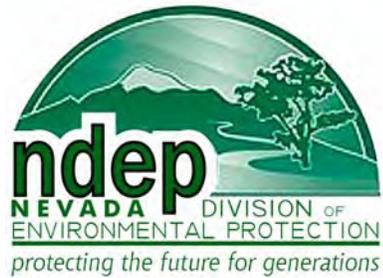


**2009 Groundwater Monitoring Report
BMI Common Areas (Eastside)
Clark County, Nevada**

May 12, 2010

Submitted to:



Prepared for:



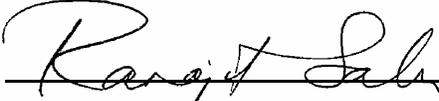
Daniel B. Stephens & Associates, Inc.

260 Newport Center Dr., Suite 100, Newport Beach, California 92660

Responsible CEM for this Project

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and, to the best of my knowledge, comply with all applicable federal, state, and local statutes, regulations, and ordinances.


_____ May 12, 2010
Stephen J. Cullen, Ph.D., C.E.M. (No. 1839)
Daniel B. Stephens & Associates, Inc.


_____ May 12, 2010
Dr. Ranajit Sahu, C.E.M. (No. EM-1699)
BRC Project Manager

Individuals Who Provided Technical Input to this Document

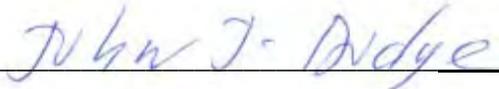

_____ May 12, 2010
John J. Dodge, P.G.
Daniel B. Stephens & Associates, Inc.



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1. Introduction

This report prepared by Daniel B. Stephens & Associates, Inc. (DBS&A) presents the field methods and results of the 2009 groundwater monitoring event conducted for Basic Remediation Company (BRC) at the BMI Eastside Common Areas in Henderson, Nevada. BRC's groundwater monitoring program has evolved since the first sampling event was conducted in 2004 (Appendix A). A work plan for groundwater sampling, dated April 28, 2009, was prepared to present the program for the 2009 event. Comments to the work plan received from the Nevada Division of Environmental Protection (NDEP), dated April 30, 2009, were addressed in the revised work plan (BRC, 2009) dated June 26, 2009 (Appendix B).

This revised report addresses comments received from the NDEP, dated March 25, 2010, to the 2009 event monitoring report dated February 25, 2010 (Appendix B).

1.1 Project History

The BMI Eastside Common Areas (the "Site") is located on approximately 2,320 acres of land in Clark County, Nevada, approximately 13 miles southeast of Las Vegas, Nevada (Figure 1). The Site consists of former used and unused wastewater effluent ponds (now removed), into which various wastewaters from the BMI Industrial Complex were discharged from the early 1940s through 1976, and portions of the system of former conveyance ditches that were used to transport those wastewaters to the effluent ponds. The Eastside also formerly included municipal rapid infiltration basins (RIBs) and lined ponds in the southwestern portion of the Upper Ponds that were constructed over the original ponds (also known as the TIMET ponds or the Pabco Road ponds).

In addition to the former effluent ponds and conveyance ditch segments, the Eastside includes adjoining lands northeast of Boulder Highway, northwest of Lake Mead Boulevard, and south of Las Vegas Wash. With the exception of a short segment that traverses Parcel 9 South, former conveyance ditch segments to the west of Boulder Highway are not part of the Eastside Site.



The transport and disposal of industrial and sewage effluent is understood to be the primary source of chemicals in the former ponds and ditch areas. No industrial or manufacturing activities have taken place on the Eastside. In addition to the on-site sources of chemicals, potential off-site sources have also been identified. Elevated concentrations of perchlorate, arsenic, and hexavalent chromium in groundwater have been well documented in groundwater samples collected from upgradient and off-site wells located west and southwest of the Site, indicating that contaminants are currently flowing beneath a portion of the Eastside.

Potential off-site sources include nearby facilities such as the City of Henderson (COH) Water Reclamation Facility/Bird Preserve, the facilities currently operating within the BMI Industrial Complex (e.g., Tronox LLC [formerly Kerr-McGee Chemical, LLC], Titanium Metals Corporation [TIMET], Olin Chlor Alkali [formerly known as Pioneer Americas LLC, which includes former Stauffer and Montrose sites], two former COH RIBs, and the inactive facility owned by American Pacific Corporation [AMPAC, former PEPCON plant] located west of the BMI Complex).

Since 2004 BRC has conducted several investigations at the Site to evaluate geologic and hydrogeologic conditions and groundwater quality. After a comprehensive program of drilling, soil sampling, geophysical surveying, well installation, and groundwater sampling was completed in 2004, groundwater monitoring has been conducted and reported over five additional events or “rounds:”

- The first round was conducted between April and June 2006 (MWH, 2006b).
- The second round was conducted between July and August 2006 (MWH, 2006c).
- The third round was conducted between October and November 2006 (MWH, 2007a).
- The fourth round was conducted between January and March 2007 (MWH, 2007b).
- The fifth round was conducted between April and July 2008 (MWH, 2008).

This report summarizes the field sampling and analytical results of the 2009 sampling event completed between August and October 2009.



1.2 Geology and Hydrogeology

The depositional environment of the various strata encountered beneath the Site has been characterized through drilling and sampling of numerous borings installed during previous investigations. The Site is located on alluvial fan sediments, with a surface that slopes to the north-northeast, toward Las Vegas Wash, at a topographic gradient of approximately 0.02. The uppermost two geologic formations encountered at the Site are the focus of this report:

- The uppermost unit is composed of relatively coarse-grained Quaternary alluvial sediments.
- These alluvial sediments are underlain by lacustrine sediments known as the Tertiary Muddy Creek Formation (TMCf). For the most part, the lacustrine TMCf is comprised of silts and clays, although a coarser facies was noted in the southwest portion of the site (Section 1.2.2).

1.2.1 Quaternary Alluvium

The uppermost strata beneath the Site consist primarily of alluvial sands and gravels of Quaternary age (Carlsen et al., 1991) and are mapped and referred to as Quaternary alluvium (Qal). The alluvial fan deposits are composed of volcanic materials that were shed from various nearby mountains and then coalesced in the Las Vegas Valley. The Qal is typically on the order of 50 feet thick at the Site, with a maximum thickness of 65 feet noted to the southwest of the Southern RIBs. The variations in the thickness of the Qal are, in part, a result of the non-uniform contact between the Qal and the underlying TMCf. The Qal is not present in localized areas of the northernmost portion of the Site, where it was removed as a result of previous gravel mining. Areas where excavation has occurred previously (such as Tuscany Village or the Weston Hills development) have since been backfilled to allow for residential development.

Whereas the original surface of the Qal prior to development was a nominally planar surface that, as a whole, dipped gently to the north, the contact between the Qal and the underlying TMCf is not a planar surface. The unconformity between these two geologic units is a result of



erosion of the TMCf prior to the deposition of the alluvial sediments that comprise the Qal. As the TMCf was eroded, broad channels were incised into its surface and were subsequently filled with the alluvium, resulting in the development of several paleochannels of varying depths and width. BRC et al. (2006) have interpreted that two paleochannels originating to the east and west of the Southern RIBs join at the southern end of the former location of the historical spray wheel to form one paleochannel that runs north beneath the Northern RIBs and then northeast to Las Vegas Wash.

As indicated by borelog data, the structural surface of the TMCf also exhibits a topographic gradient to the north-northeast. However, the TMCf topography does not appear to be so deeply incised that the flow of groundwater is controlled by paleochannel features at all groundwater elevations. The flow of groundwater may be controlled by paleochannels to a greater degree at low groundwater elevations than under high groundwater elevations.

1.2.2 Tertiary Muddy Creek Formation

The TMCf underlies much of the Las Vegas Valley and is more than 2,000 feet thick in places. At the Site, this unit is encountered beneath the Qal, where an unconformity separates the two geologic units. The depth to the top of the TMCf ranges from approximately 27 feet below ground surface (ft bgs) at well MCF-11 to approximately 65 ft bgs southwest of the Southern RIBs. At the Site, the TMCf was encountered to the maximum explored depth of 430 ft bgs. The TMCf is typically fine-grained (sandy silt and clayey silt), although thin layers (interbeds or “stringers”) with increased sand content are encountered sporadically.

A coarser-grained facies of the TMCf occurs off-site and in the southwest portion of the study area (at well MCF-27, for example). The proportion of coarser-grained sediments in the upper portion of the TMCf decreases to the north beneath the Site. This more permeable TMCf facies is interpreted as being caused by an influx of slightly coarser alluvial deposits into the older lacustrine depositional environment. One possible ramification of the presence of these coarser TMCf sediments near the southwestern border of the Site is that they may serve as a potential pathway for chemicals to migrate into the TMCf.



1.2.3 Water-Bearing Zones

A January 2009 NDEP-produced document entitled *Hydrogeologic and Lithologic Nomenclature Unification* defines NDEP's rationale behind the definitions of three water-bearing zones at the Site and at adjacent properties: the Shallow, Middle, and Deep Zones (NDEP, 2009a):

- The uppermost water-bearing zone (referred to as the Shallow Zone) is unconfined and present primarily in the Qal, although at some locations on the Site, Shallow Zone groundwater is first encountered in the uppermost portion of the TMCf (referred to as the Upper Muddy Creek Formation [UMCf]). This unconfined Shallow Zone groundwater generally flows in a northerly direction toward Las Vegas Wash. The Shallow Zone groundwater is generally continuous across the Site, but there are areas where Shallow Zone wells are dry. The Shallow Zone is designated to be between the surface and approximately 90 ft bgs (NDEP, 2009a). To distinguish between unconfined groundwater occurring in the two lithologies, the Shallow Zone is further divided into Layer 1 (Qal only) and Layer 2 (TMCf only).
- Below the Shallow Zone, deeper groundwater occurs in sporadically encountered lenses in the Middle Zone, designated by NDEP to be between approximately 90 and 270 ft bgs.
- Deep Zone groundwater is generally continuous across the Site and is characterized with wells screened below 270 ft bgs to a maximum nominal depth of 400 feet bgs. Groundwater elevation data from the last several rounds of groundwater monitoring (2006, 2007, 2008, 2009) show that Deep Zone groundwater is confined and the potentiometric surface of Deep Zone groundwater is oriented generally north toward Las Vegas Wash (MWH, 2008).

1.2.4 Vertical Gradients

Vertical gradients, as measured in the five recent Eastside monitoring events, have been generally upward (DBS&A, 2009), consistent with the position of the Site at the relatively distal



end of two coalescing alluvial deposits from the River Mountains and McCullough Range. In general, high-energy alluvial sediments are deposited near their source, resulting in a geologic profile dominated by coarser-textured soils that are conducive to downward recharge of precipitation and mountain runoff. At more distal locations, it is common to encounter lower-energy alluvial sediments that result in a geologic profile dominated by finer-textured soils. The distal portions of alluvial deposits often comprise pressure zones where confining or semiconfining zones exist. Water in these zones is often laterally recharged at depth, resulting in pressure buildup that is sustained by the head of water created in the upslope vertical recharge zones.

As discussed in by DBS&A (2009), downward gradients exist in some isolated locations. For example:

- The 2009 monitoring event elevation data (MWH, 2008) indicate a small downward gradient (0.011) between the Shallow Zone and the Middle Zone at Location 12; the gradient between the Shallow Zone and Deep Zone at Location 12 is upward (0.060).
- A downward gradient was also calculated between the Middle Zone and the Deep Zone at Location 28 (0.217); well elevation data for the Shallow Zone at this location were not available to make a comparison.
- A slight downward gradient (0.007) was also calculated between the Shallow Zone and the Deep Zone at Location 7; the direction of gradient has alternated between up and down at this location in previous monitoring events.
- Historically, downward vertical gradients have been measured at Location 6 (groundwater elevation was not measured in 2009; previous 2007 vertical gradient was 0.043).



1.2.5 Zone Connectivity

As discussed by DBS&A (2009), evaluation of existing analytical and isotopic data indicates that only limited or incidental connectivity exists between the three water-bearing zones at the Site, and the Shallow Zone and the Deep Zone are believed to be largely isolated from one another at the Site. However, there could be limited and incidental connection between the Shallow Zone and the Deep Zone via the Middle Zone. The large depth interval and generally low permeability of the Middle Zone together serve to greatly modulate and buffer hydraulic variation and chemical transport between the Shallow and the Deep Zones. Though it is possible that greater connectivity between water-bearing zones exists upgradient of the Site, limited data exist upon which to base an evaluation.

1.3 Purpose and Scope

The 2009 groundwater monitoring event was performed to collect groundwater data to further characterize Site geochemistry and hydrogeology. Sampling was also completed to provide additional data to improve the understanding of the Site-wide conceptual site model (CSM), to evaluate groundwater conditions to ensure that public health and the environment are protected, and to establish baseline conditions in areas where these conditions have not been established. The following activities were performed during the groundwater monitoring event:

- Inspected wellheads, including surface completion and well security
- Measured depth to groundwater in wells relative to top of casing (TOC)
- Measured total depth of well relative to TOC in wells without dedicated pumps in place
- Collected photoionization detector (PID) readings at wellheads
- Collected groundwater samples for laboratory chemical analysis using both micro-purge and net-purge sampling techniques
- Evaluated hydrogeology and chemical analytical results for water quality
- Evaluated data for trends based on previous data and project-specific screening levels



2. Groundwater Monitoring Program

Groundwater monitoring and sampling procedures were performed as specified in the *Revised Periodic Groundwater Monitoring Plan for Groundwater Sampling and Analysis – BMI Common Areas (Eastside), Henderson, Nevada* (MWH, 2006a), *BMI Common Areas (Eastside) Fifth Round Groundwater Monitoring Work Plan, BMI Complex, Henderson, Nevada (Revision 0)* (BRC, 2008) and associated NDEP letter dated March 21, 2008, associated revised Site-specific *Field Sampling and Standard Operating Procedures (FSSOPs)* (BRC et al., 2007), and revised BRC *Quality Assurance Project Plan (QAPP)* (BRC and ERM, 2008). Additionally, with the approval of the NDEP transmittal dated March 31, 2006, BRC modified the groundwater sampling procedures to include the micro-purge and sampling methodology for the program. The 2009 event also followed the procedures outlined in the *Technical Memorandum – Work Plan for Groundwater Sampling, BMI Common Areas (Eastside) Site, Clark County, Nevada (rev 2)* dated June 26, 2009 (BRC, 2009) and associated NDEP comments dated June 29, 2009.

Chemicals known or suspected to be associated with historical operations and potential impacted groundwater in the vicinity of the Site, referred to as site-related chemicals (SRCs), are presented in Table 1. The current groundwater monitoring analytical program implemented during the 2009 sampling event, including analytical laboratories, analytical methods, sample containers, preservation, and holding times, is summarized in Table 2. Wells used for water level measurements only are presented in Table 3.

Prior to implementing the second round of 2009 sampling, BRC requested and NDEP approved a reduction in the required analyses. These changes include discontinuing analyses of groundwater samples for polynuclear aromatic hydrocarbons (PAH) by U.S. Environmental Protection Agency (EPA) method SW8310, polychlorinated biphenyls (PCB) by EPA method SW8082, herbicides by EPA method SW8151A, dioxin and furans by EPA method SW8290, cyanide by EPA method 9010, sulfite by EPA method 377.1, sulfide by EPA method 376.1/376.2, total petroleum hydrocarbons (TPH) by EPA method SW8015B, and methyl mercury by EPA method 1630. These analyses have been excluded from the current sampling program as listed in Table 2 and Appendix A.



Prior to implementing the fourth round monitoring event (2007), BRC requested and NDEP approved an additional reduction in the required analyses. These changes include discontinuing analyses of groundwater samples for glycols and alcohols by EPA method SW8015B and flashpoint by EPA method 1010. These analyses have been excluded from the current sampling program listed in Table 2 and Appendix A.

Prior to implementing the fifth round monitoring event (2008), BRC requested and NDEP approved additional reduction in required groundwater analyses for individual wells in which concentrations have been consistently below detection limits for the following analyses: aldehydes by EPA method 8315A, organic acids by HPLC, organochlorine pesticides (OCPs) by EPA method 8081A, and semivolatile organic compounds (SVOCs) by EPA method 8270C. Analyses for dichlorobenzil by EPA method 8270C, organophosphate pesticides (OPPs) by EPA method 8141A, and dissolved gases by RSK 175 were also removed from the program. The changes to the analytical program are presented in Appendix A.

For the 2009 sampling event, groundwater samples were analyzed for:

- Volatile organic compounds (VOCs)
- Organochlorine pesticides (OCPs)
- Total metals
- Anions
- General chemistry and water quality parameters (including perchlorate and total dissolved solids [TDS])
- Radionuclides
- Stable isotopes

Cation-anion balance (CAB) calculations completed with prior monitoring event data exceed the acceptable criteria detailed in NDEP guidance (NDEP, 2009c) and Section 1030 E of the *Standard Methods for the Examination of Water and Wastewater* (APHA, 1999). As discussed in the 2009 Work Plan (BRC, 2009), a selected set of wells were to be filtered in the field for



anions and metals for dissolved analyses to help evaluate CAB calculations. The filtered data set would supplement the unfiltered total analyses that will also be conducted for samples from each well. It was suspected that field-filtering may help achieve a better CAB. During field sampling, however, BRC elected to field-filter groundwater samples from all wells sampled in the 2009 event (in addition to collecting unfiltered samples) so that a complete filtered and unfiltered dataset for anions and metals would be collected for analysis and evaluation.

In addition, alkalinity was measured in the field to help determine if this parameter is a CAB factor. Further, a set of well samples were collected and packaged separately for metals and anion analyses (both total and dissolved). The samples were isolated from other Site samples (separate coolers, separate chain-of-custody forms, separate delivery) so that distinct laboratory reports for each group would be generated and available for detailed review if needed.

2.1 Well Inspection and Measurements

Well construction data are included in Table 4. Every monitoring well scheduled for water level measurement or sampling was inspected for deficiencies and problems. An inspection log was completed, noting all deficiencies and problems (Table 5). The following general information was documented during the inspections:

- Date and well identification
- Condition of security posts, well pad, security casing, and dedicated sampling components, if applicable
- Condition of gasket, lock, well casing, wellhead, and flange bolt tightness
- Straightness of the wellhead.

In addition to the routine well inspection, total depth was measured in each well that has no dedicated pump to determine if formation material surrounding the well has migrated into and accumulated inside the well casing. Wells that contained an accumulation of material exceeding 20 percent of the screened interval were noted and will be considered for redevelopment. During the fifth round event, excessive sedimentation was measured at the



bottom of one well (PC-24) used for chemical analyses. PC-24 had a measured total well depth variance of -3.71 feet or approximately 24.7 percent of the screen interval filled with sediment. This well is owned by Tronox. Well PC-24 was sampled in the 2009 event.

Several wells were not sampled during the 2009 event:

- During the 2009 well inspection and measurement activities, the following wells could not be located: AA-24, HMWWT-8, DM-9, PC-12, PC-84, PC-106, PC-107, and PZ-13. AA-24 and DM-9 may be buried by recent construction activities and PC-12 may be paved over.
- Well PC-40 was inaccessible during sampling as the lock has been changed since the Fourth Round event.
- Well PC-89 appeared caved in and no casing or cover was evident.
- Similarly, the cover of well PC-95 has been crushed into the well casing and could not be removed for sampling. The wells casing at COH-1A also appeared to have caved in.
- The following wells were dry during 2009 well inspection and measurement activities: AA-19, DBMW-6, DM-4, DM-5, DM-7B, DM-8, HMWWT-4, and PC-1.
- Two wells were artesian during the 2009 event: MCF-10A and MCF-17A.

2.2 Water Level Measurements

Water level measurements provide a measure of water potential (hydraulic head) at specific geographic locations and depths beneath the Site. The primary purpose for measuring water levels in monitoring wells is to determine horizontal and vertical groundwater flow directions and gradients. These measurements, when converted to elevations relative to mean sea level and posted on a map, can be contoured to prepare potentiometric surface maps and used to determine where and at what rate groundwater is moving.



Horizontal gradients are calculated as the difference in groundwater elevations between wells screened in the same monitoring zone divided by the horizontal distance between the wells. The horizontal gradients indicate the direction of groundwater flow, from higher to lower elevations.

During the 2009 event water levels were measured in all available wells across the Site and adjacent areas, as shown in Figure 2, to provide data for a “snapshot” of water levels, gradients, and flow directions. All of the water level measurements were conducted between August 3 and 7, 2009) except for well MCF-06A-R (originally inaccessible due to Site construction), which was measured on August 21, 2009.

All groundwater level measurements were performed to coincide with the similar measurements being conducted by other BMI Complex companies, whenever possible. Measurements within geographic areas were collected in the shortest possible time, so that local hydraulic gradients in each zone and between zones can be assumed to have been made under comparable conditions.

A total of 173 wells were proposed for groundwater measurements. Of these wells, 63 are screened solely in the Qal, 29 are screened in the Qal with some portion of the screen in the UMCf, and 73 are screened solely in the UMCf (specific screen information for 8 shallow wells [HMW-16, MW-13, MW-15, POU3, PZ-13, W02, WMW5.58SD and WMW5.58SI] is not available).

In accordance with NDEP guidance (2009), the wells are also classified by water-bearing zone: 127 wells are in the Shallow Zone, 19 wells are in the Middle Zone, and 27 wells are in the Deep Zone. Some wells may be better classified in a different zone, and some may have characteristics of more than one zone. These issues, as they impact the accuracy of site characterization and potential remedial decision-making, will be further evaluated as the Eastside CSM is further developed. (Note: If a Qal well is screened less than 1 foot into the UMCf, the well is considered solely a Qal well for classification purposes).



The 2009 groundwater potentiometric surface data for the Shallow, Middle, and Deep Zone wells are presented in Figures 3, 4, and 5, respectively. Water levels were measured in accordance with procedures described in the project-specific FSSOP 5 (Water Sampling and Field Measurements). Where available, contemporaneous Shallow Zone data from upgradient well locations are also presented (no Middle or Deep Zone data were available for the upgradient locations).

2.3 Sample Collection

BRC used the NDEP-approved low-flow purge and sampling technique when feasible during field sampling. BRC sampling guidance (FSSOP 5) specifies a maximum allowable drawdown in a well while using approved low-flow purge techniques. If drawdown exceeds the maximum allowed, a “net-purge” procedure approved by the U.S. EPA is used instead. During purging, water levels should be monitored to ensure that drawdown does not exceed 0.1 meter (0.3 foot). If the water level drop exceeds this, the flow rate should be decreased until the water level stabilizes. If water levels in low yield wells do not stabilize at flow rates near 0.1 liters per minute (L/min), the well should be purged to dryness once and then sampled (U.S. EPA, 1986). Samples should be collected when the well has recovered to 80 percent of its original capacity or at 24 hours from being purged to dryness, whichever comes first. At no time should the well be pumped to dryness if the recharge rate causes the formation water to vigorously cascade down the sides of the screen. In this case, samples should be collected at a rate slow enough to maintain the water level at or above the top of the screen to prevent cascading.

BRC-owned wells are equipped with QED Well Wizard (A-system and L-system) dedicated bladder pumps for monitoring and sampling where possible. QED MP10H high pressure micro-purge controllers are used during sampling. The Well Wizard A-system is installed in AA wells (or shallow MCF wells) due to their relative shallow well design (less than 100 feet deep). The L-system pumps are used in many of the MCF wells due to the depth of the wells. The L-system uses a drop-tube that attaches to the base of the pump and extends down to a specified intake depth within the well screen interval. This allows the pump to be located closer to the top of the well and still collect groundwater samples from across a screen interval located as deep as 400 feet below the top of the casing (ft btoc). Generally, pump (sample) intakes



were installed across the middle of the well screen intervals for saturated well screens (typically identified as MCF wells [confined aquifer]) and approximately 1 to 3 feet from the bottom of the wells for non-saturated well screens (typically identified as AA wells [unconfined aquifer]).

BRC and non-BRC-owned wells without dedicated pumps are monitored and sampled using a QED brand SamplePro portable bladder pump system. QED MP10H high pressure micro-purge controllers are used during sampling. The portable pump (sample) intakes are generally placed in the middle of the saturated well screen interval for groundwater monitoring and sampling collection. Well purging and sampling summary data are presented in Table 6.

Standard sampling and documentation procedures presented in the groundwater monitoring program (Table 2) and the BRC FSSOPs were developed for field water level measurements, monitoring well sampling, well maintenance, general field operations, and instrument calibration. Adherence to these procedures promotes consistency in field procedures and ensures comparability of data collected over time.

Field quality control (QC) measures implemented during groundwater sampling are detailed in the BRC QAPP and FSSOPs. Specific wells or locations where QC samples were collected were identified at the beginning of the event by BRC and its field consultant. The required QC sample frequencies and field QC measures include but are not limited to:

- Collection of 10 percent field duplicates, 5 percent equipment blanks, and 10 percent matrix spike/matrix spike duplicate (MS/MSD) samples
- Providing accurate, detailed field documentation
- Proper sample packaging and shipment under chain of custody procedures

2.4 Decontamination Procedures

Decontamination all non-dedicated, non-disposable equipment was performed to minimize the potential for cross contamination between wells or investigation and sampling locations. BRC FSSOPs were followed to ensure proper decontamination of sampling equipment.



Decontamination equipment was prepared at each well location for cleaning sampling equipment. Supplies included 5-gallon buckets, bottle brushes, potable water, distilled water, and non-phosphate cleaning solution (Liquinox or Alconox). Prior to and after use at each location, all groundwater sampling equipment was washed in the non-phosphate solution, rinsed with potable water, and then rinsed twice with distilled water. Submersible pumps and downhole equipment at each location were also cleaned in the same manner prior to and after use.

Decontamination water was transferred into secured and properly labeled Department of Transportation-approved 55-gallon steel drums located on-site at a centralized staging area for short-term storage before proper disposal.

2.5 Analytical Program

Analytical procedures for the fifth round sampling event were implemented according to the BRC QAPP. Analytical specifications include methods, target analytes, detection and quantitation limits, calibration and calibration verification, and QC procedures and specifications. These specifications also require that analyses be performed according to the method-specific SOPs, which have also been revised to be site-specific stand-alone documents.

The current list of chemicals known to be associated with historical area operations, or site-related chemicals (SRCs), is presented in the revised 2008 BRC QAPP and provided herein as Table 1. This table also includes the groundwater sampling parameters of interest, analytical methods, and specific compounds. The 2009 groundwater monitoring analytical program is presented in Table 2. Additional details about the analytical program are provided in the 2009 Work Plan (BRC, 2009), and in NDEP comments dated April 30, 2009, June 23, 2009, and June 29, 2009 (Appendix B).

Analytical methods used during the program were selected to provide data to evaluate impacts to groundwater and surface water quality and were based on data requirements for investigating Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) sites and



for conducting human health and ecological risk assessment. The analytical methods used are primarily referenced U.S. EPA-approved testing procedures.

Table 2 summarizes the analytical laboratories, methods, containers, preservation, and holding times used during the sampling event for the collection and analysis of groundwater samples. Analytical laboratories performing analyses for the Site have Nevada State certification for the methods performed. Samples were packaged and shipped with proper chain-of-custody documentation to the analytical laboratories as described in the BRC FSSOPs and QAPP.

2.6 Groundwater Analyses

Groundwater samples from 127 monitoring wells were analyzed in the 2009 event for a broad spectrum of chemical analytes and chemical classes based on previous detections, as presented in Table 2. As noted in Section 2, groundwater samples collected during the 2009 event were analyzed for VOCs, OCPs, total metals, anions, general chemistry and water quality parameters (including perchlorate and TDS), radionuclides, and stable isotopes. Analytical results are discussed in Section 3.2.

Because a subset of the past groundwater sample analyses resulted in some relatively high detection limits, perchlorate was analyzed in the 2009 event using EPA method LC/MS SW846 6850 to achieve lower detection limits. Similarly, arsenic was analyzed using ICP/MS (collision cell), and hexavalent chromium was analyzed using EPA method 7196A to achieve reduced detection limits.

2.7 Analytical Laboratories

Several laboratories were used during the 2009 event (Table 2). TestAmerica Laboratories (TA), located in Earth City, Missouri (TA-St. Louis), was the primary laboratory used for the majority of the chemical analyses. TA-St. Louis was not equipped to perform some of the selected chemical analyses and therefore enlisted other TA facilities to conduct those analyses, including TA-Irvine (California) for the anion analyses.



Advanced Tech Laboratories, located in Las Vegas, Nevada, was subcontracted to analyze for hexavalent chromium in groundwater samples. General Engineering Laboratories, located in Charleston, South Carolina, performed the radionuclide analyses, and Isotech Laboratories, Inc. (Champaign, Illinois) performed the isotope analyses. Lancaster Laboratories analyzed the samples for arsenic and chromium.

All of the laboratories are certified by the State of Nevada with the exception of Isotech Laboratories, Inc., which performed the isotope analyses. BRC could not locate a Nevada-certified laboratory that could perform the isotope analyses.

2.8 Quality Assurance/Quality Control

Measurement data for the Eastside groundwater monitoring program are consistently assessed and documented to determine whether objectives were met. The review assesses data quality and identifies potential limitations on data use, thereby providing information on overall method performance and data usability. Section A7 of the BRC QAPP defines the basis for assessing the elements of data quality. Laboratory data and data quality review reporting procedures and formats are also addressed in Section A7 of the BRC QAPP.

Quality assurance (QA) activities include performing technical system audits, performance audits, and data validation at the frequency recommended in the BRC QAPP. Field audits are not required, but may be performed in the event that significant discrepancies are identified that warrant evaluation of field practices. No field audits were performed during the 2009 event.

Various types of QC samples were collected to aid in evaluating the analytical data quality:

- Field duplicate groundwater samples were collected at a rate of 10 percent, or 1 duplicate sample for every 10 groundwater samples.
- Trip blanks were prepared by the laboratory and were included in each shipment containing groundwater samples for analysis of VOCs.



- Equipment decontamination blanks were collected (using non-dedicated or non-disposable equipment) at a rate of 5 percent of all groundwater samples collected, or 1 blank for every 20 groundwater samples collected, and were analyzed for all applicable target analytes.
- Additional sample volume was collected for 1 of every 10 groundwater samples in order to conduct laboratory MS/MSD analyses.

2.9 Data Review and Validation

The guidance for data review and validation is provided in U.S. EPA National Functional Guidelines for data review of organic and inorganic constituents (U.S. EPA, 1999, 2001, 2004 and 2005) and *U.S. EPA Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846), Third Edition* (U.S. EPA, 2008). These guidance manuals provided direction for the data review and validation activities conducted for data collected during this event.

Additionally, the NDEP guidance letters dated May 3, 2006 and February 23, 2007 (Data Validation Summary Report [DVSR]), and the *American Public Health Association (APHA) 1999 Twentieth Edition of Standard Methods for the Examination of Water and Wastewater* (Standard Methods) were also referenced. The Standard Methods were used for CAB evaluation along with the NDEP CAB guidance dated September 28, 2009 (NDEP, 2009c).

All of the data were subjected to a Level 3 review, which consists of a manual review of all parameters related to sample analysis, including holding times, instrument performance check (as applicable), initial calibration, continuing calibration, blank contamination, laboratory control sample (LCS), MS/MSD, surrogates and internal standards (as applicable), and compound identification. In addition to the Level 3 review, 20 percent of all data collected during the course of the investigation were subject to full Level 4 data validation, which consists of review of all parameters included in the Level 3 review with additional review of the raw data including chromatograms, log books, quantitation reports, and spectra. Laboratory Data Consultants, Inc. (LDC) was subcontracted to conduct all the data validation. A DVSR for all data collected



during this event (DVSR #58) was submitted separately to the NDEP as a stand-alone report (BRC and ERM, 2010) and was approved by NDEP on January 16, 2010.

Data for Deep Zone well MCF-07A were rejected for the 2009 event. The initially reported 2009 perchlorate concentration in well MCF-07A (93 J+ [see Table 7 for explanations of data qualifiers] micrograms per liter [$\mu\text{g/L}$]) was recognized to be the highest reported for this well. Although detection limits were relatively high in some past analyses (up to 67.8 $\mu\text{g/L}$), perchlorate had not been reported in well MCF-07A before the 2009 event. Consequently, a review of field sampling procedures was conducted and identified several issues that demonstrated that field sampling was not conducted according to BRC SOPs (DBS&A, 2010b). Issues out of compliance include purging method, rate, and parameter stability, elapsed sampling time after purging, drawdown during purging, and well sampling sequence (sampling impacted wells before unimpacted wells).

The field methods review and data rejection are discussed in detail in a DBS&A memorandum to BRC dated January 13, 2010 (DBS&A, 2010b). BRC has agreed to resample this well and the field activity is currently underway.



3. Groundwater Monitoring Data

This section summarizes general groundwater conditions and analytical results for the 2009 event. Measured groundwater elevations at the Site are summarized in Table 8. Potentiometric surface maps from two identified water-bearing zones (Shallow and Deep) are presented as Figures 3 and 5, respectively. Groundwater elevation data are presented for Middle Zone wells in Figure 4; these data were not contoured because current data suggest that the Middle Zone is discontinuous.

Overall groundwater analytical summary results for the 2009 event are presented in Table 9; summary results by water-bearing zone (Shallow, Middle, Deep) are presented in Tables 10, 11, and 12, respectively. Groundwater analytical summary results by chemical class for all events are presented in Appendix C. The isotope analyses results collected from selected Deep Zone wells are presented in Table 13. Concentration figures (contour maps) for analytes of interest for the 2009 event are presented in Figures 6 through 44.

3.1 Groundwater Conditions

Groundwater level measurements were attempted at 173 wells and successfully collected from 140 wells across the Site (Table 8). The remaining 33 wells could not be monitored due to the field conditions discussed in Section 2.1.

Depth to groundwater measurements ranged from artesian conditions at wells MCF-10A and MCF-17A to a maximum measured depth to groundwater of 109.30 ft btoc in well MCF-06A-R. The highest groundwater elevation was 1781.50 feet above mean sea level (ft msl) in well MCF-02A, screened within the Deep Zone and located in the southernmost portion of the Site. The lowest measured groundwater elevation was 1405.53 ft msl in well W02, screened in the Shallow Zone and located just west of the COH Landfill. Well hydrographs are presented in Appendix D.

In the monitoring report for the fourth round of sampling (MWH, 2007b), well MW-15 was mislabeled as MW-08 based on mislabeling on the well itself and the current well information at



that time. Based on new information provided by COH Landfill personnel during the fifth round of monitoring, BRC has changed the identification of well MW-08 to MW-15.

The yield of the Deep Zone UMCf wells is low, although Deep Zone groundwater is confined and water levels commonly rise several hundred feet above the screen interval. For example, the depth to water in well MCF-18A was 26.30 ft btoc in 2009 and two Deep Zone wells were artesian during the 2009 event (MCF-10A and MCF-17A). The relatively large increases in groundwater elevation measured in the Deep Zone wells between 2008 and 2009 is likely due to the stabilization of Deep Zone groundwater in the area of these wells after the hydraulic stress of drilling, well installation, and well development in 2008 had dissipated. Smaller changes in Deep Zone head can be attributable to barometric pressure changes.

The potentiometric surface of Shallow Zone and Deep Zone groundwater is depicted as Figures 3 and 5. Middle Zone groundwater elevations are posted on Figure 4. Shallow Zone groundwater flow is oriented generally to the northwest at an average gradient of 0.02 foot per foot (ft/ft). Deep Zone groundwater flow is also oriented generally to the northeast with an average gradient of 0.02 ft/ft. The potentiometric surface and flow direction for both the Shallow Zone and the Deep Zone are broadly consistent with data from prior monitoring events.

3.2 Analytical Results and Summary of Findings

This section presents groundwater analytical results for the 2009 event. Data validation qualifiers and reason codes are presented in Table 7. Statistical summaries of the 2009 analytical results are presented in Tables 9 through 12. Results by chemical class (for all events) are presented in Appendix C. The results of isotope sampling (2008 and 2009) are presented in Table 13.

The 2009 data were evaluated by number and frequency of detections, maximum and minimum concentrations, and number of detections exceeding U.S. EPA maximum contaminant levels (MCLs) or NDEP basic comparison levels (BCLs). Based on detection frequency and detected concentrations over MCLs or BCLs, the following analytes of interest (AOIs) from the various chemical classes were selected for further evaluation:



- Tetrachloroethylene (PCE)
- Total trihalomethanes (TTHMs)
- Carbon tetrachloride
- Alpha BHC and beta BHC
- Arsenic
- Hexavalent chromium
- Magnesium
- Radium-226+228
- Perchlorate
- Total dissolved solids (TDS)

Concentration trend graphs for AOIs are presented in Appendix E. Consistent with prior BRC monitoring reports, the ten wells in the 2009 dataset with the highest detected concentrations for each parameter are plotted in the Appendix E graphs. Data from the 2009 event were screened against MCLs and BCLs as a preliminary analysis, and the screening results are discussed in Sections 3.2.1 through 3.2.11.

3.2.1 Volatile Organic Compounds

Of the 33 VOCs detected in Shallow Zone wells, 17 have a detection frequency of 5 percent or more. Of these VOCs with a detection frequency of at least 5 percent, only 2 exceed an MCL: carbon tetrachloride and PCE. Only two VOCs with a detection frequency of at least 5 percent in Shallow Zone wells exceed NDEP BCLs: PCE and carbon tetrachloride, each of which has 6 detections over BCLs (the MCL and the BCL for carbon tetrachloride and PCE are both 5 µg/L):

- PCE was detected over its MCL/BCL of 5 µg/L in Shallow Zone wells AA-01, AA-UW1, MCF-01B, MW-15, PC-67, and POU3 (Figure 6). The maximum Shallow Zone PCE detections are 73 J µg/L in well AA-01 and 53 J µg/L in well AA-UW1.



- Carbon tetrachloride was detected over its MCL/BCL of 5 $\mu\text{g/L}$ in Shallow Zone wells BEC-6, DBMW-11, DBMW-7, DBMW-8, PC-67, and POU3 (Figure 9). The maximum Shallow Zone carbon tetrachloride detection is 25 $\mu\text{g/L}$ in well POU3.

In addition to the VOCs cited above, TTHMs (sum of detected chloroform, bromodichloromethane, dibromochloromethane, and bromoform) were detected over the associated MCL of 80 $\mu\text{g/L}$ in 21 Shallow Zone wells sampled in 2009, including wells installed along the northeastern Site boundary, in the former ponds area, and north of the plants area (Figure 13 and 14).

Detected PCE, carbon tetrachloride, and TTHM concentrations in Shallow Zone wells are plotted and contoured to show the distribution of these analytes in Site groundwater (Figures 6, 9, 10, 13, and 14). Middle Zone data (Figures 7, 11, and 15), and Deep Zone data (Figure 8, 12, and 16) for these analytes are posted without contours. Concentration trend graphs for these parameters (wells with the 10 highest detections in 2009) are included in Appendix E.

The carbon tetrachloride and TTHM data are further divided into Shallow Zone Layer 1 (Qal-only wells) and Shallow Zone Layer 2 (TMCf-only wells). In addition, available data for the plants area and AMPAC are included to further illustrate the regional trend in carbon tetrachloride and TTHM data.

As shown in Figure 6, the maximum detected PCE concentrations (up to 73 $\mu\text{g/L}$) in the Site area are located along the upgradient Eastside property boundary at Shallow Zone wells AA-01, MCF-01B, and AA-UW1. PCE impacts extend further downgradient to on-site well POU3 (9 $\mu\text{g/L}$) and off-site well PC-67 (13 $\mu\text{g/L}$). Lower PCE detections between 1 and 4 $\mu\text{g/L}$ extend further north-northeast to well HMW-09 (1.2 $\mu\text{g/L}$) near Las Vegas Wash. Detected PCE concentrations that exceed those cited above have been documented upgradient and off-site to the southwest of the Eastside area (Broadbent, 2010).

As shown in Figures 9 and 10, the highest detected carbon tetrachloride concentrations in Shallow Zone groundwater are broadly comparable to PCE. Like PCE, the highest carbon tetrachloride detections are near the southwest portion of the Eastside area. Carbon



tetrachloride was detected in on-site well POU3 at 25 µg/L and in off-site wells PC-67 (7.8 µg/L), PC-24 (4.6 µg/L), and PC-28 (4.3 µg/L). Relatively high carbon tetrachloride concentrations were detected at the northeast property boundary at wells DBMW-11 (10 µg/L) and DBMW-8 (9.3 µg/L), and south of the northeast property boundary in well BEC-6 (9.5 µg/L).

Between these two areas, where the former spray wheel, the Northern RIBs, and the Southern RIBs have been active, carbon tetrachloride concentrations are lower than those cited above, less than 1 µg/L. Infiltration from the RIBs may have served to reduce VOC concentrations in the central portion of Shallow Zone in this area.

Detected carbon tetrachloride concentrations that exceed those cited above have been documented upgradient and off-site to the southwest of the Eastside area (Broadbent, 2010). As shown in Figure 9, the highest carbon tetrachloride concentrations in Shallow Zone Layer 1 were detected in the plants area and in the southwestern portion of the Site. A concentration of 12 µg/L was reported in plants area Layer 1 well TMPZ-106, and 25 µg/L was detected in BRC Layer 1 well POU3. In Shallow Zone Layer 2, carbon tetrachloride was detected up to 2,900 µg/L in plants area well MC-MW-09. The highest carbon tetrachloride concentration in the BRC Layer 2 wells was 10 µg/L in well DBMW-11.

Low-concentration VOC detections below the Shallow Zone may be the result of these higher-concentration upgradient impacts migrating into Middle Zone and Deep Zone wells through coarse-grained lenses within the UMCf.

As shown in Figures 13 and 14, the highest detected TTHMs are located in the plants area southwest of the Site. The maximum reported concentration in a Shallow Zone Layer 1 well is 21,001 µg/L in well AA-MW-07, located in the plants area. The maximum reported concentration in a Shallow Zone Layer 2 well is 65,220 µg/L in well MC-MW-10, also located in the plants area. Reported values in Middle and Deep Zone wells are much lower both on-site and off-site. The distribution of TTHMs in regional Shallow Zone groundwater trends basically north and northeast with groundwater flow.



3.2.2 Organochlorine Pesticides

Of the detected OCPs, only two (alpha-BHC and beta-BHC) were detected above BCLs (these two OCPs have no MCLs). No OCP compounds were detected above MCLs. Alpha-BHC was detected above its BCL of 0.011 $\mu\text{g/L}$ in 24 of 82 Shallow Zone well analyses, with a maximum concentration (0.35 $\mu\text{g/L}$) detected in well PC-88 near the Las Vegas Wash. The maximum beta-BHC detection was 0.88 $\mu\text{g/L}$ in well AA-08, located to the west of PC-88. In the 2009 event, no OCPs were detected above MCLs or BCLs in Middle Zone or Deep Zone wells.

3.2.3 Metals

Concentrations above MCLs were detected in Shallow Zone wells for the following metals: arsenic, total chromium, hexavalent chromium, lead, selenium, and uranium. The MCLs for these compounds are the same as the BCL. Concentrations over the applicable MCL/BCL were detected in 80 of 82 analyses for arsenic, 7 analyses for total chromium, 6 analyses for hexavalent chromium, 1 analysis for lead, 10 analyses for selenium, and 29 of 82 analyses for uranium.

For metals that have no MCLs, concentrations above BCLs were detected in Shallow Zone wells for the following: iron (1 detection), lithium (65 detections), magnesium (42 detections), manganese (9 detections), molybdenum (11 detections), and strontium (1 detection).

Arsenic was detected over its MCL of 10 $\mu\text{g/L}$ in 14 Middle Zone well analyses in the 2009 event. Selenium, the only other metal detected over its MCL in Middle Zone well analyses, was detected in 3 Middle Zone well samples over its MCL of 50 $\mu\text{g/L}$.

The 2009 Deep Zone well analyses detected concentrations above BCLs for the following metals: arsenic (22 detections), boron (8 detections), lithium (17 detections), magnesium (11 detections), manganese (10 detections), molybdenum (9 detections), selenium (3 detections), and strontium (1 detection).



The detected concentrations of arsenic, hexavalent chromium, and magnesium were plotted and contoured to show the distribution of these metals in Site groundwater (Figures 17 through 25). Maps for manganese and selenium, including Shallow Zone maps split by Layer 1 and Layer 2, are also included for review (Figures 26 through 33). Concentration trend graphs for these parameters (wells with the 10 highest detections in 2009) are included in Appendix E.

3.2.3.1 Arsenic

In Shallow Zone wells sampled in 2009, the highest arsenic concentration (235 $\mu\text{g/L}$) was detected in off-site cross-gradient well PC-28. Adjacent off-site well PC-67 had the next highest detected concentration at 165 $\mu\text{g/L}$. On-site, the nine highest arsenic concentrations ranged from 102 to 161 $\mu\text{g/L}$. Arsenic concentrations over and approximating 100 $\mu\text{g/L}$ trend north-northeast from the PC-28/PC-67 area toward Las Vegas Wash. To the east at well AA-UW6, arsenic was detected at 161 $\mu\text{g/L}$ and concentrations over 100 $\mu\text{g/L}$ extend to the north of AA-UW6 to wells DBMW-14 (103 $\mu\text{g/L}$) and DBMW-15 (155 $\mu\text{g/L}$). Arsenic concentrations in the Shallow Zone are less than 100 $\mu\text{g/L}$ in the central portion of the Eastside near the former Southern RIBs and spray wheel.

As discussed by DBS&A (2010a), higher arsenic concentrations, up to 1,000 $\mu\text{g/L}$, have been detected in Shallow Zone groundwater off-site and upgradient to the southwest. In the Middle Zone, the highest arsenic concentration (100 $\mu\text{g/L}$) was detected in well MCF-12C. The highest Deep Zone arsenic concentration in 2009 was detected in well MCF-08A at 54 $\mu\text{g/L}$.

3.2.3.2 Hexavalent Chromium

The distribution of hexavalent chromium in Shallow Zone groundwater is roughly comparable to the isoconcentration maps of PCE and arsenic in the Shallow Zone. Like PCE, the highest hexavalent chromium detections in the 2009 data are located off-site to the southwest, and similarly to PCE and arsenic, hexavalent chromium concentrations were detected in an area that extends from the southwest to the north-northeast across the Site toward Las Vegas Wash. The maximum hexavalent chromium was detected in off-site upgradient well PC-28 at 1,400 $\mu\text{g/L}$. The next highest detected concentration (780 $\mu\text{g/L}$) was detected in adjacent off-site well PC-67. On-site, the highest hexavalent chromium concentration (420 $\mu\text{g/L}$) was



detected in well POU3, located southeast of PC-67. Hexavalent chromium concentrations are relatively lower immediately downgradient of the former RIBs and spray wheel areas.

In the Middle Zone, hexavalent chromium was detected only in wells MCF-02B (4.71 J $\mu\text{g/L}$) and MCF-12C (5.21 J $\mu\text{g/L}$). Both of these detections are less than the hexavalent chromium BCL of 110 $\mu\text{g/L}$. In the Deep Zone, hexavalent chromium was detected only in wells MCF-27 (34 $\mu\text{g/L}$) and MCF-03A (38 $\mu\text{g/L}$). Like VOCs, the relatively low-concentration hexavalent chromium detections below the Shallow Zone may be the result of higher-concentration upgradient impacts migrating into Middle Zone and Deep Zone wells through coarse-grained lenses within the UMCf.

3.2.3.3 Magnesium

In the Shallow Zone, the highest detected magnesium concentration (11,600,000 $\mu\text{g/L}$) in the 2009 event was measured in well WMW5.58SD, installed in Las Vegas Wash. On-site, the highest concentration was measured in well MCF-06B at 3,760,000 J-TDS $\mu\text{g/L}$. The highest magnesium concentrations are located in an area between wells MCF-16C (600,000 J-CAB&TDS $\mu\text{g/L}$) and MW-4 (974,000 J-CAB&TDS $\mu\text{g/L}$).

The distribution of magnesium in Shallow Zone groundwater is roughly comparable to the isoconcentration maps of PCE, arsenic, and hexavalent chromium in the Shallow Zone, with the highest magnesium concentrations detected in an area that extends broadly from the southwest to the north-northeast across the Site toward Las Vegas Wash.

In Middle Zone wells sampled in 2009, the highest magnesium concentration was detected in well MCF-05 at 15,300,000 J-TDS $\mu\text{g/L}$. The minimum Middle Zone detection was 9,010 J-TDS $\mu\text{g/L}$ in well MCF-02B at the southern property boundary.

The highest magnesium concentrations in Deep Zone wells sampled in 2009 are located in an area trending southwest to northeast from well MCF-19A (10,300,000 J-TDS $\mu\text{g/L}$) to well MCF-31A (14,000,000 J-TDS $\mu\text{g/L}$). The maximum Deep Zone magnesium concentration was detected in well MCF-06A-R at 15,800,000 J-TDS $\mu\text{g/L}$. The minimum Deep Zone detection was 6,490 J-TDS $\mu\text{g/L}$ in well MCF-02A, at the southern property boundary.



3.2.3.4 *Manganese*

Manganese was detected above its BCL of 510 $\mu\text{g/L}$ in 9 samples collected from Shallow Zone wells in the 2009 event (no MCL has been set for manganese). The maximum Shallow Zone concentration (1,770 $\mu\text{g/L}$) was detected in well PC-108, located in the Western Hook subarea. Manganese was detected above its BCL in 10 Middle Zone samples. The maximum Middle Zone concentration (4,530 $\mu\text{g/L}$) was detected in well MCF-05 (south of the northern RIBs). In the Deep Zone, 17 samples exceeded the BCL for manganese. The maximum Deep Zone concentration was 5,720 $\mu\text{g/L}$ in well MCF-24A in the Spray Wheel Area.

The regional distribution of manganese is shown in Figures 26 through 29. Data from the plants area show that manganese concentrations up to 20,000 $\mu\text{g/L}$ (well EC-09) have been detected in Shallow Zone Layer 1 off-site. In Shallow Zone Layer 2, values as high as 3,400 $\mu\text{g/L}$ have been detected in the plants area (well MC-MW-10). Detected shallow zone concentrations trend basically north and northeast from the plants area, with groundwater flow.

In Middle Zone off-site wells, manganese has been detected up to 8,800 $\mu\text{g/L}$ (well IW-1). In Deep Zone off-site wells, manganese has been detected up to 340 $\mu\text{g/L}$ (MW-08).

3.2.3.5 *Selenium*

Selenium was detected above its MCL/BCL of 50 $\mu\text{g/L}$ in 10 samples collected from Shallow Zone wells during the 2009 event. The maximum Shallow Zone concentration (169 $\mu\text{g/L}$) was detected in well DBMW-2. Selenium was detected above its MCL/BCL in 3 Middle Zone samples. The maximum Middle Zone concentration detected was 167 $\mu\text{g/L}$ in well MCF-05. In the Deep Zone, 3 samples exceeded the MCL/BCL for selenium. The maximum Deep Zone concentration was 127 $\mu\text{g/L}$ in well MCF-30A.

The regional distribution of selenium is shown in Figures 30 through 33. Data from the plants area show that only relatively low concentrations of selenium are detected in off-site groundwater (Shallow, Middle and Deep Zone). The maximum reported off-site concentration in the Shallow Zone is 26 $\mu\text{g/L}$ in well EC-01. Detected shallow zone concentrations trend basically north and northeast, with groundwater flow.



3.2.4 Radionuclides

For the 2009 event, radium 226+228 (the sum of detected radium 226 and radium 228 activities) was the only radionuclide detected above its MCL of 5 picocuries per liter (pCi/L). NDEP has not assigned a BCL for this analyte. Radium 226+228 activities above 5 pCi/L were detected in 12 of 82 Shallow Zone well samples, 3 Middle Zone samples, and 10 Deep Zone well samples.

The distribution of radium 226+228 was plotted and contoured to show the distribution of this analyte in Site groundwater (Figures 34 through 36). Concentration trend graphs for this parameter (wells with the 10 highest detections in 2009) are included in Appendix E.

Similar to the isoconcentration maps for Shallow Zone VOCs and metals discussed above, the radium 226+228 map of 2009 Shallow Zone groundwater data (Figure 34) shows a trend with the highest detections extending across the Site from the southwest to the northeast. The highest radium 226+228 activity was measured in well DBMW-12 (19.4 pCi/L in a field duplicate).

The maximum detection in the Shallow Zone was 19.4 pCi/L in well DBMW-12 (field duplicate). The maximum detection in the Middle Zone was 12.9 pCi/L in well MCF-30B, and the maximum detection in the Deep Zone was 40.4 pCi/L in well MCF-28A. The highest Deep Zone radium 226+28 detections are located in the northern portion of the Site and trend roughly east-west.

3.2.5 Perchlorate

In Shallow Zone wells sampled during the 2009 event, perchlorate was detected in 76 of 82 samples above its BCL of 18 µg/L (perchlorate currently has no MCL). The maximum detection (in an unfiltered sample) was 500,000 µg/L in Shallow Zone well PC-28. In Middle Zone wells, perchlorate was detected in 7 wells, 2 of which had concentrations above the BCL: MCF-12C (430 µg/L) and MCF-32B (19 µg/L). In Deep Zone wells sampled in 2009, perchlorate was detected in 10 samples, at a maximum of 17 µg/L (MCF-28A), but no detections exceeded the perchlorate BCL.



The distribution of perchlorate was plotted and contoured to show the distribution of this analyte in Site groundwater (Figures 37 through 39). Concentration trend graphs for this parameter (wells with the 10 highest detections in 2009) are included in Appendix E.

Similar to the isoconcentration maps for Shallow Zone VOCs, metals and radium 226+228 discussed above, the perchlorate map of 2009 Shallow Zone groundwater data (Figure 37) shows a trend with the highest perchlorate detections extending across the Site from the southwest to the northeast. The highest Shallow Zone perchlorate concentration was measured in off-site well PC-28 at 500,000 $\mu\text{g/L}$. Perchlorate concentrations exceeding 10,000 $\mu\text{g/L}$ extend from the PC-28 area northeast on either side of the former spray wheel area up to the northeast property boundary. Shallow Zone perchlorate concentrations that exceed those detected at the Site in 2009 have been documented upgradient and off-site to the southwest of the Eastside area (TRONOX, 2006).

3.2.6 Total Dissolved Solids

In Shallow Zone wells sampled during the 2009 event, TDS was detected in 80 of 82 samples, and all 80 of these detections exceed the TDS MCL (secondary) of 500 mg/L. NDEP has not assigned a BCL to TDS. The maximum Shallow Zone TDS detection was 142,000 mg/L in well WMW5.58SD, installed in Las Vegas Wash. On-site, the highest TDS detection in a Shallow Zone well is 14,400 mg/L in well MW-04.

In Middle Zone wells, TDS was detected in all 18 samples, and each detected value exceeded 500 mg/L. The maximum detection in a Middle Zone well was 180,000 mg/L in well MCF-05. In Deep Zone wells sampled in 2009, TDS was detected over 500 mg/L in all 27 wells sampled. The maximum detected concentration in a Deep Zone well was 188,000 mg/L in well MCF-28A.

The distribution of TDS was plotted and contoured to show the distribution of this analyte in Site groundwater (Figures 40 through 42). Concentration trend graphs for this parameter (wells with the 10 highest detections in 2009) are included in Appendix E. Similar to the isoconcentration maps for Shallow Zone VOCs, metals, radium 226+228, and perchlorate discussed above, the TDS map of 2009 Shallow Zone groundwater data shows a trend with the highest TDS



detections extending across the Site from the southwest to the northeast. Relatively low TDS concentrations were detected in wells downgradient of the former RIBs. Similar to the Deep Zone radium 226+228 map (Figure 36), the map of 2009 Deep Zone TDS (Figure 42) shows that the wells with the highest TDS detections are located in the northern portion of the Site. As discussed by DBS&A (2009), the Deep Zone TDS detections are consistent with the presence of a paleoevaporite deposit in this area of the Site.

3.2.7 Anions

As discussed in Section 2, CAB calculations completed with prior monitoring event data exceed acceptable criteria detailed in NDEP guidance (NDEP, 2009c) and Section 1030 E of the *Standard Methods for the Examination of Water and Wastewater* (APHA, 1999). Specific field procedures were therefore followed with the 2009 samples (field filtering, field alkalinity, separate shipping) to help develop a better CAB. In addition, BRC discussed the fifth round CAB failures with the metals and anions laboratory (TestAmerica) prior to the 2009 sampling event, and the laboratory agreed to closely monitor their 2009 results for metals and anions and re-analyze samples, where possible and within protocol, to develop a better overall CAB.

Using the 2009 dataset, a revised CAB calculation table (Appendix F) was developed for both filtered and unfiltered metals and anions. As shown in this table, 96 of the 125 unfiltered samples (76 percent) in the 2009 dataset pass the CAB test with an acceptable variance of less than 5 percent. This percentage is a significant improvement from the CAB prepared with the fifth round data, where 64 of 106 samples (60 percent) passed the CAB criteria.

The percentage of unfiltered samples passing the TDS evaluation criteria in the 2009 dataset was less than the percentage passing in the fifth round dataset; 26 of the 125 samples (21 percent) passed the TDS criteria for comparison of anion/cation sum to the laboratory measured TDS value, and 18 of the samples (14 percent) passed the criteria for laboratory-measured TDS versus electrical conductivity. The low percentage of samples passing in the TDS checks appears related to the relatively high TDS concentrations measured in the groundwater samples.



Field filtering resulted in 12 more samples passing the CAB for 2009: 86 percent (108 of 126 samples) of the filtered samples passed the CAB criteria (Appendix F) compared to 76 percent (96 of 125 samples) of the unfiltered samples (TDS checks were not evaluated for filtered versus unfiltered samples because all samples were filtered by the laboratory before the TDS analysis).

Field-measured alkalinity does not appear to have a significant effect on the results of the CAB or the TDS criteria checks. The same samples pass and fail the analysis for both field- and laboratory-measured alkalinity (Appendix F).

3.2.8 Tritium and Stable Isotopes

A comprehensive summary and analysis of tritium and stable isotope data is presented in the separate BRC report entitled *Evaluation of Hydrogeologic Zone Connectivity Through Tritium and Stable Isotope Sampling and Analysis, BMI Common Areas (Eastside)* (Isotope Report) prepared by DBS&A and dated December 29, 2009 (DBS&A, 2009) (NDEP has reviewed and provided comments to this document, dated February 11, 2010, that BRC is currently in the process of addressing). A summary of this report is included in this section because the data were collected as part of the 2009 sampling event and the prior fifth round event.

The presence of an event marker, such as bomb tritium (radioactive isotope of hydrogen), in groundwater can provide evidence that a component of sampled groundwater has recharged during a particular time period. Because of tritium's short half-life (12.32 years), the use of bomb tritium as a hydrologic tracer is relatively temporary. Before significant amounts of tritium were injected into the atmosphere through nuclear activities in the 1950s and 1960s, precipitation had an estimated natural background of approximately 5 to 10 tritium units (TU) (Illinois Environmental Protection Agency, 1997). Radioactive decay of the tritium in any water recharged before the 1950s would therefore leave no detectable tritium today. Tritium content in precipitation in North America since the advent of atmospheric nuclear bomb testing in 1952 reached an atmospheric high in approximately 1963 and has diminished significantly since that time to the present atmospheric levels. In the southern hemisphere, the bomb pulse has already decayed to within 15 TU of natural background. More than 20 years ago, Bentley et al. (1986) reported that bomb tritium will be difficult to detect in 10 to 20 years.



The actual tritium content varies widely with location (Illinois Environmental Protection Agency, 1997). The Santa Maria, California and the Albuquerque, New Mexico stations have tritium monitoring stations with some of the longest monitoring records in the U.S. At Santa Maria, peak atmospheric tritium concentrations of about 1,300 TU were recorded from 1962 through early 1964, but by late 1964, tritium concentrations had diminished to less than 400 TU. Today, atmospheric background levels in the northern hemisphere are between about 5 and 30 TU (IAEA/WMO, 2006).

For 1976, the last year of record at Santa Maria, the average tritium atmospheric content from nine Santa Maria reporting stations was 15.33 TU (IAEA, 2009). Albuquerque, New Mexico reported a mean atmospheric tritium content of 7.3 TU from 12 reporting stations in 2001. These data are in agreement with the statement by the IAEA (2009) that, "Atmospheric tritium concentrations have been decreasing over the last 30 years and are currently almost at their low, natural levels, making tritium less useful as a hydrological tracer."

While tritium was chemically analyzed and evaluated for the Site monitoring wells sampled, the evaluation is qualitative and based on the absence or presence of tritium. Nonetheless, it provides an additional useful line of evidence in the interpretation of the source and fate and transport of chemicals at the Site.

Stable isotopes of hydrogen (H) and oxygen (O) were sampled to evaluate the connectivity between the three water-bearing zones and to potentially gain insight as to the origin of the water in the individual zones (DBS&A, 2009).

Laboratory analyses can determine the ratio of isotopes in a water sample. For the Site sample analyses, the isotopic ratios of $^{18}\text{O}/^{16}\text{O}$ and $^2\text{H}/^1\text{H}$ (D/H) were analyzed and interpreted. The laboratory analyses for stable isotopes of hydrogen and oxygen were conducted by Isotech Laboratories, Inc., in Champaign, Illinois.

The isotope ratio from Site samples was compared to the isotopic ratio of a reference material called Vienna Standard Mean Ocean Water (VSMOW). The comparison is made by means of the parameter δ , defined by Fetter (1988) for isotope ratios of oxygen and hydrogen (expressed in parts per thousand [‰]) as:



$$\delta^{18}\text{O} (\text{‰}) = \left[\frac{\left(\frac{^{18}\text{O}}{^{16}\text{O}} \right)_{\text{sample}}}{\left(\frac{^{18}\text{O}}{^{16}\text{O}} \right)_{\text{VSMOW}}} - 1 \right] 10^3$$

$$\delta^2\text{H} (\text{‰}) = \left[\frac{\left(\frac{^2\text{H}}{^1\text{H}} \right)_{\text{sample}}}{\left(\frac{^2\text{H}}{^1\text{H}} \right)_{\text{VSMOW}}} - 1 \right] 10^3$$

It is well established that the isotopic composition of precipitation at a particular location will vary seasonally and with individual storms (Mook, 2006). The isotopic composition of precipitation will also vary among locations depending upon climate and elevation. Nevertheless, the composition of all precipitation generally falls on a straight line plot of $\delta^2\text{H}$ versus $\delta^{18}\text{O}$. This line is called the Global Meteoric Water Line (GMWL).

After liquid water is formed from vapor (as in precipitation), the isotopic ratios of ^{18}O and ^2H do not change and are locked into the water molecule except when a body of water is exposed to either (1) geothermal heating or (2) evaporation, such as from ponds or lakes in dry climates. The stable isotope concentration of the precipitation can be modified subsequent to precipitation; this modified signature of the soil water can be used to reveal the origin of the water.

Evaporation of soil water or evaporation from a free water surface leads to an increase in the concentration of the stable isotopes ^2H and ^{18}O in the residual water, since the lighter isotopes ^1H and ^{16}O are preferentially lost during evaporation as vapor. This physical process is known as fractionation.

Another process that can change the stable isotope signature of a parcel of water is a rock-water interaction such as exchange with water in hydrated minerals. For example, evaporites such as gypsum ($\text{CaSO}_4 \bullet 2\text{H}_2\text{O}$) are hydrated by the highly fractionated water from which they precipitated, and dissolution of the mineral or exchange of water with the mineral will release this fractionated water into more recently recharged water and shift its isotopic signature in proportion to the mixing.



In geothermal systems, significant isotope exchange of hydrogen and oxygen occurs between rock and water, due to membrane filtration through layers of semipermeable clays as well as hydration or dehydration of secondary minerals. Water that is heated geothermally becomes relatively enriched in ^{18}O due to the water coming into equilibrium with elevated concentrations of that isotope in minerals. Hydrogen is not similarly affected (Mook, 2006).

3.2.8.1 Groundwater Sampling for Tritium and Stable Isotopes

During the fifth round of sampling in 2008, groundwater samples for tritium and stable isotopes were collected from the three water-bearing zones at the Site (DBS&A, 2009). During the 2009 event, additional stable isotope samples were collected from the Deep Zone. No additional samples were collected for tritium analysis during this event. The results of the laboratory analyses were used to determine if the isotopic character of the water in the three water-bearing zones could be differentiated on the basis of their isotopic signature and to assess the connectivity between the three site water-bearing zones. During the fifth round event in 2008, the following wells were sampled:

- *Northern Site Area (near Las Vegas Wash):* Wells AA-08 (Shallow Zone), MCF-08B-R (Middle Zone), and MCF-17A (Deep Zone)
- *Northern Site Area (upgradient of Northern RIBs):* Wells MCF-05 (Middle Zone) and MCF-20A (Deep Zone) (Shallow Zone Well DM-5 was proposed but not sampled due to lack of water.)
- *Middle Site Area (near high perchlorate and TDS detections):* Wells MCF-16C (Shallow Zone), MCF-16B (Middle Zone), and MCF-16A (Deep Zone)
- *Southern Site Area (near plants sites):* Wells AA-01 (Shallow Zone), MCF-02B (Middle Zone), and MCF-01A (Deep Zone)

Between August 21 and September 29, 2009, additional groundwater samples were collected by Converse Consultants, Inc. (Converse) and analyzed for stable isotopes. The samples from the 2009 monitoring event were collected from the following monitoring wells:



- *MCF-02A*: Located at the southern end of the Site, approximately 1,830 feet north-northwest of the intersection of Boulder Highway and Lake Mead Drive
- *MCF-06A-R*: Located at the north-central edge of the Site, on the boundary with the Weston Hill property
- *MCF-18A*: Located approximately 390 feet west-northwest of the northwest corner of the COH Northern RIBs
- *MCF-18A (FD)*: Field duplicate collected from monitoring well MCF-18A
- *MCF-29A*: Located at the northwestern corner of the Weston Hills property, immediately south of Las Vegas Wash
- *MCF-31A*: Located adjacent to the north-central boundary of the Tuscany Village property
- *MCF-30A*: Located approximately 460 feet east of the northwest corner of the Tuscany Village property, south of the C channel

3.2.8.2 Tritium Results

Two tritium samples (AA-08 and AA-01) collected from wells screened in the Qal contained tritium above the detection limit (1 TU) with activities of 5.18 and 9.88 TU, respectively. These samples represent water that has recharged relatively recently (DBS&A, 2009). Theoretically, this water could have recharged any time since the 1950s or 1960s, when atmospheric levels of tritium were much higher, and the tritium concentrations in the subsurface were then subsequently reduced to present levels by radioactive decay and possibly mixing with older groundwater. However, Site data from aquifer testing indicates that water travel velocities within the Qal are relatively fast. Thus, analysis of tritium samples indicates that the water in the Shallow Zone (Qal) is younger than water in the Middle or Deep Zones.



The remaining samples, collected from wells having various screened interval depths within the UMCf, were below the tritium detection limit. These data suggest that groundwater is on the order of at least 37 years old (assuming that three tritium decay half-lives are required to reduce atmospheric [assumed for this calculation to average 7.5 TU] background concentrations of tritium to below the detection limit of 1 TU) (DBS&A, 2009).

3.2.8.3 Stable Isotope Results

The range of $\delta^2\text{H}$ values measured in the Site samples generally fell within the range of expected $\delta^2\text{H}$ VSMOW values for temperate zone precipitation: -60 to -95 ‰ (Mook, 2006). Likewise, the range of $\delta^{18}\text{O}$ values measured in the Site samples generally fell within the range of expected $\delta^{18}\text{O}$ VSMOW values for temperate zone precipitation: -2 to -15 ‰ (Mook, 2006). The stable isotope concentrations in most of the Deep Zone wells are relatively high and indicate a source of water that has been strongly fractionated (DBS&A, 2009).

The 2008 samples collected from monitoring wells MCF-05 and MCF-20A are isotopically heavier than, and distinct from, the other samples collected in 2008. Well MCF-20A is a Deep Zone well that has a screened interval from 360 to 380 ft bgs. Well MCF-05 is screened at a relatively deep depth interval within the Middle Zone at 221 to 231 ft bgs. These two wells are located in the vicinity of relatively high TDS concentrations that were reported for samples from the Deep Zone and the Middle Zone. The data represent one line of evidence that the elevated TDS in this area of the Deep and Middle Zones is the result of groundwater that is in contact with a paleoevaporite deposit.

As noted above, six additional Deep Zone wells were sampled in 2009. The data for all of these samples except for MCF-02A indicate that groundwater has undergone isotopic fractionation and is enriched in the heavier isotopes ^{18}O and ^2H . The data lend further support to the interpretation that the elevated TDS in this area of the Deep and Middle Zones is the result of groundwater that is in contact with a paleoevaporitic deposit (DBS&A, 2009).

As depicted in Figure 42, the area of elevated TDS in the Deep Zone is focused at and north of the northern boundary of the Site. Isoconcentration plots of the distribution of groundwater with enriched ^{18}O and ^2H are presented in Figures 43 and 44. Elevated TDS impacts appear coincident with the area of enriched ^2H and ^{18}O .



Daniel B. Stephens & Associates, Inc.

These figures show a focused region of heavy isotope enrichment in the same area that is characterized by elevated TDS. This coincident occurrence is consistent with and indicative of an area of evaporite deposits (DBS&A, 2009).



4. Path Forward

BRC has completed six rounds of sitewide groundwater sampling and analysis. In discussion with NDEP, BRC has developed a list of AOIs that consists of:

- Alpha BHC
- Arsenic
- Carbon tetrachloride
- Manganese
- Magnesium
- PCE
- Perchlorate
- Radium 226+228
- Selenium
- TDS
- Total and hexavalent chromium
- TTHMs

For any future monitoring events, BRC will conduct laboratory analysis for those analytical parameters listed above or an appropriate subset approved by the NDEP. Annual water level monitoring will be conducted for wells where water levels are relatively stable. Semiannual water level monitoring will be conducted where water levels appear to be relatively unstable or fluctuating (where change is greater than 10 percent of the well water column height compared to the prior round).



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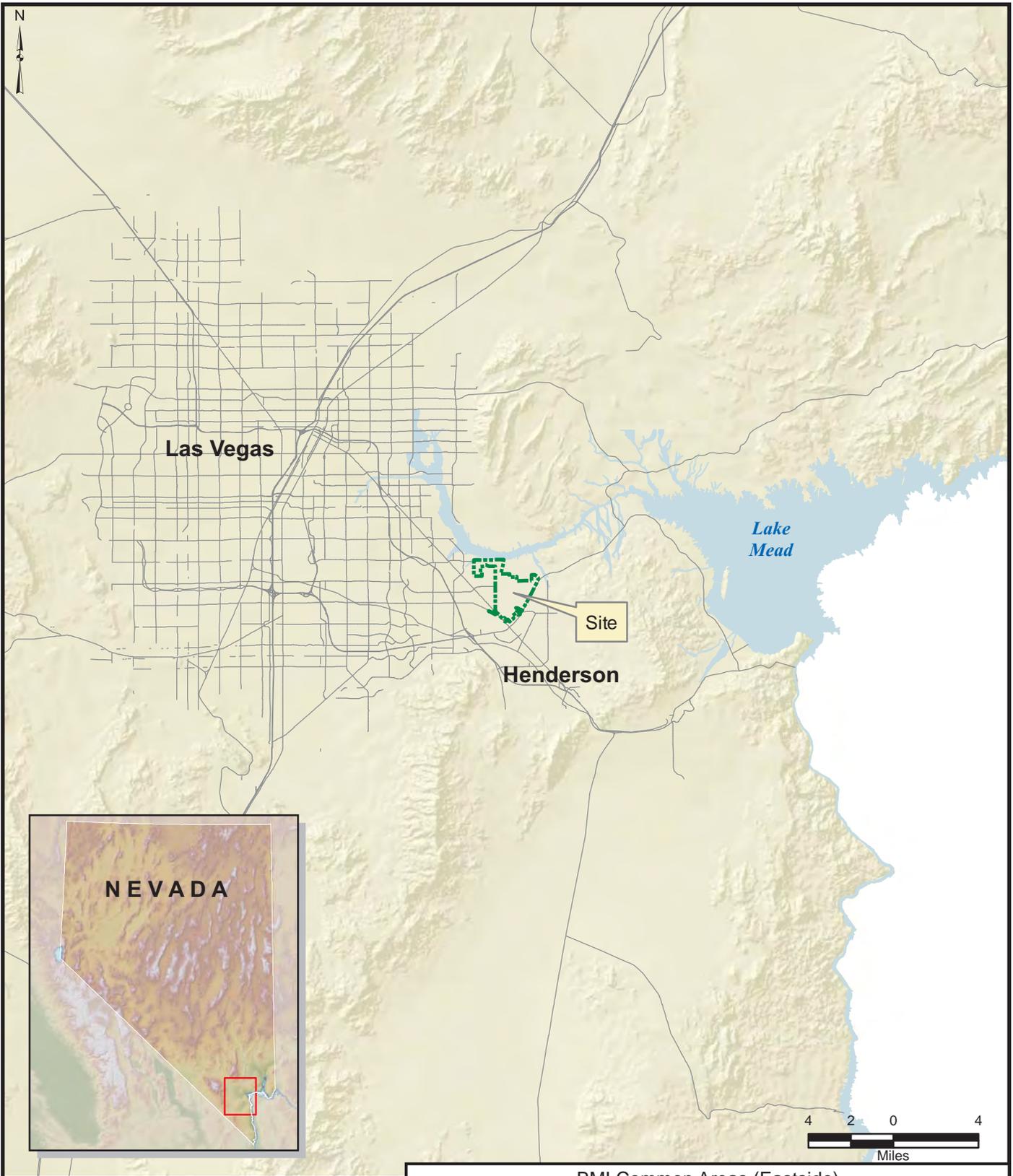
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Figures



BMI Common Areas (Eastside)
Henderson, Nevada

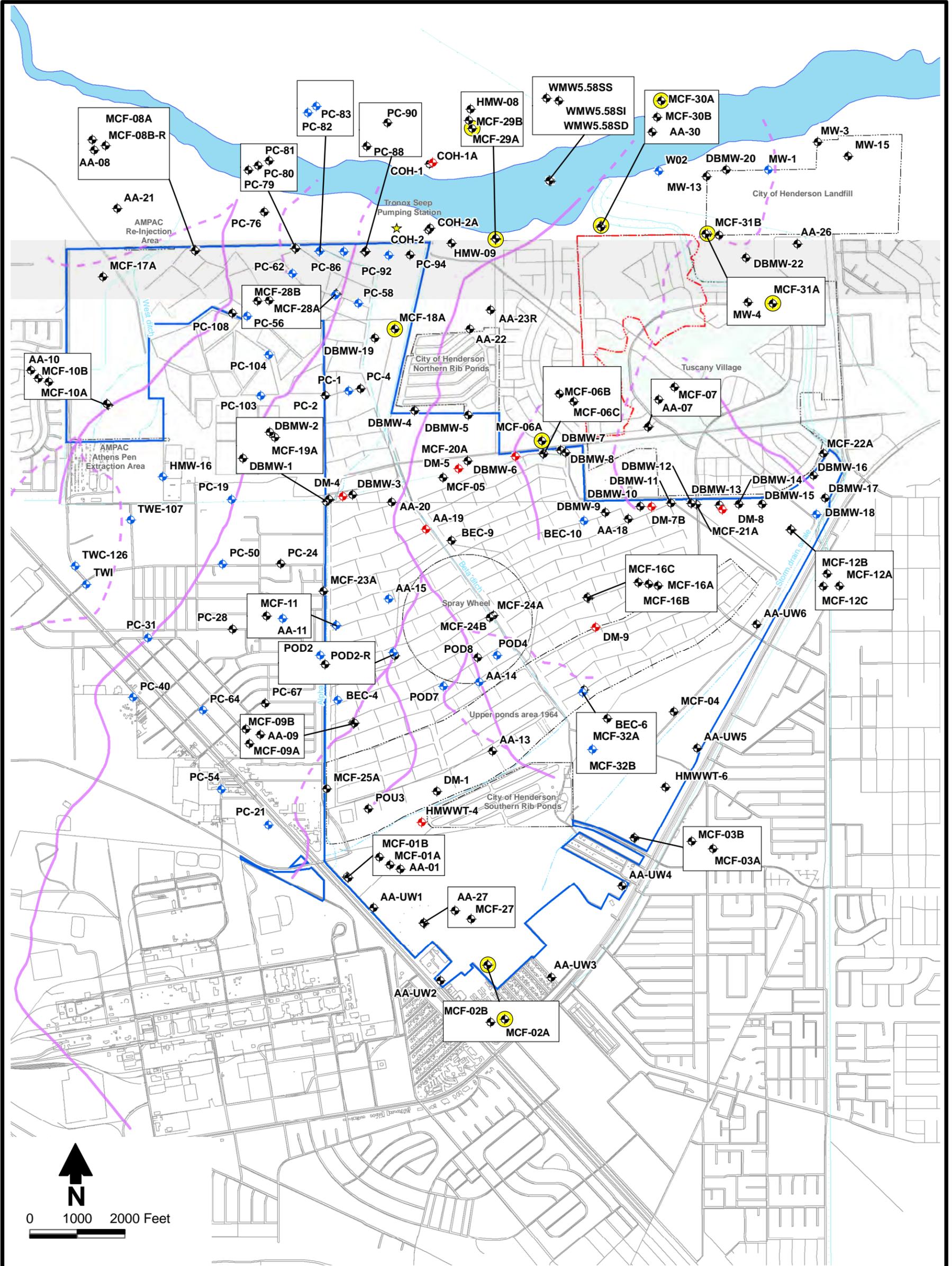
FIGURE 1
Site Location Map



Prepared by:
DBS&A CRS

Date
04-08-10

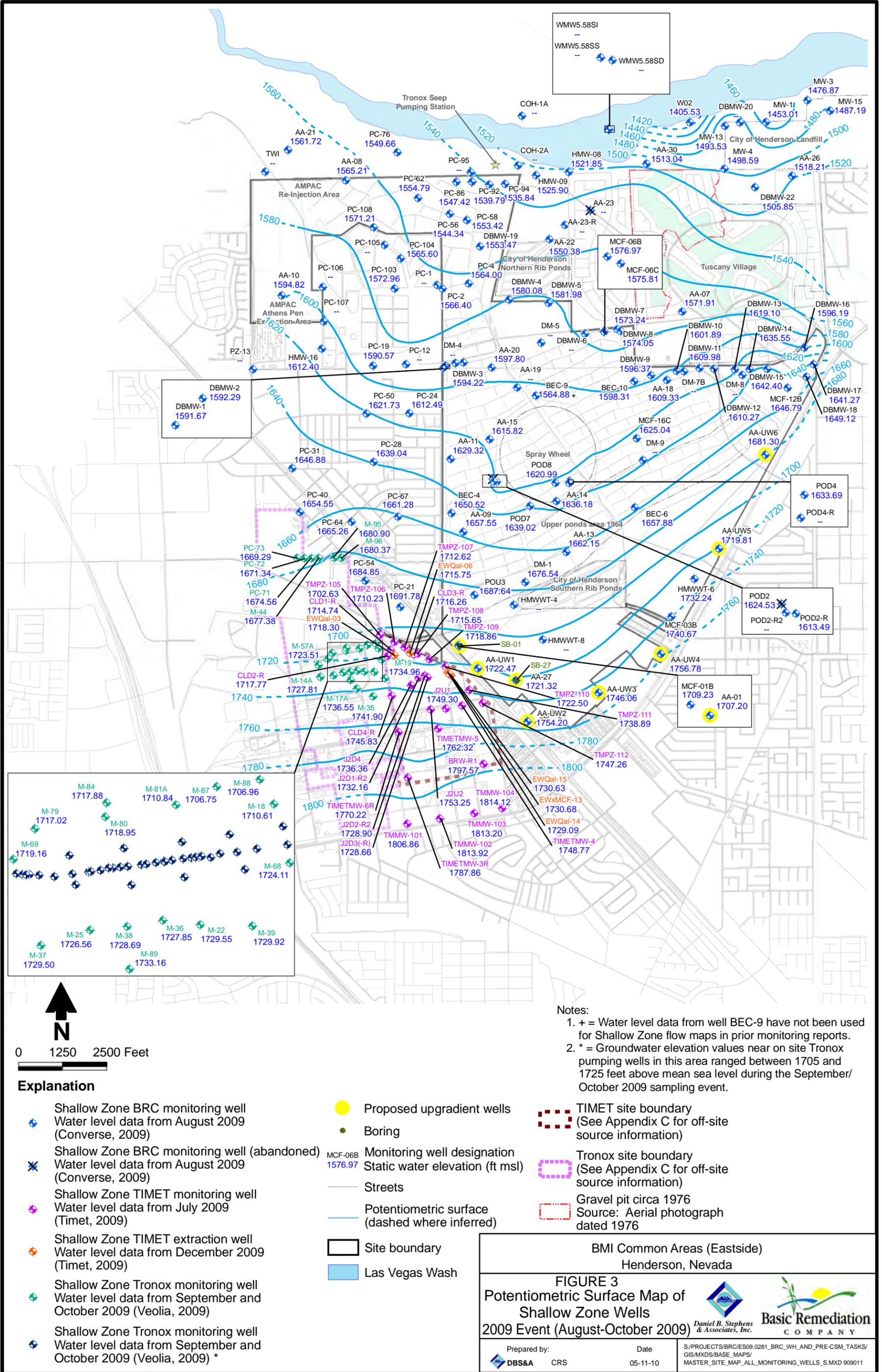
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VRDRAWINGS/Fig_1_location_map.cdr



Explanation

- ◆ Water level data only
- ◆ Water level data only - dry
- ◆ Water quality and water level data
- Isotope analyses well location
- Site boundary
- Gravel pit circa 1976
Source: Aerial photograph dated 1976
- Las Vegas Wash
- Streets
- Interpreted paleochannel location

BMI Common Areas (Eastside) Henderson, Nevada	
FIGURE 2 Monitoring Well Locations and Analytical Suites	
Prepared by: DBS&A CRS	Date: 02-23-10
S:/PROJECTS/BRC/ES09.0281_BRC_WH_AND_PRE-CSM_TASKS/ GIS/MXDS/BASE_MAPS/ MASTER_SITE_MAP_ALL_MONITORING_WELLS.MXD 909011	



- Notes:
1. + = Water level data from well BEC-9 have not been used for Shallow Zone flow maps in prior monitoring reports.
 2. * = Groundwater elevation values near on site Tronox pumping wells in this area ranged between 1705 and 1725 feet above mean sea level during the September/October 2009 sampling event.

Explanation

- ◆ Shallow Zone BRC monitoring well
Water level data from August 2009 (Converse, 2009)
- ✕ Shallow Zone BRC monitoring well (abandoned)
Water level data from August 2009 (Converse, 2009)
- ◆ Shallow Zone TIMET monitoring well
Water level data from July 2009 (Timet, 2009)
- ◆ Shallow Zone TIMET extraction well
Water level data from December 2009 (Timet, 2009)
- ◆ Shallow Zone Tronox monitoring well
Water level data from September and October 2009 (Veolia, 2009)
- ◆ Shallow Zone Tronox monitoring well
Water level data from September and October 2009 (Veolia, 2009) *
- Proposed upgradient wells
- Boring
- MCF-06B 1576.97 Monitoring well designation
Static water elevation (ft msl)
- Streets
- - - Potentiometric surface (dashed where inferred)
- ▭ Site boundary
- ▭ Las Vegas Wash

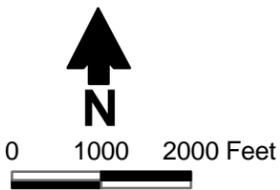
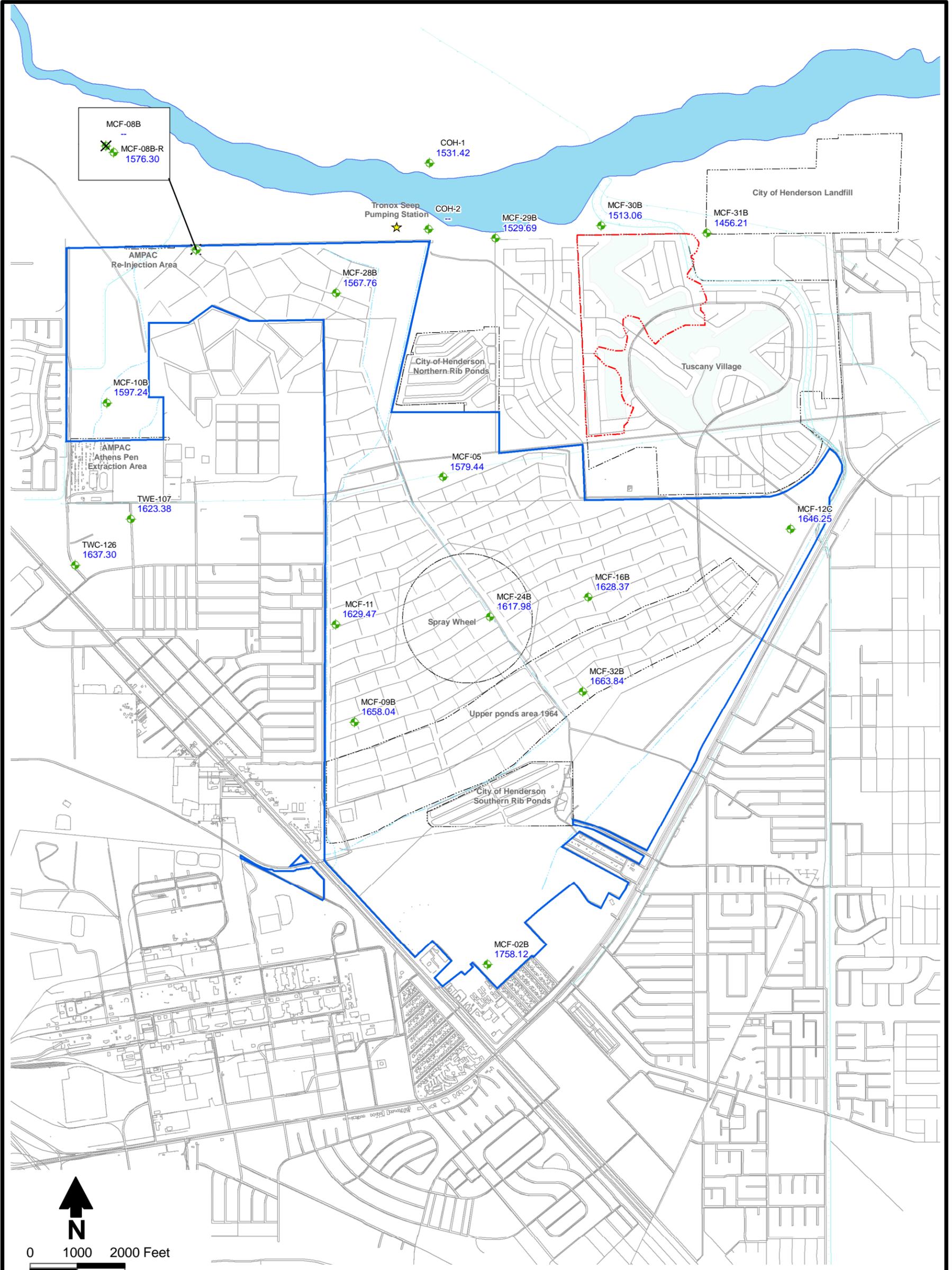
- ▭ TIMET site boundary (See Appendix C for off-site source information)
- ▭ Tronox site boundary (See Appendix C for off-site source information)
- ▭ Gravel pit circa 1976
Source: Aerial photograph dated 1976

BMI Common Areas (Eastside)
Henderson, Nevada

FIGURE 3
Potentiometric Surface Map of Shallow Zone Wells
2009 Event (August-October 2009)

Daniel B. Stephens & Associates, Inc.  Basic Remediation COMPANY 

Prepared by:  DBS&A	Date 05-11-10	S:\PROJECTS\BRC\ES09.0281_BRC_WH_AND_PRE-CSM_TASKS\GIS\MXD\BASE_MAPS\MASTER_SITE_MAP_ALL_MONITORING_WELLS_S.MXD 909011
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Explanation

- ◆ Middle Zone monitoring well
- ✕ Middle Zone monitoring well (abandoned)
- MCF-05 1579.44 Monitoring well designation
- Static water elevation (ft msl)
- Site boundary
- Gravel pit circa 1976
- Source: Aerial photograph dated 1976
- Las Vegas Wash
- Streets

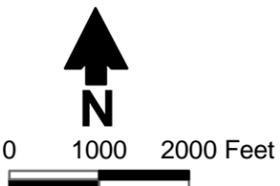
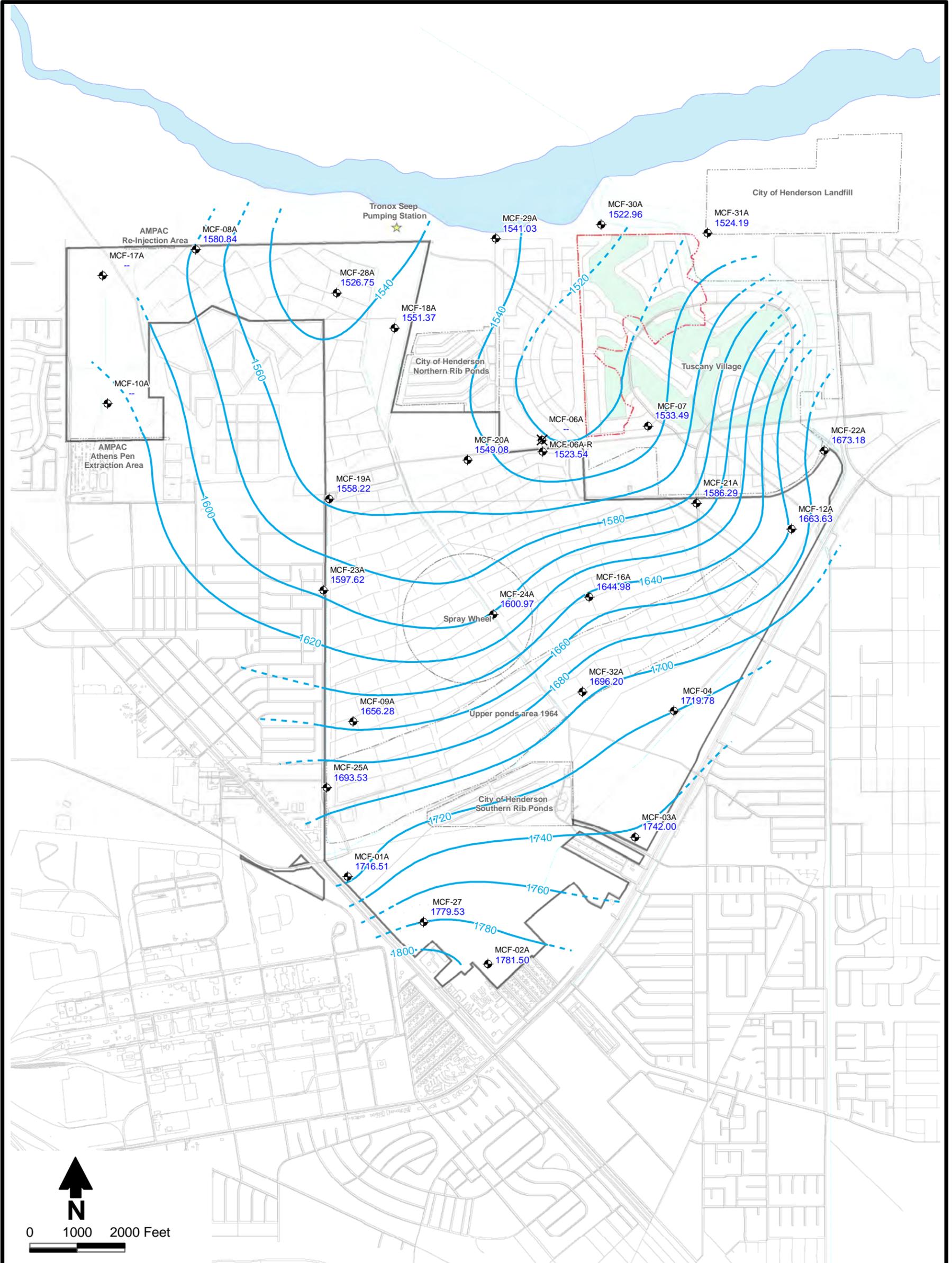
**BMI Common Areas (Eastside)
Henderson, Nevada**

**FIGURE 4
Groundwater Elevation Map of
Middle Zone Wells
2009 Event (August-October 2009)**

Prepared by: **DBS&A** CRS

Date: 04-06-10

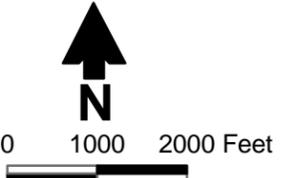
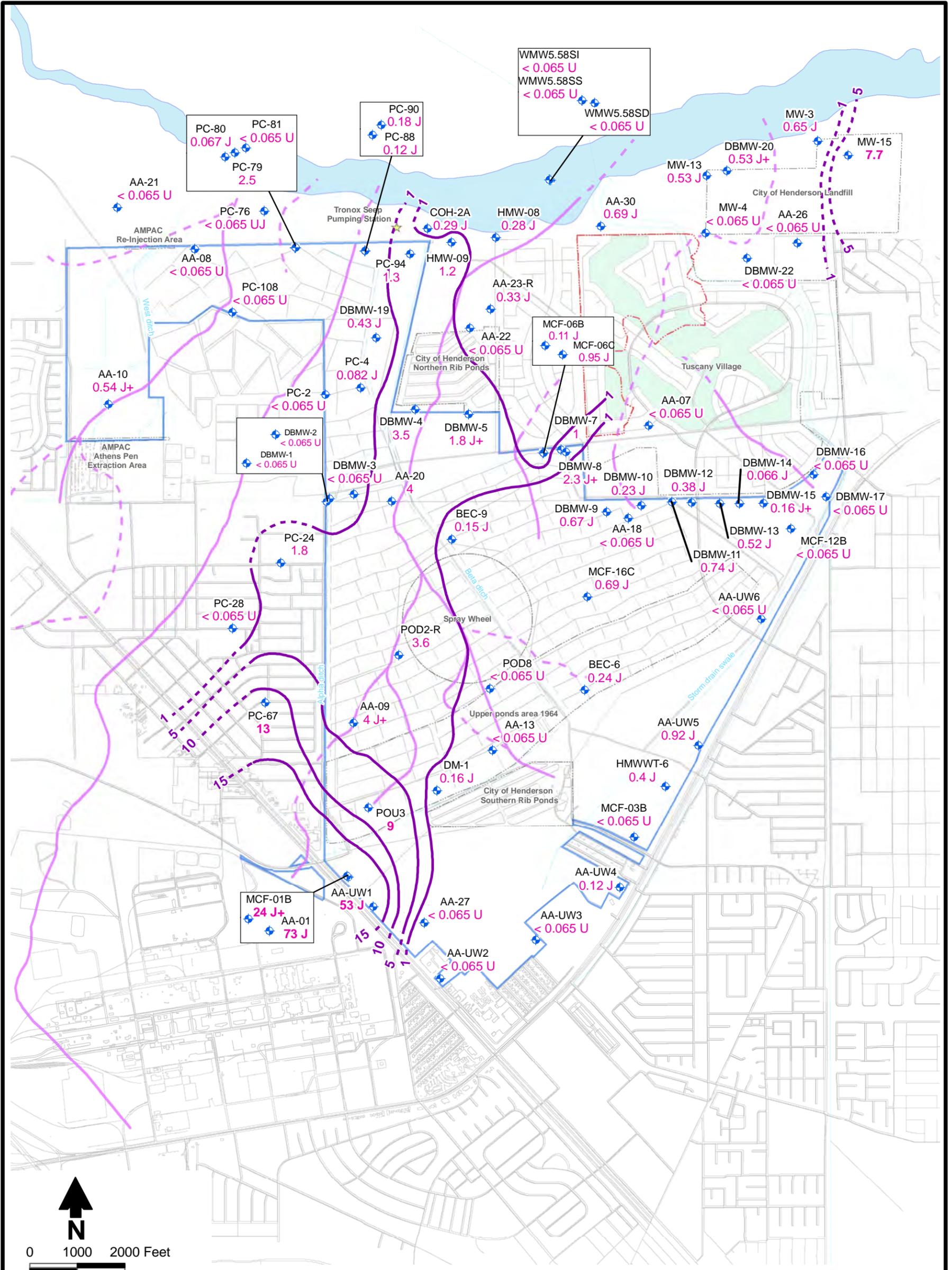
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MASTER_SITE_MAP_ALL_MONITORING_WELLS_M.MXD 909011



Explanation

- ◆ Deep Zone monitoring well
- ✖ Deep Zone monitoring well (abandoned)
- MCF-07
1533.49 Monitoring well designation
Static water elevation (ft msl)
- ▭ Site boundary
- ▭ Gravel pit circa 1976
Source: Aerial photograph dated 1976
- ▭ Las Vegas Wash
- Streets
- Potentiometric surface (dashed where inferred)

BMI Common Areas (Eastside) Henderson, Nevada		
FIGURE 5 Potentiometric Surface Map of Deep Zone Wells 2009 Event (August-October 2009)		
Prepared by: DBS&A CRS	Date: 04-06-10	 Daniel B. Stephens & Associates, Inc. S:/PROJECTS/BRC/ES09.0281_BRC_WH_AND_PRE-CSM_TASKS/ GIS/MXDS/BASE_MAPS/ MASTER_SITE_MAP_ALL_MONITORING_WELLS_D.MXD 909011

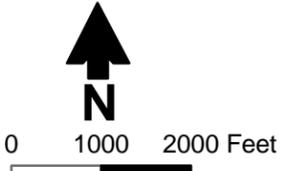
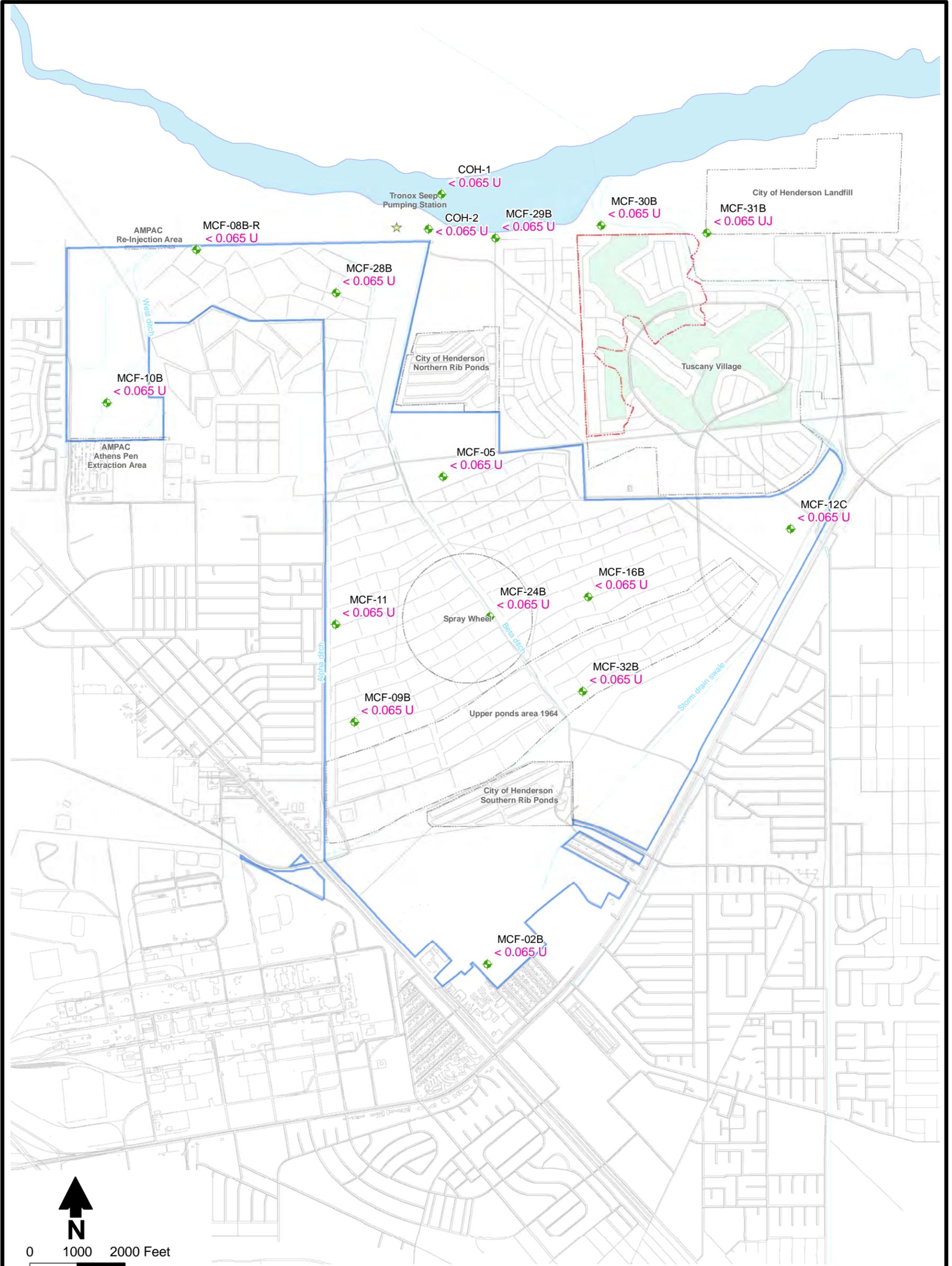


Explanation

- ◆ Shallow Zone monitoring well
- Site boundary
- Gravel pit circa 1976
Source: Aerial photograph dated 1976
- Las Vegas Wash
- Streets
- Interpreted paleochannel location
- Concentration contour (dashed where inferred)
- AA-27 Monitoring well designation
- <0.065 U Result (ug/L)

Notes:
 1. Data posted are from Eastside 2009 Sampling Event
 2. Nevada Basic Comparison Level (BCL) = 5 ug/L
 3. **Bold** indicates value exceeds BCL

BMI Common Areas (Eastside) Henderson, Nevada	
FIGURE 6 Tetrachloroethene (PCE) Shallow Zone	
 Daniel B. Stephens & Associates, Inc.	 Basic Remediation COMPANY
Prepared by:  DBS&A CRS	Date: 02-23-10
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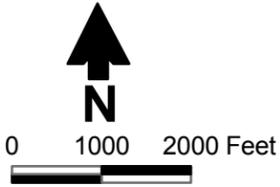
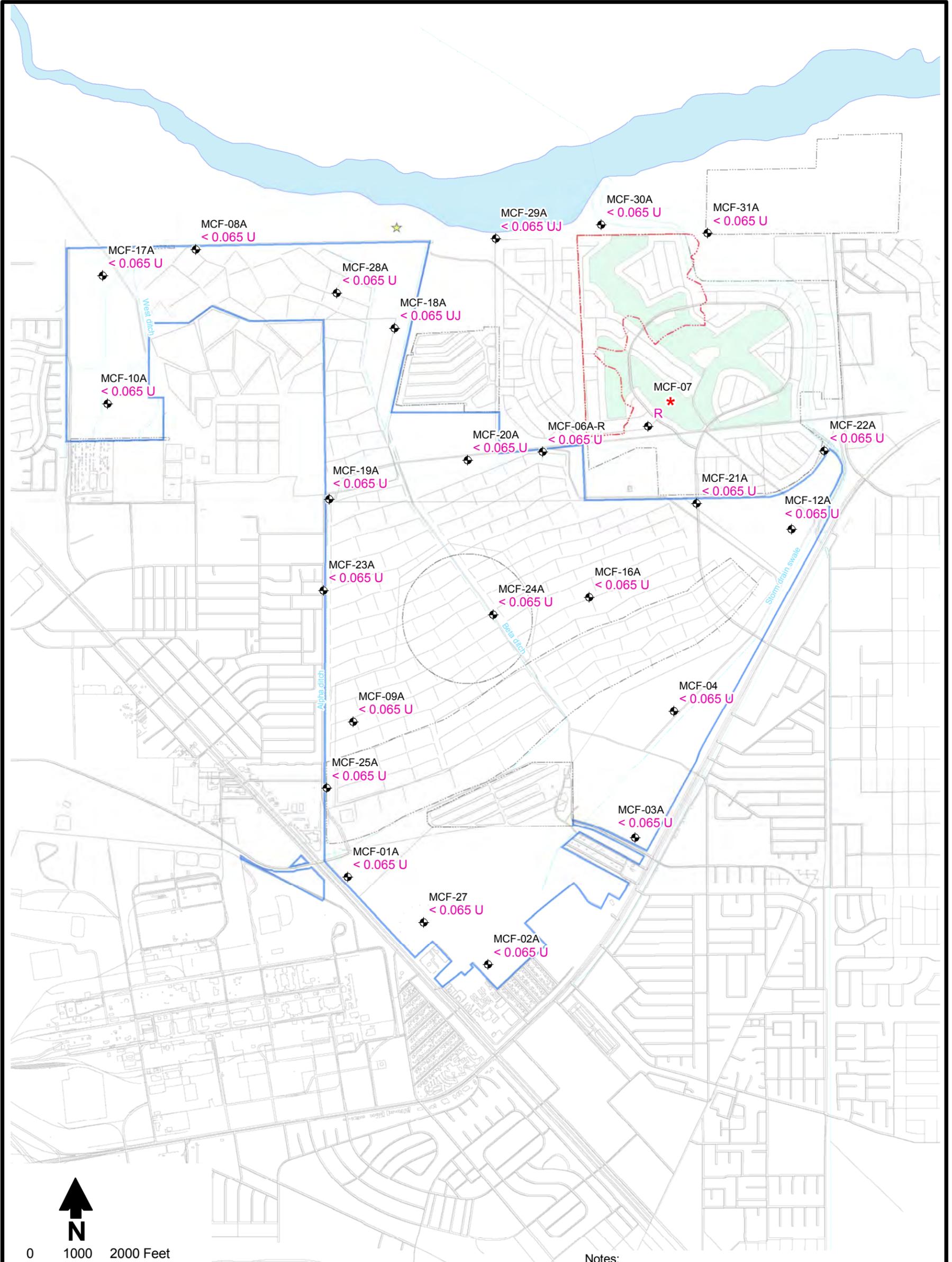


Explanation

- Middle Zone monitoring well
- Site boundary
- Gravel pit circa 1976
Source: Aerial photograph dated 1976
- Las Vegas Wash
- Streets
- MCF-09B Monitoring well designation
- < 0.065 U Result (ug/L)

- Notes:**
1. Data posted are from Eastside 2009 Sampling Event
 2. Nevada Basic Comparison Level (BCL) = 5 ug/L

BMI Common Areas (Eastside) Henderson, Nevada		
FIGURE 7 Tetrachloroethene (PCE) Middle Zone		
Prepared by: DBS&A CRS	Date: 02-23-10	S:\PROJECTS\BRC\ES09.0281_BRC_WH_AND_PRE-CSM_TASKS\GIS\MXDS\CHEMISTRY\ PCE_2009_MIDDLE.MXD 906121



Explanation

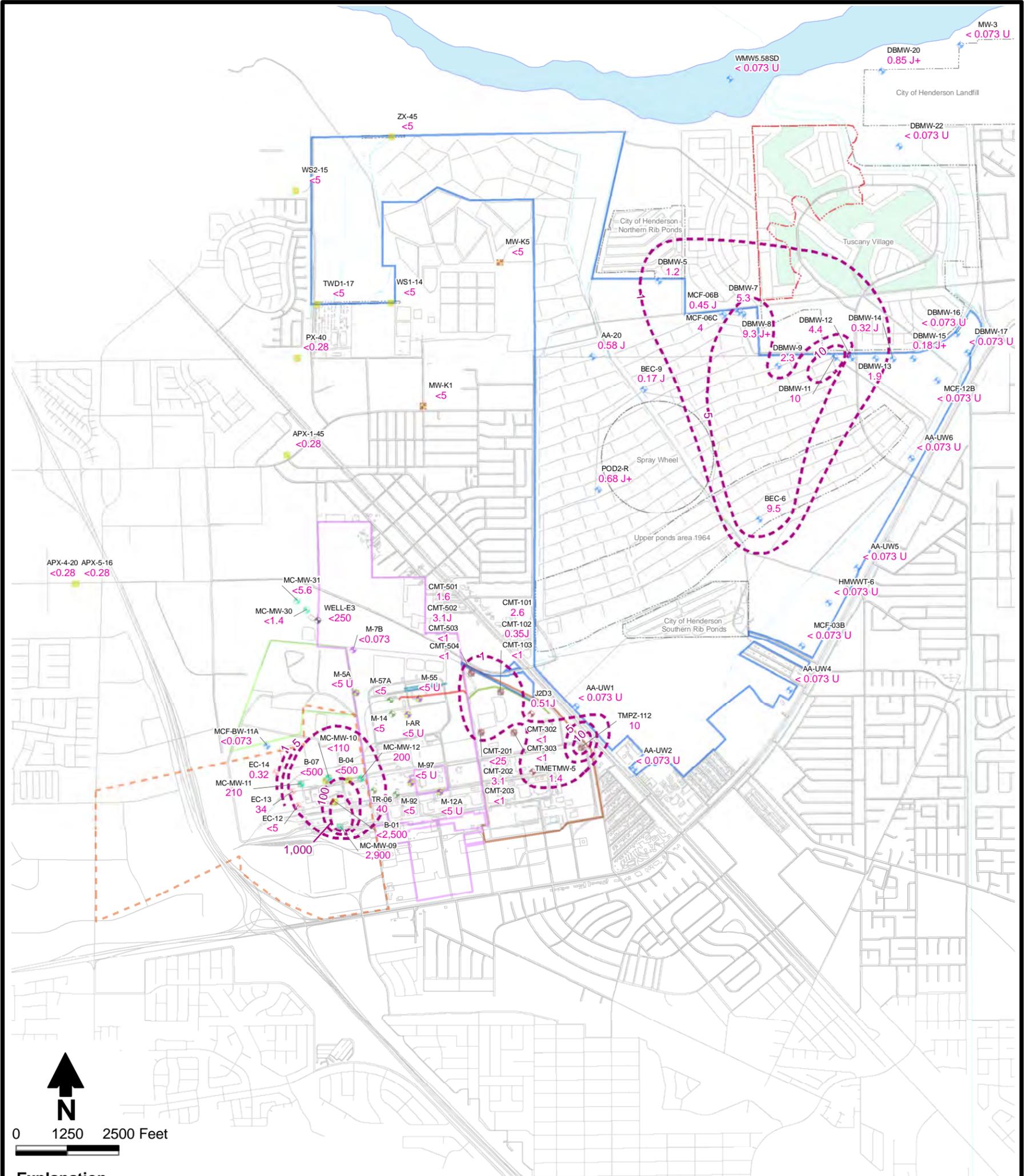
- ◆ Deep Zone monitoring well
- ▭ Site boundary
- ▭ Gravel pit circa 1976
Source: Aerial photograph dated 1976
- ▭ Las Vegas Wash
- Streets

MCF-24A Monitoring well designation
<0.065 U Result (ug/L)

Notes:

1. Data posted are from Eastside 2009 Sampling Event
2. Nevada Basic Comparison Level (BCL) = 5 ug/L
3. * = Data rejected due to potential field sampling error – result pending final determination.

BMI Common Areas (Eastside) Henderson, Nevada	
FIGURE 8 Tetrachloroethene (PCE) Deep Zone	
 Daniel B. Stephens & Associates, Inc.	 Basic Remediation COMPANY
Prepared by:  DBS&A CRS	Date: 02-23-10
S:/PROJECTS/BRC/ES09.0281_BRC_WH_AND_Pre_CSM_tasks/ GIS/MXDS/CHEMISTRY/PCE_DEEP.MXD 905011	

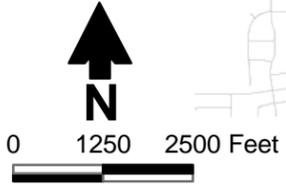
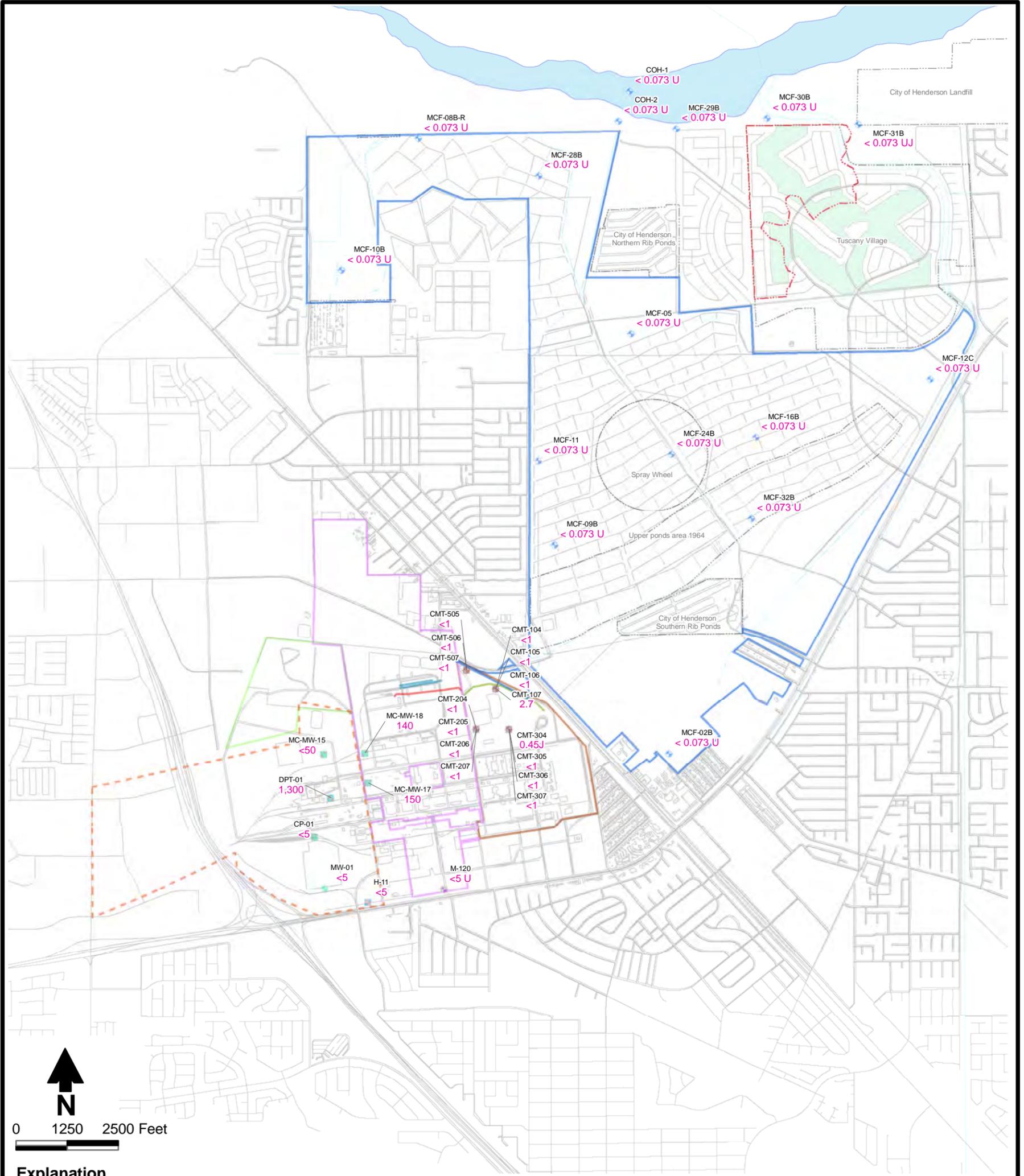


- Explanation**
- Well Site - Date of Data**
- AMPAC - 2004
 - AMPAC - 2008
 - BRC - 2009
 - Kerr-McGee - 2008
 - Montrose - 2008
 - Montrose - 2009
 - Olin - 2008
 - POSSOM - 2008
 - Stauffer - 2009
 - TIMET - 2008
 - TIMET - 2009
 - Tronox - 2006
 - Tronox - 2009

- Site boundary
- Gravel pit circa 1976
- Source: Aerial photograph dated 1976
- TIMET boundary
- Tronox boundary
- POSSM (The Companies)
- Site AOC3 boundary
- Las Vegas Wash

- TIMET proposed slurry wall September 2008
- Tronox groundwater recharge trench
- Tronox slurry wall
- Street
- Concentration contour (dashed where inferred)
- M-10 620 Monitoring well designation Result (ug/L)

BMI Common Areas (Eastside) Henderson, Nevada		
FIGURE 10 Carbon Tetrachloride Shallow Zone Layer 2		
Prepared by: DBS&A AFM	Date 05-03-10	S:\PROJECTS\BRC\ES09.0281_BRC_WH_AND_PRE-CSM_TASKS\GIS\MXDS\CHEMISTRY\ LAYER_MODEL\carbon_tetrachloride_LAYER2.MXD 016040



Explanation

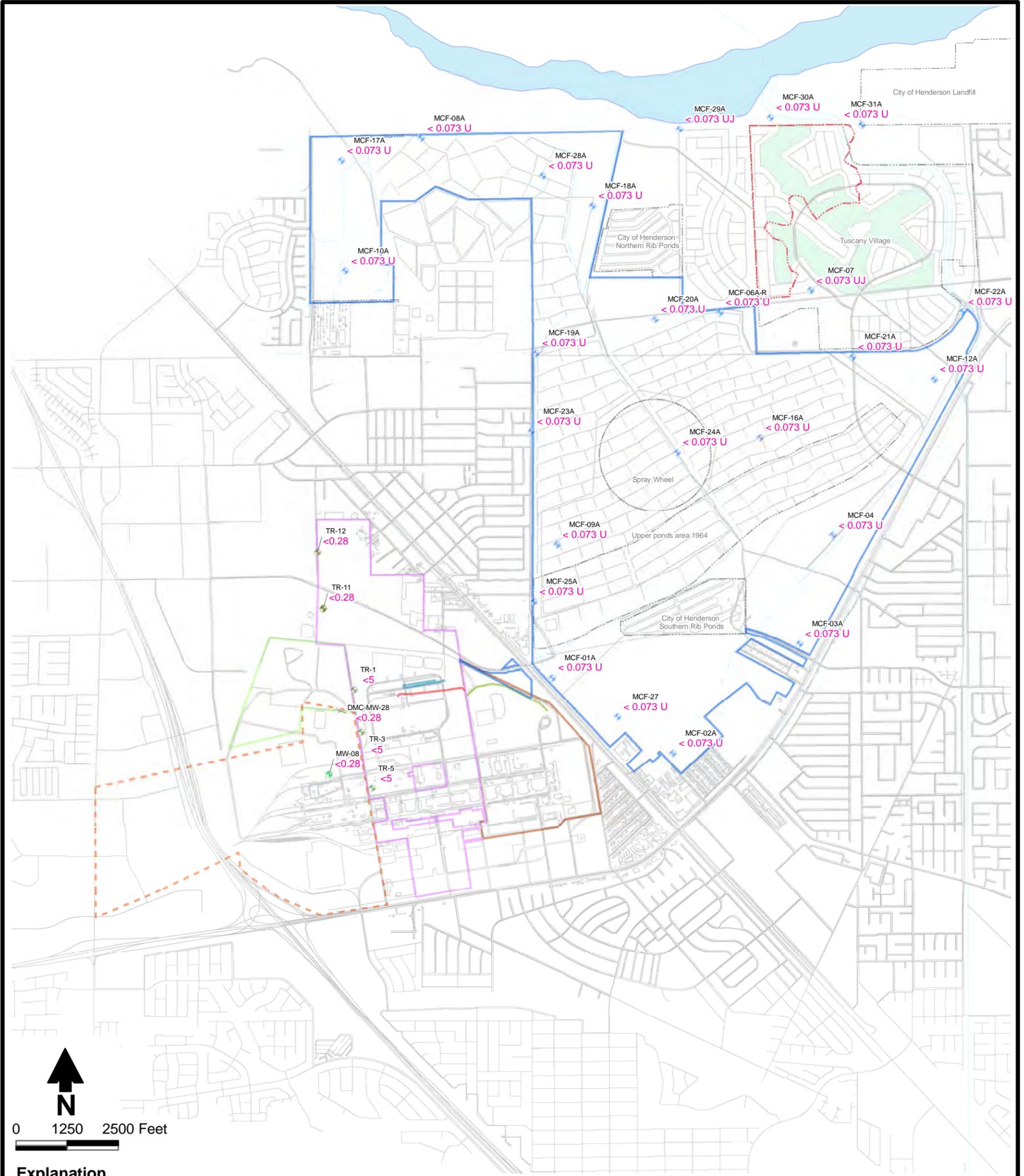
Well Site - Date of Data

- Site not known - 2008
- ◆ BRC - 2009
- Montrose - 2008
- ◆ Montrose - 2009
- Stauffer - 2008
- ◆ TIMET - 2008
- ◆ Tronox - 2006

- Site boundary
- Gravel pit circa 1976
- Source: Aerial photograph dated 1976
- TIMET boundary
- Tronox boundary
- POSSM (The Companies)
- Site AOC3 boundary
- Las Vegas Wash

- TIMET proposed slurry wall September 2008
- Tronox groundwater recharge trench
- Tronox slurry wall
- Street
- MW-01 14 Monitoring well designation Result (ug/L)

BMI Common Areas (Eastside) Henderson, Nevada		
FIGURE 11 Carbon Tetrachloride Middle Zone		
DBS&A AFM	Date 05-03-10	Daniel B. Stephens & Associates, Inc. Basic Remediation COMPANY
S:\PROJECTS\BRC\ES09.0281_BRC_WH_AND_PRE-CSM_TASKS\GIS\MXDS\CHEMISTRY\ LAYER_MODEL\carbon_tetrachloride_middle.MXD 016040		



Explanation

Well Site - Date of Data

- ◆ Site not known - 2009
- ◆ BRC - 2009
- ◆ City of Henderson, Nevada - 2008
- ◆ Kerr-McGee - 2008
- ◆ Kerr-McGee - 2009
- ◆ Montrose - 2009

- Site boundary
- Gravel pit circa 1976
- Source: Aerial photograph dated 1976
- TIMET boundary
- Tronox boundary
- POSSM (The Companies)
- Site AOC3 boundary
- Las Vegas Wash

- TIMET proposed slurry wall September 2008
- Tronox groundwater recharge trench
- Tronox slurry wall
- Street
- TR-9
12 Monitoring well designation Result (ug/L)

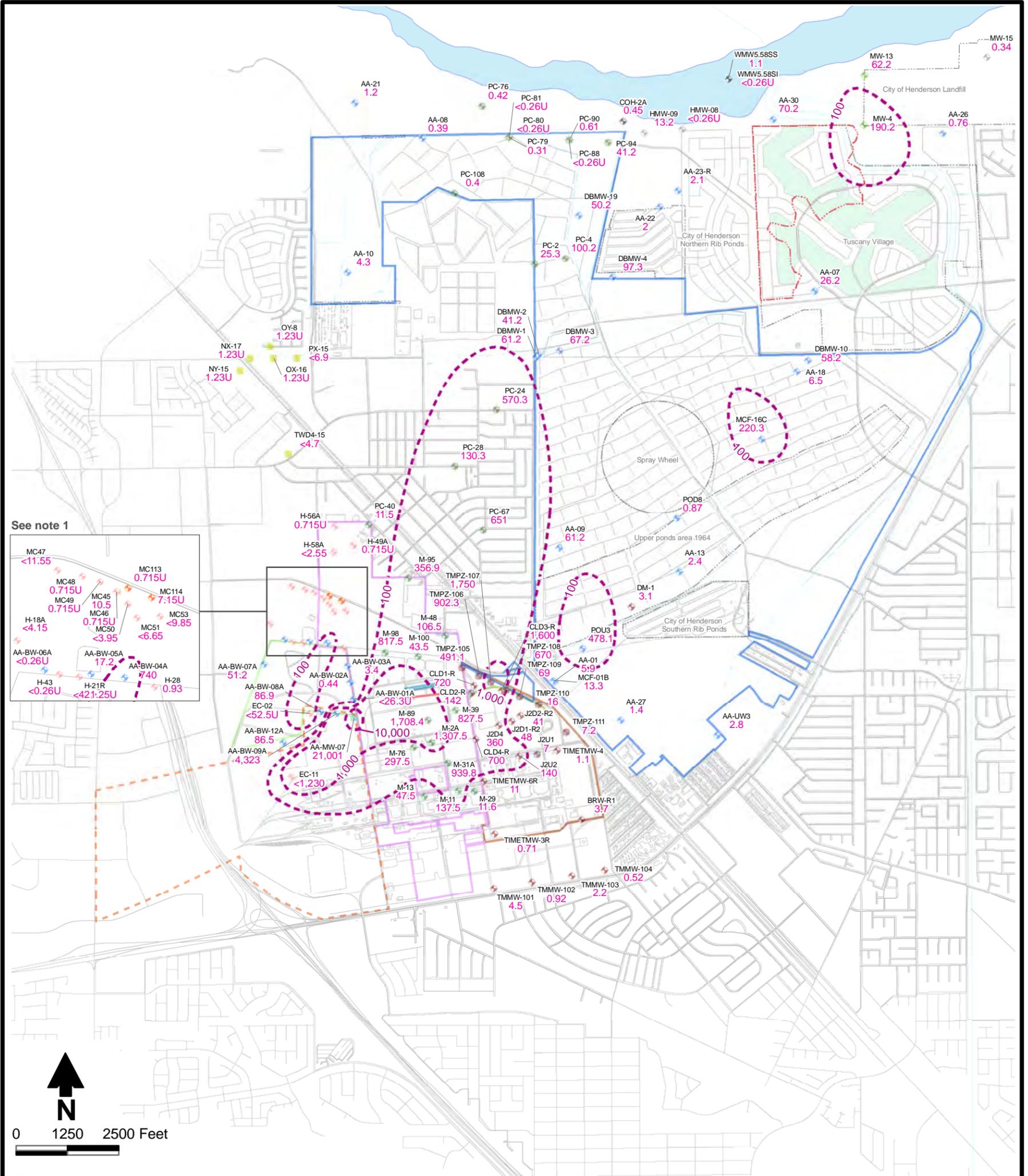
**BMI Common Areas (Eastside)
Henderson, Nevada**

**FIGURE 12
Carbon Tetrachloride
Deep Zone**

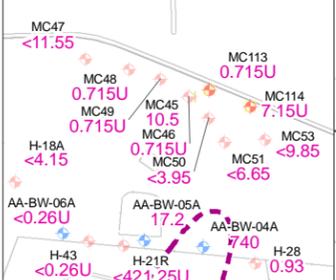


Prepared by: **DBS&A** AFM Date: 05-03-10

S:\PROJECTS\BRC\ES09.0281_BRC_WH_AND_PRE-CSM_TASKS\GIS\MXDS\CHEMISTRY\ LAYER_MODEL\carbon_tetrachloride_deep.MXD 016040



See note 1



Explanation

Well Site - Date of Data

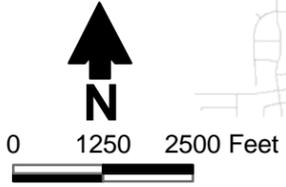
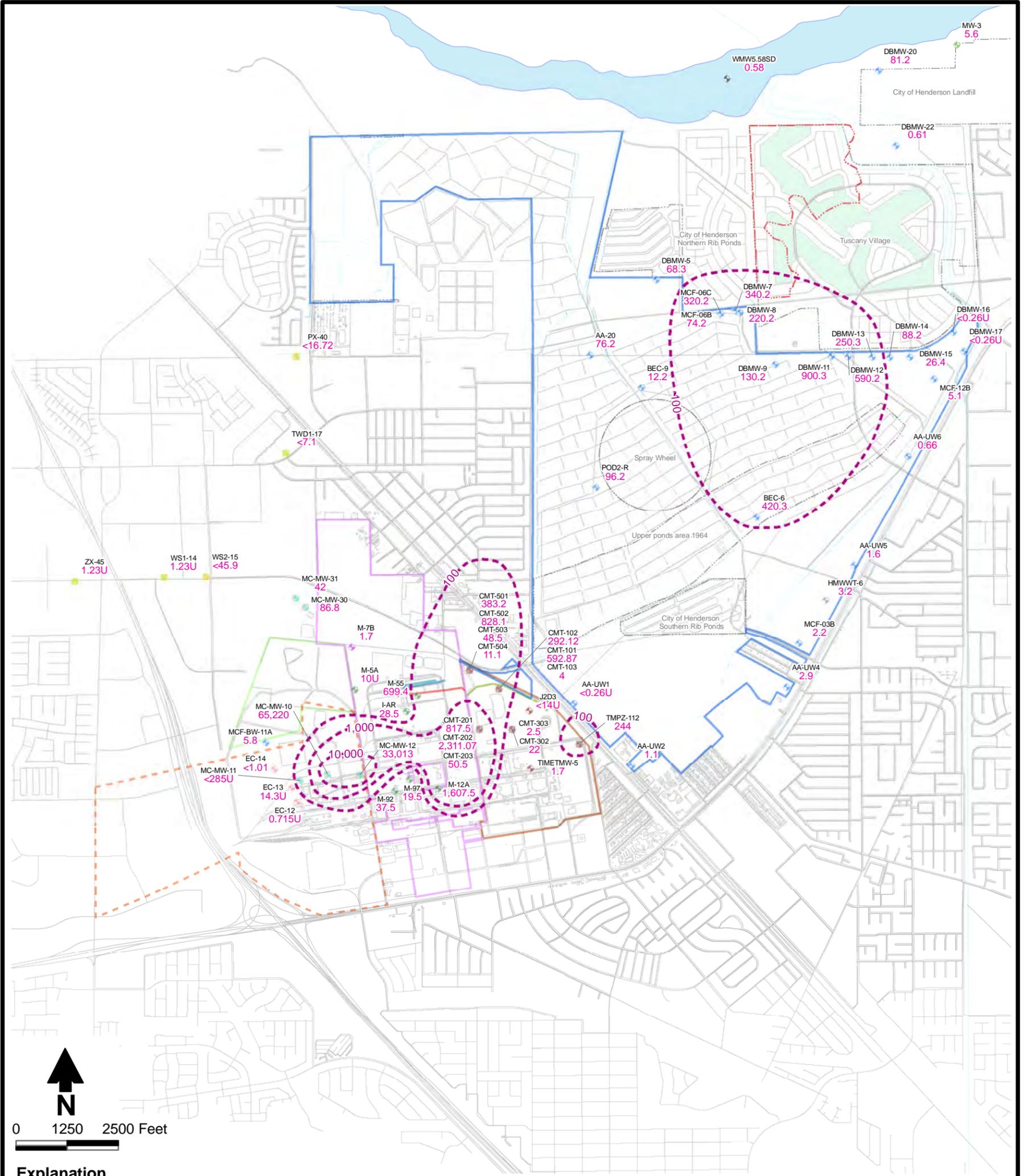
- ◆ Site not known - 2009
- ◆ AMPAC - 2004
- ◆ BRC - 2009
- ◆ City of Henderson - 2009
- ◆ Kerr-McGee - 2006
- ◆ Kerr-McGee - 2009
- ◆ Montrose - 2009
- ◆ OSM - 2009
- ◆ SNWA - 2009
- ◆ Stauffer - 2006
- ◆ Stauffer - 2009
- ◆ TIMET, 2006
- ◆ TIMET - 2008
- ◆ TIMET - 2009

- Site boundary
- Gravel pit circa 1976
- Source: Aerial photograph dated 1976
- TIMET boundary
- Tronox boundary
- POSSM (The Companies)
- Site AOC3 boundary
- Las Vegas Wash

- TIMET proposed slurry wall September 2008
- Tronox groundwater recharge trench
- Tronox slurry wall
- Street
- Concentration contour (dashed where inferred)
- MW-02 3.7 Monitoring well designation Result (ug/L)

Notes:
1. POSSM Groundwater Extraction/Air Stripping/Re-injection System

<p>BMI Common Areas (Eastside) Henderson, Nevada</p>		
<p>FIGURE 13 TTHMs Shallow Zone Layer 1</p>		
Prepared by: DBS&A AFM	Date: 05-03-10	S:\PROJECTS\BRC\ES09.0281_BRC_WH_AND_PRE-CSM_TASKS\GIS\MXDS\CHEMISTRY\ LAYER_MODEL\TTHMS_LAYER1.MXD 013050



Explanation

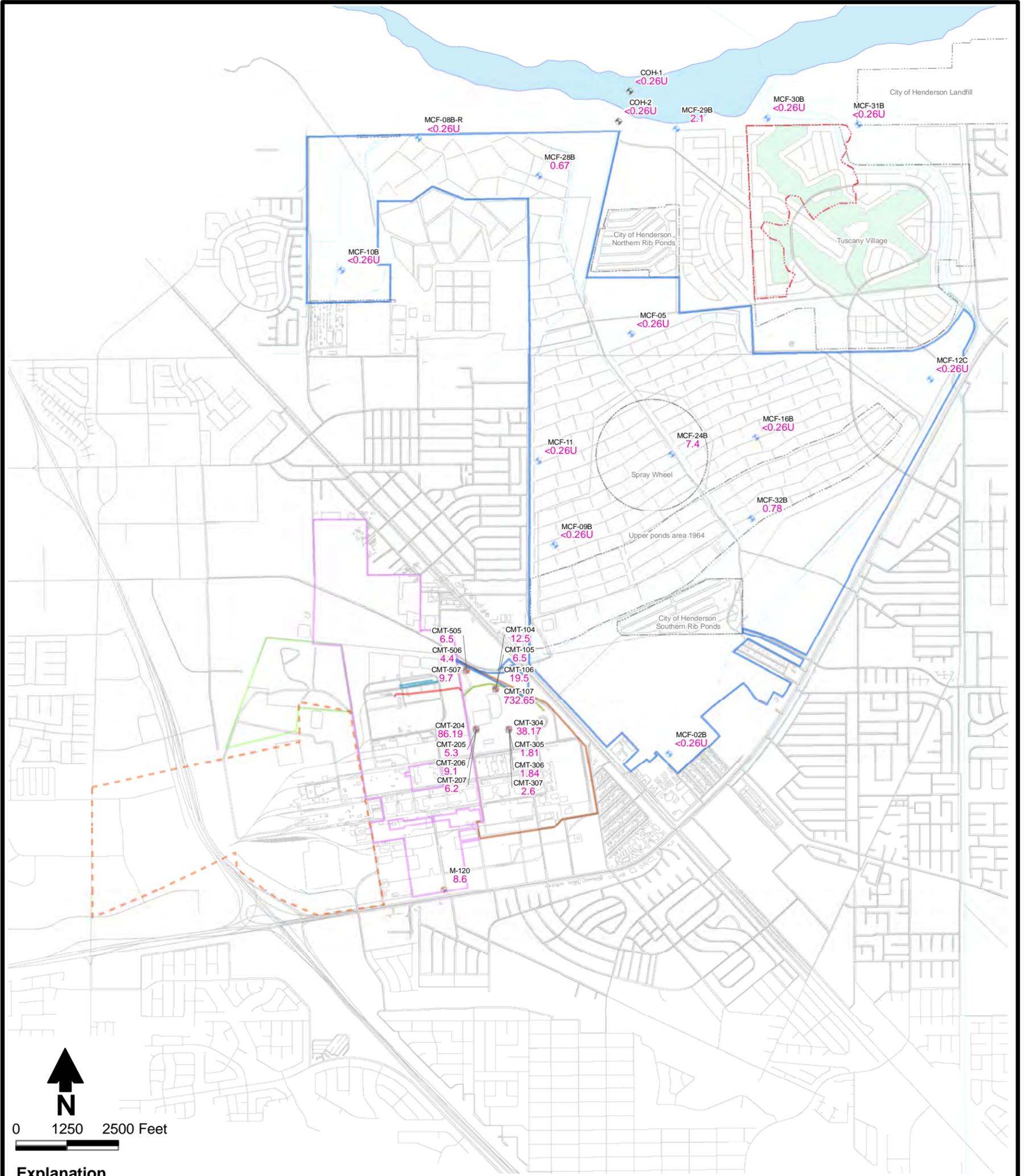
Well Site - Date of Data

- ◆ Site not known - 2009
- ◆ AMPAC - 2004
- ◆ BRC - 2009
- ◆ City of Henderson - 2009
- ◆ Kerr-McGee - 2006
- ◆ Montrose - 2009
- ◆ SNWA - 2009
- ◆ Stauffer - 2009
- ◆ TIMET - 2006
- ◆ TIMET - 2008
- ◆ TIMET - 2009
- ◆ TRONOX - 2009

- Site boundary
- Gravel pit circa 1976
- Source: Aerial photograph dated 1976
- TIMET boundary
- Tronox boundary
- POSSM (The Companies)
- Site AOC3 boundary
- Las Vegas Wash

- TIMET proposed slurry wall September 2008
- Tronox groundwater recharge trench
- Tronox slurry wall
- Street
- Concentration contour (dashed where inferred)
- EC-13 3 Monitoring well designation Result (ug/L)

<p>BMI Common Areas (Eastside) Henderson, Nevada</p>	
<p>FIGURE 14 TTHMs Shallow Zone Layer 2</p>	
<p>Prepared by: DBS&A AFM</p>	<p>Date 05-06-10</p>
<p>S:\PROJECTS\BRC\ES09.0281_BRC_WH_AND_PRE-CSM_TASKS\GIS\MXDS\CHEMISTRY\ LAYER_MODEL\TTHMS_LAYER2.MXD 013050</p>	



Explanation

Well Site - Date of Data

- AMPAC - 2004
- ◆ BRC - 2009
- ◆ SNWA - 2009
- ◆ TIMET - 2008
- ◆ Tronox - 2006

- Site boundary
- Gravel pit circa 1976
- Source: Aerial photograph dated 1976
- TIMET boundary
- Tronox boundary
- POSSM (The Companies)
- Site AOC3 boundary
- Las Vegas Wash

- TIMET proposed slurry wall September 2008
- Tronox groundwater recharge trench
- Tronox slurry wall
- Street
- M-120 8.6 Monitoring well designation Result (ug/L)

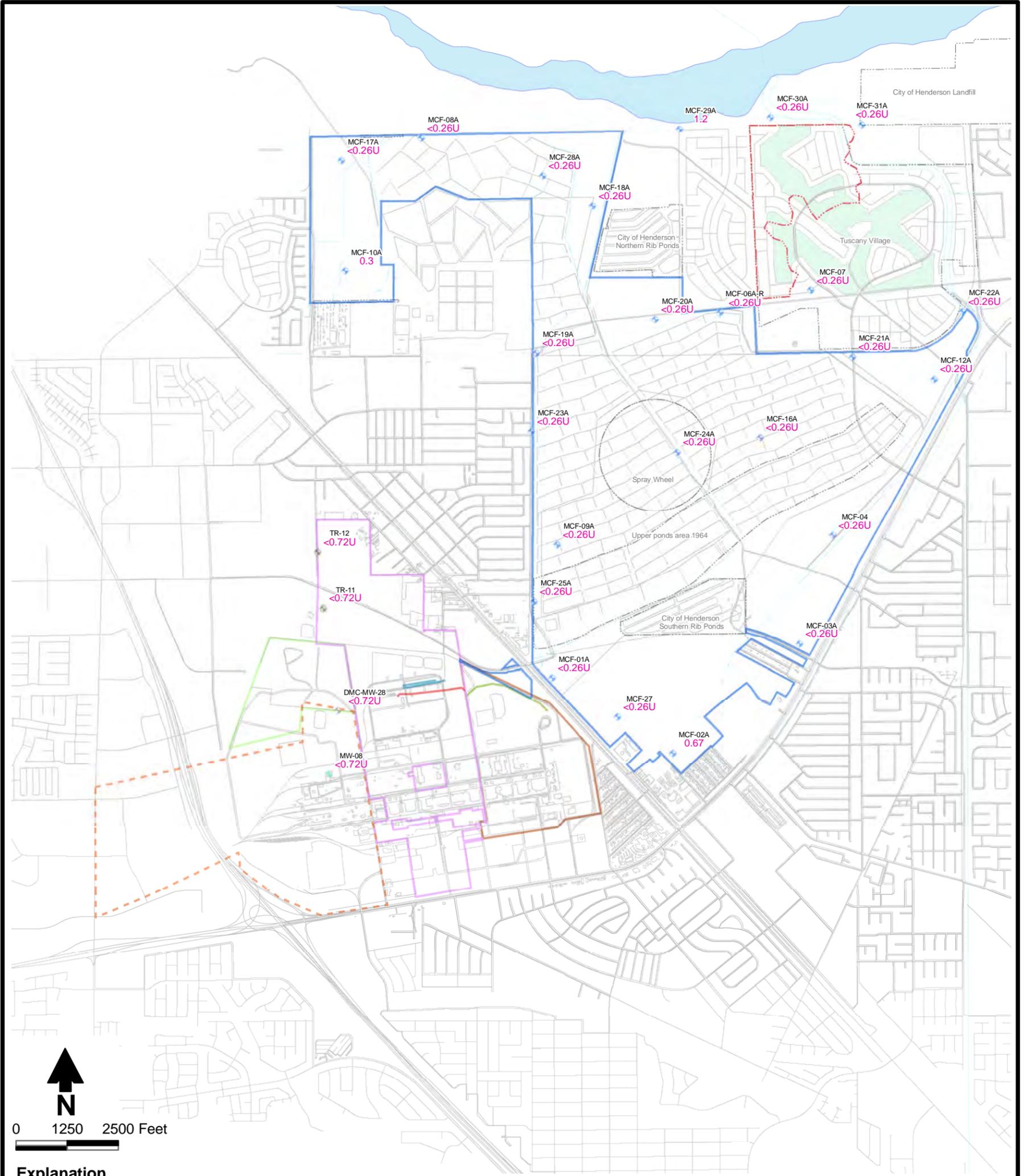
**BMI Common Areas (Eastside)
Henderson, Nevada**

**FIGURE 15
TTHMs
Middle Zone**



Prepared by: **DBS&A** AFM Date: 05-06-10

S:/PROJECTS/BRC/ES09.0281_BRC_WH_AND_PRE-CSM_TASKS/GIS/MXDS/CHEMISTRY/LAYER_MODEL/TTHMS_MIDDLE.MXD 016240



Explanation

Well Site - Date of Data

- ◆ Site not known - 2009
- ◆ BRC - 2009
- ◆ Kerr-McGee - 2009
- ◆ Montrose - 2009

- Site boundary
- Gravel pit circa 1976
- Source: Aerial photograph dated 1976
- TIMET boundary
- Tronox boundary
- POSSM (The Companies)
- Site AOC3 boundary
- Las Vegas Wash

- TIMET proposed slurry wall September 2008
- Tronox groundwater recharge trench
- Tronox slurry wall
- Street
- MCF-02A 0.67 Monitoring well designation Result (ug/L)

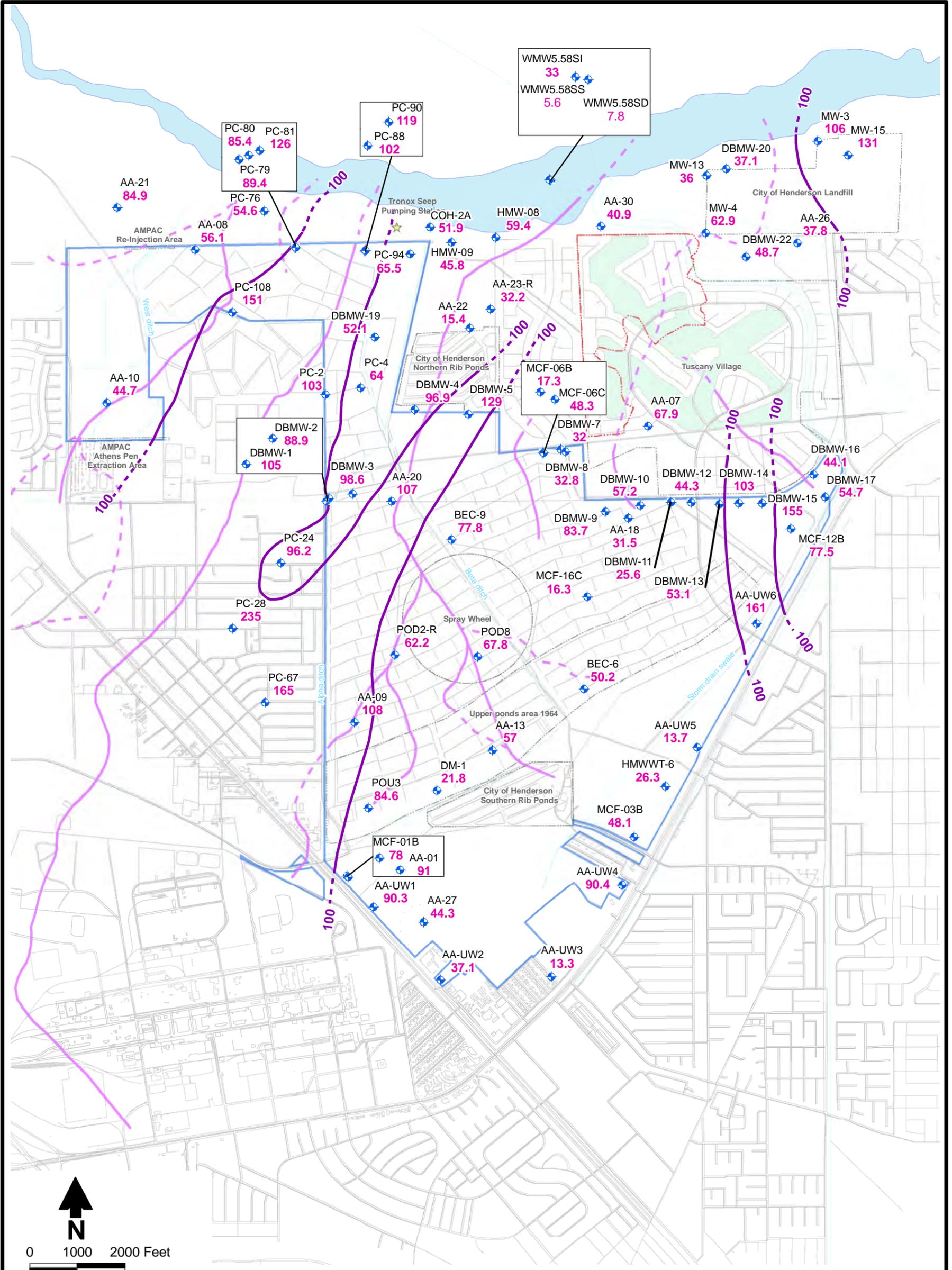
**BMI Common Areas (Eastside)
Henderson, Nevada**

**FIGURE 16
TTHMs
Deep Zone**



Prepared by: **DBS&A** AFM Date: 05-06-10

S:\PROJECTS\BRC\ES09.0281_BRC_WH_AND_PRE-CSM_TASKS\GIS\MXDS\CHEMISTRY\ LAYER_MODEL\TTHMS_DEEP.MXD 016040



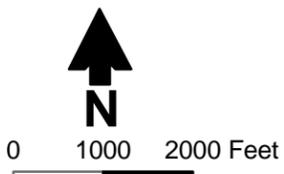
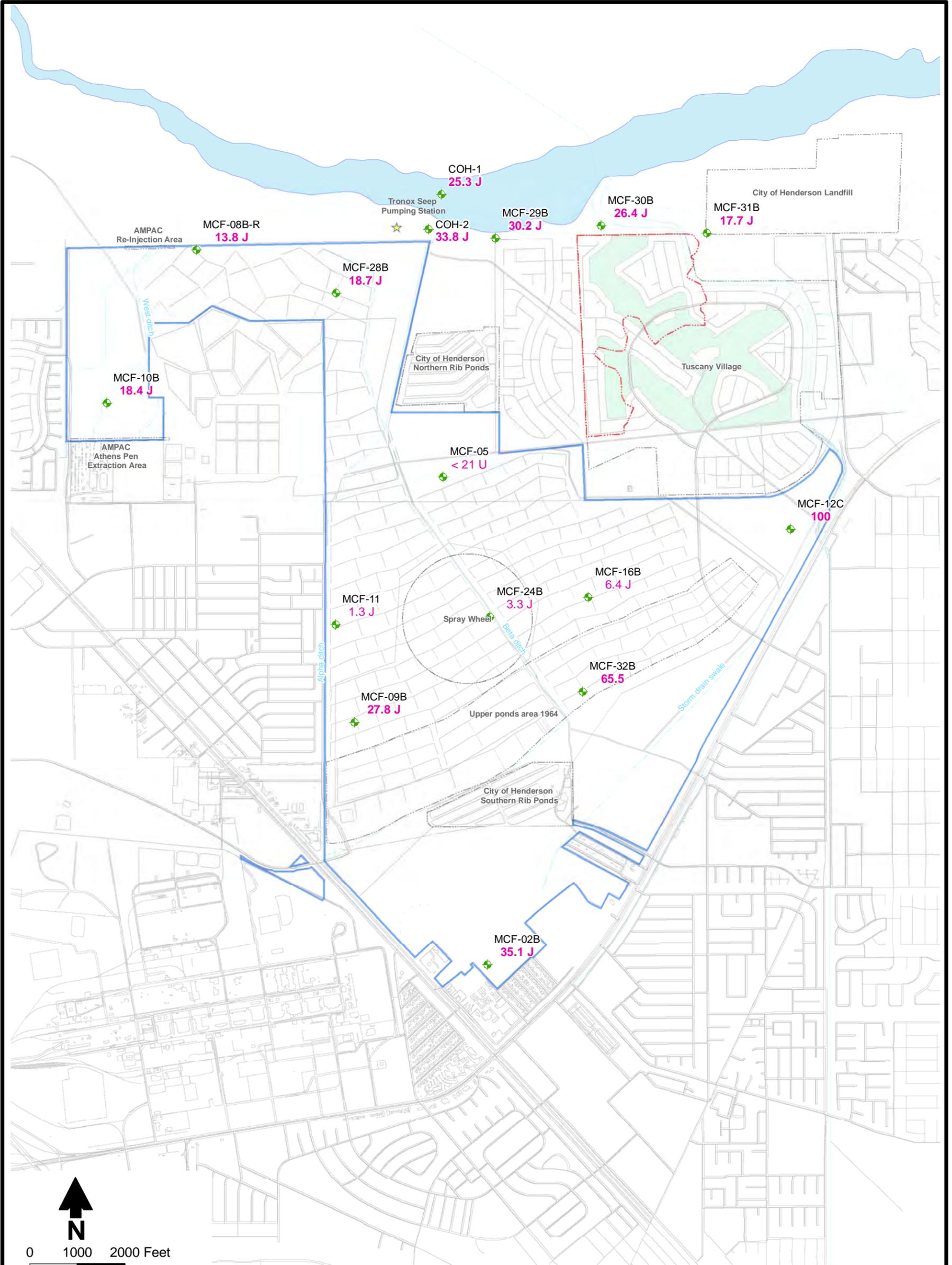
Explanation

- ◆ Shallow Zone monitoring well
- Site boundary
- Gravel pit circa 1976
Source: Aerial photograph dated 1976
- Las Vegas Wash
- Streets
- Interpreted paleochannel location
- Concentration contour (dashed where inferred)
- AA-27 44.3 Monitoring well designation Result (ug/L)

Notes:

1. Data posted are from Eastside 2009 Sampling Event
2. Nevada Basic Comparison Level (BCL) = 10 ug/L
3. **Bold** indicates value exceeds BCL

<p>BMI Common Areas (Eastside) Henderson, Nevada</p>	
<p>FIGURE 17 Arsenic Shallow Zone</p>	
<p>Prepared by: DBS&A CRS</p>	<p>Date: 02-23-10</p>
<p>S:/PROJECTS/BRC/ES09.0281_BRC_WH_AND_PRE-CSM_TASKS/GIS/MXDS/CHEMISTRY/ARSENIC_2009_SHALLOW.MXD 906121</p>	

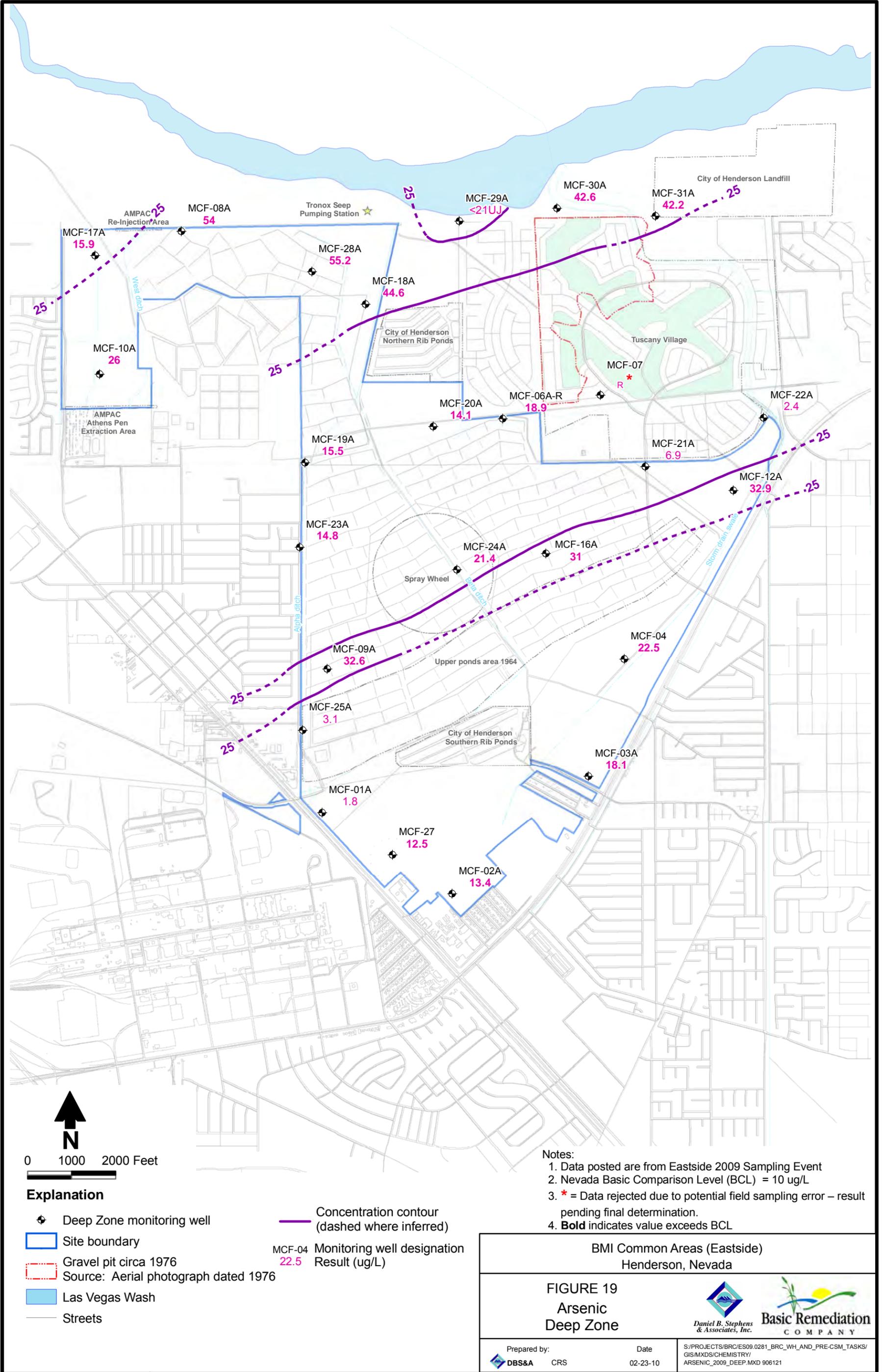


Explanation

- Middle Zone monitoring well
- Site boundary
- Gravel pit circa 1976
Source: Aerial photograph dated 1976
- Las Vegas Wash
- Streets
- MCF-09B Monitoring well designation
- 27.8 Result (ug/L)

- Notes:
1. Data posted are from Eastside 2009 Sampling Event
 2. Nevada Basic Comparison Level (BCL) = 10 ug/L
 3. **Bold** indicates value exceeds BCL

BMI Common Areas (Eastside) Henderson, Nevada		
FIGURE 18 Arsenic Middle Zone		
Prepared by: DBS&A CRS	Date: 02-23-10	S:/PROJECTS/BRC/ES09.0281_BRC_WH_AND_PRE-CSM_TASKS/ GIS/MXDS/CHEMISTRY/ ARSENIC_2009_MIDDLE.MXD 906121

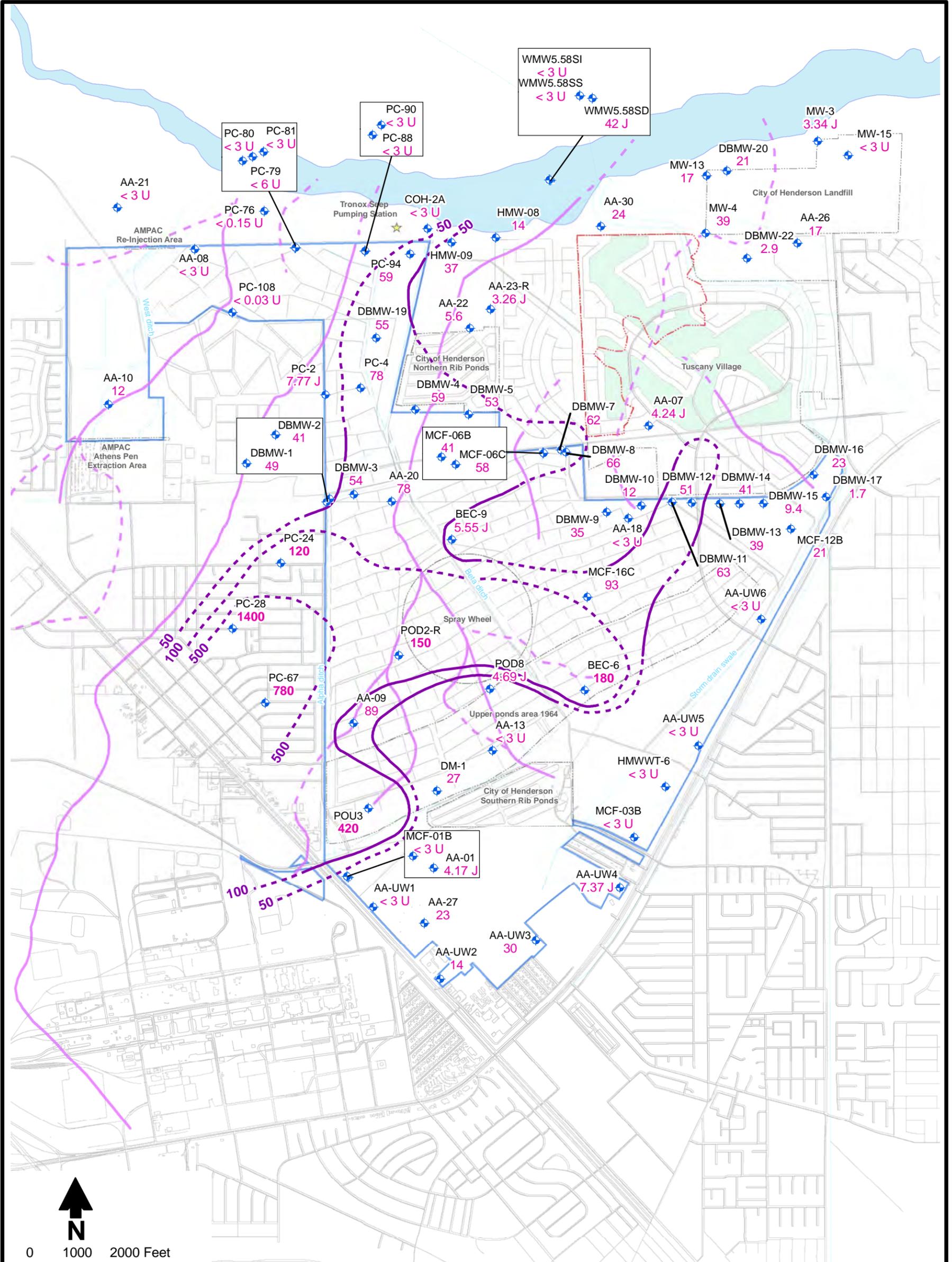


0 1000 2000 Feet

Explanation

- ◆ Deep Zone monitoring well
- Site boundary
- ▭ Gravel pit circa 1976
Source: Aerial photograph dated 1976
- Las Vegas Wash
- Streets
- Concentration contour
(dashed where inferred)
- MCF-04
22.5 Monitoring well designation
Result (ug/L)





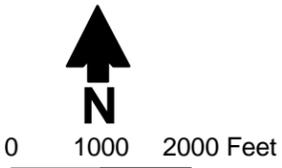
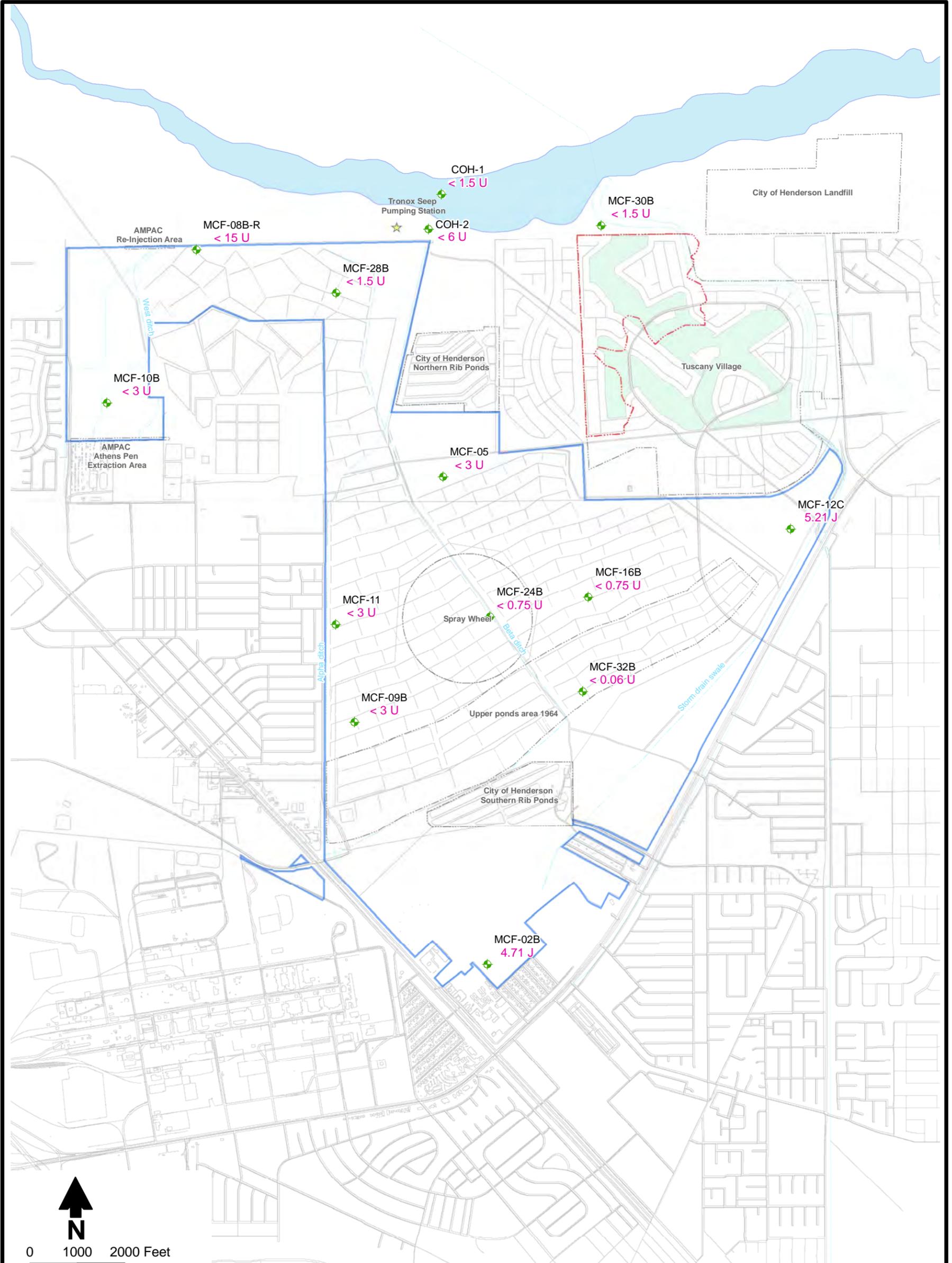
0 1000 2000 Feet

Explanation

- ◆ Shallow Zone monitoring well
- Site boundary
- Gravel pit circa 1976
Source: Aerial photograph dated 1976
- Las Vegas Wash
- Streets
- Interpreted paleochannel location
- - - Concentration contour (dashed where inferred)
- ◆ Monitoring well designation
- 23 Result (ug/L)

- Notes:
1. Data posted are from Eastside 2009 Sampling Event
 2. MCL = 100 ug/L
 3. Nevada Basic Comparison Level (BCL) = 100 ug/L
 4. **Bold** indicates value exceeds MCL/BCL

<p>BMI Common Areas (Eastside) Henderson, Nevada</p>	
<p>FIGURE 20 Hexavalent Chromium (Cr(VI)) Shallow Zone</p>	
Prepared by: DBS&A CRS	Date: 02-23-10
S:/PROJECTS/BRC/ES09.0281_BRC_WH_AND_PRE-CSM_TASKS/GIS/MXDS/CHEMISTRY/CRVI_2009_SHALLOW.MXD 906121	



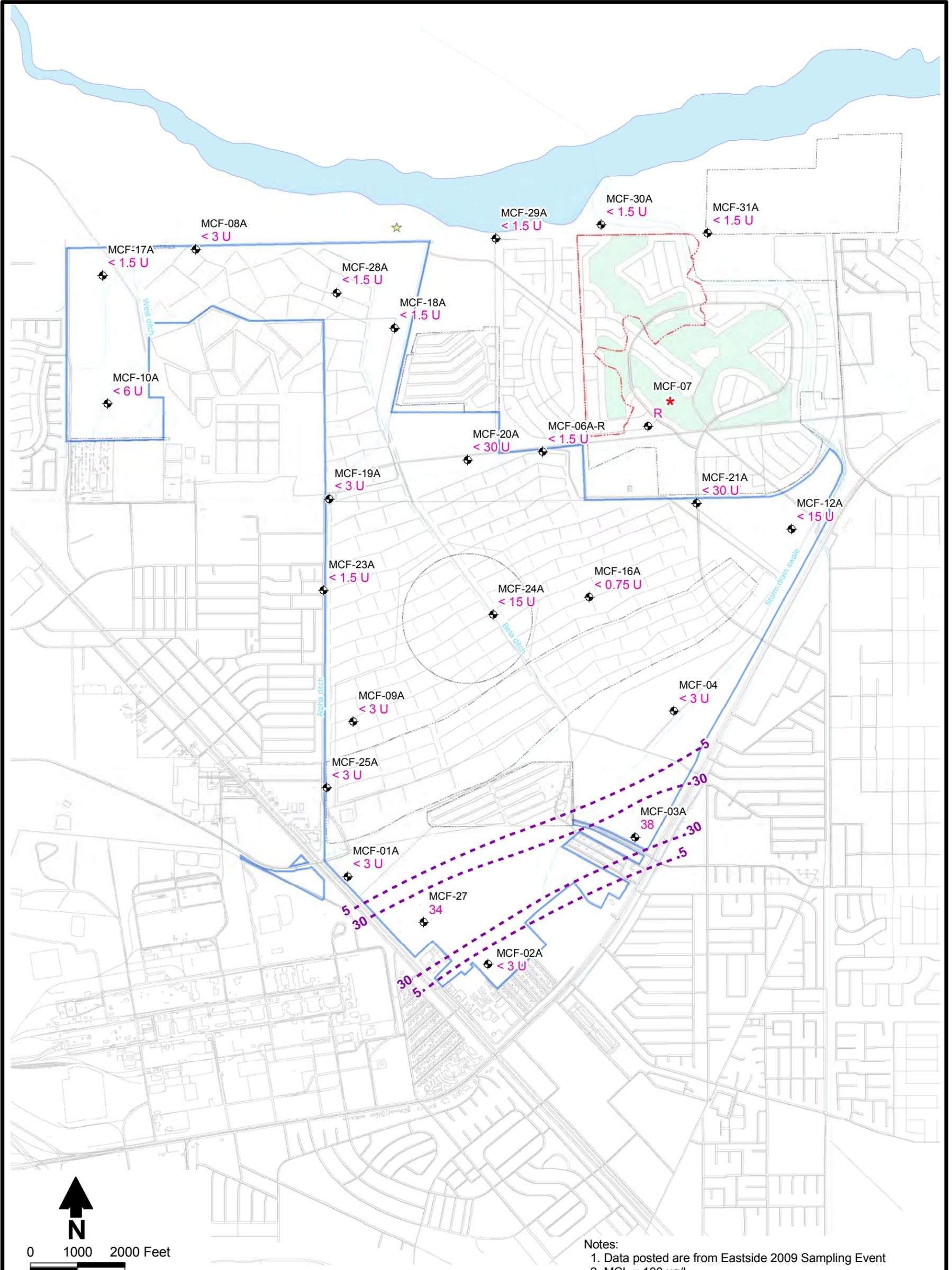
Explanation

- Middle Zone monitoring well
- Site boundary
- Gravel pit circa 1976
Source: Aerial photograph dated 1976
- Las Vegas Wash
- Streets
- MCF-09B Monitoring well designation
< 3U Result (ug/L)

Notes:

1. Data posted are from Eastside 2009 Sampling Event
2. MCL = 100 ug/L
3. Nevada Basic Comparison Level (BCL) = 100 ug/L

<p>BMI Common Areas (Eastside) Henderson, Nevada</p>	
<p>FIGURE 21 Hexavalent Chromium (Cr(VI)) Middle Zone</p>	
<p>Prepared by: DBS&A CRS</p>	<p>Date: 02-23-10</p>
<p>S:\PROJECTS\BRC\ES09.0281_BRC_WH_AND_PRE-CSM_TASKS\GIS\MXDS\CHEMISTRY\CRVI_2009_MIDDLE.MXD 906121</p>	



0 1000 2000 Feet

Explanation

- ◆ Deep Zone monitoring well
- Site boundary
- ▭ Gravel pit circa 1976
Source: Aerial photograph dated 1976
- ▭ Las Vegas Wash
- Concentration contour
(dashed where inferred)
- MCF-24A Monitoring well designation
< 15 U Result (ug/L)

Notes:

1. Data posted are from Eastside 2009 Sampling Event
2. MCL = 100 ug/L
3. Nevada Basic Comparison Level (BCL) = 100 ug/L
4. * = Data rejected due to potential field sampling error – result pending final determination.

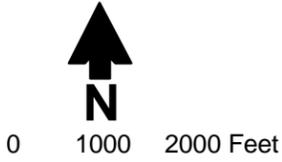
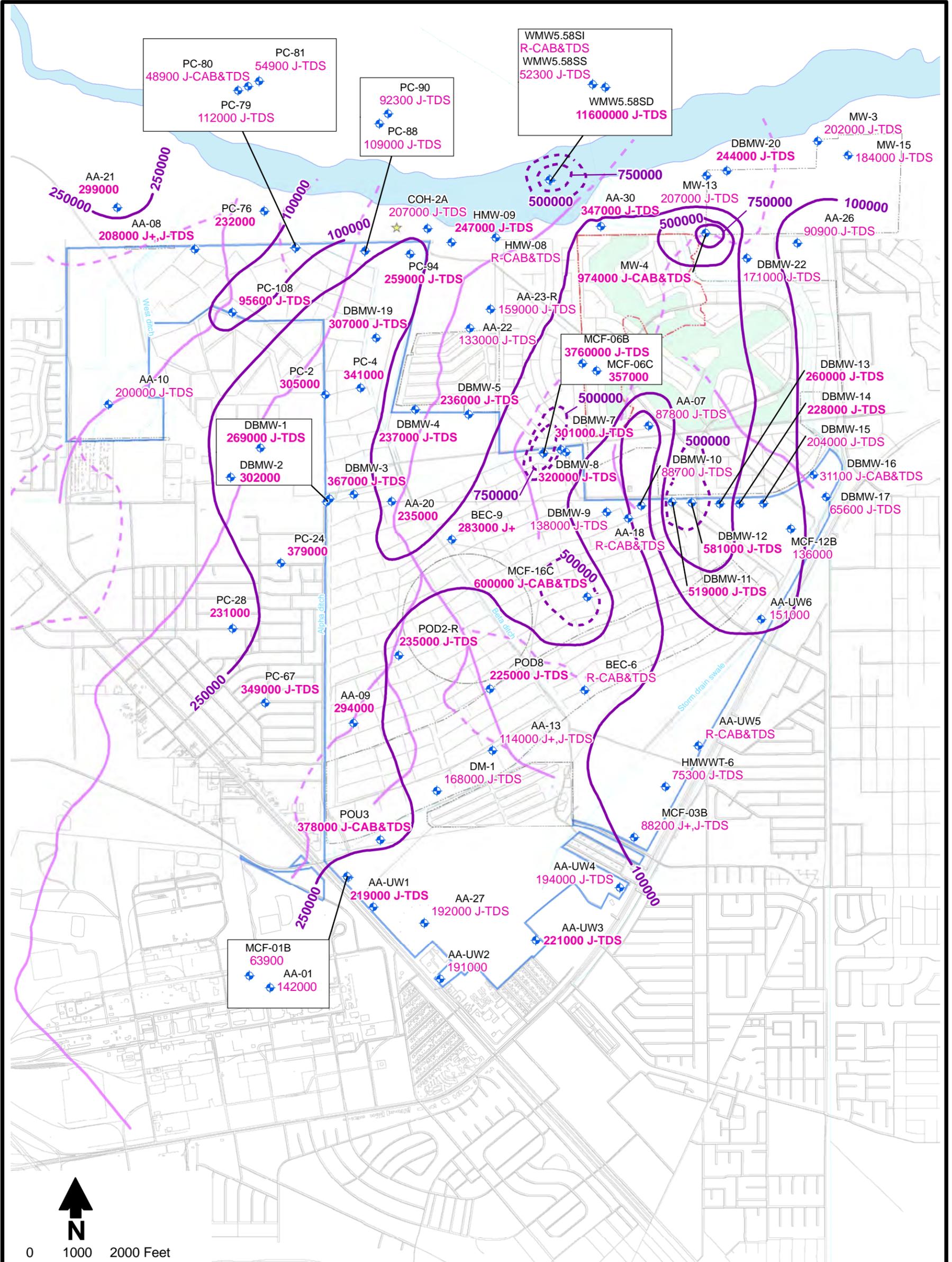
BMI Common Areas (Eastside)
Henderson, Nevada

FIGURE 22
Hexavalent Chromium (Cr(VI))
Deep Zone



Prepared by: DBS&A CRS Date: 02-23-10

S:/PROJECTS/BRC/ES09.0281_BRC_WH_AND_Pre_CSM_tasks/GIS/MXDS/CHEMISTRY/CRVI_DEEP.MXD 905011



Explanation

- ◆ Shallow Zone monitoring well
- Site boundary
- Gravel pit circa 1976
Source: Aerial photograph dated 1976
- Las Vegas Wash
- Streets
- Interpreted paleochannel location
- Concentration contour (dashed where inferred)
- ◆ Monitoring well designation
- ◆ Result (ug/L)

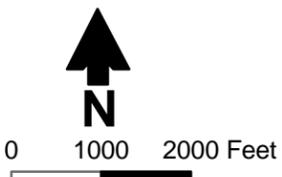
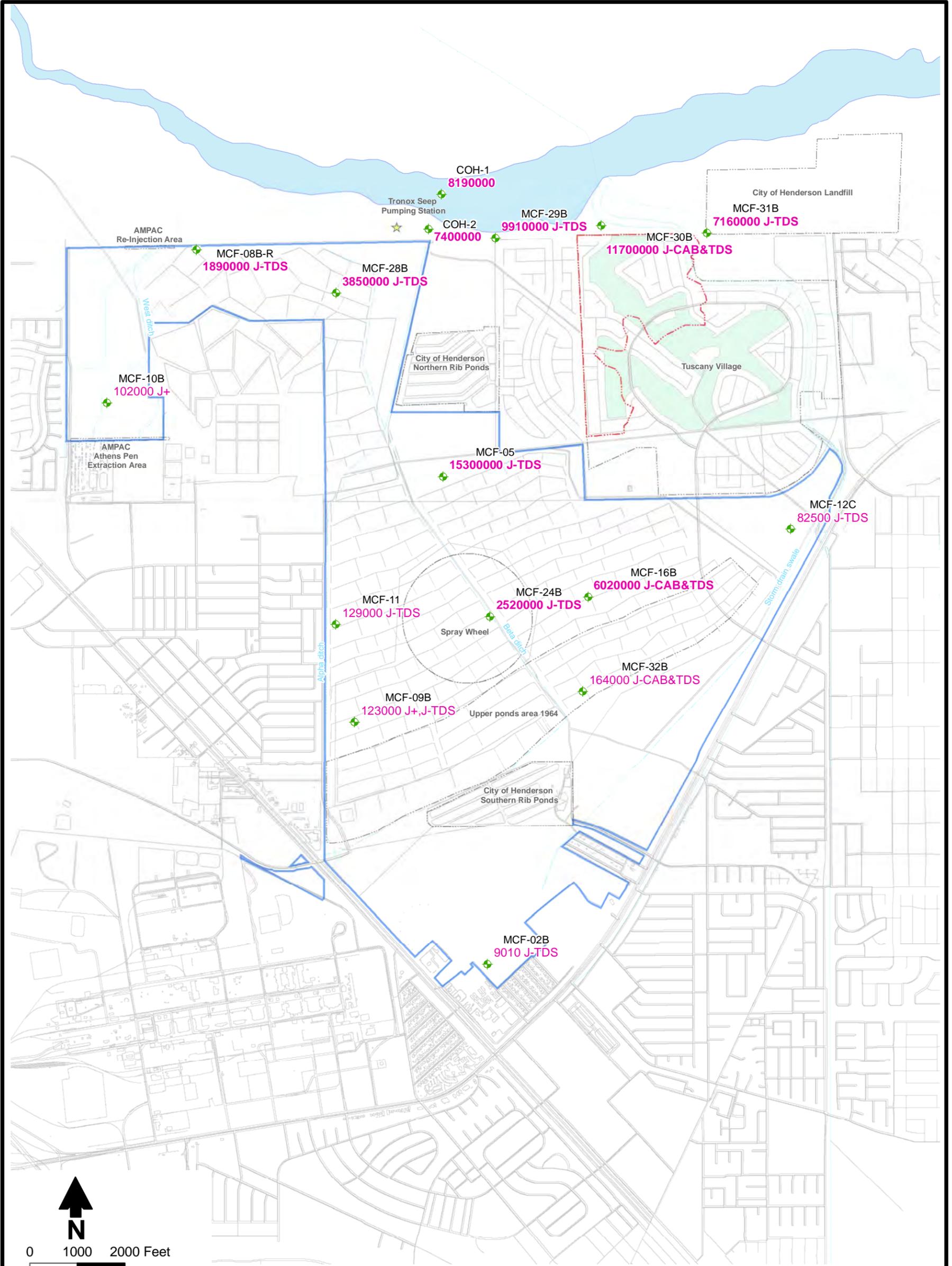
Notes:

1. Data posted are from Eastside 2009 Sampling Event
2. Nevada Basic Comparison Level (BCL) = 207,000 ug/L
3. **Bold** indicates value exceeds BCL

BMI Common Areas (Eastside)
Henderson, Nevada

FIGURE 23
Magnesium
Shallow Zone





Explanation

- Middle Zone monitoring well
- Site boundary
- Gravel pit circa 1976
Source: Aerial photograph dated 1976
- Las Vegas Wash
- Streets
- MCF-09B Monitoring well designation
- 123000 J+,J-TDS Result (ug/L)

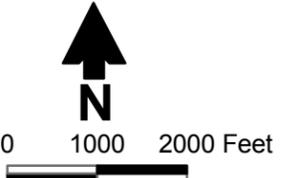
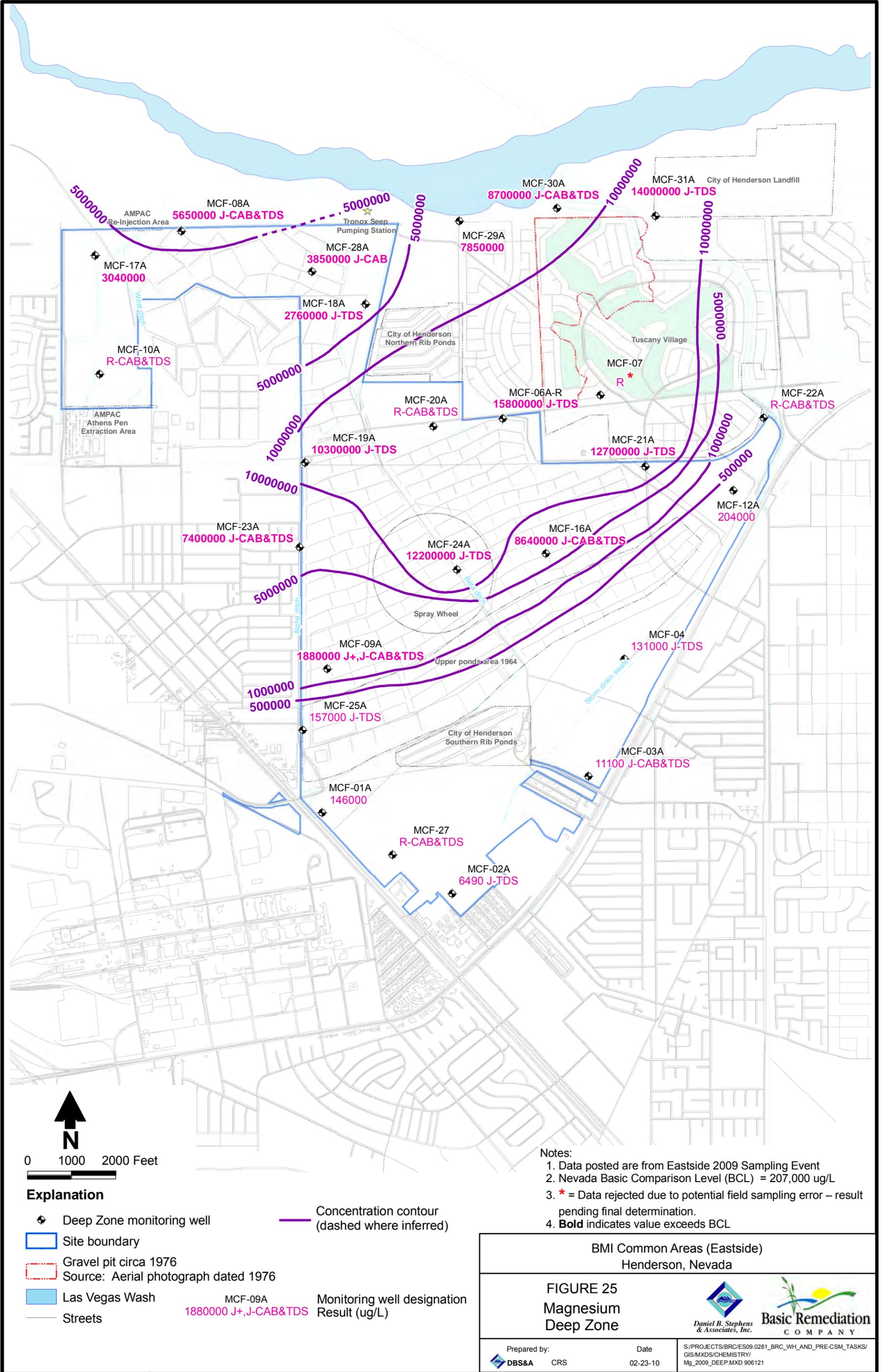
Notes:

1. Data posted are from Eastside 2009 Sampling Event
2. Nevada Basic Comparison Level (BCL) = 207,000 ug/L
3. **Bold** indicates value exceeds BCL

BMI Common Areas (Eastside)
Henderson, Nevada

FIGURE 24
Magnesium
Middle Zone



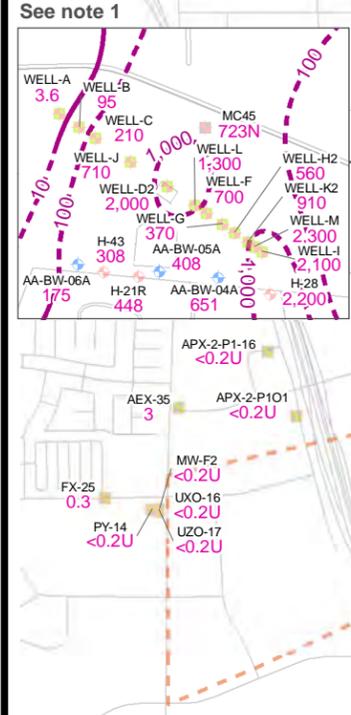
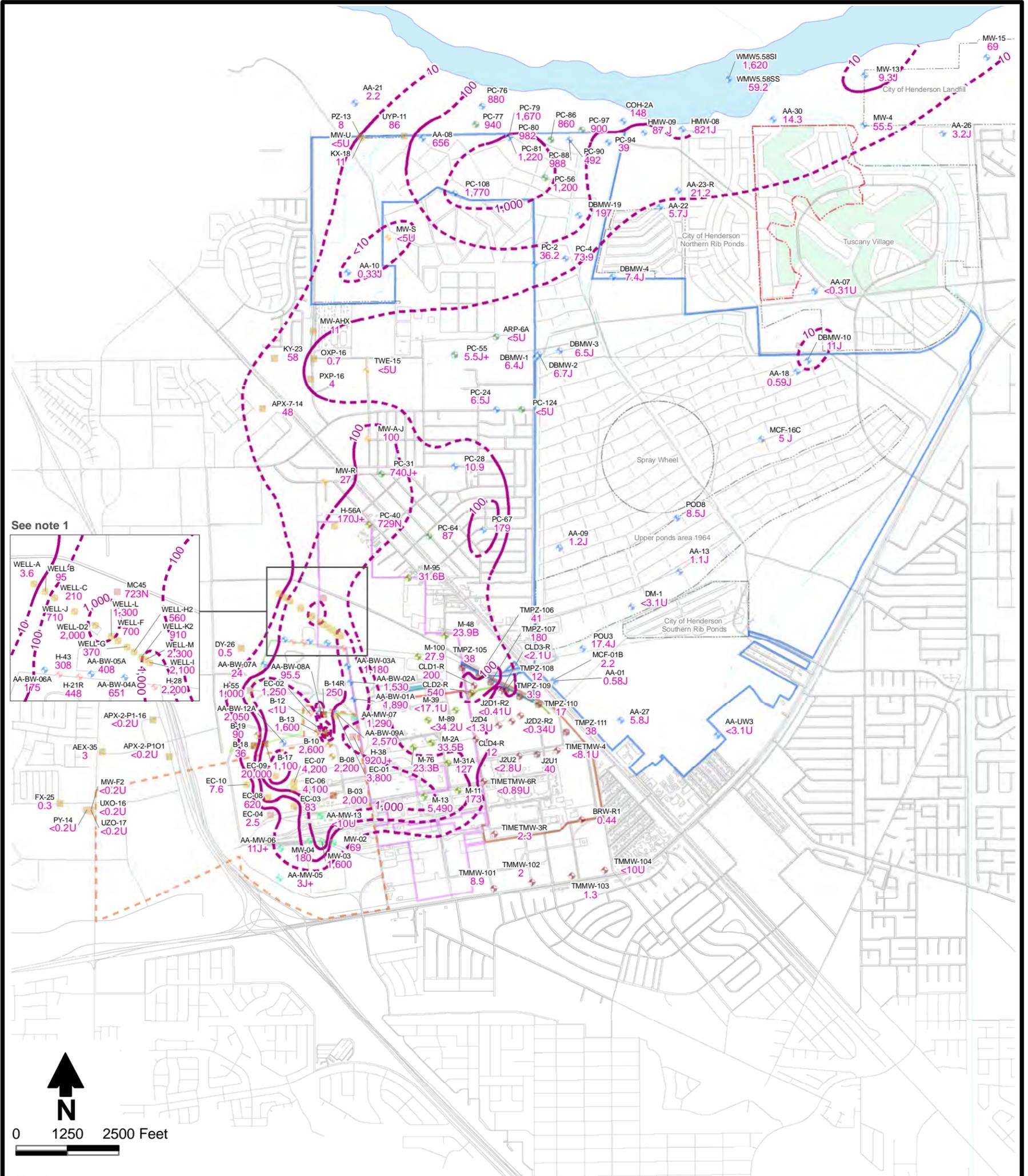


Explanation

- ◆ Deep Zone monitoring well
- Site boundary
- ▭ Gravel pit circa 1976
Source: Aerial photograph dated 1976
- ▭ Las Vegas Wash
- Streets
- Concentration contour (dashed where inferred)
- ◆ Monitoring well designation Result (ug/L)

- Notes:
1. Data posted are from Eastside 2009 Sampling Event
 2. Nevada Basic Comparison Level (BCL) = 207,000 ug/L
 3. * = Data rejected due to potential field sampling error – result pending final determination.
 4. **Bold** indicates value exceeds BCL

BMI Common Areas (Eastside) Henderson, Nevada	
FIGURE 25 Magnesium Deep Zone	
Prepared by: DBS&A CRS	Date: 02-23-10
S:/PROJECTS/BRC/ES09.0281_BRC_WH_AND_PRE-CSM_TASKS/GIS/MXDS/CHEMISTRY/Mg_2009_DEEP.MXD 906121	



Explanation	
Well Site - Date of Data	
AMPAC - 2005	Olin - 2006
AMPAC - 2006	Olin - 2007
BRC - 2009	Stauffer - 2006
Kerr-McGee - 2006	Stauffer - 2007
Kerr-McGee - 2007	Stauffer - 2009
Montrose - 2006	TIMET - 2006
Montrose - 2007	TIMET - 2007
Montrose - 2009	TIMET - 2008
	TIMET - 2009
Site boundary	TIMET proposed slurry wall September 2008
Gravel pit circa 1976	Tronox groundwater recharge trench
Source: Aerial photograph dated 1976	Tronox slurry wall
TIMET boundary	Street
Tronox boundary	Concentration contour (dashed where inferred)
POSSM (The Companies)	EC-04 2.5 Monitoring well designation Result (ug/L)
Site AOC3 boundary	
Las Vegas Wash	

Notes:
1. POSSM Groundwater Extraction/Air Stripping/Re-injection System

**BMI Common Areas (Eastside)
Henderson, Nevada**

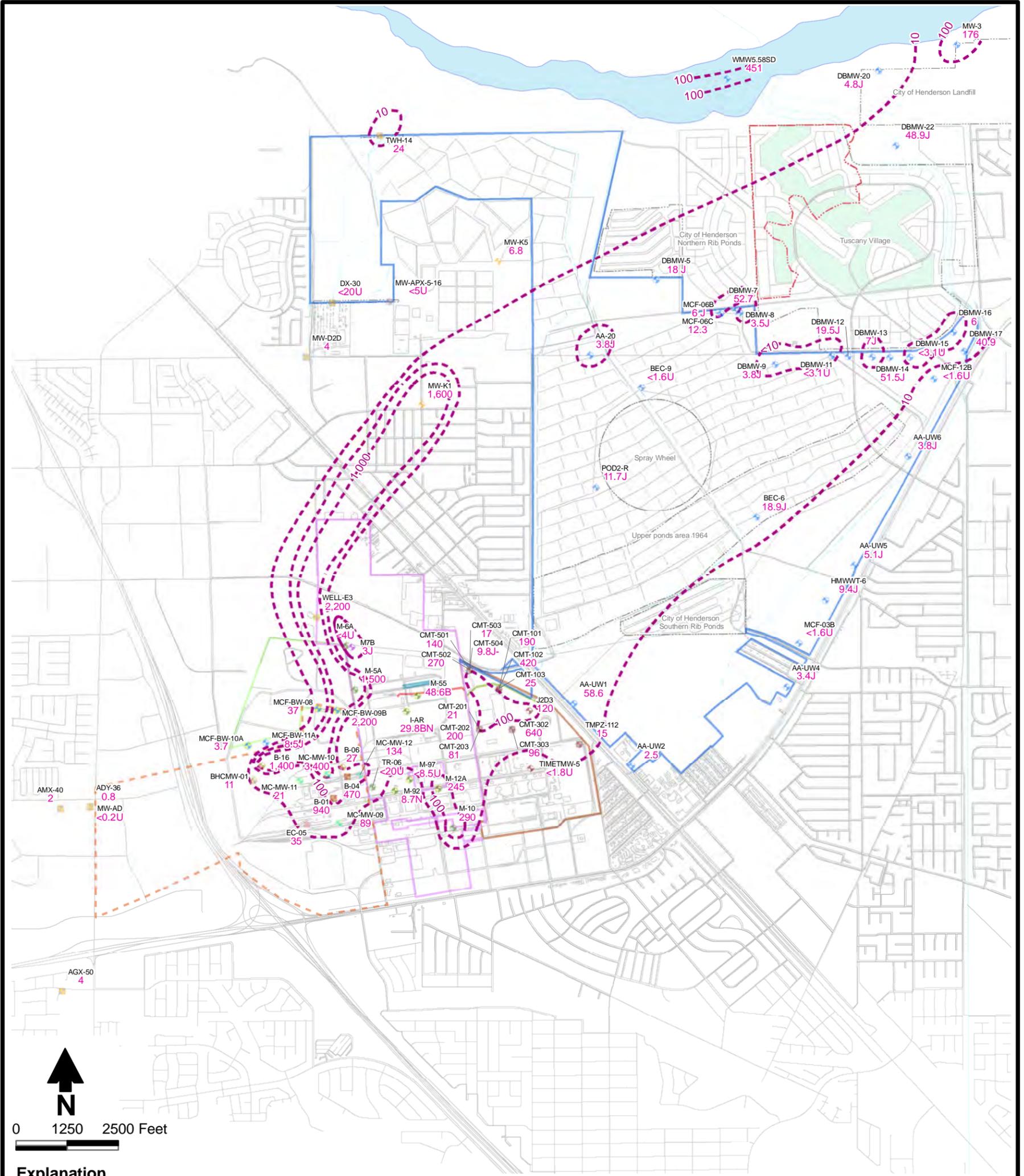
**FIGURE 26
Manganese
Shallow Zone Layer 1**

DBS&A
 AFM

Date
 05-06-10

**Basic Remediation
& Associates, Inc.**
 COMPANY

S:/PROJECTS/BRC/ES09.0281_BRC_WH_AND_PRE-CSM_TASKS/GIS/MXDS/CHEMISTRY/LAYER_MODEL/MANGANESE_LAYER1.MXD 016040



Explanation

Well Site - Date of Data

- Site not known - 2006
- Site not known - 2007
- AMPAC - 2005
- AMPAC - 2006
- BRC - 2007
- BRC - 2009
- Kerr-McGee - 2007
- Kerr-McGee - 2009

- Montrose - 2006
- Montrose - 2009
- Olin - 2006
- Olin - 2007
- Stauffer - 2006
- Stauffer - 2007
- TIMET - 2008
- TIMET - 2009
- Tronox - 2009

- Site boundary
- Gravel pit circa 1976
- Source: Aerial photograph dated 1976
- TIMET boundary
- Tronox boundary
- POSSM (The Companies)
- Site AOC3 boundary
- Las Vegas Wash

- TIMET proposed slurry wall September 2008
- Tronox groundwater recharge trench
- Tronox slurry wall
- Street
- Concentration contour (dashed where inferred)
- M-10 290 Monitoring well designation Result (ug/L)

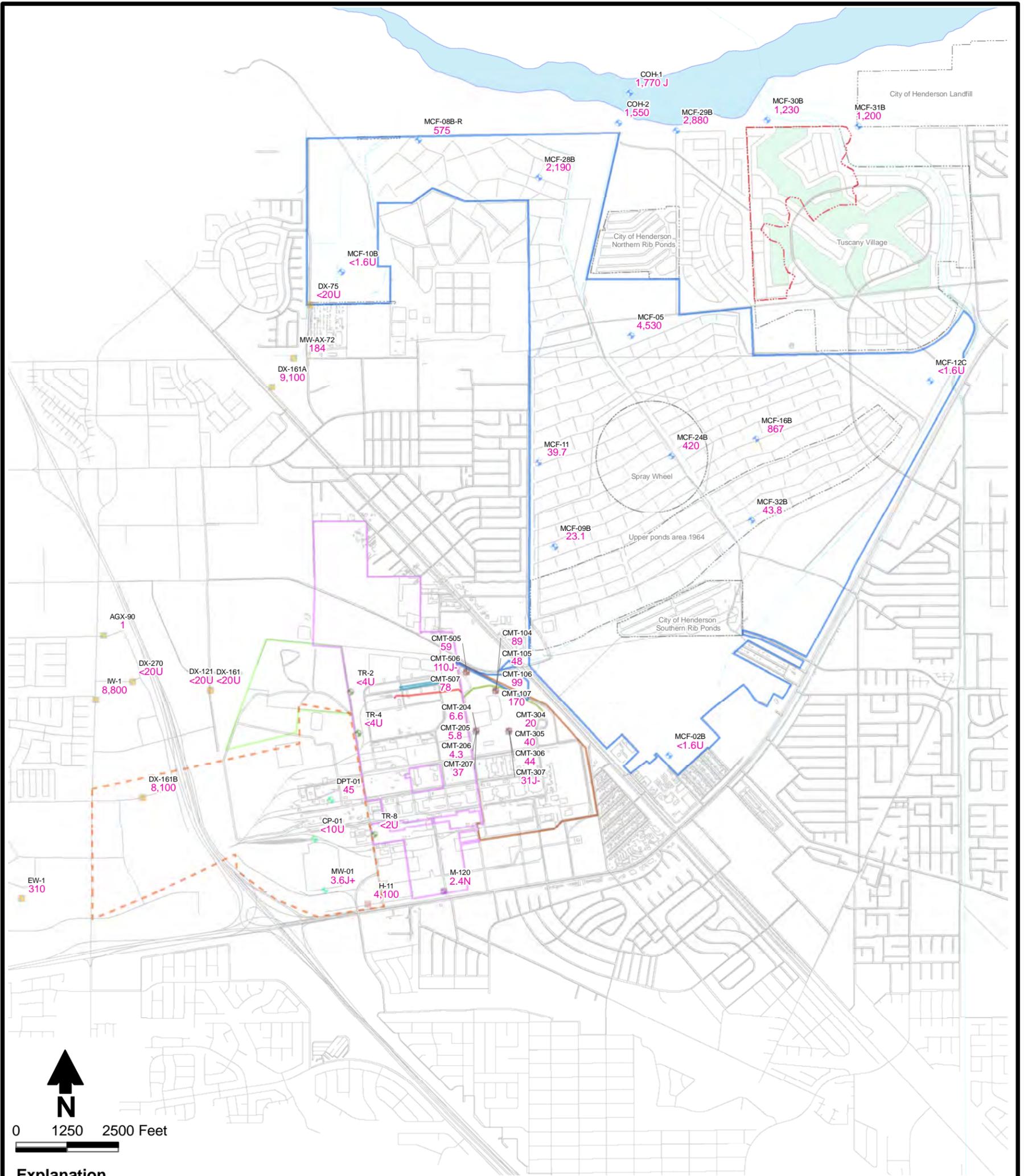
**BMI Common Areas (Eastside)
Henderson, Nevada**

**FIGURE 27
Manganese
Shallow Zone Layer 2**



Prepared by: DBS&A AFM Date: 05-06-10

S:\PROJECTS\BRC\ES09.0281_BRC_WH_AND_PRE-CSM_TASKS\GIS\MXDS\CHEMISTRY\ LAYER_MODEL\MANGANESE_LAYER2.MXD 018240



Explanation

Well Site - Date of Data

- AMPAC - 2005
- ◆ BRC - 2009
- ◆ Kerr-McGee, 2009
- ◆ Montrose - 2006
- ◆ Montrose - 2007
- ◆ Montrose - 2008
- Stauffer - 2007
- Stauffer - 2008
- TIMET - 2008
- Tronox - 2007

- Site boundary
- Gravel pit circa 1976
- Source: Aerial photograph dated 1976
- TIMET boundary
- Tronox boundary
- POSSM (The Companies)
- Site AOC3 boundary
- Las Vegas Wash
- TIMET proposed slurry wall September 2008
- Tronox groundwater recharge trench
- Tronox slurry wall
- Street
- MW-01 3.6 Monitoring well designation Result (ug/L)

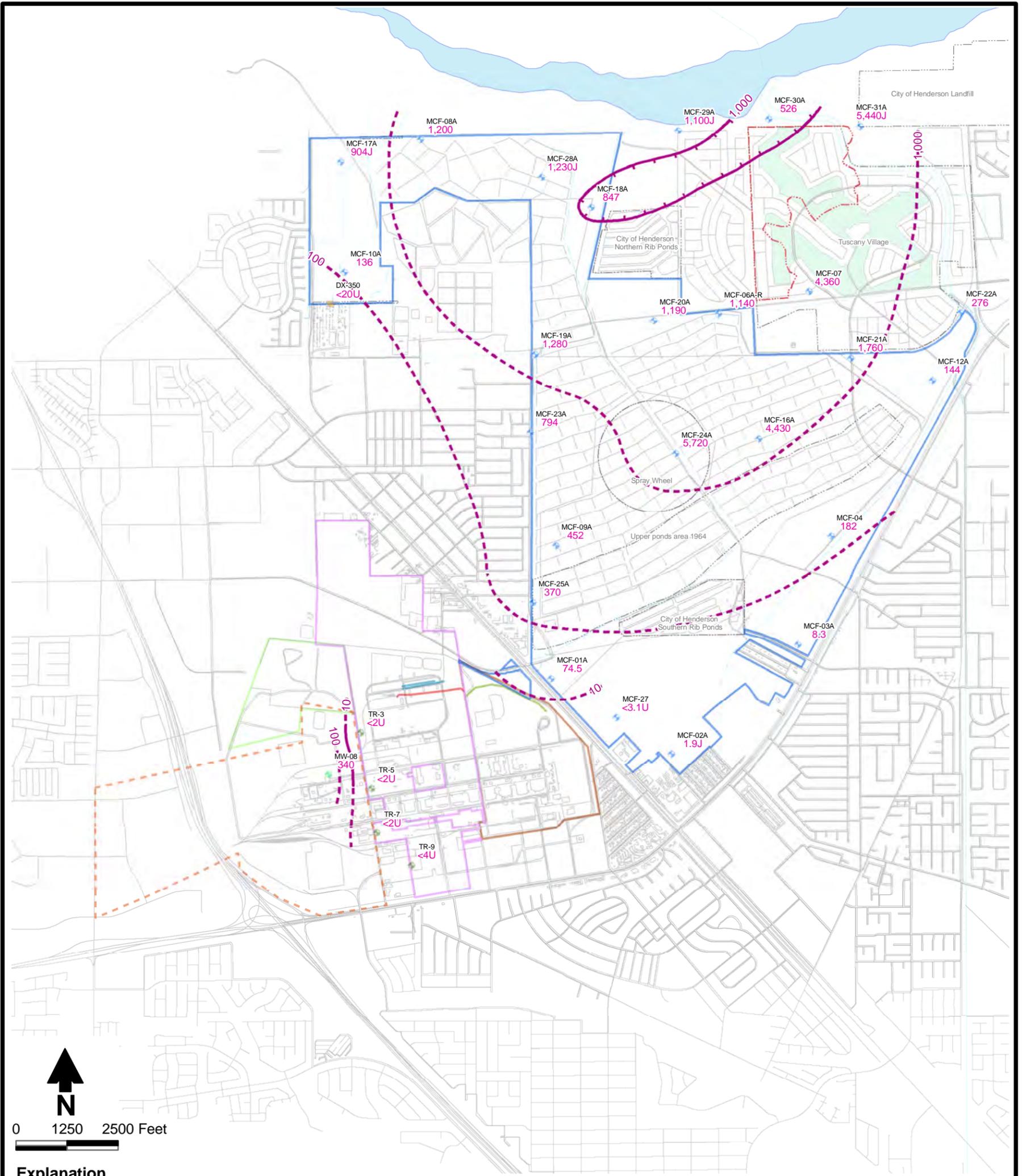
BMI Common Areas (Eastside)
Henderson, Nevada

FIGURE 28
Manganese
Middle Zone



Prepared by: **DBS&A** AFM Date: 05-06-10

S:/PROJECTS/BRC/ES09.0281_BRC_WH_AND_PRE-CSM_TASKS/GIS/MXDS/CHEMISTRY/LAYER_MODEL/MANGANESE_MIDDLE.MXD 018240



Explanation

Well Site - Date of Data

- AMPAC - 2005
- BRC - 2009
- Kerr-McGee - 2009
- Montrose - 2006

- Site boundary
- Gravel pit circa 1976
- Source: Aerial photograph dated 1976
- TIMET boundary
- Tronox boundary
- POSSM (The Companies)
- Site AOC3 boundary
- Las Vegas Wash

- TIMET proposed slurry wall September 2008
- Tronox groundwater recharge trench
- Tronox slurry wall
- Street
- Concentration contour (dashed where inferred)
- MW-08 340 Monitoring well designation Result (ug/L)

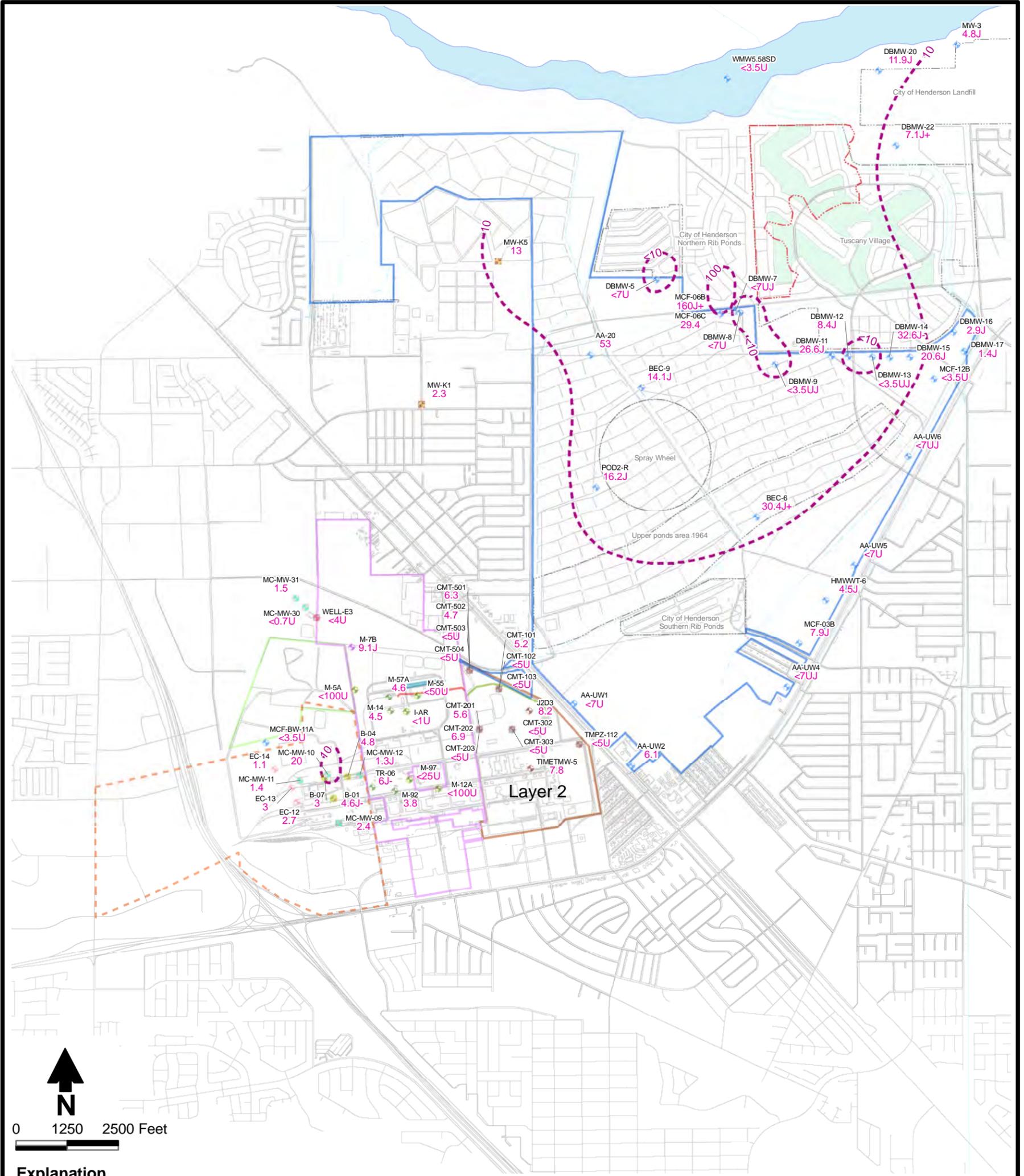
BMI Common Areas (Eastside)
Henderson, Nevada

FIGURE 29
Manganese
Deep Zone



Prepared by: DBS&A AFM Date: 05-06-10

S:/PROJECTS/BRC/ES09.0281_BRC_WH_AND_PRE-CSM_TASKS/GIS/MXDS/CHEMISTRY/LAYER_MODEL/MANGANESE_DEEP.MXD 016040



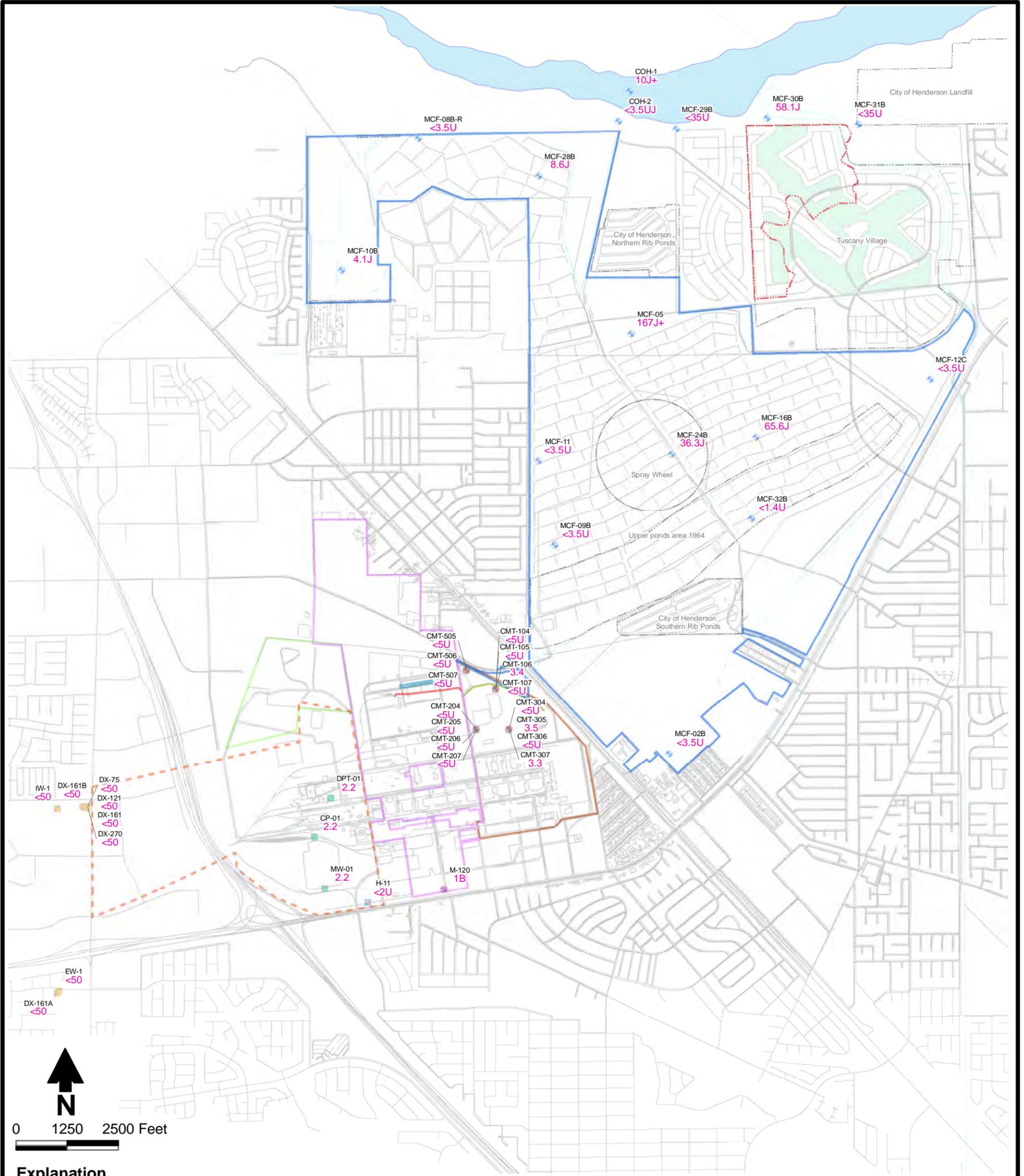
Explanation

Well Site - Date of Data
AMPAC - 2008
BRC - 2009
Kerr-McGee - 2007
Kerr-McGee - 2008
Montrose - 2008
Montrose - 2009
OSM - 2008
Olin, 2008
Stauffer - 2009
TIMET - 2008
TIMET - 2009
Tronox - 2009

Site boundary
Gravel pit circa 1976
Source: Aerial photograph dated 1976
TIMET boundary
Tronox boundary
POSSM (The Companies)
Site AOC3 boundary
Las Vegas Wash

TIMET proposed slurry wall September 2008
Tronox groundwater recharge trench
Tronox slurry wall
Street
Concentration contour (dashed where inferred)
Monitoring well designation Result (ug/L)

BMI Common Areas (Eastside) Henderson, Nevada		
FIGURE 31 Selenium Shallow Zone Layer 2		
DBS&A AFM	Date 05-06-10	Daniel B. Stephens & Associates, Inc. Basic Remediation COMPANY
S:\PROJECTS\BRC\ES09.0281_BRC_WH_AND_PRE-CSM_TASKS\GIS\MXDS\CHEMISTRY\ LAYER_MODEL\SELENIUM_LAYER2.MXD 016240		



Explanation

Well Site - Date of Data

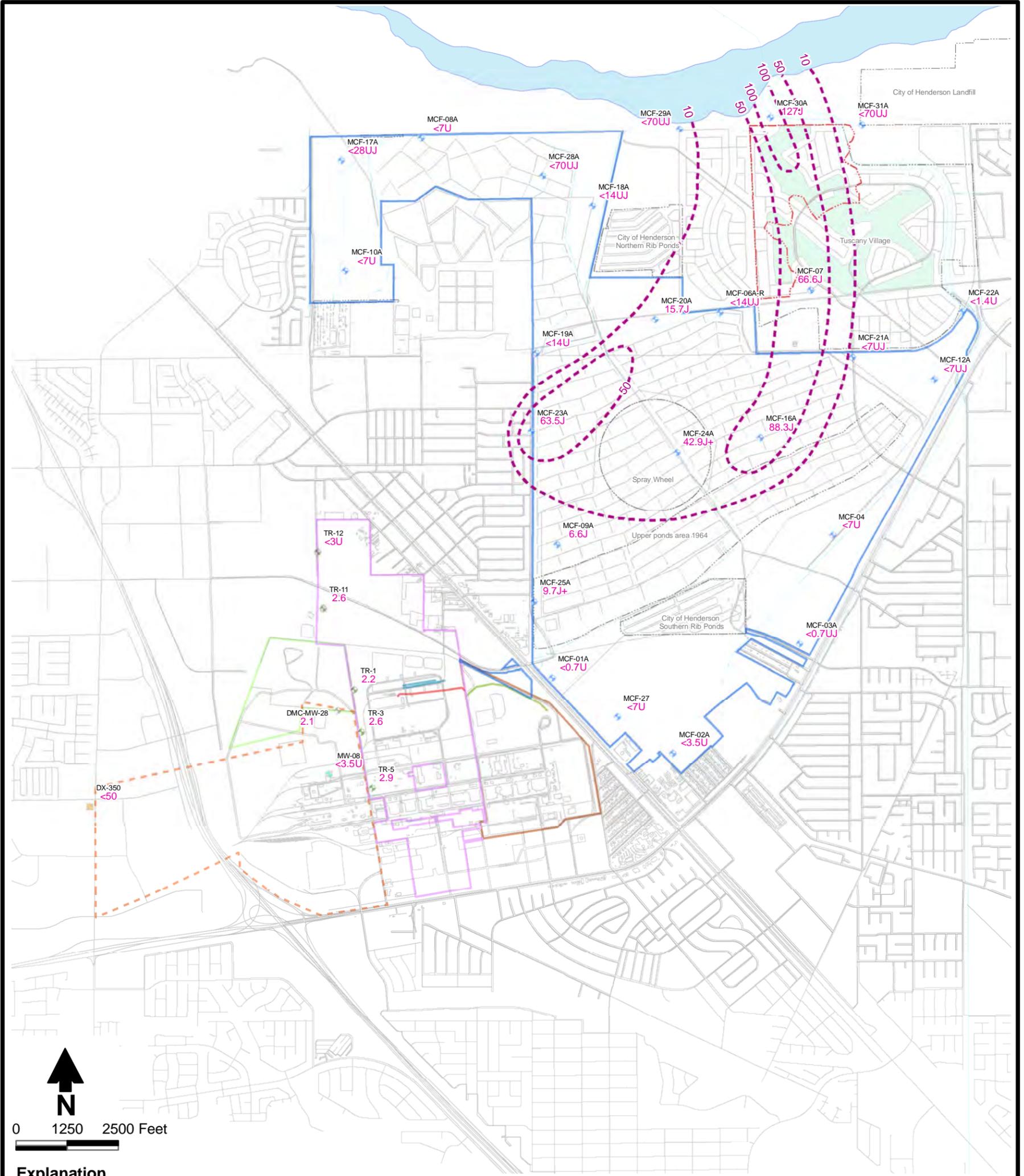
- AMPAC - 2005
- BRC - 2009
- Montrose - 2008
- Stauffer - 2008
- TIMET - 2008
- Tronox - 2007

- Site boundary
- Gravel pit circa 1976
- Source: Aerial photograph dated 1976
- TIMET boundary
- Tronox boundary
- POSSM (The Companies)
- Site AOC3 boundary
- Las Vegas Wash
- TIMET proposed slurry wall September 2008
- Tronox groundwater recharge trench
- Tronox slurry wall
- Street
- MW-01 2.2 Monitoring well designation Result (ug/L)

**BMI Common Areas (Eastside)
Henderson, Nevada**

**FIGURE 32
Selenium
Middle Zone**





Explanation

Well Site - Date of Data

- ◆ Site not known - 2009
- ◆ AMPAC - 2005
- ◆ BRC - 2009
- ◆ Kerr-McGee - 2008
- ◆ Kerr-McGee - 2009
- ◆ Montrose - 2009

- Site boundary
- Gravel pit circa 1976
- Source: Aerial photograph dated 1976
- TIMET boundary
- Tronox boundary
- POSSM (The Companies)
- Site AOC3 boundary
- Las Vegas Wash

- TIMET proposed slurry wall September 2008
- Tronox groundwater recharge trench
- Tronox slurry wall
- Street
- Concentration contour (dashed where inferred)
- MW-08 460 Monitoring well designation Result (ug/L)

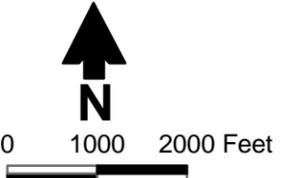
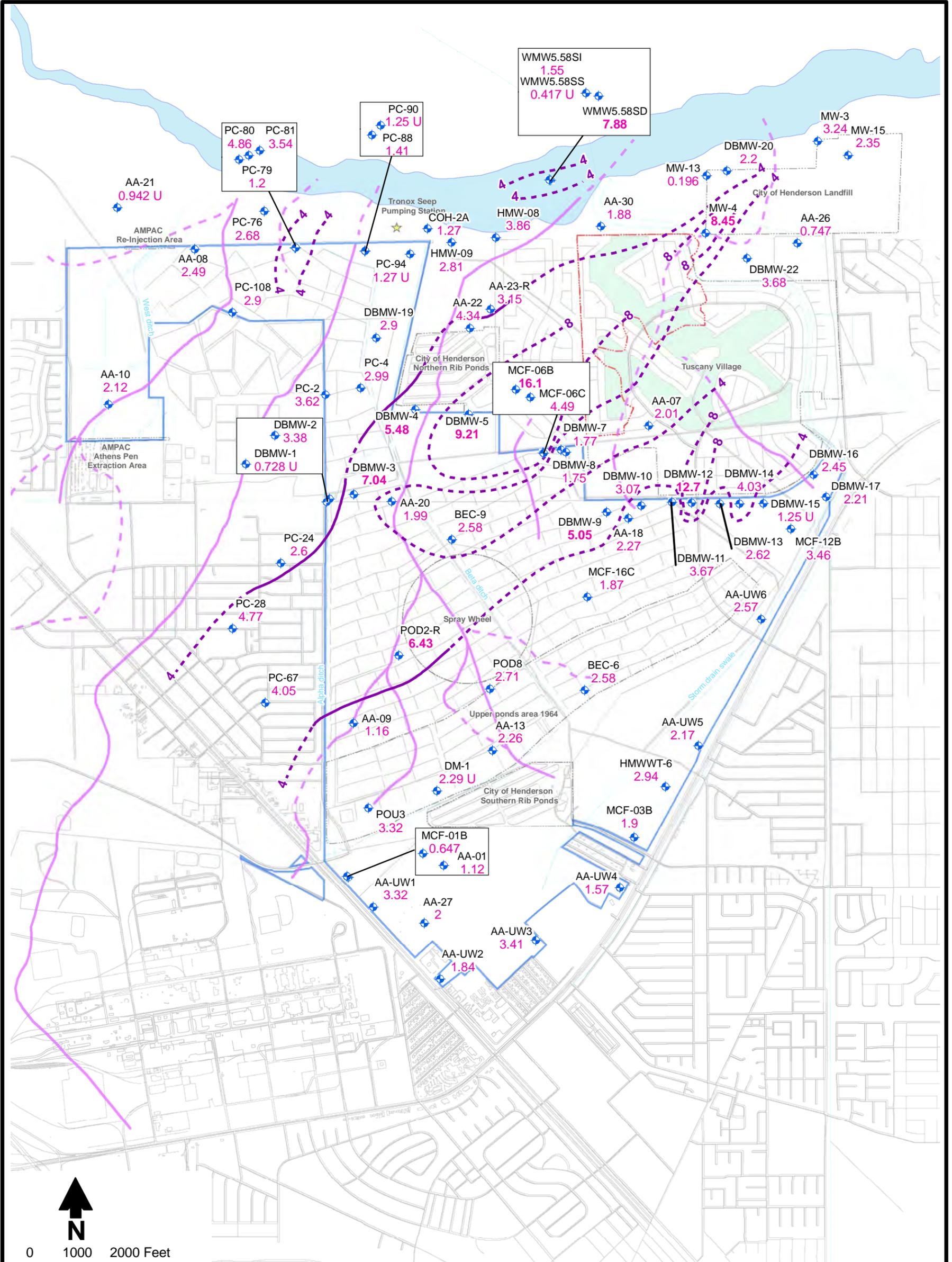
**BMI Common Areas (Eastside)
Henderson, Nevada**

**FIGURE 33
Selenium
Deep Zone**



Prepared by: **DBS&A** AFM Date: 05-06-10

S:\PROJECTS\BRC\ES09.0281_BRC_WH_AND_PRE-CSM_TASKS\GIS\MXDS\CHEMISTRY\ LAYER_MODEL\SELENIUM_DEEP.MXD 016040

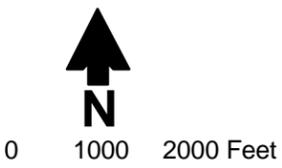
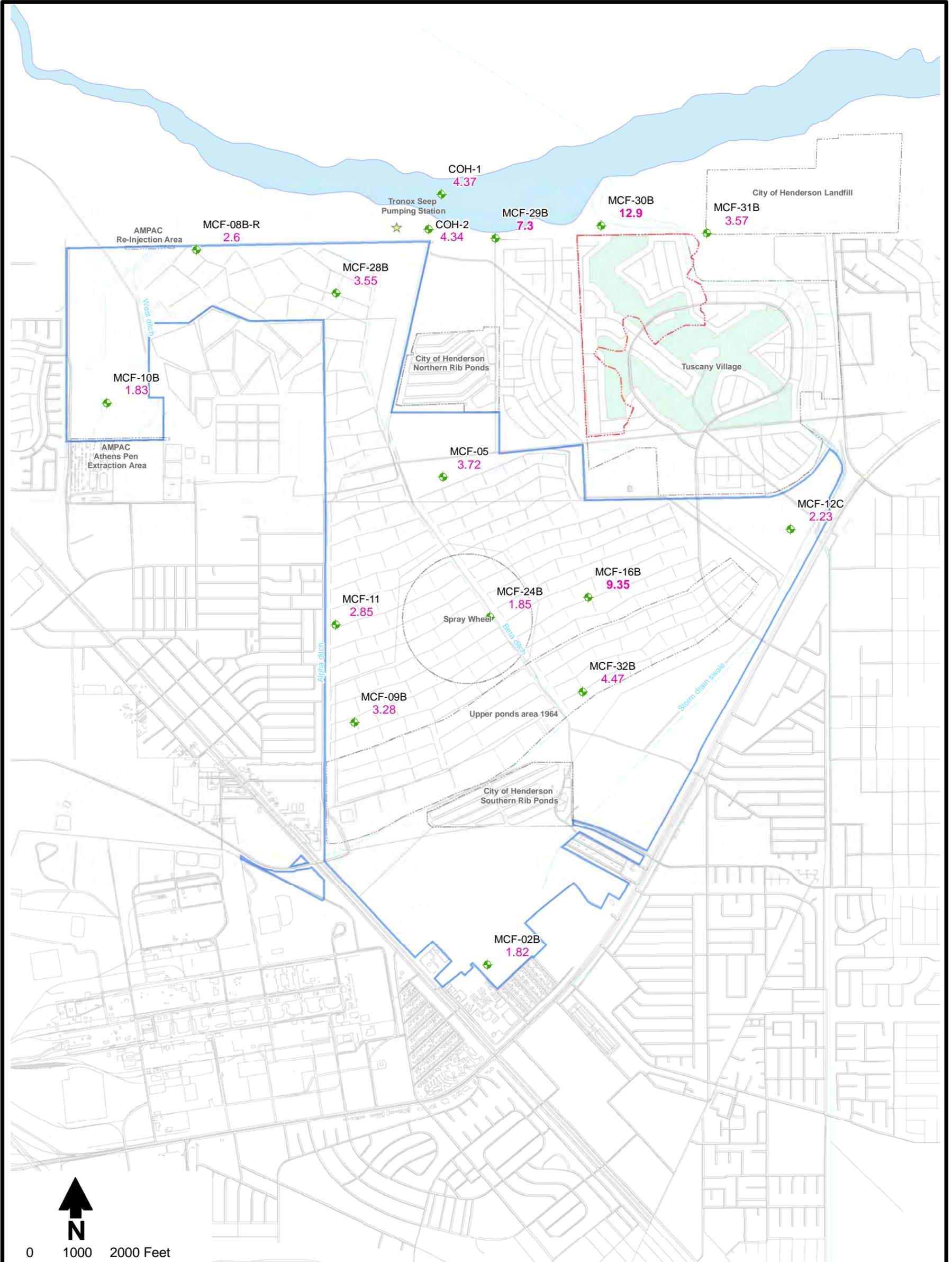


Explanation

- ◆ Shallow Zone monitoring well
- Site boundary
- Gravel pit circa 1976
Source: Aerial photograph dated 1976
- Las Vegas Wash
- Streets
- Interpreted paleochannel location
- Concentration contour (dashed where inferred)
- 2 Monitoring well designation
- 2 Result (pCi/L)

- Notes:
1. Data posted are from Eastside 2009 Sampling Event
 2. MCL = 5 picoCuries per Liter (pCi/L)
 3. Nevada Basic Comparison Level (BCL) not established
 4. **Bold** indicates value exceeds MCL

BMI Common Areas (Eastside) Henderson, Nevada	
FIGURE 34 Radium 226+228 Shallow Zone	
Prepared by: DBS&A CRS	Date: 02-23-10
S:/PROJECTS/BRC/ES09.0281_BRC_WH_AND_PRE-CSM_TASKS/ GIS/MXDS/ CHEMISTRY/RA226_228_2009_SHALLOW.MXD 907121	

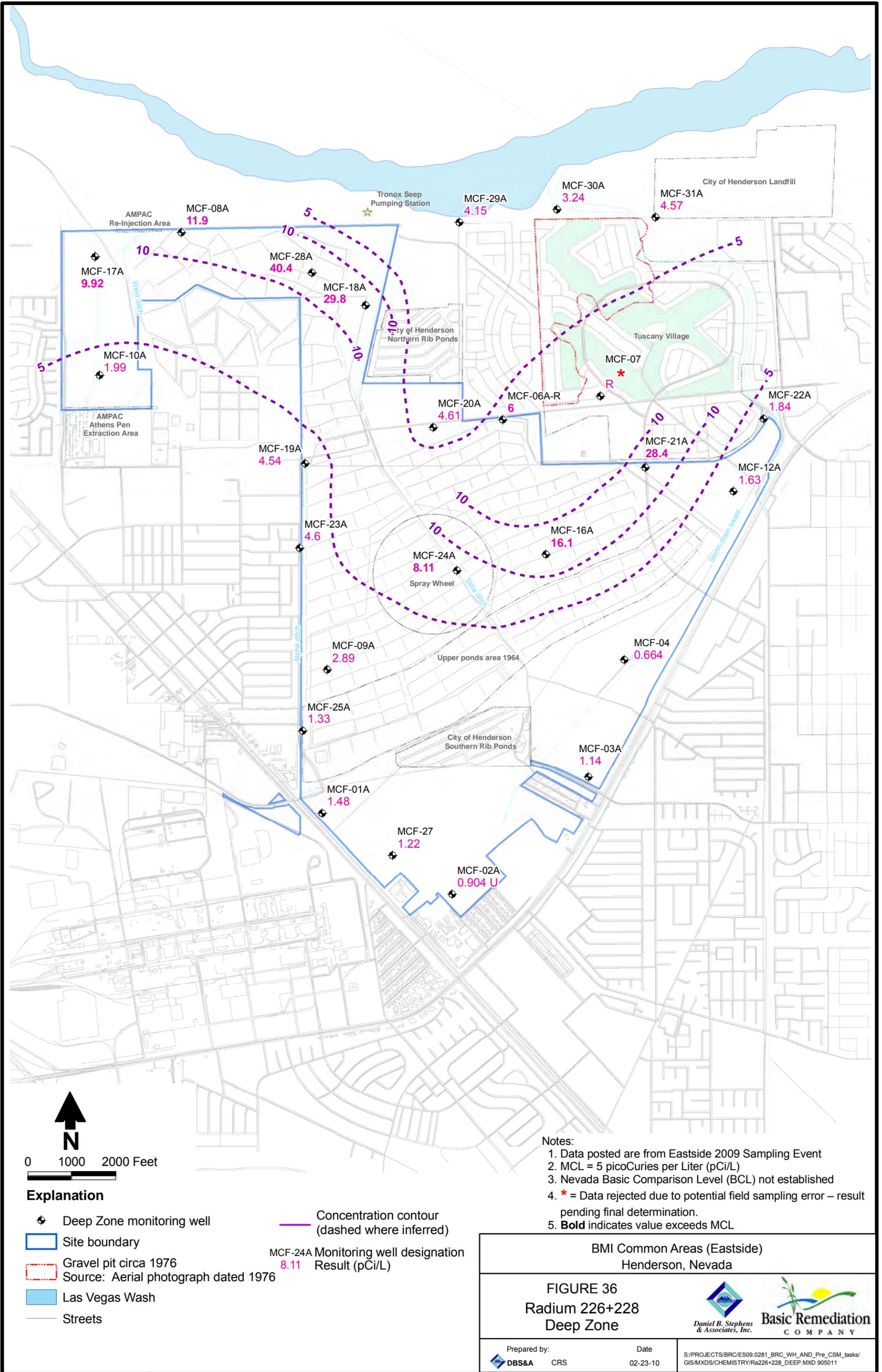


Explanation

- Middle Zone monitoring well
- Site boundary
- Gravel pit circa 1976
Source: Aerial photograph dated 1976
- Las Vegas Wash
- Streets
- MCF-09B Monitoring well designation
3.28 Result (pCi/L)

- Notes:
1. Data posted are from Eastside 2009 Sampling Event
 2. MCL = 5 picoCuries per Liter (pCi/L)
 3. Nevada Basic Comparison Level (BCL) not established
 4. **Bold** indicates value exceeds MCL

BMI Common Areas (Eastside) Henderson, Nevada	
FIGURE 35 Radium 226+228 Middle Zone	
Prepared by: DBS&A CRS	Date: 02-23-10
S:\PROJECTS\BRC\ES09.0281_BRC_WH_AND_PRE-CSM_TASKS\GIS\MXDS\CHEMISTRY\RA226_228_2009_MIDDLE.MXD 907121	

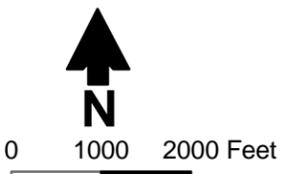
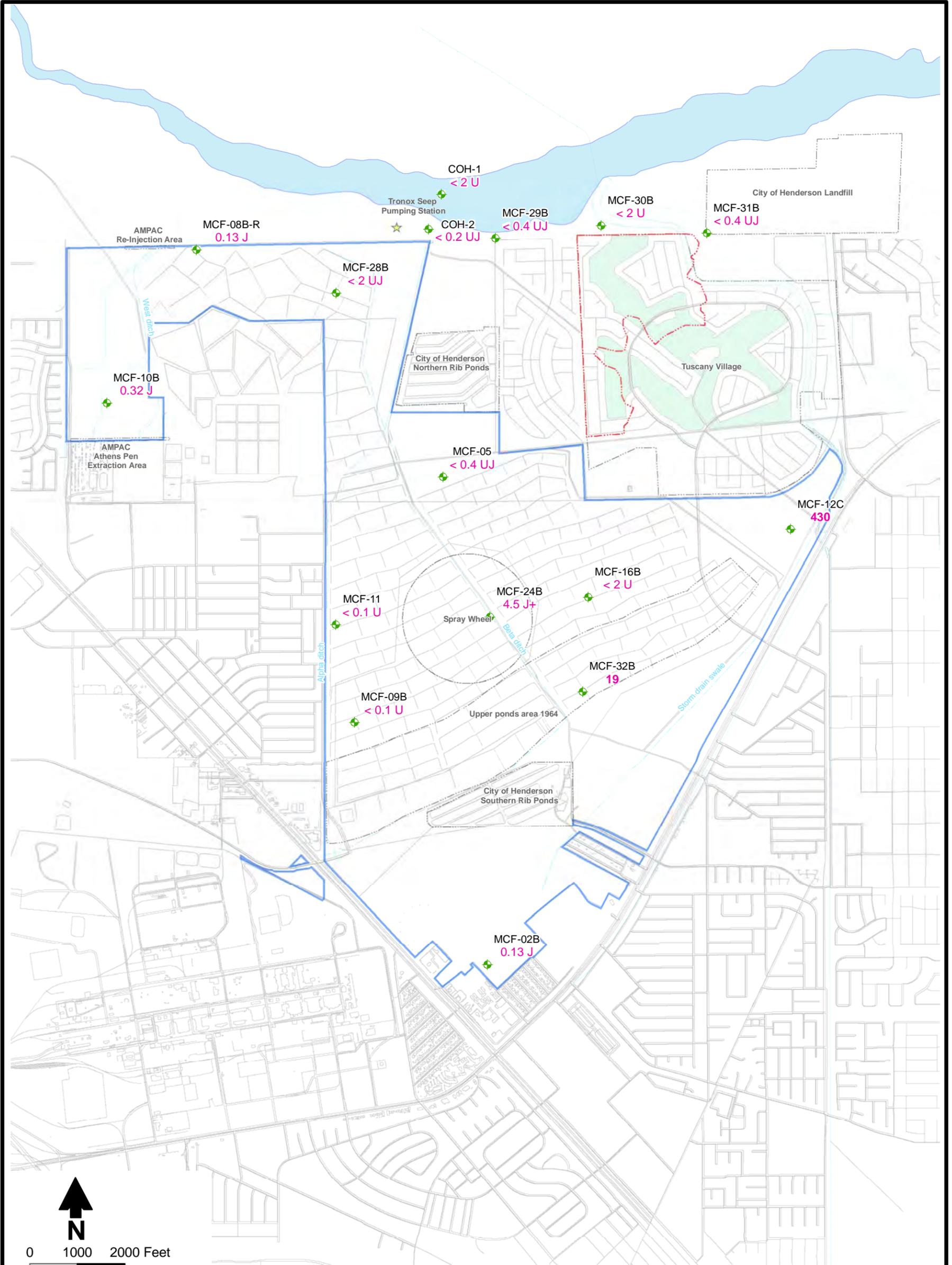


- Notes:
1. Data posted are from Eastside 2009 Sampling Event
 2. MCL = 5 picoCuries per Liter (pCi/L)
 3. Nevada Basic Comparison Level (BCL) not established
 4. * = Data rejected due to potential field sampling error – result pending final determination.
 5. **Bold** indicates value exceeds MCL

Explanation

- ◆ Deep Zone monitoring well
- Site boundary
- ▭ Gravel pit circa 1976
Source: Aerial photograph dated 1976
- ▭ Las Vegas Wash
- Streets
- Concentration contour
(dashed where inferred)
- MCF-24A Monitoring well designation
8.11 Result (pCi/L)

BMI Common Areas (Eastside) Henderson, Nevada	
FIGURE 36 Radium 226+228 Deep Zone	
Prepared by: DBS&A CRS	Date 02-23-10
Daniel B. Stephens & Associates, Inc. 	
S:/PROJECTS/BRC/ES09.0281_BRC_WH_AND_PRE-CSM_tasks/GIS/MXDS/CHEMISTRY/Ra226+228_DEEP.MXD 905011	



Explanation

- Middle Zone monitoring well
- Site boundary
- Gravel pit circa 1976
Source: Aerial photograph dated 1976
- Las Vegas Wash
- Streets
- MCF-09B Monitoring well designation
< 0.1 Result (ug/L)

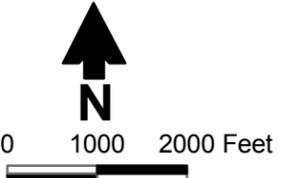
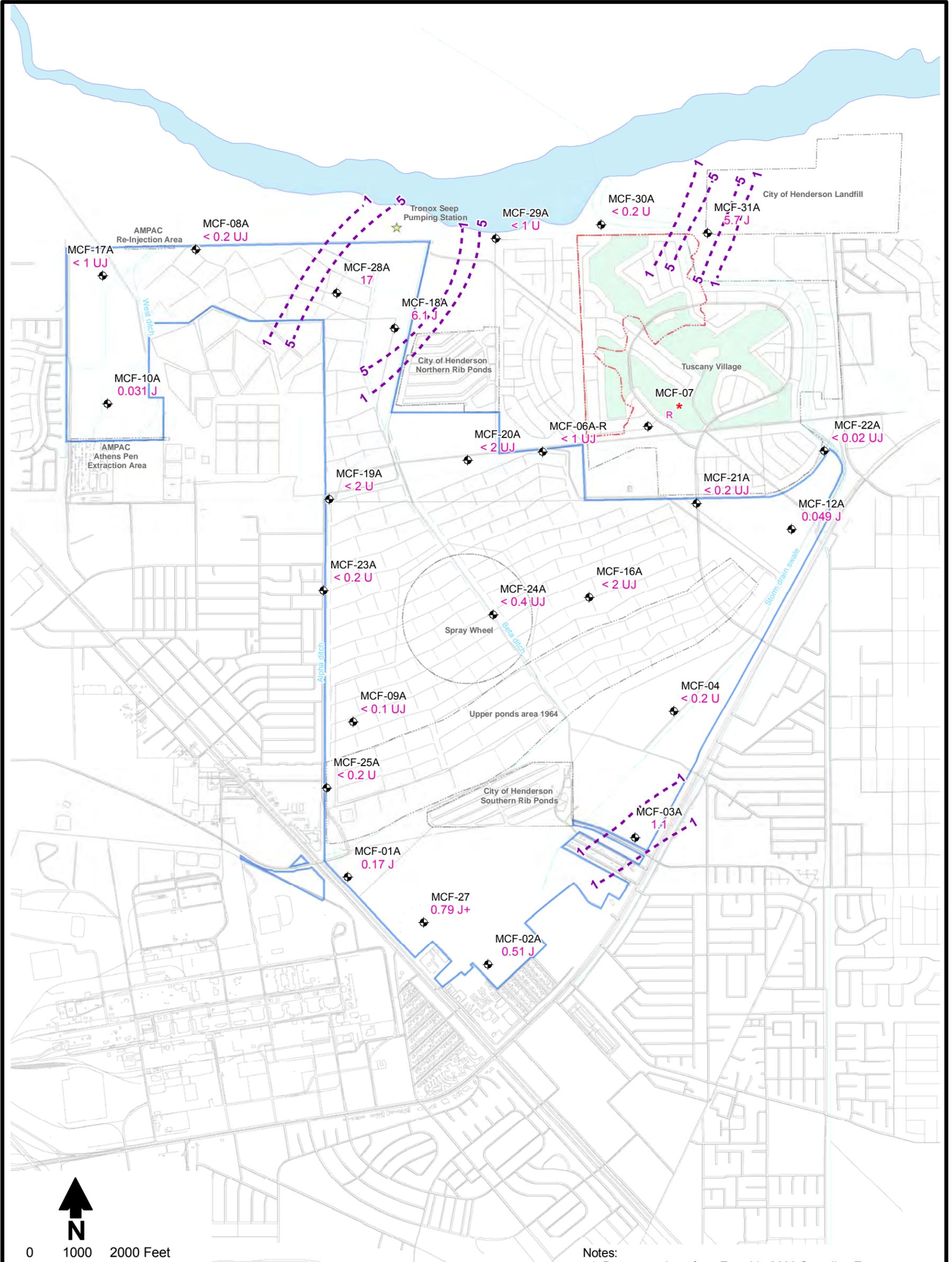
Notes:

1. Data posted are from Eastside 2009 Sampling Event
2. Nevada Basic Comparison Level (BCL) = 18 ug/L
3. **Bold** indicates value exceeds BCL

BMI Common Areas (Eastside)
Henderson, Nevada

FIGURE 38
Perchlorate
Middle Zone



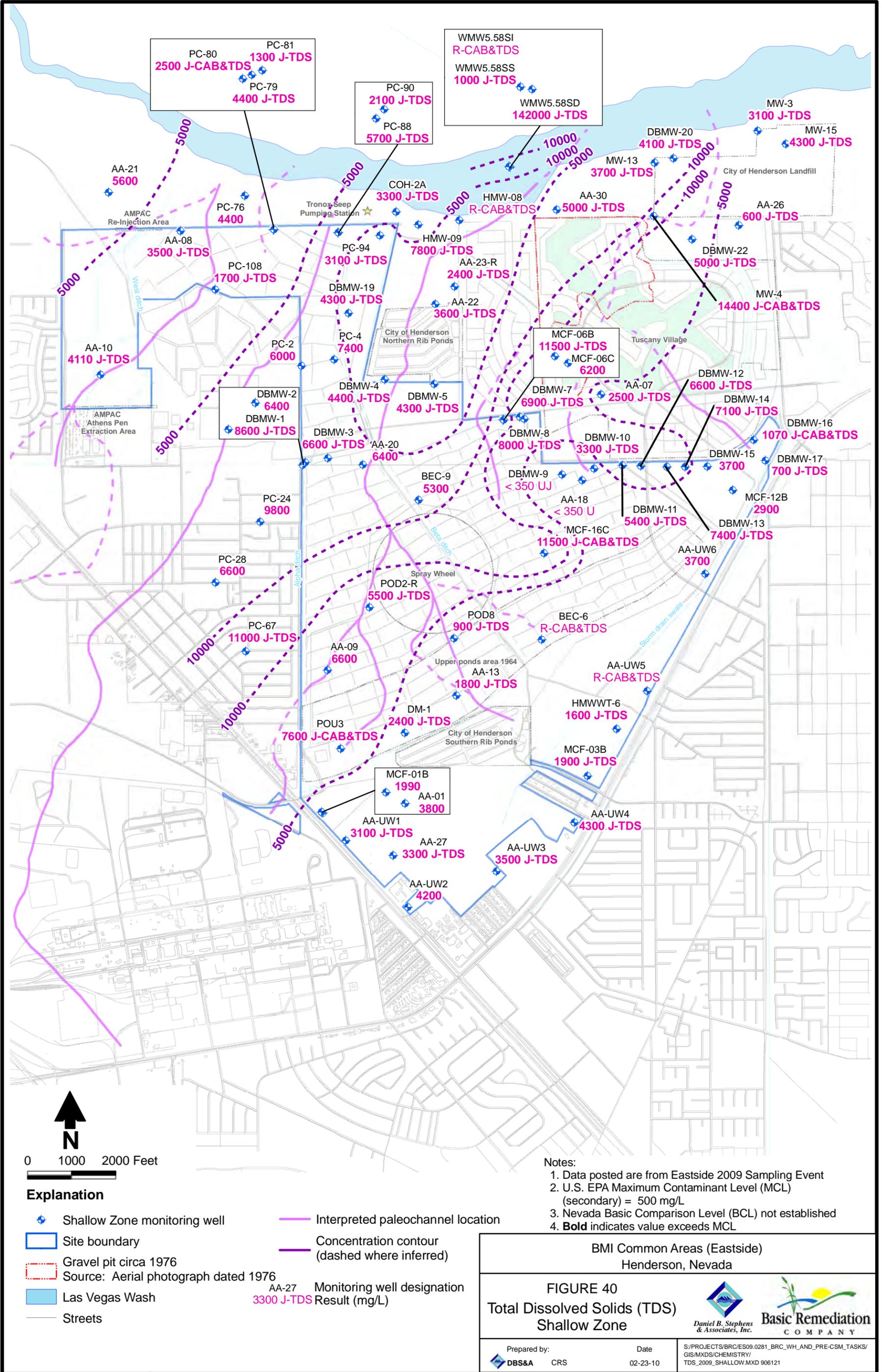


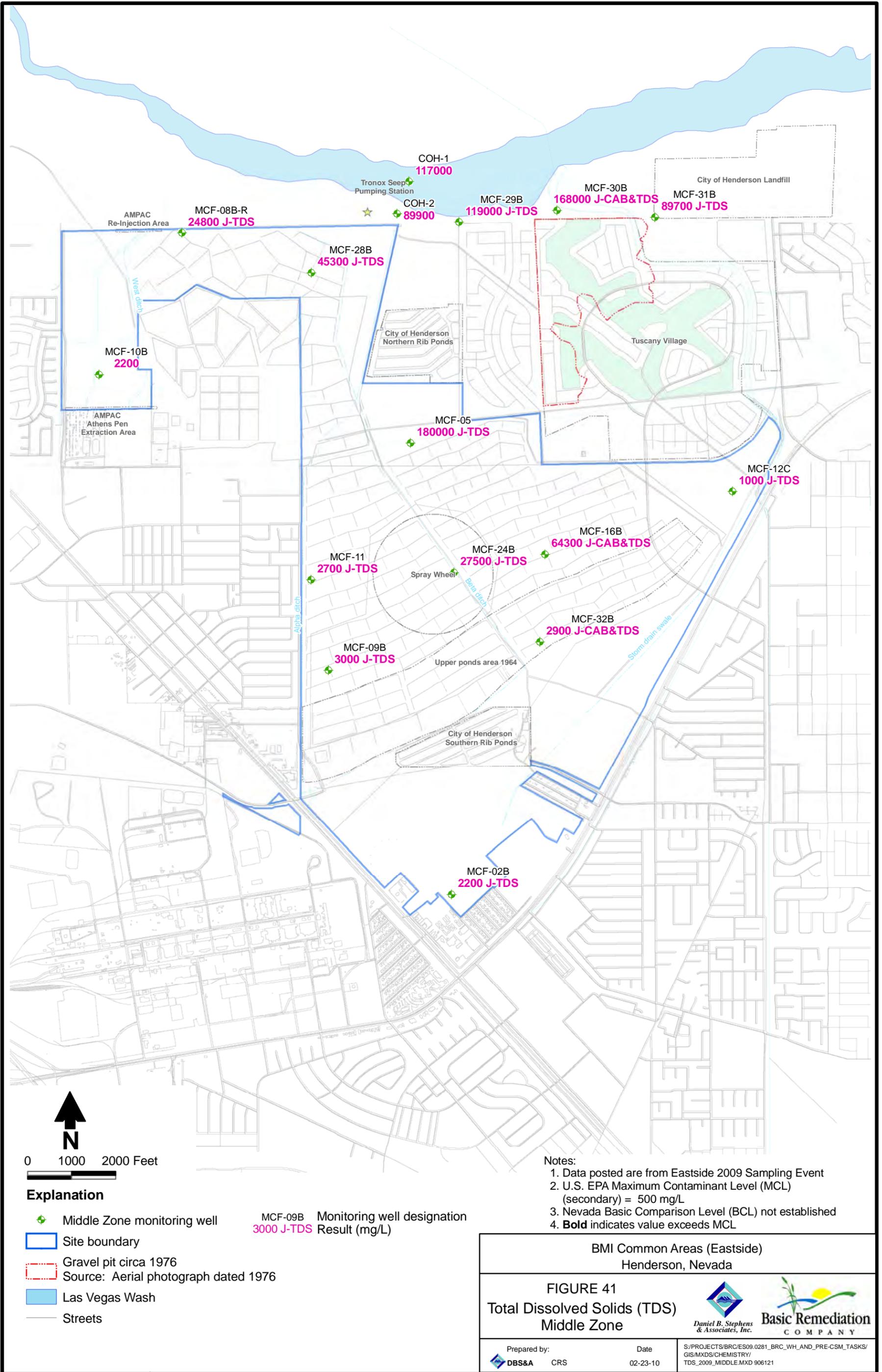
Explanation

- ◆ Deep Zone monitoring well
- Site boundary
- ▭ Gravel pit circa 1976
Source: Aerial photograph dated 1976
- ▭ Las Vegas Wash
- Streets
- Concentration contour (dashed where inferred)
- MCF-09B Monitoring well designation < 0.1 Result (ug/L)

- Notes:
1. Data posted are from Eastside 2009 Sampling Event
 2. Nevada Basic Comparison Level (BCL) = 18 ug/L
 3. * = Data rejected due to potential field sampling error – result pending final determination.

<p>BMI Common Areas (Eastside) Henderson, Nevada</p>	
<p>FIGURE 39 Perchlorate Deep Zone</p>	
<p>Prepared by: DBS&A CRS</p>	<p>Date: 02-23-10</p>
<p>S:/PROJECTS/BRC/ES09.0281_BRC_WH_AND_PRE-CSM_TASKS/ GIS/MXDS/CHEMISTRY/ PERCHL_2009_DEEP.MXD 906121</p>	





- Notes:
1. Data posted are from Eastside 2009 Sampling Event
 2. U.S. EPA Maximum Contaminant Level (MCL) (secondary) = 500 mg/L
 3. Nevada Basic Comparison Level (BCL) not established
 4. **Bold** indicates value exceeds MCL

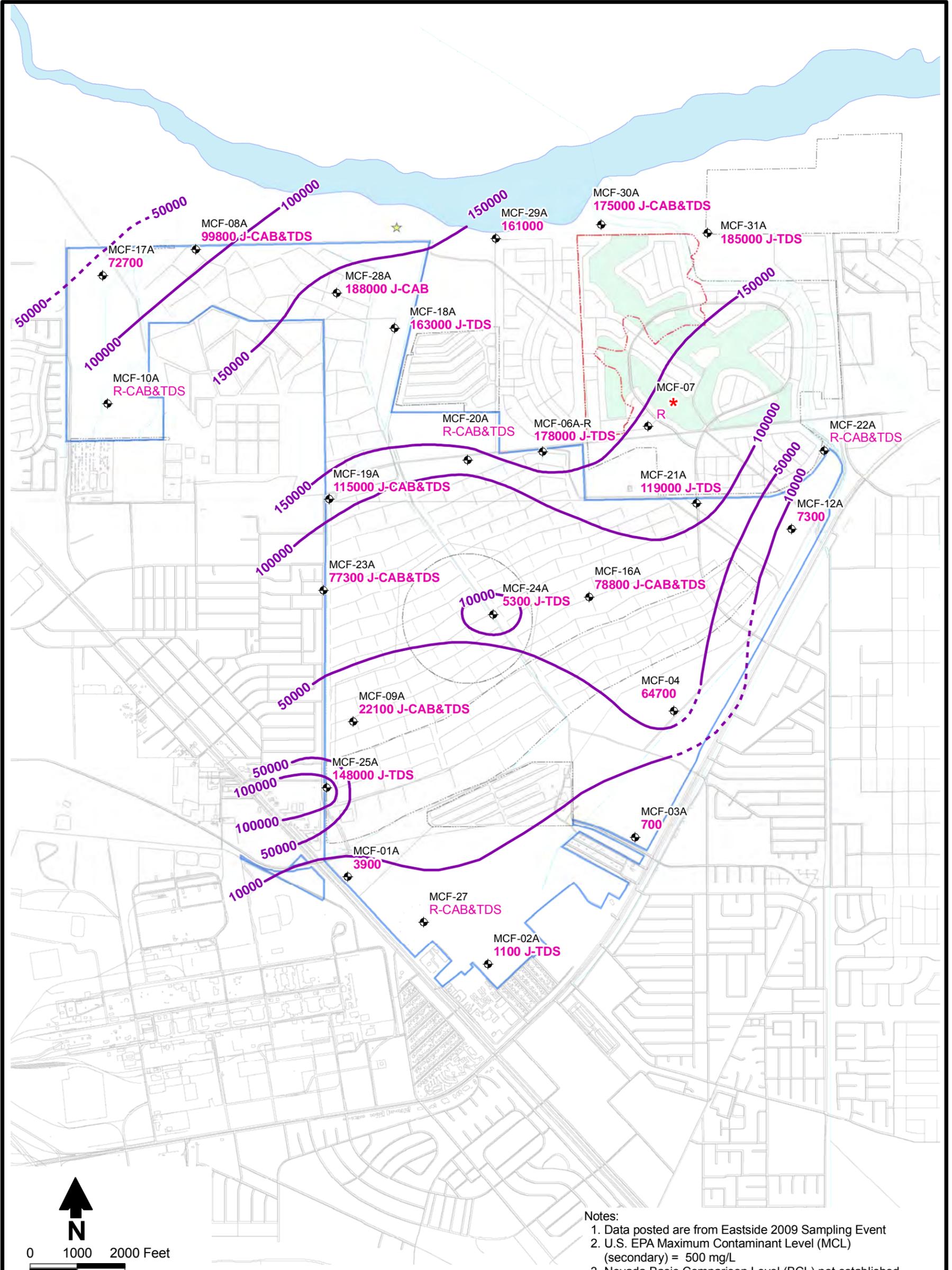
BMI Common Areas (Eastside)
Henderson, Nevada

FIGURE 41
Total Dissolved Solids (TDS)
Middle Zone



Prepared by: DBS&A CRS Date: 02-23-10

S:\PROJECTS\BRC\ES09.0281_BRC_WH_AND_PRE-CSM_TASKS\GIS\MXDS\CHEMISTRY\TDS_2009_MIDDLE.MXD 906121

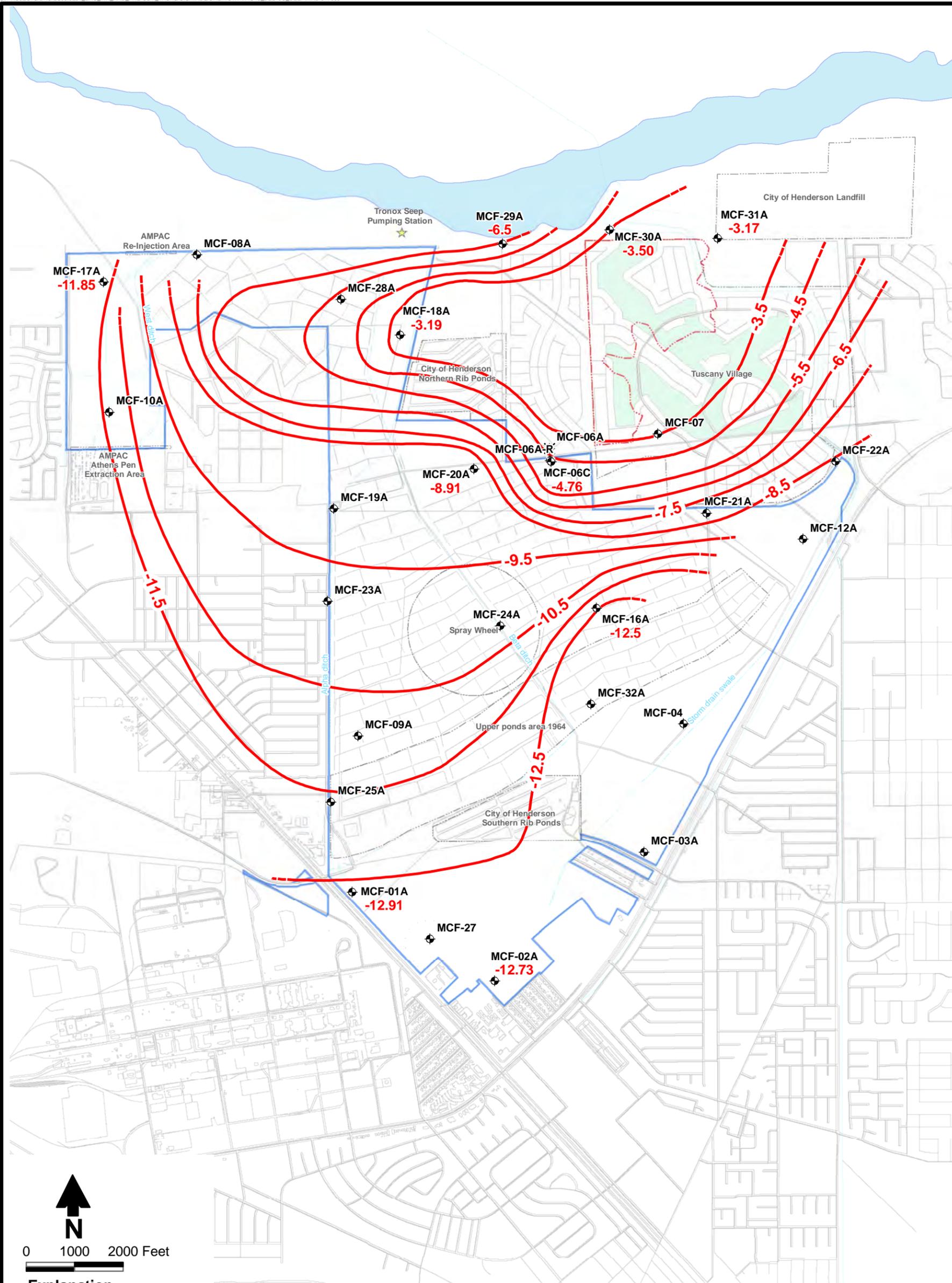


- Notes:
1. Data posted are from Eastside 2009 Sampling Event
 2. U.S. EPA Maximum Contaminant Level (MCL) (secondary) = 500 mg/L
 3. Nevada Basic Comparison Level (BCL) not established
 4. * = Data rejected due to potential field sampling error – result pending final determination.
 5. **Bold** indicates value exceeds BCL

Explanation

- ◆ Deep Zone monitoring well
- Site boundary
- ▭ Gravel pit circa 1976
Source: Aerial photograph dated 1976
- ▭ Las Vegas Wash
- Streets
- Concentration contour (dashed where inferred)
- MCF-24A Monitoring well designation < 15 U Result (mg/L)

BMI Common Areas (Eastside) Henderson, Nevada	
FIGURE 42 Total Dissolved Solids (TDS) Deep Zone	
Prepared by: DBS&A CRS	Date: 02-23-10
S:/PROJECTS/BRC/ES09.0281_BRC_WH_AND_PRE-CSM_tasks/GIS/MXDS/CHEMISTRY/TDS_DEEP.MXD 905011	



0 1000 2000 Feet

Explanation

- ◆ Deep Zone monitoring well
- ✖ Abandoned Deep Zone monitoring well
- Site boundary
- ▭ Gravel pit circa 1976
Source: Aerial photograph dated 1976
- ▭ Las Vegas Wash
- Streets
- Del¹⁸O concentration contours
(dashed where inferred)

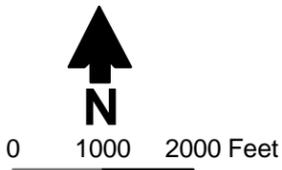
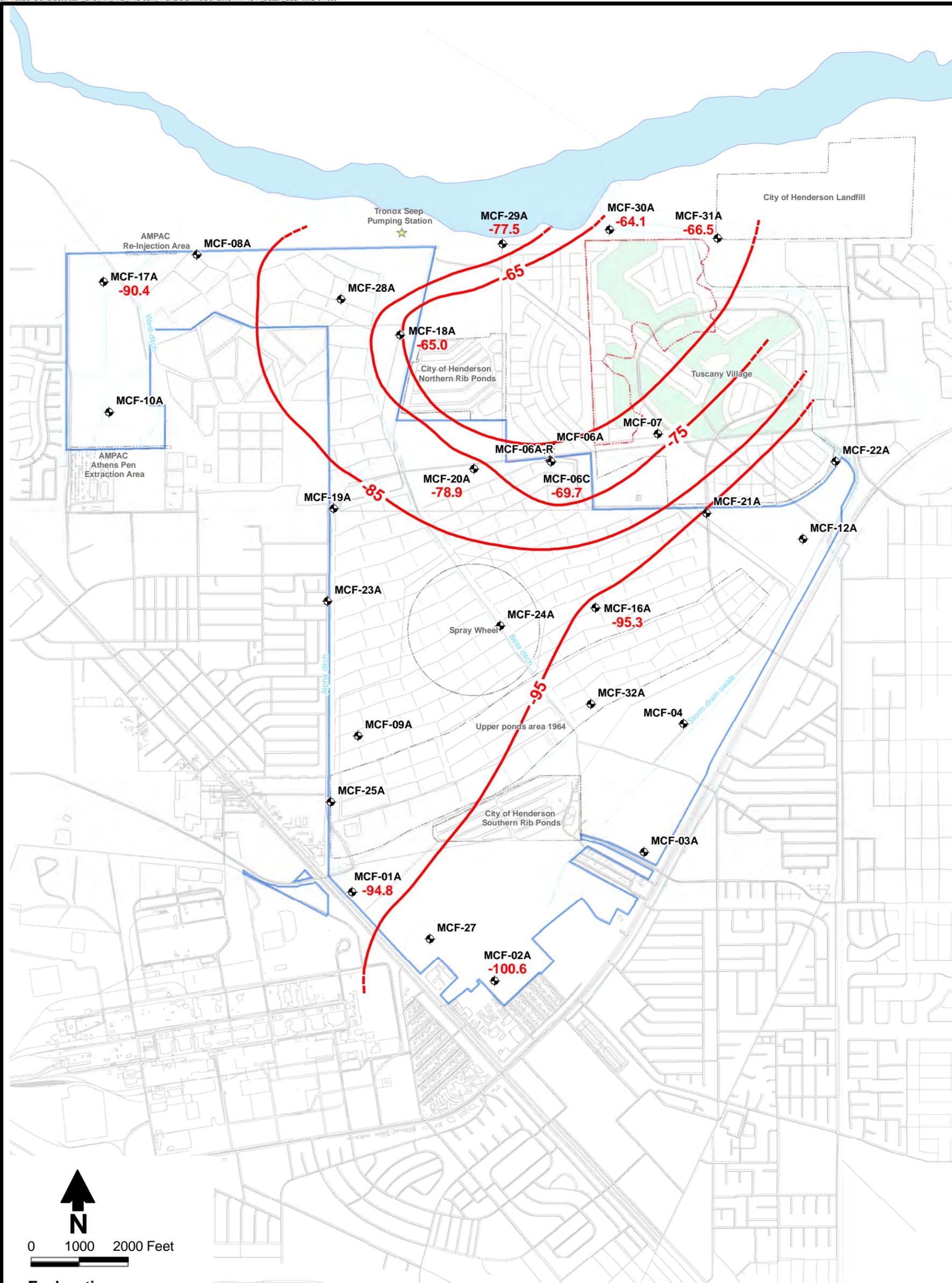
BMI Common Areas (Eastside)
Henderson, Nevada

FIGURE 43
Deep Zone
Del¹⁸O Concentrations
in Groundwater



Prepared by: **DBS&A** MNW Date: 02-23-10

S:/PROJECTS/BRC/ES09.0281_BRC_WH_AND_PRE-CSM_TASKS/GIS/MXDS/CHEMISTRY/DEL2_H_DEEP.MXD 907121



Explanation

- ◆ Deep Zone monitoring well
- ✖ Abandoned Deep Zone monitoring well
- Site boundary
- ▭ Gravel pit circa 1976
Source: Aerial photograph dated 1976
- ▭ Las Vegas Wash
- Streets
- Del²H concentration contours
(dashed where inferred)

BMI Common Areas (Eastside) Henderson, Nevada	
FIGURE 44 Deep Zone Del ² H Concentrations in Groundwater	
Prepared by: DBS&A MNW	Date: 02-23-10
S:/PROJECTS/BRC/ES09.0281_BRC_WH_AND_PRE-CSM_TASKS/GIS/MXDS/CHEMISTRY/DEL2H_DEEP.MXD 908121	

Tables

**Table 1. Site-Related Chemicals
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Preparation Method	Analytical Method	Compound List	CAS Number	Laboratory Limits ^a		Analysis Code ^b
Ions	EPA 300.0A	EPA 300.0A	Bromide	24959-67-9	0.25	mg/L	(1)
			Bromine	7726-95-6	0.5	mg/L	(1)
			Chlorate	14866-68-3	0.5	mg/L	(1)
			Chloride	16887-00-6	0.2	mg/L	(1)
			Chlorine (soluble)	7782-50-5	0.5	mg/L	(1)
			Chlorite	14998-27-7	0.02	mg/L	(1)
			Fluoride	16984-48-8	0.1	mg/L	(1)
			Nitrate (as N)	14797-55-8	0.02	mg/L	(1)
			Nitrite (as N)	14797-65-0	0.02	mg/L	(1)
			Orthophosphate	14265-44-2	0.5	mg/L	(1)
			Sulfate	14808-79-8	0.5	mg/L	(1)
	EPA 377.1	EPA 377.1	Sulfite	14265-45-3	0.5	mg/L	(1)
	EPA 314.0	EPA 314.0	Perchlorate	14797-73-0	4	µg/L	(1)
Dissolved gases	NA	RSK 175	Ethane	74-84-0	5	µg/L	(1)
			Ethylene	74-85-1	5	µg/L	(1)
			Methane	74-82-8	5	µg/L	(1)
Chlorinated compounds	EPA 551.1	EPA 551.1	Chloral	75-87-6	3	µg/L	(1)
			Dichloroacetaldehyde	79-02-7	20	µg/L	(1)
Asbestos	NA	NA	Asbestos	1332-21-4	NA	NA	(2)
General chemistry parameters	EPA 350.1	EPA 350.1	Ammonia (as N)	7664-41-7	50	µg/L	(1)
	EPA 9012A	EPA 9012A	Cyanide (Total)	57-12-5	5	µg/L	(1)
	EPA 300.0A	EPA 300.0A	Iodine	7553-56-2	1	mg/L	(1)
	NA	EPA 9040B	pH in soil	pH	NA	pH units	(1)
	NA	NA	Percent moisture	%MOISTURE	NA	NA	(1)
	EPA 376.1/376.2	EPA 376.1/376.2	Sulfide	18496-25-8	1	mg/L	(1)
	Mod. EPA 415.1	EPA 9060	Total inorganic carbon	7440-44-0	1	mg/L	(1)
	EPA 351.2	EPA 351.2	Total Kjeldahl nitrogen (TKN)	TKN	0.1	mg/L	(1)
EPA 9060	EPA 9060	Total organic carbon (TOC)	7440-44-0	1	mg/L	(1)	
Metals	EPA 3010M	EPA 6020/6010B	Aluminum	7429-90-5	30	µg/L	(1)
			Antimony	7440-36-0	5	µg/L	(1)
			Arsenic	7440-38-2	10	µg/L	(1)
			Barium	7440-39-3	2	µg/L	(1)
			Beryllium	7440-41-7	0.5	µg/L	(1)
			Boron	7440-42-8	50	µg/L	(1)
			Cadmium	7440-43-9	0.5	µg/L	(1)
			Calcium	7440-70-2	100	µg/L	(1)
			Chromium	7440-47-3	10	µg/L	(1)

Table 1

**Table 1. Site-Related Chemicals
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Preparation Method	Analytical Method	Compound List	CAS Number	Laboratory Limits ^a		Analysis Code ^b
Metals (continued)	EPA 3010M	EPA 6020/6010B	Cobalt	7440-48-4	2	µg/L	(1)
			Copper	7440-50-8	1	µg/L	(1)
			Iron	7439-89-6	50	µg/L	(1)
			Lead	7439-92-1	3	µg/L	(1)
			Lithium	1313-13-9	50	µg/L	(1)
			Magnesium	7439-95-4	50	µg/L	(1)
			Manganese	7439-96-5	2	µg/L	(1)
			Molybdenum	7439-98-7	5	µg/L	(1)
			Nickel	7440-02-0	5	µg/L	(1)
			Niobium	7440-03-1	25	µg/L	(1)
			Palladium	7440-05-3	0.5	µg/L	(1)
			Phosphorus	7723-14-0	20	µg/L	(1)
			Platinum	7440-06-4	1	µg/L	(1)
			Potassium	7440-09-7	100	µg/L	(1)
			Selenium	7782-49-2	5	µg/L	(1)
			Silicon	7440-21-3	250	µg/L	(1)
			Silver	7440-22-4	2	µg/L	(1)
			Sodium	7440-23-5	50	µg/L	(1)
			Strontium	7440-24-6	5	µg/L	(1)
			Sulfur	7704-34-9	2000	µg/L	(1)
			Thallium	7440-28-0	2	µg/L	(1)
			Tin	7440-31-5	2	µg/L	(1)
			Titanium	7440-32-6	2	µg/L	(1)
Tungsten	7440-33-7	5	µg/L	(1)			
Uranium	7440-61-1	1	µg/L	(1)			
Vanadium	7440-62-2	10	µg/L	(1)			
Zinc	7440-66-6	10	µg/L	(1)			
Zirconium	7440-67-7	5	µg/L	(1)			
	EPA 3060A	EPA 7196A	Chromium (VI)	18540-29-9	10	µg/L	(1)
	EPA 7470A	EPA 7470A	Mercury	7439-97-6	0.2	µg/L	(1)
Organic acids	HPLC	HPLC	4-Chlorobenzene sulfonic acid	98-66-8	0.4	mg/L	(1)
			Benzenesulfonic acid	98-11-3	0.4	mg/L	(1)
			O,O-Diethylphosphorodithioic acid	298-06-6	0.4	mg/L	(1)
			O,O-Dimethylphosphorodithioic acid	756-80-9	0.1	mg/L	(1)
Organochlorine pesticides	EPA 3520C	EPA 8081A	2,4-DDD	53-19-0	0.05	µg/L	(1)
			2,4-DDE	3424-82-6	0.05	µg/L	(1)

**Table 1. Site-Related Chemicals
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Preparation Method	Analytical Method	Compound List	CAS Number	Laboratory Limits ^a		Analysis Code ^b
Organochlorine pesticides (continued)	EPA 3520C	EPA 8081A	4,4-DDD	72-54-8	0.05	µg/L	(1)
			4,4-DDE	72-55-9	0.05	µg/L	(1)
			4,4-DDT	50-29-3	0.05	µg/L	(1)
			Aldrin	309-00-2	0.05	µg/L	(1)
			alpha-BHC	319-84-6	0.05	µg/L	(1)
			alpha-Chlordane	5103-71-9	0.05	µg/L	(1)
			beta-BHC	319-85-7	0.05	µg/L	(1)
			Chlordane	57-74-9	0.5	µg/L	(1)
			delta-BHC	319-86-8	0.05	µg/L	(1)
			Dieldrin	60-57-1	0.05	µg/L	(1)
			Endosulfan I	959-98-8	0.05	µg/L	(1)
			Endosulfan II	33213-65-9	0.05	µg/L	(1)
			Endosulfan sulfate	1031-07-8	0.05	µg/L	(1)
	EPA 3510C	EPA 8081A	Endrin	72-20-8	0.05	µg/L	(1)
			Endrin aldehyde	7421-93-4	0.05	µg/L	(1)
			Endrin ketone	53494-70-5	0.05	µg/L	(1)
			gamma-BHC (Lindane)	58-89-9	0.05	µg/L	(1)
			gamma-Chlordane	5103-74-2	0.05	µg/L	(1)
			Heptachlor	76-44-8	0.05	µg/L	(1)
			Heptachlor epoxide	1024-57-3	0.05	µg/L	(1)
Methoxychlor			72-43-5	0.1	µg/L	(1)	
Toxaphene			8001-35-2	2	µg/L	(1)	
Radionuclides	EPA 900.0 or 9310	EPA 900.0 or 9310	Gross alpha	G_Alpha	3.0	pCi/L	(1)
			Gross beta	G_Beta	4.0	pCi/L	(1)
	HASL 300 RC-5016 ^c (total dissolution)	HASL A-01-R	Thorium-232	7440-29-1	1.0	pCi/L	(1)
			Thorium-228	14274-82-9	1.0	pCi/L	(1)
			Thorium-230	14269-63-7	1.0	pCi/L	(1)
			Uranium-233/234	13966-29-5	1.0	pCi/L	(1)
			Uranium 235/236	15117-96-1	1.0	pCi/L	(1)
	HASL 300 RC-5016/5086 ^c (total dissolution)	EPA 903.1	Uranium-238	7440-61-1	1.0	pCi/L	(1)
			Radium-226	13982-63-3	1.0	pCi/L	(1)
			Radium-228	15262-20-1	1.0	pCi/L	(1)
	HASL 300 RC-5013/RC-5032 ^c	EPA 904.0	Actinium-228	14331-83-0	*	pCi/L	(1)
			Bismuth-212	14913-49-6	*	pCi/L	(1)
	EPA 901.1/	EPA 901.1/	Bismuth-214	14733-03-0	*	pCi/L	(1)
Cobalt-57			13981-50-5	*	pCi/L	(1)	

Table 1
Page 3 of 10

**Table 1. Site-Related Chemicals
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Preparation Method	Analytical Method	Compound List	CAS Number	Laboratory Limits ^a		Analysis Code ^b
Radionuclides (continued)	HASL GA-01-R	HASL GA-01-R	Cobalt-60	10198-40-0	*	pCi/L	(1)
			Lead-210	14255-04-0	*	pCi/L	(1)
			Lead-211	015816-77-0	*	pCi/L	(1)
			Lead-212	15092-94-1	*	pCi/L	(1)
			Lead-214	15067-28-4	*	pCi/L	(1)
			Potassium-40	13966-00-2	*	pCi/L	(1)
			Thallium-208	14913-50-9	*	pCi/L	(1)
			Thorium-227	15623-47-9	*	pCi/L	(1)
			Thorium-234	15065-10-8	*	pCi/L	(1)
	NA	Quantitate from parent or daughter radionuclide	Actinium-227 (from Th-227)	14952-40-0	*	pCi/L	(1)
			Bismuth-210 (from Pb-210)	14331-79-4	*	pCi/L	(1)
			Bismuth-211 (from Pb-211)	15229-37-5	*	pCi/L	(1)
			Polonium-210 (from Pb-210)	13981-52-7	*	pCi/L	(1)
			Polonium-212 (from Bi-212)	13981-52-7	*	pCi/L	(1)
			Polonium-214 (from Bi-214)	15735-67-8	*	pCi/L	(1)
			Polonium-216 (from Pb-212)	15756-58-8	*	pCi/L	(1)
			Polonium-218 (from Pb-214)	15422-74-9	*	pCi/L	(1)
			Protactinium-231 (from U-235)	14331-85-2	*	pCi/L	(1)
			Protactinium-234 (from Th-234)	15100-28-4	*	pCi/L	(1)
			Radium-223 (from Th-227)	15623-45-7	*	pCi/L	(1)
	Radium-224 (from Pb-212)	13233-32-4	*	pCi/L	(1)		
	Thallium-207 (from Pb-211)	14133-67-6	*	pCi/L	(1)		
	Thorium-231 (from U-235)	14932-40-2	*	pCi/L	(1)		
Radon	NA	NA	Radon-220	22481-48-7	NA	pCi/L	(1)
			Radon-222	14859-67-7	NA	pCi/L	(2)
Semivolatile organic compounds	EPA 3510C	EPA 8270C ^{d,e}	1,2,4,5-Tetrachlorobenzene	95-94-3	10	µg/L	(1)
			1,2-Diphenylhydrazine	122-66-7	10	µg/L	(1)
			1,4-Dioxane	123-91-1	10	µg/L	(1)
			2,2',4,4'-Dichlorobenzil	3457-46-3	10	µg/L	(1)
			2,4,5-Trichlorophenol	95-95-4	10	µg/L	(1)
			2,4,6-Trichlorophenol	88-06-2	10	µg/L	(1)
			2,4-Dichlorophenol	120-83-2	10	µg/L	(1)
			2,4-Dimethylphenol	105-67-9	10	µg/L	(1)
			2,4-Dinitrophenol	51-28-5	50	µg/L	(1)
			2,4-Dinitrotoluene	121-14-2	10	µg/L	(1)
			2,6-Dinitrotoluene	606-20-2	10	µg/L	(1)

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**Table 1. Site-Related Chemicals
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Preparation Method	Analytical Method	Compound List	CAS Number	Laboratory Limits ^a		Analysis Code ^b
Semivolatile organic compounds (continued)	EPA 3510C	EPA 8270C ^{d,e,f}	2-Chloronaphthalene	91-58-7	10	µg/L	(1)
			2-Chlorophenol	95-57-8	10	µg/L	(1)
			2-Methylnaphthalene	91-57-6	10	µg/L	(1)
			2-Nitroaniline	88-74-4	50	µg/L	(1)
			2-Nitrophenol	88-75-5	10	µg/L	(1)
			3,3-Dichlorobenzidine	91-94-1	50	µg/L	(1)
			3-Nitroaniline	99-09-2	50	µg/L	(1)
			4,4'-Dichlorobenzil	3457-46-3	10	µg/L	(1)
			4-Bromophenyl phenyl ether	101-55-3	10	µg/L	(1)
			4-Chloro-3-methylphenol	59-50-7	10	µg/L	(1)
			4-Chlorophenyl phenyl ether	7005-72-3	10	µg/L	(1)
			4-Chlorothiobanisole	123-09-1	50	µg/L	(1)
			4-Chlorothiophenol	106-54-7	10	µg/L	(1)
			4-Nitroaniline	100-01-6	50	µg/L	(1)
			4-Nitrophenol	100-02-7	50	µg/L	(1)
			Acenaphthene	83-32-9	10	µg/L	(1)
			Acenaphthylene	208-96-8	10	µg/L	(1)
			Acetophenone	98-86-2	10	µg/L	(1)
			Aniline	62-53-3	10	µg/L	(1)
			Anthracene	120-12-7	10	µg/L	(1)
			Azobenzene	103-33-3	10	µg/L	(1)
			Benzo(a)anthracene	56-55-3	10	µg/L	(1)
			Benzo(a)pyrene	50-32-8	10	µg/L	(1)
			Benzo(b)fluoranthene	205-99-2	10	µg/L	(1)
			Benzo(g,h,i)perylene	191-24-2	10	µg/L	(1)
			Benzo(k)fluoranthene	207-08-9	10	µg/L	(1)
			Benzoic acid	65-85-0	50	µg/L	(1)
			Benzyl alcohol	100-51-6	10	µg/L	(1)
			bis(2-Chloroethoxy)methane	111-91-1	10	µg/L	(1)
			bis(2-Chloroethyl) ether	111-44-4	10	µg/L	(1)
			bis(2-Chloroisopropyl) ether	108-60-1	10	µg/L	(1)
			bis(2-Ethylhexyl) phthalate	117-81-7	10	µg/L	(1)
			bis(Chloromethyl) ether	542-88-1	10	µg/L	(1)
			bis(p-Chlorophenyl) sulfone	80-07-9	10	µg/L	(1)
bis(p-Chlorophenyl)disulfide	1142-19-4	10	µg/L	(1)			
Butylbenzyl phthalate	85-68-7	10	µg/L	(1)			

**Table 1. Site-Related Chemicals
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Preparation Method	Analytical Method	Compound List	CAS Number	Laboratory Limits ^a		Analysis Code ^b
Semivolatile organic compounds (continued)	EPA 3510C	EPA 8270C ^{d,e,f}	Carbazole	86-74-8	10	µg/L	(1)
			Chrysene	218-01-9	10	µg/L	(1)
			Dibenzo(a,h)anthracene	53-70-3	10	µg/L	(1)
			Dibenzofuran	132-64-9	10	µg/L	(1)
			Dichloromethyl ether	542-88-1	10	µg/L	(1)
			Diethyl phthalate	84-66-2	10	µg/L	(1)
			Dimethyl phthalate	131-11-3	10	µg/L	(1)
			Di-n-butyl phthalate	84-74-2	10	µg/L	(1)
			Di-n-octyl phthalate	117-84-0	10	µg/L	(1)
			Diphenyl disulfide	882-33-7	10	µg/L	(1)
			Diphenyl sulfide	139-66-2	10	µg/L	(1)
			Diphenyl sulfone	127-63-9	10	µg/L	(1)
			Fluoranthene	206-44-0	10	µg/L	(1)
			Fluorene	86-73-7	10	µg/L	(1)
			Hexachlorobenzene	118-74-1	50	µg/L	(1)
			Hexachlorobutadiene	87-68-3	50	µg/L	(1)
			Hexachlorocyclopentadiene	77-47-4	50	µg/L	(1)
			Hexachloroethane	67-72-1	10	µg/L	(1)
			Hydroxymethyl phthalimide	118-29-6	10	µg/L	(1)
			Indeno(1,2,3-cd)pyrene	193-39-5	10	µg/L	(1)
			Isophorone	78-59-1	10	µg/L	(1)
			m,p-Cresol	106-44-5	20	µg/L	(1)
			Naphthalene	91-20-3	10	µg/L	(1)
			Nitrobenzene	98-95-3	10	µg/L	(1)
			N-nitrosodi-n-propylamine	621-64-7	10	µg/L	(1)
			N-nitrosodiphenylamine	86-30-6	10	µg/L	(1)
			o-Cresol	95-48-7	10	µg/L	(1)
			Octachlorostyrene	29082-74-4	10	µg/L	(1)
			p-Chloroaniline (4-chloroaniline)	106-47-8	10	µg/L	(1)
			p-Chlorobenzenethiol	106-54-7	10	µg/L	(1)
			Pentachlorobenzene	608-93-5	10	µg/L	(1)
Pentachlorophenol	87-86-5	50	µg/L	(1)			
Phenanthrene	85-01-8	10	µg/L	(1)			
Phenol	108-95-2	10	µg/L	(1)			

**Table 1. Site-Related Chemicals
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Preparation Method	Analytical Method	Compound List	CAS Number	Laboratory Limits ^a		Analysis Code ^b
Semivolatile organic compounds (continued)	EPA 3510C	EPA 8270C ^{d,e,f}	Phthalic acid	88-99-3	10	µg/L	(1)
			Pyrene	129-00-0	10	µg/L	(1)
			Pyridine	110-86-1	20	µg/L	(1)
			Thiophenol	108-98-5	10	µg/L	(1)
Volatile organic compounds	EPA 5030B	EPA 8260B ^g	1,1,1,2-Tetrachloroethane	630-20-6	1	µg/L	(1)
			1,1,1-Trichloroethane	71-55-6	1	µg/L	(1)
			1,1,2,2-Tetrachloroethane	79-34-5	1	µg/L	(1)
			1,1,2-Trichloroethane	79-00-5	1	µg/L	(1)
			1,1-Dichloroethane	75-34-3	1	µg/L	(1)
			1,1-Dichloroethene	75-35-4	1	µg/L	(1)
			1,1-Dichloropropene	563-58-6	1	µg/L	(1)
			1,2,3-Trichlorobenzene	87-61-6	1	µg/L	(1)
			1,2,3-Trichloropropane	96-18-4	1	µg/L	(1)
			1,2,4-Trichlorobenzene	120-82-1	1	µg/L	(1)
			1,2,4-Trimethylbenzene	95-63-6	1	µg/L	(1)
			1,2-Dichlorobenzene	95-50-1	1	µg/L	(1)
			1,2-Dichloroethane	107-06-2	1	µg/L	(1)
			1,2-Dichloroethene	540-59-0	2	µg/L	(1)
			1,2-Dichloropropane	78-87-5	1	µg/L	(1)
			1,3,5-Trichlorobenzene	108-70-3	5	µg/L	(1)
			1,3,5-Trimethylbenzene	108-67-8	1	µg/L	(1)
			1,3-Dichlorobenzene	541-73-1	1	µg/L	(1)
			1,3-Dichloropropene	542-75-6	1	µg/L	(1)
			1,3-Dichloropropane	142-28-9	1	µg/L	(1)
			1,4-Dichlorobenzene	106-46-7	1	µg/L	(1)
			2,2-Dichloropropane	594-20-7	1	µg/L	(1)
			2,2-Dimethylpentane	590-35-2	1	µg/L	(1)
			2,2,3-Trimethylbutane	464-06-2	1	µg/L	(1)
			2,3-Dimethylpentane	565-59-3	1	µg/L	(1)
			2,4-Dimethylpentane	108-08-7	1	µg/L	(1)
			2-Chlorotoluene	95-49-8	1	µg/L	(1)
			2-Hexanone	591-78-6	5	µg/L	(1)
2-Methylhexane	591-76-4	1	µg/L	(1)			
2-Nitropropane	79-46-9	10	µg/L	(1)			
3,3-Dimethylpentane	562-49-2	1	µg/L	(1)			
3-Ethylpentane	617-78-7	10	µg/L	(1)			

**Table 1. Site-Related Chemicals
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Preparation Method	Analytical Method	Compound List	CAS Number	Laboratory Limits ^a		Analysis Code ^b
Volatile organic compounds (continued)	EPA 5030B	EPA 8260B ^e	3-Methylhexane	589-34-4	10	µg/L	(1)
			4-Chlorobenzene	108-90-7	1	µg/L	(1)
			4-Chlorotoluene	106-43-4	1	µg/L	(1)
			4-Methyl-2-pentanone (MIBK)	108-10-1	5	µg/L	(1)
			Acetone	67-64-1	2	µg/L	(1)
			Acetonitrile	75-05-8	10	µg/L	(1)
			Benzene	71-43-2	1	µg/L	(1)
			Bromobenzene	108-86-1	1	µg/L	(1)
			Bromodichloromethane	75-27-4	1	µg/L	(1)
			Bromoform	75-25-2	1	µg/L	(1)
			Bromomethane	74-83-9	2	µg/L	(1)
			Carbon disulfide	75-15-0	1	µg/L	(1)
			Carbon tetrachloride	56-23-5	1	µg/L	(1)
			Chlorobenzene	108-90-7	1	µg/L	(1)
			Chlorobromomethane	74-97-5	1	µg/L	(1)
			Chlorodibromomethane	124-48-1	1	µg/L	(1)
			Chloroethane	75-00-3	2	µg/L	(1)
			Chloroform	67-66-3	1	µg/L	(1)
			Chloromethane	74-87-3	2	µg/L	(1)
			cis-1,2-Dichloroethene	156-59-2	1	µg/L	(1)
			cis-1,3-Dichloropropene	10061-01-5	1	µg/L	(1)
			Cymene (Isopropyltoluene)	99-87-6	1	µg/L	(1)
			Dibromochloroethane	73506-94-2	1	µg/L	(1)
			Dibromochloromethane	124-48-1	1	µg/L	(1)
			Dibromochloropropane	96-12-8	1	µg/L	(1)
			Dibromomethane	74-95-3	1	µg/L	(1)
			Dichloromethane (methylene chloride)	75-09-2	1	µg/L	(1)
			Dimethyldisulfide	624-92-0	5	µg/L	(1)
			Ethanol	64-17-5	250	µg/L	(1)
			Ethylbenzene	100-41-4	1	µg/L	(1)
			Freon-11 (trichlorofluoromethane)	75-69-4	1	µg/L	(1)
			Freon-113 (1,1,2-trifluoro-1,2,2-trichloroethane)	76-13-1	1	µg/L	(1)
			Freon-12 (dichlorodifluoromethane)	75-71-8	2	µg/L	(1)
Heptane	142-82-5	1	µg/L	(1)			
Isoheptane (same as 2-methylhexane)	31394-54-4	TBD	µg/L	(1)			

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**Table 1. Site-Related Chemicals
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Preparation Method	Analytical Method	Compound List	CAS Number	Laboratory Limits ^a		Analysis Code ^b
Volatile organic compounds (continued)	EPA 5030B	EPA 8260B ^e	Isopropylbenzene	98-82-8	1	µg/L	(1)
			m,p-Xylene	mp-XYL	2	µg/L	(1)
			Methyl ethyl ketone (2-butanone)	78-93-3	5	µg/L	(1)
			Methyl iodide	74-88-4	2	µg/L	(1)
			MTBE (methyl tertiary-butyl ether)	1634-04-4	2	µg/L	(1)
			n-Butyl benzene	104-51-8	1	µg/L	(1)
			n-Propylbenzene	103-65-1	1	µg/L	(1)
			Nonanal	124-19-6	5	µg/L	(1)
			o-Xylene	95-47-6	1	µg/L	(1)
			sec-Butylbenzene	135-98-8	1	µg/L	(1)
			Styrene	100-42-5	1	µg/L	(1)
			tert-Butyl benzene	98-06-6	1	µg/L	(1)
			Tetrachloroethene	127-18-4	1	µg/L	(1)
			Toluene	108-88-3	1	µg/L	(1)
			trans-1,2-Dichloroethene	156-60-5	1	µg/L	(1)
			trans-1,3-Dichloropropene	10061-02-6	1	µg/L	(1)
			Trichloroethene	79-01-6	1	µg/L	(1)
			Vinyl acetate	108-05-4	2	µg/L	(1)
Vinyl chloride	75-01-4	2	µg/L	(1)			
Xylenes (total)	1330-20-7	3	µg/L	(1)			
Water quality parameters	EPA 120.1	EPA 120.1	Conductivity	COND	10	µmhos/cm	(1)
	EPA 130.2	EPA 130.2	Hardness, total	Hardness	5	mg/L	(1)
	EPA 160.1	EPA 160.1	Total dissolved solids	TDS	5	mg/L	(1)
	EPA 160.2	EPA 160.2	Total suspended solids	TSS	5	mg/L	(1)
	EPA 310.1	EPA 310.1	Alkalinity, total (as CaCO ₃)	ALK	5	mg/L	(1)
			Bicarbonate alkalinity	71-52-3	5	mg/L	(1)
			Carbonate alkalinity	3812-32-6	5	mg/L	(1)
		Hydroxide alkalinity	OH-ALK	5	mg/L	(1)	
White phosphorus	EPA 7580M	EPA 7580M	White phosphorus	12185-10-3	TBD	mg/L	(1)
Methyl mercury	EPA 1630	EPA 1630	Methyl mercury	22967-92-6	TBD	mg/L	(1)

^a Based on laboratory limits for primary laboratory (TestAmerica).

Laboratory limits are subject to matrix interferences and may not always be achieved in all samples.

* = Activities for specific radionuclide will be back-quantitated from those analyzed.

^b Analysis codes:

(1) These chemicals are included in the analytical program (Table 2).

(2) These chemicals are not analyzed for in water, or they show up in this table as individual isomers.

**Table 1. Site-Related Chemicals
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Preparation Method	Analytical Method	Compound List	CAS Number	Laboratory Limits ^a	Analysis Code ^b
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^c TestAmerica-Richland, WA method.

^d Method 3540 for extraction and method 3640 for cleanup are to be used as appropriate.

^e The laboratory is instructed to report the top 25 tentatively identified compounds (TICs) under methods 8260B and 8270C.

^f For polynuclear aromatic hydrocarbons, method 8270C is the primary analytical method, but method 8310 may be used if necessary.

NA = Not applicable.

TBD = To be determined by the laboratory prior to sample analysis and submitted for approval.

**Table 2. Analytical Laboratories, Methods, Sample Containers, Preservation, and Holding Times
2009 Monitoring Event (August-October 2009)
BMI Common Areas (Eastside), Clark County, Nevada**

Laboratory	Parameter of Interest	Method	Compound	Container (per sample)			Holding Time
				Quantity	Type	Preservative	
TestAmerica-St. Louis 13715 Rider Trail North Earth City, MO 63045-1205	Water quality parameters	EPA 120.1	Conductivity	1	1-L poly	None	28 days
		EPA 160.1	Total dissolved solids				7 days
		EPA 160.2	Total suspended solids				7 days
		SM18 2340B	Ion balance				NA
		EPA 310.1	Alkalinity				14 days
		EPA 310.1	Bicarbonate alkalinity				14 days
		EPA 310.1	Carbonate alkalinity				14 days
		EPA 310.1	Hydroxide alkalinity				14 days
	General chemistry parameters	EPA 350.1	Ammonia	1	1-L poly	H ₂ SO ₄	28 days
		EPA 9012A	Cyanide	1	500 mL poly	NaOH	14 days
		EPA 9040B	pH	1	250 ml Poly	None	24 hours
		EPA 376.1	Sulfide	1	500 mL poly	NaOH/ Zinc acetate	7 days
		EPA 9060	Total inorganic carbon	1	1-L poly	H ₂ SO ₄	14 days
		EPA 351.2	Total Kjeldahl nitrogen				28 days
		EPA 9060	Total organic carbon				14 days
	Hardness/total metals	EPA 130.2	Hardness, total	1	500 mL Poly	HNO ₃	180 days
		SW6010/6020 Collision cell method	Refer to Appendix C3				180 days
		SW7470	Mercury				28 days
	Dissolved metals	SW6010/6020 Collision cell method	Dissolved metals	1	500 mL Poly	Filter in field/ Preserve with HNO ₃	24 hours
		SW7470	Mercury				24 hours
	Organochlorine pesticides (OCPs)	EPA 8081A	Refer to Appendix C2	2	1 L Amber	None	7 days to extraction/ 40 days to analysis

Table 2
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**Table 2. Analytical Laboratories, Methods, Sample Containers, Preservation, and Holding Times
2009 Monitoring Event (August-October 2009)
BMI Common Areas (Eastside), Clark County, Nevada**

Laboratory	Parameter of Interest	Method	Compound	Container (per sample)			Holding Time
				Quantity	Type	Preservative	
TestAmerica-St. Louis (cont.)	Volatile organic compounds	SW8260B	Refer to Appendix C1	3	40-mL VOA	HCl	14 days
	Anions	EPA 300.0	Bromide	1	1 L Poly	None	28 days
			Bromine				28 days
			Chlorate				28 days
			Chloride				28 days
			Chlorine (calculation)				28 days
			Fluoride				28 days
			Iodine				28 days
			Nitrate				48 hours
			Nitrite				48 hours
			Orthophosphate				48 hours
			Sulfate				28 days
	LC/MS SW846 6850	Perchlorate	1	250 ml Poly	None	28 days	
TestAmerica-Irvine 1 1014 E. Cooley Drive, Ste A Colton, CA 92324	Anions	EPA 300.1	Chlorite	1	125 mL brown poly	EDA	28 days
GEL 2040 Savage Road Charleston, SC 29407	Radiochemistry	Various	Refer to Appendix C6	2	1 L Poly	HNO ₃	180 days
Lancaster Laboratory 2425 New Holland Pike Lancaster, PA 17605-2425	Anions	LC/MS SW846 6850	Perchlorate	1	250 ml Poly	None	28 days
	Metals	SW-846 6020 Collision Cell	Arsenic, chromium	1	500 mL poly	HNO ₃	180 days
Isotech Laboratories 1308 Parkland Court Champaign, IL 61821	Isotopes	Equalization	Delta ¹⁸ O Delta ² H	1	1L Poly	None	None

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**Table 2. Analytical Laboratories, Methods, Sample Containers, Preservation, and Holding Times
2009 Monitoring Event (August-October 2009)
BMI Common Areas (Eastside), Clark County, Nevada**

Laboratory	Parameter of Interest	Method	Compound	Container (per sample)			Holding Time
				Quantity	Type	Preservative	
Advanced Tech Lab (ATL) 3151 W. Post Rd Las Vegas, NV	Hexavalent chromium	SW7196A/SW7199	Cr ⁺⁶	1	500 mL Poly	None	24 hours
ALS 960 West LeVoy Drive Salt Lake City, UT 84123	White phosphorus ^a	EPA 7580	White phosphorus	1	500 mL glass with Teflon lid liner	None	24 hours

^a Samples were not collected or analyzed for white phosphorus. White phosphorus was not analyzed during April, July, and October 2006 sampling.

EPA = U.S. Environmental Protection Agency

Delta¹⁸O = Stable Isotopes of oxygen (¹⁸O/¹⁶O)

Delta²H = Stable isotopes of hydrogen (deuterium [²H] to protium [1H])

Cr⁺⁶ = Hexavalent Chromium

mL = milliliter

L = liter

NA = Not applicable

H₂SO₄ = Sulfuric acid

HNO₃ = Nitric acid

HCl = Hydrochloric acid

EDA = Ethylenediamine

**Table 3. Monitoring Wells Used for Groundwater Level Measurement Only
2009 Event (August 2009)
BMI Common Areas (Eastside), Clark County, Nevada**

Well ID	Water Level Measurements Only
AA-11	Yes
AA-14	Yes
AA-15	Yes
AA-19	Yes
BEC-4	Yes
BEC-10	Yes
COH-1A	Yes
DBMW-6	Yes
DBMW-18	Yes
DM-4	Yes
DM-5	Yes
DM-7B	Yes
DM-8	Yes
DM-9	Yes
HMW-16	Yes
HMWWT-4	Yes
MCF-32A	Yes
MW-1	Yes
PC-1	Yes
PC-19	Yes
PC-21	Yes
PC-31	Yes
PC-40	Yes
PC-50	Yes
PC-54	Yes
PC-56	Yes
PC-58	Yes
PC-62	Yes
PC-64	Yes
PC-82	Yes
PC-83	Yes
PC-86	Yes
PC-92	Yes
PC-103	Yes
PC-104	Yes
POD-2	Yes
POD-4	Yes
POD-7	Yes
TMPZ-111	Yes
TWC-126	Yes
TWE-107	Yes
TWI	Yes
W02	Yes

**Table 4. Well Construction Details, August 2009
BMI Common Areas (Eastside), Clark County, Nevada**

Well	Owner or Property	Top of Casing Elevation (ft msl)	Install Date	Grade Elevation (ft msl)	Northing	Easting	Casing/Screen Material	Casing Diameter (inches)	Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Screen Top Elevation (ft msl)	Screen Bottom Elevation (ft msl)	Depth to Qal/UMCf Contact (ft bgs)	Qal/UMCf Contact Elevation (ft msl)	Total Borehole Depth (ft bgs)	Water-Bearing Zone (Shallow, Middle, Deep)	Screened Lithologic Unit	Screened Qal Interval (ft bgs)	Screened UMCf Interval (ft bgs)	Screened Qal Interval (ft bgs)	Screened UMCf Interval (ft bgs)
AA-01	BRC	1757.13	02/25/04	1754.93	26720238.4730	830921.1210	Sch 80 PVC	4	29	49	1725.93	1705.93	49	1705.93	400	Shallow	Qal	29	49	—	—
AA-07	BRC	1612.70	04/15/04	1610.07	26729569.8480	837113.5950	Sch 80 PVC	4	30	50	1580.07	1560.07	51.5	1558.57	255	Shallow	Qal	30	50	—	—
AA-08	BRC	1580.82	03/19/04	1579.02	26733221.8580	827753.9620	Sch 80 PVC	4	5	35	1574.02	1544.02	68	1511.02	37	Shallow	Qal	5	35	—	—
AA-09	BRC	1695.87	04/17/04	1694.26	26723427.1130	831024.2700	Sch 80 PVC	4	30	65	1664.26	1629.26	70	1624.26	67	Shallow	Qal	30	65	—	—
AA-10	BRC	1615.12	04/08/04	1613.32	26730015.3560	825973.7160	Sch 80 PVC	4	10	40	1603.32	1573.32	47.5	1565.82	47	Shallow	Qal	10	40	—	—
AA-11	BRC	1660.05	04/01/04	1658.00	26725458.7830	830672.6610	Sch 80 PVC	4	9	29	1649.00	1629.00	27.5	1630.50	400	Shallow	Qal	9	29	—	—
AA-13	BRC	1724.69	06/10/04	1722.37	26722860.9780	833889.3860	Sch 80 PVC	4	38	58	1684.37	1664.37	51	1671.37	98.5	Shallow	Qal/UMCf	38	51	51	58
AA-14	BRC	1701.05	06/16/04	1698.07	26724283.5390	833615.6730	Sch 80 PVC	4	33	58	1665.07	1640.07	58	1640.07	108.5	Shallow	Qal	33	58	—	—
AA-15	BRC	1658.13	06/20/04	1655.46	26726004.2310	831753.6960	Sch 80 PVC	4	20	40	1635.46	1615.46	28.5	1626.96	77	Shallow	Qal/UMCf	20	28.5	28.5	40
AA-18	BRC	1669.00	06/23/04	1665.60	26727656.3830	836690.8700	Sch 80 PVC	4	44.5	64.5	1621.10	1601.10	57	1608.60	257	Shallow	Qal/UMCf	44.5	57	57	64.5
AA-19	BRC	1642.32	07/10/04	1639.84	26727447.0970	832521.4350	Sch 80 PVC	4	22	42	1617.84	1597.84	38.5	1601.34	98.5	Shallow	Qal/UMCf	22	38.5	38.5	42
AA-20	BRC	1628.49	07/11/04	1626.07	26728007.7050	831811.8440	Sch 80 PVC	4	10	30	1616.07	1596.07	27	1599.07	77.5	Shallow	Qal/UMCf	10	27	27	30
AA-21	BRC	1584.20	04/01/04	1583.13	26734078.7830	826148.0800	Sch 80 PVC	4	9	39	1574.13	1544.13	39	1544.13	45	Shallow	Qal	9	39	—	—
AA-22	BRC	1581.53	04/02/04	1579.88	26731586.0120	833425.5870	Sch 80 PVC	4	11	31	1568.88	1548.88	31	1548.88	40	Shallow	Qal	11	31	—	—
AA-23 (ab)	BRC	1536.54	5/9/2004	1533.95	26732387.1520	834561.7660	Sch 80 PVC	4	4	24	1529.95	1509.95	20	1513.95	26	Shallow	Qal	4	24	—	—
AA-23-R	BRC	—	6/2/2007	1545.04	26731979.7760	833853.0596	Sch 40 PVC	4	20	45	1525.04	1500.04	32	1513.04	45	Shallow	Qal/UMCf	20	32	32	45
AA-26	BRC	1566.67	07/15/04	1563.56	26733349.1490	840176.4930	Sch 80 PVC	4	32	52	1531.56	1511.56	79	1484.56	120	Shallow	Qal	32	52	—	—
AA-27	BRC	1789.43	07/06/04	1787.03	26719293.0620	832488.1050	Sch 80 PVC	4	61.5	81.5	1725.53	1705.53	142	1645.03	143	Shallow	Qal	61.5	81.5	—	—
AA-30	BRC	1533.337	05/08/09	1529.838	26733691.7000	836125.9120	Sch 80 PVC	4	11.7	31.7	1518.14	1498.14	32	1497.84	32	Shallow	Qal	11.7	31.7	—	—
AA-UW1	BRC	1774.45	7/30/2007	1771.22	26719622.4320	831431.7840	Sch 40 PVC	4	54.5	64.5	1716.72	1706.72	55	1716.22	65	Shallow	UMCf	—	—	55	64.5
AA-UW2	BRC	1821.36	8/3/2007	1817.63	26718136.9460	832813.7090	Sch 40 PVC	4	55	75	1762.63	1742.63	62	1755.63	75	Shallow	Qal/UMCf	55	62	62	75
AA-UW3	BRC	1812.72	8/6/2007	1809.07	26718940.8340	834787.9160	Sch 40 PVC	4	60	80	1749.07	1729.07	65	1744.07	80	Shallow	Qal/UMCf	60	65	65	80
AA-UW4	BRC	1800.28	8/7/2007	1796.79	26720026.3300	836520.8950	Sch 40 PVC	4	35	55	1761.79	1741.79	32	1764.79	55	Shallow	UMCf	—	—	35	55
AA-UW5	BRC	1768.68	8/8/2007	1765.05	26722955.8960	838140.3520	Sch 40 PVC	4	37	57	1728.05	1708.05	45	1720.05	60	Shallow	Qal/UMCf	37	45	45	57
AA-UW6	BRC	1740.81	8/8/2007	1737.01	26725569.5110	839433.7800	Sch 40 PVC	4	37	57	1700.01	1680.01	33	1704.01	60	Shallow	UMCf	—	—	37	57
BEC-10	BRC	1657.39	09/21/01	1657.38	26727623.5000	835778.5580	PVC	4	73.0	88.0	1584.38	1569.38	30	1627.38	90	Shallow	UMCf	—	—	73.0	88.0
BEC-4	BRC	1681.34	09/27/01	—	26723946.7200	830699.3290	PVC	4	25.0	40.0	—	—	39	—	41.5	Shallow	Qal	25	39	—	—
BEC-6	BRC	1725.52	09/17/01	1725.26	26724104.5600	835794.8580	Sch 40 PVC	4	65.0	80.0	1660.26	1645.26	55	1670.26	80	Shallow	UMCf	—	—	65	80
BEC-9	BRC	1617.74	09/24/01	1647.74	26727221.5000	833049.5210	Sch 40 PVC	4	44.0	59.0	1603.74	1588.74	36.5	1611.24	60.3	Shallow	UMCf	—	—	44	59
COH-1	City of Henderson	1550.11	7/8/2002	1550.11	26734350.0000	832839.1000	Sch 40 PVC	2	157.9	167.9	1392.21	1382.21	24	1526.11	171.6	Middle	UMCf	—	—	157.9	167.9
COH-1A	City of Henderson	1549.43	7/8/2002	1549.43	26734355.0000	832839.1000	PVC	2	10.0	20.0	1539.43	1529.43	21	1528.43	20	Shallow	Qal	10	20	—	—
COH-2	City of Henderson	—	7/8/2002	—	26733634.0800	832572.5160	Sch 40 PVC	2	159.0	169.0	—	—	51.6	—	170.1	Middle	UMCf	—	—	159.0	169.0

**Table 4. Well Construction Details, August 2009
BMI Common Areas (Eastside), Clark County, Nevada**

Well	Owner or Property	Top of Casing Elevation (ft msl)	Install Date	Grade Elevation (ft msl)	Northing	Easting	Casing/Screen Material	Casing Diameter (inches)	Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Screen Top Elevation (ft msl)	Screen Bottom Elevation (ft msl)	Depth to Qal/UMCf Contact (ft bgs)	Qal/UMCf Contact Elevation (ft msl)	Total Borehole Depth (ft bgs)	Water-Bearing Zone (Shallow, Middle, Deep)	Screened Lithologic Unit	Screened Qal Interval (ft bgs)	Screened UMCf Interval (ft bgs)		
COH-2A	City of Henderson	—	7/8/2002	—	26733644.4250	832549.3380	Sch 40 PVC	2	40.0	50.0	—	—	51.6	—	52	Shallow	Qal	40	50	—	—
DBMW-1	BRC	1626.46	6/19/2007	1623.99	26727999.2880	830469.5490	Sch 40 PVC	4	19	49	1604.99	1574.99	40	1583.99	50	Shallow	Qal/UMCf	19	40	40	49
DBMW-10	BRC	1663.96	6/26/2007	1660.83	26727918.5710	836955.5910	Sch 40 PVC	4	54.5	74.5	1606.33	1586.33	60	1600.83	75	Shallow	Qal/UMCf	54.5	60	60	74.50
DBMW-11	BRC	1667.46	7/7/2007	1664.20	26727990.8000	837595.5640	Sch 40 PVC	4	45	75	1619.20	1589.20	30	1634.20	70	Shallow	UMCf	—	—	45	75
DBMW-12	BRC	1669.68	7/7/2007	1666.36	26727975.8370	838000.9650	Sch 40 PVC	4	45	75	1621.36	1591.36	30	1636.36	75	Shallow	UMCf	—	—	45	75
DBMW-13	BRC	1678.79	7/8/2007	1675.93	26727960.5270	838576.9590	Sch 40 PVC	4	45	75	1630.93	1600.93	30	1645.93	75	Shallow	UMCf	—	—	45	75
DBMW-14	BRC	1684.96	7/10/2007	1681.89	26727957.6190	838987.2600	Sch 40 PVC	4	35	65	1646.89	1616.89	36	1645.89	65	Shallow	UMCf	—	—	36	65
DBMW-15	BRC	1693.2	7/16/2007	1690.25	26727964.3140	839477.5020	Sch 40 PVC	4	40	65	1650.25	1625.25	36	1654.25	65	Shallow	UMCf	—	—	40	65
DBMW-16	BRC	1694.14	7/19/2007	1691.08	26728557.0260	840514.7840	Sch 40 PVC	4	85	110	1606.08	1581.08	95	1596.08	110	Shallow	Qal/UMCf	85	95	95	110
DBMW-17	BRC	1712.38	7/19/2007	1709.57	26728097.2720	840772.2740	Sch 40 PVC	4	52	72	1657.57	1637.57	64	1645.57	75	Shallow	Qal/UMCf	52	64	64	72
DBMW-18	BRC	1717.15	7/17/2007	1714.11	26727750.5320	840571.3440	Sch 40 PVC	4	45	65	1669.11	1649.11	47	1667.11	65	Shallow	Qal/UMCf	45	47	47	65
DBMW-19	BRC	1583.4	7/24/2007	1580.74	26731383.2290	831488.7370	Sch 40 PVC	4	15	40	1565.74	1540.74	30	1550.74	40	Shallow	Qal/UMCf	15	30	30	40
DBMW-2	BRC	1627	6/18/2007	1625.01	26728059.4380	830530.2770	Sch 40 PVC	4	20	40	1605.01	1585.01	44.5	1580.51	50	Shallow	Qal	20	40	—	—
DBMW-20	BRC	—	8/15/2007	1519.81	26734838.7133	838723.2506	Sch 40 PVC	4	20	70	1499.81	1449.81	52	1467.81	70	Shallow	Qal/UMCf	20	52	52	70
DBMW-22	BRC	1535.61	8/13/2007	1532.58	26733030.5170	839140.7410	Sch 40 PVC	4	35	55	1497.58	1477.58	15	1517.58	55	Shallow	UMCf	—	—	35	55
DBMW-3	BRC	1625.86	6/20/2007	1623.40	26728150.1790	831032.8100	Sch 40 PVC	4	19	39	1604.40	1584.40	31	1592.40	40	Shallow	Qal/UMCf	19	31	31	39
DBMW-4	BRC	1605.81	7/23/2007	1603.42	26729903.2970	832295.9820	Sch 40 PVC	4	10	30	1593.42	1573.42	25	1578.42	40	Shallow	Qal/UMCf	10	25	25	30
DBMW-5	BRC	1609.65	7/22/2007	1607.19	26729807.5610	833398.9780	Sch 40 PVC	4	15	35	1592.19	1572.19	12	1595.19	35	Shallow	UMCf	—	—	15	35
DBMW-6	BRC	1632.63	6/21/2007	1629.97	26728947.3050	834409.6110	Sch 40 PVC	4	30	50	1599.97	1579.97	39	1590.97	50	Shallow	Qal/UMCf	30	39	39	50
DBMW-7	BRC	1631.73	6/23/2007	1629.15	26729070.0390	835304.8970	Sch 40 PVC	4	50	70	1579.15	1559.15	41	1588.15	70	Shallow	UMCf	—	—	50	70
DBMW-8	BRC	1632.05	6/24/2007	1629.46	26729027.2130	835406.8700	Sch 40 PVC	4	47.5	67.5	1581.96	1561.96	41	1588.46	70	Shallow	UMCf	—	—	47.5	67.5
DBMW-9	BRC	1659.92	6/25/2007	1656.76	26727788.8470	836248.4250	Sch 40 PVC	4	54	74	1602.76	1582.76	40	1616.76	75	Shallow	UMCf	—	—	54	74
DM-1	BRC	1727.21	11/19/92	1729.11	26722024.6540	832745.0110	Sch 40 PVC	2	30.0	55	1699.11	1674.11	55	1674.11	55	Shallow	Qal	30	55	—	—
DM-4	BRC	1621.02	10/20/95	1620.93	26728130.5990	830802.1700	PVC	2	8.1	23.1	1612.83	1597.83	24	1596.93	26.5	Shallow	Qal	8.1	23.1	—	—
DM-5	BRC	1623.90	10/20/95	1623.82	26728698.7540	833187.2050	PVC	2	6.9	21.9	1616.92	1601.92	23	1600.82	26.5	Shallow	Qal	6.9	21.9	—	—
DM-7B	BRC	1663.3	09/03/96	1660.24	26727896.4920	837165.6550	PVC	2	54.9	69.9	1605.34	1590.34	30	1630.24	70	Shallow	UMCf	—	—	54.9	69.9
DM-8	BRC	1684.78	10/16/96	1682.22	26727795.1750	838790.5560	PVC	2	19.0	39.0	1663.22	1643.22	38	1644.22	40	Shallow	Qal	19	38	—	—
DM-9	BRC	1704.7	10/16/96	1702.68	26725421.1400	836017.8510	PVC	2	40.0	60.0	1662.68	1642.68	55	1647.68	61	Shallow	Qal/UMCf	40	55	55	60
HMW-08	City of Henderson	1545.30	—	1543.01	26733456.6877	833956.4390	PVC	2	21.0	41.0	1522.01	1502.01	62	1481.01	41.5	Shallow	Qal	21	41	—	—
HMW-09	City of Henderson	1543.60	—	1543.66	26733362.3178	833045.8666	PVC	—	10.0	20.0	1533.66	1523.66	—	—	45.5	Shallow	Qal	10	20	—	—
HMW-16	City of Henderson	1622.10	—	1621.77	26728531.0000	827090.0000	PVC	2	8.0	23.0	1613.77	1598.77	—	—	—	Shallow	—	—	—	—	—
HMWWT-4	City of Henderson	—	04/17/91	1741.00	26721385.6000	832430.0000	PVC	2	36.0	51.0	1705.00	1690.00	30	1711.00	51	Shallow	UMCf	—	—	36.0	51.0

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Well	Owner or Property	Top of Casing Elevation (ft msl)	Install Date	Grade Elevation (ft msl)	Northing	Easting	Casing/Screen Material	Casing Diameter (inches)	Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Screen Top Elevation (ft msl)	Screen Bottom Elevation (ft msl)	Depth to Qal/UMCf Contact (ft bgs)	Qal/UMCf Contact Elevation (ft msl)	Total Borehole Depth (ft bgs)	Water-Bearing Zone (Shallow, Middle, Deep)	Screened Lithologic Unit	Screened Qal Interval (ft bgs)	Screened UMCf Interval (ft bgs)		
HMWWT-6	City of Henderson	1774.04	04/18/91	1774.31	26722112.8230	837455.7920	Sch 40 PVC	2	36.0	51.0	1738.31	1723.31	30	1744.31	51	Shallow	UMCf	—	—	36.0	51.0
HMWWT-8	City of Henderson	1766.00	04/17/91	1766.00	26720421.6000	833239.4000	PVC	2	56.0	71.0	1710.00	1695.00	50	1716.00	71	Shallow	UMCf	—	—	56.0	71.0
MCF-01A	BRC	1756.61	05/21/04	1754.44	26720244.8600	830905.3010	Sch 80 PVC	4	335	355	1419.44	1399.44	52.5	1701.94	359.5	Deep	UMCf	—	—	335	355
MCF-01B	BRC	1756.28	05/22/04	1753.95	26720256.8310	830888.5940	Sch 80 PVC	4	55	85	1698.95	1668.95	49	1704.95	92	Shallow	UMCf	—	—	55	85
MCF-02A	BRC	1818.42	03/08/04	1816.44	26718435.2410	833801.4130	Sch 80 PVC	4	360	380	1456.44	1436.44	78	1738.44	398	Deep	UMCf	—	—	360	380
MCF-02B	BRC	1819.38	06/04/04	1816.36	26718432.1570	833785.6750	Sch 80 PVC	4	215	235	1601.36	1581.36	77	1739.36	380	Middle	UMCf	—	—	215	235
MCF-03A	BRC	1784.06	02/14/04	1783.23	26721058.7820	836835.2580	Sch 80 PVC	4	364	384	1419.23	1399.23	38	1745.23	430	Deep	UMCf	—	—	364	384
MCF-03B	BRC	1785.72	06/07/04	1783.46	26721066.6010	836813.1700	Sch 80 PVC	4	57	77	1726.46	1706.46	40	1743.46	150	Shallow	UMCf	—	—	57	77
MCF-04	BRC	1750.42	02/20/04	1748.35	26723668.5620	837630.2300	Sch 80 PVC	4	379	399	1369.35	1349.35	40	1708.35	420	Deep	UMCf	—	—	379	399
MCF-05	BRC	1627.37	07/14/04	1625.03	26728512.8380	832871.2090	Sch 80 PVC	4	221	231	1404.03	1394.03	17	1608.03	237	Middle	UMCf	—	—	221	231
MCF-06A (ab)	BRC	1590.69	3/5/04	1588.80	26729273.8480	834909.2240	Sch 80 PVC	4	373.5	393.5	1215.30	1195.30	30	1558.80	396	Deep	UMCf	—	—	373.5	393.5
MCF-06A-R	BRC	1632.84	3/31/08	1630.32	26729029.9910	834925.1770	Sch 80 PVC	4	353	373	1277.32	1257.32	43	1587.32	365	Deep	UMCf	—	—	353	373
MCF-06B	BRC	1633.18	07/12/04	1630.40	26729012.4180	834930.9200	Sch 80 PVC	4	67	82	1563.40	1548.40	43	1587.40	266	Shallow	UMCf	—	—	67	82
MCF-06C	BRC	1633.12	07/13/04	1630.42	26729004.5850	834945.8400	Sch 80 PVC	4	44	59	1586.42	1571.42	43	1587.42	67.42	Shallow	UMCf	—	—	43	59
MCF-07	BRC	1612.63	05/09/04	1610.12	26729559.5220	837100.4230	Sch 80 PVC	4	350	370	1260.12	1240.12	44.5	1565.62	400	Deep	UMCf	—	—	350	370
MCF-08A	BRC	1581.24	05/23/04	1578.43	26733214.2490	827771.6960	Sch 80 PVC	4	350	370	1228.43	1208.43	68	1510.43	400	Deep	UMCf	—	—	350	370
MCF-08B (ab)	BRC	1581.24	05/23/04	1578.43	26733214.2490	827771.6960	Sch 80 PVC	4	107.5	137.5	1470.93	1440.93	53	1525.43	139.3	Middle	UMCf	—	—	107.5	137.5
MCF-08B-R	BRC	1580.10	4/2/08	1577.82	26733205.9450	827781.6210	Sch 80 PVC	4	116.5	136.5	1461.32	1441.32	39	1538.82	140	Middle	UMCf	—	—	116.5	136.5
MCF-09A	BRC	1695.77	06/18/04	1693.00	26723449.6210	831019.1850	Sch 80 PVC	4	270	290	1423.00	1403.00	70	1623.00	400	Deep	UMCf	—	—	270	290
MCF-09B	BRC	1696.23	06/09/04	1694.11	26723441.4000	831041.5870	Sch 80 PVC	4	105	125	1589.11	1569.11	70	1624.11	230	Middle	UMCf	—	—	105	125
MCF-10A	BRC	1615.86	06/17/04	1612.38	26730022.8090	825951.4010	Sch 80 PVC	4	365	385	1247.38	1227.38	47.5	1564.88	400	Deep	UMCf	—	—	365	385
MCF-10B	BRC	1615.35	06/16/04	1612.54	26730040.8010	825935.1610	Sch 80 PVC	4	84	104	1528.54	1508.54	44	1568.54	330	Middle	UMCf	—	—	84	104
MCF-11	BRC	1659.95	07/02/04	1657.75	26725461.4590	830656.1630	Sch 80 PVC	4	93.5	103.5	1564.25	1554.25	32	1625.75	287	Middle	UMCf	—	—	93.5	103.5
MCF-12A	BRC	1716.16	04/04/04	1713.68	26727429.2730	840058.7570	Sch 80 PVC	4	349.5	369.5	1364.18	1344.18	51.5	1662.18	400	Deep	UMCf	—	—	349.5	369.5
MCF-12B	BRC	1714.88	04/22/04	1712.74	26727441.7700	840046.0100	Sch 80 PVC	4	64	84	1648.74	1628.74	51.5	1661.24	370	Shallow	UMCf	—	—	64	84
MCF-12C	BRC	1715.27	04/24/04	1713.03	26727428.9120	840042.0630	Sch 80 PVC	4	155	175	1558.03	1538.03	51.5	1661.53	180	Middle	UMCf	—	—	155	175
MCF-16A	BRC	1691.66	03/24/04	1689.67	26726023.3050	835886.9030	Sch 80 PVC	4	364.5	384.5	1325.17	1305.17	70	1619.67	400	Deep	UMCf	—	—	364.5	384.5
MCF-16B	BRC	1692.26	06/03/04	1689.75	26726026.5300	835867.5730	Sch 80 PVC	4	283.7	313.7	1406.05	1376.05	47	1642.75	368.5	Middle	UMCf	—	—	283.7	313.7
MCF-16C	BRC	1691.98	06/05/04	1689.88	26726030.1780	835846.3790	Sch 80 PVC	4	53	73	1636.88	1616.88	70	1619.88	77	Shallow	Qal/UMCf	53	70	70	73
MCF-17A	BRC	1600.95	05/10/08	1597.65	26732675.0000	825853.0000	Sch 80 PVC	4	367	387	1230.65	1210.65	46	1551.65	97	Deep	UMCf	—	—	367	387
MCF-18A	BRC	1577.67	03/05/08	1574.16	26731588.0000	831874.0000	Sch 80 PVC	4	380	400	1194.16	1174.16	21	1553.16	402.5	Deep	UMCf	—	—	380	400
MCF-19A	BRC	1627.97	03/17/08	1625.00	26728055.0000	830525.0000	Sch 80 PVC	4	340	360	1285.00	1265.00	34.5	1590.50	403	Deep	UMCf	—	—	340	360

**Table 4. Well Construction Details, August 2009
BMI Common Areas (Eastside), Clark County, Nevada**

Well	Owner or Property	Top of Casing Elevation (ft msl)	Install Date	Grade Elevation (ft msl)	Northing	Easting	Casing/Screen Material	Casing Diameter (inches)	Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Screen Top Elevation (ft msl)	Screen Bottom Elevation (ft msl)	Depth to Qal/UMCf Contact (ft bgs)	Qal/UMCf Contact Elevation (ft msl)	Total Borehole Depth (ft bgs)	Water-Bearing Zone (Shallow, Middle, Deep)	Screened Lithologic Unit	Screened Qal Interval (ft bgs)	Screened UMCf Interval (ft bgs)		
MCF-20A	BRC	1626.41	03/26/08	1623.53	26728861.0000	833377.0000	Sch 80 PVC	4	360	380	1263.53	1243.53	17	1606.53	381.5	Deep	UMCf	—	—	360	380
MCF-21A	BRC	1663.70	05/15/08	1663.63	26727963.0000	838100.0000	Sch 80 PVC	4	350	370	1313.63	1293.63	25	1638.63	370	Deep	UMCf	—	—	350	370
MCF-22A	BRC	1681.55	04/29/08	1680.62	26729054.0000	840735.0000	Sch 80 PVC	4	361.5	381.5	1319.12	1299.12	65	1615.62	385	Deep	UMCf	—	—	361.5	381.5
MCF-23	BRC	1538.75	04/26/04	1536.67	26732404.9520	834539.5090	Sch 80 PVC	4	195.0	205.0	1341.67	1331.67	19.2	1517.47	405	Deep	UMCf	—	—	195.0	205.0
MCF-23A	BRC	1546.90	05/21/08	1543.86	26726167.0000	830403.0000	Sch 80 PVC	4	362	382	1181.86	1161.86	22.5	1521.36	382	Deep	UMCf	—	—	362	382
MCF-24A	BRC	1676.98	04/17/08	1674.07	26725666.0000	833902.0000	Sch 80 PVC	4	355	375	1319.07	1299.07	43	1631.07	377.5	Deep	UMCf	—	—	355	375
MCF-24B	BRC	1684.604	06/20/09	1679.999	26725619.3400	833839.3550	Sch 80 PVC	4	150	170	1530.00	1510.00	48.5	1631.50	170	Middle	UMCf	—	—	150	170
MCF-25A	BRC	1711.57	04/12/08	1708.72	26722083.0000	830470.0000	Sch 80 PVC	4	345	365	1363.72	1343.72	38	1670.72	400	Deep	UMCf	—	—	345	365
MCF-27	BRC	1789.38	07/07/04	1786.85	26719301.6550	832471.3410	Sch 80 PVC	4	361.5	381.5	1425.35	1405.35	142	1644.85	400	Deep	UMCf	—	—	361.5	381.5
MCF-28A	BRC	1569.158	05/06/09	1564.729	26732313.6500	830679.5970	Sch 80 PVC	4	370	390	1194.73	1174.73	44	1520.73	397	Deep	UMCf	—	—	370	390
MCF-28B	BRC	1568.943	04/10/09	1565.239	26732313.0200	830661.5720	Sch 80 PVC	4	168	188	1397.24	1377.24	44	1521.24	397	Middle	UMCf	—	—	168	188
MCF-29A	BRC	1547.572	04/24/09	1543.475	26733436.5600	833957.8680	Sch 80 PVC	4	359.5	379.5	1183.98	1163.98	62	1481.48	380	Deep	UMCf	—	—	359.5	379.5
MCF-29B	BRC	1547.826	04/28/09	1543.518	26733444.9200	833954.6980	Sch 80 PVC	4	155	175	1388.52	1368.52	62	1481.52	380	Middle	UMCf	—	—	155	175
MCF-30A	BRC	1530.867	05/18/09	1527.604	26733724.1100	836135.1540	Sch 80 PVC	4	350	370	1177.60	1157.60	32	1495.60	370	Deep	UMCf	—	—	350	370
MCF-30B	BRC	1532.317	05/20/09	1528.839	26733707.0200	836130.6320	Sch 80 PVC	4	144	164	1384.84	1364.84	32	1496.84	370	Middle	UMCf	—	—	144	164
MCF-31A	BRC	1528.038	06/03/09	1523.82	26733550.2600	838327.1490	Sch 80 PVC	4	361	381	1162.82	1142.82	24.5	1499.32	381	Deep	UMCf	—	—	361	381
MCF-31B	BRC	1528.212	06/08/09	1523.953	26733552.2400	838313.9630	Sch 80 PVC	4	210	230	1313.95	1293.95	24.5	1499.45	381	Middle	UMCf	—	—	210	230
MCF-32A	BRC	1732.256	06/17/09	1727.881	26724066.5600	835743.7470	Sch 80 PVC	4	350	370	1377.88	1357.88	55.5	1672.38	371	Deep	UMCf	—	—	350	370
MCF-32B	BRC	1732.701	06/17/09	1728.311	26724074.9100	835753.1440	Sch 80 PVC	4	140	160	1588.31	1568.31	55.5	1672.81	371	Middle	UMCf	—	—	140	160
MW-1	City of Henderson	1526.5	8/27/1997	1524.1	26734848.8600	839445.1300	PVC	4	30	60	1494.10	1464.10	50	1474.10	61	Shallow	Qal/UMCf	30	50	50	60
MW-13	City of Henderson	1530.31	—	1528.36	26734741.2300	838307.0200	—	4	38	48	1490.36	1480.36	—	—	48	Shallow	—	—	—	—	
MW-15	City of Henderson	1582.82	—	—	26735162.9000	841228.1400	—	2	—	48	—	—	—	—	115	Shallow	—	—	—	—	
MW-3	City of Henderson	1513.31	8/4/1994	1511.12	26735455.2400	840598.2700	PVC	2	25	35	1486.12	1476.12	16	1495.12	35	Shallow	UMCf	—	—	25	35
MW-4	City of Henderson	1522.98	8/7/1994	1520.05	26733552.5600	838288.5900	PVC	2	20	30	1500.05	1490.05	24.5	1495.55	40	Shallow	Qal/UMCf	20	24.5	24.5	30
PC-1	Tronox	1599.13	03/24/98	1596.68	26730308.6460	830295.1130	PVC	2	14.7	29.7	1581.98	1566.98	32	1564.68	31	Shallow	Qal	14.7	29.7	—	—
PC-103	Tronox	1599.49	02/03/01	1597.02	26730205.7350	829110.8690	PVC	2	9.0	29.0	1588.02	1568.02	29	1568.02	30	Shallow	Qal	9.0	29.0	—	—
PC-104	Tronox	1596.68	02/03/01	1596.68	26731049.7050	829277.0840	PVC	2	10.0	35.0	1586.68	1561.68	35	1561.68	36	Shallow	Qal	10.0	35.0	—	—
PC-105	Tronox	1593.68	02/04/01	1591.27	26731425.8520	828827.4910	PVC	2	10.0	50.0	1581.27	1541.27	64	1527.27	50	Shallow	Qal	10.0	50.0	—	—
PC-106	Tronox	1601.85	02/04/01	1602.1	26730247.5060	827110.0560	PVC	2	5.0	35.0	1597.10	1567.10	33	1569.10	40	Shallow	Qal/UMCf	5	33	33	35
PC-107	Tronox	1616.94	02/05/01	1617.19	26729287.5790	827136.5000	PVC	2	7.7	17.7	1609.49	1599.49	20	1597.19	16	Shallow	Qal	7.7	17.7	—	—
PC-108	Tronox	1584.81	02/05/01	1584.96	26731913.0470	828526.9590	PVC	2	9.7	44.7	1575.26	1540.26	45	1539.96	55	Shallow	Qal	9.7	44.7	—	—
PC-12	Tronox	1616.37	04/13/97	1616.94	26728102.8660	829430.9820	PVC	2	14.8	29.8	1602.14	1587.14	31	1585.94	29.5	Shallow	Qal	14.8	29.8	—	—

**Table 4. Well Construction Details, August 2009
BMI Common Areas (Eastside), Clark County, Nevada**

Well	Owner or Property	Top of Casing Elevation (ft msl)	Install Date	Grade Elevation (ft msl)	Northing	Easting	Casing/Screen Material	Casing Diameter (inches)	Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Screen Top Elevation (ft msl)	Screen Bottom Elevation (ft msl)	Depth to Qal/UMCf Contact (ft bgs)	Qal/UMCf Contact Elevation (ft msl)	Total Borehole Depth (ft bgs)	Water-Bearing Zone (Shallow, Middle, Deep)	Screened Lithologic Unit	Screened Qal Interval (ft bgs)	Screened UMCf Interval (ft bgs)		
PC-19	Tronox	1617.62	04/06/98	1618.07	26728058.9850	828510.1970	PVC	2	15.0	60.0	1603.07	1558.07	62	1556.07	58	Shallow	Qal/UMCf	15.0	60.0	60	62
PC-2	Tronox	1597.07	03/23/98	1593.79	26730209.5850	830443.4540	PVC	2	16.7	31.7	1577.09	1562.09	31	1562.79	35	Shallow	Qal	16.7	31	—	—
PC-21	Tronox	1724.52	04/15/98	1722.2	26721332.7190	829269.5290	PVC	2	14.2	34.2	1708.00	1688.00	34.4	1687.80	33.5	Shallow	Qal	14.2	34.2	—	—
PC-24	Tronox	1633.48	04/14/98	1633.95	26726729.8210	829524.1840	PVC	2	15.0	30.0	1618.95	1603.95	28	1605.95	30	Shallow	Qal/UMCf	15	28	28	30
PC-28	Tronox	1650.85	04/23/98	1651.17	26725375.6670	828530.6490	PVC	2	10.0	19.5	1641.17	1631.67	18	1633.17	20	Shallow	Qal/UMCf	10	18	18	19.5
PC-31	Tronox	1657.86	04/21/98	1658.13	26725195.8320	826259.6300	PVC	2	15.0	49.5	1643.13	1608.63	52	1606.13	50	Shallow	Qal	15.0	49.5	—	—
PC-4	Tronox	1600.42	03/24/98	1597.13	26730353.4160	831171.8020	PVC	2	17.7	42.7	1579.43	1554.43	43.5	1553.63	45	Shallow	Qal	17.7	42.7	—	—
PC-40	Tronox	1679.23	04/28/98	1677.05	26723971.0440	826476.7790	PVC	2	15.0	55.0	1662.05	1622.05	60	1617.05	56	Shallow	Qal	15.0	55.0	—	—
PC-50	Tronox	1633.46	04/30/98	1633.49	26726722.2950	828326.9420	PVC	2	11.8	41.8	1621.69	1591.69	44	1589.49	35	Shallow	Qal	11.8	41.8	—	—
PC-54	Tronox	1704.43	05/04/98	1704.4	26722067.7870	828296.3390	PVC	2	10.0	34.5	1694.40	1669.90	38	1666.40	39.5	Shallow	Qal	10.0	34.5	—	—
PC-56	Tronox	1568.25	05/21/98	1568.99	26732289.5870	830645.2380	PVC	2	48.0	54.8	1520.99	1514.19	58	1510.99	52	Shallow	Qal	48.0	54.8	—	—
PC-58	Tronox	1568.014	05/21/98	1568.236	26732118.1830	831123.8330	PVC	2	7.8	32.8	1560.44	1535.44	36	1532.24	31.5	Shallow	Qal	7.8	32.8	—	—
PC-62	Tronox	1567.83	05/27/98	1568.45	26732733.6080	829764.3970	PVC	2	7.6	37.6	1560.85	1530.85	38	1530.45	35	Shallow	Qal	7.6	37.6	—	—
PC-64	Tronox	1675.29	05/28/98	1675.51	26723702.5770	827916.1230	PVC	2	4.0	19.0	1671.51	1656.51	20	1655.51	19	Shallow	Qal	4.0	19.0	—	—
PC-67	Tronox	1673.82	05/28/98	1674.38	26723846.8840	829207.5800	PVC	2	11.0	35.6	1663.38	1638.78	36	1638.38	38	Shallow	Qal	11.0	35.6	—	—
PC-76	Tronox	1565.10	04/28/00	1564.51	26734006.7400	829183.7900	PVC	2	15.0	20.0	1549.51	1544.51	56	1508.51	20.5	Shallow	Qal	15	20	—	—
PC-79	Tronox	1564.06	05/03/00	1564.526	26733246.6900	829815.2800	PVC	2	35.0	45.0	1529.53	1519.53	45	1519.53	73	Shallow	Qal	35.0	45	—	—
PC-80	Tronox	1564.07	05/03/00	1564.489	26733250.4600	829823.7500	PVC	2	19.5	29.5	1544.99	1534.99	45	1519.49	32	Shallow	Qal	19.5	29.5	—	—
PC-81	Tronox	1563.96	05/03/00	1564.271	26733254.7100	829833.3700	PVC	2	9.5	14.5	1554.77	1549.77	45	1519.27	18	Shallow	Qal	9.5	14.5	—	—
PC-82	Tronox	1559.15	05/04/00	1559.395	26733194.8500	830317.0500	PVC	2	47.0	57.0	1512.40	1502.40	67	1492.40	56	Shallow	Qal	47.0	57.0	—	—
PC-83	Tronox	1559.22	05/05/00	1559.578	26733201.2900	830325.6500	PVC	2	20.5	30.5	1539.08	1529.08	17	1542.58	56	Shallow	UMCf	—	—	20.5	30.5
PC-84	Tronox	1559.20	05/05/00	1559.14	26733208.5300	830332.5800	PVC	2	4.5	14.5	1554.64	1544.64	17	1542.14	56	Shallow	Qal	4.5	14.5	—	—
PC-86	Tronox	1553.85	05/11/00	1554.08	26733185.7600	830826.9900	PVC	2	17.5	27.5	1536.58	1526.58	30	1524.08	47	Shallow	Qal	17.5	27.5	—	—
PC-88	Tronox	1551.01	05/11/00	1550.91	26733178.4200	831259.4100	PVC	2	40.0	50.0	1510.91	1500.91	51	1499.91	62	Shallow	Qal	40	50	—	—
PC-89	Tronox	1551.10	05/12/00	1550.9	26733192.6300	831271.9200	PVC	2	4.5	14.5	1546.40	1536.40	17	1533.90	51	Shallow	Qal	4.5	14.5	—	—
PC-90	Tronox	1550.46	05/12/00	1550.53	26733184.3300	831264.7000	PVC	2	4.5	14.5	1546.03	1536.03	51	1499.53	18	Shallow	Qal	4.5	14.5	—	—
PC-92	Tronox	1552.05	05/12/00	1552.12	26733109.8500	831749.3000	PVC	2	11.5	21.5	1540.62	1530.62	30	1522.12	40	Shallow	Qal	11.5	21.5	—	—
PC-94	Tronox	1548.95	05/14/00	1548.84	26733122.4800	832189.0500	PVC	2	9.5	19.5	1539.34	1529.34	40	1508.84	25	Shallow	Qal	9.5	19.5	—	—
PC-95	Tronox	1550.62	05/15/00	1550.61	26733449.9100	831227.2100	PVC	2	24.5	34.5	1526.11	1516.11	50	1500.61	43	Shallow	Qal	24.5	34.5	—	—
POD2	BRC	1673.94	04/27/82	1673.80	26724896.9000	831847.4000	—	—	41.0	46.0	1632.80	1627.80	49	1624.80	56	Shallow	Qal	41.0	46.0	—	—
POD2-R	BRC	1675.80	06/21/05	1673.40	26724825.4000	831955.5000	PVC	4	45.0	65.0	1628.40	1608.40	60	1613.40	65	Shallow	Qal/UMCf	45.0	60.0	60	65
POD2-R2	BRC	1675.00	9/1/1999	1675	26724833.5549	831879.0367	PVC	4	45	60	1630.00	1615.00	47	1628.00	65	Shallow	Qal/UMCf	45	47	47	65

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BMI Common Areas (Eastside), Clark County, Nevada**

Well	Owner or Property	Top of Casing Elevation (ft msl)	Install Date	Grade Elevation (ft msl)	Northing	Easting	Casing/Screen Material	Casing Diameter (inches)	Depth to Top of Screen (ft bgs)	Depth to Bottom of Screen (ft bgs)	Screen Top Elevation (ft msl)	Screen Bottom Elevation (ft msl)	Depth to Qal/UMCf Contact (ft bgs)	Qal/UMCf Contact Elevation (ft msl)	Total Borehole Depth (ft bgs)	Water-Bearing Zone (Shallow, Middle, Deep)	Screened Lithologic Unit	Screened Qal Interval (ft bgs)		Screened UMCf Interval (ft bgs)	
POD-4	BRC	1690.01	04/01/82	1692.39	26724840.0000	833983.5000	—	—	47.0	52.0	1645.39	1640.39	54	1638.39	55	Shallow	Qal	47.0	52.0	—	—
POD4-R	BRC	1690.01	04/26/82	1692.69	26724788.6050	833975.4350	PVC	—	47.0	52.0	1645.69	1640.69	55	1637.69	—	Shallow	Qal	47.0	52.0	—	—
POD7	BRC	1690.92	04/23/82	1692.78	26724144.3870	832876.7200	PVC	—	48.0	53.0	1644.78	1639.78	60	1632.78	56	Shallow	Qal	48.0	53.0	—	—
POD8	BRC	1691.33	08/20/97	1691.16	26724135.0000	833836.1000	PVC	4	42.5	72.5	1648.66	1618.66	74	1617.16	75	Shallow	Qal	42.5	72.5	—	—
POU3	BRC	1728.51	04/20/99	1728.00	26721010.0000	831580.0000	PVC	4	35.0	65.0	1693.00	1663.00	—	—	70	Shallow	—	—	—	—	—
PZ-13	Ampac	1639.20	03/10/05	1639.20	26727954.0000	825169.9000	PVC	2	13.0	18.0	1626.20	1621.20	—	—	27	Shallow	—	—	—	—	—
TMPZ-111	Timet	1783.9	12/09/05	—	26719015.1730	831186.7340	PVC	4.5	37.0	57.0	—	—	58.0	—	67.0	Shallow	Qal	37.0	57.0	—	—
TWC-126	Ampac	1650.60	06/25/05	1650.60	26726686.9000	825285.6000	PVC	2	126.0	146.0	1524.60	1504.60	—	—	146	Middle	UMCf	—	—	—	—
TWE-107	Ampac	1634.00	06/26/05	1634.00	26727636.6000	826427.8000	PVC	2	107.0	127.0	1527.00	1507.00	—	—	200	Middle	UMCf	—	—	—	—
TWI	Ampac	1653.30	05/02/05	1653.30	2672690.6000	825501.2000	PVC	2	9.0	19.0	1644.30	1634.30	—	—	42	Shallow	Qal	—	—	—	—
W02	Bureau of Reclamation	1438.36	—	—	26734843.6790	837329.0450	—	—	—	—	—	—	—	—	—	Shallow	—	—	—	—	—
WMW5.58SD	Bureau of Reclamation	—	5/14/2002	1433.76	26734645.8030	835091.4950	PVC	4	60	80	1373.76	1353.76	—	—	80	Shallow	—	—	—	—	—
WMW5.58SI	Bureau of Reclamation	—	5/13/2003	1433.76	26734651.3990	835065.4270	PVC	4	5	20	1428.76	1413.76	—	—	20	Shallow	—	—	—	—	—
WMW5.58SS	Bureau of Reclamation	—	5/13/2002	1433.76	26734651.3990	835065.4270	PVC	4	4	14	1429.76	1419.76	—	—	15	Shallow	Qal	4	14	—	—

ft msl = Feet above mean sea level
ft bgs = Feet below ground surface
Sch 80 PVC - Schedule 80 polyvinyl chloride

Qal = Quaternary alluvium
UMCf = Upper Muddy Creek Formation
— = Information confirmed to be not available or data not applicable

**Table 5. Groundwater Elevations and Monitoring Well Inspection Summary
2009 Monitoring Event (August-October 2009)
BMI Common Areas (Eastside), Clark County, Nevada**

Well ID	Top of Casing Elevation ^a (ft msl)	Measured Depth to Water (ft btoc)	Water Level (ft msl)	Measured Depth to Well Base (ft btoc)	Measured Depth to Well Base (ft btoc)	Initial and Most Recent Depth to Well Base (feet)	PID Measurement at Wellhead (ppm)		Date Measured	Time Measured	Comments
							10.6 eV - Lamp	11.7 eV - Lamp			
AA-01	1757.13	47.78	1709.35	51.50	51.55	0.05	0.0	0.2	8/6/2009	NA	Keck 580. Well secure.
AA-07	1612.70	40.79	1571.91	51.20	51.46	0.26	0.0	0.0	8/6/2009	NA	Solinst 122009657-1. Well not secure, soft bottom. Located in the Tuscanay Community on Via Franciosa Rd.
AA-08	1580.82	15.61	1565.21	36.65	36.60	-0.05	0.0	0.0	8/4/2009	NA	Keck 580. Well secure. No tubing.
AA-09	1695.87	38.32	1657.55	69.00	69.10	0.10	NA	NA	8/3/2009	NA	Solinst. Well Secure. Very soft bottom. Not dedicated. No tubing.
AA-10	1615.12	20.30	1594.82	42.85	43.00	0.15	0.1	0.0	8/3/2009	NA	Keck 580. Well secure.
AA-11	1660.05	30.73	1629.32	105.80	31.60	-74.20	NA	NA	8/3/2009	NA	Solinst. Monument secure. Hard bottom. Still dedicated. It is possible that the water level probe hit the dedicated pump at 31.60' BTOC and was thought be be bottom of well.
AA-13	1724.69	62.54	1662.15	62.71	63.00	0.29	NA	NA	8/4/2009	NA	Solinst. Monument secure. Soft bottom
AA-14	1701.05	64.87	1636.18	65.25	65.30	0.05	NA	NA	8/3/2009	NA	Solinst. Monument secure. Soft bottom. Dedicated well.
AA-15	1658.13	42.31	1658.13	42.55	42.70	0.15	NA	NA	8/3/2009	NA	Solinst. Monument secure. Hard bottom. Still dedicated.
AA-18	1669.00	59.67	1609.33	69.53	69.65	0.12	NA	NA	8/4/2009	NA	Solinst. Monument secure. Soft bottom. Still dedicated.
AA-19	1642.32	Dry	NA	44.55	44.73	0.18	NA	NA	8/3/2009	NA	Solinst. Monument secure. Hard bottom. Still dedicated.
AA-20	1628.49	30.69	1597.80	32.88	33.10	0.22	NA	NA	8/3/2009	NA	Solinst. Monument secure. Hard bottom. Not dedicated. No tubing.ed.
AA-21	1584.20	11.75	1572.45	41.11	33.53	-7.58	0.0	0.0	8/4/2009	NA	Keck 580. Monument secure.
AA-22	1581.53	31.15	1550.38	33.91	34.10	0.19	0.0	0.0	8/4/2009	NA	Keck 580. Monument secure. Soft bottom. Still dedicated.
AA-23-R	NA	30.65	NA	NA	44.07	NA	NA	NA	8/6/2009	NA	Solinst 51166. Well secure. Located in the middle of the street.
AA-24	NA	NA	NA	NA	NA	NA	NA	NA	8/5/2009	NA	Could not locate. Appeared to be buried by excavation activities.
AA-26	1566.67	48.16	1518.51	54.47	49.00	-5.47	NA	NA	8/4/2009	NA	Solinst 51166. Well secure. Located south of Henderson Landfill
AA-27	1789.43	68.11	1721.32	84.15	84.30	0.15	0.0	0.0	8/6/2009	NA	Solinst 122009657-1. Well secure.
AA-29	NA	NA	NA	NA	NA	NA	NA	NA	8/3/2009	NA	Could not locate. According to Richard Cooke (GES), HMW-8 will be converted into AA-29 at some point.
AA-30	NA	20.30	NA	NA	34.60	NA	NA	NA	8/3/2009	NA	Keck 580. Monument secure. Not dedicated. No tubing.
AA-32	NA	NA	NA	NA	NA	NA	NA	NA	8/5/2009	NA	Could not locate. Appeared to be buried by excavation activities.
AA-UW1	1774.45	51.98	1722.47	NA	69.45	NA	0.1	0.1	8/6/2009	NA	Solinst 122009657-1. Well secure. No tubing
AA-UW2	1821.36	67.16	1754.20	NA	78.80	NA	0.0	0.0	8/6/2009	NA	Solinst 122009657-1 Well secure. No tubing
AA-UW3	1812.72	66.66	1746.06	NA	83.60	NA	0.0	0.0	8/6/2009	NA	Solinst 122009657-1. Well secure, west of community center. No tubing
AA-UW4	1800.28	43.50	1756.78	NA	59.31	NA	0.0	0.1	8/6/2009	NA	Solinst 122009657-1. Monument secure. Soft bottom. Not dedicated. South of trailer park. No tubing
AA-UW5	1768.68	48.87	1719.81	NA	61.00	NA	0.0	0.0	8/6/2009	NA	Solinst 122009657-1. Monument secure. Hard bottom. Not dedicated. No tubing
AA-UW6	1740.81	59.51	1681.30	NA	68.70	NA	NA	NA	8/6/2009	NA	Keck 580. Monument secure. Hard bottom. Not dedicated. No tubing
BEC-4	1681.34	30.82	1650.52	39.60	39.70	0.10	NA	NA	8/5/2009	NA	Solinst. Secured with bolts. Soft bottom. No tubing
BEC-6	1725.52	67.64	1657.88	80.75	80.87	0.12	NA	NA	8/5/2009	NA	Solinst. Well secured with bolts, well cover elevated due to road being excavated around it.
BEC-9	1617.74	52.86	1564.88	58.90	58.75	-0.15	NA	NA	8/4/2009	NA	Solinst. Secured with bolts. Soft bottom.
BEC-10	1657.39	59.08	1598.31	89.08	88.91	-0.17	NA	NA	8/4/2009	NA	Solinst. Secured with bolts. Soft bottom.
COH-1	NA	18.69	NA	168.95	168.90	-0.05	0.0	0.0	8/6/2009	NA	Solinst 122009657-1. Well secure The combination for the locks to the access gates is #9850
COH-1A	NA	NA	NA	18.82	4.40	-14.42	NA	NA	8/6/2009	NA	Solinst 122009657-1. Well not secured. Well appeared to be caved in at 4.40' BTOC
COH-2	NA	10.55	NA	NA	173.00	NA	0.1	0.0	8/4/2009	NA	Keck 580. Monument secure.
COH-2A	NA	14.98	NA	NA	54.25	NA	0.0	0.0	8/4/2009	NA	Keck 580. Monument secure.
DBMW-1	1626.46	34.79	1591.67	NA	51.52	NA	NA	NA	8/3/2009	NA	Keck 82050088. Monument secure. Hard bottom. Not dedicated.
DBMW-2	1627.00	34.71	1592.29	NA	53.45	NA	NA	NA	8/3/2009	NA	Solinst. Monument secure. Hard bottom. Not dedicated.
DBMW-3	1625.86	31.64	1594.22	NA	41.65	NA	NA	NA	8/3/2009	NA	Solinst. Monument secure. Hard bottom. Not dedicated.
DBMW-4	1605.81	25.73	1580.08	NA	44.35	NA	NA	NA	8/6/2009	NA	Solinst 51166. Monument secured. No tubing.
DBMW-5	1609.65	27.67	1581.98	NA	38.60	NA	NA	NA	8/6/2009	NA	Solinst 51166. Monument secured. No tubing
DBMW-6	1632.63	Dry	NA	NA	53.00	NA	NA	NA	8/3/2009	NA	Solinst. Monument secure. No tubing.
DBMW-7	1631.73	58.49	1573.24	NA	73.55	NA	NA	NA	8/3/2009	NA	Solinst. Monument secure. Hard bottom. Not dedicated. No tubing.
DBMW-8	1632.05	58.00	1574.05	NA	69.38	NA	NA	NA	8/3/2009	NA	Solinst. Monument secure. Hard bottom. Not dedicated. No tubing.
DBMW-9	1659.92	63.55	1596.37	NA	76.80	NA	NA	NA	8/4/2009	NA	Solinst. Monument secure. Soft bottom. Not dedicated. No tubing.
DBMW-10	1663.96	62.07	1601.89	NA	76.80	NA	NA	NA	8/4/2009	NA	Solinst 51166. Monument secure. Soft bottom. Not dedicated. No tubing.
DBMW-11	1667.46	57.48	1609.98	NA	72.65	NA	NA	NA	8/4/2009	NA	Solinst 51166. Monument secure. Soft bottom. Not dedicated. No tubing.
DBMW-12	1669.68	59.41	1610.27	NA	79.70	NA	NA	NA	8/4/2009	NA	Solinst 51166. Monument secure. Very soft bottom. Not dedicated. No tubing.

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Well ID	Top of Casing Elevation ^a (ft msl)	Measured Depth to Water (ft btoc)	Water Level (ft msl)	Measured Depth to Well Base (ft btoc)	Measured Depth to Well Base (ft btoc)	Initial and Most Recent Depth to Well Base (feet)	PID Measurement at Wellhead (ppm)		Date Measured	Time Measured	Comments
							10.6 eV - Lamp	11.7 eV - Lamp			
DBMW-13	1678.79	59.69	1619.10	NA	79.66	NA	NA	NA	8/4/2009	NA	Solinst 51166. Monument secure. Soft bottom. Not dedicated. No tubing.
DBMW-14	1684.96	49.41	1635.55	NA	68.85	NA	NA	NA	8/4/2009	NA	Solinst 51166. Monument secure. Soft bottom. Not dedicated. No tubing.
DBMW-15	1693.2	50.80	1642.40	NA	69.92	NA	NA	NA	8/4/2009	NA	Solinst 51166. Monument secure. Soft bottom. Not dedicated. No tubing.
DBMW-16	1694.14	97.95	1596.19	NA	114.33	NA	NA	NA	8/4/2009	NA	Solinst 51166. Monument secure. Soft bottom. Not dedicated. No tubing.
DBMW-17	1712.38	71.11	1641.27	NA	76.08	NA	NA	NA	8/4/2009	NA	Solinst 51166. Monument secure. Soft bottom. Not dedicated. No tubing.
DBMW-18	1717.15	68.03	1649.12	NA	69.00	NA	NA	NA	8/4/2009	NA	Solinst 51166. Monument secure. Hard bottom. Not dedicated. No tubing.
DBMW-19	1583.4	29.93	1553.47	NA	43.13	NA	NA	NA	8/6/2009	NA	Solinst 51166. Monument secure. Hard bottom. Not dedicated. No tubing.
DBMW-20	NA	40.47	NA	NA	74.10	NA	NA	NA	8/6/2009	NA	Solinst. Well secure, soft bottom. Located in the Henderson Landfill. No tubing.
DBMW-22	1535.61	29.76	1505.85	NA	59.15	NA	NA	NA	8/6/2009	NA	Solinst. Well secure, soft bottom. Located in the retention basin S. of Landfill. Borrowed key from BRC/GES
DM-1	1727.21	50.67	1676.54	54.65	54.23	-0.42	NA	NA	8/4/2009	NA	Solinst. Well secure. No tubing.
DM-4	1621.02	Dry	NA	19.85	20.35	0.50	NA	NA	8/4/2009	NA	Solinst. Well not secure. Well cap missing and well lid destroyed. No tubing
DM-5	1623.90	Dry	NA	23.65	23.65	0.00	NA	NA	8/4/2009	NA	Solinst. Well secure. No tubing.
DM-7B	NA	Dry	NA	48.15	48.17	0.02	NA	NA	8/4/2009	NA	Solinst. Monument secure. Hard bottom. Not dedicated. No tubing.
DM-8	NA	Dry	NA	39.90	39.88	-0.02	NA	NA	8/6/2009	NA	Solinst. Lid broken (not secure). Hard bottom. No well cap. No tubing.
DM-9	NA	NA	NA	61.21	NA	NA	NA	NA	8/5/2009	NA	Unable to locate well. Appeared to be buried by excavation activities.
HMW-08	1545.30	23.45	1521.85	42.06	41.50	-0.56	0.2	0.1	8/3/2009	NA	Keck 580 Well secured but has broken hinge. No tubing.
HMW-09	1543.60	17.70	1525.90	46.00	45.50	-0.50	0.0	0.0	8/4/2009	NA	Keck 580. Well not secured. No bolts and no tubing.
HMW-16	1622.10	9.70	1612.40	23.00	24.90	1.90	0.1	0.1	8/4/2009	NA	Keck 580. Well not secure. No bolts and no tubing.
HMWWT-4	NA	Dry	NA	50	41.77	-8.23	NA	NA	8/5/2009	NA	Soilinst. Flush mount secured with bolts. No tubing.
HMWWT-6	1774.04	41.80	1732.24	51.30	50.56	-0.74	0.0	0.0	8/6/2009	NA	Solinst 122009567-1. Secured with bolts. Soft bottom. Not dedicated. B/W 7-Eleven and Blue Casino (across highway). No tubing.
HMWWT-8	1766.00	NA	NA	NA	NA	NA	NA	NA	8/20/2009	NA	Had GPS coordinants for this well and a metal detector but could still not locate it. Appears to have been buried by dirt.
MCF-01A	1756.61	40.10	1716.51	355.45	355.00	-0.45	0.1	0.0	8/6/2009	NA	Solinst 122009567-1. Well secure. Total depth does not match bottom of screen. With many attempts, could not get a depth greater than 266
MCF-01B	1756.28	47.05	1709.23	86.20	86.20	0.00	0.0	0.0	8/6/2009	NA	Solinst 122009567-1. Well secure. Soft bottom. Dedicated.
MCF-02A	1818.42	36.92	1781.50	377.90	377.50	-0.40	0.0	0.0	8/6/2009	NA	Solinst 122009567-1. Well secure. Soft bottom. Dedicated.
MCF-02B	1819.38	61.26	1758.12	237.40	237.30	-0.10	0.0	0.0	8/6/2009	NA	Solinst 122009567-1. Well secure. Soft bottom. Dedicated.
MCF-03A	1784.06	42.06	1742.00	387.75	385.80	-1.95	0.0	0.0	8/6/2009	NA	Solinst 122009567-1. Monument secure. Soft bottom. Still dedicated.
MCF-03B	1785.72	45.05	1740.67	80.15	80.25	0.10	0.0	0.0	8/6/2009	NA	Solinst 122009567-1. Monument secure. Hard bottom. Still dedicated.
MCF-04	1750.42	30.64	1719.78	402.30	402.20	-0.10	0.0	0.0	8/6/2009	NA	Solinst 122009567-1. Monument secure. Soft bottom. Still dedicated.
MCF-05	1627.37	47.93	1579.44	233.40	233.04	-0.36	NA	NA	8/3/2009	NA	Solinst. Monument secure. No tubing.
MCF-06A-R	1632.84	109.30	1523.54	396.80	376.70	-20.10	NA	NA	8/2/2009	NA	Keck 580. Monument secure. Dedicated.
MCF-06B	1633.18	56.21	1576.97	85.23	85.35	0.12	NA	NA	8/3/2009	NA	Solinst. Monument secure. Dedicated.
MFC-06C	1633.12	57.31	1575.81	62.42	62.55	0.13	NA	NA	8/3/2009	NA	Solinst. Monument secure. Dedicated.
MCF-07	1612.63	79.14	1533.49	370.00	370.13	0.13	0.0	0.2	8/6/2009	NA	Solinst 122009567-1. Well not secure. Soft bottom Located in the Tuscanay Community on Via Franciosa Rd.
MCF-08A	1581.24	0.40	1580.84	371.50	373.30	1.80	NA	NA	8/4/2009	NA	Keck 580. Well secure, artesian well with no pressure cap. No tubing.
MCF-08B-R	1580.10	3.80	1576.30	139.30	140.50	1.20	0.0	0.0	8/4/2009	NA	Keck 580. Monument secure. Soft bottom. Still dedicated. Labeled MCF-08B. No tubing.
MCF-09A	1695.77	39.49	1656.28	286.70	296.82	10.12	0.0	0.0	8/3/2009	NA	Solinst. Monument secure. Soft bottom. Still dedicated.
MCF-09B	1696.23	38.19	1658.04	130.40	129.75	-0.65	NA	NA	8/3/2009	NA	Solinst. Monument secure. Soft bottom. Still dedicated.
MCF-10A	1615.86	0.00	1615.86	386.70	386.60	-0.10	0.0	0.0	8/3/2009	NA	Keck 580. Monument secured. Artesian well with no pressure cap.
MCF-10B	1615.35	18.11	1597.24	107.31	107.40	0.09	0.0	0.0	8/3/2009	NA	Keck 580. Monument secured.
MCF-11	1659.95	30.48	1629.47	106.00	106.00	0.00	0.0	0.1	8/3/2009	NA	Solinst. Monument secure. Hard bottom. Still dedicated.
MCF-12 A	1716.16	52.53	1663.63	371.20	371.18	-0.02	0.0	0.0	8/6/2009	NA	Keck 580. Monument secure. Soft bottom. Still dedicated.
MCF-12 B	1714.88	68.09	1646.79	84.32	84.37	0.05	0.0	0.1	8/6/2009	NA	Keck580. Monument secure. Soft bottom. Still dedicated.
MCF-12 C	1715.27	69.02	1646.25	175.32	175.40	0.08	0.0	0.0	8/6/2009	NA	Keck 580. Monument secure. Soft bottom. Still dedicated.
MCF-16A	1691.66	46.68	1644.98	393.94	386.21	-7.73	NA	NA	8/5/2009	NA	Solinst. Monument secure. Dedicated.
MCF-16B	1692.26	63.89	1628.37	312.00	298.50	-13.50	NA	NA	8/5/2009	NA	Solinst. Monument secure. Dedicated.

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							10.6 eV - Lamp	11.7 eV - Lamp			
MCF-16C	1691.98	66.94	1625.04	81.86	78.31	-3.55	NA	NA	8/5/2009	NA	Solinst. Monument secure. Dedicated..
MCF-17A	1600.95	0.00	1600.95	NA	391.50	NA	0.0	0.0	8/3/2009	NA	Keck 580. Monument secure. Soft bottom. Not dedicated. No tubing.
MCF-18A	1577.67	26.30	1551.37	NA	404.00	NA	0.0	0.0	8/4/2009	NA	Keck 580. Monument secure. Soft bottom. Not dedicated. No tubing.
MCF-19A	1627.97	69.75	1558.22	NA	387.62	NA	NA	NA	8/5/2009	NA	Solinst. Monument secure. Very soft bottom. Not dedicated. No tubing..
MCF-20A	1626.41	77.33	1549.08	NA	375.48	NA	NA	NA	8/5/2009	NA	Soinst. Monument secure. Dedicated.
MCF-21A	1663.70	77.41	1586.29	NA	365.00	NA	0.0	0.0	8/6/2009	NA	Solinst 122009567-1. Secured with bolts. Very soft bottom. Not dedicated. No tubing.
MCF-22A	1681.55	8.37	1673.18	NA	382.45	NA	NA	NA	8/6/2009	NA	Keck 580. Secured with bolts. Soft bottom. Not dedicated. No tubing.
MCF-23A	1646.90	49.28	1597.62	NA	385.30	NA	0.0	0.0	8/4/2009	NA	Keck 580. Monument secure. Not dedicated. No tubing.
MCF-24A	1676.98	76.01	1600.97	NA	365.94	NA	NA	NA	8/4/2009	NA	Solinst. Monument secure.
MCF-25A	1711.57	18.04	1693.53	NA	368.33	NA	NA	NA	8/4/2009	NA	Solinst. Monument secure. Soft bottom. Not dedicated. No tubing.
MCF-27	1789.38	9.85	1779.53	384.80	384.10	-0.70	0.0	0.0	8/6/2009	NA	Solinst 122009567-1. Well secure. Soft bottom. No tubing.
MCF-28A	NA	42.41	NA	394.10	394.10	0.00	NA	NA	8/3/2009	NA	Keck 580. Monument secure. Not dedicated.
MCF-28B	NA	1.18	NA	191.75	191.75	0.00	NA	NA	8/3/2009	NA	Keck 580. Monument secure. Not dedicated.
MCF-29A	NA	6.54	NA	384.50	384.50	0.00	NA	NA	8/3/2009	NA	Keck 580. Monument secure. Not dedicated.
MCF-29B	NA	18.14	NA	179.80	179.80	0.00	NA	NA	8/3/2009	NA	Keck 580. Monument secure. Not dedicated.
MCF-30A	NA	7.91	NA	372.70	372.70	0.00	NA	NA	8/3/2009	NA	Keck 580. Monument secure. Not dedicated.
MCF-30B	NA	19.26	NA	167.60	167.60	0.00	NA	NA	8/3/2009	NA	Keck 580. Monument secure. Not dedicated.
MCF-31A	NA	3.85	NA	386.00	386.00	0.00	NA	NA	8/3/2009	NA	Keck 580. Monument secure. Not dedicated. In SWC of Henderson Landfill. Key from BRC/GES.
MCF-31B	NA	72.00	NA	235.00	235.00	0.00	NA	NA	8/3/2009	NA	Keck 580. Monument secure. Not dedicated. In SWC of Henderson Landfill. Key from BRC/GES.
MCF-32A	NA	36.06	NA	364.00	364.00	0.00	NA	NA	8/3/2009	NA	Keck 580. Monument secure. Not dedicated.
MCF-32B	NA	68.86	NA	163.50	163.50	0.00	NA	NA	8/3/2009	NA	Keck 580. Monument secure. Not dedicated.
MW-01	1526.5	73.49	NA	43.41	108.60	65.19	NA	NA	8/6/2009	NA	Keck 580. Well secure. Located in the Henderson Landfill. No tubing..
MW-03	1513.31	36.44	1476.87	67.45	67.50	0.05	NA	NA	8/6/2009	NA	Keck 580 Well secure. Henderson landfill
MW-04	1522.98	24.39	1522.98	NA	41.15	NA	0.0	0.0	8/6/2009	NA	Keck 580. Well secure. Henderson landfill, monument.
MW-13	1530.31	36.78	1493.53	NA	49.71	NA	0.0	0.1	8/6/2009	NA	Keck 580. Well secure, soft bottom, Henderson Landfill. No tubing.
MW-15	1580	95.63	1484.37	110.85	110.55	-0.30	NA	NA	8/6/2009	NA	Keck 580. Well secure, soft bottom, Henderson Landfill. No tubing.
PC-1	1599.13	Dry	NA	27.36	27.60	0.24	0.0	0.0	8/4/2009	NA	Keck 580. Well not secure (broken lid). Hard bottom. Not dedicated. No tubing.
PC-2	1593.79	27.39	1566.40	33.19	33.65	0.46	0.2	0.1	8/4/2009	NA	Keck 580. Well not secure (no lock). Soft bottom. Not dedicated. No tubing.
PC-4	1597.13	33.13	1564.00	43.26	43.40	0.14	0.0	0.3	8/4/2009	NA	Keck 580. Monument secure. Soft bottom. Not dedicated. No tubing.
PC-12	1616.94	NA	NA	29.85	NA	NA	NA	NA	8/3/2009	NA	Solinst 51166. Could not locate. Appears to have been paved over as it used to be located on a dirt road that has now been paved.
PC-19	1618.07	27.50	1590.57	NA	47.70	NA	NA	NA	8/3/2009	NA	Solinst 51166. Well not secured, probe installed. No bolts or well cap.
PC-21	1722.20	30.42	1691.78	36.88	36.93	0.05	0.0	0.0	8/4/2009	NA	Keck 580. Monument secure. Hard bottom. Not dedicated. No tubing.
PC-24	1633.95	21.46	1612.49	32.91	29.38	-3.53	0.0	0.0	8/3/2009	NA	Solinst 51166. Well not secure (no lid or bolts). Hard bottom. Located next to 571 Sunset Rd. No tubing.
PC-28	1651.17	12.13	1639.04	19.80	19.95	0.15	NA	NA	8/3/2009	NA	Solinst 51166. Well secured with one bolt only. Hard bottom. Located next to 451 Merlayne Dr. No tubing.
PC-31	1658.13	11.25	1646.88	47.25	46.75	-0.50	NA	NA	8/3/2009	NA	Solinst 51166 Secured with bolts. Soft bottom. Located on Foster St, east of Merze Ave. No tubing.
PC-40	1677.05	22.50	NA	57.67	57.00	NA	NA	NA	8/20/2009	NA	Solinst 51166. Monument well. Well secure. No tubing. Got key from Tronox.
PC-50	1634.48	12.75	1621.73	37.69	35.85	-1.84	NA	NA	8/3/2009	NA	Solinst 51166. Well not secure (no bolts). Soft bottom. Located across from 432 Sunset Rd. No tubing.
PC-54	1704.40	19.55	1684.85	25.95	34.70	8.75	NA	NA	8/3/2009	NA	Solinst 51166. Well not secure (no bolts). SE of white auto auction bldg. on Snap Ave. In roadway south of Snap Ave. No tubing.
PC-56	1568.99	24.65	1544.34	54.26	53.08	-1.18	0.0	0.0	8/4/2009	NA	Keck 580. Well not secured, flush mount. No bolts or tubing.
PC-58	1568.29	14.87	1553.42	28.60	33.10	4.50	0.0	0.0	8/4/2009	NA	Keck 580. Well not secured, flush mount. No bolts or tubing.
PC-62	1568.45	13.66	1554.79	32.27	31.60	-0.67	0.0	0.0	8/4/2009	NA	Keck 580. Well not secured, flush mount. No bolts or tubing.
PC-64	1675.51	10.25	1665.26	18.43	21.90	3.47	0.0	0.0	8/3/2009	NA	Solinst 51166. Secured with bolts. Soft bottom. Located on Palm St, south of Barrett St. No tubing.
PC-67	1674.38	13.10	1661.28	36.00	33.20	-2.80	NA	NA	8/3/2009	NA	Solinst 51166. Secured with bolts. Soft bottom. Located on Rolly St. east of 416 Rolly. No tubing.
PC-76	1564.51	14.85	1549.66	22.20	22.40	0.20	0.2	0.0	8/4/2009	NA	Keck 580. Well not secure (no bolts). Hard bottom. Not dedicated. No tubing.
PC-79	1564.33	10.86	1553.47	44.50	41.90	-2.60	NA	NA	8/4/2009	NA	Keck 580. Well not secured, flush mount. No bolts or tubing.
PC-80	1564.07	10.95	1553.12	28.94	25.20	-3.74	NA	NA	8/4/2009	NA	Keck 580. Well not secured, flush mount. No bolts or tubing.
PC-81	1564.03	10.88	1553.15	15.11	14.84	-0.27	NA	NA	8/4/2009	NA	Keck 580. Well not secured, flush mount. No bolts or tubing.

**Table 5. Groundwater Elevations and Monitoring Well Inspection Summary
2009 Monitoring Event (August-October 2009)
BMI Common Areas (Eastside), Clark County, Nevada**

Well ID	Top of Casing Elevation ^a (ft msl)	Measured Depth to Water (ft btoc)	Water Level (ft msl)	Measured Depth to Well Base (ft btoc)	Measured Depth to Well Base (ft btoc)	Initial and Most Recent Depth to Well Base (feet)	PID Measurement at Wellhead (ppm)		Date Measured	Time Measured	Comments
							10.6 eV - Lamp	11.7 eV - Lamp			
PC-82	1559.44	9.18	1550.26	62.30	58.25	-4.05	NA	NA	8/4/2009	NA	Keck 580. Well secured, flush mount. No tubing.
PC-83	1559.47	8.42	1551.05	33.71	30.20	-3.51	NA	NA	8/4/2009	NA	Keck 580. Well not secured, flush mount. No bolts or tubing.
PC-84	1559.14	NA	NA	NM	NA	NA	NA	NA	8/4/2009	NA	Could not locate well.
PC-86	1554.08	6.66	1547.42	27.64	26.00	-1.64	NA	NA	8/4/2009	NA	Keck 580. Well not secured, flush mount, east of pump 120. No bolts or tubing.
PC-88	1550.91	8.15	1542.76	47.42	47.15	-0.27	0.0	0.2	8/4/2009	NA	Keck 580. Well not secured, flush mount, most southern well. No bolts or tubing.
PC-89	1550.53	NA	NA	2.31	NA	NA	NA	NA	8/4/2009	NA	Well caved in. No well casing or cover.
PC-90	1550.90	7.72	1543.18	13.25	13.26	0.01	0.2	0.0	8/4/2009	NA	Keck 580. Well secured, flush mount. No tubing.
PC-92	1552.12	12.33	1539.79	21.51	37.30	15.79	0.0	0.0	8/4/2009	NA	Keck 580. Well secure with one bolt. Hard bottom. Located south of vault 133.
PC-94	1548.84	13.00	1535.84	19.57	19.45	-0.12	0.0	0.0	8/4/2009	NA	Keck 580. Well not secure, flush mount. No bolts or tubing.
PC-95	1550.61	NA	NA	35.05	NA	NA	NA	NA	8/4/2009	NA	Well cover has been crushed into well casing and could not be removed but well is still intact.
PC-103	1597.02	24.06	1572.96	30.49	30.62	0.13	0.3	0.0	8/4/2009	NA	Keck 580. Well secured. Henderson treatment facility. No tubing.
PC-104	1596.68	31.08	1565.60	33.45	33.25	-0.20	0.1	0.2	8/4/2009	NA	Keck 580. Well not secure, flush mount, well cover and vault broken, Henderson treatment facility
PC-105	1591.27	NA	NA	NA	NA	NA	NA	NA	8/4/2009	NA	Well abandoned. Filled with concrete.
PC-106	1602.10	NA	NA	29.32	NA	NA	NA	NA	8/4/2009	NA	Could not locate well.
PC-107	1617.19	NA	NA	NA	NA	NA	NA	NA	8/4/2009	NA	Could not locate well.
PC-108	1584.96	13.75	1571.21	41.74	39.68	-2.06	0.0	0.0	8/4/2009	NA	Keck 580. Well not secured. No bolts and no tubing.
POD2-R	1673.40	62.31	1611.09	64.45	64.55	0.10	NA	NA	8/5/2009	NA	Solinst. Monument secure. Hard bottom. Not dedicated. No tubing.
POD-4	1690.01	56.32	1633.69	59.10	59.20	0.10	NA	NA	8/5/2009	NA	Solinst. Monument not secure (no lid). Soft bottom. No tubing.
POD-7	1690.92	51.90	NA	54.86	54.63	-0.23	NA	NA	8/4/2009	NA	Solinst. Monument secure. Hard bottom. Not dedicated. No tubing.
POD-8	1691.33	70.34	1620.99	75.30	75.40	0.10	NA	NA	8/3/2009	NA	Solinst. Monument secure. Soft bottom. Not dedicated. No tubing.
POU-3	1728.51	40.87	1687.64	67.19	74.30	7.11	NA	NA	8/5/2009	NA	Solinst. Well secure. No tubing.
PZ-13	1639.20	NA	NA	19.08	NA	NA	NA	NA	8/20/2009	NA	Had GPS coordinants for this well and a metal detector but could still not locate it. Could have been asphalted over.
TWC-126	1650.60	13.30	1637.30	145.37	145.10	-0.27	NA	NA	8/4/2009	NA	Solinst 51166. Secured with bolts. Soft bottom. Located east of Roadhouse Casino. No tubing.
TWE-107	1634.00	10.62	1623.38	127.80	127.95	0.15	NA	NA	8/4/2009	NA	Solinst 51166. Secured with one bolt. Soft bottom. Located on Ward Dr. off of Galleria St. No tubing
TWI	1653.30	12.00	1641.30	19.02	19.25	0.23	NA	NA	8/3/2009	NA	Solinst 51166. Secured with bolts. Hard bottom. Located next to Desert Sands RV Park off of Sunset Rd. No tubing.
TMPZ-105	NA	34.12	NA	39.55	39.55	0.00	NA	NA	8/25/2009	NA	Solinst 51166. Flush Mount well within TIMET. This well is secure. Was escorted by Dave Moore of TIMET.
TMPZ-106	NA	31.85	NA	38.98	38.98	0.00	NA	NA	8/25/2009	NA	Solinst 51166. Flush Mount well within TIMET. This well is secure. Was escorted by Dave Moore of TIMET.
TMPZ-107	NA	32.77	NA	39.59	39.59	0.00	NA	NA	8/25/2009	NA	Solinst 51166. Flush Mount well within TIMET. This well is secure. Was escorted by Dave Moore of TIMET.
TMPZ-108	NA	34.66	NA	46.55	46.55	0.00	NA	NA	8/25/2009	NA	Solinst 51166. Flush Mount well within TIMET. This well is secure. Was escorted by Dave Moore of TIMET.
TMPZ-109	NA	37.44	NA	46.11	46.11	0.00	NA	NA	8/25/2009	NA	Solinst 51166. Flush Mount well within TIMET. This well is secure. Was escorted by Dave Moore of TIMET.
TMPZ-110	NA	41.43	NA	44.38	44.38	0.00	NA	NA	8/25/2009	NA	Solinst 51166. Flush Mount well within TIMET. This well is secure. Was escorted by Dave Moore of TIMET.
TMPZ-111	NA	45.80	NA	57.50	57.50	0.00	NA	NA	8/25/2009	NA	Solinst 51166. Monument secure.
TMPZ-112	NA	48.82	NA	58.40	58.40	0.00	NA	NA	8/25/2009	NA	Solinst 51166. Flush Mount well within TIMET. This well is secure. Was escorted by Dave Moore of TIMET.
CMT-307	NA	NA	NA	NA	NA	NA	NA	NA	8/25/2009	NA	Could not get measurements from this well as it is a special type of well with multiple channels set at different depths. Need a special water level meter to fit in channels.
WMWS.58SD	NA	9.64	NA	79.59	79.65	0.06	NA	NA	8/7/2009	NA	Solinst 122009567-1. Monument well is secure. No tubing.
WMWS.58SI	NA	8.76	NA	41.60	41.10	-0.50	NA	NA	8/7/2009	NA	Solinst 122009567-1. Monument well is secure. No tubing.
WMWS.58SS	NA	10.11	NA	21.95	21.25	-0.70	NA	NA	8/7/2009	NA	Solinst 122009567-1. Monument well is secure. No tubing.
W02	NA	32.83	NA	NA	60.00	NA	NA	NA	8/7/2009	NA	Solinst. Well secured.

* Survey data are uncertain
The Reference Point Elevation on Table 4-4 (Monitoring Well Network Evaluation Summary) of the Hydrogeologic Characterization Workplan was assumed to be the same as these Top of Casing Elevations.

ID = Identification
ft msl = Feet above mean sea level
ft btoc = Feet below top of casing
ppm = Parts per Million
NA = Information not available

**Table 6. Well Purging Details and Groundwater Sampling Summary
2009 Monitoring Event (August-October 2009)
BMI Common Areas (Eastside), Clark County, Nevada**

Well ID	Start Date of Purging/ Sampling	Pump Model	Purge Method	Average Pumping Rate for Purging or Sampling (mL/min)	Optimal Bladder Pump Settings			Diameter of Casing (inches)	Screen Slot Size (inches)	Total Measured Depth of Well (ft btoc)	Static Depth to Water (ft btoc)	Pump Intake Depth (ft btoc)	Volume of Water Purged (liters)	Pumping Duration (minutes)	Used for Groundwater Chemical (Quality) Sampling	Used for Groundwater Elevation Measurements	Comments During Sampling Activities
					psi	cpm	ID										
AA-01	8/7/2009	Well Wizard Dedicated / A - System	Micro-purge	200	40	2	47	4	0.01	51.50	47.77	48.0	4.1	20	X	X	Solinst 12205353. Resampled for Hex Chrome, VOC's, OCP's
AA-07	8/10/2009	Well Wizard Dedicated / A - System	Micro-purge	300	50	2	47	4	0.01	51.00	40.84	49.5	8.0	22	X	X	Solinst 122009567-1.
AA-08	8/14/2009	Well Wizard Dedicated / A - System	Micro-purge	500	30	3	77	4	0.01	36.75	15.72	34.0	10.5	21	X	X	Solinst 51166. Resampled for VOC's
AA-09	8/12/2009	SamplePro Portable System	Micro-purge	500	60	4	99	4	0.01	69.00	38.35	63.0	9.0	18	X	X	Solinst 51166.
AA-10	8/11/2009	Well Wizard Dedicated / A - System	Micro-purge	650	30	4	103	4	0.01	43.00	20.31	28.5	10.5	18	X	X	Solinst 122009567-1.
AA-11	6/5/2008	NA	NA	NA	NA	NA	NA	4	0.01	31.57	30.34	NA	NA	NA		X	Keck 82050088. Monument secure. 0.2 (10.6);0.0 (11.7). Hard bottom. Still dedicated.
AA-13	8/13/2009	Well Wizard Dedicated / A - System	Micro-purge	200	60	2	55	4	0.01	62.70	60.39	61.0	7.0	23	X	X	Solinst 51166. Pump intake was 1/2 submerged. Flow rate during sample collection could not exceed 100 ml per minute.
AA-14	6/5/2008	NA	NA	NA	NA	NA	NA	4	0.01	66.60	64.80	NA	NA	NA		X	Keck 82050088. Monument secure. 0.0 (10.6);0.3 (11.7). Soft bottom. Still dedicated.
AA-15	6/5/2008	NA	NA	NA	NA	NA	NA	4	0.01	42.67	Dry	NA	NA	NA		X	Keck 82050088. Monument secure. 0.1 (10.6);0.0 (11.7). 1" of water. Hard bottom. Still dedicated.
AA-18	8/11/2009	Well Wizard Dedicated / A - System	Micro-purge	500	60	3	84	4	0.01	69.53	59.70	67.0	9.5	21	X	X	Solinst 122009567-1.
AA-19	9/22/2009	NA	NA	NA	NA	NA	NA	4	0.01	44.70	43.07	NA	NA	NA		X	Solinst 122009567-1. Well remains dry. No samples were collected.
AA-20	9/11/2009	SamplePro Portable System	Micro-purge	500	50	5	134	4	0.01	33.00	31.28	32.0	9.0	18	X	X	Keck 82050088. Field Tested for Total Alkalinity
AA-21	8/12/2009	Well Wizard Dedicated / A - System	Micro-purge	950	35	4	103	4	0.02	39.75	12.60	23.5	16.0	16	X	X	Solinst 122009567-1.
AA-22	9/23/2009	SamplePro Portable System	Micro-purge	150	50	1	7	4	0.02	33.95	31.32	33.0	3.0	23	X	X	Solinst 122009567-1.
AA-23-R	9/10/2009	SamplePro Portable System	Micro-purge	200	50	2	43	4	0.02	45.35	30.36	35.0	5.7	34	X	X	Solinst 122009567-1.
AA-26	9/11/2009	SamplePro Portable System	Micro-purge	450	INA	INA	INA	4	0.01	58.35	47.05	52.0	8.0	19	X	X	Solinst 122009567-1.
AA-27	8/26/2009	Well Wizard Dedicated / A - System	Micro-purge	400	50	3	78	4	0.01	84.15	68.04	74.0	8.2	20	X	X	Solinst 122009567-1. Field Tested for Total Alkalinity
AA-30	9/9/2009	SamplePro Portable System	Micro-purge	450	40	4	105	4	INA	34.60	20.45	25.0	14.3	33	X	X	Solinst 122009567-1.

**Table 6. Well Purging Details and Groundwater Sampling Summary
2009 Monitoring Event (August-October 2009)
BMI Common Areas (Eastside), Clark County, Nevada**

Well ID	Start Date of Purging/ Sampling	Pump Model	Purge Method	Average Pumping Rate for Purging or Sampling (mL/min)	Optimal Bladder Pump Settings			Diameter of Casing (inches)	Screen Slot Size (inches)	Total Measured Depth of Well (ft btoc)	Static Depth to Water (ft btoc)	Pump Intake Depth (ft btoc)	Volume of Water Purged (liters)	Pumping Duration (minutes)	Used for Groundwater Chemical (Quality) Sampling	Used for Groundwater Elevation Measurements	Comments During Sampling Activities
					psi	cpm	ID										
AA-UW1	8/24/2009	SamplePro Portable System	Micro-purge	200	40	4	105	4	0.02	69.40	51.93	60.0	3.5	20	X	X	Solinst 122009567-1.
AA-UW2	8/11/2009	SamplePro Portable System	Micro-purge	100	50	2	50	4	0.02	82.72	67.18	74.0	2.0	18	X	X	Solinst 122009567-1.
AA-UW3	8/25/2009	SamplePro Portable System	Micro-purge	100	50	2	50	4	0.02	88.53	66.66	70.0	3.3	41	X	X	Solinst 122009567-1.
AA-UW4	8/26/2009	SamplePro Portable System	Micro-purge	350	INA	INA	INA	4	0.02	60.70	43.55	548.0	6.2	18	X	X	Solinst 122009567-1. Field Tested for Total Alkalinity.
AA-UW5	9/15/2009	SamplePro Portable System	Micro-purge	350	50	3	77	4	0.02	63.62	48.85	53.0	8	25	X	X	Solinst 122009567-1.
AA-UW6	8/27/2009	SamplePro Portable System	Micro-purge	150	50	2	45	4	0.02	68.66	59.61	64.0	3.5	26	X	X	Keck 82050088. Field Tested for Total Alkalinity.
BEC-4	6/5/2008	SamplePro Portable System	NA	NA	NA	NA	NA	4	0.02	39.74	27.96	NA	NA	NA		X	Solinst 122009567-1. Yielded 100 ml/min.
BEC-6	9/28/2009	SamplePro Portable System	Micro-purge	100	70	2	44	4	0.02	84.41	67.67	73.0	2.7	24	X	X	Solinst 122009567-1.
BEC-9	8/18/2009	SamplePro Portable System	Micro-purge	330	60	3	80	4	0.02	58.90	50.68	57.0	7.0	21	X	X	Solinst 51166.
BEC-10	6/5/2008	SamplePro Portable System	NA	NA	NA	NA	NA	4	0.02	89.00	57.59	NA	NA	NA		X	Solinst 49517. Yielded 100 ml/min.
COH-1	9/22/2009	NA	Net-purge	300	110	2	48	2	0.02	171.34	18.75	168.0	13.0	72	X	X	Keck 562. Well not secured.
COH-1A	6/4/2008	SamplePro Portable System	NA	NA	NA	NA	NA	2	0.02	16.75	Dry	NA	NA	NA		X	Solinst 51166. Yielded 100 ml/min.
COH-2	8/11/2009	SamplePro Portable System	Net-purge	300	90	3	77	2	0.02	172.76	7.18	165.0	20.0	60	X	X	Keck 82050088.
COH-2A	9/11/2009	SamplePro Portable System	Micro-purge	100	40	2	46	2	INA	53.69	15.56	45.0	1.7	13	X	X	Keck 82050088. Yielded 100 ml/min.
DBMW-1	8/31/2009	SamplePro Portable System	Micro-purge	100	60	1	7	4	0.02	51.53	34.96	47.0	3.5	39	X	X	Keck 82050088.
DBMW-2	9/4/2009	SamplePro Portable System	Micro-purge	100	55	1	10	4	0.02	52.15	34.90	42.0	2.3	21	X	X	Keck 82050088.
DBMW-3	9/4/2009	SamplePro Portable System	Micro-purge	250	55	1	10	4	0.02	42.12	31.95	40.0	4.5	18	X	X	Keck 82050088. Field tested for Total Alkalinity.
DBMW-4	9/22/2009	SamplePro Portable System	Micro-purge	450	60	4	103	4	0.02	44.82	25.18	29.0	11.9	28	X	X	Solinst 122009567-1. Field tested for Total Alkalinity.
DBMW-5	9/23/2009	SamplePro Portable System	Micro-purge	350	70	3	76	4	0.02	38.28	27.16	34.0	9.2	29	X	X	Solinst 122009567-1.

**Table 6. Well Purging Details and Groundwater Sampling Summary
2009 Monitoring Event (August-October 2009)
BMI Common Areas (Eastside), Clark County, Nevada**

Well ID	Start Date of Purging/ Sampling	Pump Model	Purge Method	Average Pumping Rate for Purging or Sampling (mL/min)	Optimal Bladder Pump Settings			Diameter of Casing (inches)	Screen Slot Size (inches)	Total Measured Depth of Well (ft btoc)	Static Depth to Water (ft btoc)	Pump Intake Depth (ft btoc)	Volume of Water Purged (liters)	Pumping Duration (minutes)	Used for Groundwater Chemical (Quality) Sampling	Used for Groundwater Elevation Measurements	Comments During Sampling Activities
					psi	cpm	ID										
DBMW-6	5/23/2008	SamplePro Portable System	Net-purge	400	60	1	5	4	0.02	52.96	47.57	51.0	15.0	72	X	X	Solinst 122009567-1. Field tested for Total Alkalinity.
DBMW-7	9/25/2009	SamplePro Portable System	Micro-purge	300	70	3	78	4	0.02	73.50	58.59	60.0	6.0	18	X	X	Solinst 122009567-1. Field tested for Total Alkalinity.
DBMW-8	6/3/2008	SamplePro Portable System	Micro-purge	300	60	3	81	4	0.02	69.40	56.23	65.0	5.5	33	X	X	Keck 2184.
DBMW-9	5/23/2008	SamplePro Portable System	Micro-purge	100	70	1	6	4	0.02	76.80	62.90	74.0	5.0	50	X	X	Solinst 49517.
DBMW-10	9/25/2009	SamplePro Portable System	Net-purge	800	50	2	46	4	0.02	80.33	62.00	70.0	20.0	113	X	X	Solinst 49517. Yielded 100 ml/min.
DBMW-11	9/25/2009	SamplePro Portable System	Net-purge	350	40	2	50	4	0.02	75.00	56.70	60.0	18.0	98	X	X	Solinst 122009567-1. Yielded 100 ml/min.
DBMW-12	9/24/2009	SamplePro Portable System	Micro-purge	350	90	3	74	4	0.02	79.00	57.75	73.0	10.0	29	X	X	Solinst 49517.
DBMW-13	9/29/2009	SamplePro Portable System	Micro-purge	100	60	2	44	4	0.02	79.25	59.34	64.0	2.6	24	X	X	Solinst 122009567-1.
DBMW-14	9/29/2009	SamplePro Portable System	Micro-purge	250	70	2	50	4	0.02	68.40	48.76	55.0	4	18	X	X	Solinst 122009567-1.
DBMW-15	9/30/2009	SamplePro Portable System	Micro-purge	250	60	2	47	4	0.02	71.45	50.45	58.0	3.7	22	X	X	Solinst 122009567-1.
DBMW-16	10/2/2009	SamplePro Portable System	Micro-purge	100	80	2	50	4	0.02	119.60	97.27	107.0	2.7	27	X	X	Solinst 122009567-1.
DBMW-17	9/30/2009	SamplePro Portable System	Net-purge	INA	80	2	42	4	0.02	75.50	71.55	75.0	16.0	160	X	X	Solinst 49517.
DBMW-18	9/29/2009	SamplePro Portable System	NA	NA	NA	NA	NA	4	0.02	68.55	65.25	NA	NA	NA	X	X	Solinst 49517. Well remains dry. No samples were collected.
DBMW-19	9/24/2009	SamplePro Portable System	Micro-purge	500	80	4	103	4	0.02	42.61	29.72	35.0	11.0	23	X	X	Solinst 122009567-1.
DBMW-20	9/30/2009	SamplePro Portable System	Micro-purge	500	INA	INA	INA	4	0.02	74.16	40.41	51.0	9.5	21	X	X	Solinst 122009567-1.
DBMW-22	9/25/2009	SamplePro Portable System	Net-purge	500	70	1	5	4	0.02	59.15	29.57	50.0	23.0	138	X	X	Solinst 49517. Yielded 100 ml/min.
DM-1	10/1/2009	SamplePro Portable System	Micro-purge	100	50	2	44	2	0.02	54.26	49.61	52.0	2.0	18	X	X	Solinst 49517.
DM-4	6/4/2008	NA	NA	NA	NA	NA	NA	2	0.02	20.16	Dry	NA	NA	NA		X	Keck 82050088. Insufficient water column to sample.
DM-5	5/23/2008	NA	NA	NA	NA	NA	NA	2	0.02	23.65	23.43	NA	NA	NA	X	X	Keck 82050088. Monument secure. 0.0 (10.6); 0.0 (11.7). Hard bottom. Not dedicated.

**Table 6. Well Purging Details and Groundwater Sampling Summary
2009 Monitoring Event (August-October 2009)
BMI Common Areas (Eastside), Clark County, Nevada**

Well ID	Start Date of Purging/ Sampling	Pump Model	Purge Method	Average Pumping Rate for Purging or Sampling (mL/min)	Optimal Bladder Pump Settings			Diameter of Casing (inches)	Screen Slot Size (inches)	Total Measured Depth of Well (ft btoc)	Static Depth to Water (ft btoc)	Pump Intake Depth (ft btoc)	Volume of Water Purged (liters)	Pumping Duration (minutes)	Used for Groundwater Chemical (Quality) Sampling	Used for Groundwater Elevation Measurements	Comments During Sampling Activities
					psi	cpm	ID										
DM-7B	6/5/2008	NA	NA	NA	NA	NA	NA	2	0.01	48.14	Dry	NA	NA	NA		X	Keck 82050088. Lid broken (not secure). 0.0 (10.6);0.0 (11.7). Hard bottom.
DM-8	6/6/2008	NA	NA	NA	NA	NA	NA	2	0.01	38.85	Dry	NA	NA	NA		X	Keck 82050088. Monument secure. 0.0 (10.6);0.0 (11.7). Hard bottom. Not dedicated.
DM-9	6/6/2008	SamplePro Portable System	NA	NA	NA	NA	NA	2	0.01	60.05	Dry	NA	NA	NA		X	Solinst 122009567-1
HMW-08	9/29/2009	SamplePro Portable System	Micro-purge	600	60	5	133	2	INA	41.50	23.50	33.0	25.4	45	X	X	Solinst 122009567-1
HMW-09	9/28/2009	SamplePro Portable System	Micro-purge	350	60	4	103	2	INA	46.00	17.78	36.0	7.5	24	X	X	Solinst 122009567-1.
HMW-16	6/4/2008	NA	NA	NA	NA	NA	NA	2	INA	23.90	9.92	NA	NA	NA		X	NA
HMWWT-4	NA	SamplePro Portable System	NA	NA	NA	NA	NA	2	0.02	NA	NA	NA	NA	NA		X	Solinst 122009567-1.
HMWWT-6	9/4/2009	SamplePro Portable System	Micro-purge	250	55	2	47	2	0.02	52.20	41.75	45.0	5.0	36	X	X	Solinst 122009567-1
HMWWT-8	6/5/2008	Well Wizard Dedicated / L - System	NA	NA	NA	NA	NA	2	0.02	NA	NA	NA	NA			X	Solinst 12205353.
MCF-01A	8/7/2009	Well Wizard Dedicated / L - System	Net-purge	900	60	3	82	4	0.01	355.45	40.08	343.0	13.8	47	X	X	Solinst 12205353. Resampled for Hex Chrome, VOC's, OCP's
MCF-01B	8/7/2009	Well Wizard Dedicated / L - System	Micro-purge	200	50	2	45	4	0.01	86.20	47.00	72.0	4.2	24	X	X	Solinst 122009567-1.
MCF-02A	8/18/2009	Well Wizard Dedicated / L - System	Net-purge	700	50	1	10	4	0.01	377.90	36.87	370.0	25.0	90	X	X	Solinst 122009567-1. Yielded 100 ml/min.
MCF-02B	8/18/2009	Well Wizard Dedicated / L - System	Net-purge	500	60	1	15	4	0.01	237.40	61.25	228.0	22.0	89	X	X	Solinst 122009567-1. Yielded 100 ml/min.
MCF-03A	8/13/2009	Well Wizard Dedicated / L - System	Micro-purge	150	50	2	50	4	0.01	386.10	51.95	372.0	5.7	42	X	X	Solinst 122009567-1.
MCF-03B	8/13/2009	Well Wizard Dedicated / L - System	Net-purge	650	60	1	4	4	0.01	80.15	54.93	69.0	35.0	105	X	X	Solinst 122009567-1.
MCF-04	8/20/2009	Well Wizard Dedicated / L - System	Net-purge	950	50	2	50	4	0.01	402.30	30.61	391.0	29.0	60	X	X	Solinst 51166. Yielded 100 ml/min.
MCF-05	8/20/2009	Well Wizard Dedicated / L - System	Net-purge	800	60	1	20	4	0.01	233.40	45.69	226.0	25.0	60	X	X	Solinst 51166. Yielded 100 ml/min. Field Tested for Total Alkalinity.
MCF-06A-R	8/31/2009	Well Wizard Dedicated / L - System	Net-purge	400	170	1	20	INA	INA	376.50	109.13	366.0	20.0	93	X	X	Solinst 122009567-1. Water had high temp. readings due meter error. Field Tested for Total Alkalinity.
MCF-06B	8/24/2009	SamplePro Portable System	Net-purge	900	40	2	47	4	0.01	85.23	56.30	77.0	32.0	98	X	X	Solinst 122009567-1. Yielded 100 ml/min.

**Table 6. Well Purging Details and Groundwater Sampling Summary
2009 Monitoring Event (August-October 2009)
BMI Common Areas (Eastside), Clark County, Nevada**

Well ID	Start Date of Purging/ Sampling	Pump Model	Purge Method	Average Pumping Rate for Purging or Sampling (mL/min)	Optimal Bladder Pump Settings			Diameter of Casing (inches)	Screen Slot Size (inches)	Total Measured Depth of Well (ft btoc)	Static Depth to Water (ft btoc)	Pump Intake Depth (ft btoc)	Volume of Water Purged (liters)	Pumping Duration (minutes)	Used for Groundwater Chemical (Quality) Sampling	Used for Groundwater Elevation Measurements	Comments During Sampling Activities
					psi	cpm	ID										
MCF-06C	9/4/2009	SamplePro Portable System	Net-purge	400	50	1	7	4	0.01	62.42	57.36	61.0	20.0	94	X	X	Solinst 122009567-1. Yielded 100 ml/min.
MCF-07	9/8/2009	Well Wizard Dedicated / L - System	Net-purge	600	90	1	7	4	0.01	369.50	79.12	362.5	32.0	115	X	X	Solinst 51166.
MCF-08A	8/21/2009	Well Wizard Dedicated / L - System	Net-purge	900	30	2	43	4	0.01	371.50	0.00	363.0	27.0	77	X	X	Solinst 51166. Yielded 100 ml/min.
MCF-08B-R	8/14/2009	Well Wizard Dedicated / L - System	Net-purge	900	20	2	46	4	INA	139.90	3.09	129.0	36.0	73	X	X	Solinst 51166. Yielded 100 ml/min.
MCF-09A	8/12/2009	Well Wizard Dedicated / L - System	Net-purge	600	50	1	11	4	0.01	286.70	39.54	283.0	23.0	77	X	X	Solinst 51166. Yielded 100 ml/min.
MCF-09B	8/12/2009	Well Wizard Dedicated / L - System	Net-purge	975	60	1	10	4	0.01	129.00	38.24	115.0	24.0	68	X	X	Solinst 51166. Yielded 100 ml/min.
MCF-10A	8/12/2009	Well Wizard Dedicated / L - System	Net-purge	600	80	1	13	4	0.01	385.95	0.00	376.5	34.0	65	X	X	Solinst 122009567-1. Yielded 100 ml/min.
MCF-10B	8/12/2009	Well Wizard Dedicated / L - System	Net-purge	700	50	2	47	4	0.01	107.31	18.16	91.0	32.0	87	X	X	Solinst 122009567-1 Yielded 100 ml/min.
MCF-11	8/14/2009	Well Wizard Dedicated / L - System	Net-purge	800	50	1	14	4	0.01	105.80	30.50	99.0	36.0	101	X	X	Solinst 122009567-1.
MCF-12A	8/19/2009	Well Wizard Dedicated / L - System	Net-purge	800	60	1	10	4	0.01	371.20	52.46	360.0	24.0	68	X	X	Solinst 51166. Yielded 100 ml/min.
MCF-12 B	8/19/2009	Well Wizard Dedicated / L - System	Micro-purge	100	40	1	9	4	0.01	84.20	68.24	74.5	2.0	18	X	X	Solinst 51166.
MCF-12 C	8/19/2009	Well Wizard Dedicated / L - System	Micro-purge	100	90	1	13	4	0.01	175.32	69.04	155.0	2.4	21	X	X	Solinst 51166.
MCF-16A	9/23/2009	Well Wizard Dedicated / L - System	Net-purge	500	60	1	10	4	0.01	393.94	48.15	374.5	13.0	65	X	X	Keck 82050088. Yielded 100 ml/min.
MCF-16B	9/2/2009	Well Wizard Dedicated / L - System	Net-purge	700	60	1	12	4	0.01	312.00	66.09	299.0	25.0	86	X	X	Keck 82050088. Yielded 100 ml/min.
MCF-16C	9/2/2009	Well Wizard Dedicated / L - System	Net-purge	500	40	1	13	4	0.01	81.86	66.93	71.0	24.0	84	X	X	Keck 82050088. Yielded 100 ml/min.
MCF-17A	9/25/2009	Well Wizard Dedicated / L - System	Net-purge	900	30	1	3	4	INA	391.11	0.00	381.0	35.0	66	X	X	Solinst 122009567-1. Yielded 100 ml/min.
MCF-18A	9/15/2009	Well Wizard Dedicated / L - System	Net-purge	400	150	1	16	4	INA	403.85	25.85	393.0	28.0	95	X	X	Solinst 122009567-1. Field tested for Total Alkalinity. Yielded 100 ml/min.
MCF-19A	8/28/2009	Well Wizard Dedicated / L - System	Net-purge	700	120	1	20	4	INA	363.73	47.85	353.0	24.0	80	X	X	Keck 82050088. Yielded 100 ml/min.
MCF-20A	8/31/2009	Well Wizard Dedicated / L - System	Net-purge	400	150	1	20	4	INA	384.58	76.83	375.0	20.0	106	X	X	Solinst 122009567-1. Field tested for Total Alkalinity. Yielded 100 ml/min.

**Table 6. Well Purging Details and Groundwater Sampling Summary
2009 Monitoring Event (August-October 2009)
BMI Common Areas (Eastside), Clark County, Nevada**

Well ID	Start Date of Purging/ Sampling	Pump Model	Purge Method	Average Pumping Rate for Purging or Sampling (mL/min)	Optimal Bladder Pump Settings			Diameter of Casing (inches)	Screen Slot Size (inches)	Total Measured Depth of Well (ft btoc)	Static Depth to Water (ft btoc)	Pump Intake Depth (ft btoc)	Volume of Water Purged (liters)	Pumping Duration (minutes)	Used for Groundwater Chemical (Quality) Sampling	Used for Groundwater Elevation Measurements	Comments During Sampling Activities
					psi	cpm	ID										
MCF-21A	8/17/2009	Well Wizard Dedicated / L - System	Net-purge	500	80	1	14	4	INA	365.02	82.54	355.0	30.0	114	X	X	Solinst 122009567-1. Yielded 100 ml/min.
MCF-22A	9/24/2009	Well Wizard Dedicated / L - System	Net-purge	800	70	1	6	4	INA	382.38	8.35	372.0	26.0	71	X	X	Solinst 49517. Yielded 100 ml/min.
MCF-23A	9/11/2009	Well Wizard Dedicated / L - System	Net-purge	400	160	1	16	4	INA	385.11	47.40	375.0	16.0	73	X	X	Solinst 122009567-1. Yielded 100 ml/min.
MCF-24A	8/17/2008	Well Wizard Dedicated / L - System	Net-purge	700	80	1	10	4	INA	378.64	76.39	368.0	27.0	83	X	X	Solinst 51166. Yielded 100 ml/min.
MCF-24B	10/2/2009	SamplePro Portable System	Net-purge	300	90	2	48	4	INA	175.00	66.05	165.0	15.0	78	X	X	Solinst 49517.
MCF-25A	8/17/2009	Well Wizard Dedicated / L - System	Net-purge	900	40	2	46	4	INA	368.34	18.11	358.0	30.0	70	X	X	Solinst 51166. Yielded 100 ml/min.
MCF-27	9/10/2009	Well Wizard Dedicated / L - System	Net-purge	900	35	1	4	4	0.01	384.80	9.74	374.0	40.0	104	X	X	Solinst 122009567-1. Yielded 100 ml/min.
MCF-28A	9/24/2009	Well Wizard Dedicated / L - System	Net-purge	700	60	1	3	4	INA	394.10	14.02	380.0	32.0	79	X	X	Solinst 49517. Yielded 100 ml/min.
MCF-28B	9/28/2009	SamplePro Portable System	Net-purge	300	90	2	45	4	INA	191.75	0.00	178.0	18.0	94	X	X	Solinst 49517. Yielded 100 ml/min
MCF-29A	9/24/2009	Well Wizard Dedicated / L - System	Net-purge	900	30	1	4	4	INA	384.50	6.41	369.9	32.0	109	X	X	Solinst 122009567-1. Yielded 100 ml/min.
MCF-29B	9/28/2009	SamplePro Portable System	Net-purge	300	95	2	47	4	INA	179.80	16.35	165.0	19.0	108	X	X	Solinst 49517. Yielded 100 ml/min
MCF-30A	9/28/2009	SamplePro Portable System	Net-purge	800	50	1	2	4	INA	372.70	21.13	360.0	32.0	98	X	X	Solinst 122009567-1. Yielded 100 ml/min
MCF-30B	9/28/2009	SamplePro Portable System	Net-purge	300	100	2	50	4	INA	167.60	18.03	154.0	15.0	92	X	X	Solinst 122009567-1. Yielded 100 ml/min
MCF-31A	9/25/2009	Well Wizard Dedicated / L - System	Net-purge	700	60	2	50	4	INA	386.00	3.08	371.0	32.0	89	X	X	Solinst 122009567-1. Yielded 100 ml/min
MCF-31B	9/25/2009	Well Wizard Dedicated / L - System	Net-purge	700	80	1	4	4	INA	235.00	44.80	220.0	30.0	76	X	X	Solinst 122009567-1. Yielded 100 ml/min
MCF-32A	1/25/2010	Well Wizard Dedicated / L - System	Micro-purge	100	60	1	5	4	INA	360.00	24.56	350.0	4.2	42	X	X	Solinst 51166. Yielded 100 ml/min.
MCF-32B	10/1/2009	SamplePro Portable System	Net-purge	300	90	2	48	4	INA	163.50	70.63	145.0	15.0	70	X	X	Solinst 49517. Yielded 100 ml/min.
MW-01	9/22/2009	NA	NA	NA	NA	NA	NA	2	INA	4.65	0.00	NA	NA	NA	X	X	Solinst 49517.
MW-03	9/10/2009	SamplePro Portable System	Micro-purge	100	60	2	44	2	INA	68.17	36.70	63.0	2.0	18	X	X	Keck 82050088.

**Table 6. Well Purging Details and Groundwater Sampling Summary
2009 Monitoring Event (August-October 2009)
BMI Common Areas (Eastside), Clark County, Nevada**

Well ID	Start Date of Purging/ Sampling	Pump Model	Purge Method	Average Pumping Rate for Purging or Sampling (mL/min)	Optimal Bladder Pump Settings			Diameter of Casing (inches)	Screen Slot Size (inches)	Total Measured Depth of Well (ft btoc)	Static Depth to Water (ft btoc)	Pump Intake Depth (ft btoc)	Volume of Water Purged (liters)	Pumping Duration (minutes)	Used for Groundwater Chemical (Quality) Sampling	Used for Groundwater Elevation Measurements	Comments During Sampling Activities
					psi	cpm	ID										
MW-04	9/10/2009	SamplePro Portable System	Net-purge	500	40	2	44	2	INA	32.91	24.57	28.0	23.0	64	X	X	Keck 82050088. Yielded 100 ml/min.
MW-13	9/2/2009	SamplePro Portable System	Micro-purge	500	60	5	134	4	INA	49.53	36.75	43.0	12.5	26	X	X	Solinst 122009567-1.
MW-15	9/2/2009	SamplePro Portable System	Micro-purge	300	60	3	84	4	INA	110.69	95.65	105.0	6.7	24	X	X	Solinst 122009567-1.
PC-1	6/5/2008	NA	NA	NA	NA	NA	NA	2	0.02	27.50	25.44	NA	NA	NA		X	Keck 82050088. Well not secure (no bolts). 0.0 (10.6);0.0 (11.7). Soft bottom. Located across from 432 Sunset Rd.
PC-2	8/19/2009	NA	Micro-purge	400	50	4	101	2	0.02	33.30	27.55	31.0	10.2	38	X	X	Solinst 122009567-1.
PC-4	8/19/2009	SamplePro Portable System	Micro-purge	400	60	4	103	2	0.02	43.25	33.30	37.0	8.7	27	X	X	Solinst 122009567-1.
PC-12	6/6/2008	NA	NA	NA	NA	NA	NA	2	0.02	29.95	29.75	NA	NA	NA		X	Keck 562 Well secured, flush mount
PC-19	6/4/2008	NA	NA	NA	NA	NA	NA	2	0.02	48.28	28.79	NA	NA	NA		X	Keck 562 Well secured, flush mount
PC-21	NA	NA	39605.0000	NA	NA	NA	NA	2	0.02	36.90	29.57	NA	NA	NA		X	Keck 82050088. Secured with bolts. 0.0 (10.6);0.0 (11.7). Soft bottom. Located on Palm St, south of Barrett St.
PC-24	8/20/2009	SamplePro Portable System	Micro-purge	650	60	5	129	2	0.02	29.20	20.88	26.0	9.0	17	X	X	Solinst 122009567-1.
PC-28	8/20/2009	SamplePro Portable System	Micro-purge	350	55	3	73	2	0.02	19.60	11.65	17.0	7.5	24	X	X	Solinst 122009567-1.
PC-31	6/6/2008	SamplePro Portable System	NA	NA	NA	NA	NA	2	0.02	46.70	11.13	NA	NA	NA		X	Solinst 122009567-1.
PC-40	6/6/2008	SamplePro Portable System	NA	NA	NA	NA	NA	2	0.02	NA	NA	NA	NA	NA		X	Solinst 122009567-1.
PC-50	6/6/2008	SamplePro Portable System	NA	NA	NA	NA	NA	2	0.02	36.26	12.64	NA	NA	NA		X	Solinst 122009567-1
PC-54	6/6/2008	NA	NA	NA	NA	NA	NA	2	0.02	27.87	18.04	NA	NA	NA		X	Keck 562 Well secured, flush mount
PC-56	6/4/2008	NA	NA	NA	NA	NA	NA	2	0.02	33.16	11.48	NA	NA	NA		X	Keck 562 Well secured, flush mount
PC-58	6/4/2008	NA	NA	NA	NA	NA	NA	2	0.02	53.33	12.16	NA	NA	NA		X	Could not locate well.
PC-62	6/4/2008	NA	NA	NA	NA	NA	NA	2	0.01	31.85	12.30	NA	NA	NA		X	Keck 562 Well secured, flush mount, east of pump 120
PC-64	6/6/2008	SamplePro Portable System	NA	NA	NA	NA	NA	2	0.02	18.31	7.74	NA	NA	NA		X	Solinst 122009567-1.
PC-67	9/9/2009	NA	Micro-purge	500	60	4	105	2	0.02	34.24	12.55	23.0	12.0	24	X	X	Keck 82050088.
PC-76	9/21/2009	SamplePro Portable System	Micro-purge	100	40	2	44	2	0.02	25.75	14.85	19.0	2.8	31	X	X	Solinst 49517.
PC-79	8/27/2009	SamplePro Portable System	Micro-purge	500	60	5	129	2	0.02	42.75	11.03	40.0	13.5	29	X	X	Solinst 122009567-1.

**Table 6. Well Purging Details and Groundwater Sampling Summary
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BMI Common Areas (Eastside), Clark County, Nevada**

Well ID	Start Date of Purging/ Sampling	Pump Model	Purge Method	Average Pumping Rate for Purging or Sampling (mL/min)	Optimal Bladder Pump Settings			Diameter of Casing (inches)	Screen Slot Size (inches)	Total Measured Depth of Well (ft btoc)	Static Depth to Water (ft btoc)	Pump Intake Depth (ft btoc)	Volume of Water Purged (liters)	Pumping Duration (minutes)	Used for Groundwater Chemical (Quality) Sampling	Used for Groundwater Elevation Measurements	Comments During Sampling Activities
					psi	cpm	ID										
PC-80	8/27/2009	SamplePro Portable System	Micro-purge	350	60	4	102	2	0.02	28.75	11.11	25.0	18.0	48	X	X	Solinst 122009567-1.
PC-81	9/1/2009	NA	Micro-purge	400	50	4	99	2	0.02	14.80	11.06	13.0	11.4	27	X	X	Solinst 122009567-1.
PC-82	6/4/2008	NA	NA	NA	NA	NA	NA	2	0.02	58.20	7.89	NA	NA	NA		X	Keck 562 Well secured, flush mount, Henderson treatment facility
PC-83	6/4/2008	NA	NA	NA	NA	NA	NA	2	0.02	30.29	7.21	NA	NA	NA		X	Keck 562 Well not secure, flush mount, well cover and vault broken, Henderson treatment facility
PC-84	6/4/2008	NA	NA	NA	NA	NA	NA	2	0.02	NA	NA	NA	NA	NA		X	Well abandoned.
PC-86	6/4/2008	NA	NA	NA	NA	NA	NA	2	0.02	26.58	5.58	NA	NA	NA		X	Could not locate well.
PC-88	9/1/2009	NA	Micro-purge	350	80	5	129	2	0.02	47.10	8.50	46.0	9.0	25	X	X	Solinst 122009567-1.
PC-89	6/4/2008	SamplePro Portable System	NA	NA	NA	NA	NA	2	0.02	2.28	Dry	NA	NA	NA		X	Solinst 122009567-1.
PC-90	9/9/2009	SamplePro Portable System	Micro-purge	500	30	4	105	2	0.02	13.28	8.46	9.5	9.0	18	X	X	Keck 82050088.
PC-92	6/6/2008	NA	NA	NA	NA	NA	NA	2	0.02	37.35	9.60	NA	NA	NA		X	Keck 82050088. Monument not secure (no lid). 0.0 (10.6);0.0 (11.7). Soft bottom.
PC-94	9/9/2009	SamplePro Portable System	Micro-purge	500	30	4	105	2	0.02	19.25	13.27	14.5	9.0	18	X	X	Keck 82050088. Monument secure. 0.0 (10.6);0.0 (11.7). Hard bottom. Not dedicated. 3" of water.
PC-95	6/6/2008	SamplePro Portable System	NA	NA	NA	NA	NA	2	0.02	32.27	5.45	NA	NA	NA		X	Keck 82050088.
PC-103	6/4/2008	SamplePro Portable System	NA	NA	NA	NA	NA	2	0.02	30.61	23.50	NA	NA	NA		X	Solinst 49517.
PC-104	6/4/2008	NA	NA	NA	NA	NA	NA	2	0.02	33.31	29.61	NA	NA	NA		X	Could not locate. However, it was last observed on the NEC of Galleria St. and Burns Rd.
PC-105	6/4/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		X	Keck 82050088. Secured with bolts. 0.0 (10.6);0.0 (11.7). Soft bottom. Located east of Roadhouse Casino.
PC-106	6/4/2008	NA	NA	NA	NA	NA	NA	2	0.02	NA	NA	NA	NA	NA		X	Keck 82050088. Secured with one bolt. 0.0 (10.6);0.0 (11.7). Soft bottom. Located on Ward Dr. off of Galleria St.
PC-107	6/4/2008	NA	NA	NA	NA	NA	NA	2	0.02	21.05	7.84	NA	NA	NA		X	Keck 82050088. Secured with bolts. 0.1 (10.6);0.1 (11.7). Hard bottom. Located next to Desert Sands RV Park off of Sunset Rd.
PC-108	9/16/2009	SamplePro Portable System	Micro-purge	450	60	4	103	2	0.02	40.15	13.05	28.0	8.3	19	X	X	Solinst122009567-1
POD-2-R	9/14/2009	SamplePro Portable System	Micro-purge	150	55	1	7	4	0.02	64.48	62.60	64.0	3.2	26	X	X	Solinst122009567-1. Field tested for Total Alkalinity.

**Table 6. Well Purging Details and Groundwater Sampling Summary
2009 Monitoring Event (August-October 2009)
BMI Common Areas (Eastside), Clark County, Nevada**

Well ID	Start Date of Purging/ Sampling	Pump Model	Purge Method	Average Pumping Rate for Purging or Sampling (mL/min)	Optimal Bladder Pump Settings			Diameter of Casing (inches)	Screen Slot Size (inches)	Total Measured Depth of Well (ft btoc)	Static Depth to Water (ft btoc)	Pump Intake Depth (ft btoc)	Volume of Water Purged (liters)	Pumping Duration (minutes)	Used for Groundwater Chemical (Quality) Sampling	Used for Groundwater Elevation Measurements	Comments During Sampling Activities
					psi	cpm	ID										
POD-4	6/6/2008	SamplePro Portable System	NA	NA	NA	NA	NA	INA	INA	59.20	56.30	NA	NA	NA		X	Solinst122009567-1
POD-7	6/5/2008	NA	NA	NA	NA	NA	NA	INA	INA	55.00	Dry	NA	NA	NA		X	Keck 562. Well secured.
POD-8	9/3/2009	SamplePro Portable System	Micro-purge	330	50	3	82	4	INA	72.26	70.35	71.0	8.0	24	X	X	Keck 82050088.
POU-3	9/22/2009	SamplePro Portable System	Micro-purge	450	80	4	103	4	0.02	67.05	38.72	65.0	9.0	19	X	X	Solinst 49517.
PZ-13	6/6/2008	NA	NA	NA	NA	NA	NA	2	INA	NA	NA	NA	NA	NA		X	
TWC-126	6/6/2008	NA	NA	NA	NA	NA	NA	2	INA	148.37	13.17	NA	NA	NA		X	
TWE-107	6/6/2008	NA	NA	NA	NA	NA	NA	2	INA	128.00	9.49	NA	NA	NA		X	
TW1	6/6/2008	NA	NA	NA	NA	NA	NA	2	INA	19.24	12.18	NA	NA	NA		X	
WMWS.585S	9/3/2009	SamplePro Portable System	Micro-purge	400	60	4	103	4	0.02	20.85	10.15	14.0	7.6	20	X	X	Solinst 122009567-1.
WMWS.585I	9/3/2009	SamplePro Portable System	Micro-purge	500	60	5	134	4	0.02	40.99	8.85	35.0	8.3	18	X	X	Solinst 122009567-1.
WMWS.585D	9/3/2009	SamplePro Portable System	Net-purge	400	60	2	46	4	0.02	79.60	9.58	70.0	30.0	109	X	X	Solinst 122009567-1.
W02	6/4/2008		NA	NA	NA	NA	NA	INA	INA	59.80	32.75	NA	NA	NA		X	

mL/min = Milliliters per minute
psi = Pounds per square inch
cpm = Cycles per minute
ID = Identification (as it applies to a specific pump setting)
ft msl = Feet above mean sea level
ft bgs = Feet below ground surface
ft btoc = Feet below top of casing
NA = Not applicable

^a Micro-purge = Low-flow sampling procedures in accordance with EPA Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures, April 1996, and Site-specific S
Net-purge = Sampling procedure conducted after micro-purge sampling procedure attempted, but due to excessive drawdown additional water was removed to ensure a representative sample. Net volumes purged from wells were greater than the required sample volume at a minimum and typically were greater than the volume of the well screen interval.

^b Survey data (elevation) are uncertain
The Reference Point Elevation on Table 4-4 (Monitoring Well Network Evaluation Summary) of the Hydrogeologic Characterization Workplan was assumed to be the same

**Table 7. Data Valication Qualifiers and Reason Codes
2009 Monitoring Event
BMI Common Areas (Eastside), Clark County, Nevada**

Data Qualifier/ Reason Code	Definition
<i>Laboratory Qualifier</i>	
U	Organic and inorganic analyses: the analyte was not detected above the level of the reported sample quantitation limit.
B	Inorganic analyses: the analyte was detected between the method detection limit and the sample quantitation limit. Organic analyses: the analyte was detected in the associated method blank.
J	Organic analyses: the analyte was detected between the method detection limit and the sample quantitation limit.
E	Organic and inorganic analyses: the sample concentration was greater than the calibration's upper limit and should be considered to be an estimated value.
*	Inorganic analyses: the analytical duplicate precision was not within control limits.
N	Inorganic analyses: the matrix spike was not within control limits.
D	Organic and inorganic analyses: the sample result was diluted.
<i>Functional Guidelines Validation Qualifier</i>	
J	The result is an estimated quantity. the associated numerical value is the approximate concentration of the analyte in the sample.
U	The analyte was detected, but qualified as nondetected during data validation due to blank contamination.
UJ	The nondetected analyte was qualified as estimated at the sample quantitation limit. The reported sample quantitation limit is approximate and may be inaccurate or imprecise.
R	The sample result is rejected and unusable due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.
J+	Inorganics analyses: the result is an estimated quantity, biased high. The associated numerical value is the approximate concentration of the analyte in the
<i>Project- Specific Validation Qualifier</i>	
X	The analytical result is not used for reporting because a more accurate and precise result is reported in its place.
Z	The associated data has not been subjected to the data review/validation process.
J+	Organics analyses: the result is an estimated quantity, biased high. The associated numerical value is the approximate concentration of the analyte in the sample.
J-	Organics analyses: the result is an estimated quantity, biased low. The associated numerical value is the approximate concentration of the analyte in the sample.
J-TDS	Inorganic analysis: the analytical result is estimated based on failure of Total Dissolved Solids (TDS) correctness check performed in accordance with Standard Methods (see Section 5.1 of DVSR #58)
J-CAB	Inorganic analysis: the analytical result is estimated based on failure of cation-anion balance correctness check performed in accordance with Standard Methods
J-TDS&CAB	Inorganic analysis: the analytical result is unreliable based on failure of cation-anion balance and TDS correctness checks performed in accordance with Standard Methods.

**Table 7. Data Valication Qualifiers and Reason Codes
2009 Monitoring Event
BMI Common Areas (Eastside), Clark County, Nevada**

Data Qualifier/ Reason Code	Definition
<i>Validation Reason Code</i>	
0	Laboratory reported non-detect.
1	The sample preparation and/or analytical holding time was exceeded.
2 ^a	The analyte was detected below the report limit but above the method detection limit.
3	The analyte was detected in an associated laboratory blank sample.
4	The MS/MSD recovery was outside of control limits.
5	The LCS recovery was outside of control limits.
6 ^b	The MS/MSD RPD was outside of control limits.
7 ^b	The LCS RPD was outside of control limits.
8	The surrogate recovery was outside of control limits.
9 ^b	Level IV data validation qualification.
10	The sample chromatogram did not resemble the standard hydrocarbon pattern.
11	The sample concentration was greater than the instrument's calibration range.
12	The calibration criterion of RRF, %D, and/or %RSD was not met.
13	The analyte was detected in field blank, rinsate blank, and/or trip blank sample.
14	The internal standards did not meet control criteria.
15	The serial dilution did not meet control criteria.
16	The difference between columns did not meet control criteria.
17	Field duplicates did not meet the 50% RPD control criterion.
18	Sample receipt temperature exceeded the acceptable range of from 4 to 6 degrees Celsius.
19	Analytical duplicate precision did not meet control criteria.
20	Headspace in vials containing water samples to be analyzed for volatiles.
21	The tracer yields did not meet control criteria.
22	The ratio of the measured TDS value to the mathematically calculated TDS sum was outside the specified error range (the cation-anion balance was within the error limits specified in Standard Methods).
23	The cation-anion balance was outside the error limits specified in Standard Methods (the ratio of the measured TDS value to the mathematically calculated TDS sum was within the specified error range).
24	The cation-anion balance was outside the error limits specified in Standard Methods, and the ratio of the measured TDS value to the mathematically calculated TDS sum was outside the specified error range.
25	Other

^a This reason code is applied to data entries with lab qualifiers J or B, as defined above.

^b These reason codes were used in the validation of historical data and will not be used in current and future site investigations.

**Table 8. Groundwater Elevation Data through August 2009
BMI Common Areas (Eastside),
Clark County, Nevada**

Well Identification	Well Installation Date	Surface Elevation (ft msl)	Northing	Easting	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)
AA-01	02/25/04	1754.93	26720238.4730	830921.1210	1757.13	4/8/2004	45.10	1712.03
						4/18/2006	44.78	1712.35
						7/27/2006	45.44	1711.69
						10/16/2006	45.63	1711.50
						1/22/2007	45.68	1711.45
						6/3/2008	47.07	1710.06
						8/6/2009	49.93	1707.20
AA-07	04/15/04	1610.07	26729569.8480	837113.5950	1612.70	7/23/2004	41.89	1570.81
						5/24/2006	40.60	1572.10
						7/27/2006	40.65	1572.05
						10/16/2006	40.71	1571.99
						1/23/2007	40.69	1572.01
						6/3/2008	40.78	1571.92
						8/6/2009	40.79	1571.91
AA-08	03/19/04	1579.02	26733221.8580	827753.9620	1580.82	6/7/2004	14.00	1566.82
						4/21/2006	13.13	1567.69
						7/26/2006	15.35	1565.47
						10/17/2006	12.00	1568.82
						1/23/2007	12.10	1568.72
						6/4/2008	14.50	1566.32
						8/4/2009	15.61	1565.21
AA-09	04/17/04	1694.26	26723427.1130	831024.2700	1695.87	7/7/2004	32.41	1663.46
						4/20/2006	36.71	1659.16
						7/26/2006	37.23	1658.64
						10/17/2006	37.52	1658.35
						1/22/2007	37.39	1658.48
						6/5/2008	37.68	1658.19
						8/3/2009	38.32	1657.55
AA-10	04/08/04	1613.32	26730015.3560	825973.7160	1615.12	7/9/2004	19.21	1595.91
						4/21/2006	19.08	1596.04
						7/27/2006	18.15	1596.97
						10/17/2006	18.37	1596.75
						1/23/2007	18.23	1596.89
						6/4/2008	18.50	1596.62
						8/3/2009	20.30	1594.82
AA-11	04/01/04	1658.00	26725458.7830	830672.6610	1660.05	4/15/2004	27.21	1632.84
						4/20/2006	29.43	1630.62
						7/26/2006	30.09	1629.96
						10/17/2006	30.31	1629.74
						1/23/2007	30.18	1629.87
						6/5/2008	30.34	1629.71
						8/3/2009	30.73	1629.32

**Table 8. Groundwater Elevation Data through August 2009
BMI Common Areas (Eastside),
Clark County, Nevada**

Well Identification	Well Installation Date	Surface Elevation (ft msl)	Northing	Easting	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)
AA-13	06/10/04	1722.37	26722860.9780	833889.3860	1724.69	7/11/2004	40.50	1684.19
						4/20/2006	56.95	1667.74
						7/26/2006	57.37	1667.32
						10/17/2006	58.17	1666.52
						1/22/2007	47.53	1677.16
						6/4/2008	5.88	1718.81
						8/4/2009	62.54	1662.15
AA-14	06/16/04	1698.07	26724283.5390	833615.6730	1701.05	7/12/2004	41.85	1659.20
						4/21/2006	64.42	1636.63
						7/26/2006	64.83	1636.22
						10/17/2006	64.78	1636.27
						1/22/2007	61.15	1639.90
						6/5/2008	64.80	1636.25
						8/3/2009	64.87	1636.18
AA-15	06/20/04	1655.46	26726004.2310	831753.6960	1658.13	7/12/2004	32.21	1625.92
						4/20/2006	42.31	1615.82
						7/26/2006	42.28	1615.85
						10/17/2006	42.26	1615.87
						1/23/2007	42.23	1615.90
						6/5/2008	Dry	Dry
						8/3/2009	42.31	1615.82
AA-18	06/23/04	1665.60	26727656.3830	836690.8700	1669.00	7/10/2004	59.40	1609.60
						4/21/2006	59.64	1609.36
						7/27/2006	59.62	1609.38
						10/17/2006	59.64	1609.36
						1/22/2007	59.56	1609.44
						6/5/2008	59.65	1609.35
						8/4/2009	59.67	1609.33
AA-19	07/10/04	1639.84	26727447.0970	832521.4350	1642.32	7/15/2004	32.00	1610.32
						4/20/2006	38.64	1603.68
						7/26/2006	41.30	1601.02
						10/17/2006	42.47	1599.85
						1/23/2007	43.78	1598.54
						6/5/2008	43.07	1599.25
						8/3/2009	Dry	Dry
AA-20	07/11/04	1626.07	26728007.7050	831811.8440	1628.49	7/15/2004	17.91	1610.58
						4/20/2006	24.02	1604.47
						7/26/2006	26.53	1601.96
						10/17/2006	27.81	1600.68
						1/23/2007	28.87	1599.62
						6/5/2008	28.00	1600.49
						8/3/2009	30.69	1597.80

**Table 8. Groundwater Elevation Data through August 2009
BMI Common Areas (Eastside),
Clark County, Nevada**

Well Identification	Well Installation Date	Surface Elevation (ft msl)	Northing	Easting	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)
AA-21	04/01/04	1583.13	26734078.7830	826148.0800	1584.20	4/7/2004	9.5	1574.70
						4/21/2006	9.80	1574.40
						7/26/2006	12.43	1571.77
						10/17/2006	9.89	1574.31
						1/23/2007	9.83	1574.37
						6/4/2008	11.75	1572.45
						8/4/2009	22.48	1561.72
AA-22	04/02/04	1579.88	26731586.0120	833425.5870	1581.53	4/8/2004	16.18	1565.35
						4/24/2006	14.97	1566.56
						7/27/2006	12.09	1569.44
						10/17/2006	18.52	1563.01
						1/23/2007	19.34	1562.19
						6/5/2008	24.52	1557.01
						8/4/2009	31.15	1550.38
AA-23 (ab)	5/9/2004	1533.95	26732387.1520	834561.7660	1536.54	6/6/2004	7.90	1528.64
AA-23-R	6/2/2007	1545.04	26731979.7760	833853.0596	NA	6/2/2007	23.00	NA
						6/4/2008	20.12	NA
						8/6/2009	30.65	NA
AA-26	07/15/04	1563.56	26733349.1490	840176.4930	1566.67	7/17/2004	42.70	1523.97
						4/24/2006	42.95	1523.72
						7/27/2006	42.68	1523.99
						10/26/2006	42.21	1524.46
						1/23/2007	46.45	1520.22
						6/3/2008	47.94	1518.73
						8/4/2009	48.46	1518.21
AA-27	07/06/04	1787.03	26719293.0620	832488.1050	1789.43	7/13/2004	59.45	1729.98
						4/19/2006	65.85	1723.58
						7/26/2006	66.77	1722.66
						10/16/2006	66.82	1722.61
						1/22/2007	66.97	1722.46
						6/3/2008	67.69	1721.74
						8/6/2009	68.11	1721.32
AA-30	05/08/09	1529.838	26733691.7000	836125.9120	1533.337	8/3/2009	20.30	1513.04
AA-UW1	7/30/2007	1771.22	26719622.4320	831431.7840	1774.45	6/3/2008	52.35	1722.10
						8/6/2009	51.98	1722.47
AA-UW2	8/3/2007	1817.63	26718136.9460	832813.7090	1821.36	6/3/2008	66.83	1754.53
						8/6/2009	67.16	1754.20
AA-UW3	8/6/2007	1809.07	26718940.8340	834787.9160	1812.72	6/3/2008	66.66	1746.06
						8/6/2009	66.66	1746.06
AA-UW4	8/7/2007	1796.79	26720026.3300	836520.8950	1800.28	6/5/2008	42.86	1757.42
						8/6/2009	43.50	1756.78

**Table 8. Groundwater Elevation Data through August 2009
BMI Common Areas (Eastside),
Clark County, Nevada**

Well Identification	Well Installation Date	Surface Elevation (ft msl)	Northing	Easting	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)
AA-UW5	8/8/2007	1765.05	26722955.8960	838140.3520	1768.68	6/5/2008	48.80	1719.88
						8/6/2009	48.87	1719.81
AA-UW6	8/8/2007	1737.01	26725569.5110	839433.7800	1740.81	6/5/2008	58.94	1681.87
						8/6/2009	59.51	1681.30
BEC-4	09/27/01	NA	26723946.7200	830699.3290	1681.34	4/24/2006	27.16	1654.18
						7/27/2006	28.03	1653.31
						10/16/2006	28.28	1653.06
						1/22/2007	27.49	1653.85
						6/5/2008	27.96	1653.38
						8/5/2009	30.82	1650.52
BEC-6	09/17/01	1725.26	26724104.5600	835794.8580	1725.52	4/24/2006	65.62	1659.90
						7/27/2006	66.28	1659.24
						10/16/2006	66.35	1659.17
						1/22/2007	66.69	1658.83
						6/4/2008	66.90	1658.62
						8/5/2009	67.64	1657.88
BEC-9	09/24/01	1647.74	26727221.5000	833049.5210	1617.74	4/24/2006	44.23	1573.51
						7/27/2006	46.76	1570.98
						10/16/2006	47.54	1570.20
						1/22/2007	48.59	1569.15
						6/5/2008	48.07	1569.67
						8/4/2009	52.86	1564.88
BEC-10	09/21/01	1657.38	26727623.5000	835778.5580	1657.39	4/24/2006	56.55	1600.84
						7/27/2006	57.30	1600.09
						10/16/2006	57.44	1599.95
						1/22/2007	58.08	1599.31
						6/5/2008	57.59	1599.80
						8/4/2009	59.08	1598.31
COH-1	7/8/2002	1550.11	26734350.0000	832839.1000	1550.11	4/28/2006	16.82	1533.29
						7/31/2006	16.72	1533.39
						10/19/2006	16.58	1533.53
						1/23/2007	17.01	1533.10
						6/4/2008	18.03	1532.08
						8/6/2009	18.69	1531.42
COH-1A	7/8/2002	1549.43	26734355.0000	832839.1000	1549.43	4/28/2006	17.6	1531.83
						7/27/2006	Dry	NA
						10/19/2006	Dry	NA
						1/23/2007	Dry	NA
						6/4/2008	Dry	NA
						8/6/2009	Dry	NA

**Table 8. Groundwater Elevation Data through August 2009
BMI Common Areas (Eastside),
Clark County, Nevada**

Well Identification	Well Installation Date	Surface Elevation (ft msl)	Northing	Easting	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)
COH-2	7/8/2002	NA	26733634.0800	832572.5160	NA	1/23/2007	5.07	NA
						6/4/2008	8.97	NA
						8/4/2009	10.55	NA
COH-2A	7/8/2002	NA	26733644.4250	832549.3380	NA	1/23/2007	13.74	NA
						6/4/2008	15.05	NA
						8/4/2009	14.98	NA
DBMW-1	6/19/2007	1623.99	26727999.2880	830469.5490	1626.46	6/6/2008	32.53	1593.93
						8/3/2009	34.79	1591.67
DBMW-2	6/18/2007	1625.01	26728059.4380	830530.2770	1627	6/6/2008	32.40	1594.60
						8/3/2009	34.71	1592.29
DBMW-3	6/20/2007	1623.40	26728150.1790	831032.8100	1625.86	6/6/2008	27.20	1598.66
						8/3/2009	31.64	1594.22
DBMW-4	7/23/2007	1603.42	26729903.2970	832295.9820	1605.81	6/4/2008	18.80	1587.01
						8/6/2009	25.73	1580.08
DBMW-5	7/22/2007	1607.19	26729807.5610	833398.9780	1609.65	6/4/2008	22.96	1586.69
						8/6/2009	27.67	1581.98
DBMW-6	6/21/2007	1629.97	26728947.3050	834409.6110	1632.63	6/4/2008	48.50	1584.13
						8/3/2009	Dry	Dry
DBMW-7	6/23/2007	1629.15	26729070.0390	835304.8970	1631.73	6/6/2008	56.86	1574.87
						8/3/2009	58.49	1573.24
DBMW-8	6/24/2007	1629.46	26729027.2130	835406.8700	1632.05	6/6/2008	56.30	1575.75
						8/3/2009	58.00	1574.05
DBMW-9	6/25/2007	1656.76	26727788.8470	836248.4250	1659.92	6/5/2008	63.12	1596.80
						8/4/2009	63.55	1596.37
DBMW-10	6/26/2007	1660.83	26727918.5710	836955.5910	1663.96	6/5/2008	62.05	1601.91
						8/4/2009	62.07	1601.89
DBMW-11	7/7/2007	1664.20	26727990.8000	837595.5640	1667.46	6/5/2008	60.30	1607.16
						8/4/2009	57.48	1609.98
DBMW-12	7/7/2007	1666.36	26727975.8370	838000.9650	1669.68	6/6/2008	59.47	1610.21
						8/4/2009	59.41	1610.27
DBMW-13	7/8/2007	1675.93	26727960.5270	838576.9590	1678.79	6/6/2008	59.38	1619.41
						8/4/2009	59.69	1619.10
DBMW-14	7/10/2007	1681.89	26727957.6190	838987.2600	1684.96	6/6/2008	47.88	1637.08
						8/4/2009	49.41	1635.55
DBMW-15	7/16/2007	1690.25	26727964.3140	839477.5020	1693.2	6/6/2008	49.58	1643.62
						8/4/2009	50.80	1642.40
DBMW-16	7/19/2007	1691.08	26728557.0260	840514.7840	1694.14	6/6/2008	97.22	1596.92
						8/4/2009	97.95	1596.19
DBMW-17	7/19/2007	1709.57	26728097.2720	840772.2740	1712.38	6/6/2008	71.47	1640.91
						8/4/2009	71.11	1641.27
DBMW-18	7/17/2007	1714.11	26727750.5320	840571.3440	1717.15	6/6/2008	65.91	1651.24
						8/4/2009	68.03	1649.12

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Well Identification	Well Installation Date	Surface Elevation (ft msl)	Northing	Easting	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)
DBMW-19	7/24/2007	1580.74	26731383.2290	831488.7370	1583.4	6/5/2008	21.16	1562.24
						8/6/2009	29.93	1553.47
DBMW-20	8/15/2007	1519.81	26734838.7133	838723.2506	NA	6/3/2008	40.48	NA
						8/6/2009	40.47	NA
DBMW-22	8/13/2007	1532.58	26733030.5170	839140.7410	1535.61	6/3/2008	29.97	1505.64
						8/6/2009	29.76	1505.85
DM-1	11/19/92	1729.11	26722024.6540	832745.0110	1727.21	4/24/2006	43.43	1683.78
						7/31/2006	44.23	1682.98
						10/16/2006	44.83	1682.38
						1/22/2007	40.51	1686.70
						6/4/2008	45.71	1681.50
						8/4/2009	50.67	1676.54
DM-4	10/20/95	1620.93	26728130.5990	830802.1700	1621.02	4/24/2006	Dry	Dry
						7/27/2006	Dry	Dry
						10/16/2006	Dry	Dry
						1/22/2007	Dry	Dry
						6/4/2008	Dry	Dry
						8/4/2009	Dry	Dry
DM-5	10/20/95	1623.82	26728698.7540	833187.2050	1623.90	4/24/2006	22.78	1601.12
						7/27/2006	23.65	1600.25
						10/16/2006	23.36	1600.54
						1/22/2007	23.65	1600.25
						6/4/2008	23.45	1600.45
						8/4/2009	Dry	Dry
DM-7B	09/03/96	1660.24	26727896.4920	837165.6550	1663.3	4/24/2006	Dry	Dry
						7/27/2006	Dry	Dry
						10/16/2006	Dry	Dry
						1/22/2007	Dry	Dry
						6/5/2008	Dry	Dry
						8/4/2009	Dry	Dry
DM-8	10/16/96	1682.22	26727795.1750	838790.5560	1684.78	4/27/2006	Dry	Dry
						7/27/2006	Dry	Dry
						10/16/2006	Dry	Dry
						1/22/2007	Dry	Dry
						6/6/2008	Dry	Dry
						8/6/2009	Dry	Dry
DM-9	10/16/96	1702.68	26725421.1400	836017.8510	1704.7	4/24/2006	Dry	Dry
						7/27/2006	Dry	Dry
						10/16/2006	Dry	Dry
						1/22/2007	Dry	Dry
						6/6/2008	Dry	Dry
						8/5/2009	Dry	Dry

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HMW-08	NA	1543.01	26733456.6877	833956.4390	1545.30	4/24/2006	17.26	1528.04
						7/26/2006	18	1527.30
						10/17/2006	16.89	1528.41
						1/23/2007	18.40	1526.90
						6/4/2008	19.78	1525.52
						8/3/2009	23.45	1521.85
HMW-09	NA	1543.66	26733362.3178	833045.8666	1543.60	4/24/2006	17.26	1526.34
						7/26/2006	12.96	1530.64
						10/17/2006	10.50	1533.10
						1/23/2007	10.86	1532.74
						6/4/2008	13.49	1530.11
						8/4/2009	17.70	1525.90
HMW-16	NA	1621.77	26728531.0000	827090.0000	1622.10	4/28/2006	Dry	Dry
						7/26/2006	10.04	1612.06
						10/17/2006	9.16	1612.94
						1/23/2007	9.55	1612.55
						6/4/2008	9.92	1612.18
						8/4/2009	9.70	1612.40
HMWWT-4	04/17/91	1741.00	26721385.6000	832430.0000	NA	5/26/2006	44.86	INA
						7/27/2006	45.44	INA
						10/16/2006	46.12	INA
						1/22/2007	42.00	INA
						8/5/2009	Dry	Dry
HMWWT-6	04/18/91	1774.31	26722112.8230	837455.7920	1774.04	4/24/2006	41.67	1732.37
						7/27/2006	41.81	1732.23
						10/16/2006	41.56	1732.48
						1/22/2007	41.65	1732.39
						6/5/2008	41.68	1732.36
						8/6/2009	41.80	1732.24
HMWWT-8	04/17/91	1766.00	26720421.6000	833239.4000	1766.00	4/24/2006	NA	NA
						7/27/2006	NA	NA
						10/16/2006	NA	NA
						1/22/2007	NA	NA
						6/5/2008	NA	NA
						8/6/2009	NA	NA
MCF-01A	05/21/04	1754.44	26720244.8600	830905.3010	1756.61	7/25/2004	36.40	1720.21
						4/18/2006	33.10	1723.51
						7/27/2006	30.00	1726.61
						10/16/2006	28.74	1727.87
						1/22/2007	30.14	1726.47
						6/3/2008	40.60	1716.01
						8/6/2009	40.10	1716.51

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MCF-01B	05/22/04	1753.95	26720256.8310	830888.5940	1756.28	6/7/2004	42.40	1713.88
						4/18/2006	44.12	1712.16
						7/27/2006	44.78	1711.50
						10/16/2006	44.94	1711.34
						1/22/2007	45.00	1711.28
						6/3/2008	46.33	1709.95
						8/6/2009	47.05	1709.23
MCF-02A	03/08/04	1816.44	26718435.2410	833801.4130	1818.42	3/24/2004	48.2	1770.22
						4/18/2006	43.31	1775.11
						7/27/2006	42.62	1775.80
						10/16/2006	41.94	1776.48
						1/22/2007	41.44	1776.98
						6/3/2008	39.73	1778.69
						8/6/2009	36.92	1781.50
MCF-02B	06/04/04	1816.36	26718432.1570	833785.6750	1819.38	7/8/2004	67.55	1751.83
						4/20/2006	62.13	1757.25
						7/27/2006	61.98	1757.40
						10/16/2006	61.76	1757.62
						1/22/2007	61.79	1757.59
						6/3/2008	61.37	1758.01
						8/6/2009	61.26	1758.12
MCF-03A	02/14/04	1783.23	26721058.7820	836835.2580	1784.06	2/25/2004	51.35	1732.71
						4/20/2006	47.33	1736.73
						7/27/2006	46.94	1737.12
						10/16/2006	46.49	1737.57
						1/22/2007	46.25	1737.81
						6/5/2008	43.75	1740.31
						8/6/2009	42.06	1742.00
MCF-03B	06/07/04	1783.46	26721066.6010	836813.1700	1785.72	7/9/2004	44.00	1741.72
						4/20/2006	43.70	1742.02
						7/27/2006	43.92	1741.80
						10/16/2006	44.16	1741.56
						1/22/2007	44.11	1741.61
						6/5/2008	44.58	1741.14
						8/6/2009	45.05	1740.67
MCF-04	02/20/04	1748.35	26723668.5620	837630.2300	1750.42	2/26/2004	36.51	1713.91
						4/20/2006	34.90	1715.52
						7/27/2006	34.60	1715.82
						10/16/2006	34.12	1716.30
						1/22/2007	33.87	1716.55
						6/6/2008	31.85	1718.57
						8/6/2009	30.64	1719.78

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MCF-05	07/14/04	1625.03	26728512.8380	832871.2090	1627.37	7/25/2004	60.10	1567.27
						4/20/2006	47.91	1579.46
						7/26/2006	48.37	1579.00
						10/17/2006	47.92	1579.45
						1/23/2007	47.86	1579.51
						6/4/2008	46.20	1581.17
						8/3/2009	47.93	1579.44
MCF-06A (ab)	3/5/04	1588.80	26729273.8480	834909.2240	1590.69	4/16/2004	27.42	1563.27
						4/20/2006	71.31	1519.38
						7/27/2006	81.15	1509.54
						10/16/2006	78.69	1512.00
						1/23/2007	75.38	1515.31
MCF-06A-R	3/31/08	1630.32	26729029.9910	834925.1770	1632.84	7/16/2008	228.25	1404.59
						8/21/2009	109.30	1523.54
MCF-06B	07/12/04	1630.40	26729012.4180	834930.9200	1633.18	7/16/2004	42.60	1590.58
						4/20/2006	52.00	1581.18
						7/26/2006	52.93	1580.25
						10/17/2006	53.26	1579.92
						1/23/2007	54.39	1578.79
						6/4/2008	54.10	1579.08
						8/3/2009	56.21	1576.97
MCF-06C	07/13/04	1630.42	26729004.5850	834945.8400	1633.12	7/15/2004	48.95	1584.17
						4/20/2006	52.49	1580.63
						7/26/2006	53.74	1579.38
						10/17/2006	54.19	1578.93
						1/23/2007	55.03	1578.09
						6/4/2008	55.09	1578.03
						8/3/2009	57.31	1575.81
MCF-07	05/09/04	1610.12	26729559.5220	837100.4230	1612.63	7/24/2004	88.33	1524.30
						5/24/2006	Plugged	NA
						8/30/2006	89.59	1523.04
						10/16/2006	80.30	1532.33
						1/23/2007	82.25	1530.38
						6/3/2008	79.48	1533.15
						8/6/2009	79.14	1533.49
MCF-08A	05/23/04	1578.43	26733214.2490	827771.6960	1581.24	4/7/2004	-17.1	1598.34
						4/21/2006	5 P.S.I.	1581.24
						7/26/2006	NA	1581.24
						10/17/2006	Artesian	1581.24
						1/23/2007	Artesian	1581.24
						6/4/2008	Artesian	1581.24
						8/4/2009	0.40	1580.84

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MCF-08B (ab)	05/23/04	1578.43	26733214.2490	827771.6960	1581.24	6/9/2004	10.60	1570.64
						4/21/2006	2.76	1578.48
						7/26/2006	4.3	1576.94
						10/17/2006	3.65	1577.59
						1/23/2007	2.60	1578.64
MCF-08B-R	4/2/08	1577.82	26733205.9450	827781.6210	1580.10	7/16/2008	2.70	1577.40
						8/4/2009	3.80	1576.30
MCF-09A	06/18/04	1693.00	26723449.6210	831019.1850	1695.77	4/18/2004	28.48	1667.29
						4/20/2006	38.41	1657.36
						7/26/2006	38.57	1657.20
						10/17/2006	38.47	1657.30
						1/22/2007	38.59	1657.18
						6/5/2008	38.35	1657.42
						8/3/2009	39.49	1656.28
MCF-09B	06/09/04	1694.11	26723441.4000	831041.5870	1696.23	7/7/2004	32.80	1663.43
						4/20/2006	36.09	1660.14
						7/26/2006	36.84	1659.39
						10/17/2006	37.02	1659.21
						1/22/2007	37.14	1659.09
						6/5/2008	37.22	1659.01
						8/3/2009	38.19	1658.04
MCF-10A	06/17/04	1612.38	26730022.8090	825951.4010	1615.86	4/14/2004	2.80	1613.06
						4/21/2006	Artesian	1615.86
						7/27/2006	14.30	1601.56
						10/17/2006	8.40	1607.46
						1/23/2007	3.68	1612.18
						6/4/2008	12.95	1602.91
						8/3/2009	Artesian	1615.86
MCF-10B	06/16/04	1612.54	26730040.8010	825935.1610	1615.35	7/9/2004	17.48	1597.87
						4/21/2006	17.43	1597.92
						7/27/2006	17.27	1598.08
						10/17/2006	16.54	1598.81
						1/23/2007	16.50	1598.85
						6/4/2008	17.24	1598.11
						8/3/2009	18.11	1597.24
MCF-11	07/02/04	1657.75	26725461.4590	830656.1630	1659.95	7/13/2004	27.82	1632.13
						4/20/2006	29.13	1630.82
						7/26/2006	29.83	1630.12
						10/17/2006	30.06	1629.89
						1/23/2007	29.84	1630.11
						6/5/2008	30.15	1629.80
						8/3/2009	30.48	1629.47

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MCF-12A	04/04/04	1713.68	26727429.2730	840058.7570	1716.16	7/22/2004	58.10	1658.06
						4/27/2006	55.13	1661.03
						7/27/2006	54.95	1661.21
						10/16/2006	54.80	1661.36
						1/24/2007	54.62	1661.54
						6/5/2008	53.44	1662.72
						8/6/2009	52.53	1663.63
MCF-12B	04/22/04	1712.74	26727441.7700	840046.0100	1714.88	6/5/2004	66.70	1648.18
						4/27/2006	65.8	1649.08
						7/27/2006	66.55	1648.33
						10/16/2006	66.68	1648.20
						1/24/2007	67.13	1647.75
						6/5/2008	67.75	1647.13
						8/6/2009	68.09	1646.79
MCF-12C	04/24/04	1713.03	26727428.9120	840042.0630	1715.27	7/21/2004	67.71	1647.56
						4/27/2006	66.59	1648.68
						7/27/2006	67.30	1647.97
						10/16/2006	67.51	1647.76
						1/24/2007	67.99	1647.28
						6/5/2008	68.50	1646.77
						8/6/2009	69.02	1646.25
MCF-16A	03/24/04	1689.67	26726023.3050	835886.9030	1691.66	4/6/2004	29.68	1661.98
						4/20/2006	47.82	1643.84
						7/26/2006	48.04	1643.62
						10/17/2006	47.82	1643.84
						1/22/2007	47.53	1644.13
						6/4/2008	47.37	1644.29
						8/5/2009	46.68	1644.98
MCF-16B	06/03/04	1689.75	26726026.5300	835867.5730	1692.26	7/23/2004	63.80	1628.46
						4/20/2006	65.71	1626.55
						7/26/2006	65.15	1627.11
						10/17/2006	65.31	1626.95
						1/22/2007	65.43	1626.83
						6/4/2008	65.33	1626.93
						8/5/2009	63.89	1628.37
MCF-16C	06/05/04	1689.88	26726030.1780	835846.3790	1691.98	6/11/2004	62.00	1629.98
						4/20/2006	65.75	1626.23
						7/26/2006	66.10	1625.88
						10/17/2006	66.32	1625.66
						1/22/2007	66.47	1625.51
						6/4/2008	66.34	1625.64
						8/5/2009	66.94	1625.04

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MCF-17A	05/10/08	1597.65	26732675.0000	825853.0000	1600.95	7/16/2008	Artesian	1600.95
						8/3/2009	Artesian	1600.95
MCF-18A	03/05/08	1574.16	26731588.0000	831874.0000	1577.67	7/15/2008	172.94	1404.73
						8/4/2009	26.30	1551.37
MCF-19A	03/17/08	1625.00	26728055.0000	830525.0000	1627.97	7/16/2008	147.39	1480.58
						8/5/2009	69.75	1558.22
MCF-20A	03/26/08	1623.53	26728861.0000	833377.0000	1626.41	7/14/2008	196.80	1429.61
						8/5/2009	77.33	1549.08
MCF-21A	05/15/08	1663.63	26727963.0000	838100.0000	1663.70	7/16/2008	94.91	1568.79
						8/6/2009	77.41	1586.29
MCF-22A	04/29/08	1680.62	26729054.0000	840735.0000	1681.55	7/16/2008	29.39	1652.16
						8/6/2009	8.37	1673.18
MCF-23A	05/21/08	1543.86	26726167.0000	830403.0000	1546.90	6/9/2004	9.20	1537.70
						8/4/2009	49.28	1497.62
MCF-24A	04/17/08	1674.07	26725666.0000	833902.0000	1676.98	7/16/2008	239.14	1437.84
						8/4/2009	76.01	1600.97
MCF-24B	06/20/09	1679.999	26725619.3400	833839.3550	1684.604	7/16/2008	80.68	1603.92
						8/4/2009	66.62	1617.98
MCF-25A	04/12/08	1708.72	26722083.0000	830470.0000	1711.57	7/16/2008	27.28	1684.29
						8/4/2009	18.04	1693.53
MCF-27	07/07/04	1786.85	26719301.6550	832471.3410	1789.38	7/14/2004	25.90	1763.48
						4/20/2006	15.88	1773.50
						7/26/2006	15.10	1774.28
						10/16/2006	14.50	1774.88
						1/22/2007	14.11	1775.27
						6/3/2008	11.41	1777.97
8/6/2009	9.85	1779.53						
MCF-28A	05/06/09	1564.729	26732313.6500	830679.5970	1569.158	8/3/2009	42.41	1526.75
MCF-28B	04/10/09	1565.239	26732313.0200	830661.5720	1568.943	8/3/2009	1.18	1567.76
MCF-29A	04/24/09	1543.475	26733436.5600	833957.8680	1547.572	8/3/2009	6.54	1541.03
MCF-29B	04/28/09	1543.518	26733444.9200	833954.6980	1547.826	8/3/2009	18.14	1529.69
MCF-30A	05/18/09	1527.604	26733724.1100	836135.1540	1530.867	8/3/2009	7.91	1522.96
MCF-30B	05/20/09	1528.839	26733707.0200	836130.6320	1532.317	8/3/2009	19.26	1513.06
MCF-31A	06/03/09	1523.82	26733550.2600	838327.1490	1528.038	8/3/2009	3.85	1524.19
MCF-31B	06/08/09	1523.953	26733552.2400	838313.9630	1528.212	8/3/2009	72.00	1456.21
MCF-32A	06/17/09	1727.881	26724066.5600	835743.7470	1732.256	8/3/2009	36.06	1696.20
MCF-32B	06/17/09	1728.311	26724074.9100	835753.1440	1732.701	8/3/2009	68.86	1663.84
MW-1	8/27/1997	1524.1	26734848.8600	839445.1300	1526.5	4/24/2006	75.56	1450.94
						7/27/2006	36.32	1490.18
						10/17/2006	36.00	1490.50
						1/23/2007	36.55	1489.95
						6/3/2008	Plugged	NA

**Table 8. Groundwater Elevation Data through August 2009
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Well Identification	Well Installation Date	Surface Elevation (ft msl)	Northing	Easting	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)
MW-1 (cont.)	8/27/1997	1524.1	26734848.8600	839445.1300	1526.5	8/6/2009	73.49	1453.01
MW-3	8/4/1994	1511.12	26735455.2400	840598.2700	1513.31	5/10/2006	36.48	1476.83
						7/27/2006	36.49	1476.82
						10/17/2006	36.05	1477.26
						1/23/2007	36.34	1476.97
						6/3/2008	36.78	1476.53
						8/6/2009	36.44	1476.87
MW-4	8/7/1994	1520.05	26733552.5600	838288.5900	1522.98	2/14/2007	18.28	1504.70
						6/3/2008	25.27	1497.71
						8/6/2009	24.39	1498.59
MW-13	NA	1528.36	26734741.2300	838307.0200	1530.31	1/23/2007	37.02	1493.29
						6/3/2008	36.80	1493.51
						8/6/2009	36.78	1493.53
MW-15	NA	NA	26735162.9000	841228.1400	1582.82	4/24/2006	95.47	1487.35
						7/27/2006	95.66	1487.16
						10/17/2006	95.33	1487.49
						1/23/2007	95.38	1487.44
						6/3/08	95.54	1487.28
						8/6/2009	95.63	1487.19
PC-1	03/24/98	1596.68	26730308.6460	830295.1130	1599.13	4/25/2006	23.43	1575.70
						7/27/2006	25.17	1573.96
						10/16/2006	23.88	1575.25
						1/22/2007	23.77	1575.36
						6/5/2008	25.44	1573.69
						8/4/2009	Dry	Dry
PC-2	03/23/98	1593.79	26730209.5850	830443.4540	1597.07	4/25/2006	22.16	1574.91
						7/27/2006	24.78	1572.29
						10/16/2006	23.35	1573.72
						1/22/2007	22.84	1574.23
						6/5/2008	23.97	1573.10
						8/4/2009	27.39	1569.68
PC-4	03/24/98	1597.13	26730353.4160	831171.8020	1600.42	4/25/2006	24.09	1576.33
						7/27/2006	25.82	1574.60
						10/16/2006	24.47	1575.95
						1/23/2007	24.81	1575.61
						6/5/2008	26.41	1574.01
						8/4/2009	33.13	1567.29
PC-10	4/13/1998	INA	26727968.4740	829891.0860	1619.59	4/25/2006	NA	NA
PC-12	04/13/97	1616.94	26728102.8660	829430.9820	1616.37	4/25/2006	27.4	1588.97
						7/26/2006	28.28	1588.09
						10/16/2006	28.48	1587.89
						1/22/2007	28.71	1587.66

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Well Identification	Well Installation Date	Surface Elevation (ft msl)	Northing	Easting	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)
PC-12 (cont.)	04/13/97	1616.94	26728102.8660	829430.9820	1616.37	6/6/2008	29.75	1586.62
						8/3/2009	NA	NA
PC-19	04/06/98	1618.07	26728058.9850	828510.1970	1617.62	4/25/2006	NA	NA
						8/3/2009	27.50	1590.12
PC-21	04/15/98	1722.2	26721332.7190	829269.5290	1724.52	4/25/2006	26.68	1697.84
						7/26/2006	NA	NA
						10/16/2006	NA	NA
						6/6/2008	29.57	1694.95
						8/4/2009	30.42	1694.10
PC-24	04/14/98	1633.95	26726729.8210	829524.1840	1633.48	4/25/2006	20.83	1612.65
						7/26/2006	23.62	1609.86
						10/16/2006	21.11	1612.37
						1/22/2007	21.00	1612.48
						6/6/2008	21.21	1612.27
						8/3/2009	21.46	1612.02
PC-28	04/23/98	1651.17	26725375.6670	828530.6490	1650.85	4/25/2006	11.75	1639.10
						7/26/2006	11.82	1639.03
						10/16/2006	11.70	1639.15
						1/22/2007	11.66	1639.19
						6/6/2008	12.70	1638.15
						8/3/2009	12.13	1638.72
PC-31	04/21/98	1658.13	26725195.8320	826259.6300	1657.86	4/25/2006	11.23	1646.63
						7/26/2006	11.49	1646.37
						10/16/2006	11.23	1646.63
						1/22/2007	11.17	1646.69
						6/6/2008	11.13	1646.73
						8/3/2009	11.25	1646.61
PC-40	04/28/98	1677.05	26723971.0440	826476.7790	1679.23	4/25/2006	23.08	1656.15
						7/26/2006	NA	NA
						10/16/2006	NA	NA
						1/23/2007	NA	NA
						6/6/2008	NA	NA
						8/4/2009	22.50	1656.73
PC-50	04/30/98	1633.49	26726722.2950	828326.9420	1633.46	4/25/2006	12.69	1620.77
						7/26/2006	19.52	1613.94
						10/16/2006	12.46	1621.00
						1/22/2007	12.43	1621.03
						6/6/2008	12.64	1620.82
						8/3/2009	12.75	1620.71
PC-54	05/04/98	1704.4	26722067.7870	828296.3390	1704.43	4/25/2006	15.15	1689.28
						7/26/2006	15.21	1689.22
						10/17/2006	15.25	1689.18

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Well Identification	Well Installation Date	Surface Elevation (ft msl)	Northing	Easting	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)
PC-54 (cont.)	05/04/98	1704.4	26722067.7870	828296.3390	1704.43	1/22/2007	15.41	1689.02
						6/6/2008	18.04	1686.39
						8/3/2009	19.55	1684.88
PC-56	05/21/98	1568.99	26732289.5870	830645.2380	1568.25	4/25/2006	10.77	1557.48
						7/26/2006	12.69	1555.56
						10/16/2006	8.42	1559.83
						1/22/2007	9.03	1559.22
						6/4/2008	11.48	1556.77
						8/4/2009	24.65	1543.60
PC-58	05/21/98	1568.236	26732118.1830	831123.8330	1568.014	4/25/2006	9.86	1558.15
						7/26/2006	11.88	1556.13
						10/16/2006	6.60	1561.41
						1/22/2007	8.38	1559.63
						6/4/2008	12.16	1555.85
						8/4/2009	14.87	1553.14
PC-62	05/27/98	1568.45	26732733.6080	829764.3970	1567.83	4/25/2006	NM	NM
						7/26/2006	13.01	1554.82
						10/16/2006	11.00	1556.83
						1/22/2007	10.03	1557.80
						6/4/2008	12.30	1555.53
						8/4/2009	13.66	1554.17
PC-64	05/28/98	1675.51	26723702.5770	827916.1230	1675.29	4/25/2006	6.81	1668.48
						7/26/2006	7.00	1668.29
						10/16/2006	6.60	1668.69
						1/22/2007	6.97	1668.32
						6/6/2008	7.74	1667.55
						8/3/2009	10.25	1665.04
PC-67	05/28/98	1674.38	26723846.8840	829207.5800	1673.82	4/25/2006	10.61	1663.21
						7/26/2006	11.91	1661.91
						10/16/2006	11.30	1662.52
						1/22/2007	11.05	1662.77
						6/6/2008	12.02	1661.80
						8/3/2009	13.10	1660.72
PC-76	04/28/00	1564.51	26734006.7400	829183.7900	1565.10	4/25/2006	13.67	1551.43
						7/26/2006	14.31	1550.79
						10/16/2006	12.24	1552.86
						1/22/2007	13.17	1551.93
						6/6/2008	14.36	1550.74
						8/4/2009	14.85	1550.25
PC-79	05/03/00	1564.526	26733246.6900	829815.2800	1564.06	4/25/2006	8.91	1555.15
						7/26/2006	11.38	1552.68
						10/16/2006	8.32	1555.74

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Well Identification	Well Installation Date	Surface Elevation (ft msl)	Northing	Easting	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)
PC-79 (cont.)	05/03/00	1564.526	26733246.6900	829815.2800	1564.06	1/22/2007	7.67	1556.39
						6/4/2008	9.70	1554.36
						8/4/2009	10.86	1553.20
PC-80	05/03/00	1564.489	26733250.4600	829823.7500	1564.07	4/25/2006	9.07	1555.00
						7/26/2006	11.55	1552.52
						10/16/2006	8.46	1555.61
						1/22/2007	7.80	1556.27
						6/4/2008	9.79	1554.28
						8/4/2009	10.95	1553.12
PC-81	05/03/00	1564.271	26733254.7100	829833.3700	1563.96	4/25/2006	8.88	1555.08
						7/26/2006	11.43	1552.53
						10/16/2006	8.31	1555.65
						1/22/2007	7.62	1556.34
						6/4/2008	9.87	1554.09
						8/4/2009	10.88	1553.08
PC-82	05/04/00	1559.395	26733194.8500	830317.0500	1559.15	4/25/2006	7.14	1552.01
						7/26/2006	9.46	1549.69
						10/16/2006	6.45	1552.70
						1/22/2007	5.59	1553.56
						6/4/2008	7.89	1551.26
						8/4/2009	9.18	1549.97
PC-83	05/05/00	1559.578	26733201.2900	830325.6500	1559.22	4/25/2006	6.45	1552.77
						7/26/2006	8.07	1551.15
						10/16/2006	5.92	1553.30
						1/22/2007	5.13	1554.09
						6/4/2008	7.21	1552.01
						8/4/2009	8.42	1550.80
PC-84	05/05/00	1559.14	26733208.5300	830332.5800	1559.20	4/25/2006	NA	NA
						7/26/2006	NA	NA
						10/16/2006	NA	NA
						1/22/2007	NA	NA
						6/4/2008	NA	NA
						8/4/2009	NA	NA
PC-86	05/11/00	1554.08	26733185.7600	830826.9900	1553.85	4/25/2006	4.73	1549.12
						7/26/2006	6.5	1547.35
						10/16/2006	3.75	1550.10
						1/22/2007	3.19	1550.66
						6/4/2008	5.58	1548.27
						8/4/2009	6.66	1547.19
PC-88	05/11/00	1550.91	26733178.4200	831259.4100	1551.01	4/25/2006	NA	NA
						7/26/2006	7.83	1543.18
						10/16/2006	5.09	1545.92

**Table 8. Groundwater Elevation Data through August 2009
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Well Identification	Well Installation Date	Surface Elevation (ft msl)	Northing	Easting	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)
PC-88 (cont.)	05/11/00	1550.91	26733178.4200	831259.4100	1551.01	1/22/2007	4.74	1546.27
						6/4/2008	7.03	1543.98
						8/4/2009	8.15	1542.86
PC-89	05/12/00	1550.9	26733192.6300	831271.9200	1551.10	4/25/2006	Dry	Dry
						10/16/2006	Dry	Dry
						1/22/2007	Dry	Dry
						6/4/2008	Dry	Dry
						8/4/2009	Dry	Dry
PC-90	05/12/00	1550.53	26733184.3300	831264.7000	1550.46	4/25/2006	6.23	1544.23
						7/26/2006	7.66	1542.80
						10/16/2006	5.32	1545.14
						1/22/2007	4.70	1545.76
						6/4/2008	7.00	1543.46
						8/4/2009	7.72	1542.74
PC-92	05/12/00	1552.12	26733109.8500	831749.3000	1552.05	5/31/2006	9.57	1542.48
						7/26/2006	10.60	1541.45
						10/16/2006	8.12	1543.93
						1/22/2007	7.53	1544.52
						6/6/2008	9.60	1542.45
						8/4/2009	12.33	1539.72
PC-94	05/14/00	1548.84	26733122.4800	832189.0500	1548.95	4/25/2006	8.49	1540.46
						7/26/2006	10.08	1538.87
						10/16/2006	7.60	1541.35
						1/22/2007	7.36	1541.59
						6/4/2008	9.75	1539.20
						8/4/2009	13.00	1535.95
PC-95	05/15/00	1550.61	26733449.9100	831227.2100	1550.62	4/25/2006	5.57	1545.05
						7/26/2006	7	1543.62
						10/16/2006	4.85	1545.77
						1/22/2007	4.33	1546.29
						6/6/2008	5.45	1545.17
						8/4/2009	NA	NA
PC-103	02/03/01	1597.02	26730205.7350	829110.8690	1599.49	4/25/2006	23.75	1575.74
						7/26/2006	23.05	1576.44
						10/17/2006	22.39	1577.10
						1/23/2007	22.41	1577.08
						6/4/2008	23.50	1575.99
						8/4/2009	24.06	1575.43
PC-104	02/03/01	1596.68	26731049.7050	829277.0840	1596.68	4/25/2006	28.96	1567.72
						7/26/2006	28.40	1568.28
						10/17/2006	27.78	1568.90
						1/23/2007	27.02	1569.66

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PC-104 (cont.)	02/03/01	1596.68	26731049.7050	829277.0840	1596.68	6/4/2008	29.61	1567.07
						8/4/2009	31.08	1565.60
PC-105	02/04/01	1591.27	26731425.8520	828827.4910	1593.68	NA	NA	NA
	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	NA	NA	NA
PC-106	02/04/01	1602.1	26730247.5060	827110.0560	1601.85	5/31/2006	4.81	1597.04
						7/26/2006	3.24	1598.61
						10/17/2006	NA	NA
						1/23/2007	NA	NA
						6/4/2008	NA	NA
						8/4/2009	NA	NA
PC-107	02/05/01	1617.19	26729287.5790	827136.5000	1616.94	4/25/2006	NA	NA
	Destroyed/Abd.	Destroyed/Abd.	Destroyed/Abd.	Destroyed/Abd.	Destroyed/Abd.	8/4/2009	NA	NA
PC-108	02/05/01	1584.96	26731913.0470	828526.9590	1584.81	4/25/2006	12.68	1572.13
						7/26/2006	12.14	1572.67
						10/16/2006	11.41	1573.40
						1/22/2007	10.89	1573.92
						6/4/2008	12.61	1572.20
						8/4/2009	13.75	1571.06
POD2	04/27/82	1673.80	26724896.9000	831847.4000	1673.94	8/3/2009	49.41	1624.53
POD2-R	06/21/05	1673.40	26724825.4000	831955.5000	1675.80	4/24/2006	54.05	1621.75
						7/27/2006	56.21	1619.59
						10/16/2006	56.95	1618.85
						1/22/2007	57.57	1618.23
						6/5/2008	57.20	1618.60
						8/5/2009	62.31	1613.49
POD-4	04/01/82	1692.39	26724840.0000	833983.5000	1690.01	4/24/2006	56.15	1633.86
						7/27/2006	57.81	1632.20
						10/16/2006	58.60	1631.41
						1/22/2007	57.66	1632.35
						6/6/2008	56.30	1633.71
						8/5/2009	56.32	1633.69
POD7	04/23/82	1692.78	26724144.3870	832876.7200	1690.92	4/24/2006	52	1638.92
						7/27/2006	52.00	1638.92
						10/16/2006	51.80	1639.12
						1/22/2007	51.86	1639.06
						6/5/2008	Dry	Dry
						8/4/2009	51.90	1639.02
POD8	08/20/97	1691.16	26724135.0000	833836.1000	1691.33	4/24/2006	65.56	1625.77
						7/27/2006	66.54	1624.79
						10/16/2006	68.25	1623.08
						1/22/2007	68.21	1623.12
						6/5/2008	68.55	1622.78

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POD8 (cont.)	08/20/97	1691.16	26724135.0000	833836.1000	1691.33	8/3/2009	70.34	1620.99
POU3	04/20/99	1728.00	26721010.0000	831580.0000	1728.51	4/24/2006	35.15	1693.36
						7/27/2006	35.88	1692.63
						10/16/2006	36.36	1692.15
						1/22/2007	36.66	1691.85
						6/4/2008	37.57	1690.94
						8/5/2009	40.87	1687.64
PZ-13	03/10/05	1639.20	26727954.0000	825169.9000	1639.20	4/28/2006	Dry	Dry
						7/26/2006	Dry	Dry
						10/16/2006	16.51	1622.69
						1/23/2007	16.58	1622.62
						6/6/2008	NA	NA
						8/3/2009	NA	NA
TMPZ-111	12/09/05	NA	26719015.1730	831186.7340	1783.9	8/6/2009	45.80	1738.13
TWC-126	06/25/05	1650.60	26726686.9000	825285.6000	1650.60	4/28/2006	13.64	1636.96
						7/26/2006	13.84	1636.76
						10/16/2006	13.58	1637.02
						1/23/2007	13.04	1637.56
						6/6/2008	13.17	1637.43
						8/4/2009	13.30	1637.30
TWE-107	06/26/05	1634.00	26727636.6000	826427.8000	1634.00	4/28/2006	9.71	1624.29
						7/26/2006	9.98	1624.02
						10/16/2006	9.68	1624.32
						1/23/2007	9.50	1624.50
						6/6/2008	9.49	1624.51
						8/4/2009	10.62	1623.38
TWI	05/02/05	1653.30	2672690.6000	825501.2000	1653.30	4/28/2006	NA	NA
						7/27/2006	13.25	1640.05
						10/16/2006	12.83	1640.47
						1/23/2007	12.70	1640.60
						6/6/2008	12.18	1641.12
						8/3/2009	12.00	1641.30
W02	NA	NA	26734843.6790	837329.0450	1438.36	4/24/2006	NA	NA
						6/4/2008	32.75	1405.61
						8/6/2009	32.83	1405.53
WMW5.58SD	5/14/2002	1433.76	26734645.8030	835091.4950	NA	4/28/2006	8.51	INA
						7/31/2006	8.44	INA
						10/19/2006	7.76	INA
						1/23/2007	9.26	INA
						6/4/2008	8.86	INA
						8/7/2009	9.64	INA

**Table 8. Groundwater Elevation Data through August 2009
BMI Common Areas (Eastside),
Clark County, Nevada**

Well Identification	Well Installation Date	Surface Elevation (ft msl)	Northing	Easting	Top of Casing Elevation ^a (ft msl)	Date Measured	Depth to Water (ft btoc)	Groundwater Elevation (ft msl)
WMW5.58SI	5/13/2003	1433.76	26734651.3990	835065.4270	NA	4/28/2006	7.33	INA
						7/31/2006	7.31	INA
						10/19/2006	6.23	INA
						1/23/2007	8.59	INA
						6/4/2008	7.95	INA
						8/7/2009	8.76	INA
WMW5.58SS	5/13/2002	1433.76	26734651.3990	835065.4270	NA	4/28/2006	8.69	INA
						7/31/2006	8.72	INA
						10/19/2006	7.59	INA
						1/23/2007	10.40	INA
						6/4/2008	9.35	INA
						8/7/2009	10.11	INA

^a The reference point elevations on Table 4-4 were assumed to be the same as these top of casing elevations.

ft msl = feet above mean sea level
ft btoc = Feet below top of casing
ft bgs = Feet below ground surface
ft bgs = Feet below ground surface
NA = Not available
Abd = Appears abandoned at surface (NAC 534, unknown)

**Table 9. Summary of Groundwater Sample Results: All Data
2009 Groundwater Monitoring Event (August-October 2009)
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Filtered?	Compound List	Units	Total Count	Detection Frequency	Censored (Non-Detect) Data						Detected Data ^a						MCL	Number of Detections > MCL	Water BCL ^b	Number of Detections > BCL			
						Count	Min	Q1 ^b	Median ^b	Mean ^b	Q3 ^b	Max	Count	Min	Q1 ^b	Median ^b	Mean ^b					Q3 ^b	Max	
General chemistry	No	Ammonia	µg/L	127	54%	58	8.1	8.1	8.1	8.1	8.1	8.1	69	8.2	25	500	5300	12000	25900	—	—	200	39	
		Bromide	mg/L	127	81%	24	0.026	2.6	2.6	2.5	2.6	2.6	103	0.046	0.29	0.48	0.68	0.71	6.1	—	—	—	—	
		Bromine	mg/L	127	83%	22	50	50	50	50	50	50	105	0.093	0.59	0.97	1.4	1.5	12.2	—	—	—	—	
		Chlorate	mg/L	127	51%	62	0.047	0.047	0.26	2	4.7	4.7	65	0.063	1.1	7	47	30	1040	—	—	—	—	
		Chloride	mg/L	127	100%	0	0	—	—	—	—	—	127	43.6	370	1100	10000	3600	114000	—	—	—	—	
		Chlorine	mg/L	127	100%	0	—	—	—	—	—	—	127	87.2	740	2100	21000	7300	228000	4	127	4	127	
		Chlorite	µg/L	126	9%	115	8	40	40	300	200	2000	11	14	120	210	560	920	1900	1000	2	—	—	—
		Cyanide, total	µg/L	120	3%	117	3.5	3.5	3.5	3.5	3.5	3.5	3	3.5	3.5	4	3.9	4.1	4.1	200	0	200	0	0
		Fluoride	mg/L	127	71%	37	0.01	0.15	1	0.7	1	1	90	0.01	0.41	0.67	0.74	0.92	3.7	4	0	4	4	0
		Iodide	mg/L	127	2%	125	0.3	0.3	0.3	2.8	2.3	30	2	0.81	—	0.9	0.9	—	0.99	—	—	—	—	—
		Ion balance difference	Pct	127	— ^c	—	—	—	—	—	—	—	127	0.06	1.3	2.7	3.5	4.7	17.2	—	—	—	—	—
		Nitrate	mg/L	127	71%	37	0.005	0.005	0.5	0.33	0.5	0.5	90	0.0092	2.6	12	14	19	49.6	10	52	10	52	
		Nitrite	mg/L	127	1%	126	0.003	0.06	0.06	1.1	0.3	6	1	0.44	—	0.44	0.44	—	0.44	1	0	1	0	
		Orthophosphate	mg/L	127	3%	123	0.05	0.05	0.05	1.3	1	5	4	0.22	0.23	0.78	1800	5300	7090	—	—	—	—	
		Perchlorate	µg/L	127	77%	29	0.02	0.2	0.4	0.81	2	2	98	0.031	51	670	8700	4900	500000	—	—	18	78	
	Sulfate	mg/L	127	100%	0	—	—	—	—	—	—	127	183	1900	2500	12000	6300	80900	—	—	—	—		
	Sulfide	mg/L	127	15%	108	0.083	0.083	0.083	0.083	0.083	0.083	19	0.2	0.4	0.7	4.5	5.2	23.8	—	—	—	—		
	Total Kjeldahl nitrogen	mg/L	117	45%	64	0.12	0.25	0.25	0.22	0.25	0.25	53	0.12	0.47	3.1	5.3	9.6	19.3	—	—	—	—		
	Yes	Bromide	mg/L	127	81%	24	0.026	2.6	2.6	2.5	2.6	103	0.042	0.28	0.46	0.68	0.71	6.9	—	—	—	—		
		Bromine	mg/L	127	83%	21	50	50	50	50	50	106	0.084	0.59	0.96	1.5	1.5	13.8	—	—	—	—		
		Chlorate	mg/L	127	52%	61	0.047	0.047	0.47	2.1	4.7	4.7	66	0.051	0.96	6.9	47	29	1070	—	—	—	—	
		Chloride	mg/L	127	100%	0	—	—	—	—	—	—	127	43.1	380	1100	10000	3600	106000	—	—	—	—	
		Chlorine	mg/L	127	100%	0	—	—	—	—	—	—	127	86.1	760	2100	20000	7200	212000	4	127	4	127	
		Chlorite	µg/L	127	8%	117	8	40	80	300	400	2000	10	14	42	190	460	660	2000	1000	2	—	—	—
		Fluoride	mg/L	127	69%	39	0.01	0.2	1	0.72	1	1	88	0.05	0.39	0.66	0.74	0.93	3.7	4	0	4	4	0
Iodide		mg/L	127	2%	124	0.3	0.3	0.3	2.9	2.6	30	3	0.35	0.35	0.84	0.72	0.98	0.98	—	—	—	—		
Nitrate		mg/L	127	66%	43	0.005	0.005	0.5	0.31	0.5	0.5	84	0.018	6.3	12	15	20	48.8	10	51	10	51		
Nitrite		mg/L	127	1%	126	0.003	0.06	0.06	1.1	0.3	6	1	0.4	—	0.4	0.4	—	0.4	1	0	1	0		
Metals	No	Aluminum	µg/L	127	48%	66	3.6	18	36	58	36	362	61	31.4	160	370	1200	1000	23400	—	—	36500	0	
		Antimony	µg/L	127	1%	126	0.07	0.35	0.7	0.87	0.7	7	1	0.4	—	0.4	0.4	—	0.4	6	0	6	0	
		Arsenic	µg/L	127	98%	2	21	—	21	21	—	21	125	1.3	20	44	53	81	235	10	116	10	116	
		Barium	µg/L	127	100%	0	—	—	—	—	—	—	127	7.8	17	23	36	37	505	2000	0	2000	0	
Beryllium		µg/L	127	1%	126	0.08	0.4	0.8	1.1	0.8	8	1	1.1	—	1.1	1.1	—	1.1	4	0	4	0		
Boron		µg/L	127	100%	0	—	—	—	—	—	—	127	387	1600	2700	4500	6000	18500	—	—	7300	28		
Cadmium		µg/L	127	42%	74	0.04	0.2	0.4	0.65	0.4	4	53	0.042	0.23	0.54	1.1	1.4	4.9	5	0	5	0		
Calcium		µg/L	127	100%	0	—	—	—	—	—	—	127	21200	370000	510000	500000	590000	2670000	—	—	—	—		
Chromium (total)		µg/L	127	76%	31	0.5	2.5	5	12	20	50	96	2.9	7.9	17	62	61	1420	100	8	100	8		
Chromium (VI)		µg/L	124	52%	60	0.03	1.5	3	4.3	3	30	64	1.7	10	38	77	59	1400	100	6	100	6		
Cobalt		µg/L	127	32%	86	0.01	0.05	0.1	0.13	0.1	1	41	0.089	0.41	1.1	2.1	1.4	22.8	—	—	11	3		
Copper		µg/L	127	17%	105	0.56	2.8	5.6	7.7	5.6	56	22	0.76	2.4	4.4	5.6	6.8	30.2	1300	0	1360	0		
Iron		µg/L	127	98%	3	47.7	48	480	330	480	477	124	88.3	1800	2800	3500	4300	30800	—	—	25600	1		
Lead		µg/L	127	8%	117	0.18	0.9	1.8	2.4	1.8	18	10	0.25	0.26	1.3	2.9	2.2	18	15	1	15	1		
Lithium		µg/L	127	85%	19	13	13	13	13	13	13	108	14.6	310	480	9700	12000	77600	—	—	73	107		

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BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Filtered?	Compound List	Units	Total Count	Detection Frequency	Censored (Non-Detect) Data						Detected Data ^a						MCL	Number of Detections > MCL	Water BCL ^b	Number of Detections > BCL			
						Count	Min	Q1 ^b	Median ^b	Mean ^b	Q3 ^b	Max	Count	Min	Q1 ^b	Median ^b	Mean ^b					Q3 ^b	Max	
Metals (cont.)	No	Magnesium	µg/L	127	100%	0	—	—	—	—	—	—	127	6490	130000	240000	2100000	1800000	1.6E+07	—	—	207000	72	
		Manganese	µg/L	127	91%	12	0.31	1.6	1.6	2.1	3.1	3.1	115	0.33	7.4	56	560	870	5720	—	—	510	36	
		Mercury	µg/L	122	16%	103	0.027	0.027	0.027	0.027	0.027	0.027	19	0.028	0.032	0.038	0.043	0.054	0.083	2	0	10.95	0	
		Molybdenum	µg/L	127	96%	5	1.4	1.4	1.4	1.4	1.4	1.4	122	0.99	32	84	340	250	3040	—	—	180	37	
		Nickel	µg/L	127	91%	11	1.5	3	12	14	30	30	116	0.73	5.6	8.9	12	15	108	—	—	730	0	
		Potassium	µg/L	127	100%	0	—	—	—	—	—	—	127	6600	28000	75000	1900000	790000	1.7E+07	—	—	—	—	
		Selenium	µg/L	127	49%	65	0.7	3.5	7	11	7	70	62	1.4	8.3	20	37	54	169	50	16	50	16	
		Silver	µg/L	127	5%	121	0.015	0.075	0.15	0.19	0.15	1.5	6	0.026	0.066	0.19	0.17	0.25	0.32	—	—	180	0	
		Sodium	µg/L	127	100%	0	—	—	—	—	—	—	127	119000	440000	710000	6000000	2900000	6E+07	—	—	—	—	
		Strontium	µg/L	127	100%	0	—	—	—	—	—	—	127	437	7100	11000	11000	13000	62200	—	—	21900	5	
		Thallium	µg/L	127	1%	126	0.02	0.1	0.2	0.25	0.2	2	1	0.4	—	0.4	0.4	—	0.4	2	0	2	0	
		Tin	µg/L	127	9%	115	0.17	0.85	1.7	2.2	1.7	17	12	0.19	0.47	1.4	1.5	2.6	3.2	—	—	21900	0	
		Titanium	µg/L	127	82%	23	0.6	3	3	3.3	3	11.9	104	1	5.5	10	27	20	379	—	—	146000	0	
		Tungsten	µg/L	127	2%	125	0.022	0.11	0.22	0.27	0.22	2.2	2	0.84	—	16	16	—	31.9	—	—	270	0	
		Uranium	µg/L	127	80%	26	0.1	0.1	0.2	0.56	0.85	2	101	0.069	5.8	16	23	31	177	30	29	30	29	
		Vanadium	µg/L	127	75%	32	0.28	1.4	1.4	3.9	6.7	14	95	0.14	12	19	23	30	87.5	—	—	180	0	
		Zinc	µg/L	127	13%	111	2	10	20	26	20	200	16	10	14	21	81	74	629	—	—	11000	0	
	Yes	Calcium	µg/L	127	100%	0	—	—	—	—	—	127	21200	370000	500000	500000	580000	2570000	—	—	—	—		
		Magnesium	µg/L	127	100%	0	—	—	—	—	—	127	6480	130000	230000	2100000	1700000	1.7E+07	—	—	207000	72		
		Potassium	µg/L	127	100%	0	—	—	—	—	—	127	6250	27000	75000	2000000	760000	1.6E+07	—	—	—	—		
		Sodium	µg/L	127	100%	0	—	—	—	—	—	127	114000	450000	700000	6200000	3000000	5.8E+07	—	—	—	—		
Organochlorine pesticides	No	2,4'-DDD	µg/L	126	0%	126	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	—		
		2,4'-DDE	µg/L	126	1%	125	0.01	0.01	0.01	0.01	0.01	0.01	1	0.084	—	0.084	0.084	—	0.084	—	—	—	—	
		4,4'-DDD	µg/L	126	0%	126	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	0.28	—	
		4,4'-DDE	µg/L	126	0%	126	0.02	0.02	0.02	0.02	0.02	0.02	0	—	—	—	—	—	—	—	—	0.2	—	
		4,4'-DDT	µg/L	126	1%	125	0.01	0.01	0.01	0.01	0.01	0.01	1	0.073	—	0.073	0.073	—	0.073	—	—	0.2	0	
		Aldrin	µg/L	126	0%	126	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	0.004	—	
		alpha-BHC	µg/L	126	19%	102	0.01	0.01	0.01	0.01	0.01	0.01	24	0.047	0.057	0.094	0.11	0.14	0.35	—	—	0.011	24	
		alpha-Chlordane	µg/L	126	0%	126	0.02	0.02	0.02	0.02	0.02	0.02	0	—	—	—	—	—	—	—	—	—	—	
		beta-BHC	µg/L	126	12%	111	0.01	0.01	0.01	0.01	0.01	0.01	15	0.048	0.06	0.19	0.33	0.63	0.88	—	—	0.037	15	
		Chlordane	µg/L	126	0%	126	0.04	0.04	0.04	0.04	0.04	0.04	0	—	—	—	—	—	—	2	—	2	—	
		delta-BHC	µg/L	126	5%	120	0.01	0.01	0.01	0.01	0.01	0.01	6	0.098	0.18	0.3	0.36	0.53	0.84	—	—	—	—	
		Dieldrin	µg/L	126	0%	126	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	0.0042	—
		Endosulfan I	µg/L	126	0%	126	0.02	0.02	0.02	0.02	0.02	0.02	0	—	—	—	—	—	—	—	—	—	—	—
		Endosulfan II	µg/L	126	0%	126	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	—	—
		Endosulfan sulfate	µg/L	126	0%	126	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	—	—
		Endrin	µg/L	126	0%	126	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	2	—	2	—
		Endrin aldehyde	µg/L	126	0%	126	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	—	—
		Endrin ketone	µg/L	126	0%	126	0.02	0.02	0.02	0.02	0.02	0.02	0	—	—	—	—	—	—	—	—	—	—	—
		gamma-BHC (Lindane)	µg/L	126	0%	126	0.003	0.003	0.003	0.003	0.003	0.003	0	—	—	—	—	—	—	—	0.2	—	0.2	—
		gamma-Chlordane	µg/L	126	0%	126	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	—	—
		Heptachlor	µg/L	126	0%	126	0.003	0.003	0.003	0.003	0.003	0.003	0	—	—	—	—	—	—	—	0.4	—	0.4	—
		Heptachlor epoxide	µg/L	126	0%	126	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	0.2	—	0.2	—
		Methoxychlor	µg/L	126	0%	126	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	40	—	40	—
Toxaphene	µg/L	126	0%	126	0.66	0.66	0.66	0.66	0.66	0.66	0	—	—	—	—	—	—	—	3	—	3	—		

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Parameter of Interest	Filtered?	Compound List	Units	Total Count	Detection Frequency	Censored (Non-Detect) Data						Detected Data ^a						MCL	Number of Detections > MCL	Water BCL ^b	Number of Detections > BCL				
						Count	Min	Q1 ^b	Median ^b	Mean ^b	Q3 ^b	Max	Count	Min	Q1 ^b	Median ^b	Mean ^b					Q3 ^b	Max		
Radionuclides ^d	No	Delta-D	Pct	7	100%	0	—	—	—	—	—	—	7	-100.6	-78	-67	-73	-65	-64.1	—	—	—	—		
		Delta-O	Pct	7	100%	0	—	—	—	—	—	—	—	7	-12.73	-6.6	-3.5	-5.4	-3.5	-3.19	—	—	—	—	
		Radium-226	pCi/L	127	83%	21	—	—	—	—	—	—	—	106	-0.0492	1	1.4	2.7	2.3	24.9	—	—	—	—	
		Radium-226/228	pCi/L	127	— ^c	—	—	—	—	—	—	—	—	127	0.196	1.9	2.9	4.8	4.5	40.4	5	25	—	—	
		Radium-228	pCi/L	127	63%	0	—	—	—	—	—	—	—	80	-0.413	0.7	1.4	2	2.3	15.5	—	—	—	—	
		Thorium-228	pCi/L	127	6%	120	—	—	—	—	—	—	—	7	-0.391	-0.08	0.027	0.07	0.12	1.6	—	—	—	—	
		Thorium-230	pCi/L	127	23%	98	—	—	—	—	—	—	—	29	-0.363	-0.042	0.16	0.29	0.42	2.39	—	—	—	—	
		Thorium-232	pCi/L	127	4%	122	—	—	—	—	—	—	—	5	-0.327	-0.079	-0.017	0.0017	0.057	1.18	—	—	—	—	
		Uranium-233/234	pCi/L	127	83%	21	—	—	—	—	—	—	—	106	-0.032	1	4	8.1	11	76.3	—	—	—	—	
		Uranium-235/236	pCi/L	127	31%	88	—	—	—	—	—	—	—	39	-0.246	0.06	0.19	0.39	0.55	2.84	—	—	—	—	
Uranium-238	pCi/L	127	80%	26	—	—	—	—	—	—	—	101	-0.0979	0.65	3	5.8	9	56.5	—	—	—	—			
Volatile organic compounds	No	1,1,1,2-Tetrachloroethane	µg/L	127	0%	127	0.16	0.16	0.16	0.16	0.16	0.16	0	—	—	—	—	—	—	—	—	—	2.3	—	
		1,1,1-Trichloroethane	µg/L	127	0%	127	0.088	0.088	0.088	0.088	0.088	0.088	0	—	—	—	—	—	—	—	200	—	200	—	
		1,1,2,2-Tetrachloroethane	µg/L	127	0%	127	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	—	—	0.3	—	
		1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	127	0%	127	0.12	0.12	0.12	0.12	0.12	0.12	0	—	—	—	—	—	—	—	—	—	876000	—	
		1,1,2-Trichloroethane	µg/L	127	1%	126	0.071	0.071	0.071	0.071	0.071	0.071	1	0.12	—	0.12	0.12	—	0.12	5	0	5	5	0	
		1,1-Dichloroethane	µg/L	127	17%	105	0.083	0.083	0.083	0.083	0.083	0.083	22	0.096	0.14	0.29	0.44	0.51	2.2	—	—	—	12	0	
		1,1-Dichloroethene	µg/L	127	6%	120	0.11	0.11	0.11	0.11	0.11	0.11	7	0.16	0.24	1.7	1.6	2.4	4.4	7	0	7	7	0	
		1,1-Dichloropropene	µg/L	127	2%	125	0.068	0.068	0.068	0.068	0.068	0.068	2	0.17	—	0.25	0.25	—	0.32	—	—	—	—	—	
		1,2,3-Trichlorobenzene	µg/L	127	2%	125	0.16	0.16	0.16	0.16	0.16	0.16	2	0.17	—	0.18	0.18	—	0.18	—	—	—	—	0.034	—
		1,2,3-Trichloropropane	µg/L	127	0%	127	0.23	0.23	0.23	0.23	0.23	0.23	0	—	—	—	—	—	—	—	—	—	—	—	
		1,2,4-Trichlorobenzene	µg/L	127	5%	121	0.16	0.16	0.16	0.16	0.16	0.16	6	0.28	0.49	0.93	0.88	1.2	1.5	70	0	70	70	0	
		1,2,4-Trimethylbenzene	µg/L	127	0%	127	0.062	0.062	0.062	0.062	0.062	0.062	0	—	—	—	—	—	—	—	—	—	51	—	
		1,2-Dibromo-3-chloropropane (DBCP)	µg/L	127	0%	127	0.2	0.2	0.2	0.2	0.2	0.2	0	—	—	—	—	—	—	0.2	—	—	0.2	—	
		1,2-Dichlorobenzene	µg/L	127	5%	121	0.11	0.11	0.11	0.11	0.11	0.11	6	0.14	0.17	0.54	1.3	2.2	5.5	600	0	600	600	0	
		1,2-Dichloroethane	µg/L	127	2%	124	0.05	0.05	0.05	0.05	0.05	0.05	3	0.075	0.075	0.19	0.15	0.19	0.19	5	0	5	5	0	
		1,2-Dichloroethene (total)	µg/L	127	1%	126	0.21	0.21	0.21	0.21	0.21	0.21	1	1	—	1	1	—	1	—	—	—	—	—	
		1,2-Dichloropropane	µg/L	127	2%	125	0.054	0.054	0.054	0.054	0.054	0.054	2	0.14	—	0.67	0.67	—	1.2	5	0	5	5	0	
		1,3,5-Trichlorobenzene	µg/L	127	3%	123	0.12	0.12	0.12	0.12	0.12	0.12	4	0.19	0.19	0.24	0.38	0.71	0.86	—	—	—	—	—	
		1,3,5-Trimethylbenzene	µg/L	127	0%	127	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	—	—	590	—	
		1,3-Dichlorobenzene	µg/L	127	6%	119	0.081	0.081	0.081	0.081	0.081	0.081	8	0.082	0.13	0.2	1.1	0.77	6.7	—	—	—	110	0	
		1,3-Dichloropropane	µg/L	127	0%	127	0.053	0.053	0.053	0.053	0.053	0.053	0	—	—	—	—	—	—	—	—	—	730	—	
		1,4-Dichlorobenzene	µg/L	127	9%	116	0.11	0.11	0.11	0.11	0.11	0.11	11	0.13	0.19	0.95	0.92	1.1	3.3	75	0	75	75	0	
		2,2,3-Trimethylbutane	µg/L	127	0%	127	0.23	0.23	0.23	0.23	0.23	0.23	0	—	—	—	—	—	—	—	—	—	—	—	
		2,2-Dichloropropane	µg/L	127	0%	127	0.1	0.1	0.1	0.1	0.1	0.1	0	—	—	—	—	—	—	—	—	—	—	—	
		2,2-Dimethylpentane	µg/L	127	0%	127	0.16	0.16	0.16	0.16	0.16	0.16	0	—	—	—	—	—	—	—	—	—	—	—	
		2,3-Dimethylpentane	µg/L	127	0%	127	0.18	0.18	0.18	0.18	0.18	0.18	0	—	—	—	—	—	—	—	—	—	—	—	
		2,4-Dimethylpentane	µg/L	127	0%	127	0.19	0.19	0.19	0.19	0.19	0.19	0	—	—	—	—	—	—	—	—	—	—	—	
		2-Chlorotoluene	µg/L	127	0%	127	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	—	—	—	730	—
		2-Hexanone	µg/L	127	1%	126	1.3	1.3	1.3	1.3	1.3	1.3	1	2.1	—	2.1	2.1	—	2.1	—	—	—	—	—	
		2-Methylhexane	µg/L	127	0%	127	0.15	0.15	0.15	0.15	0.15	0.15	0	—	—	—	—	—	—	—	—	—	—	—	
		2-Nitropropane	µg/L	127	0%	127	1.1	1.1	1.1	1.1	1.1	1.1	0	—	—	—	—	—	—	—	—	—	—	0.0063	—
		3,3-Dimethylpentane	µg/L	127	0%	127	0.2	0.2	0.2	0.2	0.2	0.2	0	—	—	—	—	—	—	—	—	—	—	—	
3-Ethylpentane	µg/L	127	0%	127	0.089	0.089	0.089	0.089	0.089	0.089	0	—	—	—	—	—	—	—	—	—	—	—			
3-Methylhexane	µg/L	127	0%	127	0.17	0.17	0.17	0.17	0.17	0.17	0	—	—	—	—	—	—	—	—	—	—	—			
4-Chlorotoluene	µg/L	127	0%	127	0.095	0.095	0.095	0.095	0.095	0.095	0	—	—	—	—	—	—	—	—	—	—	—			

**Table 9. Summary of Groundwater Sample Results: All Data
2009 Groundwater Monitoring Event (August-October 2009)
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Filtered?	Compound List	Units	Total Count	Detection Frequency	Censored (Non-Detect) Data						Detected Data ^a						MCL	Number of Detections > MCL	Water BCL ^b	Number of Detections > BCL					
						Count	Min	Q1 ^b	Median ^b	Mean ^b	Q3 ^b	Max	Count	Min	Q1 ^b	Median ^b	Mean ^b					Q3 ^b	Max			
Volatile organic compounds (cont.)	No	4-Methyl-2-pentanone	µg/L	127	6%	119	0.32	0.32	0.32	0.32	0.32	0.32	8	0.41	0.47	0.6	0.76	0.8	2	—	—	2900	0			
		Acetone	µg/L	127	17%	106	0.42	0.42	0.42	0.44	0.42	2.1	21	1.1	4	11	12	16	34	—	—	32600	0			
		Acetonitrile	µg/L	127	0%	127	4.2	4.2	4.2	4.2	4.2	4.2	0	—	—	—	—	—	—	—	—	—	440	—		
		Benzene	µg/L	127	22%	99	0.06	0.06	0.06	0.06	0.06	0.06	28	0.067	0.17	0.64	0.63	0.97	1.6	5	0	5	5	0		
		Bromobenzene	µg/L	127	0%	127	0.084	0.084	0.084	0.084	0.084	0.084	0	—	—	—	—	—	—	—	—	—	—	490	—	
		Bromodichloromethane	µg/L	127	13%	111	0.098	0.098	0.098	0.098	0.098	0.098	16	0.1	0.11	0.14	1.8	0.18	26	—	—	—	—	1.1	1	
		Bromoform	µg/L	127	1%	126	0.15	0.15	0.15	0.15	0.15	0.15	1	12	—	12	12	—	12	—	—	—	—	8.5	1	
		Bromomethane	µg/L	127	6%	120	0.096	0.096	0.096	0.096	0.096	0.096	7	0.16	0.16	0.2	0.24	0.37	0.39	—	—	—	—	48	0	
		Carbon disulfide	µg/L	127	3%	123	0.52	0.52	0.52	0.52	0.52	0.52	4	0.58	0.6	0.65	0.65	0.69	0.7	—	—	—	—	3520	0	
		Carbon tetrachloride	µg/L	127	29%	90	0.073	0.073	0.073	0.073	0.073	0.073	37	0.13	0.32	1.2	3.1	4.4	25	5	6	5	5	6	6	
		Chlorobenzene	µg/L	127	4%	122	0.06	0.06	0.06	0.06	0.06	0.06	5	0.26	0.43	0.7	3.3	7.4	8.2	100	0	100	100	0	0	
		Chlorobromomethane	µg/L	127	0%	127	0.12	0.12	0.12	0.12	0.12	0.12	0	—	—	—	—	—	—	—	—	—	—	—	—	—
		Chlorodibromomethane	µg/L	127	0%	127	0.21	0.21	0.21	0.21	0.21	0.21	0	—	—	—	—	—	—	—	—	—	—	0.7	—	
		Chloroethane	µg/L	127	4%	122	0.085	0.085	0.085	0.085	0.085	0.085	5	0.14	0.17	0.21	0.24	0.34	0.42	—	—	—	—	23	0	
		Chloroform	µg/L	127	64%	46	0.067	0.067	0.067	0.067	0.067	0.067	81	0.069	0.92	7.2	94	85	900	—	—	—	—	1.6	56	
		Chloromethane	µg/L	127	20%	102	0.086	0.086	0.086	0.086	0.086	0.086	25	0.12	0.19	0.25	0.27	0.33	0.49	—	—	—	—	81	0	
		cis-1,2-Dichloroethene	µg/L	127	2%	125	0.14	0.14	0.14	0.14	0.14	0.14	2	0.14	—	0.51	0.51	—	0.88	70	0	70	70	0	0	
		cis-1,3-Dichloropropene	µg/L	127	0%	127	0.099	0.099	0.099	0.099	0.099	0.099	0	—	—	—	—	—	—	—	—	—	—	—	—	—
		Cymene (Isopropyltoluene)	µg/L	127	0%	127	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	—	—	—	—	—	—
		Dibromomethane	µg/L	127	1%	126	0.095	0.095	0.095	0.095	0.095	0.095	1	0.11	—	0.11	0.11	—	0.11	—	—	—	—	370	0	
		Dichlorodifluoromethane (Freon-12)	µg/L	127	1%	126	0.058	0.058	0.058	0.058	0.058	0.058	1	0.072	—	0.072	0.072	—	0.072	—	—	—	—	5840	0	
		Dichloromethane	µg/L	127	3%	123	0.1	0.1	0.1	0.1	0.1	0.1	4	0.12	0.15	0.44	1.6	4.2	5.4	5	1	5	5	1	1	
		Dimethyl disulfide	µg/L	127	1%	126	0.27	0.27	0.27	0.27	0.27	0.27	1	1.8	—	1.8	1.8	—	1.8	—	—	—	—	—	—	—
		Ethanol	µg/L	127	0%	127	85	85	85	85	85	85	0	—	—	—	—	—	—	—	—	—	—	—	—	—
		Ethylbenzene	µg/L	127	2%	124	0.11	0.11	0.11	0.11	0.11	0.11	3	0.14	0.14	0.26	0.36	0.69	0.69	700	0	700	700	0	0	
		Isopropylbenzene	µg/L	127	0%	127	0.096	0.096	0.096	0.096	0.096	0.096	0	—	—	—	—	—	—	—	—	—	—	3440	—	
		m,p-Xylene	µg/L	127	0%	127	0.19	0.19	0.19	0.19	0.19	0.19	0	—	—	—	—	—	—	—	—	—	—	42600	—	
		Methyl ethyl ketone	µg/L	127	1%	126	0.83	0.83	0.83	0.83	0.83	0.83	1	32	—	32	32	—	32	—	—	—	—	21300	0	
		Methyl iodide	µg/L	127	10%	114	0.091	0.091	0.091	0.091	0.091	0.091	13	0.16	0.34	0.37	0.44	0.46	0.96	—	—	—	—	—	—	—
		MTBE (Methyl tert-butyl ether)	µg/L	127	9%	116	0.098	0.098	0.098	0.098	0.098	0.098	11	0.16	0.28	0.33	0.32	0.37	0.45	—	—	—	—	35	0	
		n-Butylbenzene	µg/L	127	0%	127	0.12	0.12	0.12	0.12	0.12	0.12	0	—	—	—	—	—	—	—	—	—	—	370	—	
		n-Heptane	µg/L	127	0%	127	0.12	0.12	0.12	0.12	0.12	0.12	0	—	—	—	—	—	—	—	—	—	—	—	—	—
		Nonanal	µg/L	127	1%	126	1.2	1.2	1.2	1.2	1.2	1.2	1	1.3	—	1.3	1.3	—	1.3	—	—	—	—	—	—	—
		n-Propylbenzene	µg/L	127	0%	127	0.093	0.093	0.093	0.093	0.093	0.093	0	—	—	—	—	—	—	—	—	—	—	370	—	
		o-Xylene	µg/L	127	2%	125	0.055	0.055	0.055	0.055	0.055	0.055	2	0.15	—	0.17	0.17	—	0.18	—	—	—	—	42600	0	
		sec-Butylbenzene	µg/L	127	0%	127	0.085	0.085	0.085	0.085	0.085	0.085	0	—	—	—	—	—	—	—	—	—	—	370	—	
		Styrene	µg/L	127	5%	121	0.042	0.042	0.042	0.042	0.042	0.042	6	0.044	0.054	0.077	0.072	0.085	0.092	100	0	100	100	0	0	
		tert-Butylbenzene	µg/L	127	0%	127	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	—	—	—	370	—	
		Tetrachloroethene	µg/L	127	40%	76	0.065	0.065	0.065	0.065	0.065	0.065	51	0.066	0.24	0.67	4.4	1.8	73	5	6	5	5	6	6	
		Toluene	µg/L	127	14%	109	0.07	0.07	0.07	0.07	0.07	0.07	18	0.07	0.086	0.13	0.15	0.16	0.51	1000	0	1000	1000	0	0	
Total trihalomethanes	µg/L	127	— ^c	—	—	—	—	—	—	—	127	0.26	0.26	0.87	61	50	900.3	80	21	—	—	—	—			
trans-1,2-Dichloroethene	µg/L	127	1%	126	0.081	0.081	0.081	0.081	0.081	0.081	1	0.13	—	0.13	0.13	—	0.13	100	0	100	100	0	0			
trans-1,3-Dichloropropene	µg/L	127	0%	127	0.23	0.23	0.23	0.23	0.23	0.23	0	—	—	—	—	—	—	—	—	—	—	—	—	—		
Trichloroethene	µg/L	127	24%	97	0.091	0.091	0.091	0.091	0.091	0.091	30	0.11	0.17	0.27	0.52	0.39	3.8	5	0	5	5	0	0			
Trichlorofluoromethane (Freon-11)	µg/L	127	0%	127	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	—	—	—	9890	—			

**Table 9. Summary of Groundwater Sample Results: All Data
2009 Groundwater Monitoring Event (August-October 2009)
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Filtered?	Compound List	Units	Total Count	Detection Frequency	Censored (Non-Detect) Data						Detected Data ^a						MCL	Number of Detections > MCL	Water BCL ^b	Number of Detections > BCL			
						Count	Min	Q1 ^b	Median ^b	Mean ^b	Q3 ^b	Max	Count	Min	Q1 ^b	Median ^b	Mean ^b					Q3 ^b	Max	
Volatile organic compounds (cont.)	No	Vinyl acetate	µg/L	127	0%	127	0.23	0.23	0.23	0.23	0.23	0.23	0	—	—	—	—	—	—	—	—	—	16200	—
		Vinyl chloride	µg/L	127	6%	119	0.091	0.091	0.091	0.091	0.091	0.091	8	0.091	0.11	0.16	0.16	0.21	0.22	2	0	2	0	
		Xylenes (total)	µg/L	127	0%	127	0.22	0.22	0.22	0.22	0.22	0.22	0	—	—	—	—	—	—	—	10000	—	10000	—
Water Quality Parameters	No	Bicarbonate alkalinity	mg/L	127	100%	0	—	—	—	—	—	—	127	27.6	69	90	120	130	496	—	—	—	—	
		Carbonate alkalinity	mg/L	127	2%	124	0.31	0.31	0.31	0.31	0.31	0.61	3	32.8	33	100	85	120	120	—	—	—	—	
		Conductivity	µmhos/cm	126	100%	0	—	—	—	—	—	—	—	126	974	4300	6800	30000	26000	196000	—	—	—	—
		Hardness	mg/L	127	100%	0	—	—	—	—	—	—	—	127	79.7	1300	2200	8900	3500	66500	—	—	—	—
		Hydroxide alkalinity	mg/L	127	0%	127	0.31	0.31	0.31	0.31	0.31	0.61	0	—	—	—	—	—	—	—	—	—	—	—
		pH	none	126	100%	0	—	—	—	—	—	—	—	126	5.3	6.9	7.3	7.1	7.5	8.8	—	—	—	—
		Total alkalinity	mg/L	127	100%	0	—	—	—	—	—	—	—	127	27.6	69	90	120	130	496	—	—	—	—
		Total dissolved solids	mg/L	127	98%	2	350	—	350	350	—	350	125	600	3100	5400	32000	23000	188000	500	125	—	—	—
		Total inorganic carbon	mg/L	127	100%	0	—	—	—	—	—	—	—	127	4.5	15	22	33	33	175	—	—	—	—
		Total organic carbon	mg/L	127	96%	5	0.22	0.22	0.22	0.22	0.22	0.22	122	0.24	0.95	1.5	2.6	3.2	15.7	—	—	—	—	—
	Total suspended solids	mg/L	127	99%	1	4	—	4	4	—	4	126	1	8	21	80	79	813	—	—	—	—	—	
	Yes	Bicarbonate alkalinity	mg/L	127	100%	0	—	—	—	—	—	—	127	28	69	90	120	130	496	—	—	—	—	
		Carbonate alkalinity	mg/L	127	2%	124	0.31	0.31	0.31	0.31	0.31	0.61	3	36	36	85	80	120	119	—	—	—	—	
		Conductivity	µmhos/cm	42	100%	0	—	—	—	—	—	—	—	42	1020	5100	7500	41000	71000	192000	—	—	—	—
Total alkalinity		mg/L	127	100%	0	—	—	—	—	—	—	—	127	28	69	90	120	130	496	—	—	—	—	

BCL = Basic Comparison Levels (BCLs) from NDEP, 2009b.

Max = Maximum

Min = Minimum

Q1 = 1st quartile (25th percentile)

Q3 = 3rd quartile (75th percentile)

— = Not applicable or no value has been established.

^a Range of detections include estimated values of detect results between the detection limit and reporting limit. As such, some minimum detected concentrations may be below the minimum reporting limit. In these cases the respective sample results are flagged in the dataset.

^b Values are rounded to 2 significant figures.

^c Total trihalomethanes are calculated from the sum of bromodichloromethane, bromoform, chloroform, and dibromochloromethane. Radium-226/228 are calculated from the sum of radium-226 and radium-228. Therefore, the number of detections and non-detections, and a frequency

^d Because both non-detected and detected radionuclides have reported activity levels, calculated summary statistics (and exceedances of comparison levels) are presented as detected regardless of the laboratory detection flag. Laboratory detection flags are represented by the censored (non-detect) and detect count fields in the table.

**Table 10. Summary of Groundwater Sample Results: Shallow Zone
2009 Groundwater Monitoring Event
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Filtered?	Compound List	Units	Total Count	Detection Frequency	Censored (Non-Detect) Data						Detected Data ^a						MCL	Number of Detections > MCL	Water BCL ^b	Number of Detections > BCL			
						Count	Min	Q1 ^b	Median ^b	Mean ^b	Q3 ^b	Max	Count	Min	Q1 ^b	Median ^b	Mean ^b					Q3 ^b	Max	
General chemistry	No	Ammonia	µg/L	82	37%	52	8.1	8.1	8.1	8.1	8.1	8.1	30	8.2	15	23	1100	100	14200	—	—	200	5	
		Bromide	mg/L	82	95%	4	0.026	0.67	2.6	2	2.6	2.6	78	0.046	0.34	0.52	0.55	0.7	1.6	—	—	—	—	
		Bromine	mg/L	82	98%	2	50	—	50	50	—	50	80	0.093	0.67	1.1	1.2	1.5	4.6	—	—	—	—	
		Chlorate	mg/L	82	77%	19	0.047	0.047	0.047	0.54	0.047	4.7	63	0.063	1.2	9.1	49	30	1040	—	—	—	—	
		Chloride	mg/L	82	100%	0	—	—	—	—	—	—	82	43.6	370	940	1700	1300	28400	—	—	—	—	
		Chlorine	mg/L	82	100%	0	—	—	—	—	—	—	82	87.2	750	1900	3500	2600	56800	4	82	4	82	
		Chlorite	µg/L	81	7%	75	8	20	40	120	80	2000	6	14	15	140	120	210	210	1000	0	—	—	—
		Cyanide, total	µg/L	76	4%	73	3.5	3.5	3.5	3.5	3.5	3.5	3	3.5	3.5	4	3.9	4.1	4.1	200	0	200	0	0
		Fluoride	mg/L	82	88%	10	0.01	0.01	0.11	0.35	1	1	72	0.01	0.43	0.66	0.77	0.93	3.7	4	4	0	4	0
		Iodide	mg/L	82	2%	80	0.3	0.3	0.3	0.57	0.3	6	2	0.81	—	0.9	0.9	—	0.99	—	—	—	—	—
		Ion balance difference	Pct	82	— ^c	—	—	—	—	—	—	—	82	0.06	1.2	2.4	3.2	3.9	17.2	—	—	—	—	—
		Nitrate	mg/L	82	95%	4	0.005	0.005	0.25	0.25	0.5	0.5	78	0.012	7.6	13	16	20	49.6	10	52	10	52	52
		Nitrite	mg/L	82	1%	81	0.003	0.06	0.06	0.24	0.06	6	1	0.44	—	0.44	0.44	—	0.44	1	0	1	1	0
		Orthophosphate	mg/L	82	5%	78	0.05	0.05	0.05	0.42	0.16	5	4	0.22	0.23	0.78	1800	5300	7090	—	—	—	—	—
		Perchlorate	µg/L	82	99%	1	0.02	—	0.02	0.02	—	0.02	81	0.084	100	2200	10000	5900	500000	—	—	18	76	76
	Sulfate	mg/L	82	100%	0	—	—	—	—	—	—	82	222	1600	2300	4000	2700	67700	—	—	—	—	—	
	Sulfide	mg/L	82	17%	68	0.083	0.083	0.083	0.083	0.083	0.083	14	0.2	0.38	0.6	4.8	4.4	23.8	—	—	—	—	—	
	Total Kjeldahl nitrogen	mg/L	73	25%	55	0.12	0.12	0.25	0.21	0.25	0.25	18	0.12	0.14	0.35	1.9	1.5	11.1	—	—	—	—	—	
	Yes	Bromide	mg/L	82	95%	4	0.026	0.67	2.6	2	2.6	78	0.042	0.32	0.54	0.54	0.7	1.6	—	—	—	—	—	
		Bromine	mg/L	82	98%	2	50	—	50	50	—	50	80	0.084	0.64	1.1	1.2	1.4	4.9	—	—	—	—	
		Chlorate	mg/L	82	79%	17	0.047	0.047	0.047	0.59	0.047	4.7	65	0.051	1.1	6.9	48	29	1070	—	—	—	—	
		Chloride	mg/L	82	100%	0	—	—	—	—	—	—	82	43.1	380	920	1700	1300	28100	—	—	—	—	
		Chlorine	mg/L	82	100%	0	—	—	—	—	—	—	82	86.1	760	1900	3400	2600	56300	4	82	4	82	
		Chlorite	µg/L	82	9%	75	8	20	40	120	80	2000	7	14	16	160	120	210	210	1000	0	—	—	—
		Fluoride	mg/L	82	87%	11	0.01	0.01	0.01	0.31	1	1	71	0.05	0.44	0.66	0.78	0.97	3.7	4	4	0	4	0
Iodide		mg/L	82	4%	79	0.3	0.3	0.3	0.58	0.3	6	3	0.35	0.35	0.84	0.72	0.98	0.98	—	—	—	—	—	
Nitrate		mg/L	82	95%	4	0.005	0.005	0.25	0.25	0.5	0.5	78	0.018	8	13	16	21	48.8	10	51	10	51	51	
Nitrite		mg/L	82	1%	81	0.003	0.06	0.06	0.24	0.06	6	1	0.4	—	0.4	0.4	—	0.4	1	0	1	1	0	
Metals	No	Aluminum	µg/L	82	62%	31	3.6	18	36	29	36	181	51	31.4	210	430	1400	1300	23400	—	—	36500	0	
		Antimony	µg/L	82	1%	81	0.07	0.35	0.35	0.51	0.7	3.5	1	0.4	—	0.4	0.4	—	0.4	6	0	6	0	
		Arsenic	µg/L	82	100%	0	—	—	—	—	—	—	82	5.6	37	57	68	95	235	10	80	10	80	
		Barium	µg/L	82	100%	0	—	—	—	—	—	—	82	7.8	15	21	34	35	505	2000	0	2000	0	0
		Beryllium	µg/L	82	1%	81	0.08	0.4	0.4	0.58	0.8	4	1	1.1	—	1.1	1.1	—	1.1	4	0	4	0	0
		Boron	µg/L	82	100%	0	—	—	—	—	—	—	82	387	1400	2200	2500	3100	9730	—	—	7300	2	
		Cadmium	µg/L	82	40%	49	0.04	0.2	0.4	0.35	0.4	2	33	0.042	0.16	0.4	0.59	0.6	3.8	5	0	5	0	
		Calcium	µg/L	82	100%	0	—	—	—	—	—	—	82	79600	300000	510000	470000	630000	835000	—	—	—	—	—
		Chromium (total)	µg/L	82	95%	4	0.5	1	3.8	8.3	20	25	78	2.9	9.1	25	71	66	1420	100	7	100	7	
		Chromium (VI)	µg/L	82	73%	22	0.03	3	3	2.9	3	6	60	1.7	12	39	81	59	1400	100	6	100	6	
Cobalt	µg/L	82	30%	57	0.01	0.05	0.1	0.081	0.1	0.5	25	0.089	0.45	1.1	2.8	1.6	22.8	—	—	11	3			
Copper	µg/L	82	24%	62	0.56	2.8	5.6	4.3	5.6	28	20	0.76	1.5	3.6	5.3	6.8	30.2	1300	0	1360	0			
Iron	µg/L	82	100%	0	—	—	—	—	—	—	82	366	1700	2600	3300	3800	30800	—	—	25600	1			
Lead	µg/L	82	11%	73	0.18	0.9	1.8	1.4	1.8	9	9	0.25	0.68	1.3	3.1	2.3	18	15	1	15	1			
Lithium	µg/L	82	79%	17	13	13	13	13	13	13	65	76.8	250	360	1200	500	24500	—	—	73	65			
Magnesium	µg/L	82	100%	0	—	—	—	—	—	—	82	31100	130000	210000	510000	300000	1.2E+07	—	—	207000	42			
Manganese	µg/L	82	90%	8	0.31	1.6	2.4	2.2	3.1	3.1	74	0.33	5.6	13	190	70	1770	—	—	510	9			
Mercury	µg/L	82	20%	66	0.027	0.027	0.027	0.027	0.027	0.027	16	0.028	0.033	0.038	0.045	0.06	0.083	2	0	10.95	0			

**Table 10. Summary of Groundwater Sample Results: Shallow Zone
2009 Groundwater Monitoring Event
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Filtered?	Compound List	Units	Total Count	Detection Frequency	Censored (Non-Detect) Data						Detected Data ^a						MCL	Number of Detections > MCL	Water BCL ^b	Number of Detections > BCL			
						Count	Min	Q1 ^b	Median ^b	Mean ^b	Q3 ^b	Max	Count	Min	Q1 ^b	Median ^b	Mean ^b					Q3 ^b	Max	
Metals (cont.)	No	Molybdenum	µg/L	82	94%	5	1.4	1.4	1.4	1.4	1.4	1.4	77	2.1	30	66	150	110	2600	—	—	180	11	
		Nickel	µg/L	82	98%	2	3	—	3	3	—	3	80	0.73	6.2	9.3	12	15	108	—	—	730	0	
		Potassium	µg/L	82	100%	0	—	—	—	—	—	—	82	6600	23000	49000	440000	90000	1.5E+07	—	—	—	—	
		Selenium	µg/L	82	59%	34	1.4	3.5	7	6.7	7	35	48	1.4	7.9	19	33	37	169	50	10	50	10	
		Silver	µg/L	82	5%	78	0.015	0.075	0.075	0.11	0.15	0.75	4	0.026	0.039	0.13	0.15	0.29	0.32	—	—	180	0	
		Sodium	µg/L	82	100%	0	—	—	—	—	—	—	82	119000	400000	640000	1200000	880000	2.1E+07	—	—	—	—	
		Strontium	µg/L	82	100%	0	—	—	—	—	—	—	82	1370	7300	11000	10000	13000	22300	—	—	21900	1	
		Thallium	µg/L	82	1%	81	0.02	0.1	0.1	0.14	0.2	1	1	0.4	—	0.4	0.4	—	0.4	2	0	2	0	
		Tin	µg/L	82	6%	77	0.17	0.85	1.7	1.3	1.7	8.5	5	0.19	0.24	0.34	0.53	0.93	1	—	—	21900	0	
		Titanium	µg/L	82	95%	4	3	3	3	3	3	3	78	1	6.2	11	33	23	379	—	—	146000	0	
		Tungsten	µg/L	82	2%	80	0.022	0.11	0.11	0.16	0.22	1.1	2	0.84	—	16	16	—	31.9	—	—	270	0	
		Uranium	µg/L	82	89%	9	0.1	0.1	0.2	0.24	0.2	1	73	3.4	11	27	30	36	177	30	29	30	29	
		Vanadium	µg/L	82	99%	1	1.4	—	1.4	1.4	—	1.4	81	2.1	14	22	26	32	87.5	—	—	180	0	
		Zinc	µg/L	82	10%	74	2	10	20	15	20	100	8	10	12	14	30	41	112	—	—	11000	0	
	Yes	Calcium	µg/L	82	100%	0	—	—	—	—	—	82	82100	290000	520000	460000	620000	805000	—	—	—	—		
		Magnesium	µg/L	82	100%	0	—	—	—	—	—	82	31600	130000	220000	540000	300000	1.2E+07	—	—	207000	42		
		Potassium	µg/L	82	100%	0	—	—	—	—	—	82	6250	23000	52000	480000	91000	1.5E+07	—	—	—	—		
		Sodium	µg/L	82	100%	0	—	—	—	—	—	82	114000	440000	630000	1200000	860000	2.2E+07	—	—	—	—		
Organochlorine pesticides	No	2,4'-DDD	µg/L	82	0%	82	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—		
		2,4'-DDE	µg/L	82	1%	81	0.01	0.01	0.01	0.01	0.01	0.01	1	0.084	—	0.084	0.084	—	0.084	—	—	—		
		4,4'-DDD	µg/L	82	0%	82	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	0.28	—	
		4,4'-DDE	µg/L	82	0%	82	0.02	0.02	0.02	0.02	0.02	0.02	0	—	—	—	—	—	—	—	—	0.2	—	
		4,4'-DDT	µg/L	82	1%	81	0.01	0.01	0.01	0.01	0.01	0.01	1	0.073	—	0.073	0.073	—	0.073	—	—	0.2	0	
		Aldrin	µg/L	82	0%	82	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	0.004	—	
		alpha-BHC	µg/L	82	29%	58	0.01	0.01	0.01	0.01	0.01	0.01	24	0.047	0.057	0.094	0.11	0.14	0.35	—	—	0.011	24	
		alpha-Chlordane	µg/L	82	0%	82	0.02	0.02	0.02	0.02	0.02	0.02	0	—	—	—	—	—	—	—	—	—	—	
		beta-BHC	µg/L	82	18%	67	0.01	0.01	0.01	0.01	0.01	0.01	15	0.048	0.06	0.19	0.33	0.63	0.88	—	—	0.037	15	
		Chlordane	µg/L	82	0%	82	0.04	0.04	0.04	0.04	0.04	0.04	0	—	—	—	—	—	—	2	—	2	—	
		delta-BHC	µg/L	82	7%	76	0.01	0.01	0.01	0.01	0.01	0.01	6	0.098	0.18	0.3	0.36	0.53	0.84	—	—	—	—	
		Dieldrin	µg/L	82	0%	82	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	0.0042	—	
		Endosulfan I	µg/L	82	0%	82	0.02	0.02	0.02	0.02	0.02	0.02	0	—	—	—	—	—	—	—	—	—	—	
		Endosulfan II	µg/L	82	0%	82	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	—	
		Endosulfan sulfate	µg/L	82	0%	82	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	—	
		Endrin	µg/L	82	0%	82	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	2	—	2	—
		Endrin aldehyde	µg/L	82	0%	82	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	—	
		Endrin ketone	µg/L	82	0%	82	0.02	0.02	0.02	0.02	0.02	0.02	0	—	—	—	—	—	—	—	—	—	—	
		gamma-BHC (Lindane)	µg/L	82	0%	82	0.003	0.003	0.003	0.003	0.003	0.003	0	—	—	—	—	—	—	—	0.2	—	0.2	—
		gamma-Chlordane	µg/L	82	0%	82	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	—	
		Heptachlor	µg/L	82	0%	82	0.003	0.003	0.003	0.003	0.003	0.003	0	—	—	—	—	—	—	—	0.4	—	0.4	—
		Heptachlor epoxide	µg/L	82	0%	82	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	0.2	—	0.2	—
		Methoxychlor	µg/L	82	0%	82	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	40	—	40	—
Toxaphene	µg/L	82	0%	82	0.66	0.66	0.66	0.66	0.66	0.66	0	—	—	—	—	—	—	—	3	—	3	—		
Radionuclides ^d	No	Radium-226	pCi/L	82	78%	18	—	—	—	—	—	64	-0.0492	1	1.3	2.3	2.2	17.9	—	—	—	—		
		Radium-226/228	pCi/L	82	— ^c	—	—	—	—	—	—	82	0.196	1.9	2.6	3.6	3.7	19.4	5	12	—	—		
		Radium-228	pCi/L	82	60%	33	—	—	—	—	—	49	-0.112	0.6	1.2	1.3	1.7	4.82	—	—	—	—		
		Thorium-228	pCi/L	82	4%	79	—	—	—	—	—	3	-0.356	-0.082	0.027	0.045	0.095	1.6	—	—	—	—		
		Thorium-230	pCi/L	82	29%	58	—	—	—	—	—	24	-0.26	0.033	0.19	0.37	0.54	2.39	—	—	—	—		
		Thorium-232	pCi/L	82	5%	78	—	—	—	—	—	4	-0.205	-0.081	-0.016	0.019	0.072	1.18	—	—	—	—		
		Uranium-233/234	pCi/L	82	98%	2	—	—	—	—	—	80	-0.032	4	8.4	12	15	76.3	—	—	—	—		

**Table 10. Summary of Groundwater Sample Results: Shallow Zone
2009 Groundwater Monitoring Event
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Filtered?	Compound List	Units	Total Count	Detection Frequency	Censored (Non-Detect) Data						Detected Data ^a						MCL	Number of Detections > MCL	Water BCL ^b	Number of Detections > BCL				
						Count	Min	Q1 ^b	Median ^b	Mean ^b	Q3 ^b	Max	Count	Min	Q1 ^b	Median ^b	Mean ^b					Q3 ^b	Max		
Radionuclides ^d (cont.)	No	Uranium-235/236	pCi/L	82	45%	45	—	—	—	—	—	—	37	-0.149	0.15	0.46	0.56	0.77	2.84	—	—	—	—		
		Uranium-238	pCi/L	82	96%	3	—	—	—	—	—	—	79	-0.0979	3.1	7.6	8.6	11	56.5	—	—	—	—		
Volatile organic compounds	No	1,1,1,2-Tetrachloroethane	µg/L	82	0%	82	0.16	0.16	0.16	0.16	0.16	0.16	0	—	—	—	—	—	—	—	—	—	2.3	—	
		1,1,1-Trichloroethane	µg/L	82	0%	82	0.088	0.088	0.088	0.088	0.088	0.088	0	—	—	—	—	—	—	—	200	—	—	200	—
		1,1,2,2-Tetrachloroethane	µg/L	82	0%	82	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	—	—	—	0.3	—
		1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	82	0%	82	0.12	0.12	0.12	0.12	0.12	0.12	0	—	—	—	—	—	—	—	—	—	—	876000	—
		1,1,2-Trichloroethane	µg/L	82	1%	81	0.071	0.071	0.071	0.071	0.071	0.071	0.071	1	0.12	—	0.12	0.12	—	0.12	5	0	—	5	0
		1,1-Dichloroethane	µg/L	82	27%	60	0.083	0.083	0.083	0.083	0.083	0.083	0.083	22	0.096	0.14	0.29	0.44	0.51	2.2	—	—	—	12	0
		1,1-Dichloroethene	µg/L	82	9%	75	0.11	0.11	0.11	0.11	0.11	0.11	0.11	7	0.16	0.24	1.7	1.6	2.4	4.4	7	0	—	7	0
		1,1-Dichloropropene	µg/L	82	2%	80	0.068	0.068	0.068	0.068	0.068	0.068	0.068	2	0.17	—	0.25	0.25	—	0.32	—	—	—	—	—
		1,2,3-Trichlorobenzene	µg/L	82	2%	80	0.16	0.16	0.16	0.16	0.16	0.16	0.16	2	0.17	—	0.18	0.18	—	0.18	—	—	—	—	—
		1,2,3-Trichloropropane	µg/L	82	0%	82	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0	—	—	—	—	—	—	—	—	—	—	—
		1,2,4-Trichlorobenzene	µg/L	82	7%	76	0.16	0.16	0.16	0.16	0.16	0.16	0.16	6	0.28	0.49	0.93	0.88	1.2	1.5	70	0	—	70	0
		1,2,4-Trimethylbenzene	µg/L	82	0%	82	0.062	0.062	0.062	0.062	0.062	0.062	0.062	0	—	—	—	—	—	—	—	—	—	51	—
		1,2-Dibromo-3-chloropropane (DBCP)	µg/L	82	0%	82	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	—	—	—	—	—	—	0.2	—	—	0.2	—
		1,2-Dichlorobenzene	µg/L	82	5%	78	0.11	0.11	0.11	0.11	0.11	0.11	0.11	4	0.14	0.15	0.64	1.7	4.4	5.5	600	0	—	600	0
		1,2-Dichloroethane	µg/L	82	4%	79	0.05	0.05	0.05	0.05	0.05	0.05	0.05	3	0.075	0.075	0.19	0.15	0.19	0.19	5	0	—	5	0
		1,2-Dichloroethene (total)	µg/L	82	1%	81	0.21	0.21	0.21	0.21	0.21	0.21	0.21	1	1	—	1	1	—	1	—	—	—	—	—
		1,2-Dichloropropane	µg/L	82	2%	80	0.054	0.054	0.054	0.054	0.054	0.054	0.054	2	0.14	—	0.67	0.67	—	1.2	5	0	—	5	0
		1,3,5-Trichlorobenzene	µg/L	82	5%	78	0.12	0.12	0.12	0.12	0.12	0.12	0.12	4	0.19	0.19	0.24	0.38	0.71	0.86	—	—	—	—	—
		1,3,5-Trimethylbenzene	µg/L	82	0%	82	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	—	—	590	—
		1,3-Dichlorobenzene	µg/L	82	10%	74	0.081	0.081	0.081	0.081	0.081	0.081	0.081	8	0.082	0.13	0.2	1.1	0.77	6.7	—	—	—	110	0
		1,3-Dichloropropane	µg/L	82	0%	82	0.053	0.053	0.053	0.053	0.053	0.053	0.053	0	—	—	—	—	—	—	—	—	—	730	—
		1,4-Dichlorobenzene	µg/L	82	11%	73	0.11	0.11	0.11	0.11	0.11	0.11	0.11	9	0.13	0.19	0.42	0.9	1.3	3.3	75	0	—	75	0
		2,2,3-Trimethylbutane	µg/L	82	0%	82	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0	—	—	—	—	—	—	—	—	—	—	—
		2,2-Dichloropropane	µg/L	82	0%	82	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	—	—	—	—	—	—	—	—	—	—	—
		2,2-Dimethylpentane	µg/L	82	0%	82	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0	—	—	—	—	—	—	—	—	—	—	—
		2,3-Dimethylpentane	µg/L	82	0%	82	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0	—	—	—	—	—	—	—	—	—	—	—
		2,4-Dimethylpentane	µg/L	82	0%	82	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0	—	—	—	—	—	—	—	—	—	—	—
		2-Chlorotoluene	µg/L	82	0%	82	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	—	—	730	—
		2-Hexanone	µg/L	82	0%	82	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0	—	—	—	—	—	—	—	—	—	—	—
		2-Methylhexane	µg/L	82	0%	82	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0	—	—	—	—	—	—	—	—	—	—	—
		2-Nitropropane	µg/L	82	0%	82	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0	—	—	—	—	—	—	—	—	—	0.0063	—
		3,3-Dimethylpentane	µg/L	82	0%	82	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0	—	—	—	—	—	—	—	—	—	—	—
		3-Ethylpentane	µg/L	82	0%	82	0.089	0.089	0.089	0.089	0.089	0.089	0.089	0	—	—	—	—	—	—	—	—	—	—	—
3-Methylhexane	µg/L	82	0%	82	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0	—	—	—	—	—	—	—	—	—	—	—		
4-Chlorotoluene	µg/L	82	0%	82	0.095	0.095	0.095	0.095	0.095	0.095	0.095	0	—	—	—	—	—	—	—	—	—	—	—		
4-Methyl-2-pentanone	µg/L	82	0%	82	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0	—	—	—	—	—	—	—	—	—	2900	—		
Acetone	µg/L	82	7%	76	0.42	0.42	0.42	0.44	0.42	0.42	2.1	6	8.7	11	14	13	15	16	—	—	—	32600	0		
Acetonitrile	µg/L	82	0%	82	4.2	4.2	4.2	4.2	4.2	4.2	4.2	0	—	—	—	—	—	—	—	—	—	440	—		
Benzene	µg/L	82	4%	79	0.06	0.06	0.06	0.06	0.06	0.06	0.06	3	0.15	0.15	0.16	0.16	0.16	0.16	5	0	—	5	0		
Bromobenzene	µg/L	82	0%	82	0.084	0.084	0.084	0.084	0.084	0.084	0.084	0	—	—	—	—	—	—	—	—	—	490	—		
Bromodichloromethane	µg/L	82	20%	66	0.098	0.098	0.098	0.098	0.098	0.098	0.098	16	0.1	0.11	0.14	1.8	0.18	26	—	—	—	1.1	1		
Bromoform	µg/L	82	1%	81	0.15	0.15	0.15	0.15	0.15	0.15	0.15	1	12	—	12	12	—	12	—	—	—	8.5	1		
Bromomethane	µg/L	82	4%	79	0.096	0.096	0.096	0.096	0.096	0.096	0.096	3	0.16	0.16	0.2	0.25	0.39	0.39	—	—	—	48	0		
Carbon disulfide	µg/L	82	4%	79	0.52	0.52	0.52	0.52	0.52	0.52	0.52	3	0.64	0.64	0.66	0.67	0.7	0.7	—	—	—	3520	0		
Carbon tetrachloride	µg/L	82	45%	45	0.073	0.073	0.073	0.073	0.073	0.073	0.073	37	0.13	0.32	1.2	3.1	4.4	25	5	6	—	5	6		
Chlorobenzene	µg/L	82	4%	79	0.06	0.06	0.06	0.06	0.06	0.06	0.06	3	0.26	0.26	0.59	0.52	0.7	0.7	100	0	—	100	0		
Chlorobromomethane	µg/L	82	0%	82	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0	—	—	—	—	—	—	—	—	—	—	—		

**Table 10. Summary of Groundwater Sample Results: Shallow Zone
2009 Groundwater Monitoring Event
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Filtered?	Compound List	Units	Total Count	Detection Frequency	Censored (Non-Detect) Data						Detected Data ^a						MCL	Number of Detections > MCL	Water BCL ^b	Number of Detections > BCL				
						Count	Min	Q1 ^b	Median ^b	Mean ^b	Q3 ^b	Max	Count	Min	Q1 ^b	Median ^b	Mean ^b					Q3 ^b	Max		
Volatile organic compounds (cont.)	No	Chlorodibromomethane	µg/L	82	0%	82	0.21	0.21	0.21	0.21	0.21	0.21	0	—	—	—	—	—	—	—	—	0.7	—		
		Chloroethane	µg/L	82	0%	82	0.085	0.085	0.085	0.085	0.085	0.085	0	—	—	—	—	—	—	—	—	—	23	—	
		Chloroform	µg/L	82	90%	8	0.067	0.067	0.067	0.067	0.067	0.067	74	0.084	1.4	19	100	96	900	—	—	—	1.6	54	
		Chloromethane	µg/L	82	12%	72	0.086	0.086	0.086	0.086	0.086	0.086	10	0.12	0.15	0.29	0.28	0.35	0.49	—	—	—	81	0	
		cis-1,2-Dichloroethene	µg/L	82	2%	80	0.14	0.14	0.14	0.14	0.14	0.14	2	0.14	—	0.51	0.51	—	0.88	70	0	70	0	0	
		cis-1,3-Dichloropropene	µg/L	82	0%	82	0.099	0.099	0.099	0.099	0.099	0.099	0	—	—	—	—	—	—	—	—	—	—	—	—
		Cymene (Isopropyltoluene)	µg/L	82	0%	82	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	—	—	—	—	—
		Dibromomethane	µg/L	82	0%	82	0.095	0.095	0.095	0.095	0.095	0.095	0	—	—	—	—	—	—	—	—	—	—	370	—
		Dichlorodifluoromethane (Freon-12)	µg/L	82	1%	81	0.058	0.058	0.058	0.058	0.058	0.058	1	0.072	—	0.072	0.072	—	0.072	—	—	—	—	5840	0
		Dichloromethane	µg/L	82	2%	80	0.1	0.1	0.1	0.1	0.1	0.1	2	0.23	—	2.8	2.8	—	5.4	5	1	—	5	1	1
		Dimethyl disulfide	µg/L	82	0%	82	0.27	0.27	0.27	0.27	0.27	0.27	0	—	—	—	—	—	—	—	—	—	—	—	—
		Ethanol	µg/L	82	0%	82	85	85	85	85	85	85	0	—	—	—	—	—	—	—	—	—	—	—	—
		Ethylbenzene	µg/L	82	0%	82	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	700	—	700	—	—
		Isopropylbenzene	µg/L	82	0%	82	0.096	0.096	0.096	0.096	0.096	0.096	0	—	—	—	—	—	—	—	—	—	—	3440	—
		m,p-Xylene	µg/L	82	0%	82	0.19	0.19	0.19	0.19	0.19	0.19	0	—	—	—	—	—	—	—	—	—	—	42600	—
		Methyl ethyl ketone	µg/L	82	0%	82	0.83	0.83	0.83	0.83	0.83	0.83	0	—	—	—	—	—	—	—	—	—	—	21300	—
		Methyl iodide	µg/L	82	9%	75	0.091	0.091	0.091	0.091	0.091	0.091	7	0.31	0.34	0.44	0.53	0.75	0.96	—	—	—	—	—	—
		MTBE (Methyl tert-butyl ether)	µg/L	82	13%	71	0.098	0.098	0.098	0.098	0.098	0.098	11	0.16	0.28	0.33	0.32	0.37	0.45	—	—	—	—	35	0
		n-Butylbenzene	µg/L	82	0%	82	0.12	0.12	0.12	0.12	0.12	0.12	0	—	—	—	—	—	—	—	—	—	—	370	—
		n-Heptane	µg/L	82	0%	82	0.12	0.12	0.12	0.12	0.12	0.12	0	—	—	—	—	—	—	—	—	—	—	—	—
		Nonanal	µg/L	82	1%	81	1.2	1.2	1.2	1.2	1.2	1.2	1	1.3	—	1.3	1.3	—	1.3	—	—	—	—	—	—
		n-Propylbenzene	µg/L	82	0%	82	0.093	0.093	0.093	0.093	0.093	0.093	0	—	—	—	—	—	—	—	—	—	—	370	—
		o-Xylene	µg/L	82	0%	82	0.055	0.055	0.055	0.055	0.055	0.055	0	—	—	—	—	—	—	—	—	—	—	42600	—
		sec-Butylbenzene	µg/L	82	0%	82	0.085	0.085	0.085	0.085	0.085	0.085	0	—	—	—	—	—	—	—	—	—	—	370	—
		Styrene	µg/L	82	0%	82	0.042	0.042	0.042	0.042	0.042	0.042	0	—	—	—	—	—	—	—	100	—	100	—	—
		tert-Butylbenzene	µg/L	82	0%	82	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	—	—	—	370	—
		Tetrachloroethene	µg/L	82	62%	31	0.065	0.065	0.065	0.065	0.065	0.065	51	0.066	0.24	0.67	4.4	1.8	73	5	6	5	5	6	6
		Toluene	µg/L	82	7%	76	0.07	0.07	0.07	0.07	0.07	0.07	6	0.07	0.079	0.09	0.1	0.13	0.17	1000	0	1000	0	0	0
		Total trihalomethanes	µg/L	82	— ^c	—	—	—	—	—	—	—	82	0.26	0.74	6.2	94	83	900.3	80	21	—	—	—	—
		trans-1,2-Dichloroethene	µg/L	82	1%	81	0.081	0.081	0.081	0.081	0.081	0.081	1	0.13	—	0.13	0.13	—	0.13	100	0	100	0	0	0
trans-1,3-Dichloropropene	µg/L	82	0%	82	0.23	0.23	0.23	0.23	0.23	0.23	0	—	—	—	—	—	—	—	—	—	—	—	—		
Trichloroethene	µg/L	82	37%	52	0.091	0.091	0.091	0.091	0.091	0.091	30	0.11	0.17	0.27	0.52	0.39	3.8	5	0	5	5	0	0		
Trichlorofluoromethane (Freon-11)	µg/L	82	0%	82	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	—	—	—	9890	—		
Vinyl acetate	µg/L	82	0%	82	0.23	0.23	0.23	0.23	0.23	0.23	0	—	—	—	—	—	—	—	—	—	—	16200	—		
Vinyl chloride	µg/L	82	0%	82	0.091	0.091	0.091	0.091	0.091	0.091	0	—	—	—	—	—	—	—	2	—	2	—	—		
Xylenes (total)	µg/L	82	0%	82	0.22	0.22	0.22	0.22	0.22	0.22	0	—	—	—	—	—	—	10000	—	10000	—	—	—		
Water quality parameters	No	Bicarbonate alkalinity	mg/L	82	100%	0	—	—	—	—	—	82	33.2	69	93	130	150	496	—	—	—	—	—		
		Carbonate alkalinity	mg/L	82	0%	82	0.31	0.31	0.31	0.32	0.31	0.61	0	—	—	—	—	—	—	—	—	—	—		
		Conductivity	µmhos/cm	81	100%	0	—	—	—	—	—	—	81	1020	4300	6000	11000	7900	133000	—	—	—	—	—	
		Hardness	mg/L	82	100%	0	—	—	—	—	—	—	82	292	1100	2000	3000	2600	48900	—	—	—	—	—	
		Hydroxide alkalinity	mg/L	82	0%	82	0.31	0.31	0.31	0.31	0.31	0.61	0	—	—	—	—	—	—	—	—	—	—	—	
		pH	none	81	100%	0	—	—	—	—	—	—	81	5.3	6.9	7.3	7	7.5	8.2	—	—	—	—	—	
		Total alkalinity	mg/L	82	100%	0	—	—	—	—	—	—	82	33.2	69	93	130	150	496	—	—	—	—	—	
		Total dissolved solids	mg/L	82	98%	2	350	—	350	350	—	350	80	600	3000	4300	8100	6600	142000	500	80	—	—	—	
		Total inorganic carbon	mg/L	82	100%	0	—	—	—	—	—	—	82	6.3	16	27	41	41	175	—	—	—	—	—	
		Total organic carbon	mg/L	82	99%	1	0.22	—	0.22	0.22	—	0.22	81	0.25	0.94	1.4	2	2.2	11.8	—	—	—	—	—	
		Total suspended solids	mg/L	82	99%	1	4	—	4	4	—	4	81	1	8	16	54	39	813	—	—	—	—	—	
		Yes	Bicarbonate alkalinity	mg/L	82	100%	0	—	—	—	—	82	31.6	70	94	130	150	496	—	—	—	—	—	—	
		Carbonate alkalinity	mg/L	82	0%	82	0.31	0.31	0.31	0.32	0.31	0.61	0	—	—	—	—	—	—	—	—	—	—		

**Table 10. Summary of Groundwater Sample Results: Shallow Zone
2009 Groundwater Monitoring Event
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Filtered?	Compound List	Units	Total Count	Detection Frequency	Censored (Non-Detect) Data						Detected Data ^a						MCL	Number of Detections > MCL	Water BCL ^b	Number of Detections > BCL			
						Count	Min	Q1 ^b	Median ^b	Mean ^b	Q3 ^b	Max	Count	Min	Q1 ^b	Median ^b	Mean ^b					Q3 ^b	Max	
Water quality parameters (cont.)	Yes	Conductivity	µmhos/cm	25	100%	0	—	—	—	—	—	—	25	1020	4600	6100	5900	7500	11300	—	—	—	—	
		Hydroxide alkalinity	mg/L	82	0%	82	0.31	0.31	0.31	0.31	0.31	0.31	0	—	—	—	—	—	—	—	—	—	—	—
		Total alkalinity	mg/L	82	100%	0	—	—	—	—	—	—	—	82	31.6	70	94	130	150	496	—	—	—	—

BCL = Basic Comparison Levels (BCLs) from NDEP, 2009b.

Max = Maximum

Min = Minimum

Q1 = 1st quartile (25th percentile)

Q3 = 3rd quartile (75th percentile)

— = Not applicable or no value has been established.

^a Range of detections include estimated values of detect results between the detection limit and reporting limit. As such, some minimum detected concentrations may be below the minimum reporting limit. In these cases the respective sample results are flagged in the dataset.

^b Values are rounded to 2 significant figures.

^c Total trihalomethanes are calculated from the sum of bromodichloromethane, bromoform, chloroform, and dibromochloromethane. Radium-226/228 are calculated from the sum of radium-226 and radium-228. Therefore, the number of detections and non-detections, and a

^d Because both non-detected and detected radionuclides have reported activity levels, calculated summary statistics (and exceedances of comparison levels) are presented as detected regardless of the laboratory detection flag. Laboratory detection flags are represented by

**Table 11. Summary of Groundwater Sample Results: Middle Zone
2009 Groundwater Monitoring Event
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Filtered?	Compound List	Units	Total Count	Detection Frequency	Censored (Non-Detect) Data						Detected Data ^a						MCL	Number of Detections > MCL	Water BCL ^b	Number of Detections > BCL		
						Count	Min	Q1 ^b	Median ^b	Mean ^b	Q3 ^b	Max	Count	Min	Q1 ^b	Median ^b	Mean ^b					Q3 ^b	Max
General chemistry	No	Ammonia	µg/L	18	72%	5	8.1	8.1	8.1	8.1	8.1	8.1	13	105	2000	3700	6300	12000	15400	—	—	200	12
		Bromide	mg/L	18	67%	6	2.6	2.6	2.6	2.6	2.6	2.6	12	0.18	0.24	0.3	0.81	1.1	4.1	—	—	—	—
		Bromine	mg/L	18	67%	6	50	50	50	50	50	50	12	0.35	0.49	0.6	1.6	2.3	8.3	—	—	—	—
		Chlorate	mg/L	18	11%	16	0.047	0.047	0.71	2.2	4.7	4.7	2	0.39	—	0.44	0.44	—	0.49	—	—	—	—
		Chloride	mg/L	18	100%	0	—	—	—	—	—	—	18	97.5	190	5100	14000	26000	58700	—	—	—	—
		Chlorine	mg/L	18	100%	0	—	—	—	—	—	—	18	195	380	10000	28000	53000	117000	4	18	4	18
		Chlorite	µg/L	18	6%	17	20	30	400	390	800	800	1	520	—	520	520	—	520	1000	0	—	—
		Cyanide, total	µg/L	17	0%	17	3.5	3.5	3.5	3.5	3.5	3.5	0	—	—	—	—	—	—	200	—	200	—
		Fluoride	mg/L	18	44%	10	0.1	0.1	1	0.65	1	1	8	0.23	0.41	0.76	0.76	1.2	1.3	4	0	4	0
		Iodide	mg/L	18	0%	18	0.3	0.3	3	7	15	30	0	—	—	—	—	—	—	—	—	—	—
		Ion balance difference	Pct	18	— ^c	—	—	—	—	—	—	—	18	0.26	1.1	2	2.9	3.9	8.4	—	—	—	—
		Nitrate	mg/L	18	44%	10	0.005	0.039	0.5	0.32	0.5	0.5	8	0.0092	0.041	0.3	0.53	1.2	1.5	10	0	10	0
		Nitrite	mg/L	18	0%	18	0.003	0.06	0.6	2.1	6	6	0	—	—	—	—	—	—	1	—	1	—
		Orthophosphate	mg/L	18	0%	18	0.05	0.05	0.5	2.1	5	5	0	—	—	—	—	—	—	—	—	—	—
		Perchlorate	µg/L	18	39%	11	0.1	0.1	0.4	0.88	2	2	7	0.13	0.13	0.32	65	19	430	—	—	18	2
		Sulfate	mg/L	18	100%	0	—	—	—	—	—	—	18	263	2100	14000	24000	43000	80900	—	—	—	—
		Sulfide	mg/L	18	6%	17	0.083	0.083	0.083	0.083	0.083	0.083	1	2.4	—	2.4	2.4	—	2.4	—	—	—	—
	Total Kjeldahl nitrogen	mg/L	18	67%	6	0.25	0.25	0.25	0.25	0.25	0.25	12	0.75	2.2	4.7	5.8	9.4	14.1	—	—	—	—	
	Yes	Bromide	mg/L	18	67%	6	2.6	2.6	2.6	2.6	2.6	12	0.18	0.23	0.28	0.81	1.1	4.3	—	—	—	—	
		Bromine	mg/L	18	67%	6	50	50	50	50	50	12	0.35	0.47	0.57	1.6	2.2	8.6	—	—	—	—	
		Chlorate	mg/L	18	6%	17	0.047	0.047	0.47	2.1	4.7	4.7	1	0.36	—	0.36	0.36	—	0.36	—	—	—	—
		Chloride	mg/L	18	100%	0	—	—	—	—	—	—	18	97.6	190	4800	13000	26000	58700	—	—	—	—
		Chlorine	mg/L	18	100%	0	—	—	—	—	—	—	18	195	380	9700	27000	51000	117000	4	18	4	18
		Chlorite	µg/L	18	6%	17	20	30	400	390	800	800	1	410	—	410	410	—	410	1000	0	—	—
		Fluoride	mg/L	18	44%	10	0.1	0.18	1	0.74	1	1	8	0.14	0.27	0.6	0.66	1.1	1.3	4	0	4	0
Iodide		mg/L	18	0%	18	0.3	0.3	3	7	15	30	0	—	—	—	—	—	—	—	—	—	—	
Nitrate		mg/L	18	17%	15	0.005	0.005	0.1	0.25	0.5	0.5	3	0.097	0.097	1.5	1	1.5	1.5	10	0	10	0	
Nitrite		mg/L	18	0%	18	0.003	0.06	0.6	2.1	6	6	0	—	—	—	—	—	—	1	—	1	—	
Metals	No	Aluminum	µg/L	18	11%	16	18.1	18	18	53	36	181	2	49.5	—	480	480	—	902	—	—	36500	0
		Antimony	µg/L	18	0%	18	0.14	0.35	0.35	1.3	1.4	7	0	—	—	—	—	—	—	6	—	6	—
		Arsenic	µg/L	18	94%	1	21	—	21	21	—	21	17	1.3	12	25	27	32	100	10	14	10	14
		Barium	µg/L	18	100%	0	—	—	—	—	—	—	18	10.9	15	21	36	62	108	2000	0	2000	0
		Beryllium	µg/L	18	0%	18	0.16	0.4	0.4	1.5	1.6	8	0	—	—	—	—	—	—	4	—	4	—
		Boron	µg/L	18	100%	0	—	—	—	—	—	—	18	802	1900	6900	6400	11000	13100	—	—	7300	8
		Cadmium	µg/L	18	39%	11	0.2	0.2	0.2	1.1	2	4	7	0.27	0.9	1.1	1.1	1.5	1.9	5	0	5	0
		Calcium	µg/L	18	100%	0	—	—	—	—	—	—	18	23900	400000	480000	440000	540000	615000	—	—	—	—
		Chromium (total)	µg/L	18	44%	10	1	2.5	2.5	5.1	5	25	8	5.3	6.8	8.1	21	35	62.8	100	0	100	0
		Chromium (VI)	µg/L	16	13%	14	0.06	1.3	3	4.1	3.8	15	2	4.71	—	5	5	—	5.21	100	0	100	0
		Cobalt	µg/L	18	44%	10	0.02	0.05	0.05	0.16	0.1	1	8	0.22	0.35	0.58	1	1.8	2.6	—	—	11	0
		Copper	µg/L	18	0%	18	1.1	2.8	2.8	11	15	56	0	—	—	—	—	—	—	1300	—	1360	—
		Iron	µg/L	18	100%	0	—	—	—	—	—	—	18	88.3	1800	2600	2500	3400	5240	—	—	25600	0
		Lead	µg/L	18	0%	18	0.36	0.9	0.9	3.4	3.6	18	0	—	—	—	—	—	—	15	—	15	—
		Lithium	µg/L	18	94%	1	13	—	13	13	—	13	17	261	550	12000	14000	27000	36400	—	—	73	17
		Magnesium	µg/L	18	100%	0	—	—	—	—	—	—	18	9010	120000	2200000	4200000	7600000	1.5E+07	—	—	207000	11
		Manganese	µg/L	18	83%	3	1.6	1.6	1.6	1.6	1.6	1.6	15	23.1	44	870	1200	1800	4530	—	—	510	10
		Mercury	µg/L	16	0%	16	0.027	0.027	0.027	0.027	0.027	0.027	0	—	—	—	—	—	—	2	—	10.95	—

**Table 11. Summary of Groundwater Sample Results: Middle Zone
2009 Groundwater Monitoring Event
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Filtered?	Compound List	Units	Total Count	Detection Frequency	Censored (Non-Detect) Data						Detected Data ^a						MCL	Number of Detections > MCL	Water BCL ^b	Number of Detections > BCL				
						Count	Min	Q1 ^b	Median ^b	Mean ^b	Q3 ^b	Max	Count	Min	Q1 ^b	Median ^b	Mean ^b					Q3 ^b	Max		
Metals (cont.)	No	Molybdenum	µg/L	18	100%	0	—	—	—	—	—	—	18	0.99	22	210	440	920	1580	—	—	180	9		
		Nickel	µg/L	18	83%	3	1.5	1.5	1.5	6	15	15	15	15	2.1	3.5	4.9	10	15	36.6	—	—	730	0	
		Potassium	µg/L	18	100%	0	—	—	—	—	—	—	—	18	9490	59000	1500000	4200000	7300000	1.6E+07	—	—	—	—	
		Selenium	µg/L	18	39%	11	1.4	3.5	3.5	9	3.5	35	7	4.1	8.6	36	50	66	167	50	3	50	3		
		Silver	µg/L	18	6%	17	0.03	0.075	0.075	0.29	0.45	1.5	1	0.22	—	0.22	0.22	—	0.22	—	—	—	180	0	
		Sodium	µg/L	18	100%	0	—	—	—	—	—	—	—	18	194000	400000	4500000	9100000	1.9E+07	3.1E+07	—	—	—	—	
		Strontium	µg/L	18	100%	0	—	—	—	—	—	—	—	18	675	7000	10000	10000	12000	29200	—	—	21900	1	
		Thallium	µg/L	18	0%	18	0.04	0.1	0.1	0.37	0.4	2	0	—	—	—	—	—	—	—	2	—	2	—	
		Tin	µg/L	18	6%	17	0.34	0.85	0.85	3.3	5.1	17	1	1.7	—	1.7	1.7	—	1.7	—	—	—	21900	0	
		Titanium	µg/L	18	56%	8	3	3	3	3	3	3	10	2.6	3	6.3	7.1	11	13.2	—	—	146000	0		
		Tungsten	µg/L	18	0%	18	0.044	0.11	0.11	0.41	0.44	2.2	0	—	—	—	—	—	—	—	—	—	270	—	
		Uranium	µg/L	18	61%	7	0.1	0.1	0.1	0.5	1	2	11	0.46	0.7	1.9	3.8	6.3	10.6	30	0	30	0		
		Vanadium	µg/L	18	39%	11	0.7	0.7	1.4	3.8	7	14	7	1.3	3.4	5	11	24	24.2	—	—	180	0		
		Zinc	µg/L	18	6%	17	4	10	10	38	60	200	1	20.2	—	20	20	—	20.2	—	—	11000	0		
Metals (cont.)	Yes	Calcium	µg/L	18	100%	0	—	—	—	—	—	—	18	23000	400000	480000	430000	530000	582000	—	—	—	—		
		Magnesium	µg/L	18	100%	0	—	—	—	—	—	—	—	18	8730	120000	1800000	4300000	7400000	1.5E+07	—	—	207000	11	
		Potassium	µg/L	18	100%	0	—	—	—	—	—	—	—	18	9290	58000	1600000	4100000	7400000	1.6E+07	—	—	—	—	
		Sodium	µg/L	18	100%	0	—	—	—	—	—	—	—	18	192000	400000	4300000	9300000	1.8E+07	3.7E+07	—	—	—	—	
Organochlorine pesticides	No	2,4'-DDD	µg/L	18	0%	18	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	—		
		2,4'-DDE	µg/L	18	0%	18	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	—		
		4,4'-DDD	µg/L	18	0%	18	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	0.28	—	
		4,4'-DDE	µg/L	18	0%	18	0.02	0.02	0.02	0.02	0.02	0.02	0	—	—	—	—	—	—	—	—	—	0.2	—	
		4,4'-DDT	µg/L	18	0%	18	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	0.2	—	
		Aldrin	µg/L	18	0%	18	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	0.004	—	
		alpha-BHC	µg/L	18	0%	18	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	0.011	—	
		alpha-Chlordane	µg/L	18	0%	18	0.02	0.02	0.02	0.02	0.02	0.02	0	—	—	—	—	—	—	—	—	—	—	—	
		beta-BHC	µg/L	18	0%	18	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	0.037	—	
		Chlordane	µg/L	18	0%	18	0.04	0.04	0.04	0.04	0.04	0.04	0	—	—	—	—	—	—	—	2	—	2	—	
		delta-BHC	µg/L	18	0%	18	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	—	—	
		Dieldrin	µg/L	18	0%	18	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	0.0042	—	
		Endosulfan I	µg/L	18	0%	18	0.02	0.02	0.02	0.02	0.02	0.02	0	—	—	—	—	—	—	—	—	—	—	—	
		Endosulfan II	µg/L	18	0%	18	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	—	—	
		Endosulfan sulfate	µg/L	18	0%	18	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	—	—	
		Endrin	µg/L	18	0%	18	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	2	—	2	—
		Endrin aldehyde	µg/L	18	0%	18	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	—	—	
		Endrin ketone	µg/L	18	0%	18	0.02	0.02	0.02	0.02	0.02	0.02	0	—	—	—	—	—	—	—	—	—	—	—	
		gamma-BHC (Lindane)	µg/L	18	0%	18	0.003	0.003	0.003	0.003	0.003	0.003	0	—	—	—	—	—	—	—	0.2	—	0.2	—	
		gamma-Chlordane	µg/L	18	0%	18	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	—	—	
		Heptachlor	µg/L	18	0%	18	0.003	0.003	0.003	0.003	0.003	0.003	0	—	—	—	—	—	—	—	—	0.4	—	0.4	—
		Heptachlor epoxide	µg/L	18	0%	18	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	0.2	—	0.2	—
		Methoxychlor	µg/L	18	0%	18	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	40	—	40	—
Toxaphene	µg/L	18	0%	18	0.66	0.66	0.66	0.66	0.66	0.66	0	—	—	—	—	—	—	—	—	3	—	3	—		
Radionuclides ^d	No	Radium-226	pCi/L	18	100%	0	—	—	—	—	—	—	18	0.644	1.1	1.5	1.9	2	7.24	—	—	—	—		
		Radium-226/228	pCi/L	18	— ^c	—	—	—	—	—	—	—	—	18	1.82	2.2	3.4	4.2	4.4	12.9	5	3	—	—	
		Radium-228	pCi/L	18	67%	6	—	—	—	—	—	—	—	12	0.576	0.91	1.7	2.3	3	6.11	—	—	—	—	
		Thorium-228	pCi/L	18	11%	16	—	—	—	—	—	—	—	2	-0.188	-0.08	0.049	0.12	0.23	1.15	—	—	—	—	
		Thorium-230	pCi/L	18	6%	17	—	—	—	—	—	—	—	1	-0.259	-0.082	0.098	0.19	0.33	1	—	—	—	—	
		Thorium-232	pCi/L	18	6%	17	—	—	—	—	—	—	—	1	-0.277	-0.092	-0.03	-0.026	0.015	0.304	—	—	—	—	
Uranium-233/234	pCi/L	18	61%	7	—	—	—	—	—	—	—	11	0.129	0.35	0.62	1.1	1.4	4.89	—	—	—	—			

**Table 11. Summary of Groundwater Sample Results: Middle Zone
2009 Groundwater Monitoring Event
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Filtered?	Compound List	Units	Total Count	Detection Frequency	Censored (Non-Detect) Data						Detected Data ^a						MCL	Number of Detections > MCL	Water BCL ^b	Number of Detections > BCL				
						Count	Min	Q1 ^b	Median ^b	Mean ^b	Q3 ^b	Max	Count	Min	Q1 ^b	Median ^b	Mean ^b					Q3 ^b	Max		
Radionuclides ^d (cont.)	No	Uranium-235/236	pCi/L	18	6%	17	—	—	—	—	—	—	1	-0.044	-0.0049	0.093	0.087	0.15	0.327	—	—	—	—		
		Uranium-238	pCi/L	18	50%	9	—	—	—	—	—	—	9	-0.0686	0.24	0.49	0.68	1	2.1	—	—	—	—		
Volatile organic compounds	No	1,1,1,2-Tetrachloroethane	µg/L	18	0%	18	0.16	0.16	0.16	0.16	0.16	0.16	0	—	—	—	—	—	—	—	—	—	2.3	—	
		1,1,1-Trichloroethane	µg/L	18	0%	18	0.088	0.088	0.088	0.088	0.088	0.088	0	—	—	—	—	—	—	—	200	—	200	—	
		1,1,2-Tetrachloroethane	µg/L	18	0%	18	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	—	—	0.3	—	
		1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	18	0%	18	0.12	0.12	0.12	0.12	0.12	0.12	0	—	—	—	—	—	—	—	—	—	876000	—	
		1,1,2-Trichloroethane	µg/L	18	0%	18	0.071	0.071	0.071	0.071	0.071	0.071	0	—	—	—	—	—	—	—	5	—	5	—	
		1,1-Dichloroethane	µg/L	18	0%	18	0.083	0.083	0.083	0.083	0.083	0.083	0	—	—	—	—	—	—	—	—	—	12	—	
		1,1-Dichloroethene	µg/L	18	0%	18	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	7	—	7	—	
		1,1-Dichloropropene	µg/L	18	0%	18	0.068	0.068	0.068	0.068	0.068	0.068	0	—	—	—	—	—	—	—	—	—	—	—	
		1,2,3-Trichlorobenzene	µg/L	18	0%	18	0.16	0.16	0.16	0.16	0.16	0.16	0	—	—	—	—	—	—	—	—	—	—	—	
		1,2,3-Trichloropropane	µg/L	18	0%	18	0.23	0.23	0.23	0.23	0.23	0.23	0	—	—	—	—	—	—	—	—	—	—	0.034	—
		1,2,4-Trichlorobenzene	µg/L	18	0%	18	0.16	0.16	0.16	0.16	0.16	0.16	0	—	—	—	—	—	—	—	70	—	70	—	
		1,2,4-Trimethylbenzene	µg/L	18	0%	18	0.062	0.062	0.062	0.062	0.062	0.062	0	—	—	—	—	—	—	—	—	—	51	—	
		1,2-Dibromo-3-chloropropane (DBCP)	µg/L	18	0%	18	0.2	0.2	0.2	0.2	0.2	0.2	0	—	—	—	—	—	—	—	0.2	—	0.2	—	
		1,2-Dichlorobenzene	µg/L	18	11%	16	0.11	0.11	0.11	0.11	0.11	0.11	2	0.51	—	0.54	0.54	—	0.56	600	0	600	0		
		1,2-Dichloroethane	µg/L	18	0%	18	0.05	0.05	0.05	0.05	0.05	0.05	0	—	—	—	—	—	—	5	—	5	—		
		1,2-Dichloroethene (total)	µg/L	18	0%	18	0.21	0.21	0.21	0.21	0.21	0.21	0	—	—	—	—	—	—	—	—	—	—	—	
		1,2-Dichloropropane	µg/L	18	0%	18	0.054	0.054	0.054	0.054	0.054	0.054	0	—	—	—	—	—	—	5	—	5	—		
		1,3,5-Trichlorobenzene	µg/L	18	0%	18	0.12	0.12	0.12	0.12	0.12	0.12	0	—	—	—	—	—	—	—	—	—	—	—	
		1,3,5-Trimethylbenzene	µg/L	18	0%	18	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	—	—	590	—	
		1,3-Dichlorobenzene	µg/L	18	0%	18	0.081	0.081	0.081	0.081	0.081	0.081	0	—	—	—	—	—	—	—	—	—	110	—	
		1,3-Dichloropropane	µg/L	18	0%	18	0.053	0.053	0.053	0.053	0.053	0.053	0	—	—	—	—	—	—	—	—	—	730	—	
		1,4-Dichlorobenzene	µg/L	18	11%	16	0.11	0.11	0.11	0.11	0.11	0.11	2	0.99	—	1	1	—	1	75	0	75	0		
		2,2,3-Trimethylbutane	µg/L	18	0%	18	0.23	0.23	0.23	0.23	0.23	0.23	0	—	—	—	—	—	—	—	—	—	—	—	
		2,2-Dichloropropane	µg/L	18	0%	18	0.1	0.1	0.1	0.1	0.1	0.1	0	—	—	—	—	—	—	—	—	—	—	—	
		2,2-Dimethylpentane	µg/L	18	0%	18	0.16	0.16	0.16	0.16	0.16	0.16	0	—	—	—	—	—	—	—	—	—	—	—	
		2,3-Dimethylpentane	µg/L	18	0%	18	0.18	0.18	0.18	0.18	0.18	0.18	0	—	—	—	—	—	—	—	—	—	—	—	
		2,4-Dimethylpentane	µg/L	18	0%	18	0.19	0.19	0.19	0.19	0.19	0.19	0	—	—	—	—	—	—	—	—	—	—	—	
		2-Chlorotoluene	µg/L	18	0%	18	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	—	—	—	730	—
		2-Hexanone	µg/L	18	6%	17	1.3	1.3	1.3	1.3	1.3	1.3	1	2.1	—	2.1	2.1	—	2.1	—	—	—	—	—	
		2-Methylhexane	µg/L	18	0%	18	0.15	0.15	0.15	0.15	0.15	0.15	0	—	—	—	—	—	—	—	—	—	—	—	
		2-Nitropropane	µg/L	18	0%	18	1.1	1.1	1.1	1.1	1.1	1.1	0	—	—	—	—	—	—	—	—	—	—	0.0063	—
		3,3-Dimethylpentane	µg/L	18	0%	18	0.2	0.2	0.2	0.2	0.2	0.2	0	—	—	—	—	—	—	—	—	—	—	—	
		3-Ethylpentane	µg/L	18	0%	18	0.089	0.089	0.089	0.089	0.089	0.089	0	—	—	—	—	—	—	—	—	—	—	—	
		3-Methylhexane	µg/L	18	0%	18	0.17	0.17	0.17	0.17	0.17	0.17	0	—	—	—	—	—	—	—	—	—	—	—	
4-Chlorotoluene	µg/L	18	0%	18	0.095	0.095	0.095	0.095	0.095	0.095	0	—	—	—	—	—	—	—	—	—	—	—			
4-Methyl-2-pentanone	µg/L	18	17%	15	0.32	0.32	0.32	0.32	0.32	0.32	3	0.41	0.41	0.46	0.45	0.49	0.49	—	—	—	2900	0			
Acetone	µg/L	18	17%	15	0.42	0.42	0.42	0.42	0.42	0.42	3	6	6	9.1	8.7	11	11	—	—	—	32600	0			
Acetonitrile	µg/L	18	0%	18	4.2	4.2	4.2	4.2	4.2	4.2	0	—	—	—	—	—	—	—	—	—	440	—			
Benzene	µg/L	18	50%	9	0.06	0.06	0.06	0.06	0.06	0.06	9	0.067	0.12	0.22	0.47	0.74	1.5	5	0	5	0				
Bromobenzene	µg/L	18	0%	18	0.084	0.084	0.084	0.084	0.084	0.084	0	—	—	—	—	—	—	—	—	—	—	490	—		
Bromodichloromethane	µg/L	18	0%	18	0.098	0.098	0.098	0.098	0.098	0.098	0	—	—	—	—	—	—	—	—	—	—	1.1	—		
Bromoform	µg/L	18	0%	18	0.15	0.15	0.15	0.15	0.15	0.15	0	—	—	—	—	—	—	—	—	—	—	8.5	—		
Bromomethane	µg/L	18	6%	17	0.096	0.096	0.096	0.096	0.096	0.096	1	0.2	—	0.2	0.2	—	0.2	—	—	—	—	48	0		
Carbon disulfide	µg/L	18	6%	17	0.52	0.52	0.52	0.52	0.52	0.52	1	0.58	—	0.58	0.58	—	0.58	—	—	—	—	3520	0		
Carbon tetrachloride	µg/L	18	0%	18	0.073	0.073	0.073	0.073	0.073	0.073	0	—	—	—	—	—	—	5	—	—	5	—			
Chlorobenzene	µg/L	18	11%	16	0.06	0.06	0.06	0.06	0.06	0.06	2	6.5	—	7.4	7.4	—	8.2	100	0	100	0				
Chlorobromomethane	µg/L	18	0%	18	0.12	0.12	0.12	0.12	0.12	0.12	0	—	—	—	—	—	—	—	—	—	—	—			

**Table 11. Summary of Groundwater Sample Results: Middle Zone
2009 Groundwater Monitoring Event
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Filtered?	Compound List	Units	Total Count	Detection Frequency	Censored (Non-Detect) Data						Detected Data ^a						MCL	Number of Detections > MCL	Water BCL ^b	Number of Detections > BCL			
						Count	Min	Q1 ^b	Median ^b	Mean ^b	Q3 ^b	Max	Count	Min	Q1 ^b	Median ^b	Mean ^b					Q3 ^b	Max	
Volatile organic compounds (cont.)	No	Chlorodibromomethane	µg/L	18	0%	18	0.21	0.21	0.21	0.21	0.21	0.21	0	—	—	—	—	—	—	—	—	0.7	—	
		Chloroethane	µg/L	18	17%	15	0.085	0.085	0.085	0.085	0.085	0.085	3	0.19	0.19	0.26	0.29	0.42	0.42	—	—	23	0	
		Chloroform	µg/L	18	22%	14	0.067	0.067	0.067	0.067	0.067	0.067	4	0.44	0.47	1.2	2.5	5.9	7.2	—	—	1.6	2	
		Chloromethane	µg/L	18	28%	13	0.086	0.086	0.086	0.086	0.086	0.086	5	0.17	0.2	0.23	0.26	0.35	0.36	—	—	81	0	
		cis-1,2-Dichloroethene	µg/L	18	0%	18	0.14	0.14	0.14	0.14	0.14	0.14	0	—	—	—	—	—	—	70	—	70	—	
		cis-1,3-Dichloropropene	µg/L	18	0%	18	0.099	0.099	0.099	0.099	0.099	0.099	0	—	—	—	—	—	—	—	—	—	—	—
		Cymene (Isopropyltoluene)	µg/L	18	0%	18	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	—	—	—	—
		Dibromomethane	µg/L	18	6%	17	0.095	0.095	0.095	0.095	0.095	0.095	1	0.11	—	0.11	0.11	—	0.11	—	—	—	370	0
		Dichlorodifluoromethane (Freon-12)	µg/L	18	0%	18	0.058	0.058	0.058	0.058	0.058	0.058	0	—	—	—	—	—	—	—	—	—	5840	—
		Dichloromethane	µg/L	18	11%	16	0.1	0.1	0.1	0.1	0.1	0.1	2	0.12	—	0.39	0.39	—	0.65	5	0	5	0	
		Dimethyl disulfide	µg/L	18	6%	17	0.27	0.27	0.27	0.27	0.27	0.27	1	1.8	—	1.8	1.8	—	1.8	—	—	—	—	—
		Ethanol	µg/L	18	0%	18	85	85	85	85	85	85	0	—	—	—	—	—	—	—	—	—	—	—
		Ethylbenzene	µg/L	18	11%	16	0.11	0.11	0.11	0.11	0.11	0.11	2	0.14	—	0.2	0.2	—	0.26	700	0	700	0	
		Isopropylbenzene	µg/L	18	0%	18	0.096	0.096	0.096	0.096	0.096	0.096	0	—	—	—	—	—	—	—	—	—	3440	—
		m,p-Xylene	µg/L	18	0%	18	0.19	0.19	0.19	0.19	0.19	0.19	0	—	—	—	—	—	—	—	—	—	42600	—
		Methyl ethyl ketone	µg/L	18	0%	18	0.83	0.83	0.83	0.83	0.83	0.83	0	—	—	—	—	—	—	—	—	—	21300	—
		Methyl iodide	µg/L	18	11%	16	0.091	0.091	0.091	0.091	0.091	0.091	2	0.33	—	0.34	0.34	—	0.35	—	—	—	—	—
		MTBE (Methyl tert-butyl ether)	µg/L	18	0%	18	0.098	0.098	0.098	0.098	0.098	0.098	0	—	—	—	—	—	—	—	—	—	35	—
		n-Butylbenzene	µg/L	18	0%	18	0.12	0.12	0.12	0.12	0.12	0.12	0	—	—	—	—	—	—	—	—	—	370	—
		n-Heptane	µg/L	18	0%	18	0.12	0.12	0.12	0.12	0.12	0.12	0	—	—	—	—	—	—	—	—	—	—	—
		Nonanal	µg/L	18	0%	18	1.2	1.2	1.2	1.2	1.2	1.2	0	—	—	—	—	—	—	—	—	—	—	—
		n-Propylbenzene	µg/L	18	0%	18	0.093	0.093	0.093	0.093	0.093	0.093	0	—	—	—	—	—	—	—	—	—	370	—
		o-Xylene	µg/L	18	11%	16	0.055	0.055	0.055	0.055	0.055	0.055	2	0.15	—	0.17	0.17	—	0.18	—	—	—	42600	0
		sec-Butylbenzene	µg/L	18	0%	18	0.085	0.085	0.085	0.085	0.085	0.085	0	—	—	—	—	—	—	—	—	—	370	—
		Styrene	µg/L	18	6%	17	0.042	0.042	0.042	0.042	0.042	0.042	1	0.057	—	0.057	0.057	—	0.057	100	0	100	0	
		tert-Butylbenzene	µg/L	18	0%	18	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	—	—	370	—
		Tetrachloroethene	µg/L	18	0%	18	0.065	0.065	0.065	0.065	0.065	0.065	0	—	—	—	—	—	—	5	—	5	—	
		Toluene	µg/L	18	17%	15	0.07	0.07	0.07	0.07	0.07	0.07	3	0.071	0.071	0.17	0.25	0.51	0.51	1000	0	1000	0	
		Total Trihalomethanes	µg/L	18	— ^c	—	—	—	—	—	—	—	18	0.26	0.26	0.26	0.81	0.36	7.4	80	0	—	—	
		trans-1,2-Dichloroethene	µg/L	18	0%	18	0.081	0.081	0.081	0.081	0.081	0.081	0	—	—	—	—	—	—	100	—	100	—	
trans-1,3-Dichloropropene	µg/L	18	0%	18	0.23	0.23	0.23	0.23	0.23	0.23	0	—	—	—	—	—	—	—	—	—	—			
Trichloroethene	µg/L	18	0%	18	0.091	0.091	0.091	0.091	0.091	0.091	0	—	—	—	—	—	—	5	—	5	—			
Trichlorofluoromethane (Freon-11)	µg/L	18	0%	18	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	—	—	9890	—		
Vinyl acetate	µg/L	18	0%	18	0.23	0.23	0.23	0.23	0.23	0.23	0	—	—	—	—	—	—	—	—	—	16200	—		
Vinyl chloride	µg/L	18	11%	16	0.091	0.091	0.091	0.091	0.091	0.091	2	0.092	—	0.13	0.13	—	0.16	2	0	2	0			
Xylenes (total)	µg/L	18	0%	18	0.22	0.22	0.22	0.22	0.22	0.22	0	—	—	—	—	—	—	10000	—	10000	—			
Water quality parameters	No	Bicarbonate alkalinity	mg/L	18	100%	0	—	—	—	—	—	18	51	71	97	99	130	186	—	—	—	—		
		Carbonate alkalinity	mg/L	18	6%	17	0.31	0.31	0.31	0.31	0.31	1	120	—	120	120	—	120	—	—	—	—		
		Conductivity	µmhos/cm	18	100%	0	—	—	—	—	—	18	1090	3700	32000	51000	100000	155000	—	—	—	—		
		Hardness	mg/L	18	100%	0	—	—	—	—	—	18	96.8	1600	10000	19000	33000	64200	—	—	—	—		
		Hydroxide alkalinity	mg/L	18	0%	18	0.31	0.31	0.31	0.31	0.31	0	—	—	—	—	—	—	—	—	—	—		
		pH	none	18	100%	0	—	—	—	—	—	18	6	7.3	7.4	7.4	7.6	8.8	—	—	—	—		
		Total alkalinity	mg/L	18	100%	0	—	—	—	—	—	18	51	71	97	110	130	306	—	—	—	—		
		Total dissolved solids	mg/L	18	100%	0	—	—	—	—	—	18	1000	2600	29000	54000	97000	180000	500	18	—	—		
		Total inorganic carbon	mg/L	18	100%	0	—	—	—	—	—	18	8.6	14	20	22	27	47.6	—	—	—	—		
		Total organic carbon	mg/L	18	83%	3	0.22	0.22	0.22	0.22	0.22	15	0.24	0.98	3.3	5.2	9.1	15.7	—	—	—	—		
		Total suspended solids	mg/L	18	100%	0	—	—	—	—	—	18	2	5	25	85	83	706	—	—	—	—		
		Water quality parameters	Yes	Bicarbonate alkalinity	mg/L	18	100%	0	—	—	—	—	18	52	69	96	110	130	346	—	—	—	—	
				Carbonate alkalinity	mg/L	18	6%	17	0.31	0.31	0.31	0.31	0.31	1	119	—	120	120	—	119	—	—	—	

**Table 11. Summary of Groundwater Sample Results: Middle Zone
2009 Groundwater Monitoring Event
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Filtered?	Compound List	Units	Total Count	Detection Frequency	Censored (Non-Detect) Data						Detected Data ^a						MCL	Number of Detections > MCL	Water BCL ^b	Number of Detections > BCL			
						Count	Min	Q1 ^b	Median ^b	Mean ^b	Q3 ^b	Max	Count	Min	Q1 ^b	Median ^b	Mean ^b					Q3 ^b	Max	
Water quality parameters (cont.)	Yes	Conductivity	µmhos/cm	8	100%	0	—	—	—	—	—	—	8	3210	30000	77000	79000	130000	155000	—	—	—	—	
		Hydroxide alkalinity	mg/L	18	0%	18	0.31	0.31	0.31	0.31	0.31	0.31	0	—	—	—	—	—	—	—	—	—	—	—
		Total alkalinity	mg/L	18	100%	0	—	—	—	—	—	—	18	52	69	96	110	140	346	—	—	—	—	—

BCL = Basic Comparison Levels (BCLs) from NDEP, 2009b.

Max = Maximum

Min = Minimum

Q1 = 1st quartile (25th percentile)

Q3 = 3rd quartile (75th percentile)

— = Not applicable or no value has been established.

^a Range of detections include estimated values of detect results between the detection limit and reporting limit. As such, some minimum detected concentrations may be below the minimum reporting limit. In these cases the respective sample results are flagged in the dataset.

^b Values are rounded to 2 significant figures.

^c Total trihalomethanes are calculated from the sum of bromodichloromethane, bromoform, chloroform, and dibromochloromethane. Radium-226/228 are calculated from the sum of radium-226 and radium-228. Therefore, the number of detections and non-detections, and a

^d Because both non-detected and detected radionuclides have reported activity levels, calculated summary statistics (and exceedances of comparison levels) are presented as detected regardless of the laboratory detection flag. Laboratory detection flags are represented by

**Table 12. Summary of Groundwater Sample Results: Deep Zone
2009 Groundwater Monitoring Event
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Filtered?	Compound List	Units	Total Count	Detection Frequency	Censored (Non-Detect) Data						Detected Data ^a						MCL	Number of Detections > MCL	Water BCL ^b	Number of Detections > BCL		
						Count	Min	Q1 ^b	Median ^b	Mean ^b	Q3 ^b	Max	Count	Min	Q1 ^b	Median ^b	Mean ^b					Q3 ^b	Max
General chemistry	No	Ammonia	µg/L	27	96%	1	8.1	—	8.1	8.1	—	8.1	26	15.1	390	6100	9500	16000	25900	—	—	200	22
		Bromide	mg/L	27	48%	14	2.6	2.6	2.6	2.6	2.6	2.6	13	0.14	0.18	0.29	1.4	2.5	6.1	—	—	—	—
		Bromine	mg/L	27	48%	14	50	50	50	50	50	50	13	0.29	0.36	0.58	2.7	5	12.2	—	—	—	—
		Chlorate	mg/L	27	0%	27	0.047	0.047	4.7	3	4.7	4.7	0	—	—	—	—	—	—	—	—	—	—
		Chloride	mg/L	27	100%	0	—	—	—	—	—	—	27	89.8	600	16000	34000	62000	114000	—	—	—	—
		Chlorine	mg/L	27	100%	0	—	—	—	—	—	—	27	180	1200	33000	69000	120000	228000	4	27	4	27
		Chlorite	µg/L	27	15%	23	8	80	400	810	2000	2000	4	810	840	1100	1200	1800	1900	1000	2	—	—
		Cyanide, total	µg/L	27	0%	27	3.5	3.5	3.5	3.5	3.5	3.5	0	—	—	—	—	—	—	200	—	200	—
		Fluoride	mg/L	27	37%	17	0.1	1	1	0.95	1	1	10	0.2	0.25	0.56	0.55	0.82	1	4	0	4	0
		Iodide	mg/L	27	0%	27	0.3	0.3	6	6.8	15	15	0	—	—	—	—	—	—	—	—	—	—
		Ion balance difference	Pct	27	— ^c	—	—	—	—	—	—	—	27	0.08	2.4	4.3	4.8	6.9	14.2	—	—	—	—
		Nitrate	mg/L	27	15%	23	0.005	0.005	0.5	0.35	0.5	0.5	4	0.5	0.61	0.98	1.2	1.9	2.2	10	0	10	0
		Nitrite	mg/L	27	0%	27	0.003	0.06	6	3.2	6	6	0	—	—	—	—	—	—	1	—	1	—
		Orthophosphate	mg/L	27	0%	27	0.05	0.05	5	3.3	5	5	0	—	—	—	—	—	—	—	—	—	—
		Perchlorate	µg/L	27	37%	17	0.02	0.2	0.4	0.81	1.5	2	10	0.031	0.14	0.95	4.1	6.9	17	—	—	18	0
		Sulfate	mg/L	27	100%	0	—	—	—	—	—	—	27	183	3400	15000	27000	55000	75100	—	—	—	—
	Sulfide	mg/L	27	15%	23	0.083	0.083	0.083	0.083	0.083	0.083	4	0.4	1.5	5	3.9	5.2	5.2	—	—	—	—	
	Total Kjeldahl nitrogen	mg/L	26	88%	3	0.25	0.25	0.25	0.25	0.25	0.25	23	0.29	1.8	6.1	7.7	12	19.3	—	—	—	—	
	Yes	Bromide	mg/L	27	48%	14	2.6	2.6	2.6	2.6	2.6	13	0.16	0.2	0.29	1.4	2.4	6.9	—	—	—	—	
		Bromine	mg/L	27	52%	13	50	50	50	50	50	14	0.32	0.42	0.62	2.9	5.4	13.8	—	—	—	—	
		Chlorate	mg/L	27	0%	27	0.047	0.047	4.7	3	4.7	4.7	0	—	—	—	—	—	—	—	—	—	
		Chloride	mg/L	27	100%	0	—	—	—	—	—	—	27	90.5	620	16000	34000	62000	106000	—	—	—	—
		Chlorine	mg/L	27	100%	0	—	—	—	—	—	—	27	181	1300	33000	68000	120000	212000	4	27	4	27
		Chlorite	µg/L	27	7%	25	8	80	400	790	2000	2000	2	1400	—	1700	1700	—	2000	1000	2	—	—
Fluoride		mg/L	27	33%	18	0.1	1	1	0.95	1	1	9	0.16	0.26	0.41	0.5	0.79	0.84	4	0	4	0	
Iodide		mg/L	27	0%	27	0.3	0.3	6	6.8	15	15	0	—	—	—	—	—	—	—	—	—	—	
Metals	No	Aluminum	µg/L	27	30%	19	3.6	36	36	110	150	362	8	40.6	50	100	210	220	883	—	—	36500	0
		Antimony	µg/L	27	0%	27	0.07	0.7	0.7	1.7	1.4	7	0	—	—	—	—	—	—	6	—	6	—
		Arsenic	µg/L	27	96%	1	21	—	21	21	—	21	26	1.8	14	19	23	33	55.2	10	22	10	22
		Barium	µg/L	27	100%	0	—	—	—	—	—	—	27	16.5	23	31	42	49	142	2000	0	2000	0
		Beryllium	µg/L	27	0%	27	0.08	0.8	0.8	2.2	3.2	8	0	—	—	—	—	—	—	4	—	4	—
		Boron	µg/L	27	100%	0	—	—	—	—	—	—	27	660	3000	10000	9100	13000	18500	—	—	7300	18
		Cadmium	µg/L	27	48%	14	0.04	0.35	0.4	1.4	2.5	4	13	0.096	0.57	3	2.4	3.9	4.9	5	0	5	0
		Calcium	µg/L	27	100%	0	—	—	—	—	—	—	27	21200	440000	510000	660000	570000	2670000	—	—	—	—
		Chromium (total)	µg/L	27	37%	17	0.5	5	10	16	23	50	10	6	7.5	8.7	22	19	108	100	1	100	1
		Chromium (VI)	µg/L	26	8%	24	0.75	1.5	3	5.7	3	30	2	34	—	36	36	—	38	100	0	100	0
		Cobalt	µg/L	27	30%	19	0.01	0.1	0.1	0.28	0.4	1	8	0.33	0.47	1.1	0.9	1.2	1.3	—	—	11	0
		Copper	µg/L	27	7%	25	0.56	5.6	5.6	14	17	56	2	6.9	—	8.1	8.1	—	9.2	1300	0	1360	0
		Iron	µg/L	27	89%	3	47.7	48	480	330	480	477	24	140	2100	4300	4700	6300	12600	—	—	25600	0
		Lead	µg/L	27	4%	26	0.18	1.8	1.8	4.5	4.5	18	1	0.26	—	0.26	0.26	—	0.26	15	0	15	0
		Lithium	µg/L	27	96%	1	13	—	13	13	—	13	26	14.6	1800	25000	28000	46000	77600	—	—	73	25
		Magnesium	µg/L	27	100%	0	—	—	—	—	—	—	27	6490	160000	3000000	5300000	9300000	1.6E+07	—	—	207000	19
Manganese	µg/L	27	96%	1	3.1	—	3.1	3.1	—	3.1	26	1.9	250	900	1200	1200	5720	—	—	510	17		
Mercury	µg/L	24	13%	21	0.027	0.027	0.027	0.027	0.027	0.027	3	0.028	0.028	0.034	0.034	0.041	0.041	2	0	10.95	0		

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Parameter of Interest	Filtered?	Compound List	Units	Total Count	Detection Frequency	Censored (Non-Detect) Data						Detected Data ^a						MCL	Number of Detections > MCL	Water BCL ^b	Number of Detections > BCL			
						Count	Min	Q1 ^b	Median ^b	Mean ^b	Q3 ^b	Max	Count	Min	Q1 ^b	Median ^b	Mean ^b					Q3 ^b	Max	
Metals (cont.)	No	Molybdenum	µg/L	27	100%	0	—	—	—	—	—	—	27	9.2	64	410	810	1700	3040	—	—	180	17	
		Nickel	µg/L	27	78%	6	12	12	23	22	30	30	21	2.5	6.8	8.9	13	18	42.5	—	—	730	0	
		Potassium	µg/L	27	100%	0	—	—	—	—	—	—	27	10100	160000	3600000	5000000	8700000	1.7E+07	—	—	—	—	
		Selenium	µg/L	27	26%	20	0.7	7	11	19	25	70	7	6.6	9.7	43	51	88	127	50	3	50	3	
		Silver	µg/L	27	4%	26	0.015	0.15	0.15	0.37	0.38	1.5	1	0.18	—	0.18	0.18	—	0.18	—	—	180	0	
		Sodium	µg/L	27	100%	0	—	—	—	—	—	—	27	166000	1000000	1.5E+07	1.9E+07	3.4E+07	6E+07	—	—	—	—	
		Strontium	µg/L	27	100%	0	—	—	—	—	—	—	27	437	3600	11000	14000	14000	62200	—	—	21900	3	
		Thallium	µg/L	27	0%	27	0.02	0.2	0.2	0.48	0.4	2	0	—	—	—	—	—	—	2	—	2	—	
		Tin	µg/L	27	22%	21	0.17	1.7	1.7	4.8	6.8	17	6	0.94	1.7	2.5	2.3	2.9	3.2	—	—	21900	0	
		Titanium	µg/L	27	59%	11	0.6	3	3	3.6	3	11.9	16	3	5.9	10	10	14	20.3	—	—	146000	0	
		Tungsten	µg/L	27	0%	27	0.022	0.22	0.22	0.52	0.44	2.2	0	—	—	—	—	—	—	—	—	270	—	
		Uranium	µg/L	27	63%	10	0.1	0.2	0.6	0.89	2	2	17	0.069	1	1.5	2.1	2.2	9.5	30	0	30	0	
		Vanadium	µg/L	27	26%	20	0.28	1.4	1.4	4.1	5.6	14	7	0.14	2.2	4.2	8.2	18	19.2	—	—	180	0	
		Zinc	µg/L	27	26%	20	2	20	20	56	80	200	7	14.5	22	59	150	200	629	—	—	11000	0	
	Yes	Calcium	µg/L	27	100%	0	—	—	—	—	—	27	21200	450000	500000	650000	560000	2570000	—	—	—	—		
		Magnesium	µg/L	27	100%	0	—	—	—	—	—	27	6480	160000	3000000	5300000	1E+07	1.7E+07	—	—	207000	19		
		Potassium	µg/L	27	100%	0	—	—	—	—	—	27	10000	170000	3600000	5000000	8400000	1.6E+07	—	—	—	—		
		Sodium	µg/L	27	100%	0	—	—	—	—	—	27	167000	1000000	1.5E+07	1.9E+07	3.8E+07	5.8E+07	—	—	—	—		
Organochlorine pesticides	No	2,4'-DDD	µg/L	26	0%	26	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	—		
		2,4'-DDE	µg/L	26	0%	26	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	—		
		4,4'-DDD	µg/L	26	0%	26	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	0.28	—	
		4,4'-DDE	µg/L	26	0%	26	0.02	0.02	0.02	0.02	0.02	0	—	—	—	—	—	—	—	—	—	0.2	—	
		4,4'-DDT	µg/L	26	0%	26	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	0.2	—	
		Aldrin	µg/L	26	0%	26	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	0.004	—	
		alpha-BHC	µg/L	26	0%	26	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	0.011	—	
		alpha-Chlordane	µg/L	26	0%	26	0.02	0.02	0.02	0.02	0.02	0.02	0	—	—	—	—	—	—	—	—	—	—	
		beta-BHC	µg/L	26	0%	26	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	0.037	—	
		Chlordane	µg/L	26	0%	26	0.04	0.04	0.04	0.04	0.04	0.04	0	—	—	—	—	—	—	2	—	2	—	
		delta-BHC	µg/L	26	0%	26	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	—	
		Dieldrin	µg/L	26	0%	26	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	0.0042	—	
		Endosulfan I	µg/L	26	0%	26	0.02	0.02	0.02	0.02	0.02	0.02	0	—	—	—	—	—	—	—	—	—	—	
		Endosulfan II	µg/L	26	0%	26	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	—	
		Endosulfan sulfate	µg/L	26	0%	26	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	—	
		Endrin	µg/L	26	0%	26	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	2	—	2	—
		Endrin aldehyde	µg/L	26	0%	26	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	—	
		Endrin ketone	µg/L	26	0%	26	0.02	0.02	0.02	0.02	0.02	0.02	0	—	—	—	—	—	—	—	—	—	—	
		gamma-BHC (Lindane)	µg/L	26	0%	26	0.003	0.003	0.003	0.003	0.003	0.003	0	—	—	—	—	—	—	0.2	—	0.2	—	
		gamma-Chlordane	µg/L	26	0%	26	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	—	—	—	
Heptachlor	µg/L	26	0%	26	0.003	0.003	0.003	0.003	0.003	0.003	0	—	—	—	—	—	—	—	0.4	—	0.4	—		
Heptachlor epoxide	µg/L	26	0%	26	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	0.2	—	0.2	—		
Methoxychlor	µg/L	26	0%	26	0.01	0.01	0.01	0.01	0.01	0.01	0	—	—	—	—	—	—	—	40	—	40	—		
Toxaphene	µg/L	26	0%	26	0.66	0.66	0.66	0.66	0.66	0.66	0	—	—	—	—	—	—	—	3	—	3	—		
Radionuclides ^d	No	Delta-D	Pct	7	100%	0	—	—	—	—	—	7	-100.6	-78	-67	-73	-65	-64.1	—	—	—	—		
		Delta-O	Pct	7	100%	0	—	—	—	—	—	7	-12.73	-6.6	-3.5	-5.4	-3.5	-3.19	—	—	—	—		
		Radium-226	pCi/L	27	89%	3	—	—	—	—	—	24	0.0995	0.81	1.6	4.6	4.2	24.9	—	—	—	—		
		Radium-226/228	pCi/L	27	— ^c	—	—	—	—	—	—	27	0.664	1.6	4.5	8.7	9.9	40.4	5	10	—	—		
		Radium-228	pCi/L	27	70%	8	—	—	—	—	—	19	-0.413	0.75	2.6	4.1	5.7	15.5	—	—	—	—		
		Thorium-228	pCi/L	27	7%	25	—	—	—	—	—	2	-0.391	-0.071	0.0055	0.11	0.28	0.909	—	—	—	—		
		Thorium-230	pCi/L	27	15%	23	—	—	—	—	—	4	-0.363	-0.084	0.00046	0.12	0.33	1	—	—	—	—		

**Table 12. Summary of Groundwater Sample Results: Deep Zone
2009 Groundwater Monitoring Event
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Filtered?	Compound List	Units	Total Count	Detection Frequency	Censored (Non-Detect) Data						Detected Data ^a						MCL	Number of Detections > MCL	Water BCL ^b	Number of Detections > BCL					
						Count	Min	Q1 ^b	Median ^b	Mean ^b	Q3 ^b	Max	Count	Min	Q1 ^b	Median ^b	Mean ^b					Q3 ^b	Max			
Radionuclides ^d (cont.)	No	Thorium-232	pCi/L	27	0%	27	—	—	—	—	—	—	0	-0.327	-0.06	-0.017	-0.032	0.028	0.112	—	—	—	—			
		Uranium-233/234	pCi/L	27	56%	12	—	—	—	—	—	—	15	0.0673	0.26	0.71	0.97	1.4	4.65	—	—	—	—			
		Uranium-235/236	pCi/L	27	4%	26	—	—	—	—	—	—	1	-0.246	-0.042	0.07	0.057	0.13	0.253	—	—	—	—			
		Uranium-238	pCi/L	27	48%	14	—	—	—	—	—	—	13	-0.0629	0.21	0.41	0.6	0.78	4.17	—	—	—	—			
Volatile organic compounds	No	1,1,1,2-Tetrachloroethane	µg/L	27	0%	27	0.16	0.16	0.16	0.16	0.16	0.16	0	—	—	—	—	—	—	—	—	—	2.3	—		
		1,1,1-Trichloroethane	µg/L	27	0%	27	0.088	0.088	0.088	0.088	0.088	0.088	0	—	—	—	—	—	—	—	200	—	—	200	—	
		1,1,2,2-Tetrachloroethane	µg/L	27	0%	27	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	—	—	—	0.3	—	
		1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	27	0%	27	0.12	0.12	0.12	0.12	0.12	0.12	0	—	—	—	—	—	—	—	—	—	—	876000	—	
		1,1,2-Trichloroethane	µg/L	27	0%	27	0.071	0.071	0.071	0.071	0.071	0.071	0	—	—	—	—	—	—	—	5	—	—	5	—	
		1,1-Dichloroethane	µg/L	27	0%	27	0.083	0.083	0.083	0.083	0.083	0.083	0	—	—	—	—	—	—	—	—	—	—	12	—	
		1,1-Dichloroethene	µg/L	27	0%	27	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	7	—	—	7	—	
		1,1-Dichloropropene	µg/L	27	0%	27	0.068	0.068	0.068	0.068	0.068	0.068	0	—	—	—	—	—	—	—	—	—	—	—	—	
		1,2,3-Trichlorobenzene	µg/L	27	0%	27	0.16	0.16	0.16	0.16	0.16	0.16	0	—	—	—	—	—	—	—	—	—	—	—	—	
		1,2,3-Trichloropropane	µg/L	27	0%	27	0.23	0.23	0.23	0.23	0.23	0.23	0	—	—	—	—	—	—	—	—	—	—	—	0.034	—
		1,2,4-Trichlorobenzene	µg/L	27	0%	27	0.16	0.16	0.16	0.16	0.16	0.16	0	—	—	—	—	—	—	—	70	—	—	70	—	
		1,2,4-Trimethylbenzene	µg/L	27	0%	27	0.062	0.062	0.062	0.062	0.062	0.062	0	—	—	—	—	—	—	—	—	—	—	51	—	
		1,2-Dibromo-3-chloropropane (DBCP)	µg/L	27	0%	27	0.2	0.2	0.2	0.2	0.2	0.2	0	—	—	—	—	—	—	—	0.2	—	—	0.2	—	
		1,2-Dichlorobenzene	µg/L	27	0%	27	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	600	—	—	600	—	
		1,2-Dichloroethane	µg/L	27	0%	27	0.05	0.05	0.05	0.05	0.05	0.05	0	—	—	—	—	—	—	—	5	—	—	5	—	
		1,2-Dichloroethene (total)	µg/L	27	0%	27	0.21	0.21	0.21	0.21	0.21	0.21	0	—	—	—	—	—	—	—	—	—	—	—	—	
		1,2-Dichloropropane	µg/L	27	0%	27	0.054	0.054	0.054	0.054	0.054	0.054	0	—	—	—	—	—	—	—	5	—	—	5	—	
		1,3,5-Trichlorobenzene	µg/L	27	0%	27	0.12	0.12	0.12	0.12	0.12	0.12	0	—	—	—	—	—	—	—	—	—	—	—	—	
		1,3,5-Trimethylbenzene	µg/L	27	0%	27	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	—	—	—	590	—	
		1,3-Dichlorobenzene	µg/L	27	0%	27	0.081	0.081	0.081	0.081	0.081	0.081	0	—	—	—	—	—	—	—	—	—	—	110	—	
		1,3-Dichloropropane	µg/L	27	0%	27	0.053	0.053	0.053	0.053	0.053	0.053	0	—	—	—	—	—	—	—	—	—	—	730	—	
		1,4-Dichlorobenzene	µg/L	27	0%	27	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	75	—	—	75	—	
		2,2,3-Trimethylbutane	µg/L	27	0%	27	0.23	0.23	0.23	0.23	0.23	0.23	0	—	—	—	—	—	—	—	—	—	—	—	—	
		2,2-Dichloropropane	µg/L	27	0%	27	0.1	0.1	0.1	0.1	0.1	0.1	0	—	—	—	—	—	—	—	—	—	—	—	—	
		2,2-Dimethylpentane	µg/L	27	0%	27	0.16	0.16	0.16	0.16	0.16	0.16	0	—	—	—	—	—	—	—	—	—	—	—	—	
		2,3-Dimethylpentane	µg/L	27	0%	27	0.18	0.18	0.18	0.18	0.18	0.18	0	—	—	—	—	—	—	—	—	—	—	—	—	
		2,4-Dimethylpentane	µg/L	27	0%	27	0.19	0.19	0.19	0.19	0.19	0.19	0	—	—	—	—	—	—	—	—	—	—	—	—	
		2-Chlorotoluene	µg/L	27	0%	27	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	—	—	—	730	—	
		2-Hexanone	µg/L	27	0%	27	1.3	1.3	1.3	1.3	1.3	1.3	0	—	—	—	—	—	—	—	—	—	—	—	—	
		2-Methylhexane	µg/L	27	0%	27	0.15	0.15	0.15	0.15	0.15	0.15	0	—	—	—	—	—	—	—	—	—	—	—	—	
		2-Nitropropane	µg/L	27	0%	27	1.1	1.1	1.1	1.1	1.1	1.1	0	—	—	—	—	—	—	—	—	—	—	0.0063	—	
		3,3-Dimethylpentane	µg/L	27	0%	27	0.2	0.2	0.2	0.2	0.2	0.2	0	—	—	—	—	—	—	—	—	—	—	—	—	
		3-Ethylpentane	µg/L	27	0%	27	0.089	0.089	0.089	0.089	0.089	0.089	0	—	—	—	—	—	—	—	—	—	—	—	—	
		3-Methylhexane	µg/L	27	0%	27	0.17	0.17	0.17	0.17	0.17	0.17	0	—	—	—	—	—	—	—	—	—	—	—	—	
		4-Chlorotoluene	µg/L	27	0%	27	0.095	0.095	0.095	0.095	0.095	0.095	0	—	—	—	—	—	—	—	—	—	—	—	—	
		4-Methyl-2-pentanone	µg/L	27	19%	22	0.32	0.32	0.32	0.32	0.32	0.32	5	0.51	0.6	0.69	0.94	1.4	2	—	—	—	—	2900	0	
Acetone	µg/L	27	44%	15	0.42	0.42	0.42	0.42	0.42	0.42	12	1.1	1.7	5.4	11	19	34	—	—	—	—	32600	0			
Acetonitrile	µg/L	27	0%	27	4.2	4.2	4.2	4.2	4.2	4.2	0	—	—	—	—	—	—	—	—	—	—	440	—			
Benzene	µg/L	27	59%	11	0.06	0.06	0.06	0.06	0.06	0.06	16	0.15	0.63	0.82	0.82	1	1.6	5	0	—	—	5	0			
Bromobenzene	µg/L	27	0%	27	0.084	0.084	0.084	0.084	0.084	0.084	0	—	—	—	—	—	—	—	—	—	—	490	—			
Bromodichloromethane	µg/L	27	0%	27	0.098	0.098	0.098	0.098	0.098	0.098	0	—	—	—	—	—	—	—	—	—	—	1.1	—			
Bromoform	µg/L	27	0%	27	0.15	0.15	0.15	0.15	0.15	0.15	0	—	—	—	—	—	—	—	—	—	—	8.5	—			
Bromomethane	µg/L	27	11%	24	0.096	0.096	0.096	0.096	0.096	0.096	3	0.16	0.16	0.19	0.24	0.37	0.37	—	—	—	—	48	0			
Carbon disulfide	µg/L	27	0%	27	0.52	0.52	0.52	0.52	0.52	0.52	0	—	—	—	—	—	—	—	—	—	—	3520	—			
Carbon tetrachloride	µg/L	27	0%	27	0.073	0.073	0.073	0.073	0.073	0.073	0	—	—	—	—	—	—	—	5	—	—	5	—			

**Table 12. Summary of Groundwater Sample Results: Deep Zone
2009 Groundwater Monitoring Event
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Filtered?	Compound List	Units	Total Count	Detection Frequency	Censored (Non-Detect) Data						Detected Data ^a						MCL	Number of Detections > MCL	Water BCL ^b	Number of Detections > BCL				
						Count	Min	Q1 ^b	Median ^b	Mean ^b	Q3 ^b	Max	Count	Min	Q1 ^b	Median ^b	Mean ^b					Q3 ^b	Max		
Volatile organic compounds (cont.)	No	Chlorobenzene	µg/L	27	0%	27	0.06	0.06	0.06	0.06	0.06	0.06	0	—	—	—	—	—	—	100	—	100	—		
		Chlorobromomethane	µg/L	27	0%	27	0.12	0.12	0.12	0.12	0.12	0.12	0	—	—	—	—	—	—	—	—	—	—	—	
		Chlorodibromomethane	µg/L	27	0%	27	0.21	0.21	0.21	0.21	0.21	0.21	0	—	—	—	—	—	—	—	—	—	0.7	—	
		Chloroethane	µg/L	27	7%	25	0.085	0.085	0.085	0.085	0.085	0.085	2	0.14	—	0.18	0.18	—	0.21	—	—	—	23	0	
		Chloroform	µg/L	27	11%	24	0.067	0.067	0.067	0.067	0.067	0.067	3	0.069	0.069	0.44	0.48	0.93	0.93	—	—	—	1.6	0	
		Chloromethane	µg/L	27	37%	17	0.086	0.086	0.086	0.086	0.086	0.086	10	0.16	0.2	0.24	0.26	0.31	0.45	—	—	—	81	0	
		cis-1,2-Dichloroethene	µg/L	27	0%	27	0.14	0.14	0.14	0.14	0.14	0.14	0	—	—	—	—	—	—	—	70	—	70	—	
		cis-1,3-Dichloropropene	µg/L	27	0%	27	0.099	0.099	0.099	0.099	0.099	0.099	0	—	—	—	—	—	—	—	—	—	—	—	—
		Cymene (Isopropyltoluene)	µg/L	27	0%	27	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	—	—	—	—	—
		Dibromomethane	µg/L	27	0%	27	0.095	0.095	0.095	0.095	0.095	0.095	0	—	—	—	—	—	—	—	—	—	—	370	—
		Dichlorodifluoromethane (Freon-12)	µg/L	27	0%	27	0.058	0.058	0.058	0.058	0.058	0.058	0	—	—	—	—	—	—	—	—	—	—	5840	—
		Dichloromethane	µg/L	27	0%	27	0.1	0.1	0.1	0.1	0.1	0.1	0	—	—	—	—	—	—	—	—	—	5	—	—
		Dimethyl disulfide	µg/L	27	0%	27	0.27	0.27	0.27	0.27	0.27	0.27	0	—	—	—	—	—	—	—	—	—	—	—	—
		Ethanol	µg/L	27	0%	27	85	85	85	85	85	85	0	—	—	—	—	—	—	—	—	—	—	—	—
		Ethylbenzene	µg/L	27	4%	26	0.11	0.11	0.11	0.11	0.11	0.11	1	0.69	—	0.69	0.69	—	0.69	700	0	700	0	700	0
		Isopropylbenzene	µg/L	27	0%	27	0.096	0.096	0.096	0.096	0.096	0.096	0	—	—	—	—	—	—	—	—	—	—	3440	—
		m,p-Xylene	µg/L	27	0%	27	0.19	0.19	0.19	0.19	0.19	0.19	0	—	—	—	—	—	—	—	—	—	—	42600	—
		Methyl ethyl ketone	µg/L	27	4%	26	0.83	0.83	0.83	0.83	0.83	0.83	1	32	—	32	32	—	32	—	—	—	—	21300	0
		Methyl iodide	µg/L	27	15%	23	0.091	0.091	0.091	0.091	0.091	0.091	4	0.16	0.21	0.37	0.34	0.44	0.46	—	—	—	—	—	—
		MTBE (Methyl tert-butyl ether)	µg/L	27	0%	27	0.098	0.098	0.098	0.098	0.098	0.098	0	—	—	—	—	—	—	—	—	—	—	35	—
		n-Butylbenzene	µg/L	27	0%	27	0.12	0.12	0.12	0.12	0.12	0.12	0	—	—	—	—	—	—	—	—	—	—	370	—
		n-Heptane	µg/L	27	0%	27	0.12	0.12	0.12	0.12	0.12	0.12	0	—	—	—	—	—	—	—	—	—	—	—	—
		Nonanal	µg/L	27	0%	27	1.2	1.2	1.2	1.2	1.2	1.2	0	—	—	—	—	—	—	—	—	—	—	—	—
		n-Propylbenzene	µg/L	27	0%	27	0.093	0.093	0.093	0.093	0.093	0.093	0	—	—	—	—	—	—	—	—	—	—	370	—
		o-Xylene	µg/L	27	0%	27	0.055	0.055	0.055	0.055	0.055	0.055	0	—	—	—	—	—	—	—	—	—	—	42600	—
		sec-Butylbenzene	µg/L	27	0%	27	0.085	0.085	0.085	0.085	0.085	0.085	0	—	—	—	—	—	—	—	—	—	—	370	—
		Styrene	µg/L	27	19%	22	0.042	0.042	0.042	0.042	0.042	0.042	5	0.044	0.059	0.08	0.074	0.088	0.092	100	0	100	0	100	0
		tert-Butylbenzene	µg/L	27	0%	27	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	—	—	—	370	—
		Tetrachloroethene	µg/L	27	0%	27	0.065	0.065	0.065	0.065	0.065	0.065	0	—	—	—	—	—	—	—	—	—	—	5	—
		Toluene	µg/L	27	33%	18	0.07	0.07	0.07	0.07	0.07	0.07	9	0.083	0.13	0.15	0.14	0.16	0.19	1000	0	1000	0	1000	0
Total Trihalomethanes	µg/L	27	— ^c	—	—	—	—	—	—	—	27	0.26	0.26	0.26	0.31	0.26	1.2	80	0	—	—	—	—		
trans-1,2-Dichloroethene	µg/L	27	0%	27	0.081	0.081	0.081	0.081	0.081	0.081	0	—	—	—	—	—	—	—	—	—	—	100	—		
trans-1,3-Dichloropropene	µg/L	27	0%	27	0.23	0.23	0.23	0.23	0.23	0.23	0	—	—	—	—	—	—	—	—	—	—	—	—		
Trichloroethene	µg/L	27	0%	27	0.091	0.091	0.091	0.091	0.091	0.091	0	—	—	—	—	—	—	—	—	—	—	5	—		
Trichlorofluoromethane (Freon-11)	µg/L	27	0%	27	0.11	0.11	0.11	0.11	0.11	0.11	0	—	—	—	—	—	—	—	—	—	—	9890	—		
Vinyl acetate	µg/L	27	0%	27	0.23	0.23	0.23	0.23	0.23	0.23	0	—	—	—	—	—	—	—	—	—	—	16200	—		
Vinyl chloride	µg/L	27	22%	21	0.091	0.091	0.091	0.091	0.091	0.091	6	0.091	0.14	0.18	0.17	0.22	0.22	2	0	2	0	2	0		
Xylenes (total)	µg/L	27	0%	27	0.22	0.22	0.22	0.22	0.22	0.22	0	—	—	—	—	—	—	—	10000	—	—	10000	—		
Water quality parameters	No	Bicarbonate alkalinity	mg/L	27	100%	0	—	—	—	—	—	27	27.6	44	79	81	120	147	—	—	—	—	—	—	
		Carbonate alkalinity	mg/L	27	7%	25	0.31	0.31	0.31	0.31	0.31	2	32.8	—	67	67	—	102	—	—	—	—	—	—	
		Conductivity	µmhos/cm	27	100%	0	—	—	—	—	—	27	974	5600	77000	76000	140000	196000	—	—	—	—	—	—	—
		Hardness	mg/L	27	100%	0	—	—	—	—	—	27	79.7	1800	14000	21000	39000	66500	—	—	—	—	—	—	—
		Hydroxide alkalinity	mg/L	27	0%	27	0.31	0.31	0.31	0.31	0.31	0	—	—	—	—	—	—	—	—	—	—	—	—	—
		pH	none	27	100%	0	—	—	—	—	—	27	6	6.8	7.3	7.2	7.6	8.6	—	—	—	—	—	—	—
		Total alkalinity	mg/L	27	100%	0	—	—	—	—	—	27	27.6	44	81	86	120	249	—	—	—	—	—	—	—
		Total dissolved solids	mg/L	27	100%	0	—	—	—	—	—	27	600	5300	79000	90000	160000	188000	500	27	—	—	—	—	—
Total inorganic carbon	mg/L	27	100%	0	—	—	—	—	—	27	4.5	8.6	15	17	25	38.2	—	—	—	—	—	—	—		
Total organic carbon	mg/L	27	96%	1	0.22	—	0.22	0.22	—	0.22	26	0.29	0.7	2.5	3.3	5.5	9.3	—	—	—	—	—	—		
Total suspended solids	mg/L	27	100%	0	—	—	—	—	—	—	27	2	13	120	160	280	619	—	—	—	—	—	—		

**Table 12. Summary of Groundwater Sample Results: Deep Zone
2009 Groundwater Monitoring Event
BMI Common Areas (Eastside), Clark County, Nevada**

Parameter of Interest	Filtered?	Compound List	Units	Total Count	Detection Frequency	Censored (Non-Detect) Data						Detected Data ^a						MCL	Number of Detections > MCL	Water BCL ^b	Number of Detections > BCL			
						Count	Min	Q1 ^b	Median ^b	Mean ^b	Q3 ^b	Max	Count	Min	Q1 ^b	Median ^b	Mean ^b					Q3 ^b	Max	
Water quality parameters (cont.)	Yes	Bicarbonate alkalinity	mg/L	27	100%	0	—	—	—	—	—	—	27	28	45	76	79	120	162	—	—	—	—	
		Carbonate alkalinity	mg/L	27	7%	25	0.31	0.31	0.31	0.31	0.31	0.31	2	36	—	60	60	—	84.8	—	—	—	—	
		Conductivity	µmhos/cm	9	100%	0	—	—	—	—	—	—	9	3840	66000	79000	110000	170000	192000	—	—	—	—	
		Hydroxide alkalinity	mg/L	27	0%	27	0.31	0.31	0.31	0.31	0.31	0.31	0	—	—	—	—	—	—	—	—	—	—	—
		Total alkalinity	mg/L	27	100%	0	—	—	—	—	—	—	27	28	45	77	83	120	206	—	—	—	—	

BCL = Basic Comparison Levels (BCLs) from NDEP, 2009b.

Max = Maximum

Min = Minimum

Q1 = 1st quartile (25th percentile)

Q3 = 3rd quartile (75th percentile)

— = Not applicable or no value has been established.

^a Range of detections include estimated values of detect results between the detection limit and reporting limit. As such, some minimum detected concentrations may be below the minimum reporting limit. In these cases the respective sample results are flagged in the dataset.

^b Values are rounded to 2 significant figures.

^c Total trihalomethanes are calculated from the sum of bromodichloromethane, bromoform, chloroform, and dibromochloromethane. Radium-226/228 are calculated from the sum of radium-226 and radium-228. Therefore, the number of detections and non-detections, and a

^d Because both non-detected and detected radionuclides have reported activity levels, calculated summary statistics (and exceedances of comparison levels) are presented as detected regardless of the laboratory detection flag. Laboratory detection flags are represented by

**Table 13. Isotopic Data Results Summary
BMI Common Areas (Eastside) Groundwater Sampling
April–July 2008 and August–September 2009**

Location	Well	Water Bearing Zone	Screen Interval (ft bgs)		Date	Delta-D ^a (‰)	Delta-O ^b (‰)	Tritium (TU)
			Top	Bottom				
Western Hook	AA-08	Shallow	5	35	5/16/2008	-98.4	-13.24	5.18
	MCF-08B-R	Middle	116.5	136.5	7/23/2008	-100.6	-13.94	< 1
	MCF-17A	Deep	367	387	7/21/2008	-90.4	-11.85	< 1
East of Spray Wheel	MCF-16C	Shallow	53	73	5/19/2008	-102.7	-13.52	< 1
	MCF-16B	Middle	283.7	313.7	5/19/2008	-94	-12.28	< 1
	MCF-16A	Deep	364.5	384.5	5/19/2008	-95.3	-12.5	< 1
Near Pittman lateral	MCF-05	Middle	221	231	4/30/2008	-84.6	-9.5	< 1
	MCF-20A	Deep	360	380	7/18/2008	-78.9	-8.91	< 1
Southwestern Site boundary	AA-01	Shallow	29	49	4/22/2008	-94	-11.61	9.88
Southern Site boundary	MCF-02B	Middle	215	235	4/24/2008	-97.5	-12.72	< 1
Southwestern Site boundary	MCF-01A	Deep	335	355	4/28/2008	-94.8	-12.91	< 1
Southern Site boundary	MCF-02A	Deep	360	380	8/25/2009	-100.6	-12.73	NA
North Central Site boundary	MCF-06A-R	Deep	353	373	9/25/2009	-69.7	-4.76	NA
390 ft W-NW of COH RIBs	MCF-18A	Deep	380	400	9/25/2009	-65.0	-3.19	NA
390 ft W-NW of COH RIBs	MCF-18A (FD)	Deep	380	400	9/25/2009	-65.9	-3.52	NA
NW corner, Weston Hills property	MCF-29A	Deep	259.5	379.5	10/1/2009	-77.5	-6.59	NA
North central boundary of Tuscany	MCF-31A	Deep	361	381	10/1/2009	-66.5	-3.47	NA
NW corner of the Tuscany Village	MCF-30A	Deep	350	370	10/8/2009	-64.1	-3.50	NA
NW corner of the Tuscany Village	MCF-30A (ms/msd)	Deep	350	370	10/8/2009	-65.6	-3.59	NA

^a Delta²H – Stable Isotopes of Hydrogen (Deuterium [²H] to Protium [¹H])
^b Delta¹⁸O – Stable Isotopes of oxygen (¹⁸O/¹⁶O)

ft bgs = Feet below ground surface
‰ = Per mil relative to VSMOW
TU = Tritium unit (1 TU is equivalent to approximately 3.19 pCi/L)

< = Analyte detected below reporting limit shown
NA = Not analyzed

Table 13

Appendix A
Revisions to
Groundwater Monitoring Program

Appendix B

NDEP Comments and Text Revisions

Response to Nevada Division of Environmental Protection Comments, dated March 25, 2010, to 2009 Groundwater Monitoring Report, dated February 25, 2010, NDEP Facility ID# H-000688

1. General comment, regarding the cation-anion balances, BRC is not adhering to the NDEP guidance regarding significant figures for these calculations, please address this matter in all future Deliverables.

Response: A revised CAB table is included in the revised report with the significant figures adjusted as requested. Future deliverables will also adhere to the guidelines regarding significant figures.

2. General comment, the Adobe Acrobat version of this document that was provided was “secured”; please provide live files for all future Deliverables.

Response: The revised report and all future deliverables will be submitted as unlocked electronic files.

3. General comment, this Deliverable lacks a “Conclusions” or “Path Forward” section. This needs to be addressed in all Deliverables.

Response: A new section has been added to the revised report that outlines BRC’s proposed strategy for a “Path Forward” for water level monitoring and groundwater sampling. See also response to comment 5d.

4. Section 2.1, page 11, final bullet, please explain why the TIMET wells could not be accessed.

Response: The TIMET wells were accessible for water level monitoring; however, groundwater sampling was not conducted because TIMET will sample the wells and BRC will use those data going forward. The 2009 report has been revised to remove this text.

5. Section 3.1, page 21, NDEP has the following comments:
 - a. The groundwater elevation changes in the Deep Zone wells are significant and NDEP reiterates the request for BRC to consider more frequent monitoring of these water levels.
 - b. This information is critical for the calibration of the groundwater model; development of the conceptual site model (CSM) and development of the remedial alternative study (RAS) for site-wide groundwater.
 - c. At a minimum, quarterly groundwater level monitoring is recommended for the Deep Zone wells.

Response: Please see response to comment 3 and 5d. BRC notes that Deep Zone water elevation data are not used with the groundwater model; the groundwater modeling domain is constrained to the Shallow Zone.

- d. In addition, BRC's screening criteria for the discussion of water level changes is "greater than 50 feet". This seems like an arbitrarily high screening criteria. It is requested that BRC discuss this matter with the NDEP; mutually agree upon a more reasonable screening criteria; and provide a technical memorandum on this issue.

Response: BRC has modified the criteria (please see Section 4 of the report) Hopefully, NDEP will agree with the new criteria. BRC does not believe that a technical memorandum on this issue is warranted.

6. Section 3.2, page 22, as noted by NDEP in discussion with BRC, additional analytes need to be examined such as selenium and manganese due to regional concerns.

Response: The text has been revised to discuss selenium and manganese in groundwater. In addition, regional contour maps for these parameters are included in the revised 2009 report.

7. Section 3.2.1, page 23, this is a global comment that will not be repeated. It is requested that all discussion regarding chloroform instead be re-formatted to address total trihalomethanes (TTHMs) and the comparisons to the NDEP Basic Comparison Level (BCL) for chloroform be eliminated.

Response: The 2009 report has been revised to discuss TTHMs instead of chloroform. However, an evaluation of chloroform or other TTHM compounds may be included in the upcoming conceptual site model (CSM) report as appropriate to discuss potential anaerobic degradation of these and/or related compounds (such as carbon tetrachloride).

8. Section 3.2.1, page 24, please explain why BRC believes that anaerobic degradation of chloroform is occurring. Please clarify if this process is occurring on-site or off-site.

Response: The text discussed the anaerobic degradation of carbon tetrachloride, not chloroform. Chloroform detections may be indicative of the anaerobic degradation of carbon tetrachloride. The 2009 report text has been modified to omit a discussion of chloroform as requested (comment 7), but this concept will be further evaluated going forward into the CSM.

9. Section 3.2.1, pages 24 and 25, NDEP disagrees with BRC's characterization of the distribution of chloroform and carbon tetrachloride (CTET). Based upon NDEP's review of the Figures, it appears that there is both an on-site and off-site source of CTET. Alternately, the flushing mechanism provided by the Southern RIBs, TIMET Ponds and Spray Wheel may have created a separation where there was once a singular plume. This issue requires additional thought and discussion.

Response: The contour maps for chloroform have been replaced with maps for TTHMs split by Shallow Zone Layer 1 (wells screened in the Qal) and Shallow Zone Layer 2 (wells screened in the TMCf). The carbon tetrachloride maps have also been revised to split the Shallow Zone data

into Layer 1 and Layer 2. Additional data for the plants area have also been included. The Layer 1/Layer 2 maps provide greater clarity with respect to the areal and vertical distribution of these compounds. The concept of potential on-site/off-site source areas and flushing due to ponds, RIBs, and the Spray Wheel will be further evaluated going forward into the CSM.

10. Section 3.2.2, page 25, for consistency a discussion of USEPA MCLs (or lack thereof) should be included.

Response: No OCP compounds were detected above MCLs; a statement clarifying this point has been added to the revised 2009 report.

11. Section 3.2.11, page 31, NDEP notes that comments on stable isotope analyses were provided under separate cover and will not be repeated herein.

Response: Comment noted.

Responses to Nevada Division of Environmental Protection (NDEP) Comments, dated April 30, 2009, to *Technical Memorandum – Work Plan for Groundwater Sampling*, dated April 28, 2009
NDEP Facility ID# H-000688

1. Page 2, Site Hydrogeology, please refer to the NDEP's January 6, 2009 *Hydrogeologic and Lithologic Nomenclature Unification*.

Response: The January 6, 2009 nomenclature document has been included in the references section of the revised sampling plan and referenced in the Site Hydrogeology section.

2. Page 3, Site Hydrogeology, please insure that the re-designation of the four bulleted wells is addressed in the next quarterly update to the regional wells database.

Response: The re-designation will be included in the database update as requested.

3. Page 6, Water Quality Sampling and Analysis, NDEP does not concur with the list of analytes proposed by BRC in this Section. Additional comments are provided below. It appears that the discussion on this page is intended to be more generic than the discussion on page 9. NDEP will assume that the discussion on page 9 will dictate the analyses that are completed.

Response: The discussion on Page 6 is an overview of the specific analyses outlined on Page 9 and Tables 1 and 2. This has been clarified in the revised document.

4. Page 6, 2nd paragraph, 2nd sentence, please note that detection limits should not be a criterion for removing a well from the monitoring program.

Response: The text was intended to imply that a well could be removed from the program as long as, in part, detection limits have been appropriate during past sampling events. This has been clarified in the revised document.

5. Page 9, Well Maintenance and Inspections, paragraph at the top of the page, please note that there is an erroneous reference to the "fifth round groundwater monitoring report". NDEP expects that a new report will be generated to address the data collected by this work plan.

Response: The text has been revised accordingly.

6. Page 9, Analytical Program, please note that the list of analytes in this Section does not appear to agree with the list on Page 6 or Table 1. NDEP generally concurs with the proposal in this Section of the report; however, it lacks the necessary specificity. Tables 1 and 2 appear to provide the necessary specificity. NDEP has previously suggested that BRC consider measuring field alkalinity due to the continuing problems with the cation-anion balances. Please discuss this issue in the revised document.

Response: As noted in the response to Comment No.3, the discussion on Page 6 is an overview of the specific analyses outlined on Page 9 and Tables 1 and 2. This has been clarified in the revised document. The results of the cation-anion balances (CAB) completed for each of the five BRC groundwater sampling events have been reviewed in detail to try and determine why some analyses do not pass the balance criteria. The revised plan includes specific tasks that will be completed to help evaluate the CAB.

BRC's Piper and Stiff diagrams will be revised as needed based on new information concerning the CAB. Currently, no new information has been obtained to revised the CAB or the Piper and Stiff diagrams. The relatively high concentrations of chloride and sulfate dominate the CAB calculations. It appears that the acceptable analytical variability in the analysis of chloride or sulfate (over 5 percent) alone is large enough to cause a CAB failure. Missing cations or inaccurate alkalinity measurements do not appear to be a factor. The potential contribution to a revised CAB from these factors would be very small compared to how a revised sulfate or chloride concentration would revise the CAB. Also, the groundwater samples were not field-filtered before analysis, so suspended solids may be a factor in the CAB failures. Specific field and laboratory tasks outlined in the revised plan will be completed in the 2009 sampling event to evaluate the past CAB and TDS check failures. New CAB calculations and Piper and Stiff diagrams will be presented in the sampling report to NDEP using the new 2009 data. The details of the 2009 sampling event, and the procedures that will be followed to evaluate the past CAB failures (including field alkalinity measurements), are presented in the revised Eastside groundwater sampling plan.

7. Page 9, Analytical Program, 4th bullet, please note that "Ions" as listed in Table 2 would more correctly be listed as "Anions". Also, please note that ion balance is not an analytical suite.

Response: The revised document has been modified accordingly to clarify these issues.

8. Page 10, Analytical Program, please add wells MCF-29A, MCF-30A, and MCF-31A to the stable isotopes analyses program.

Response: The requested wells has been added to the analytical program.

9. Page 10, Analytical Program, last two paragraphs, the NDEP has the following comments:
- As noted numerous times in the past, it is necessary to indicate the approval status of referenced documents.

Response: Comment noted. The revised document has been modified accordingly.

- BRC should also be referencing the revised quality assurance project plan (QAPP) which should address the revised analytical methods proposed in the referenced "Resolution of Various Analytical Program Issues" document.

Response: Comment noted. The revised document has been modified accordingly.

10. Page 11, Data Evaluation, please also see NDEP Comment #7 above; cation-anion balance checks should be discussed in this section.

Response: The revised document has been modified accordingly.

11. Page 12, signature block and page 15, jurat, the document was not signed. Please note that Deliverables that are submitted without an executed jurat will be rejected without review in the future.

Response: Commented noted. BRC will sign future submittals for delivery to NDEP.

12. Table 1, the NDEP has the following comments:

a. To provide a contemporaneous data set, it is requested that all wells shown on Figures 1 through 3 be sampled for all of the analytes listed on Tables 1 and 2.

Response: The new 2009 wells will be sampled for the broad suite of analytical parameters consistent with the 5th round event. For the remaining wells, however, BRC believes that the existing data set need not be duplicated where parameters are consistently not detected (with acceptable detection limits) over several rounds of sampling, or where parameter concentrations are consistently stable. BRC has screened the existing data set to determine which wells need to be sampled in 2009 to address data gaps. The screening process is outlined in the revised plan (see also response to Comment No.6).

b. See additional comments below.

13. Table 2, the NDEP has the following comments:

a. Regarding “Ions” and the cation-anion balance, it is necessary to discuss this matter with the laboratory prior to submitting samples for analyses. The last set of data (the fifth round sampling event) had very poor data quality and most cation-anion balances could not be completed. NDEP has addressed this matter with BRC through several separate comment letters. To achieve BRC’s proposed schedule for the development of a groundwater remedial alternatives study it is necessary to collect usable data at this time.

Response: BRC is currently working with the laboratory to evaluate the CAB calculations. In addition, BRC and the laboratory will plan ahead of the next round of sampling to isolate selected well samples so the laboratory reports can be separated for inspection. The results of the CAB evaluation will be included in future submittals to NDEP. Additional tasks to evaluate the past CAB failures are presented in the revised sampling plan (see also response to Comment No.12a and No.6).

b. Please reference the analytical method for perchlorate.

Response: This information (LC/MS SW846 6850) has been included in the revised document.

c. pH in soil is listed, however, water pH is not listed. Please explain.

Response: The table has been edited to show pH of water.

d. Percent moisture is not applicable for a groundwater sample. Also, this is listed twice.

Response: This analysis has been deleted from the table.

e. Please verify that the represented laboratory limit is reflective of the “collision cell” method that is proposed. It appears that the limit is elevated.

Response: This “collision cell” reporting limit (5 ug/L) has been included in the revised document.

f. Please add organochlorine pesticides to the analyte list.

Response: OCPs were excluded from selected wells during the 5th round event based on low detection frequency. OCPs will be samples in the new wells, however. In addition, alpha-BHC and beta-BHC have been added to the 2009 event for select existing wells as detailed in the revised plan.

**Responses to Nevada Division of Environmental Protection (NDEP) Comments, dated June 23, 2009, to Technical Memorandum – Work Plan for Groundwater Sampling (rev 1), dated June 23, 2009
NDEP Facility ID# H-000688**

1. General comment, NDEP had provided interim comments to BRC on the June 19, 2009 version of this document. The current version of this document does not address these comments fully. Specifically, it is not clear what analytes are proposed. NDEP will describe what is expected below:
 - a. All wells that are newly installed will be analyzed for the broad suites of compounds listed on Table 4 of the document.
 - b. It is expected that all existing wells will be analyzed for the broad suites of compounds listed on Table 4 of the document.
 - c. It is expected that stable isotope analyses will be completed consistent with the descriptions on pages 11 and 12 of the document.

Response: As discussed with NDEP, BRC will sample all new 2009 wells for the broad suite of compounds listed on Table 4 of the document. All existing wells will be sampled for the list of compounds presented in revised Table 3 of the document. Stable isotope analyses will be completed consistent with the text (page 11 and 12) and Table 3 (three existing and three new Deep Zone wells will be sampled).

2. Task 2, page 13, if there are any questions or problems with the cation-anion balance, it is suggested that BRC discuss these matters prior to development of the report.

Response: Agreed. BRC will discuss the results of the CAB tasks in advance of sampling report preparation.

3. Table 1, the colors used on this Table are not defined.

Response: A footnote has been added to Table 1 to define the colors.

4. Table 3, this Table is not helpful for determining the analyses that will be completed. This Table, similar to Table 2, does not list the classes of chemicals that are discussed in the text or in Table 4, this is not helpful. For example, BRC lists “arsenic” and it is not clear if this implies “all metals” or only “arsenic”. Also, “total dissolved solids” is listed and it is not clear if this is meant to imply that other “anions” are to be treated similarly.

Response: Revised Table 3 presents a summary of the specific analytes proposed for the existing wells selected through data screening and existing wells selected for CAB evaluation parameters. Existing and new 2009 Deep Zone wells selected for isotope analysis to support conceptual site model development are also specified in revised Table 3 (page 3). The new 2009 wells will be sampled for a broad suite in accordance with Table 4 to be consistent with the 5th round event.

**Response to Nevada Division of Environmental Protection Comments, dated June 29, 2009,
regarding *Technical Memorandum – Work Plan for Groundwater Sampling, BMI Common Areas
(Eastside) Site, Clark County, Nevada (rev 2) dated June 26, 2009*
NDEP Facility ID# H-000688**

1. General comment, NDEP does not agree with BRC's proposal for reduced analyses at select wells. NDEP's rationale is as follows:
 - a. The sampling program has already been delayed for nearly two months due to challenges encountered during drilling.
 - b. These delays result in delays in the development of the site-wide Conceptual Site Model (CSM).
 - c. The delays associated with the development of the CSM result in delays in the development of a Remedial Alternatives Study (RAS) for groundwater.
 - d. It is unlikely that it will be feasible to schedule another comprehensive groundwater monitoring event between now and the development of the site-side CSM.
 - e. Hence, NDEP requests that all wells be analyzed for the broad suites of analytes listed on Table 4. The exceptions to this are as follows:
 - i. Stable isotope analyses, BRC's proposal is acceptable.
 - ii. Cation/Anion Balance evaluation wells, BRC's proposal is acceptable. This essentially results in collection of filtered and unfiltered samples as wells as alkalinity for a sub-set of wells).
 - f. To be clear, it is expected that all wells shown on Figures 1 through 3 will be analyzed for all of the compounds listed on Table 4 (except for the stable isotopes as discussed above).
 - g. The basis for this is that NDEP expects that this groundwater data set will be the final input into the site-wide CSM and the groundwater RAS. Therefore, regardless of the stability of the data set, it is necessary to collect a contemporaneous, defensible data set.

Response: BRC recognizes NDEP's request to sample all wells for all parameters rather than a reduced subset of the wells based on parameter stability. BRC will sample the set of wells that have been sampled in the past rounds of groundwater monitoring, except for isotopes and CAB wells as noted above.



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1. Introduction

This report prepared by Daniel B. Stephens & Associates, Inc. (DBS&A) presents the field methods and results of the 2009 groundwater monitoring event conducted for Basic Remediation Company (BRC) at the BMI Eastside Common Areas in Henderson, Nevada. **BRC's groundwater monitoring program has evolved since the first sampling event was conducted in 2004 (Appendix A). A work plan for groundwater sampling, dated April 28, 2009, was prepared to present the program for the 2009 event. Comments to the work plan received from the Nevada Division of Environmental Protection (NDEP), dated April 30, 2009, were addressed in the revised work plan (BRC, 2009) dated June 26, 2009 (Appendix B).**

This revised report addresses comments received from the NDEP, dated March 25, 2010, to the 2009 event monitoring report dated February 25, 2010 (Appendix B).

1.1 Project History

The BMI Eastside Common Areas (the "Site") is located on approximately 2,320 acres of land in Clark County, Nevada, approximately 13 miles southeast of Las Vegas, Nevada (Figure 1). The Site consists of former used and unused wastewater effluent ponds (now removed), into which various wastewaters from the BMI Industrial Complex were discharged from the early 1940s through 1976, and portions of the system of former conveyance ditches that were used to transport those wastewaters to the effluent ponds. The Eastside also formerly included municipal rapid infiltration basins (RIBs) and lined ponds in the southwestern portion of the Upper Ponds that were constructed over the original ponds (also known as the TIMET ponds or the Pabco Road ponds).

In addition to the former effluent ponds and conveyance ditch segments, the Eastside includes adjoining lands northeast of Boulder Highway, northwest of Lake Mead Boulevard, and south of Las Vegas Wash. With the exception of a short segment that traverses Parcel 9 South, former conveyance ditch segments to the west of Boulder Highway are not part of the Eastside Site.



The transport and disposal of industrial and sewage effluent is understood to be the primary source of chemicals in the former ponds and ditch areas. No industrial or manufacturing activities have taken place on the Eastside. In addition to the on-site sources of chemicals, potential off-site sources have also been identified. Elevated concentrations of perchlorate, arsenic, and hexavalent chromium in groundwater have been well documented in groundwater samples collected from upgradient and off-site wells located west and southwest of the Site, indicating that contaminants are currently flowing beneath a portion of the Eastside.

Potential off-site sources include nearby facilities such as the City of Henderson (COH) Water Reclamation Facility/Bird Preserve, the facilities currently operating within the BMI Industrial Complex (e.g., Tronox LLC [formerly Kerr-McGee Chemical, LLC], Titanium Metals Corporation [TIMET], Olin Chlor Alkali [formerly known as Pioneer Americas LLC, which includes former Stauffer and Montrose sites], two former COH RIBs, and the inactive facility owned by American Pacific Corporation [AMPAC, former PEPACON plant] located west of the BMI Complex).

Since 2004 BRC has conducted several investigations at the Site to evaluate geologic and hydrogeologic conditions and groundwater quality. After a comprehensive program of drilling, soil sampling, geophysical surveying, well installation, and groundwater sampling was completed in 2004, groundwater monitoring has been conducted and reported over five additional events or “rounds:”

- The first round was conducted between April and June 2006 (MWH, 2006b).
- The second round was conducted between July and August 2006 (MWH, 2006c).
- The third round was conducted between October and November 2006 (MWH, 2007a).
- The fourth round was conducted between January and March 2007 (MWH, 2007b).
- The fifth round was conducted between April and July 2008 (MWH, 2008).

This report summarizes the field sampling and analytical results of the 2009 sampling event completed between August and October 2009.



1.2 Geology and Hydrogeology

The depositional environment of the various strata encountered beneath the Site has been characterized through drilling and sampling of numerous borings installed during previous investigations. The Site is located on alluvial fan sediments, with a surface that slopes to the north-northeast, toward Las Vegas Wash, at a topographic gradient of approximately 0.02. The uppermost two geologic formations encountered at the Site are the focus of this report:

- The uppermost unit is composed of relatively coarse-grained Quaternary alluvial sediments.
- These alluvial sediments are underlain by lacustrine sediments known as the Tertiary Muddy Creek Formation (TMCf). For the most part, the lacustrine TMCf is comprised of silts and clays, although a coarser facies was noted in the southwest portion of the site (Section 1.2.2).

1.2.1 Quaternary Alluvium

The uppermost strata beneath the Site consist primarily of alluvial sands and gravels of Quaternary age (Carlsen et al., 1991) and are mapped and referred to as Quaternary alluvium (Qal). The alluvial fan deposits are composed of volcanic materials that were shed from various nearby mountains and then coalesced in the Las Vegas Valley. The Qal is typically on the order of 50 feet thick at the Site, with a maximum thickness of 65 feet noted to the southwest of the Southern RIBs. The variations in the thickness of the Qal are, in part, a result of the non-uniform contact between the Qal and the underlying TMCf. The Qal is not present in localized areas of the northernmost portion of the Site, where it was removed as a result of previous gravel mining. Areas where excavation has occurred previously (such as Tuscany Village or the Weston Hills development) have since been backfilled to allow for residential development.

Whereas the original surface of the Qal prior to development was a nominally planar surface that, as a whole, dipped gently to the north, the contact between the Qal and the underlying TMCf is not a planar surface. The unconformity between these two geologic units is a result of



erosion of the TMCf prior to the deposition of the alluvial sediments that comprise the Qal. As the TMCf was eroded, broad channels were incised into its surface and were subsequently filled with the alluvium, resulting in the development of several paleochannels of varying depths and width. BRC et al. (2006) have interpreted that two paleochannels originating to the east and west of the Southern RIBs join at the southern end of the former location of the historical spray wheel to form one paleochannel that runs north beneath the Northern RIBs and then northeast to Las Vegas Wash.

As indicated by borelog data, the structural surface of the TMCf also exhibits a topographic gradient to the north-northeast. However, the TMCf topography does not appear to be so deeply incised that the flow of groundwater is controlled by paleochannel features at all groundwater elevations. The flow of groundwater may be controlled by paleochannels to a greater degree at low groundwater elevations than under high groundwater elevations.

1.2.2 Tertiary Muddy Creek Formation

The TMCf underlies much of the Las Vegas Valley and is more than 2,000 feet thick in places. At the Site, this unit is encountered beneath the Qal, where an unconformity separates the two geologic units. The depth to the top of the TMCf ranges from approximately 27 feet below ground surface (ft bgs) at well MCF-11 to approximately 65 ft bgs southwest of the Southern RIBs. At the Site, the TMCf was encountered to the maximum explored depth of 430 ft bgs. The TMCf is typically fine-grained (sandy silt and clayey silt), although thin layers (interbeds or “stringers”) with increased sand content are encountered sporadically.

A coarser-grained facies of the TMCf occurs off-site and in the southwest portion of the study area (at well MCF-27, for example). The proportion of coarser-grained sediments in the upper portion of the TMCf decreases to the north beneath the Site. This more permeable TMCf facies is interpreted as being caused by an influx of slightly coarser alluvial deposits into the older lacustrine depositional environment. One possible ramification of the presence of these coarser TMCf sediments near the southwestern border of the Site is that they may serve as a potential pathway for chemicals to migrate into the TMCf.



1.2.3 Water-Bearing Zones

A January 2009 NDEP-produced document entitled *Hydrogeologic and Lithologic Nomenclature Unification* defines NDEP's rationale behind the definitions of three water-bearing zones at the Site and at adjacent properties: the Shallow, Middle, and Deep Zones (NDEP, 2009a):

- The uppermost water-bearing zone (referred to as the Shallow Zone) is unconfined and present primarily in the Qal, although at some locations on the Site, Shallow Zone groundwater is first encountered in the uppermost portion of the TMCf (referred to as the Upper Muddy Creek Formation [UMCf]). This unconfined Shallow Zone groundwater generally flows in a northerly direction toward Las Vegas Wash. The Shallow Zone groundwater is generally continuous across the Site, but there are areas where Shallow Zone wells are dry. The Shallow Zone is designated to be between the surface and approximately 90 ft bgs (NDEP, 2009a). **To distinguish between unconfined groundwater occurring in the two lithologies, the Shallow Zone is further divided into Layer 1 (Qal only) and Layer 2 (TMCf only).**
- Below the Shallow Zone, deeper groundwater occurs in sporadically encountered lenses in the Middle Zone, designated by NDEP to be between approximately 90 and 270 ft bgs.
- Deep Zone groundwater is generally continuous across the Site and is characterized with wells screened below 270 ft bgs to a maximum nominal depth of 400 feet bgs. Groundwater elevation data from the last several rounds of groundwater monitoring (2006, 2007, 2008, 2009) show that Deep Zone groundwater is confined and the potentiometric surface of Deep Zone groundwater is oriented generally north toward Las Vegas Wash (MWH, 2008).

1.2.4 Vertical Gradients

Vertical gradients, as measured in the five recent Eastside monitoring events, have been generally upward (DBS&A, 2009), consistent with the position of the Site at the relatively distal



end of two coalescing alluvial deposits from the River Mountains and McCullough Range. In general, high-energy alluvial sediments are deposited near their source, resulting in a geologic profile dominated by coarser-textured soils that are conducive to downward recharge of precipitation and mountain runoff. At more distal locations, it is common to encounter lower-energy alluvial sediments that result in a geologic profile dominated by finer-textured soils. The distal portions of alluvial deposits often comprise pressure zones where confining or semiconfining zones exist. Water in these zones is often laterally recharged at depth, resulting in pressure buildup that is sustained by the head of water created in the upslope vertical recharge zones.

As discussed in by DBS&A (2009), downward gradients exist in some isolated locations. For example:

- The 2009 monitoring event elevation data (MWH, 2008) indicate a small downward gradient (0.011) between the Shallow Zone and the Middle Zone at Location 12; the gradient between the Shallow Zone and Deep Zone at Location 12 is upward (0.060).
- A downward gradient was also calculated between the Middle Zone and the Deep Zone at Location 28 (0.217); well elevation data for the Shallow Zone at this location were not available to make a comparison.
- A slight downward gradient (0.007) was also calculated between the Shallow Zone and the Deep Zone at Location 7; the direction of gradient has alternated between up and down at this location in previous monitoring events.
- Historically, downward vertical gradients have been measured at Location 6 (groundwater elevation was not measured in 2009; previous 2007 vertical gradient was 0.043).



1.2.5 Zone Connectivity

As discussed by DBS&A (2009), evaluation of existing analytical and isotopic data indicates that only limited or incidental connectivity exists between the three water-bearing zones at the Site, and the Shallow Zone and the Deep Zone are believed to be largely isolated from one another at the Site. However, there could be limited and incidental connection between the Shallow Zone and the Deep Zone via the Middle Zone. The large depth interval and generally low permeability of the Middle Zone together serve to greatly modulate and buffer hydraulic variation and chemical transport between the Shallow and the Deep Zones. Though it is possible that greater connectivity between water-bearing zones exists upgradient of the Site, limited data exist upon which to base an evaluation.

1.3 Purpose and Scope

The 2009 groundwater monitoring event was performed to collect groundwater data to further characterize Site geochemistry and hydrogeology. Sampling was also completed to provide additional data to improve the understanding of the Site-wide conceptual site model (CSM), to evaluate groundwater conditions to ensure that public health and the environment are protected, and to establish baseline conditions in areas where these conditions have not been established. The following activities were performed during the groundwater monitoring event:

- Inspected wellheads, including surface completion and well security
- Measured depth to groundwater in wells relative to top of casing (TOC)
- Measured total depth of well relative to TOC in wells without dedicated pumps in place
- Collected photoionization detector (PID) readings at wellheads
- Collected groundwater samples for laboratory chemical analysis using both micro-purge and net-purge sampling techniques
- Evaluated hydrogeology and chemical analytical results for water quality
- Evaluated data for trends based on previous data and project-specific screening levels



2. Groundwater Monitoring Program

Groundwater monitoring and sampling procedures were performed as specified in the *Revised Periodic Groundwater Monitoring Plan for Groundwater Sampling and Analysis – BMI Common Areas (Eastside), Henderson, Nevada* (MWH, 2006a), *BMI Common Areas (Eastside) Fifth Round Groundwater Monitoring Work Plan, BMI Complex, Henderson, Nevada (Revision 0)* (BRC, 2008) and associated NDEP letter dated March 21, 2008, associated revised Site-specific *Field Sampling and Standard Operating Procedures (FSSOPs)* (BRC et al., 2007), and revised BRC *Quality Assurance Project Plan (QAPP)* (BRC and ERM, 2008). Additionally, with the approval of the NDEP transmittal dated March 31, 2006, BRC modified the groundwater sampling procedures to include the micro-purge and sampling methodology for the program. The 2009 event also followed the procedures outlined in the *Technical Memorandum – Work Plan for Groundwater Sampling, BMI Common Areas (Eastside) Site, Clark County, Nevada (rev 2)* dated June 26, 2009 (BRC, 2009) and associated NDEP comments dated June 29, 2009.

Chemicals known or suspected to be associated with historical operations and potential impacted groundwater in the vicinity of the Site, referred to as site-related chemicals (SRCs), are presented in Table 1. The current groundwater monitoring analytical program implemented during the 2009 sampling event, including analytical laboratories, analytical methods, sample containers, preservation, and holding times, is summarized in Table 2. Wells used for water level measurements only are presented in Table 3.

Prior to implementing the second round of 2009 sampling, BRC requested and NDEP approved a reduction in the required analyses. These changes include discontinuing analyses of groundwater samples for polynuclear aromatic hydrocarbons (PAH) by U.S. Environmental Protection Agency (EPA) method SW8310, polychlorinated biphenyls (PCB) by EPA method SW8082, herbicides by EPA method SW8151A, dioxin and furans by EPA method SW8290, cyanide by EPA method 9010, sulfite by EPA method 377.1, sulfide by EPA method 376.1/376.2, total petroleum hydrocarbons (TPH) by EPA method SW8015B, and methyl mercury by EPA method 1630. These analyses have been excluded from the current sampling program as listed in Table 2 and Appendix A.



Prior to implementing the fourth round monitoring event (2007), BRC requested and NDEP approved an additional reduction in the required analyses. These changes include discontinuing analyses of groundwater samples for glycols and alcohols by EPA method SW8015B and flashpoint by EPA method 1010. These analyses have been excluded from the current sampling program listed in Table 2 and Appendix A.

Prior to implementing the fifth round monitoring event (2008), BRC requested and NDEP approved additional reduction in required groundwater analyses for individual wells in which concentrations have been consistently below detection limits for the following analyses: aldehydes by EPA method 8315A, organic acids by HPLC, organochlorine pesticides (OCPs) by EPA method 8081A, and semivolatile organic compounds (SVOCs) by EPA method 8270C. Analyses for dichlorobenzil by EPA method 8270C, organophosphate pesticides (OPPs) by EPA method 8141A, and dissolved gases by RSK 175 were also removed from the program. The changes to the analytical program are presented in Appendix A.

For the 2009 sampling event, groundwater samples were analyzed for:

- Volatile organic compounds (VOCs)
- Organochlorine pesticides (OCPs)
- Total metals
- Anions
- General chemistry and water quality parameters (including perchlorate and total dissolved solids [TDS])
- Radionuclides
- Stable isotopes

Cation-anion balance (CAB) calculations completed with prior monitoring event data exceed the acceptable criteria detailed in NDEP guidance (NDEP, 2009c) and Section 1030 E of the *Standard Methods for the Examination of Water and Wastewater* (APHA, 1999). As discussed in the 2009 Work Plan (BRC, 2009), a selected set of wells were to be filtered in the field for



anions and metals for dissolved analyses to help evaluate CAB calculations. The filtered data set would supplement the unfiltered total analyses that will also be conducted for samples from each well. It was suspected that field-filtering may help achieve a better CAB. During field sampling, however, BRC elected to field-filter groundwater samples from all wells sampled in the 2009 event (in addition to collecting unfiltered samples) so that a complete filtered and unfiltered dataset for anions and metals would be collected for analysis and evaluation.

In addition, alkalinity was measured in the field to help determine if this parameter is a CAB factor. Further, a set of well samples were collected and packaged separately for metals and anion analyses (both total and dissolved). The samples were isolated from other Site samples (separate coolers, separate chain-of-custody forms, separate delivery) so that distinct laboratory reports for each group would be generated and available for detailed review if needed.

2.1 Well Inspection and Measurements

Well construction data are included in Table 4. Every monitoring well scheduled for water level measurement or sampling was inspected for deficiencies and problems. An inspection log was completed, noting all deficiencies and problems (Table 5). The following general information was documented during the inspections:

- Date and well identification
- Condition of security posts, well pad, security casing, and dedicated sampling components, if applicable
- Condition of gasket, lock, well casing, wellhead, and flange bolt tightness
- Straightness of the wellhead.

In addition to the routine well inspection, total depth was measured in each well that has no dedicated pump to determine if formation material surrounding the well has migrated into and accumulated inside the well casing. Wells that contained an accumulation of material exceeding 20 percent of the screened interval were noted and will be considered for redevelopment. During the fifth round event, excessive sedimentation was measured at the



bottom of one well (PC-24) used for chemical analyses. PC-24 had a measured total well depth variance of -3.71 feet or approximately 24.7 percent of the screen interval filled with sediment. This well is owned by Tronox. Well PC-24 was sampled in the 2009 event.

Several wells were not sampled during the 2009 event:

- During the 2009 well inspection and measurement activities, the following wells could not be located: AA-24, HMWWT-8, DM-9, PC-12, PC-84, PC-106, PC-107, and PZ-13. AA-24 and DM-9 may be buried by recent construction activities and PC-12 may be paved over.
- Well PC-40 was inaccessible during sampling as the lock has been changed since the Fourth Round event.
- Well PC-89 appeared caved in and no casing or cover was evident.
- Similarly, the cover of well PC-95 has been crushed into the well casing and could not be removed for sampling. The wells casing at COH-1A also appeared to have caved in.
- The following wells were dry during 2009 well inspection and measurement activities: AA-19, DBMW-6, DM-4, DM-5, DM-7B, DM-8, HMWWT-4, and PC-1.
- Two wells were artesian during the 2009 event: MCF-10A and MCF-17A.
- ~~The following TIMET wells could not be accessed: TPMZ-105 through TPMZ-110, TPMX-112, and CMT-307.~~

2.2 Water Level Measurements

Water level measurements provide a measure of water potential (hydraulic head) at specific geographic locations and depths beneath the Site. The primary purpose for measuring water levels in monitoring wells is to determine horizontal and vertical groundwater flow directions and



gradients. These measurements, when converted to elevations relative to mean sea level and posted on a map, can be contoured to prepare potentiometric surface maps and used to determine where and at what rate groundwater is moving.

Horizontal gradients are calculated as the difference in groundwater elevations between wells screened in the same monitoring zone divided by the horizontal distance between the wells. The horizontal gradients indicate the direction of groundwater flow, from higher to lower elevations.

During the 2009 event water levels were measured in all available wells across the Site and adjacent areas, as shown in Figure 2, to provide data for a “snapshot” of water levels, gradients, and flow directions. All of the water level measurements were conducted between August 3 and 7, 2009) except for well MCF-06A-R (originally inaccessible due to Site construction), which was measured on August 21, 2009.

All groundwater level measurements were performed to coincide with the similar measurements being conducted by other BMI Complex companies, whenever possible. Measurements within geographic areas were collected in the shortest possible time, so that local hydraulic gradients in each zone and between zones can be assumed to have been made under comparable conditions.

A total of 173 wells were proposed for groundwater measurements. Of these wells, 63 are screened solely in the Qal, 29 are screened in the Qal with some portion of the screen in the UMCf, and 73 are screened solely in the UMCf (specific screen information for 8 shallow wells [HMW-16, MW-13, MW-15, POU3, PZ-13, W02, WMW5.58SD and WMW5.58SI] is not available).

In accordance with NDEP guidance (2009), the wells are also classified by water-bearing zone: 127 wells are in the Shallow Zone, 19 wells are in the Middle Zone, and 27 wells are in the Deep Zone. Some wells may be better classified in a different zone, and some may have characteristics of more than one zone. These issues, as they impact the accuracy of site characterization and potential remedial decision-making, will be further evaluated as the



Eastside CSM is further developed. (Note: If a Qal well is screened less than 1 foot into the UMCf, the well is considered solely a Qal well for classification purposes).

The 2009 groundwater potentiometric surface data for the Shallow, Middle, and Deep Zone wells are presented in Figures 3, 4, and 5, respectively. Water levels were measured in accordance with procedures described in the project-specific FSSOP 5 (Water Sampling and Field Measurements). Where available, contemporaneous Shallow Zone data from upgradient well locations are also presented (no Middle or Deep Zone data were available for the upgradient locations).

2.3 Sample Collection

BRC used the NDEP-approved low-flow purge and sampling technique when feasible during field sampling. BRC sampling guidance (FSSOP 5) specifies a maximum allowable drawdown in a well while using approved low-flow purge techniques. If drawdown exceeds the maximum allowed, a “net-purge” procedure approved by the U.S. EPA is used instead. During purging, water levels should be monitored to ensure that drawdown does not exceed 0.1 meter (0.3 foot). If the water level drop exceeds this, the flow rate should be decreased until the water level stabilizes. If water levels in low yield wells do not stabilize at flow rates near 0.1 liters per minute (L/min), the well should be purged to dryness once and then sampled (U.S. EPA, 1986). Samples should be collected when the well has recovered to 80 percent of its original capacity or at 24 hours from being purged to dryness, whichever comes first. At no time should the well be pumped to dryness if the recharge rate causes the formation water to vigorously cascade down the sides of the screen. In this case, samples should be collected at a rate slow enough to maintain the water level at or above the top of the screen to prevent cascading.

BRC-owned wells are equipped with QED Well Wizard (A-system and L-system) dedicated bladder pumps for monitoring and sampling where possible. QED MP10H high pressure micro-purge controllers are used during sampling. The Well Wizard A-system is installed in AA wells (or shallow MCF wells) due to their relative shallow well design (less than 100 feet deep). The L-system pumps are used in many of the MCF wells due to the depth of the wells. The L-system uses a drop-tube that attaches to the base of the pump and extends down to a



specified intake depth within the well screen interval. This allows the pump to be located closer to the top of the well and still collect groundwater samples from across a screen interval located as deep as 400 feet below the top of the casing (ft btc). Generally, pump (sample) intakes were installed across the middle of the well screen intervals for saturated well screens (typically identified as MCF wells [confined aquifer]) and approximately 1 to 3 feet from the bottom of the wells for non-saturated well screens (typically identified as AA wells [unconfined aquifer]).

BRC and non-BRC-owned wells without dedicated pumps are monitored and sampled using a QED brand SamplePro portable bladder pump system. QED MP10H high pressure micro-purge controllers are used during sampling. The portable pump (sample) intakes are generally placed in the middle of the saturated well screen interval for groundwater monitoring and sampling collection. Well purging and sampling summary data are presented in Table 6.

Standard sampling and documentation procedures presented in the groundwater monitoring program (Table 2) and the BRC FSSOPs were developed for field water level measurements, monitoring well sampling, well maintenance, general field operations, and instrument calibration. Adherence to these procedures promotes consistency in field procedures and ensures comparability of data collected over time.

Field quality control (QC) measures implemented during groundwater sampling are detailed in the BRC QAPP and FSSOPs. Specific wells or locations where QC samples were collected were identified at the beginning of the event by BRC and its field consultant. The required QC sample frequencies and field QC measures include but are not limited to:

- Collection of 10 percent field duplicates, 5 percent equipment blanks, and 10 percent matrix spike/matrix spike duplicate (MS/MSD) samples
- Providing accurate, detailed field documentation
- Proper sample packaging and shipment under chain of custody procedures



2.4 Decontamination Procedures

Decontamination all non-dedicated, non-disposable equipment was performed to minimize the potential for cross contamination between wells or investigation and sampling locations. BRC FSSOPs were followed to ensure proper decontamination of sampling equipment.

Decontamination equipment was prepared at each well location for cleaning sampling equipment. Supplies included 5-gallon buckets, bottle brushes, potable water, distilled water, and non-phosphate cleaning solution (Liquinox or Alconox). Prior to and after use at each location, all groundwater sampling equipment was washed in the non-phosphate solution, rinsed with potable water, and then rinsed twice with distilled water. Submersible pumps and downhole equipment at each location were also cleaned in the same manner prior to and after use.

Decontamination water was transferred into secured and properly labeled Department of Transportation-approved 55-gallon steel drums located on-site at a centralized staging area for short-term storage before proper disposal.

2.5 Analytical Program

Analytical procedures for the fifth round sampling event were implemented according to the BRC QAPP. Analytical specifications include methods, target analytes, detection and quantitation limits, calibration and calibration verification, and QC procedures and specifications. These specifications also require that analyses be performed according to the method-specific SOPs, which have also been revised to be site-specific stand-alone documents.

The current list of chemicals known to be associated with historical area operations, or site-related chemicals (SRCs), is presented in the revised 2008 BRC QAPP and provided herein as Table 1. This table also includes the groundwater sampling parameters of interest, analytical methods, and specific compounds. The 2009 groundwater monitoring analytical program is presented in Table 2. Additional details about the analytical program are provided in the 2009



Work Plan (BRC, 2009), and in NDEP comments dated April 30, 2009, June 23, 2009, and June 29, 2009 (Appendix B).

Analytical methods used during the program were selected to provide data to evaluate impacts to groundwater and surface water quality and were based on data requirements for investigating Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) sites and for conducting human health and ecological risk assessment. The analytical methods used are primarily referenced U.S. EPA-approved testing procedures.

Table 2 summarizes the analytical laboratories, methods, containers, preservation, and holding times used during the sampling event for the collection and analysis of groundwater samples. Analytical laboratories performing analyses for the Site have Nevada State certification for the methods performed. Samples were packaged and shipped with proper chain-of-custody documentation to the analytical laboratories as described in the BRC FSSOPs and QAPP.

2.6 Groundwater Analyses

Groundwater samples from 127 monitoring wells were analyzed in the 2009 event for a broad spectrum of chemical analytes and chemical classes based on previous detections, as presented in Table 2. As noted in Section 2, groundwater samples collected during the 2009 event were analyzed for VOCs, OCPs, total metals, anions, general chemistry and water quality parameters (including perchlorate and TDS), radionuclides, and stable isotopes. Analytical results are discussed in Section 3.2.

Because a subset of the past groundwater sample analyses resulted in some relatively high detection limits, perchlorate was analyzed in the 2009 event using EPA method LC/MS SW846 6850 to achieve lower detection limits. Similarly, arsenic was analyzed using ICP/MS (collision cell), and hexavalent chromium was analyzed using EPA method 7196A to achieve reduced detection limits.



2.7 Analytical Laboratories

Several laboratories were used during the 2009 event (Table 2). TestAmerica Laboratories (TA), located in Earth City, Missouri (TA-St. Louis), was the primary laboratory used for the majority of the chemical analyses. TA-St. Louis was not equipped to perform some of the selected chemical analyses and therefore enlisted other TA facilities to conduct those analyses, including TA-Irvine (California) for the anion analyses.

Advanced Tech Laboratories, located in Las Vegas, Nevada, was subcontracted to analyze for hexavalent chromium in groundwater samples. General Engineering Laboratories, located in Charleston, South Carolina, performed the radionuclide analyses, and Isotech Laboratories, Inc. (Champaign, Illinois) performed the isotope analyses. Lancaster Laboratories analyzed the samples for arsenic and chromium.

All of the laboratories are certified by the State of Nevada with the exception of Isotech Laboratories, Inc., which performed the isotope analyses. BRC could not locate a Nevada-certified laboratory that could perform the isotope analyses.

2.8 Quality Assurance/Quality Control

Measurement data for the Eastside groundwater monitoring program are consistently assessed and documented to determine whether objectives were met. The review assesses data quality and identifies potential limitations on data use, thereby providing information on overall method performance and data usability. Section A7 of the BRC QAPP defines the basis for assessing the elements of data quality. Laboratory data and data quality review reporting procedures and formats are also addressed in Section A7 of the BRC QAPP.

Quality assurance (QA) activities include performing technical system audits, performance audits, and data validation at the frequency recommended in the BRC QAPP. Field audits are not required, but may be performed in the event that significant discrepancies are identified that warrant evaluation of field practices. No field audits were performed during the 2009 event.



Various types of QC samples were collected to aid in evaluating the analytical data quality:

- Field duplicate groundwater samples were collected at a rate of 10 percent, or 1 duplicate sample for every 10 groundwater samples.
- Trip blanks were prepared by the laboratory and were included in each shipment containing groundwater samples for analysis of VOCs.
- Equipment decontamination blanks were collected (using non-dedicated or non-disposable equipment) at a rate of 5 percent of all groundwater samples collected, or 1 blank for every 20 groundwater samples collected, and were analyzed for all applicable target analytes.
- Additional sample volume was collected for 1 of every 10 groundwater samples in order to conduct laboratory MS/MSD analyses.

2.9 Data Review and Validation

The guidance for data review and validation is provided in U.S. EPA National Functional Guidelines for data review of organic and inorganic constituents (U.S. EPA, 1999, 2001, 2004 and 2005) and *U.S. EPA Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846), Third Edition* (U.S. EPA, 2008). These guidance manuals provided direction for the data review and validation activities conducted for data collected during this event.

Additionally, the NDEP guidance letters dated May 3, 2006 and February 23, 2007 (Data Validation Summary Report [DVSR]), and the *American Public Health Association (APHA) 1999 Twentieth Edition of Standard Methods for the Examination of Water and Wastewater* (Standard Methods) were also referenced. The Standard Methods were used for CAB evaluation along with the NDEP CAB guidance dated September 28, 2009 (NDEP, 2009c).

All of the data were subjected to a Level 3 review, which consists of a manual review of all parameters related to sample analysis, including holding times, instrument performance check



(as applicable), initial calibration, continuing calibration, blank contamination, laboratory control sample (LCS), MS/MSD, surrogates and internal standards (as applicable), and compound identification. In addition to the Level 3 review, 20 percent of all data collected during the course of the investigation were subject to full Level 4 data validation, which consists of review of all parameters included in the Level 3 review with additional review of the raw data including chromatograms, log books, quantitation reports, and spectra. Laboratory Data Consultants, Inc. (LDC) was subcontracted to conduct all the data validation. A DVSR for all data collected during this event (DVSR #58) was submitted separately to the NDEP as a stand-alone report (BRC and ERM, 2010) and was approved by NDEP on January 16, 2010.

Data for Deep Zone well MCF-07A were rejected for the 2009 event. The initially reported 2009 perchlorate concentration in well MCF-07A (93 J+ [see Table 7 for explanations of data qualifiers] micrograms per liter [$\mu\text{g/L}$]) was recognized to be the highest reported for this well. Although detection limits were relatively high in some past analyses (up to 67.8 $\mu\text{g/L}$), perchlorate had not been reported in well MCF-07A before the 2009 event. Consequently, a review of field sampling procedures was conducted and identified several issues that demonstrated that field sampling was not conducted according to BRC SOPs (DBS&A, 2010b). Issues out of compliance include purging method, rate, and parameter stability, elapsed sampling time after purging, drawdown during purging, and well sampling sequence (sampling impacted wells before unimpacted wells).

The field methods review and data rejection are discussed in detail in a DBS&A memorandum to BRC dated January 13, 2010 (DBS&A, 2010b). BRC has agreed to resample this well and the field activity is currently underway.



3. Groundwater Monitoring Data

This section summarizes general groundwater conditions and analytical results for the 2009 event. Measured groundwater elevations at the Site are summarized in Table 8. Potentiometric surface maps from two identified water-bearing zones (Shallow and Deep) are presented as Figures 3 and 5, respectively. Groundwater elevation data are presented for Middle Zone wells in Figure 4; these data were not contoured because current data suggest that the Middle Zone is discontinuous.

Overall groundwater analytical summary results for the 2009 event are presented in Table 9; summary results by water-bearing zone (Shallow, Middle, Deep) are presented in Tables 10, 11, and 12, respectively. Groundwater analytical summary results by chemical class for all events are presented in Appendix C. The isotope analyses results collected from selected Deep Zone wells are presented in Table 13. Concentration figures (contour maps) for analytes of interest for the 2009 event are presented in Figures 6 through [3244](#).

3.1 Groundwater Conditions

Groundwater level measurements were attempted at 173 wells and successfully collected from 140 wells across the Site (Table 8). The remaining 33 wells could not be monitored due to the field conditions discussed in Section 2.1.

Depth to groundwater measurements ranged from artesian conditions at wells MCF-10A and MCF-17A to a maximum measured depth to groundwater of 109.30 ft btoc in well MCF-06A-R. The highest groundwater elevation was 1781.50 **feet above mean sea level (ft msl)** in well MCF-02A, screened within the Deep Zone and located in the southernmost portion of the Site. The lowest measured groundwater elevation was 1405.53 ft msl in well W02, screened in the Shallow Zone and located just west of the COH Landfill. Well hydrographs are presented in Appendix D.

In the monitoring report for the fourth round of sampling (MWH, 2007b), well MW-15 was mislabeled as MW-08 based on mislabeling on the well itself and the current well information at



that time. Based on new information provided by COH Landfill personnel during the fifth round of monitoring, BRC has changed the identification of well MW-08 to MW-15.

~~The following wells had significant changes in groundwater elevation (greater than 50 feet) between the fifth round water level measurement event completed in 2008 and the 2009 event (Table 8):~~

- ~~• Shallow Zone well AA-13: Decline of 56.66 feet~~
- ~~• Deep Zone well MCF-19A: Increase of 77.64 feet~~
- ~~• Deep Zone well MCF-06A-R: Increase of 118.95 feet~~
- ~~• Deep Zone well MCF-20A: Increase of 119.47 feet~~
- ~~• Deep Zone well MCF-18A: Increase of 146.64 feet~~
- ~~• Deep Zone well MCF-24A: Increase of 163.13 feet~~

~~The decline in groundwater elevation in Shallow Zone well AA-13 is likely due to the deactivation in 2007 of the former Southern RIBs just upgradient from this well. The Deep Zone wells listed above were all installed at the Site in 2008, and the 2009 event was only the second time water levels were recorded in these wells.~~ The yield of the **Deep Zone se-UMCf** wells is low, although Deep Zone groundwater is confined and water levels commonly rise several hundred feet above the screen interval. For example, the depth to water in well MCF-18A was 26.30 ft btoc in 2009 and two Deep Zone wells were artesian during the 2009 event (MCF-10A and MCF-17A). The **relatively large increases** in groundwater elevation measured in the **se** Deep Zone wells between 2008 and 2009 is likely due to the stabilization of Deep Zone groundwater in the area of these wells after the hydraulic stress of drilling, well installation, and well development in 2008 had dissipated. **Smaller changes in Deep Zone head can be attributable to barometric pressure changes.**

The potentiometric surface of Shallow Zone and Deep Zone groundwater is depicted as Figures 3 and 5. Middle Zone groundwater elevations are posted on Figure 4. Shallow Zone groundwater flow is oriented generally to the northwest at an average gradient of 0.02 foot per



foot (ft/ft). Deep Zone groundwater flow is also oriented generally to the northeast with an average gradient of 0.02 ft/ft. The potentiometric surface and flow direction for both the Shallow Zone and the Deep Zone are broadly consistent with data from prior monitoring events.

3.2 Analytical Results and Summary of Findings

This section presents groundwater analytical results for the 2009 event. Data validation qualifiers and reason codes are presented in Table 7. Statistical summaries of the 2009 analytical results are presented in Tables 9 through 12. Results by chemical class (for all events) are presented in Appendix C. The results of isotope sampling (2008 and 2009) are presented in Table 13.

The 2009 data were evaluated by number and frequency of detections, maximum and minimum concentrations, and number of detections exceeding U.S. EPA maximum contaminant levels (MCLs) or **NDEP** basic comparison levels (BCLs). Based on detection frequency and detected concentrations over MCLs or BCLs, the following analytes of interest (AOIs) from the various chemical classes were selected for further evaluation:

- Tetrachloroethylene (PCE)
- ~~Chloroform~~ **Total trihalomethanes (TTHMs)**
- Carbon tetrachloride
- Alpha BHC and beta BHC
- Arsenic
- Hexavalent chromium
- Magnesium
- Radium-226+228
- Perchlorate
- Total dissolved solids (TDS)



Concentration trend graphs for ~~the~~ AOs are presented in Appendix E. Consistent with prior BRC monitoring reports, the ten wells in the 2009 dataset with the highest detected concentrations for each parameter are plotted in the Appendix E graphs. Data from the 2009 event were screened against MCLs and BCLs as a preliminary analysis, and the screening results are discussed in Sections 3.2.1 through 3.2.11.

3.2.1 Volatile Organic Compounds

Of the 33 VOCs detected in Shallow Zone wells, 17 have a detection frequency of 5 percent or more. Of these VOCs with a detection frequency of at least 5 percent, only 2 exceed an MCL: carbon tetrachloride and PCE. ~~Four~~ **Only two** VOCs with a detection frequency of at least 5 percent in Shallow Zone wells exceed NDEP BCLs: PCE **and** ~~carbon tetrachloride~~, **each of which** ~~chloroform, and bromodichloromethane. Bromodichloromethane has only one detection over its BCL (26 µg/L in well POU3), while cCarbon tetrachloride and PCE each have~~ **has** 6 detections over BCLs (the MCL and the BCL for carbon tetrachloride and PCE are both 5 µg/L):

- PCE was detected over its MCL/BCL of 5 µg/L in Shallow Zone wells AA-01, AA-UW1, MCF-01B, MW-15, PC-67, and POU3 (Figure 6). The maximum Shallow Zone PCE detections are 73 J µg/L in well AA-01 and 53 J µg/L in well AA-UW1.
- Carbon tetrachloride was detected over its MCL/BCL of 5 µg/L in Shallow Zone wells BEC-6, DBMW-11, DBMW-7, DBMW-8, PC-67, and POU3 (Figure 9). The maximum Shallow Zone carbon tetrachloride detection is 25 µg/L in well POU3.

In addition to the VOCs cited above, TTHMs (sum of detected chloroform, bromodichloromethane, dibromochloromethane, and bromoform) were detected over the associated MCL of 80 µg/L in 21 Shallow Zone wells sampled in 2009, including wells installed along the northeastern Site boundary, in the former ponds area, and north of the plants area (Figure 13 and 14).



~~In 2009, chloroform exceeded its BCL of 1.6 µg/L in 54 of 82 Shallow Zone wells (there is no chloroform MCL) (Figure 12), but was the only VOC detected above MCLs or BCLs in Middle Zone and Deep Zone wells. It was detected in Middle Zone wells MCF-24B and MCF-29B at 7.2 µg/L and 1.9 µg/L, respectively, and in Deep Zone wells MCF-10A (0.069 J µg/L), MCF-02A (0.44 J µg/L), and MCF-29A (0.93 J µg/L).~~

Detected PCE, carbon tetrachloride, **and TTHM**, ~~and chloroform~~ concentrations in Shallow Zone wells are plotted and contoured to show the distribution of these ~~VOCs analytes~~ in Site groundwater (Figures 6, 9, **10, and 132, and 14**). Middle Zone data ~~for these three VOCs, mostly showing non-detects, are posted without contours~~ (Figures 7, ~~110, and 153~~), and ~~except for chloroform, where isolated low concentrations are detected,~~ Deep Zone data (**Figure 8, 12, and 16**) for these ~~three VOCs analytes~~ are ~~also~~ posted without contours (~~Figure 8, 141, and 164~~). Concentration trend graphs for these parameters (wells with the 10 highest detections in 2009) are included in Appendix E.

The carbon tetrachloride and TTHM data are further divided into Shallow Zone Layer 1 (Qa1-only wells) and Shallow Zone Layer 2 (TMCf-only wells). In addition, available data for the plants area and AMPAC are included to further illustrate the regional trend in carbon tetrachloride and TTHM data.

As shown in Figure 6, the maximum detected PCE concentrations (up to 73 J µg/L) in the Site area are located along the upgradient Eastside property boundary at Shallow Zone wells AA-01, MCF-01B, and AA-UW1. PCE impacts extend further downgradient to on-site well POU3 (9 µg/L) and off-site well PC-67 (13 µg/L). Lower PCE detections between 1 and 4 µg/L extend further north-northeast to well HMW-09 (1.2 µg/L) near Las Vegas Wash. Detected PCE concentrations that exceed those cited above have been documented upgradient and off-site to the southwest of the Eastside area (Broadbent, 2010).

~~As shown in Figure 12, the highest detected chloroform concentrations in on-site Shallow Zone groundwater were detected in wells DBMW-11 (900 J+ µg/L) and DBMW-12 (590 µg/L). Comparable concentrations were detected in off-site wells PC-67 (650 J µg/L) and PC-24 (570 J µg/L). The highest detected off-site chloroform concentrations broadly trend east-~~



~~northeast from the PC-67 area. On-site, the highest concentrations trend roughly northerly from the well BEC-6 area where 420 µg/L of chloroform was detected. In between these two areas, where the former spray wheel, the Northern RIBs, and the Southern RIBs have been active (BRC et al., 2006), chloroform concentrations are lower than those cited above and less than 100 µg/L.~~

As shown in Figure 9 and 10, the highest detected carbon tetrachloride concentrations in Shallow Zone groundwater are broadly comparable to ~~both PCE. and chloroform. Chloroform is a daughter product of the anaerobic degradation of carbon tetrachloride, so these two analytes are typically co-located as a result of this process.~~

Like PCE the highest carbon tetrachloride detections are near the southwest portion of the Eastside area. Carbon tetrachloride was detected in on-site well POU3 at 25 µg/L and in off-site wells PC-67 (7.8 µg/L), PC-24 (4.6 µg/L), and PC-28 (4.3 µg/L). ~~Like chloroform,~~ Relatively high carbon tetrachloride concentrations were detected at the northeast property boundary at wells DBMW-11 (10 µg/L) and DBMW-8 (9.3 µg/L), and south of the northeast property boundary in well BEC-6 (9.5 µg/L).

Between these two areas, where the former spray wheel, the Northern RIBs, and the Southern RIBs have been active, carbon tetrachloride concentrations ~~, like chloroform,~~ are lower than those cited above, less than 1 µg/L. Infiltration from the ~~former spray wheel and~~ RIBs may have served to reduce VOC concentrations in the central portion of Shallow Zone in this area.

Detected carbon tetrachloride ~~and chloroform~~ concentrations that exceed those cited above have been documented upgradient and off-site to the southwest of the Eastside area (Broadbent, 2010). **As shown in Figure 9, the highest carbon tetrachloride concentrations in Shallow Zone Layer 1 were detected in the plants area and in the southwestern portion of the Site. A concentration of 12 µg/L was reported in plants area Layer 1 well TMPZ-106, and 25 µg/L was detected in BRC Layer 1 well POU3. In Shallow Zone Layer 2, carbon tetrachloride was detected up to 2,900 µg/L in plants area well MC-MW-09. The highest carbon tetrachloride concentration in the BRC Layer 2 wells was 10 µg/L in well DBMW-11.**



Low-concentration VOC detections below the Shallow Zone may be the result of these higher-concentration upgradient impacts migrating into Middle Zone and Deep Zone wells through coarse-grained lenses within the UMCf.

As shown in Figures 13 and 14, the highest detected TTHMs are located in the plants area southwest of the Site. The maximum reported concentration in a Shallow Zone Layer 1 well is 21,001 $\mu\text{g/L}$ in well AA-MW-07, located in the plants area. The maximum reported concentration in a Shallow Zone Layer 2 well is 65,220 $\mu\text{g/L}$ in well MC-MW-10, also located in the plants area. Reported values in Middle and Deep Zone wells are much lower both on-site and off-site. The distribution of TTHMs in regional Shallow Zone groundwater trends basically north and northeast with groundwater flow.

3.2.2 Organochlorine Pesticides

Of the detected OCPs, only two (alpha-BHC and beta-BHC) were detected above BCLs (these two OCPs have no MCLs). **No OCP compounds were detected above MCLs.** Alpha-BHC was detected above its BCL of 0.011 $\mu\text{g/L}$ in 24 of 82 Shallow Zone well analyses, with a maximum concentration (0.35 $\mu\text{g/L}$) detected in well PC-88 near the Las Vegas Wash. The maximum beta-BHC detection was 0.88 $\mu\text{g/L}$ in well AA-08, located to the west of PC-88. In the 2009 event, no OCPs were detected above MCLs or BCLs in Middle Zone or Deep Zone wells.

3.2.3 Metals

Concentrations above MCLs were detected in Shallow Zone wells for the following metals: arsenic, total chromium, hexavalent chromium, lead, selenium, and uranium. The MCLs for these compounds are the same as the BCL. Concentrations over the applicable MCL/BCL were detected in 80 of 82 analyses for arsenic, 7 analyses for total chromium, 6 analyses for hexavalent chromium, 1 analysis for lead, 10 analyses for selenium, and 29 of 82 analyses for uranium.



For metals that have no MCLs, concentrations above BCLs were detected in Shallow Zone wells for the following: iron (1 detection), lithium (65 detections), magnesium (42 detections), manganese (9 detections), molybdenum (11 detections), and strontium (1 detection).

Arsenic was detected over its MCL of 10 µg/L in 14 Middle Zone well analyses in the 2009 event. Selenium, the only other metal detected over its MCL in Middle Zone well analyses, was detected in 3 Middle Zone well samples over its MCL of 50 µg/L.

The 2009 Deep Zone well analyses detected concentrations above BCLs for the following metals: arsenic (22 detections), boron (8 detections), lithium (17 detections), magnesium (11 detections), manganese (10 detections), molybdenum (9 detections), selenium (3 detections), and strontium (1 detection).

The detected concentrations of arsenic, hexavalent chromium, and magnesium were plotted and contoured to show the distribution of these metals in Site groundwater (Figures 175 through 253). **Maps for manganese and selenium, including Shallow Zone maps split by Layer 1 and Layer 2, are also included for review (Figures 26 through 33).** Concentration trend graphs for these parameters (wells with the 10 highest detections in 2009) are included in Appendix E.

3.2.3.1 Arsenic

In Shallow Zone wells sampled in 2009, the highest arsenic concentration (235 µg/L) was detected in off-site cross-gradient well PC-28. Adjacent off-site well PC-67 had the next highest detected concentration at 165 µg/L. On-site, the nine highest arsenic concentrations ranged from 102 to 161 µg/L. Arsenic concentrations over and approximating 100 µg/L trend north-northeast from the PC-28/PC-67 area toward Las Vegas Wash. To the east at well AA-UW6, arsenic was detected at 161 µg/L and concentrations over 100 µg/L extend to the north of AA-UW6 to wells DBMW-14 (103 µg/L) and DBMW-15 (155 µg/L). Arsenic concentrations in the Shallow Zone are less than 100 µg/L in the central portion of the Eastside near the former Southern RIBs and spray wheel.



As discussed by DBS&A (2010a), higher arsenic concentrations, up to 1,000 $\mu\text{g/L}$, have been detected in Shallow Zone groundwater off-site and upgradient to the southwest. In the Middle Zone, the highest arsenic concentration (100 $\mu\text{g/L}$) was detected in well MCF-12C. The highest Deep Zone arsenic concentration in 2009 was detected in well MCF-08A at 54 $\mu\text{g/L}$.

3.2.3.2 *Hexavalent Chromium*

The distribution of hexavalent chromium in Shallow Zone groundwater is roughly comparable to the isoconcentration maps of PCE and arsenic in the Shallow Zone. Like PCE, the highest hexavalent chromium detections in the 2009 data are located off-site to the southwest, and similarly to PCE and arsenic, hexavalent chromium concentrations were detected in an area that extends from the southwest to the north-northeast across the Site toward Las Vegas Wash. The maximum hexavalent chromium was detected in off-site upgradient well PC-28 at 1,400 $\mu\text{g/L}$. The next highest detected concentration (780 $\mu\text{g/L}$) was detected in adjacent off-site well PC-67. On-site, the highest hexavalent chromium concentration (420 $\mu\text{g/L}$) was detected in well POU3, located southeast of PC-67. Hexavalent chromium concentrations are relatively lower immediately downgradient of the former RIBs and spray wheel areas.

In the Middle Zone, hexavalent chromium was detected only in wells MCF-02B (4.71 J $\mu\text{g/L}$) and MCF-12C (5.21 J $\mu\text{g/L}$). Both of these detections are less than the hexavalent chromium BCL of 110 $\mu\text{g/L}$. In the Deep Zone, hexavalent chromium was detected only in wells MCF-27 (34 $\mu\text{g/L}$) and MCF-03A (38 $\mu\text{g/L}$). Like VOCs, the relatively low-concentration hexavalent chromium detections below the Shallow Zone may be the result of higher-concentration upgradient impacts migrating into Middle Zone and Deep Zone wells through coarse-grained lenses within the UMCf.

3.2.3.3 *Magnesium*

In the Shallow Zone, the highest detected magnesium concentration (11,600,000 $\mu\text{g/L}$) in the 2009 event was measured in well WMW5.58SD, installed in Las Vegas Wash. On-site, the highest concentration was measured in well MCF-06B at 3,760,000 J-TDS $\mu\text{g/L}$. The highest magnesium concentrations are located in an area between wells MCF-16C (600,000 J-CAB&TDS $\mu\text{g/L}$) and MW-4 (974,000 J-CAB&TDS $\mu\text{g/L}$).



The distribution of magnesium in Shallow Zone groundwater is roughly comparable to the isoconcentration maps of PCE, arsenic, and hexavalent chromium in the Shallow Zone, with the highest magnesium concentrations detected in an area that extends broadly from the southwest to the north-northeast across the Site toward Las Vegas Wash.

In Middle Zone wells sampled in 2009, the highest magnesium concentration was detected in well MCF-05 at 15,300,000 J-TDS $\mu\text{g/L}$. The minimum Middle Zone detection was 9,010 J-TDS $\mu\text{g/L}$ in well MCF-02B at the southern property boundary.

The highest magnesium concentrations in Deep Zone wells sampled in 2009 are located in an area trending southwest to northeast from well MCF-19A (10,300,000 J-TDS $\mu\text{g/L}$) to well MCF-31A (14,000,000 J-TDS $\mu\text{g/L}$). The maximum Deep Zone magnesium concentration was detected in well MCF-06A-R at 15,800,000 J-TDS $\mu\text{g/L}$. The minimum Deep Zone detection was 6,490 J-TDS $\mu\text{g/L}$ in well MCF-02A, at the southern property boundary.

3.2.3.4 Manganese

Manganese was detected above its BCL of 510 $\mu\text{g/L}$ in 9 samples collected from Shallow Zone wells in the 2009 event (no MCL has been set for manganese). The maximum Shallow Zone concentration (1,770 $\mu\text{g/L}$) was detected in well PC-108, located in the Western Hook subarea. Manganese was detected above its BCL in 10 Middle Zone samples. The maximum Middle Zone concentration (4,530 $\mu\text{g/L}$) was detected in well MCF-05 (south of the northern RIBs). In the Deep Zone, 17 samples exceeded the BCL for manganese. The maximum Deep Zone concentration was 5,720 $\mu\text{g/L}$ in well MCF-24A in the Spray Wheel Area.

The regional distribution of manganese is shown in Figures 26 through 29. Data from the plants area show that manganese concentrations up to 20,000 $\mu\text{g/L}$ (well EC-09) have been detected in Shallow Zone Layer 1 off-site. In Shallow Zone Layer 2, values as high as 3,400 $\mu\text{g/L}$ have been detected in the plants area (well MC-MW-10). Detected shallow zone concentrations trend basically north and northeast from the plants area, with groundwater flow.



In Middle Zone off-site wells, manganese has been detected up to 8,800 µg/L (well IW-1).

In Deep Zone off-site wells, manganese has been detected up to 340 µg/L (MW-08).

3.2.3.5 Selenium

Selenium was detected above its MCL/BCL of 50 µg/L in 10 samples collected from Shallow Zone wells during the 2009 event. The maximum Shallow Zone concentration (169 µg/L) was detected in well DBMW-2. Selenium was detected above its MCL/BCL in 3 Middle Zone samples. The maximum Middle Zone concentration detected was 167 µg/L in well MCF-05. In the Deep Zone, 3 samples exceeded the MCL/BCL for selenium. The maximum Deep Zone concentration was 127 µg/L in well MCF-30A.

The regional distribution of selenium is shown in Figures 30 through 33. Data from the plants area show that only relatively low concentrations of selenium are detected in off-site groundwater (Shallow, Middle and Deep Zone). The maximum reported off-site concentration in the Shallow Zone is 26 µg/L in well EC-01. Detected shallow zone concentrations trend basically north and northeast, with groundwater flow.

3.2.4 Radionuclides

For the 2009 event, radium 226+228 (the sum of detected radium 226 and radium 228 activities) was the only radionuclide detected above its MCL of 5 picocuries per liter (pCi/L). NDEP has not assigned a BCL for this analyte. Radium 226+228 activities above 5 pCi/L were detected in 12 of 82 Shallow Zone well samples, 3 Middle Zone samples, and 10 Deep Zone well samples.

The distribution of radium 226+228 was plotted and contoured to show the distribution of this analyte in Site groundwater (Figures 324 through 326). Concentration trend graphs for this parameter (wells with the 10 highest detections in 2009) are included in Appendix E.

Similar to the isoconcentration maps for Shallow Zone VOCs and metals discussed above, the radium 226+228 map of 2009 Shallow Zone groundwater data (Figure 324) shows a trend with the highest detections extending across the Site from the southwest to the northeast. The



highest radium 226+228 activity was measured in well DBMW-12 (19.4 pCi/L in a field duplicate).

The maximum detection in the Shallow Zone was 19.4 pCi/L in well DBMW-12 (field duplicate). The maximum detection in the Middle Zone was 12.9 pCi/L in well MCF-30B, and the maximum detection in the Deep Zone was 40.4 pCi/L in well MCF-28A. The highest Deep Zone radium 226+28 detections are located in the northern portion of the Site and trend roughly east-west.

3.2.5 Perchlorate

In Shallow Zone wells sampled during the 2009 event, perchlorate was detected in 76 of 82 samples above its BCL of 18 µg/L (perchlorate currently has no MCL). The maximum detection (in an unfiltered sample) was 500,000 µg/L in Shallow Zone well PC-28. In Middle Zone wells, perchlorate was detected in 7 wells, 2 of which had concentrations above the BCL: MCF-12C (430 µg/L) and MCF-32B (19 µg/L). In Deep Zone wells sampled in 2009, perchlorate was detected in 10 samples, at a maximum of 17 µg/L (MCF-28A), but no detections exceeded the perchlorate BCL.

The distribution of perchlorate was plotted and contoured to show the distribution of this analyte in Site groundwater (Figures 327 through 329). Concentration trend graphs for this parameter (wells with the 10 highest detections in 2009) are included in Appendix E.

Similar to the isoconcentration maps for Shallow Zone VOCs, metals and radium 226+228 discussed above, the perchlorate map of 2009 Shallow Zone groundwater data (Figure 327) shows a trend with the highest perchlorate detections extending across the Site from the southwest to the northeast. The highest Shallow Zone perchlorate concentration was measured in off-site well PC-28 at 500,000 µg/L. Perchlorate concentrations exceeding 10,000 µg/L extend from the PC-28 area northeast on either side of the former spray wheel area up to the northeast property boundary. Shallow Zone perchlorate concentrations that exceed those detected at the Site in 2009 have been documented upgradient and off-site to the southwest of the Eastside area (TRONOX, 2006).



3.2.6 Total Dissolved Solids

In Shallow Zone wells sampled during the 2009 event, TDS was detected in 80 of 82 samples, and all 80 of these detections exceed the TDS MCL (secondary) of 500 mg/L. NDEP has not assigned a BCL to TDS. The maximum Shallow Zone TDS detection was 142,000 mg/L in well WMW5.58SD, installed in Las Vegas Wash. On-site, the highest TDS detection in a Shallow Zone well is 14,400 mg/L in well MW-04.

In Middle Zone wells, TDS was detected in all 18 samples, and each detected value exceeded 500 mg/L. The maximum detection in a Middle Zone well was 180,000 mg/L in well MCF-05. In Deep Zone wells sampled in 2009, TDS was detected over 500 mg/L in all 27 wells sampled. The maximum detected concentration in a Deep Zone well was 188,000 mg/L in well MCF-28A.

The distribution of TDS was plotted and contoured to show the distribution of this analyte in Site groundwater (Figures 430 through 432). Concentration trend graphs for this parameter (wells with the 10 highest detections in 2009) are included in Appendix E. Similar to the isoconcentration maps for Shallow Zone VOCs, metals, radium 226+228, and perchlorate discussed above, the TDS map of 2009 Shallow Zone groundwater data shows a trend with the highest TDS detections extending across the Site from the southwest to the northeast. Relatively low TDS concentrations were detected in wells downgradient of the former RIBs. Similar to the Deep Zone radium 226+228 map (Figure 326), the map of 2009 Deep Zone TDS (Figure 432) shows that the wells with the highest TDS detections are located in the northern portion of the Site. As discussed by DBS&A (2009), the Deep Zone TDS detections are consistent with the presence of a paleoevaporite deposit in this area of the Site.

3.2.7 Anions

As discussed in Section 2, CAB calculations completed with prior monitoring event data exceed acceptable criteria detailed in NDEP guidance (NDEP, 2009c) and Section 1030 E of the *Standard Methods for the Examination of Water and Wastewater* (APHA, 1999). Specific field procedures were therefore followed with the 2009 samples (field filtering, field alkalinity, separate shipping) to help develop a better CAB. In addition, BRC discussed the fifth round



CAB failures with the metals and anions laboratory (TestAmerica) prior to the 2009 sampling event, and the laboratory agreed to closely monitor their 2009 results for metals and anions and re-analyze samples, where possible and within protocol, to develop a better overall CAB.

Using the 2009 dataset, a revised CAB calculation table (Appendix F) was developed for both filtered and unfiltered metals and anions. As shown in this table, ~~96~~ ~~93~~ of the ~~116~~ ~~125~~ unfiltered samples (~~80~~ ~~76~~ percent) in the 2009 dataset pass the CAB test with an acceptable variance of less than 5 percent. This percentage is a significant improvement from the CAB prepared with the fifth round data, where 64 of 106 samples (60 percent) passed the CAB criteria.

The percentage of unfiltered samples passing the TDS evaluation criteria in the 2009 dataset was less than the percentage passing in the fifth round dataset; ~~263~~ of the ~~116~~ ~~125~~ samples (~~210~~ percent) passed the TDS criteria for comparison of anion/cation sum to the laboratory measured TDS value, and 18 of the samples (~~145~~ percent) passed the criteria for laboratory-measured TDS versus electrical conductivity. The low percentage of samples passing in the TDS checks appears related to the relatively high TDS concentrations measured in the groundwater samples.

Field filtering resulted in ~~129~~ more samples passing the CAB for 2009: ~~867~~ percent (~~1082~~ of ~~12617~~ samples) of the filtered samples passed the CAB criteria (Appendix F) compared to ~~7680~~ percent (~~963~~ of ~~12516~~ samples) of the unfiltered samples (TDS checks were not evaluated for filtered versus unfiltered samples because all samples were filtered by the laboratory before the TDS analysis).

Field-measured alkalinity does not appear to have a significant effect on the results of the CAB or the TDS criteria checks. The same samples pass and fail the analysis for both field- and laboratory-measured alkalinity (Appendix F).

3.2.8 Tritium and Stable Isotopes

A comprehensive summary and analysis of tritium and stable isotope data is presented in the separate BRC report entitled *Evaluation of Hydrogeologic Zone Connectivity Through Tritium*



and Stable Isotope Sampling and Analysis, BMI Common Areas (Eastside) (Isotope Report) prepared by DBS&A and dated December 29, 2009 (DBS&A, 2009) (NDEP has reviewed and provided comments to this document, dated February 11, 2010, that BRC is currently in the process of addressing). A summary of this report is included in this section because the data were collected as part of the 2009 sampling event and the prior fifth round event.

The presence of an event marker, such as bomb tritium (radioactive isotope of hydrogen), in groundwater can provide evidence that a component of sampled groundwater has recharged during a particular time period. Because of tritium's short half-life (12.32 years), the use of bomb tritium as a hydrologic tracer is relatively temporary. Before significant amounts of tritium were injected into the atmosphere through nuclear activities in the 1950s and 1960s, precipitation had an estimated natural background of approximately 5 to 10 tritium units (TU) (Illinois Environmental Protection Agency, 1997). Radioactive decay of the tritium in any water recharged before the 1950s would therefore leave no detectable tritium today. Tritium content in precipitation in North America since the advent of atmospheric nuclear bomb testing in 1952 reached an atmospheric high in approximately 1963 and has diminished significantly since that time to the present atmospheric levels. In the southern hemisphere, the bomb pulse has already decayed to within 15 TU of natural background. More than 20 years ago, Bentley et al. (1986) reported that bomb tritium will be difficult to detect in 10 to 20 years.

The actual tritium content varies widely with location (Illinois Environmental Protection Agency, 1997). The Santa Maria, California and the Albuquerque, New Mexico stations have tritium monitoring stations with some of the longest monitoring records in the U.S. At Santa Maria, peak atmospheric tritium concentrations of about 1,300 TU were recorded from 1962 through early 1964, but by late 1964, tritium concentrations had diminished to less than 400 TU. Today, atmospheric background levels in the northern hemisphere are between about 5 and 30 TU (IAEA/WMO, 2006).

For 1976, the last year of record at Santa Maria, the average tritium atmospheric content from nine Santa Maria reporting stations was 15.33 TU (IAEA, 2009). Albuquerque, New Mexico reported a mean atmospheric tritium content of 7.3 TU from 12 reporting stations in 2001. These data are in agreement with the statement by the IAEA (2009) that, "Atmospheric tritium



concentrations have been decreasing over the last 30 years and are currently almost at their low, natural levels, making tritium less useful as a hydrological tracer.”

While tritium was chemically analyzed and evaluated for the Site monitoring wells sampled, the evaluation is qualitative and based on the absence or presence of tritium. Nonetheless, it provides an additional useful line of evidence in the interpretation of the source and fate and transport of chemicals at the Site.

Stable isotopes of hydrogen (H) and oxygen (O) were sampled to evaluate the connectivity between the three water-bearing zones and to potentially gain insight as to the origin of the water in the individual zones (DBS&A, 2009).

Laboratory analyses can determine the ratio of isotopes in a water sample. For the Site sample analyses, the isotopic ratios of $^{18}\text{O}/^{16}\text{O}$ and $^2\text{H}/^1\text{H}$ (D/H) were analyzed and interpreted. The laboratory analyses for stable isotopes of hydrogen and oxygen were conducted by Isotech Laboratories, Inc., in Champaign, Illinois.

The isotope ratio from Site samples was compared to the isotopic ratio of a reference material called Vienna Standard Mean Ocean Water (VSMOW). The comparison is made by means of the parameter δ , defined by Fetter (1988) for isotope ratios of oxygen and hydrogen (expressed in parts per thousand [‰]) as:

$$\delta^{18}\text{O} (\text{‰}) = \left[\frac{\left(\frac{^{18}\text{O}}{^{16}\text{O}} \right)_{\text{sample}}}{\left(\frac{^{18}\text{O}}{^{16}\text{O}} \right)_{\text{VSMOW}}} - 1 \right] 10^3$$

$$\delta^2\text{H} (\text{‰}) = \left[\frac{\left(\frac{^2\text{H}}{^1\text{H}} \right)_{\text{sample}}}{\left(\frac{^2\text{H}}{^1\text{H}} \right)_{\text{VSMOW}}} - 1 \right] 10^3$$

It is well established that the isotopic composition of precipitation at a particular location will vary seasonally and with individual storms (Mook, 2006). The isotopic composition of precipitation will also vary among locations depending upon climate and elevation. Nevertheless, the



composition of all precipitation generally falls on a straight line plot of $\delta^2\text{H}$ versus $\delta^{18}\text{O}$. This line is called the Global Meteoric Water Line (GMWL).

After liquid water is formed from vapor (as in precipitation), the isotopic ratios of ^{18}O and ^2H do not change and are locked into the water molecule except when a body of water is exposed to either (1) geothermal heating or (2) evaporation, such as from ponds or lakes in dry climates. The stable isotope concentration of the precipitation can be modified subsequent to precipitation; this modified signature of the soil water can be used to reveal the origin of the water.

Evaporation of soil water or evaporation from a free water surface leads to an increase in the concentration of the stable isotopes ^2H and ^{18}O in the residual water, since the lighter isotopes ^1H and ^{16}O are preferentially lost during evaporation as vapor. This physical process is known as fractionation.

Another process that can change the stable isotope signature of a parcel of water is a rock-water interaction such as exchange with water in hydrated minerals. For example, evaporites such as gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$) are hydrated by the highly fractionated water from which they precipitated, and dissolution of the mineral or exchange of water with the mineral will release this fractionated water into more recently recharged water and shift its isotopic signature in proportion to the mixing.

In geothermal systems, significant isotope exchange of hydrogen and oxygen occurs between rock and water, due to membrane filtration through layers of semipermeable clays as well as hydration or dehydration of secondary minerals. Water that is heated geothermally becomes relatively enriched in ^{18}O due to the water coming into equilibrium with elevated concentrations of that isotope in minerals. Hydrogen is not similarly affected (Mook, 2006).

3.2.8.1 Groundwater Sampling for Tritium and Stable Isotopes

During the fifth round of sampling in 2008, groundwater samples for tritium and stable isotopes were collected from the three water-bearing zones at the Site (DBS&A, 2009). During the 2009 event, additional stable isotope samples were collected from the Deep Zone. No additional



samples were collected for tritium analysis during this event. The results of the laboratory analyses were used to determine if the isotopic character of the water in the three water-bearing zones could be differentiated on the basis of their isotopic signature and to assess the connectivity between the three site water-bearing zones. During the fifth round event in 2008, the following wells were sampled:

- *Northern Site Area (near Las Vegas Wash):* Wells AA-08 (Shallow Zone), MCF-08B-R (Middle Zone), and MCF-17A (Deep Zone)
- *Northern Site Area (upgradient of Northern RIBs):* Wells MCF-05 (Middle Zone) and MCF-20A (Deep Zone) (Shallow Zone Well DM-5 was proposed but not sampled due to lack of water.)
- *Middle Site Area (near high perchlorate and TDS detections):* Wells MCF-16C (Shallow Zone), MCF-16B (Middle Zone), and MCF-16A (Deep Zone)
- *Southern Site Area (near plants sites):* Wells AA-01 (Shallow Zone), MCF-02B (Middle Zone), and MCF-01A (Deep Zone)

Between August 21 and September 29, 2009, additional groundwater samples were collected by Converse Consultants, Inc. (Converse) and analyzed for stable isotopes. The samples from the 2009 monitoring event were collected from the following monitoring wells:

- *MCF-02A:* Located at the southern end of the Site, approximately 1,830 feet north-northwest of the intersection of Boulder Highway and Lake Mead Drive
- *MCF-06A-R:* Located at the north-central edge of the Site, on the boundary with the Weston Hill property
- *MCF-18A:* Located approximately 390 feet west-northwest of the northwest corner of the COH Northern RIBs



- *MCF-18A (FD)*: Field duplicate collected from monitoring well MCF-18A
- *MCF-29A*: Located at the northwestern corner of the Weston Hills property, immediately south of Las Vegas Wash
- *MCF-31A*: Located adjacent to the north-central boundary of the Tuscany Village property
- *MCF-30A*: Located approximately 460 feet east of the northwest corner of the Tuscany Village property, south of the C channel

3.2.8.2 Tritium Results

Two tritium samples (AA-08 and AA-01) collected from wells screened in the Qal contained tritium above the detection limit (1 TU) with activities of 5.18 and 9.88 TU, respectively. These samples represent water that has recharged relatively recently (DBS&A, 2009). Theoretically, this water could have recharged any time since the 1950s or 1960s, when atmospheric levels of tritium were much higher, and the tritium concentrations in the subsurface were then subsequently reduced to present levels by radioactive decay and possibly mixing with older groundwater. However, Site data from aquifer testing indicates that water travel velocities within the Qal are relatively fast. Thus, analysis of tritium samples indicates that the water in the Shallow Zone (Qal) is younger than water in the Middle or Deep Zones.

The remaining samples, collected from wells having various screened interval depths within the UMCf, were below the tritium detection limit. These data suggest that groundwater is on the order of at least 37 years old (assuming that three tritium decay half-lives are required to reduce atmospheric [assumed for this calculation to average 7.5 TU] background concentrations of tritium to below the detection limit of 1 TU) (DBS&A, 2009).

3.2.8.3 Stable Isotope Results

The range of $\delta^2\text{H}$ values measured in the Site samples generally fell within the range of expected $\delta^2\text{H}$ VSMOW values for temperate zone precipitation: -60 to -95 ‰ (Mook, 2006). Likewise, the range of $\delta^{18}\text{O}$ values measured in the Site samples generally fell within the range



of expected $\delta^{18}\text{O}$ VSMOW values for temperate zone precipitation: -2 to -15 ‰ (Mook, 2006). The stable isotope concentrations in most of the Deep Zone wells are relatively high and indicate a source of water that has been strongly fractionated (DBS&A, 2009).

The 2008 samples collected from monitoring wells MCF-05 and MCF-20A are isotopically heavier than, and distinct from, the other samples collected in 2008. Well MCF-20A is a Deep Zone well that has a screened interval from 360 to 380 ft bgs. Well MCF-05 is screened at a relatively deep depth interval within the Middle Zone at 221 to 231 ft bgs. These two wells are located in the vicinity of relatively high TDS concentrations that were reported for samples from the Deep Zone and the Middle Zone. The data represent one line of evidence that the elevated TDS in this area of the Deep and Middle Zones is the result of groundwater that is in contact with a paleoevaporite deposit.

As noted above, six additional Deep Zone wells were sampled in 2009. The data for all of these samples except for MCF-02A indicate that groundwater has undergone isotopic fractionation and is enriched in the heavier isotopes ^{18}O and ^2H . The data lend further support to the interpretation that the elevated TDS in this area of the Deep and Middle Zones is the result of groundwater that is in contact with a paleoevaporitic deposit (DBS&A, 2009).

As depicted in Figure 432, the area of elevated TDS in the Deep Zone is focused at and north of the northern boundary of the Site. Isoconcentration plots of the distribution of groundwater with enriched ^{18}O and ^2H are presented in Figures 433 and 434. Elevated TDS impacts appear coincident with the area of enriched ^2H and ^{18}O .

These figures show a focused region of heavy isotope enrichment in the same area that is characterized by elevated TDS. This coincident occurrence is consistent with and indicative of an area of evaporite deposits (DBS&A, 2009).



4. Path Forward

BRC has completed six rounds of sitewide groundwater sampling and analysis. In discussion with NDEP, BRC has developed a list of AOIs that consists of:

- Alpha BHC
- Arsenic
- Carbon tetrachloride
- Manganese
- Magnesium
- PCE
- Perchlorate
- Radium 226+228
- Selenium
- TDS
- Total and hexavalent chromium
- TTHMs

For any future monitoring events, BRC will conduct laboratory analysis for those analytical parameters listed above or an appropriate subset approved by the NDEP. Annual water level monitoring will be conducted for wells where water levels are relatively stable. Semiannual water level monitoring will be conducted where water levels appear to be relatively unstable or fluctuating (where change is greater than 10 percent of the well water column height compared to the prior round).



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Appendix C

**Summary of
Groundwater Analytical Results
(August-October 2009)**

Appendix C1
Volatile Organic Compounds

VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
 (Page 5 of 36)

Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Units																				
						1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trifluoro-1,2,2-trichloroethane (Freon-113)	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloroethene (total)	1,2-Dichloropropane	1,3,5-Trichlorobenzene	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane
MCL						--	200	--	--	5	--	7	--	--	--	70	--	0.2	600	5	--	5	--	--	--	--
BCL						2.3	200	0.3	876000	5	12	7	--	0.034	--	51	0.2	600	5	--	5	--	590	110	730	
Shallow	MW-15	No	44	N	02/13/07	<0.045 U	<0.035 U	<0.14 U	<0.056 U	<0.092 U	<0.046 U	<0.045 U	<0.078 U	<0.12 U	<0.24 U	<0.091 U	<0.032 U	<0.55 UJ	<0.064 U	<0.11 U	<0.056 U	<0.077 U	<0.17 U	<0.042 U	<0.036 U	<0.052 U
Shallow	MW-15	No	51	N	05/21/08	<0.1 UJ	<0.099 UJ	<0.27 UJ	<0.072 UJ	<0.19 UJ	<0.07 UJ	<0.085 UJ	<0.087 UJ	<0.64 UJ	<0.22 UJ	<0.79 UJ	<0.069 UJ	<0.48 UJ	<0.16 UJ	<0.18 UJ	<0.14 UJ	<0.077 UJ	<0.13 UJ	<0.058 UJ	<0.046 UJ	<0.12 UJ
Shallow	MW-15	No	58	N	09/02/09	<0.16 U	<0.088 U	<0.11 U	<0.12 U	<0.071 U	<0.083 U	<0.11 U	<0.068 U	<0.16 U	<0.23 U	<0.16 U	<0.062 U	<0.2 U	<0.11 U	<0.05 U	<0.21 U	<0.054 U	<0.12 U	<0.11 U	<0.081 U	<0.053 U
Shallow	MW-3	No	44	N	02/14/07	<0.045 U	<0.035 U	<0.14 U	<0.056 U	<0.092 U	<0.046 U	<0.045 U	<0.078 U	<0.12 U	<0.24 U	<0.091 U	<0.032 U	<0.55 UJ	<0.064 U	<0.11 U	<0.056 U	<0.077 U	<0.17 U	<0.042 U	<0.036 U	<0.052 U
Shallow	MW-3	No	51	N	05/09/08	<0.1 U	<0.099 U	<0.27 U	<0.072 U	<0.19 U	<0.07 U	<0.085 U	<0.087 U	<0.64 U	<0.22 U	<0.79 U	<0.069 U	<0.48 U	<0.16 U	<0.18 U	<0.14 U	<0.077 U	<0.13 U	<0.058 U	<0.046 U	<0.12 U
Shallow	MW-3	No	58	N	09/10/09	<0.16 U	<0.088 U	<0.11 U	<0.12 U	<0.071 U	<0.083 U	<0.11 U	<0.068 U	<0.16 U	<0.23 U	<0.16 U	<0.062 U	<0.2 U	<0.11 U	<0.05 U	<0.21 U	<0.054 U	<0.12 U	<0.11 U	<0.081 U	<0.053 U
Shallow	MW-4	No	44	N	02/15/07	<0.045 U	<0.035 U	<0.14 U	<0.056 U	<0.092 U	<0.046 U	<0.045 U	<0.078 U	<0.12 U	<0.24 U	<0.091 U	<0.032 U	<0.55 UJ	<0.064 U	<0.11 U	<0.056 U	<0.077 U	<0.17 U	<0.042 U	<0.036 U	<0.052 U
Shallow	MW-4	No	51	N	05/14/08	<0.1 U	<0.099 U	<0.27 U	<0.072 U	<0.19 U	<0.07 U	<0.085 U	<0.087 U	<0.64 U	<0.22 U	<0.79 U	<0.069 U	<0.48 U	<0.16 U	<0.18 U	<0.14 U	<0.077 U	<0.13 U	<0.058 U	<0.046 U	<0.12 U
Shallow	MW-4	No	58	N	09/16/09	<0.16 U	<0.088 U	<0.11 U	<0.12 U	<0.071 U	<0.083 U	<0.11 U	<0.068 U	<0.16 U	<0.23 U	<0.16 U	<0.062 U	<0.2 U	<0.11 U	<0.05 UJ	<0.21 U	<0.054 U	<0.12 U	<0.11 U	<0.081 U	<0.053 U
Shallow	PC-108	No	37	N	05/09/06	<0.15 U	<0.15 U	<0.28 U	<0.28 U	<0.23 U	<0.16 U	<0.21 U	<0.16 U	<0.12 U	<0.27 U	1.7	<0.22 U	<0.38 UJ	<0.21 U	<0.21 U	<0.35 U	<0.16 U	0.95 J	<0.21 U	0.36 J	<0.21 U
Shallow	PC-108	No	38	N	08/07/06	<0.15 U	<0.15 U	<0.28 U	<0.28 U	<0.23 U	<0.16 U	<0.21 U	<0.16 U	<0.12 U	<0.27 U	0.81 J	<0.22 U	<0.38 UJ	<0.21 U	<0.21 U	<0.35 U	<0.16 U	4.8 J	<0.21 U	0.43 J	<0.21 U
Shallow	PC-108	No	42	N	10/27/06	<0.15 U	<0.15 U	<0.28 U	<0.28 U	<0.23 U	<0.16 U	<0.21 U	<0.16 U	<0.12 U	<0.27 U	0.69 J	<0.22 U	<0.38 UJ	<0.21 U	<0.21 U	<0.35 U	<0.16 U	0.39 J	<0.21 U	0.21 J	<0.21 U
Shallow	PC-108	No	44	N	02/09/07	<0.045 U	<0.035 U	<0.14 U	<0.056 U	<0.092 U	<0.046 U	<0.045 U	<0.078 U	<0.12 U	<0.24 U	0.32 J	<0.032 U	<0.55 U	<0.064 U	<0.11 U	<0.056 U	<0.077 U	0.24 J	<0.042 U	0.31 J	<0.052 U
Shallow	PC-108	No	51	N	05/01/08	<0.1 U	<0.099 U	<0.27 U	<0.072 U	<0.19 U	<0.07 U	<0.085 U	<0.087 U	<0.64 U	<0.22 U	1.1	<0.069 U	<0.48 U	<0.16 U	<0.18 U	<0.14 U	<0.077 U	1.4 J	<0.058 U	0.49 J	<0.12 U
Shallow	PC-108	No	58	N	09/16/09	<0.16 U	<0.088 U	<0.11 U	<0.12 U	<0.071 U	<0.083 U	<0.11 U	<0.068 U	<0.16 U	<0.23 U	0.28 J	<0.062 U	<0.2 U	<0.11 U	<0.05 UJ	<0.21 U	<0.054 U	0.19 J	<0.11 U	0.21 J	<0.053 U
Shallow	PC-2	No	37	N	05/03/06	<0.15 U	<0.15 U	<0.28 U	<0.28 U	<0.23 U	<0.16 U	<0.21 U	<0.16 U	<0.12 U	<0.27 U	<0.12 U	<0.22 U	<0.38 UJ	<0.21 U	<0.21 U	<0.35 U	<0.16 U	<0.17 U	<0.21 U	<0.14 U	<0.21 U
Shallow	PC-2	No	38	N	08/03/06	<0.15 U	<0.15 U	<0.28 U	<0.28 U	<0.23 U	<0.16 U	<0.21 U	<0.16 U	<0.12 U	<0.27 U	<0.12 U	<0.22 U	<0.38 UJ	<0.21 U	<0.21 U	<0.35 U	<0.16 U	<0.17 U	<0.21 U	<0.14 U	<0.21 U
Shallow	PC-2	No	42	N	10/24/06	<0.15 U	<0.15 U	<0.28 U	<0.28 U	<0.23 U	<0.16 U	<0.21 U	<0.16 U	<0.12 U	<0.27 U	<0.12 U	<0.22 U	<0.38 UJ	<0.21 U	<0.21 U	<0.35 U	<0.16 U	<0.17 U	<0.21 U	<0.14 U	<0.21 U
Shallow	PC-2	No	44	N	02/07/07	<0.045 U	<0.035 U	<0.14 U	<0.056 U	<0.092 U	<0.046 U	<0.045 U	<0.078 U	<0.12 U	<0.24 U	<0.091 U	<0.032 U	<0.55 U	<0.064 U	<0.11 U	<0.056 U	<0.077 U	<0.17 U	<0.042 U	<0.036 U	<0.052 U
Shallow	PC-2	No	51	N	04/25/08	<0.1 U	<0.099 U	<0.27 U	<0.072 U	<0.19 U	<0.07 U	<0.085 U	<0.087 U	<0.64 U	<0.22 U	<0.79 U	<0.069 U	<0.48 U	<0.16 U	<0.18 U	<0.14 U	<0.077 U	<0.13 U	<0.058 U	<0.046 U	<0.12 U
Shallow	PC-2	No	58	N	08/19/09	<0.16 U	<0.088 U	<0.11 U	<0.12 U	<0.071 U	<0.083 U	<0.11 U	<0.068 U	<0.16 U	<0.23 U	<0.16 U	<0.062 U	<0.2 U	<0.11 U	<0.05 U	<0.21 U	<0.054 U	<0.12 U	<0.11 U	<0.081 U	<0.053 U
Shallow	PC-24	No	44	N	02/16/07	<0.045 U	<0.035 U	<0.14 U	<0.056 U	<0.092 U	0.43 J	4.8	<0.078 U	<0.12 U	<0.24 U	<0.091 U	<0.032 U	<0.55 UJ	<0.064 U	<0.11 U	<0.056 U	<0.077 U	<0.17 U	<0.042 U	<0.036 U	<0.052 U
Shallow	PC-24	No	51	N	05/05/08	<0.1 U	<0.099 U	<0.27 U	<0.072 U	<0.19 U	0.38 J	3	<0.087 U	<0.64 U	<0.22 U	<0.79 U	<0.069 U	<0.48 U	<0.16 U	<0.18 U	0.19 J	<0.077 U	<0.13 U	<0.058 U	<0.046 U	<0.12 U
Shallow	PC-24	No	58	N	08/20/09	<0.16 U	<0.088 U	<0.11 U	<0.12 U	<0.071 U	0.25 J	2.4	<0.068 U	<0.16 U	<0.23 U	<0.16 U	<0.062 U	<0.2 U	<0.11 U	<0.05 U	<0.21 U	<0.054 U	<0.12 U	<0.11 U	<0.081 U	<0.053 U
Shallow	PC-28	No	44	N	02/21/07	<0.045 U	<0.035 U	<0.14 U	<0.056 U	<0.092 U	<0.046 U	<0.045 U	<0.078 U	<0.12 U	<0.24 U	<0.091 U	<0.032 U	<0.55 UJ	<0.064 U	<0.11 U	<0.056 U	<0.077 U	<0.17 U	<0.042 U	<0.036 U	<0.052 U
Shallow	PC-28	No	51	N	05/05/08	<0.1 U	<0.099 U	<0.27 U	<0.072 U	<0.19 U	<0.07 U	<0.085 U	<0.087 U	<0.64 U	<0.22 U	<0.79 U	<0.069 U	<0.48 U	<0.16 U	<0.18 U	<0.14 U	<0.077 U	<0.13 U	<0.058 U	<0.046 U	<0.12 U
Shallow	PC-28	No	58	N	08/20/09	<0.16 U	<0.088 U	<0.11 U	<0.12 U	<0.071 U	<0.083 U	<0.11 U	<0.068 U	<0.16 U	<0.23 U	<0.16 U	<0.062 U	<0.2 U	<0.11 U	<0.05 U	<0.21 U	<0.054 U	<0.12 U	<0.11 U	<0.081 U	<0.053 U
Shallow	PC-4	No	37	N	05/03/06	<0.15 U	<0.15 U	<0.28 U	<0.28 U	<0.23 U	<0.16 U	<0.21 U	<0.16 U	<0.12 U	<0.27 U	<0.12 U	<0.22 U	<0.38 UJ	<0.21 U	<0.21 U	<0.35 U	<0.16 U	<0.17 U	<0.21 U	<0.14 U	<0.21 U
Shallow	PC-4	No	38	N	08/04/06	<0.15 U	<0.15 U	<0.28 U	<0.28 U	<0.23 U	<0.16 U	<0.21 U	<0.16 U	<0.12 U	<0.27 U	<0.12 U	<0.22 U	<0.38 UJ	<0.21 U	<0.21 U	<0.35 U	<0.16 U	<0.17 U	<0.21 U	<0.14 U	<0.21 U
Shallow	PC-4	No	42	N	10/23/06	<0.15 U	<0.15 U	<0.28 U	<0.28 U	<0.23 U	0.21 J	<0.21 U	<0.16 U	<0.12 U	<0.27 U	<0.12 U	<0.22 U	<0.38 UJ	<0.21 U	<0.21 U	<0.35 U	<0.16 U	<0.17 U	<0.21 U	<0.14 U	<0.21 U
Shallow	PC-4	No	44	N	02/06/07	<0.045 U	<0.035 U	<0.14 U	<0.056 U	<0.092 U	<0.046 U	<0.045 U	<0.078 U	<0.12 U	<0.24 U	<0.091 U	<0.032 U	<0.55 U	<0.064 U	<0.11 U	<0.056 U	<0.077 U	<0.17 U	<0.042 U	<0.036 U	<0.052 U
Shallow	PC-4	No	51	N	04/28/08	<0.1 U	<0.099 U	<0.27 U	<0.072 U	<0.19 U	<0.07 U	<0.085 U	<0.087 U	<0.64 U	<0.22 U	<0.79 U	<0.069 U	<0.48 U	<0.16 U	<0.18 U	<0.14 U	<0.077 U	<0.13 U	<0.058 U	<0.046 U	<0.12 U
Shallow	PC-4	No	58	N	08/19/09	<0.16 U	<0.088 U	<0.11 U	<0.12 U	<0.071 U	0.12 J	0.16 J	<0.068 U	<0.16 U	<0.23 U	<0.16 U	<0.062 U	<0.2 U	<0.11 U	<0.05 U	<0.21 U	<0.054 U	<0.12 U	<0.11 U	<0.081 U	<0.053 U
Shallow	PC-67	No	44	N	02/16/07	<0.045 U	<0.035 U	<0.14 U	<0.056 U	<0.092 U	0.38 J	2.2	<0.078 U	<0.12 U	<0.24 U	<0.091 U	<0.032 U	<0.55 UJ	1.3	<0.11 U	<0.056 U	<0.077 U	<0.17 U	<0.042 U	1.2	<0.052 U
Shallow	PC-67	No	51	N	05/06/08	<0.1 U	<0.099 U	<0.27 U	<0.072 U	<0.19 U	0.29 J	1.1	<0.087 U	<0.64 U	<0.22 U	<0.79 U	<0.069 U	<0.48 U	1.4	<0.18 U	<0.14 U	<0.077 U	<0.13 U	<0.058 U	1.1	<0.12 U
Shallow	PC-67	No	58	N	09/09/09	<0.16 U	<0.088 U	<0.11 U	<0.12 U	<0.071 U	0.21 J	0.8 J	<0.068 U	<0.16 U	<0.23 U	<0.16 U	<0.062 U	<0.2 U	1.1	<0.19 J	<0.21 U	<0.054 U	<0.12 U	<0.11 U	0.82 J	<0.053 U
Shallow	PC-76	No	44	N	02/28/07	<0.045 U	<0.035 U	<0.14 U	<0.056 U	<0.092 U	<0.046 U	<0.045 U	<0.078 U	<0.12 U	<0.24 U	<0.091 U	<0.032 U	<0.55 U	<0.064 U	<0.11 U	<0.056 U	<0.077 U	<0.17 U	<0.042 U	<0.036 U	<0.052 U
Shallow	PC-76	No	51	N	05/14/08	<0.1 U	<0.099 U	<0																		

VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Units																				
						1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trifluoro-1,2,2-trichloroethane (Freon-113)	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene	1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane (DBCP)	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloroethene (total)	1,2-Dichloropropane	1,3,5-Trichlorobenzene	1,3,5-Trimethylbenzene	1,3-Dichlorobenzene	1,3-Dichloropropane
MCL						--	200	--	--	5	--	7	--	--	--	70	--	0.2	600	5	--	5	--	--	--	
BCL						2.3	200	0.3	876000	5	12	7	--	0.034	70	51	0.2	600	5	--	5	--	590	110	730	
Shallow	PC-81	No	51	N	04/29/08	< 0.1 U	< 0.099 U	< 0.27 U	< 0.072 U	< 0.19 U	0.41 J	< 0.085 U	< 0.087 U	< 0.64 U	< 0.22 U	1.2	< 0.069 U	< 0.48 U	< 0.16 U	< 0.18 U	< 0.14 U	< 0.077 U	1.2 J	< 0.058 U	< 0.046 U	< 0.12 U
Shallow	PC-81	No	58	N	09/01/09	< 0.16 U	< 0.088 U	< 0.11 U	< 0.12 U	< 0.071 U	0.33 J	< 0.11 U	< 0.068 U	< 0.16 U	< 0.23 U	0.86 J	< 0.062 U	< 0.2 U	< 0.11 U	< 0.05 U	< 0.21 U	< 0.054 U	0.2 J	< 0.11 U	< 0.081 U	< 0.053 U
Shallow	PC-88	No	51	N	04/30/08	< 0.1 U	< 0.099 U	< 0.27 U	< 0.072 U	< 0.19 U	2.1	< 0.085 U	< 0.087 U	< 0.64 U	< 0.22 U	1.2	< 0.069 U	< 0.48 U	0.32 J	< 0.18 U	< 0.14 U	< 0.077 U	< 0.13 U	< 0.058 U	0.36 J	< 0.12 U
Shallow	PC-88	No	58	N	09/01/09	< 0.16 U	< 0.088 U	< 0.11 U	< 0.12 U	< 0.071 U	2.2	< 0.11 U	< 0.068 U	0.18 J	< 0.23 U	1.1	< 0.062 U	< 0.2 U	0.14 J	0.19 J	< 0.21 U	< 0.054 U	< 0.12 U	< 0.11 U	0.19 J	< 0.053 U
Shallow	PC-90	No	38	N	08/24/06	< 0.15 U	< 0.15 U	< 0.28 U	< 0.28 U	< 0.23 U	2.7 J	< 0.21 U	< 0.16 U	< 0.12 U	< 0.27 U	0.43 J	< 0.22 U	< 0.38 UJ	0.25 J	< 0.21 U	< 0.35 U	< 0.16 U	< 0.17 U	< 0.21 U	0.27 J	< 0.21 U
Shallow	PC-90	No	42	N	10/26/06	< 0.15 U	< 0.15 U	< 0.28 U	< 0.28 U	< 0.23 U	0.42 J	< 0.21 U	< 0.16 U	< 0.12 U	< 0.27 U	< 0.12 U	< 0.22 U	< 0.38 UJ	< 0.21 U	< 0.21 U	< 0.35 U	< 0.16 U	< 0.17 U	< 0.21 U	< 0.14 U	< 0.21 U
Shallow	PC-90	No	44	N	02/05/07	< 0.045 U	< 0.035 U	< 0.14 U	< 0.056 U	< 0.092 U	< 0.046 U	< 0.045 U	< 0.078 U	< 0.12 U	< 0.24 U	< 0.091 U	< 0.032 U	< 0.55 U	< 0.064 U	< 0.11 U	< 0.056 U	< 0.077 U	< 0.17 U	< 0.042 U	< 0.036 U	< 0.052 U
Shallow	PC-90	No	51	N	05/01/08	< 0.1 U	< 0.099 U	< 0.27 U	< 0.072 U	< 0.19 U	1.6	< 0.085 U	< 0.087 U	< 0.64 U	< 0.22 U	< 0.79 U	< 0.069 U	< 0.48 U	< 0.16 U	< 0.18 U	< 0.14 U	< 0.077 U	< 0.13 U	< 0.058 U	< 0.046 U	< 0.12 U
Shallow	PC-90	No	58	N	09/09/09	< 0.16 U	< 0.088 U	< 0.11 U	< 0.12 U	< 0.071 U	1.1	< 0.11 U	< 0.068 U	< 0.16 U	< 0.23 U	0.56 J	< 0.062 U	< 0.2 U	< 0.11 U	< 0.05 U	< 0.21 U	< 0.054 U	< 0.12 U	< 0.11 U	0.082 J	< 0.053 U
Shallow	PC-94	No	37	N	05/05/06	< 0.15 U	< 0.15 U	< 0.28 U	< 0.28 U	< 0.23 U	< 0.16 U	< 0.21 U	< 0.16 U	< 0.12 U	< 0.27 U	< 0.12 U	< 0.22 U	< 0.38 UJ	< 0.21 U	< 0.21 U	< 0.35 U	< 0.16 U	< 0.17 U	< 0.21 U	< 0.14 U	< 0.21 U
Shallow	PC-94	No	38	N	08/07/06	< 0.15 U	< 0.15 U	< 0.28 U	< 0.28 U	< 0.23 U	< 0.16 U	< 0.21 U	< 0.16 U	< 0.12 U	< 0.27 U	< 0.12 U	< 0.22 U	< 0.38 UJ	< 0.21 U	< 0.21 U	< 0.35 U	< 0.16 U	< 0.17 U	< 0.21 U	< 0.14 U	< 0.21 U
Shallow	PC-94	No	42	N	10/27/06	< 0.15 U	< 0.15 U	< 0.28 U	< 0.28 U	< 0.23 U	< 0.16 U	< 0.21 U	< 0.16 U	< 0.12 U	< 0.27 U	< 0.12 U	< 0.22 U	< 0.38 UJ	< 0.21 U	< 0.21 U	< 0.35 U	< 0.16 U	< 0.17 U	< 0.21 U	< 0.14 U	< 0.21 U
Shallow	PC-94	No	44	N	02/02/07	< 0.045 U	< 0.035 U	< 0.14 U	< 0.056 U	< 0.092 U	< 0.046 U	< 0.045 U	< 0.078 U	< 0.12 U	< 0.24 U	< 0.091 U	< 0.032 U	< 0.55 U	< 0.064 U	< 0.11 U	< 0.056 U	< 0.077 U	< 0.17 U	< 0.042 U	< 0.036 U	< 0.052 U
Shallow	PC-94	No	51	N	04/30/08	< 0.1 U	< 0.099 U	< 0.27 U	< 0.072 U	< 0.19 U	< 0.07 U	< 0.085 U	< 0.087 U	< 0.64 U	< 0.22 U	< 0.79 U	< 0.069 U	< 0.48 U	< 0.16 U	< 0.18 U	< 0.14 U	< 0.077 U	< 0.13 U	< 0.058 U	< 0.046 U	< 0.12 U
Shallow	PC-94	No	58	N	09/09/09	< 0.16 U	< 0.088 U	< 0.11 U	< 0.12 U	< 0.071 U	< 0.083 U	< 0.11 U	< 0.068 U	< 0.16 U	< 0.23 U	< 0.16 U	< 0.062 U	< 0.2 U	< 0.11 U	< 0.05 U	< 0.21 U	< 0.054 U	< 0.12 U	< 0.11 U	< 0.081 U	< 0.053 U
Shallow	POD2-R	No	37	N	05/08/06	< 0.15 U	< 0.15 U	< 0.28 U	< 0.28 U	< 0.23 U	< 0.16 U	< 0.21 U	< 0.16 U	< 0.12 U	< 0.27 U	< 0.12 U	< 0.22 U	< 0.38 UJ	< 0.21 U	< 0.21 U	< 0.35 U	< 0.16 U	< 0.17 U	< 0.21 U	< 0.14 U	< 0.21 U
Shallow	POD2-R	No	38	N	08/03/06	< 0.15 U	< 0.15 U	< 0.28 U	< 0.28 U	< 0.23 U	< 0.16 U	< 0.21 U	< 0.16 U	< 0.12 U	< 0.27 U	< 0.12 U	< 0.22 U	< 0.38 UJ	< 0.21 U	< 0.21 U	< 0.35 U	< 0.16 U	< 0.17 U	< 0.21 U	< 0.14 U	< 0.21 U
Shallow	POD2-R	No	42	N	10/20/06	< 0.15 U	< 0.15 U	< 0.28 U	< 0.28 U	< 0.23 U	< 0.16 U	0.25 J	< 0.16 U	< 0.12 U	< 0.27 U	< 0.12 U	< 0.22 U	< 0.38 UJ	< 0.21 U	< 0.21 U	< 0.35 U	< 0.16 U	< 0.17 U	< 0.21 U	< 0.14 U	< 0.21 U
Shallow	POD2-R	No	44	N	01/26/07	< 0.045 U	< 0.035 U	< 0.14 U	< 0.056 U	< 0.092 U	< 0.046 U	0.4 J	< 0.078 U	< 0.12 U	< 0.24 U	< 0.091 U	< 0.032 U	< 0.55 U	< 0.064 U	< 0.11 U	< 0.056 U	< 0.077 U	< 0.17 U	< 0.042 U	< 0.036 U	< 0.052 U
Shallow	POD2-R	No	51	N	04/23/08	< 0.1 U	< 0.099 U	< 0.27 U	< 0.072 U	< 0.19 U	< 0.07 U	< 0.085 U	< 0.087 U	< 0.64 U	< 0.22 U	< 0.79 U	< 0.069 U	< 0.48 U	< 0.16 U	< 0.18 U	< 0.14 U	< 0.077 U	< 0.13 U	< 0.058 U	< 0.046 U	< 0.12 U
Shallow	POD2-R	No	58	N	09/14/09	< 0.16 U	< 0.088 U	< 0.11 U	< 0.12 U	< 0.071 U	< 0.083 U	< 0.11 U	< 0.068 U	< 0.16 U	< 0.23 U	< 0.16 U	< 0.062 U	< 0.2 U	< 0.11 U	< 0.05 UJ	< 0.21 U	< 0.054 U	< 0.12 U	< 0.11 U	< 0.081 U	< 0.053 U
Shallow	POD8	No	37	N	04/28/06	< 0.15 U	< 0.15 U	< 0.28 U	< 0.28 U	< 0.23 U	< 0.16 U	< 0.21 U	< 0.16 U	< 0.12 U	< 0.27 U	< 0.12 U	< 0.22 U	< 0.38 U	< 0.21 U	< 0.21 U	< 0.35 U	< 0.16 U	< 0.17 U	< 0.21 U	< 0.14 U	< 0.21 U
Shallow	POD8	No	38	N	08/02/06	< 0.15 U	< 0.15 U	< 0.28 U	< 0.28 U	< 0.23 U	< 0.16 U	< 0.21 U	< 0.16 U	< 0.12 U	< 0.27 U	< 0.12 U	< 0.22 U	< 0.38 UJ	< 0.21 U	< 0.21 U	< 0.35 U	< 0.16 U	< 0.17 U	< 0.21 U	< 0.14 U	< 0.21 U
Shallow	POD8	No	42	N	10/20/06	< 0.15 U	< 0.15 U	< 0.28 U	< 0.28 U	< 0.23 U	< 0.16 U	< 0.21 U	< 0.16 U	< 0.12 U	< 0.27 U	< 0.12 U	< 0.22 U	< 0.38 UJ	< 0.21 U	< 0.21 U	< 0.35 U	< 0.16 U	< 0.17 U	< 0.21 U	< 0.14 U	< 0.21 U
Shallow	POD8	No	44	N	01/26/07	< 0.045 U	< 0.035 U	< 0.14 U	< 0.056 U	< 0.092 U	< 0.046 U	< 0.045 U	< 0.078 U	< 0.12 U	< 0.24 U	< 0.091 U	< 0.032 U	< 0.55 U	< 0.064 U	< 0.11 U	< 0.056 U	< 0.077 U	< 0.17 U	< 0.042 U	< 0.036 U	< 0.052 U
Shallow	POD8	No	51	N	04/23/08	< 0.1 U	< 0.099 U	< 0.27 U	< 0.072 U	< 0.19 U	< 0.07 U	< 0.085 U	< 0.087 U	< 0.64 U	< 0.22 U	< 0.79 U	< 0.069 U	< 0.48 U	< 0.16 U	< 0.18 U	< 0.14 U	< 0.077 U	< 0.13 U	< 0.058 U	< 0.046 U	< 0.12 U
Shallow	POD8	No	58	N	09/03/09	< 0.16 U	< 0.088 U	< 0.11 U	< 0.12 U	< 0.071 U	< 0.083 U	< 0.11 U	< 0.068 U	< 0.16 U	< 0.23 U	< 0.16 U	< 0.062 U	< 0.2 U	< 0.11 U	< 0.05 U	< 0.21 U	< 0.054 U	< 0.12 U	< 0.11 U	< 0.081 U	< 0.053 U
Shallow	POU3	No	37	N	04/27/06	< 0.15 U	< 0.15 U	< 0.28 U	< 0.28 U	< 0.23 U	0.4 J	1.6	< 0.16 U	< 0.12 U	< 0.27 U	0.32 J	< 0.22 U	< 0.38 U	17	0.42 J	< 0.35 U	0.24 J	< 0.17 U	< 0.21 U	1.3	< 0.21 U
Shallow	POU3	No	38	N	07/31/06	< 0.15 U	< 0.15 U	< 0.28 U	< 0.28 U	< 0.23 U	0.75 J	1.6	0.25 J	< 0.12 U	< 0.27 U	< 0.12 U	< 0.22 U	< 0.38 UJ	16	< 0.21 U	0.68 J	0.87 J	< 0.17 U	< 0.21 U	1.2	< 0.21 U
Shallow	POU3	No	42	N	10/18/06	< 0.15 U	< 0.15 U	< 0.28 U	< 0.28 U	< 0.23 U	0.99 J	1.9	0.33 J	< 0.12 U	< 0.27 U	< 0.12 U	< 0.22 U	< 0.38 UJ	12	1.9	0.76 J	1.2	< 0.17 U	< 0.21 U	0.85 J	< 0.21 U
Shallow	POU3	No	44	N	01/25/07	< 0.045 U	< 0.035 U	< 0.14 U	< 0.056 U	< 0.092 U	0.93 J	2.2	0.34 J	< 0.12 U	< 0.24 U	< 0.091 U	< 0.032 U	< 0.55 U	12	1.5	0.84 J	1.2	< 0.17 U	< 0.21 U	0.92 J	< 0.052 U
Shallow	POU3	No	51	N	04/22/08	< 0.1 U	< 0.099 U	< 0.27 U	< 0.072 U	< 0.19 U	0.51 J	0.7 J	< 0.087 U	< 0.64 U	< 0.22 U	< 0.79 U	< 0.069 U	< 0.48 U	8.8	< 0.18 U	< 0.14 U	0.63 J	< 0.13 U	< 0.058 U	0.54 J	< 0.12 U
Shallow	POU3	No	58	N	09/22/09	< 0.16 U	< 0.088 U	< 0.11 U	< 0.12 U	< 0.12 J	0.84 J	1.7	0.32 J	< 0.16 U	< 0.23 U	< 0.16 U	< 0.062 U	< 0.2 U								

VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Units																					
						1,4-Dichlorobenzene	2,2,3-Trimethylbutane	2,2-Dichloropropane	2,2-Dimethylpentane	2,3-Dimethylpentane	2,4-Dimethylpentane	2-Chlorotoluene	2-Hexanone	2-Methylhexane	2-Nitropropane	3,3-Dimethylpentane	3-Ethylpentane	3-Methylhexane	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Acetonitrile	Benzene	Bromobenzene	Bromodichloromethane	Bromoform	Bromomethane
MCL						75	--	--	--	--	--	--	--	--	--	--	--	--	--	5	--	--	--	--			
BCL						75	--	--	--	--	--	730	--	--	0.0063	--	--	--	2900	32600	440	5	490	1.1	8.5	48	
Shallow	AA-01	No	27	N	07/15/04	<1 U	--	<1 U	--	--	--	<1 U	<5 U	--	--	--	<1 U	<2 U	<10 U	<1 U	<1 U	<1 U	<1 U	<2 U			
Shallow	AA-01	No	37	N	04/26/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 UJ	<0.13 U	<0.54 UJ	<0.1 U	<0.1 U	<0.1 U	<0.2 U	<0.53 U	<0.8 U	<3.5 UJ	<0.17 U	<0.25 U	<0.14 U	<0.21 U	<0.28 U
Shallow	AA-01	No	38	N	08/01/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<10 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	AA-01	No	42	N	10/18/06	<0.2 UJ	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 UJ	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 UJ	<0.2 UJ	<0.53 U	<0.8 U	<3.5 U	<0.17 UJ	<0.17 U	0.21 J	<0.21 U	<0.28 U
Shallow	AA-01	No	44	N	01/25/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 U	<0.13 U	<0.73 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 U	<1.5 UJ	<0.064 U	<0.08 U	<0.064 U	<0.12 U	<0.085 U
Shallow	AA-01	No	51	N	04/22/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 UJ	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Shallow	AA-01	No	58	N	08/07/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 U	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Shallow	AA-07	No	27	N	07/24/04	<1 U	--	<1 U	--	--	--	<1 U	<5 UJ	--	--	--	--	--	<1 U	<2 UJ	<2 UJ	<10 U	<1 U	<1 U	<1 U	<1 U	0.31 J
Shallow	AA-07	No	37	N	06/06/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 UJ	<0.13 U	<0.54 U	<0.1 U	<10 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 UJ	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	AA-07	No	38	N	08/16/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	AA-07	No	42	N	11/03/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	0.37 J	<0.21 U	<0.28 U
Shallow	AA-07	No	44	N	02/26/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 UJ	<0.13 U	<0.73 UJ	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 UJ	<1.5 UJ	<0.064 U	<0.08 U	<0.064 U	<0.12 U	<0.085 U
Shallow	AA-07	No	51	N	04/21/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 UJ	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Shallow	AA-07	No	58	N	08/10/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 U	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Shallow	AA-08	No	27	N	07/19/04	<1 U	--	<1 U	--	--	--	<1 U	<5 U	--	--	--	--	--	<1 U	<2 U	<2 U	<10 U	<1 U	<1 U	<1 U	<1 U	<2 U
Shallow	AA-08	No	37	N	05/25/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<10 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	AA-08	No	38	N	08/14/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	AA-08	No	42	N	11/01/06	<0.2 UJ	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 UJ	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 UJ	<0.53 U	<0.8 U	<3.5 U	<0.17 UJ	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	AA-08	No	44	N	02/08/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 U	<0.13 U	<0.73 UJ	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 U	<1.5 UJ	<0.064 U	<0.08 U	<0.064 U	<0.12 U	<0.085 U
Shallow	AA-08	No	51	N	05/16/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	8.7	<4.2 U	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Shallow	AA-08	No	58	N	08/14/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 UJ	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 U	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Shallow	AA-09	No	27	N	07/20/04	<1 U	--	<1 U	--	--	--	<1 U	<5 UJ	--	--	--	--	--	<1 U	<2 U	<2 U	<10 U	<1 U	<1 U	<1 U	<1 UJ	<2 U
Shallow	AA-09	No	37	N	05/01/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	AA-09	No	38	N	08/11/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	AA-09	No	42	N	10/23/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 UJ	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	AA-09	No	44	N	01/26/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 U	<0.13 U	<0.73 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 U	<1.5 UJ	<0.064 U	<0.08 U	<0.064 U	<0.12 U	<0.085 U
Shallow	AA-09	No	51	N	05/16/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 U	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Shallow	AA-09	No	58	N	08/12/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 U	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Shallow	AA-10	No	27	N	07/20/04	<1 U	--	<1 U	--	--	--	<1 U	<5 U	--	--	--	--	--	<1 U	<2 U	2.2	<10 U	<1 U	<1 U	<1 U	<1 U	<2 U
Shallow	AA-10	No	37	N	05/12/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<10 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	AA-10	No	38	N	08/11/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	AA-10	No	42	N	10/27/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	AA-10	No	44	N	02/05/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 U	<0.13 U	<0.73 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 U	<1.5 UJ	<0.064 U	<0.08 U	<0.064 U	<0.12 U	<0.085 U
Shallow	AA-10	No	51	N	05/12/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 U	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Shallow	AA-10	No	58	N	08/11/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 U	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Shallow	AA-13	No	27	N	07/14/04	<1 U	--	<1 U	--	--	--	<1 U	<5 U	--	--	--	--	--	<1 U	<2 UJ+	<2 UJ+	<10 U	<1 U	<1 U	<1 U	<1 U	<2 UJ+
Shallow	AA-13	No	37	N	05/12/06	<0.2 UJ	<0.4 UJ	<0.11 UJ	<0.1 UJ	<0.11 UJ	<0.1 UJ	<0.21 UJ	<0.19 UJ	<0.13 UJ	<0.54 UJ	<0.1 UJ	<10 UJ	<0.066 U	<0.2 UJ	<0.53 UJ	<0.8 UJ	<3.5 UJ	<0.17 UJ	<0.17 UJ	<0.14 UJ	<0.21 UJ	<0.28 UJ
Shallow	AA-13	No	38	N	08/03/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<10 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	AA-13	No	42	N	10/20/06	<0.2 UJ	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 UJ	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 UJ								

VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVS	Sample Type	Sample Date	1,4-Dichlorobenzene	2,2,3-Trimethylbutane	2,2-Dichloropropane	2,2-Dimethylpentane	2,3-Dimethylpentane	2,4-Dimethylpentane	2-Chlorotoluene	2-Hexanone	2-Methylhexane	2-Nitropropane	3,3-Dimethylpentane	3-Ethylpentane	3-Methylhexane	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Acetonitrile	Benzene	Bromobenzene	Bromodichloromethane	Bromoform	Bromomethane
						ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
						Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
						MCL	75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5	--	--	--	--	
						BCL	75	--	--	--	--	730	--	--	0.0063	--	--	--	--	2900	32600	440	5	490	1.1	8.5	48
Shallow	DM-1	No	58	N	10/01/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<0.42 UJ	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Shallow	HMW-08	No	44	N	02/02/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 U	<0.13 U	<0.73 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 U	<1.5 UJ	<0.064 U	<0.08 U	<0.064 U	<0.12 U	<0.085 U
Shallow	HMW-08	No	51	N	05/06/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 U	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Shallow	HMW-08	No	58	N	09/29/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 UJ	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Shallow	HMW-09	No	44	N	02/09/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 UJ	<0.13 U	<0.73 UJ	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 U	<1.5 UJ	<0.064 U	<0.08 U	<0.064 U	<0.12 U	<0.085 U
Shallow	HMW-09	No	51	N	05/06/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 U	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Shallow	HMW-09	No	58	N	09/28/09	0.13 J	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 UJ	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Shallow	HMWWT-6	No	44	N	02/21/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 UJ	<0.13 U	<0.73 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 UJ	<1.5 U	<0.064 U	<0.08 U	0.26 J	<0.12 U	<0.085 U
Shallow	HMWWT-6	No	51	N	04/25/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 U	<0.032 U	<0.18 U	0.24 J	<0.27 U	<0.5 U
Shallow	HMWWT-6	No	58	N	09/04/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 UJ	<0.06 U	<0.084 U	0.66 J	<0.15 U	<0.096 U
Shallow	MCF-01B	No	27	N	07/24/04	<1 U	--	<1 U	--	--	--	<1 U	<5 UJ	--	--	--	--	--	<1 U	<2 UJ	<2 UJ	<10 U	<1 U	<1 U	<1 U	<1 U	<2 U
Shallow	MCF-01B	No	37	N	05/11/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	MCF-01B	No	38	N	07/31/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	MCF-01B	No	42	N	11/06/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	MCF-01B	No	44	N	02/14/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 UJ	<0.13 U	<0.73 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 UJ	<1.5 U	<0.064 U	<0.08 U	0.19 J	<0.12 U	<0.085 U
Shallow	MCF-01B	No	51	N	04/23/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 U	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Shallow	MCF-01B	No	58	N	08/07/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 U	<0.06 U	<0.084 U	0.11 J	<0.15 U	<0.096 U
Shallow	MCF-03B	No	27	N	07/24/04	0.14 J	--	<1 U	--	--	--	<1 U	<5 UJ	--	--	--	--	--	<1 U	0.6 J	<2 UJ	<10 U	<1 U	<1 U	<1 U	<1 U	0.34 J
Shallow	MCF-03B	No	37	N	05/12/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	MCF-03B	No	38	N	08/16/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	MCF-03B	No	42	N	11/03/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	MCF-03B	No	44	N	02/20/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 UJ	<0.13 U	<0.73 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 UJ	<1.5 U	<0.064 U	<0.08 U	<0.064 U	<0.12 U	<0.085 U
Shallow	MCF-03B	No	51	N	04/29/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 U	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Shallow	MCF-03B	No	58	N	08/17/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 UJ	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 U	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Shallow	MCF-06B	No	27	N	07/26/04	<1 U	--	<1 U	--	--	--	<1 U	<5 U	--	--	--	--	--	<1 U	<2 U	<2 U	<10 U	<1 UJ	<1 U	<1 U	<1 U	<2 U
Shallow	MCF-06B	No	37	N	05/18/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	MCF-06B	No	38	N	08/09/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	MCF-06B	No	42	N	10/31/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	MCF-06B	No	44	N	02/01/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 U	<0.13 U	<0.73 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 U	<1.5 UJ	<0.064 U	<0.08 U	<0.064 U	<0.12 U	<0.085 U
Shallow	MCF-06B	No	51	N	05/02/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 UJ	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 U	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Shallow	MCF-06B	No	58	N	08/28/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	14	<4.2 UJ	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Shallow	MCF-06C	No	27	N	07/26/04	<1 U	--	<1 U	--	--	--	<1 U	<5 U	--	--	--	--	--	<1 U	<2 U	<2 U	<10 U	<1 U	<1 U	<1 U	<1 U	<2 U
Shallow	MCF-06C	No	37	N	05/22/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	MCF-06C	No	38	N	08/08/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U																		

**VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Units																					
						1,4-Dichlorobenzene	2,2,3-Trimethylbutane	2,2-Dichloropropane	2,2-Dimethylpentane	2,3-Dimethylpentane	2,4-Dimethylpentane	2-Chlorotoluene	2-Hexanone	2-Methylhexane	2-Nitropropane	3,3-Dimethylpentane	3-Ethylpentane	3-Methylhexane	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Acetonitrile	Benzene	Bromobenzene	Bromodichloromethane	Bromoform	Bromomethane
						MCL	75	--	--	--	--	--	--	--	--	--	--	--	5	--	--	--	--				
						BCL	75	--	--	--	--	730	--	--	--	--	--	2900	32600	440	5	490	1.1	8.5	48		
Shallow	PC-81	No	51	N	04/29/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 U	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Shallow	PC-81	No	58	N	09/01/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 UJ	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Shallow	PC-88	No	51	N	04/30/08	0.75 J	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 U	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Shallow	PC-88	No	58	N	09/01/09	0.95 J	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 UJ	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Shallow	PC-90	No	38	N	08/24/06	0.45 J	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U	
Shallow	PC-90	No	42	N	10/26/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	PC-90	No	44	N	02/05/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 U	<0.13 U	<0.73 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 U	<1.5 UJ	<0.064 U	<0.08 U	<0.064 U	<0.12 U	<0.085 U
Shallow	PC-90	No	51	N	05/01/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 U	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Shallow	PC-90	No	58	N	09/09/09	0.42 J	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 UJ	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Shallow	PC-94	No	37	N	05/05/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.1 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	PC-94	No	38	N	08/07/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<10 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	PC-94	No	42	N	10/27/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 UJ	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	PC-94	No	44	N	02/02/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 U	<0.13 U	<0.73 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 U	<1.5 UJ	<0.064 U	<0.08 U	<0.064 U	<0.12 U	<0.085 U
Shallow	PC-94	No	51	N	04/30/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 U	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Shallow	PC-94	No	58	N	09/09/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 UJ	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Shallow	POD2-R	No	37	N	05/08/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.1 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 UJ	<0.14 U	<0.21 U	<0.28 U
Shallow	POD2-R	No	38	N	08/03/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<10 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	POD2-R	No	42	N	10/20/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 UJ	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	POD2-R	No	44	N	01/26/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 U	<0.13 U	<0.73 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 U	<1.5 UJ	<0.064 U	<0.08 U	<0.064 U	<0.12 U	<0.085 U
Shallow	POD2-R	No	51	N	04/23/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 U	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Shallow	POD2-R	No	58	N	09/14/09	<0.11 U	<0.23 U	<0.1 UJ	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 UJ	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Shallow	POD8	No	37	N	04/28/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 UJ	<0.13 U	<0.54 UJ	<0.1 U	<0.1 U	<0.1 U	<0.2 U	<0.53 U	<0.8 U	<3.5 UJ	<0.17 U	<0.25 U	<0.14 U	<0.21 U	<0.28 U
Shallow	POD8	No	38	N	08/02/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<10 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	POD8	No	42	N	10/20/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 UJ	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Shallow	POD8	No	44	N	01/26/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 U	<0.13 U	<0.73 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 U	<1.5 UJ	<0.064 U	<0.08 U	<0.064 U	<0.12 U	<0.085 U
Shallow	POD8	No	51	N	04/23/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 U	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Shallow	POD8	No	58	N	09/03/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 UJ	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Shallow	POU3	No	37	N	04/27/06	4.5	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 UJ	<0.13 U	<0.54 UJ	<0.1 U	<0.1 U	<0.1 U	<0.2 U	<0.53 U	<0.8 U	<3.5 UJ	<0.17 U	<0.25 U	6	3	<0.28 U
Shallow	POU3	No	38	N	07/31/06	2.4	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<10 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	0.26 J	<0.17 U	24	9.5	<0.28 U
Shallow	POU3	No	42	N	10/18/06	1.7	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 UJ	<0.2 U	<0.53 U	<0.8 U	<3.5 U	0.32 J	<0.17 U	32	9.9	<0.28 U
Shallow	POU3	No	44	N	01/25/07	1.9	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 U	<0.13 U	<0.73 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 U	<1.5 UJ	<0.064 U	<0.08 U	27	11	<0.085 U
Shallow	POU3	No	51	N	04/22/08	1.2	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 U	0.18 J	<0.18 U	15	7.7	<0.5 U
Shallow	POU3	No	58	N	09/22/09	1.1	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 UJ	0.16 J	<0.084 U	26	12	<0.096 U
Shallow	WMW5.58SD	No	44	N	02/06/07	<0.47 U	<4 U	<0.39 U	<1 U	<1.1 U	<1 U	<0.53 U	<10 U	<1.3 U	<0.73 U	<1 U	<1 U	<0.66 U	<0.49 U	<2.1 U	<8 U	<15 UJ	<0.64 U	<0.8 U	<0.64 U	<1.2 U	<0.85 U
Shallow	WMW5.58SD	No	51	N	05/16/08	<0.1 UJ	<0.16 UJ	<0.084 UJ	<0.093 UJ	<0.11 UJ	<0.14 UJ	<0.068 UJ	<0.08 UJ	<0.12 UJ	<0.034 UJ	<0.17 UJ	<0.13 UJ	<0.1 UJ	<0.068 UJ	<0.72 UJ	3.8 J	<4.2 UJ	0.2 J	<0.18 UJ	<0.088 UJ	<0.27 UJ	<0.5 UJ
Shallow	WMW5.58SD	No	58	N	09/09/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	16 J+	<4.2 UJ	0.16 J+	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Shallow	WMW5.58SD	No	58	FD	09/09/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	15 J+	<4.2 UJ	0.15 J+	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Shallow	WMW5.58SI	No	44	N	02/01/07	0.47 J	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 U														

VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Units																					
						1,4-Dichlorobenzene	2,2,3-Trimethylbutane	2,2-Dichloropropane	2,2-Dimethylpentane	2,3-Dimethylpentane	2,4-Dimethylpentane	2-Chlorotoluene	2-Hexanone	2-Methylhexane	2-Nitropropane	3,3-Dimethylpentane	3-Ethylpentane	3-Methylhexane	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Acetonitrile	Benzene	Bromobenzene	Bromodichloromethane	Bromoform	Bromomethane
MCL						75	--	--	--	--	--	730	--	--	--	--	--	--	--	--	5	--	--	--			
BCL						75	--	--	--	--	--	730	--	--	0.0063	--	--	--	--	2900	32600	440	5	490	1.1	8.5	48
Middle	MCF-02B	No	58	N	08/21/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 UJ	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 U	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Middle	MCF-05	No	27	N	07/25/04	<1 U	--	<1 U	--	--	--	<1 U	<5 UJ	--	--	--	--	--	<1 U	<2 UJ	140 J	<10 U	0.26 J	<1 U	<1 U	<1 U	<2 U
Middle	MCF-05	No	37	N	05/17/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<10 U	<10 U	<0.2 U	<0.53 U	35	<3.5 U	0.65 J+	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Middle	MCF-05	No	38	N	08/10/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<10 U	<10 U	<0.2 U	<0.53 U	23 J+	<3.5 U	0.39 J+	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Middle	MCF-05	No	42	N	11/14/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<10 U	<10 U	<0.2 U	<0.53 U	13 J+	<3.5 U	0.43 J+	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Middle	MCF-05	No	44	N	01/31/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 U	<0.13 U	<0.73 U	<0.1 U	<10 U	<10 U	<0.2 U	<0.53 U	13 J+	<1.5 UJ	0.5 J+	<0.08 U	<0.064 U	<0.12 U	<0.085 U
Middle	MCF-05	No	51	N	04/30/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 UJ	<4.2 U	0.32 J+	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Middle	MCF-05	No	58	N	08/28/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 UJ	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	9.1	<4.2 UJ	0.51 J	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Middle	MCF-08B-R	No	58	N	08/21/09	0.99 J	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 UJ	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 U	0.14 J	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Middle	MCF-08B-R	No	58	FD	08/21/09	1	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 UJ	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 U	0.18 J	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Middle	MCF-09B	No	27	N	07/20/04	<1 U	--	<1 U	--	--	--	<1 U	<5 UJ	--	--	--	--	--	<1 U	<2 U	<10 U	<1 U	<1 U	<1 U	<1 UJ	<2 U	
Middle	MCF-09B	No	37	N	05/03/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<10 U	<10 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Middle	MCF-09B	No	38	N	08/04/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<10 U	<10 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Middle	MCF-09B	No	42	N	10/25/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<10 U	<10 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Middle	MCF-09B	No	44	N	02/12/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 UJ	<0.13 U	<0.73 U	<0.1 U	<10 U	<10 U	<0.2 U	<0.53 U	<0.8 UJ	<1.5 UJ	<0.064 U	<0.08 U	<0.064 U	<0.12 U	<0.085 U
Middle	MCF-09B	No	51	N	04/25/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 UJ	<4.2 U	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Middle	MCF-09B	No	58	N	08/17/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 UJ	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 U	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Middle	MCF-09B	No	58	FD	08/17/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 UJ	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 U	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Middle	MCF-10B	No	27	N	07/21/04	<1 U	--	<1 U	--	--	--	<1 U	<5 UJ	--	--	--	--	--	<1 U	<2 U	<10 U	<1 U	<1 U	<1 U	<1 U	<2 U	
Middle	MCF-10B	No	37	N	05/18/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<10 U	<10 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Middle	MCF-10B	No	38	N	08/15/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<10 U	<10 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Middle	MCF-10B	No	42	N	11/10/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<10 U	<10 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Middle	MCF-10B	No	44	N	02/27/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 UJ	<0.13 U	<0.73 UJ	<0.1 U	<10 U	<10 U	<0.2 U	<0.53 U	<0.8 UJ	<1.5 UJ	<0.064 U	<0.08 U	<0.064 U	<0.12 U	<0.085 U
Middle	MCF-10B	No	51	N	05/08/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 UJ	<4.2 U	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Middle	MCF-10B	No	58	N	08/18/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 UJ	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 U	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Middle	MCF-11	No	27	N	07/27/04	<1 U	--	<1 U	--	--	--	<1 U	<5 U	--	--	--	--	--	<1 U	<2 U	<2 U	<10 U	<1 U	<1 U	<1 U	<1 U	0.35 J
Middle	MCF-11	No	37	N	05/16/06	<0.2 UJ	<0.4 UJ	<0.11 UJ	<0.1 UJ	<0.11 UJ	<0.1 UJ	<0.21 UJ	<0.19 UJ	<0.13 UJ	<0.54 UJ	<0.1 UJ	<10 UJ	<10 UJ	<0.2 UJ	<0.53 UJ	<0.8 UJ	<3.5 UJ	<0.17 UJ	<0.17 UJ	<0.14 UJ	<0.21 UJ	<0.28 UJ
Middle	MCF-11	No	38	N	08/18/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<10 U	<10 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Middle	MCF-11	No	42	N	10/27/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<10 U	<10 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Middle	MCF-11	No	44	N	02/23/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 UJ	<0.13 U	<0.73 UJ	<0.1 U	<10 U	<10 U	<0.2 U	<0.53 U	<0.8 UJ	<1.5 UJ	<0.064 U	<0.08 U	<0.064 U	<0.12 U	<0.085 U
Middle	MCF-11	No	51	N	05/07/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 UJ	<4.2 U	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Middle	MCF-11	No	58	N	08/17/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 UJ	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 U	<0.06 U	<0.084 U	<0.098 U	<0.15 U	0.2 J
Middle	MCF-12C	No	27	N	07/21/04	<1 U	--	<1 U	--	--	--	<1 U	<5 U	--	--	--	--	--	<1 U	<2 U	<2 U	<10 U	<1 U	<1 U	<1 U	<2 U	
Middle	MCF-12C	No	37	N	05/22/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<10 U	<10 U	<0.2 U	<0.53 U	12	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Middle	MCF-12C	No	38	N	08/10/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<10 U	<10 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Middle	MCF-12C	No	42	N	11/03/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<10 U	<10 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Middle	MCF-12C	No	44	N	02/22/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 UJ	<0.13 U	<0.73 U	<0.1 U	<10 U	<10 U	<0.2 U	<0.53 U	<0.8 UJ	<1.5 UJ	<0.064 U	<0.08 U	<0.064 U	<0.12 U	<0.085 U
Middle	MCF-12C	No	51	N	05/09/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 UJ	<4.2 U	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Middle	MCF-12C	No	58	N	08/19/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 UJ	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	&						

VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVS/R	Sample Type	Sample Date	Units																						
						1,4-Dichlorobenzene	2,2,3-Trimethylbutane	2,2-Dichloropropane	2,2-Dimethylpentane	2,3-Dimethylpentane	2,4-Dimethylpentane	2-Chlorotoluene	2-Hexanone	2-Methylhexane	2-Nitropropane	3,3-Dimethylpentane	3-Ethylpentane	3-Methylhexane	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Acetonitrile	Benzene	Bromobenzene	Bromodichloromethane	Bromoform	Bromomethane	
						ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
						MCL	75	--	--	--	--	--	--	--	--	--	--	--	5	--	--	--	--					
						BCL	75	--	--	--	--	--	--	--	--	--	--	2900	32600	440	5	490	1.1	8.5	48			
Deep	MCF-01A	No	42	N	10/24/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U	
Deep	MCF-01A	No	44	N	02/02/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 U	<0.13 U	<0.73 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 U	<1.5 UJ	<0.064 U	<0.08 U	<0.064 U	<0.12 U	<0.085 U	
Deep	MCF-01A	No	51	N	04/28/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 U	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U	
Deep	MCF-01A	No	58	N	08/10/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 U	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 U	
Deep	MCF-02A	No	27	N	07/15/04	<1 U	--	<1 U	--	--	--	<1 U	<5 U	--	--	--	--	--	<1 U	<2 U	<2 U	<10 U	<1 U	<1 U	<1 U	<2 U		
Deep	MCF-02A	No	37	N	05/10/06	<0.2 U	--	<0.11 U	--	--	--	<0.21 U	<0.19 U	--	<0.54 U	--	--	--	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U	
Deep	MCF-02A	No	38	N	08/04/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U	
Deep	MCF-02A	No	42	N	11/07/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U	
Deep	MCF-02A	No	44	N	02/15/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 UJ	<0.13 U	<0.73 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 UJ	<1.5 U	<0.064 U	<0.08 U	<0.064 U	<0.12 U	<0.085 U	
Deep	MCF-02A	No	51	N	05/02/08	<0.1 UJ	<0.16 UJ	<0.084 UJ	<0.093 UJ	<0.11 UJ	<0.14 UJ	<0.068 UJ	<0.08 UJ	<0.12 UJ	<0.034 UJ	<0.17 UJ	<0.13 UJ	<0.1 UJ	<0.068 UJ	<0.72 UJ	<0.56 UJ	<4.2 UJ	<0.032 UJ	<0.18 UJ	<0.088 UJ	<0.27 UJ	<0.5 UJ	
Deep	MCF-02A	No	58	N	08/21/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 UJ	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 U	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 U	
Deep	MCF-03A	No	27	N	07/13/04	<1 U	--	<1 U	--	--	--	<1 U	<5 U	--	--	--	--	--	<1 U	<2 UJ	<10 U	<1 U	<1 U	<1 U	<1 U	<2 UJ		
Deep	MCF-03A	No	37	N	06/07/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 UJ	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 UJ	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U	
Deep	MCF-03A	No	38	N	08/14/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U	
Deep	MCF-03A	No	42	N	11/02/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U	
Deep	MCF-03A	No	44	N	02/27/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 UJ	<0.13 U	<0.73 UJ	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 UJ	<1.5 UJ	<0.064 U	<0.08 U	<0.064 U	<0.12 U	<0.085 U	
Deep	MCF-03A	No	51	N	04/24/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 U	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U	
Deep	MCF-03A	No	58	N	08/13/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 UJ	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 U	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 U	
Deep	MCF-04	No	27	N	07/13/04	<1 U	--	<1 U	--	--	--	<1 U	<5 U	--	--	--	--	--	<1 U	<2 U	<2 UJ+	<10 U	0.12 J	<1 U	<1 U	<1 U	<2 UJ	
Deep	MCF-04	No	37	N	05/10/06	<0.2 U	--	<0.11 U	--	--	--	<0.21 U	<0.19 U	--	<0.54 U	--	--	--	<0.2 U	<0.53 U	<0.8 U	<3.5 U	0.19 J	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Deep	MCF-04	No	38	N	08/15/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U	
Deep	MCF-04	No	42	N	11/08/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	0.3 J	<0.17 U	<0.14 U	<0.21 U	<0.28 U	
Deep	MCF-04	No	44	N	02/20/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 UJ	<0.13 U	<0.73 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 UJ	<1.5 U	0.2 J	<0.08 U	<0.064 U	<0.12 U	<0.085 U	
Deep	MCF-04	No	51	N	04/30/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 U	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U	
Deep	MCF-04	No	58	N	08/28/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 UJ	0.15 J	<0.084 U	<0.098 U	<0.15 U	0.19 J	
Deep	MCF-06A-R	No	58	N	09/21/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	2 J+	1.1 J+	<4.2 UJ	0.95 J+	<0.084 U	<0.098 U	<0.15 U	<0.096 U	
Deep	MCF-07	No	27	N	07/24/04	<1 U	--	<1 U	--	--	--	<1 U	<5 UJ	--	--	--	--	--	<1 U	<2 UJ	<2 UJ	<10 U	<1 U	<1 U	<1 U	<1 U	0.31 J	
Deep	MCF-07	No	38	N	08/30/06	<0.98 U	<2 U	<0.54 U	<0.5 U	<0.55 U	<0.5 U	<1.1 U	<0.96 U	<0.65 U	<0.54 U	<0.5 U	<0.5 U	<0.33 U	<1 U	<2.7 U	<4 U	<17 U	<0.83 U	<0.83 U	<0.72 U	<1 U	<1.4 U	
Deep	MCF-07	No	42	N	11/10/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U	
Deep	MCF-07	No	44	N	02/23/07	<0.047 UJ	<0.4 UJ	<0.039 UJ	<0.1 UJ	<0.11 UJ	<0.1 UJ	<0.053 UJ	<1 UJ	<0.13 UJ	<0.73 UJ	<0.1 UJ	<0.1 UJ	<0.066 UJ	<0.049 UJ	<0.21 UJ	<0.8 UJ	<1.5 UJ	<0.064 UJ	<0.08 UJ	<0.064 UJ	<0.12 UJ	<0.085 UJ	
Deep	MCF-07	No	51	N	05/02/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 U	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U	
Deep	MCF-07	No	58	N	09/11/09	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
Deep	MCF-08A	No	27	N	07/18/04	<1 UJ-	--	<1 U	--	--	--	<1 U	<5 U	--	--	--	--	--	<1 U	<2 U	<2 U	<10 U	<1 U	<1 U	<1 U	<1 U	<2 U	
Deep	MCF-08A	No	37	N	06/07/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 UJ	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 UJ	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U	
Deep	MCF-08A	No	38	N	08/23/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U	
Deep	MCF-08A	No	42	N	11/10/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U</																		

VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
 (Page 18 of 36)

Water-Bearing Zone	Well ID	Filtered?	DVS	Sample Type	Sample Date	1,4-Dichlorobenzene	2,2,3-Trimethylbutane	2,2-Dichloropropane	2,2-Dimethylpentane	2,3-Dimethylpentane	2,4-Dimethylpentane	2-Chlorotoluene	2-Hexanone	2-Methylhexane	2-Nitropropane	3,3-Dimethylpentane	3-Ethylpentane	3-Methylhexane	4-Chlorotoluene	4-Methyl-2-pentanone	Acetone	Acetonitrile	Benzene	Bromobenzene	Bromodichloromethane	Bromoform	Bromomethane
						ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
						MCL	75	--	--	--	--	730	--	--	--	--	--	--	--	2900	32600	440	5	490	1.1	8.5	48
						BCL	75	--	--	--	--	730	--	--	--	--	--	--	--	2900	32600	440	5	490	1.1	8.5	48
Deep	MCF-12A	No	38	N	08/10/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Deep	MCF-12A	No	42	N	11/10/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	<0.17 U	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Deep	MCF-12A	No	44	N	02/23/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 UJ	<0.13 U	<0.73 UJ	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 UJ	<1.5 UJ	<0.064 U	<0.08 U	<0.064 U	<0.12 U	<0.085 U
Deep	MCF-12A	No	51	N	05/08/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 U	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Deep	MCF-12A	No	58	N	08/27/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	3.7	<4.2 UJ	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.16 J
Deep	MCF-16A	No	27	N	07/23/04	<1 U	--	<1 U	--	--	--	<1 U	<5 U	--	--	--	--	--	<1 U	<2 U	<2 U	<10 U	0.51 J+	<1 U	<1 U	<1 U	<2 U
Deep	MCF-16A	No	37	N	05/18/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<10 U	<10 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	1.4 J+	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Deep	MCF-16A	No	38	N	08/21/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	0.94 J+	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Deep	MCF-16A	No	42	N	11/06/06	<0.2 U	<0.4 U	<0.11 U	<0.1 U	<0.11 U	<0.1 U	<0.21 U	<0.19 U	<0.13 U	<0.54 U	<0.1 U	<0.1 U	<0.066 U	<0.2 U	<0.53 U	<0.8 U	<3.5 U	0.97 J+	<0.17 U	<0.14 U	<0.21 U	<0.28 U
Deep	MCF-16A	No	44	N	02/16/07	<0.047 U	<0.4 U	<0.039 U	<0.1 U	<0.11 U	<0.1 U	<0.053 U	<1 UJ	<0.13 U	<0.73 U	<0.1 U	<0.1 U	<0.066 U	<0.049 U	<0.21 U	<0.8 UJ	<1.5 U	0.87 J+	<0.08 U	<0.064 U	<0.12 U	<0.085 U
Deep	MCF-16A	No	51	N	05/19/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 UJ	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 U	0.68 J+	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Deep	MCF-16A	No	58	N	10/05/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	1.6 J	<4.2 UJ	0.88 J	<0.084 U	<0.098 U	<0.15 U	<0.096 UJ
Deep	MCF-17A	No	51	N	07/21/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 U	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 U	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Deep	MCF-17A	No	58	N	09/29/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 UJ	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Deep	MCF-17A	No	58	FD	09/29/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 UJ	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Deep	MCF-18A	No	51	N	07/18/08	<0.1 UJ	<0.16 UJ	<0.084 UJ	<0.093 UJ	<0.11 UJ	<0.14 UJ	<0.068 UJ	<0.08 UJ	<0.12 UJ	<0.034 UJ	<0.17 UJ	<0.13 UJ	<0.1 UJ	<0.068 UJ	<0.72 UJ	14 J	<4.2 UJ	0.55 J	<0.18 UJ	<0.088 U	<0.27 UJ	<0.5 U
Deep	MCF-18A	No	58	N	09/21/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 UJ	<4.2 UJ	0.77 J+	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Deep	MCF-18A	No	58	FD	09/21/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	0.51 J+	<0.42 UJ	<4.2 UJ	0.98 J+	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Deep	MCF-19A	No	51	N	07/21/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 U	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	15 J+	<4.2 U	0.72 J+	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Deep	MCF-19A	No	58	N	09/03/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 UJ	1.1 J+	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Deep	MCF-19A	No	58	FD	09/03/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	12	<4.2 UJ	1 J+	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Deep	MCF-20A	No	51	N	07/18/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	2.2 J+	<0.12 U	<0.034 U	<0.17 U	0.48 J+	<0.1 U	<0.068 U	1.7 J+	46 J+	<4.2 UJ	0.6 J+	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Deep	MCF-20A	No	58	N	09/03/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	16	<4.2 UJ	0.62 J+	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Deep	MCF-21A	No	51	N	07/23/08	<0.1 UJ	<0.16 UJ	<0.084 UJ	<0.093 UJ	<0.11 UJ	<0.14 UJ	<0.068 UJ	<0.08 UJ	<0.12 UJ	<0.034 UJ	<0.17 UJ	<0.13 UJ	<0.1 UJ	<0.068 UJ	<0.72 UJ	<0.56 UJ	<4.2 UJ	0.92 J	<0.18 UJ	<0.088 UJ	<0.27 UJ	<0.5 UJ
Deep	MCF-21A	No	58	N	08/25/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	<0.42 U	<4.2 U	0.74 J	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Deep	MCF-22A	No	51	N	07/23/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 U	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 U	<0.032 U	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Deep	MCF-22A	No	58	N	10/09/09	<0.11 U	<0.23 U	<0.1 U	<0.16 UJ	<0.18 U	<0.19 UJ	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 UJ	<0.089 UJ	<0.17 U	<0.095 U	<0.32 U	1.5 J	<4.2 UJ	<0.06 U	<0.084 U	<0.098 U	<0.15 U	<0.096 UJ
Deep	MCF-23A	No	51	N	07/21/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 U	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 U	0.52 J	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Deep	MCF-23A	No	58	N	10/05/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	2	<4.2 UJ	0.86 J	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Deep	MCF-24A	No	51	N	07/28/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 U	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 UJ	<4.2 U	0.59 J+	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Deep	MCF-24A	No	58	N	08/28/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	34	<4.2 UJ	1.6	<0.084 U	<0.098 U	<0.15 U	<0.096 U
Deep	MCF-25A	No	51	N	07/28/08	<0.1 U	<0.16 U	<0.084 U	<0.093 U	<0.11 U	<0.14 U	<0.068 U	<0.08 U	<0.12 U	<0.034 U	<0.17 U	<0.13 U	<0.1 U	<0.068 U	<0.72 U	<0.56 U	<4.2 U	0.29 J	<0.18 U	<0.088 U	<0.27 U	<0.5 U
Deep	MCF-25A	No	58	N	08/28/09	<0.11 U	<0.23 U	<0.1 U	<0.16 U	<0.18 U	<0.19 U	<0.11 U	<1.3 U	<0.15 U	<1.1 U	<0.2 U	<0.089 U	<0.17 U	<0.095 U	<0.32 U	6.6	<4.2 UJ	0.28 J	<0.084 U	<0.098 U	<0.15 U	<0.37 J
Deep	MCF-27	No	27	N</																							

VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DWSR	Sample Type	Sample Date	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorobromomethane	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Cymene (Isopropyl-toluene)	Dibromomethane	Dichlorodifluoro-methane (Freon-12)	Dichloromethane	Dimethyl disulfide	Ethanol	Ethylbenzene	Isopropylbenzene	m,p-Xylene	Methyl ethyl ketone	Methyl iodide
						Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
						MCL	--	5	100	--	--	--	--	70	--	--	--	5	--	--	700	--	--	--	--	--
						BCL	3520	5	100	--	0.7	1.6	81	70	--	--	370	5840	5	--	--	700	3440	42600	21300	--
Shallow	AA-01	No	27	N	07/15/04	<1 U	<1 U	<1 U	<1 U	<1 U	<2 U	3.2	<2 U	<1 U	<1 U	<1 U	<1 U	<2 U	<1 U	<5 U	<5000 U	<1 U	<1 U	<2 UJ	<5 U	<2 U
Shallow	AA-01	No	37	N	04/26/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	4	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<660 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 UJ	<0.19 U
Shallow	AA-01	No	38	N	08/01/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	3.2	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U
Shallow	AA-01	No	42	N	10/18/06	<0.16 U	<0.15 U	<0.2 UJ	<0.17 U	<0.27 U	<0.16 U	7.9	<0.2 U	<0.19 U	<0.2 U	<0.18 UJ	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 UJ	<0.21 UJ	<0.37 UJ	<0.56 U	<0.19 U
Shallow	AA-01	No	44	N	01/25/07	<0.031 U	<0.039 U	<0.027 U	<0.11 UJ	<0.11 U	<0.05 U	5.5	<0.048 U	<0.048 U	<0.05 U	<0.016 U	<0.12 UJ	<0.045 U	<0.6 U	<0.27 U	<95 UJ	<0.064 U	<0.027 U	<0.054 U	<1.8 UJ	<0.13 U
Shallow	AA-01	No	51	N	04/22/08	<0.029 U	<0.042 U	<0.48 U	<0.2 U	<0.17 U	<0.085 U	5	<0.036 U	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 U	<0.091 U	<0.089 U	<36 UJ	<0.061 U	<0.032 U	<1.1 U	<0.96 UJ	<0.33 U
Shallow	AA-01	No	58	N	08/07/09	<0.52 U	<0.073 U	<0.06 U	<0.12 U	<0.21 U	<0.085 U	5.7	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 UJ	<0.1 U	<0.27 U	<85 U	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U
Shallow	AA-07	No	27	N	07/24/04	<1 U	<1 U	<1 U	<1 U	<1 U	<2 U	27	0.35 J	<1 U	<1 U	<1 U	<1 U	<2 UJ	<1 UJ	<5 U	<5000 UJ	<1 U	<1 U	<2 U	<5 UJ	<2 UJ+
Shallow	AA-07	No	37	N	06/06/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	32	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<660 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 UJ	<0.19 U
Shallow	AA-07	No	38	N	08/16/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	30	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U
Shallow	AA-07	No	42	N	11/03/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	34	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 UJ	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 UJ
Shallow	AA-07	No	44	N	02/26/07	<0.031 U	0.47 J	<0.027 U	<0.11 U	<0.11 U	<0.05 U	30	<0.048 U	<0.048 U	<0.05 U	<0.016 U	<0.12 U	<0.045 U	<0.6 U	<0.27 U	<95 UJ	<0.064 U	<0.027 U	<0.054 U	<1.8 UJ	<0.13 U
Shallow	AA-07	No	51	N	04/21/08	<0.029 U	0.37 J	<0.48 U	<0.2 U	<0.17 U	<0.085 U	30	<0.036 U	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 U	<0.091 U	<0.089 U	<36 UJ	<0.061 U	<0.032 U	<1.1 U	<0.96 UJ	<0.33 U
Shallow	AA-07	No	58	N	08/10/09	<0.52 U	0.28 J	<0.06 U	<0.12 U	<0.21 U	<0.085 U	26	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 UJ	<0.1 U	<0.27 U	<85 U	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U
Shallow	AA-08	No	27	N	07/19/04	<1 U	<1 U	<1 U	<1 U	<1 U	<2 U	0.18 J	<2 U	<1 U	<1 U	<1 U	<2 U	<1 U	<5 U	--	<1 U	<1 U	<2 U	<5 U	<2 U	
Shallow	AA-08	No	37	N	05/25/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	0.34 J	0.62 J	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<660 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 UJ	<0.19 UJ
Shallow	AA-08	No	38	N	08/14/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	0.76 J	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U
Shallow	AA-08	No	42	N	11/01/06	<0.16 U	<0.15 U	<0.2 UJ	<0.17 U	<0.27 U	<0.16 U	2.3	<0.2 U	<0.19 U	<0.2 U	<0.18 UJ	<0.23 UJ	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 UJ	<0.21 UJ	<0.37 UJ	<0.56 U	<0.19 UJ
Shallow	AA-08	No	44	N	02/08/07	<0.031 U	<0.039 U	<0.027 U	<0.11 U	<0.11 U	<0.05 U	0.24 J	<0.048 U	<0.048 U	<0.05 U	<0.016 U	<0.12 U	<0.045 U	<0.6 U	<0.27 U	<95 UJ	<0.064 U	<0.027 U	<0.054 U	<1.8 UJ	<0.13 U
Shallow	AA-08	No	51	N	05/16/08	<0.029 U	<0.042 U	<0.48 U	<0.2 U	<0.17 U	<0.085 U	0.29 J	<0.036 UJ	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 UJ	<0.091 U	<0.089 U	<36 UJ	<0.061 U	<0.032 U	<1.1 U	<0.96 UJ	<0.33 U
Shallow	AA-08	No	58	N	08/14/09	<0.52 U	<0.073 U	<0.06 U	<0.12 U	<0.21 U	<0.085 U	0.16 J	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 UJ	<0.1 U	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U
Shallow	AA-09	No	27	N	07/20/04	<1 U	0.89 J	<1 U	<1 U	<1 UJ-	<2 U	85	<2 U	<1 U	<1 U	<1 U	<1 U	<2 U	<1 U	<5 U	--	<1 U	<1 U	<2 U	<5 U	<2 U
Shallow	AA-09	No	37	N	05/01/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	92	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<660 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 UJ	<0.19 U
Shallow	AA-09	No	38	N	08/11/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	110	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U
Shallow	AA-09	No	42	N	10/23/06	<0.16 U	1	<0.2 U	<0.17 U	<0.27 U	<0.16 U	110	1.9 J	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U
Shallow	AA-09	No	44	N	01/26/07	<0.031 UJ	<0.039 U	<0.027 U	<0.11 UJ	<0.11 U	<0.05 U	100 J	<0.048 U	<0.048 U	<0.05 U	<0.016 U	<0.12 UJ	<0.045 U	<0.6 U	<0.27 U	<95 UJ	<0.064 U	<0.027 U	<0.054 U	<1.8 UJ	<0.13 UJ
Shallow	AA-09	No	51	N	05/16/08	0.94 J	<0.042 U	<0.48 U	<0.2 U	<0.17 U	<0.085 U	85	<0.036 UJ	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 UJ	<0.091 U	<0.089 U	<36 UJ	<0.061 U	<0.032 U	<1.1 U	<0.96 UJ	<0.33 U
Shallow	AA-09	No	58	N	08/12/09	<0.52 U	0.68 J	<0.06 U	<0.12 U	<0.21 U	<0.085 U	61 J	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 UJ	<0.1 U	<0.27 U	<85 U	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U
Shallow	AA-10	No	27	N	07/20/04	<1 U	<1 U	<1 U	<1 U	<1 U	<2 U	1.9	0.28 J	<1 U	<1 U	<1 U	<1 U	<2 U	<1 U	<5 U	--	<1 U	<1 U	<2 U	<5 U	<2 U
Shallow	AA-10	No	37	N	05/12/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	3	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<660 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 UJ	<0.19 U
Shallow	AA-10	No	38	N	08/11/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	2.8	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U
Shallow	AA-10	No	42	N	10/27/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	2	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U
Shallow	AA-10	No	44	N	02/05/07	<0.031 U	<0.039 U	<0.027 U	<0.11 UJ	<0.11 U	<0.05 U	2.7	<0.048 U	<0.048 U	<0.05 U	<0.016 U	<0.12 UJ	<0.045 U	<0.6 U	<0.27 U	<95 UJ	<0.064 U	<0.027 U	<0.054 U	<1.8 UJ	<0.13 U
Shallow	AA-10	No	51	N	05/12/08	<0.029 U	<0.042 U	<0.48 U	<0.2 U	<0.17 U	<0.085 U	3.5 J+	<0.036 UJ	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 UJ	<0.091 U	<0.089 U	<36 UJ	<0.061 U	<0.032 U	<1.1 U	<0.96 UJ	<0.33 U
Shallow	AA-10	No	58	N	08/11/09	<0.52 U	<0.073 U	<0.06 U	<0.12 U	<0.21 U	<0.085 U	4.1	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 UJ	<0.1 U	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U
Shallow	AA-13	No	27	N	07/14/04	<1 U	<1 U</																			

VOLATILE ORGANIC COMPOUND (VOC) RESULTS
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorobromomethane	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Cymene (Isopropyl-toluene)	Dibromomethane	Dichlorodifluoro-methane (Freon-12)	Dichloromethane	Dimethyl disulfide	Ethanol	Ethylbenzene	Isopropylbenzene	m,p-Xylene	Methyl ethyl ketone	Methyl iodide
						Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
						MCL	--	5	100	--	--	--	--	70	--	--	--	--	5	--	--	700	--	--	--	--
						BCL	3520	5	100	--	0.7	23	1.6	81	70	--	370	5840	5	--	--	700	3440	42600	21300	--
Shallow	AA-20	No	58	N	09/11/09	< 0.52 U	0.58 J	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	76 J	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U
Shallow	AA-21	No	27	N	07/25/04	< 1 U	< 1 U	< 1 UJ	< 1 U	< 1 U	< 2 U	0.39 J	< 2 UJ	< 1 U	< 1 U	< 1 UJ	< 1 U	< 2 UJ	< 1 UJ	< 5 U	< 5000 UJ	< 1 UJ-	< 1 UJ	< 2 UJ-	< 5 UJ	< 2 UJ+
Shallow	AA-21	No	37	N	05/19/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	0.49 J	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 660 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 UJ	< 0.19 U
Shallow	AA-21	No	38	N	08/17/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	0.67 J	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 U
Shallow	AA-21	No	42	N	10/31/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	0.99 J	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 UJ	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 UJ
Shallow	AA-21	No	44	N	01/29/07	< 0.031 UJ	< 0.039 U	< 0.027 U	< 0.11 UJ	< 0.11 U	< 0.05 U	0.64 J	< 0.048 U	< 0.048 U	< 0.05 U	< 0.016 U	< 0.12 UJ	< 0.045 U	< 0.6 U	< 0.27 U	< 95 UJ	< 0.064 U	< 0.027 U	< 0.054 U	< 1.8 UJ	< 0.13 UJ
Shallow	AA-21	No	51	N	05/13/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	0.81 J+	< 0.036 UJ	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 UJ	< 0.091 U	< 0.089 U	< 36 U	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 UJ	< 0.33 U
Shallow	AA-21	No	58	N	08/12/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	1	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 UJ	< 0.1 U	< 0.27 U	< 85 U	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U
Shallow	AA-22	No	27	N	07/17/04	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 5 U	--	< 1 U	< 1 U	< 2 U	< 5 U	< 2 U	
Shallow	AA-22	No	37	N	05/24/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	0.19 J	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 660 U	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 UJ	< 0.19 UJ
Shallow	AA-22	No	38	N	08/18/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 U
Shallow	AA-22	No	42	N	11/03/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 UJ	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 UJ
Shallow	AA-22	No	44	N	02/09/07	< 0.031 U	< 0.039 U	< 0.027 U	< 0.11 U	< 0.11 U	< 0.05 U	0.31 J	< 0.048 U	< 0.048 U	< 0.05 U	< 0.016 U	< 0.12 U	< 0.045 U	< 0.6 U	< 0.27 U	< 95 UJ	< 0.064 U	< 0.027 U	< 0.054 U	< 1.8 UJ	< 0.13 U
Shallow	AA-22	No	51	N	05/14/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	0.49 J	< 0.036 UJ	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 UJ	< 0.091 U	< 0.089 U	< 36 U	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 UJ	< 0.33 U
Shallow	AA-22	No	58	N	09/23/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	1.8	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 U	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U
Shallow	AA-23-R	No	51	N	05/19/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	6.7	0.21 J	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 U	< 0.091 U	< 0.089 U	< 36 U	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 UJ	< 0.33 U
Shallow	AA-23-R	No	58	N	09/10/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	1.9	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U
Shallow	AA-26	No	27	N	07/20/04	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UJ-	< 2 U	0.6 J	0.75 J	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 5 U	--	< 1 U	< 1 U	< 2 U	< 5 U	< 2 U
Shallow	AA-26	No	37	N	05/24/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	0.58 J	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 660 U	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 UJ	< 0.19 UJ
Shallow	AA-26	No	38	N	08/17/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	0.38 J	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 U
Shallow	AA-26	No	42	N	10/26/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	0.4 J	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 U
Shallow	AA-26	No	44	N	02/28/07	< 0.031 U	< 0.039 U	< 0.027 U	< 0.11 U	< 0.11 U	< 0.05 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.05 U	< 0.016 U	< 0.12 U	< 0.045 U	< 0.6 U	< 0.27 U	< 95 UJ	< 0.064 U	< 0.027 U	< 0.054 U	< 1.8 UJ	< 0.13 U
Shallow	AA-26	No	51	N	05/19/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	0.56 J	0.28 J	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 U	< 0.091 U	< 0.089 U	< 36 U	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 UJ	< 0.33 U
Shallow	AA-26	No	58	N	09/11/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	0.53 J	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U
Shallow	AA-27	No	27	N	07/16/04	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	1.7	< 2 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 5 U	--	< 1 U	< 1 U	< 2 U	< 5 U	< 2 U	
Shallow	AA-27	No	37	N	04/27/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	1.6	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 660 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 UJ	< 0.19 U
Shallow	AA-27	No	38	N	08/02/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	1.8	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 U
Shallow	AA-27	No	42	N	10/19/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	2	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 U
Shallow	AA-27	No	44	N	02/02/07	< 0.031 UJ	< 0.039 U	< 0.027 U	--	< 0.11 U	< 0.05 U	1.7	< 0.048 U	< 0.048 U	< 0.05 U	--	< 0.12 UJ	< 0.045 U	--	< 0.27 U	< 95 UJ	< 0.064 U	< 0.027 U	< 0.054 U	--	--
Shallow	AA-27	No	51	N	05/14/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	1.4	< 0.036 UJ	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 UJ	< 0.091 U	< 0.089 U	< 36 U	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 UJ	< 0.33 U
Shallow	AA-27	No	58	N	08/26/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	1.2	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U
Shallow	AA-30	No	58	N	09/09/09	< 0.52 U	0.3 J	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	70 J	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U
Shallow	AA-UW1	No	51	N	05/20/08	< 0.029 U	< 0.042 U	1.4	< 0.2 U	< 0.17 U	< 0.085 U	1.1	< 0.036 U	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 U	< 0.091 U	< 0.089 U	< 36 U	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 UJ	< 0.33 U
Shallow	AA-UW1																									

VOLATILE ORGANIC COMPOUND (VOC) RESULTS
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorobromomethane	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Cymene (Isopropyl-toluene)	Dibromomethane	Dichlorodifluoro-methane (Freon-12)	Dichloromethane	Dimethyl disulfide	Ethanol	Ethylbenzene	Isopropylbenzene	m,p-Xylene	Methyl ethyl ketone	Methyl iodide
						Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MCL						--	5	100	--	--	--	--	--	70	--	--	--	--	5	--	--	700	--	--	--	--
BCL						3520	5	100	--	0.7	23	1.6	81	70	--	--	370	5840	5	--	--	700	3440	42600	21300	--
Shallow	BEC-9	No	38	N	08/02/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	38	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 U
Shallow	BEC-9	No	42	N	10/19/06	< 0.16 U	0.94 J	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	40	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 U
Shallow	BEC-9	No	44	N	01/29/07	< 0.031 UJ	< 0.039 U	< 0.027 U	< 0.11 UJ	< 0.11 U	< 0.05 U	40 J	< 0.048 U	< 0.048 U	< 0.05 U	< 0.016 U	< 0.12 UJ	< 0.045 U	7.4	< 0.27 U	< 95 UJ	< 0.064 U	< 0.027 U	< 0.054 U	< 1.8 UJ	< 0.13 UJ
Shallow	BEC-9	No	51	N	04/24/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	38	< 0.036 UJ	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 UJ	< 0.091 U	< 0.089 U	< 36 U	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 UJ	< 0.33 U
Shallow	BEC-9	No	58	N	08/18/09	< 0.52 U	0.17 J	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	12	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U	
Shallow	COH-2A	No	44	N	01/30/07	< 0.031 UJ	< 0.039 U	< 0.027 U	< 0.11 UJ	< 0.11 U	< 0.05 U	< 0.048 UJ	< 0.048 U	< 0.048 U	< 0.05 U	< 0.016 U	< 0.12 UJ	< 0.045 U	< 0.6 U	< 0.27 U	< 95 UJ	< 0.064 U	< 0.027 U	< 0.054 U	< 1.8 UJ	< 0.13 U
Shallow	COH-2A	No	51	N	05/08/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	0.71 J	< 0.036 UJ	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 UJ	< 0.091 U	< 0.089 U	< 36 U	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 UJ	< 0.33 U
Shallow	COH-2A	No	58	N	09/11/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	0.22 J	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U
Shallow	DBMW-1	No	51	N	05/20/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	58 J+	< 0.036 U	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 U	< 0.091 U	< 0.089 U	< 36 U	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 UJ	< 0.33 U
Shallow	DBMW-1	No	58	N	08/31/09	< 0.52 U	0.13 J	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	61 J	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U
Shallow	DBMW-10	No	51	N	05/27/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	33 J+	< 0.036 U	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 U	< 0.091 U	< 0.089 U	< 36 UJ	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 U	< 0.33 U
Shallow	DBMW-10	No	58	N	09/29/09	< 0.52 U	0.92 J	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	58	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U
Shallow	DBMW-11	No	51	N	06/02/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	410 J+	< 0.036 U	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 U	< 0.091 U	< 0.089 U	< 36 UJ	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 U	< 0.33 U
Shallow	DBMW-11	No	58	N	10/01/09	< 0.52 U	10	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	900 J+	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U
Shallow	DBMW-12	No	51	N	05/27/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	640 J+	0.3 J	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 U	1.2	< 0.089 U	< 36 UJ	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 U	< 0.33 U
Shallow	DBMW-12	No	58	N	09/24/09	< 0.52 U	4.4	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	590	0.31 J+	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U
Shallow	DBMW-12	No	58	FD	09/24/09	< 0.52 U	3.8	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	510	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U
Shallow	DBMW-13	No	51	N	05/28/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	220 J+	< 0.036 U	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 U	< 0.091 U	< 0.089 U	< 36 UJ	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 U	< 0.33 U
Shallow	DBMW-13	No	58	N	09/29/09	< 0.52 U	1.9	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	250 J+	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U
Shallow	DBMW-14	No	51	N	05/29/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	99 J+	< 0.036 U	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 U	< 0.091 U	< 0.089 U	< 36 UJ	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 U	< 0.33 U
Shallow	DBMW-14	No	58	N	09/29/09	< 0.52 U	0.32 J	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	88 J+	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U
Shallow	DBMW-15	No	51	N	05/28/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	29	< 0.036 U	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 U	< 0.091 U	< 0.089 U	< 36 UJ	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 U	< 0.33 U
Shallow	DBMW-15	No	58	N	09/30/09	< 0.52 U	0.18 J+	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 UJ	26 J+	< 0.086 UJ	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 UJ	< 0.1 UJ	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U
Shallow	DBMW-16	No	51	N	05/29/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	< 0.08 U	< 0.036 U	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 U	< 0.091 U	< 0.089 U	< 36 UJ	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 U	< 0.33 U
Shallow	DBMW-16	No	58	N	10/02/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	< 0.067 U	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U
Shallow	DBMW-17	No	51	N	05/30/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	0.47 J+	< 0.036 U	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 U	< 0.091 U	< 0.089 U	< 36 UJ	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 U	< 0.33 U
Shallow	DBMW-17	No	58	N	10/02/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	< 0.067 U	0.4 J	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U
Shallow	DBMW-19	No	51	N	05/30/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	31 J+	0.24 J+	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 U	< 0.091 U	< 0.089 U	< 36 UJ	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 U	< 0.33 U
Shallow	DBMW-19	No	58	N	09/24/09	< 0.52 U	0.22 J	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	50	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U
Shallow	DBMW-2	No	51	N	06/02/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	47 J+	< 0.036 U	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 U	< 0.091 U	< 0.089 U	< 36 UJ	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 U	< 0.33 U
Shallow	DBMW-2	No	58	N	09/04/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	41	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U
Shallow	DBMW-20	No	51	N	05/13/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	44	< 0.036 UJ	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 UJ	< 0.091 U	< 0.089 U	< 36 UJ	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 UJ	< 0.33 U
Shallow	DBMW-20	No	58	N	09/30/09	< 0.52 U	0.85 J+	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 UJ	81 J+	< 0.086 UJ	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 UJ	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	0.43 J+
Shallow	DBMW-22	No	51	N	05/30/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	3	0.31 J	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 U	< 0.091 U	< 0.089 U	< 36 UJ	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 U	< 0.33 U
Shallow	DBMW-22	No	58	N	09/28/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	0.38 J	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U

VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorobromomethane	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Cymene (Isopropyl-toluene)	Dibromomethane	Dichlorodifluoro-methane (Freon-12)	Dichloromethane	Dimethyl disulfide	Ethanol	Ethylbenzene	Isopropylbenzene	m,p-Xylene	Methyl ethyl ketone	Methyl iodide	
						ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Units						ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MCL						--	5	100	--	--	--	--	--	70	--	--	--	--	5	--	--	700	--	--	--	--	--
BCL						3520	5	100	--	0.7	23	1.6	81	70	--	--	370	5840	5	--	--	700	3440	42600	21300	--	
Shallow	DM-1	No	58	N	10/01/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	2.9	0.12 J+	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U	
Shallow	HMW-08	No	44	N	02/02/07	< 0.031 UJ	< 0.039 U	< 0.027 U	< 0.11 UJ	< 0.11 U	< 0.05 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.05 U	< 0.016 U	< 0.12 UJ	< 0.045 U	< 0.6 U	< 0.27 U	< 95 UJ	< 0.064 U	< 0.027 U	< 0.054 U	< 1.8 UJ	< 0.13 U	
Shallow	HMW-08	No	51	N	05/06/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	0.84 J+	< 0.036 UJ	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 UJ	< 0.091 U	< 0.089 U	< 36 U	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 UJ	< 0.33 U	
Shallow	HMW-08	No	58	N	09/29/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	< 0.067 U	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 U	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U	
Shallow	HMW-09	No	44	N	02/09/07	< 0.031 U	< 0.039 U	< 0.027 U	< 0.11 U	< 0.11 U	< 0.05 U	0.19 J	< 0.048 U	< 0.048 U	< 0.05 U	< 0.016 U	< 0.12 U	< 0.045 U	< 0.6 U	< 0.27 U	< 95 UJ	< 0.064 U	< 0.027 U	< 0.054 U	< 1.8 UJ	< 0.13 U	
Shallow	HMW-09	No	51	N	05/06/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	3.9 J+	< 0.036 UJ	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 UJ	< 0.091 U	< 0.089 U	< 36 U	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 UJ	< 0.33 U	
Shallow	HMW-09	No	58	N	09/28/09	< 0.52 U	0.14 J	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	13	0.49 J+	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 U	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	0.31 J	
Shallow	HMWWT-6	No	44	N	02/21/07	< 0.031 U	< 0.039 U	< 0.027 U	< 0.11 U	< 0.11 U	< 0.05 U	< 0.048 U	< 0.048 U	< 0.05 U	< 0.016 U	< 0.12 U	< 0.045 U	< 0.6 U	< 0.27 U	< 95 UJ	< 0.064 U	< 0.027 U	< 0.054 U	< 1.8 UJ	< 0.13 U		
Shallow	HMWWT-6	No	51	N	04/25/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	1.1	< 0.036 UJ	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 UJ	< 0.091 U	< 0.089 U	< 36 U	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 UJ	< 0.33 U	
Shallow	HMWWT-6	No	58	N	09/04/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	2.4	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U	
Shallow	MCF-01B	No	27	N	07/24/04	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	11 J	0.21 J	< 1 U	< 1 U	< 1 U	< 1 U	< 2 UJ	< 1 UJ	< 5 U	< 5000 UJ	< 1 U	< 1 U	< 2 U	< 5 UJ	< 2 UJ	
Shallow	MCF-01B	No	37	N	05/11/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	16	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 660 U	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 UJ	< 0.19 U	
Shallow	MCF-01B	No	38	N	07/31/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	16	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 U	
Shallow	MCF-01B	No	42	N	11/06/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	15	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 UJ	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 UJ	
Shallow	MCF-01B	No	44	N	02/14/07	< 0.031 U	< 0.039 U	< 0.027 U	< 0.11 U	< 0.11 U	< 0.05 U	18	< 0.048 U	< 0.048 U	< 0.05 U	< 0.016 U	< 0.12 U	< 0.045 U	< 0.6 U	< 0.27 U	< 95 UJ	< 0.064 U	< 0.027 U	< 0.054 U	< 1.8 UJ	< 0.13 U	
Shallow	MCF-01B	No	51	N	04/23/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	13	< 0.036 UJ	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 UJ	< 0.091 U	< 0.089 U	< 36 U	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 UJ	< 0.33 U	
Shallow	MCF-01B	No	58	N	08/07/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	13	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 UJ	< 0.1 U	< 0.27 U	< 85 U	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U	
Shallow	MCF-03B	No	27	N	07/24/04	< 1 U	0.17 J	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	0.59 J	< 1 U	< 1 U	< 1 U	< 1 U	< 2 UJ	< 1 UJ	< 5 U	< 5000 UJ	< 1 U	< 1 U	< 2 U	< 5 UJ	< 2 UJ	
Shallow	MCF-03B	No	37	N	05/12/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	2.7	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 660 U	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 UJ	< 0.19 U	
Shallow	MCF-03B	No	38	N	08/16/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	1.9	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 U	
Shallow	MCF-03B	No	42	N	11/03/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	2.2	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 UJ	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 UJ	
Shallow	MCF-03B	No	44	N	02/20/07	< 0.031 U	< 0.039 U	< 0.027 U	< 0.11 U	< 0.11 U	< 0.05 U	2.1	< 0.048 U	< 0.048 U	< 0.05 U	< 0.016 U	< 0.12 U	< 0.045 U	< 0.6 U	< 0.27 U	< 95 UJ	< 0.064 U	< 0.027 U	< 0.054 U	< 1.8 UJ	< 0.13 U	
Shallow	MCF-03B	No	51	N	04/29/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	1.9	< 0.036 UJ	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 UJ	< 0.091 U	< 0.089 U	< 36 U	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 UJ	< 0.33 U	
Shallow	MCF-03B	No	58	N	08/17/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	2	0.26 J	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U	
Shallow	MCF-06B	No	27	N	07/26/04	< 1 U	0.28 J	< 1 U	< 1 U	< 1 U	< 2 U	120	< 2 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 5 U	< 5000 UJ	< 1 UJ	< 1 U	< 2 U	1.6 J	< 2 U		
Shallow	MCF-06B	No	37	N	05/18/06	1.1	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	66	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 660 U	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 UJ	< 0.19 U	
Shallow	MCF-06B	No	38	N	08/09/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	120	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 UJ	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 U	
Shallow	MCF-06B	No	42	N	10/31/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	120	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 UJ	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 UJ	
Shallow	MCF-06B	No	44	N	02/01/07	< 0.031 UJ	< 0.039 U	< 0.027 U	< 0.11 UJ	< 0.11 U	< 0.05 U	88 J	< 0.048 U	< 0.048 U	< 0.05 U	< 0.016 U	< 0.12 UJ	< 0.045 UJ	< 0.6 U	< 0.27 U	< 95 UJ	< 0.064 U	< 0.027 U	< 0.054 U	< 1.8 UJ	< 0.13 U	
Shallow	MCF-06B	No	51	N	05/02/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	76	< 0.036 UJ	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 UJ	< 0.091 U	< 0.089 U	< 36 U	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 UJ	< 0.33 U	
Shallow	MCF-06B	No	58	N	08/28/09	< 0.52 U	0.45 J	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	74 J	0.33 J	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 UJ	
Shallow	MCF-06C	No	27	N	07/26/04	< 1 U	6.5	< 1 U	< 1 U	< 1 U	< 2 U	350	< 2 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 5 U	< 5000 UJ	< 1 UJ	< 1 U	< 2 U	< 5 U	< 2 U		
Shallow	MCF-06C	No	37	N	05/22/06	< 0.16 U	4.7	< 0.2 U	< 0.17 U																		

VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVS	Sample Type	Sample Date	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorobromomethane	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Cymene (Isopropyl-toluene)	Dibromomethane	Dichlorodifluoro-methane (Freon-12)	Dichloromethane	Dimethyl disulfide	Ethanol	Ethylbenzene	Isopropylbenzene	m,p-Xylene	Methyl ethyl ketone	Methyl iodide
						Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MCL						--	5	100	--	--	--	--	--	70	--	--	--	--	5	--	--	700	--	--	--	--
BCL						3520	5	100	--	0.7	23	1.6	81	70	--	--	370	5840	5	--	--	700	3440	42600	21300	--
Shallow	MW-15	No	44	N	02/13/07	<0.031 U	<0.039 U	<0.027 U	<0.11 U	<0.11 U	<0.05 U	0.13 J	<0.048 U	<0.048 U	<0.05 U	<0.016 U	<0.12 U	0.44 J	<0.6 U	<0.27 U	<95 UJ	<0.064 U	<0.027 U	<0.054 U	<1.8 UJ	<0.13 U
Shallow	MW-15	No	51	N	05/21/08	<0.029 UJ	<0.042 UJ	<0.48 UJ	<0.2 UJ	<0.17 UJ	<0.085 UJ	0.15 J	<0.036 UJ	<0.13 UJ	<0.099 UJ	<0.04 UJ	<0.14 UJ	0.29 J	<0.091 UJ	<0.089 UJ	<36 UJ	<0.061 UJ	<0.032 UJ	<1.1 UJ	<0.96 UJ	<0.33 UJ
Shallow	MW-15	No	58	N	09/02/09	<0.52 U	<0.073 U	<0.06 U	<0.12 U	<0.21 U	<0.085 U	0.11 J	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	0.072 J+	<0.1 U	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U
Shallow	MW-3	No	44	N	02/14/07	<0.031 U	<0.039 U	<0.027 U	<0.11 U	<0.11 U	<0.05 U	6.7	<0.048 U	<0.048 U	<0.05 U	<0.016 U	<0.12 U	<0.045 U	<0.6 U	<0.27 U	<95 UJ	<0.064 U	<0.027 U	<0.054 U	<1.8 UJ	<0.13 U
Shallow	MW-3	No	51	N	05/09/08	<0.029 U	<0.042 U	<0.48 U	<0.2 U	<0.17 U	<0.085 U	0.62 J	<0.036 UJ	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 UJ	<0.091 U	<0.089 U	<36 U	<0.061 U	<0.032 U	<1.1 U	<0.96 UJ	<0.33 U
Shallow	MW-3	No	58	N	09/10/09	<0.52 U	<0.073 U	<0.06 U	<0.12 U	<0.21 U	<0.085 U	5.4	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U
Shallow	MW-4	No	44	N	02/15/07	<0.031 U	2.1	<0.027 U	<0.11 U	<0.11 U	<0.05 U	290 J	<0.048 U	<0.048 U	<0.05 U	<0.016 U	<0.12 U	<0.045 U	17 J	<0.27 U	<95 UJ	<0.064 U	<0.027 U	<0.054 U	<1.8 UJ	<0.13 U
Shallow	MW-4	No	51	N	05/14/08	<0.029 U	<0.042 U	<0.48 U	<0.2 U	<0.17 U	<0.085 U	250 J+	<0.036 UJ	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 UJ	<0.091 U	<0.089 U	<36 U	<0.061 U	<0.032 U	<1.1 U	<0.96 UJ	<0.33 U
Shallow	MW-4	No	58	N	09/16/09	<0.52 U	1.4 J+	<0.06 U	<0.12 U	<0.21 U	<0.085 U	190 J	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U
Shallow	PC-108	No	37	N	05/09/06	<0.16 U	<0.15 U	1.1	--	<0.27 U	<0.16 U	<0.19 U	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<660 UJ	<0.22 U	<0.21 U	<0.37 U	--	<0.19 U
Shallow	PC-108	No	38	N	08/07/06	<0.16 U	<0.15 U	1.2	<0.17 U	<0.27 U	<0.16 U	<0.19 U	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U
Shallow	PC-108	No	42	N	10/27/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	<0.19 U	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U
Shallow	PC-108	No	44	N	02/09/07	<0.031 U	<0.039 U	0.9 J	<0.11 U	<0.11 U	<0.05 U	<0.048 U	<0.048 U	<0.048 U	<0.05 U	<0.016 U	<0.12 U	<0.045 U	<0.6 U	<0.27 U	<95 UJ	<0.064 U	<0.027 U	<0.054 U	<1.8 UJ	<0.13 U
Shallow	PC-108	No	51	N	05/01/08	<0.029 U	<0.042 U	1.4	<0.2 U	<0.17 U	<0.085 U	<0.08 U	<0.036 UJ	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 UJ	<0.091 U	<0.089 U	<36 U	<0.061 U	<0.032 U	<1.1 U	<0.96 UJ	<0.33 U
Shallow	PC-108	No	58	N	09/16/09	<0.52 U	<0.073 U	0.59 J	<0.12 U	<0.21 U	<0.085 U	0.17 J	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U
Shallow	PC-2	No	37	N	05/03/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	14	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<660 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U
Shallow	PC-2	No	38	N	08/03/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	15	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U
Shallow	PC-2	No	42	N	10/24/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	23	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 UJ	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U
Shallow	PC-2	No	44	N	02/07/07	<0.031 UJ	<0.039 U	<0.027 U	<0.11 UJ	<0.11 U	<0.05 U	19	<0.048 U	<0.048 U	<0.05 U	<0.016 U	<0.12 UJ	<0.045 UJ	<0.6 U	<0.27 U	<95 UJ	<0.064 U	<0.027 U	<0.054 U	<1.8 UJ	<0.13 U
Shallow	PC-2	No	51	N	04/25/08	<0.029 U	<0.042 U	<0.48 U	<0.2 U	<0.17 U	<0.085 U	39	<0.036 UJ	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 UJ	<0.091 U	<0.089 U	<36 U	<0.061 U	<0.032 U	<1.1 U	<0.96 UJ	<0.33 U
Shallow	PC-2	No	58	N	08/19/09	<0.52 U	<0.073 U	<0.06 U	<0.12 U	<0.21 U	<0.085 U	25	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U
Shallow	PC-24	No	44	N	02/16/07	<0.031 U	5.3	<0.027 U	<0.11 U	<0.11 U	<0.05 U	870	<0.048 U	<0.048 U	<0.05 U	<0.016 U	<0.12 U	<0.045 U	<0.6 U	<0.27 U	<95 UJ	<0.064 U	<0.027 U	<0.054 U	<1.8 UJ	<0.13 U
Shallow	PC-24	No	51	N	05/05/08	<0.029 U	4.1	<0.48 U	<0.2 U	<0.17 U	<0.085 U	840 J+	<0.036 UJ	0.19 J	<0.099 U	<0.04 U	<0.14 U	<0.074 UJ	<0.091 U	<0.089 U	<36 U	<0.061 U	<0.032 U	<1.1 U	<0.96 UJ	<0.33 U
Shallow	PC-24	No	58	N	08/20/09	<0.52 U	4.6	<0.06 U	<0.12 U	<0.21 U	<0.085 U	570 J	0.26 J	0.14 J	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U
Shallow	PC-28	No	44	N	02/21/07	<0.031 U	9.6	<0.027 U	<0.11 U	<0.11 U	<0.05 U	320 J	<0.048 U	<0.048 U	<0.05 U	<0.016 U	<0.12 U	<0.045 U	<0.6 U	<0.27 U	<95 UJ	<0.064 U	<0.027 U	<0.054 U	<1.8 UJ	<0.13 U
Shallow	PC-28	No	51	N	05/05/08	<0.029 U	5.6	<0.48 U	<0.2 U	<0.17 U	<0.085 U	240 J+	<0.036 UJ	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 UJ	<0.091 U	<0.089 U	<36 U	<0.061 U	<0.032 U	<1.1 U	<0.96 UJ	<0.33 U
Shallow	PC-28	No	58	N	08/20/09	<0.52 U	4.3	<0.06 U	<0.12 U	<0.21 U	<0.085 U	130 J	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U
Shallow	PC-4	No	37	N	05/03/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	91	0.4 J	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<660 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 UJ	<0.19 U
Shallow	PC-4	No	38	N	08/04/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	100	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U
Shallow	PC-4	No	42	N	10/23/06	<0.16 U	1.3	<0.2 U	<0.17 U	<0.27 U	<0.16 U	140	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U
Shallow	PC-4	No	44	N	02/06/07	<0.031 UJ	<0.039 U	<0.027 U	<0.11 UJ	<0.11 U	<0.05 U	120 J	<0.048 U	<0.048 U	<0.05 U	<0.016 U	<0.12 UJ	<0.045 UJ	<0.6 U	<0.27 U	<95 UJ	<0.064 U	<0.027 U	<0.054 U	<1.8 UJ	<0.13 U
Shallow	PC-4	No	51	N	04/28/08	<0.029 U	0.76 J+	<0.48 U	<0.2 U	<0.17 U	<0.085 U	100 J+	<0.27 U	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 UJ	<0.091 U	<0.089 U	<36 U	<0.061 U	<0.032 U	<1.1 U	<0.96 UJ	<0.33 U
Shallow	PC-4	No	58	N	08/19/09	<0.52 U	0.87 J	<0.06 U	<0.12 U	<0.21 U	<0.085 U	100 J	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U
Shallow	PC-67	No	44	N	02/16/07	<0.031 U	11	<0.027 U	<0.11 U	<0.11 U	<0.05 U	1400	<0.048 U	<0.048 U	<0.05 U	<0.016 U	<0.12 U	<0.045 U	<0.6 U	<0.27 U	<95 UJ	<0.064 U	<0.027 U	<0.054 U	<1.8 UJ	<0.13 U
Shallow	PC-67	No	51	N	05/06/08	<0.029 U	8.2	<0.48 U	<0.2 U	<0.17 U	<0.085 U	1100 J+	<0.036 UJ	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 UJ	<0.091 U	<0.089 U	<36 U	<0.061 U	<0.032 U	<1.1 U	<0.96 UJ	<0.33 U
Shallow	PC-67	No	58	N	09/09/09	<0.52 U	7.8	<0.06 U	<0.12 U	<0.21 U	<0.085 U	650 J	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	0.23 J	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U
Shallow	PC-76	No	44	N	02/28/07	<0.031 U	<0.039 U	<0.027 U	<0.11 U	<0.11 U	<0.05 U	<0.048 U	<0.048 U	<0.048 U	<0.05 U	<0.016 U	<0.12 U	<0.045 U	<0.6 U	<0.27 U	<95 UJ	<0.064 U	<0.027 U	<0.054 U	<1.8 UJ	<0.13 U
Shallow	PC-76	No	51	N	05/14/08	<0.029 U	<0.042 U	<0.48 U	<0.2 U	<0.17 U	<0.085 U	0.53 J	<0.036 UJ	<0.13 U												

VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorobromomethane	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Cymene (Isopropyl-toluene)	Dibromomethane	Dichlorodifluoro-methane (Freon-12)	Dichloromethane	Dimethyl disulfide	Ethanol	Ethylbenzene	Isopropylbenzene	m,p-Xylene	Methyl ethyl ketone	Methyl iodide
						Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
						MCL	--	5	100	--	--	--	--	70	--	--	--	--	5	--	--	700	--	--	--	--
						BCL	3520	5	100	--	0.7	23	1.6	81	70	--	370	5840	5	--	--	700	3440	42600	21300	--
Shallow	PC-81	No	51	N	04/29/08	<0.029 U	<0.042 U	<0.48 U	<0.2 U	<0.17 U	<0.085 U	<0.08 U	<0.036 UJ	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 UJ	<0.091 U	<0.089 U	<36 U	<0.061 U	<0.032 U	<1.1 U	<0.96 UJ	<0.33 U
Shallow	PC-81	No	58	N	09/01/09	<0.52 U	<0.073 U	<0.06 U	<0.12 U	<0.21 U	<0.085 U	<0.067 U	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U
Shallow	PC-88	No	51	N	04/30/08	<0.029 U	<0.042 U	<0.48 U	<0.2 U	<0.17 U	<0.085 U	0.26 J	<0.036 UJ	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 UJ	<0.091 U	<0.089 U	<36 U	<0.061 U	<0.032 U	<1.1 U	<0.96 UJ	<0.33 U
Shallow	PC-88	No	58	N	09/01/09	<0.52 U	<0.073 U	<0.06 U	<0.12 U	<0.21 U	<0.085 U	<0.067 U	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U
Shallow	PC-90	No	38	N	08/24/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	0.46 J	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U
Shallow	PC-90	No	42	N	10/26/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	0.19 J	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U
Shallow	PC-90	No	44	N	02/05/07	<0.031 U	<0.039 U	<0.027 U	<0.11 UJ	<0.11 U	<0.05 U	1.1	<0.048 U	<0.048 U	<0.05 U	<0.016 U	<0.12 UJ	<0.045 U	<0.6 U	<0.27 U	<95 UJ	<0.064 U	<0.027 U	<0.054 U	<1.8 UJ	<0.13 U
Shallow	PC-90	No	51	N	05/01/08	<0.029 U	<0.042 U	<0.48 U	<0.2 U	<0.17 U	<0.085 U	0.42 J	<0.036 UJ	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 UJ	<0.091 U	<0.089 U	<36 U	<0.061 U	<0.032 U	<1.1 U	<0.96 UJ	<0.33 U
Shallow	PC-90	No	58	N	09/09/09	<0.52 U	<0.073 U	<0.06 U	<0.12 U	<0.21 U	<0.085 U	0.38 J	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U
Shallow	PC-94	No	37	N	05/05/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	1.3	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<660 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 UJ	<0.19 U
Shallow	PC-94	No	38	N	08/07/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	1.9	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U
Shallow	PC-94	No	42	N	10/27/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	2.7	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U
Shallow	PC-94	No	44	N	02/02/07	<0.031 UJ	<0.039 U	<0.027 U	<0.11 UJ	<0.11 U	<0.05 U	2.8	<0.048 U	<0.048 U	<0.05 U	<0.016 U	<0.12 UJ	<0.045 U	<0.6 U	<0.27 U	<95 UJ	<0.064 U	<0.027 U	<0.054 U	<1.8 UJ	<0.13 U
Shallow	PC-94	No	51	N	04/30/08	<0.029 U	<0.042 U	<0.48 U	<0.2 U	<0.17 U	<0.085 U	4.7	<0.036 UJ	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 UJ	<0.091 U	<0.089 U	<36 U	<0.061 U	<0.032 U	<1.1 U	<0.96 UJ	<0.33 U
Shallow	PC-94	No	58	N	09/09/09	0.7 J	0.17 J	<0.06 U	<0.12 U	<0.21 U	<0.085 U	41	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	0.75 J
Shallow	POD2-R	No	37	N	05/08/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	58	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<660 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 UJ	<0.19 U
Shallow	POD2-R	No	38	N	08/03/06	<0.16 U	0.29 J	<0.2 U	<0.17 U	<0.27 U	<0.16 U	52	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U
Shallow	POD2-R	No	42	N	10/20/06	<0.16 U	0.51 J	<0.2 U	<0.17 U	<0.27 U	<0.16 U	82	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U
Shallow	POD2-R	No	44	N	01/26/07	<0.031 UJ	<0.039 U	<0.027 U	<0.11 UJ	<0.11 U	<0.05 U	98 J	<0.048 U	<0.048 U	<0.05 U	<0.016 U	<0.12 UJ	<0.045 U	<0.6 U	<0.27 U	<95 UJ	<0.064 U	<0.027 U	<0.054 U	<1.8 UJ	<0.13 UJ
Shallow	POD2-R	No	51	N	04/23/08	<0.029 U	<0.042 U	<0.48 U	<0.2 U	<0.17 U	<0.085 U	59	<0.036 UJ	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 UJ	<0.091 U	<0.089 U	<36 U	<0.061 U	<0.032 U	<1.1 U	<0.96 UJ	<0.33 U
Shallow	POD2-R	No	58	N	09/14/09	<0.52 U	0.68 J+	<0.06 U	<0.12 U	<0.21 U	<0.085 U	96 J	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U
Shallow	POD8	No	37	N	04/28/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	0.87 J	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<660 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 UJ	<0.19 U
Shallow	POD8	No	38	N	08/02/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	1.1	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U
Shallow	POD8	No	42	N	10/20/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	1.3	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U
Shallow	POD8	No	44	N	01/26/07	<0.031 UJ	<0.039 U	<0.027 U	<0.11 UJ	<0.11 U	<0.05 U	<0.048 U	<0.048 U	<0.05 UJ	<0.016 U	<0.12 UJ	<0.045 U	<0.6 U	<0.27 U	<95 UJ	<0.064 U	<0.027 U	<0.054 U	<1.8 UJ	<0.13 UJ	
Shallow	POD8	No	51	N	04/23/08	<0.029 U	<0.042 U	<0.48 U	<0.2 U	<0.17 U	<0.085 U	1.4	<0.036 UJ	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 UJ	<0.091 U	<0.089 U	<36 U	<0.061 U	<0.032 U	<1.1 U	<0.96 UJ	<0.33 U
Shallow	POD8	No	58	N	09/03/09	<0.52 U	<0.073 U	<0.06 U	<0.12 U	<0.21 U	<0.085 U	0.64 J	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U
Shallow	POU3	No	37	N	04/27/06	<0.16 U	6.7	0.56 J	<0.17 U	3.3	<0.16 U	450	<0.2 U	0.2 J	<0.2 U	<0.18 U	<0.23 U	<0.27 U	2.7	<0.27 U	<660 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 UJ	<0.19 U
Shallow	POU3	No	38	N	07/31/06	<0.16 U	17	1.1	<0.17 U	13	<0.16 U	1400	<0.2 U	0.68 J	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U
Shallow	POU3	No	42	N	10/18/06	<0.16 U	22	1	<0.17 U	14	<0.16 U	1400	<0.2 U	0.76 J	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 UJ	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U
Shallow	POU3	No	44	N	01/25/07	<0.031 U	19	1.1	<0.11 UJ	15	<0.05 U	1400	<0.048 U	0.84 J	<0.05 U	<0.016 U	<0.12 UJ	<0.045 U	9.9	<0.27 U	<95 UJ	<0.064 U	<0.027 U	<0.054 U	<1.8 UJ	<0.13 U
Shallow	POU3	No	51	N	04/22/08	<0.029 U	5.3	0.51 J	<0.2 U	<0.17 U	<0.085 U	1400	<0.036 UJ	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 UJ	7.6	<0.089 U	<36 U	<0.061 U	<0.032 U	<1.1 U	<0.96 UJ	<0.33 U
Shallow	POU3	No	58	N	09/22/09	<0.52 U	25	0.7 J	<0.12 U	<0.21 U	<0.085 U	440 J	<0.086 U	0.88 J	<0.099 U	<0.11 U	<0.095 U	<0.058 U	5.4	<0.27 U	<85 U	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U
Shallow	WMW5.58SD	No	44	N	02/06/07	<0.31 UJ	<0.39 U	<0.27 U	<0.11 UJ	<0.11 U	<0.5 U	2.4 J	<0.48 U	<0.48 U	<0.5 U	<0.16 U	<1.2 UJ	<0.45 UJ	8.6 J	<2.7 U	<950 UJ	<0.64 U	<0.27 U	<0.54 U	<1.8 UJ	<0.13 U
Shallow	WMW5.58SD	No	51	N	05/16/08	<0.029 UJ	<0.042 UJ	<0.48 UJ	<0.2 UJ	<0.17 UJ	<0.085 UJ															

VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorobromomethane	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Cymene (Isopropyl-toluene)	Dibromomethane	Dichlorodifluoro-methane (Freon-12)	Dichloromethane	Dimethyl disulfide	Ethanol	Ethylbenzene	Isopropylbenzene	m,p-Xylene	Methyl ethyl ketone	Methyl iodide	
						ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Units						ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MCL						--	5	100	--	--	--	--	--	70	--	--	--	--	5840	5	--	--	700	--	--	--	--
BCL						3520	5	100	--	0.7	23	1.6	81	70	--	--	370	5840	5	--	--	700	3440	42600	21300	--	
Middle	MCF-02B	No	58	N	08/21/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	< 0.067 U	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U	
Middle	MCF-05	No	27	N	07/25/04	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	0.74 J	< 2 UJ	< 1 U	< 1 U	< 1 U	< 1 U	< 2 UJ	< 1 UJ	< 5 U	< 5000 UJ	< 1 U	< 1 U	< 2 U	< 5 UJ	< 2 UJ	
Middle	MCF-05	No	37	N	05/17/06	5.6 J+	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	110 J	< 0.22 U	< 0.21 U	< 0.37 U	3.1 J	< 0.19 U	
Middle	MCF-05	No	38	N	08/10/06	1.1 J+	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 U	
Middle	MCF-05	No	42	N	11/14/06	0.8 J+	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 UJ	< 0.27 UJ	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 U	
Middle	MCF-05	No	44	N	01/31/07	0.96 J	< 0.039 U	< 0.027 U	< 0.11 UJ	< 0.11 U	< 0.05 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.05 U	< 0.016 U	< 0.12 UJ	< 0.045 U	< 0.6 U	< 0.27 U	< 95 UJ	< 0.064 U	< 0.027 U	< 0.054 U	< 1.8 UJ	< 0.13 U	
Middle	MCF-05	No	51	N	04/30/08	1.1 J+	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	< 0.08 U	< 0.036 UJ	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 UJ	< 0.091 U	< 0.089 U	< 36 U	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 UJ	< 0.33 U	
Middle	MCF-05	No	58	N	08/28/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	< 0.067 U	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U	
Middle	MCF-08B-R	No	58	N	08/21/09	< 0.52 U	< 0.073 U	6.5	< 0.12 U	< 0.21 U	< 0.085 U	< 0.067 U	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U	
Middle	MCF-08B-R	No	58	FD	08/21/09	< 0.52 U	< 0.073 U	8.2	< 0.12 U	< 0.21 U	< 0.085 U	< 0.067 U	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U	
Middle	MCF-09B	No	27	N	07/20/04	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UJ	< 2 U	0.14 J	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 5 U	--	< 1 U	< 1 U	< 2 U	< 5 U	< 2 U	
Middle	MCF-09B	No	37	N	05/03/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	0.24 J	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 660 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 UJ	< 0.19 U	
Middle	MCF-09B	No	38	N	08/04/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 U	
Middle	MCF-09B	No	42	N	10/25/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 UJ	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 U	
Middle	MCF-09B	No	44	N	02/12/07	< 0.031 U	< 0.039 U	< 0.027 U	< 0.11 U	< 0.11 U	< 0.05 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.05 U	< 0.016 U	< 0.12 U	< 0.045 U	< 0.6 U	< 0.27 U	< 95 UJ	< 0.064 U	< 0.027 U	< 0.054 U	< 1.8 UJ	< 0.13 U	
Middle	MCF-09B	No	51	N	04/25/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	0.2 J	< 0.036 UJ	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 UJ	< 0.091 U	< 0.089 U	< 36 U	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 UJ	< 0.33 U	
Middle	MCF-09B	No	58	N	08/17/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	< 0.067 U	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U	
Middle	MCF-09B	No	58	FD	08/17/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	< 0.067 U	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U	
Middle	MCF-10B	No	27	N	07/21/04	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	0.73 J	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 5 U	--	< 1 U	< 1 U	< 2 U	< 5 U	< 2 U	
Middle	MCF-10B	No	37	N	05/18/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 660 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 UJ	< 0.19 U	
Middle	MCF-10B	No	38	N	08/15/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 U	
Middle	MCF-10B	No	42	N	11/10/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 UJ	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 UJ	
Middle	MCF-10B	No	44	N	02/27/07	< 0.031 U	< 0.039 U	< 0.027 U	< 0.11 U	< 0.11 U	< 0.05 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.05 U	< 0.016 U	< 0.12 U	< 0.045 U	< 0.6 U	< 0.27 U	< 95 UJ	< 0.064 U	< 0.027 U	< 0.054 U	< 1.8 UJ	< 0.13 U	
Middle	MCF-10B	No	51	N	05/08/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	< 0.08 U	< 0.036 UJ	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 UJ	< 0.091 U	< 0.089 U	< 36 U	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 UJ	< 0.33 U	
Middle	MCF-10B	No	58	N	08/18/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	< 0.067 U	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U	
Middle	MCF-11	No	27	N	07/27/04	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	0.26 J	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 5 U	< 5000 UJ	< 1 U	< 1 U	< 2 U	< 5 U	< 2 U	
Middle	MCF-11	No	37	N	05/16/06	< 0.16 UJ	< 0.15 UJ	< 0.2 UJ	< 0.17 UJ	< 0.27 UJ	< 0.16 UJ	< 0.19 UJ	< 0.2 UJ	< 0.19 UJ	< 0.2 UJ	< 0.18 UJ	< 0.23 UJ	< 0.27 UJ	< 0.1 UJ	< 0.27 UJ	< 660 UJ	< 0.22 UJ	< 0.21 UJ	< 0.37 UJ	< 0.56 UJ	< 0.19 UJ	
Middle	MCF-11	No	38	N	08/18/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 U	
Middle	MCF-11	No	42	N	10/27/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	0.26 J+	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 U	
Middle	MCF-11	No	44	N	02/23/07	< 0.031 U	< 0.039 U	< 0.027 U	< 0.11 U	< 0.11 U	< 0.05 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.05 U	< 0.016 U	< 0.12 U	< 0.045 U	< 0.6 U	< 0.27 U	< 95 UJ	< 0.064 U	< 0.027 U	< 0.054 U	< 1.8 UJ	< 0.13 U	
Middle	MCF-11	No	51	N	05/07/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	0.31 J	< 0.036 UJ	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 UJ	< 0.091 U	< 0.089 U	< 36 U	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 UJ	< 0.33 U	
Middle	MCF-11	No	58	N	08/17/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	< 0.067 U	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U	
Middle	MCF-12C	No	27	N	07/21/04	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	0.38 J	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 5 U	--	< 1 U	< 1 U	< 2 U	< 5 U	< 2 U	
Middle	MCF-12C	No	37	N	05/22/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 660 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 UJ	< 0.19 U	
Middle	MCF-12C	No	38	N	08/10/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 U	
Middle																											

**VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorobromomethane	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Cymene (Isopropyl-toluene)	Dibromomethane	Dichlorodifluoro-methane (Freon-12)	Dichloromethane	Dimethyl disulfide	Ethanol	Ethylbenzene	Isopropylbenzene	m,p-Xylene	Methyl ethyl ketone	Methyl iodide					
						Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
						MCL	--	5	100	--	--	--	--	--	70	--	--	--	70	--	--	--	5	--	--	700	--	--	--	--	--
						BCL	3520	5	100	--	0.7	23	1.6	81	70	--	370	5840	5	--	--	700	3440	42600	21300	--					
Deep	MCF-01A	No	42	N	10/24/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	< 0.19 U	0.35 J	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 UJ	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 U					
Deep	MCF-01A	No	44	N	02/02/07	< 0.031 UJ	< 0.039 U	< 0.027 U	< 0.11 UJ	< 0.11 U	< 0.05 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.05 U	< 0.016 U	< 0.12 UJ	< 0.045 U	< 0.6 U	< 0.27 U	< 95 UJ	< 0.064 U	< 0.027 U	< 0.054 U	< 1.8 UJ	< 0.13 U					
Deep	MCF-01A	No	51	N	04/28/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	< 0.08 U	< 0.036 UJ	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 UJ	< 0.091 U	< 0.089 U	< 36 U	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 UJ	< 0.33 U					
Deep	MCF-01A	No	58	N	08/10/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	< 0.067 U	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 UJ	< 0.1 U	< 0.27 U	< 85 U	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U					
Deep	MCF-02A	No	27	N	07/15/04	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 5 U	< 5000 U	< 1 U	< 1 U	< 2 UJ	< 5 U	< 2 U					
Deep	MCF-02A	No	37	N	05/10/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	< 0.19 U	0.5 J	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 660 U	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 UJ	< 0.19 U					
Deep	MCF-02A	No	38	N	08/04/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 U					
Deep	MCF-02A	No	42	N	11/07/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 UJ	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 UJ					
Deep	MCF-02A	No	44	N	02/15/07	< 0.031 U	< 0.039 U	< 0.027 U	< 0.11 U	< 0.11 U	< 0.05 U	0.19 J	< 0.048 U	< 0.048 U	< 0.05 U	< 0.016 U	< 0.12 U	< 0.045 U	< 0.6 U	< 0.27 U	< 95 UJ	< 0.064 U	< 0.027 U	< 0.054 U	< 1.8 UJ	< 0.13 U					
Deep	MCF-02A	No	51	N	05/02/08	< 0.029 UJ	< 0.042 UJ	< 0.48 UJ	< 0.2 UJ	< 0.17 UJ	< 0.085 UJ	< 0.08 UJ	< 0.036 UJ	< 0.13 UJ	< 0.099 UJ	< 0.04 UJ	< 0.14 UJ	< 0.074 UJ	< 0.091 UJ	< 0.089 UJ	< 36 UJ	< 0.061 UJ	< 0.032 UJ	< 1.1 UJ	< 0.96 UJ	< 0.33 UJ					
Deep	MCF-02A	No	58	N	08/21/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	0.44 J	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U					
Deep	MCF-03A	No	27	N	07/13/04	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 UJ	< 5 U	< 5000 U	< 1 U	< 1 U	< 2 UJ+	< 5 UJ	< 2 UJ+					
Deep	MCF-03A	No	37	N	06/07/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 660 U	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 UJ	< 0.19 U					
Deep	MCF-03A	No	38	N	08/14/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 U					
Deep	MCF-03A	No	42	N	11/02/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 UJ	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 UJ					
Deep	MCF-03A	No	44	N	02/27/07	< 0.031 U	< 0.039 U	< 0.027 U	< 0.11 U	< 0.11 U	< 0.05 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.05 U	< 0.016 U	< 0.12 U	< 0.045 U	< 0.6 U	< 0.27 U	< 95 UJ	< 0.064 U	< 0.027 U	< 0.054 U	< 1.8 UJ	< 0.13 U					
Deep	MCF-03A	No	51	N	04/24/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	< 0.08 U	< 0.036 UJ	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 UJ	< 0.091 U	< 0.089 U	< 36 U	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 UJ	< 0.33 U					
Deep	MCF-03A	No	58	N	08/13/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	< 0.067 U	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U					
Deep	MCF-04	No	27	N	07/13/04	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 UJ	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 UJ+	< 5 U	< 5000 U	< 1 U	< 1 U	< 2 UJ+	1.7 J	< 2 UJ					
Deep	MCF-04	No	37	N	05/10/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 660 U	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 UJ	< 0.19 U					
Deep	MCF-04	No	38	N	08/15/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 U	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 U					
Deep	MCF-04	No	42	N	11/08/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	< 0.19 U	2.2 J	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 UJ	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 UJ					
Deep	MCF-04	No	44	N	02/20/07	< 0.031 U	< 0.039 U	< 0.027 U	< 0.11 U	< 0.11 U	< 0.05 U	< 0.048 U	< 0.048 U	< 0.048 U	< 0.05 U	< 0.016 U	< 0.12 U	< 0.045 U	< 0.6 U	< 0.27 U	< 95 UJ	< 0.064 U	< 0.027 U	< 0.054 U	< 1.8 UJ	< 0.13 U					
Deep	MCF-04	No	51	N	04/30/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	< 0.08 U	< 0.036 UJ	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 UJ	< 0.091 U	< 0.089 U	< 36 U	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 UJ	< 0.33 U					
Deep	MCF-04	No	58	N	08/28/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	< 0.067 U	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 UJ	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	0.16 J+					
Deep	MCF-06A-R	No	58	N	09/21/09	< 0.52 U	< 0.073 U	< 0.06 U	< 0.12 U	< 0.21 U	< 0.085 U	< 0.067 U	< 0.086 U	< 0.14 U	< 0.099 U	< 0.11 U	< 0.095 U	< 0.058 U	< 0.1 U	< 0.27 U	< 85 U	< 0.11 U	< 0.096 U	< 0.19 U	< 0.83 U	< 0.091 U					
Deep	MCF-07	No	27	N	07/24/04	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	0.48 J	< 1 U	< 1 U	< 1 U	< 1 U	< 2 UJ	< 1 UJ	< 5 U	< 5000 UJ	< 1 U	< 1 U	< 2 U	< 5 UJ	< 2 UJ+					
Deep	MCF-07	No	38	N	08/30/06	< 0.8 U	< 0.76 U	< 0.98 U	< 0.17 U	< 0.27 U	< 0.78 U	< 0.94 U	< 0.94 U	< 0.94 U	< 0.98 U	< 0.89 U	< 1.2 U	< 1.4 U	< 0.5 U	< 1.4 U	< 480 UJ	< 1.1 U	< 1.1 U	< 1.8 U	< 2.8 U	< 0.19 U					
Deep	MCF-07	No	42	N	11/10/06	< 0.16 U	< 0.15 U	< 0.2 U	< 0.17 U	< 0.27 U	< 0.16 U	< 0.19 U	< 0.2 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.23 UJ	< 0.27 U	< 0.1 U	< 0.27 U	< 95 UJ	< 0.22 U	< 0.21 U	< 0.37 U	< 0.56 U	< 0.19 UJ					
Deep	MCF-07	No	44	N	02/23/07	< 0.031 UJ	< 0.039 UJ	< 0.027 UJ	< 0.11 UJ	< 0.11 UJ	< 0.05 UJ	< 0.048 UJ	< 0.048 UJ	< 0.048 UJ	< 0.05 UJ	< 0.016 UJ	< 0.12 UJ	< 0.045 UJ	< 0.6 UJ	< 0.27 UJ	< 95 UJ	< 0.064 UJ	< 0.027 UJ	< 0.054 UJ	< 1.8 UJ	< 0.13 UJ					
Deep	MCF-07	No	51	N	05/02/08	< 0.029 U	< 0.042 U	< 0.48 U	< 0.2 U	< 0.17 U	< 0.085 U	< 0.08 U	< 0.036 UJ	< 0.13 U	< 0.099 U	< 0.04 U	< 0.14 U	< 0.074 UJ	< 0.091 U	< 0.089 U	< 36 U	< 0.061 U	< 0.032 U	< 1.1 U	< 0.96 UJ	< 0.33 U					
Deep	MCF-07	No	58	N	09/11/09	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R				
Deep	MCF-08A	No	27	N	07/18/04	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 5 U	--	< 1 U	< 1 U	< 2 U	< 5 U	< 2 U					
Deep	MCF-08A	No	37																												

VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DWSR	Sample Type	Sample Date	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chlorobromomethane	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Cymene (Isopropyl-toluene)	Dibromomethane	Dichlorodifluoro-methane (Freon-12)	Dichloromethane	Dimethyl disulfide	Ethanol	Ethylbenzene	Isopropylbenzene	m,p-Xylene	Methyl ethyl ketone	Methyl iodide	
						Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MCL						--	5	100	--	--	--	--	--	70	--	--	--	--	5	--	--	700	--	--	--	--	--
BCL						3520	5	100	--	0.7	23	1.6	81	70	--	--	370	5840	5	--	--	700	3440	42600	21300	--	
Deep	MCF-12A	No	38	N	08/10/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	<0.19 U	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U	
Deep	MCF-12A	No	42	N	11/10/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	<0.19 U	0.57 J	<0.19 U	<0.2 U	<0.18 U	<0.23 UJ	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 UJ	
Deep	MCF-12A	No	44	N	02/23/07	<0.031 U	<0.039 U	<0.027 U	<0.11 U	<0.11 U	<0.05 U	<0.048 U	<0.048 U	<0.048 U	<0.05 U	<0.016 U	<0.12 U	<0.045 U	<0.6 U	<0.27 U	<95 UJ	<0.064 U	<0.027 U	<0.054 U	<1.8 UJ	<0.13 U	
Deep	MCF-12A	No	51	N	05/08/08	<0.029 U	<0.042 U	<0.48 U	<0.2 U	<0.17 U	<0.085 U	0.16 J	<0.036 UJ	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 UJ	<0.091 U	<0.089 U	<36 U	<0.061 U	<0.032 U	<1.1 U	<0.96 UJ	<0.33 U	
Deep	MCF-12A	No	58	N	08/27/09	<0.52 U	<0.073 U	<0.06 U	<0.12 U	<0.21 U	<0.085 U	<0.067 U	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 UJ	
Deep	MCF-16A	No	27	N	07/23/04	<1 U	<1 U	<1 U	<1 U	<1 U	<2 U	<1 U	0.27 J+	<1 U	<1 U	<1 U	<1 U	<2 U	<1 U	<5 U	--	<1 U	<1 U	<2 U	<5 U	<2 U	
Deep	MCF-16A	No	37	N	05/18/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	<0.19 U	<0.2 UJ	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<660 U	<0.22 U	<0.21 U	<0.37 U	<0.56 UJ	<0.19 U	
Deep	MCF-16A	No	38	N	08/21/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	<0.19 U	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U	
Deep	MCF-16A	No	42	N	11/06/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	<0.19 U	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 UJ	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 UJ	
Deep	MCF-16A	No	44	N	02/16/07	<0.031 U	<0.039 U	<0.027 U	<0.11 U	<0.11 U	<0.05 U	<0.048 UJ	<0.048 U	<0.048 U	<0.05 U	<0.016 U	<0.12 U	<0.045 U	<0.6 U	<0.27 U	<95 UJ	<0.064 U	<0.027 U	<0.054 U	<1.8 UJ	<0.13 U	
Deep	MCF-16A	No	51	N	05/19/08	<0.029 U	<0.042 U	<0.48 U	<0.2 U	<0.17 U	<0.085 U	<0.08 U	<0.036 U	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 U	<0.091 U	<0.089 U	<36 U	<0.061 U	<0.032 U	<1.1 U	<0.96 UJ	<0.33 U	
Deep	MCF-16A	No	58	N	10/05/09	<0.52 U	<0.073 U	<0.06 U	<0.12 U	<0.21 U	<0.085 U	<0.067 U	0.35 J	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 UJ	
Deep	MCF-17A	No	51	N	07/21/08	<0.029 U	<0.042 U	<0.48 U	<0.2 U	<0.17 U	<0.085 U	<0.08 U	<0.036 U	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 U	<0.091 U	<0.089 U	<36 UJ	<0.061 U	<0.032 U	<1.1 U	<0.96 U	<0.33 U	
Deep	MCF-17A	No	58	N	09/29/09	<0.52 U	<0.073 U	<0.06 U	<0.12 U	<0.21 U	<0.085 U	<0.067 U	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 U	<0.11 U	<0.096 U	<0.19 U	<0.83 U	0.37 J	
Deep	MCF-17A	No	58	FD	09/29/09	<0.52 U	<0.073 U	<0.06 U	<0.12 U	<0.21 U	<0.085 U	<0.067 U	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 U	<0.11 U	<0.096 U	<0.19 U	<0.83 U	0.46 J	
Deep	MCF-18A	No	51	N	07/18/08	<0.029 UJ	<0.042 UJ	<0.48 UJ	<0.2 UJ	<0.17 UJ	<0.085 UJ	1.2 J	<0.036 UJ	<0.13 UJ	<0.099 UJ	<0.04 UJ	<0.14 UJ	<0.074 UJ	<0.091 UJ	<0.089 UJ	<36 UJ	<0.061 UJ	<0.032 UJ	<1.1 UJ	3.7 J	0.36 J	
Deep	MCF-18A	No	58	N	09/21/09	<0.52 U	<0.073 U	<0.06 U	<0.12 U	<0.21 U	<0.085 U	<0.067 U	0.25 J+	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 U	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U	
Deep	MCF-18A	No	58	FD	09/21/09	<0.52 U	<0.073 U	<0.06 U	<0.12 U	<0.21 U	<0.085 U	<0.067 U	0.23 J+	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 U	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U	
Deep	MCF-19A	No	51	N	07/21/08	<0.029 U	<0.042 U	<0.48 U	<0.2 U	<0.17 U	<0.085 U	<0.08 U	<0.036 U	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 U	<0.091 U	<0.089 U	<36 UJ	<0.061 U	<0.032 U	<1.1 U	<0.96 U	<0.33 U	
Deep	MCF-19A	No	58	N	09/03/09	<0.52 U	<0.073 U	<0.06 U	<0.12 U	<0.21 U	<0.085 U	<0.067 U	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U	
Deep	MCF-19A	No	58	FD	09/03/09	<0.52 U	<0.073 U	<0.06 U	<0.12 U	<0.21 U	<0.085 U	<0.067 U	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U	
Deep	MCF-20A	No	51	N	07/18/08	<0.029 U	<0.042 U	<0.48 U	<0.2 U	<0.17 U	<0.085 U	<0.08 U	<0.036 U	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 U	<0.091 U	<0.089 U	<36 UJ	<0.061 U	<0.032 U	<1.1 U	14 J+	<0.33 U	
Deep	MCF-20A	No	58	N	09/03/09	<0.52 U	<0.073 U	<0.06 U	<0.12 U	<0.21 U	<0.085 U	<0.067 U	0.21 J+	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U	
Deep	MCF-21A	No	51	N	07/23/08	<0.029 UJ	<0.042 UJ	<0.48 UJ	<0.2 UJ	<0.17 UJ	<0.085 UJ	<0.08 UJ	<0.036 UJ	<0.13 UJ	<0.099 UJ	<0.04 UJ	<0.14 UJ	<0.074 UJ	<0.091 UJ	<0.089 UJ	<36 UJ	0.9 J	<0.032 UJ	<1.1 UJ	<0.96 UJ	<0.33 UJ	
Deep	MCF-21A	No	58	N	08/25/09	<0.52 U	<0.073 U	<0.06 U	<0.12 U	<0.21 U	<0.085 U	<0.067 U	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 UJ	0.69 J	<0.096 U	<0.19 U	<0.83 U	<0.091 U	
Deep	MCF-22A	No	51	N	07/23/08	<0.029 U	<0.042 U	<0.48 U	<0.2 U	<0.17 U	<0.085 U	<0.08 U	<0.036 U	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 U	<0.091 U	<0.089 U	<36 UJ	<0.061 U	<0.032 U	<1.1 U	<0.96 U	<0.33 U	
Deep	MCF-22A	No	58	N	10/09/09	<0.52 U	<0.073 U	<0.06 U	<0.12 U	<0.21 U	<0.085 U	<0.067 U	0.16 J+	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 UJ	<0.1 U	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U	
Deep	MCF-23A	No	51	N	07/21/08	<0.029 U	<0.042 U	<0.48 U	<0.2 U	<0.17 U	<0.085 U	<0.08 U	0.26 J	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 U	<0.091 U	<0.089 U	<36 UJ	<0.061 U	<0.032 U	<1.1 U	<0.96 U	<0.33 U	
Deep	MCF-23A	No	58	N	10/05/09	<0.52 U	<0.073 U	<0.06 U	<0.12 U	<0.21 U	0.21 J	<0.067 U	0.45 J	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 U	
Deep	MCF-24A	No	51	N	07/28/08	<0.029 U	<0.042 U	<0.48 U	<0.2 U	<0.17 U	<0.085 U	<0.08 U	<0.036 U	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 U	<0.091 U	<0.089 U	<36 UJ	<0.061 U	<0.032 U	<1.1 U	<0.96 U	<0.33 U	
Deep	MCF-24A	No	58	N	08/28/09	<0.52 U	<0.073 U	<0.06 U	<0.12 U	<0.21 U	<0.085 U	<0.067 U	0.17 J	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	<0.091 UJ	
Deep	MCF-25A	No	51	N	07/28/08	<0.029 U	<0.042 U	<0.48 U	<0.2 U	<0.17 U	<0.085 U	<0.08 U	<0.036 U	<0.13 U	<0.099 U	<0.04 U	<0.14 U	<0.074 U	<0.091 U	<0.089 U	<36 UJ	<0.061 U	<0.032 U	<1.1 U	<0.96 U	<0.33 U	
Deep	MCF-25A	No	58	N	08/28/09	<0.52 U	<0.073 U	<0.06 U	<0.12 U	<0.21 U	<0.085 U	<0.067 U	<0.086 U	<0.14 U	<0.099 U	<0.11 U	<0.095 U	<0.058 U	<0.1 U	<0.27 U	<85 UJ	<0.11 U	<0.096 U	<0.19 U	<0.83 U	0.36 J+	
Deep	MCF-27	No	27	N	07/26/04	<1 U	<1 U	<1 U	<1 U	<1 U	<2 U	<1 U	<2 U	<1 U	<1 U	<1 U	<1 U	<2 U	<1 U	<5 U	<5000 UJ	<1 UJ	<1 U	<2 U	<5 UJ	<2 U	
Deep	MCF-27	No	37	N	05/19/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	<0.19 U	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<660 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 UJ	<0.19 U	
Deep	MCF-27	No	38	N	08/02/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	<0.19 U	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U	
Deep	MCF-27	No	42	N	10/20/06	<0.16 U	<0.15 U	<0.2 U	<0.17 U	<0.27 U	<0.16 U	<0.19 U	<0.2 U	<0.19 U	<0.2 U	<0.18 U	<0.23 U	<0.27 U	<0.1 U	<0.27 U	<95 UJ	<0.22 U	<0.21 U	<0.37 U	<0.56 U	<0.19 U	
Deep	MCF-27	No	44	N	02/20/07	<0.031 U	<0.039 U	<0.027 U	<0.11 U</																		

**VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	MtBE (Methyl tert-butyl ether)	n-Butylbenzene	n-Heptane	Nonanal	n-Propylbenzene	o-Xylene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	Total Trihalomethanes	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Vinyl acetate	Vinyl chloride	Xylenes (total)
						Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
						MCL	--	--	--	--	--	--	100	--	5	1000	80	100	--	5	--	--	2	10000
						BCL	35	370	--	370	42600	370	100	370	5	1000	--	100	--	5	9890	16200	2	10000
Shallow	AA-01	No	27	N	07/15/04	< 2 U	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	78	< 1 U	--	< 1 U	< 1 U	0.24 J	< 1 U	< 2 U	< 2 U	< 3 U
Shallow	AA-01	No	37	N	04/26/06	< 0.32 U	< 0.087 U	< 1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	81	< 0.2 U	--	< 0.16 U	< 0.23 U	0.34 J	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	AA-01	No	38	N	08/01/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	45	< 0.2 U	--	< 0.16 U	< 0.23 U	0.29 J	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	AA-01	No	42	N	10/18/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	42	< 0.2 U	--	< 0.16 U	< 0.23 U	0.46 J	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	AA-01	No	44	N	01/25/07	< 0.031 U	< 0.045 U	< 0.1 U	< 0.31 U	< 0.049 U	< 0.031 U	< 0.032 U	< 0.044 U	< 0.037 U	84 J	< 0.016 U	--	< 0.085 U	< 0.085 U	0.44 J	< 0.032 U	< 0.72 U	< 0.044 U	< 0.13 U
Shallow	AA-01	No	51	N	04/22/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	54	< 0.029 U	--	< 0.089 U	< 0.08 U	0.41 J	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	AA-01	No	58	N	08/07/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	73 J	< 0.07 U	5.9	< 0.081 U	< 0.23 U	0.3 J	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	AA-07	No	27	N	07/24/04	< 2 UJ+	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.27 J	< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 2 UJ+	< 2 U	< 3 U
Shallow	AA-07	No	37	N	06/06/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	AA-07	No	38	N	08/16/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	0.35 J	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	AA-07	No	42	N	11/03/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	0.23 J	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	AA-07	No	44	N	02/26/07	< 0.031 U	< 0.045 U	< 0.1 U	< 0.31 U	< 0.049 U	< 0.031 U	< 0.032 U	< 0.044 U	< 0.037 U	0.22 J	< 0.025 U	--	< 0.016 U	< 0.085 U	< 0.037 U	< 0.032 U	< 0.72 U	< 0.044 U	< 0.13 U
Shallow	AA-07	No	51	N	04/21/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	AA-07	No	58	N	08/10/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	26.2	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	AA-08	No	27	N	07/19/04	< 2 U	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	3.5	< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 3 U
Shallow	AA-08	No	37	N	05/25/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	1.6	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	AA-08	No	38	N	08/14/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	3.3	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	AA-08	No	42	N	11/01/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	4.7	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	AA-08	No	44	N	02/08/07	< 0.031 U	< 0.045 U	< 0.1 U	< 0.31 U	< 0.049 U	< 0.031 U	< 0.032 U	< 0.044 U	< 0.037 U	3.9	< 0.025 U	--	< 0.016 U	< 0.085 U	< 0.037 U	< 0.032 U	< 0.72 U	< 0.044 U	< 0.13 U
Shallow	AA-08	No	51	N	05/16/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	1.9	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	AA-08	No	58	N	08/14/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	0.39	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	AA-09	No	27	N	07/20/04	< 2 U	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	18	0.15 J	--	< 1 U	< 1 U	0.58 J	< 1 U	< 2 U	< 2 U	< 3 U
Shallow	AA-09	No	37	N	05/01/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	19	< 0.2 U	--	< 0.16 U	< 0.23 U	0.64 J	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	AA-09	No	38	N	08/11/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	8.3	< 0.2 U	--	< 0.16 U	< 0.23 U	0.62 J	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	AA-09	No	42	N	10/23/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	4.7	< 0.2 U	--	< 0.16 U	< 0.23 U	0.58 J	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	AA-09	No	44	N	01/26/07	< 0.031 U	< 0.045 U	< 0.1 U	< 0.31 U	< 0.049 U	< 0.031 U	< 0.032 U	< 0.044 U	< 0.037 U	15	< 0.025 U	--	< 0.016 U	< 0.085 U	< 0.037 U	< 0.032 U	< 0.72 U	< 0.044 U	< 0.13 U
Shallow	AA-09	No	51	N	05/16/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	2.7	< 0.029 U	--	< 0.089 U	< 0.08 U	0.34 J	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	AA-09	No	58	N	08/12/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	4 J+	< 0.07 U	61.2	< 0.081 U	< 0.23 U	0.33 J	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	AA-10	No	27	N	07/20/04	< 2 U	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.48 J	< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 3 U
Shallow	AA-10	No	37	N	05/12/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	0.61 J	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	AA-10	No	38	N	08/11/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	0.44 J	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	AA-10	No	42	N	10/27/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	0.3 J	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	AA-10	No	44	N	02/05/07	< 0.031 U	< 0.045 U	< 0.1 U	< 0.31 U	< 0.049 U	< 0.031 U	< 0.032 U	< 0.044 U	< 0.037 U	0.33 J	< 0.025 U	--	< 0.016 U	< 0.085 U	< 0.037 U	< 0.032 U	< 0.72 U	< 0.044 U	< 0.13 U
Shallow	AA-10	No	51	N	05/12/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	AA-10	No	58	N	08/11/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	0.54 J+	< 0.07 U	4.3	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	AA-13	No	27	N	07/14/04	< 2 U	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.16 J	< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 3 UJ+
Shallow	AA-13	No	37	N	05/12/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	0.27 J-	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	AA-13	No	38	N	08/03/06	< 0.32 U	< 0.087 U</																	

VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	MtBE (Methyl tert-butyl ether)	n-Butylbenzene	n-Heptane	Nonanal	n-Propylbenzene	o-Xylene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	Total Trihalomethanes	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Vinyl acetate	Vinyl chloride	Xylenes (total)
						ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--	--	100	--	5	1000	80	100	--	5	--	--	2	10000
					BCL	35	370	--	--	370	42600	370	100	370	5	1000	80	100	--	5	9890	16200	2	10000
Shallow	AA-20	No	58	N	09/11/09	0.3 J	<0.12 U	<0.12 U	<1.2 U	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	4	<0.07 U	76.2	<0.081 U	<0.23 U	0.27 J	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	AA-21	No	27	N	07/25/04	<2 UJ+	<1 UJ-	--	--	<1 UJ	<1 UJ	<1 UJ	<1 UJ-	<1 UJ	<1 U	<1 UJ-	--	<1 U	<1 U	<1 U	<1 U	<2 UJ+	<2 U	<3 UJ-
Shallow	AA-21	No	37	N	05/19/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 UJ	<0.23 U	<0.58 U
Shallow	AA-21	No	38	N	08/17/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 U	<0.23 U	<0.58 U
Shallow	AA-21	No	42	N	10/31/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 U	<0.23 U	<0.58 U
Shallow	AA-21	No	44	N	01/29/07	<0.031 U	<0.045 U	<0.1 U	<0.31 U	<0.049 U	<0.031 U	<0.032 U	<0.044 U	<0.037 U	<0.17 U	<0.025 U	--	<0.016 U	<0.085 U	<0.037 U	<0.032 U	<0.72 U	<0.044 U	<0.13 U
Shallow	AA-21	No	51	N	05/13/08	<0.13 U	<0.069 U	<0.08 U	<0.007 UJ	<0.029 U	<0.056 U	<0.053 U	<0.079 U	<0.039 U	<0.14 U	<0.029 U	--	<0.089 U	<0.08 U	<0.11 U	<0.1 U	<0.22 U	<0.13 U	<1.6 U
Shallow	AA-21	No	58	N	08/12/09	<0.098 U	<0.12 U	<0.12 U	<1.2 U	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	<0.065 U	<0.07 U	1.2	<0.081 U	<0.23 U	<0.091 U	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	AA-22	No	27	N	07/17/04	<2 U	<1 U	--	--	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	--	<1 U	<1 U	<1 U	<1 U	<2 U	<2 U	<3 U
Shallow	AA-22	No	37	N	05/24/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 UJ	<0.23 U	<0.58 U
Shallow	AA-22	No	38	N	08/18/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 U	<0.23 U	<0.58 U
Shallow	AA-22	No	42	N	11/03/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 U	<0.23 U	<0.58 U
Shallow	AA-22	No	44	N	02/09/07	<0.031 U	<0.045 U	<0.1 U	<0.31 UJ	<0.049 U	<0.031 U	<0.032 U	<0.044 U	<0.037 U	<0.17 U	<0.025 U	--	<0.016 U	<0.085 U	<0.037 U	<0.032 U	<0.72 U	<0.044 U	<0.13 U
Shallow	AA-22	No	51	N	05/14/08	<0.13 U	<0.069 U	<0.08 U	<0.007 UJ	<0.029 U	<0.056 U	<0.053 U	<0.079 U	<0.039 U	<0.14 U	<0.029 U	--	<0.089 U	<0.08 U	<0.11 U	<0.1 U	<0.22 U	<0.13 U	<1.6 U
Shallow	AA-22	No	58	N	09/23/09	<0.098 U	<0.12 U	<0.12 U	1.3 J	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	<0.065 U	<0.07 U	2	<0.081 U	<0.23 U	<0.091 U	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	AA-23-R	No	51	N	05/19/08	<0.13 U	<0.069 U	<0.08 U	<0.007 UJ	<0.029 U	<0.056 U	<0.053 U	<0.079 U	<0.039 U	<0.14 U	<0.029 U	--	<0.089 U	<0.08 U	<0.11 U	<0.1 U	<0.22 U	<0.13 U	<1.6 U
Shallow	AA-23-R	No	58	N	09/10/09	<0.098 U	<0.12 U	<0.12 U	<1.2 U	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	0.33 J	<0.07 U	2.1	<0.081 U	<0.23 U	<0.091 U	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	AA-26	No	27	N	07/20/04	<2 U	<1 U	--	--	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	--	<1 U	<1 U	<1 U	<1 U	<2 U	<2 U	<3 U
Shallow	AA-26	No	37	N	05/24/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 UJ	<0.23 U	<0.58 U
Shallow	AA-26	No	38	N	08/17/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 U	<0.23 U	<0.58 U
Shallow	AA-26	No	42	N	10/26/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 U	<0.23 U	<0.58 U
Shallow	AA-26	No	44	N	02/28/07	<0.031 U	<0.045 U	<0.1 U	<0.31 UJ	<0.049 U	<0.031 U	<0.032 U	<0.044 U	<0.037 U	<0.17 U	<0.025 U	--	<0.016 U	<0.085 U	<0.037 U	<0.032 U	<0.72 UJ	<0.044 U	<0.13 U
Shallow	AA-26	No	51	N	05/19/08	<0.13 U	<0.069 U	<0.08 U	<0.007 UJ	<0.029 U	<0.056 U	<0.053 U	<0.079 U	<0.039 U	<0.14 U	0.14 J	--	<0.089 U	<0.08 U	<0.11 U	<0.1 U	<0.22 U	<0.13 U	<1.6 U
Shallow	AA-26	No	58	N	09/11/09	<0.098 U	<0.12 U	<0.12 U	<1.2 U	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	<0.065 U	<0.07 U	0.76	<0.081 U	<0.23 U	<0.091 U	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	AA-27	No	27	N	07/16/04	<2 U	<1 U	--	--	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	--	<1 U	<1 U	<1 U	<1 U	<2 U	<2 U	<3 U
Shallow	AA-27	No	37	N	04/27/06	<0.32 U	<0.087 U	<1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 U	<0.23 U	<0.58 U
Shallow	AA-27	No	38	N	08/02/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 U	<0.23 U	<0.58 U
Shallow	AA-27	No	42	N	10/19/06	<0.32 U	<0.087 U	<0.1 U	<0.31 UJ	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 U	<0.23 U	<0.58 U
Shallow	AA-27	No	44	N	02/02/07	--	<0.045 U	<0.1 U	<0.31 UJ	<0.049 U	<0.031 U	<0.032 U	<0.044 U	<0.037 U	<0.17 U	<0.025 U	--	<0.016 U	<0.085 U	<0.037 U	<0.032 U	<0.72 U	<0.044 U	<0.13 U
Shallow	AA-27	No	51	N	05/14/08	<0.13 U	<0.069 U	<0.08 U	<0.007 UJ	<0.029 U	<0.056 U	<0.053 U	<0.079 U	<0.039 U	<0.14 U	<0.029 U	--	<0.089 U	<0.08 U	<0.11 U	<0.1 U	<0.22 U	<0.13 U	<1.6 U
Shallow	AA-27	No	58	N	08/26/09	<0.098 U	<0.12 U	<0.12 U	<1.2 U	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	<0.065 U	<0.07 U	1.4	<0.081 U	<0.23 U	<0.091 U	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	AA-30	No	58	N	09/09/09	<0.098 U	<0.12 U	<0.12 U	<1.2 U	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	0.69 J	<0.07 U	70.2	<0.081 U	<0.23 U	0.17 J	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	AA-UW1	No	51	N	05/20/08	<0.13 U	<0.069 U	<0.08 U	<0.007 UJ	<0.029 U	<0.056 U	<0.053 U	<0.079 U	<0.039 U	24	0.39 J	--	<0.089 U	<0.08 U	0.26 J	<0.1 U	<0.22 U	<0.13 U	<1.6 U
Shallow	AA-UW1	No	58	N	08/24/09	<0.098 U	<0.12 U	<0.12 U	<1.2 U	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	53 J	<0.07 U	<0.26 U	<0.081 U	<0.23 U	<0.091 U	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	AA-UW2	No	51	N	05/16/08	<0.13 U	<0.069 U	<0.08 U	<0.007 UJ	<0.029 U	<0.056 U	<0.053 U	<0.079 U	<0.039 U	<0.14 U	0.54 J	--	<0.089 U	<0.08 U	<0.11 U	<0.1 U	<0.22 U	<0.13 U	<1.6 U
Shallow	AA-UW2	No	58	N	08/11/09	<0.098 U	<0.12 U	<0.12 U	<1.2 U	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	<0.065 U	<0.07 U	1.1	<0.081 U	<0.23 U	<0.091 U	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	AA-UW3	No	51	N	05/20/08	<0.13 U	<0.069 U	<0.08 U	<0.007 UJ	<0.029 U	<0.056 U	<0.053 U	<0.079 U	<0.039 U	<0.14 U	0.67 J	--	<0.089 U	<0.08 U	<0.11 U	<0.1 U	<0.22 U	<0.13 U	<1.6 U
Shallow	AA-UW3	No	58	N	08/25/09	<0.098 U	<0.12 U	<0.12 U	<1.2 U	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	<0.065 U	<0.07 U	2.8							

VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	MtBE (Methyl tert-butyl ether)	n-Butylbenzene	n-Heptane	Nonanal	n-Propylbenzene	o-Xylene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	Total Trihalomethanes	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Vinyl acetate	Vinyl chloride	Xylenes (total)
						Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
						MCL	--	--	--	--	--	--	100	--	5	1000	80	100	--	5	--	--	2	10000
						BCL	35	370	--	370	42600	370	100	370	5	1000	--	100	--	5	9890	16200	2	10000
Shallow	BEC-9	No	38	N	08/02/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	0.89 J	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	BEC-9	No	42	N	10/19/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	0.82 J	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	BEC-9	No	44	N	01/29/07	< 0.031 U	< 0.045 U	< 0.1 U	< 0.31 U	< 0.049 U	< 0.031 U	< 0.032 U	< 0.044 U	< 0.037 U	1.1 J	< 0.025 U	--	< 0.016 U	< 0.085 U	< 0.037 U	< 0.032 U	< 0.72 U	< 0.044 U	< 0.13 U
Shallow	BEC-9	No	51	N	04/24/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	BEC-9	No	58	N	08/18/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	0.15 J	< 0.07 U	12.2	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	COH-2A	No	44	N	01/30/07	0.45 J	< 0.045 U	< 0.1 U	< 0.31 U	< 0.049 U	< 0.031 U	< 0.032 U	< 0.044 U	< 0.037 U	1.9	< 0.025 U	--	< 0.016 U	< 0.085 U	0.24 J	< 0.032 U	< 0.72 U	< 0.044 U	< 0.13 U
Shallow	COH-2A	No	51	N	05/08/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	COH-2A	No	58	N	09/11/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	0.29 J	< 0.07 U	0.45	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	DBMW-1	No	51	N	05/20/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	0.15 J	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	DBMW-1	No	58	N	08/31/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	61.2	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	DBMW-10	No	51	N	05/27/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	DBMW-10	No	58	N	09/29/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	0.23 J	< 0.07 U	58.2	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	DBMW-11	No	51	N	06/02/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	DBMW-11	No	58	N	10/01/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	0.74 J	< 0.07 U	900.3	< 0.081 U	< 0.23 U	0.12 J	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	DBMW-12	No	51	N	05/27/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	DBMW-12	No	58	N	09/24/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	0.38 J	< 0.07 U	590.2	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	DBMW-12	No	58	FD	09/24/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	0.42 J	< 0.07 U	510.2	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	DBMW-13	No	51	N	05/28/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	DBMW-13	No	58	N	09/29/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	0.52 J	< 0.07 U	250.3	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	DBMW-14	No	51	N	05/29/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	DBMW-14	No	58	N	09/29/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	0.066 J	< 0.07 U	88.2	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	DBMW-15	No	51	N	05/28/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	DBMW-15	No	58	N	09/30/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	0.16 J+	< 0.07 U	26.4	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	DBMW-16	No	51	N	05/29/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	DBMW-16	No	58	N	10/02/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	DBMW-17	No	51	N	05/30/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	DBMW-17	No	58	N	10/02/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	DBMW-19	No	51	N	05/30/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	0.82 J+	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	DBMW-19	No	58	N	09/24/09	0.23 J	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	0.43 J	< 0.07 U	50.2	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	DBMW-2	No	51	N	06/02/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	DBMW-2	No	58	N	09/04/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	41.2	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	DBMW-20	No	51	N	05/13/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	DBMW-20	No	58	N	09/30/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	0.53 J+	< 0.07 U	81.2	< 0.081 U	< 0.23 U	0.11 J+	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	DBMW-22	No	51	N	05/30/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	DBMW-22	No	58	N	09/28/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	0.61	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U

**VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	MTBE (Methyl tert-butyl ether)	n-Butylbenzene	n-Heptane	Nonanal	n-Propylbenzene	o-Xylene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	Total Trihalomethanes	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Vinyl acetate	Vinyl chloride	Xylenes (total)
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--	--	100	--	5	1000	80	100	--	5	--	--	2	10000
					BCL	35	370	--	--	370	42600	370	100	370	5	1000	80	100	--	5	9890	16200	2	10000
Shallow	DM-1	No	58	N	10/01/09	<0.098 U	<0.12 U	<0.12 U	<1.2 UJ	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	0.16 J	<0.07 U	3.1	<0.081 U	<0.23 U	<0.091 U	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	HMW-08	No	44	N	02/02/07	<0.031 U	<0.045 U	<0.1 U	<0.31 UJ	<0.049 U	<0.031 U	<0.032 U	<0.044 U	<0.037 U	<0.17 U	<0.025 U	--	<0.016 U	<0.085 U	<0.037 U	<0.032 U	<0.72 U	<0.044 U	<0.13 U
Shallow	HMW-08	No	51	N	05/06/08	<0.13 U	<0.069 U	<0.08 U	<0.007 UJ	<0.029 U	<0.056 U	<0.053 U	<0.079 U	<0.039 U	<0.14 U	<0.029 U	--	<0.089 U	<0.08 U	<0.11 U	<0.1 U	<0.22 U	<0.13 U	<1.6 U
Shallow	HMW-08	No	58	N	09/29/09	<0.098 U	<0.12 U	<0.12 U	<1.2 UJ	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	0.28 J	<0.07 U	<0.26 U	<0.081 U	<0.23 U	<0.091 U	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	HMW-09	No	44	N	02/09/07	<0.031 U	<0.045 U	<0.1 U	<0.31 UJ	<0.049 U	<0.031 U	<0.032 U	<0.044 U	<0.037 U	0.19 J	<0.025 U	--	<0.016 U	<0.085 U	<0.037 U	<0.032 U	<0.72 U	<0.044 U	<0.13 U
Shallow	HMW-09	No	51	N	05/06/08	<0.13 U	<0.069 U	<0.08 U	<0.007 UJ	<0.029 U	<0.056 U	<0.053 U	<0.079 U	<0.039 U	<0.14 U	<0.029 U	--	<0.089 U	<0.08 U	<0.11 U	<0.1 U	<0.22 U	<0.13 U	<1.6 U
Shallow	HMW-09	No	58	N	09/28/09	0.4 J	<0.12 U	<0.12 U	<1.2 U	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	1.2	0.082 J	13.2	<0.081 U	<0.23 U	0.21 J	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	HMWWT-6	No	44	N	02/21/07	<0.031 U	<0.045 U	<0.1 U	<0.31 UJ	<0.049 U	<0.031 U	<0.032 U	<0.044 U	<0.037 U	0.26 J	<0.025 U	--	<0.016 U	<0.085 U	<0.037 U	<0.032 U	<0.72 U	<0.044 U	<0.13 U
Shallow	HMWWT-6	No	51	N	04/25/08	<0.13 U	<0.069 U	<0.08 U	<0.007 UJ	<0.029 U	<0.056 U	<0.053 U	<0.079 U	<0.039 U	<0.14 U	<0.029 U	--	<0.089 U	<0.08 U	<0.11 U	<0.1 U	<0.22 U	<0.13 U	<1.6 U
Shallow	HMWWT-6	No	58	N	09/04/09	<0.098 U	<0.12 U	<0.12 U	<1.2 U	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	0.4 J	<0.07 U	3.2	<0.081 U	<0.23 U	<0.091 U	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	MCF-01B	No	27	N	07/24/04	<2 UJ+	<1 U	--	--	<1 U	<1 U	<1 U	<1 U	<1 U	37 J	<1 U	--	<1 U	<1 U	0.51 J	<1 U	<2 UJ+	<2 U	<3 U
Shallow	MCF-01B	No	37	N	05/11/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	21	<0.2 U	--	<0.16 U	<0.23 U	0.64 J	<0.19 U	<0.46 UJ	<0.23 U	<0.58 U
Shallow	MCF-01B	No	38	N	07/31/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	19	<0.2 U	--	<0.16 U	<0.23 U	0.49 J	<0.19 U	<0.46 U	<0.23 U	<0.58 U
Shallow	MCF-01B	No	42	N	11/06/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	19	<0.2 U	--	<0.16 U	<0.23 U	0.54 J	<0.19 U	<0.46 U	<0.23 U	<0.58 U
Shallow	MCF-01B	No	44	N	02/14/07	<0.031 U	<0.045 U	<0.1 U	<0.31 UJ	<0.049 U	<0.031 U	<0.032 U	<0.044 U	<0.037 U	18	<0.025 U	--	<0.016 U	<0.085 U	0.54 J	<0.032 U	<0.72 U	<0.044 U	<0.13 U
Shallow	MCF-01B	No	51	N	04/23/08	<0.13 U	<0.069 U	<0.08 U	<0.007 UJ	<0.029 U	<0.056 U	<0.053 U	<0.079 U	<0.039 U	20	<0.029 U	--	<0.089 U	<0.08 U	0.39 J	<0.1 U	<0.22 U	<0.13 U	<1.6 U
Shallow	MCF-01B	No	58	N	08/07/09	<0.098 U	<0.12 U	<0.12 U	<1.2 U	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	24 J+	<0.07 U	13.3	<0.081 U	<0.23 U	0.37 J	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	MCF-03B	No	27	N	07/24/04	<2 UJ	<1 U	--	--	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	1.3	--	<1 U	<1 U	<1 U	<1 U	<2 UJ	<2 U	<3 U
Shallow	MCF-03B	No	37	N	05/12/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 UJ	<0.23 U	<0.58 U
Shallow	MCF-03B	No	38	N	08/16/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 U	<0.23 U	<0.58 U
Shallow	MCF-03B	No	42	N	11/03/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 U	<0.23 U	<0.58 U
Shallow	MCF-03B	No	44	N	02/20/07	<0.031 U	<0.045 U	<0.1 U	<0.31 UJ	<0.049 U	<0.031 U	<0.032 U	<0.044 U	<0.037 U	<0.17 U	<0.025 U	--	<0.016 U	<0.085 U	<0.037 U	<0.032 U	<0.72 U	<0.044 U	<0.13 U
Shallow	MCF-03B	No	51	N	04/29/08	<0.13 U	<0.069 U	<0.08 U	<0.007 UJ	<0.029 U	<0.056 U	<0.053 U	<0.079 U	<0.039 U	<0.14 U	<0.029 U	--	<0.089 U	<0.08 U	<0.11 U	<0.1 U	<0.22 U	<0.13 U	<1.6 U
Shallow	MCF-03B	No	58	N	08/17/09	<0.098 U	<0.12 U	<0.12 U	<1.2 U	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	<0.065 U	<0.07 U	2.2	<0.081 U	<0.23 U	<0.091 U	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	MCF-06B	No	27	N	07/26/04	<2 U	<1 U	--	--	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	0.14 J	--	<1 U	<1 U	<1 U	<1 U	<2 U	<2 U	<3 U
Shallow	MCF-06B	No	37	N	05/18/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 UJ	<0.23 U	<0.58 U
Shallow	MCF-06B	No	38	N	08/09/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	0.23 J	<0.19 U	<0.46 U	<0.23 U	<0.58 U
Shallow	MCF-06B	No	42	N	10/31/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	0.21 J	<0.19 U	<0.46 U	<0.23 U	<0.58 U
Shallow	MCF-06B	No	44	N	02/01/07	<0.031 U	<0.045 U	<0.1 U	<0.31 UJ	<0.049 U	<0.031 U	<0.032 U	<0.044 U	<0.037 U	<0.17 U	<0.025 U	--	<0.016 U	<0.085 U	<0.037 U	<0.032 U	<0.72 U	<0.044 U	<0.13 U
Shallow	MCF-06B	No	51	N	05/02/08	<0.13 U	<0.069 U	<0.08 U	<0.007 UJ	<0.029 U	<0.056 U	<0.053 U	<0.079 U	<0.039 U	<0.14 U	<0.029 U	--	<0.089 U	<0.08 U	<0.11 U	<0.1 U	<0.22 U	<0.13 U	<1.6 U
Shallow	MCF-06B	No	58	N	08/28/09	<0.098 U	<0.12 U	<0.12 U	<1.2 U	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	0.11 J	<0.07 U	74.2	<0.081 U	<0.23 U	0.18 J	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	MCF-06C	No	27	N	07/26/04	<2 U	<1 U	--	--	<1 U	<1 U	<1 U	<1 U	<1 U	2.1	0.21 J	--	<1 U	<1 U	0.34 J	<1 U	<2 U	<2 U	<3 U
Shallow	MCF-06C	No	37	N	05/22/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	1.9	<0.2 U	--	<0.16 U	<0.23 U	0.43 J	<0.19 U	<0.46 UJ	<0.23 U	<0.58 U
Shallow	MCF-06C	No	38	N	08/08/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	1.8	<0.2 U	--	<0.16 U	<0.23 U	0.36 J	<0.19 U	<0.46 U	<0.23 U	<0.58 U
Shallow	MCF-06C	No	42	N	10/30/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	1.8 J+	<0.2 U	--	<0.16 U	<0.23 U	0.38 J	<0.19 U	<0.46 U	<0.23 U	<0.58 U
Shallow	MCF-06C	No	44	N	02/01/07	<0.031 U	<0.045 U	<0.1 U	<0.31 UJ	<0.049 U	<0.031 U	<0.032 U	<0.044 U	<0.037 U	2.3	<0.025 U	--	<0.016 U	<0.085 U	0.33 J	<0.032 U	<0.72 U	<0.044 U	<0.13 U
Shallow	MCF-06C	No	51	N	05/23/08	<0.13 U	<0.069 U	<0.08 U	<0.007 UJ	<0.029 U	<0.056 U	<0.053 U	<0.079 U	<0.039 U	<0.14 U	0.17 J	--	<0.089 U	<0.08 U	<0.11 U	<0.1 U	<0.22 U	<0.13 U	<1.6 U
Shallow	MCF-06C	No	58	N	09/09/09	<0.098 U	<0.12 U	<0.12 U	<1.2 U	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	0.95 J	<0.07 U	320.2	<0.081 U	<0.23 U	0.21 J	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	MCF-12B	No	27	N	07/21/04	<2 U	<1 U	--	--	<1 U	<1 U	<1 U	<1 U	<1 U	0.13 J	--	<1 U	<1 U	<1 U	<1 U	<2 U	<2 U	<2 U	<3 U
Shallow	MCF-12B	No	37	N	05/23/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 UJ	<0.23 U	<0.58 U
Shallow	MCF-12B	No	38	N	08/09/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 U	<0.23 U	<0.58 U
Shallow	MCF-12B	No	42	N	11/08/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 U	<0.23 U	<0.58 U
Shallow	MCF-12B	No	44	N	02/15/07	<0.031 U	<0.045 U	<0.1 U	<0.31 UJ	<0.049 U	<0.031 U	<0.												

VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	MtBE (Methyl tert-butyl ether)	n-Butylbenzene	n-Heptane	Nonanal	n-Propylbenzene	o-Xylene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	Total Trihalomethanes	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Vinyl acetate	Vinyl chloride	Xylenes (total)
						ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
						Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
						MCL	--	--	--	--	--	--	100	--	5	1000	80	100	--	5	--	--	2	10000
						BCL	35	370	--	370	42600	370	100	370	5	1000	--	100	--	5	9890	16200	2	10000
Shallow	MW-15	No	44	N	02/13/07	<0.031 U	<0.045 U	<0.1 U	<0.31 UJ	<0.049 U	<0.031 U	<0.032 U	<0.044 U	<0.037 U	6	<0.025 U	--	<0.016 U	<0.085 U	1.2	<0.032 U	<0.72 U	<0.044 U	<0.13 U
Shallow	MW-15	No	51	N	05/21/08	<0.13 UJ	<0.069 UJ	<0.08 UJ	<0.007 UJ	<0.029 UJ	<0.056 UJ	<0.053 UJ	<0.079 UJ	<0.039 UJ	8.8 J	<0.029 UJ	--	<0.089 UJ	<0.08 UJ	1.2 J	<0.1 UJ	<0.22 UJ	<0.13 UJ	<1.6 UJ
Shallow	MW-15	No	58	N	09/02/09	<0.098 U	<0.12 U	<0.12 U	<1.2 U	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	7.7	<0.07 U	0.34	<0.081 U	<0.23 U	0.92 J	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	MW-3	No	44	N	02/14/07	<0.031 U	<0.045 U	<0.1 U	<0.31 UJ	<0.049 U	<0.031 U	<0.032 U	<0.044 U	<0.037 U	<0.17 U	<0.025 U	--	<0.016 U	<0.085 U	<0.037 U	<0.032 U	<0.72 U	<0.044 U	<0.13 U
Shallow	MW-3	No	51	N	05/09/08	<0.13 U	<0.069 U	<0.08 U	<0.007 UJ	<0.029 U	<0.056 U	<0.053 U	<0.079 U	<0.039 U	<0.14 U	<0.029 U	--	<0.089 U	<0.08 U	<0.11 U	<0.1 U	<0.22 U	<0.13 U	<1.6 U
Shallow	MW-3	No	58	N	09/10/09	<0.098 U	<0.12 U	<0.12 U	<1.2 U	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	0.65 J	<0.07 U	5.6	<0.081 U	<0.23 U	<0.091 U	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	MW-4	No	44	N	02/15/07	<0.031 U	<0.045 U	<0.1 U	<0.31 UJ	<0.049 U	<0.031 U	<0.032 U	<0.044 U	<0.037 U	<0.17 U	<0.025 U	--	<0.016 U	<0.085 U	<0.037 U	<0.032 U	<0.72 U	<0.044 U	<0.13 U
Shallow	MW-4	No	51	N	05/14/08	<0.13 U	<0.069 U	<0.08 U	<0.007 UJ	<0.029 U	<0.056 U	<0.053 U	<0.079 U	<0.039 U	<0.14 U	<0.029 U	--	<0.089 U	<0.08 U	<0.11 U	<0.1 U	<0.22 U	<0.13 U	<1.6 U
Shallow	MW-4	No	58	N	09/16/09	<0.098 U	<0.12 U	<0.12 U	<1.2 U	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	<0.065 U	<0.07 U	190.2	<0.081 U	<0.23 U	<0.091 U	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	PC-108	No	37	N	05/09/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 UJ	<0.23 U	<0.58 U
Shallow	PC-108	No	38	N	08/07/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 U	<0.23 U	<0.58 U
Shallow	PC-108	No	42	N	10/27/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 U	<0.23 U	<0.58 U
Shallow	PC-108	No	44	N	02/09/07	<0.031 U	<0.045 U	<0.1 U	<0.31 UJ	<0.049 U	<0.031 U	<0.032 U	<0.044 U	<0.037 U	<0.17 U	<0.025 U	--	<0.016 U	<0.085 U	<0.037 U	<0.032 U	<0.72 U	<0.044 U	<0.13 U
Shallow	PC-108	No	51	N	05/01/08	<0.13 U	<0.069 U	<0.08 U	<0.007 UJ	<0.029 U	<0.056 U	<0.053 U	<0.079 U	<0.039 U	<0.14 U	<0.029 U	--	<0.089 U	<0.08 U	<0.11 U	<0.1 U	<0.22 U	<0.13 U	<1.6 U
Shallow	PC-108	No	58	N	09/16/09	<0.098 U	<0.12 U	<0.12 U	<1.2 U	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	<0.065 U	<0.07 U	0.4	<0.081 U	<0.23 U	<0.091 U	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	PC-2	No	37	N	05/03/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 UJ	<0.23 U	<0.58 U
Shallow	PC-2	No	38	N	08/03/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 U	<0.23 U	<0.58 U
Shallow	PC-2	No	42	N	10/24/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	<0.19 U	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 U	<0.23 U	<0.58 U
Shallow	PC-2	No	44	N	02/07/07	<0.031 U	<0.045 U	<0.1 U	<0.31 U	<0.049 U	<0.031 U	<0.032 U	<0.044 U	<0.037 U	<0.17 U	<0.025 U	--	<0.016 U	<0.085 U	<0.037 U	<0.032 U	<0.72 U	<0.044 U	<0.13 U
Shallow	PC-2	No	51	N	04/25/08	<0.13 U	<0.069 U	<0.08 U	<0.007 UJ	<0.029 U	<0.056 U	<0.053 U	<0.079 U	<0.039 U	<0.14 U	<0.029 U	--	<0.089 U	<0.08 U	<0.11 U	<0.1 U	<0.22 U	<0.13 U	<1.6 U
Shallow	PC-2	No	58	N	08/19/09	<0.098 U	<0.12 U	<0.12 U	<1.2 U	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	<0.065 U	<0.07 U	25.3	<0.081 U	<0.23 U	<0.091 U	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	PC-24	No	44	N	02/16/07	<0.031 U	<0.045 U	<0.1 U	<0.31 UJ	<0.049 U	<0.031 U	<0.032 U	<0.044 U	<0.037 U	1.8	<0.025 U	--	<0.016 U	<0.085 U	1.1	<0.032 U	<0.72 U	<0.044 U	<0.13 U
Shallow	PC-24	No	51	N	05/05/08	<0.13 U	<0.069 U	<0.08 U	<0.007 UJ	<0.029 U	<0.056 U	<0.053 U	<0.079 U	<0.039 U	0.99 J	<0.029 U	--	<0.089 U	<0.08 U	0.85 J	<0.1 U	<0.22 U	<0.13 U	<1.6 U
Shallow	PC-24	No	58	N	08/20/09	<0.098 U	<0.12 U	<0.12 U	<1.2 U	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	1.8	<0.07 U	570.3	<0.081 U	<0.23 U	0.85 J	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	PC-28	No	44	N	02/21/07	0.64 J	<0.045 U	<0.1 U	<0.31 UJ	<0.049 U	<0.031 U	<0.032 U	<0.044 U	<0.037 U	0.48 J	<0.025 U	--	<0.016 U	<0.085 U	<0.037 U	<0.032 U	<0.72 U	<0.044 U	<0.13 U
Shallow	PC-28	No	51	N	05/05/08	<0.13 U	<0.069 U	<0.08 U	<0.007 UJ	<0.029 U	<0.056 U	<0.053 U	<0.079 U	<0.039 U	<0.14 U	<0.029 U	--	<0.089 U	<0.08 U	0.45 J	<0.1 U	<0.22 U	<0.13 U	<1.6 U
Shallow	PC-28	No	58	N	08/20/09	0.28 J	<0.12 U	<0.12 U	<1.2 U	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	<0.065 U	<0.07 U	130.3	<0.081 U	<0.23 U	0.46 J	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	PC-4	No	37	N	05/03/06	0.6 J	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	2.2	<0.2 U	--	<0.16 U	<0.23 U	<0.2 U	<0.19 U	<0.46 UJ	<0.23 U	<0.58 U
Shallow	PC-4	No	38	N	08/04/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	1.9	<0.2 U	--	<0.16 U	<0.23 U	0.24 J	<0.19 U	<0.46 U	<0.23 U	<0.58 U
Shallow	PC-4	No	42	N	10/23/06	<0.32 U	<0.087 U	<0.1 U	<0.31 U	<0.21 U	<0.21 U	<0.2 U	<0.28 U	<0.24 U	1.7	<0.2 U	--	<0.16 U	<0.23 U	0.34 J	<0.19 U	<0.46 U	<0.23 U	<0.58 U
Shallow	PC-4	No	44	N	02/06/07	0.46 J	<0.045 U	<0.1 U	<0.31 U	<0.049 U	<0.031 U	<0.032 U	<0.044 U	<0.037 U	2.3	<0.025 U	--	<0.016 U	<0.085 U	<0.037 U	<0.032 U	<0.72 U	<0.044 U	<0.13 U
Shallow	PC-4	No	51	N	04/28/08	<0.13 U	<0.069 U	<0.08 U	<0.007 UJ	<0.029 U	<0.056 U	<0.053 U	<0.079 U	<0.039 U	<0.14 U	<0.029 U	--	<0.089 U	<0.08 U	0.2 J+	<0.1 U	<0.22 U	<0.13 U	<1.6 U
Shallow	PC-4	No	58	N	08/19/09	0.37 J	<0.12 U	<0.12 U	<1.2 U	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	0.082 J	<0.07 U	100.2	<0.081 U	<0.23 U	0.27 J	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	PC-67	No	44	N	02/16/07	<0.031 U	<0.045 U	<0.1 U	<0.31 UJ	<0.049 U	<0.031 U	<0.032 U	<0.044 U	<0.037 U	18	<0.025 U	--	<0.016 U	<0.085 U	0.69 J	<0.032 U	<0.72 U	<0.044 U	<0.13 U
Shallow	PC-67	No	51	N	05/06/08	<0.13 U	<0.069 U	<0.08 U	<0.007 UJ	<0.029 U	<0.056 U	<0.053 U	<0.079 U	<0.039 U	18	<0.029 U	--	<0.089 U	<0.08 U	0.52 J	<0.1 U	<0.22 U	<0.13 U	<1.6 U
Shallow	PC-67	No	58	N	09/09/09	<0.098 U	<0.12 U	<0.12 U	<1.2 U	<0.093 U	<0.055 U	<0.085 U	<0.042 U	<0.11 U	13	<0.07 U	651	<0.081 U	<0.23 U	0.42 J	<0.11 U	<0.23 U	<0.091 U	<0.22 U
Shallow	PC-76	No	44	N	02/28/07	<0.031 U	<0.045 U	<0.1 U	<0.31 UJ	<0.049 U	<0.031 U	<0.032 U	<0.044 U	<0.037 U	<0.17 U	<0.025 U	--	<0.016 U	<0.085 U	<				

VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	MtBE (Methyl tert-butyl ether)	n-Butylbenzene	n-Heptane	Nonanal	n-Propylbenzene	o-Xylene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	Total Trihalomethanes	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Vinyl acetate	Vinyl chloride	Xylenes (total)
						ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
						Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
						MCL	--	--	--	--	--	--	100	--	5	1000	80	100	--	5	--	--	2	10000
						BCL	35	370	--	370	42600	370	100	370	5	1000	--	100	--	5	9890	16200	2	10000
Shallow	PC-81	No	51	N	04/29/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 UJ	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	PC-81	No	58	N	09/01/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	PC-88	No	51	N	04/30/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 UJ	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	0.57 J	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	PC-88	No	58	N	09/01/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	0.12 J	< 0.07 U	< 0.26 U	< 0.081 U	< 0.23 U	0.36 J	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	PC-90	No	38	N	08/24/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	0.4 J	< 0.2 U	--	< 0.16 U	< 0.23 U	1.1 J	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	PC-90	No	42	N	10/26/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	PC-90	No	44	N	02/05/07	< 0.031 U	< 0.045 U	< 0.1 U	< 0.31 U	< 0.049 U	< 0.031 U	< 0.032 U	< 0.044 U	< 0.037 U	0.39 J	< 0.025 U	--	< 0.016 U	< 0.085 U	< 0.037 U	< 0.032 U	< 0.72 U	< 0.044 U	< 0.13 U
Shallow	PC-90	No	51	N	05/01/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 UJ	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	0.51 J	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	PC-90	No	58	N	09/09/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	0.18 J	< 0.07 U	0.61	< 0.081 U	< 0.23 U	0.35 J	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	PC-94	No	37	N	05/05/06	< 0.32 U	< 0.087 U	< 1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	0.88 J	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 UJ	< 0.23 U	< 0.58 U
Shallow	PC-94	No	38	N	08/07/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	0.74 J	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	PC-94	No	42	N	10/27/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	0.53 J+	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	PC-94	No	44	N	02/02/07	< 0.031 U	< 0.045 U	< 0.1 U	< 0.31 UJ	< 0.049 U	< 0.031 U	< 0.032 U	< 0.044 U	< 0.037 U	0.87 J	< 0.025 U	--	< 0.016 U	< 0.085 U	< 0.037 U	< 0.032 U	< 0.72 U	< 0.044 U	< 0.13 U
Shallow	PC-94	No	51	N	04/30/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 UJ	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	PC-94	No	58	N	09/09/09	0.36 J	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	1.3	< 0.07 U	41.2	< 0.081 U	< 0.23 U	0.13 J	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	POD2-R	No	37	N	05/08/06	< 0.32 U	< 0.087 U	< 1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	2.7	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 UJ	< 0.23 U	< 0.58 U
Shallow	POD2-R	No	38	N	08/03/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	2.1	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	POD2-R	No	42	N	10/20/06	0.61 J	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	2.5	< 0.2 U	--	< 0.16 U	< 0.23 U	0.22 J	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	POD2-R	No	44	N	01/26/07	< 0.031 U	< 0.045 U	< 0.1 U	< 0.31 UJ	< 0.049 U	< 0.031 U	< 0.032 U	< 0.044 U	< 0.037 U	3.7	< 0.025 U	--	< 0.016 U	< 0.085 U	0.17 J	< 0.032 U	< 0.72 U	< 0.044 U	< 0.13 U
Shallow	POD2-R	No	51	N	04/23/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 UJ	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	POD2-R	No	58	N	09/14/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	3.6	< 0.07 U	96.2	< 0.081 U	< 0.23 U	0.17 J	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	POD8	No	37	N	04/28/06	< 0.32 U	< 0.087 U	< 1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	POD8	No	38	N	08/02/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	POD8	No	42	N	10/20/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	POD8	No	44	N	01/26/07	< 0.031 U	< 0.045 U	< 0.1 U	< 0.31 U	< 0.049 U	< 0.031 U	< 0.032 U	< 0.044 U	< 0.037 U	0.19 J	< 0.025 U	--	< 0.016 U	< 0.085 U	< 0.037 U	< 0.032 U	< 0.72 U	< 0.044 U	< 0.13 U
Shallow	POD8	No	51	N	04/23/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 UJ	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	POD8	No	58	N	09/03/09	0.37 J	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	0.87	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	POU3	No	37	N	04/27/06	< 0.32 U	< 0.087 U	< 1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	41 J	< 0.2 U	--	< 0.16 U	< 0.23 U	1.4	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	POU3	No	38	N	07/31/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	14	< 0.2 U	--	< 0.16 U	< 0.23 U	3.1	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	POU3	No	42	N	10/18/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 UJ	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	12	< 0.2 U	--	< 0.16 U	< 0.23 U	4.2	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Shallow	POU3	No	44	N	01/25/07	< 0.031 U	< 0.045 U	< 0.1 U	< 0.31 UJ	< 0.049 U	< 0.031 U	< 0.032 U	< 0.044 U	< 0.037 U	14	< 0.025 U	--	< 0.016 U	< 0.085 U	3.9	< 0.032 U	< 0.72 U	< 0.044 U	< 0.13 U
Shallow	POU3	No	51	N	04/22/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 UJ	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	3.6	< 0.029 U	--	< 0.089 U	< 0.08 U	1	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Shallow	POU3	No	58	N	09/22/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	9	< 0.07 U	478.1	0.13 J	< 0.23 U	3.8	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Shallow	WMW5.58SD	No	44	N	02/06/07	< 0.031 U	< 0.045 U	< 0.1 U	< 0.31 U	< 0.049 U	< 0.031 U	< 0.032 U	< 0.044 U	< 0.037 U	< 0.17 U	< 0.025 U	--	< 0.016 U	< 0.085 U	< 0.037 U	< 0.032 U	< 0.72 U	< 0.044 U	< 0.13 U
Shallow	WMW5.58SD	No	51	N	05/16/08	< 0.13 UJ	< 0.069 UJ	< 0.08 UJ	< 0.007 UJ	< 0.029 UJ	< 0.056 UJ	< 0.053 UJ	< 0.079 UJ	< 0.039 UJ	< 0.14 UJ	< 0.029 UJ	--	< 0.089 UJ	< 0.08 UJ	< 0.11 UJ	< 0.1 UJ	< 0.22 UJ	< 0.13 UJ	< 1.6 UJ
Shallow	WMW5.58SD	No	58	N	09/09/09																			

VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	MtBE (Methyl tert-butyl ether)	n-Butylbenzene	n-Heptane	Nonanal	n-Propylbenzene	o-Xylene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	Total Trihalomethanes	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Vinyl acetate	Vinyl chloride	Xylenes (total)	
						ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
						Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
						MCL	--	--	--	--	--	--	100	--	5	1000	80	100	--	5	--	--	2	10000	
						BCL	35	370	--	--	370	42600	370	100	370	5	1000	--	100	--	5	9890	16200	2	10000
Middle	MCF-02B	No	58	N	08/21/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U	
Middle	MCF-05	No	27	N	07/25/04	< 2 UJ+	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 UJ+	< 2 U	< 3 U	
Middle	MCF-05	No	37	N	05/17/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 UJ	< 0.23 U	< 0.58 U	
Middle	MCF-05	No	38	N	08/10/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U	
Middle	MCF-05	No	42	N	11/14/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U	
Middle	MCF-05	No	44	N	01/31/07	< 0.031 U	< 0.045 U	< 0.1 U	< 0.31 U	< 0.049 U	< 0.031 U	< 0.032 U	< 0.044 U	< 0.037 U	< 0.17 U	< 0.025 U	--	< 0.016 U	< 0.085 U	< 0.037 U	< 0.032 U	< 0.72 U	< 0.044 U	< 0.13 U	
Middle	MCF-05	No	51	N	04/30/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 UJ	< 0.029 U	< 0.056 U	< 0.053 U	0.26 J+	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U	
Middle	MCF-05	No	58	N	08/28/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U	
Middle	MCF-08B-R	No	58	N	08/21/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U	
Middle	MCF-08B-R	No	58	FD	08/21/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U	
Middle	MCF-09B	No	27	N	07/20/04	< 2 U	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 3 U	
Middle	MCF-09B	No	37	N	05/03/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 UJ	< 0.23 U	< 0.58 U	
Middle	MCF-09B	No	38	N	08/04/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U	
Middle	MCF-09B	No	42	N	10/25/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U	
Middle	MCF-09B	No	44	N	02/12/07	< 0.031 U	< 0.045 U	< 0.1 U	< 0.31 UJ	< 0.049 U	< 0.031 U	< 0.032 U	< 0.044 U	< 0.037 U	< 0.17 U	< 0.025 U	--	< 0.016 U	< 0.085 U	< 0.037 U	< 0.032 U	< 0.72 U	< 0.044 U	< 0.13 U	
Middle	MCF-09B	No	51	N	04/25/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 UJ	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U	
Middle	MCF-09B	No	58	N	08/17/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U	
Middle	MCF-09B	No	58	FD	08/17/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U	
Middle	MCF-10B	No	27	N	07/21/04	< 2 U	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.36 J	--	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 3 U	
Middle	MCF-10B	No	37	N	05/18/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 UJ	< 0.23 U	< 0.58 U	
Middle	MCF-10B	No	38	N	08/15/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U	
Middle	MCF-10B	No	42	N	11/10/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U	
Middle	MCF-10B	No	44	N	02/27/07	< 0.031 U	< 0.045 U	< 0.1 U	< 0.31 UJ	< 0.049 U	< 0.031 U	< 0.032 U	< 0.044 U	< 0.037 U	< 0.17 U	< 0.025 U	--	< 0.016 U	< 0.085 U	< 0.037 U	< 0.032 U	< 0.72 UJ	< 0.044 U	< 0.13 U	
Middle	MCF-10B	No	51	N	05/08/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 UJ	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U	
Middle	MCF-10B	No	58	N	08/18/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U	
Middle	MCF-11	No	27	N	07/27/04	< 2 U	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 3 U	
Middle	MCF-11	No	37	N	05/16/06	< 0.32 UJ	< 0.087 UJ	< 0.1 UJ	< 0.31 UJ	< 0.21 UJ	< 0.21 UJ	< 0.2 UJ	< 0.28 UJ	< 0.24 UJ	< 0.19 UJ	< 0.2 UJ	--	< 0.16 UJ	< 0.23 UJ	< 0.2 UJ	< 0.19 UJ	< 0.46 UJ	< 0.23 UJ	< 0.58 UJ	
Middle	MCF-11	No	38	N	08/18/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U	
Middle	MCF-11	No	42	N	10/27/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U	
Middle	MCF-11	No	44	N	02/23/07	< 0.031 U	< 0.045 U	< 0.1 U	< 0.31 UJ	< 0.049 U	< 0.031 U	< 0.032 U	< 0.044 U	< 0.037 U	< 0.17 U	< 0.025 U	--	< 0.016 U	< 0.085 U	< 0.037 U	< 0.032 U	< 0.72 UJ	< 0.044 U	< 0.13 U	
Middle	MCF-11	No	51	N	05/07/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 UJ	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U	
Middle	MCF-11	No	58	N	08/17/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U	
Middle	MCF-12C	No	27	N	07/21/04	< 2 U	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 3 U	
Middle	MCF-12C	No	37	N	05/22/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 UJ	< 0.23 U	< 0.58 U	
Middle	MCF-12C	No	38	N	08/10/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U	
Middle	MCF-12C	No	42	N	11/03/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--								

VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	MtBE (Methyl tert-butyl ether)	n-Butylbenzene	n-Heptane	Nonanal	n-Propylbenzene	o-Xylene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	Total Trihalomethanes	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Vinyl acetate	Vinyl chloride	Xylenes (total)
						ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
						Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
						MCL	--	--	--	--	--	--	100	--	5	1000	80	100	--	5	--	--	2	10000
						BCL	35	370	--	370	42600	370	100	370	5	1000	--	100	--	5	9890	16200	2	10000
Deep	MCF-01A	No	42	N	10/24/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Deep	MCF-01A	No	44	N	02/02/07	< 0.031 U	< 0.045 U	< 0.1 U	< 0.31 U	< 0.049 U	< 0.031 U	< 0.032 U	< 0.044 U	< 0.037 U	< 0.17 U	< 0.025 U	--	< 0.016 U	< 0.085 U	< 0.037 U	< 0.032 U	< 0.72 U	< 0.044 U	< 0.13 U
Deep	MCF-01A	No	51	N	04/28/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Deep	MCF-01A	No	58	N	08/10/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Deep	MCF-02A	No	27	N	07/15/04	< 2 U	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 3 U
Deep	MCF-02A	No	37	N	05/10/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Deep	MCF-02A	No	38	N	08/04/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Deep	MCF-02A	No	42	N	11/07/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Deep	MCF-02A	No	44	N	02/15/07	< 0.031 U	< 0.045 U	< 0.1 U	< 0.31 U	< 0.049 U	< 0.031 U	< 0.032 U	< 0.044 U	< 0.037 U	< 0.17 U	< 0.025 U	--	< 0.016 U	< 0.085 U	< 0.037 U	< 0.032 U	< 0.72 U	< 0.044 U	< 0.13 U
Deep	MCF-02A	No	51	N	05/02/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Deep	MCF-02A	No	58	N	08/21/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	0.67	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Deep	MCF-03A	No	27	N	07/13/04	< 2 U	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 3 U
Deep	MCF-03A	No	37	N	06/07/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Deep	MCF-03A	No	38	N	08/14/06	< 0.32 U	< 0.087 U	< 0.1 U	1.2 J	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Deep	MCF-03A	No	42	N	11/02/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Deep	MCF-03A	No	44	N	02/27/07	< 0.031 U	< 0.045 U	< 0.1 U	< 0.31 U	< 0.049 U	< 0.031 U	< 0.032 U	< 0.044 U	< 0.037 U	< 0.17 U	< 0.025 U	--	< 0.016 U	< 0.085 U	< 0.037 U	< 0.032 U	< 0.72 U	< 0.044 U	< 0.13 U
Deep	MCF-03A	No	51	N	04/24/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Deep	MCF-03A	No	58	N	08/13/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Deep	MCF-04	No	27	N	07/13/04	< 2 U	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.2 J	--	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 3 U
Deep	MCF-04	No	37	N	05/10/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Deep	MCF-04	No	38	N	08/15/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Deep	MCF-04	No	42	N	11/08/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Deep	MCF-04	No	44	N	02/20/07	< 0.031 U	< 0.045 U	< 0.1 U	< 0.31 U	< 0.049 U	< 0.031 U	< 0.032 U	< 0.044 U	< 0.037 U	< 0.17 U	< 0.025 U	--	< 0.016 U	< 0.085 U	< 0.037 U	< 0.032 U	< 0.72 U	< 0.044 U	< 0.13 U
Deep	MCF-04	No	51	N	04/30/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.23 J	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Deep	MCF-04	No	58	N	08/28/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 0.22 U
Deep	MCF-06A-R	No	58	N	09/21/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	0.19 J+	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	0.19 J+	< 0.22 U
Deep	MCF-07	No	27	N	07/24/04	0.44 J+	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.12 J	--	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 3 U
Deep	MCF-07	No	38	N	08/30/06	< 0.32 U	< 0.44 U	< 0.1 U	< 0.31 U	< 1.1 U	< 1 U	< 1 U	< 1.4 U	< 1.2 U	< 0.96 U	< 1 U	--	< 0.8 U	< 1.2 U	< 1 U	< 0.94 U	< 2.3 U	< 1.1 U	< 2.9 U
Deep	MCF-07	No	42	N	11/10/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Deep	MCF-07	No	44	N	02/23/07	< 0.031 U	< 0.045 U	< 0.1 U	< 0.31 U	< 0.049 U	< 0.031 U	< 0.032 U	< 0.044 U	< 0.037 U	< 0.17 U	< 0.025 U	--	< 0.016 U	< 0.085 U	< 0.037 U	< 0.032 U	< 0.72 U	< 0.044 U	< 0.13 U
Deep	MCF-07	No	51	N	05/02/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Deep	MCF-07	No	58	N	09/11/09	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Deep	MCF-08A	No	27	N	07/18/04	< 2 U	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 3 U
Deep	MCF-08A	No	37	N	06/07/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Deep	MCF-08A	No	38	N	08/23/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Deep	MCF-08A	No	42	N	11/10/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Deep	MCF-08A	No	44	N	02/08/07	< 0.031 U	< 0.045 U	< 0.1 U	< 0.31 U	< 0.049 U	< 0.031 U													

VOLATILE ORGANIC COMPOUND (VOC) RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DWSR	Sample Type	Sample Date	MtBE (Methyl tert-butyl ether)	n-Butylbenzene	n-Heptane	Nonanal	n-Propylbenzene	o-Xylene	sec-Butylbenzene	Styrene	tert-Butylbenzene	Tetrachloroethene	Toluene	Total Trihalomethanes	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	Trichloroethene	Trichlorofluoromethane (Freon-11)	Vinyl acetate	Vinyl chloride	Xylenes (total)
						Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
						MCL	--	--	--	--	--	--	100	--	5	1000	80	100	--	5	--	--	2	10000
						BCL	35	370	--	370	42600	370	100	370	5	1000	--	100	--	5	9890	16200	2	10000
Deep	MCF-12A	No	38	N	08/10/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Deep	MCF-12A	No	42	N	11/10/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Deep	MCF-12A	No	44	N	02/23/07	< 0.031 U	< 0.045 U	< 0.1 U	< 0.31 U	< 0.049 U	< 0.031 U	< 0.032 U	0.1 J	< 0.037 U	< 0.17 U	< 0.025 U	--	< 0.016 U	< 0.085 U	< 0.037 U	< 0.032 U	< 0.72 U	< 0.044 U	< 0.13 U
Deep	MCF-12A	No	51	N	05/08/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Deep	MCF-12A	No	58	N	08/27/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 2.2 U
Deep	MCF-16A	No	27	N	07/23/04	< 2 U	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.82 J+	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 3 U
Deep	MCF-16A	No	37	N	05/18/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	0.26 J+	< 0.58 U
Deep	MCF-16A	No	38	N	08/21/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Deep	MCF-16A	No	42	N	11/06/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Deep	MCF-16A	No	44	N	02/16/07	< 0.031 U	< 0.045 U	< 0.1 U	< 0.31 U	< 0.049 U	< 0.031 U	< 0.032 U	0.12 J+	< 0.037 U	< 0.17 U	< 0.025 U	--	< 0.016 U	< 0.085 U	< 0.037 U	< 0.032 U	< 0.72 U	< 0.044 U	< 0.13 U
Deep	MCF-16A	No	51	N	05/19/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Deep	MCF-16A	No	58	N	10/05/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	0.08 J	< 0.11 U	< 0.065 U	0.15 J	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	0.091 J	< 2.2 U
Deep	MCF-17A	No	51	N	07/21/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Deep	MCF-17A	No	58	N	09/29/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 2.2 U
Deep	MCF-17A	No	58	FD	09/29/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 2.2 U
Deep	MCF-18A	No	51	N	07/18/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Deep	MCF-18A	No	58	N	09/21/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	0.22 J+	< 2.2 U
Deep	MCF-18A	No	58	FD	09/21/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	0.22 J+	< 2.2 U
Deep	MCF-19A	No	51	N	07/21/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Deep	MCF-19A	No	58	N	09/03/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	0.13 J+	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 2.2 U
Deep	MCF-19A	No	58	FD	09/03/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	0.13 J+	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 2.2 U
Deep	MCF-20A	No	51	N	07/18/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Deep	MCF-20A	No	58	N	09/03/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 2.2 U
Deep	MCF-21A	No	51	N	07/23/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Deep	MCF-21A	No	58	N	08/25/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	0.15 J	< 2.2 U
Deep	MCF-22A	No	51	N	07/23/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Deep	MCF-22A	No	58	N	10/09/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	< 0.07 U	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 2.2 U
Deep	MCF-23A	No	51	N	07/21/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Deep	MCF-23A	No	58	N	10/05/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	0.083 J	< 0.11 U	< 0.065 U	0.15 J	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	0.16 J	< 2.2 U
Deep	MCF-24A	No	51	N	07/28/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	< 0.029 U	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Deep	MCF-24A	No	58	N	08/28/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	0.13 J	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 2.2 U
Deep	MCF-25A	No	51	N	07/28/08	< 0.13 U	< 0.069 U	< 0.08 U	< 0.007 U	< 0.029 U	< 0.056 U	< 0.053 U	< 0.079 U	< 0.039 U	< 0.14 U	0.14 J	--	< 0.089 U	< 0.08 U	< 0.11 U	< 0.1 U	< 0.22 U	< 0.13 U	< 1.6 U
Deep	MCF-25A	No	58	N	08/28/09	< 0.098 U	< 0.12 U	< 0.12 U	< 1.2 U	< 0.093 U	< 0.055 U	< 0.085 U	< 0.042 U	< 0.11 U	< 0.065 U	0.16 J	< 0.26 U	< 0.081 U	< 0.23 U	< 0.091 U	< 0.11 U	< 0.23 U	< 0.091 U	< 2.2 U
Deep	MCF-27	No	27	N	07/26/04	< 2 U	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U	< 3 U
Deep	MCF-27	No	37	N	05/19/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U	< 0.28 U	< 0.24 U	< 0.19 U	< 0.2 U	--	< 0.16 U	< 0.23 U	< 0.2 U	< 0.19 U	< 0.46 U	< 0.23 U	< 0.58 U
Deep	MCF-27	No	38	N	08/02/06	< 0.32 U	< 0.087 U	< 0.1 U	< 0.31 U	< 0.21 U	< 0.21 U	< 0.2 U												

Appendix C2
Organochlorine Pesticides

ORGANOCHLORINE PESTICIDE RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
 (Page 4 of 16)

Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	2,4'-DDD	2,4'-DDE	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	alpha-Chlordane	beta-BHC	Chlordane	delta-BHC	Dieldrin	Endosulfan I
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--	--	--	--	2	--	--	--
					BCL	--	--	0.28	0.2	0.2	0.004	0.011	--	0.037	2	--	0.0042	--
Shallow	MCF-01B	No	44	N	02/14/07	< 0.0071 U	< 0.013 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	< 0.0031 U	< 0.0057 U	< 0.0072 U	< 0.099 U	< 0.0046 U	< 0.0057 U	< 0.0078 U
Shallow	MCF-01B	No	58	N	08/07/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.04 U	< 0.01 U	< 0.01 U	< 0.02 U
Shallow	MCF-03B	No	27	N	07/24/04	--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.5 U	< 0.05 U	< 0.05 U	< 0.05 U
Shallow	MCF-03B	No	37	N	05/12/06	< 0.027 UJ	< 0.012 UJ	< 0.0031 U	< 0.0059 U	< 0.0098 U	< 0.0047 U	< 0.0044 U	< 0.0055 U	< 0.0065 U	< 0.032 UJ	< 0.0032 U	< 0.0036 U	< 0.0031 U
Shallow	MCF-03B	No	38	N	08/16/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	< 0.018 U	< 0.0065 U	< 0.0072 U	< 0.044 U	< 0.0034 U	< 0.011 U	< 0.0061 U
Shallow	MCF-03B	No	42	N	11/03/06	< 0.0056 U	< 0.013 U	< 0.004 UJ	< 0.0082 U	< 0.032 UJ	< 0.0052 U	< 0.018 U	< 0.0065 U	< 0.0072 U	< 0.044 U	< 0.0034 U	< 0.011 U	< 0.0061 U
Shallow	MCF-03B	No	44	N	02/20/07	< 0.0071 U	< 0.013 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	< 0.0031 U	< 0.0057 U	< 0.0072 U	< 0.099 U	< 0.0046 U	< 0.0057 U	< 0.0078 U
Shallow	MCF-03B	No	58	N	08/17/09	< 0.01 UJ	< 0.01 UJ	< 0.01 UJ	< 0.02 UJ	< 0.01 UJ	< 0.01 UJ	0.12 J-	< 0.02 UJ	0.049 J-	< 0.04 UJ	< 0.01 UJ	< 0.01 UJ	< 0.02 UJ
Shallow	MCF-06B	No	27	N	07/26/04	--	< 0.05 UJ	< 0.05 UJ	< 0.05 UJ	< 0.05 UJ	< 0.05 UJ	< 0.05 UJ	< 0.05 UJ	< 0.05 UJ	< 0.5 UJ	< 0.05 UJ	< 0.05 UJ	< 0.05 UJ
Shallow	MCF-06B	No	37	N	05/18/06	< 0.027 U	< 0.012 U	< 0.0031 U	< 0.0059 U	< 0.0098 U	< 0.0047 U	< 0.0044 U	< 0.0055 U	< 0.0065 U	< 0.032 U	< 0.0032 U	< 0.0036 U	< 0.0031 U
Shallow	MCF-06B	No	38	N	08/09/06	< 0.0056 U	0.084	< 0.004 U	0.054	< 0.032 U	< 0.0052 U	< 0.018 U	< 0.0065 U	< 0.0072 U	< 0.044 U	< 0.0034 U	< 0.011 U	< 0.0061 U
Shallow	MCF-06B	No	42	N	10/31/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	< 0.018 U	< 0.0065 U	< 0.0072 U	< 0.044 U	< 0.0034 U	< 0.011 U	< 0.0061 U
Shallow	MCF-06B	No	44	N	02/01/07	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	< 0.018 U	< 0.0065 U	< 0.0072 U	< 0.044 U	< 0.0034 U	< 0.011 U	< 0.0061 U
Shallow	MCF-06B	No	51	N	05/02/08	< 0.0071 U	< 0.012 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	< 0.0031 U	< 0.0057 U	< 0.015 U	< 0.099 U	< 0.0046 U	< 0.0057 U	< 0.0078 U
Shallow	MCF-06B	No	58	N	08/28/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.04 U	< 0.01 U	< 0.01 U	< 0.02 U
Shallow	MCF-06C	No	27	N	07/26/04	--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	0.072	< 0.05 U	< 0.05 U	< 0.5 U	< 0.05 U	< 0.05 U	< 0.05 U
Shallow	MCF-06C	No	37	N	05/22/06	< 0.027 U	< 0.012 U	< 0.0031 U	< 0.0059 U	< 0.0098 U	< 0.0047 U	0.076	< 0.0055 U	< 0.0065 U	< 0.032 U	0.064 J	< 0.0036 U	< 0.0031 U
Shallow	MCF-06C	No	38	N	08/08/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	0.065	< 0.0065 U	< 0.0072 U	< 0.044 U	< 0.0034 U	< 0.011 U	< 0.0061 U
Shallow	MCF-06C	No	42	N	10/30/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	0.071	< 0.0065 U	< 0.0072 U	< 0.044 U	< 0.0034 U	< 0.011 U	< 0.0061 U
Shallow	MCF-06C	No	44	N	02/01/07	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	0.069	< 0.0065 U	< 0.0072 U	< 0.044 U	0.058	< 0.011 U	< 0.0061 U
Shallow	MCF-06C	No	51	N	05/23/08	< 0.0071 U	< 0.012 U	< 0.0038 U	< 0.0027 U	< 0.0056 UJ	< 0.004 U	0.069 J+	< 0.003 U	< 0.013 U	< 0.18 U	< 0.006 U	< 0.0023 U	< 0.0025 U
Shallow	MCF-06C	No	58	N	09/09/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	0.052	< 0.02 U	< 0.01 U	< 0.04 U	< 0.01 U	< 0.01 U	< 0.02 U
Shallow	MCF-12B	No	27	N	07/21/04	--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.5 U	< 0.05 U	< 0.05 U	< 0.05 U
Shallow	MCF-12B	No	37	N	05/23/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	< 0.018 U	< 0.0065 U	< 0.0072 U	< 0.044 U	< 0.0034 U	< 0.011 U	< 0.0061 U
Shallow	MCF-12B	No	38	N	08/09/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	< 0.018 U	< 0.0065 U	< 0.0072 U	< 0.044 U	< 0.0034 U	< 0.011 U	< 0.0061 U
Shallow	MCF-12B	No	42	N	11/08/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	< 0.018 U	< 0.0065 U	< 0.0072 U	< 0.044 U	< 0.0034 U	< 0.011 U	< 0.0061 U
Shallow	MCF-12B	No	44	N	02/15/07	< 0.0071 U	< 0.013 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	< 0.0031 U	< 0.0057 U	< 0.0072 U	< 0.099 U	< 0.0046 U	< 0.0057 U	< 0.0078 U
Shallow	MCF-12B	No	58	N	08/19/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.04 U	< 0.01 U	< 0.01 U	< 0.02 U
Shallow	MCF-16C	No	27	N	07/23/04	--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	0.15	< 0.05 U	< 0.05 U	< 0.5 U	< 0.05 U	< 0.05 U	< 0.05 U
Shallow	MCF-16C	No	37	N	05/22/06	< 0.027 U	< 0.012 U	< 0.0031 U	< 0.0059 U	< 0.0098 U	< 0.0047 U	0.18 J-	< 0.0055 U	0.057 J	< 0.032 U	< 0.0032 U	< 0.0036 U	< 0.0031 U
Shallow	MCF-16C	No	38	N	08/16/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	< 0.018 U	< 0.0065 U	< 0.0072 U	< 0.044 U	< 0.0034 U	< 0.011 U	< 0.0061 U
Shallow	MCF-16C	No	42	N	11/06/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	0.088	< 0.0065 U	< 0.0072 U	< 0.044 U	< 0.0034 U	< 0.011 U	< 0.0061 U
Shallow	MCF-16C	No	44	N	02/20/07	< 0.0071 U	< 0.013 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	0.092	< 0.0057 U	< 0.0072 U	< 0.099 U	< 0.0046 U	< 0.0057 U	< 0.0078 U
Shallow	MCF-16C	No	51	N	05/19/08	< 0.0071 U	< 0.012 U	< 0.0038 U	< 0.0027 U	< 0.0056 U	< 0.004 U	0.12	< 0.003 U	< 0.013 U	< 0.18 U	< 0.006 U	< 0.0023 U	< 0.0025 U
Shallow	MCF-16C	No	58	N	09/30/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	0.064	< 0.02 U	< 0.01 U	< 0.04 U	< 0.01 U	< 0.01 U	< 0.02 U
Shallow	MW-13	No	44	N	02/15/07	< 0.0071 U	< 0.013 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	< 0.0031 U	< 0.0057 U	< 0.0072 U	< 0.099 U	< 0.0046 U	< 0.0057 U	< 0.0078 U
Shallow	MW-13	No	58	N	09/02/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.04 U	< 0.01 U	< 0.01 U	< 0.02 U
Shallow	MW-15	No	44	N	02/13/07	< 0.0071 U	< 0.013 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	< 0.0031 U	< 0.0057 U	< 0.0072 U	< 0.099 U	< 0.0046 U	< 0.0057 U	< 0.0078 U
Shallow	MW-15	No	58	N	09/02/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.04 U	< 0.01 U	< 0.01 U	< 0.02 U
Shallow	MW-3	No	44	N	02/14/07	< 0.0071 U	< 0.013 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	< 0.0031 U	< 0.0057 U	< 0.0072 U	< 0.099 U	< 0.0046 U	< 0.0057 U	< 0.0078 U
Shallow	MW-3	No	58	N	09/10/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.04 U	< 0.01 U	< 0.01 U	< 0.02 U
Shallow	MW-4	No	44	N	02/15/07	< 0.0071 U	< 0.013 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	< 0.0031 U	< 0.0057 U	< 0.0072 U	< 0.099 U	< 0.0046 U	< 0.0057 U	< 0.0078 U
Shallow	MW-4	No	58	N	09/16/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.04 U	< 0.01 U	< 0.01 U	< 0.02 U
Shallow	PC-108	No	37	N	05/09/06	< 0.027 U	< 0.012 U	< 0.0031 U	< 0.0059 U	< 0.0098 U	< 0.0047 U	< 0.0044 U	< 0.0055 U	1.2	< 0.032 U	0.12	< 0.0036 U	< 0.0031 U
Shallow	PC-108	No	38	N	08/07/06	< 0.0056 U	0.057 J	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	< 0.018 U	< 0.0065 U	0.6	< 0.044 U	< 0.0034 U	< 0.011 U	< 0.0061 U
Shallow	PC-108	No	42	N	10/27/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	0.25	< 0.0065 U	0.58	< 0.044 U	0.14	< 0.011 U	< 0.0061 U
Shallow	PC-108	No	44	N	02/09/07	< 0.0071 U	< 0.013 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	< 0.0031 U	< 0.0057 U	0.5	< 0.099 U	< 0.0046 U	< 0.0057 U	< 0.0078 U
Shallow	PC-108	No	51	N	05/01/08	< 0.0071 U	< 0.012 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	< 0.0031 U	< 0.0057 U	0.48	< 0.099 U	< 0.0046 U	< 0.0057 U	< 0.0078 U
Shallow	PC-108	No	58	N	09/16/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	0.073	< 0.01 U	0.051	< 0.02 U	0.63	< 0.04 U	< 0.01 U	< 0.01 U	< 0.02 U
Shallow	PC-2	No	37	N	05/03/06	< 0.027 U	< 0.012 U	< 0.0031 U	< 0.0059 U	< 0.0098 U	< 0.0047 U	< 0.0044 U	< 0.0055 U	0.059 J+	< 0.032 U	< 0.0032 U	< 0.0036 U	< 0.0031 U
Shallow	PC-2	No	38	N														

ORGANOCHLORINE PESTICIDE RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
 (Page 5 of 16)

Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	2,4'-DDD	2,4'-DDE	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	alpha-Chlordane	beta-BHC	Chlordane	delta-BHC	Dieldrin	Endosulfan I
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	--	--	--	--	--	--	--	--	2	--	--	--
					BCL	--	--	0.28	0.2	0.2	0.004	0.011	--	0.037	2	--	0.0042	--
Shallow	PC-24	No	58	N	08/20/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.04 U	< 0.01 U	< 0.01 U	< 0.02 U
Shallow	PC-28	No	44	N	02/21/07	< 0.0071 U	< 0.013 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	< 0.0031 U	< 0.0057 U	< 0.0072 U	< 0.099 U	< 0.0046 U	< 0.0057 U	< 0.0078 U
Shallow	PC-28	No	58	N	08/20/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.04 U	< 0.01 U	< 0.01 U	< 0.02 U
Shallow	PC-4	No	37	N	05/03/06	< 0.027 U	< 0.012 U	< 0.0031 U	< 0.0059 U	< 0.0098 U	< 0.0047 U	< 0.0044 U	< 0.0055 U	< 0.0065 U	< 0.032 U	< 0.0032 U	< 0.0036 U	< 0.0031 U
Shallow	PC-4	No	38	N	08/04/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	< 0.018 U	< 0.0065 U	< 0.0072 U	< 0.044 U	< 0.0034 U	< 0.011 U	< 0.0061 U
Shallow	PC-4	No	42	N	10/23/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	< 0.018 U	< 0.0065 U	< 0.0072 U	< 0.044 U	< 0.0034 U	< 0.011 U	< 0.0061 U
Shallow	PC-4	No	44	N	02/06/07	< 0.0071 U	< 0.013 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	< 0.0031 U	< 0.0057 U	< 0.0072 U	< 0.099 U	< 0.0046 U	< 0.0057 U	< 0.0078 U
Shallow	PC-4	No	58	N	08/19/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.04 U	< 0.01 U	< 0.01 U	< 0.02 U
Shallow	PC-67	No	44	N	02/16/07	< 0.0071 U	< 0.013 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	0.14	< 0.0057 U	< 0.0072 U	< 0.099 U	< 0.0046 U	< 0.0057 U	< 0.0078 U
Shallow	PC-67	No	51	N	05/06/08	< 0.0071 U	< 0.012 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	0.14	< 0.0057 U	< 0.015 U	< 0.099 U	< 0.0046 U	< 0.0057 U	< 0.0078 U
Shallow	PC-67	No	58	N	09/09/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	0.14	< 0.02 U	< 0.01 U	< 0.04 U	< 0.01 U	< 0.01 U	< 0.02 U
Shallow	PC-76	No	44	N	02/28/07	< 0.0071 U	< 0.013 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	< 0.0031 U	< 0.0057 U	0.32	< 0.099 U	< 0.0046 U	< 0.0057 U	< 0.0078 U
Shallow	PC-76	No	51	N	05/14/08	< 0.0071 U	< 0.012 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	< 0.0031 U	< 0.0057 U	0.33	< 0.099 U	< 0.0046 U	< 0.0057 U	< 0.0078 U
Shallow	PC-76	No	58	N	09/21/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	0.7	< 0.04 U	< 0.01 U	< 0.01 U	< 0.02 U
Shallow	PC-79	No	37	N	05/04/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	0.22 J-	< 0.0065 U	0.62 J-	< 0.044 U	0.21	< 0.011 U	< 0.0061 U
Shallow	PC-79	No	38	N	08/04/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	0.17	< 0.0065 U	0.7	< 0.044 U	0.14 J	< 0.011 U	< 0.0061 U
Shallow	PC-79	No	42	N	10/25/06	< 0.0056 U	< 0.013 U	< 0.004 U	0.17	< 0.032 U	< 0.0052 U	0.22	< 0.0065 U	0.7	< 0.044 U	0.15 J	< 0.011 U	< 0.0061 U
Shallow	PC-79	No	44	N	02/08/07	< 0.0071 U	< 0.013 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	0.25	< 0.0057 U	0.67	< 0.099 U	0.21	< 0.0057 U	< 0.0078 U
Shallow	PC-79	No	51	N	04/28/08	< 0.0071 U	< 0.012 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	0.14	< 0.0057 U	0.65	< 0.099 U	0.11	< 0.0057 U	< 0.0078 U
Shallow	PC-79	No	58	N	08/27/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	0.12	< 0.02 U	0.8	< 0.04 U	0.098	< 0.01 U	< 0.02 U
Shallow	PC-80	No	37	N	05/04/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	0.26	< 0.0065 U	0.43	< 0.044 U	0.31	< 0.011 U	< 0.0061 U
Shallow	PC-80	No	38	N	08/08/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	0.27	< 0.0065 U	0.34	< 0.044 U	0.26	< 0.011 U	< 0.0061 U
Shallow	PC-80	No	42	N	10/25/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	0.35	< 0.0065 U	0.32	< 0.044 U	0.29	< 0.011 U	< 0.0061 U
Shallow	PC-80	No	44	N	02/05/07	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	0.28	< 0.0065 U	0.31	< 0.044 U	0.25	< 0.011 U	< 0.0061 U
Shallow	PC-80	No	51	N	04/29/08	< 0.0071 U	< 0.012 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	0.24	< 0.0057 U	0.25	< 0.099 U	0.27	< 0.0057 U	< 0.0078 U
Shallow	PC-80	No	58	N	08/27/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	0.24	< 0.02 U	0.27	< 0.04 U	0.32	< 0.01 U	< 0.02 U
Shallow	PC-81	No	37	N	05/05/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	0.18	< 0.0065 U	0.59 J-	< 0.044 U	0.45	< 0.011 U	< 0.0061 U
Shallow	PC-81	No	38	N	08/08/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	0.19	< 0.0065 U	0.47	< 0.044 U	0.34	< 0.011 U	< 0.0061 U
Shallow	PC-81	No	42	N	10/26/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	0.27	< 0.0065 U	0.51	< 0.044 U	0.43	< 0.011 U	< 0.0061 U
Shallow	PC-81	No	44	N	02/08/07	< 0.0071 U	< 0.013 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	0.17	< 0.0057 U	0.41	< 0.099 U	0.3	< 0.0057 U	< 0.0078 U
Shallow	PC-81	No	51	N	04/29/08	< 0.0071 U	< 0.012 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	0.17	< 0.0057 U	0.42	< 0.099 U	0.24	< 0.0057 U	< 0.0078 U
Shallow	PC-81	No	58	N	09/01/09	< 0.01 U	0.084	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	0.18	< 0.02 U	0.59	< 0.04 U	0.28 J+	< 0.01 U	< 0.02 U
Shallow	PC-88	No	51	N	04/30/08	< 0.0071 U	< 0.012 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	0.27	< 0.0057 U	0.16	< 0.099 U	0.86	< 0.0057 U	< 0.0078 U
Shallow	PC-88	No	58	N	09/01/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	0.35	< 0.02 U	0.19	< 0.04 U	0.84 J+	< 0.01 U	< 0.02 U
Shallow	PC-90	No	38	N	08/24/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	0.2	< 0.0065 U	0.31	< 0.044 U	0.59	< 0.011 U	< 0.0061 U
Shallow	PC-90	No	42	N	10/26/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	< 0.018 U	< 0.0065 U	0.41 J+	< 0.044 U	0.1 J+	< 0.011 U	< 0.0061 U
Shallow	PC-90	No	44	N	02/05/07	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	< 0.018 U	< 0.0065 U	0.47 J+	< 0.044 U	< 0.0034 U	< 0.011 U	< 0.0061 U
Shallow	PC-90	No	51	N	05/01/08	< 0.0071 U	< 0.012 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	0.18	< 0.0057 U	0.2	< 0.099 U	0.52	< 0.0057 U	< 0.0078 U
Shallow	PC-90	No	58	N	09/09/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	0.14	< 0.02 U	0.16	< 0.04 U	0.42	< 0.01 U	< 0.02 U
Shallow	PC-94	No	37	N	05/05/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	< 0.018 U	< 0.0065 U	< 0.0072 U	< 0.044 U	< 0.0034 U	< 0.011 U	< 0.0061 U
Shallow	PC-94	No	38	N	08/07/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	< 0.018 U	< 0.0065 U	< 0.0072 U	< 0.044 U	< 0.0034 U	< 0.011 U	< 0.0061 U
Shallow	PC-94	No	42	N	10/27/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	< 0.018 U	< 0.0065 U	< 0.0072 U	< 0.044 U	< 0.0034 U	< 0.011 U	< 0.0061 U
Shallow	PC-94	No	44	N	02/02/07	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	< 0.018 U	< 0.0065 U	< 0.0072 U	< 0.044 U	< 0.0034 U	< 0.011 U	< 0.0061 U
Shallow	PC-94	No	58	N	09/09/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.04 U	< 0.01 U	< 0.01 U	< 0.02 U
Shallow	POD2-R	No	37	N	05/08/06	< 0.027 U	< 0.012 U	< 0.0031 U	< 0.0059 U	< 0.0098 U	< 0.0047 U	< 0.0044 U	< 0.0055 U	< 0.0065 U	< 0.032 U	< 0.0032 U	< 0.0036 U	< 0.0031 U
Shallow	POD2-R	No	38	N	08/03/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	< 0.018 U	< 0.0065 U	< 0.0072 U	< 0.044 U	< 0.0034 U	< 0.011 U	< 0.0061 U
Shallow	POD2-R	No	42	N	10/20/06	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	< 0.018 U	< 0.0065 U	< 0.0072 U	< 0.044 U	< 0.0034 U	< 0.011 U	< 0.0061 U
Shallow	POD2-R	No	44	N	01/26/07	< 0.0056 U	< 0.013 U	< 0.004 U	< 0.0082 U	< 0.032 U	< 0.0052 U	< 0.018 U	< 0.0065 U	< 0.0072 U	< 0.044 U	< 0.0034 U	< 0.011 U	< 0.0061 U
Shallow	POD2-R	No	51	N	04/23/08	< 0.0071 U	< 0.012 U	< 0.0075 U	< 0.013 U	< 0.013 U	< 0.0044 U	< 0.0031 U	< 0.0057 U	< 0.015 U	< 0.099 U	< 0.0046 U	< 0.0057 U	< 0.0078 U
Shallow	POD2-R	No	58	N	09/14/09	< 0.01 U	< 0.01 U	< 0.01 U	< 0.02 U	< 0.01 U	< 0.01 U	0.052	< 0.02 U	< 0.01 U	< 0.04 U	< 0.01 U	< 0.01 U	< 0.02 U
Shallow	POD8	No	37	N	04/28/06	< 0.027 U	< 0.012 U	< 0.0031 U	< 0.0059 U	< 0.0098 U	< 0.0047 U	0.072	< 0.0055 U	< 0.0065 U	< 0.032 U	< 0.0032 U	< 0.0036 U	< 0.0031 U
Shallow	POD8	No	38	N</														

Appendix C3

Total Metals

TOTAL METALS RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium (Total)	Chromium (VI)	Cobalt	Copper	Iron	Lead	Lithium	Magnesium
						ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	6	10	2000	4	--	5	--	100	100	--	1300	--	15	--	--
					BCL	36500	6	10	2000	4	7300	5	--	100	100	11	1360	25600	15	73	207000
Shallow	AA-01	No	27	N	07/15/04	< 30 U	< 10 U	53.6	25.4	< 5 U	593	< 5 U	545000	5.4	< 10 U	2.3 J	25.6	57.1 J	< 3 U	251	45300
Shallow	AA-01	No	37	N	04/26/06	< 200 U	1.2 J	67.3	20	< 2.2 U	849 J	0.11 J	446000 J	3.2 J-	< 2.5 U	0.69 J-	3.3 J-	--	< 0.49 U	200	111000
Shallow	AA-01	No	38	N	08/01/06	< 160 U	< 2.5 U	66.3	19	< 0.44 U	1230	< 0.29 U	595000	< 14 U	64	< 6.3 U	< 5 U	< 47 UJ	< 2.5 U	215	116000
Shallow	AA-01	No	42	N	10/18/06	< 160 U	< 10 U	68.8 J	18.8 J	< 1.8 U	1210	< 1.1 U	522000	< 56 U	< 2.5 U	< 6.3 U	6.3 J	--	< 9.8 U	< 44 U	112000
Shallow	AA-01	No	44	N	01/25/07	< 79 U	< 5 U	78.3 J	18.9 J	< 0.88 U	1200	< 0.57 U	544000	< 28 U	< 2.5 U	< 3.1 U	5.1 J	--	< 4.9 U	203	112000
Shallow	AA-01	No	51	N	04/22/08	< 500 U	< 34 U	< 97 U	< 26 U	< 6.4 U	1280 J	< 2.1 U	526000	< 150 U	< 20 U	< 12 U	< 4.1 U	< 800 R	< 25 U	212 J	135000
Shallow	AA-01	No	58	N	08/07/09	< 3.6 U	< 0.07 U	91	19.4	< 0.08 U	1230	0.11 J	471000	9.2 J	4.17 J	0.53 J	< 0.56 U	1700	< 0.18 U	< 13 U	142000
Shallow	AA-01	Yes	58	N	08/07/09	--	--	--	--	--	--	--	486000	--	--	--	--	--	--	--	148000
Shallow	AA-07	No	27	N	07/24/04	< 150 U	< 10 U	41.4	39.6 J	< 5 U	847	< 5 U	268000	< 10 U	10 J-	1.5 J	26.1 J	< 100 U	< 3 U	154 J	69200
Shallow	AA-07	No	37	N	06/06/06	63.1 J	< 2.5 U	70.6	33	< 0.44 U	1060 J+	< 0.29 U	281000	< 14 U	14	< 1.6 U	3.7 J	< 47 UJ	< 2.5 U	155	81100
Shallow	AA-07	No	38	N	08/16/06	< 79 U	< 5 U	64.5 J	30.7	< 0.88 U	690	< 0.57 U	268000	< 28 U	16	< 3.1 U	4.6 J	304 J	< 4.9 U	158	83800
Shallow	AA-07	No	42	N	11/03/06	< 39 U	< 2.5 U	75.8	30.2	< 0.44 U	1030 J	< 0.29 U	294000	14.5 J	16	< 1.6 U	< 1.3 U	< 47 U	< 2.5 U	157	92100
Shallow	AA-07	No	44	N	02/26/07	< 79 U	< 5 U	73.3 J	28.9	< 0.88 U	1020	< 0.57 U	291000	< 28 U	< 2.5 U	< 3.1 U	< 2.5 U	< 94 UJ	< 4.9 U	143	95600 J
Shallow	AA-07	No	51	N	04/21/08	< 99 U	< 6.8 U	66.6 J	28.1	< 1.3 U	1060	< 0.42 U	264000	< 30 U	< 20 U	< 2.4 U	< 8.1 U	< 160 R	< 4.9 U	< 96 U	81800
Shallow	AA-07	No	58	N	08/10/09	< 3.6 U	< 0.07 U	67.9	29.6	< 0.08 U	1040	< 0.04 U	266000 J-TDS	10.8	4.24 J	0.21 J	< 0.56 U	808	< 0.18 U	< 13 U	87800 J-TDS
Shallow	AA-07	Yes	58	N	08/10/09	--	--	--	--	--	--	--	266000	--	--	--	--	--	--	--	86900
Shallow	AA-08	No	27	N	07/19/04	< 30 U	< 50 U	16.1 J	40.7	< 25 U	1920 J	< 25 U	420000	< 50 U	< 10 U	3 J	25.8	85.6 J	< 25 U	259	148000
Shallow	AA-08	No	37	N	05/25/06	< 79 U	< 5 U	55 J	46.4	< 0.88 U	2510	< 0.57 U	473000	< 28 U	< 2.5 U	< 3.1 U	8.2 J	< 94 UJ	< 4.9 U	220	233000 J
Shallow	AA-08	No	38	N	08/14/06	< 79 U	< 5 U	46.2 J	41.3	< 0.88 U	2350 J+	< 0.57 U	484000	< 28 U	< 2.5 U	4.7 J	8.2 J	176 J-	< 4.9 U	209	223000
Shallow	AA-08	No	42	N	11/01/06	< 200 U	< 13 U	52.8 J	46.5 J	< 2.2 U	2340	< 1.4 U	477000	< 70 U	< 2.5 U	< 7.8 U	< 6.3 U	< 240 U	< 12 U	211	225000
Shallow	AA-08	No	44	N	02/08/07	< 200 U	< 13 U	67.6 J	44.2 J	< 2.2 U	2240	< 1.4 U	459000	< 70 U	< 2.5 U	< 7.8 U	6.5 J	< 240 U	< 12 U	223	209000
Shallow	AA-08	No	51	N	05/16/08	< 400 U	< 27 U	< 77 U	34.8 J	< 5.1 U	1910 J+J-CAB	< 1.7 U	384000 J-CAB	< 120 U	< 20 U	< 9.8 U	< 32 U	< 640 R	< 20 U	< 190 U	191000 J-CAB
Shallow	AA-08	No	58	N	08/14/09	38.4	< 0.07 U	56.1	39.6	< 0.08 U	2330 J+	0.062 J	454000 J-TDS	< 0.5 U	< 3 U	2.3	< 0.56 U	1940	< 0.18 U	229	208000 J+J-TDS
Shallow	AA-08	Yes	58	N	08/14/09	--	--	--	--	--	--	--	437000	--	--	--	--	--	--	--	199000
Shallow	AA-09	No	27	N	07/20/04	< 30 U	25.4 J	< 50 U	17.2 J	4.3 J	2320 J	< 25 U	582000	95.3	120	3.3 J	33.3	< 100 U	8.5	223	207000
Shallow	AA-09	No	37	N	05/01/06	< 160 U	< 10 U	57.7 J	22.9 J	< 1.8 U	3320	< 1.1 U	658000	79.7 J	98	< 6.3 U	9.7 J	--	< 9.8 U	189	308000
Shallow	AA-09	No	38	N	08/11/06	< 160 U	< 10 U	70 J	16.6 J	< 1.8 U	3560	< 1.1 U	649000	112 J	94	< 6.3 U	7.5 J	197 J-	< 9.8 U	182	319000
Shallow	AA-09	No	42	N	10/23/06	< 160 U	< 10 U	67.8 J	16.6 J	< 1.8 U	3460	< 1.1 U	598000	119 J	110	< 6.3 U	10.7 J	--	< 9.8 U	< 44 U	319000
Shallow	AA-09	No	44	N	01/26/07	< 160 U	< 10 U	97.7 J	15.4 J	< 1.8 U	3400	< 1.1 U	612000	104 J+	110	< 6.3 U	7.6 J	--	< 9.8 U	163	303000
Shallow	AA-09	No	51	N	05/16/08	< 790 U	< 54 U	< 150 U	< 42 U	< 10 U	4420 J+	< 3.4 U	531000	< 240 U	85	< 20 U	< 65 U	< 1300 R	< 39 U	< 190 U	342000
Shallow	AA-09	No	58	N	08/12/09	31.8	< 0.07 U	108	13	< 0.08 U	4060	0.21 J	538000	90.1	89	0.6 J	< 0.56 U	1750	< 0.18 U	< 13 U	294000
Shallow	AA-09	Yes	58	N	08/12/09	--	--	--	--	--	--	--	539000	--	--	--	--	--	--	--	280000
Shallow	AA-10	No	27	N	07/20/04	< 30 U	< 50 U	7.5	35.5	3 J	2150 J	< 25 U	427000	14.8	16	2.3 J	28.1	< 100 U	< 25 U	241	166000
Shallow	AA-10	No	37	N	05/12/06	< 160 U	< 10 U	< 40 U	37.3 J	< 1.8 U	2770	< 1.1 U	482000	< 56 U	31	< 6.3 U	6.2 J	< 190 UJ	< 9.8 U	204	238000
Shallow	AA-10	No	38	N	08/11/06	< 79 U	< 5 U	37.3 J	42.8	< 0.88 U	2610	< 0.57 U	508000	41.7 J	34	< 3.1 U	6.3 J	102 J-	< 4.9 U	205	240000
Shallow	AA-10	No	42	N	10/27/06	< 160 U	< 10 U	< 40 U	36.7 J	< 1.8 U	2700	< 1.1 U	466000	< 56 U	29	< 6.3 U	7 J	< 190 UJ	< 9.8 U	< 44 U	236000
Shallow	AA-10	No	44	N	02/05/07	< 200 U	< 13 U	< 50 U	56.9	< 2.2 U	2460	< 1.4 U	484000	< 70 U	20	< 7.8 U	8.7 J	--	< 12 U	207	235000
Shallow	AA-10	No	51	N	05/12/08	< 500 U	< 34 U	< 97 U	46.1 J	< 6.4 U	2650	< 2.1 U	470000	< 150 U	< 20 U	< 12 U	< 4.1 U	< 800 U	< 25 U	121 J	224000
Shallow	AA-10	No	58	N	08/11/09	< 3.6 U	< 0.07 U	44.7	27	< 0.08 U	2430	< 0.04 U	404000 J-TDS	18.4	12	0.39 J	< 0.56 U	1370	< 0.18 U	< 13 U	200000 J-TDS
Shallow	AA-10	Yes	58	N	08/11/09	--	--	--	--	--	--	--	398000	--	--	--	--	--	--	--	196000
Shallow	AA-13	No	27	N	07/14/04	< 30 U	< 10 U	34.5	23.3 J	< 5 U	426 J-	< 5 U	179000	< 10 U	< 10 U	3.5 J	13.5 J	< 100 U	< 3 U	201	36500 J+
Shallow	AA-13	No	37	N	05/12/06	< 79 U	< 5 U	54.4 J	14.6 J	< 0.88 U	1520	< 0.57 U	226000	< 28 U	< 2.5 U	< 3.1 U	4.8 J	< 94 UJ	< 4.9 U	275	102000
Shallow	AA-13	No	38	N	08/03/06	< 160 U	< 2.5 U	43.9 J	11.6	< 0.44 U	1580	< 0.29 U	240000	< 14 U	150	< 6.3 U	< 5 U	< 190 U	< 2.5 U	270	102000
Shallow	AA-13	No	42	N	10/20/06	< 160 U	< 10 U	< 40 U	13.2 J	< 1.8 U	1690	< 1.1 U	245000	< 56 U	< 2.5 U	< 6.3 U	6.7 J	--	< 9.8 U	300	117000
Shallow	AA-13	No	44	N	01/26/07	< 79 U	< 5 U	39.7 J	23.2	< 0.88 U	1140	< 0.57 U	273000	< 28 U	< 2.5 U	4 J	9.1 J	--	< 4.9 U	212	106000
Shallow	AA-13	No	51	N	05/12/08	< 250 U	< 17 U	52.2 J	< 13 U	< 3.2 U	1710	< 1.1 U	284000	< 75 U	< 20 U	< 6.1 U	< 20 U	< 400 U	< 12 U	203 J	125000
Shallow	AA-13	No	58	N	08/13/09	< 3.6 U	< 0.07 U	57	11.6	< 0.08 U	1740 J+	0.046 J	260000 J-TDS	7.7 J	< 3 U	1.3 J	1	1100	< 0.18 U	302	114000 J+J-TDS
Shallow	AA-13	Yes	58	N	08/13/09	--	--	--	--	--	--	--	268000	--	--	--	--	--	--	--	120000
Shallow	AA-18	No	27	N	02/06/07	< 30 U	< 10 U	26.1	57.2 J	0.11	247 J										

TOTAL METALS RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVS	Sample Type	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium (Total)	Chromium (VI)	Cobalt	Copper	Iron	Lead	Lithium	Magnesium
						ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	6	10	2000	4	--	5	--	100	100	--	1300	--	15	--	--
					BCL	36500	6	10	2000	4	7300	5	--	100	100	11	1360	25600	15	73	207000
Shallow	AA-20	No	38	N	08/11/06	< 160 U	< 10 U	105 J	9.7 J	< 1.8 U	3190	< 1.1 U	644000	100 J	88	< 6.3 U	7.2 J	< 190 UJ	< 9.8 U	290	254000
Shallow	AA-20	No	42	N	10/30/06	< 200 U	< 13 U	100 J	13.4 J	< 2.2 U	3180	< 1.4 U	623000	81.4 J	81	< 7.8 U	9.7 J	--	< 12 U	250	243000
Shallow	AA-20	No	44	N	01/30/07	< 390 U	< 25 U	107 J	12.9 J	< 4.4 U	2910	< 2.9 U	604000	< 140 U	74	< 16 U	15.3 J	--	< 25 U	277	262000
Shallow	AA-20	No	51	N	05/14/08	< 400 U	< 27 U	84.7 J	< 21 U	< 5.1 U	2520 J+,J-CAB	< 1.7 U	483000 J-CAB	< 120 U	93	< 9.8 U	< 32 U	< 640 R	< 20 U	< 190 U	205000 J-CAB
Shallow	AA-20	No	58	N	09/11/09	< 18.1 U	< 0.35 U	107	11.1	< 0.4 U	2960	0.4 J	556000	91.9	78	1.1 J	< 2.8 U	2120	< 0.9 U	297	235000
Shallow	AA-20	Yes	58	N	09/11/09	--	--	--	--	--	--	--	552000	--	--	--	--	--	--	--	231000
Shallow	AA-21	No	27	N	07/25/04	< 150 U	< 10 U	71.4	24.9 J	< 5 U	2930	< 5 U	576000	< 10 U	< 10 U	3 J	76.6	< 100 U	< 3 U	756 J	329000
Shallow	AA-21	No	37	N	05/19/06	< 160 U	< 10 U	88.9 J+	14.5 J-	< 1.8 U	3590	< 1.1 U	538000	< 56 U	< 2.5 U	< 6.3 U	16.6 J-	< 190 U	< 9.8 U	547	345000
Shallow	AA-21	No	38	N	08/17/06	< 200 U	< 13 U	73.7 J	12.5 J	< 2.2 U	3430	< 1.4 U	559000	< 70 U	4 J	< 7.8 U	9.2 J	< 240 UJ	< 12 U	528	346000
Shallow	AA-21	No	42	N	10/31/06	< 200 U	< 13 U	75.5 J	9.7 J	< 2.2 U	3370	< 1.4 U	564000	< 70 U	< 2.5 U	< 7.8 U	10.1 J	--	< 12 U	452	325000
Shallow	AA-21	No	44	N	01/29/07	< 390 U	< 25 U	< 100 U	13.7 J	< 4.4 U	3450	< 2.9 U	582000	< 140 U	< 2.5 U	< 16 U	13.3 J	--	< 25 U	< 8.7 UJ	377000
Shallow	AA-21	No	51	N	05/13/08	1880 J+	< 27 UJ	81.9 J	53.1 J	< 5.1 U	3040 J-	< 1.7 UJ	526000	< 120 U	< 20 U	< 9.8 U	< 32 U	1030 J	< 20 U	290 J	315000
Shallow	AA-21	No	58	N	08/12/09	< 3.6 U	< 0.07 U	84.9	14.7	< 0.08 U	3050	0.11 J	512000	< 2.9 J	< 3 U	0.53 J	0.79 J	1810	< 0.18 U	439	299000
Shallow	AA-21	Yes	58	N	08/12/09	--	--	--	--	--	--	--	520000	--	--	--	--	--	--	--	300000
Shallow	AA-22	No	27	N	07/17/04	459	< 50 U	< 50 U	30.4	< 25 U	720 J	< 25 U	339000	< 50 U	< 10 UJ-	6.7 J	27.3	389	< 25 U	111	57900
Shallow	AA-22	No	37	N	05/24/06	< 79 U	< 5 U	22.2 J	22.8	< 0.88 U	714	< 0.57 U	366000	< 28 U	< 2.5 U	5.1 J	12.4	< 94 U	< 4.9 U	123	82900
Shallow	AA-22	No	38	N	08/18/06	< 79 U	< 5 U	< 20 U	19.6 J	< 0.88 U	925	< 0.57 U	291000	< 28 U	5 J	6.2 J	7.2 J	< 94 UJ	< 4.9 U	141	61200
Shallow	AA-22	No	42	N	11/03/06	< 79 U	< 5 U	< 20 U	22.3	< 0.88 U	696 J	< 0.57 U	286000	< 28 U	< 2.5 U	8.2 J	< 2.5 U	< 94 U	< 4.9 U	123	62800
Shallow	AA-22	No	44	N	02/09/07	< 79 U	< 5 U	< 20 U	18.2 J	< 0.88 U	435 J	< 0.57 U	359000	< 28 U	< 2.5 U	8.6 J	12.6	< 94 U	< 4.9 U	< 8.7 U	59400
Shallow	AA-22	No	51	N	05/14/08	< 200 U	< 14 U	< 39 U	20.2 J	< 2.6 U	689 J+,J-CAB	< 0.84 U	495000 J-CAB	< 60 U	< 20 U	5.1 J	< 16 U	< 320 R	< 9.8 U	< 96 U	70400 J-CAB
Shallow	AA-22	No	58	N	09/23/09	< 36.2 U	< 0.7 U	15.4 J	18.3 J	< 0.8 U	888	< 0.4 U	692000 J-TDS	10.7 J	5.6	< 0.1 U	< 5.6 U	3010	< 1.8 U	206	133000 J-TDS
Shallow	AA-22	Yes	58	N	09/23/09	--	--	--	--	--	--	--	674000	--	--	--	--	--	--	--	139000
Shallow	AA-23-R	No	51	N	05/19/08	490 J	< 17 U	< 48 U	21 J	< 3.2 U	922 J	< 1.1 U	617000 J	< 75 U	< 20 U	< 6.1 U	< 20 U	< 400 U	< 12 U	< 190 U	121000
Shallow	AA-23-R	No	58	N	09/10/09	460	< 0.35 U	32.2 J	24.6	< 0.4 U	1130	< 0.2 U	635000 J-TDS	8.9 J	3.26 J	< 0.05 U	3 J	2560	< 0.9 U	251	159000 J-TDS
Shallow	AA-23-R	Yes	58	N	09/10/09	--	--	--	--	--	--	--	656000	--	--	--	--	--	--	--	161000
Shallow	AA-26	No	27	N	07/20/04	< 30 U	< 50 U	< 50 U	19.8 J	7.4 J	1440 J	< 25 U	172000	12.2	20	0.84 J	17.9	< 100 U	< 25 U	274	52500
Shallow	AA-26	No	37	N	05/24/06	< 79 U	< 5 U	48.9 J	23.4	< 0.88 U	1780	< 0.57 U	230000	< 28 U	26	< 3.1 U	5.2 J	< 94 U	< 4.9 U	292	77900
Shallow	AA-26	No	38	N	08/17/06	< 79 U	< 5 U	39.5 J	20.3	< 0.88 U	1730	< 0.57 U	240000	< 28 U	20	< 3.1 U	3.3 J	< 94 UJ	< 4.9 U	292	71100
Shallow	AA-26	No	42	N	10/26/06	< 79 U	< 5 U	35.3 J	20.8	< 0.88 U	1690	< 0.57 U	227000	< 28 U	21	< 3.1 U	4.4 J	< 94 UJ	< 4.9 U	296	82000
Shallow	AA-26	No	44	N	02/28/07	< 160 U	< 10 U	< 40 U	19.7 J	< 1.8 U	1870	< 1.1 U	247000	< 56 U	16	< 6.3 U	< 5 U	< 190 UJ	< 9.8 U	291	82600 J
Shallow	AA-26	No	51	N	05/19/08	< 200 U	< 14 U	< 39 U	19.4 J	< 2.6 U	1680	< 0.84 U	234000 J	< 60 U	24	< 4.9 U	< 16 U	< 320 U	< 9.8 U	123 J	83900
Shallow	AA-26	No	58	N	09/11/09	< 18.1 U	< 0.35 U	37.8 J	20.9	< 0.4 U	1820	< 0.2 U	252000 J-TDS	29.3 J	17	0.5 J	< 2.8 U	1060	< 0.9 U	318	90900 J-TDS
Shallow	AA-26	Yes	58	N	09/11/09	--	--	--	--	--	--	--	247000	--	--	--	--	--	--	--	89300
Shallow	AA-27	No	27	N	07/16/04	< 30 U	< 10 U	29.4	15.4 J	< 5 U	1390	< 5 U	557000	21.7	22	2.3 J	39.6	71.5 J	< 3 U	266	101000
Shallow	AA-27	No	37	N	04/27/06	< 200 U	0.76 J	38.7	14.3	< 2.2 U	2190 J	0.09 J	426000 J	18.1 J-	39	0.65 J-	4.7 J-	--	< 0.49 U	220	207000
Shallow	AA-27	No	38	N	08/02/06	< 79 U	< 5 U	35 J	12.5 J	< 0.88 U	2380	< 0.57 U	578000	< 28 U	260 J+	< 3.1 U	6 J	< 94 U	< 4.9 U	225	169000
Shallow	AA-27	No	42	N	10/19/06	< 160 U	< 10 U	< 40 U	13.3 J	< 1.8 U	2920	< 1.1 U	511000	< 56 U	23	< 6.3 U	8.8 J	--	< 9.8 U	< 44 U	195000
Shallow	AA-27	No	44	N	02/02/07	< 160 U	< 10 U	< 40 U	21.5 J	< 1.8 U	2570	< 1.1 U	477000	< 56 U	69	< 6.3 U	8.4 J	--	< 9.8 U	211	178000
Shallow	AA-27	No	51	N	05/14/08	< 200 U	< 14 U	< 39 U	11.4 J	< 2.6 U	2480 J+,J-CAB	< 0.84 U	452000 J-CAB	< 60 U	28	< 4.9 U	< 16 U	< 320 R	< 9.8 U	< 190 U	161000 J-CAB
Shallow	AA-27	No	58	N	08/26/09	155 J	< 0.7 U	44.3 J	14.8 J	< 0.8 U	3060	< 0.4 U	513000 J-TDS	32.3 J	23	1.6 J	< 5.6 U	5850	< 1.8 U	< 13 U	192000 J-TDS
Shallow	AA-27	Yes	58	N	08/26/09	--	--	--	--	--	--	--	516000	--	--	--	--	--	--	--	201000
Shallow	AA-30	No	58	N	09/09/09	483 J	< 0.35 U	40.9 J	34.4	< 0.4 U	1970	0.2 J	643000 J-TDS	28.2 J	24	< 0.05 U	< 2.8 U	2490	< 0.9 U	552	347000 J-TDS
Shallow	AA-30	Yes	58	N	09/09/09	--	--	--	--	--	--	--	648000	--	--	--	--	--	--	--	342000
Shallow	AA-UW1	No	51	N	05/20/08	323 J	< 14 U	69.8 J	22.9 J	< 2.6 U	3010	< 0.84 U	539000 J	< 60 U	< 20 U	< 4.9 U	< 16 U	< 320 U	< 9.8 U	< 190 U	202000
Shallow	AA-UW1	No	58	N	08/24/09	162 J	< 0.7 U	90.3 J	20.8	< 0.8 U	2920	< 0.4 U	541000 J-TDS	16.4 J	< 3 U	1.1 J	< 5.6 U	2080	< 1.8 U	180 J	219000 J-TDS
Shallow	AA-UW1	Yes	58	N	08/24/09	--	--	--	--	--	--	--	522000	--	--	--	--	--	--	--	227000
Shallow	AA-UW2	No	51	N	05/16/08	< 250 U	< 17 U	< 48 U	30.8 J	< 3.2 U	2250 J+	< 1.1 U	392000	< 75 U	< 20 U	< 6.1 U	< 20 U	793 J-	< 12 U	< 96 U	203000
Shallow	AA-UW2	No	58	N	08/11/09	31.4	< 0.07 U	37.1	13.4	< 0.08 U	2070	0.042 J	378000	19.8	14	0.39 J	1.1	1290	< 0.18 U	< 13 U	191000
Shallow	AA-UW2	Yes	58	N	08/11/09	--	--	--	--	--	--	--	371000	--	--	--	--	--	--	--	188000
Shallow	AA-UW3	No	51	N	05/20/08	155	< 3.4 U														

TOTAL METALS RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium (Total)	Chromium (VI)	Cobalt	Copper	Iron	Lead	Lithium	Magnesium
						ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	6	10	2000	4	--	5	--	100	100	--	1300	--	15	--	--
					BCL	36500	6	10	2000	4	7300	5	--	100	100	11	1360	25600	15	73	207000
Shallow	AA-UW5	No	51	N	05/22/08	< 99 U	< 6.8 UJ	< 19 U	22.6	< 1.3 U	403 J-J-CAB	< 0.42 UJ	75400 J-CAB	< 30 U	< 20 U	< 2.4 U	< 8.1 U	< 160 U	< 4.9 U	50.9 J	45800 J-CAB
Shallow	AA-UW5	No	51	FD	05/22/08	< 99 U	< 6.8 UJ	< 19 U	23.1	< 1.3 U	396 J-J-CAB	< 0.42 UJ	87100 J-CAB	< 30 U	< 20 U	< 2.4 U	< 8.1 U	< 160 U	< 4.9 U	< 48 U	47400 J-CAB
Shallow	AA-UW5	No	58	N	09/15/09	< 36.2 UJ	< 0.7 U	13.7 J	21.4	< 0.8 U	387	< 0.4 U	R-CAB&TDS	13.3 J	< 3 U	< 0.1 U	< 5.6 U	586	< 1.8 U	102 J	R-CAB&TDS
Shallow	AA-UW5	No	58	FD	09/15/09	615 J	< 0.7 U	13.4 J	24.3	< 0.8 U	395	< 0.4 U	R-CAB&TDS	16.4 J	< 3 U	< 0.1 U	< 5.6 U	910	< 1.8 U	108 J	R-CAB&TDS
Shallow	AA-UW5	Yes	58	N	09/15/09	--	--	--	--	--	--	--	89400	--	--	--	--	--	--	--	44900
Shallow	AA-UW5	Yes	58	FD	09/15/09	--	--	--	--	--	--	--	93300	--	--	--	--	--	--	--	45900
Shallow	AA-UW6	No	51	N	05/22/08	< 200 U	< 14 UJ	102 J	15.6 J	< 2.6 U	1910 J-J-CAB	< 0.84 UJ	37000 J-CAB	< 60 U	< 20 U	< 4.9 U	< 16 U	< 320 U	< 9.8 U	242 J	157000 J-CAB
Shallow	AA-UW6	No	58	N	08/27/09	< 36.2 U	< 0.7 U	161	15.8 J	< 0.8 U	1560	< 0.4 U	384000	7 J	< 3 U	1.3 J	< 5.6 U	4550	< 1.8 U	266	151000
Shallow	AA-UW6	Yes	58	N	08/27/09	--	--	--	--	--	--	--	421000	--	--	--	--	--	--	--	184000
Shallow	BEC-6	No	37	N	04/28/06	< 200 U	3.7 J	37.4	23.9	< 2.2 U	1130 J	0.64	500000 J	181 J-	160	0.92 J-	4.2 J-	--	0.61 J	291	277000
Shallow	BEC-6	No	38	N	08/01/06	< 200 U	< 5 U	34.9 J	27.5	< 0.88 U	1210 J	< 0.57 U	679000	224	240	< 7.8 U	6.4 J	< 94 U	< 4.9 U	286	256000
Shallow	BEC-6	No	42	N	10/19/06	< 160 U	< 10 U	< 40 U	19.3 J	< 1.8 U	1520	< 1.1 U	588000	229	190	< 6.3 U	7.7 J	--	< 9.8 U	< 44 U	263000
Shallow	BEC-6	No	44	N	01/29/07	< 390 U	< 25 U	< 100 U	20.3 J	< 4.4 U	1330 J	< 2.9 U	586000	216 J+	170	< 16 U	< 13 U	--	< 25 U	< 8.7 UJ	256000
Shallow	BEC-6	No	51	N	04/24/08	< 500 U	< 17 U	< 48 U	20.4 J	< 3.2 U	1620 J-CAB	< 1.1 U	579000 J-CAB	< 75 U	160	< 6.1 U	< 41 U	< 400 R	< 12 U	< 190 U	267000 J-CAB
Shallow	BEC-6	No	58	N	09/28/09	< 36.2 UJ	< 0.7 U	50.2 J	28.4	< 0.8 U	1420	< 0.4 U	R-CAB&TDS	193	180	< 0.1 U	< 5.6 U	2530	< 1.8 U	340	R-CAB&TDS
Shallow	BEC-6	Yes	58	N	09/28/09	--	--	--	--	--	--	--	592000 J	--	--	--	--	--	--	--	253000
Shallow	BEC-9	No	37	N	05/02/06	< 160 U	< 10 U	89.9 J	18.3 J	< 1.8 U	1880	< 1.1 U	797000	< 56 U	23	< 6.3 U	8.9 J	--	< 9.8 U	383	338000
Shallow	BEC-9	No	38	N	08/02/06	< 79 U	< 5 U	56.1 J	13.5 J	< 0.88 U	1410	< 0.57 U	826000	< 28 U	160 J+	< 3.1 U	6.8 J	151 J	< 4.9 U	361	279000
Shallow	BEC-9	No	42	N	10/19/06	< 160 U	< 10 U	64 J	13.6 J	< 1.8 U	1750	< 1.1 U	723000	< 56 U	11	< 6.3 U	8.8 J	--	< 9.8 U	298	290000
Shallow	BEC-9	No	44	N	01/29/07	< 390 U	< 25 U	< 100 U	20.8 J	< 4.4 U	1580 J	< 2.9 U	756000	< 140 U	25	< 16 U	< 13 U	--	< 25 U	< 44 UJ	289000
Shallow	BEC-9	No	51	N	04/24/08	< 250 U	< 17 U	60.4 J	14.2 J	< 3.2 U	1700 J-CAB	< 1.1 U	712000 J-CAB	< 75 U	< 20 U	< 6.1 U	< 20 U	< 400 R	< 12 U	< 190 U	298000 J-CAB
Shallow	BEC-9	No	58	N	08/18/09	< 18.1 U	< 0.35 U	77.8	11.6	< 0.4 U	1680 J+	< 0.2 U	716000	9.9 J	5.55 J	1.4 J	< 2.8 U	2860	< 0.9 U	390	283000 J+
Shallow	BEC-9	Yes	58	N	08/18/09	--	--	--	--	--	--	--	728000	--	--	--	--	--	--	--	290000
Shallow	COH-2A	No	44	N	01/30/07	< 390 U	< 25 U	< 100 U	24.3 J	< 4.4 U	3160	< 2.9 U	559000	< 140 U	15	< 16 U	< 13 U	--	< 25 U	452	340000
Shallow	COH-2A	No	51	N	05/08/08	< 990 U	< 68 U	< 190 U	< 52 U	< 13 U	4080 J	< 4.2 U	544000	< 300 R	< 20 U	< 24 U	< 81 U	< 1600 R	< 49 U	< 190 U	308000
Shallow	COH-2A	No	58	N	09/11/09	275	< 0.35 U	51.9	24.5	< 0.4 U	2670	0.71 J	332000 J-TDS	4.8 J	< 3 U	5.2 J	2.9 J	1470	< 0.9 U	405	207000 J-TDS
Shallow	COH-2A	Yes	58	N	09/11/09	--	--	--	--	--	--	--	324000	--	--	--	--	--	--	--	197000
Shallow	DBMW-1	No	51	N	05/20/08	< 500 U	< 34 U	< 97 U	< 26 U	< 6.4 U	2900	< 2.1 U	624000 J	< 150 U	51	< 12 U	< 41 U	< 800 U	< 25 U	< 190 U	306000
Shallow	DBMW-1	No	58	N	08/31/09	219 J	< 0.7 U	105	15.7 J	< 0.8 U	2940	1.9 J	587000 J-TDS	59.5 J	49	< 0.1 U	< 5.6 U	5080	< 1.8 U	392	269000 J-TDS
Shallow	DBMW-1	Yes	58	N	08/31/09	--	--	--	--	--	--	--	606000	--	--	--	--	--	--	--	272000
Shallow	DBMW-10	No	51	N	05/27/08	< 200 U	< 14 U	40.7 J+	19.6 J+	< 2.6 U	1210 J+J-CAB	< 0.84 UJ	212000 J-CAB	< 60 U	< 20 U	< 4.9 U	< 16 U	< 320 U	< 9.8 U	< 96 U	89600 J-CAB
Shallow	DBMW-10	No	58	N	09/29/09	166	< 0.14 U	57.2 J-	20.9	< 0.16 UJ	1070	< 0.08 UJ	223000 J-TDS	13.6 J-	12	< 0.02 UJ	< 1.1 UJ	1060	< 0.36 UJ	< 13 U	88700 J-TDS
Shallow	DBMW-10	Yes	58	N	09/29/09	--	--	--	--	--	--	--	202000	--	--	--	--	--	--	--	87200
Shallow	DBMW-11	No	51	N	06/02/08	< 200 U	< 14 U	< 39 U	30.8	< 2.6 U	2550 J+	< 0.84 U	645000	< 60 UJ	65	< 4.9 U	< 16 U	< 320 U	< 9.8 U	589	481000
Shallow	DBMW-11	No	58	N	10/01/09	< 36.2 U	< 0.7 U	25.6 J	24.3	< 0.8 UJ	2540	< 0.4 U	699000 J-TDS	74.9 J	63	< 0.1 U	< 5.6 U	4850	< 1.8 U	915	519000 J-TDS
Shallow	DBMW-11	Yes	58	N	10/01/09	--	--	--	--	--	--	--	703000	--	--	--	--	--	--	--	444000
Shallow	DBMW-12	No	51	N	05/27/08	255 J	< 17 U	< 48 U	15.4 J+	< 2.6 U	4200 J-CAB	< 1.1 U	675000 J-CAB	< 75 UJ	55	< 6.1 U	< 20 U	< 400 U	< 12 U	< 480 UJ	859000 J-CAB
Shallow	DBMW-12	No	58	N	09/24/09	432	< 0.7 U	44.3 J	16.8 J	< 0.8 U	2850	< 0.4 U	573000 J-TDS	62.8 J	51	< 0.1 U	< 5.6 U	3080	< 1.8 U	1000	581000 J-TDS
Shallow	DBMW-12	No	58	FD	09/24/09	303	< 0.7 U	47 J	12.5 J	< 0.8 U	2550	< 0.4 U	562000 J-TDS	57.9 J	50	< 0.1 U	< 5.6 U	2820	< 1.8 U	843	504000 J-TDS
Shallow	DBMW-12	Yes	58	N	09/24/09	--	--	--	--	--	--	--	546000	--	--	--	--	--	--	--	491000
Shallow	DBMW-12	Yes	58	FD	09/24/09	--	--	--	--	--	--	--	578000	--	--	--	--	--	--	--	522000
Shallow	DBMW-13	No	51	N	05/28/08	< 200 U	< 14 U	< 39 U	15.1 J	< 2.6 U	2720 J+	< 0.84 U	613000	< 60 U	43 J+	< 4.9 U	< 16 U	< 320 UJ	< 9.8 U	< 190 U	284000
Shallow	DBMW-13	No	58	N	09/29/09	200	< 0.35 U	53.1 J-	15.4	< 0.4 UJ	2590	< 0.2 UJ	596000 J-TDS	45.1 J-	39	< 0.05 UJ	< 2.8 UJ	2300	< 0.9 UJ	502	260000 J-TDS
Shallow	DBMW-13	Yes	58	N	09/29/09	--	--	--	--	--	--	--	613000	--	--	--	--	--	--	--	264000
Shallow	DBMW-14	No	51	N	05/29/08	< 200 U	< 14 U	104 J	< 10 U	< 2.6 U	3840	< 0.84 U	607000	< 60 U	53	< 4.9 U	< 16 U	< 320 U	< 9.8 U	< 190 U	211000
Shallow	DBMW-14	No	58	N	09/29/09	1680	< 0.35 U	103 J-	37.1	< 0.4 UJ	3680	0.24 J-	626000 J-TDS	47 J-	41	< 0.05 UJ	< 2.8 UJ	3870	1.3 J-	413	228000 J-TDS
Shallow	DBMW-14	Yes	58	N	09/29/09	--	--	--	--	--	--	--	610000	--	--	--	--	--	--	--	221000
Shallow	DBMW-15	No	51	N	05/28/08	< 200 U	< 14 U	116 J	11.7 J	< 2.6 U	2760	< 0.84 U	570000	< 60 U	< 20 U	< 4.9 U	< 16 U	< 320 U	< 9.8 U	< 190 U	219000
Shallow	DBMW-15	No	58	N	09/30/09	< 36.2 U	< 0.7 U	155	7.8 J	< 0.8 UJ	2740	< 0.4 U	559000 J-TDS	11.8 J	9.4	< 0.1 U	< 2.8 U	3780	< 1.8 U	320	204000 J-TDS
Shallow	DBMW-15	Yes	58	N	09/30/09	--	--	--	--	--	--	--	562000	--	--	--	--	--	--	--	206000
Shallow	DBMW-16	No	51	N	0																

TOTAL METALS RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
 (Page 4 of 22)

Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium (Total)	Chromium (VI)	Cobalt	Copper	Iron	Lead	Lithium	Magnesium
						ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	6	10	2000	4	--	5	--	100	100	--	1300	--	15	--	--
					BCL	36500	6	10	2000	4	7300	5	--	100	100	11	1360	25600	15	73	207000
Shallow	DBMW-19	Yes	58	N	09/24/09	--	--	--	--	--	--	--	584000	--	--	--	--	--	--	--	300000
Shallow	DBMW-2	No	51	N	06/02/08	245	< 14 U	38.7	16.4	< 2.6 U	3400 J+,J-CAB	< 0.84 U	551000 J-CAB	< 60 U	37	< 4.9 U	< 16 U	< 320 U	< 9.8 U	604	299000 J-CAB
Shallow	DBMW-2	No	58	N	09/04/09	< 18.1 U	< 0.35 U	88.9	19.1	< 0.4 U	3980	1.2 J	548000	49.4 J	41	< 0.05 U	< 2.8 U	2860	< 0.9 U	445	302000
Shallow	DBMW-2	Yes	58	N	09/04/09	--	--	--	--	--	--	--	545000	--	--	--	--	--	--	--	298000
Shallow	DBMW-20	No	51	N	05/13/08	< 400 U	< 27 UJ	< 77 U	22.8 J	< 5.1 U	1240 J-	< 1.7 UJ	523000	< 120 U	23	< 9.8 U	< 32 U	< 640 U	< 20 U	< 190 U	219000
Shallow	DBMW-20	No	58	N	09/30/09	< 36.2 U	< 0.7 U	37.1 J	20.6	< 0.8 UJ	1550	< 0.4 U	580000 J-TDS	23.4 J	21	< 0.1 U	< 2.8 U	3940	< 1.8 U	382	244000 J-TDS
Shallow	DBMW-20	Yes	58	N	09/30/09	--	--	--	--	--	--	--	567000	--	--	--	--	--	--	--	237000
Shallow	DBMW-22	No	51	N	05/30/08	216 J	< 6.8 U	26.9 J	16.9 J	< 2.6 U	1900	< 0.42 U	596000	< 30 U	< 20 UJ	< 2.4 U	< 8.1 U	< 160 U	< 4.9 U	< 190 U	179000
Shallow	DBMW-22	No	58	N	09/28/09	804 J	< 0.7 U	48.7 J	19.7 J	< 0.8 U	1590	< 0.4 U	484000 J-TDS	9.4 J	2.9	< 0.1 U	< 5.6 U	3070	< 1.8 U	518	171000 J-TDS
Shallow	DBMW-22	No	58	FD	09/28/09	< 36.2 UJ	< 0.7 U	45.1 J	14.4 J	< 0.8 U	1610	< 0.4 U	478000 J-TDS	6.9 J	3	< 0.1 U	< 5.6 U	2440	< 1.8 U	515	170000 J-TDS
Shallow	DBMW-22	Yes	58	N	09/28/09	--	--	--	--	--	--	--	519000 J	--	--	--	--	--	--	--	177000
Shallow	DBMW-22	Yes	58	FD	09/28/09	--	--	--	--	--	--	--	515000 J	--	--	--	--	--	--	--	176000
Shallow	DBMW-3	No	51	N	06/02/08	< 200 U	< 14 U	49.7	11.4	< 2.6 U	2810 J+,J-CAB	< 0.84 U	539000 J-CAB	< 60 U	57	< 4.9 U	< 16 U	< 320 U	< 9.8 U	< 190 U	297000 J-CAB
Shallow	DBMW-3	No	58	N	09/04/09	344	< 0.35 U	98.6	13.4	< 0.4 U	3360	2.1 J	562000 J-TDS	61.9	54	< 0.05 U	< 2.8 U	3130	< 0.9 U	428	367000 J-TDS
Shallow	DBMW-3	Yes	58	N	09/04/09	--	--	--	--	--	--	--	572000	--	--	--	--	--	--	--	377000
Shallow	DBMW-4	No	51	N	05/22/08	978 J+	< 27 UJ	< 77 U	34.5 J	< 5.1 U	2020 J-,J-CAB	< 1.7 UJ	544000 J-CAB	< 120 U	50	< 9.8 U	< 32 U	< 640 U	< 20 U	< 190 U	227000 J-CAB
Shallow	DBMW-4	No	58	N	09/22/09	< 36.2 U	< 0.7 U	96.9 J	12 J	< 0.8 U	2890	< 0.4 U	631000 J-TDS	64.7 J	59	< 0.1 U	< 5.6 U	2540	< 1.8 U	342	237000 J-TDS
Shallow	DBMW-4	Yes	58	N	09/22/09	--	--	--	--	--	--	--	627000	--	--	--	--	--	--	--	235000
Shallow	DBMW-5	No	51	N	05/22/08	< 400 U	< 27 UJ	< 77 U	< 21 U	< 5.1 U	1710 J-,J-CAB	< 1.7 UJ	609000 J-CAB	< 120 U	63	< 9.8 U	< 32 U	< 640 U	< 20 U	221 J	221000 J-CAB
Shallow	DBMW-5	No	58	N	09/23/09	718	< 0.7 U	129	16.7 J	< 0.8 U	2120	< 0.4 U	700000 J-TDS	75 J	53	< 0.1 U	< 5.6 U	4360	< 1.8 U	352	236000 J-TDS
Shallow	DBMW-5	No	58	FD	09/23/09	475	< 0.7 U	130	13.4 J	< 0.8 U	2080	< 0.4 U	685000 J-TDS	70.7 J	53	< 0.1 U	< 5.6 U	3840	< 1.8 U	353	234000 J-TDS
Shallow	DBMW-5	Yes	58	N	09/23/09	--	--	--	--	--	--	--	683000	--	--	--	--	--	--	--	236000
Shallow	DBMW-5	Yes	58	FD	09/23/09	--	--	--	--	--	--	--	666000	--	--	--	--	--	--	--	227000
Shallow	DBMW-7	No	51	N	06/02/08	259	< 14 U	< 39 U	12.7	< 2.6 U	1470 J+,J-CAB	< 0.84 U	652000 J-CAB	< 60 UJ	78	< 4.9 U	< 16 U	484 J+	< 9.8 U	295	273000 J-CAB
Shallow	DBMW-7	No	58	N	09/25/09	2340	< 0.7 U	32 J	36.3	< 0.8 U	1540	< 0.4 U	658000 J-TDS	86.4 J	62	< 0.1 U	< 5.6 U	6730	< 1.8 U	345	289000 J-TDS
Shallow	DBMW-7	No	58	FD	09/25/09	2540	< 0.7 U	33.5 J	34.6	< 0.8 U	1620	< 0.4 U	698000 J-TDS	83.2 J	64	< 0.1 U	< 5.6 U	6760	< 1.8 U	373	301000 J-TDS
Shallow	DBMW-7	Yes	58	N	09/25/09	--	--	--	--	--	--	--	700000	--	--	--	--	--	--	--	295000
Shallow	DBMW-7	Yes	58	FD	09/25/09	--	--	--	--	--	--	--	685000	--	--	--	--	--	--	--	289000
Shallow	DBMW-8	No	51	N	06/03/08	< 200 U	< 14 U	< 39 U	< 10 U	< 2.6 U	1670 J+,J-CAB	< 0.84 U	708000 J-CAB	102 J+	83	< 4.9 U	< 16 U	< 320 U	< 9.8 U	556	300000 J-CAB
Shallow	DBMW-8	No	58	N	09/23/09	< 36.2 U	< 0.7 U	32.8 J	9.7 J	< 0.8 U	1590	< 0.4 U	794000 J-TDS	72.6 J	66	< 0.1 U	< 5.6 U	3300	< 1.8 U	361	320000 J-TDS
Shallow	DBMW-8	Yes	58	N	09/23/09	--	--	--	--	--	--	--	795000	--	--	--	--	--	--	--	319000
Shallow	DBMW-9	No	51	N	05/23/08	388 J+	< 14 UJ	59.5 J	15 J	< 2.6 U	929 J-,J-CAB	< 0.84 UJ	582000 J-CAB	< 60 U	40	< 4.9 U	< 16 U	< 320 U	< 9.8 U	< 190 U	153000 J-CAB
Shallow	DBMW-9	No	58	N	09/29/09	< 18.1 U	0.4 J	83.7 J-	11.5	< 0.4 UJ	1030	< 0.2 UJ	560000 J-TDS	40.1 J-	35	< 0.05 UJ	< 2.8 UJ	2360	< 0.9 UJ	< 13 U	138000 J-TDS
Shallow	DBMW-9	Yes	58	N	09/29/09	--	--	--	--	--	--	--	534000	--	--	--	--	--	--	--	131000
Shallow	DM-1	No	37	N	05/01/06	2650	< 10 U	< 40 U	70.6	< 1.8 U	1170	< 1.1 U	723000	< 56 U	110	< 6.3 U	12.7 J	935 J-	< 9.8 U	191	186000
Shallow	DM-1	No	38	N	07/31/06	< 79 U	< 5 U	< 20 U	15.4 J	< 0.88 U	1760 J-	< 0.57 U	648000	< 28 U	20	< 3.1 U	9.9 J	< 94 UJ	< 4.9 U	194	220000
Shallow	DM-1	No	42	N	10/18/06	552 J	< 10 U	< 40 U	23.2 J	< 1.8 U	3100	< 1.1 U	552000	< 56 U	35	< 6.3 U	11.4 J	--	< 9.8 U	< 44 U	219000
Shallow	DM-1	No	44	N	01/25/07	1020	< 5 U	< 20 U	24.6	< 0.88 U	2870	< 0.57 U	428000	< 28 U	< 2.5 U	< 3.1 U	7.9 J	--	< 4.9 U	150	150000
Shallow	DM-1	No	51	N	04/22/08	< 500 U	< 34 U	< 97 U	< 26 U	< 6.4 U	1400 J	< 2.1 U	603000	< 150 U	< 20 U	< 12 U	< 41 U	< 800 R	< 25 U	< 190 U	195000
Shallow	DM-1	No	58	N	10/01/09	< 36.2 U	< 0.7 U	21.8 J	16.4 J	< 0.8 UJ	3270	< 0.4 U	570000 J-TDS	30.2 J	27	< 0.1 U	< 5.6 U	3710	< 1.8 U	197 J	168000 J-TDS
Shallow	DM-1	Yes	58	N	10/01/09	--	--	--	--	--	--	--	574000	--	--	--	--	--	--	--	169000
Shallow	HMW-08	No	44	N	02/02/07	10100	< 10 U	< 40 U	219	< 1.8 U	1220	< 1.1 U	563000	< 56 U	37	14.7 J	21	8910 J-	< 9.8 U	190	118000
Shallow	HMW-08	No	51	N	05/06/08	10100 J+	< 27 U	< 77 U	228	< 5.1 U	< 720 U	< 1.7 U	415000 J-CAB	< 120 U	< 20 U	< 9.8 U	< 32 U	8630	< 20 U	< 190 U	90400 J-CAB
Shallow	HMW-08	No	58	N	09/29/09	23400	< 0.35 U	59.4 J-	505	1.1 J-	1330	0.58 J-	R-CAB&TDS	58.7 J-	14	22.8 J-	30.2 J-	30800	18 J-	344	R-CAB&TDS
Shallow	HMW-08	Yes	58	N	09/29/09	--	--	--	--	--	--	--	614000	--	--	--	--	--	--	--	173000
Shallow	HMW-09	No	44	N	02/09/07	5510 J	< 13 U	60.2 J	113	< 2.2 U	1290	< 1.4 U	495000	< 70 U	16	9.7 J	17.6 J	5210 J	< 12 U	252	148000
Shallow	HMW-09	No	51	N	05/06/08	2440 J+	< 34 U	< 97 U	57.3 J	< 6.4 U	1690 J	< 2.1 U	477000 J	< 150 U	< 20 U	< 12 U	< 41 U	< 800 U	< 25 U	< 190 U	160000 J
Shallow	HMW-09	No	58	N	09/28/09	4580 J	< 0.7 U	45.8 J	102	< 0.8 U	2880	< 0.4 U	639000 J-TDS	47.3 J	37	< 0.1 U	5.8 J	7210	< 1.8 U	433	247000 J-TDS
Shallow	HMW-09	Yes	58	N	09/28/09	--	--	--	--	--	--	--	659000 J	--	--	--	--	--	--	--	246000
Shallow	HMWWT-6	No	44	N	02/21/07	< 79 U	< 5 U	29.4 J	48.9	< 0.88 U	1210	< 0.57 U	176000	< 28 U	11	< 3.1 U	< 2.5 U	< 94 U	< 4.9 U	114	97200 J
Shallow	HMWWT-6	No	51	N	04/25/08	< 250 U	< 6.8 U	20.2 J	45	< 1.3 U	987	< 0.42 U	154000	< 30 U	< 20 U	< 2.4 U	< 8.1 U				

TOTAL METALS RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
 (Page 5 of 22)

Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium (Total)	Chromium (VI)	Cobalt	Copper	Iron	Lead	Lithium	Magnesium
						ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	6	10	2000	4	--	5	--	100	100	--	1300	--	15	--	--
					BCL	36500	6	10	2000	4	7300	5	--	100	100	11	1360	25600	15	73	207000
Shallow	MCF-01B	No	51	N	04/23/08	< 250 U	< 17 U	68.9 J	15 J	< 3.2 U	2610 J-CAB	< 1.1 U	117000 J-CAB	< 75 U	< 20 U	< 6.1 U	< 20 U	< 400 R	< 12 U	< 96 U	66400 J-CAB
Shallow	MCF-01B	No	58	N	08/07/09	37.1	< 0.07 U	78	17.5	< 0.08 U	2530	0.044 J	111000	7.4 J	< 3 U	0.13 J	< 0.56 U	410	< 0.18 U	< 13 U	63900
Shallow	MCF-01B	Yes	58	N	08/07/09	--	--	--	--	--	--	--	108000	--	--	--	--	--	--	--	62200
Shallow	MCF-03B	No	27	N	07/24/04	< 150 U	< 10 U	< 10 U	132 J+	< 5 U	309	< 5 U	217000	175	170 J-	1.8 J+	49.4 J+	< 100 U	< 3 U	< 50 UJ	105 J
Shallow	MCF-03B	No	37	N	05/12/06	< 160 U	< 10 U	< 40 U	27.8 J	< 1.8 U	2440	< 1.1 U	174000	< 56 U	20	< 6.3 U	< 5 U	< 190 UJ	< 9.8 U	131	92700
Shallow	MCF-03B	No	38	N	08/16/06	< 160 U	< 10 U	< 40 U	24.9 J	< 1.8 U	1790	< 1.1 U	178000	< 56 U	15	< 6.3 U	5.4 J	199 J	< 9.8 U	138	94100
Shallow	MCF-03B	No	42	N	11/03/06	< 200 U	< 13 U	< 50 U	23.3 J	< 2.2 U	2320	< 1.4 U	164000	< 70 U	13	< 7.8 U	< 6.3 U	< 240 U	< 12 U	134	95800
Shallow	MCF-03B	No	44	N	02/20/07	< 200 U	< 13 U	< 50 U	20.9 J	< 2.2 U	2370	< 1.4 U	165000	< 70 U	23	< 7.8 U	< 6.3 U	< 240 U	< 12 U	126	102000
Shallow	MCF-03B	No	51	N	04/29/08	< 500 U	< 34 U	< 97 U	< 26 U	< 6.4 U	2160 J	< 2.1 U	157000	< 150 U	< 20 U	< 12 U	< 41 U	< 800 U	< 25 U	112 J	93300
Shallow	MCF-03B	No	58	N	08/17/09	< 18.1 U	< 0.35 U	48.1 J	15.4	< 0.4 U	2250 J+	< 0.2 U	150000 J-TDS	7.7 J	< 3 U	0.14 J	< 2.8 U	597	< 0.9 U	132	88200 J-TDS
Shallow	MCF-03B	Yes	58	N	08/17/09	--	--	--	--	--	--	--	154000	--	--	--	--	--	--	--	89000
Shallow	MCF-06B	No	27	N	07/26/04	< 30 U	3.5 J	< 10 U	273 J	0.63 J	< 50 U	< 5 U	971000	625	670	7.2 J	171	< 100 U	22.3	5520	7920
Shallow	MCF-06B	No	37	N	05/18/06	< 790 U	< 50 U	< 200 U	59.4 J	< 8.8 U	4300 J	< 5.7 U	554000	< 280 U	221	< 31 U	40.3 J	< 940 U	< 49 U	6020 J	2410000
Shallow	MCF-06B	No	38	N	08/09/06	< 1600 U	< 100 U	653 J	< 49 U	< 18 U	< 1300 U	< 11 U	541000	< 560 U	81	< 63 U	< 50 U	3810 J-	< 98 U	6230	3830000
Shallow	MCF-06B	No	42	N	10/31/06	< 790 U	< 50 U	< 200 U	30.8 J	< 8.8 U	6290	< 5.7 U	528000	< 280 U	49	< 31 U	53.2 J	--	< 49 U	6230	3580000
Shallow	MCF-06B	No	44	N	02/01/07	< 1600 U	< 100 U	< 400 U	135 J	< 18 U	6120 J	< 11 U	524000	< 560 U	120	< 63 U	69.2 J	--	< 98 U	6430	3770000
Shallow	MCF-06B	No	51	N	05/02/08	< 5000 U	< 340 U	< 970 U	< 260 U	< 64 U	< 9000 U	< 21 U	482000	< 1500 U	54	< 120 U	< 410 U	< 8000 U	< 250 U	1960 J	3600000 J-
Shallow	MCF-06B	No	58	N	08/28/09	141 J	< 0.7 U	17.3 J	20.3	< 0.8 U	6350	3.8 J	475000 J-TDS	46.8 J	41	< 0.1 U	< 5.6 U	1870	< 1.8 U	5980	3760000 J-TDS
Shallow	MCF-06B	Yes	58	N	08/28/09	--	--	--	--	--	--	--	482000	--	--	--	--	--	--	--	3820000
Shallow	MCF-06C	No	27	N	07/26/04	< 30 U	< 10 U	48.2	12.7 J	< 5 U	357	< 5 U	636000	71.2	82	3.3 J	56.4	< 100 U	1.9 J	533	62800
Shallow	MCF-06C	No	37	N	05/22/06	< 79 U	< 5 U	52.7 J	15.3 J	< 0.88 U	2160	< 0.57 U	703000	59.3 J	98	< 3.1 U	9.6 J	< 94 U	< 4.9 U	423	350000
Shallow	MCF-06C	No	38	N	08/08/06	< 160 U	< 10 U	< 40 U	13.4 J	< 1.8 U	1850	< 1.1 U	664000	58 J	60	< 6.3 U	8.3 J	< 190 U	< 9.8 U	440	393000
Shallow	MCF-06C	No	42	N	10/30/06	< 200 U	< 13 U	< 50 U	22.7 J	< 2.2 U	2040	< 1.4 U	686000	< 70 U	55	< 7.8 U	9.4 J	--	< 12 U	399	346000
Shallow	MCF-06C	No	44	N	02/01/07	< 200 U	< 13 U	< 50 U	27.5 J	< 2.2 U	1850	< 1.4 U	668000	< 70 U	97	< 7.8 U	9.6 J	--	< 12 U	425	356000
Shallow	MCF-06C	No	51	N	05/23/08	< 400 U	< 27 UJ	< 77 U	< 21 U	< 5.1 U	1780 J-J-CAB	< 1.7 UJ	621000 J-CAB	< 120 U	53 J-	< 9.8 U	< 32 U	< 640 U	< 20 U	310 J	351000 J-CAB
Shallow	MCF-06C	No	58	N	09/09/09	257 J	< 0.35 U	48.3 J	19.3	< 0.4 U	2010	1.1 J	663000	70	58	< 0.05 U	6	3510	< 0.9 U	467	357000
Shallow	MCF-06C	Yes	58	N	09/09/09	--	--	--	--	--	--	--	654000	--	--	--	--	--	--	--	355000
Shallow	MCF-12B	No	27	N	07/21/04	< 30 U	< 50 U	< 50 U	55.4	3.8 J	1110 J	< 25 U	445000	20	24	2.8 J	31.1	< 100 U	< 25 U	271 J	26300
Shallow	MCF-12B	No	37	N	05/23/06	< 79 U	< 5 U	76.2 J	12.6 J	< 0.88 U	1660	< 0.57 U	300000 J	< 28 U	21	< 3.1 U	5.7 J	< 94 U	< 4.9 U	192 J	128000
Shallow	MCF-12B	No	38	N	08/09/06	< 39 U	< 2.5 U	78.8	11.7	< 0.44 U	1590	< 0.29 U	277000	24.4 J	25	< 1.6 U	4.2 J	< 47 UJ	< 2.5 U	198	131000
Shallow	MCF-12B	No	42	N	11/08/06	< 79 U	< 5 U	61.7 J	11.9 J	< 0.88 U	< 67 UJ	< 0.57 U	278000	28.9 J	20	< 3.1 U	4.4 J	--	< 4.9 U	205 J	123000
Shallow	MCF-12B	No	44	N	02/15/07	< 160 U	11.7 J	88.6 J	21.7 J	< 1.8 U	1750	10.9 J+	312000	< 56 U	22	11.7 J+	13 J+	< 190 U	11.1 J	196	139000
Shallow	MCF-12B	No	51	N	05/08/08	< 200 U	< 14 U	66 J	10.5 J	< 2.6 U	1650 J-CAB	< 0.84 U	283000 J-CAB	< 60 R	29	< 4.9 U	< 16 U	< 320 R	< 9.8 U	105 J	125000 J-CAB
Shallow	MCF-12B	No	58	N	08/19/09	< 18.1 U	< 0.35 U	77.5	12	< 0.4 U	1570	< 0.2 U	302000	26 J	21	< 0.05 U	< 2.8 U	933	< 0.9 U	< 13 U	136000
Shallow	MCF-12B	Yes	58	N	08/19/09	--	--	--	--	--	--	--	293000	--	--	--	--	--	--	--	131000
Shallow	MCF-16C	No	27	N	07/23/04	< 30 U	< 10 U	21	22 J	< 5 U	143	< 5 U	662000	84.6	80	3.3 J	52.9	< 100 U	< 3 U	521	29000
Shallow	MCF-16C	No	37	N	05/22/06	< 79 U	< 5 U	26.4 J	18 J	< 0.88 U	2800	0.71 J	658000	106	145	< 3.1 U	12.5	< 94 U	< 4.9 U	763	501000
Shallow	MCF-16C	No	38	N	08/16/06	< 160 U	< 10 U	< 40 U	16.2 J	< 1.8 U	5770	< 1.1 U	601000	< 56 U	135	< 6.3 U	18.6 J	523 J	< 9.8 U	1450	999000
Shallow	MCF-16C	No	42	N	11/06/06	< 200 U	< 13 U	< 50 U	18.6 J	< 2.2 U	2510	< 1.4 U	685000	151 J	150	< 7.8 U	< 6.3 U	< 240 U	< 12 U	614	459000
Shallow	MCF-16C	No	44	N	02/20/07	< 200 U	< 13 U	< 50 U	15.4 J	< 2.2 U	2620	< 1.4 U	681000	118 J+	250	< 7.8 U	< 6.3 U	< 240 U	< 12 U	648	485000
Shallow	MCF-16C	No	51	N	05/19/08	< 500 U	< 34 U	< 97 U	< 26 U	< 6.4 U	3520 J-CAB	< 2.1 U	590000 J-CAB	155 J	73	< 12 U	< 41 U	< 800 U	< 25 U	732 J	671000 J-CAB
Shallow	MCF-16C	No	58	N	09/30/09	< 36.2 U	< 0.7 U	16.3 J	10.4 J	< 0.8 UJ	3240	0.4 J	601000 J-CAB&TDS	103	93	< 0.1 U	< 2.8 U	4310	< 1.8 U	948	600000 J-CAB&TDS
Shallow	MCF-16C	Yes	58	N	09/30/09	--	--	--	--	--	--	--	625000	--	--	--	--	--	--	--	493000
Shallow	MW-13	No	44	N	02/15/07	796	< 5 U	39.8 J	55.3	< 0.88 U	1090	< 0.57 U	244000	< 28 U	< 2.5 U	3.5 J+	6.5 J+	340 J	< 4.9 U	224	108000
Shallow	MW-13	No	51	N	05/12/08	490 J	< 17 U	< 48 U	38.6 J	< 3.2 U	1390 J-CAB	< 1.1 U	586000	< 75 U	27	< 6.1 U	< 20 U	< 400 U	< 12 U	< 190 U	245000
Shallow	MW-13	No	58	N	09/02/09	445	< 0.35 U	36 J	38.6	< 0.4 U	1450	< 0.2 U	526000 J-TDS	24 J	17	< 0.05 U	< 2.8 U	2950	< 0.9 U	312	207000 J-TDS
Shallow	MW-13	Yes	58	N	09/02/09	--	--	--	--	--	--	--	536000	--	--	--	--	--	--	--	212000
Shallow	MW-15	No	44	N	02/13/07	511 J	< 13 U	90.4 J	16 J	< 2.2 U	2530	< 1.4 U	431000	< 70 U	< 2.5 U	< 7.8 U	8.6 J+	245 J	< 12 U	1660	174000
Shallow	MW-15	No	51	N	05/21/08	< 500 UJ	< 34 U	< 97 U	< 26 U	< 6.4 U	2790	< 2.1 U	428000								

TOTAL METALS RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium (Total)	Chromium (VI)	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
					MCL	--	6	10	2000	4	--	5	--	100	100	--	1300	--	15	--	--	
					BCL	36500	6	10	2000	4	7300	5	--	100	100	11	1360	25600	15	73	207000	
Shallow	MW-4	Yes	58	N	09/16/09	--	--	--	--	--	--	--	512000	--	--	--	--	--	--	--	--	962000
Shallow	PC-108	No	37	N	05/09/06	5900	<5 U	112	161	<0.88 U	1240	<0.57 U	309000	<28 U	<2.5 U	9.4 J	11.8	4180 J-	<4.9 U	168	67000	
Shallow	PC-108	No	38	N	08/07/06	<79 U	<5 U	<20 U	36.4	<0.88 U	1060	<0.57 U	159000	<28 U	<2.5 U	6.6 J	<2.5 U	<94 U	<4.9 U	146	65800	
Shallow	PC-108	No	42	N	10/27/06	254 J	<10 U	93.8 J	44.6	<1.8 U	1290	<1.1 U	239000	<56 U	<2.5 U	7 J	12.4 J	593 J-	<9.8 U	<44 U	73700	
Shallow	PC-108	No	44	N	02/09/07	<200 U	<13 U	121 J	45.3 J	<2.2 U	1230 J	<1.4 U	211000	<70 U	16	7.9 J	<6.3 U	499 J	<12 U	168	76500	
Shallow	PC-108	No	51	N	05/01/08	<500 U	<34 U	134 J	52.9 J	<6.4 U	978 J-J-CAB	<2.1 U	214000 J-CAB	<150 U	<20 U	<12 U	<41 U	<800 U	<25 U	<96 U	76200 J-J-CAB	
Shallow	PC-108	No	58	N	09/16/09	1400	<0.7 U	151	71.9	<0.8 U	1320	<0.4 U	263000 J-TDS	5.8 J	<0.03 U	<0.1 U	6.6 J	3950	<1.8 U	212 J	95600 J-TDS	
Shallow	PC-108	Yes	58	N	09/16/09	--	--	--	--	--	--	--	255000	--	--	--	--	--	--	--	--	91000
Shallow	PC-2	No	37	N	05/03/06	<160 U	<10 U	51.1 J	12.8 J	<1.8 U	1900	<1.1 U	485000	<56 U	14	<6.3 U	11.3 J	--	<9.8 U	264	232000	
Shallow	PC-2	No	38	N	08/03/06	12400	<5 U	91.3 J	154	<0.88 U	2170 J	0.68 J	645000	<28 U	210	7.6 J	25.5	10800	7.3 J	379	203000	
Shallow	PC-2	No	42	N	10/24/06	235 J	<10 U	71.8 J	18.2 J	<1.8 U	3610	<1.1 U	658000	<56 U	62	<6.3 U	13.7 J	--	<9.8 U	308	200000	
Shallow	PC-2	No	44	N	02/07/07	247 J+	<13 U	83.4 J	17.5 J	<2.2 U	2080	<1.4 U	570000	<70 U	<2.5 U	<7.8 U	11.7 J	<240 U	<12 U	268	145000	
Shallow	PC-2	No	51	N	04/25/08	<500 U	<17 U	55 J	<13 U	<3.2 U	3200 J-CAB	<1.1 U	640000 J-CAB	<75 U	<20 U	<6.1 U	<41 U	<400 R	<12 U	<190 U	212000 J-CAB	
Shallow	PC-2	No	58	N	08/19/09	1490	<0.35 U	103	30.6	<0.4 U	4530	0.62 J	453000	14.7 J	7.77 J	<0.05 U	3.7 J	2720	<0.9 U	503	305000	
Shallow	PC-2	Yes	58	N	08/19/09	--	--	--	--	--	--	--	444000	--	--	--	--	--	--	--	--	299000
Shallow	PC-24	No	44	N	02/16/07	<790 U	<50 U	<200 U	31.1 J	<8.8 U	5290	<5.7 U	1250000	<280 U	100	<31 U	<25 U	<940 U	<49 U	553	563000	
Shallow	PC-24	No	51	N	05/05/08	<1200 U	<85 U	<240 U	<66 U	<16 U	4980 J-J-CAB	<5.3 U	1080000 J-CAB	<380 U	140	<31 U	<100 U	<2000 U	<62 U	<480 U	498000 J-CAB	
Shallow	PC-24	No	58	N	08/20/09	304	<0.35 U	96.2	23.1	<0.4 U	3130	0.22 J	835000	133	120	<0.05 U	<2.8 U	2910	<0.9 U	490	379000	
Shallow	PC-24	Yes	58	N	08/20/09	--	--	--	--	--	--	--	805000	--	--	--	--	--	--	--	--	368000
Shallow	PC-28	No	44	N	02/21/07	467 J	<25 U	274 J	19 J	<4.4 U	4810	<2.9 U	689000	1000 J+	820	<16 U	<13 U	<470 U	<25 U	378	254000 J	
Shallow	PC-28	No	51	N	05/05/08	<790 U	<54 U	262 J	<42 U	<10 U	4660	<3.4 U	637000	976	1300	<20 U	<65 U	<1300 U	<39 U	<190 U	228000	
Shallow	PC-28	No	58	N	08/20/09	579	<0.35 U	235	22	<0.4 U	5210	<0.2 U	628000	1420	1400	<0.05 U	<2.8 U	2530	<0.9 U	422	231000	
Shallow	PC-28	Yes	58	N	08/20/09	--	--	--	--	--	--	--	632000	--	--	--	--	--	--	--	--	222000
Shallow	PC-4	No	37	N	05/03/06	1140	<10 U	<40 U	35.9 J	<1.8 U	4690	<1.1 U	628000	82.1 J	87	<6.3 U	10.3 J	--	<9.8 U	465	392000	
Shallow	PC-4	No	38	N	08/04/06	269 J	<10 U	57.5 J	17.7 J	<1.8 U	3790	<1.1 U	636000	90.3 J	77	<6.3 U	8.6 J	274 J	<9.8 U	426	337000	
Shallow	PC-4	No	42	N	10/23/06	<160 U	<10 U	<40 U	16 J	<1.8 U	4360	<1.1 U	589000	111 J	92	<6.3 U	11.5 J	--	<9.8 U	366	360000	
Shallow	PC-4	No	44	N	02/06/07	580 J	<25 U	<100 U	52.6 J	<4.4 U	3530	<2.9 U	533000	<140 U	91	<16 U	<13 U	--	<25 U	414	318000	
Shallow	PC-4	No	51	N	04/28/08	3600 J	<17 U	<48 U	105 J	<6.4 U	3840 J	<1.1 U	582000	<75 U	93	<6.1 U	<41 U	1650 J-	<12 U	<190 U	347000	
Shallow	PC-4	No	58	N	08/19/09	3860	<0.35 U	64	110	<0.4 U	3850	0.82 J	574000	89.5	78	<0.05 U	5	4960	1.5 J	516	341000	
Shallow	PC-4	Yes	58	N	08/19/09	--	--	--	--	--	--	--	550000	--	--	--	--	--	--	--	--	330000
Shallow	PC-67	No	44	N	02/16/07	<79 U	261 J	<20 U	329 J	<44 U	6130 J	255 J+	804000	<28 U	550	273 J+	225 J+	<94 U	274 J	607	481000	
Shallow	PC-67	No	51	N	05/06/08	4280 J+	<270 U	<770 U	<210 U	<51 U	<7200 U	<17 U	703000 J-CAB	<1200 U	910	<98 U	<320 U	<6400 U	<200 U	273 J+	357000 J-J-CAB	
Shallow	PC-67	No	58	N	09/09/09	3630 J	<0.35 U	165	76	<0.4 U	4300	0.48 J	709000 J-TDS	799	780	<0.05 U	7	6520	2.1 J	518	349000 J-TDS	
Shallow	PC-67	Yes	58	N	09/09/09	--	--	--	--	--	--	--	728000	--	--	--	--	--	--	--	--	352000
Shallow	PC-76	No	44	N	02/28/07	540	<2.5 U	10.9 J	35.9	<0.44 U	2100	<0.29 U	445000	<14 U	20	1.8 J	11.8	2630 J-	<2.5 U	114	286000 J	
Shallow	PC-76	No	51	N	05/14/08	<500 U	<34 U	<97 U	<26 U	<6.4 U	2170 J	<2.1 U	341000 J	<150 U	<20 U	<12 U	<41 U	906 J	<25 U	151 J+	252000 J	
Shallow	PC-76	No	58	N	09/21/09	<36.2 U	<0.7 U	54.6 J	17.2 J	<0.8 U	2220	<0.4 U	418000	5.4 J	<0.15 U	<0.1 U	6.8 J	2320	<1.8 U	264	232000	
Shallow	PC-76	Yes	58	N	09/21/09	--	--	--	--	--	--	--	407000	--	--	--	--	--	--	--	--	230000
Shallow	PC-79	No	37	N	05/04/06	89.9 J	<5 U	84.5 J	27.8	<0.88 U	1100	<0.57 U	278000	<28 U	<2.5 U	11.5 J	4.2 J	--	<4.9 U	171	99900	
Shallow	PC-79	No	38	N	08/04/06	389	<5 U	73.4 J	29.4	<0.88 U	1130 J	<0.57 U	316000	<28 U	12	12.3 J	4.4 J	466 J	<4.9 U	188	106000	
Shallow	PC-79	No	42	N	10/25/06	2170 J+	<5 U	78.5 J	55.7	<0.88 U	1140	<0.57 U	273000	<28 U	<2.5 U	13.9 J	7.1 J	1290 J	<4.9 U	<44 U	98300	
Shallow	PC-79	No	44	N	02/08/07	2230 J+	<13 U	90 J	56.4	<2.2 U	1080 J	<1.4 U	247000	<70 U	<2.5 U	15.2 J	7.3 J	1740 J+	<12 U	174	87800	
Shallow	PC-79	No	51	N	04/28/08	621 J	<17 U	64.1 J	40.5 J	<6.4 U	<1800 U	<1.1 U	232000	<75 U	<20 U	14.3 J	<41 U	729 J-	<12 U	<96 U	96400	
Shallow	PC-79	No	58	N	08/27/09	332	<0.7 U	89.4 J	32.2	<0.8 U	1230	<0.4 U	282000 J-TDS	5.1 J	<6 U	12.1 J	<5.6 U	3640	<1.8 U	<13 U	112000 J-TDS	
Shallow	PC-79	Yes	58	N	08/27/09	--	--	--	--	--	--	--	286000	--	--	--	--	--	--	--	--	115000
Shallow	PC-80	No	37	N	05/04/06	3900	<5 U	98.5 J	115	<0.88 U	884	<0.57 U	211000	<28 U	<2.5 U	17.3 J	6.6 J	2540 J-	<4.9 U	147	62400	
Shallow	PC-80	No	38	N	08/08/06	9100	<5 U	<20 U	240	<0.88 U	818	<0.57 U	219000	<28 U	<2.5 U	17.3 J	11.3	7410	<4.9 U	165	69300	
Shallow	PC-80	No	42	N	10/25/06	13300 J+	<5 U	98.7 J	301	<0.88 U	852	<0.57 U	223000	<28 U	14	23.3	16.9	10300 J	7 J	<44 U	61700	
Shallow	PC-80	No	44	N	02/05/07	13000	<10 U	81.8 J	314	<1.8 U	760 J	<1.1 U	220000	<56 U	<2.5 U	22.6 J	17.9 J	10700 J-	<9.8 U	160	62800	
Shallow	PC-80	No	51	N	04/29/08	3550 J+	<17 U	85 J	98.4	<3.2 U	877 J	<1.1 U	206000	<75 U	<20 U	13.2 J	<20 U	2700	<12 U	139 J	48600	
Shallow	PC-80	No	58	N	08/27/09	750	<0.7 U	85.4 J	44.2	<0.8 U	898	<0.4 U	191000 J-CAB&TDS	5.1 J	<3 U	12.2 J	<5.6 U	2570	<1.8 U	<13 U	48900 J-CAB&TDS	
Shallow	PC-80	Yes	58	N	08/27/09	--	--	--	--	--	--	--	187000	--	--	--	--	--	--	--	--	52900
Shallow	PC-81	No	37	N	05/05/06	1220	<10 U	138 J	36.1 J	<1.8 U	1360	<1.1 U	174000	<56 U	<2.5 U	7.4 J	8.5 J	774 J-	<9.8 U	266	89900	
Shallow	PC-81	No	38	N	08/08/06	359 J	<10 U	<40 U	21.4 J	<1.8 U	1130	<1.1 U	121000	<56 U	<2.5 U	7.4 J	5.2 J	<190 U	<9.8 U	225	67900	
Shallow	PC-81	No	42	N	10/26/06	<160 U	<10 U	142 J	18.6 J	<1.8 U	1300	<1.1 U	111000	<56 U	<2.5 U	7.3 J	6.1 J	<190 UJ	<9.8 U	<44 U	55700	
Shallow	PC-81	No	44	N	02/08/07	<390 U	<25 U	177 J	28.4 J	<4.4 U	1540 J	<2.9 U	218000	<140 U	<2.5 U	<16 U	<13 U	<470 U	<25 U	292	99900	
Shallow	PC-81	No	51	N	04/29/08	719 J+	<34 U	<97 U	<26 U	<6.4 U	1120 J	<2.1 U	119000	<150 U	<20 U	<12 U	<41 U	<800 U	<25 U	177 J	55800	
Shallow	PC-81	No	58	N	09/01/09	1330	<0.7 U	126	35.1	<0.8 U	1160	<0.4 U	121000 J-T									

TOTAL METALS RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium (Total)	Chromium (VI)	Cobalt	Copper	Iron	Lead	Lithium	Magnesium
						ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	6	10	2000	4	--	5	--	100	100	--	1300	--	15	--	--
					BCL	36500	6	10	2000	4	7300	5	--	100	100	11	1360	25600	15	73	207000
Shallow	PC-81	Yes	58	N	09/01/09	--	--	--	--	--	--	--	121000	--	--	--	--	--	--	--	57000
Shallow	PC-88	No	51	N	04/30/08	2860	< 34 U	< 97 U	57.4 J	< 6.4 U	2030 J-J-CAB	< 2.1 U	250000 J-CAB	< 150 U	< 20 U	< 12 U	< 41 U	1930 J	< 25 U	170 J	113000 J-CAB
Shallow	PC-88	No	58	N	09/01/09	513	< 0.7 U	102	30.6	< 0.8 U	1640	0.41 J	263000 J-TDS	< 5 U	< 3 U	< 0.1 U	< 5.6 U	2350	< 1.8 U	275	109000 J-TDS
Shallow	PC-88	Yes	58	N	09/01/09	--	--	--	--	--	--	--	261000	--	--	--	--	--	--	--	111000
Shallow	PC-90	No	38	N	08/24/06	< 390 U	< 25 U	155 J	23.7 J	< 4.4 U	2960 J-	< 2.9 U	373000	< 140 U	< 2.5 U	< 16 U	15.5 J	< 470 UJ	< 25 U	327	131000
Shallow	PC-90	No	42	N	10/26/06	202 J	< 10 U	141 J	50.3	< 1.8 U	2280	< 1.1 U	476000	< 56 U	< 2.5 U	6.5 J	10.6 J	< 190 UJ	< 9.8 U	349	209000
Shallow	PC-90	No	44	N	02/05/07	2130	< 25 U	< 100 U	89.9 J	< 4.4 U	3000	< 2.9 U	554000	< 140 U	10	< 16 U	16 J	1210 J-	< 25 U	488	272000
Shallow	PC-90	No	51	N	05/01/08	< 500 U	< 34 U	102 J	< 26 U	< 6.4 U	1960 J-J-CAB	< 2.1 U	286000 J-CAB	< 150 U	< 20 U	< 12 U	< 41 U	< 800 U	< 25 U	< 96 U	115000 J-J-CAB
Shallow	PC-90	No	58	N	09/09/09	368	< 0.35 U	119	24.2	< 0.4 U	1720	< 0.2 U	224000 J-TDS	3.4 J	< 3 U	< 0.05 U	3.5 J	1110	< 0.9 U	233 J	92300 J-TDS
Shallow	PC-90	Yes	58	N	09/09/09	--	--	--	--	--	--	--	229000	--	--	--	--	--	--	--	94200
Shallow	PC-94	No	37	N	05/05/06	452	< 5 U	61.4 J	31.6	< 0.88 U	1740	< 0.57 U	487000	< 28 U	19	8.1 J	16.8	--	< 4.9 U	263	206000
Shallow	PC-94	No	38	N	08/07/06	1330	< 5 U	< 20 U	40.4	< 0.88 U	1380	< 0.57 U	431000	< 28 U	9 J	7.8 J	9 J	1180	< 4.9 U	257	183000
Shallow	PC-94	No	42	N	10/27/06	1140	< 5 U	49.8 J	33.2	< 0.88 U	1500	< 0.57 U	422000	< 28 U	15	8.5 J	9 J	403 J-	< 4.9 U	< 44 U	172000
Shallow	PC-94	No	44	N	02/02/07	654	< 10 U	46.8 J	40.6	< 1.8 U	1590	< 1.1 U	410000	< 56 U	32	9.6 J	9.6 J	--	< 9.8 U	237	166000
Shallow	PC-94	No	51	N	04/30/08	614 J	< 34 U	< 97 U	30 J	< 6.4 U	2010 J-	< 2.1 U	478000	< 150 U	24	< 12 U	< 41 U	< 800 U	< 25 U	< 190 U	183000
Shallow	PC-94	No	58	N	09/09/09	1160 J	< 0.35 U	65.5	47.2	< 0.4 U	2760	0.38 J	628000 J-TDS	68.5	59	< 0.05 U	< 2.8 U	3360	< 0.9 U	381	259000 J-TDS
Shallow	PC-94	Yes	58	N	09/09/09	--	--	--	--	--	--	--	641000	--	--	--	--	--	--	--	262000
Shallow	POD2-R	No	37	N	05/08/06	< 83 U	< 5.3 U	40.8 J	10.8 J	< 0.92 U	2380	< 0.6 U	640000	61.5 J	71	< 3.3 U	9.1 J	--	< 5.2 U	198	179000
Shallow	POD2-R	No	38	N	08/03/06	< 79 U	< 5 U	30.8 J	8.7 J	< 0.88 U	2360 J	< 0.57 U	645000	76.9 J	470	< 3.1 U	7.4 J	213 J	< 4.9 U	206	181000
Shallow	POD2-R	No	42	N	10/20/06	< 160 U	< 10 U	< 40 U	9.7 J	< 1.8 U	2710	< 1.1 U	599000	104 J	93	< 6.3 U	9.8 J	--	< 9.8 U	< 44 U	195000
Shallow	POD2-R	No	44	N	01/26/07	< 160 U	< 10 U	87.6 J	9.2 J	< 1.8 U	2350	< 1.1 U	617000	107 J+	92	< 6.3 U	6.4 J	--	< 9.8 U	193	183000
Shallow	POD2-R	No	51	N	04/23/08	< 500 U	< 0.68 U	< 1.9 U	< 0.52 U	< 3.2 U	3690 J-CAB	< 0.042 U	652000 J-CAB	< 3 U	150	< 0.24 U	< 0.81 U	< 16 R	< 0.49 U	< 190 U	211000 J-CAB
Shallow	POD2-R	No	58	N	09/14/09	392	< 0.7 U	62.2 J	15.2 J	< 0.8 U	3430	< 0.4 U	685000 J-TDS	156	150	1.6 J	< 5.6 U	3250	< 1.8 U	241 J	235000 J-TDS
Shallow	POD2-R	Yes	58	N	09/14/09	--	--	--	--	--	--	--	688000	--	--	--	--	--	--	--	233000
Shallow	POD8	No	37	N	04/28/06	< 200 U	0.96 J	46.6	25.6	< 2.2 U	1250 J	0.065 J	353000 J	4.1 J-	24	2.2 J-	4.2 J-	--	< 0.49 U	279	279000
Shallow	POD8	No	38	N	08/02/06	< 39 U	< 2.5 U	47.9 J	23.1	< 0.44 U	1480	< 0.29 U	450000	< 14 U	18 J+	< 1.6 U	< 1.3 U	< 47 U	< 2.5 U	251	265000
Shallow	POD8	No	42	N	10/20/06	< 160 U	< 10 U	46.9 J	22.6 J	< 1.8 U	1810	< 1.1 U	373000	< 56 U	< 2.5 U	< 6.3 U	8.5 J	--	< 9.8 U	< 44 U	258000
Shallow	POD8	No	44	N	01/26/07	< 79 U	< 5 U	83.1 J	19.6 J	< 0.88 U	1560	< 0.57 U	374000	< 28 U	< 2.5 U	< 3.1 U	6.6 J	--	< 4.9 U	238	243000
Shallow	POD8	No	51	N	04/23/08	250 J	< 17 U	< 48 U	29.3 J	< 3.2 U	1810 J-CAB	< 1.1 U	394000 J-CAB	< 75 U	< 20 U	< 6.1 U	< 20 U	< 400 R	< 12 U	< 96 U	262000 J-CAB
Shallow	POD8	No	58	N	09/03/09	325	< 0.35 U	67.8	34.7	< 0.4 U	2020	< 0.2 U	370000 J-TDS	10.1 J	4.69 J	< 0.05 U	< 2.8 U	2320	< 0.9 U	278	225000 J-TDS
Shallow	POD8	Yes	58	N	09/03/09	--	--	--	--	--	--	--	366000	--	--	--	--	--	--	--	223000
Shallow	POU3	No	37	N	04/27/06	< 200 U	< 1 U	91.8	17.8	< 2.2 U	2460 J	0.15 J	451000 J	109 J-	120	0.77 J-	4.9 J-	--	< 0.98 U	174	246000
Shallow	POU3	No	38	N	07/31/06	< 200 U	< 13 U	130 J	30.8 J	< 2.2 U	3840 J-	< 1.4 U	717000	343	210	< 7.8 U	9.7 J	< 240 UJ	< 12 U	187	360000
Shallow	POU3	No	42	N	10/18/06	230 J	< 13 U	97.2 J	38.9 J	< 2.2 U	4170	< 1.4 U	637000	387	300	< 7.8 U	14.2 J	--	< 12 U	< 44 U	380000
Shallow	POU3	No	44	N	01/25/07	< 390 U	< 25 U	108 J	29.1 J	< 4.4 U	4040	< 2.9 U	696000	347 J+	310	< 16 U	24 J	--	< 25 U	159	353000
Shallow	POU3	No	51	N	04/22/08	< 500 U	< 34 U	98.8 J	32.1 J	< 6.4 U	3930	< 2.1 U	719000	373 J+	340	< 12 U	< 41 U	< 800 R	< 25 U	< 190 U	362000
Shallow	POU3	No	58	N	09/22/09	< 36.2 U	< 0.7 U	84.6 J	33	< 0.8 U	4400	< 0.4 U	806000 J-CAB&TDS	462	420	< 0.1 U	< 5.6 U	3340	< 1.8 U	207	378000 J-CAB&TDS
Shallow	POU3	Yes	58	N	09/22/09	--	--	--	--	--	--	--	665000	--	--	--	--	--	--	--	305000
Shallow	WMW5.58SD	No	44	N	02/06/07	8920	< 100 U	< 400 U	255 J	< 18 U	19900	< 11 U	730000	< 560 U	30	< 63 U	335	9630 J-	< 98 U	19600	868000
Shallow	WMW5.58SD	No	51	N	05/16/08	< 20000 U	< 1400 U	< 3900 U	< 1000 U	< 260 U	< 36000 U	< 84 U	383000	< 6000 U	< 20 U	< 490 U	< 1600 U	< 32000 R	< 980 U	14900	1180000
Shallow	WMW5.58SD	No	58	N	09/09/09	211 J	< 0.35 U	7.8 J	44.1	< 0.4 U	9730	0.48 J	473000 J-TDS	7.7 J	42 J	< 0.05 U	2.8 J	2590	1.3 J	24500	1160000 J-TDS
Shallow	WMW5.58SD	No	58	FD	09/09/09	< 18.1 UJ	< 0.35 U	14.1 J	44.5	< 0.4 U	7860	0.53 J	424000 J-CAB	6.2 J	41.5 J	< 0.05 U	3 J	2210	< 0.9 U	19400	908000 J-CAB
Shallow	WMW5.58SD	Yes	58	N	09/09/09	--	--	--	--	--	--	--	488000	--	--	--	--	--	--	--	1200000
Shallow	WMW5.58SD	Yes	58	FD	09/09/09	--	--	--	--	--	--	--	462000	--	--	--	--	--	--	--	1120000
Shallow	WMW5.58SI	No	44	N	02/01/07	< 160 U	< 10 U	< 40 U	21.8 J	< 1.8 U	738 J	< 1.1 U	207000	< 56 U	< 2.5 U	6.9 J	10.4 J	--	< 9.8 U	131	99200
Shallow	WMW5.58SI	No	51	N	05/15/08	369 J+	< 14 UJ	< 39 U	16 J	< 2.6 U	812 J-	< 0.84 UJ	217000	< 60 U	< 20 U	6.3 J	< 16 U	< 320 U	< 9.8 U	108 J	96700
Shallow	WMW5.58SI	No	58	N	09/03/09	< 181 U	< 3.5 U	33 J	20.6 J	< 4 U	791	< 2 U	R-CAB&TDS	< 25 U	< 3 U	< 0.5 U	< 28 U	1480 J	< 9 U	124	R-CAB&TDS
Shallow	WMW5.58SI	Yes	58	N	09/03/09	--	--	--	--	--	--	--	132000	--	--	--	--	--	--	--	56800
Shallow	WMW5.58SS	No	44	N	01/31/07	< 160 U	< 10 U	< 40 U	51.6	< 1.8 U	507 J	< 1.1 U	146000	< 56 U	< 2.5 U	< 6.3 U	5.5 J	--	< 9.8 U	81.8	72300
Shallow	WMW5.58SS	No	51	N	05/15/08	< 200 U	< 14 UJ	< 39 U	51.6	< 2.6 U	569 J-	< 0.84 UJ									

TOTAL METALS RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium (Total)	Chromium (VI)	Cobalt	Copper	Iron	Lead	Lithium	Magnesium
						ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	6	10	2000	4	--	5	--	100	100	--	1300	--	15	--	--
					BCL	36500	6	10	2000	4	7300	5	--	100	100	11	1360	25600	15	73	207000
Middle	COH-2	No	58	N	08/13/09	< 18.1 U	< 0.35 U	33.8 J	14.8	< 0.4 U	11600	0.9 J	560000	6.6 J	< 6 U	< 0.05 U	< 2.8 U	2570	< 0.9 U	24700	740000
Middle	COH-2	Yes	58	N	08/13/09	--	--	--	--	--	--	--	569000	--	--	--	--	--	--	--	7330000
Middle	MCF-02B	No	27	N	07/25/04	< 150 U	< 10 U	< 10 U	602	< 5 U	538	< 5 U	188000	36.2	34 J-	< 50 U	< 50 U	< 100 U	< 3 U	241 J	61.9 J
Middle	MCF-02B	No	37	N	05/05/06	< 79 U	< 5 U	33.1 J	19.5 J	< 0.88 U	903	< 0.57 U	20200	< 28 U	26	< 3.1 U	< 2.5 U	--	< 4.9 U	39.9 J	9230
Middle	MCF-02B	No	38	N	08/21/06	42.7 J	< 2.5 U	34 J	20.1	< 0.88 U	1000	< 0.29 U	23700	21.2 J	16	< 1.6 U	< 2.5 U	< 47 UJ	< 2.5 U	< 8.7 U	9030
Middle	MCF-02B	No	42	N	11/03/06	< 39 U	< 2.5 U	28.6 J	18.9	< 0.44 U	868 J	< 0.29 U	22600	29.5 J	20	< 1.6 U	< 1.3 U	< 47 U	< 2.5 U	< 8.7 U	9790
Middle	MCF-02B	No	44	N	02/20/07	< 79 U	< 5 U	38.5 J	19.7 J	< 0.88 U	918	< 0.57 U	24300	< 28 U	28	< 3.1 U	< 2.5 U	< 94 U	< 4.9 U	39.4 J	11100
Middle	MCF-02B	No	51	N	04/24/08	< 50 U	< 0.68 U	23.9 J	17.3	< 3.2 U	902 J-J-CAB	< 0.042 U	22500 J-CAB	< 3 U	< 20 U	< 0.24 U	< 4.1 U	< 16 R	< 0.49 U	< 9.6 U	9650 J-CAB
Middle	MCF-02B	No	58	N	08/21/09	< 18.1 U	< 0.35 U	35.1 J	22	< 0.4 U	802	< 0.2 U	23900 J-TDS	7.9 J	4.71 J	< 0.05 U	< 2.8 U	88.3 J	< 0.9 U	< 13 U	9010 J-TDS
Middle	MCF-02B	Yes	58	N	08/21/09	--	--	--	--	--	--	--	23000	--	--	--	--	--	--	--	8730
Middle	MCF-05	No	27	N	07/25/04	< 1500 U	< 10 U	< 10 U	386 J	< 5 U	7530	< 5 U	240000	30.5	49	< 500 U	1550	< 100 U	105	52500 J	1230000
Middle	MCF-05	No	37	N	05/17/06	< 3900 U	< 250 U	< 1000 U	< 120 U	< 44 U	< 3300 U	< 29 U	610000	< 1400 U	25	< 160 U	235 J	< 4700 UJ	< 250 U	31500 J	13800000
Middle	MCF-05	No	38	N	08/10/06	< 1600 U	< 100 U	< 400 U	< 49 U	< 18 U	10100	< 11 U	101000	< 560 U	17	< 63 U	145 J	5580 J-	< 98 U	25600	1340000
Middle	MCF-05	No	42	N	11/14/06	< 3900 U	< 250 U	< 1000 UJ	< 120 U	< 44 UJ	14900 J	< 29 U	515000	< 1400 U	< 2.5 U	< 160 U	462 J-	< 4700 U	< 250 U	32700 J	13500000
Middle	MCF-05	No	44	N	01/31/07	< 1600 U	< 100 U	< 400 U	53.6 J	< 18 U	8400 J	< 11 U	214000	< 560 U	< 2.5 U	< 63 U	213	--	489 J	30600	15300000
Middle	MCF-05	No	51	N	04/30/08	< 5000 U	< 340 U	< 970 U	< 260 U	< 64 U	10900 J-	< 21 U	330000	< 1500 U	< 20 U	< 120 U	< 410 U	17900 J	< 250 U	14000 J	13900000
Middle	MCF-05	No	58	N	08/28/09	902 J	< 7 U	< 21 U	59.1 J	< 8 U	8130	< 4 U	470000 J-TDS	62.8 J	< 3 U	< 1 U	< 56 U	2750 J	< 18 U	28800	15300000 J-TDS
Middle	MCF-05	Yes	58	N	08/28/09	--	--	--	--	--	--	--	468000	--	--	--	--	--	--	--	15000000
Middle	MCF-08B-R	No	58	N	08/21/09	< 18.1 U	< 0.35 U	13.8 J	17.5	< 0.4 U	7030	1.3 J	509000 J-TDS	< 2.5 U	< 15 U	< 0.05 U	< 2.8 U	3120	< 0.9 U	12400	1890000 J-TDS
Middle	MCF-08B-R	No	58	FD	08/21/09	< 18.1 U	< 0.35 U	10.8 J	22.4	< 0.4 U	6840	0.96 J	507000	< 2.5 U	< 15 U	< 0.05 U	< 2.8 U	3170	< 0.9 U	11700	1800000
Middle	MCF-08B-R	Yes	58	N	08/21/09	--	--	--	--	--	--	--	496000	--	--	--	--	--	--	--	1720000
Middle	MCF-08B-R	Yes	58	FD	08/21/09	--	--	--	--	--	--	--	511000	--	--	--	--	--	--	--	1780000
Middle	MCF-09B	No	27	N	07/20/04	< 30 U	< 50 U	28.2 J	19.3 J	6.8 J	1890 J	< 25 U	391000	< 50 U	< 10 U	1.7 J	29.4	< 100 U	< 25 U	440	85600
Middle	MCF-09B	No	37	N	05/03/06	86.2 J	< 5 U	25 J	14.4 J	< 0.88 U	1990	< 0.57 U	451000	< 28 U	< 2.5 U	< 3.1 U	6.2 J	--	< 4.9 U	436	136000
Middle	MCF-09B	No	38	N	08/04/06	< 39 U	< 2.5 U	14.6 J	11.3	< 0.44 U	2010	< 0.29 U	460000	< 14 U	11	< 1.6 U	5.9	235 J	< 2.5 U	425	115000
Middle	MCF-09B	No	42	N	10/25/06	< 79 U	< 5 U	< 20 U	13.3 J	< 0.88 U	1880	< 0.57 U	424000	< 28 U	12	< 3.1 U	7.1 J	< 94 UJ	< 4.9 U	346	123000
Middle	MCF-09B	No	44	N	02/12/07	< 160 U	< 10 U	< 40 U	11.4 J	< 1.8 U	2020	< 1.1 U	424000	< 56 U	12	< 6.3 U	6.1 J+	< 190 U	< 9.8 U	415	125000
Middle	MCF-09B	No	51	N	04/25/08	< 250 U	< 17 U	< 48 U	< 13 U	< 3.2 U	1990 J-CAB	< 1.1 U	429000 J-CAB	< 75 U	< 20 U	< 6.1 U	< 20 U	< 400 R	< 12 U	< 190 U	132000 J-CAB
Middle	MCF-09B	No	58	N	08/17/09	< 18.1 U	< 0.35 U	27.8 J	11.2	< 0.4 U	1960 J+	< 0.2 U	445000 J-TDS	< 2.5 U	< 3 U	0.42 J	< 2.8 U	1750	< 0.9 U	437	123000 J+-TDS
Middle	MCF-09B	No	58	FD	08/17/09	< 18.1 U	< 0.35 U	27.9 J	10.9	< 0.4 U	1900 J+	< 0.2 U	431000 J-TDS	< 2.5 U	< 3 U	0.38 J	< 2.8 U	1810	< 0.9 U	420	118000 J+-TDS
Middle	MCF-09B	Yes	58	N	08/17/09	--	--	--	--	--	--	--	438000	--	--	--	--	--	--	--	121000
Middle	MCF-09B	Yes	58	FD	08/17/09	--	--	--	--	--	--	--	445000	--	--	--	--	--	--	--	123000
Middle	MCF-10B	No	27	N	07/21/04	< 30 U	< 50 U	< 50 U	240	3.5 J	< 2500 U	< 25 U	507000	50.4	75	3.7 J	40.3	< 100 U	< 25 U	285	< 500 U
Middle	MCF-10B	No	37	N	05/18/06	< 39 U	< 2.5 U	10.8 J	24.4	< 0.44 U	1160	< 0.29 U	270000	< 14 U	< 2.5 U	< 1.6 U	4.1 J	< 47 U	< 2.5 U	432 J	86100
Middle	MCF-10B	No	38	N	08/15/06	< 79 U	< 5 U	< 20 U	30.8	< 0.88 U	906	< 0.57 U	267000	< 28 U	3 J	< 3.1 U	4.9 J	309 J	< 4.9 U	430	85100
Middle	MCF-10B	No	42	N	11/10/06	< 79 U	< 5 U	< 20 U	25.2	< 0.88 U	1070 J-	< 0.57 U	262000	< 28 U	< 2.5 U	< 3.1 U	4.7 J	--	< 4.9 U	434	79000
Middle	MCF-10B	No	44	N	02/27/07	< 79 U	< 5 U	< 20 U	24.7	< 0.88 U	1170	< 0.57 U	287000	< 28 U	< 2.5 UJ	< 3.1 U	3.1 J	< 94 UJ	< 4.9 U	419	91300 J
Middle	MCF-10B	No	51	N	05/08/08	< 200 U	< 14 U	< 39 U	22 J	< 2.6 U	1270	< 0.84 U	245000	< 60 R	< 20 U	< 4.9 U	< 16 U	< 320 R	< 9.8 U	259 J	90800
Middle	MCF-10B	No	58	N	08/18/09	< 18.1 U	< 0.35 U	18.4 J	19.2	< 0.4 U	1170 J+	< 0.2 U	253000	< 2.5 U	< 3 U	0.22 J	< 2.8 U	1010	< 0.9 U	461	102000 J+
Middle	MCF-10B	Yes	58	N	08/18/09	--	--	--	--	--	--	--	254000	--	--	--	--	--	--	--	104000
Middle	MCF-11	No	27	N	07/27/04	< 150 U	< 10 U	24.8	13.1 J	< 5 U	1390	< 5 U	348000	< 10 U	< 10 U	1.7 J	50.7	< 100 U	< 3 U	621	101000
Middle	MCF-11	No	37	N	05/16/06	< 79 U	< 5 U	< 20 U	13 J	< 0.88 U	1870	< 0.57 U	372000	< 28 U	< 2.5 U	< 3.1 U	6.5 J	< 94 UJ	< 4.9 U	636 J	115000
Middle	MCF-11	No	38	N	08/18/06	< 79 U	< 5 U	< 20 U	12.9 J	< 1.8 U	1560	< 0.57 U	396000	< 28 U	< 2.5 U	< 3.1 U	6.4 J	117 J	< 4.9 U	633	130000
Middle	MCF-11	No	42	N	10/27/06	< 160 U	< 10 U	< 40 U	12.9 J	< 1.8 U	1840	< 1.1 U	416000	< 56 U	< 2.5 U	< 6.3 U	6.5 J	< 190 UJ	< 9.8 U	567	127000
Middle	MCF-11	No	44	N	02/23/07	< 160 U	< 10 U	< 40 U	15.2 J	< 1.8 U	1810	< 1.1 U	426000	< 56 U	< 2.5 U	< 6.3 U	< 5 U	< 190 UJ	< 9.8 U	614	131000 J
Middle	MCF-11	No	51	N	05/07/08	< 250 U	< 17 U	< 48 U	< 13 U	< 3.2 U	1870 J-CAB	< 1.1 U	401000 J-CAB	< 75 U	< 20 U	< 6.1 U	< 20 U	< 400 U	< 12 U	477 J+	121000 J-CAB
Middle	MCF-11	No	58	N	08/17/09	< 18.1 U	< 0.35 U	1.3 J	12.3	< 0.4 U	1810 J+	< 0.2 U	425000 J-TDS	< 2.5 U	< 3 U	0.34 J	< 2.8 U	1940	< 0.9 U	629	129000 J-TDS
Middle	MCF-11	Yes	58	N	08/17/09	--	--	--	--	--	--	--	411000	--	--	--	--	--	--	--	124000 J+
Middle	MCF-12C	No	27	N	07/21/04	< 30 U	< 50 U	67.1	22	3.8 J	1020 J	< 25 U	242000								

TOTAL METALS RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium (Total)	Chromium (VI)	Cobalt	Copper	Iron	Lead	Lithium	Magnesium
						ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	6	10	2000	4	--	5	--	100	100	--	1300	--	15	--	--
					BCL	36500	6	10	2000	4	7300	5	--	100	100	11	1360	25600	15	73	207000
Deep	MCF-07	Yes	58	N	09/11/09	--	--	--	--	--	--	--	R	--	--	--	--	--	--	--	R
Deep	MCF-08A	No	27	N	07/18/04	1040 J-	< 50 U	41.2 J	32.7 J+	< 25 U	10000	< 25 U	820000	8.6	< 10 UJ-	9.1 J-	175 J-	109 J-	84.5	20000 J	1740000
Deep	MCF-08A	No	37	N	06/07/06	< 3100 U	< 200 U	< 800 U	< 99 U	< 44 U	27700	--	319000	< 1100 U	< 2.5 U	< 130 U	< 100 U	< 3800 U	--	41500	6310000
Deep	MCF-08A	No	38	N	08/23/06	< 39000 U	< 2500 U	< 10000 U	< 1200 U	< 180 U	110000 J	< 290 U	445000	< 14000 U	33	< 630 U	< 500 U	< 47000 U	< 2500 U	45100 J	6740000 J
Deep	MCF-08A	No	42	N	11/10/06	< 79 U	< 5 U	< 20 U	29.2	< 0.88 U	21000 J-	0.92 J	554000	< 28 U	< 2.5 U	10.3 J	53.9	< 94 UJ	< 4.9 U	48100	7050000
Deep	MCF-08A	No	44	N	02/08/07	< 3900 U	< 250 U	< 1000 U	< 120 U	< 44 U	21600 J	< 29 U	701000	< 1400 U	< 2.5 U	< 160 U	< 130 U	< 4700 U	< 250 U	42500	6650000
Deep	MCF-08A	No	51	N	05/06/08	< 20000 U	< 1400 U	< 3900 U	< 1000 U	< 260 U	< 36000 U	< 84 U	595000 JJ-CAB	< 6000 U	< 20 U	< 490 U	< 1600 U	< 32000 U	< 980 U	32600 J+	6220000 JJ-CAB
Deep	MCF-08A	No	58	N	08/31/09	< 36.2 U	< 0.7 U	54 J	31	< 8 U	18400	1.1 J	608000 J-CAB&TDS	10.3 J	< 3 U	< 0.1 U	6.9 J	5100	< 1.8 U	37400	5650000 J-CAB&TDS
Deep	MCF-08A	Yes	58	N	08/31/09	--	--	--	--	--	--	--	667000	--	--	--	--	--	--	--	6740000
Deep	MCF-09A	No	27	N	07/19/04	< 750 U	< 50 U	< 50 U	31.7 J	7.9 J	8200	< 25 U	427000	< 50 U	< 10 U	4.9 J	173	< 100 U	14.9 J	12500	1800000
Deep	MCF-09A	No	37	N	05/16/06	< 790 U	< 50 U	< 200 U	< 25 U	< 8.8 U	12400	< 5.7 U	506000	< 280 U	< 2.5 U	< 31 U	46.8 J	< 940 UJ	< 49 U	12500 J	1880000
Deep	MCF-09A	No	38	N	08/10/06	< 1600 U	< 100 U	< 400 U	< 49 U	< 18 U	13200	< 11 U	516000	< 560 U	< 2.5 U	< 63 U	< 50 U	< 1900 UJ	< 98 U	10800	2050000
Deep	MCF-09A	No	42	N	10/24/06	< 1600 U	< 100 U	< 400 U	< 49 U	< 18 U	12300	< 11 U	499000	< 560 U	< 2.5 U	< 63 U	66.4 J	--	< 98 U	8860	2010000
Deep	MCF-09A	No	44	N	02/12/07	< 3900 U	< 250 U	< 1000 U	< 120 U	< 44 U	12900 J	< 29 U	489000	< 1400 U	21	< 160 U	< 130 U	< 4700 U	< 250 U	9660	1910000
Deep	MCF-09A	No	51	N	04/28/08	< 990 U	< 17 U	< 48 U	18.9 J	< 13 U	10900 J	3.1 J	472000	< 75 U	< 20 U	< 6.1 U	< 81 U	1120 J-	< 12 U	7970	2170000
Deep	MCF-09A	No	58	N	08/17/09	40.6 J	< 0.35 U	32.6 J	18.3	< 0.4 U	10900 J+	2 J	488000 J-CAB&TDS	< 2.5 U	< 3 U	0.47 J	< 2.8 U	2190	< 0.9 U	9000	1880000 J+,J-CAB&TDS
Deep	MCF-09A	Yes	58	N	08/17/09	--	--	--	--	--	--	--	500000	--	--	--	--	--	--	--	1930000
Deep	MCF-10A	No	27	N	07/21/04	< 30 U	< 50 U	< 50 U	36.8	< 25 U	3560	< 25 U	529000	38.3 J	38	3.6 J	65.7	83.9 J	5.5	1890	154000
Deep	MCF-10A	No	37	N	05/31/06	< 200 U	< 13 U	< 50 U	24.4 J	< 4.4 U	7330 J+	< 1.4 U	620000	< 70 U	< 2.5 U	< 7.8 U	11.7 J	--	< 12 U	2800	244000
Deep	MCF-10A	No	38	N	08/21/06	< 200 U	< 13 U	< 50 U	20.3 J	< 4.4 U	5110	< 1.4 U	559000	< 70 U	< 2.5 U	< 7.8 U	< 13 U	< 240 UJ	< 12 U	2860	245000
Deep	MCF-10A	No	42	N	11/14/06	< 390 U	< 25 U	< 100 UJ	< 12 U	< 4.4 UJ	5760	< 2.9 U	540000	< 140 U	< 2.5 U	< 16 U	48.7 J-	< 470 U	< 25 U	2500 J	246000
Deep	MCF-10A	No	44	N	02/16/07	< 160 U	60.3 J	< 40 U	77.2 J	< 4.4 U	6340	56.9 J+	604000	< 56 U	15	61.5 J+	61.9 J+	< 190 U	57.7 J	2890	265000
Deep	MCF-10A	No	51	N	05/23/08	< 790 U	< 54 UJ	< 150 U	< 42 U	< 10 U	5450 J-,J-CAB	< 3.4 UJ	522000 J-CAB	< 240 U	< 20 U	< 20 U	< 65 U	< 1300 U	< 39 U	2610	244000 J-CAB
Deep	MCF-10A	No	58	N	08/31/09	76.8 J	< 0.7 U	26 J	20.8	< 0.8 U	5740	0.43 J	R-CAB&TDS	< 5 U	< 6 U	< 0.1 U	< 5.6 U	4280	< 1.8 U	2810	R-CAB&TDS
Deep	MCF-10A	Yes	58	N	08/31/09	--	--	--	--	--	--	--	535000	--	--	--	--	--	--	--	241000
Deep	MCF-12A	No	27	N	07/22/04	80.1	< 10 U	25.3	503 J-	< 5 U	2010	< 5 U	465000	9.9 J	16	3.7 J	116 J-	< 100 U	4.3	1570 J+	159000
Deep	MCF-12A	No	37	N	05/18/06	< 160 U	< 10 U	47.9 J	17.1 J	< 1.8 U	2880	< 1.1 U	514000	< 56 U	< 2.5 U	< 6.3 U	8.5 J	< 190 U	< 9.8 U	1310 J	206000
Deep	MCF-12A	No	38	N	08/10/06	< 160 U	< 10 U	42.7 J	19.8 J	< 1.8 U	3130	< 1.1 U	548000	< 56 U	< 2.5 U	< 6.3 U	9.4 J	434 J-	< 9.8 U	1370	217000
Deep	MCF-12A	No	42	N	11/10/06	< 79 U	< 5 U	32.4 J	18.8 J	< 0.88 U	2670 J-	< 0.57 U	501000	< 28 U	< 2.5 U	< 3.1 U	10.9	--	< 4.9 U	1210	194000
Deep	MCF-12A	No	44	N	02/23/07	< 390 U	< 25 U	< 100 U	19.6 J	< 4.4 U	2940	< 2.9 U	585000	< 140 U	< 2.5 U	< 16 U	< 13 U	< 470 UJ	< 25 U	1290	222000 J
Deep	MCF-12A	No	51	N	05/08/08	< 990 U	< 68 U	< 190 U	< 52 U	< 13 U	2870 JJ-CAB	< 4.2 U	498000 J-CAB	< 300 R	< 20 U	< 24 U	< 81 U	< 1600 R	< 49 U	853 J	1870000 J-CAB
Deep	MCF-12A	No	58	N	08/27/09	< 36.2 U	< 0.7 U	32.9 J	21.1	< 0.8 U	2970	< 0.4 U	518000	< 5 U	< 15 U	1.3 J	< 5.6 U	5640	< 1.8 U	1320	204000
Deep	MCF-12A	Yes	58	N	08/27/09	--	--	--	--	--	--	--	500000	--	--	--	--	--	--	--	198000
Deep	MCF-16A	No	27	N	07/23/04	< 30 U	< 10 U	3.6 J	122 J	4 J	141	< 5 U	319000	< 10 U	< 10 U	13.8	705	< 100 U	24.4	14500	110000
Deep	MCF-16A	No	37	N	05/18/06	< 3900 U	< 250 U	< 1000 U	< 120 U	< 44 U	12100 J	< 29 U	574000	< 1400 U	14	< 160 U	152 J	< 4700 U	< 250 U	10000 J	7990000
Deep	MCF-16A	No	38	N	08/21/06	< 790 U	< 50 U	< 200 U	55.8 J	< 44 U	10900	< 5.7 U	562000	< 280 U	15	< 31 U	160 J	2850 J	< 49 U	9730	8120000
Deep	MCF-16A	No	42	N	11/06/06	< 1600 U	< 100 U	< 400 U	75.9 J	< 18 U	10800	< 11 U	610000	< 560 U	44	< 63 U	135 J	2740 J	< 98 U	< 870 U	8830000
Deep	MCF-16A	No	44	N	02/16/07	< 1600 U	< 100 U	< 400 U	54.9 J	< 88 U	11300	< 11 U	579000	< 560 U	20	< 63 U	122 J+	< 1900 U	< 98 U	10300	8930000
Deep	MCF-16A	No	51	N	05/19/08	< 2000 U	< 140 U	< 390 U	< 100 U	< 26 U	8720 JJ-CAB	< 8.4 U	429000 JJ-CAB	< 600 U	< 20 U	< 49 U	< 160 U	< 3200 U	< 98 U	5580 J	6390000 J-CAB
Deep	MCF-16A	No	58	N	10/05/09	< 72.4 UJ	< 1.4 U	31 J	60.2	< 1.6 U	10600	3.5 J-	514000 J-CAB&TDS	< 10 U	< 0.75 U	1.1 J	< 11.2 UJ	3690	< 3.6 UJ	11500	8640000 J-CAB&TDS
Deep	MCF-16A	Yes	58	N	10/05/09	--	--	--	--	--	--	--	497000	--	--	--	--	--	--	--	8280000
Deep	MCF-17A	No	51	N	07/21/08	< 5000 U	< 340 U	< 970 U	< 260 U	< 64 U	< 9000 U	< 21 R	846000	< 1500 U	< 20 U	< 120 U	< 410 U	< 8000 U	< 250 U	21900	3320000
Deep	MCF-17A	No	58	N	09/29/09	< 145 U	< 2.8 U	15.9 J-	22.8 J	< 3.2 UJ	14700	< 1.6 UJ	697000	< 20 UJ	< 1.5 U	< 0.4 UJ	< 22.4 UJ	4260	< 7.2 UJ	25300	3040000
Deep	MCF-17A	No	58	FD	09/29/09	< 145 U	< 2.8 U	15.8 J-	23.5 J	< 3.2 UJ	14300	< 1.6 UJ	666000	< 20 UJ	< 1.5 U	< 0.4 UJ	< 22.4 UJ	4260	< 7.2 UJ	24700	2930000
Deep	MCF-17A	Yes	58	N	09/29/09	--	--	--	--	--	--	--	684000	--	--	--	--	--	--	--	2960000
Deep	MCF-17A	Yes	58	FD	09/29/09	--	--	--	--	--	--	--	693000	--	--	--	--	--	--	--	3030000
Deep	MCF-18A	No	51	N	07/18/08	< 5000 U	< 340 U	< 970 U	< 520 U	< 64 U	25000 U,J-CAB	< 21 R	3120000 J-CAB	< 1500 U	< 20 U	< 120 U	< 410 U	< 8000 U	< 250 U	59800	2700000 J-CAB
Deep	MCF-18A	No	58	N	09/21/09	< 36.2 U	< 0.7 U	44.6 J	138	< 0.8 U	10100	0.54 J	26								

TOTAL METALS RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Calcium	Chromium (Total)	Chromium (VI)	Cobalt	Copper	Iron	Lead	Lithium	Magnesium
						ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	6	10	2000	4	--	5	--	100	100	--	1300	--	15	--	--
					BCL	36500	6	10	2000	4	7300	5	--	100	100	11	1360	25600	15	73	207000
Deep	MCF-20A	Yes	58	N	09/03/09	--	--	--	--	--	--	--	393000	--	--	--	--	--	--	--	1230000
Deep	MCF-21A	No	51	N	07/23/08	< 9900 U	< 680 U	< 1900 U	< 260 U	< 130 U	< 18000 U	< 42 U	127000	< 3000 U	28 J-	< 240 U	< 810 U	< 16000 U	< 490 U	23900 J	1280000
Deep	MCF-21A	No	58	N	08/25/09	57.6 J	< 0.7 U	6.9 J	37.9	< 0.8 U	12700	0.59 J	574000 J-TDS	6.7 J	< 30 U	1.2 J	< 5.6 U	7300	< 1.8 U	24100	12700000 J-TDS
Deep	MCF-21A	Yes	58	N	08/25/09	--	--	--	--	--	--	--	548000	--	--	--	--	--	--	--	12100000
Deep	MCF-22A	No	51	N	07/23/08	< 99 U	< 6.8 U	< 19 U	25.3	< 1.3 U	1540	< 0.42 U	542000	< 30 U	--	< 2.4 U	< 8.1 U	< 160 U	< 4.9 U	634 J	109000
Deep	MCF-22A	No	58	N	10/09/09	< 7.2 U	< 0.14 U	2.4 J	26.4	< 0.16 U	1650	< 0.08 U	R-CAB&TDS	< 1 U	--	0.47 J	< 1.1 U	2060	< 0.36 U	564	R-CAB&TDS
Deep	MCF-22A	Yes	58	N	10/09/09	--	--	--	--	--	--	--	536000	--	--	--	--	--	--	--	112000
Deep	MCF-23A	No	51	N	07/21/08	< 5000 U	< 340 U	< 970 U	< 260 U	< 64 U	< 9000 U	< 21 UJ	616000	< 1500 U	< 20 UJ	< 120 U	< 410 U	8710 J	< 250 U	27600	7700000
Deep	MCF-23A	No	58	N	10/05/09	< 72.4 U	< 1.4 U	14.8 J	24.5 J	< 1.6 U	14600	4.2 J-	512000 J-CAB&TDS	< 10 U	< 1.5 U	1.1 J	< 11.2 U	8540	< 3.6 UJ	26300	7400000 J-CAB&TDS
Deep	MCF-23A	Yes	58	N	10/05/09	--	--	--	--	--	--	--	488000	--	--	--	--	--	--	--	7160000
Deep	MCF-24A	No	51	N	07/28/08	< 5000 U	< 340 U	< 970 U	< 260 R	< 130 U	20700 J-J-CAB	< 21 UJ	100000 J-CAB	< 1500 U	< 20 UJ	< 120 U	< 810 U	14100 J	< 250 U	< 4800 U	16600000 J-CAB
Deep	MCF-24A	No	58	N	08/28/09	46.8 J	< 0.7 U	21.4 J	49.2	< 0.8 U	10100	3.6 J	512000 J-TDS	6 J	< 15 U	< 0.1 U	< 5.6 U	3350	< 1.8 U	20200	12200000 J-TDS
Deep	MCF-24A	Yes	58	N	08/28/09	--	--	--	--	--	--	--	505000	--	--	--	--	--	--	--	12300000
Deep	MCF-25A	No	51	N	07/28/08	< 200 U	< 14 U	< 39 U	23.2 J-	< 6.4 U	5490	< 0.84 R	507000	< 60 U	< 20 UJ	< 4.9 U	< 41 U	717 J	< 9.8 U	1870	179000
Deep	MCF-25A	No	58	N	08/28/09	231 J	< 0.7 U	3.1 J	22.8	< 0.8 U	5030	< 0.4 U	470000 J-TDS	< 5 U	< 3 U	< 0.1 U	< 5.6 U	1980	< 1.8 U	1940	157000 J-TDS
Deep	MCF-25A	Yes	58	N	08/28/09	--	--	--	--	--	--	--	470000	--	--	--	--	--	--	--	160000
Deep	MCF-27	No	27	N	07/26/04	< 30 U	< 10 U	< 10 U	219 J	< 5 U	689	< 5 U	119000	66.7	71	0.75 J	16.1	< 100 U	< 3 U	219	< 500 U
Deep	MCF-27	No	37	N	05/19/06	< 39 U	< 2.5 U	15.5 J+	16.2 J-	< 0.44 U	768	< 0.29 U	61300	56.2	57	< 1.6 U	2.5 J-	< 47 U	< 2.5 U	89.3	21400
Deep	MCF-27	No	38	N	08/02/06	< 39 U	< 2.5 U	< 10 U	14.6	< 0.44 U	642	< 0.29 U	76500	41.3 J	80 J+	< 1.6 U	1.3 J	< 47 U	< 2.5 U	< 8.7 U	22600
Deep	MCF-27	No	42	N	10/20/06	< 160 U	< 10 U	< 40 U	16.9 J	< 1.8 U	875 J	< 1.1 U	66200	72 J	52	< 6.3 U	< 5 U	--	< 9.8 U	< 44 U	23800
Deep	MCF-27	No	44	N	02/20/07	< 79 U	6.9 J	< 20 U	23.6	< 0.88 U	841	6.3 J+	67500	61 J+	50	7.1 J+	6.7 J+	< 94 U	6.6 J	84.2	24800
Deep	MCF-27	No	51	N	05/19/08	< 200 U	< 14 U	< 39 U	17.3 J	< 2.6 U	760 J	< 0.84 U	68700 J	73.4 J	40	< 4.9 U	< 16 U	< 320 U	< 9.8 U	< 48 U	25000
Deep	MCF-27	No	58	N	09/14/09	< 36.2 U	< 0.7 U	12.5 J	18.2 J	< 0.8 U	735	< 0.4 U	R-CAB&TDS	44 J	34	< 0.1 U	< 5.6 U	< 47.7 U	< 1.8 U	108 J	R-CAB&TDS
Deep	MCF-27	Yes	58	N	09/14/09	--	--	--	--	--	--	--	68400	--	--	--	--	--	--	--	21300
Deep	MCF-28A	No	58	N	09/29/09	< 362 U	< 7 U	55.2 J-	84.4 J	< 8 UJ	12800	< 4 UJ	1590000 J-CAB	< 50 UJ	< 1.5 U	< 1 UJ	< 56 UJ	6760	< 18 UJ	74700	3850000 J-CAB
Deep	MCF-28A	Yes	58	N	09/29/09	--	--	--	--	--	--	--	1460000	--	--	--	--	--	--	--	3770000
Deep	MCF-29A	No	58	N	09/29/09	< 362 U	< 7 U	< 21 UJ	61.1 J	< 8 UJ	7680	< 4 UJ	542000	< 50 UJ	< 1.5 U	< 1 UJ	< 56 UJ	< 477 U	< 18 UJ	45300	7850000
Deep	MCF-29A	Yes	58	N	09/29/09	--	--	--	--	--	--	--	534000	--	--	--	--	--	--	--	7660000
Deep	MCF-30A	No	58	N	10/05/09	< 181 U	< 3.5 U	42.6 J	41.3 J	< 4 U	15700	< 2 UJ	571000 J-CAB&TDS	< 25 U	< 1.5 U	1.2 J	< 28 U	3760	< 9 UJ	62000	8700000 J-CAB&TDS
Deep	MCF-30A	Yes	58	N	10/05/09	--	--	--	--	--	--	--	560000	--	--	--	--	--	--	--	8640000
Deep	MCF-31A	No	58	N	09/29/09	< 362 U	< 7 U	42.2 J-	55.8 J	< 8 UJ	18500	< 4 UJ	442000 J-TDS	< 50 UJ	< 1.5 U	< 1 UJ	< 56 UJ	< 477 U	< 18 UJ	51200	14000000 J-TDS
Deep	MCF-31A	Yes	58	N	09/29/09	--	--	--	--	--	--	--	453000	--	--	--	--	--	--	--	14100000

-- = no sample data.

TOTAL METALS RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
 (Page 12 of 22)

Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	2	--	--	--	50	--	--	--	2	--	--	--	30	--	--
					BCL	510	10.95	180	730	--	50	180	--	21900	2	21900	146000	270	30	180	11000
Shallow	AA-01	No	27	N	07/15/04	2.6 J	< 0.2 U	17.7	15.6	5100	< 5 U	< 10 U	314000	12000	< 10 U	< 10 U	21.6	< 5 U	62.1	11	< 20 U
Shallow	AA-01	No	37	N	04/26/06	< 0.34 UJ	< 0.093 U	16.1	11.3 J-	6720	< 1 U	< 0.2 U	375000	10100 J	< 0.32 U	0.26 J	5.1	1.6 J	54.8 J	20.5	64.3 J
Shallow	AA-01	No	38	N	08/01/06	< 1.7 U	< 0.093 U	16.7 J	17.3 J	6930	< 5 U	< 1 U	378000	13200 J	< 1.6 U	< 1 U	6.2 J	< 2.5 U	81.3	< 8 U	< 20 U
Shallow	AA-01	No	42	N	10/18/06	< 6.8 U	< 0.093 U	16.1 J	15.4 J	6780	< 20 U	< 4.1 U	362000	13400	< 6.4 U	< 4 U	< 7.8 U	< 10 U	72.3	< 32 U	< 20 UJ
Shallow	AA-01	No	44	N	01/25/07	< 3.4 U	< 0.093 U	15.3 J	11.7 J	6640	< 10 U	< 2 U	351000	13500	< 3.2 U	< 2 U	5.1 J	< 10 U	68.5	29.4 J	< 10 U
Shallow	AA-01	No	51	N	04/22/08	< 30 U	< 0.093 U	< 22 U	< 24 U	7020	< 24 U	< 10 U	377000	12800	< 6.8 U	< 34 U	< 51 U	< 76 U	56.6	< 100 J	< 200 U
Shallow	AA-01	No	58	N	08/07/09	0.58 J	0.067 J	19	4.8 J	7210	4.3 J	< 0.015 U	364000	11500	< 0.02 U	< 0.17 U	6.3 J	< 0.022 U	48.1	37	< 2 U
Shallow	AA-01	Yes	58	N	08/07/09	--	--	--	--	7380	--	--	376000	--	--	--	--	--	--	--	--
Shallow	AA-07	No	27	N	07/24/04	< 5 U	< 0.2 U	33.9 J	13.4 J	34200 J	< 5 U	< 10 UJ+	198000	12500	< 10 U	< 50 U	22.8 J	< 25 UJ+	11.8 J	36.2 J	< 20 U
Shallow	AA-07	No	37	N	06/06/06	2.6 J	< 0.093 U	27.7	5.4 J	42000	11.2 J	< 1 U	198000	12800	3.9 J	1.2 J	6.4 J	22.6	27 J	21.9 J	21.9 J
Shallow	AA-07	No	38	N	08/16/06	< 3.4 U	< 0.093 U	26.8 J	8.4 J+	42400	< 10 U	< 2 U	200000	13000	< 3.2 U	< 2 U	6.8 J+	< 5 U	18.8	< 16 U	< 10 U
Shallow	AA-07	No	42	N	11/03/06	< 1.7 U	< 0.093 U	29.3	7.5 J	46300	5.4 J	< 1 U	216000	14200	< 1.6 U	< 1 U	4.5 J	< 2.5 U	21	29.7 J	33.5 J
Shallow	AA-07	No	44	N	02/26/07	< 3.4 U	< 0.093 U	27 J	< 5.2 U	45500 J	< 10 U	< 2 U	224000 J	13400	< 3.2 U	< 2 U	< 3.9 U	< 5 U	19	31.3 J	< 10 U
Shallow	AA-07	No	51	N	04/21/08	< 6 U	< 0.093 U	26.4 J	6 J	39800	7.4 J	< 2 U	199000	13000	< 1.4 U	< 6.8 U	< 10 U	< 15 U	19.1	< 21 U	< 40 UJ
Shallow	AA-07	No	58	N	08/10/09	< 0.31 U	< 0.027 U	25.4	1.6 J	42100 J-TDS	5.9	0.026 J	224000 J-TDS	12900	< 0.02 U	< 0.17 U	4 J	< 0.022 U	18.8	33.7	< 2 U
Shallow	AA-07	Yes	58	N	08/10/09	--	--	--	--	42300	--	--	226000	--	--	--	--	--	--	--	--
Shallow	AA-08	No	27	N	07/19/04	941	< 0.2 U	18.9	16.8	20400	17.3 J	< 50 U	700000	9350	19.9 J	< 10 U	27.2 J	< 5 U	26.3	1.8 J	< 100 U
Shallow	AA-08	No	37	N	05/25/06	1040	< 0.093 U	22.3 J	16.3 J	30600	14.7 J	< 2 U	659000	9670 J	< 3.2 U	< 2 U	9.7 J	< 5 U	28.1	< 16 U	< 20 U
Shallow	AA-08	No	38	N	08/14/06	1130	< 0.093 U	26 J	18.7 J	31900	11.5 J	< 2 U	688000	10300	< 3.2 U	< 2 U	10.8 J	< 5 U	31.5	< 16 U	27.6 J
Shallow	AA-08	No	42	N	11/01/06	1170	< 0.093 U	28.8 J	19.2 J	32400	< 25 U	< 5.1 U	666000	10600	< 8 U	< 5 U	< 9.8 U	13.8 J	31.8	< 40 U	178 J
Shallow	AA-08	No	44	N	02/08/07	1070	< 0.093 U	23.1 J	19.7 J	31400	< 25 U	< 5.1 U	630000	10900 J+	< 8 U	< 5 U	< 9.8 U	< 13 U	29.4	< 40 U	< 25 U
Shallow	AA-08	No	51	N	05/16/08	756	< 0.061 U	< 18 U	< 19 U	27900 J-CAB	< 19 U	< 8.1 U	601000 J-CAB	8260	< 5.4 U	< 27 U	< 40 U	< 60 U	24.9 J	< 84 UJ	< 160 U
Shallow	AA-08	No	58	N	08/14/09	656	< 0.027 U	20	6.4	32900 J-TDS	19.9	< 0.015 U	657000 J-TDS	10300	< 0.02 U	< 0.17 U	3	< 0.022 U	27.3	17.2	< 2 U
Shallow	AA-08	Yes	58	N	08/14/09	--	--	--	--	31600	--	--	633000	--	--	--	--	--	--	--	--
Shallow	AA-09	No	27	N	07/20/04	< 10 U	< 0.2 U	57.6	23.4	8220	20 J	< 50 U	332000	10800	< 50 U	< 10 U	< 100 U	< 5 U	46.3	8 J	41.2 J
Shallow	AA-09	No	37	N	05/01/06	< 6.8 U	< 0.093 U	77.5 J	21.5 J	17300	27.1 J	< 4.1 U	764000	11300	< 6.4 U	< 4 U	< 7.8 U	< 10 U	35.4	< 32 U	20.4 J
Shallow	AA-09	No	38	N	08/11/06	< 6.8 U	< 0.093 U	75 J	16.1 J	21200	21.1 J	< 4.1 U	857000	11700	< 6.4 U	< 4 U	12.6 J	< 10 U	32.4	< 32 U	< 20 U
Shallow	AA-09	No	42	N	10/23/06	< 6.8 U	< 0.093 U	73.9 J	18.2 J	20600	28.1 J	< 4.1 U	821000	10700	< 6.4 U	< 4 U	8.3 J	< 10 U	33.3	< 32 U	< 20 UJ
Shallow	AA-09	No	44	N	01/26/07	< 6.8 U	< 0.093 U	76.3 J	10.6 J	21500	< 20 U	< 4.1 U	790000	10600	< 6.4 U	< 4 U	< 7.8 U	< 10 U	27.6	< 32 U	< 20 U
Shallow	AA-09	No	51	N	05/16/08	< 48 U	< 0.061 U	56.4 J	< 39 U	33600	55.8 J	< 16 U	1070000	10100	< 11 U	< 54 U	< 81 U	< 120 U	17.9 J	< 170 UJ	< 320 U
Shallow	AA-09	No	58	N	08/12/09	1.2 J	< 0.027 U	75.2	3.2 J	30500	66.3	< 0.015 U	923000	9830	< 0.02 U	0.28 J	6.9 J	< 0.022 U	18.2	39.9	< 2 U
Shallow	AA-09	Yes	58	N	08/12/09	--	--	--	--	25900	--	--	851000	--	--	--	--	--	--	--	--
Shallow	AA-10	No	27	N	07/20/04	47.5	< 0.2 U	16.7	17	26100	17.5 J	< 50 U	484000	9900	< 50 U	< 10 U	< 100 U	5.5	23.5	16.1	71.9 J
Shallow	AA-10	No	37	N	05/12/06	< 6.8 U	< 0.093 U	15.1 J	13.4 J	34900	< 20 U	< 4.1 U	671000	11200	< 6.4 U	< 4 U	< 7.8 U	< 10 U	29.8	36.7 J-	< 20 U
Shallow	AA-10	No	38	N	08/11/06	< 3.4 U	< 0.093 U	16.7 J	13.9 J	37200	15.2 J	< 2 U	692000	11800	< 3.2 U	< 2 U	10.4 J	< 5 U	29.3	< 16 U	< 10 U
Shallow	AA-10	No	42	N	10/27/06	< 6.8 U	0.25	15.4 J	13.7 J	35000	< 20 U	< 4.1 U	649000	10800	< 6.4 U	< 4 U	< 7.8 U	< 10 U	30.5	< 32 U	20 J
Shallow	AA-10	No	44	N	02/05/07	< 8.5 U	< 0.093 U	16.8 J	15.1 J	39100	28.4 J	< 5.1 U	646000	11200	< 8 U	< 5 U	< 9.8 U	< 13 U	32.5 J	< 40 U	< 25 U
Shallow	AA-10	No	51	N	05/12/08	< 30 U	< 0.061 U	< 22 U	< 24 U	36300	< 24 U	< 10 U	640000	10800	< 6.8 U	< 34 U	< 51 U	< 76 U	26.1 J	< 100 R	< 200 U
Shallow	AA-10	No	58	N	08/11/09	0.33 J	< 0.027 U	16.1	2.4 J	36200 J-TDS	18.4	< 0.015 U	633000 J-TDS	9070	< 0.02 U	0.19 J	4 J	< 0.022 U	28.6	26.9	< 2 U
Shallow	AA-10	Yes	58	N	08/11/09	--	--	--	--	35000	--	--	623000	--	--	--	--	--	--	--	--
Shallow	AA-13	No	27	N	07/14/04	108 J	< 0.2 U	7.5 J	10.1 J	3730 J	< 5 U	< 10 U	297000	4000	< 10 U	< 10 U	23.1 J	< 5 U	19.1	10.3 J	172
Shallow	AA-13	No	37	N	05/12/06	< 3.4 U	< 0.093 U	12.6 J	10.9 J	18100	< 10 U	< 2 U	362000	5090	< 3.2 U	< 2 U	12.5 J	< 5 U	60.5	32.1 J-	< 10 U
Shallow	AA-13	No	38	N	08/03/06	< 1.7 U	< 0.093 U	14.1 J	< 10 U	18000	7.2 J	< 1 U	362000	4870	< 1.6 U	< 1 U	7.2 J	< 2.5 UJ	56.6 J+	< 32 U	< 20 U
Shallow	AA-13	No	42	N	10/20/06	< 6.8 U	< 0.093 U	15 J	12.1 J	20100	< 20 U	< 4.1 U	385000	5130	< 6.4 U	< 4 U	7.9 J	< 10 U	59	< 32 U	< 20 UJ
Shallow	AA-13	No	44	N	01/26/07	< 3.4 U	< 0.093 U	8.9 J	9.9 J	12100	14.2 J	< 2 U	351000	5760	< 3.2 U	< 2 U	6.5 J	< 10 U	39.8	< 16 U	< 10 U
Shallow	AA-13	No	51	N	05/12/08	< 15 U	< 0.061 U	15.7 J	< 12 U	21100	< 12 U	< 5.1 U	398000	6130	< 3.4 U	< 17 U	< 25 U	< 38 U	56.5	< 52 R	< 100 U
Shallow	AA-13	No	58	N	08/13/09	1.1 J	< 0.027 U	23.1	8.9	23200 J-TDS	11.2	< 0.015 U	439000 J-TDS	5670	< 0.02 U	< 0.17 U	2.2	< 0.022 U	51.1	22.8	< 2 U
Shallow	AA-13	Yes	58	N	08/13/09	--	--	--	--	27200	--	--	447000 J	--	--	--	--	--	--	--	--
Shallow	AA-18	No	27	N	02/06/07	< 10 U	< 0.2 U	67.7	< 10 U	12400	3.5 J	< 10 U	166000	5510	< 10 U	0.99 J	< 10 U	5.1	5 J	21.5	< 20 U
Shallow	AA-18	No	37	N	05/19/06	20.7	< 0.093 U	12.9 J-	4.1 J+	14900	< 5 U	< 1 U	150000	2390	< 1.6 UJ	4.6 J	13.5 J-	< 2.5 UJ	8	59.8	394
Shallow	AA-18	No	38	N	08/10/06	2.2 J	< 0.093 U	13.1 J	3 J	15200	< 5 U	< 1 U	154000	2500	< 1.6 U	< 1 U	9.7 J	< 2.5 UJ	7.6	< 8 U	21.1 J
Shallow	AA-18	No	42	N	10/31/06	< 1.7 U	< 0.093 U	13 J	3.8 J	14300	< 5 U	< 1 U	141000	2330	2.5 J	< 1 U	5.2 J	4.4 J	7.9	57.6	< 5 U
Shallow	AA-18	No	44	N	02/06/07	< 3.4 U	< 0.093 U	13.1 J	< 5.2 U	15500	< 10 U	< 2 U	154000	2490	< 3.2 U	< 2 U	7.7 J	< 5 U	10.6	51.5 J	36.7 J+
Shallow	AA-18	No	51	N	05/13/08	< 6 U	< 0.061 U	11.1 J	< 4.9 U	15100 J-CAB	< 4.8 U	< 2 U	137000 J-CAB	2280 J	< 1.4 U	< 6.8 U	< 10 U	< 15 U	7 J	50.4 J-	< 40 U
Shallow	AA-18	No	58	N	08/11/09	0.59 J	< 0.027 U	11.8	0.73 J	R-CAB&TDS	4 J	< 0.015 U	R-CAB&								

TOTAL METALS RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
 (Page 13 of 22)

Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	2	--	--	--	50	--	--	--	2	--	--	--	30	--	--
					BCL	510	10.95	180	730	--	50	180	--	21900	2	21900	146000	270	30	180	11000
Shallow	AA-20	No	38	N	08/11/06	< 6.8 U	< 0.093 U	142	15.1 J	42400	< 20 U	< 4.1 U	880000	11400	< 6.4 U	< 4 U	10.9 J	< 10 U	18.7 J	< 32 U	< 20 U
Shallow	AA-20	No	42	N	10/30/06	< 8.5 U	< 0.093 U	142	21.7 J	38900	< 27.1 J	< 5.1 U	837000	11200	12.2 J	< 5 U	< 9.8 U	< 10 U	18.7 J	< 40 U	< 25 UJ
Shallow	AA-20	No	44	N	01/30/07	< 17 U	< 0.093 U	135 J	30.9 J	42200	< 50 U	< 10 U	881000	11800	< 16 U	< 10 U	< 20 U	< 10 U	18.6 J	< 80 U	190 J-
Shallow	AA-20	No	51	N	05/14/08	< 24 U	< 0.061 U	118 J	< 19 U	32900 J-CAB	< 19 U	< 8.1 U	668000 J-CAB	9380	< 5.4 U	< 27 U	< 40 U	< 60 U	15.3 J	< 84 UJ	< 160 U
Shallow	AA-20	No	58	N	09/11/09	3.8 J	< 0.027 U	158	9.9 J	44200	53	0.079 J	898000	11600	< 0.1 U	< 0.85 U	10	< 0.11 U	21.2	38.7 J	< 10 U
Shallow	AA-20	Yes	58	N	09/11/09	--	--	--	--	42700	--	--	879000	--	--	--	--	--	--	--	--
Shallow	AA-21	No	27	N	07/25/04	23.5 J	< 0.2 U	54.5	31.1 J	86900 J	15.5	< 10 UJ+	357000	13700	< 10 U	< 50 U	28.4 J	< 25 UJ+	35.5 J	31.6 J	1020
Shallow	AA-21	No	37	N	05/19/06	< 6.8 U	< 0.093 U	52.6 J-	18.6 J+	86900	< 20 U	< 4.1 U	814000	12300	< 6.4 UJ	< 4 U	10 J-	< 10 UJ	40.3	< 32 U	< 20 U
Shallow	AA-21	No	38	N	08/17/06	13.7 J	< 0.093 U	52.4 J	18 J	88100	< 25 U	< 5.1 U	828000	11700	11.1 J	< 5 U	10.9 J	28.2 J	36.9	< 40 U	59.3 J
Shallow	AA-21	No	42	N	10/31/06	< 8.5 U	< 0.093 U	51.7 J	15 J	83800	< 25 U	< 5.1 U	774000	12200	< 8 U	< 5 U	< 9.8 U	< 13 U	39.1	< 40 U	55.4 J
Shallow	AA-21	No	44	N	01/29/07	< 17 U	< 0.093 U	54.2 J	< 26 U	94500	< 50 U	< 10 U	872000	13300	< 16 U	< 10 U	< 20 U	< 10 U	42.6 J	< 80 U	--
Shallow	AA-21	No	51	N	05/13/08	164	< 0.061 U	56.5 J	< 19 U	79400 J	< 19 U	< 8.1 U	696000	11400 J	< 5.4 U	< 27 U	< 40 U	< 60 U	34.7 J	< 84 UJ	< 160 U
Shallow	AA-21	No	58	N	08/12/09	2.2	< 0.027 U	55.2	3.5 J	83300	22.2	< 0.015 U	720000	11100	< 0.02 U	< 0.17 U	8 J	< 0.022 U	44.7	25.3	< 2 U
Shallow	AA-21	Yes	58	N	08/12/09	--	--	--	--	84600	--	--	740000	--	--	--	--	--	--	--	--
Shallow	AA-22	No	27	N	07/17/04	< 10 U	< 0.2 U	12.6	19.4	16400	9.3	< 50 U	263000	5370	< 50 U	< 10 U	33.1 J	< 5 U	13.5	6.7 J	< 100 U
Shallow	AA-22	No	37	N	05/24/06	< 3.4 U	< 0.093 U	18.8 J	17.2 J	22000	< 10 U	< 2 U	334000	5980	< 3.2 U	< 2 U	7 J	< 5 U	16.8	< 16 U	21.1 J
Shallow	AA-22	No	38	N	08/18/06	< 3.4 U	< 0.093 U	17.4 J	14.6 J	23200	< 10 U	< 2 U	309000	4540	< 3.2 U	< 2 U	5.4 J	< 5 U	15.3	< 16 U	< 10 U
Shallow	AA-22	No	42	N	11/03/06	< 3.4 U	< 0.093 U	21.9 J	18.1 J	25900	< 10 U	< 2 U	327000	5340	< 3.2 U	< 2 U	< 3.9 U	< 5 U	11	< 16 U	70.8 J
Shallow	AA-22	No	44	N	02/09/07	< 3.4 U	< 0.093 U	28.6 J	20.2 J	18600	< 10 U	< 2 U	254000	5980 J+	< 3.2 U	< 2 U	< 3.9 U	< 5 U	13.6	< 16 U	11.1 J
Shallow	AA-22	No	51	N	05/14/08	< 12 U	< 0.061 U	10.7 J	18.1 J	22400 J-CAB	< 9.6 U	< 4.1 U	280000 J-CAB	7150	< 2.7 U	< 14 U	< 20 U	< 30 U	17.2 J	< 42 UJ	< 80 U
Shallow	AA-22	No	58	N	09/23/09	5.7 J	< 0.027 U	34.3 J	17.7 J	46000 J-TDS	< 7 U	< 0.15 U	353000 J-TDS	10100	< 0.2 U	< 1.7 U	5	< 0.22 U	18.2	9.2 J	< 20 U
Shallow	AA-22	Yes	58	N	09/23/09	--	--	--	--	54900	--	--	350000	--	--	--	--	--	--	--	--
Shallow	AA-23-R	No	51	N	05/19/08	< 15 U	< 0.061 U	22.1 J+	19.1 J	32900	< 12 U	< 5.1 U	314000	8800 J+	< 3.4 U	< 17 U	< 25 U	< 38 U	31.7	< 52 U	< 100 U
Shallow	AA-23-R	No	58	N	09/10/09	21.2	< 0.027 U	49.2	10.9 J	62700 J-TDS	14.3 J	< 0.075 U	408000 J-TDS	11700	< 0.1 U	< 0.85 U	20.4	< 0.11 U	34.8	13.4 J	17.9 J
Shallow	AA-23-R	Yes	58	N	09/10/09	--	--	--	--	62600	--	--	426000	--	--	--	--	--	--	--	--
Shallow	AA-26	No	27	N	07/20/04	63.8	< 0.2 U	16.3	< 10 U	26400	< 25 U	< 50 U	262000	3930	< 50 U	< 10 U	< 100 U	< 5 U	5.3 J	7.9 J	39.6 J
Shallow	AA-26	No	37	N	05/24/06	< 3.4 U	< 0.093 U	14.1 J	7.5 J	36800	< 10 U	< 2 U	328000	4870	< 3.2 U	< 2 U	9.1 J	< 5 U	7.8 J	19.5 J	< 10 U
Shallow	AA-26	No	38	N	08/17/06	< 3.4 U	< 0.093 U	13.3 J	7.5 J	38700	< 10 U	< 2 U	332000	4940	< 3.2 U	< 2 U	6 J	< 5 U	7.7 J	< 16 U	13.1 J
Shallow	AA-26	No	42	N	10/26/06	< 3.4 U	< 0.093 U	13.1 J	6.1 J	39000	< 10 U	< 2 U	346000	5150	< 3.2 U	< 2 U	7.3 J	< 5 U	8.3 J	< 16 U	22.1 J
Shallow	AA-26	No	44	N	02/28/07	< 6.8 U	< 0.093 U	13.5 J	< 10 U	41200 J	< 20 U	< 4.1 U	342000 J	5370	< 6.4 U	< 4 U	< 7.8 U	< 10 U	8.8 J	< 32 U	< 20 U
Shallow	AA-26	No	51	N	05/19/08	< 12 U	< 0.061 U	13.6 J+	< 9.7 U	40000	< 9.6 U	< 4.1 U	309000	5130 J+	< 2.7 U	< 14 U	< 20 U	< 30 U	5.5 J	< 42 U	< 80 U
Shallow	AA-26	No	58	N	09/11/09	3.2 J	< 0.027 U	15.2 J	7 J	44100 J-TDS	7.1 J	< 0.075 U	356000 J-TDS	5910	< 0.1 U	< 0.85 U	< 3 U	< 0.11 U	5.7	16.9 J	< 10 U
Shallow	AA-26	Yes	58	N	09/11/09	--	--	--	--	43300	--	--	351000	--	--	--	--	--	--	--	--
Shallow	AA-27	No	27	N	07/16/04	12.5	< 0.2 U	31.2	16.5	4490	< 5 U	< 10 U	411000	9920	< 10 U	< 10 U	24	< 5 U	70.6	7.1 J	56.3
Shallow	AA-27	No	37	N	04/27/06	< 0.34 UJ	< 0.093 U	29.7	11.4 J-	8720	6.3	< 0.2 U	540000	6840 J	< 0.32 U	0.2 J	5.1	0.79 J	66.1 J	9.2 J	< 25 U
Shallow	AA-27	No	38	N	08/02/06	< 3.4 U	< 0.093 U	30.9 J	13.5 J	8120	< 10 U	< 2 U	497000	8720 J	< 3.2 U	< 2 U	5.9 J	< 5 U	75.5 J+	< 16 U	< 10 U
Shallow	AA-27	No	42	N	10/19/06	< 6.8 U	< 0.093 U	31.4 J	14.7 J	7950	< 20 U	< 4.1 U	473000	9440	< 6.4 U	< 4 U	< 7.8 U	< 10 U	75	< 32 U	< 20 UJ
Shallow	AA-27	No	44	N	02/02/07	< 6.8 U	< 0.093 U	31.2 J	14.3 J	7600	< 20 U	< 4.1 U	444000	9230	< 6.4 U	< 4 U	< 7.8 U	< 10 U	73	< 32 U	< 20 U
Shallow	AA-27	No	51	N	05/14/08	< 12 U	< 0.061 U	25.3 J	12 J	7020 J-CAB	< 9.6 U	< 4.1 U	381000 J-CAB	8890	< 2.7 U	< 14 U	< 20 U	< 30 U	64	< 42 UJ	< 80 U
Shallow	AA-27	No	58	N	08/26/09	5.8 J	< 0.027 U	36.4 J	20.2 J	8580 J-TDS	< 7 UJ	< 0.15 U	535000 J-TDS	11000	< 0.2 U	< 1.7 U	10	< 0.22 U	68.7	16.8 J	< 20 U
Shallow	AA-27	Yes	58	N	08/26/09	--	--	--	--	8560	--	--	538000	--	--	--	--	--	--	--	--
Shallow	AA-30	No	58	N	09/09/09	14.3	< 0.027 U	93	8 J	180000 J-TDS	15 J	< 0.075 U	721000 J-TDS	14500	< 0.1 U	< 0.85 U	24.2	< 0.11 U	44	15.8 J	< 10 U
Shallow	AA-30	Yes	58	N	09/09/09	--	--	--	--	177000	--	--	713000	--	--	--	--	--	--	--	--
Shallow	AA-UW1	No	51	N	05/20/08	98.8	< 0.061 U	35.1 J+	10.8 J	7390	< 9.6 U	< 4.1 U	319000	10300 J+	< 2.7 U	< 14 U	< 25 U	< 30 U	54.1	< 42 U	< 80 U
Shallow	AA-UW1	No	58	N	08/24/09	58.6	< 0.027 U	< 1.4 UJ	10.4 J	8550 J-TDS	< 7 U	< 0.15 U	353000 J-TDS	10500	< 0.2 U	< 1.7 U	8.8 J	< 0.22 U	48.2	44.7 J	< 20 U
Shallow	AA-UW1	Yes	58	N	08/24/09	--	--	--	--	7870	--	--	367000	--	--	--	--	--	--	--	--
Shallow	AA-UW2	No	51	N	05/16/08	164	< 0.061 U	21.9 J	14.6 J	8120	< 12 U	< 5.1 U	482000	12100	< 3.4 U	< 17 U	< 25 U	< 38 U	121	< 52 UJ	< 100 U
Shallow	AA-UW2	No	58	N	08/11/09	2.5	0.065 J	20.9	4.8 J	7880	6.1	< 0.015 U	461000	11500	< 0.02 U	< 0.17 U	6.6 J	< 0.022 U	98.8	24.3	< 2 U
Shallow	AA-UW2	Yes	58	N	08/11/09	--	--	--	--	7780	--	--	455000	--	--	--	--	--	--	--	--
Shallow	AA-UW3	No	51	N	05/20/08	48.8	< 0.061 U	98.2 J+	8.4 J	14900	4.8 J	< 1 U	830000	7820 J+	< 0.68 U	< 3.4 U	< 25 U	< 7.6 U	7.9	< 10 U	< 20 U
Shallow	AA-UW3	No	58	N	08/25/09	< 3.1 U	< 0.027 U	93.5 J+	6.3 J	16100 J-TDS	< 7 U	< 0.15 U	979000 J-TDS	9590	< 0.2 U	< 1.7 U	3.2 J	< 0.22 U	10.4	15 J	< 20 U
Shallow	AA-UW3	Yes	58	N	08/25/09	--	--	--	--	15200	--	--	1010000	--	--	--	--	--	--	--	--
Shallow	AA-UW4	No	51	N	05/21/08	< 30 U	< 0.061 U	57.6 J+	< 24 U	13100 J-CAB	< 24 U	< 10 U	640000 J-CAB	7320 J+	< 6.8 U	< 34 U	< 51 U	< 76 U	15.2 J	< 100 U	204 J
Shallow	AA-UW4	No	51	FD	05/21/08	38.7 J	< 0.061 U	66.4 J+	< 24 U	15300 J-CAB	< 24 U	< 10 U	743000 J-CAB	8420 J+	< 6.8 U	< 34 U	< 51 U	< 76 U	17.1 J	< 100 U	< 200 U
Shallow	AA-UW4	No	58	N	08/26/09	3.4 J	< 0.027 U	79.2	15.3 J	16000 J-TDS	< 7 UJ	< 0.15 U	919000 J-TDS	10100	< 0.2 U	< 1.7 U	7.8 J	< 0.22 U	24.8	31 J	< 20 U
Shallow	AA-UW4	No	58	FD	08/26/09	3.7 J	< 0.027 U														

TOTAL METALS RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	2	--	--	--	50	--	--	--	2	--	--	--	30	--	--
					BCL	510	10.95	180	730	--	50	180	--	21900	2	21900	146000	270	30	180	11000
Shallow	AA-UW5	No	51	N	05/22/08	< 6 U	< 0.061 U	< 4.5 U	< 4.9 U	7560 J-CAB	< 4.8 U	< 2 U	97700 J-CAB	1490 J	< 1.4 U	< 6.8 U	< 10 U	< 15 U	12.2	< 21 UJ	< 40 U
Shallow	AA-UW5	No	51	FD	05/22/08	< 6 U	< 0.061 U	< 4.5 U	< 4.9 U	7720 J-CAB	< 4.8 U	< 2 U	101000 J-CAB	1540 J	< 1.4 U	< 6.8 U	< 10 U	< 15 U	12.9	< 21 UJ	< 40 U
Shallow	AA-UW5	No	58	N	09/15/09	5.1 J	< 0.027 U	6 J	10.2 J	R-CAB&TDS	< 7 U	< 0.15 U	R-CAB&TDS	1540	< 0.2 U	< 1.7 U	< 3 U	< 0.22 U	10.7	17.5 J	< 20 U
Shallow	AA-UW5	No	58	FD	09/15/09	33.3 J	< 0.027 U	5.9 J	10.9 J	R-CAB&TDS	< 7 U	< 0.15 U	R-CAB&TDS	1570	< 0.2 U	< 1.7 U	14	< 0.22 U	10.9	18.2 J	< 20 U
Shallow	AA-UW5	Yes	58	N	09/15/09	--	--	--	--	8740	--	--	114000	--	--	--	--	--	--	--	--
Shallow	AA-UW5	Yes	58	FD	09/15/09	--	--	--	--	8670	--	--	118000	--	--	--	--	--	--	--	--
Shallow	AA-UW6	No	51	N	05/22/08	42.2	< 0.061 U	91 J	< 9.7 U	63300 J-CAB	< 9.6 U	< 4.1 U	324000 J-CAB	7960 J	< 2.7 U	< 14 U	< 20 U	< 30 U	< 4.2 U	< 42 UJ	< 80 U
Shallow	AA-UW6	No	58	N	08/27/09	3.8 J	< 0.027 U	74.6	17.8 J	62400	< 7 UJ	< 0.15 U	342000	9340	< 0.2 U	< 1.7 U	6.2 J	< 0.22 U	< 0.2 U	24.2 J	< 20 U
Shallow	AA-UW6	Yes	58	N	08/27/09	--	--	--	--	80100	--	--	441000	--	--	--	--	--	--	--	--
Shallow	BEC-6	No	37	N	04/28/06	3.6 J	< 0.093 U	52.9	14.4 J	35000	17.1	< 0.2 U	702000	10700 J	< 0.32 U	0.33 J	17.5	5.5	1.8 J	181	< 25 U
Shallow	BEC-6	No	38	N	08/01/06	13.2 J	< 0.093 U	56.5	18.5 J	36700	20.3 J	< 2 U	639000	14100 J	< 3.2 U	< 2 U	43.1	< 5 U	< 5.2 U	168	< 25 U
Shallow	BEC-6	No	42	N	10/19/06	< 6.8 U	< 0.093 U	54 J	16.3 J	34800	< 20 U	< 4.1 U	653000	14800	< 6.4 U	< 4 U	15.5 J	< 10 U	< 4.2 U	120 J	< 20 UJ
Shallow	BEC-6	No	44	N	01/29/07	< 17 U	< 0.093 U	54.8 J	< 26 U	35700	< 50 U	< 10 U	621000	15400	< 16 U	< 10 U	< 20 U	17.4 J	< 10 U	< 80 U	--
Shallow	BEC-6	No	51	N	04/24/08	< 15 U	< 0.093 U	54.3 J	15.8 J	37000 J-CAB	27.8 J	< 5.1 U	568000 J-CAB	15400	< 34 U	< 17 U	< 51 U	< 38 U	< 5.2 U	< 52 U	< 100 UJ
Shallow	BEC-6	No	58	N	09/28/09	18.9 J	< 0.027 UJ	62.8	8.1 J	R-CAB&TDS	30.4 J+	< 0.15 U	R-CAB&TDS	15800	< 0.2 U	< 1.7 U	52.4 J	< 0.22 U	< 0.2 U	59 J	< 20 U
Shallow	BEC-6	Yes	58	N	09/28/09	--	--	--	--	41000 J+	--	--	660000	--	--	--	--	--	--	--	--
Shallow	BEC-9	No	37	N	05/02/06	< 6.8 U	< 0.093 U	52.3 J	28 J	54000	23.7 J	< 4.1 U	517000	15400	< 6.4 U	< 4 U	13.5 J	< 10 U	38.3	33.7 J	20.5 J
Shallow	BEC-9	No	38	N	08/02/06	< 3.4 U	0.16 J	61.1	24.2 J	57300	13.5 J	< 2 U	549000	14500 J	< 3.2 U	< 2 U	6.4 J	< 5 U	47.3	< 16 U	< 10 U
Shallow	BEC-9	No	42	N	10/19/06	< 6.8 U	< 0.093 U	64.3 J	22.2 J	58900	< 20 U	< 4.1 U	488000	14500	< 6.4 U	< 4 U	7.8 J	< 10 U	42.6	< 32 U	< 20 UJ
Shallow	BEC-9	No	44	N	01/29/07	< 17 U	< 0.093 U	63.8 J	26.2 J	62300	< 50 U	< 10 U	500000	15900	< 16 U	< 10 U	20.7 J	< 10 U	46.2 J	< 80 U	--
Shallow	BEC-9	No	51	N	04/24/08	< 15 U	< 0.093 U	62.9 J	21.4 J	61000 J-CAB	14.4 J	< 5.1 U	443000 J-CAB	15100	< 34 U	< 17 U	< 25 U	< 38 U	35.9	< 52 U	< 100 UJ
Shallow	BEC-9	No	58	N	08/18/09	< 1.6 U	< 0.027 U	43.4	10.2 J	49200	14.1 J	< 0.075 U	514000	16600	< 0.1 U	< 0.85 U	4.2	< 0.11 U	54.4	23.7 J	< 10 U
Shallow	BEC-9	Yes	58	N	08/18/09	--	--	--	--	49700	--	--	512000	--	--	--	--	--	--	--	--
Shallow	COH-2A	No	44	N	01/30/07	785	< 0.093 U	363	26.3 J	40000	68.2 J	< 10 U	1140000	12900	< 16 U	< 10 U	< 20 U	< 10 U	23 J+	< 80 U	--
Shallow	COH-2A	No	51	N	05/08/08	862	< 0.061 U	377 J	< 49 U	36000 J-	67.5 J	< 20 U	1080000	12800	< 14 U	< 68 U	< 100 U	< 150 U	27.5 J	< 210 U	< 400 U
Shallow	COH-2A	No	58	N	09/11/09	148	< 0.027 U	369	31.8	45900 J-TDS	32.4	< 0.075 U	1130000 J-TDS	8290	< 0.1 U	< 0.85 U	21	< 0.11 U	66.2	27.2 J	< 10 U
Shallow	COH-2A	Yes	58	N	09/11/09	--	--	--	--	38600	--	--	1120000	--	--	--	--	--	--	--	--
Shallow	DBMW-1	No	51	N	05/20/08	< 30 U	< 0.061 U	821 J+	< 24 U	51900	79.6 J	< 10 U	634000	15900 J+	< 6.8 U	< 34 U	< 51 U	< 76 U	< 10 U	< 100 U	< 200 U
Shallow	DBMW-1	No	58	N	08/31/09	6.4 J	< 0.027 U	851	19.4 J	59500 J-TDS	109	< 0.15 U	759000 J-TDS	15200	< 0.2 U	< 1.7 U	8.6	< 0.22 U	10.2	32.5 J	< 20 U
Shallow	DBMW-1	Yes	58	N	08/31/09	--	--	--	--	55800	--	--	719000	--	--	--	--	--	--	--	--
Shallow	DBMW-10	No	51	N	05/27/08	< 12 U	< 0.061 U	30.7 J+	< 9.7 U	57100 J-CAB	< 9.6 U	< 4.1 U	244000 J-CAB	5880	< 2.7 U	< 14 U	< 25 U	< 30 U	9.7 J+	< 42 U	137 J+
Shallow	DBMW-10	No	58	N	09/29/09	11 J-	< 0.027 UJ	28.2	2 J-	63600 J-TDS	< 1.4 UJ	< 0.03 UJ	273000 J-TDS	5330	< 0.04 UJ	0.34 J	4.9 J	< 0.044 U	8.9 J-	30.4 J-	< 4 UJ
Shallow	DBMW-10	Yes	58	N	09/29/09	--	--	--	--	65300	--	--	274000	--	--	--	--	--	--	--	--
Shallow	DBMW-11	No	51	N	06/02/08	27.4	< 0.061 U	80.2	22.4	233000	< 9.6 U	< 4.1 U	712000	12700 J	< 2.7 U	< 14 U	< 20 U	< 30 U	26.5	< 42 U	252
Shallow	DBMW-11	No	58	N	10/01/09	< 3.1 U	0.03 J-	84.8	13.6 J	279000 J-TDS	26.6 J	< 0.15 U	839000 J-TDS	14800	< 0.2 U	< 1.7 U	5.2 J	< 0.22 U	23.9	5.5 J	< 20 U
Shallow	DBMW-11	Yes	58	N	10/01/09	--	--	--	--	214000	--	--	798000	--	--	--	--	--	--	--	--
Shallow	DBMW-12	No	51	N	05/27/08	39.1 J+	< 0.061 U	168 J+	22.9 J+	526000 J-CAB	46.3 J+	< 4.1 U	912000 J-CAB	13700	< 3.4 U	< 17 U	< 51 U	< 38 U	19.2 J	< 42 U	< 100 U
Shallow	DBMW-12	No	58	N	09/24/09	19.5 J	< 0.027 U	108	8.5 J	315000 J-TDS	8.4 J	< 0.15 U	668000 J-TDS	11700	< 0.2 U	< 1.7 U	22.4 J	< 0.22 U	32.6	12 J	< 20 U
Shallow	DBMW-12	No	58	FD	09/24/09	9.3 J	< 0.027 U	85.8	7.9 J	264000 J-TDS	< 7 UJ	< 0.15 U	578000 J-TDS	11300	< 0.2 U	< 1.7 U	11.6 J	< 0.22 U	37.9	11.8 J	< 20 U
Shallow	DBMW-12	Yes	58	N	09/24/09	--	--	--	--	258000	--	--	570000	--	--	--	--	--	--	--	--
Shallow	DBMW-12	Yes	58	FD	09/24/09	--	--	--	--	266000	--	--	591000	--	--	--	--	--	--	--	--
Shallow	DBMW-13	No	51	N	05/28/08	< 12 U	< 0.061 U	122	20.4 J	134000	13.6 J	< 4.1 U	624000	12900	< 2.7 U	< 14 U	< 51 U	< 30 U	11.5 J	< 42 U	84.7 J
Shallow	DBMW-13	No	58	N	09/29/09	7 J-	< 0.027 UJ	120	4.7 J-	144000 J-TDS	< 3.5 UJ	< 0.075 UJ	696000 J-TDS	11700	< 0.1 UJ	< 0.85 U	5.5 J	< 0.11 U	10.2 J-	13.8 J-	< 10 UJ
Shallow	DBMW-13	Yes	58	N	09/29/09	--	--	--	--	143000	--	--	700000	--	--	--	--	--	--	--	--
Shallow	DBMW-14	No	51	N	05/29/08	< 12 U	< 0.061 U	63.1 J	26.4 J	127000	23.5 J	< 4.1 U	515000	13800 J	< 2.7 R	< 14 U	< 20 U	< 30 U	< 4.2 U	< 42 U	294
Shallow	DBMW-14	No	58	N	09/29/09	51.5 J-	< 0.027 UJ	71.8	6.7 J-	142000 J-TDS	32.6 J-	< 0.075 UJ	644000 J-TDS	12800	< 0.1 UJ	< 0.85 U	30.8	< 0.11 U	< 0.1 UJ	20.1 J-	< 10 UJ
Shallow	DBMW-14	Yes	58	N	09/29/09	--	--	--	--	140000	--	--	638000	--	--	--	--	--	--	--	--
Shallow	DBMW-15	No	51	N	05/28/08	< 12 U	< 0.061 U	102	15.5 J	94700	21 J	< 4.1 U	416000	12200	< 2.7 U	< 14 U	< 51 U	< 30 U	8.2 J	< 42 U	< 80 U
Shallow	DBMW-15	No	58	N	09/30/09	< 3.1 U	0.054 J	102	11.8 J	108000 J-TDS	20.6 J	< 0.15 U	501000 J-TDS	12000	< 0.2 U	< 1.7 U	6 J	< 0.22 U	7.7 J	24.1 J	< 20 U
Shallow	DBMW-15	Yes	58	N	09/30/09	--	--	--	--	98100	--	--	508000	--	--	--	--	--	--	--	--
Shallow	DBMW-16	No	51	N	05/29/08	< 12 U	< 0.061 U	12.5 J	< 9.7 U	20900 J+	< 9.6 U	< 4.1 U	197000	1370 J	< 2.7 R	< 14 U	< 20 U	< 30 U	< 4.2 U	< 42 U	< 80 U
Shallow	DBMW-16	No	58	N	10/02/09	6	< 0.027 U	12.2	2.3 J	19700 J-CAB&TDS	2.9 J	< 0.015 U	170000 J-CAB&TDS	1370	< 0.02 U	1 J	< 3 U	< 0.022 U	3.4	22	< 2 U
Shallow	DBMW-16	Yes	58	N	10/02/09	--	--	--	--	20200	--	--	176000	--	--	--	--	--	--	--	--
Shallow	DBMW-17	No	51	N	05/30/08	13.7 J	< 0.061 U	13.5 J	< 9.7 U	25200	< 9.6 U	< 4.1 U	270000	2190 J	< 2.7 R	< 14 U	< 20 U	< 30 U	< 4.2 U	< 42 U	< 80 U
Shallow	DBMW-17	No	58	N	10/02/09	40.9	< 0.027 U	11.3	5.5	27300 J-TDS	1.4 J	< 0.015 U	261000 J-TDS	2940	< 0.02 U	< 0.17 U	14.6	< 0.022 U	12.4	16.7	< 2 U
Shallow	DBMW-17	Yes	58	N	10/02/09	--	--	--	--	27300	--	--	259000	--	--	--	--	--	--	--	--
Shallow	DBMW-19	No	51	N	05/30/08	38.7 J+	< 0.061 U	103	19.2 J+	55500	17.1 J	< 4.1 U	504000	11300 J	< 2.7 R	< 14 U	< 20 U				

TOTAL METALS RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
 (Page 15 of 22)

Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc	
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
					MCL	--	2	--	--	--	50	--	--	--	2	--	--	--	30	--	--	
					BCL	510	10.95	180	730	--	50	180	--	21900	2	21900	146000	270	30	180	11000	
Shallow	DBMW-19	Yes	58	N	09/24/09	--	--	--	--	96500	--	--	724000	--	--	--	--	--	--	--	--	--
Shallow	DBMW-2	No	51	N	06/02/08	15.9	<0.061 U	1130	19.1	72800 J-CAB	140	<4.1 U	792000 J-CAB	14600 J	<2.7 U	<14 U	20.4 J+	<30 U	12.8	<42 U	<80 U	
Shallow	DBMW-2	No	58	N	09/04/09	6.7 J	<0.027 UJ	752	6.4 J	71100	169	<0.075 U	981000	15700	<0.1 U	<0.85 U	9.4 J	<0.11 U	7.1	28.9 J	<10 U	
Shallow	DBMW-2	Yes	58	N	09/04/09	--	--	--	--	67200	--	--	974000	--	--	--	--	--	--	--	--	--
Shallow	DBMW-20	No	51	N	05/13/08	<24 U	<0.061 U	67.4 J	<19 U	103000 J	<19 U	<8.1 U	460000	10300 J	<5.4 U	<27 U	<40 U	<60 U	34.6 J	<84 UJ	<160 U	
Shallow	DBMW-20	No	58	N	09/30/09	4.8 J	0.041 J	83.7	14.4 J	120000 J-TDS	11.9 J	<0.15 U	585000 J-TDS	11400	<0.2 U	<1.7 U	6.4 J	<0.22 U	33.2	16.2 J	<20 U	
Shallow	DBMW-20	Yes	58	N	09/30/09	--	--	--	--	117000	--	--	568000	--	--	--	--	--	--	--	--	--
Shallow	DBMW-22	No	51	N	05/30/08	46.1	<0.061 U	46.3 J	16.4 J	149000	<4.8 U	<2 U	254000	10600 J	<2.7 R	<6.8 U	<10 U	<15 U	2.5 J	<42 U	<40 U	
Shallow	DBMW-22	No	58	N	09/28/09	48.9 J	<0.027 UJ	51.3	7.5 J	148000 J-TDS	7.1 J+	<0.15 U	283000 J-TDS	9220	<0.2 U	<1.7 U	28 J	<0.22 U	<0.2 U	12.6 J	<20 U	
Shallow	DBMW-22	No	58	FD	09/28/09	17.2 J	<0.027 UJ	49.4 J	7.6 J	147000 J-TDS	<7 U	<0.15 U	286000 J-TDS	9130	<0.2 U	<1.7 U	8.6 J	<0.22 U	<0.2 U	10.8 J	<20 U	
Shallow	DBMW-22	Yes	58	N	09/28/09	--	--	--	--	140000 J+	--	--	277000	--	--	--	--	--	--	--	--	--
Shallow	DBMW-22	Yes	58	FD	09/28/09	--	--	--	--	139000 J+	--	--	275000	--	--	--	--	--	--	--	--	--
Shallow	DBMW-3	No	51	N	06/02/08	<12 U	<0.061 U	671	23	75500 J-CAB	<9.6 U	<4.1 U	687000 J-CAB	8950 J	<2.7 U	<14 U	<20 U	<30 U	8.2	<42 U	<80 U	
Shallow	DBMW-3	No	58	N	09/04/09	6.5 J	0.038 J-	1120	8 J	104000 J-TDS	108	<0.075 U	970000 J-TDS	11000	<0.1 U	<0.85 U	18.6	<0.11 U	7.3	40.5 J	<10 U	
Shallow	DBMW-3	Yes	58	N	09/04/09	--	--	--	--	107000	--	--	1000000	--	--	--	--	--	--	--	--	--
Shallow	DBMW-4	No	51	N	05/22/08	36.5 J	<0.061 U	52.6 J	<19 U	47100 J-CAB	28.1 J	<8.1 U	552000 J-CAB	10400 J	<5.4 U	<27 U	<40 U	<60 U	70.5	<84 UJ	<160 U	
Shallow	DBMW-4	No	58	N	09/22/09	7.4 J	<0.027 U	84.4	9.3 J	84800 J-TDS	7.9 J	<0.15 U	681000 J-TDS	12400	<0.2 U	<1.7 U	5.6	<0.22 U	30.8	44 J	<20 U	
Shallow	DBMW-4	Yes	58	N	09/22/09	--	--	--	--	84000	--	--	672000	--	--	--	--	--	--	--	--	--
Shallow	DBMW-5	No	51	N	05/22/08	<24 U	<0.061 U	43.2 J	<19 U	31600 J-CAB	<19 U	<8.1 U	464000 J-CAB	12100 J	<5.4 U	<27 U	<40 U	<60 U	51.4	<84 UJ	<160 U	
Shallow	DBMW-5	No	58	N	09/23/09	18 J	<0.027 U	55.2	10.8 J	75500 J-TDS	<7 U	<0.15 U	515000 J-TDS	13400	<0.2 U	<1.7 U	18.5 J	<0.22 U	29.7	18.5 J	<20 U	
Shallow	DBMW-5	No	58	FD	09/23/09	12.1 J	0.028 J	53.9	12.1 J	61600 J-TDS	<7 U	<0.15 U	508000 J-TDS	13200	<0.2 U	<1.7 U	10.7 J	<0.22 U	34.9	18.8 J	<20 U	
Shallow	DBMW-5	Yes	58	N	09/23/09	--	--	--	--	66900	--	--	513000	--	--	--	--	--	--	--	--	--
Shallow	DBMW-5	Yes	58	FD	09/23/09	--	--	--	--	68200	--	--	495000	--	--	--	--	--	--	--	--	--
Shallow	DBMW-7	No	51	N	06/02/08	<12 U	<0.061 U	93.3	26.8	65300 J-CAB	<9.6 U	<4.1 U	562000 J-CAB	12100 J	<2.7 U	<14 U	<20 U	<30 U	29	<42 U	<80 U	
Shallow	DBMW-7	No	58	N	09/25/09	52.7	<0.027 U	99.5	11.5 J	71800 J-TDS	<7 UJ	<0.15 U	617000 J-TDS	13900	<0.2 U	<1.7 U	69	<0.22 U	27.6	12.6 J	<20 U	
Shallow	DBMW-7	No	58	FD	09/25/09	63.6	<0.027 U	93.7	12.2 J	81100 J-TDS	<7 UJ	<0.15 U	662000 J-TDS	14400	<0.2 U	<1.7 U	74.8	<0.22 U	27.5	10.8 J	<20 U	
Shallow	DBMW-7	Yes	58	N	09/25/09	--	--	--	--	78900	--	--	650000	--	--	--	--	--	--	--	--	--
Shallow	DBMW-7	Yes	58	FD	09/25/09	--	--	--	--	77000	--	--	634000	--	--	--	--	--	--	--	--	--
Shallow	DBMW-8	No	51	N	06/03/08	<12 U	<0.061 U	88.6	24.5	78400 J-CAB	<9.6 U	<4.1 U	613000 J-CAB	13400 J	<2.7 U	<14 U	<20 U	<30 U	22.8	<42 U	<80 U	
Shallow	DBMW-8	No	58	N	09/23/09	3.5 J	<0.027 U	84.2	9.4 J	88700 J-TDS	<7 U	<0.15 U	668000 J-TDS	15400	<0.2 U	<1.7 U	6.3	<0.22 U	20.1	5.5 J	<20 U	
Shallow	DBMW-8	Yes	58	N	09/23/09	--	--	--	--	89100	--	--	671000	--	--	--	--	--	--	--	--	--
Shallow	DBMW-9	No	51	N	05/23/08	<12 U	<0.061 U	89.1 J	13.9 J	54700 J-CAB	12.3 J	<4.1 U	282000 J-CAB	12000 J	<2.7 U	<14 U	<20 U	<30 U	25.9	<42 UJ	<80 U	
Shallow	DBMW-9	No	58	N	09/29/09	3.8 J-	<0.027 UJ	83.3	5.3 J-	63600 J-TDS	<3.5 UJ	<0.075 UJ	307000 J-TDS	11900	<0.1 UJ	<0.85 U	5	<0.11 U	25.2 J-	32.8 J-	<10 UJ	
Shallow	DBMW-9	Yes	58	N	09/29/09	--	--	--	--	57900	--	--	291000	--	--	--	--	--	--	--	--	--
Shallow	DM-1	No	37	N	05/01/06	42	<0.093 U	11 J	27.5 J	9460	<20 U	<4.1 U	413000	11300	<6.4 U	<4 U	126	<10 U	50.5	<32 U	<20 U	
Shallow	DM-1	No	38	N	07/31/06	<3.4 U	<0.093 U	11.3 J	17.7 J	9050	<10 U	<2 U	463000	10700	<3.2 U	<2 U	8.4 J	<5 U	43.5	<16 U	<10 UJ	
Shallow	DM-1	No	42	N	10/18/06	9 J	<0.093 U	12.6 J	17.8 J	9040	<20 U	<4.1 U	442000	9550	<6.4 U	<4 U	26.8 J	<10 U	38.8	<32 U	<20 UJ	
Shallow	DM-1	No	44	N	01/25/07	30.9	<0.093 U	18.2 J	14.5 J	7960	<10 U	<2 U	385000	7180	<3.2 U	<2 U	27.3	<10 U	26.6	<16 U	10.6 J	
Shallow	DM-1	No	51	N	04/22/08	<30 U	<0.093 U	<22 U	<24 U	8050	<24 U	<10 U	423000	10500	<6.8 U	<34 U	<51 U	<76 U	48.5 J	<100 U	<200 U	
Shallow	DM-1	No	58	N	10/01/09	<3.1 U	0.036 J-	<1.4 U	14.7 J	13800 J-TDS	9.7 J	<0.15 U	570000 J-TDS	10000	<0.2 U	<1.7 U	4 J	<0.22 U	27.7	8.9 J	<20 U	
Shallow	DM-1	Yes	58	N	10/01/09	--	--	--	--	13500	--	--	576000	--	--	--	--	--	--	--	--	--
Shallow	HMW-08	No	44	N	02/02/07	267	<0.093 U	55.8 J	36.7 J	55800	<20 U	<4.1 U	394000	9560	8.6 J	<4 U	467	13 J	29.4	<32 U	44.3 J+	
Shallow	HMW-08	No	51	N	05/06/08	267	<0.061 U	28.6 J	24.2 J	40800 J-CAB	<19 U	<8.1 U	257000 J-CAB	6920	<5.4 U	<27 U	397	<60 U	28.1 J	<84 U	<160 U	
Shallow	HMW-08	No	58	N	09/29/09	821 J-	0.029 J-	53.4	108 J-	R-CAB&TDS	<3.5 UJ	<0.075 UJ	R-CAB&TDS	11700	<0.1 UJ	0.86 J	379	<0.11 U	43.2 J-	65.6 J-	112 J-	
Shallow	HMW-08	Yes	58	N	09/29/09	--	--	--	--	70100	--	--	514000	--	--	--	--	--	--	--	--	--
Shallow	HMW-09	No	44	N	02/09/07	101	<0.093 U	82.2 J	28.7 J	47600	<25 U	<5.1 U	383000	10300 J+	<8 U	<5 U	292	<13 U	31.9	<40 U	39.5 J	
Shallow	HMW-09	No	51	N	05/06/08	35.8 J	<0.061 U	131 J	<24 U	50300 J-	<24 U	<10 U	478000 J	8810	<6.8 U	<34 U	65.8 J	<76 U	26.7 J	<100 U	<200 U	
Shallow	HMW-09	No	58	N	09/28/09	87 J	<0.027 UJ	155	17.3 J	80500 J-TDS	60.3 J+	<0.15 U	872000 J-TDS	14700	<0.2 U	<1.7 U	343 J	<0.22 U	30.6	32.1 J	<20 U	
Shallow	HMW-09	Yes	58	N	09/28/09	--	--	--	--	71000 J+	--	--	809000	--	--	--	--	--	--	--	--	--
Shallow	HMWWT-6	No	44	N	02/21/07	<3.4 U	<0.093 U	14.4 J	<5.2 U	6810 J	<10 U	<2 U	209000 J	3300	5.5 J	<2 U	4.7 J	6.4 J	10	34 J	<10 U	
Shallow	HMWWT-6	No	51	N	04/25/08	<6 U	<0.061 U	11.8 J	<4.9 U	5610	7.8 J	<2 U	182000	3210	<14 U	<6.8 U	<25 U	<15 U	9.6 J	<21 U	<40 UJ	
Shallow	HMWWT-6	No	58	N	09/04/09	9.4 J	0.062 J-	12.4 J	2.2 J	6600 J-TDS	4.5 J	<0.075 U	180000 J-TDS	2700	<0.1 U	<0.85 U	19.6	<0.11 U	10.1	29.6 J	<10 U	
Shallow	HMWWT-6	Yes	58	N	09/04/09	--	--	--	--	6250	--	--	179000	--	--	--	--	--	--	--	--	--
Shallow	MCF-01B	No	27	N	07/24/04	83.6	<0.2 U	30.1 J	8.8 J	10100 J	<5 U	<10 UJ+	360000	4380	<10 U	<50 U	28.6 J	7.3 J+	15 J	36 J	<20 U	
Shallow	MCF-01B	No	37	N	05/11/06	<3.4 U	<0.093 U	33.5 J	<5.2 U	11100	<10 U	<2 U	406000	3540	<3.2 U	<2 U	7.8 J	<5 U	21.4	32.7 J-	<10 U	
Shallow	MCF-01B	No	38	N	07/31/06	<3.4 U	0.12 J	31.7 J	<5.2 U	11900	<10 U	<2 U	419000	3520	<3.2 U	<2 U	9.2 J	<5 U	19.8	<16 U	<10 UJ	
Shallow	MCF-01B	No	42	N	11/06/06	14.2 J	<0.093 U	34.6 J	<5.2 U	12200	<10 U	<2 U	427000	3860	<3.2 U	<2 U	7.6 J	<5 U	21.4	27 J	74.6 J	
Shallow	MCF-01B	No	44	N	02/14/07	<6.8 U	<0.093 U	31.6 J+	<10 U	10700	<20 U	<4.1 U	384000	3100	<6.4 U	<4 U	<7.8 U	<10 U	21.5	49.5 J	<20 U	

TOTAL METALS RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	2	--	--	--	50	--	--	--	2	--	--	--	30	--	--
					BCL	510	10.95	180	730	--	50	180	--	21900	2	21900	146000	270	30	180	11000
Shallow	MCF-01B	No	51	N	04/23/08	< 15 U	< 0.093 U	30 J	< 12 U	10900 J-CAB	< 12 U	< 5.1 U	379000 J-CAB	3640	< 34 U	< 17 U	< 25 U	< 38 U	19.4 J	< 52 U	< 100 UJ
Shallow	MCF-01B	No	58	N	08/07/09	2.2	0.083 J	33.1	0.84 J	10700	3.7 J	< 0.015 U	391000	3250	< 0.02 U	< 0.17 U	4.2 J	< 0.022 U	20	28	< 2 U
Shallow	MCF-01B	Yes	58	N	08/07/09	--	--	--	--	10300	--	--	381000	--	--	--	--	--	--	--	--
Shallow	MCF-03B	No	27	N	07/24/04	< 50 U	< 0.2 U	571 J+	15.7 J+	27600 J	< 5 U	< 10 U	361000	2660	< 10 UJ+	< 50 U	< 50 UJ+	< 25 UJ+	< 50 U	18.3 J+	< 20 U
Shallow	MCF-03B	No	37	N	05/12/06	< 6.8 U	< 0.093 U	48.8 J	< 10 U	14200	< 20 U	< 4.1 U	550000	4380	< 6.4 U	< 4 U	< 7.8 U	< 10 U	13.2 J	< 32 UJ	< 20 U
Shallow	MCF-03B	No	38	N	08/16/06	< 6.8 U	< 0.093 U	48.3 J	< 10 U	13900	< 20 U	< 4.1 U	510000	4200	< 6.4 U	< 4 U	9.3 J+	< 10 U	14 J	< 32 U	< 20 U
Shallow	MCF-03B	No	42	N	11/03/06	< 8.5 U	< 0.093 U	44.4 J	< 13 U	13900	< 25 U	< 5.1 U	526000	4370	< 8 U	< 5 U	< 9.8 U	< 13 U	14.8 J	< 40 U	188 J
Shallow	MCF-03B	No	44	N	02/20/07	< 8.5 U	< 0.093 U	43.5 J	< 13 U	14600	< 25 U	< 5.1 U	555000	4440	< 8 U	< 5 U	< 9.8 U	< 13 U	15.3 J	< 40 U	< 25 U
Shallow	MCF-03B	No	51	N	04/29/08	< 30 U	< 0.061 U	41.9 J	< 24 U	11700	< 24 U	< 10 U	485000	4080	< 6.8 U	< 34 U	< 51 U	< 76 U	15.2 J	< 100 U	< 200 U
Shallow	MCF-03B	No	58	N	08/17/09	< 1.6 U	< 0.027 U	40.6	1.5 J	12900 J-TDS	7.9 J	< 0.075 U	532000 J-TDS	3890	< 0.1 U	< 0.85 U	1.4 J	< 0.11 U	17.1	18.4 J	< 10 U
Shallow	MCF-03B	Yes	58	N	08/17/09	--	--	--	--	12900	--	--	541000	--	--	--	--	--	--	--	--
Shallow	MCF-06B	No	27	N	07/26/04	3.3 J	< 0.2 U	422	62	87000	61.7	< 10 U	2360000	9930	< 10 U	0.4 J	4.6 J	< 5 U	< 10 U	< 10 U	< 20 U
Shallow	MCF-06B	No	37	N	05/18/06	< 34 U	0.096 J	1380	< 52 U	3340000	130 J	< 20 U	3970000	9850	< 32 U	< 20 U	< 39 U	93 J	< 21 U	< 160 U	198 J-
Shallow	MCF-06B	No	38	N	08/09/06	< 68 U	< 0.093 U	1880	< 100 U	3690000	< 200 U	< 41 U	4480000	10900	< 64 U	< 40 U	< 78 U	< 100 U	< 42 U	< 320 U	< 200 U
Shallow	MCF-06B	No	42	N	10/31/06	< 34 U	< 0.093 U	2170	< 52 U	3620000	121 J	< 20 U	4050000	9390	< 32 U	< 20 U	< 39 U	< 50 U	< 21 U	< 160 U	228 J
Shallow	MCF-06B	No	44	N	02/01/07	< 68 U	< 0.093 U	2380	< 100 U	3830000	< 200 U	< 41 U	4230000	9820	< 64 U	< 40 U	< 78 U	< 100 U	< 42 U	< 320 U	973 J+
Shallow	MCF-06B	No	51	N	05/02/08	< 300 U	< 0.061 U	2330 J	< 240 U	3570000	< 240 U	< 100 U	4000000	10800	< 68 U	< 340 U	< 510 U	< 760 U	< 100 U	< 1000 UJ	< 2000 U
Shallow	MCF-06B	No	58	N	08/28/09	6 J	< 0.027 U	2600	6.5 J	3860000 J-TDS	160 J+	0.19 J	4120000 J-TDS	9540	< 0.2 U	< 1.7 U	7.3 J	< 0.22 U	7 J	< 1.4 U	< 20 U
Shallow	MCF-06B	Yes	58	N	08/28/09	--	--	--	--	4110000	--	--	4230000	--	--	--	--	--	--	--	--
Shallow	MCF-06C	No	27	N	07/26/04	< 10 U	< 0.2 U	242	26	41400	25.1	< 10 U	705000	12300	< 10 U	< 10 U	14.6	5.5	28.6	8.1 J	< 20 U
Shallow	MCF-06C	No	37	N	05/22/06	< 3.4 U	< 0.093 U	179	21.1 J	187000	16.7 J	< 2 U	642000	12600	< 3.2 U	< 2 U	7.7 J	< 5 U	31.8	< 16 U	10.9 J
Shallow	MCF-06C	No	38	N	08/08/06	< 6.8 U	< 0.093 U	187	18.8 J	213000	20.9 J	< 4.1 U	634000	12500	< 6.4 U	< 4 U	10 J	< 10 U	20.3	< 32 U	< 20 U
Shallow	MCF-06C	No	42	N	10/30/06	< 8.5 U	< 0.093 U	177	22.6 J	188000	25.8 J	< 5.1 U	623000	13100	< 8 U	< 5 U	< 9.8 U	< 13 U	31.7	< 40 U	54 J
Shallow	MCF-06C	No	44	N	02/01/07	< 8.5 U	< 0.093 U	190	20 J	198000	27.3 J	< 5.1 U	666000	13200	< 8 U	< 5 U	< 9.8 U	< 13 U	32	< 40 U	< 25 U
Shallow	MCF-06C	No	51	N	05/23/08	< 24 U	< 0.061 U	177 J	< 19 U	195000 J-CAB	< 19 U	< 8.1 U	615000 J-CAB	11900 J	< 5.4 U	< 27 U	< 40 U	< 60 U	19.2 J	< 84 UJ	< 160 U
Shallow	MCF-06C	No	58	N	09/09/09	12.3	< 0.027 U	216	16.1 J	217000	29.4	< 0.075 U	688000	13500	< 0.1 U	< 0.85 U	18.2	< 0.11 U	24.8	8.2 J	14.9 J
Shallow	MCF-06C	Yes	58	N	09/09/09	--	--	--	--	213000	--	--	676000	--	--	--	--	--	--	--	--
Shallow	MCF-12B	No	27	N	07/21/04	< 10 U	< 0.2 U	47.2	19	67400	16.5 J	< 50 U	279000	6840	< 50 U	< 10 U	< 100 U	3.6 J	< 10 U	10.3	< 100 U
Shallow	MCF-12B	No	37	N	05/23/06	< 3.4 U	< 0.093 UJ	33.3 J	8.7 J	71000	< 10 U	< 2 U	294000	6110	< 3.2 U	< 2 U	9.4 J	< 5 U	5.2 J	16.4 J	< 10 U
Shallow	MCF-12B	No	38	N	08/09/06	2.2 J	< 0.093 U	33.2	6.2 J	75000	11.3 J	< 1 U	286000	6510	< 1.6 U	< 1 U	8.6 J	< 2.5 U	5.1	< 8 U	23.5 J
Shallow	MCF-12B	No	42	N	11/08/06	< 3.4 U	< 0.093 U	31.5 J	8.2 J	67700	< 10 U	< 2 U	282000	6230	< 3.2 U	< 2 U	< 3.9 U	< 5 U	5.3 J	< 16 U	< 10 U
Shallow	MCF-12B	No	44	N	02/15/07	12.3 J	< 0.093 U	42.3 J	15.7 J	77600	< 20 U	< 4.1 U	316000	6990	10.8 J	22.6 J	21.9 J	23.8 J	5.4 J	< 32 U	22.4 J
Shallow	MCF-12B	No	51	N	05/08/08	< 12 U	< 0.061 U	29.7 J	30.8 J	67300 J-CAB	15.2 J	< 4.1 U	270000 J-CAB	6720	< 2.7 U	< 14 U	< 20 U	< 30 U	5.3 J	< 42 U	< 80 U
Shallow	MCF-12B	No	58	N	08/19/09	< 1.6 U	< 0.027 U	34.1	1.9 J	82000	< 3.5 U	< 0.075 U	326000	7310	< 0.1 U	< 0.85 U	< 3 U	< 0.11 U	6.4	16.3 J	< 10 U
Shallow	MCF-12B	Yes	58	N	08/19/09	--	--	--	--	79600	--	--	319000	--	--	--	--	--	--	--	--
Shallow	MCF-16C	No	27	N	07/23/04	30.1	< 0.2 U	230	24.4	7740	29.9	< 10 U	427000	12600	< 10 U	< 10 U	8.5	16.5	14.5	< 20 U	< 20 U
Shallow	MCF-16C	No	37	N	05/22/06	44.6	< 0.093 U	250	18.1 J	193000	20.8 J	< 2 U	552000	11600	< 3.2 U	< 2 U	8.5 J	< 5 U	15	23 J	13.9 J
Shallow	MCF-16C	No	38	N	08/16/06	56.3	< 0.093 U	201	22.8 J+	529000	24.6 J	< 4.1 U	673000	10800	< 6.4 U	< 4 U	< 7.8 U	< 10 U	17.6 J	< 32 U	< 20 U
Shallow	MCF-16C	No	42	N	11/06/06	23 J	< 0.093 U	259	23 J	166000	< 25 U	< 5.1 U	548000	12900	< 8 U	< 5 U	< 9.8 U	< 13 U	15 J	< 40 U	181 J
Shallow	MCF-16C	No	44	N	02/20/07	16.7 J	< 0.093 U	244	< 13 U	204000	30.8 J	< 5.1 U	562000	12700 J+	< 8 U	< 5 U	< 9.8 U	< 13 U	17.4 J	< 40 U	< 25 U
Shallow	MCF-16C	No	51	N	05/19/08	< 30 U	< 0.061 U	223 J+	< 24 U	357000 J-CAB	< 24 U	< 10 U	542000 J-CAB	9910 J+	< 6.8 U	< 34 U	< 51 U	< 76 U	12.4 J	< 100 U	< 200 U
Shallow	MCF-16C	No	58	N	09/30/09	5 J	0.035 J-	246	12 J	308000 J-CAB&TDS	38.9	< 0.15 U	602000 J-CAB&TDS	11200	< 0.2 U	< 1.7 U	4.5 J	< 0.22 U	14.1	13.7 J	< 20 U
Shallow	MCF-16C	Yes	58	N	09/30/09	--	--	--	--	213000	--	--	575000	--	--	--	--	--	--	--	--
Shallow	MW-13	No	44	N	02/15/07	14.9 J	< 0.093 U	120	13.5 J	78600	< 10 U	< 2 U	376000	4730	3.4 J	2.6 J	36.4	< 5 U	23.8	23 J	17.4 J
Shallow	MW-13	No	51	N	05/12/08	< 15 U	< 0.061 U	68.4 J	20.3 J	110000	< 12 U	< 5.1 U	486000	11300	< 3.4 U	< 17 U	< 25 U	< 38 U	35.4	< 52 R	< 100 U
Shallow	MW-13	No	58	N	09/02/09	9.3 J	< 0.027 U	78	11.1 J	117000 J-TDS	12.6 J	< 0.075 U	531000 J-TDS	11100	< 0.1 U	< 0.85 U	23.2	< 0.11 U	35.7	17.8 J	< 10 U
Shallow	MW-13	Yes	58	N	09/02/09	--	--	--	--	120000	--	--	540000	--	--	--	--	--	--	--	--
Shallow	MW-15	No	44	N	02/13/07	11.7 J	< 0.093 U	161 J+	16.2 J	56600	28.8 J	< 5.1 U	621000	8180	< 8 U	< 5 U	10.1 J	< 13 U	6.8 J	< 40 U	< 25 U
Shallow	MW-15	No	51	N	05/21/08	< 30 U	< 0.061 U	137 J+	< 24 U	55400	< 24 U	< 10 U	580000	7870 J+	< 6.8 U	< 34 U	< 51 U	< 76 U	< 10 U	< 100 U	< 200 U
Shallow	MW-15	No	58	N	09/02/09	69	< 0.027 U	158	12.2 J	74300 J-TDS	21.3 J	< 0.075 U	710000 J-TDS	9000	< 0.1 U	< 0.85 U	172	< 0.11 U	7.8	23.9 J	48.4 J
Shallow	MW-15	Yes	58	N	09/02/09	--	--	--	--	62600	--	--	661000	--	--	--	--	--	--	--	--
Shallow	MW-3	No	44	N	02/14/07	198	< 0.093 U	103 J+	21 J	74900	< 25 U	< 5.1 U	731000	11500	< 8 U	< 5 U	26 J	< 13 U	6.3 J	< 40 U	< 25 U
Shallow	MW-3	No	51	N	05/09/08	394	< 0.061 U	97 J	< 24 U	69700 J-CAB	< 24 U	< 10 U	687000 J-CAB	11900	< 6.8 U	< 34 U	< 51 U	< 76 U	< 10 U	< 100 U	< 200 U
Shallow	MW-3	No	58	N	09/10/09	176	< 0.027 U	108	5.9 J	76300 J-TDS	4.8 J	< 0.075 U	769000 J-TDS	12100	< 0.1 U	< 0.85 U	42	< 0.11 U	6.2	5.4 J	< 10 U
Shallow	MW-3	Yes	58	N	09/10/09	--	--	--	--	76100	--	--	766000	--							

TOTAL METALS RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	2	--	--	--	50	--	--	--	2	--	--	--	30	--	--
					BCL	510	10.95	180	730	--	50	180	--	21900	2	21900	146000	270	30	180	11000
Shallow	MW-4	Yes	58	N	09/16/09	--	--	--	--	799000	--	--	2120000	--	--	--	--	--	--	--	--
Shallow	PC-108	No	37	N	05/09/06	1470	< 0.093 U	6.6 J	38.9 J	16700	< 10 U	< 2 U	477000	4750	< 3.2 U	< 2 U	263	10.7 J	18.2	30.7 J	30.2 J
Shallow	PC-108	No	38	N	08/07/06	972	< 0.093 U	5.7 J	25 J	15400	< 10 U	< 2 U	513000	5080	< 3.2 U	< 2 U	11.4 J	< 5 U	9 J	< 16 U	< 10 U
Shallow	PC-108	No	42	N	10/27/06	898	< 0.093 U	19.6 J	32.8 J	19900	< 20 U	< 4.1 U	519000	6450	< 6.4 U	< 4 U	13.5 J	< 10 U	22.3	< 32 U	38 J
Shallow	PC-108	No	44	N	02/09/07	1160	< 0.093 U	< 13 U	27.2 J	18500	< 25 U	< 5.1 U	501000	7340 J+	< 8 U	< 5 U	13.4 J	< 13 U	8.7 J	< 40 U	< 25 U
Shallow	PC-108	No	51	N	05/01/08	1440	< 0.061 U	< 22 U	30.2 J	14900 J-CAB	< 24 U	< 10 U	490000 J-CAB	7140	< 6.8 U	< 34 U	< 51 U	< 76 U	< 10 U	< 100 U	< 200 U
Shallow	PC-108	No	58	N	09/16/09	1770	< 0.027 U	8.6 J	31.9 J	19700 J-TDS	< 7 UJ	< 0.15 U	641000 J-TDS	9090	< 0.2 U	< 1.7 U	66.4	< 0.22 U	10.5	7.4 J	< 20 U
Shallow	PC-108	Yes	58	N	09/16/09	--	--	--	--	18400	--	--	624000	--	--	--	--	--	--	--	--
Shallow	PC-2	No	37	N	05/03/06	< 6.8 U	< 0.093 U	156	22.6 J	22900	34.3 J	< 4.1 U	609000	8000	< 6.4 U	< 4 U	< 7.8 U	< 10 U	68.8	40.3 J	< 20 U
Shallow	PC-2	No	38	N	08/03/06	240	< 0.093 U	180	32.1 J	38800	33.4 J	< 2 U	534000	10400	< 3.2 U	< 2 U	397	< 5 U	54.9	< 16 U	< 50 U
Shallow	PC-2	No	42	N	10/24/06	< 6.8 U	< 0.093 U	324	22.1 J	34300	24 J	< 4.1 U	673000	11200	< 6.4 U	< 4 U	14.3 J	< 10 U	34.3	< 32 U	< 20 UJ
Shallow	PC-2	No	44	N	02/07/07	< 8.5 U	< 0.093 U	165	22.8 J	27800	26.9 J	< 5.1 U	466000	10300	12.3 J	< 5 U	14.4 J	18.7 J	66.7	< 40 U	< 25 U
Shallow	PC-2	No	51	N	04/25/08	< 15 U	< 0.061 U	333	18.9 J	37500 J-CAB	91.8 J	< 5.1 U	667000 J-CAB	13200	< 34 U	< 17 U	< 51 U	< 38 U	64.4	< 52 U	< 100 UJ
Shallow	PC-2	No	58	N	08/19/09	36.2	< 0.027 U	524	7.1 J	60600	87.5	< 0.075 U	989000	12900	< 0.1 U	< 0.85 U	66.4	< 0.11 U	14.1	38.1 J	< 10 U
Shallow	PC-2	Yes	58	N	08/19/09	--	--	--	--	60100	--	--	987000	--	--	--	--	--	--	--	--
Shallow	PC-24	No	44	N	02/16/07	< 34 U	< 0.093 U	135 J	< 52 U	28100	< 100 U	< 20 U	2140000	30100	< 32 U	< 20 U	< 39 U	< 50 U	44 J	< 160 U	< 100 U
Shallow	PC-24	No	51	N	05/05/08	< 75 U	< 0.061 U	138 J	< 61 U	22500 J-CAB	< 60 U	< 25 U	1870000 J-CAB	26900	< 17 U	< 85 U	< 130 U	< 190 U	44.9 J	< 260 UJ	< 500 U
Shallow	PC-24	No	58	N	08/20/09	6.5 J	< 0.027 U	124	6.2 J	24100	< 3.5 U	< 0.075 U	1750000	22300	< 0.1 U	< 0.85 U	20	< 0.11 U	44.3	29.2 J	< 10 U
Shallow	PC-24	Yes	58	N	08/20/09	--	--	--	--	23500	--	--	1690000	--	--	--	--	--	--	--	--
Shallow	PC-28	No	44	N	02/21/07	< 17 U	< 0.093 U	48 J	< 26 U	7660 J	< 50 U	< 10 U	1100000 J	13600	< 16 U	< 10 U	< 20 U	< 25 U	109	129 J	< 50 U
Shallow	PC-28	No	51	N	05/05/08	< 48 U	< 0.061 U	42.1 J	< 39 U	7410 J	< 38 U	< 16 U	914000	13300	< 11 U	< 54 U	< 81 U	< 120 U	117	< 170 UJ	< 320 U
Shallow	PC-28	No	58	N	08/20/09	10.9	< 0.027 U	47.3	7.3 J	10600	< 3.5 U	< 0.075 U	1130000	14100	< 0.1 U	< 0.85 U	27.9	< 0.11 U	119	87.5	< 10 U
Shallow	PC-28	Yes	58	N	08/20/09	--	--	--	--	9400	--	--	1110000	--	--	--	--	--	--	--	--
Shallow	PC-4	No	37	N	05/03/06	21.3 J	< 0.093 U	297	24.6 J	104000	50.1 J	< 4.1 U	1180000	13100	< 6.4 U	< 4 U	40.4	< 50 U	46.3 J	< 32 U	< 20 U
Shallow	PC-4	No	38	N	08/04/06	< 6.8 U	< 0.093 U	309	17.1 J	96700	24 J	< 4.1 U	1100000	12000	< 6.4 U	< 4 U	14.1 J	< 10 U	40.4	< 32 U	< 50 U
Shallow	PC-4	No	42	N	10/23/06	< 6.8 U	< 0.093 U	327	18.1 J	92500	36.9 J	< 4.1 U	1020000	12400	< 6.4 U	< 4 U	10.3 J	< 10 U	32.1	< 32 U	< 20 UJ
Shallow	PC-4	No	44	N	02/06/07	< 17 U	< 0.093 U	285	< 26 U	87000	50.7 J	< 10 U	1000000	12000	< 16 U	< 10 U	23 J	< 25 U	32.5 J	< 80 U	< 50 U
Shallow	PC-4	No	51	N	04/28/08	64.6	< 0.061 U	307	17.2 J	107000	36.1 J	< 5.1 U	979000	12500	< 34 U	< 17 U	< 100 U	< 38 U	33.2	< 52 U	< 100 UJ
Shallow	PC-4	No	58	N	08/19/09	73.9	0.035 J	548	8.4 J	129000	46.2	< 0.075 U	1160000	12300	< 0.1 U	< 0.85 U	150	< 0.11 U	30.8	27.9 J	12.1 J
Shallow	PC-4	Yes	58	N	08/19/09	--	--	--	--	130000	--	--	1120000	--	--	--	--	--	--	--	--
Shallow	PC-67	No	44	N	02/16/07	377 J	< 0.093 U	526 J	285 J	26100 J	< 10 U	< 2 U	3530000	20100	252 J	516 J	531 J	557 J	172 J	< 16 U	< 10 U
Shallow	PC-67	No	51	N	05/06/08	< 240 U	< 0.061 U	241 J	< 190 U	20500 J-J-CAB	< 190 U	< 81 U	2650000 J-J-CAB	18300	< 54 U	< 270 U	< 400 U	< 600 U	153 J	< 840 U	< 1600 U
Shallow	PC-67	No	58	N	09/09/09	179	< 0.027 U	246	17.7 J	25200 J-TDS	< 3.5 U	< 0.075 U	2940000 J-TDS	17300	< 0.1 U	< 0.85 U	86.5	31.9	177	35.6 J	14 J
Shallow	PC-67	Yes	58	N	09/09/09	--	--	--	--	25400	--	--	3040000	--	--	--	--	--	--	--	--
Shallow	PC-76	No	44	N	02/28/07	2200	< 0.093 U	11 J	14.3 J	40800 J	< 5 U	< 1 U	724000 J	11100	< 1.6 U	< 1 U	31	3.7 J	7.4	< 8 U	68.1
Shallow	PC-76	No	51	N	05/14/08	910	< 0.061 U	< 22 U	< 24 U	35700 J-	< 24 U	< 10 U	672000 J	9870	< 6.8 U	< 34 U	< 51 U	< 76 U	< 10 U	< 100 U	< 200 U
Shallow	PC-76	No	58	N	09/21/09	880	< 0.027 UJ	< 1.4 U	14.6 J	37100	91.7 J+	< 0.15 U	649000	10600 J+	< 0.2 U	< 1.7 U	8.5 J	< 0.22 U	36	20.1 J	< 20 U
Shallow	PC-76	Yes	58	N	09/21/09	--	--	--	--	38700	--	--	645000	--	--	--	--	--	--	--	--
Shallow	PC-79	No	37	N	05/04/06	1280	< 0.093 U	22.1 J	33.7 J	22700	< 10 U	< 2 U	491000	5610	< 3.2 U	< 2 U	11.1 J	< 25 U	29.6 J	20.4 J	< 10 U
Shallow	PC-79	No	38	N	08/04/06	1380	< 0.098 J	23.6 J	31.5 J	22900	< 10 U	< 2 U	534000	6760	< 3.2 U	< 2 U	21.9	< 5 UJ	33	< 16 U	< 50 U
Shallow	PC-79	No	42	N	10/25/06	1430 J	< 0.093 U	24.6 J	34.6 J	22400	< 10 U	< 2 U	484000	5950	< 3.2 U	< 2 U	79.6	15.4 J	31.4	19.4 J	36.8 J
Shallow	PC-79	No	44	N	02/08/07	1400	< 0.093 U	28.2 J	41.7 J	21100	< 25 U	< 5.1 U	445000	5750	< 8 U	< 5 U	88.9	< 13 U	28.2	< 40 U	25.4 J
Shallow	PC-79	No	51	N	04/28/08	1460	< 0.061 U	31.4 J	36.5 J	20500	< 12 U	< 5.1 U	418000	5480	< 34 U	< 17 U	29.4 J+	< 38 U	27.7	< 52 U	< 100 UJ
Shallow	PC-79	No	58	N	08/27/09	1670	< 0.027 U	30.2 J	36 J	22500 J-TDS	< 7 U	< 0.15 U	558000 J-TDS	7120	< 0.2 U	< 1.7 U	19.2	< 0.22 U	26.8	25.8 J	< 20 U
Shallow	PC-79	Yes	58	N	08/27/09	--	--	--	--	23100	--	--	568000	--	--	--	--	--	--	--	--
Shallow	PC-80	No	37	N	05/04/06	905	< 0.093 U	19.2 J	39.3 J	21100	< 10 U	< 2 U	450000	3780	< 3.2 U	< 2 U	182	< 5 U	26.7	35.3 J	11.5 J
Shallow	PC-80	No	38	N	08/08/06	1090	< 0.093 U	23.3 J	43.4 J	23100	< 10 U	< 2 U	396000	4180	< 3.2 U	< 2 U	432	< 5 U	28.5	< 16 U	< 10 U
Shallow	PC-80	No	42	N	10/25/06	1170 J	< 0.093 U	16.3 J	47.8 J	22200	< 10 U	< 2 U	425000	3770	< 3.2 U	< 2 U	580	5.7 J	28.1	48.3 J	43.1 J
Shallow	PC-80	No	44	N	02/05/07	1100	< 0.093 U	19.8 J	49.1 J	23700	< 20 U	< 4.1 U	409000	4040	< 6.4 U	< 4 U	658	< 10 U	23.7	39.5 J	44.1 J
Shallow	PC-80	No	51	N	04/29/08	810	< 0.061 U	22.1 J	38.7 J	20900	< 12 U	< 5.1 U	413000	3700	< 3.4 U	< 17 U	181	< 38 U	28	< 52 U	< 100 U
Shallow	PC-80	No	58	N	08/27/09	982	< 0.027 U	23.3 J	45.6 J	20300 J-CAB&TDS	< 7 UJ	< 0.15 U	480000 J-CAB&TDS	3910	< 0.2 U	< 1.7 U	13.4	< 0.22 U	27.8	17.2 J	< 20 U
Shallow	PC-80	Yes	58	N	08/27/09	--	--	--	--	20100	--	--	478000	--	--	--	--	--	--	--	--
Shallow	PC-81	No	37	N	05/05/06	1370	< 0.093 U	24.5 J	48.7 J	29000	< 20 U	< 4.1 U	852000	6740	< 6.4 U	< 4 U	66.9	< 50 U	39 J	68.2 J	< 20 U
Shallow	PC-81	No	38	N	08/08/06	1560	< 0.093 U	21.1 J	36.3 J	26700	< 20 U	< 4.1 U	693000	5410	< 6.4 U	< 4 U	29.8 J	< 10 U	29.7	< 32 U	< 20 U
Shallow	PC-81	No	42	N	10/26/06	1090	< 0.093 U	25.5 J	38.5 J	24500	< 20 U	< 4.1 U	687000	4690	< 6.4 U	< 4 U	< 7.8 U	< 10 U	31.2	73.2 J	22.4 J
Shallow	PC-81	No	44	N	02/08/07	1740	< 0.093 U	28.4 J	53.9 J	31500	< 50 U	< 10 U	923000	9560 J+							

TOTAL METALS RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc	
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
					MCL	--	2	--	--	--	50	--	--	--	2	--	--	--	30	--	--	
					BCL	510	10.95	180	730	--	50	180	--	21900	2	21900	146000	270	30	180	11000	
Shallow	PC-81	Yes	58	N	09/01/09	--	--	--	--	26500	--	--	712000	--	--	--	--	--	--	--	--	--
Shallow	PC-88	No	51	N	04/30/08	982	< 0.061 U	55.3 J	< 24 U	26600 J-CAB	< 12 U	< 10 U	1010000 J-CAB	6570	< 6.8 U	< 34 U	< 51 U	< 76 U	27.6 J	< 100 U	595	
Shallow	PC-88	No	58	N	09/01/09	988	< 0.027 U	< 1.4 U	< 3 U	30100 J-TDS	< 7 UJ	< 0.15 U	1150000 J-TDS	6100	< 0.2 U	< 1.7 U	7	< 0.22 U	31.5	77.6 J	< 20 U	
Shallow	PC-88	Yes	58	N	09/01/09	--	--	--	--	28200	--	--	1090000	--	--	--	--	--	--	--	--	--
Shallow	PC-90	No	38	N	08/24/06	170	< 0.093 U	81.9 J	26.7 J	25100	< 50 U	< 10 U	934000	8950	25.8 J	< 10 U	25.7 J	104 J	38.5 J	119 J-	137 J-	
Shallow	PC-90	No	42	N	10/26/06	32.8 J	< 0.093 U	109	31.9 J	33900	131	< 4.1 U	1100000	11500	< 6.4 U	< 4 U	15.9 J	< 10 U	54	104 J	27.1 J	
Shallow	PC-90	No	44	N	02/05/07	193	< 0.093 U	271	< 26 U	32700	86.3 J	< 10 U	1150000	13800	< 16 U	< 10 U	118	< 25 U	41 J	88.8 J	< 50 U	
Shallow	PC-90	No	51	N	05/01/08	228	< 0.061 U	63.6 J	< 24 U	20800 J-CAB	26.2 J	< 10 U	860000 J-CAB	7180	< 6.8 U	< 34 U	< 51 U	< 76 U	36.7 J	< 100 U	< 200 U	
Shallow	PC-90	No	58	N	09/09/09	492	< 0.027 U	64	17.7 J	21900 J-TDS	18.9 J	< 0.075 U	872000 J-TDS	5760	< 0.1 U	< 0.85 U	22.2	< 0.11 U	36	81.1	< 10 U	
Shallow	PC-90	Yes	58	N	09/09/09	--	--	--	--	21400	--	--	876000	--	--	--	--	--	--	--	--	--
Shallow	PC-94	No	37	N	05/05/06	35	< 0.093 U	130	23.1 J	46700	16.1 J	< 2 U	514000	9340	< 3.2 U	< 2 U	24.6	< 25 U	27.6 J	39.7 J	19.4 J	
Shallow	PC-94	No	38	N	08/07/06	83.9	< 0.093 U	120	18.2 J	44300	11.5 J	< 2 U	460000	9080	< 3.2 U	< 2 U	64.4	< 5 U	24.6	< 16 U	< 10 U	
Shallow	PC-94	No	42	N	10/27/06	73.7	< 0.093 U	106	17.6 J	43700	< 10 U	< 2 U	417000	8690	< 3.2 U	< 2 U	47.3	< 5 U	31.3	28.5 J	< 10 U	
Shallow	PC-94	No	44	N	02/02/07	22.3 J	< 0.093 U	125	19.8 J	43300	< 20 U	< 4.1 U	477000	8670	< 6.4 U	< 4 U	36.4 J	< 10 U	27.9	< 32 U	< 20 U	
Shallow	PC-94	No	51	N	04/30/08	< 30 U	< 0.061 U	117 J	< 24 U	47700	< 24 U	< 10 U	480000	9800	< 6.8 U	< 34 U	< 51 U	< 76 U	27.7 J	< 100 U	< 200 U	
Shallow	PC-94	No	58	N	09/09/09	39	< 0.027 U	166	9.9 J	61500 J-TDS	55.4	< 0.075 U	780000 J-TDS	14400	< 0.1 U	< 0.85 U	63.5	< 0.11 U	32.8	32 J	< 10 U	
Shallow	PC-94	Yes	58	N	09/09/09	--	--	--	--	60400	--	--	794000	--	--	--	--	--	--	--	--	--
Shallow	POD2-R	No	37	N	05/08/06	< 3.6 U	< 0.093 U	41.1 J	22.1 J	16200	13.1 J	< 2.1 U	654000	10600	< 3.4 U	< 2.1 U	7.9 J	67 J	93.5	< 17 U	< 11 U	
Shallow	POD2-R	No	38	N	08/03/06	4.2 J	< 0.093 U	42.1 J	20.1 J	15700	< 10 U	< 2 U	675000	10100	< 3.2 U	< 2 U	6.6 J	< 5 U	88.6	< 16 U	< 50 U	
Shallow	POD2-R	No	42	N	10/20/06	< 6.8 U	< 0.093 U	44.5 J	19.6 J	16600	< 20 U	< 4.1 U	708000	10000	< 6.4 U	< 4 U	8.4 J	< 10 U	83.8	< 32 U	< 20 UJ	
Shallow	POD2-R	No	44	N	01/26/07	< 6.8 U	< 0.093 U	45.5 J	11.7 J	17300	< 20 U	< 4.1 U	679000	10600	< 6.4 U	< 4 U	< 7.8 U	< 10 U	66.9	< 32 U	< 20 U	
Shallow	POD2-R	No	51	N	04/23/08	< 0.6 U	< 0.093 U	53.4 J	20 J	18100 J-CAB	< 0.48 U	< 0.2 U	813000 J-CAB	11800	< 1.4 U	< 0.68 U	< 51 U	< 1.5 U	56.7	< 2.1 U	< 4 UJ	
Shallow	POD2-R	No	58	N	09/14/09	11.7 J	< 0.027 U	65.5	18.8 J	27700 J-TDS	16.2 J	< 0.15 U	1080000 J-TDS	12300	0.4 J	< 1.7 U	19	0.84 J	50	20.9 J	< 20 U	
Shallow	POD2-R	Yes	58	N	09/14/09	--	--	--	--	28000	--	--	1080000	--	--	--	--	--	--	--	--	--
Shallow	POD8	No	37	N	04/28/06	2.6 J-	< 0.093 U	19.9	12.8 J-	23000	3.4 J	< 0.2 U	459000	6770 J	< 0.32 U	0.21 J	6.4	< 0.5 U	47.6 J	13.9	< 25 U	
Shallow	POD8	No	38	N	08/02/06	8.6 J	< 0.093 U	24.5 J	15.9 J	24300	7.1 J	< 1 U	437000	9110 J	< 1.6 U	< 1 U	10.8	< 2.5 U	58.9	< 8 U	< 5 U	
Shallow	POD8	No	42	N	10/20/06	< 6.8 U	< 0.093 U	24.2 J	15.5 J	24700	< 20 U	< 4.1 U	419000	8460	< 6.4 U	< 4 U	11.8 J	< 10 U	56.4	< 32 U	< 20 UJ	
Shallow	POD8	No	44	N	01/26/07	< 3.4 U	< 0.093 U	22.9 J	11 J	23500	< 10 U	< 2 U	401000	8170	< 3.2 U	< 2 U	8.1 J	< 10 U	50.3	< 16 U	< 10 U	
Shallow	POD8	No	51	N	04/23/08	< 15 U	< 0.093 U	21.2 J	13.9 J	24900 J-CAB	20.8 J	< 5.1 U	421000 J-CAB	9250	< 3.4 U	< 1.7 U	< 25 U	< 38 U	50.4	< 52 U	< 100 UJ	
Shallow	POD8	No	58	N	09/03/09	8.5 J	0.038 J-	29.7	9.1 J	32500 J-TDS	22.8 J	< 0.075 U	539000 J-TDS	9570	< 0.1 U	< 0.85 U	15.7	< 0.11 U	53.1	23.5 J	< 10 U	
Shallow	POD8	Yes	58	N	09/03/09	--	--	--	--	32300	--	--	533000	--	--	--	--	--	--	--	--	--
Shallow	POU3	No	37	N	04/27/06	6.2 J-	< 0.093 U	51	13.3 J-	15600	3.5 J	< 0.41 U	1090000	10400 J	< 0.64 U	< 0.4 U	5.8	1.2 J	17.8 J	22.2	153	
Shallow	POU3	No	38	N	07/31/06	16.2 J	< 0.093 U	91 J	23.1 J	26100	< 25 U	< 5.1 U	1660000	14900	< 8 U	7 J	18.3 J	< 13 U	11.3 J	< 40 U	95.4 J-	
Shallow	POU3	No	42	N	10/18/06	16 J	< 0.093 U	93.8 J	26.4 J	27300	< 25 U	< 5.1 U	1560000	15100	11.4 J	< 5 U	16.8 J	29.5 J	11 J	< 40 U	156 J-	
Shallow	POU3	No	44	N	01/25/07	19 J	< 0.093 U	83.6 J	41.5 J	25700	< 50 U	< 10 U	1550000	15800	< 16 U	< 10 U	< 20 U	18.1 J	10.6 J	< 80 U	< 50 U	
Shallow	POU3	No	51	N	04/22/08	< 30 U	< 0.093 U	91.4 J	< 24 U	26900	< 24 U	< 10 U	1600000	16000	< 6.8 U	< 34 U	< 51 U	< 76 U	< 10 U	< 100 U	< 200 U	
Shallow	POU3	No	58	N	09/22/09	17.4 J	< 0.027 U	98	8.5 J	33700 J-CAB&TDS	< 7 U	< 0.15 U	1740000 J-CAB&TDS	19500	< 0.2 U	< 1.7 U	9.7	< 0.22 U	10.2	11.5 J	< 20 U	
Shallow	POU3	Yes	58	N	09/22/09	--	--	--	--	27000	--	--	1440000	--	--	--	--	--	--	--	--	--
Shallow	WMW5.58SD	No	44	N	02/06/07	2140	< 0.093 U	1050	150 J	11400000	< 200 U	< 41 U	16600000	15500	< 64 U	< 40 U	340 J	< 100 U	< 210 U	< 320 U	684 J+	
Shallow	WMW5.58SD	No	51	N	05/16/08	< 1200 U	< 0.061 U	< 900 U	< 970 U	14100000	< 960 U	< 410 U	21200000	< 480 U	< 270 U	< 1400 U	< 2000 U	< 3000 U	< 420 U	< 4200 UJ	< 8000 U	
Shallow	WMW5.58SD	No	58	N	09/09/09	451	< 0.027 U	2.1 J	5.1 J	14800000 J-TDS	< 3.5 U	< 0.075 U	21300000 J-TDS	1990	< 0.1 U	< 0.85 U	22.8	< 0.11 U	< 0.1 U	2.1 J	10 J	
Shallow	WMW5.58SD	No	58	FD	09/09/09	365	< 0.027 U	36.7 J	9.2 J	11700000 J-CAB	31.8	< 0.075 U	17000000 J-CAB	2920	< 0.1 U	< 0.85 U	14.9	< 0.11 U	< 0.1 U	3.5 J	13.6 J	
Shallow	WMW5.58SD	Yes	58	N	09/09/09	--	--	--	--	15000000	--	--	21900000	--	--	--	--	--	--	--	--	--
Shallow	WMW5.58SD	Yes	58	FD	09/09/09	--	--	--	--	14100000	--	--	21100000	--	--	--	--	--	--	--	--	--
Shallow	WMW5.58SI	No	44	N	02/01/07	1100	< 0.093 U	43.2 J	24.7 J	27200	< 20 U	< 4.1 U	372000	4350	< 6.4 U	< 4 U	< 7.8 U	< 10 U	13.5 J	< 32 U	< 20 U	
Shallow	WMW5.58SI	No	51	N	05/15/08	1730	< 0.061 U	32.8 J	23.1 J	24200 J	< 9.6 U	< 4.1 U	334000	4260 J	< 2.7 U	< 1.4 U	< 20 U	< 30 U	12.6 J	< 42 UJ	< 80 U	
Shallow	WMW5.58SI	No	58	N	09/03/09	1620	0.032 J-	49.2 J	24.6 J	R-CAB&TDS	< 35 U	< 0.75 U	R-CAB&TDS	3190	< 1 U	< 8.5 U	43.4	< 1.1 U	< 1 U	18.1 J	< 100 U	
Shallow	WMW5.58SI	Yes	58	N	09/03/09	--	--	--	--	28100	--	--	361000	--	--	--	--	--	--	--	--	--
Shallow	WMW5.58SS	No	44	N	01/31/07	< 6.8 U	< 0.093 U	< 10 U	12.9 J	23500	< 20 U	< 4.1 U	273000	2650	< 6.4 U	< 4 U	< 7.8 U	< 10 U	6 J+	< 32 U	29.7 J-	
Shallow	WMW5.58SS	No	51	N	05/15/08	72.5	< 0.061 U	13.6 J	< 9.7 U	27500 J	< 9.6 U	< 4.1 U	263000	2500 J	< 2.7 U	< 1.4 U	< 20 U	< 30 U	4.4 J	< 42 UJ	< 80 U	
Shallow	WMW5.58SS	No	58	N	09/03/09	59.2	0.044 J-	19.5 J	4.8 J	28000 J-TDS	< 3.5 U	< 0.075 U	252000 J-TDS	2200	< 0.1 U	< 0.85 U	1 J	< 0.11 U	< 0.1 U	4.9 J	< 10 U	
Shallow	WMW5.58SS	Yes	58	N	09/03/09	--	--	--	--	28200	--	--	261000	--	--	--	--	--	--	--	--	--
Middle	COH-1	No	44	N	02/12/07	995 J	< 0.093 U	< 250 U	< 260 U	5370000	< 500 U	< 100 U	14800000	9840	251 J	< 100 U	< 200 U	358 J	< 100 U	< 800 U	< 500 U	
Middle	COH-1	No	51	N	05/12/08	1120 J	< 0.061 U	< 450 U	< 490 U	5320000 J	< 480 U	< 200 U	15100000	10500	< 140 U	< 680 U	< 1000 U	< 1500 U	< 210 U	< 2100 R	< 4000 U	
Middle	COH-1	No	58	N	09/28/09	1770 J	< 0.027 UJ	409	8.8 J	6380000 J+	10 J+	0.22 J	18700000	9410	< 0.2 U	< 1.7 U	< 3 U	< 0.22 U	10.6	< 1.4 U		

TOTAL METALS RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc
						ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	2	--	--	--	50	--	--	--	2	--	--	--	30	--	--
					BCL	510	10.95	180	730	--	50	180	--	21900	2	21900	146000	270	30	180	11000
Middle	COH-2	No	58	N	08/13/09	1550	< 0.027 U	716	4.1 J	4830000	< 3.5 UJ	< 0.075 U	17000000 J	15100	< 0.1 U	< 0.85 U	13.2	< 0.11 U	< 0.1 U	< 0.7 U	< 10 U
Middle	COH-2	Yes	58	N	08/13/09	--	--	--	--	4710000	--	--	16000000 J	--	--	--	--	--	--	--	--
Middle	MCF-02B	No	27	N	07/25/04	< 50 U	< 0.2 U	67.4	12.5 J	41400 J	< 5 U	< 10 UJ+	8590	< 10 U	< 50 U	< 50 U	< 25 UJ+	< 50 U	22.2 J	< 20 U	
Middle	MCF-02B	No	37	N	05/05/06	< 3.4 U	< 0.093 U	13.3 J	< 5.2 U	9340	< 10 U	< 2 U	198000	589	< 3.2 U	< 2 U	< 3.9 U	< 5 U	4.1 J	24.4 J	< 10 U
Middle	MCF-02B	No	38	N	08/21/06	< 1.7 U	< 0.093 U	22.4 J	< 2.6 U	9800	< 5 U	< 1 U	185000	625	< 1.6 U	< 1 U	< 2 U	< 2.5 U	5.4	16.9 J	11.8 J
Middle	MCF-02B	No	42	N	11/03/06	< 1.7 U	< 0.093 U	18.9 J	< 2.6 U	8980	< 5 U	< 1 U	181000	636	< 1.6 U	< 1 U	< 2 U	< 2.5 U	5.5	13.3 J	36.4 J
Middle	MCF-02B	No	44	N	02/20/07	< 3.4 U	< 0.093 U	17.7 J	< 5.2 U	9530	< 10 U	< 2 U	201000	625	< 3.2 U	< 2 U	< 3.9 U	< 5 U	6.7 J	30.6 J	< 10 U
Middle	MCF-02B	No	51	N	04/24/08	< 0.6 U	< 0.093 U	15.4 J	< 0.49 U	7990 J-CAB	< 0.48 U	< 0.2 U	1700000 J-CAB	646	< 1.4 U	< 0.68 U	< 5.1 U	< 1.5 U	5	< 2.1 U	< 4 UJ
Middle	MCF-02B	No	58	N	08/21/09	< 1.6 U	< 0.027 U	27.3	< 1.5 U	9490 J-TDS	< 3.5 U	< 0.075 U	194000 J-TDS	675	< 0.1 U	< 0.85 U	< 3 U	< 0.11 U	6.3	24.1 J	< 10 U
Middle	MCF-02B	Yes	58	N	08/21/09	--	--	--	--	19200	--	--	1920000	--	--	--	--	--	--	--	--
Middle	MCF-05	No	27	N	07/25/04	< 500 U	< 0.2 U	1440	< 500 U	10500000 J	< 5 U	< 10 UJ+	16000000	10000	< 10 U	< 500 U	< 500 U	< 250 U	< 500 U	153 J	< 20 U
Middle	MCF-05	No	37	N	05/17/06	3230	< 0.093 U	1310 J	< 260 U	12700000	< 500 U	< 100 U	20400000	7200	< 160 U	< 100 U	< 200 U	< 250 U	< 100 U	< 800 U	< 500 U
Middle	MCF-05	No	38	N	08/10/06	3790	< 0.093 U	1370	< 100 U	11900000	< 200 U	< 41 U	19300000	804 J	< 64 U	< 40 U	< 78 U	< 100 U	< 210 U	< 320 U	< 200 U
Middle	MCF-05	No	42	N	11/14/06	3490	< 0.093 U	1290 J	< 260 U	11700000	< 500 U	< 100 U	18800000	5240	< 160 U	< 100 U	< 200 U	< 250 U	< 100 U	< 800 U	826 J-
Middle	MCF-05	No	44	N	01/31/07	3660	< 0.093 U	1470	< 100 U	13500000	< 200 U	< 41 U	21500000	962 J	< 64 U	< 40 U	< 78 U	< 10 U	< 42 U	< 320 U	351 J-
Middle	MCF-05	No	51	N	04/30/08	3940	< 0.061 U	1190 J	< 240 U	< 12000 U	< 240 U	< 100 U	< 10000 U	4150	< 68 U	< 340 U	< 1000 U	< 760 U	< 100 U	< 1000 U	< 2000 U
Middle	MCF-05	No	58	N	08/28/09	4530	< 0.027 U	1580	36.6 J	13300000 J-TDS	167 J+	< 1.5 U	19500000 J-TDS	4900	< 2 U	< 17 U	11.9	< 2.2 U	< 2 U	< 14 U	< 200 U
Middle	MCF-05	Yes	58	N	08/28/09	--	--	--	--	12900000	--	--	19800000	--	--	--	--	--	--	--	--
Middle	MCF-08B-R	No	58	N	08/21/09	575	< 0.027 U	894	3.3 J	837000 J-TDS	< 3.5 U	< 0.075 U	5790000 J-TDS	11800	< 0.1 U	< 0.85 U	4.4 J	< 0.11 U	0.46 J	< 0.7 U	< 10 U
Middle	MCF-08B-R	No	58	FD	08/21/09	671	< 0.027 U	765	3.2 J	793000	< 3.5 U	< 0.075 U	5570000	12200	< 0.1 U	< 0.85 U	5 J	< 0.11 U	1.5 J	< 0.7 U	< 10 U
Middle	MCF-08B-R	Yes	58	N	08/21/09	--	--	--	--	756000	--	--	5310000	--	--	--	--	--	--	--	--
Middle	MCF-08B-R	Yes	58	FD	08/21/09	--	--	--	--	782000	--	--	5520000	--	--	--	--	--	--	--	--
Middle	MCF-09B	No	27	N	07/20/04	32.4	< 0.2 U	41.9	12.9	30000	< 25 U	< 50 U	326000	10100	< 50 U	< 10 U	31.2 J	< 5 U	3.9 J	5 J	< 100 U
Middle	MCF-09B	No	37	N	05/03/06	61.3	< 0.093 U	6.6 J	13.4 J	42900	< 10 U	< 2 U	397000	10500	< 3.2 U	< 2 U	10.1 J	< 5 U	2.3 J	< 16 U	< 10 U
Middle	MCF-09B	No	38	N	08/04/06	42	< 0.093 U	4.6 J	11.1 J	40100	< 5 U	< 1 U	367000	9870	< 1.6 U	< 1 U	6.3 J	< 2.5 U	1.5 J	< 8 U	< 20 U
Middle	MCF-09B	No	42	N	10/25/06	45.1 J	< 0.093 U	< 5 U	11.3 J	41300	< 10 U	< 2 U	390000	10400	< 3.2 U	< 2 U	7.1 J	< 5 U	< 2.1 U	< 16 U	40.6 J
Middle	MCF-09B	No	44	N	02/12/07	39 J	< 0.093 U	< 10 U	12.4 J	39100	< 20 U	< 4.1 U	366000	9730	< 6.4 U	< 4 U	< 7.8 U	< 10 U	< 4.2 U	< 32 U	< 20 U
Middle	MCF-09B	No	51	N	04/25/08	33.9 J	< 0.061 U	< 11 U	< 12 U	40600 J-CAB	< 12 U	< 5.1 U	330000 J-CAB	10800	< 34 U	< 17 U	< 25 U	< 38 U	< 5.2 U	< 52 U	< 100 UJ
Middle	MCF-09B	No	58	N	08/17/09	23.1	< 0.027 U	5.2 J	3.5 J	45000 J-TDS	< 3.5 U	< 0.075 U	401000 J-TDS	11100	< 0.1 U	< 0.85 U	3	< 0.11 U	< 0.1 U	3.4 J	< 10 U
Middle	MCF-09B	No	58	FD	08/17/09	24.1	< 0.027 U	4.8 J	3.9 J	42800 J-TDS	< 3.5 U	< 0.075 U	389000 J-TDS	10700	< 0.1 U	< 0.85 U	2.9	< 0.11 U	< 0.1 U	3.8 J	< 10 U
Middle	MCF-09B	Yes	58	N	08/17/09	--	--	--	--	43700	--	--	394000	--	--	--	--	--	--	--	--
Middle	MCF-09B	Yes	58	FD	08/17/09	--	--	--	--	44100	--	--	399000	--	--	--	--	--	--	--	--
Middle	MCF-10B	No	27	N	07/21/04	< 10 U	< 0.2 U	192	31.3	92700	12.9	< 50 U	235000	9220	< 50 U	< 10 U	< 100 U	< 5 U	< 10 U	< 10 U	< 100 U
Middle	MCF-10B	No	37	N	05/18/06	3.2 J	< 0.093 U	28	6.7 J	35900	6.8 J	< 1 U	225000	7880	< 1.6 U	< 1 U	4.6 J	< 2.5 U	1.2 J	16.2 J+	< 5 UJ
Middle	MCF-10B	No	38	N	08/15/06	< 3.4 U	< 0.093 U	39.5 J	10.5 J+	41300	< 10 U	< 2 U	234000	8810	< 3.2 U	< 2 U	7.3 J+	< 5 U	< 2.1 U	< 16 U	< 10 U
Middle	MCF-10B	No	42	N	11/10/06	< 3.4 U	< 0.093 U	31.3 J	9.2 J	34800	< 10 U	< 2 U	207000	7390	< 3.2 U	< 2 U	< 3.9 U	< 5 U	< 2.1 U	< 16 U	< 10 U
Middle	MCF-10B	No	44	N	02/27/07	< 3.4 U	< 0.093 U	31.3 J	< 5.2 U	39000 J	< 10 U	< 2 U	230000 J	8330	< 3.2 U	< 2 U	< 3.9 U	< 5 U	< 2.1 U	< 16 U	< 10 U
Middle	MCF-10B	No	51	N	05/08/08	< 12 U	< 0.061 U	27.6 J	< 9.7 U	33700 J-	< 9.6 U	< 4.1 U	202000	7950	< 2.7 U	< 14 U	< 20 U	< 30 U	< 4.2 U	< 42 U	< 80 U
Middle	MCF-10B	No	58	N	08/18/09	< 1.6 U	< 0.027 U	26.3	2.1 J	38900	4.1 J	< 0.075 U	237000	8280	< 0.1 U	< 0.85 U	< 3 U	< 0.11 U	< 0.1 U	13.5 J	< 10 U
Middle	MCF-10B	Yes	58	N	08/18/09	--	--	--	--	38800	--	--	234000	--	--	--	--	--	--	--	--
Middle	MCF-11	No	27	N	07/27/04	47.3 J	< 0.2 U	25.5 J	16.1 J	44400	3.5 J	< 10 U	351000	11400	< 10 U	2.1 J	29.6 J	4.1 J	2.4 J	11 J	< 20 U
Middle	MCF-11	No	37	N	05/16/06	67.3	< 0.093 U	7.3 J	11.3 J	55500	< 10 U	< 2 U	394000	11000	< 3.2 U	< 2 U	8.9 J	< 5 U	< 2.1 U	< 16 U	10.3 J
Middle	MCF-11	No	38	N	08/18/06	55.7	< 0.093 U	5.3 J	10.2 J	59200	< 10 U	< 2 U	456000	10200	< 3.2 U	< 2 U	6.1 J	< 5 U	< 2.1 U	< 16 U	< 20 U
Middle	MCF-11	No	42	N	10/27/06	69.2	< 0.093 U	< 10 U	11.2 J	59000	< 20 U	< 4.1 U	421000	12100	< 6.4 U	< 4 U	< 7.8 U	< 10 U	< 4.2 U	< 32 U	23.5 J
Middle	MCF-11	No	44	N	02/23/07	81.1	< 0.093 U	< 10 U	< 10 U	64500 J	< 20 U	< 4.1 U	440000 J	12200	< 6.4 U	< 4 U	< 7.8 U	< 10 U	< 4.2 U	< 32 U	< 20 U
Middle	MCF-11	No	51	N	05/07/08	47.4 J	< 0.061 U	< 11 U	< 12 U	55700 J-J-CAB	< 12 U	< 5.1 U	384000 J-J-CAB	11600	< 3.4 U	< 17 U	< 25 U	< 38 U	< 5.2 U	< 52 U	< 100 U
Middle	MCF-11	No	58	N	08/17/09	39.7	< 0.027 U	0.99 J	3.6 J	63500 J-TDS	< 3.5 U	< 0.075 U	459000 J-TDS	11800	< 0.1 U	< 0.85 U	2.6	< 0.11 U	< 0.1 U	< 0.7 U	< 10 U
Middle	MCF-11	Yes	58	N	08/17/09	--	--	--	--	62900	--	--	453000	--	--	--	--	--	--	--	--
Middle	MCF-12C	No	27	N	07/21/04	122	<														

TOTAL METALS RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
 (Page 20 of 22)

Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
					MCL	--	2	--	--	--	50	--	--	--	2	--	--	--	30	--	--
					BCL	510	10.95	180	730	--	50	180	--	21900	2	21900	146000	270	30	180	11000
Middle	MCF-16B	No	38	N	08/23/06	771	< 0.093 U	882	< 100 U	14200000	< 100 U	< 20 U	3280000	5510	< 32 U	< 20 U	< 39 U	< 50 U	< 21 U	< 160 U	< 1000 UJ
Middle	MCF-16B	No	42	N	11/06/06	841	< 0.093 U	953 J	< 100 U	15400000	< 200 U	< 41 U	3120000	5170	< 64 U	< 40 U	< 78 U	< 100 U	< 42 U	< 320 U	1550 J
Middle	MCF-16B	No	44	N	02/20/07	810	< 0.093 U	910 J	< 100 U	14900000	< 200 U	< 41 U	3260000	5430 J+	< 64 U	< 40 U	< 78 U	< 100 U	< 210 U	< 320 U	< 200 U
Middle	MCF-16B	No	51	N	05/19/08	817 J	< 0.061 U	771 J+	< 390 U	13700000	< 380 U	< 160 U	2710000	4390 J+	< 110 U	< 540 U	< 810 U	< 1200 U	< 170 U	< 1700 U	< 3200 U
Middle	MCF-16B	No	58	N	09/30/09	867	< 0.027 UJ	979	9.6 J	16300000 J-CAB&TDS	65.6 J	< 0.15 U	3360000 J-CAB&TDS	4470	< 0.2 U	< 1.7 U	10.4	< 0.22 U	1.9 J	< 1.4 U	< 20 U
Middle	MCF-16B	Yes	58	N	09/30/09	--	--	--	--	15600000	--	--	3350000	--	--	--	--	--	--	--	--
Middle	MCF-24B	No	58	N	10/05/09	420	R	116	8.2 J	4750000 J-TDS	36.3 J	< 0.15 UJ	1470000 J-TDS	9300	< 0.2 U	1.7 J	10	< 0.22 U	0.7 J	5 J-	< 20 UJ
Middle	MCF-24B	Yes	58	N	10/05/09	--	--	--	--	3900000	--	--	1280000	--	--	--	--	--	--	--	--
Middle	MCF-28B	No	58	N	10/01/09	2190	< 0.027 UJ	978	15 J	2190000 J-TDS	8.6 J	< 0.15 U	9880000 J-TDS	14100	< 0.2 U	< 1.7 U	7.6 J	< 0.22 U	1.7 J	< 1.4 U	20.2 J
Middle	MCF-28B	Yes	58	N	10/01/09	--	--	--	--	2370000	--	--	11000000	--	--	--	--	--	--	--	--
Middle	MCF-29B	No	58	N	10/09/09	2880	< 0.027 UJ	995	23.5 J	11500000 J-TDS	< 35 U	< 0.75 U	24800000 J-TDS	10800	< 1 U	< 8.5 U	< 3 U	< 1.1 UJ	4.4 J	< 7 U	< 100 U
Middle	MCF-29B	Yes	58	N	10/09/09	--	--	--	--	11500000	--	--	24400000	--	--	--	--	--	--	--	--
Middle	MCF-30B	No	58	N	10/05/09	1230	R	267	< 15 U	9990000 J-CAB&TDS	58.1 J	< 0.75 U	31100000 J-CAB&TDS	7660	< 1 U	< 8.5 U	< 3 U	< 1.1 U	8.4 J	< 7 UJ	< 100 UJ
Middle	MCF-30B	Yes	58	N	10/05/09	--	--	--	--	11300000	--	--	37200000	--	--	--	--	--	--	--	--
Middle	MCF-31B	No	58	N	10/09/09	1200	< 0.027 UJ	8.3 J	20.3 J	4230000 J-TDS	< 35 U	< 0.75 U	24300000 J-TDS	29200	< 1 U	< 8.5 U	< 3 U	< 1.1 U	< 1 U	< 7 U	< 100 U
Middle	MCF-31B	Yes	58	N	10/09/09	--	--	--	--	4230000	--	--	23900000	--	--	--	--	--	--	--	--
Middle	MCF-32B	No	58	N	10/02/09	43.8	< 0.027 U	147	4.9 J	142000 J-CAB&TDS	< 1.4 U	< 0.03 U	494000 J-CAB&TDS	9810	< 0.04 U	< 0.34 U	< 3 U	< 0.044 U	0.7 J	1.3 J	< 4 U
Middle	MCF-32B	Yes	58	N	10/02/09	--	--	--	--	142000	--	--	496000	--	--	--	--	--	--	--	--
Deep	MCF-01A	No	27	N	07/25/04	< 50 U	< 0.2 U	69.4	31.2 J	157000 J	< 5 U	< 10 UJ+	313000	13300	< 10 U	< 50 U	< 50 U	< 25 UJ+	< 50 U	14 J	< 20 U
Deep	MCF-01A	No	37	N	05/30/06	15.7 J	< 0.093 U	18.3 J	11.8 J	21200	< 10 U	< 2 U	391000	7380	< 3.2 U	< 2 U	< 3.9 U	< 5 U	< 2.1 U	< 16 U	26.5 J
Deep	MCF-01A	No	38	N	08/07/06	21.5	< 0.093 U	18 J	7.6 J	22400	< 10 U	< 2 U	394000	7560	< 3.2 U	< 2 U	5.5 J	< 5 U	< 2.1 U	< 16 U	< 10 U
Deep	MCF-01A	No	42	N	10/24/06	82.7	< 0.093 U	16.3 J	14.5 J	23700	< 20 U	< 4.1 U	424000	8730	< 6.4 U	< 4 U	< 7.8 U	< 10 U	< 4.2 U	< 32 U	29 J-
Deep	MCF-01A	No	44	N	02/02/07	82.7	< 0.093 U	16.8 J	12.5 J	23600	< 20 U	< 4.1 U	414000	9140	< 6.4 U	< 4 U	< 7.8 U	< 10 U	< 4.2 U	< 32 U	< 20 U
Deep	MCF-01A	No	51	N	04/28/08	119	< 0.061 U	18.4 J	13.4 J	23600	< 12 U	< 5.1 U	387000	9770	< 34 U	< 17 U	< 25 U	< 38 U	< 5.2 U	< 52 U	< 100 UJ
Deep	MCF-01A	No	58	N	08/10/09	74.5	< 0.027 U	20.7	2.5 J	23900	< 0.7 U	< 0.015 U	417000	9560	< 0.02 U	< 0.17 U	7.3 J	< 0.022 U	0.069 J	0.14 J	< 2 U
Deep	MCF-01A	Yes	58	N	08/10/09	--	--	--	--	23900	--	--	423000	--	--	--	--	--	--	--	--
Deep	MCF-02A	No	27	N	07/15/04	13.7	< 0.2 U	14.1	2.1 J	9920	< 5 U	< 10 U	155000	726	< 10 U	0.89 J	6.6 J	5.4	2.3 J	9 J	63.1
Deep	MCF-02A	No	37	N	05/10/06	< 1.7 U	< 0.093 U	9.6 J	< 2.6 U	9510	< 5 U	< 1 U	166000	719	< 1.6 U	< 1 U	< 2 U	2.5 J	2.3 J	14.2 J	< 5 U
Deep	MCF-02A	No	38	N	08/04/06	1.2 J	< 0.093 U	9.7	10.8 J	10200	< 1.8 J	< 0.2 U	168000	706	< 0.32 U	< 0.2 U	1.6 J	3.9 J+	2.4 J	< 8 U	< 20 U
Deep	MCF-02A	No	42	N	11/07/06	< 1.7 U	< 0.093 U	10.2 J	9.5 J	9730	< 5 U	< 1 U	165000	719	< 1.6 U	< 1 U	< 2 U	3.4 J	2.3 J	9 J	36.6 J
Deep	MCF-02A	No	44	N	02/15/07	7 J	< 0.093 U	16.4 J	19.2 J	10700	< 10 U	< 2 U	175000	722	6.4 J	13 J	11.6 J	15.9 J	2.2 J	< 16 U	13.6 J
Deep	MCF-02A	No	51	N	05/02/08	< 6 U	< 0.061 U	9.9 J	23.6 J	8850	< 4.8 U	< 2 U	152000	669	< 1.4 U	< 6.8 U	< 10 U	< 15 U	< 2.1 U	< 21 U	< 40 U
Deep	MCF-02A	No	58	N	08/21/09	1.9 J	< 0.027 U	11.2 J	42.5	10100 J-TDS	< 3.5 U	< 0.075 U	166000 J-TDS	657	< 0.1 U	< 0.85 U	< 3 U	< 0.11 U	2.2 J	11.4 J	< 10 U
Deep	MCF-02A	Yes	58	N	08/21/09	--	--	--	--	10000	--	--	167000	--	--	--	--	--	--	--	--
Deep	MCF-03A	No	27	N	07/13/04	43.2	< 0.2 U	28.6	3.7 J	13700	< 5 U	< 10 UJ+	180000	724	< 10 U	< 10 U	6.6 J	< 5 U	2.7 J	5.6 J	590
Deep	MCF-03A	No	37	N	06/07/06	2110 J+	< 0.093 U	14.8 J	115 J+	38400	7.1 J-	1.5 J	163000	1020	< 1.6 UJ	4.2 J	2640	< 2.5 UJ	16.4	174	2050
Deep	MCF-03A	No	38	N	08/14/06	35.3	< 0.093 U	10.1 J	38.9	12600	< 5 U	< 1 U	179000	415	< 1.6 U	< 1 U	41.8	< 2.5 U	1.7 J	< 8 U	26.4
Deep	MCF-03A	No	42	N	11/02/06	23.5	< 0.093 U	22.5 J	101	13400	< 5 U	2.1 J	186000	431	< 1.6 U	< 1 U	8.9 J	< 2.5 U	1.5 J	24.8 J	50.2
Deep	MCF-03A	No	44	N	02/27/07	86.7	< 0.093 U	87.7	461	13100 J	< 10 U	< 2 U	186000 J	512	5.6 J	13.1 J	13.8 J	14 J	14.4	21.1 J	29.7 J
Deep	MCF-03A	No	51	N	04/24/08	64.1	< 0.093 U	12.2 J	74.3	13200 J-CAB	< 0.48 U	< 0.2 U	160000 J-CAB	439	< 1.4 U	< 0.68 U	53.2	< 1.5 U	1.7 J	< 2.1 U	29.9 J-
Deep	MCF-03A	No	58	N	08/13/09	8.3	< 0.027 U	60	13.5	13000 J-CAB&TDS	< 0.7 UJ	< 0.015 U	188000 J-CAB&TDS	437	< 0.02 U	< 0.17 U	14.5	< 0.022 U	1.5	19.2	14.5
Deep	MCF-03A	Yes	58	N	08/13/09	--	--	--	--	12700	--	--	192000 J	--	--	--	--	--	--	--	--
Deep	MCF-04	No	27	N	07/13/04	44.3	< 0.2 U	180	22.2	72700	< 5 U	< 10 UJ+	560000	8670	< 10 U	< 10 U	6.5 J	< 5 U	2.8 J	1.9 J	< 20 U
Deep	MCF-04	No	37	N	05/10/06	141	< 0.093 U	89.2 J	19.6 J	88200	< 20 U	< 4.1 U	723000	9770	< 6.4 U	< 4 U	< 7.8 U	19 J	< 4.2 U	< 32 U	39.4 J
Deep	MCF-04	No	38	N	08/15/06	155	< 0.093 U	94.6 J	16.3 J+	90100	< 20 U	< 4.1 U	752000	9820	< 6.4 U	< 4 U	10.4 J+	< 10 U	< 4.2 U	< 32 U	26.6 J
Deep	MCF-04	No	42	N	11/08/06	137	< 0.093 U	87.2	15.4 J	82100	< 10 U	< 2 U	705000	9310	4.3 J	< 2 U	< 3.9 U	6.9 J	< 2.1 U	< 16 U	< 10 U
Deep	MCF-04	No	44	N	02/20/07	160	< 0.093 U	97.9 J	< 13 U	97200	< 25 U	< 5.1 U	793000	10800	< 8 U	< 5 U	< 9.8 U	< 13 U	< 5.2 U	< 40 U	< 25 U
Deep	MCF-04	No	51	N	04/30/08	149	< 0.061 U	84.7 J	< 24 U	90500	< 24 U	< 10 U	712000	10000	< 6.8 U	< 34 U	< 51 U	< 76 U	< 10 U	< 100 U	< 200 U
Deep	MCF-04	No	58	N	08/28/09	182	< 0.027 U	104	7.1 J	90900 J-TDS	< 7 U	< 0.15 U	719000 J-TDS	9250	< 0.2 U	< 1.7 U	7 J	< 0.22 U	0.83 J	< 1.4 U	629
Deep	MCF-04	Yes	58	N	08/28/09	--	--	--	--	90800	--	--	720000	--	--	--	--	--	--	--	--
Deep	MCF-06A-R	No	58	N	09/21/09	114															

TOTAL METALS RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc	
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
					MCL	--	2	--	--	--	50	--	--	--	2	--	--	--	30	--	--	
					BCL	510	10.95	180	730	--	50	180	--	21900	2	21900	146000	270	30	180	11000	
Deep	MCF-07	Yes	58	N	09/11/09	--	--	--	--	R	--	--	R	--	--	--	--	--	--	--	--	--
Deep	MCF-08A	No	27	N	07/18/04	410	< 0.2 U	344	56.7 J-	1660000	< 25 U	< 50 U	11200000	15400	< 50 U	< 10 U	31.7 J-	< 5 U	1.9 J	< 10 U	423	
Deep	MCF-08A	No	37	N	06/07/06	784 J+	< 0.093 U	589 J	< 210 U	3010000	636 J-	< 81 U	17000000	12900	< 130 UJ	99 J	< 160 U	568 J-	139 J	< 640 U	2310 J	
Deep	MCF-08A	No	38	N	08/23/06	< 1700 U	< 0.093 U	< 2500 U	< 1000 U	3240000	< 5000 U	< 1000 U	27900000	15300	1980 J	< 1000 U	< 2000 U	3090 J	< 1000 U	< 8000 U	2280 J-	
Deep	MCF-08A	No	42	N	11/10/06	772	< 0.093 U	415	39.6 J	3440000	< 10 U	< 2 U	29900000	10900	< 3.2 U	< 2 U	53.7	< 5 U	8.2 J	< 16 U	76.8 J	
Deep	MCF-08A	No	44	N	02/08/07	928 J	< 0.093 U	515 J	< 260 U	3380000	< 500 U	< 100 U	19900000	13600 J+	< 160 U	< 100 U	< 200 U	< 250 U	< 100 U	< 800 U	< 500 U	
Deep	MCF-08A	No	51	N	05/06/08	< 1200 U	< 0.061 U	< 900 U	< 970 U	3080000 J-J-CAB	< 960 U	< 410 U	26300000 J-J-CAB	15300	< 270 U	< 1400 U	< 2000 U	< 3000 U	< 420 U	< 4200 U	< 8000 U	
Deep	MCF-08A	No	58	N	08/31/09	1200	< 0.027 U	474	24 J	3010000 J-CAB&TDS	< 7 U	< 0.15 U	26200000 J-CAB&TDS	12700	< 0.2 U	1.9 J	< 3 U	< 0.22 U	9.5 J	< 1.4 U	< 20 U	
Deep	MCF-08A	Yes	58	N	08/31/09	--	--	--	--	3500000	--	--	30600000	--	--	--	--	--	--	--	--	--
Deep	MCF-09A	No	27	N	07/19/04	402	< 0.2 U	981	28.1	579000	< 25 U	< 50 U	4170000	9740	21.2 J	< 10 U	< 100 U	< 5 U	1.5 J	< 10 U	84.8 J	
Deep	MCF-09A	No	37	N	05/16/06	444	< 0.093 U	1090	< 52 U	596000	< 100 U	< 20 U	4720000	10500	< 32 U	< 20 U	< 39 U	< 50 U	< 21 U	< 160 U	< 100 U	
Deep	MCF-09A	No	38	N	08/10/06	491	< 0.093 U	1100	< 100 U	613000	< 200 U	< 41 U	5220000	10800	< 64 U	< 40 U	< 78 U	< 100 U	< 42 U	< 320 U	216 J	
Deep	MCF-09A	No	42	N	10/24/06	456	< 0.093 U	1080	< 100 U	604000	< 200 U	< 41 U	4900000	9810	< 64 U	< 40 U	< 78 U	< 100 U	< 42 U	< 320 U	453 J-	
Deep	MCF-09A	No	44	N	02/12/07	432 J	< 0.093 U	1020 J+	< 260 U	577000	< 500 U	< 100 U	4720000	9280	< 160 U	< 100 U	< 200 U	< 250 U	< 100 U	< 800 U	< 500 U	
Deep	MCF-09A	No	51	N	04/28/08	519	< 0.061 U	1170	29.6 J	615000	< 12 U	< 5.1 U	4450000	10000	< 34 U	< 17 U	< 100 U	< 38 U	< 5.2 U	< 52 U	< 100 UJ	
Deep	MCF-09A	No	58	N	08/17/09	452	< 0.027 U	1120	3.9 J	650000 J-CAB&TDS	6.6 J	< 0.075 U	5180000 J-CAB&TDS	10300	< 0.1 U	< 0.85 U	7.4 J	< 0.11 U	< 0.1 U	< 0.7 U	< 10 U	
Deep	MCF-09A	Yes	58	N	08/17/09	--	--	--	--	658000	--	--	5270000	--	--	--	--	--	--	--	--	--
Deep	MCF-10A	No	27	N	07/21/04	24.7	< 0.2 U	89	29.7	116000	< 25 U	< 50 U	987000	9950	< 50 U	< 10 U	< 100 U	7.6	1.3 J	< 10 U	< 100 U	
Deep	MCF-10A	No	37	N	05/31/06	94.8	< 0.093 U	128	13.8 J	164000	< 25 U	< 5.1 U	1460000	12100	< 8 U	< 5 U	< 9.8 U	< 13 U	< 10 U	< 40 U	< 50 UJ	
Deep	MCF-10A	No	38	N	08/21/06	86.5	< 0.093 U	110 J	16.3 J	162000	< 25 U	< 5.1 U	1280000	9290	< 8 U	< 5 U	< 9.8 U	< 13 U	< 5.2 U	< 40 U	88.5 J	
Deep	MCF-10A	No	42	N	11/14/06	93.9 J	< 0.093 U	111 J-	29 J	156000	< 50 U	< 10 U	1220000	11400	< 16 U	< 10 U	< 20 U	< 25 U	< 10 U	< 80 U	70.6 J-	
Deep	MCF-10A	No	44	N	02/16/07	165	< 0.093 U	178 J	68.7 J	176000	57.7 J	14.1 J+	1360000	12100	53.9 J	117	105	120 J	< 10 U	< 32 U	74.5 J	
Deep	MCF-10A	No	51	N	05/23/08	119 J	< 0.061 U	103 J	< 39 U	1540000 J-J-CAB	< 38 U	< 16 U	11900000 J-CAB	10500 J	< 11 U	< 54 U	< 81 U	< 120 U	< 17 U	< 170 UJ	< 320 U	
Deep	MCF-10A	No	58	N	08/31/09	136	< 0.027 U	109	15.3 J	R-CAB&TDS	< 7 U	< 0.15 U	R-CAB&TDS	10700	< 0.2 U	< 1.7 U	3	< 0.22 U	1.5 J	< 1.4 U	21.9 J	
Deep	MCF-10A	Yes	58	N	08/31/09	--	--	--	--	182000	--	--	1360000	--	--	--	--	--	--	--	--	--
Deep	MCF-12A	No	27	N	07/22/04	12.3	< 0.2 U	88.6	32.4	371000	< 5 U	< 10 U	879000	9580	< 10 U	0.96 J	9.7 J	7.4	0.43 J	2.1 J	< 20 U	
Deep	MCF-12A	No	37	N	05/18/06	87.9	< 0.093 U	61.5 J	13.8 J	362000	< 20 U	< 4.1 U	928000	9030	< 6.4 U	< 4 U	< 7.8 U	< 10 U	< 4.2 U	< 32 U	< 20 UJ	
Deep	MCF-12A	No	38	N	08/10/06	109	< 0.093 U	72.2 J	17.8 J	398000	< 20 U	< 4.1 U	978000	9690	< 6.4 U	< 4 U	< 7.8 U	< 10 U	< 10 U	< 32 U	< 20 U	
Deep	MCF-12A	No	42	N	11/10/06	93.4	< 0.093 U	64.1	18.9 J	337000	< 10 U	< 2 U	928000	8370	< 3.2 U	< 2 U	< 3.9 U	< 5 U	< 2.1 U	< 16 U	< 10 U	
Deep	MCF-12A	No	44	N	02/23/07	110	< 0.093 U	67.2 J	< 26 U	396000 J	< 50 U	< 10 U	966000 J	10100	< 16 U	< 10 U	< 20 U	< 25 U	< 10 U	< 80 U	< 50 U	
Deep	MCF-12A	No	51	N	05/08/08	116 J	< 0.061 U	61.1 J	< 49 U	3290000 J-J-CAB	< 48 U	< 20 U	8070000 J-CAB	8950	< 14 U	< 68 U	< 100 U	< 150 U	< 21 U	< 210 U	< 400 U	
Deep	MCF-12A	No	58	N	08/27/09	144	< 0.027 U	43 J	20.2 J	398000	< 7 UJ	< 0.15 U	1040000	10100	< 0.2 U	< 1.7 U	5.4 J	< 0.22 U	< 0.2 U	< 1.4 U	< 20 U	
Deep	MCF-12A	Yes	58	N	08/27/09	--	--	--	--	382000	--	--	1000000	--	--	--	--	--	--	--	--	--
Deep	MCF-16A	No	27	N	07/23/04	2200	< 0.2 U	1560	39.3	245000	< 5 U	< 10 U	2960000	10600	< 10 U	< 10 U	39	< 5 U	6.2 J	6.8 J	< 20 U	
Deep	MCF-16A	No	37	N	05/18/06	3510	0.15 J	1830 J	< 260 U	15400000	< 500 U	< 100 U	3930000	4030	< 160 U	< 100 U	< 200 U	< 250 U	< 100 U	< 800 U	< 500 UJ	
Deep	MCF-16A	No	38	N	08/21/06	3770	< 0.093 U	2040	< 52 U	15600000	< 100 U	< 20 U	3890000	3430	< 32 U	< 20 U	< 39 U	< 50 U	< 21 U	< 160 U	782 J	
Deep	MCF-16A	No	42	N	11/06/06	4170	< 0.093 U	2050	< 100 U	16700000	< 200 U	< 41 U	4130000	3630	< 64 U	< 40 U	< 78 U	< 100 U	< 42 U	< 320 U	1650 J	
Deep	MCF-16A	No	44	N	02/16/07	3840	< 0.093 U	1950	< 100 U	16000000	< 200 U	< 41 U	4170000	3820	< 64 U	< 40 U	< 78 U	< 100 U	< 210 U	< 320 U	202 J	
Deep	MCF-16A	No	51	N	05/19/08	2930	< 0.061 U	1430 J+	< 97 U	11900000 J-CAB	< 96 U	< 41 U	27800000 J-CAB	1910 J+	< 27 U	< 140 U	< 1000 U	< 300 U	< 42 U	< 420 U	1030 J	
Deep	MCF-16A	No	58	N	10/05/09	4430	R	2240	11.1 J	16500000 J-CAB&TDS	88.3 J	< 0.3 UJ	4310000 J-CAB&TDS	3420	< 0.4 U	< 3.4 U	< 3 U	< 0.44 UJ	2.2 J	4.2 J-	< 40 UJ	
Deep	MCF-16A	Yes	58	N	10/05/09	--	--	--	--	15900000	--	--	4170000	--	--	--	--	--	--	--	--	--
Deep	MCF-17A	No	51	N	07/21/08	1050	< 0.061 UJ	406 J	< 240 U	1790000	< 240 UJ	< 100 U	16800000	17300	< 68 U	< 340 U	< 510 U	< 760 U	< 100 U	< 1000 U	< 2000 U	
Deep	MCF-17A	No	58	N	09/29/09	904 J-	< 0.027 UJ	421	< 12 UJ	2070000	< 28 UJ	< 0.6 UJ	18600000	15200	< 0.8 UJ	< 6.8 U	< 3 U	< 0.88 U	< 0.8 UJ	< 5.6 UJ	< 80 UJ	
Deep	MCF-17A	No	58	FD	09/29/09	895 J-	< 0.027 UJ	410	< 12 UJ	2020000	< 28 UJ	< 0.6 UJ	18200000	14600	< 0.8 UJ	< 6.8 U	< 0.6 U	< 0.88 U	< 0.8 UJ	< 5.6 UJ	< 80 UJ	
Deep	MCF-17A	Yes	58	N	09/29/09	--	--	--	--	2040000	--	--	18200000	--	--	--	--	--	--	--	--	--
Deep	MCF-17A	Yes	58	FD	09/29/09	--	--	--	--	2120000	--	--	18800000	--	--	--	--	--	--	--	--	--
Deep	MCF-18A	No	51	N	07/18/08	1530	< 0.061 UJ	247 J	< 240 U	6600000 J-CAB	< 240 UJ	< 100 U	48200000 J-CAB	69400	< 68 U	< 340 U	< 510 U	< 760 U	< 100 U	< 1000 U	< 2000 U	
Deep	MCF-18A	No	58	N	09/21/09	847	< 0.027 UJ	234	26 J	7090000 J-TDS	< 14 UJ	< 0.15 U	58900000 J-TDS	61700 J+	< 0.2 U	2.8 J	20.3	< 0.22 U	1.2 J	< 1.4 U	< 20 U	
Deep	MCF-18A	No	58	FD	09/21/09	896	< 0.027 UJ	238	23.8 J	7310000 J-TDS	< 14 UJ	< 0.15 U	60000000 J-TDS	62200 J+	< 0.2 U	3.2 J	18.2	< 0.22 U	1.3 J	< 1.4 U	< 20 U	
Deep	MCF-18A	Yes	58	N	09/21/09	--	--	--	--	6870000	--	--	57500000	--	--	--	--	--	--	--	--	--
Deep	MCF-18A	Yes	58	FD	09/21/09	--	--	--	--	6910000	--	--	53400000	--	--	--	--	--	--	--	--	--
Deep	MCF-19A	No	51	N	07/21/08	828 J	< 0.061 UJ	2170 J	< 240 U	5420000	< 240 UJ	< 100 U	21200000	14600	< 68 U	< 340 U	< 510 U	< 760 U	< 100 U	< 1000 U	< 2000 U	
Deep	MCF-19A	No	58	N	09/03/09	1280	0.028 J-	2170	7.7 J	4920000 J-CAB&TDS	< 14 U	< 0.3 U	20600000 J-CAB&TDS	12500	< 0.4 U	< 3.4 U	16.8 J	< 0.44 U	< 0.4 U	< 2.8 U	79.3 J	
Deep	MCF-19A	No	58	FD	09/03/09	1100	0.041 J-	2130	8.3 J	5410000 J-TDS	< 14 U	< 0.3 U	23600000 J-TDS</									

TOTAL METALS RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Strontium	Thallium	Tin	Titanium	Tungsten	Uranium	Vanadium	Zinc	
					Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
					MCL	--	2	--	--	--	50	--	--	--	2	--	--	--	30	--	--	
					BCL	510	10.95	180	730	--	50	180	--	21900	2	21900	146000	270	30	180	11000	
Deep	MCF-20A	Yes	58	N	09/03/09	--	--	--	--	8930000	--	--	30000000	--	--	--	--	--	--	--	--	--
Deep	MCF-21A	No	51	N	07/23/08	2440	< 0.061 UJ	< 450 U	< 490 U	12200000	< 480 U	< 200 U	13500000	501 J-	< 140 U	< 680 U	< 1000 U	< 1500 U	< 210 U	< 2100 U	< 4000 U	
Deep	MCF-21A	No	58	N	08/25/09	1760	< 0.027 U	64.3 J+	6.8 J	12900000 J-TDS	< 7 UJ	0.18 J	14900000 J-TDS	3550	< 0.2 U	2.2 J	9.6 J	< 0.22 U	0.85 J	2.2 J	31.2 J	
Deep	MCF-21A	Yes	58	N	08/25/09	--	--	--	--	12400000	--	--	14500000	--	--	--	--	--	--	--	--	--
Deep	MCF-22A	No	51	N	07/23/08	259	< 0.061 UJ	12.2 J	13.4 J	90000	< 4.8 U	< 2 U	224000	11100 J-	< 1.4 U	< 6.8 U	< 10 U	< 15 U	< 2.1 U	< 21 U	< 40 U	
Deep	MCF-22A	No	58	N	10/09/09	276	< 0.027 UJ	9.2 J	5.2 J	R-CAB&TDS	< 1.4 U	< 0.03 U	R-CAB&TDS	10700	< 0.04 U	0.94 J	5.5 J	< 0.044 UJ	0.19 J	< 0.28 U	< 4 U	
Deep	MCF-22A	Yes	58	N	10/09/09	--	--	--	--	111000	--	--	274000	--	--	--	--	--	--	--	--	--
Deep	MCF-23A	No	51	N	07/21/08	686 J	< 0.061 UJ	2510	< 240 U	3170000	< 240 UJ	< 100 U	13300000	13000	< 68 U	< 340 U	< 510 U	< 760 U	< 100 U	< 1000 U	< 2000 U	
Deep	MCF-23A	No	58	N	10/05/09	794	R	2300	10.6 J	3620000 J-CAB&TDS	63.5 J	< 0.3 UJ	14700000 J-CAB&TDS	11800	< 0.4 U	< 3.4 U	< 3 U	< 0.44 U	1.3 J	< 2.8 UJ	202 J	
Deep	MCF-23A	Yes	58	N	10/05/09	--	--	--	--	3600000	--	--	14300000	--	--	--	--	--	--	--	--	--
Deep	MCF-24A	No	51	N	07/28/08	7900	< 0.061 UJ	4280	296 J+	13800000 J-CAB	< 240 U	< 100 U	6950000 J-CAB	645 J-	< 68 U	< 340 U	< 1000 U	< 760 U	< 100 U	< 1000 U	< 2000 U	
Deep	MCF-24A	No	58	N	08/28/09	5720	< 0.027 U	3040	8.9 J	15300000 J-TDS	42.9 J+	< 0.15 U	7950000 J-TDS	2310	< 0.2 U	< 1.7 U	11.8	< 0.22 U	5.9 J	2.9 J	< 20 U	
Deep	MCF-24A	Yes	58	N	08/28/09	--	--	--	--	15500000	--	--	7980000	--	--	--	--	--	--	--	--	--
Deep	MCF-25A	No	51	N	07/28/08	305	< 0.061 UJ	174	32 J+	157000	< 9.6 U	< 4.1 U	999000	10500 J-	< 2.7 U	< 14 U	< 51 U	< 30 U	< 4.2 U	< 42 U	< 80 U	
Deep	MCF-25A	No	58	N	08/28/09	370	< 0.027 U	109	6.7 J	162000 J-TDS	9.7 J+	< 0.15 U	1060000 J-TDS	8460	< 0.2 U	< 1.7 U	5.4 J	< 0.22 U	1.2 J	< 1.4 U	58.5 J	
Deep	MCF-25A	Yes	58	N	08/28/09	--	--	--	--	167000	--	--	1060000	--	--	--	--	--	--	--	--	--
Deep	MCF-27	No	27	N	07/26/04	< 10 U	< 0.2 U	13.4	10	84500	< 5 U	< 10 U	206000	2590	< 10 U	< 10 U	3.7 J	< 5 U	< 10 U	11.6	< 20 U	
Deep	MCF-27	No	37	N	05/19/06	< 1.7 U	< 0.093 U	11.1 J-	2.9 J+	11100	< 5 U	< 1 U	224000	1290	< 1.6 UJ	< 1 U	2.1 J-	< 2.5 UJ	1.3 J	17.8 J	< 5 U	
Deep	MCF-27	No	38	N	08/02/06	3.3 J	< 0.093 U	11.3 J	3.4 J	12300	< 5 U	< 1 U	232000	1340 J	< 1.6 U	< 1 U	< 2 U	< 2.5 U	1.2 J+	< 8 U	< 5 U	
Deep	MCF-27	No	42	N	10/20/06	< 6.8 U	< 0.093 U	11.1 J	< 10 U	11800	< 20 U	< 4.1 U	214000	1250	< 6.4 U	< 4 U	< 7.8 U	< 10 U	< 4.2 U	< 32 U	< 20 UJ	
Deep	MCF-27	No	44	N	02/20/07	10.7 J	< 0.093 U	18.3 J	13.3 J	12800	< 10 U	< 2 U	225000	1440 J+	6.1 J	13.5 J	12.8 J	13.7 J	< 2.1 U	23.9 J	< 10 U	
Deep	MCF-27	No	51	N	05/19/08	< 12 U	< 0.061 U	9.6 J+	< 9.7 U	11900	< 9.6 U	< 4.1 U	201000	1300 J+	< 2.7 U	< 14 U	< 20 U	< 30 U	< 4.2 U	< 42 U	< 80 U	
Deep	MCF-27	No	58	N	09/14/09	< 3.1 U	< 0.027 U	10.8 J	16.7 J	R-CAB&TDS	< 7 U	< 0.15 U	R-CAB&TDS	1340	< 0.2 U	< 1.7 U	< 3 U	< 0.22 U	1.5 J	17.5 J	< 20 U	
Deep	MCF-27	Yes	58	N	09/14/09	--	--	--	--	12600	--	--	231000	--	--	--	--	--	--	--	--	--
Deep	MCF-28A	No	58	N	09/29/09	1230 J-	< 0.027 UJ	222 J	< 30 UJ	6740000 J-CAB	< 70 UJ	< 1.5 UJ	40600000 J-CAB	32700	< 2 UJ	< 17 U	< 3 U	< 2.2 U	< 2 UJ	< 14 UJ	< 200 UJ	
Deep	MCF-28A	Yes	58	N	09/29/09	--	--	--	--	7840000	--	--	44400000	--	--	--	--	--	--	--	--	--
Deep	MCF-29A	No	58	N	09/29/09	1100 J-	< 0.027 UJ	1080	< 30 UJ	9800000	< 70 UJ	< 1.5 UJ	34100000	15600	< 2 UJ	< 17 U	< 3 U	< 2.2 U	< 2 UJ	< 14 UJ	< 200 UJ	
Deep	MCF-29A	Yes	58	N	09/29/09	--	--	--	--	8410000	--	--	39000000	--	--	--	--	--	--	--	--	--
Deep	MCF-30A	No	58	N	10/05/09	526	R	824	< 15 U	8690000 J-CAB&TDS	127 J	< 0.75 UJ	41200000 J-CAB&TDS	13600	< 1 U	< 8.5 U	< 3 U	< 1.1 U	1.5 J	< 7 UJ	< 100 UJ	
Deep	MCF-30A	Yes	58	N	10/05/09	--	--	--	--	8850000	--	--	45700000	--	--	--	--	--	--	--	--	--
Deep	MCF-31A	No	58	N	09/29/09	5440 J-	< 0.027 UJ	1020	< 30 UJ	7770000 J-TDS	< 70 UJ	< 1.5 UJ	43500000 J-TDS	11700	< 2 UJ	< 17 U	< 11.9 U	< 2.2 U	< 2 UJ	< 14 UJ	< 200 UJ	
Deep	MCF-31A	Yes	58	N	09/29/09	--	--	--	--	8230000	--	--	48400000	--	--	--	--	--	--	--	--	--

-- = no sample data.

Appendix C4
General Chemical Parameters
and Perchlorate

GENERAL CHEMISTRY AND PERCHLORATE RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Ammonia	Bromide	Bromine	Chlorate	Chloride	Chlorine	Chlorite	Cyanide, Total	Fluoride	Iodide	Ion Balance Difference	Nitrate	Nitrite
						Units	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	mg/L	mg/L	Pct	mg/L
						MCL	--	--	--	--	4	1000	200	4	--	--	10	1
						BCL	200	--	--	--	4	--	200	4	--	--	10	1
Shallow	AA-01	No	27	N	07/15/04	< 50 U	0.44	--	4.89	563	--	--	< 5 UJ-	1.8	< 0.5 U	--	6.6	449
Shallow	AA-01	No	37	N	04/26/06	< 5.5 U	< 0.5 U	< 5 U	3.44	892	1780	< 200 U	< 2.4 U	0.75 J-	< 0.3 U	--	11.8 J	--
Shallow	AA-01	No	38	N	08/01/06	< 5.5 U	< 0.5 U	< 5 U	4.2 J-	884	1700	< 1000 U	--	3.5	< 0.3 U	--	12.4	< 0.04 UJ
Shallow	AA-01	No	42	N	10/18/06	< 5.5 U	< 0.5 U	< 5 U	3.07	757	1510	< 200 U	--	3.1	< 15 U	--	< 2 U	< 2 UJ
Shallow	AA-01	No	44	N	01/25/07	< 5.5 U	19	38	5.96 J-	970	1940	< 400 U	--	1.7	< 0.3 U	--	20.7	< 2 UJ
Shallow	AA-01	No	51	N	04/22/08	< 7.8 U	0.39	0.79	4.2	711	1420	< 1000 U	< 2.8 R	1.7	< 3 U	0.78	8.3	< 1 U
Shallow	AA-01	No	58	N	08/07/09	< 8.1 U	0.49	0.97	5.4	719	1440	< 80 U	< 3.5 U	1.2	< 0.3 U	4.1	10.9	< 0.06 U
Shallow	AA-01	Yes	58	N	08/07/09	--	0.44	0.88	5.5	759	1520	< 80 U	--	1.2	< 0.3 U	--	9.9	< 0.06 U
Shallow	AA-07	No	27	N	07/24/04	< 50 U	0.57	--	0.658	315	--	--	< 5 U	0.53	< 0.5 UJ	--	10.1 J	--
Shallow	AA-07	No	37	N	06/06/06	< 5.5 U	0.88 J	1.8 J	< 1.0 U	283	566	< 200 U	< 2.4 U	0.66	< 0.3 U	--	13.1	< 0.04 U
Shallow	AA-07	No	38	N	08/16/06	< 5.5 U	31.4 J	62.8 J	< 1.0 U	232 J+	464 J+	< 100 UJ	--	< 10 U	< 0.3 U	--	11.2	< 2 UJ
Shallow	AA-07	No	42	N	11/03/06	< 5.5 U	< 0.5 U	< 5 U	2.43	307 J	610 J	< 200 U	--	0.79 J	< 15 U	--	16	< 2 UJ
Shallow	AA-07	No	44	N	02/26/07	< 5.5 U	< 0.5 U	< 5 U	4.35 J+	336	672	< 200 U	--	0.28 J	< 0.3 U	--	12.3 J-	< 2 UJ
Shallow	AA-07	No	51	N	04/21/08	< 7.8 U	0.68	1.3	0.79	273	546	< 1000 U	< 2.8 R	0.8	< 3 U	4.2	10.5 J-	< 0.2 UJ
Shallow	AA-07	No	58	N	08/10/09	< 8.1 U	0.67	1.3	0.78	261 J-TDS	522 J-TDS	< 40 U	< 3.5 U	0.68 J-TDS	< 0.3 U	4.9	10.6 J-TDS	< 0.06 U
Shallow	AA-07	Yes	58	N	08/10/09	--	0.68	1.4	0.84	277	553	< 40 U	--	0.66	< 0.3 U	--	10.5	< 0.06 U
Shallow	AA-08	No	27	N	07/19/04	50	1.3 J	--	< 0.02 U	1230	--	--	< 5 UJ-	1	0.128 J	--	5.4 J-	--
Shallow	AA-08	No	37	N	05/25/06	< 5.5 U	1.3 J-	2.6 J-	< 1.0 U	1240	2480	--	< 2.4 U	2.5 J-	< 0.3 U	--	7.5 J-	--
Shallow	AA-08	No	38	N	08/14/06	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	1190	2380	220	--	1.1 J+	< 0.3 U	--	8.1 J-	< 2 UJ
Shallow	AA-08	No	42	N	11/01/06	< 5.5 U	< 2.5 U	< 250 U	< 1.0 U	1120	2240	< 200 U	--	< 10 U	< 15 UJ	--	7.8	< 2 U
Shallow	AA-08	No	44	N	02/08/07	< 5.5 U	< 2.5 U	< 250 U	< 1.0 U	1490	2980	< 400 U	--	1.4 J+	0.53 J+	--	7.2	61.7 J+
Shallow	AA-08	No	51	N	05/16/08	< 7.8 U	1.3	2.7	1.2	1350 J-CAB	2690	< 400 U	< 3.6 U	1.2	< 3 U	12.6	6.8	< 1 UJ
Shallow	AA-08	No	58	N	08/14/09	< 8.1 U	1.4	2.7	0.59	975 J-TDS	1950 J-TDS	< 40 U	< 3.5 UJ	1.3 J-TDS	< 0.3 U	1.2	6.2 J-J-TDS	< 0.06 UJ
Shallow	AA-08	Yes	58	N	08/14/09	--	1.4	2.7	0.61	1000	2010	< 40 U	--	1.3	< 0.3 U	--	6.3 J-	< 0.06 UJ
Shallow	AA-09	No	27	N	07/20/04	< 50 U	0.95	--	< 0.2 U	1520	--	--	34.1	2.2	< 0.5 U	--	15.6 J-	--
Shallow	AA-09	No	37	N	05/01/06	< 5.5 U	< 0.5 U	< 5 U	97.3	1280 J	2550 J	--	< 2.4 U	0.41 J-	< 0.3 UJ	--	23.8 J	--
Shallow	AA-09	No	38	N	08/11/06	< 5.5 U	< 0.5 U	< 5 U	105 J+	1460 J	2920 J	< 200 U	--	1	< 0.3 U	--	15.9 J	--
Shallow	AA-09	No	42	N	10/23/06	< 5.5 U	< 25 UJ	< 250 UJ	124	1160	2320	< 400 U	--	0.91 J+	< 15 U	--	17 J+	< 2 UJ
Shallow	AA-09	No	44	N	01/26/07	< 5.5 U	2.5	5	127 J+	1290	2580	< 1000 U	--	0.87 J	< 15 U	--	28.1	< 2 U
Shallow	AA-09	No	51	N	05/16/08	< 7.8 U	0.87	1.7	89	1390	2770	< 1000 U	< 3.6 U	0.48 J	< 3 U	1.7	20	< 4 U
Shallow	AA-09	No	58	N	08/12/09	< 8.1 U	0.5	0.99	80.1	1090	2180	< 80 U	< 3.5 UJ	0.54 J	< 0.3 U	0.76	14.4	< 0.06 U
Shallow	AA-09	Yes	58	N	08/12/09	--	0.48	0.95	81.9	1080	2150	< 80 U	--	0.51 J	< 0.3 U	--	14.1	< 0.06 U
Shallow	AA-10	No	27	N	07/20/04	73.4	1.8	--	< 0.2 U	1330	--	--	< 5 U	1.9	< 0.5 U	--	6.2 J-	--
Shallow	AA-10	No	37	N	05/12/06	< 5.5 U	1 J	2 J	< 1.0 U	1320	2640	< 200 U	< 2.4 U	1.4 J-	< 0.3 U	--	8.2	< 0.04 UJ
Shallow	AA-10	No	38	N	08/11/06	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	1340 J	2680 J	< 200 U	--	4.3	< 0.3 U	--	6.5 J	--
Shallow	AA-10	No	42	N	10/27/06	< 5.5 UJ	< 25 U	< 250 U	< 1.0 U	1160 J+	2320 J+	--	--	1.5	< 15 UJ	--	6.6 J	--
Shallow	AA-10	No	44	N	02/05/07	< 5.5 UJ	< 25 U	< 250 U	2.01 J-	1050 J-	2100 J-	< 400 U	--	1.1	21.3 J+	--	7.2 J-	29.5 J
Shallow	AA-10	No	51	N	05/12/08	< 7.8 U	1.2	2.5	0.48 J	1170	2340	< 1000 U	59	0.9 J	< 3 U	4.3	6.9 J-	< 1 UJ
Shallow	AA-10	No	58	N	08/11/09	< 8.1 U	1.3	2.6	1.2	1030 J-TDS	2070 J-TDS	< 80 U	< 3.5 U	1 J-TDS	< 0.3 U	2.3	7.4 J-TDS	< 0.06 U
Shallow	AA-10	Yes	58	N	08/11/09	--	1.3	2.5	1.3	1030	2060	< 80 U	--	1	< 0.3 U	--	7.8	< 0.06 U
Shallow	AA-13	No	27	N	07/14/04	< 50 U	< 0.25 U	--	< 0.2 U	277	--	--	< 5 U	1.1	< 0.5 U	--	24.4	0.35 J
Shallow	AA-13	No	37	N	05/12/06	< 5.5 U	0.39	0.78	< 1.0 U	340	680	60 J	< 2.4 U	1.2 J-	< 0.3 U	--	29.7	< 0.04 UJ
Shallow	AA-13	No	38	N	08/03/06	< 5.5 U	1.3 J	2.6 J	< 1.0 U	390 J	780 J	< 400 U	--	< 0.2 U	< 0.3 U	--	25.3	< 0.04 UJ
Shallow	AA-13	No	42	N	10/20/06	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	357	714	89 J	--	< 0.2 U	< 15 U	--	25.8	< 2 UJ
Shallow	AA-13	No	44	N	01/26/07	< 5.5 U	0.9 J	1.8 J	< 1.0 U	390	780	< 400 U	--	1.1 J	< 0.3 U	--	111	< 2 U
Shallow	AA-13	No	51	N	05/12/08	< 7.8 U	0.41	0.81	< 0.053 U	322	644	< 400 U	< 28 U	0.92	< 3 U	2.1	26	< 0.4 U
Shallow	AA-13	No	58	N	08/13/09	18.9 J	0.45	0.89	< 0.047 U	371 J-TDS	742 J-TDS	< 20 U	4 J-	0.76 J-TDS	< 0.3 U	4.9	49.6 J-TDS	< 0.06 U
Shallow	AA-13	Yes	58	N	08/13/09	--	0.55	1.1	< 0.047 U	299	599	< 20 U	--	0.8	< 0.3 U	--	20.9	< 0.06 U
Shallow	AA-18	No	27	N	02/06/07	68.6	0.58	--	< 0.2 U	227	--	--	< 5 U	0.85	< 0.5 U	--	10.9	0.56
Shallow	AA-18	No	37	N	05/19/06	50.9	0.52	1	< 1.0 U	253	1010	< 40 U	< 2.4 U	0.86 J+	< 0.3 U	--	10.9	--
Shallow	AA-18	No	38	N	08/10/06	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	251	502	< 100 U	--	0.81	< 0.3 U	--	9.7 J	--
Shallow	AA-18	No	42	N	10/31/06	< 5.5 U	0.81 J	1.6 J	1.59 J	240	480	--	--	< 0.2 U	< 15 UJ	--	10 J-	--
Shallow	AA-18	No	44	N	02/06/07	< 5.5 UJ	< 25 U	< 250 U	5.16 J-	259 J-	518 J-	< 1000 U	--	0.26 J	< 0.3 U	--	8.6 J	< 2 UJ
Shallow	AA-18	No	51	N	05/13/08	< 7.8 U	0.46	0.93	< 0.053 U	225 J-CAB	450	< 100 U	< 28 U	0.71	< 3 U	7.2	10.8	< 0.4 U
Shallow	AA-18	No	58	N	08/11/09	23.2 J	0.48	0.97	0.23 J	R-CAB&TDS	R-CAB&TDS	< 40 U	< 3.5 U	R-CAB&TDS	< 0.3 U	5.3	R-CAB&TDS	< 0.06 U
Shallow	AA-18	Yes	58	N	08/11/09	--	0.48	0.97	0.21 J	212	424	< 40 U	--	0.71	< 0.3 U	--	10.8	< 0.06 U

GENERAL CHEMISTRY AND PERCHLORATE RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Ammonia	Bromide	Bromine	Chlorate	Chloride	Chlorine	Chlorite	Cyanide, Total	Fluoride	Iodide	Ion Balance Difference	Nitrate	Nitrite
						Units	ug/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	mg/L	mg/L	Pct	mg/L	mg/L
						MCL	--	--	--	--	4	1000	200	4	--	--	10	1
						BCL	200	--	--	--	4	--	200	4	--	--	10	1
Shallow	AA-20	No	27	N	07/23/04	301	< 130 U	--	90	1270	--	--	23.2 J-	0.48	< 0.5 U	--	19.4 J-	1.3 J-
Shallow	AA-20	No	37	N	05/02/06	< 5.5 U	< 0.5 U	< 5 U	93.3	1600 J-	4800 J-	--	< 2.4 U	< 0.0051 U	< 0.3 UJ	--	34.7	--
Shallow	AA-20	No	38	N	08/11/06	< 5.5 U	< 0.5 U	< 5 U	94.6 J+	1400 J	2800 J	--	--	1.6	< 0.3 U	--	19.2 J	--
Shallow	AA-20	No	42	N	10/30/06	< 5.5 U	< 25 U	< 250 U	99.2	1170	2340	< 400 U	--	0.73 J	< 15 UJ	--	24.3	< 2 UJ
Shallow	AA-20	No	44	N	01/30/07	< 5.5 U	5.4 J-	10.8 J-	120 J	1600 J-	3200 J-	--	--	< 0.2 U	< 15 U	--	34.2	< 2 UJ
Shallow	AA-20	No	51	N	05/14/08	< 7.8 U	0.57	1.1	97.5	1200 J-CAB	2390	< 1000 U	< 28 U	0.31	< 3 U	12.8	20.5	< 2 U
Shallow	AA-20	No	58	N	09/11/09	13.5 J	0.42	0.85	64	1100	2200	< 80 U	< 3.5 U	0.22	< 0.3 U	1.6	14.7	< 0.06 U
Shallow	AA-20	Yes	58	N	09/11/09	--	0.42	0.84	66.8	1100	2210	< 80 U	--	0.28	< 0.3 U	--	15.2	< 0.06 U
Shallow	AA-21	No	27	N	07/25/04	< 50 U	< 25 U	--	< 0.2 U	1740	--	--	< 5 U	< 10 U	< 0.5 U	--	5.5 J	--
Shallow	AA-21	No	37	N	05/19/06	< 5.5 U	0.97 J	1.9 J	< 1.0 U	1260	1550	< 200 U	< 2.4 U	2.7	< 0.3 U	--	7.5	< 0.04 U
Shallow	AA-21	No	38	N	08/17/06	< 5.5 U	4.6 J+	9.2 J+	< 1.0 UJ	< 23 U	< 400 U	< 200 UJ	--	3.6 J	< 0.3 U	--	6.7 J+	< 2 UJ
Shallow	AA-21	No	42	N	10/31/06	26.1 J	< 25 U	< 250 U	< 1.0 U	1290	2580	< 200 U	--	< 10 U	< 15 UJ	--	7.3 J-	8.7 J-
Shallow	AA-21	No	44	N	01/29/07	< 5.5 U	< 25 U	< 250 U	< 1.0 UJ	1430	2860	--	--	2.2	< 15 U	--	8.3 J	< 2 UJ
Shallow	AA-21	No	51	N	05/13/08	< 7.8 U	1	2	< 0.053 U	971	1940	< 400 U	< 28 U	1.9	< 3 U	5	6.6	< 2 U
Shallow	AA-21	No	58	N	08/12/09	89.9	0.94	1.9	< 0.047 U	994	1990	< 80 U	< 3.5 UJ	1.6 J	< 0.3 U	2.9	7.4	< 0.06 U
Shallow	AA-21	Yes	58	N	08/12/09	--	0.94	1.9	< 0.047 U	1000	2000	< 80 U	--	1.6 J	< 0.3 U	--	7.5	< 0.06 U
Shallow	AA-22	No	27	N	07/17/04	< 50 U	< 0.25 U	--	< 0.2 U	414	--	--	< 5 UJ-	< 0.1 U	< 0.5 U	--	4 J-	--
Shallow	AA-22	No	37	N	05/24/06	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	471	942	63 J-	< 2.4 U	0.44 J+	< 0.3 U	--	2.9	< 0.04 UJ
Shallow	AA-22	No	38	N	08/18/06	< 5.5 U	0.53 J	1.1 J	< 1.0 U	473	946	51 J-	--	0.82 J	< 0.3 U	--	3.9 J-	--
Shallow	AA-22	No	42	N	11/03/06	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	394 J-	788 J-	< 100 U	--	0.76 J	< 15 U	--	4.3	< 2 UJ
Shallow	AA-22	No	44	N	02/09/07	< 5.5 U	< 25 U	< 250 U	< 1.0 U	384 J+	768 J+	< 400 U	--	0.44 J+	< 15 U	--	1.9 J+	< 2 U
Shallow	AA-22	No	51	N	05/14/08	< 7.8 U	0.19 J	0.38 J	0.26 J	385 J-CAB	770	< 200 U	< 2.8 U	0.63	< 3 U	6.7 J	2.8	< 0.4 U
Shallow	AA-22	No	58	N	09/23/09	< 8.1 U	0.28	0.57	14.3	677 J-TDS	1350 J-TDS	< 20 U	< 3.5 U	0.21 J-TDS	< 0.3 U	2	16.6 J-TDS	< 0.06 U
Shallow	AA-22	Yes	58	N	09/23/09	--	0.27	0.54	12.7	630	1260	< 20 U	--	0.19	< 0.3 U	--	14.8	< 0.06 U
Shallow	AA-23-R	No	51	N	05/19/08	< 7.8 U	0.09 J	0.18 J	5.2	578	1160	44 J	5.8	0.33	< 3 U	4.6	9.8	< 0.4 U
Shallow	AA-23-R	No	58	N	09/10/09	16 J	0.35	0.7	11.6	928 J-TDS	1860 J-TDS	< 40 U	< 3.5 U	0.48 J-TDS	< 0.3 U	1.9	26.6 J-TDS	< 0.06 U
Shallow	AA-23-R	Yes	58	N	09/10/09	--	0.32	0.64	11.6	948	1900	< 40 U	--	0.35	< 0.3 U	--	28.9	< 0.06 U
Shallow	AA-26	No	27	N	07/20/04	58	0.65	--	0.274	274	--	--	< 5 U	1.1	< 0.5 U	--	4.1 J-	0.27
Shallow	AA-26	No	37	N	05/24/06	< 5.5 U	0.73 J	1.5 J	< 1.0 U	291	582	--	< 2.4 U	0.89 J+	< 0.3 U	--	4.4	< 0.04 UJ
Shallow	AA-26	No	38	N	08/17/06	< 5.5 U	2.8 J+	5.6 J+	< 1.0 UJ	298	596	27 J-	--	1.8 J	< 0.3 U	--	4.5 J+	< 2 UJ
Shallow	AA-26	No	42	N	10/26/06	< 5.5 UJ	0.94 J	1.9 J	< 1.0 U	303	606	< 200 U	--	1.1	< 15 UJ	--	4.3	< 2 UJ
Shallow	AA-26	No	44	N	02/28/07	< 5.5 U	29 J	58 J	< 1.0 U	492	984	15 J	--	0.64 J	< 0.3 U	--	5670	< 14 U
Shallow	AA-26	No	51	N	05/19/08	< 7.8 U	0.34	0.68	< 0.053 U	326	651	< 200 U	< 3.6 U	0.77	< 3 U	4.6	5.8	< 0.4 U
Shallow	AA-26	No	58	N	09/11/09	< 8.1 U	0.9	1.8	< 0.047 U	355 J-TDS	711 J-TDS	< 20 U	< 3.5 U	0.79 J-TDS	< 0.3 U	4.3	12.1 J-TDS	< 0.06 U
Shallow	AA-26	Yes	58	N	09/11/09	--	0.91	1.8	< 0.047 U	380	760	< 20 U	--	0.79	< 0.3 U	--	12	< 0.06 U
Shallow	AA-27	No	27	N	07/16/04	< 50 U	1	--	0.307	457	--	--	< 5 U	2.5	< 0.5 U	--	13.7	< 0.2 UJ-
Shallow	AA-27	No	37	N	04/27/06	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	443	886	--	< 2.4 U	0.73 J-	< 0.3 U	--	14.1 J+	--
Shallow	AA-27	No	38	N	08/02/06	< 5.5 U	1.1 J	2.2 J	< 1.0 U	1250 J-	2500 J-	< 400 U	--	3.3 J	< 0.3 U	--	39.3 J-	< 0.04 UJ
Shallow	AA-27	No	42	N	10/19/06	< 5.5 U	0.87 J	1.7 J	< 1.0 U	434 J-	868	< 400 U	--	3	< 15 U	--	12	< 2 UJ
Shallow	AA-27	No	44	N	02/02/07	< 5.5 U	< 25 U	< 250 U	< 1.0 UJ	605 J-	1210 J-	< 400 U	--	1.9 J+	< 15 U	--	12.6 J-	--
Shallow	AA-27	No	51	N	05/14/08	< 7.8 U	0.66	1.3	0.32 J	450 J-CAB	900	< 200 U	< 28 U	1.6	< 3 U	11	12.3	< 0.4 U
Shallow	AA-27	No	58	N	08/26/09	< 8.1 U	0.79	1.6	0.36 J	422 J-TDS	845 J-TDS	< 40 U	< 3.5 U	2 J-TDS	< 0.3 U	2.6	12.5 J-TDS	< 0.06 U
Shallow	AA-27	Yes	58	N	08/26/09	--	0.78	1.6	0.33 J	417	834	< 40 U	--	2	< 0.3 U	--	12.2	< 0.06 U
Shallow	AA-30	No	58	N	09/09/09	< 8.1 U	0.39	0.77	6.4	1620 J-TDS	3250 J-TDS	< 80 U	R	0.11 J-TDS	< 0.3 U	2.5	35.6 J-TDS	< 0.06 U
Shallow	AA-30	Yes	58	N	09/09/09	--	0.35	0.7	6.2	1580	3170	< 80 U	--	0.14	< 0.3 U	--	34.2	< 0.06 U
Shallow	AA-UW1	No	51	N	05/20/08	< 7.8 U	3.9	7.7	1.3	439	877	< 400 U	11.5	1.1	< 3 U	2	5	< 0.4 U
Shallow	AA-UW1	No	58	N	08/24/09	< 8.1 U	0.61	1.2	1.2	415 J-TDS	831 J-TDS	< 40 U	< 3.5 U	1.2 J-TDS	< 0.3 U	2.9	5 J-TDS	< 0.06 U
Shallow	AA-UW1	Yes	58	N	08/24/09	--	0.6	1.2	1.2	412	824	< 40 U	--	1.1	< 0.3 U	--	5	< 0.06 U
Shallow	AA-UW2	No	51	N	05/16/08	< 7.8 U	0.54	1.1	0.76	522	1040	< 400 U	< 3.6 U	1.2	< 3 U	1.3	10.6	< 0.4 U
Shallow	AA-UW2	No	58	N	08/11/09	< 8.1 U	0.61	1.2	0.42 J	512	1020	< 80 U	< 3.5 U	0.9	< 0.3 U	1.8	10.2	< 0.06 U
Shallow	AA-UW2	Yes	58	N	08/11/09	--	0.62	1.2	0.46 J	500	999	< 80 U	--	0.97	< 0.3 U	--	10.2	< 0.06 U
Shallow	AA-UW3	No	51	N	05/20/08	< 7.8 U	3.1	6.1	< 0.053 U	264	528	< 400 U	< 3.6 U	1.5	< 3 U	4.1	7.9	< 0.4 U
Shallow	AA-UW3	No	58	N	08/25/09	< 8.1 U	0.89	1.8	0.065 J	267 J-TDS	533 J-TDS	< 80 U	< 3.5 U	1 J-TDS	< 0.3 U	1.6	8.9 J-TDS	< 0.06 U
Shallow	AA-UW3	Yes	58	N	08/25/09	--	0.88	1.8	0.059 J	253	506	< 80 U	--	1	< 0.3 U	--	8.9	< 0.06 U
Shallow	AA-UW4	No	51	N	05/21/08	< 7.8 U	0.58 J	1.2 J	< 0.053 U	331 J-CAB	663	< 400 U	< 3.6 U	1	< 3 U	10.6 J	11.9	< 0.4 U
Shallow	AA-UW4	No	51	FD	05/21/08	< 7.8 U	3.4 J	6.9 J	< 0.053 U	357 J-CAB	714	< 400 U	5.1	1	< 3 U	5.1 J	11.7	< 0.4 U

GENERAL CHEMISTRY AND PERCHLORATE RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Ammonia	Bromide	Bromine	Chlorate	Chloride	Chlorine	Chlorite	Cyanide, Total	Fluoride	Iodide	Ion Balance Difference	Nitrate	Nitrite
						Units	ug/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	mg/L	mg/L	Pct	mg/L	mg/L
						MCL	--	--	--	--	4	1000	200	4	--	--	10	1
						BCL	200	--	--	--	4	--	200	4	--	--	10	1
Shallow	AA-UW4	No	58	N	08/26/09	< 8.1 U	0.78	1.6	< 0.047 U	304 J-TDS	608 J-TDS	< 40 U	< 3.5 U	0.81 J-TDS	< 0.3 U	4.7	12.6 J-TDS	< 0.06 U
Shallow	AA-UW4	No	58	FD	08/26/09	< 8.1 U	0.76	1.5	< 0.047 U	306 J-TDS	613 J-TDS	< 40 U	< 3.5 U	0.82 J-TDS	< 0.3 U	3.9	12.7 J-TDS	< 0.06 U
Shallow	AA-UW4	Yes	58	N	08/26/09	--	0.77	1.5	0.06 J	307	614	< 40 U	--	0.86	< 0.3 U	--	12.6	< 0.06 U
Shallow	AA-UW4	Yes	58	FD	08/26/09	--	0.77	1.5	0.065 J	305	610	< 40 U	--	0.85	< 0.3 U	--	12.7	< 0.06 U
Shallow	AA-UW5	No	51	N	05/22/08	< 7.8 U	0.68 J+	1.4 J+	< 0.053 U	176 J-CAB	353	< 100 U	< 3.6 R	0.72 J+	< 3 U	9.7	14.7 J-	< 0.2 UJ
Shallow	AA-UW5	No	51	FD	05/22/08	< 7.8 U	0.5 J+	1 J+	< 0.053 U	174 J-CAB	349	< 100 U	< 3.6 R	0.73 J+	< 3 U	6.3	14.5 J-	< 0.2 UJ
Shallow	AA-UW5	No	58	N	09/15/09	8.3 J	0.34	0.68	< 0.047 U	R-CAB&TDS	R-CAB&TDS	14 J	< 3.5 U	R-CAB&TDS	< 0.3 U	11	R-CAB&TDS	< 0.03 U
Shallow	AA-UW5	No	58	FD	09/15/09	55.9	0.32	0.63	< 0.047 U	R-CAB&TDS	R-CAB&TDS	15 J	< 3.5 U	R-CAB&TDS	< 0.3 U	10.8	R-CAB&TDS	< 0.03 U
Shallow	AA-UW5	Yes	58	N	09/15/09	--	0.32	0.65	< 0.047 U	162	324	< 14 J	--	0.66	< 0.3 U	--	13.3	< 0.03 U
Shallow	AA-UW5	Yes	58	FD	09/15/09	--	0.35	0.69	< 0.047 U	159	318	< 16 J	--	0.61	< 0.3 U	--	13.7	< 0.03 U
Shallow	AA-UW6	No	51	N	05/22/08	< 7.8 U	0.98 J+	2 J+	< 0.053 U	226 J-CAB	452	< 200 U	< 3.6 R	0.62 J+	< 3 U	12.3	7.6 J-	< 0.4 UJ
Shallow	AA-UW6	No	58	N	08/27/09	< 8.1 U	0.54	1.1	0.063 J	201	403	< 40 U	< 3.5 U	0.57	< 0.3 U	4.8	8.8	< 0.06 U
Shallow	AA-UW6	Yes	58	N	08/27/09	--	0.57	1.1	0.051 J	200	400	< 40 U	--	0.56	< 0.3 U	--	9.3	< 0.06 U
Shallow	BEC-6	No	37	N	04/28/06	< 5.5 U	< 0.5 U	< 5 U	28.2	1570	3570	--	< 2.4 U	0.44 J+	< 0.3 U	--	38.2	--
Shallow	BEC-6	No	38	N	08/01/06	< 5.5 U	< 0.5 U	< 5 U	2.43 J-	1780	3570	< 1000 U	--	< 0.2 U	< 0.3 U	--	32.9	< 0.04 UJ
Shallow	BEC-6	No	42	N	10/19/06	< 5.5 U	< 25 U	< 250 U	24.9	1900 J-	3800	98 J	--	0.94 J	< 15 U	--	36.5	< 2 UJ
Shallow	BEC-6	No	44	N	01/29/07	< 5.5 U	< 25 U	< 250 U	42.2 J-	1990	3980	< 200 U	--	< 0.2 U	< 15 U	--	39.9	< 2 UJ
Shallow	BEC-6	No	51	N	04/24/08	< 7.8 U	0.66	1.3	27.7	1700 J-CAB	3400	< 1000000 U	< 2.8 R	0.57 J	< 3 U	8.7	30.4	< 1 U
Shallow	BEC-6	No	58	N	09/28/09	< 8.1 U	0.35	0.7	27.6	R-CAB&TDS	R-CAB&TDS	< 40 U	< 3.5 U	< 0.2 UJ	< 0.3 U	7.1	R-CAB&TDS	< 0.06 U
Shallow	BEC-6	Yes	58	N	09/28/09	--	0.32	0.64	28.5	1530	3060	< 40 U	--	< 0.2 U	0.35 J	--	29.4	< 0.06 U
Shallow	BEC-9	No	37	N	05/02/06	< 5.5 U	< 0.5 U	< 5 U	1.96	2060 J-	4870 J-	--	--	< 0.051 U	< 0.3 UJ	--	64.8	--
Shallow	BEC-9	No	38	N	08/02/06	< 5.5 U	< 0.5 U	< 5 U	1.45 J+	1760 J-	3520 J-	< 400 U	--	< 0.2 UJ	< 0.3 U	--	52.8 J-	< 0.04 UJ
Shallow	BEC-9	No	42	N	10/19/06	< 5.5 U	< 25 U	< 250 U	< 1.0 U	1460 J-	2920	< 1000 U	--	1.8	< 15 U	--	45.1	< 2 UJ
Shallow	BEC-9	No	44	N	01/29/07	< 5.5 U	7.9	15.8	8.14 J-	1550	3100	< 400 U	--	< 0.2 U	< 15 U	--	51.3	< 2 UJ
Shallow	BEC-9	No	51	N	04/24/08	< 7.8 U	0.64	1.3	1.9	1600 J-CAB	3210	< 1000000 U	< 2.8 R	0.7 J	< 3 U	6.7	46.2	< 1 U
Shallow	BEC-9	No	58	N	08/18/09	< 8.1 U	0.55	1.1	4.6	1290	2580	< 80 U	< 3.5 U	0.62	< 0.3 U	2.8	40.4	< 0.06 U
Shallow	BEC-9	Yes	58	N	08/18/09	--	0.57	1.1	4.5	1280	2560	< 80 U	--	0.61	< 0.3 U	--	38.8	< 0.06 U
Shallow	COH-2A	No	44	N	01/30/07	151	2.1 J-	4.2 J-	102 J	1860 J-	3720 J-	--	--	< 0.2 U	< 15 U	--	25.8	< 2 UJ
Shallow	COH-2A	No	51	N	05/08/08	< 7.8 U	0.8 J	1.6 J	63.4	1500	3010	< 400 U	67.5 J-	1.3	< 3 U	4	19.5 J-	< 4 UJ
Shallow	COH-2A	No	58	N	09/11/09	< 8.1 U	0.59	1.2	9.3	1410 J-TDS	2820 J-TDS	< 80 U	< 3.5 U	0.76 J-TDS	< 0.3 U	1.3	1.1 J-TDS	< 0.06 U
Shallow	COH-2A	Yes	58	N	09/11/09	--	0.6	1.2	9.3	1450	2890	< 80 U	--	0.69	< 0.3 U	--	1.1	< 0.06 U
Shallow	DBMW-1	No	51	N	05/20/08	< 7.8 U	5	10.1	26.2	991	1980	< 400 U	8.4	0.33	< 3 U	2.4	8.8	< 2 U
Shallow	DBMW-1	No	58	N	08/31/09	< 8.1 U	0.71	1.4	29.1	1090 J-TDS	2170 J-TDS	< 80 U	< 3.5 U	0.61 J-TDS	< 0.3 U	3.3	9.5 J-TDS	< 0.06 U
Shallow	DBMW-1	Yes	58	N	08/31/09	--	0.71	1.4	29.4	1080	2170	< 80 U	--	0.67	< 0.3 U	--	9.4	< 0.06 U
Shallow	DBMW-10	No	51	N	05/27/08	< 7.8 U	0.53	1.1	2.6	317	635	< 200 U	< 3.6 U	0.59	< 3 U	2	10.1 J-	< 0.2 UJ
Shallow	DBMW-10	No	58	N	09/29/09	28.8 J	0.64	1.3	0.9	338 J-TDS	675 J-TDS	< 20 U	< 3.5 U	0.59 J-TDS	< 0.3 UJ	1.1	9.8 J-TDS	< 0.06 UJ
Shallow	DBMW-10	Yes	58	N	09/29/09	--	0.65	1.3	1	299	598	< 20 U	--	0.57	< 0.3 UJ	--	9.8	< 0.06 UJ
Shallow	DBMW-11	No	51	N	06/02/08	81.8 J+	< 0.25 U	< 5 U	35.3	1880	3760	< 400 U	< 3.6 U	0.35	< 3 U	4.7	24.3 J-	< 2 UJ
Shallow	DBMW-11	No	58	N	10/01/09	< 8.1 U	0.19 J	0.39 J	30.5	1870 J-TDS	3750 J-TDS	< 80 U	< 3.5 U	< 0.01 UJ-TDS	< 1.5 U	2	19.8 J-TDS	< 0.06 U
Shallow	DBMW-11	Yes	58	N	10/01/09	--	0.19 J	0.38 J	29.4	1810	3610	< 80 U	--	< 0.01 U	< 1.5 U	--	19.5	< 0.06 U
Shallow	DBMW-12	No	51	N	05/27/08	< 7.8 U	< 0.05 U	< 1 U	38.9	2480 J-CAB	4970	< 400 U	< 3.6 R	< 0.02 U	< 3 U	5.4	25.4 J-	< 1 UJ
Shallow	DBMW-12	No	58	N	09/24/09	11.4 J	0.67	1.3	20	1320 J-TDS	2650 J-TDS	< 40 U	< 3.5 U	0.36 J-TDS	< 0.3 U	2.8	18.1 J-TDS	< 0.06 U
Shallow	DBMW-12	No	58	FD	09/24/09	< 8.1 U	0.66	1.3	19.3	1270 J-TDS	2550 J-TDS	< 40 U	< 3.5 U	0.34 J-TDS	< 0.3 U	1.1	17.3 J-TDS	< 0.06 U
Shallow	DBMW-12	Yes	58	N	09/24/09	--	0.66	1.3	17.9	1290	2590	< 40 U	--	0.34 J	< 0.3 U	--	17	< 0.06 U
Shallow	DBMW-12	Yes	58	FD	09/24/09	--	0.68	1.4	18	1330	2660	< 40 U	--	0.39 J	< 0.3 U	--	17.1	< 0.06 U
Shallow	DBMW-13	No	51	N	05/28/08	35.4 J	0.33	0.66	19	1060	2110	< 200 U	< 3.6 R	0.27 J	< 3 U	0.9	14.7	< 1 U
Shallow	DBMW-13	No	58	N	09/29/09	< 8.1 U	0.6	1.2	18.1	901 J-TDS	1800 J-TDS	120 J	< 3.5 U	0.01 J-TDS	< 0.3 UJ	2	16.9 J-TDS	< 0.06 UJ
Shallow	DBMW-13	Yes	58	N	09/29/09	--	0.6	1.2	18.1	906	1810	160 J	--	< 0.01 U	< 0.3 UJ	--	16.5	< 0.06 UJ
Shallow	DBMW-14	No	51	N	05/29/08	< 7.8 U	< 0.25 U	< 5 U	20.4	1100 J-CAB	2190	< 100 U	< 3.6 U	0.09 J	< 3 U	5.7	16.7	< 1 U
Shallow	DBMW-14	No	58	N	09/29/09	< 8.1 U	0.65	1.3	19.3	912 J-TDS	1820 J-TDS	< 80 U	< 3.5 U	0.04 J-TDS	< 0.3 UJ	2.6	16.6 J-TDS	< 0.06 UJ
Shallow	DBMW-14	Yes	58	N	09/29/09	--	0.66	1.3	19.1	910	1820	< 80 U	--	0.05 J	< 0.3 UJ	--	16.7	< 0.06 UJ
Shallow	DBMW-15	No	51	N	05/28/08	40.5 J	0.44	0.88	4.6	397	794	< 200 U	< 3.6 U	0.34	< 3 U	0.8	8.3	< 0.4 U
Shallow	DBMW-15	No	58	N	09/30/09	< 8.1 U	0.56	1.1	2.8	375	749	< 80 U	< 3.5 U	0.3	< 0.3 UJ	4	8.4	< 0.06 U
Shallow	DBMW-15	Yes	58	N	09/30/09	--	0.59	1.2	3	390	781	< 80 U	--	0.3	< 0.3 UJ	--	8.5	< 0.06 U
Shallow	DBMW-16	No	51	N	05/29/08	< 7.8 U	0.11 J	0.23 J	< 0.053 U	129	257	< 40 U	< 3.6 U	0.72	< 3 U	0.9	2.2	< 0.2 U
Shallow	DBMW-16	No	58	N	10/02/09	< 8.1 U	0.18 J	0.37 J	< 0.047 U	148 J-CAB&TDS	296 J-CAB&TDS	< 8 U	< 3.5 U	0.73 J-CAB&TDS	< 0.3 U	7.7	2.1 J-CAB&TDS	< 0.06 U

GENERAL CHEMISTRY AND PERCHLORATE RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Ammonia	Bromide	Bromine	Chlorate	Chloride	Chlorine	Chlorite	Cyanide, Total	Fluoride	Iodide	Ion Balance Difference	Nitrate	Nitrite
						Units	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	mg/L	mg/L	Pct	mg/L
						MCL	--	--	--	--	4	1000	200	4	--	--	10	1
						BCL	200	--	--	--	4	--	200	4	--	--	10	1
Shallow	DBMW-16	Yes	58	N	10/02/09	--	0.18 J	0.36 J	< 0.047 U	161	321	< 8 U	--	0.71	< 0.3 U	--	2	< 0.06 U
Shallow	DBMW-17	No	51	N	05/30/08	< 7.8 U	< 0.025 U	< 0.5 U	< 0.053 U	49.7	99.3	< 200 U	< 3.6 U	0.8	< 3 U	3.2	1.5 J-	< 0.02 R
Shallow	DBMW-17	No	58	N	10/02/09	< 8.1 U	0.046 J	0.093 J	0.1 J	43.6 J-TDS	87.2 J-TDS	< 8 U	< 3.5 U	0.56 J-TDS	< 0.3 U	2.8	1.9 J-TDS	< 0.003 U
Shallow	DBMW-17	Yes	58	N	10/02/09	--	0.042 J	0.084 J	0.094 J	43.1	86.1	< 8 U	--	0.56	< 0.3 U	--	1.8	< 0.003 U
Shallow	DBMW-19	No	51	N	05/30/08	< 7.8 U	< 0.025 U	< 0.5 U	20.4	690 J-CAB	1380	< 200 U	< 3.6 R	0.68 J	< 3 U	5.4	19.3 J-	< 0.4 R
Shallow	DBMW-19	No	58	N	09/24/09	< 8.1 U	0.43	0.87	42	1100 J-TDS	2200 J-TDS	150 J	< 3.5 U	0.62 J-TDS	< 0.3 U	0.15	19.4 J-TDS	< 0.06 U
Shallow	DBMW-19	Yes	58	N	09/24/09	--	0.43	0.86	42.6	1100	2210	180 J	--	0.44 J	< 0.3 U	--	19.5	< 0.06 U
Shallow	DBMW-2	No	51	N	06/02/08	59.1 J+	< 0.25 U	< 5 U	17.5	1280 J-CAB	2570	< 400 U	< 3.6 U	0.82	< 3 U	8.7	6.7	< 1 U
Shallow	DBMW-2	No	58	N	09/04/09	< 8.1 U	0.85	1.7	17.1	1240	2490	< 40 U	< 3.5 U	0.54	< 0.3 U	2.9	7	< 0.06 U
Shallow	DBMW-2	Yes	58	N	09/04/09	--	0.83	1.7	17.2	1240	2480	< 40 U	--	0.65	< 0.3 U	--	5.9	< 0.06 U
Shallow	DBMW-20	No	51	N	05/13/08	< 7.8 U	0.4	0.81	4.6	985	1970	< 200 U	< 28 U	0.78 J	< 3 U	4.5	22.7	< 0.4 U
Shallow	DBMW-20	No	58	N	09/30/09	< 8.1 U	0.28	0.55	6.9	961 J-TDS	1920 J-TDS	< 80 U	< 3.5 U	0.22 J-TDS	< 0.3 UJ	3.2	17.4 J-TDS	< 0.06 U
Shallow	DBMW-20	Yes	58	N	09/30/09	--	0.3	0.61	6.8	943	1890	< 80 U	--	0.23	< 0.3 UJ	--	17.7	< 0.06 U
Shallow	DBMW-22	No	51	N	05/30/08	< 7.8 U	< 0.025 U	< 0.5 U	0.74	322	645	< 200 U	< 3.6 U	0.27	< 3 U	2.9	1.2 J-	< 0.4 R
Shallow	DBMW-22	No	58	N	09/28/09	26.5 J	0.14 J	0.27 J	0.11 J	271 J-TDS	543 J-TDS	< 20 U	< 3.5 U	0.33 J-TDS	< 0.3 U	3.1	1.1 J-TDS	< 0.06 U
Shallow	DBMW-22	No	58	FD	09/28/09	13.8 J	0.15 J	0.3 J	0.11 J	269 J-TDS	538 J-TDS	< 20 U	< 3.5 U	0.25 J-TDS	< 0.3 U	3.1	1.1 J-TDS	< 0.06 U
Shallow	DBMW-22	Yes	58	N	09/28/09	--	0.17 J	0.35 J	0.19 J	271	542	< 20 U	--	0.31	< 0.3 U	--	1.1	< 0.06 U
Shallow	DBMW-22	Yes	58	FD	09/28/09	--	0.17 J	0.35 J	0.18 J	273	545	< 20 U	--	0.31	< 0.3 U	--	1.1	< 0.06 U
Shallow	DBMW-3	No	51	N	06/02/08	79.2 J+	< 0.25 U	< 5 U	59.9	1470 J-CAB	2940	< 400 U	< 3.6 R	0.51	< 3 U	11.3	14.9	< 1 U
Shallow	DBMW-3	No	58	N	09/04/09	< 8.1 U	0.55	1.1	40.6	1410 J-TDS	2810 J-TDS	< 80 U	4.1 J	0.24 J-TDS	< 0.3 U	1.9	15.4 J-TDS	< 0.06 U
Shallow	DBMW-3	Yes	58	N	09/04/09	--	0.54	1.1	50.7	1480	2950	< 80 U	--	0.21	< 0.3 U	--	15.9	< 0.06 U
Shallow	DBMW-4	No	51	N	05/22/08	< 7.8 U	1.3 J+	2.7 J+	37	1120 J-CAB	2250	< 400 U	< 3.6 R	0.32 J+	< 3 U	12.3	24.9 J-	< 1 UJ
Shallow	DBMW-4	No	58	N	09/22/09	< 8.1 U	0.42	0.85	39.2	952 J-TDS	1900 J-TDS	< 20 U	< 3.5 U	0.092 J-TDS	< 0.3 U	0.51	27.7 J-TDS	< 0.06 U
Shallow	DBMW-4	Yes	58	N	09/22/09	--	0.42	0.84	39.8	938	1880	< 20 U	--	0.13	< 0.3 U	--	26.4	< 0.06 U
Shallow	DBMW-5	No	51	N	05/22/08	< 7.8 U	1.9 J+	3.9 J+	30	983 J-CAB	1970	< 400 U	< 3.6 R	0.24 J+	< 3 U	6.7	30.5 J-	< 0.4 UJ
Shallow	DBMW-5	No	58	N	09/23/09	< 8.1 U	0.32	0.63	30.2	950 J-TDS	1900 J-TDS	< 20 U	< 3.5 U	0.11 J-TDS	< 0.3 U	3	27.3 J-TDS	< 0.06 U
Shallow	DBMW-5	No	58	FD	09/23/09	< 8.1 U	0.31	0.61	30.5	959 J-TDS	1920 J-TDS	< 20 U	< 3.5 U	0.12 J-TDS	< 0.3 U	0.84	26.1 J-TDS	< 0.06 U
Shallow	DBMW-5	Yes	58	N	09/23/09	--	0.31	0.62	31.3	929	1860	< 20 U	--	0.14	< 0.3 U	--	26.8	< 0.06 U
Shallow	DBMW-5	Yes	58	FD	09/23/09	--	0.3	0.59	31.3	919	1840	< 20 U	--	0.11	< 0.3 U	--	25.3	< 0.06 U
Shallow	DBMW-7	No	51	N	06/02/08	59.1 J+	< 0.25 U	< 5 U	9.7	1660 J-CAB	3320	< 400 U	< 3.6 U	0.42	< 3 U	10.2	44.6	< 1 U
Shallow	DBMW-7	No	58	N	09/25/09	< 8.1 U	0.11 J	0.22 J	6.4	1430 J-TDS	2870 J-TDS	210	< 3.5 U	< 0.01 U	< 0.3 U	3.3	42.7 J-TDS	< 0.06 U
Shallow	DBMW-7	No	58	FD	09/25/09	< 8.1 U	0.19 J	0.37 J	6.3	1440 J-TDS	2880 J-TDS	210	< 3.5 U	< 0.01 U	< 0.3 U	1.2	40.8 J-TDS	< 0.06 U
Shallow	DBMW-7	Yes	58	N	09/25/09	--	0.13 J	0.26 J	6.3	1420	2840	200	--	< 0.01 U	< 0.3 U	--	41.8	< 0.06 U
Shallow	DBMW-7	Yes	58	FD	09/25/09	--	0.14 J	0.28 J	6.3	1430	2870	210	--	< 0.01 U	< 0.3 U	--	39.9	< 0.06 U
Shallow	DBMW-8	No	51	N	06/03/08	73.6	< 0.25 U	< 0.5 U	10.5	1740 J-CAB	3470	< 400 U	< 3.6 U	0.37	< 3 U	5.5	46	< 1 U
Shallow	DBMW-8	No	58	N	09/23/09	8.2 J	0.17 J	0.35 J	6.4	1720 J-TDS	3430 J-TDS	< 20 U	< 3.5 U	< 0.01 U	< 0.3 U	1.4	46 J-TDS	< 0.06 U
Shallow	DBMW-8	Yes	58	N	09/23/09	--	0.16 J	0.32 J	6.3	1660	3330	< 20 U	--	< 0.01 U	< 0.3 U	--	44.6	< 0.06 U
Shallow	DBMW-9	No	51	N	05/23/08	< 7.8 U	3.1 J+	6.2 J+	8.1	442 J-CAB	884	< 400 U	< 3.6 R	0.91 J+	< 3 U	6.3	17.3	< 0.4 U
Shallow	DBMW-9	No	58	N	09/29/09	< 8.1 U	0.37	0.74	5.9	398 J-TDS	796 J-TDS	< 40 U	< 3.5 U	0.58 J-TDS	< 0.3 UJ	0.23	16.6 J-TDS	< 0.06 UJ
Shallow	DBMW-9	Yes	58	N	09/29/09	--	0.37	0.74	5.9	394	788	51 J	--	0.57	< 0.3 UJ	--	16.1	< 0.06 UJ
Shallow	DM-1	No	37	N	05/01/06	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	380 J	761 J	--	< 2.4 U	0.49 J-	< 0.3 UJ	--	19.2 J	--
Shallow	DM-1	No	38	N	07/31/06	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	476	952	< 1000 U	--	3.6 J	< 0.3 U	--	17.3	--
Shallow	DM-1	No	42	N	10/18/06	< 5.5 U	< 2.5 U	< 250 U	< 1.0 U	317	634	< 200 U	--	2.1	< 15 U	--	< 2 U	< 2 UJ
Shallow	DM-1	No	44	N	01/25/07	< 5.5 U	< 25 U	< 250 U	4.91 J-	448	896	< 400 U	--	1.9	< 15 U	--	49.9	--
Shallow	DM-1	No	51	N	04/22/08	< 7.8 U	0.65	1.3	0.12 J	321	642	< 1000 U	< 2.8 R	2	< 3 U	0.31	12.7	< 0.2 U
Shallow	DM-1	No	58	N	10/01/09	15.6 J	0.73	1.5	0.68	346 J-TDS	692 J-TDS	< 40 U	< 3.5 U	0.77 J-TDS	< 0.3 U	4.6	19.1 J-TDS	< 0.06 U
Shallow	DM-1	Yes	58	N	10/01/09	--	0.75	1.5	0.59	340	679	< 40 U	--	0.81	< 0.3 U	--	19	< 0.06 U
Shallow	HMW-08	No	44	N	02/02/07	157 J+	< 25 U	< 250 U	< 1.0 UJ	653 J-	1310 J-	< 400 U	--	0.23 J+	< 15 U	--	1.1 J-	30.3 J
Shallow	HMW-08	No	51	N	05/06/08	12.5 J	0.25	0.5	0.59	411 J-CAB	821	< 400 U	< 2.8 R	0.76	< 3 U	6.1	5.4 J-	< 0.4 UJ
Shallow	HMW-08	No	58	N	09/29/09	< 8.1 U	0.29	0.59	14.1	R-CAB&TDS	R-CAB&TDS	< 40 U	< 3.5 U	R-CAB&TDS	< 0.3 UJ	8.4	R-CAB&TDS	< 0.06 UJ
Shallow	HMW-08	Yes	58	N	09/29/09	--	0.28	0.56	13.6	714	1430	< 40 U	--	0.45	< 0.3 UJ	--	9.9	< 0.06 UJ
Shallow	HMW-09	No	44	N	02/09/07	< 5.5 U	< 0.05 U	< 250 U	2.84	2.1 J+	4.2 J+	--	--	< 0.02 U	15.7 J+	--	< 0.004 U	0.071 J+
Shallow	HMW-09	No	51	N	05/06/08	24.3 J	0.47	0.95	5.3	606	1210	--	< 2.8 R	0.57	< 3 U	2.8	9.2 J-	< 0.4 UJ
Shallow	HMW-09	No	58	N	09/28/09	21.3 J	0.37	0.73	50.5	1280 J-TDS	2560 J-TDS	--	< 3.5 U	0.68 J-TDS	< 0.3 U	1.1	18.3 J-TDS	< 0.06 U
Shallow	HMW-09	Yes	58	N	09/28/09	--	0.39	0.79	52.1	1250	2500	< 40 U	--	0.65 J	< 0.3 U	--	18.4	< 0.06 U
Shallow	HMWWT-6	No	44	N	02/21/07	12.1 J	< 0.5 U	< 5 U	7.63 J	523	1050	< 200 U	--	< 0.2 U	< 0.3 UJ	--	30.1 J-	< 2 U

GENERAL CHEMISTRY AND PERCHLORATE RESULTS
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BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Ammonia	Bromide	Bromine	Chlorate	Chloride	Chlorine	Chlorite	Cyanide, Total	Fluoride	Iodide	Ion Balance Difference	Nitrate	Nitrite
						Units	ug/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	mg/L	mg/L	Pct	mg/L	mg/L
						MCL	--	--	--	--	4	1000	200	4	--	--	10	1
						BCL	200	--	--	--	4	--	200	4	--	--	10	1
Shallow	HMWWT-6	No	51	N	04/25/08	< 7.8 U	1.6	3.2	< 0.053 U	435	869	< 200 UJ	< 2.8 U	0.66	< 3 U	4.7	17.2	< 0.4 U
Shallow	HMWWT-6	No	58	N	09/04/09	< 8.1 U	1.2	2.5	< 0.047 U	375 J-TDS	751 J-TDS	< 20 U	< 3.5 U	0.66 J-TDS	< 0.3 U	0.44	15.3 J-TDS	< 0.06 U
Shallow	HMWWT-6	Yes	58	N	09/04/09	--	1.2	2.5	< 0.047 U	384	768	< 20 U	--	0.69	< 0.3 U	--	15.4	< 0.06 U
Shallow	MCF-01B	No	27	N	07/24/04	< 50 U	0.64	--	2.07	314 J-	--	--	< 5 U	0.82	< 0.5 UJ	--	1.2 J-	--
Shallow	MCF-01B	No	37	N	05/11/06	< 5.5 U	0.36	0.72	1.27 J	312	624	< 200 U	< 2.4 U	0.72	< 0.3 U	--	1.6	< 0.04 U
Shallow	MCF-01B	No	38	N	07/31/06	< 5.5 U	< 0.5 U	< 5 U	1.39 J	321	642	< 1000 U	--	0.82 J	< 0.3 U	--	1.4	--
Shallow	MCF-01B	No	42	N	11/06/06	< 5.5 U	< 25 UJ	< 250 UJ	1.47 J	< 11 UJ	< 200 U	< 200 U	--	< 0.2 UJ	< 15 U	--	< 2 UJ	< 2 UJ
Shallow	MCF-01B	No	44	N	02/14/07	< 5.5 U	< 25 U	< 250 U	1.53	370	740	< 20 U	--	< 0.2 U	< 15 U	--	1.5 J	--
Shallow	MCF-01B	No	51	N	04/23/08	< 7.8 U	0.4	0.81	1.4	299 J-CAB	598	< 200000 U	< 2.8 R	0.77	< 3 U	8.6	1.6 J-	< 0.2 UJ
Shallow	MCF-01B	No	58	N	08/07/09	< 8.1 U	0.39	0.77	1.6	271	542	< 40 U	< 3.5 U	0.65	< 0.3 U	0.99	1.9	< 0.06 U
Shallow	MCF-01B	Yes	58	N	08/07/09	--	0.38	0.76	1.6	293	586	< 40 U	--	0.64	< 0.3 U	--	1.5	< 0.06 U
Shallow	MCF-03B	No	27	N	07/24/04	134	0.59	--	< 0.2 U	302	--	--	6.3	0.58	< 0.5 UJ	--	5.5 J	2.6 J
Shallow	MCF-03B	No	37	N	05/12/06	< 5.5 U	0.8 J	1.6 J	< 1.0 U	326	652	< 200 U	< 2.4 U	0.64 J-	< 0.3 U	--	14.2	< 0.04 UJ
Shallow	MCF-03B	No	38	N	08/16/06	< 5.5 U	1.8 J	3.6 J	< 1.0 U	373 J+	746 J+	< 100 UJ	--	0.97 J+	< 0.3 U	--	15.6	< 0.04 UJ
Shallow	MCF-03B	No	42	N	11/03/06	53.5	< 0.5 U	< 5 U	< 1.0 U	327 J-	658 J-	< 200 U	--	1.4	< 15 U	--	13.3	< 2 UJ
Shallow	MCF-03B	No	44	N	02/20/07	< 5.5 U	< 25 U	< 250 U	5.83	350	700	< 1000 U	--	0.31 J+	< 15 UJ	--	13.4 J+	< 2 U
Shallow	MCF-03B	No	51	N	04/29/08	27.2 J	0.67	1.3	0.099 J	313	626	< 400 U	< 2.8 U	0.75	< 3 U	0.6	11	< 0.4 U
Shallow	MCF-03B	No	58	N	08/17/09	17 J	0.67	1.3	0.13 J+	314 J-TDS	628 J-TDS	< 20 U	< 3.5 U	0.79 J-TDS	< 0.3 U	3.4	11.4 J-TDS	< 0.06 U
Shallow	MCF-03B	Yes	58	N	08/17/09	--	0.69	1.4	0.11 J+	309	617	< 20 U	--	0.8	< 0.3 U	--	11.3	< 0.06 U
Shallow	MCF-06B	No	27	N	07/26/04	475	< 0.25 U	--	< 0.2 U	26.4	--	--	< 5 U	< 0.1 U	--	--	0.015 J	--
Shallow	MCF-06B	No	37	N	05/18/06	229	0.51 J	1 J	4	7050	14100	< 1000 U	< 2.4 U	4.1	< 0.3 U	--	2.3	< 0.04 UJ
Shallow	MCF-06B	No	38	N	08/09/06	68.8	< 25 U	< 250 U	8.25	8050	16100	< 1000 U	--	38 J	< 0.3 U	--	< 2 U	--
Shallow	MCF-06B	No	42	N	10/31/06	54.6	< 25 U	< 250 U	6.7	6670	13300	--	--	< 10 U	< 15 UJ	--	4 J-	76 J-
Shallow	MCF-06B	No	44	N	02/01/07	< 5.5 U	< 0.5 U	< 5 U	6.39	7760	15500	< 100000 U	--	< 10 U	< 15 U	--	4.9 J-	245 J-
Shallow	MCF-06B	No	51	N	05/02/08	63.2	1.6 J	3.1 J	5.6	7290	14600	< 40000 U	< 2.8 U	0.44 J	< 3 U	0.1	4	< 10 UJ
Shallow	MCF-06B	No	58	N	08/28/09	10.1 J	< 2.6 U	< 50 U	5.4 J	8030 J-TDS	16100 J-TDS	< 400 U	< 3.5 U	< 1 U	< 6 U	1.9	3.9 J-TDS	< 0.3 U
Shallow	MCF-06B	Yes	58	N	08/28/09	--	< 2.6 U	< 50 U	5.6 J	8100	16200	< 400 U	--	< 1 U	< 6 U	--	3.6	< 0.3 U
Shallow	MCF-06C	No	27	N	07/26/04	< 50 U	0.57	--	2.66	1620	--	--	< 5 U	0.12	< 0.5 U	--	36.2	--
Shallow	MCF-06C	No	37	N	05/22/06	< 5.5 U	< 0.5 U	< 5 U	4.36	1640	3280	--	< 2.4 U	< 0.2 U	< 0.3 U	--	48.4	< 0.04 U
Shallow	MCF-06C	No	38	N	08/08/06	< 5.5 U	< 25 U	< 5 U	5.14	1830 J+	3660 J+	< 400 UJ	--	0.68 J	< 0.3 U	--	48.9	< 2 UJ
Shallow	MCF-06C	No	42	N	10/30/06	< 5.5 U	< 25 U	< 250 U	11.9	1630	3260	< 400 U	--	23.7 J	< 15 UJ	--	52	< 2 UJ
Shallow	MCF-06C	No	44	N	02/01/07	< 5.5 U	< 25 U	< 250 U	39.9 J-	1920 J+	3840 J+	< 20000 U	--	0.4 J	< 15 U	--	52.3 J-	104 J
Shallow	MCF-06C	No	51	N	05/23/08	< 7.8 U	< 0.25 U	< 5 U	4.2 J	1710 J-CAB	3420	< 1000 U	3.7 J-	0.41 J+	< 3 U	6.8	51.5	< 4 U
Shallow	MCF-06C	No	58	N	09/09/09	29.5 J	0.32	0.63	7	1720	3440	< 40 U	R	< 0.01 U	< 0.3 U	1.6	47	< 0.06 U
Shallow	MCF-06C	Yes	58	N	09/09/09	--	0.32	0.63	6.9	1760	3510	< 40 U	--	< 0.01 U	< 0.3 U	--	45.8	< 0.06 U
Shallow	MCF-12B	No	27	N	07/21/04	< 50 U	0.16 J	--	1.16	113	--	--	< 5 U	0.075 J	< 0.5 U	--	5.8	0.12 J-
Shallow	MCF-12B	No	37	N	05/23/06	< 5.5 U	0.53	1.1	3.44	265	530	< 200 U	< 2.4 U	0.91 J-	< 0.3 U	--	6.9 J	0.67 J
Shallow	MCF-12B	No	38	N	08/09/06	< 5.5 U	< 0.5 U	< 0.5 U	3.43	283	566	< 100 U	--	0.48 J	< 0.3 U	--	6.5 J	--
Shallow	MCF-12B	No	42	N	11/08/06	< 5.5 U	0.61 J	1.2 J	3.81	254	508	< 200 U	--	0.58 J+	< 15 UJ	--	5.9	< 2 U
Shallow	MCF-12B	No	44	N	02/15/07	< 5.5 U	< 0.5 U	< 5 U	2.96 J+	403 J	806 J	< 400 U	--	< 0.2 U	< 15 U	--	< 2 UJ	27.6 J
Shallow	MCF-12B	No	51	N	05/08/08	< 7.8 U	0.56	1.1	4.6	317 J-CAB	634	< 200 U	< 28 R	0.45	< 3 U	8.2	6.4 J-	< 0.4 UJ
Shallow	MCF-12B	No	58	N	08/19/09	< 8.1 U	0.6	1.2	5.1	317	634	< 20 U	< 3.5 U	0.52	< 0.3 U	0.6	6.6	< 0.06 U
Shallow	MCF-12B	Yes	58	N	08/19/09	--	0.6	1.2	5.1	317	634	< 20 U	--	0.55	< 0.3 U	--	6.6	< 0.06 U
Shallow	MCF-16C	No	27	N	07/23/04	179	0.6 J	--	23000	1140	--	--	< 5 U	0.68 J	< 0.5 U	--	23.6 J-	--
Shallow	MCF-16C	No	37	N	05/22/06	< 5.5 U	0.51 J	1 J	22.5	1350	2700	< 200 U	< 2.4 U	< 0.2 U	< 0.3 U	--	27.3	< 0.04 U
Shallow	MCF-16C	No	38	N	08/16/06	< 5.5 U	--	--	17.4	1110 J+	2220 J+	< 200 UJ	--	1 J+	< 0.3 U	--	22.3	< 0.04 UJ
Shallow	MCF-16C	No	42	N	11/06/06	< 5.5 U	< 25 UJ	< 250 UJ	19.2	1180 J-	2360	< 1000 U	--	< 0.2 UJ	< 15 U	--	27.1 J-	< 2 UJ
Shallow	MCF-16C	No	44	N	02/20/07	25.3 J	< 25 U	< 250 U	15.2	1350	2700	< 10000 U	--	0.65 J+	< 15 UJ	--	21.4 J+	49.4
Shallow	MCF-16C	No	51	N	05/19/08	< 7.8 U	< 0.25 U	< 5 U	19	1230 J-CAB	2460	< 1000 U	< 3.6 U	0.5 J	< 3 U	12.8	23.8	< 1 U
Shallow	MCF-16C	No	58	N	09/30/09	< 8.1 U	0.16 J	0.32 J	12.1	1050 J-CAB&TDS	2090 J-CAB&TDS	< 400 U	< 3.5 U	0.43 J-CAB&TDS	< 1.5 U	17.2	16.6 J-CAB&TDS	< 0.06 U
Shallow	MCF-16C	Yes	58	N	09/30/09	--	0.2 J	0.4 J	18.1	1050	2100	< 400 U	--	0.52 J	< 1.5 U	--	21	< 0.06 U
Shallow	MW-13	No	44	N	02/15/07	< 5.5 U	< 25 U	< 250 U	6.98 J+	678 J	1360 J	< 2000 U	--	0.34 J+	< 15 U	--	< 2 UJ	25.1 J
Shallow	MW-13	No	51	N	05/12/08	< 7.8 U	0.38	0.76	4.9	1020	2030	< 400 U	< 28 U	0.53 J	< 3 U	2.5	22.3 J-	< 1 UJ
Shallow	MW-13	No	58	N	09/02/09	< 8.1 U	0.42	0.84	6.3	908 J-TDS	1820 J-TDS	< 20 U	< 3.5 U	0.51 J-TDS	< 0.3 U	0.73	21 J-TDS	< 0.06 U
Shallow	MW-13	Yes	58	N	09/02/09	--	0.43	0.85	6.4	908	1820	< 20 U	--	0.57	< 0.3 U	--	20.9	< 0.06 U
Shallow	MW-15	No	44	N	02/13/07	< 5.5 U	< 0.5 U	< 5 U	< 1.0 UJ	< 11 UJ	< 200 UJ	< 1000 U	--	2.5	< 15 U	--	< 0.04 U	31.6 J+

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2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Ammonia	Bromide	Bromine	Chlorate	Chloride	Chlorine	Chlorite	Cyanide, Total	Fluoride	Iodide	Ion Balance Difference	Nitrate	Nitrite
						Units	ug/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	mg/L	mg/L	Pct	mg/L	mg/L
						MCL	--	--	--	--	4	1000	200	4	--	--	10	1
						BCL	200	--	--	--	4	--	200	4	--	--	10	1
Shallow	MW-15	No	51	N	05/21/08	< 7.8 U	< 0.25 U	< 5 U	< 0.053 U	489	979	< 400 U	< 3.6 U	2.2	< 3 U	1.6	0.018 J	< 0.4 U
Shallow	MW-15	No	58	N	09/02/09	< 8.1 U	0.23 J	0.47 J	< 0.047 U	472 J-TDS	943 J-TDS	< 20 U	< 3.5 U	2.5 J-TDS	< 0.3 U	1.6	0.026 J-TDS	< 0.06 U
Shallow	MW-15	Yes	58	N	09/02/09	--	0.22 J	0.43 J	< 0.047 U	453	906	< 20 U	--	2.5	< 0.3 U	--	0.027	< 0.06 U
Shallow	MW-3	No	44	N	02/14/07	< 5.5 U	< 25 U	< 250 U	< 1.0 U	1760	3520	< 400 U	--	0.96 J+	< 15 U	--	--	41.5 J
Shallow	MW-3	No	51	N	05/09/08	< 7.8 U	< 0.25 U	< 5 U	< 0.53 U	1170 J-CAB	2330	< 1000 U	3.3 J	1.4	< 3 U	6	< 0.024 U	< 4 U
Shallow	MW-3	No	58	N	09/10/09	14.5 J	0.34	0.68	< 0.047 U	1200 J-TDS	2410 J-TDS	< 40 U	< 3.5 U	1.1 J-TDS	< 0.3 U	1.4	< 0.005 U	< 0.06 U
Shallow	MW-3	Yes	58	N	09/10/09	--	0.33	0.66	< 0.047 U	1200	2400	< 40 U	--	1	< 0.3 U	--	0.071	< 0.06 U
Shallow	MW-4	No	44	N	02/15/07	< 5.5 U	< 25 U	< 250 U	14.4 J+	3050	6100	< 20000 U	--	0.44 J+	< 15 U	--	< 2 UJ	< 4 UJ
Shallow	MW-4	No	51	N	05/14/08	< 7.8 U	0.97 J	1.9 J	14.3	3380	6760	< 2000 U	< 28 U	0.32 J	< 3 U	0.88	13.8	< 4 U
Shallow	MW-4	No	58	N	09/16/09	46.9 J	0.79 J	1.6 J	13.2	4910 J-CAB&TDS	9820 J-CAB&TDS	< 200 U	< 3.5 U	0.36 J, J-CAB&TDS	< 1.5 U	12.4	13.8 J-CAB&TDS	< 0.6 U
Shallow	MW-4	Yes	58	N	09/16/09	--	0.77 J	1.5 J	13.2	3590	7170	< 200 U	--	0.36 J	< 1.5 U	--	13.2	< 0.6 U
Shallow	PC-108	No	37	N	05/09/06	1310	0.23 J+	0.46 J+	< 1.0 U	698	1400	< 200 U	< 2.4 U	1.6 J+	< 0.3 U	--	0.041	< 0.04 UJ
Shallow	PC-108	No	38	N	08/07/06	3290	< 0.5 U	< 5 U	< 1.0 U	670 J+	1340 J+	< 200 U	--	1.6	< 0.3 U	--	< 0.04 U	< 0.04 UJ
Shallow	PC-108	No	42	N	10/27/06	2450 J-	< 0.5 U	< 5 U	< 1.0 U	580 J+	1160 J+	--	--	1.5	< 15 UJ	--	6.4 J	< 2 UJ
Shallow	PC-108	No	44	N	02/09/07	146	< 25 U	< 250 U	< 1.0 U	842 J+	1680 J+	100 J+	--	0.65 J+	0.46 J+	--	0.13 J+	28 J+
Shallow	PC-108	No	51	N	05/01/08	3860	0.46	0.93	< 0.053 U	652 J-CAB	1300	< 400 U	< 2.8 U	1.2	< 3 U	5.2	0.11	< 0.4 U
Shallow	PC-108	No	58	N	09/16/09	3280	0.48	0.97	< 0.047 U	827 J-TDS	1650 J-TDS	< 20 U	< 3.5 U	1.1 J-TDS	< 0.3 U	3.4	< 0.005 U	< 0.06 U
Shallow	PC-108	Yes	58	N	09/16/09	--	0.46	0.92	< 0.047 U	810	1620	< 20 U	--	1.1	< 0.3 U	--	< 0.005 U	< 0.06 U
Shallow	PC-2	No	37	N	05/03/06	< 5.5 U	< 0.5 U	< 5 U	10.3	697	1390	--	< 2.4 U	0.63 J-	< 0.3 UJ	--	18.8	--
Shallow	PC-2	No	38	N	08/03/06	< 5.5 U	< 0.5 U	< 5 U	13.1 J+	1390 J	2780 J	< 400 U	--	2.1	< 0.3 U	--	17.9	< 0.04 UJ
Shallow	PC-2	No	42	N	10/24/06	< 5.5 U	< 25 U	< 250 U	21.5	785	1570	< 400 U	--	1.6	< 15 UJ	--	10 J+	< 2 UJ
Shallow	PC-2	No	44	N	02/07/07	< 5.5 UJ	< 0.5 U	< 5 U	11.7	847 J+	1690 J+	< 1000 U	--	0.91 J+	< 15 U	--	16.7 J+	75.5 J
Shallow	PC-2	No	51	N	04/25/08	< 7.8 U	1.3 J	2.5 J	43.6	1470 J-CAB	2930	< 200 U	< 2.8 U	1.1	< 3 U	8.9	16.7	< 1 U
Shallow	PC-2	No	58	N	08/19/09	< 8.1 U	0.75	1.5	28.5	1130	2260	< 200 U	< 3.5 U	0.59	< 0.3 U	0.7	11.4	< 0.06 U
Shallow	PC-2	Yes	58	N	08/19/09	--	0.74	1.5	27.9	1110	2210	< 200 U	--	0.62	< 0.3 U	--	11.1	< 0.06 U
Shallow	PC-24	No	44	N	02/16/07	< 5.5 U	< 25 U	< 250 U	266	4570	9140	< 20000 U	--	0.72 J+	< 15 U	--	52.9 J-	171 J
Shallow	PC-24	No	51	N	05/05/08	37.2 J	< 0.25 U	< 5 U	277	5170 J-CAB	10300	< 2000 U	< 28 R	0.76 J	< 3 U	5.5	53.9	< 4 U
Shallow	PC-24	No	58	N	08/20/09	< 8.1 U	0.64 J	1.3 J	237	3630	7260	< 400 U	< 3.5 U	0.8 J	< 0.3 U	1	39.2	< 1.5 U
Shallow	PC-24	Yes	58	N	08/20/09	--	0.68 J	1.4 J	235	3580	7150	< 400 U	--	0.77 J	< 0.3 U	--	40.3	< 1.5 U
Shallow	PC-28	No	44	N	02/21/07	539	< 25 U	< 250 U	787 J	1370	2740	< 200 U	--	0.59 J+	< 15 U	--	53.1 J-	< 2 U
Shallow	PC-28	No	51	N	05/05/08	< 7.8 U	1.7	3.4	912	1370	2740	320	< 2.8 R	0.9 J	< 3 U	0.9	36.9	< 1 U
Shallow	PC-28	No	58	N	08/20/09	< 8.1 U	1.6	3.2	1040	1200	2400	< 200 U	< 3.5 U	0.77 J	< 0.3 U	3.1	41.9	< 0.06 U
Shallow	PC-28	Yes	58	N	08/20/09	--	1.6	3.2	1070	1170	2340	< 200 U	--	0.72 J	< 0.3 U	--	41	< 0.06 U
Shallow	PC-4	No	37	N	05/03/06	< 5.5 U	< 0.5 U	< 5 U	103	1800	3600	--	< 2.4 U	0.14 J	< 0.3 UJ	--	32.7	--
Shallow	PC-4	No	38	N	08/04/06	< 5.5 U	< 0.5 U	< 5 U	96.7 J-	1600	3200	< 400 U	--	< 0.2 UJ	< 0.3 U	--	297 J-	--
Shallow	PC-4	No	42	N	10/23/06	< 5.5 U	< 25 UJ	< 250 UJ	128 J+	1880	3760	< 1000 U	--	0.45 J+	< 15 U	--	28.2 J+	< 2 UJ
Shallow	PC-4	No	44	N	02/06/07	< 5.5 UJ	< 25 U	< 250 U	128 J-	1710 J-	3420 J-	< 1000 U	--	1	< 15 U	--	30	141 J
Shallow	PC-4	No	51	N	04/28/08	23.4 J	0.86	1.7	85.8	1440	2870	< 2000 U	< 2.8 U	0.5 J	< 3 U	3.3 J	25.7 J-	< 1 UJ
Shallow	PC-4	No	58	N	08/19/09	< 8.1 U	0.75	1.5	102	1630	3260	< 200 U	< 3.5 U	0.42	< 0.3 U	0.4	25.8	< 0.06 U
Shallow	PC-4	Yes	58	N	08/19/09	--	0.74	1.5	102	1660	3330	< 200 U	--	0.42	< 0.3 U	--	25.2	< 0.06 U
Shallow	PC-67	No	44	N	02/16/07	118	< 25 U	< 250 U	411	4960 J+	9920 J+	< 40000 U	--	1.1 J+	< 15 U	--	55.6 J-	161 J
Shallow	PC-67	No	51	N	05/06/08	156	1.7 J	3.3 J	499	4800 J-CAB	9590	< 4000 U	< 2.8 R	1.6	< 3 U	7.6	55.8 J-	< 4 UJ
Shallow	PC-67	No	58	N	09/09/09	129	0.79 J	1.6 J	412	4300 J-TDS	8590 J-TDS	< 80 U	R	1.4 J-TDS	< 1.5 U	1.3	48 J-TDS	< 0.6 U
Shallow	PC-67	Yes	58	N	09/09/09	--	0.77 J	1.5 J	411	4240	8470	< 80 U	--	1.4	< 1.5 U	--	48.8	< 0.6 U
Shallow	PC-76	No	44	N	02/28/07	--	--	--	--	--	--	--	--	--	--	--	--	--
Shallow	PC-76	No	51	N	05/14/08	< 7.8 U	1.6 J	3.3 J	< 0.053 U	1130	2270	< 400 U	< 3.6 U	1.2	< 3 U	--	1.2	< 1 U
Shallow	PC-76	No	58	N	09/21/09	22.6 J	1.1	2.1	< 0.047 U	908	1820	< 20 U	< 3.5 U	0.93	< 0.3 U	0.52	2.7	< 0.06 U
Shallow	PC-76	Yes	58	N	09/21/09	--	1	2.1	< 0.047 U	919	1840	< 20 U	--	0.95	< 0.3 U	--	2.8	< 0.06 U
Shallow	PC-79	No	37	N	05/04/06	488	< 0.5 UJ	< 5 UJ	< 1.0 U	896	1790	--	< 2.4 U	0.73 J-	< 0.3 UJ	--	< 0.004 U	--
Shallow	PC-79	No	38	N	08/04/06	619 J+	< 0.5 U	< 5 U	< 1.0 UJ	1350	2700	< 200 U	--	3.4 J	< 0.3 U	--	--	--
Shallow	PC-79	No	42	N	10/25/06	541	< 0.5 U	< 5 U	< 1.0 U	638	1280	--	--	1.6 J+	< 0.3 U	--	< 0.04 UJ	< 2 UJ
Shallow	PC-79	No	44	N	02/08/07	478	< 25 U	< 250 U	< 1.0 U	740	1480	< 400 U	--	1.2 J+	0.37 J+	--	< 0.04 U	30.7 J+
Shallow	PC-79	No	51	N	04/28/08	568	0.63	1.3	< 0.053 U	501	1000	< 400 U	< 2.8 U	1.2	< 3 U	0.4	0.047 J-	< 0.4 UJ
Shallow	PC-79	No	58	N	08/27/09	477	0.67	1.3	0.23 J	687 J-TDS	1370 J-TDS	< 40 U	< 3.5 U	1.1 J-TDS	< 0.3 U	3	0.64 J-TDS	< 0.06 U
Shallow	PC-79	Yes	58	N	08/27/09	--	0.69	1.4	0.29 J	687	1370	< 40 U	--	1.2	< 0.3 U	--	0.62	< 0.06 U
Shallow	PC-80	No	37	N	05/04/06	667	< 0.05 UJ	< 0.5 UJ	< 1.0 U	683	1370	--	< 2.4 U	0.7 J-	< 0.3 UJ	--	< 0.004 U	--

GENERAL CHEMISTRY AND PERCHLORATE RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Ammonia	Bromide	Bromine	Chlorate	Chloride	Chlorine	Chlorite	Cyanide, Total	Fluoride	Iodide	Ion Balance Difference	Nitrate	Nitrite
						Units	ug/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	mg/L	mg/L	Pct	mg/L	mg/L
						MCL	--	--	--	--	4	1000	200	4	--	--	10	1
						BCL	200	--	--	--	4	--	200	4	--	--	10	1
Shallow	PC-80	No	38	N	08/08/06	782	< 0.5 U	< 5 U	< 1.0 U	587 J+	1170 J+	< 200 UJ	--	1.8	< 0.3 U	--	< 0.04 U	< 0.04 UJ
Shallow	PC-80	No	42	N	10/25/06	709	< 0.5 U	< 5 U	< 1.0 U	493	986	< 200 U	--	1.4 J+	< 0.3 U	--	< 0.04 U	< 2 UJ
Shallow	PC-80	No	44	N	02/05/07	682 J+	< 25 U	< 250 U	< 1.0 UJ	635 J-	1270 J-	< 400 U	--	1.2	501 J+	--	< 0.04 UJ	19.8 J
Shallow	PC-80	No	51	N	04/29/08	786	0.3	0.6	< 0.053 U	470	939	< 400 U	< 2.8 U	1.6	< 3 U	0.8	0.014 J	< 0.4 U
Shallow	PC-80	No	58	N	08/27/09	793	0.34	0.67	< 0.047 U	494 J-CAB&TDS	988 J-CAB&TDS	< 40 U	< 3.5 U	1.7 J-CAB&TDS	< 0.3 U	5.7	0.012 J,J-CAB&TDS	< 0.06 U
Shallow	PC-80	Yes	58	N	08/27/09	--	0.33	0.67	< 0.047 U	501	1000	< 40 U	--	1.7	< 0.3 U	--	< 0.005 U	< 0.06 U
Shallow	PC-81	No	37	N	05/05/06	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	847	1690	< 200 U	< 2.4 U	3.5	< 0.3 UJ	--	< 0.04 UJ	--
Shallow	PC-81	No	38	N	08/08/06	77.3	< 0.5 U	< 5 U	< 1.0 U	773 J+	1660 J+	< 200 UJ	--	3.9	< 0.3 U	--	< 0.04 U	< 2 UJ
Shallow	PC-81	No	42	N	10/26/06	57.2 J-	< 0.5 U	< 5 U	< 1.0 U	644	1290	--	--	3.8	0.54 J+	--	< 0.04 U	< 2 UJ
Shallow	PC-81	No	44	N	02/08/07	51.8	< 25 U	< 250 U	< 1.0 U	1440	2880	< 400 U	--	3.2 J+	0.79 J+	--	< 0.04 U	73.5 J+
Shallow	PC-81	No	51	N	04/29/08	69.6	0.37	0.75	< 0.053 U	585	1170	< 400 U	< 2.8 U	2.7	< 3 U	4.8	0.03	< 0.4 U
Shallow	PC-81	No	58	N	09/01/09	152	0.35	0.7	< 0.047 U	703 J-TDS	1410 J-TDS	< 40 U	< 3.5 U	3.7 J-TDS	< 0.3 U	2.5	0.019 J,J-TDS	< 0.06 U
Shallow	PC-81	Yes	58	N	09/01/09	--	0.38	0.76	< 0.047 U	715	1430	< 40 U	--	3.7	< 0.3 U	--	0.018 J	< 0.06 U
Shallow	PC-88	No	51	N	04/30/08	57.3	0.62	1.2	22.9	1550 J-CAB	3090	< 1000 U	< 2.8 U	1.6	< 3 U	7	8 J-	< 1 UJ
Shallow	PC-88	No	58	N	09/01/09	61.8	0.76	1.5	9.1	1460 J-TDS	2920 J-TDS	< 80 U	< 3.5 U	1.5 J-TDS	0.99 J	0.06 J	6.1 J-TDS	< 0.06 U
Shallow	PC-88	Yes	58	N	09/01/09	--	0.65	1.3	9	1550	3100	< 80 U	--	1.5	0.98 J	--	6.3	< 0.06 U
Shallow	PC-90	No	38	N	08/24/06	76.9	0.65 J	1.3 J	42.6	1300	2600	< 200 U	--	2.4	< 0.3 U	--	21.9	< 2 U
Shallow	PC-90	No	42	N	10/26/06	< 5.5 UJ	248	496	29.6	1800	3600	--	--	2.6	< 15 UJ	--	6.7	< 2 UJ
Shallow	PC-90	No	44	N	02/05/07	681 J+	< 25 U	< 250 U	47.3 J-	1580 J-	3160 J-	< 400 U	--	2.2	< 15 U	--	13.9 J-	49 J
Shallow	PC-90	No	51	N	05/01/08	< 7.8 U	0.62	1.2	23.5	1390 J-CAB	2770	< 1000 U	< 2.8 U	1.8	< 3 U	8.8	8.6	< 1 U
Shallow	PC-90	No	58	N	09/09/09	15.7 J	0.45	0.9	14.7	1070 J-TDS	2130 J-TDS	< 40 U	< 3.5 U	1.4 J-TDS	0.81 J	0.44	7.6 J,J-TDS	< 0.06 UJ
Shallow	PC-90	Yes	58	N	09/09/09	--	0.45	0.9	15.6	1070	2140	< 40 U	--	1.4	0.84 J	--	8.1 J-	< 0.06 UJ
Shallow	PC-94	No	37	N	05/05/06	< 5.5 U	< 0.5 U	< 5 U	14.9	781	1560	< 200 U	< 2.4 U	0.22	< 0.3 UJ	--	15.1 J-	--
Shallow	PC-94	No	38	N	08/07/06	< 5.5 U	< 0.5 U	< 0.5 U	9.74	872 J+	1740 J+	< 200 U	--	0.72 J	< 0.3 U	--	11.9 J+	< 2 UJ
Shallow	PC-94	No	42	N	10/27/06	< 5.5 UJ	< 0.5 U	< 5 U	6.09	647 J+	1290 J+	--	--	0.87 J	< 15 UJ	--	8 J	--
Shallow	PC-94	No	44	N	02/02/07	250 J+	< 25 U	< 250 U	6.64 J-	745 J-	1490 J-	< 400 U	--	0.21 J+	< 15 U	--	10.1 J-	36.5 J
Shallow	PC-94	No	51	N	04/30/08	14.2 J	0.41	0.82	11.7	664	1330	< 1000 U	< 2.8 U	0.66 J	< 3 U	4	15.3 J-	< 0.4 UJ
Shallow	PC-94	No	58	N	09/09/09	< 8.1 U	0.53	1.1	49.3	1190 J-TDS	2380 J-TDS	< 80 U	R	0.66 J-TDS	< 0.3 U	1.6	19.3 J-TDS	< 0.06 U
Shallow	PC-94	Yes	58	N	09/09/09	--	0.53	1.1	49.2	1190	2370	< 80 U	--	0.59	< 0.3 U	--	19.3	< 0.06 U
Shallow	POD2-R	No	37	N	05/08/06	< 5.5 U	0.56 J	1.1 J	5.36	951	1900	< 200 U	< 2.4 U	0.53 J-	< 0.3 U	--	25.8 J+	--
Shallow	POD2-R	No	38	N	08/03/06	< 5.5 U	< 0.5 U	< 5 U	60.1 J+	2450 J	4900 J	< 400 U	--	2.2	< 0.3 U	--	49.7	< 0.04 UJ
Shallow	POD2-R	No	42	N	10/20/06	< 5.5 U	0.19 J	0.38 J	63.4	924	1850	< 400 U	--	3.5	< 15 U	--	17.3	< 2 UJ
Shallow	POD2-R	No	44	N	01/26/07	< 5.5 U	11.9	23.8	63.3 J+	1270	2540	< 1000 U	--	3.9 J	< 15 U	--	31.3	< 2 U
Shallow	POD2-R	No	51	N	04/23/08	< 7.8 U	0.86	1.7	194	1760 J-CAB	3520	< 1000000 U	< 2.8 R	< 1 U	< 3 U	10.4	20.3 J-	< 1 UJ
Shallow	POD2-R	No	58	N	09/14/09	20.3 J	0.64	1.3	148	1570 J-TDS	3150 J-TDS	< 40 U	< 3.5 U	0.92 J-TDS	< 0.3 U	1.4	20.7 J-TDS	< 0.06 U
Shallow	POD2-R	Yes	58	N	09/14/09	--	0.59	1.2	145	1570	3150	< 40 U	--	0.89	< 0.3 U	--	22	< 0.06 U
Shallow	POD8	No	37	N	04/28/06	< 5.5 U	< 0.5 U	0.61 J	< 1.0 U	1230	2420	--	< 2.4 U	0.83 J+	< 0.3 U	--	40.9	--
Shallow	POD8	No	38	N	08/02/06	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	1040 J-	2080 J-	< 400 U	--	< 0.2 UJ	< 0.3 U	--	36.7 J-	< 0.04 UJ
Shallow	POD8	No	42	N	10/20/06	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	792	1580	97 J	--	1.9	< 15 U	--	27.2	< 2 UJ
Shallow	POD8	No	44	N	01/26/07	< 5.5 U	< 0.5 U	< 5 U	4.04 J+	824	1650	< 1000 U	--	0.87 J	< 0.3 U	--	31.3	< 2 U
Shallow	POD8	No	51	N	04/23/08	< 7.8 U	0.59	1.2	3.2	1230 J-CAB	2460	< 2000000 U	29 J-	1.1	< 3 U	7.8	41.6	< 1 U
Shallow	POD8	No	58	N	09/03/09	< 8.1 U	0.7	1.4	4.2	753 J-TDS	1510 J-TDS	< 40 U	< 3.5 U	0.72 J-TDS	< 0.3 U	1.8	25.4 J-TDS	< 0.06 U
Shallow	POD8	Yes	58	N	09/03/09	--	0.72	1.4	4.3	726	1450	< 40 U	--	0.71	< 0.3 U	--	25.2	< 0.06 U
Shallow	POU3	No	37	N	04/27/06	249	< 0.5 U	< 5 U	118	1600	3190	--	< 2.4 U	0.25 J-	< 0.3 U	--	10 J+	--
Shallow	POU3	No	38	N	07/31/06	< 5.5 U	< 25 U	< 5 U	343 J	2770 J-	5540 J-	< 1000 U	--	3 J	< 0.3 U	--	17.8 J	--
Shallow	POU3	No	42	N	10/18/06	< 5.5 U	< 25 U	< 250 U	338 J+	2840	5680	< 1000 U	--	< 0.2 U	< 15 U	--	< 2 U	< 2 UJ
Shallow	POU3	No	44	N	01/25/07	< 5.5 U	< 25 U	< 250 U	352 J-	2910	5820	< 1000 U	--	< 0.2 U	56.8	--	19.9	--
Shallow	POU3	No	51	N	04/22/08	< 7.8 U	0.94	1.9	330	2790	5580	< 2000 U	< 2.8 R	< 1 U	< 3 U	0.97	12.8	< 2 U
Shallow	POU3	No	58	N	09/22/09	< 8.1 U	< 0.026 U	< 50 U	299	2530 J-CAB&TDS	5060 J-CAB&TDS	< 80 U	R	< 0.2 U	< 0.3 U	9.4	12.2	< 0.06 U
Shallow	POU3	Yes	58	N	09/22/09	--	< 0.026 U	< 50 U	285	2470	4930	< 80 U	--	< 0.2 U	< 0.3 U	--	11.8 J-CAB&TDS	< 0.06 U
Shallow	WMW5.58SD	No	44	N	02/06/07	< 5.5 UJ	< 25 U	< 250 U	< 50 UJ	32600 J-	65200 J-	< 100000 U	--	< 10 U	< 15 U	--	< 2 U	818 J
Shallow	WMW5.58SD	No	51	N	05/16/08	13900	< 5 U	< 100 U	< 11 U	30600	61300	< 100000 U	7.5	< 2 U	< 30 U	3.5	< 0.024 U	< 20 U
Shallow	WMW5.58SD	No	58	N	09/09/09	14200	< 2.6 U	4.5 J	< 4.7 U	28000 J-TDS	55900 J-TDS	< 2000 U	R	< 1 U	< 6 U	1.9	< 0.5 U	< 6 U
Shallow	WMW5.58SD	No	58	FD	09/09/09	13500	< 2.6 U	4.6 J	< 4.7 U	28400 J-CAB	56800 J-CAB	< 2000 U	3.5 J-	< 1 U	< 6 U	10	< 0.5 U	< 6 U
Shallow	WMW5.58SD	Yes	58	N	09/09/09	--	< 2.6 U	4.9 J	< 4.7 U	28100	56300	< 2000 U	--	< 1 U	< 6 U	--	< 0.5 U	< 6 U
Shallow	WMW5.58SD	Yes	58	FD	09/09/09	--	< 2.6 U	4.5 J	< 4.7 U	28000	56100	< 2000 U	--	< 1 U	< 6 U	--	< 0.5 U	< 6 U

GENERAL CHEMISTRY AND PERCHLORATE RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Ammonia	Bromide	Bromine	Chlorate	Chloride	Chlorine	Chlorite	Cyanide, Total	Fluoride	Iodide	Ion Balance Difference	Nitrate	Nitrite
						Units	ug/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	mg/L	mg/L	Pct	mg/L	mg/L
						MCL	--	--	--	--	4	1000	200	4	--	--	10	1
						BCL	200	--	--	--	4	--	200	4	--	--	10	1
Shallow	WMW5.58SI	No	44	N	02/01/07	51.7	< 0.5 U	< 5 U	8.39 J-	690	1380	< 10000 U	--	0.46 J+	16.7 J+	--	10.4 J-	62.3 J
Shallow	WMW5.58SI	No	51	N	05/15/08	< 7.8 U	0.3	0.6	0.58	483	967	< 200 U	< 36 U	0.85	< 3 U	3.4	9.5	< 0.4 U
Shallow	WMW5.58SI	No	58	N	09/03/09	< 8.1 U	0.3	0.59	< 0.047 U	R-CAB&TDS	R-CAB&TDS	< 20 U	< 3.5 U	R-CAB&TDS	< 0.3 U	5.7	R-CAB&TDS	0.44
Shallow	WMW5.58SI	Yes	58	N	09/03/09	--	0.3	0.61	< 0.047 U	380	761	< 20 U	--	1.1	< 0.3 U	--	10.8	0.4
Shallow	WMW5.58SS	No	44	N	01/31/07	248	3.8 J	7.6 J	7.64 J+	368	736	< 4000 U	--	0.82	< 15 UJ	--	16.9 J-	< 2 UJ
Shallow	WMW5.58SS	No	51	N	05/15/08	< 7.8 U	0.21 J	0.42 J	< 0.053 U	321	642	< 200 U	59.3	1	< 3 U	3.8	12.8	< 0.4 U
Shallow	WMW5.58SS	No	58	N	09/03/09	< 8.1 U	0.26	0.53	< 0.047 U	307 J-TDS	615 J-TDS	< 20 U	< 3.5 U	0.86 J-TDS	< 0.3 U	0.67	13.9 J-TDS	< 0.06 U
Shallow	WMW5.58SS	Yes	58	N	09/03/09	--	0.26	0.51	< 0.047 U	291	582	< 20 U	--	0.94	< 0.3 U	--	13.8	< 0.06 U
Middle	COH-1	No	44	N	02/12/07	5740	< 25 U	< 250 U	< 50 U	25000 J+	50000 J+	< 200000 U	--	< 10 U	< 15 U	--	< 2 U	885 J
Middle	COH-1	No	51	N	05/12/08	9100	< 0.25 U	< 5 U	< 0.53 U	24100	48200	< 100000 U	68.1	< 2 U	< 30 U	2.2	< 0.024 UJ	< 20 UJ
Middle	COH-1	No	58	N	09/28/09	7990	< 2.6 U	< 50 U	< 4.7 U	24800	49600	< 400 U	< 3.5 U	< 1 U	< 0.3 U	1.4	< 0.5 U	< 6 U
Middle	COH-1	Yes	58	N	09/28/09	--	< 2.6 U	< 50 U	< 4.7 U	23900	47800	< 400 U	--	< 1 U	< 0.3 U	--	< 0.5 U	< 6 U
Middle	COH-2	No	44	N	01/30/07	7880	< 25 U	< 250 U	--	28000	56000	< 200000 U	--	< 10 U	39.6 J+	--	--	742 J-
Middle	COH-2	No	51	N	05/09/08	8520	< 5 U	< 100 U	< 0.53 U	28500	56700	< 100000 U	3.1 J	< 2 U	< 3 U	1.4	< 0.024 U	< 40 U
Middle	COH-2	No	58	N	08/13/09	6570	< 2.6 U	< 50 U	< 4.7 U	24600	49300	< 400 U	< 3.5 UJ	< 1 U	< 30 U	2.4	< 0.5 U	< 3 U
Middle	COH-2	Yes	58	N	08/13/09	--	< 2.6 U	< 50 U	< 4.7 U	22300	44500	< 400 U	--	< 1 U	< 30 U	--	< 0.5 U	< 3 U
Middle	MCF-02B	No	27	N	07/25/04	166	0.18 J	--	< 0.2 U	132	--	< 5 U	--	0.85	< 0.5 UJ	--	1.2 J	0.13 J
Middle	MCF-02B	No	37	N	05/05/06	< 5.5 U	0.13 J	0.25 J	< 1.0 U	< 11 U	< 200 U	< 40 U	< 2.4 U	1.2	< 0.3 UJ	--	2 J-	--
Middle	MCF-02B	No	38	N	08/21/06	< 5.5 U	0.19 J	0.38 J	< 1.0 UJ	169 J	338 J	< 20 U	--	1.2	< 0.3 U	--	1.7	--
Middle	MCF-02B	No	42	N	11/03/06	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	114 J-	228 J-	< 100 U	--	1.3	< 15 U	--	1.7	< 2 UJ
Middle	MCF-02B	No	44	N	02/20/07	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	123	246	< 200 U	--	0.79 J+	< 0.3 UJ	--	1.5 J+	< 2 U
Middle	MCF-02B	No	51	N	04/24/08	24.4 J	0.18 J	0.35 J	< 0.053 U	95 J-CAB	190	< 200000 U	< 2.8 R	1.4	< 3 U	6.5	1.4	< 0.4 U
Middle	MCF-02B	No	58	N	08/21/09	< 8.1 U	0.18 J	0.35 J	< 0.047 U	97.5 J-TDS	195 J-TDS	< 20 U	< 3.5 U	1.3 J-TDS	< 0.3 U	4.8	1.4 J-TDS	< 0.003 U
Middle	MCF-02B	Yes	58	N	08/21/09	--	0.18 J	0.35 J	< 0.047 U	97.6	195	< 20 U	--	1.3	< 0.3 U	--	1.5	< 0.003 U
Middle	MCF-05	No	27	N	07/25/04	9190	< 25 U	--	< 0.2 U	18700 J	--	< 5 U	< 10 U	< 0.5 U	--	--	< 2 UJ	--
Middle	MCF-05	No	37	N	05/17/06	12000	< 10 U	< 100 U	< 5.0 U	28500	57000	< 4000 U	< 2.4 U	2.7 J	< 0.3 U	--	< 0.04 U	< 0.8 UJ
Middle	MCF-05	No	38	N	08/10/06	12300	< 25 U	< 250 U	< 100 U	31800	63600	< 4000 U	--	< 10 U	< 0.3 U	--	< 2 U	--
Middle	MCF-05	No	42	N	11/14/06	10400	< 25 U	< 250 U	< 10 U	29700 J-	59400 J-	< 10000 U	--	1.1 J	< 15 UJ	--	< 2 U	< 2 UJ
Middle	MCF-05	No	44	N	01/31/07	238	1210 J	2420 J	< 10 UJ	29600	59200	< 100000 U	--	< 10 U	< 15 U	--	141 J-	< 4 UJ
Middle	MCF-05	No	51	N	04/30/08	12000	< 5 U	< 100 U	< 11 U	31700	63400	< 100000 U	< 2.8 U	< 2 U	< 30 U	4.5	< 0.48 UJ	< 20 UJ
Middle	MCF-05	No	58	N	08/28/09	13800	< 2.6 U	< 50 U	< 4.7 U	30900 J-TDS	61900 J-TDS	< 800 U	< 3.5 U	< 1 U	< 6 U	1.6	< 0.5 UJ	< 6 U
Middle	MCF-05	Yes	58	N	08/28/09	--	< 2.6 U	< 50 U	< 4.7 U	30400	60900	< 800 U	--	< 1 U	< 6 U	--	< 0.5 U	< 6 U
Middle	MCF-08B-R	No	58	N	08/21/09	2020	1.3 J	2.7 J	< 0.47 U	7830 J-TDS	15700 J-TDS	< 400 U	< 3.5 U	< 0.1 U	< 3 U	0.31	< 0.05 U	< 0.6 U
Middle	MCF-08B-R	No	58	FD	08/21/09	2010	1.4 J	2.8 J	< 0.47 U	7660	15300	< 400 U	< 3.5 U	< 0.1 U	< 3 U	0.77	0.098 J	< 0.6 U
Middle	MCF-08B-R	Yes	58	N	08/21/09	--	1.3 J	2.7 J	< 0.47 U	7230	14500	< 400 U	--	< 0.1 U	< 3 U	--	< 0.05 U	< 0.6 U
Middle	MCF-08B-R	Yes	58	FD	08/21/09	--	1.3 J	2.6 J	< 0.47 U	7390	14800	< 400 U	--	< 0.1 U	< 3 U	--	< 0.05 U	< 0.6 U
Middle	MCF-09B	No	27	N	07/20/04	< 50 U	0.45	--	< 0.2 U	155	--	< 5 U	--	1.1	0.561	--	0.032	< 0.02 U
Middle	MCF-09B	No	37	N	05/03/06	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	162	324	--	< 2.4 U	0.29 J-	< 0.3 UJ	--	< 0.04 U	--
Middle	MCF-09B	No	38	N	08/04/06	< 5.5 U	< 0.5 U	< 5 U	< 1.0 UJ	1530	3060	< 200 U	--	< 0.2 UJ	< 0.3 U	--	--	--
Middle	MCF-09B	No	42	N	10/25/06	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	159	318	< 400 U	--	0.72 J+	< 0.3 U	--	< 0.04 UJ	< 0.04 UJ
Middle	MCF-09B	No	44	N	02/12/07	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	157	314	< 2000 U	--	0.32 J	< 0.3 U	--	< 0.04 U	< 2 U
Middle	MCF-09B	No	51	N	04/25/08	< 7.8 U	0.27	0.55	< 0.053 U	148 J-CAB	297	< 200 UJ	< 2.8 U	0.68 J	< 3 U	5.7	< 0.0024 U	< 0.4 U
Middle	MCF-09B	No	58	N	08/17/09	< 8.1 U	0.24 J	0.48 J	< 0.047 U	149 J-TDS	297 J-TDS	< 40 U	< 3.5 U	0.72 J-TDS	< 0.3 U	1.2	0.023 J-TDS	< 0.06 U
Middle	MCF-09B	No	58	FD	08/17/09	< 8.1 U	0.24 J	0.48 J	0.49 J+	146 J-TDS	292 J-TDS	< 40 U	< 3.5 U	0.79 J-TDS	< 0.3 U	0.26	< 0.005 U	< 0.06 U
Middle	MCF-09B	Yes	58	N	08/17/09	--	0.23 J	0.45 J	< 0.047 U	149	298	< 40 U	--	0.74	< 0.3 U	--	< 0.005 U	< 0.06 U
Middle	MCF-09B	Yes	58	FD	08/17/09	--	0.23 J	0.46 J	< 0.047 U	148	295	< 40 U	--	0.79	< 0.3 U	--	< 0.005 U	< 0.06 U
Middle	MCF-10B	No	27	N	07/21/04	74.4	0.11 J	--	< 0.2 U	148	--	< 5 U	--	0.12	0.131 J	--	0.026 J-	--
Middle	MCF-10B	No	37	N	05/18/06	< 5.5 U	0.18 J	0.36 J	< 1.0 U	245	490	< 40 U	< 2.4 U	0.66	< 0.3 U	--	0.072	< 0.04 UJ
Middle	MCF-10B	No	38	N	08/15/06	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	244	488	< 100 UJ	--	0.35 J	< 0.3 U	--	< 0.04 UJ	< 0.04 UJ
Middle	MCF-10B	No	42	N	11/10/06	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	225	450	< 200 U	--	0.78 J+	< 15 U	--	--	--
Middle	MCF-10B	No	44	N	02/27/07	< 5.5 U	30.6 J	61.2 J	< 1.0 U	364	728	< 40 U	--	< 0.2 U	< 0.3 U	--	--	--
Middle	MCF-10B	No	51	N	05/08/08	< 7.8 U	0.26	0.52	< 0.053 U	206	412	< 200 U	2.9 J-	0.4	< 3 U	4.3	0.22 J-	< 0.2 UJ
Middle	MCF-10B	No	58	N	08/18/09	< 8.1 U	0.25	0.5	< 0.047 U	205	409	< 20 U	< 3.5 U	0.39	< 0.3 U	3.6	0.093	< 0.06 U
Middle	MCF-10B	Yes	58	N	08/18/09	--	0.28	0.55	< 0.047 U	205	409	< 20 U	--	0.39	< 0.3 U	--	0.097	< 0.06 U
Middle	MCF-11	No	27	N	07/27/04	141	0.53 J-	--	< 0.5 U	343	--	< 5 U	--	1.5	< 0.5 U	--	0.18 J	--
Middle	MCF-11	No	37	N	05/16/06	52.7	< 0.5 U	< 5 U	< 1.0 U	374 J-	748 J-	< 100 U	< 2.4 U	1.5 J+	< 0.3 U	--	0.08 J	< 0.04 UJ

GENERAL CHEMISTRY AND PERCHLORATE RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Ammonia	Bromide	Bromine	Chlorate	Chloride	Chlorine	Chlorite	Cyanide, Total	Fluoride	Iodide	Ion Balance Difference	Nitrate	Nitrite
						Units	ug/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	mg/L	mg/L	Pct	mg/L	mg/L
						MCL	--	--	--	--	4	1000	200	4	--	--	10	1
						BCL	200	--	--	--	4	--	200	4	--	--	10	1
Middle	MCF-11	No	38	N	08/18/06	79	< 0.5 U	< 5 U	< 1.0 U	688	1380	< 100 UJ	--	1.7	< 0.3 U	--	--	--
Middle	MCF-11	No	42	N	10/27/06	92.6 J-	< 0.5 U	< 5 U	< 1.0 U	379 J+	758 J+	--	--	1.6	< 15 UJ	--	--	--
Middle	MCF-11	No	44	N	02/23/07	85.5	< 0.5 U	< 5 U	< 1.0 U	383 J	766 J	< 100 U	--	1	< 0.3 U	--	0.42 J	< 2 U
Middle	MCF-11	No	51	N	05/07/08	77.6	0.42	0.83	< 0.053 U	357 J-CAB	713	< 400 U	< 2.8 R	1.1	< 3 U	8.8	< 0.0024 U	< 0.4 U
Middle	MCF-11	No	58	N	08/17/09	105	0.3	0.6	< 0.047 U	348 J-TDS	696 J-TDS	< 40 U	< 3.5 U	1.2 J-TDS	< 0.3 U	1.5	< 0.005 U	< 0.06 UJ
Middle	MCF-11	Yes	58	N	08/17/09	--	0.28	0.56	< 0.047 U	344	688	< 40 U	--	1.2	< 0.3 U	--	< 0.005 U	< 0.06 U
Middle	MCF-12C	No	27	N	07/21/04	< 50 U	0.055 J	--	< 0.2 U	32.6	--	--	< 5 U	0.087 J	1.91	--	0.21 J-	--
Middle	MCF-12C	No	37	N	05/22/06	59.4	0.3	0.6	< 1.0 U	< 11 U	< 200 U	27 J	< 2.4 U	< 0.02 U	< 0.3 U	--	1.3	0.057 J
Middle	MCF-12C	No	38	N	08/10/06	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	135	270	< 100 U	--	0.45	< 0.3 U	--	1.5	--
Middle	MCF-12C	No	42	N	11/03/06	62.2	< 0.5 U	< 5 U	< 1.0 U	143 J	286 J	< 200 U	--	0.66 J	< 15 U	--	1.7	< 2 UJ
Middle	MCF-12C	No	44	N	02/22/07	< 5.5 U	< 0.5 UJ	< 5 UJ	< 1.0 U	244	488	< 200 U	--	< 0.2 U	< 0.3 U	--	2.1 J-	2.6 J-
Middle	MCF-12C	No	51	N	05/09/08	37.9 J	0.36	0.72	0.21 J	109 J-CAB	230	< 1000 U	62	0.51	< 3 U	7.4	1.4	< 0.4 U
Middle	MCF-12C	No	58	N	08/19/09	< 8.1 U	0.3	0.59	0.39 J	115 J-TDS	230 J-TDS	< 20 U	< 3.5 U	0.47 J-TDS	< 0.3 U	2.7	1.5 J-TDS	< 0.003 U
Middle	MCF-12C	Yes	58	N	08/19/09	--	0.28	0.57	0.36 J	116	232	< 20 U	--	0.46	< 0.3 U	--	1.5	< 0.003 U
Middle	MCF-16B	No	27	N	07/23/04	2310	< 5 U	--	12.1	866	--	< 5 U	< 2 U	< 0.5 U	--	--	9.8 J-	--
Middle	MCF-16B	No	37	N	05/19/06	4780	< 0.5 U	< 5 U	< 1.0 U	2600	95200	< 1000 U	< 2.4 U	< 0.2 U	< 0.3 U	--	< 0.04 U	--
Middle	MCF-16B	No	38	N	08/23/06	4990	< 25 U	< 250 U	< 1.0 UJ	2810 J+	5620 J+	< 4000 U	--	< 10 U	< 0.3 U	--	< 2 U	--
Middle	MCF-16B	No	42	N	11/06/06	4360	< 25 UJ	< 250 UJ	< 10 U	2290 J-	4580 J	< 10000 U	--	< 10 UJ	< 15 UJ	--	< 2 UJ	< 2 UJ
Middle	MCF-16B	No	44	N	02/20/07	4190	< 0.5 U	< 5 U	< 50 U	2670 J+	5340 J+	< 40000 U	--	< 10 U	< 15 UJ	--	< 0.04 U	63.2 J
Middle	MCF-16B	No	51	N	05/19/08	5310	< 0.25 U	< 5 U	< 0.53 U	2570	5140	< 20000 U	< 3.6 U	0.33 J	< 3 U	2	< 0.024 U	< 2 U
Middle	MCF-16B	No	58	N	09/30/09	3740	< 2.6 U	< 50 U	< 4.7 U	2450 J-CAB&TDS	4890 J-CAB&TDS	< 800 U	R	1 J-CAB&TDS	< 15 UJ	6.1	0.5 J-CAB&TDS	< 0.3 U
Middle	MCF-16B	Yes	58	N	09/30/09	--	< 2.6 U	< 50 U	< 4.7 U	2420	4850	< 800 U	--	< 1 U	< 15 UJ	--	< 0.5 U	< 0.3 U
Middle	MCF-24B	No	58	N	10/05/09	2400	0.58 J	1.2 J	< 0.47 U	1460 J-TDS	2930 J-TDS	520 J	< 3.5 U	< 0.1 UJ-TDS	< 6 U	0.54	0.59 J-TDS	< 0.6 U
Middle	MCF-24B	Yes	58	N	10/05/09	--	0.51 J	1.1 J	< 0.47 U	1200	2400	410 J	--	0.14 J	< 6 U	--	< 0.05 U	< 0.6 U
Middle	MCF-28B	No	58	N	10/01/09	3290	0.55 J	1.1 J	< 0.94 U	14800 J-TDS	29700 J-TDS	< 800 U	< 3.5 U	< 0.2 UJ-TDS	< 15 U	3.6	< 0.1 UJ-TDS	< 1.5 U
Middle	MCF-28B	Yes	58	N	10/01/09	--	0.55 J	1.1 J	< 0.94 U	14900	29800	< 800 U	--	< 0.2 U	< 15 U	--	< 0.1 U	< 1.5 U
Middle	MCF-29B	No	58	N	10/09/09	11400	< 2.6 U	< 50 U	< 4.7 U	35100 J-TDS	70200	< 800 U	< 3.5 U	< 1 UJ	< 15 U	2.8	< 0.5 UJ	< 6 UJ
Middle	MCF-29B	Yes	58	N	10/09/09	--	< 2.6 U	< 50 U	< 4.7 U	34100	68200	< 800 U	--	< 1 U	< 15 U	--	< 0.5 U	< 6 UJ
Middle	MCF-30B	No	58	N	10/05/09	15400	< 2.6 U	< 50 U	< 4.7 U	58700 J-CAB&TDS	117000 J-CAB&TDS	< 800 U	< 3.5 U	< 1 UJ-CAB&TDS	< 15 U	8	< 0.5 UJ-CAB&TDS	< 6 U
Middle	MCF-30B	Yes	58	N	10/05/09	--	< 2.6 U	< 50 U	< 4.7 U	58700	117000	< 800 U	--	< 1 U	< 15 U	--	< 0.5 U	< 6 U
Middle	MCF-31B	No	58	N	10/09/09	12900	4.1 J	8.3 J	< 4.7 U	38400 J-TDS	76800	< 800 U	< 3.5 U	< 1 UJ	< 15 U	1.5	< 0.5 UJ	< 6 UJ
Middle	MCF-31B	Yes	58	N	10/09/09	--	4.3 J	8.6 J	< 4.7 U	38500	77000	< 800 U	--	< 1 U	< 15 U	--	< 0.5 U	< 6 UJ
Middle	MCF-32B	No	58	N	10/02/09	497	0.27	0.54	< 0.047 U	342 J-CAB&TDS	685 J-CAB&TDS	< 20 U	< 3.5 U	0.23 J-CAB&TDS	< 0.3 U	8.4	0.0092 J-CAB&TDS	< 0.06 U
Middle	MCF-32B	Yes	58	N	10/02/09	--	0.24 J	0.48 J	< 0.047 U	366	732	< 20 U	--	0.23	< 0.3 U	--	< 0.005 U	< 0.06 U
Deep	MCF-01A	No	27	N	07/25/04	409	< 0.25 U	--	< 0.2 U	117	--	< 5 U	--	0.19	< 0.5 U	--	0.16 J	0.15 J
Deep	MCF-01A	No	37	N	05/30/06	154	< 0.5 U	< 5 U	< 1.0 U	< 11 UJ	< 200 UJ	< 100 UJ	< 2.4 U	1.9	< 0.3 U	--	< 0.04 U	< 0.04 U
Deep	MCF-01A	No	38	N	08/07/06	165	< 0.5 U	< 5 U	< 1.0 U	154 J+	308 J+	< 200 U	--	0.41 J	< 0.3 U	--	< 0.04 U	< 0.04 UJ
Deep	MCF-01A	No	42	N	10/24/06	149	< 0.5 U	< 5 U	< 1.0 U	136	272	< 200 U	--	< 0.2 U	< 15 UJ	--	< 2 U	< 2 UJ
Deep	MCF-01A	No	44	N	02/02/07	196 J+	< 25 U	< 250 U	< 1.0 UJ	128 J-	256 J-	< 1000 U	--	< 0.2 U	< 15 U	--	--	--
Deep	MCF-01A	No	51	N	04/28/08	126	0.11 J	0.23 J	< 0.053 U	109	218	< 400 U	< 2.8 U	0.24 J	< 3 U	3.4	0.014 J-	< 0.4 UJ
Deep	MCF-01A	No	58	N	08/10/09	40.2 J	0.14 J	0.29 J	< 0.047 U	121	243	< 80 U	< 3.5 U	0.24	< 0.3 U	0.99	< 0.005 U	< 0.06 U
Deep	MCF-01A	Yes	58	N	08/10/09	--	0.22 J	0.44 J	< 0.047 U	108	216	< 80 U	--	0.25	< 0.3 U	--	< 0.005 U	< 0.06 U
Deep	MCF-02A	No	27	N	07/15/04	< 50 U	0.2 J	--	< 0.2 U	114	--	< 5 U	--	1	< 0.5 U	--	1.7	< 0.02 U
Deep	MCF-02A	No	37	N	05/10/06	< 5.5 U	0.19 J	0.85 J	< 1.0 U	151	531	< 20 U	< 2.4 U	1	< 0.3 U	--	1.8	< 0.04 U
Deep	MCF-02A	No	38	N	08/04/06	< 5.5 U	< 0.5 U	< 5 U	< 1.0 UJ	1290	2590	< 20 U	--	0.94 J	< 0.3 U	--	1.3 J-	--
Deep	MCF-02A	No	42	N	11/07/06	< 5.5 U	0.18 J	0.35 J	< 1.0 U	194 J-	388 J-	< 100 U	--	0.86	< 0.3 U	--	1.5	< 0.004 UJ
Deep	MCF-02A	No	44	N	02/15/07	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	140 J	280 J	< 100 U	--	0.39 J+	< 0.3 U	--	< 0.04 UJ	< 2 UJ
Deep	MCF-02A	No	51	N	05/02/08	37.4 J	0.19 J	0.39 J	< 0.053 U	125	249	< 200 U	< 2.8 U	0.87	< 3 U	3	1.1	< 0.4 U
Deep	MCF-02A	No	58	N	08/21/09	< 8.1 U	0.17 J	0.35 J	< 0.047 U	124 J-TDS	249 J-TDS	< 20 U	< 3.5 U	0.81 J-TDS	< 0.3 U	4.3	1 J-TDS	< 0.06 U
Deep	MCF-02A	Yes	58	N	08/21/09	--	0.18 J	0.37 J	< 0.047 U	120	240	< 20 U	--	0.84	< 0.3 U	--	1.1	< 0.06 U
Deep	MCF-03A	No	27	N	02/25/04	--	--	--	--	--	--	--	--	--	--	--	--	--
Deep	MCF-03A	No	27	N	07/13/04	88.2	0.32	--	0.281 J	145	--	< 5 U	--	1.5	< 0.5 U	--	1.5	< 0.02 U
Deep	MCF-03A	No	37	N	06/07/06	< 5.5 U	< 0.5 U	< 250 U	< 1.0 U	176 J+	352 J+	< 40 U	< 2.4 U	0.92	< 0.3 U	--	2.2	< 0.04 UJ
Deep	MCF-03A	No	38	N	08/14/06	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	178	356	< 20 U	--	< 0.2 UJ	< 0.3 U	--	2.3 J-	< 0.04 UJ
Deep	MCF-03A	No	42	N	11/02/06	< 5.5 U	0.62 J	1.2 J	< 1.0 U	138	276	< 100 U	--	0.95 J	< 15 UJ	--	2.3	< 0.04 UJ
Deep	MCF-03A	No	44	N	02/27/07	< 5.5 U	0.99 J	2 J	< 1.0 U	< 11 U	< 200 U	< 200 U	--	0.53 J	< 0.3 U	--	2410 J-	--

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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Ammonia	Bromide	Bromine	Chlorate	Chloride	Chlorine	Chlorite	Cyanide, Total	Fluoride	Iodide	Ion Balance Difference	Nitrate	Nitrite
						Units	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	mg/L	mg/L	Pct	mg/L
						MCL	--	--	--	--	4	1000	200	4	--	--	10	1
						BCL	200	--	--	--	4	--	200	4	--	--	10	1
Deep	MCF-03A	No	51	N	04/24/08	18.6 J	0.22 J	0.43 J	< 0.053 U	134 J-CAB	269	< 20000 U	< 2.8 R	0.85	< 3 U	9.5	2.3	< 0.4 U
Deep	MCF-03A	No	58	N	08/13/09	45.3 J	0.19 J	0.37 J	< 0.047 U	141 J-CAB&TDS	281 J-CAB&TDS	< 8 U	< 3.5 UJ	0.85 J-CAB&TDS	< 0.3 U	5.8	2.2 J-CAB&TDS	< 0.06 U
Deep	MCF-03A	Yes	58	N	08/13/09	--	0.17 J	0.35 J	< 0.047 U	136	271	< 8 U	--	0.84	< 0.3 U	--	2.2	< 0.06 U
Deep	MCF-04	No	27	N	02/26/04	--	--	--	--	--	--	--	--	--	--	--	--	--
Deep	MCF-04	No	27	N	07/13/04	303	< 0.25 U	--	< 0.2 U	367	--	--	< 5 U	0.41	< 0.5 U	--	0.22	< 0.02 U
Deep	MCF-04	No	37	N	05/10/06	341	< 0.5 U	0.69 J	< 1.0 U	467	6670	< 200 U	< 2.4 U	0.69	< 0.3 U	--	< 0.004 U	< 0.04 U
Deep	MCF-04	No	38	N	08/15/06	310	< 0.5 U	< 5 U	< 1.0 U	855	1710	< 200 UJ	--	0.46 J	< 0.3 U	--	< 0.04 UJ	< 0.04 UJ
Deep	MCF-04	No	42	N	11/08/06	222	< 0.5 U	< 5 U	< 1.0 U	412	824	< 400 U	--	0.59 J	< 15 UJ	--	< 0.04 U	< 2 U
Deep	MCF-04	No	44	N	02/20/07	257	< 0.5 U	< 5 U	< 1.0 U	485	970	< 2000 U	--	< 0.2 U	< 15 UJ	--	< 0.04 U	19.2
Deep	MCF-04	No	51	N	04/30/08	267	0.25	0.49 J	< 0.053 U	425	850	< 1000 U	< 2.8 U	0.38 J	< 3 U	5	< 0.0024 UJ	< 0.4 UJ
Deep	MCF-04	No	58	N	08/28/09	276	0.24 J	0.47 J	< 0.047 U	416	833	< 40 U	< 3.5 U	0.44	< 0.3 U	1.3	< 0.005 U	< 0.06 U
Deep	MCF-04	Yes	58	N	08/28/09	--	0.24 J	0.48 J	< 0.047 U	529	1060	< 40 U	--	0.41	< 0.3 U	--	< 0.005 U	< 0.06 UJ
Deep	MCF-06A-R	No	58	N	09/21/09	23300	< 2.6 U	< 50 U	< 4.7 U	62000 J-TDS	124000 J-TDS	< 2000 U	< 3.5 U	< 1 U	< 6 U	0.26	< 0.5 U	< 6 U
Deep	MCF-06A-R	Yes	58	N	09/21/09	--	< 2.6 U	< 50 U	< 4.7 U	62900	126000	< 2000 U	--	< 1 U	< 6 U	--	< 0.5 U	< 6 U
Deep	MCF-07	No	27	N	07/24/04	14000	< 25 U	--	< 0.2 U	49700	--	--	11.6	12.8	< 0.5 UJ	--	9.3 J	--
Deep	MCF-07	No	38	N	08/30/06	26000 J	< 25 U	< 250 U	< 1.0 U	46000 J+	92000 J+	< 10000 U	--	< 10 U	< 0.3 U	--	< 2 U	--
Deep	MCF-07	No	42	N	11/10/06	51300	< 25 U	< 250 U	< 1.0 U	11400 J	22800 J	< 20000 U	--	148 J+	< 15 U	--	--	--
Deep	MCF-07	No	44	N	02/23/07	26100	< 25 UJ	< 250 UJ	< 50 U	47700	95400	< 20000 U	--	< 10 U	< 15 U	--	< 2 UJ	--
Deep	MCF-07	No	51	N	05/02/08	29300	< 2.5 U	< 50 U	< 5.3 U	44600 J-CAB	89100	< 100000 U	< 2.8 U	< 1 U	< 30 U	6.1	< 0.24 U	< 20 U
Deep	MCF-07	No	58	N	09/11/09	R	R	R	R	R	R	R	R	R	R	R	R	R
Deep	MCF-07	Yes	58	N	09/11/09	--	R	R	R	R	R	R	--	R	R	--	R	R
Deep	MCF-08A	No	27	N	07/18/04	2940	< 2500 U	--	< 0.2 U	19600 J-	--	--	< 5 UJ-	< 1000 U	10.8 J+	--	--	--
Deep	MCF-08A	No	37	N	06/07/06	5320	< 25 U	< 250 U	< 1.0 U	46500 J+	93000 J+	< 10000 U	< 2.4 U	< 10 U	< 0.3 U	--	< 2 U	< 2 UJ
Deep	MCF-08A	No	38	N	08/23/06	5960	< 25 U	< 250 U	< 1.0 UJ	50900 J+	102000 J+	< 4000 U	--	26 J	< 0.3 U	--	< 2 U	--
Deep	MCF-08A	No	42	N	11/10/06	7210	< 25 U	< 250 U	< 1.0 U	28500 J	57000 J	< 10000 U	--	125 J+	< 15 UJ	--	--	532 J-
Deep	MCF-08A	No	44	N	02/08/07	1190	< 25 U	< 250 U	< 50 U	73900 J-	148000 J-	< 400000 U	--	< 10 U	19.6 J+	--	--	--
Deep	MCF-08A	No	51	N	05/06/08	6960	< 5 U	< 100 U	< 0.53 U	52800 J-CAB	106000	< 100000 U	< 2.8 R	< 2 U	< 30 U	6.7	< 0.48 UJ	< 40 UJ
Deep	MCF-08A	No	58	N	08/31/09	6510	< 2.6 U	< 50 U	< 4.7 U	51200 J-CAB&TDS	102000 J-CAB&TDS	< 800 U	< 3.5 U	< 1 U	< 6 U	7.4	< 0.5 U	< 6 U
Deep	MCF-08A	Yes	58	N	08/31/09	--	< 2.6 U	< 50 U	< 4.7 U	51900	104000	< 800 U	--	< 1 U	< 6 U	--	< 0.5 U	< 6 U
Deep	MCF-09A	No	27	N	07/19/04	1340	< 2500 U	--	< 0.02 U	4110	--	--	< 5 U	< 0.1 U	< 0.5 U	--	--	--
Deep	MCF-09A	No	37	N	05/16/06	1490	< 0.5 U	< 5 U	< 1.0 U	4540	9080	270 J	< 2.4 U	2.2 J+	1630	--	< 0.04 U	< 0.04 UJ
Deep	MCF-09A	No	38	N	08/10/06	1540	< 25 U	< 250 U	< 1.0 U	4860	9720	< 1000 U	--	< 10 U	< 0.3 U	--	< 2 U	--
Deep	MCF-09A	No	42	N	10/24/06	1520	< 25 U	< 250 U	< 1.0 U	4580	9160	< 10000 U	--	< 10 U	< 15 UJ	--	< 0.04 U	< 2 UJ
Deep	MCF-09A	No	44	N	02/12/07	1440	< 25 U	< 250 U	< 1.0 U	4350 J+	8700 J+	< 20000 U	--	< 10 U	< 15 U	--	< 2 U	< 20 UJ
Deep	MCF-09A	No	51	N	04/28/08	1690	< 0.25 U	< 5 U	< 0.53 U	4280	8560	< 20000 U	< 2.8 U	< 0.1 U	< 3 U	1.8	< 0.024 UJ	< 2 UJ
Deep	MCF-09A	No	58	N	08/17/09	2200	1 J	2 J	< 0.47 U	5110 J-CAB&TDS	10200 J-CAB&TDS	< 200 U	< 3.5 U	< 0.1 U	< 6 U	5.8	< 0.05 U	< 0.6 U
Deep	MCF-09A	Yes	58	N	08/17/09	--	1.3 J	2.6 J	< 0.47 U	6490	13000	< 200 U	--	< 0.1 U	< 6 U	--	< 0.05 U	< 0.6 U
Deep	MCF-10A	No	27	N	07/21/04	200	< 0.25 U	--	< 0.2 U	266	--	--	< 5 U	0.077 J	0.121 J	--	0.033 J-	0.21 J-
Deep	MCF-10A	No	37	N	05/31/06	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	1600 J-	3200 J-	99 J-	< 2.4 U	0.75 J	< 0.3 U	--	0.14 J	< 0.04 UJ
Deep	MCF-10A	No	38	N	08/21/06	244	< 0.5 U	< 5 U	< 1.0 UJ	1190 J	2380 J	< 200 U	--	0.67 J	< 0.3 U	--	< 0.04 U	--
Deep	MCF-10A	No	42	N	11/14/06	87.2	< 0.5 U	< 5 U	< 1.0 U	1310	2620	< 4000 U	--	1.6 J	261 J	--	< 0.04 U	< 2 UJ
Deep	MCF-10A	No	44	N	02/16/07	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	1440 J+	2880 J+	< 4000 U	--	0.36 J+	< 15 U	--	< 0.04 U	48
Deep	MCF-10A	No	51	N	05/23/08	102	< 0.25 U	< 5 U	< 0.53 U	1390 J-CAB	2780	< 1000 U	< 3.6 R	< 0.1 U	< 3 U	8.5	< 0.024 U	< 4 U
Deep	MCF-10A	No	58	N	08/31/09	151	0.31	0.62	< 0.047 U	R-CAB&TDS	R-CAB&TDS	< 80 U	< 3.5 U	R-CAB&TDS	< 0.3 U	7.9	< 0.005 U	< 0.06 U
Deep	MCF-10A	Yes	58	N	08/31/09	--	0.32	0.65	< 0.047 U	1350	2710	< 80 U	--	0.16	< 0.3 U	--	< 0.005 U	< 0.06 U
Deep	MCF-12A	No	27	N	07/22/04	1440	0.65	--	< 0.2 U	868	--	--	< 5 U	0.24	0.129 J	--	0.046	679
Deep	MCF-12A	No	37	N	05/18/06	1490	0.72 J	1.4 J	< 1.0 U	993	1990	< 200 U	< 2.4 U	1.6	< 0.3 U	--	< 0.04 U	< 0.04 UJ
Deep	MCF-12A	No	38	N	08/10/06	1690	< 0.5 U	< 5 U	< 1.0 U	1040	2080	< 200 U	--	< 0.2 U	< 0.3 U	--	< 0.04 U	--
Deep	MCF-12A	No	42	N	11/10/06	1790	< 0.5 U	< 5 U	< 1.0 U	897 J	1790 J	< 10000 U	--	0.94 J+	< 15 U	--	--	--
Deep	MCF-12A	No	44	N	02/23/07	1560	< 25 U	< 250 U	< 1.0 U	1320 J	2640 J	< 200 U	--	0.55 J	< 0.3 U	--	< 0.04 UJ	< 2 U
Deep	MCF-12A	No	51	N	05/08/08	1720	< 0.25 U	< 5 U	< 0.53 U	937 J-CAB	1870	< 400 U	< 2.8 R	0.46 J	< 3 U	7.8	< 0.024 UJ	< 4 UJ
Deep	MCF-12A	No	58	N	08/27/09	1910 J-	0.4	0.81	< 0.047 U	931	1860	< 80 U	< 3.5 U	0.32	< 0.3 U	0.08 J	< 0.005 U	< 0.06 U
Deep	MCF-12A	Yes	58	N	08/27/09	--	0.41	0.83	< 0.047 U	921	1840	< 80 U	--	0.33	< 0.3 U	--	< 0.005 U	< 0.06 U
Deep	MCF-16A	No	27	N	07/23/04	712	< 1300 U	--	< 1000 U	8750	--	--	< 5 U	< 500 U	--	--	--	--
Deep	MCF-16A	No	37	N	05/18/06	4310	< 0.5 U	< 5 U	< 1.0 U	3270	1640	< 1000 U	< 2.4 U	< 10 U	< 0.3 U	--	< 0.04 U	< 0.04 UJ
Deep	MCF-16A	No	38	N	08/21/06	5040	< 25 U	< 250 U	< 1.0 UJ	5720	11400	< 4000 U	--	< 10 U	< 0.3 U	--	< 2 U	--

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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Ammonia	Bromide	Bromine	Chlorate	Chloride	Chlorine	Chlorite	Cyanide, Total	Fluoride	Iodide	Ion Balance Difference	Nitrate	Nitrite
						Units	ug/L	mg/L	mg/L	mg/L	mg/L	ug/L	ug/L	mg/L	mg/L	Pct	mg/L	mg/L
						MCL	--	--	--	--	4	1000	200	4	--	--	10	1
						BCL	200	--	--	--	4	--	200	4	--	--	10	1
Deep	MCF-16A	No	42	N	11/06/06	7640	< 25 UJ	< 250 UJ	< 10 U	3290 J-	6580 J	< 10000 U	--	< 10 UJ	< 15 U	--	< 2 UJ	< 2 UJ
Deep	MCF-16A	No	44	N	02/16/07	4470	< 25 U	< 250 U	< 50 UJ	4620 J+	9240 J+	< 40000 U	--	< 10 U	< 15 U	--	< 0.04 U	105 J
Deep	MCF-16A	No	51	N	05/19/08	5120	< 0.25 U	< 5 U	< 0.53 U	3660 J-CAB	7320	< 20000 U	< 3.6 U	< 2 U	< 3 U	12.9	< 0.024 U	< 2 U
Deep	MCF-16A	No	58	N	10/05/09	4210	< 2.6 U	< 50 U	< 4.7 U	3440 J-CAB&TDS	6880 J-CAB&TDS	1900 J	< 3.5 U	< 1 UJ	< 15 U	5.5	< 0.5 UJ	< 0.3 UJ
Deep	MCF-16A	Yes	58	N	10/05/09	--	< 2.6 U	< 50 U	< 4.7 U	3470	6950	2000 J	--	< 1 U	< 15 U	--	< 0.5 U	< 0.3 UJ
Deep	MCF-17A	No	51	N	07/21/08	11400	< 2.5 U	< 50 U	< 5.3 U	30100	60200	--	< 3.6 U	< 1 U	< 3 U	2.4	< 0.24 U	< 40 U
Deep	MCF-17A	No	58	N	09/29/09	4110	< 2.6 U	< 50 U	< 4.7 U	28200	56400	< 800 U	< 3.5 U	< 1 U	< 15 UJ	2.4	< 0.5 U	< 6 UJ
Deep	MCF-17A	No	58	FD	09/29/09	4160	< 2.6 U	< 50 U	< 4.7 U	28200	56500	< 800 U	< 3.5 U	< 1 U	< 15 UJ	1.1	< 0.5 U	< 6 UJ
Deep	MCF-17A	Yes	58	N	09/29/09	--	< 2.6 U	< 50 U	< 4.7 U	28000	56100	< 800 U	--	< 1 U	< 15 UJ	--	< 0.5 U	< 6 UJ
Deep	MCF-17A	Yes	58	FD	09/29/09	--	< 2.6 U	< 50 U	< 4.7 U	27600	55300	< 800 U	--	< 1 U	< 15 UJ	--	< 0.5 U	< 6 UJ
Deep	MCF-18A	No	51	N	07/18/08	22400	< 2.5 UJ	< 50 UJ	< 5.3 UJ	123000 J-CAB	247000	< 4000 U	4.8 J	< 1 U	< 30 U	14.8	< 0.24 UJ	< 100 UJ
Deep	MCF-18A	No	58	N	09/21/09	15500	< 2.6 U	< 50 U	< 4.7 U	114000 J-TDS	228000 J-TDS	< 2000 U	< 3.5 U	< 1 U	< 6 U	3	< 0.5 U	< 6 U
Deep	MCF-18A	No	58	FD	09/21/09	15800	< 2.6 U	< 50 U	< 4.7 U	112000 J-TDS	223000 J-TDS	< 2000 U	< 3.5 U	< 1 U	< 6 U	1.2	< 0.5 U	< 6 U
Deep	MCF-18A	Yes	58	N	09/21/09	--	< 2.6 U	< 50 U	< 4.7 U	106000	212000	< 2000 U	--	< 1 U	< 6 U	--	< 0.5 U	< 6 U
Deep	MCF-18A	Yes	58	FD	09/21/09	--	< 2.6 U	< 50 U	< 4.7 U	105000	210000	< 2000 U	--	< 1 U	< 6 U	--	< 0.5 U	< 6 U
Deep	MCF-19A	No	51	N	07/21/08	10400	< 2.5 U	< 50 U	< 5.3 U	34900	69700	--	< 3.6 U	< 1 U	< 30 U	4.9	< 0.24 U	< 40 U
Deep	MCF-19A	No	58	N	09/03/09	13600	4.4 J	8.9 J	< 4.7 U	31900 J-CAB&TDS	63800 J-CAB&TDS	< 2000 U	< 3.5 U	< 1 U	< 6 U	6.9	< 0.5 U	< 6 U
Deep	MCF-19A	No	58	FD	09/03/09	14100	4 J	8 J	< 4.7 U	33000 J-TDS	66000 J-TDS	< 2000 U	< 3.5 U	< 1 U	< 6 U	2.5	< 0.5 U	< 6 U
Deep	MCF-19A	Yes	58	N	09/03/09	--	4 J	7.9 J	< 4.7 U	31600	63200	< 2000 U	--	< 1 U	< 6 U	--	< 0.5 U	< 6 U
Deep	MCF-19A	Yes	58	FD	09/03/09	--	3.5 J	6.9 J	< 4.7 U	32000	63900	< 2000 U	--	< 1 U	< 6 U	--	< 0.5 U	< 6 U
Deep	MCF-20A	No	51	N	07/18/08	21500	< 2.5 UJ	< 50 UJ	< 5.3 U	72000 J-CAB	144000 J-CAB	< 10000 U	< 3.6 U	< 1 U	< 30 U	11.1	< 0.24 U	< 40 U
Deep	MCF-20A	No	58	N	09/03/09	25600	6.1 J	12.2 J	< 4.7 U	R-CAB&TDS	R-CAB&TDS	< 2000 U	< 3.5 U	< 1 U	< 6 U	11.1	< 0.5 U	< 6 U
Deep	MCF-20A	Yes	58	N	09/03/09	--	6.9 J	13.8 J	< 4.7 U	57300	115000	< 2000 U	--	< 1 U	< 6 U	--	< 0.5 U	< 6 U
Deep	MCF-21A	No	51	N	07/23/08	26400	< 2.5 U	< 50 U	< 5.3 U	18000	36000	< 10000 U	< 3.6 U	< 1 U	< 30 U	4	< 0.24 U	< 40 U
Deep	MCF-21A	No	58	N	08/25/09	25900	< 2.6 U	< 50 U	< 4.7 U	16300 J-TDS	32600 J-TDS	< 400 U	< 3.5 U	< 1 U	< 6 U	4.2	< 0.5 U	< 0.3 U
Deep	MCF-21A	Yes	58	N	08/25/09	--	< 2.6 U	< 50 U	< 4.7 U	16300	32700	< 400 U	--	< 1 U	< 6 U	--	< 0.5 U	< 0.3 U
Deep	MCF-22A	No	51	N	07/23/08	298	< 0.25 U	< 5 U	< 0.53 U	108	216	< 200 U	< 3.6 U	0.8 J	< 3 U	2.3	< 0.024 UJ	< 0.2 U
Deep	MCF-22A	No	58	N	10/09/09	273	0.21 J	0.43 J	< 0.047 U	R-CAB&TDS	269	< 40 U	< 3.5 U	R-CAB&TDS	< 0.3 U	5.5	< 0.005 UJ	< 0.003 UJ
Deep	MCF-22A	Yes	58	N	10/09/09	--	0.24 J	0.49 J	< 0.047 U	124	248	< 40 U	--	0.71	< 0.3 U	--	< 0.005 U	< 0.003 UJ
Deep	MCF-23A	No	51	N	07/21/08	9970	< 2.5 U	< 50 U	< 5.3 U	16200	32300	--	7.6	< 1 U	< 3 U	0.56	< 0.24 U	< 40 U
Deep	MCF-23A	No	58	N	10/05/09	5680	< 2.6 U	< 50 U	< 4.7 U	15800 J-CAB&TDS	31500 J-CAB&TDS	810 J	< 3.5 U	< 1 UJ-CAB&TDS	< 15 U	5.4	< 0.5 UJ-CAB&TDS	< 6 U
Deep	MCF-23A	Yes	58	N	10/05/09	--	< 2.6 U	< 50 U	< 4.7 U	16200	32300	< 400 U	--	< 1 U	< 15 U	--	< 0.5 U	< 6 U
Deep	MCF-24A	No	51	N	07/28/08	8700	< 2.5 U	< 50 U	< 5.3 U	10100 J-CAB	20200	--	12.2	< 1 U	< 30 U	5.6	< 0.24 U	< 40 U
Deep	MCF-24A	No	58	N	08/28/09	11800	< 2.6 U	< 50 U	< 4.7 U	10600 J-TDS	21300 J-TDS	< 400 U	< 3.5 U	< 1 U	< 6 U	2.7	< 0.5 U	< 0.3 U
Deep	MCF-24A	Yes	58	N	08/28/09	--	< 2.6 U	4.9 J	< 4.7 U	15800	31600	< 400 U	--	< 1 U	< 6 U	--	< 0.5 U	< 0.3 U
Deep	MCF-25A	No	51	N	07/28/08	478	< 0.25 U	< 50 U	< 0.53 U	596	1190	--	< 3.6 U	0.26	< 3 U	3	< 0.024 U	< 2 U
Deep	MCF-25A	No	58	N	08/28/09	432	0.29	0.58	< 0.047 U	601 J-TDS	1200 J-TDS	< 80 U	< 3.5 U	0.25 J-TDS	< 0.3 U	3.5	< 0.005 U	< 0.06 U
Deep	MCF-25A	Yes	58	N	08/28/09	--	0.29	0.59	< 0.047 U	623	1250	< 80 U	--	0.26	< 0.3 U	--	< 0.005 U	< 0.06 U
Deep	MCF-27	No	27	N	07/26/04	53.1	< 2.5 U	--	< 0.2 U	113	--	--	< 5 U	0.28 J	< 0.5 U	--	1.6 J-	--
Deep	MCF-27	No	37	N	05/19/06	< 5.5 U	0.18 J	0.36 J	< 1.0 U	< 11 U	< 200 U	< 40 U	< 2.4 U	0.82	< 0.3 U	--	1.3	--
Deep	MCF-27	No	38	N	08/02/06	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	136 J-	272 J-	< 40 U	--	0.83 J	< 0.3 U	--	1.4 J-	< 0.04 UJ
Deep	MCF-27	No	42	N	10/20/06	< 5.5 U	0.19 J	0.38 J	< 1.0 U	< 11 U	< 200 U	< 200 U	--	0.82	< 15 U	--	1.5	< 0.04 UJ
Deep	MCF-27	No	44	N	02/20/07	< 5.5 U	< 0.5 U	< 5 U	< 1.0 U	104	208	< 400 U	--	0.33 J+	< 15 UJ	--	1.2 J+	< 2 U
Deep	MCF-27	No	51	N	05/19/08	< 7.8 U	0.11 J	0.21 J	< 0.053 U	98.9	198	< 200 U	< 3.6 U	0.8	< 3 U	0.56	0.96	< 0.4 U
Deep	MCF-27	No	58	N	09/14/09	15.1 J	0.15 J	0.31 J	< 0.047 U	R-CAB&TDS	R-CAB&TDS	< 8 U	< 3.5 U	R-CAB&TDS	< 0.3 U	8.3	R-CAB&TDS	< 0.03 U
Deep	MCF-27	Yes	58	N	09/14/09	--	0.16 J	0.32 J	< 0.047 U	90.5	181	< 8 U	--	0.74	< 0.3 U	--	0.92	< 0.03 U
Deep	MCF-28A	No	58	N	09/29/09	12600	< 2.6 U	< 50 U	< 4.7 U	105000 J-CAB	210000 J-CAB	< 800 U	< 3.5 U	< 1 UJ	< 15 UJ	14.2	< 0.5 UJ	< 6 UJ
Deep	MCF-28A	Yes	58	N	09/29/09	--	< 2.6 U	< 50 U	< 4.7 U	106000	212000	< 800 U	--	< 1 U	< 15 UJ	--	< 0.5 U	< 6 UJ
Deep	MCF-29A	No	58	N	09/29/09	13900	< 2.6 U	< 50 U	< 4.7 U	61600	123000	920 J	< 3.5 U	< 1 U	< 15 UJ	2.9	< 0.5 U	< 6 UJ
Deep	MCF-29A	Yes	58	N	09/29/09	--	< 2.6 U	< 50 U	< 4.7 U	61800	124000	< 800 U	--	< 1 U	< 15 UJ	--	< 0.5 U	< 6 UJ
Deep	MCF-30A	No	58	N	10/05/09	22500	< 2.6 U	< 50 U	< 4.7 U	99600 J-CAB&TDS	199000 J-CAB&TDS	1300 J	< 3.5 U	< 1 UJ-CAB&TDS	< 15 U	10.1	< 0.5 UJ-CAB&TDS	< 6 U
Deep	MCF-30A	Yes	58	N	10/05/09	--	< 2.6 U	< 50 U	< 4.7 U	100000	201000	1400 J	--	< 1 U	< 15 U	--	< 0.5 U	< 6 U
Deep	MCF-31A	No	58	N	09/29/09	23400	< 2.6 U	< 50 U	< 4.7 U	85700 J-TDS	171000 J-TDS	< 2000 U	< 3.5 U	1 J-TDS	< 15 UJ	4.4	0.5 J-TDS	< 6 UJ
Deep	MCF-31A	Yes	58	N	09/29/09	--	< 2.6 U	< 50 U	< 4.7 U	83900	168000	< 2000 U	--	< 1 U	< 15 UJ	--	< 0.5 U	< 6 UJ

-- = no sample data.

GENERAL CHEMISTRY AND PERCHLORATE RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Orthophosphate	Perchlorate	Sulfate	Sulfide	Total Kjeldahl Nitrogen
						Units	mg/L	ug/L	mg/L	mg/L
						MCL	--	--	--	--
						BCL	--	18	--	--
Shallow	AA-01	No	27	N	07/15/04	5510	1780 J-	1440	< 1 U	0.32
Shallow	AA-01	No	37	N	04/26/06	2 J-	1170	1500	< 0.31 U	< 0.058 U
Shallow	AA-01	No	38	N	08/01/06	7.2 J-	1530	1700	--	< 0.058 UJ
Shallow	AA-01	No	42	N	10/18/06	5.3	1550	1600	--	97.5
Shallow	AA-01	No	44	N	01/25/07	5.6	1290	2140 J-	--	0.42
Shallow	AA-01	No	51	N	04/22/08	< 0.05 U	--	1460	< 0.18 U	0.88
Shallow	AA-01	No	58	N	08/07/09	< 0.05 U	1900	1640	< 0.083 U	< 0.25 U
Shallow	AA-01	Yes	58	N	08/07/09	< 0.05 U	1900	1720	--	--
Shallow	AA-07	No	27	N	07/24/04	--	516	1190	1.2	< 0.1 U
Shallow	AA-07	No	37	N	06/06/06	< 1 UJ	405	1100	< 0.31 U	< 0.058 U
Shallow	AA-07	No	38	N	08/16/06	4 J-	467	874 J+	--	< 0.058 U
Shallow	AA-07	No	42	N	11/03/06	< 1 U	509	1130 J-	--	< 0.058 UJ
Shallow	AA-07	No	44	N	02/26/07	16.3 J	484	1090 J-	--	< 0.25 U
Shallow	AA-07	No	51	N	04/21/08	< 0.05 UJ	482	1010	< 0.18 U	0.65
Shallow	AA-07	No	58	N	08/10/09	< 0.05 U	400	956 J-TDS	< 0.083 U	< 0.25 U
Shallow	AA-07	Yes	58	N	08/10/09	< 0.05 U	460	1050	--	--
Shallow	AA-08	No	27	N	07/19/04	375 J-	4670 J-	2070	< 1 U	0.37
Shallow	AA-08	No	37	N	05/25/06	< 1 UJ	2790	2170	< 0.31 U	< 0.058 U
Shallow	AA-08	No	38	N	08/14/06	< 1 UJ	3130	2050	--	< 0.058 U
Shallow	AA-08	No	42	N	11/01/06	< 1 U	5210	1910	--	< 0.058 UJ
Shallow	AA-08	No	44	N	02/08/07	< 1 UJ	5180	2140	--	< 0.25 U
Shallow	AA-08	No	51	N	05/16/08	< 0.05 U	5080	1820 J-CAB	< 0.18 U	0.37 J
Shallow	AA-08	No	58	N	08/14/09	0.25 J-	3300	1820 J-TDS	< 0.083 U	< 0.25 U
Shallow	AA-08	Yes	58	N	08/14/09	0.23 J-	3200	1840	--	--
Shallow	AA-09	No	27	N	07/20/04	1.9 J	11000 J-	2620	< 1 U	0.41
Shallow	AA-09	No	37	N	05/01/06	128 J-	6470	2740	< 0.31 U	--
Shallow	AA-09	No	38	N	08/11/06	145 J-	7020	2850 J	--	< 0.058 U
Shallow	AA-09	No	42	N	10/23/06	< 50 UJ	7470	2200 J-	--	< 0.058 UJ
Shallow	AA-09	No	44	N	01/26/07	174 J-	6710	3330	--	< 0.25 U
Shallow	AA-09	No	51	N	05/16/08	< 0.5 U	6510	3050	< 0.18 U	< 0.25 U
Shallow	AA-09	No	58	N	08/12/09	< 0.05 U	6000	2870	< 0.083 U	< 0.25 U
Shallow	AA-09	Yes	58	N	08/12/09	< 0.05 U	7200	2870	--	--
Shallow	AA-10	No	27	N	07/20/04	0.98 J	4000 J-	2280	< 1 U	0.46
Shallow	AA-10	No	37	N	05/12/06	1.6 J	2970	2310	< 0.31 U	< 0.058 U
Shallow	AA-10	No	38	N	08/11/06	< 1 UJ	2400	2240 J	--	< 0.058 U
Shallow	AA-10	No	42	N	10/27/06	--	2220	2080	--	0.26 J-
Shallow	AA-10	No	44	N	02/05/07	219 J+	2490	1800	--	0.34
Shallow	AA-10	No	51	N	05/12/08	< 0.05 UJ	3430 J+	1960	< 0.18 U	< 0.25 U
Shallow	AA-10	No	58	N	08/11/09	< 0.05 U	4300	1800 J-TDS	< 0.083 U	< 0.25 U
Shallow	AA-10	Yes	58	N	08/11/09	< 0.05 U	5100	1810	--	--
Shallow	AA-13	No	27	N	07/14/04	< 0.5 U	< 4 U	588 J	< 1 U	< 0.1 UJ
Shallow	AA-13	No	37	N	05/12/06	< 1 U	16.3	1160	< 0.31 U	< 0.058 U
Shallow	AA-13	No	38	N	08/03/06	--	23	1380 J	--	< 0.058 UJ
Shallow	AA-13	No	42	N	10/20/06	< 1 U	31.7	< 25 UJ	--	0.12 J-
Shallow	AA-13	No	44	N	01/26/07	< 50 U	10.1	1050	--	< 0.25 U
Shallow	AA-13	No	51	N	05/12/08	< 0.05 U	37.8 J+	1370	< 0.18 U	1.1
Shallow	AA-13	No	58	N	08/13/09	< 0.05 U	97	1590 J-TDS	< 0.083 U	< 0.25 U
Shallow	AA-13	Yes	58	N	08/13/09	< 0.05 U	92	1310	--	--
Shallow	AA-18	No	27	N	02/06/07	< 0.5 U	88.3	499	< 1 U	< 0.1 U
Shallow	AA-18	No	37	N	05/19/06	< 1 U	97.2	503	< 0.31 U	< 0.058 U
Shallow	AA-18	No	38	N	08/10/06	< 1 UJ	106	439	--	< 0.058 U
Shallow	AA-18	No	42	N	10/31/06	--	107	< 25 U	--	< 0.058 UJ
Shallow	AA-18	No	44	N	02/06/07	< 1 UJ	109	460 J-	--	0.56
Shallow	AA-18	No	51	N	05/13/08	< 0.05 U	106	429 J-CAB	< 0.18 U	< 0.25 U
Shallow	AA-18	No	58	N	08/11/09	< 0.05 U	110	R-CAB&TDS	< 0.083 U	< 0.25 U
Shallow	AA-18	Yes	58	N	08/11/09	< 0.05 U	110	420	--	--

GENERAL CHEMISTRY AND PERCHLORATE RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Orthophosphate	Perchlorate	Sulfate	Sulfide	Total Kjeldahl Nitrogen
					Units	mg/L	ug/L	mg/L	mg/L	mg/L
					MCL	--	--	--	--	--
					BCL	--	18	--	--	--
Shallow	AA-20	No	27	N	07/23/04	--	6050	2490	< 1 U	< 0.1 U
Shallow	AA-20	No	37	N	05/02/06	117 J-	6040	3430	< 0.31 U	--
Shallow	AA-20	No	38	N	08/11/06	115 J-	5350	2960 J	--	< 0.058 U
Shallow	AA-20	No	42	N	10/30/06	110	5100	2720	--	< 0.058 UJ
Shallow	AA-20	No	44	N	01/30/07	126 J-	5750	3640 J-	--	0.28
Shallow	AA-20	No	51	N	05/14/08	< 0.05 UJ	7180	2660 J-CAB	< 0.18 U	0.59 J-
Shallow	AA-20	No	58	N	09/11/09	< 0.05 U	5300	2540	0.3 J	< 0.25 U
Shallow	AA-20	Yes	58	N	09/11/09	< 0.05 U	5400	2510	--	--
Shallow	AA-21	No	27	N	07/25/04	2140 J	< 5 U	3910	< 1 U	0.2 J
Shallow	AA-21	No	37	N	05/19/06	< 1 U	67.3	3100	< 0.31 U	0.12
Shallow	AA-21	No	38	N	08/17/06	< 1 UJ	73.4	7220 J	--	< 0.058 U
Shallow	AA-21	No	42	N	10/31/06	--	74.4	3200	--	0.82 J
Shallow	AA-21	No	44	N	01/29/07	< 1 UJ	72.8	3590 J-	--	0.12
Shallow	AA-21	No	51	N	05/13/08	< 0.5 U	64.2	2950	< 0.18 U	< 0.25 U
Shallow	AA-21	No	58	N	08/12/09	< 0.05 U	52	2800	< 0.083 U	< 0.25 U
Shallow	AA-21	Yes	58	N	08/12/09	< 0.05 U	57	2770	--	--
Shallow	AA-22	No	27	N	07/17/04	--	155 J-	871	< 1 U	0.31
Shallow	AA-22	No	37	N	05/24/06	< 1 U	< 1.6 U	1360	< 0.31 U	0.5
Shallow	AA-22	No	38	N	08/18/06	--	42.9	972	--	0.55
Shallow	AA-22	No	42	N	11/03/06	< 1 U	11.2	1010 J-	--	0.94 J-
Shallow	AA-22	No	44	N	02/09/07	33.8 J	43.5	1170 J+	--	0.29
Shallow	AA-22	No	51	N	05/14/08	< 0.05 UJ	92.9	1660 J-CAB	< 0.18 U	0.65 J-
Shallow	AA-22	No	58	N	09/23/09	< 0.05 U	1700	1900 J-TDS	< 0.083 U	R
Shallow	AA-22	Yes	58	N	09/23/09	< 0.05 U	1700	1930	--	--
Shallow	AA-23-R	No	51	N	05/19/08	< 0.5 U	682	1920	< 0.18 U	< 0.25 U
Shallow	AA-23-R	No	58	N	09/10/09	< 0.05 U	1900	1880 J-TDS	0.6 J	< 0.25 U
Shallow	AA-23-R	Yes	58	N	09/10/09	< 0.05 U	54	1860	--	--
Shallow	AA-26	No	27	N	07/20/04	0.086 J	18.4	1000	< 1 U	< 0.1 U
Shallow	AA-26	No	37	N	05/24/06	0.38 J	< 1.6 U	1200	< 0.31 U	< 0.058 U
Shallow	AA-26	No	38	N	08/17/06	< 1 UJ	23.2	1160 J	--	< 0.058 U
Shallow	AA-26	No	42	N	10/26/06	< 1 U	24.2	1230	--	0.34 J-
Shallow	AA-26	No	44	N	02/28/07	15.4 J	21.1	1590 J	--	< 0.25 U
Shallow	AA-26	No	51	N	05/19/08	< 0.05 U	31.8	1170	< 0.18 U	< 0.25 U
Shallow	AA-26	No	58	N	09/11/09	< 0.05 U	49 J	1100 J-TDS	0.4 J	< 0.25 U
Shallow	AA-26	Yes	58	N	09/11/09	< 0.05 U	48 J	1140	--	--
Shallow	AA-27	No	27	N	07/16/04	8620 J-	< 4 U	2470	< 1 U	0.38
Shallow	AA-27	No	37	N	04/27/06	1.7 J-	247	2410	< 0.31 U	< 0.058 U
Shallow	AA-27	No	38	N	08/02/06	< 1 UJ	246	6870 J-	--	< 0.058 UJ
Shallow	AA-27	No	42	N	10/19/06	< 1 U	261	2700 J-	--	0.26 J-
Shallow	AA-27	No	44	N	02/02/07	< 1 UJ	249	2800 J-	--	0.51
Shallow	AA-27	No	51	N	05/14/08	< 0.05 UJ	266	2380 J-CAB	< 0.18 U	0.46 J-
Shallow	AA-27	No	58	N	08/26/09	< 0.05 U	230	2320 J-TDS	< 0.083 U	< 0.25 U
Shallow	AA-27	Yes	58	N	08/26/09	< 0.05 U	230	2290	--	--
Shallow	AA-30	No	58	N	09/09/09	< 0.05 U	2500	2630 J-TDS	0.2 J	< 0.25 U
Shallow	AA-30	Yes	58	N	09/09/09	< 0.05 U	2400	2570	--	--
Shallow	AA-UW1	No	51	N	05/20/08	< 0.05 U	697	2120	< 0.18 U	0.68
Shallow	AA-UW1	No	58	N	08/24/09	< 0.05 U	630	2150 J-TDS	< 0.083 U	< 0.25 U
Shallow	AA-UW1	Yes	58	N	08/24/09	< 0.05 U	740	2160	--	--
Shallow	AA-UW2	No	51	N	05/16/08	< 0.05 U	108	1930	< 0.18 U	0.43 J
Shallow	AA-UW2	No	58	N	08/11/09	< 0.05 U	99	1970	< 0.083 U	< 0.25 U
Shallow	AA-UW2	Yes	58	N	08/11/09	< 0.05 U	99	1920	--	--
Shallow	AA-UW3	No	51	N	05/20/08	< 0.5 U	80.2	3070	< 0.18 U	0.27 J
Shallow	AA-UW3	No	58	N	08/25/09	< 0.05 U	65	3280 J-TDS	< 0.083 U	< 0.25 U
Shallow	AA-UW3	Yes	58	N	08/25/09	< 0.05 U	68	3130	--	--
Shallow	AA-UW4	No	51	N	05/21/08	< 0.5 U	90	2970 J-CAB	< 0.18 U	< 0.25 U
Shallow	AA-UW4	No	51	FD	05/21/08	< 0.5 U	87.6	3060 J-CAB	< 0.18 U	< 0.25 U

GENERAL CHEMISTRY AND PERCHLORATE RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Orthophosphate	Perchlorate	Sulfate	Sulfide	Total Kjeldahl Nitrogen
						mg/L	ug/L	mg/L	mg/L	mg/L
Units						mg/L	ug/L	mg/L	mg/L	mg/L
MCL						--	--	--	--	--
BCL						--	18	--	--	--
Shallow	AA-UW4	No	58	N	08/26/09	< 0.05 U	77	2920 J-TDS	< 0.083 U	< 0.25 U
Shallow	AA-UW4	No	58	FD	08/26/09	< 0.05 U	75	2930 J-TDS	< 0.083 U	< 0.25 U
Shallow	AA-UW4	Yes	58	N	08/26/09	< 0.05 U	81	2970	--	--
Shallow	AA-UW4	Yes	58	FD	08/26/09	< 0.05 U	76	2900	--	--
Shallow	AA-UW5	No	51	N	05/22/08	< 0.05 UJ	57.2	271 J-CAB	< 0.18 U	< 0.25 UJ
Shallow	AA-UW5	No	51	FD	05/22/08	< 0.05 UJ	57.5	261 J-CAB	< 0.18 U	< 0.25 UJ
Shallow	AA-UW5	No	58	N	09/15/09	< 0.05 U	51 J+	R-CAB&TDS	< 0.083 U	R
Shallow	AA-UW5	No	58	FD	09/15/09	< 0.05 U	56 J+	R-CAB&TDS	< 0.083 U	R
Shallow	AA-UW5	Yes	58	N	09/15/09	< 0.05 U	54 J+	225	--	--
Shallow	AA-UW5	Yes	58	FD	09/15/09	< 0.05 U	54 J+	234	--	--
Shallow	AA-UW6	No	51	N	05/22/08	< 0.05 UJ	65.1	2480 J-CAB	7.8	< 0.25 UJ
Shallow	AA-UW6	No	58	N	08/27/09	< 0.05 U	50	2240	< 0.083 U	1.8
Shallow	AA-UW6	Yes	58	N	08/27/09	< 0.05 U	52	2260	--	--
Shallow	BEC-6	No	37	N	04/28/06	37 J-	14400	1780	< 0.31 U	0.11
Shallow	BEC-6	No	38	N	08/01/06	36.5 J-	16300	2040	--	< 0.058 UJ
Shallow	BEC-6	No	42	N	10/19/06	35.5	16300	2110 J-	--	0.22 J-
Shallow	BEC-6	No	44	N	01/29/07	< 50 UJ	16700	2260 J-	--	< 0.25 U
Shallow	BEC-6	No	51	N	04/24/08	< 0.05 U	--	1890 J-CAB	< 0.18 U	< 0.25 U
Shallow	BEC-6	No	58	N	09/28/09	< 0.05 U	15000	R-CAB&TDS	< 0.083 U	< 0.12 U
Shallow	BEC-6	Yes	58	N	09/28/09	< 0.05 U	15000	2450	--	--
Shallow	BEC-9	No	37	N	05/02/06	< 1 UJ	518	2440	< 0.31 U	--
Shallow	BEC-9	No	38	N	08/02/06	2.1 J-	762	2330 J-	--	< 0.058 UJ
Shallow	BEC-9	No	42	N	10/19/06	< 1 U	846	2030 J-	--	0.48 J-
Shallow	BEC-9	No	44	N	01/29/07	< 1 UJ	742	2380 J-	--	< 0.25 U
Shallow	BEC-9	No	51	N	04/24/08	< 0.05 U	--	2080 J-CAB	< 0.18 U	< 0.25 U
Shallow	BEC-9	No	58	N	08/18/09	< 0.05 U	270	1920	< 0.083 U	< 0.25 U
Shallow	BEC-9	Yes	58	N	08/18/09	< 0.05 U	270	1940	--	--
Shallow	COH-2A	No	44	N	01/30/07	95.7 J-	8700	3570 J-	--	0.34
Shallow	COH-2A	No	51	N	05/08/08	< 0.5 UJ	8330	3030	< 0.18 U	< 0.25 U
Shallow	COH-2A	No	58	N	09/11/09	< 0.05 U	5400	1980 J-TDS	0.6 J	0.32 J
Shallow	COH-2A	Yes	58	N	09/11/09	< 0.05 U	4800	1940	--	--
Shallow	DBMW-1	No	51	N	05/20/08	< 0.5 U	8020	2810	< 0.18 U	0.51
Shallow	DBMW-1	No	58	N	08/31/09	< 1 U	6700	2930 J-TDS	< 0.083 U	< 0.25 U
Shallow	DBMW-1	Yes	58	N	08/31/09	< 1 U	7100	2960	--	--
Shallow	DBMW-10	No	51	N	05/27/08	< 0.05 UJ	552	916	< 0.18 U	< 0.25 U
Shallow	DBMW-10	No	58	N	09/29/09	< 0.05 U	500	985 J-TDS	< 0.083 UJ	< 0.12 U
Shallow	DBMW-10	Yes	58	N	09/29/09	< 0.05 U	520	987	--	--
Shallow	DBMW-11	No	51	N	06/02/08	< 0.5 UJ	490	3120	< 0.18 U	0.75 J+
Shallow	DBMW-11	No	58	N	10/01/09	< 1 U	14000 J-	3040 J-TDS	< 0.083 U	< 0.12 UJ
Shallow	DBMW-11	Yes	58	N	10/01/09	< 1 U	14000 J-	2800	--	--
Shallow	DBMW-12	No	51	N	05/27/08	< 0.1 UJ	18800	5040 J-CAB	< 0.18 U	< 0.25 UJ
Shallow	DBMW-12	No	58	N	09/24/09	< 1 U	12000	3350 J-TDS	< 0.083 U	0.12 J-
Shallow	DBMW-12	No	58	FD	09/24/09	< 1 U	12000	3240 J-TDS	< 0.083 U	R
Shallow	DBMW-12	Yes	58	N	09/24/09	< 1 U	11000	3300	--	--
Shallow	DBMW-12	Yes	58	FD	09/24/09	< 1 U	9800	3280	--	--
Shallow	DBMW-13	No	51	N	05/28/08	< 0.5 U	10600	2640	< 0.18 U	0.26 J-
Shallow	DBMW-13	No	58	N	09/29/09	< 0.05 U	9700 J-	2700 J-TDS	< 0.083 UJ	< 0.12 UJ
Shallow	DBMW-13	Yes	58	N	09/29/09	< 0.05 U	9800 J-	2750	--	--
Shallow	DBMW-14	No	51	N	05/29/08	< 0.05 U	14300	2390 J-CAB	< 0.18 U	< 0.25 U
Shallow	DBMW-14	No	58	N	09/29/09	< 0.05 U	14000 J-	2490 J-TDS	< 0.083 UJ	< 0.12 U
Shallow	DBMW-14	Yes	58	N	09/29/09	< 0.05 U	14000 J-	2450	--	--
Shallow	DBMW-15	No	51	N	05/28/08	< 0.05 U	1460	2600	< 0.18 U	< 0.25 U
Shallow	DBMW-15	No	58	N	09/30/09	< 1 U	1300	2550	< 0.083 UJ	< 0.12 U
Shallow	DBMW-15	Yes	58	N	09/30/09	< 1 U	1400	2530	--	--
Shallow	DBMW-16	No	51	N	05/29/08	< 0.05 U	13.6	445	< 0.18 U	< 0.25 U
Shallow	DBMW-16	No	58	N	10/02/09	< 0.05 U	15	565 J-CAB&TDS	< 0.083 U	< 0.12 U

GENERAL CHEMISTRY AND PERCHLORATE RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Orthophosphate	Perchlorate	Sulfate	Sulfide	Total Kjeldahl Nitrogen
					Units	mg/L	ug/L	mg/L	mg/L	mg/L
					MCL	--	--	--	--	--
					BCL	--	18	--	--	--
Shallow	DBMW-16	Yes	58	N	10/02/09	< 0.05 U	16	550	--	--
Shallow	DBMW-17	No	51	N	05/30/08	< 0.05 R	10.3	970	< 0.18 U	< 0.25 UJ
Shallow	DBMW-17	No	58	N	10/02/09	0.22 J	12	1130 J-TDS	< 0.083 U	0.27 J
Shallow	DBMW-17	Yes	58	N	10/02/09	0.21 J	< 0.02 U	1140	--	--
Shallow	DBMW-19	No	51	N	05/30/08	< 0.5 R	1530	2470 J-CAB	< 0.18 U	< 0.25 UJ
Shallow	DBMW-19	No	58	N	09/24/09	1.3 J	5800	2660 J-TDS	1.1	0.13 J-
Shallow	DBMW-19	Yes	58	N	09/24/09	1.9 J	6500	2680	--	--
Shallow	DBMW-2	No	51	N	06/02/08	< 0.5 U	5560	3160 J-CAB	< 0.18 U	0.75
Shallow	DBMW-2	No	58	N	09/04/09	< 0.05 U	7500	3240	< 0.083 U	< 0.25 U
Shallow	DBMW-2	Yes	58	N	09/04/09	< 0.05 U	6800	3170	--	--
Shallow	DBMW-20	No	51	N	05/13/08	< 0.05 U	2140	2010	< 0.18 U	< 0.25 U
Shallow	DBMW-20	No	58	N	09/30/09	< 1 U	3200	2120 J-TDS	< 0.083 UJ	< 0.12 U
Shallow	DBMW-20	Yes	58	N	09/30/09	< 1 U	2700	2070	--	--
Shallow	DBMW-22	No	51	N	05/30/08	< 0.5 R	243	2510	< 0.18 U	0.3 J-
Shallow	DBMW-22	No	58	N	09/28/09	< 0.05 U	130	2400 J-TDS	< 0.083 U	< 0.12 U
Shallow	DBMW-22	No	58	FD	09/28/09	< 0.05 U	130	2390 J-TDS	< 0.083 U	< 0.12 U
Shallow	DBMW-22	Yes	58	N	09/28/09	< 0.05 U	130	2360	--	--
Shallow	DBMW-22	Yes	58	FD	09/28/09	< 0.05 U	140	2360	--	--
Shallow	DBMW-3	No	51	N	06/02/08	< 0.5 U	6400	2920 J-CAB	< 0.18 U	0.86 J+
Shallow	DBMW-3	No	58	N	09/04/09	< 0.05 U	7600	3230 J-TDS	< 0.083 U	< 0.25 U
Shallow	DBMW-3	Yes	58	N	09/04/09	< 0.05 U	7600	3300	--	--
Shallow	DBMW-4	No	51	N	05/22/08	< 0.05 UJ	4230	2620 J-CAB	< 0.18 U	< 0.25 UJ
Shallow	DBMW-4	No	58	N	09/22/09	< 1 U	4100	2610 J-TDS	< 0.083 U	R
Shallow	DBMW-4	Yes	58	N	09/22/09	< 1 U	4300	2570	--	--
Shallow	DBMW-5	No	51	N	05/22/08	< 0.05 UJ	3330	2310 J-CAB	< 0.18 U	< 0.25 UJ
Shallow	DBMW-5	No	58	N	09/23/09	< 0.05 U	2800	2230 J-TDS	< 0.083 U	R
Shallow	DBMW-5	No	58	FD	09/23/09	< 0.05 U	2800	2310 J-TDS	< 0.083 U	R
Shallow	DBMW-5	Yes	58	N	09/23/09	< 0.05 U	2800	2190	--	--
Shallow	DBMW-5	Yes	58	FD	09/23/09	< 0.05 U	3000	2200	--	--
Shallow	DBMW-7	No	51	N	06/02/08	< 0.5 U	2740	2440 J-CAB	< 0.18 U	1.3 J+
Shallow	DBMW-7	No	58	N	09/25/09	< 0.05 U	3100	2410 J-TDS	< 0.083 U	0.14 J-
Shallow	DBMW-7	No	58	FD	09/25/09	< 0.05 U	3300	2420 J-TDS	1.4	0.15 J-
Shallow	DBMW-7	Yes	58	N	09/25/09	< 0.05 U	3200	2340	--	--
Shallow	DBMW-7	Yes	58	FD	09/25/09	< 0.05 U	3200	2370	--	--
Shallow	DBMW-8	No	51	N	06/03/08	< 0.5 U	3340	2330 J-CAB	< 0.18 U	0.51
Shallow	DBMW-8	No	58	N	09/23/09	< 0.05 U	3600	2190 J-TDS	< 0.083 U	0.15 J-TDS
Shallow	DBMW-8	Yes	58	N	09/23/09	< 0.05 U	2200	2120	--	--
Shallow	DBMW-9	No	51	N	05/23/08	< 0.05 UJ	3430	2250 J-CAB	< 0.18 U	0.6 J+
Shallow	DBMW-9	No	58	N	09/29/09	< 0.05 U	1300	2010 J-TDS	< 0.083 UJ	< 0.12 U
Shallow	DBMW-9	Yes	58	N	09/29/09	< 0.05 U	2700	2100	--	--
Shallow	DM-1	No	37	N	05/01/06	< 1 UJ	225	2680	< 0.31 U	--
Shallow	DM-1	No	38	N	07/31/06	< 1 UJ	141	3910 J-	--	< 0.058 UJ
Shallow	DM-1	No	42	N	10/18/06	< 50 U	152	2640	--	112
Shallow	DM-1	No	44	N	01/25/07	< 50 U	56.4	2470 J-	--	< 0.25 U
Shallow	DM-1	No	51	N	04/22/08	< 0.05 U	--	2460	< 0.18 U	1.1
Shallow	DM-1	No	58	N	10/01/09	< 1 U	270	2310 J-TDS	< 0.083 U	< 0.12 U
Shallow	DM-1	Yes	58	N	10/01/09	< 1 U	280	2290	--	--
Shallow	HMW-08	No	44	N	02/02/07	< 1 UJ	88.1	1940 J-	--	0.62
Shallow	HMW-08	No	51	N	05/06/08	< 0.05 UJ	149 J-	1270 J-CAB	< 0.18 U	< 0.25 R
Shallow	HMW-08	No	58	N	09/29/09	< 0.05 U	2200	R-CAB&TDS	< 0.083 UJ	< 0.12 U
Shallow	HMW-08	Yes	58	N	09/29/09	< 0.05 U	2100	2000	--	--
Shallow	HMW-09	No	44	N	02/09/07	< 0.1 UJ	866	1.5 J+	--	< 0.25 U
Shallow	HMW-09	No	51	N	05/06/08	< 0.05 UJ	1670 J-	1970	< 0.18 U	< 0.25 R
Shallow	HMW-09	No	58	N	09/28/09	< 0.05 U	4100	2720 J-TDS	< 0.083 U	< 0.12 U
Shallow	HMW-09	Yes	58	N	09/28/09	< 0.05 U	6200	2660	--	--
Shallow	HMWWT-6	No	44	N	02/21/07	< 10 U	78.8	641 J-	--	< 0.25 U

GENERAL CHEMISTRY AND PERCHLORATE RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Orthophosphate	Perchlorate	Sulfate	Sulfide	Total Kjeldahl Nitrogen
						mg/L	ug/L	mg/L	mg/L	mg/L
						Units				
						MCL	--	--	--	--
						BCL	--	18	--	--
Shallow	HMWWT-6	No	51	N	04/25/08	< 0.05 U	--	452	< 0.18 U	< 0.25 U
Shallow	HMWWT-6	No	58	N	09/04/09	< 0.05 U	69	435 J-TDS	< 0.083 U	< 0.25 U
Shallow	HMWWT-6	Yes	58	N	09/04/09	< 0.05 U	71	432	--	--
Shallow	MCF-01B	No	27	N	07/24/04	--	768	961	1.2	0.13
Shallow	MCF-01B	No	37	N	05/11/06	2.2 J	649 J-	1070	< 0.31 U	0.17
Shallow	MCF-01B	No	38	N	07/31/06	< 1 UJ	578	1090 J-	--	< 0.058 UJ
Shallow	MCF-01B	No	42	N	11/06/06	1.4 J-	633	951	--	0.16 J
Shallow	MCF-01B	No	44	N	02/14/07	--	628	998	--	< 0.25 U
Shallow	MCF-01B	No	51	N	04/23/08	< 0.05 UJ	672	997 J-CAB	< 0.18 U	< 0.25 U
Shallow	MCF-01B	No	58	N	08/07/09	< 0.05 U	700	889	< 0.083 U	< 0.25 U
Shallow	MCF-01B	Yes	58	N	08/07/09	< 0.05 U	700	950	--	--
Shallow	MCF-03B	No	27	N	07/24/04	--	72.4	742	8.4	< 0.1 U
Shallow	MCF-03B	No	37	N	05/12/06	< 1 U	67.7	1290	< 0.31 U	< 0.058 U
Shallow	MCF-03B	No	38	N	08/16/06	< 1 UJ	82	1320 J+	--	< 0.058 U
Shallow	MCF-03B	No	42	N	11/03/06	< 1 U	87	1320 J-	--	< 0.058 UJ
Shallow	MCF-03B	No	44	N	02/20/07	26.5 J	84.6	1370	--	< 0.25 U
Shallow	MCF-03B	No	51	N	04/29/08	< 0.05 U	93.3	1200	< 0.18 U	< 0.25 U
Shallow	MCF-03B	No	58	N	08/17/09	< 0.05 U	84 J	1220 J-TDS	< 0.083 U	< 0.25 U
Shallow	MCF-03B	Yes	58	N	08/17/09	< 0.05 U	83	1190	--	--
Shallow	MCF-06B	No	27	N	07/26/04	26.4 J-	3590	21	1.4	0.76
Shallow	MCF-06B	No	37	N	05/18/06	< 1 U	3530	13500	< 0.31 U	0.84
Shallow	MCF-06B	No	38	N	08/09/06	< 50 UJ	5240	18000	--	0.25 J+
Shallow	MCF-06B	No	42	N	10/31/06	50.4 J-	5480	17300	--	< 0.058 UJ
Shallow	MCF-06B	No	44	N	02/01/07	< 50 UJ	5680	17500	--	< 0.25 U
Shallow	MCF-06B	No	51	N	05/02/08	< 0.5 U	5580 J-	18300	6.7	< 0.25 UJ
Shallow	MCF-06B	No	58	N	08/28/09	< 5 U	4300	19600 J-TDS	< 0.083 U	< 0.25 U
Shallow	MCF-06B	Yes	58	N	08/28/09	< 5 U	4600 J+	19800	--	--
Shallow	MCF-06C	No	27	N	07/26/04	< 50 U	4320	3780	< 1 U	< 0.1 U
Shallow	MCF-06C	No	37	N	05/22/06	< 1 U	2570	2460	< 0.31 U	< 0.058 U
Shallow	MCF-06C	No	38	N	08/08/06	5.8	2980	2710	--	< 0.058 U
Shallow	MCF-06C	No	42	N	10/30/06	6	3070	2430	--	< 0.058 UJ
Shallow	MCF-06C	No	44	N	02/01/07	--	3440	2740	--	0.52 J
Shallow	MCF-06C	No	51	N	05/23/08	< 0.5 UJ	3620	2640 J-CAB	5	0.98 J+
Shallow	MCF-06C	No	58	N	09/09/09	< 0.05 U	4100	2500	0.4 J	< 0.25 U
Shallow	MCF-06C	Yes	58	N	09/09/09	< 0.05 U	4300	2530	--	--
Shallow	MCF-12B	No	27	N	07/21/04	293 J-	3640	1580	< 1 U	0.18
Shallow	MCF-12B	No	37	N	05/23/06	5.2	2260 J-	1570 J-	< 0.31 U	< 0.058 U
Shallow	MCF-12B	No	38	N	08/09/06	< 1 UJ	3080	1650	--	< 0.058 U
Shallow	MCF-12B	No	42	N	11/08/06	4.9	3160	1480	--	0.099 J-
Shallow	MCF-12B	No	44	N	02/15/07	< 10 U	3220	1800	--	< 0.25 U
Shallow	MCF-12B	No	51	N	05/08/08	< 0.05 UJ	4130	1570 J-CAB	< 0.18 U	< 0.25 U
Shallow	MCF-12B	No	58	N	08/19/09	< 0.05 U	4000	1560	< 0.083 U	< 0.25 U
Shallow	MCF-12B	Yes	58	N	08/19/09	< 0.05 U	18000	1550	--	--
Shallow	MCF-16C	No	27	N	07/23/04	1.5 J-	17300	2220	< 1 U	0.12
Shallow	MCF-16C	No	37	N	05/22/06	33	10000	4030	< 0.31 U	< 0.058 U
Shallow	MCF-16C	No	38	N	08/16/06	31.3 J-	11100	5220 J+	--	< 0.058 U
Shallow	MCF-16C	No	42	N	11/06/06	< 50 UJ	15900	3240	--	0.24 J
Shallow	MCF-16C	No	44	N	02/20/07	66.5	15300	5330	--	< 0.25 U
Shallow	MCF-16C	No	51	N	05/19/08	< 0.5 U	11100	5570 J-CAB	< 0.18 U	< 0.25 U
Shallow	MCF-16C	No	58	N	09/30/09	< 1 U	8700 J-	6290 J-CAB&TDS	< 0.083 U	< 0.12 U
Shallow	MCF-16C	Yes	58	N	09/30/09	< 1 U	11000 J-	3050	--	--
Shallow	MW-13	No	44	N	02/15/07	20.6 J	432	1280	--	< 0.25 U
Shallow	MW-13	No	51	N	05/12/08	< 0.5 UJ	2340 J+	2130	< 0.18 U	< 0.25 U
Shallow	MW-13	No	58	N	09/02/09	< 0.05 U	2100	2070 J-TDS	< 0.083 U	< 0.25 U
Shallow	MW-13	Yes	58	N	09/02/09	< 0.05 U	2200	2090	--	--
Shallow	MW-15	No	44	N	02/13/07	31.8 J	< 1.7 U	2890 J-	--	0.27

GENERAL CHEMISTRY AND PERCHLORATE RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Orthophosphate	Perchlorate	Sulfate	Sulfide	Total Kjeldahl Nitrogen
						mg/L	ug/L	mg/L	mg/L	mg/L
						Units				
						MCL	--	--	--	--
						BCL	--	18	--	--
Shallow	MW-15	No	51	N	05/21/08	< 0.5 U	< 4 U	2360	< 0.18 U	< 0.25 U
Shallow	MW-15	No	58	N	09/02/09	< 0.05 U	0.084 J	2450 J-TDS	< 0.083 U	< 0.25 U
Shallow	MW-15	Yes	58	N	09/02/09	< 0.05 U	0.28 J	2400	--	--
Shallow	MW-3	No	44	N	02/14/07	--	94.1	2080	--	< 0.25 U
Shallow	MW-3	No	51	N	05/09/08	< 0.5 U	30.3	2050 J-CAB	< 0.18 U	0.39 J
Shallow	MW-3	No	58	N	09/10/09	< 0.05 U	100	1990 J-TDS	0.6 J	< 0.25 U
Shallow	MW-3	Yes	58	N	09/10/09	< 0.05 U	7000	1960	--	--
Shallow	MW-4	No	44	N	02/15/07	38.5 J	9490	7230	--	< 0.25 U
Shallow	MW-4	No	51	N	05/14/08	< 0.5 UJ	9850	6110	< 0.18 U	< 0.25 UJ
Shallow	MW-4	No	58	N	09/16/09	< 0.5 U	9400 J+	6880 J-CAB&TDS	< 0.083 U	R
Shallow	MW-4	Yes	58	N	09/16/09	< 0.5 U	8700 J+	5790	--	--
Shallow	PC-108	No	37	N	05/09/06	< 0.1 UJ	< 1.6 U	715	< 0.31 U	2.2
Shallow	PC-108	No	38	N	08/07/06	< 1 UJ	< 1.7 U	579	--	1.9 J+
Shallow	PC-108	No	42	N	10/27/06	< 1 UJ	3.3 J	928	--	2.7 J-
Shallow	PC-108	No	44	N	02/09/07	< 1 UJ	< 0.68 U	656 J+	--	5.1
Shallow	PC-108	No	51	N	05/01/08	< 0.05 U	< 4 UJ	720 J-CAB	< 0.18 U	3.7 J-
Shallow	PC-108	No	58	N	09/16/09	< 0.05 U	0.64 J+	780 J-TDS	13.4	4.8 J-
Shallow	PC-108	Yes	58	N	09/16/09	< 0.05 U	< 0.02 U	781	--	--
Shallow	PC-2	No	37	N	05/03/06	12.8 J-	1140	2560	< 0.31 U	--
Shallow	PC-2	No	38	N	08/03/06	20.9 J-	2810	3960 J	--	< 0.058 UJ
Shallow	PC-2	No	42	N	10/24/06	< 1 U	2430	3090	--	0.39 J-
Shallow	PC-2	No	44	N	02/07/07	< 1 UJ	1820	2640 J+	--	< 0.33 U
Shallow	PC-2	No	51	N	04/25/08	< 0.05 U	--	2390 J-CAB	< 0.18 U	< 0.25 U
Shallow	PC-2	No	58	N	08/19/09	< 1 U	4800	2960	< 0.083 U	< 0.25 U
Shallow	PC-2	Yes	58	N	08/19/09	< 1 U	4500	2850	--	--
Shallow	PC-24	No	44	N	02/16/07	20.6 J	13500	2290	--	< 0.25 U
Shallow	PC-24	No	51	N	05/05/08	< 0.5 U	17600	2340 J-CAB	< 0.18 UJ	< 0.25 R
Shallow	PC-24	No	58	N	08/20/09	< 1 U	19000	2100	< 0.083 U	< 0.25 U
Shallow	PC-24	Yes	58	N	08/20/09	< 1 U	22000	2150	--	--
Shallow	PC-28	No	44	N	02/21/07	77.1	443000	3330 J-	--	0.52
Shallow	PC-28	No	51	N	05/05/08	< 0.05 U	523000	2270	< 0.18 U	< 0.25 R
Shallow	PC-28	No	58	N	08/20/09	< 1 U	500000	2870	< 0.083 U	< 0.25 U
Shallow	PC-28	Yes	58	N	08/20/09	< 1 U	530000	2850	--	--
Shallow	PC-4	No	37	N	05/03/06	136 J-	12500	3290	< 0.31 U	--
Shallow	PC-4	No	38	N	08/04/06	118 J-	7380	2880	--	< 0.058 UJ
Shallow	PC-4	No	42	N	10/23/06	< 50 UJ	7710	3470 J-	--	< 0.058 UJ
Shallow	PC-4	No	44	N	02/06/07	< 1 U	7500	3710 J-	--	< 0.25 U
Shallow	PC-4	No	51	N	04/28/08	< 0.05 UJ	--	3120	< 0.18 U	< 0.25 U
Shallow	PC-4	No	58	N	08/19/09	< 1 U	7500	3110	< 0.083 U	< 0.25 U
Shallow	PC-4	Yes	58	N	08/19/09	< 1 U	7300	3130	--	--
Shallow	PC-67	No	44	N	02/16/07	74.2	55000	3290	--	< 0.25 U
Shallow	PC-67	No	51	N	05/06/08	< 0.5 UJ	87500 J-	3370 J-CAB	< 0.18 U	< 0.25 R
Shallow	PC-67	No	58	N	09/09/09	< 0.5 U	53000	3120 J-TDS	0.7 J	< 0.25 U
Shallow	PC-67	Yes	58	N	09/09/09	< 0.5 U	59000	3070	--	--
Shallow	PC-76	No	44	N	02/28/07	--	< 1.7 U	--	--	--
Shallow	PC-76	No	51	N	05/14/08	< 0.05 U	18.8	1800	< 0.18 U	< 0.25 U
Shallow	PC-76	No	58	N	09/21/09	< 0.05 UJ	840	2010	< 0.083 U	0.13 J-
Shallow	PC-76	Yes	58	N	09/21/09	< 0.05 UJ	770	1970	--	--
Shallow	PC-79	No	37	N	05/04/06	< 1 UJ	704	1380	< 0.31 U	0.94 J-
Shallow	PC-79	No	38	N	08/04/06	< 1 UJ	< 68 U	1080	--	1 J-
Shallow	PC-79	No	42	N	10/25/06	1.3 J-	78.5	1120	--	1.1 J-
Shallow	PC-79	No	44	N	02/08/07	187	< 0.68 U	1180	--	1.4
Shallow	PC-79	No	51	N	04/28/08	0.14 J-	--	914	< 0.18 U	0.94
Shallow	PC-79	No	58	N	08/27/09	< 0.05 U	3000	1110 J-TDS	< 0.083 U	0.98
Shallow	PC-79	Yes	58	N	08/27/09	< 0.05 U	2900	1100	--	--
Shallow	PC-80	No	37	N	05/04/06	0.21 J	106	856	< 0.31 U	1.3 J-

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2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Orthophosphate	Perchlorate	Sulfate	Sulfide	Total Kjeldahl Nitrogen
						MCL	--	--	--	--
						BCL	--	18	--	--
Shallow	PC-80	No	38	N	08/08/06	< 1 U	351	746	--	1.4 J+
Shallow	PC-80	No	42	N	10/25/06	< 1 U	13.9	668	--	1.3 J-
Shallow	PC-80	No	44	N	02/05/07	208 J+	< 0.68 U	574	--	1.1
Shallow	PC-80	No	51	N	04/29/08	0.28 J	3.86 J	578	< 0.18 U	1.1
Shallow	PC-80	No	58	N	08/27/09	< 0.05 U	38	614 J-CAB&TDS	< 0.083 U	1.4
Shallow	PC-80	Yes	58	N	08/27/09	< 0.05 U	44 J+	612	--	--
Shallow	PC-81	No	37	N	05/05/06	< 1 UJ	390	1220	< 0.31 U	0.66 J-
Shallow	PC-81	No	38	N	08/08/06	3450	258	1010	--	0.91 J+
Shallow	PC-81	No	42	N	10/26/06	< 1 U	191	848	--	0.81 J-
Shallow	PC-81	No	44	N	02/08/07	< 1 UJ	83.2	1710	--	1.4
Shallow	PC-81	No	51	N	04/29/08	< 0.05 U	< 4 U	757	< 0.18 U	0.36 J
Shallow	PC-81	No	58	N	09/01/09	< 0.05 U	< 0.02 U	971 J-TDS	< 0.083 U	0.48 J
Shallow	PC-81	Yes	58	N	09/01/09	< 0.05 U	< 0.02 U	1000	--	--
Shallow	PC-88	No	51	N	04/30/08	0.18 J-	11800	1320 J-CAB	< 0.18 U	0.49 J-
Shallow	PC-88	No	58	N	09/01/09	< 0.05 U	7500	1320 J-TDS	< 0.083 U	0.44 J
Shallow	PC-88	Yes	58	N	09/01/09	< 0.05 U	6900	1390	--	--
Shallow	PC-90	No	38	N	08/24/06	51.6 J-	17800	2710 J+	--	0.12 J-
Shallow	PC-90	No	42	N	10/26/06	34.7	10400	2020	--	0.43 J-
Shallow	PC-90	No	44	N	02/05/07	< 1 U	6380	3020	--	0.64
Shallow	PC-90	No	51	N	05/01/08	< 0.05 U	9940 J-	1400 J-CAB	7.7	< 0.25 UJ
Shallow	PC-90	No	58	N	09/09/09	< 0.05 UJ	6300 J+	1160 J-TDS	< 0.083 U	0.38 J
Shallow	PC-90	Yes	58	N	09/09/09	< 0.05 UJ	6600 J+	1150	--	--
Shallow	PC-94	No	37	N	05/05/06	18.6 J-	3790	1960	< 0.31 U	--
Shallow	PC-94	No	38	N	08/07/06	15 J-	2030	2020	--	< 0.058 U
Shallow	PC-94	No	42	N	10/27/06	9.8 J-	1330	1720	--	0.18 J-
Shallow	PC-94	No	44	N	02/02/07	--	1710	2110 J-	--	0.39
Shallow	PC-94	No	51	N	04/30/08	< 0.05 UJ	1900	2130	< 0.18 U	0.27 J-
Shallow	PC-94	No	58	N	09/09/09	< 0.05 U	5700	2700 J-TDS	23.8	< 0.25 U
Shallow	PC-94	Yes	58	N	09/09/09	< 0.05 U	5300	2690	--	--
Shallow	POD2-R	No	37	N	05/08/06	79.7 J-	2850	2900	< 0.31 U	< 0.058 U
Shallow	POD2-R	No	38	N	08/03/06	80.5 J-	4630	6680 J	--	< 0.058 UJ
Shallow	POD2-R	No	42	N	10/20/06	67.4	5750	2670 J-	--	0.28 J-
Shallow	POD2-R	No	44	N	01/26/07	90.7 J-	6070	2960	--	< 0.25 U
Shallow	POD2-R	No	51	N	04/23/08	< 0.05 UJ	3690	2510 J-CAB	< 0.18 U	< 0.25 U
Shallow	POD2-R	No	58	N	09/14/09	< 0.05 U	7900 J+	2560 J-TDS	< 0.083 U	R
Shallow	POD2-R	Yes	58	N	09/14/09	< 0.05 U	7500	2600	--	--
Shallow	POD8	No	37	N	04/28/06	< 1 UJ	168	1210	< 0.31 U	0.14
Shallow	POD8	No	38	N	08/02/06	< 1 UJ	200	1480 J-	--	< 0.058 UJ
Shallow	POD8	No	42	N	10/20/06	< 1 U	245	1410 J-	--	0.2 J-
Shallow	POD8	No	44	N	01/26/07	< 50 U	226	1840	--	< 0.25 U
Shallow	POD8	No	51	N	04/23/08	< 0.05 U	226	1410 J-CAB	< 0.18 U	0.55
Shallow	POD8	No	58	N	09/03/09	< 0.05 U	310	1900 J-TDS	< 0.083 U	< 0.25 U
Shallow	POD8	Yes	58	N	09/03/09	< 0.05 U	310	1860	--	--
Shallow	POU3	No	37	N	04/27/06	162 J-	12100	2550	< 0.31 U	0.12
Shallow	POU3	No	38	N	07/31/06	< 1 UJ	26100	3090 J-	--	0.12 J-
Shallow	POU3	No	42	N	10/18/06	429	29600	2390	--	75.1
Shallow	POU3	No	44	N	01/25/07	722	31800	3700 J-	--	< 0.25 U
Shallow	POU3	No	51	N	04/22/08	< 0.05 U	--	2470	< 0.18 U	0.73
Shallow	POU3	No	58	N	09/22/09	< 1 U	27000	2460 J-CAB&TDS	< 0.083 U	0.14 J-CAB&TDS
Shallow	POU3	Yes	58	N	09/22/09	< 1 U	20000	2400	--	--
Shallow	WMW5.58SD	No	44	N	02/06/07	458	< 17 U	71900 J-	--	8.9
Shallow	WMW5.58SD	No	51	N	05/16/08	< 10 U	< 40 U	71500	9	6
Shallow	WMW5.58SD	No	58	N	09/09/09	< 5 U	83 J	67700 J-TDS	23 J	11.1
Shallow	WMW5.58SD	No	58	FD	09/09/09	< 5 U	67 J	67600 J-CAB	0.2 J	11
Shallow	WMW5.58SD	Yes	58	N	09/09/09	< 5 U	62 J	67800	--	--
Shallow	WMW5.58SD	Yes	58	FD	09/09/09	< 5 U	65 J	67200	--	--

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2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Orthophosphate	Perchlorate	Sulfate	Sulfide	Total Kjeldahl Nitrogen
						Units	mg/L	ug/L	mg/L	mg/L
						MCL	--	--	--	--
						BCL	--	18	--	--
Shallow	WMW5.58SI	No	44	N	02/01/07	< 1 UJ	890	962	--	0.38
Shallow	WMW5.58SI	No	51	N	05/15/08	< 0.05 U	684	911	< 0.18 U	< 0.25 UJ
Shallow	WMW5.58SI	No	58	N	09/03/09	< 0.05 U	370	R-CAB&TDS	< 0.083 U	< 0.25 U
Shallow	WMW5.58SI	Yes	58	N	09/03/09	< 0.05 U	390	615	--	--
Shallow	WMW5.58SS	No	44	N	01/31/07	< 1 UJ	32.2	761	--	0.5
Shallow	WMW5.58SS	No	51	N	05/15/08	< 0.05 U	26	540	< 0.18 U	< 0.25 UJ
Shallow	WMW5.58SS	No	58	N	09/03/09	< 0.05 U	12	503 J-TDS	< 0.083 U	< 0.25 U
Shallow	WMW5.58SS	Yes	58	N	09/03/09	< 0.05 U	18	476	--	--
Middle	COH-1	No	44	N	02/12/07	356	< 17 U	40300	--	3.4
Middle	COH-1	No	51	N	05/12/08	< 10 UJ	< 20 U	43000	3.8	3.9
Middle	COH-1	No	58	N	09/28/09	< 5 U	< 2 U	44600	< 0.083 U	6.6
Middle	COH-1	Yes	58	N	09/28/09	< 5 U	11 J	42400	--	--
Middle	COH-2	No	44	N	01/30/07	--	< 17 U	35600	--	2.6
Middle	COH-2	No	51	N	05/09/08	< 10 U	< 20 U	36100	69.6	4.1
Middle	COH-2	No	58	N	08/13/09	< 5 U	< 0.2 UJ	35400	2.4	5.3
Middle	COH-2	Yes	58	N	08/13/09	< 5 U	< 0.2 UJ	33900	--	--
Middle	MCF-02B	No	27	N	07/25/04	--	< 1 U	269	< 1 U	0.26 J
Middle	MCF-02B	No	37	N	05/05/06	< 1 UJ	< 1.6 U	346	< 0.31 U	--
Middle	MCF-02B	No	38	N	08/21/06	< 0.1 U	< 0.34 U	428 J	--	< 0.058 U
Middle	MCF-02B	No	42	N	11/03/06	< 1 U	< 0.34 U	402 J-	--	< 0.058 UJ
Middle	MCF-02B	No	44	N	02/20/07	37.4 J	< 0.34 U	310	--	< 0.25 U
Middle	MCF-02B	No	51	N	04/24/08	< 0.05 U	--	254 J-CAB	< 0.18 U	< 0.25 U
Middle	MCF-02B	No	58	N	08/21/09	< 0.05 U	0.13 J	263 J-TDS	< 0.083 U	< 0.25 U
Middle	MCF-02B	Yes	58	N	08/21/09	< 0.05 U	0.22 J	264	--	--
Middle	MCF-05	No	27	N	07/25/04	9780 J	239	23100 J	< 1 U	8 J
Middle	MCF-05	No	37	N	05/17/06	< 20 UJ	< 1.6 U	76500	< 0.31 U	11.7
Middle	MCF-05	No	38	N	08/10/06	< 50 UJ	< 68 U	76800	--	9 J+
Middle	MCF-05	No	42	N	11/14/06	< 50 U	< 68 U	76800 J-	--	6.2 J-
Middle	MCF-05	No	44	N	01/31/07	< 50 UJ	< 17 U	75600	--	5.6
Middle	MCF-05	No	51	N	04/30/08	< 10 UJ	< 20 U	79900	< 0.18 U	6.2 J-
Middle	MCF-05	No	58	N	08/28/09	< 5 UJ	< 0.4 UJ	80900 J-TDS	< 0.083 U	9.4
Middle	MCF-05	Yes	58	N	08/28/09	< 5 U	< 0.4 UJ	76200	--	--
Middle	MCF-08B-R	No	58	N	08/21/09	< 0.5 U	0.13 J	11400 J-TDS	< 0.083 U	1.2 J
Middle	MCF-08B-R	No	58	FD	08/21/09	< 0.5 U	0.24 J	10900	< 0.083 U	2.1 J
Middle	MCF-08B-R	Yes	58	N	08/21/09	< 0.5 U	0.17 J	10500	--	--
Middle	MCF-08B-R	Yes	58	FD	08/21/09	< 0.5 U	1.4 J	10500	--	--
Middle	MCF-09B	No	27	N	07/20/04	< 250 U	< 2 UJ-	2100	< 1 U	0.38
Middle	MCF-09B	No	37	N	05/03/06	--	70.3	2260	< 0.31 U	0.23 J-
Middle	MCF-09B	No	38	N	08/04/06	< 1 UJ	< 0.68 U	2130	--	0.2 J-
Middle	MCF-09B	No	42	N	10/25/06	< 1 UJ	< 0.68 U	2250	--	0.31 J-
Middle	MCF-09B	No	44	N	02/12/07	36 J	< 0.68 U	2180	--	< 0.25 U
Middle	MCF-09B	No	51	N	04/25/08	< 0.05 U	--	2210 J-CAB	< 0.18 U	< 0.25 U
Middle	MCF-09B	No	58	N	08/17/09	< 0.05 U	< 0.1 U	2150 J-TDS	< 0.083 U	< 0.25 U
Middle	MCF-09B	No	58	FD	08/17/09	< 0.05 U	< 0.1 U	2120 J-TDS	< 0.083 U	< 0.25 U
Middle	MCF-09B	Yes	58	N	08/17/09	< 0.05 U	< 0.1 U	2120	--	--
Middle	MCF-09B	Yes	58	FD	08/17/09	< 0.05 U	< 0.1 U	2100	--	--
Middle	MCF-10B	No	27	N	07/21/04	356 J-	167	862	< 1 U	0.86 J
Middle	MCF-10B	No	37	N	05/18/06	< 1 U	< 1.6 U	1330	< 0.31 U	0.37
Middle	MCF-10B	No	38	N	08/15/06	< 1 U	1.1 J	1390 J-	--	0.14 J+
Middle	MCF-10B	No	42	N	11/10/06	1.3 J-	< 0.34 U	1310	--	--
Middle	MCF-10B	No	44	N	02/27/07	< 10 U	< 0.34 U	1710 J	--	4.7
Middle	MCF-10B	No	51	N	05/08/08	< 0.05 UJ	< 4 U	1170	< 0.18 U	< 0.25 U
Middle	MCF-10B	No	58	N	08/18/09	< 0.05 U	0.32 J	1140	< 0.083 U	< 0.25 U
Middle	MCF-10B	Yes	58	N	08/18/09	< 0.05 U	0.35 J	1120	--	--
Middle	MCF-11	No	27	N	07/27/04	--	510	1370	< 1 U	0.15
Middle	MCF-11	No	37	N	05/16/06	< 1 U	43.2	2050 J-	< 0.31 U	0.48

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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Orthophosphate	Perchlorate	Sulfate	Sulfide	Total Kjeldahl Nitrogen
						mg/L	ug/L	mg/L	mg/L	mg/L
						Units				
						MCL	--	--	--	--
						BCL	--	18	--	--
Middle	MCF-11	No	38	N	08/18/06	--	116	3640	--	0.24
Middle	MCF-11	No	42	N	10/27/06	--	< 0.68 U	2000	--	0.62 J-
Middle	MCF-11	No	44	N	02/23/07	31.5 J	11.9	1760 J-	--	< 0.25 U
Middle	MCF-11	No	51	N	05/07/08	< 0.05 U	< 4 U	2100 J-CAB	< 0.18 U	0.58
Middle	MCF-11	No	58	N	08/17/09	< 0.05 U	< 0.1 U	1960 J-TDS	< 0.083 U	< 0.25 U
Middle	MCF-11	Yes	58	N	08/17/09	< 0.05 U	0.22 J	1920	--	--
Middle	MCF-12C	No	27	N	07/21/04	111 J-	62.2	1330	< 1 U	0.17
Middle	MCF-12C	No	37	N	05/22/06	< 1 U	711	1190	< 0.31 U	0.42
Middle	MCF-12C	No	38	N	08/10/06	< 0.1 UJ	343	1260	--	< 0.058 U
Middle	MCF-12C	No	42	N	11/03/06	< 1 U	325	1230 J-	--	< 0.058 UJ
Middle	MCF-12C	No	44	N	02/22/07	55.6	338	1110 J-	--	< 0.25 U
Middle	MCF-12C	No	51	N	05/09/08	< 0.05 U	439	1260 J-CAB	< 0.18 U	< 0.25 U
Middle	MCF-12C	No	58	N	08/19/09	< 0.05 U	430	1230 J-TDS	< 0.083 U	< 0.25 U
Middle	MCF-12C	Yes	58	N	08/19/09	< 0.05 U	470	1210	--	--
Middle	MCF-16B	No	27	N	07/23/04	1.3 J-	10800	2990	< 1 U	6.1
Middle	MCF-16B	No	37	N	05/19/06	< 50 U	< 8 U	47600 J	< 0.31 U	3.5
Middle	MCF-16B	No	38	N	08/23/06	--	< 6.8 U	42500	--	2.6
Middle	MCF-16B	No	42	N	11/06/06	< 50 UJ	< 34 U	35400	--	2.5 J
Middle	MCF-16B	No	44	N	02/20/07	317	< 17 U	50400	--	< 0.25 U
Middle	MCF-16B	No	51	N	05/19/08	< 10 U	< 80 U	45900	< 0.18 U	3.3
Middle	MCF-16B	No	58	N	09/30/09	< 5 U	< 2 U	42800 J-CAB&TDS	< 0.083 UJ	4
Middle	MCF-16B	Yes	58	N	09/30/09	< 5 U	< 2 U	42400	--	--
Middle	MCF-24B	No	58	N	10/05/09	< 0.5 U	4.5 J+	17400 J-TDS	< 0.083 U	2.4 J-
Middle	MCF-24B	Yes	58	N	10/05/09	< 0.5 U	11 J+	13900	--	--
Middle	MCF-28B	No	58	N	10/01/09	< 1 U	< 2 UJ	22900 J-TDS	< 0.083 U	3.8
Middle	MCF-28B	Yes	58	N	10/01/09	< 1 U	< 1 U	22600	--	--
Middle	MCF-29B	No	58	N	10/09/09	< 5 UJ	< 0.4 UJ	53200	< 0.083 U	9.4
Middle	MCF-29B	Yes	58	N	10/09/09	< 5 U	< 0.4 UJ	53400	--	--
Middle	MCF-30B	No	58	N	10/05/09	< 5 U	< 2 U	66700 J-CAB&TDS	< 0.083 U	14.1 J-
Middle	MCF-30B	Yes	58	N	10/05/09	< 5 U	< 2 U	69000	--	--
Middle	MCF-31B	No	58	N	10/09/09	< 5 UJ	< 0.4 UJ	31100	< 0.083 U	10.2
Middle	MCF-31B	Yes	58	N	10/09/09	< 5 U	< 0.4 UJ	31600	--	--
Middle	MCF-32B	No	58	N	10/02/09	< 0.05 U	19	3190 J-CAB&TDS	< 0.083 U	0.75 J+
Middle	MCF-32B	Yes	58	N	10/02/09	< 0.05 U	< 0.02 U	3360	--	--
Deep	MCF-01A	No	27	N	07/25/04	--	29.9	912	3.8	0.76 J
Deep	MCF-01A	No	37	N	05/30/06	< 1 UJ	< 1.6 U	2870 J-	< 0.31 U	0.46
Deep	MCF-01A	No	38	N	08/07/06	< 1 UJ	< 0.68 U	2470	--	< 0.058 UJ
Deep	MCF-01A	No	42	N	10/24/06	< 1 UJ	< 0.68 U	2780	--	0.59 J-
Deep	MCF-01A	No	44	N	02/02/07	< 1 UJ	< 0.68 U	3080 J-	--	0.33
Deep	MCF-01A	No	51	N	04/28/08	< 0.05 UJ	--	2650	< 0.18 U	0.25 J
Deep	MCF-01A	No	58	N	08/10/09	< 1 U	0.17 J	2530	< 0.083 U	< 0.25 U
Deep	MCF-01A	Yes	58	N	08/10/09	< 1 U	< 0.02 UJ	2550	--	--
Deep	MCF-02A	No	27	N	07/15/04	< 0.5 U	6.1	209	< 1 U	< 0.1 U
Deep	MCF-02A	No	37	N	05/10/06	< 1 U	< 1.6 U	< 25 U	< 0.31 UJ	0.2
Deep	MCF-02A	No	38	N	08/04/06	< 1 UJ	< 0.34 U	192	--	< 0.058 UJ
Deep	MCF-02A	No	42	N	11/07/06	< 0.1 UJ	< 0.34 U	187	--	0.28 J
Deep	MCF-02A	No	44	N	02/15/07	10.4 J	< 0.34 U	169 J	--	< 0.25 U
Deep	MCF-02A	No	51	N	05/02/08	< 0.05 U	< 4 UJ	193	< 0.18 U	< 0.25 UJ
Deep	MCF-02A	No	58	N	08/21/09	< 0.05 U	0.51 J	183 J-TDS	< 0.083 U	< 0.25 U
Deep	MCF-02A	Yes	58	N	08/21/09	< 0.05 U	0.22 J	181	--	--
Deep	MCF-03A	No	27	N	02/25/04	--	< 4 U	--	--	--
Deep	MCF-03A	No	27	N	07/13/04	< 0.5 U	--	280	< 1 U	0.1 J
Deep	MCF-03A	No	37	N	06/07/06	--	< 1.6 U	< 25 U	< 0.31 U	0.67
Deep	MCF-03A	No	38	N	08/14/06	< 1 UJ	< 1.7 U	198 J	--	< 0.058 U
Deep	MCF-03A	No	42	N	11/02/06	< 1 U	< 0.34 U	308 J-	--	0.96 J
Deep	MCF-03A	No	44	N	02/27/07	< 10 U	< 0.34 U	316 J	--	0.68

GENERAL CHEMISTRY AND PERCHLORATE RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Orthophosphate	Perchlorate	Sulfate	Sulfide	Total Kjeldahl Nitrogen
						mg/L	ug/L	mg/L	mg/L	mg/L
						Units				
						MCL	--	--	--	--
						BCL	--	18	--	--
Deep	MCF-03A	No	51	N	04/24/08	< 0.05 U	--	230 J-CAB	< 0.18 U	< 0.25 U
Deep	MCF-03A	No	58	N	08/13/09	< 0.05 U	1.1	225 J-CAB&TDS	< 0.083 U	< 0.25 U
Deep	MCF-03A	Yes	58	N	08/13/09	< 0.05 U	1	223	--	--
Deep	MCF-04	No	27	N	02/26/04	--	< 4 U	--	--	--
Deep	MCF-04	No	27	N	07/13/04	< 0.5 UJ	--	3280 J	< 1 U	0.81 J
Deep	MCF-04	No	37	N	05/10/06	< 1 U	< 1.6 U	3340	< 0.31 UJ	0.65
Deep	MCF-04	No	38	N	08/15/06	< 1 U	< 1.7 U	6710 J-	--	0.49 J+
Deep	MCF-04	No	42	N	11/08/06	4.5 J	< 1.7 U	3080	--	0.5 J-
Deep	MCF-04	No	44	N	02/20/07	12 J	< 1.7 U	3300	--	< 0.25 U
Deep	MCF-04	No	51	N	04/30/08	< 0.05 UJ	< 4 U	3100	< 0.18 U	0.4 J-
Deep	MCF-04	No	58	N	08/28/09	< 0.05 U	< 0.2 U	2830 J	< 0.083 U	0.45 J
Deep	MCF-04	Yes	58	N	08/28/09	< 0.05 U	< 0.2 U	3180	--	--
Deep	MCF-06A-R	No	58	N	09/21/09	< 5 UJ	< 1 UJ	70700 J-TDS	< 0.083 U	18.4 J-
Deep	MCF-06A-R	Yes	58	N	09/21/09	< 5 UJ	3.8 J	70100	--	--
Deep	MCF-07	No	27	N	07/24/04	57300 J	< 20 U	2490 J	< 1 U	0.71 J
Deep	MCF-07	No	38	N	08/30/06	--	< 34 U	92800 J-	--	18.9 J
Deep	MCF-07	No	42	N	11/10/06	--	< 68 U	19100 J	--	8.6 J-
Deep	MCF-07	No	44	N	02/23/07	778	< 34 U	103000	--	15.8
Deep	MCF-07	No	51	N	05/02/08	< 5 U	< 20 UJ	84700 J-CAB	< 0.18 U	13.7 J-
Deep	MCF-07	No	58	N	09/11/09	R	R	R	R	R
Deep	MCF-07	Yes	58	N	09/11/09	R	R	R	--	--
Deep	MCF-08A	No	27	N	07/18/04	--	< 20 UJ-	8640	< 1 U	5
Deep	MCF-08A	No	37	N	06/07/06	--	< 1.6 U	24100	< 0.31 U	4.8
Deep	MCF-08A	No	38	N	08/23/06	--	< 17 U	23300	--	4.7
Deep	MCF-08A	No	42	N	11/10/06	--	< 34 U	13700 J	--	1.2 J-
Deep	MCF-08A	No	44	N	02/08/07	< 50 UJ	< 17 U	20200	--	3.3
Deep	MCF-08A	No	51	N	05/06/08	< 10 UJ	< 20 UJ	25700 J-CAB	< 0.18 U	1.2 J-
Deep	MCF-08A	No	58	N	08/31/09	< 5 U	< 0.2 UJ	26200 J-CAB&TDS	< 0.083 U	4.1
Deep	MCF-08A	Yes	58	N	08/31/09	< 5 U	< 0.2 UJ	26600	--	--
Deep	MCF-09A	No	27	N	07/19/04	--	< 50 UJ-	12600	< 1 U	2.1
Deep	MCF-09A	No	37	N	05/16/06	< 50 U	< 1.6 U	13500	< 0.31 U	1.8
Deep	MCF-09A	No	38	N	08/10/06	< 50 UJ	< 6.8 U	14600	--	1.7 J+
Deep	MCF-09A	No	42	N	10/24/06	< 50 U	< 6.8 U	13200	--	1.7 J-
Deep	MCF-09A	No	44	N	02/12/07	60.4	< 3.4 U	13000	--	0.82
Deep	MCF-09A	No	51	N	04/28/08	< 0.5 UJ	--	13300	< 0.18 U	1.1
Deep	MCF-09A	No	58	N	08/17/09	< 0.5 U	< 0.1 UJ	15900 J-CAB&TDS	< 0.083 U	0.63
Deep	MCF-09A	Yes	58	N	08/17/09	< 0.5 U	< 0.1 UJ	19700	--	--
Deep	MCF-10A	No	27	N	07/21/04	942 J-	< 2 U	< 0.5 U	< 1 U	0.86
Deep	MCF-10A	No	37	N	05/31/06	< 1 UJ	< 1.6 U	4710 J-	< 0.31 U	0.3
Deep	MCF-10A	No	38	N	08/21/06	< 1 U	< 0.68 U	3520 J	--	0.23
Deep	MCF-10A	No	42	N	11/14/06	< 50 U	< 3.4 U	3740	--	0.63 J-
Deep	MCF-10A	No	44	N	02/16/07	< 10 U	< 1.7 U	3730	--	0.47 J
Deep	MCF-10A	No	51	N	05/23/08	< 0.5 UJ	2.38 J	3930 J-CAB	4.2	0.7 J+
Deep	MCF-10A	No	58	N	08/31/09	< 1 U	0.031 J	R-CAB&TDS	< 0.083 U	0.29 J
Deep	MCF-10A	Yes	58	N	08/31/09	< 1 U	< 0.02 U	3900	--	--
Deep	MCF-12A	No	27	N	07/22/04	11600	< 5 UJ-	3240	< 1 U	2.3
Deep	MCF-12A	No	37	N	05/18/06	< 1 U	< 1.6 U	3520	< 0.31 U	1.6
Deep	MCF-12A	No	38	N	08/10/06	< 1 UJ	< 1.7 U	3540	--	1.7 J+
Deep	MCF-12A	No	42	N	11/10/06	--	< 1.7 U	3400 J	--	1.9 J-
Deep	MCF-12A	No	44	N	02/23/07	11.6 J	< 1.7 U	3240 J-	--	2
Deep	MCF-12A	No	51	N	05/08/08	< 0.5 UJ	< 4 U	3410 J-CAB	< 0.18 U	1.2
Deep	MCF-12A	No	58	N	08/27/09	< 0.05 U	0.049 J	3440	5.2	1.8
Deep	MCF-12A	Yes	58	N	08/27/09	< 0.05 U	< 0.02 U	3260	--	--
Deep	MCF-16A	No	27	N	07/23/04	--	< 20 U	39600	< 1 U	3.7
Deep	MCF-16A	No	37	N	05/18/06	< 50 U	< 1.6 U	53900	< 0.31 U	3.7
Deep	MCF-16A	No	38	N	08/21/06	< 50 U	< 17 U	58400	--	4.6

GENERAL CHEMISTRY AND PERCHLORATE RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Orthophosphate	Perchlorate	Sulfate	Sulfide	Total Kjeldahl Nitrogen
						mg/L	ug/L	mg/L	mg/L	mg/L
					Units					
					MCL	--	--	--	--	--
					BCL	--	18	--	--	--
Deep	MCF-16A	No	42	N	11/06/06	70.8 J-	< 34 U	30800	--	1.7 J
Deep	MCF-16A	No	44	N	02/16/07	388	< 17 U	56500	--	1.9
Deep	MCF-16A	No	51	N	05/19/08	< 10 U	< 40 U	55700 J-CAB	< 0.18 U	4.7
Deep	MCF-16A	No	58	N	10/05/09	< 5 U	< 2 UJ	53300 J-CAB&TDS	< 0.083 U	3.8
Deep	MCF-16A	Yes	58	N	10/05/09	< 5 U	< 2 U	54200	--	--
Deep	MCF-17A	No	51	N	07/21/08	< 5 U	--	15600	< 0.18 U	2.6
Deep	MCF-17A	No	58	N	09/29/09	< 5 U	< 1 UJ	14500	< 0.083 UJ	3.1
Deep	MCF-17A	No	58	FD	09/29/09	< 5 U	< 1 U	14400	< 0.083 UJ	2.9
Deep	MCF-17A	Yes	58	N	09/29/09	< 5 U	< 1 U	14400	--	--
Deep	MCF-17A	Yes	58	FD	09/29/09	< 5 U	< 1 U	14400	--	--
Deep	MCF-18A	No	51	N	07/18/08	< 5 U	< 200 U	3720 J-CAB	< 0.18 U	7.9
Deep	MCF-18A	No	58	N	09/21/09	< 5 UJ	6.1 J	3590 J-TDS	< 0.083 U	12 J-
Deep	MCF-18A	No	58	FD	09/21/09	< 5 UJ	9.2 J	3500 J-TDS	< 0.083 U	12 J-
Deep	MCF-18A	Yes	58	N	09/21/09	< 5 UJ	7.5 J	3630	--	--
Deep	MCF-18A	Yes	58	FD	09/21/09	< 5 UJ	7.1 J	3680	--	--
Deep	MCF-19A	No	51	N	07/21/08	< 5 U	--	62900	< 0.18 U	9.5
Deep	MCF-19A	No	58	N	09/03/09	< 5 U	< 2 U	56400 J-CAB&TDS	< 0.083 U	6.6
Deep	MCF-19A	No	58	FD	09/03/09	< 5 U	< 2 UJ	58200 J-TDS	< 0.083 U	6.1
Deep	MCF-19A	Yes	58	N	09/03/09	< 5 U	< 2 UJ	57300	--	--
Deep	MCF-19A	Yes	58	FD	09/03/09	< 5 U	< 2 UJ	58000	--	--
Deep	MCF-20A	No	51	N	07/18/08	< 5 U	< 200 U	74400 J-CAB	< 0.18 U	16.5
Deep	MCF-20A	No	58	N	09/03/09	< 5 U	< 2 UJ	R-CAB&TDS	< 0.083 U	15
Deep	MCF-20A	Yes	58	N	09/03/09	< 5 U	< 2 UJ	69200	--	--
Deep	MCF-21A	No	51	N	07/23/08	< 5 U	< 80 U	77400	< 0.18 U	17.9
Deep	MCF-21A	No	58	N	08/25/09	< 5 U	< 0.2 UJ	68600 J-TDS	< 0.083 U	16.7
Deep	MCF-21A	Yes	58	N	08/25/09	< 5 U	< 0.2 UJ	68800	--	--
Deep	MCF-22A	No	51	N	07/23/08	< 0.5 UJ	< 8 U	2140	< 0.18 U	< 0.25 U
Deep	MCF-22A	No	58	N	10/09/09	< 0.05 UJ	< 0.02 UJ	2450	4.8	0.51
Deep	MCF-22A	Yes	58	N	10/09/09	< 0.05 UJ	< 0.02 UJ	2300	--	--
Deep	MCF-23A	No	51	N	07/21/08	< 5 U	--	41100	< 0.18 U	10.2
Deep	MCF-23A	No	58	N	10/05/09	< 5 U	< 0.2 U	37700 J-CAB&TDS	< 0.083 U	5.6 J-
Deep	MCF-23A	Yes	58	N	10/05/09	< 5 U	< 2 UJ	38200	--	--
Deep	MCF-24A	No	51	N	07/28/08	< 5 U	< 40 U	73500 J-CAB	< 0.18 U	10.6
Deep	MCF-24A	No	58	N	08/28/09	< 5 U	< 0.4 UJ	75100 J-TDS	< 0.083 U	8
Deep	MCF-24A	Yes	58	N	08/28/09	< 5 U	< 0.4 UJ	89900	--	--
Deep	MCF-25A	No	51	N	07/28/08	< 0.5 U	< 8 U	3670	6.1	1
Deep	MCF-25A	No	58	N	08/28/09	< 0.05 U	< 0.2 U	3660 J-TDS	5.2	0.6
Deep	MCF-25A	Yes	58	N	08/28/09	< 0.05 U	0.025 J	3540	--	--
Deep	MCF-27	No	27	N	07/26/04	--	12.2	434	< 1 U	0.14
Deep	MCF-27	No	37	N	05/19/06	< 1 U	< 1.6 U	846	< 0.31 U	< 0.058 U
Deep	MCF-27	No	38	N	08/02/06	< 0.1 UJ	< 0.34 U	891 J-	--	< 0.058 UJ
Deep	MCF-27	No	42	N	10/20/06	< 1 U	17.3	683 J-	--	--
Deep	MCF-27	No	44	N	02/20/07	22.9 J	< 0.34 U	646	--	< 0.25 U
Deep	MCF-27	No	51	N	05/19/08	< 0.05 U	< 4 U	492	< 0.18 U	< 0.25 U
Deep	MCF-27	No	58	N	09/14/09	< 0.05 U	0.79 J+	R-CAB&TDS	0.4 J	R
Deep	MCF-27	Yes	58	N	09/14/09	< 0.05 U	0.76 J+	484	--	--
Deep	MCF-28A	No	58	N	09/29/09	< 5 U	17	6880 J-CAB	< 0.083 UJ	10.4
Deep	MCF-28A	Yes	58	N	09/29/09	< 5 U	< 2 U	6930	--	--
Deep	MCF-29A	No	58	N	09/29/09	< 5 U	< 1 U	39200	< 0.083 UJ	9.7
Deep	MCF-29A	Yes	58	N	09/29/09	< 5 U	< 2 UJ	39400	--	--
Deep	MCF-30A	No	58	N	10/05/09	< 5 U	< 0.2 U	27400 J-CAB&TDS	< 0.083 U	18.6 J-
Deep	MCF-30A	Yes	58	N	10/05/09	< 5 U	< 0.2 UJ	27200	--	--
Deep	MCF-31A	No	58	N	09/29/09	< 5 U	5.7 J	55200 J-TDS	< 0.083 UJ	19.3
Deep	MCF-31A	Yes	58	N	09/29/09	< 5 U	3.8 J	55800	--	--

-- = no sample data.

Appendix C5

Water Quality and Total Dissolved Solids

GENERAL WATER QUALITY RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Bicarbonate alkalinity	Carbonate alkalinity	Conductivity	Hardness	Hydroxide alkalinity	pH	Total Alkalinity	Total Dissolved Solids	Total Inorganic Carbon	Total Organic Carbon	Total Suspended Solids
					Units	mg/L	mg/L	umhos/cm	mg/L	mg/L	none	mg/L	mg/L	mg/L	mg/L	mg/L
					MCL	--	--	--	--	--	--	--	500	--	--	--
					BCL	--	--	--	--	--	--	--	--	--	--	--
Shallow	AA-01	No	27	N	07/15/04	88	< 5 U	3780	1650	< 5 U	7.8	--	3320 J-	< 1 U	< 1 U	18 J-
Shallow	AA-01	No	37	N	04/26/06	98	< 2.5 U	3210 J-	1780	< 2.5 U	7.1	98	3430	11.2 J	3.3	21
Shallow	AA-01	No	38	N	08/01/06	110	< 2.5 U	3530	2020	< 2.5 U	7.4 J	110	3930	< 0.22 U	952	33
Shallow	AA-01	No	42	N	10/18/06	90	< 2.5 U	3480	1890	< 2.5 U	7.2 J-	90	3310	--	< 0.47 U	20
Shallow	AA-01	No	44	N	01/25/07	103	< 2.5 U	2250 J-	1810	< 2.5 U	7.3 J-	103	3730	< 11 U	1.8	1
Shallow	AA-01	No	51	N	04/22/08	101	< 0.1 U	4460	1840	< 0.1 U	7.1 J	101	3850	25.3 J	< 10 U	8
Shallow	AA-01	No	58	N	08/07/09	93	< 0.31 U	4560	1760	< 0.31 U	6.9 J	93	3800	21.8	1.3	2 J
Shallow	AA-01	Yes	58	N	08/07/09	87	< 0.31 U	--	--	< 0.31 U	--	87	--	--	--	--
Shallow	AA-07	No	27	N	07/24/04	86	< 5 U	2770	1040	< 5 U	7.9 J	--	2270 J-	10.1	0.83 J	16 J
Shallow	AA-07	No	37	N	06/06/06	106	< 2.5 U	2230 J-	1200	< 2.5 U	7.3 J-	88	2030	16.6 J-	< 0.47 U	16 J
Shallow	AA-07	No	38	N	08/16/06	80	< 2.5 U	2280 J+	5080	< 2.5 U	7.5 J	80	1990	< 0.22 U	3370	3 J
Shallow	AA-07	No	42	N	11/03/06	85	< 2.5 U	2370	1370	< 2.5 U	7.4 J-	85	2120	< 0.22 U	< 24 U	9 J
Shallow	AA-07	No	44	N	02/26/07	86	< 2.5 U	2900	1210	< 2.5 U	7.4 J-	86	2170	< 11 UJ	< 0.16 U	11
Shallow	AA-07	No	51	N	04/21/08	95	< 0.1 U	2820	1060	< 0.1 U	7.4 J	95	2250	24.8 J	< 10 U	7
Shallow	AA-07	No	58	N	08/10/09	84	< 0.31 U	2800	1030	< 0.31 U	7	84 J-TDS	2500 J-TDS	18.5	0.84 J	< 4 U
Shallow	AA-07	Yes	58	N	08/10/09	80	< 0.31 U	--	--	< 0.31 U	--	80	--	--	--	--
Shallow	AA-08	No	27	N	07/19/04	94	< 5 U	5480	2360	< 5 U	7.7	--	4590 J-	17.5	1.6	16 J-
Shallow	AA-08	No	37	N	05/25/06	152	< 2.5 U	4580 J-	2200	< 2.5 U	7.2 J-	152	5070	32.6 J-	60.7	26
Shallow	AA-08	No	38	N	08/14/06	182	< 2.5 U	4640	2020	< 2.5 U	7.2 J	182	4390	< 0.22 U	4100	5
Shallow	AA-08	No	42	N	11/01/06	147	< 2.5 U	4840	2110	< 2.5 U	7.3 J-	147	4640	< 0.22 U	< 24 U	27 J
Shallow	AA-08	No	44	N	02/08/07	178	< 2.5 U	4990 J+	2200	< 2.5 U	7.1 J-	178	4700	< 11 U	2.4	9 J-
Shallow	AA-08	No	51	N	05/16/08	144 J-CAB	< 0.1 U	5910	1960	< 0.1 U	7.1 J	144 J-CAB	4820	57	< 10 U	2 J
Shallow	AA-08	No	58	N	08/14/09	163	< 0.31 U	5840	1990	< 0.31 U	7.2 J	163 J-TDS	3500 J-TDS	28.9	1.2	3 J
Shallow	AA-08	Yes	58	N	08/14/09	155	< 0.31 U	--	--	< 0.31 U	--	155	--	--	--	--
Shallow	AA-09	No	27	N	07/20/04	73	< 5 U	6460	3300	< 5 U	7.7	--	5890 J-	14	1.5	561
Shallow	AA-09	No	37	N	05/01/06	70	< 2.5 U	4330 J-	2560	< 2.5 U	7.2 J-	70	5670	14.3 J+	2.1	28
Shallow	AA-09	No	38	N	08/11/06	70	< 2.5 U	5840	2500	< 2.5 U	7.5 J	70	5740	< 0.22 U	1050	4
Shallow	AA-09	No	42	N	10/23/06	80	< 2.5 U	5230	2700	< 2.5 U	7.3 J-	80	5890	< 0.22 UJ	< 0.47 U	19
Shallow	AA-09	No	44	N	01/26/07	70	< 2.5 U	2540 J-	2920	< 2.5 U	7.4 J-	70	6150	< 11 U	1.2	4
Shallow	AA-09	No	51	N	05/16/08	73	< 0.1 U	8400	2810	< 0.1 U	7.1 J	73	7610	25 J	< 10 U	23
Shallow	AA-09	No	58	N	08/12/09	69	< 0.31 U	7390	2550	< 0.31 U	7.5	69	6600	11.5	0.97 J	6
Shallow	AA-09	Yes	58	N	08/12/09	61	< 0.31 U	--	--	< 0.31 U	--	61	--	--	--	--
Shallow	AA-10	No	27	N	07/20/04	134	< 5 U	5440	2500	< 5 U	7.6	--	4560 J-	12.4	1.5	23
Shallow	AA-10	No	37	N	05/12/06	124	< 2.5 U	4600 J-	2260	< 2.5 U	7.7 J-	124	4880	25.8	< 0.47 U	5
Shallow	AA-10	No	38	N	08/11/06	130	< 2.5 U	4900	2200	< 2.5 U	7.2 J	130	4610	< 0.22 U	846	3
Shallow	AA-10	No	42	N	10/27/06	120	< 2.5 U	4570	2240	< 2.5 U	7.2 J-	120	4770	< 0.22 UJ	< 0.47 U	40
Shallow	AA-10	No	44	N	02/05/07	< 2.5 U	< 2.5 U	6280	2390	< 2.5 U	7.1 J-	< 2.5 U	4560	< 11 U	0.95 J	23
Shallow	AA-10	No	51	N	05/12/08	123	< 0.1 U	6060	2130	< 0.1 U	7.5 J	123	4590	51.6	< 0.2 U	11
Shallow	AA-10	No	58	N	08/11/09	148	< 0.31 U	5890	1830	< 0.31 U	7.2 J	148 J-TDS	4110 J-TDS	34.8	1	8
Shallow	AA-10	Yes	58	N	08/11/09	146	< 0.31 U	--	--	< 0.31 U	--	146	--	--	--	--
Shallow	AA-13	No	27	N	07/14/04	288	< 5 U	2350 J	676	< 5 U	7.6 J	--	1810	< 1 U	< 1 U	242
Shallow	AA-13	No	37	N	05/12/06	246	< 2.5 U	2460 J-	1000	< 2.5 U	7.5 J-	246	2550	45.1	< 0.47 U	21
Shallow	AA-13	No	38	N	08/03/06	126	< 2.5 U	2610	1060	< 2.5 U	7.6 J	126	2500	72.5 J+	900	17
Shallow	AA-13	No	42	N	10/20/06	188	< 2.5 U	2620	1170	< 2.5 U	7.2 J-	188	2680	--	< 0.47 U	13
Shallow	AA-13	No	44	N	01/26/07	262	< 2.5 U	2270 J-	1200	< 2.5 U	7.4 J-	262	2640	80.4	2.1	2
Shallow	AA-13	No	51	N	05/12/08	233	< 0.1 U	3600	1150	< 0.1 U	7.7 J	233	2760	78.3	< 0.2 U	3
Shallow	AA-13	No	58	N	08/13/09	199	< 0.31 U	3630	1120	< 0.31 U	7.1 J	199 J-TDS	1800 J-TDS	38.6	1.8	4
Shallow	AA-13	Yes	58	N	08/13/09	198	< 0.31 U	--	--	< 0.31 U	--	198	--	--	--	--
Shallow	AA-18	No	27	N	02/06/07	90	< 5 U	1760	640	< 5 U	8	--	1330 J-	8	0.92 J	949
Shallow	AA-18	No	37	N	05/19/06	104	< 2.5 U	1750 J-	500	< 2.5 U	7.3 J-	104	1150	21.9 J-	< 24 U	103
Shallow	AA-18	No	38	N	08/10/06	96	< 2.5 U	1820	540	< 2.5 U	7.6 J	96	1280	< 0.22 UJ	1060	< 1 U
Shallow	AA-18	No	42	N	10/31/06	86.4	< 2.5 U	1750	484	< 2.5 U	7.7 J-	86.4	1210	< 0.22 U	< 24 U	13
Shallow	AA-18	No	44	N	02/06/07	104	< 2.5 U	2350 J-	740	< 2.5 U	7.3 J-	104	1190	< 11 U	< 0.76 U	6
Shallow	AA-18	No	51	N	05/13/08	100 J-CAB	< 0.1 U	1740	525	< 0.1 U	7.9 J	100 J-CAB	1160	26.7 J	< 0.2 U	10
Shallow	AA-18	No	58	N	08/11/09	95	< 0.31 U	1720	510	< 0.31 U	7.5 J	R-CAB&TDS	< 350 U	22.6	0.8 J	12
Shallow	AA-18	Yes	58	N	08/11/09	95	< 0.31 U	--	--	< 0.31 U	--	95	--	--	--	--

GENERAL WATER QUALITY RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Bicarbonate alkalinity	Carbonate alkalinity	Conductivity	Hardness	Hydroxide alkalinity	pH	Total Alkalinity	Total Dissolved Solids	Total Inorganic Carbon	Total Organic Carbon	Total Suspended Solids
					Units	mg/L	mg/L	umhos/cm	mg/L	mg/L	none	mg/L	mg/L	mg/L	mg/L	mg/L
					MCL	--	--	--	--	--	--	--	500	--	--	--
					BCL	--	--	--	--	--	--	--	--	--	--	--
Shallow	AA-20	No	27	N	07/23/04	64	< 5 U	6890	2680	< 5 U	7.7	--	6020	13.4	1.1	8
Shallow	AA-20	No	37	N	05/02/06	80	< 2.5 U	5110 J-	2460	< 2.5 U	7.3 J-	80	6000	13.8 J+	2.6	33
Shallow	AA-20	No	38	N	08/11/06	90	< 2.5 U	5760	2540	< 2.5 U	7.4 J	90	5670	< 0.22 U	1070	28
Shallow	AA-20	No	42	N	10/30/06	91	< 2.5 U	5320	2170	< 2.5 U	7.4 J-	91	6160	< 0.22 UJ	< 0.47 U	23
Shallow	AA-20	No	44	N	01/30/07	67	< 2.5 U	3200 J-	2620	< 2.5 U	7.7 J-	67	5990	< 11 U	1.2	3
Shallow	AA-20	No	51	N	05/14/08	79 J-CAB	< 0.1 U	7530	2680	< 0.1 U	7.4 J	79 J-CAB	5990	25.8 J	< 0.2 U	4
Shallow	AA-20	No	58	N	09/11/09	78	< 0.31 U	7640	2360	< 0.31 U	6.9	78	6400	10.6	1.2	8
Shallow	AA-20	Yes	58	N	09/11/09	79	< 0.31 U	--	--	< 0.31 U	--	79	--	--	--	--
Shallow	AA-21	No	27	N	07/25/04	190	< 5 U	7550	3400	< 5 U	7.7 J	--	6640 J-	31.4	2.6	1580 J
Shallow	AA-21	No	37	N	05/19/06	194	< 2.5 U	5660 J-	3120	< 2.5 U	7.1 J	194	6510	38.8 J-	< 24 U	7
Shallow	AA-21	No	38	N	08/17/06	180	< 2.5 U	5170	2900 J-	< 2.5 U	7.1 J	180	6180	< 0.22 U	3280	12 J
Shallow	AA-21	No	42	N	10/31/06	153	< 2.5 U	5830	2100	< 2.5 U	7.2 J-	153	6360	< 0.22 U	< 24 U	50
Shallow	AA-21	No	44	N	01/29/07	161	< 2.5 U	3080 J-	2820	< 2.5 U	7.1 J-	161	6390	< 11 U	1.7	2
Shallow	AA-21	No	51	N	05/13/08	165	< 0.1 U	7040	2780	< 0.1 U	7.4 J	165	4550	72.1	< 0.2 U	116
Shallow	AA-21	No	58	N	08/12/09	189	< 0.31 U	7100	2510	< 0.31 U	7.2	189	5600	33.2	1.7	7
Shallow	AA-21	Yes	58	N	08/12/09	180	< 0.31 U	--	--	< 0.31 U	--	180	--	--	--	--
Shallow	AA-22	No	27	N	07/17/04	78	< 5 U	2800	1120	< 5 U	7.8	--	2270 J-	< 5 UJ-	3.8	2 J-
Shallow	AA-22	No	37	N	05/24/06	174	< 2.5 U	2520 J-	1400	< 2.5 U	7.2 J-	174	2460	25 J-	< 24 U	21
Shallow	AA-22	No	38	N	08/18/06	232	< 2.5 U	2500	1020 J-	< 2.5 U	7.3 J	232	2260	< 0.22 U	3310	< 1 UJ
Shallow	AA-22	No	42	N	11/03/06	195	< 2.5 U	2710	1110	< 2.5 U	7.3 J-	195	2180	< 0.22 U	< 24 U	9
Shallow	AA-22	No	44	N	02/09/07	172	< 2.5 U	2460 J+	1570	< 2.5 U	7.4 J-	172	2310	56	3.1	1 J-
Shallow	AA-22	No	51	N	05/14/08	166 J-CAB	< 0.1 U	3880	1620	< 0.1 U	7.5 J	166 J-CAB	3020	62.8	< 0.2 U	4 J
Shallow	AA-22	No	58	N	09/23/09	68.8	< 0.31 U	4800	2280	< 0.31 U	7.3 J	68.8 J-TDS	3600 J-TDS	21.5	2.4	7
Shallow	AA-22	Yes	58	N	09/23/09	66	< 0.31 U	4810	--	< 0.31 U	--	66	--	--	--	--
Shallow	AA-23-R	No	51	N	05/19/08	157	< 0.1 U	4560	2180	< 0.1 U	6.9 J	157	4260	49 J	< 10 U	16
Shallow	AA-23-R	No	58	N	09/10/09	90.4	< 0.31 U	6010	2240	< 0.31 U	7.4	90.4 J-TDS	2400 J-TDS	11.4	1.7	10
Shallow	AA-23-R	Yes	58	N	09/10/09	89.8	< 0.31 U	--	--	< 0.31 U	--	89.8	--	--	--	--
Shallow	AA-26	No	27	N	07/20/04	67	< 5 U	2440	2200	< 5 U	7.8	--	1990 J-	12.1	0.82 J	852
Shallow	AA-26	No	37	N	05/24/06	76	< 2.5 U	2380 J-	960	< 2.5 U	7.4 J-	76	2000	21.1 J-	< 24 U	8
Shallow	AA-26	No	38	N	08/17/06	86	< 2.5 U	2360	1000 J-	< 2.5 U	7.5 J	86	2170	< 0.22 U	3470	2 J
Shallow	AA-26	No	42	N	10/26/06	113	< 2.5 U	2370	810	< 2.5 U	7.5 J-	113	2300	< 0.22 UJ	< 0.47 U	13
Shallow	AA-26	No	44	N	02/28/07	81	< 2.5 U	3100	214	< 2.5 U	7.1 J-	81	2200	< 11 UJ	< 0.16 U	12
Shallow	AA-26	No	51	N	05/19/08	66	< 0.1 U	2970	780	< 0.1 U	7.4 J	66	2520	20.6 J	< 10 U	4
Shallow	AA-26	No	58	N	09/11/09	70	< 0.31 U	3420	1000	< 0.31 U	7.5	70 J-TDS	600 J-TDS	8.7	0.52 J	32
Shallow	AA-26	Yes	58	N	09/11/09	85.8	< 0.31 U	--	--	< 0.31 U	--	85.8	--	--	--	--
Shallow	AA-27	No	27	N	07/16/04	133	< 5 U	4410	2130	< 5 U	7.6	--	4360	1.4	< 1 U	14 J-
Shallow	AA-27	No	37	N	04/27/06	140	< 2.5 U	3170 J-	2020	< 2.5 U	7.1 J-	140	4080	19 J	1.6	23
Shallow	AA-27	No	38	N	08/02/06	136	< 2.5 U	3640	2160	< 2.5 U	7.6 J	136	4240	< 0.22 U	914	25
Shallow	AA-27	No	42	N	10/19/06	121	< 2.5 U	3700	3990	< 2.5 U	7.1 J-	121	4220	--	< 0.47 U	19
Shallow	AA-27	No	44	N	02/02/07	130	< 2.5 U	2360 J-	2010	< 2.5 U	7.2 J-	130	4340	< 11 U	1.5	16
Shallow	AA-27	No	51	N	05/14/08	108 J-CAB	< 0.1 U	4930	2140	< 0.1 U	7.2 J	108 J-CAB	4570 J-	57.4	< 0.2 U	7
Shallow	AA-27	No	58	N	08/26/09	126	< 0.31 U	4980	2070	< 0.31 U	7.6 J	126 J-TDS	3300 J-TDS	31.5	1.5	10
Shallow	AA-27	Yes	58	N	08/26/09	130	< 0.31 U	--	--	< 0.31 U	--	130	--	--	--	--
Shallow	AA-30	No	58	N	09/09/09	115	< 0.31 U	8610	3030	< 0.31 U	7.1	115 J-TDS	5000 J-TDS	15	2.2	14
Shallow	AA-30	Yes	58	N	09/09/09	116	< 0.31 U	--	--	< 0.31 U	--	116	--	--	--	--
Shallow	AA-UW1	No	51	N	05/20/08	85	< 0.1 U	4510	2180	< 0.1 U	7.6 J	85	4310	30.4 J+	< 10 U	41
Shallow	AA-UW1	No	58	N	08/24/09	90	< 0.31 U	4680	2250	< 0.31 U	5.8	90 J-TDS	3100 J-TDS	59.3	1.3	8
Shallow	AA-UW1	Yes	58	N	08/24/09	88	< 0.31 U	--	--	< 0.31 U	--	88	--	--	--	--
Shallow	AA-UW2	No	51	N	05/16/08	123	< 0.1 U	4620	1820	< 0.1 U	7.3 J	123	4460	37.1 J	< 10 U	31
Shallow	AA-UW2	No	58	N	08/11/09	120	< 0.31 U	4740	944	< 0.31 U	7.3 J	120	4200	28.3	2	5
Shallow	AA-UW2	Yes	58	N	08/11/09	115	< 0.31 U	--	--	< 0.31 U	--	115	--	--	--	--
Shallow	AA-UW3	No	51	N	05/20/08	81	< 0.1 U	5730	1600	< 0.1 U	7.6 J	81	4880	25.8 J+	< 10 U	18
Shallow	AA-UW3	No	58	N	08/25/09	81	< 0.31 U	9870	1750	< 0.31 U	7.7 J	81 J-TDS	3500 J-TDS	21.3	0.47 J	8
Shallow	AA-UW3	Yes	58	N	08/25/09	85	< 0.31 U	--	--	< 0.31 U	--	85	--	--	--	--
Shallow	AA-UW4	No	51	N	05/21/08	84 J-CAB	< 0.1 U	6710	1860	< 0.1 U	7.6 J	84 J-CAB	5990 J-	28.7 J+	< 10 U	19
Shallow	AA-UW4	No	51	FD	05/21/08	64 J-CAB	< 0.1 U	6700	1860	< 0.1 U	7.6 J	64 J-CAB	7000 J-	22.5 J+	< 10 U	15

GENERAL WATER QUALITY RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Bicarbonate alkalinity	Carbonate alkalinity	Conductivity	Hardness	Hydroxide alkalinity	pH	Total Alkalinity	Total Dissolved Solids	Total Inorganic Carbon	Total Organic Carbon	Total Suspended Solids
						Units	mg/L	mg/L	umhos/cm	mg/L		mg/L	none	mg/L	mg/L	mg/L
						MCL	--	--	--	--	--	--	500	--	--	--
						BCL	--	--	--	--	--	--	--	--	--	--
Shallow	AA-UW4	No	58	N	08/26/09	78	< 0.31 U	5700	1800	< 0.31 U	7.6 J	78 J-TDS	4300 J-TDS	19.1	1.3	5
Shallow	AA-UW4	No	58	FD	08/26/09	81	< 0.31 U	5710	991	< 0.31 U	7.6 J	81 J-TDS	3700 J-TDS	18.7	1	7
Shallow	AA-UW4	Yes	58	N	08/26/09	80	< 0.31 U	--	--	< 0.31 U	--	80	--	--	--	--
Shallow	AA-UW4	Yes	58	FD	08/26/09	86	< 0.31 U	--	--	< 0.31 U	--	86	--	--	--	--
Shallow	AA-UW5	No	51	N	05/22/08	124 J-CAB	< 0.1 U	4350	450 J	< 0.1 U	7.8 J	124 J-CAB	1400	27.5 J+	< 10 U	2
Shallow	AA-UW5	No	51	FD	05/22/08	127 J-CAB	< 0.1 U	4390	1300 J	< 0.1 U	7.8 J	127 J-CAB	1830	27.8 J+	< 10 U	2
Shallow	AA-UW5	No	58	N	09/15/09	116	< 0.31 U	1400	412	< 0.31 U	7.6 J	R-CAB&TDS	R-CAB&TDS	34.9	0.83 J	7 J
Shallow	AA-UW5	No	58	FD	09/15/09	116	< 0.31 U	1390	422	< 0.31 U	7.5 J	R-CAB&TDS	R-CAB&TDS	31.3	0.86 J	12 J
Shallow	AA-UW5	Yes	58	N	09/15/09	116	< 0.31 U	--	--	< 0.31 U	--	116	--	--	--	--
Shallow	AA-UW5	Yes	58	FD	09/15/09	115	< 0.31 U	--	--	< 0.31 U	--	115	--	--	--	--
Shallow	AA-UW6	No	51	N	05/22/08	57 J-CAB	< 0.1 U	1360	1400	< 0.1 U	7.8	57 J-CAB	5850	20.2 J+	< 10 U	7
Shallow	AA-UW6	No	58	N	08/27/09	66	< 0.31 U	4280	1580	< 0.31 U	7.6 J	66	3700	13.6	0.86 J	9
Shallow	AA-UW6	Yes	58	N	08/27/09	64	< 0.31 U	--	--	< 0.31 U	--	64	--	--	--	--
Shallow	BEC-6	No	37	N	04/28/06	72	< 2.5 U	4630 J-	2460	< 2.5 U	6.8 J-	72	4830	13 J	1.2	33
Shallow	BEC-6	No	38	N	08/01/06	64	< 2.5 U	5090	2940	< 2.5 U	6.5 J-	64	5520	< 0.22 U	987	30
Shallow	BEC-6	No	42	N	10/19/06	62	< 2.5 U	5140	2610	< 2.5 U	7.2 J-	62	4510	--	< 0.47 U	36
Shallow	BEC-6	No	44	N	01/29/07	61	< 2.5 U	2490 J-	2730	< 2.5 U	7.3 J-	61	5830	< 11 U	1	3
Shallow	BEC-6	No	51	N	04/24/08	105 J-CAB	< 0.1 U	7220	2820	< 0.1 U	7 J	105 J-CAB	5900 J-	27.9 J	< 10 U	8
Shallow	BEC-6	No	58	N	09/28/09	58	< 0.31 U	5980	2490	< 0.31 U	7 J	R-CAB&TDS	R-CAB&TDS	19.8	0.97 J	8
Shallow	BEC-6	Yes	58	N	09/28/09	58	< 0.31 U	5920	--	< 0.31 U	--	58	--	--	--	--
Shallow	BEC-9	No	37	N	05/02/06	126	< 2.5 U	4890 J-	3160	< 2.5 U	5.6 J-	126	5680	48.6 J+	3	29
Shallow	BEC-9	No	38	N	08/02/06	116	< 2.5 U	5170	3160	< 2.5 U	7.1 J	116	6020	< 0.22 U	935	31
Shallow	BEC-9	No	42	N	10/19/06	110	< 2.5 U	5100	3020	< 2.5 U	7.2 J-	110	5120	--	< 0.47 U	32
Shallow	BEC-9	No	44	N	01/29/07	121	< 2.5 U	2770 J-	3080	< 2.5 U	5.5 J-	121	5900	61.1	1.5	12
Shallow	BEC-9	No	51	N	04/24/08	109 J-CAB	< 0.1 U	8560	3210	< 0.1 U	5.7	109 J-CAB	6160 J-	98	< 10 U	5
Shallow	BEC-9	No	58	N	08/18/09	134	< 0.31 U	6650	2950	< 0.31 U	7.1 J	134	5300	24.8	1.4	3 J
Shallow	BEC-9	Yes	58	N	08/18/09	135	< 0.31 U	--	--	< 0.31 U	--	135	--	--	--	--
Shallow	COH-2A	No	44	N	01/30/07	122	< 2.5 U	3520 J-	3010	< 2.5 U	7.5 J-	122	6950	59.3	1.8	6
Shallow	COH-2A	No	51	N	05/08/08	146	< 0.1 U	8950	2760	< 0.1 U	7.3 J	146	6900	38 J	< 0.2 U	9
Shallow	COH-2A	No	58	N	09/11/09	350	< 0.31 U	7510	1680	< 0.31 U	7.3	350 J-TDS	3300 J-TDS	40.4	4	43
Shallow	COH-2A	Yes	58	N	09/11/09	302	< 0.31 U	--	--	< 0.31 U	--	302	--	--	--	--
Shallow	DBMW-1	No	51	N	05/20/08	63	< 0.1 U	6780	2780	< 0.1 U	7.4 J	63	6180	22 J+	< 10 U	27
Shallow	DBMW-1	No	58	N	08/31/09	63	< 0.31 U	7490	2570	< 0.31 U	7.1 J	63 J-TDS	8600 J-TDS	15.6	0.73 J	24
Shallow	DBMW-1	Yes	58	N	08/31/09	54	< 0.31 U	--	--	< 0.31 U	--	54	--	--	--	--
Shallow	DBMW-10	No	51	N	05/27/08	71	< 0.1 U	2810	940	< 0.1 U	7.6 J	71	1760	17 J-	< 10 U	6
Shallow	DBMW-10	No	58	N	09/29/09	89.6	< 0.31 U	2800	922	< 0.31 U	5.3 J	89.6 J-TDS	3300 J-TDS	98.6	1.1	14
Shallow	DBMW-10	Yes	58	N	09/29/09	120	< 0.31 U	2790	--	< 0.31 U	--	120	--	--	--	--
Shallow	DBMW-11	No	51	N	06/02/08	65	< 0.1 U	9060	3440	< 0.1 U	7.5 J	65	7250	23.5	< 10 U	19
Shallow	DBMW-11	No	58	N	10/01/09	64.4	< 0.31 U	10400	3880	< 0.31 U	7.4 J	64.4 J-TDS	5400 J-TDS	15.6	1.4	7
Shallow	DBMW-11	Yes	58	N	10/01/09	65.2	< 0.31 U	10200	--	< 0.31 U	--	65.2	--	--	--	--
Shallow	DBMW-12	No	51	N	05/27/08	55 J-CAB	< 0.1 U	11400	5250	< 0.1 U	7.1 J	55 J-CAB	9780	13.9 J	< 10 U	23
Shallow	DBMW-12	No	58	N	09/24/09	67.6	< 0.31 U	8070	3820	< 0.31 U	6.1	67.6 J-TDS	6600 J-TDS	17.5	1.3	13
Shallow	DBMW-12	No	58	FD	09/24/09	67.6	< 0.31 U	8080	3480	< 0.31 U	6.2	67.6 J-TDS	5800 J-TDS	18.6	1.2	12
Shallow	DBMW-12	Yes	58	N	09/24/09	67.2	< 0.31 U	8100	--	< 0.31 U	--	67.2	--	--	--	--
Shallow	DBMW-12	Yes	58	FD	09/24/09	66.4	< 0.31 U	8100	--	< 0.31 U	--	66.4	--	--	--	--
Shallow	DBMW-13	No	51	N	05/28/08	51	< 0.1 U	6660	2630	< 0.1 U	7.6 J	51	5890	< 11 R	< 10 U	4
Shallow	DBMW-13	No	58	N	09/29/09	48	< 0.31 U	6660	2560	< 0.31 U	5.4 J	48 J-TDS	7400 J-TDS	31.4	< 0.22 U	79
Shallow	DBMW-13	Yes	58	N	09/29/09	54.4	< 0.31 U	6700	--	< 0.31 U	--	54.4	--	--	--	--
Shallow	DBMW-14	No	51	N	05/29/08	55 J-CAB	< 0.1 U	2910	2590	< 0.1 U	7.4 J	55 J-CAB	5680	13.5 J	< 10 U	9
Shallow	DBMW-14	No	58	N	09/29/09	58	< 0.31 U	6540	2500	< 0.31 U	5.5 J	58 J-TDS	7100 J-TDS	61.5	0.54 J	98
Shallow	DBMW-14	Yes	58	N	09/29/09	54	< 0.31 U	6510	--	< 0.31 U	--	54	--	--	--	--
Shallow	DBMW-15	No	51	N	05/28/08	56	< 0.1 U	5060 J	2210	< 0.1 U	7.6 J	56	4170	< 11 U	< 10 U	9
Shallow	DBMW-15	No	58	N	09/30/09	53.6	< 0.31 U	5020	2240	< 0.31 U	7.5 J	53.6	3700	12.6	0.48 J	16
Shallow	DBMW-15	Yes	58	N	09/30/09	53.6	< 0.31 U	5000	--	< 0.31 U	--	53.6	--	--	--	--
Shallow	DBMW-16	No	51	N	05/29/08	76	< 0.1 U	1550	550	< 0.1 U	7.8 J	76	900	17.6 J	< 10 U	2 J
Shallow	DBMW-16	No	58	N	10/02/09	74	< 0.31 U	1020 J+	327	< 0.31 U	5.6 J	74 J-CAB&TDS	1070 J-CAB&TDS	59.7	0.25 J	7

GENERAL WATER QUALITY RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
 (Page 4 of 11)

Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Bicarbonate alkalinity	Carbonate alkalinity	Conductivity	Hardness	Hydroxide alkalinity	pH	Total Alkalinity	Total Dissolved Solids	Total Inorganic Carbon	Total Organic Carbon	Total Suspended Solids
					Units	mg/L	mg/L	umhos/cm	mg/L	mg/L	none	mg/L	mg/L	mg/L	mg/L	mg/L
					MCL	--	--	--	--	--	--	--	500	--	--	--
					BCL	--	--	--	--	--	--	--	--	--	--	--
Shallow	DBMW-16	Yes	58	N	10/02/09	70	< 0.31 U	1020	--	< 0.31 U	--	70 J-	--	--	--	--
Shallow	DBMW-17	No	51	N	05/30/08	79	< 0.1 U	2140	770	< 0.1 U	7.8 J	79	1790	15.7 J	< 10 U	22
Shallow	DBMW-17	No	58	N	10/02/09	496	< 0.61 U	1100	937	< 0.61 U	6.4 J	496 J-TDS	700 J-TDS	172	1.2	10
Shallow	DBMW-17	Yes	58	N	10/02/09	496	< 0.61 U	1060	--	< 0.31 U	--	496 J-	--	--	--	--
Shallow	DBMW-19	No	51	N	05/30/08	121 J-CAB	< 0.1 U	5580	2210	< 0.1 U	7.6 J	121 J-CAB	4780	31.5 J	< 10 U	30
Shallow	DBMW-19	No	58	N	09/24/09	166	< 0.31 U	7010	2740	< 0.31 U	5.5	166 J-TDS	4300 J-TDS	146	1.5	230
Shallow	DBMW-19	Yes	58	N	09/24/09	124	< 0.31 U	7100	--	< 0.31 U	--	124	--	--	--	--
Shallow	DBMW-2	No	51	N	06/02/08	94 J-CAB	< 0.1 U	7610	2840	< 0.1 U	7.3 J	94 J-CAB	6600	27	< 10 U	22
Shallow	DBMW-2	No	58	N	09/04/09	68.2	< 0.31 U	7590	2610	< 0.31 U	7.5 J	68.2	6400	16.1	0.72 J	30
Shallow	DBMW-2	Yes	58	N	09/04/09	68	< 0.31 U	--	--	< 0.31 U	--	68	--	--	--	--
Shallow	DBMW-20	No	51	N	05/13/08	121	< 0.1 U	5850	2300	< 0.1 U	7.5 J	121	5580	48.9 J	< 0.2 U	14
Shallow	DBMW-20	No	58	N	09/30/09	122	< 0.31 U	6060	2450	< 0.31 U	6.9 J	122 J-TDS	4100 J-TDS	29.8	2.4	15
Shallow	DBMW-20	Yes	58	N	09/30/09	121	< 0.31 U	6050	--	< 0.31 U	--	121	--	--	--	--
Shallow	DBMW-22	No	51	N	05/30/08	52	< 0.1 U	4520	2130	< 0.1 U	5.8 J	52	3720	112	< 10 U	10
Shallow	DBMW-22	No	58	N	09/28/09	34	< 0.31 U	4010	1910	< 0.31 U	6.9 J	34 J-TDS	5000 J-TDS	29.6 J	0.28 J	40 J
Shallow	DBMW-22	No	58	FD	09/28/09	33.2	< 0.31 U	3990	1890	< 0.31 U	6.8 J	33.2 J-TDS	5100 J-TDS	6.3 J	0.35 J	10 J
Shallow	DBMW-22	Yes	58	N	09/28/09	32.4	< 0.31 U	4000	--	< 0.31 U	--	32.4	--	--	--	--
Shallow	DBMW-22	Yes	58	FD	09/28/09	31.6	< 0.31 U	4020	--	< 0.31 U	--	31.6	--	--	--	--
Shallow	DBMW-3	No	51	N	06/02/08	57 J-CAB	< 0.1 U	7810	3010	< 0.1 U	7.3 J	57 J-CAB	6590	16.5	< 10 U	12
Shallow	DBMW-3	No	58	N	09/04/09	56.4	< 0.31 U	8350	2910	< 0.31 U	7.6	56.4 J-TDS	6600 J-TDS	13.3	0.78 J	38
Shallow	DBMW-3	Yes	58	N	09/04/09	58	< 0.31 U	--	--	< 0.31 U	--	58	--	--	--	--
Shallow	DBMW-4	No	51	N	05/22/08	161 J-CAB	< 0.1 U	6740	2750	< 0.1 U	6.2 J	161 J-CAB	6740	22.9 J+	< 10 U	44
Shallow	DBMW-4	No	58	N	09/22/09	90.8	< 0.31 U	6590	2550	< 0.31 U	7.5 J	90.8 J-TDS	4400 J-TDS	25.2	1.8	14
Shallow	DBMW-4	Yes	58	N	09/22/09	91.2	< 0.31 U	--	--	< 0.31 U	--	91.2	--	--	--	--
Shallow	DBMW-5	No	51	N	05/22/08	88 J-CAB	< 0.1 U	6040	3020	< 0.1 U	6.7 J	88 J-CAB	8000	15.9 J+	< 10 U	2
Shallow	DBMW-5	No	58	N	09/23/09	79.2	< 0.31 U	6140	2720	< 0.31 U	5.3 J	79.2 J-TDS	4300 J-TDS	120 J	1.4	38 J
Shallow	DBMW-5	No	58	FD	09/23/09	78.8	< 0.31 U	6140	2670	< 0.31 U	6.7 J	78.8 J-TDS	6600 J-TDS	32.5 J	1.4	12 J
Shallow	DBMW-5	Yes	58	N	09/23/09	73.6	< 0.31 U	6110	--	< 0.31 U	--	73.6	--	--	--	--
Shallow	DBMW-5	Yes	58	FD	09/23/09	76	< 0.31 U	6090	--	< 0.31 U	--	76	--	--	--	--
Shallow	DBMW-7	No	51	N	06/02/08	62 J-CAB	< 0.1 U	7460	3060	< 0.1 U	7.6 J	62 J-CAB	6030	14.5	< 10 U	8
Shallow	DBMW-7	No	58	N	09/25/09	65.2	< 0.31 U	7510	2830	< 0.31 U	5.3 J	65.2 J-TDS	6900 J-TDS	82.5 J	3.2	33 J
Shallow	DBMW-7	No	58	FD	09/25/09	131	< 0.31 U	7520	1740	< 0.31 U	5.4 J	131 J-TDS	8100 J-TDS	175 J	3.2	132 J
Shallow	DBMW-7	Yes	58	N	09/25/09	146	< 0.31 U	7530	--	< 0.31 U	--	146 J	--	--	--	--
Shallow	DBMW-7	Yes	58	FD	09/25/09	143	< 0.31 U	7540	--	< 0.31 U	--	143 J	--	--	--	--
Shallow	DBMW-8	No	51	N	06/03/08	55 J-CAB	< 0.1 U	7600	3030	< 0.1 U	7.6 J	55 J-CAB	5860	11.9	< 10 U	11
Shallow	DBMW-8	No	58	N	09/23/09	56	< 0.31 U	7940	3300	< 0.31 U	6 J	56 J-TDS	8000 J-TDS	30.8	2.6	16
Shallow	DBMW-8	Yes	58	N	09/23/09	54.4	< 0.31 U	8010	--	< 0.31 U	--	54.4	--	--	--	--
Shallow	DBMW-9	No	51	N	05/23/08	89 J-CAB	< 0.1 U	4480	2050	< 0.1 U	7.6 J	89 J-CAB	3700 J-	27.8 J+	< 10 U	14
Shallow	DBMW-9	No	58	N	09/29/09	78.8	< 0.31 U	4360	1970	< 0.31 U	7.4 J	78.8 J-TDS	< 350 UJ	14	1.9	20
Shallow	DBMW-9	Yes	58	N	09/29/09	78.8	< 0.31 U	4340	--	< 0.31 U	--	78.8	--	--	--	--
Shallow	DM-1	No	37	N	05/01/06	310	< 2.5 U	3250 J-	2400	< 2.5 U	5.9 J-	310	4690	133 J+	3.5	117
Shallow	DM-1	No	38	N	07/31/06	178	< 2.5 U	3740	2540	< 2.5 U	6.7 J	178	4740	54.6	930	25
Shallow	DM-1	No	42	N	10/18/06	152	< 2.5 U	3660	2260	< 2.5 U	7.2 J-	152	3630	--	< 0.47 U	38
Shallow	DM-1	No	44	N	01/25/07	167	< 2.5 U	2240 J-	1780	< 2.5 U	7.3 J-	167	3580	< 11 U	2.2	22
Shallow	DM-1	No	51	N	04/22/08	185	< 0.1 U	4750	2210	< 0.1 U	7.2 J	185	4200 J-	64.9	< 10 U	17
Shallow	DM-1	No	58	N	10/01/09	273	< 0.31 U	5020	2120	< 0.31 U	5.8 J	273 J-TDS	2400 J-TDS	159	1.3	28
Shallow	DM-1	Yes	58	N	10/01/09	263	< 0.31 U	5100	--	< 0.31 U	--	263	--	--	--	--
Shallow	HMW-08	No	44	N	02/02/07	129	< 2.5 U	2340 J-	2030	< 2.5 U	7.1 J-	129	3580	< 11 U	3.2	261
Shallow	HMW-08	No	51	N	05/06/08	225 J-CAB	< 0.1 U	3530	1140	< 0.1 U	6.9 J	225 J-CAB	2880	51.6	< 0.2 U	208
Shallow	HMW-08	No	58	N	09/29/09	400	< 0.31 U	5550	2750	< 0.31 U	6 J	R-CAB&TDS	R-CAB&TDS	166	1.9	813
Shallow	HMW-08	Yes	58	N	09/29/09	284	< 0.31 U	5600	--	< 0.31 U	--	284	--	--	--	--
Shallow	HMW-09	No	44	N	02/09/07	144	< 2.5 U	4410 J+	1980	< 2.5 U	7.1 J-	144	3760	< 11 U	2.3	195 J-
Shallow	HMW-09	No	51	N	05/06/08	127	< 0.1 U	4800	1790	< 0.1 U	7.3 J	127	3710	< 0.22 U	< 0.2 U	60
Shallow	HMW-09	No	58	N	09/28/09	132	< 0.31 U	5100	2610	< 0.31 U	8.2 J	132 J-TDS	7800 J-TDS	26.1	1.6	248
Shallow	HMW-09	Yes	58	N	09/28/09	130	< 0.31 U	5210	--	< 0.31 U	--	130	--	--	--	--
Shallow	HMWWT-6	No	44	N	02/21/07	77	< 2.5 U	2390	1020	< 2.5 U	7.5 J-	77	1820	< 11 UJ	0.6 J	3

GENERAL WATER QUALITY RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Bicarbonate alkalinity	Carbonate alkalinity	Conductivity	Hardness	Hydroxide alkalinity	pH	Total Alkalinity	Total Dissolved Solids	Total Inorganic Carbon	Total Organic Carbon	Total Suspended Solids
					Units	mg/L	mg/L	umhos/cm	mg/L	mg/L	none	mg/L	mg/L	mg/L	mg/L	mg/L
					MCL	--	--	--	--	--	--	--	500	--	--	--
					BCL	--	--	--	--	--	--	--	--	--	--	--
Shallow	HMWWT-6	No	51	N	04/25/08	73	<0.1 U	2370	760	<0.1 U	7.7 J	73	1570	15.6 J	<10 U	3
Shallow	HMWWT-6	No	58	N	09/04/09	79.6	<0.31 U	2240	645	<0.31 U	7.7	79.6 J-TDS	1600 J-TDS	18.9	0.65 J	100
Shallow	HMWWT-6	Yes	58	N	09/04/09	79	<0.31 U	--	--	<0.31 U	--	79	--	--	--	--
Shallow	MCF-01B	No	27	N	07/24/04	112	<5 U	2890	760	<5 U	8 J	--	2160 J-	10	2.9	13 J
Shallow	MCF-01B	No	37	N	05/11/06	122	<2.5 U	2250 J-	610	<2.5 U	7.6 J-	122	2000	18.9	<0.47 U	14
Shallow	MCF-01B	No	38	N	07/31/06	116	<2.5 U	2220	720	<2.5 U	7.6 J	116	2070	<0.22 U	957	14
Shallow	MCF-01B	No	42	N	11/06/06	117	<2.5 U	2290	550	<2.5 U	7.6 J-	117	1980	<0.22 U	<24 U	12
Shallow	MCF-01B	No	44	N	02/14/07	123	<2.5 U	2720	570	<2.5 U	7.5 J-	123	1830	<11 U	<0.16 U	4
Shallow	MCF-01B	No	51	N	04/23/08	132 J-CAB	<0.1 U	2760	690	<0.1 U	7.5 J	132 J-CAB	1960 J-	38.3 J	<10 U	4
Shallow	MCF-01B	No	58	N	08/07/09	127	<0.31 U	2740	540	<0.31 U	7.2 J	127	1990	28.7	0.28 J	1 J
Shallow	MCF-01B	Yes	58	N	08/07/09	125	<0.31 U	--	--	<0.31 U	--	125	--	--	--	--
Shallow	MCF-03B	No	27	N	07/24/04	<5 U	78	3220	640	135	11.3 J	--	1890 J-	2.8	3.6	34 J
Shallow	MCF-03B	No	37	N	05/12/06	82	<2.5 U	2750 J-	800	<2.5 U	8.1 J-	82	2590	15.2	<0.47 U	7
Shallow	MCF-03B	No	38	N	08/16/06	104	<2.5 U	2880 J+	800	<2.5 U	7.8 J	104	2450	<0.22 U	3330	6 J
Shallow	MCF-03B	No	42	N	11/03/06	105	<2.5 U	2880	930	<2.5 U	7.4 J-	105	2490	<0.22 U	<24 U	6
Shallow	MCF-03B	No	44	N	02/20/07	84	<2.5 U	3000	1050	<2.5 U	7.7 J-	84	2610	<11 U	0.93 J	14
Shallow	MCF-03B	No	51	N	04/29/08	129	<0.1 U	3520	780	<0.1 U	7.8 J	129	2970	26.6 J	15.2 J	5
Shallow	MCF-03B	No	58	N	08/17/09	130	<0.31 U	3360	738	<0.31 U	7.8 J	130 J-TDS	1900 J-TDS	21.8	0.91 J	4
Shallow	MCF-03B	Yes	58	N	08/17/09	131	<0.31 U	--	--	<0.31 U	--	131	--	--	--	--
Shallow	MCF-06B	No	27	N	07/26/04	27	50	19800	3600	<5 U	9.9	--	15000 J-	2.3	4.5	89 J-
Shallow	MCF-06B	No	37	N	05/18/06	50	<2.5 U	35400 J-	11000	<2.5 U	8.6 J-	50	31400	<0.22 U	<24 U	16
Shallow	MCF-06B	No	38	N	08/09/06	86	<2.5 U	41400	18200	<2.5 U	8.3 J	86	39700	<0.22 U	1080	190
Shallow	MCF-06B	No	42	N	10/31/06	82	<2.5 U	43000	16000	<2.5 U	8.3 J-	84	38200	<0.22 U	<24 U	173
Shallow	MCF-06B	No	44	N	02/01/07	117	<2.5 U	4290 J-	17000	<2.5 U	8.2 J-	117	39700	<11 U	1	37
Shallow	MCF-06B	No	51	N	05/02/08	83	<0.1 U	38800	17800	<0.1 U	8.3 J	83	48800	17.2 J	<10 U	49
Shallow	MCF-06B	No	58	N	08/28/09	94	<0.31 U	39600	1190	<0.31 U	8.2 J	94 J-TDS	11500 J-TDS	15.2	0.96 J	55
Shallow	MCF-06B	Yes	58	N	08/28/09	87	<0.31 U	--	--	<0.31 U	--	87	--	--	--	--
Shallow	MCF-06C	No	27	N	07/26/04	89	<5 U	7420	3400	<5 U	7.8	--	6440 J-	1.8	2.2	3 J-
Shallow	MCF-06C	No	37	N	05/22/06	74	<2.5 U	5900	2680	<2.5 U	7.2 J-	74	47600	13.4 J-	<24 U	2
Shallow	MCF-06C	No	38	N	08/08/06	66	<2.5 U	5910	3200	<2.5 U	7.4 J	66	6280	<0.22 U	1150	34
Shallow	MCF-06C	No	42	N	10/30/06	56	<2.5 U	5830	1750	<2.5 U	7.4 J-	56	6720	<0.22 U	<0.47 U	33
Shallow	MCF-06C	No	44	N	02/01/07	77	<2.5 U	2400 J-	3450	<2.5 U	7.2 J-	77	6980	<11 U	1.6	8
Shallow	MCF-06C	No	51	N	05/23/08	55 J-CAB	<0.1 U	8340	3460	<0.1 U	7.6 J	55 J-CAB	6500 J-	19.6 J+	<10 U	10
Shallow	MCF-06C	No	58	N	09/09/09	66	<0.31 U	8740	3130	<0.31 U	7.3 J	66	6200	8.9	2.2	19
Shallow	MCF-06C	Yes	58	N	09/09/09	69.8	<0.31 U	--	--	<0.31 U	--	69.8	--	--	--	--
Shallow	MCF-12B	No	27	N	07/21/04	<5 U	44	3400	1360	<5 U	9.9	--	2790 J-	2.6	<1 U	154
Shallow	MCF-12B	No	37	N	05/23/06	64	<2.5 U	2700	1360	<2.5 U	7.8 J-	64	2630	12 J-	<24 U	3
Shallow	MCF-12B	No	38	N	08/09/06	56	<2.5 U	28200	1220	<2.5 U	7.7 J	56	2520	<0.22 U	1120	17
Shallow	MCF-12B	No	42	N	11/08/06	56	<2.5 U	3060	1260	<2.5 U	7.4 J-	56	2620	<0.22 U	<24 U	14
Shallow	MCF-12B	No	44	N	02/15/07	61	<2.5 U	3140	1410	<2.5 U	7.2 J-	61	2760	<11 U	<0.16 U	1
Shallow	MCF-12B	No	51	N	05/08/08	69 J-CAB	<0.1 U	3640	1360	<0.1 U	7.3 J	69 J-CAB	2840	11.7 J	<0.2 U	3
Shallow	MCF-12B	No	58	N	08/19/09	58	<0.31 U	3640	1310	<0.31 U	7.4 J	58	2900	10.2	0.83 J	7
Shallow	MCF-12B	Yes	58	N	08/19/09	60	<0.31 U	--	--	<0.31 U	--	60	--	--	--	--
Shallow	MCF-16C	No	27	N	07/23/04	118	<5 U	6330	3040	<5 U	7.9	--	5470	8.1	2.2	417
Shallow	MCF-16C	No	37	N	05/22/06	90	<2.5 U	6460	3500	<2.5 U	7.2 J-	90	8150	11.6 J-	<24 U	7
Shallow	MCF-16C	No	38	N	08/16/06	84	<2.5 U	6850 J+	1020	<2.5 U	7.3 J	84	8190	<0.22 U	3340	9 J
Shallow	MCF-16C	No	42	N	11/06/06	73	<2.5 U	5720	4750	<2.5 U	7.3 J-	73	7010	<0.22 U	<24 U	27
Shallow	MCF-16C	No	44	N	02/20/07	87	<2.5 U	7910 J+	3530	<2.5 U	6.7 J-	87	6480	<11 U	1.5	5
Shallow	MCF-16C	No	51	N	05/19/08	74 J-CAB	<0.1 U	4750	4000	<0.1 U	7.4 J	74 J-CAB	16000	62.1	<10 U	5
Shallow	MCF-16C	No	58	N	09/30/09	83.6	<0.31 U	11200	3970	<0.31 U	7.4 J	83.6 J-CAB&TDS	11500 J-CAB&TDS	20.2	1.3	24
Shallow	MCF-16C	Yes	58	N	09/30/09	74.4	<0.31 U	11300	--	<0.31 U	--	74.4	--	--	--	--
Shallow	MW-13	No	44	N	02/15/07	178	<2.5 U	3670	1110	<2.5 U	7.3 J-	178	2520	<11 U	2.1	27
Shallow	MW-13	No	51	N	05/12/08	136	<0.1 U	6090	2480	<0.1 U	7.4 J	136	4860	42.3 J	<0.2 U	26
Shallow	MW-13	No	58	N	09/02/09	128	<0.31 U	5840	2170	<0.31 U	7 J	128 J-TDS	3700 J-TDS	32.3	1.9	22
Shallow	MW-13	Yes	58	N	09/02/09	126	<0.31 U	--	--	<0.31 U	--	126	--	--	--	--
Shallow	MW-15	No	44	N	02/13/07	142	<2.5 U	4240	1810	<2.5 U	6.5 J-	142	4400	<11 U	<38 U	12

**GENERAL WATER QUALITY RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Bicarbonate alkalinity	Carbonate alkalinity	Conductivity	Hardness	Hydroxide alkalinity	pH	Total Alkalinity	Total Dissolved Solids	Total Inorganic Carbon	Total Organic Carbon	Total Suspended Solids
					Units	mg/L	mg/L	umhos/cm	mg/L	mg/L	none	mg/L	mg/L	mg/L	mg/L	mg/L
					MCL	--	--	--	--	--	--	--	500	--	--	--
					BCL	--	--	--	--	--	--	--	--	--	--	--
Shallow	MW-15	No	51	N	05/21/08	115	< 0.1 U	5240	1800	< 0.1 U	7.4 J	115	6630 J-	58.4 J	< 10 U	18
Shallow	MW-15	No	58	N	09/02/09	151	< 0.31 U	5170	1780	< 0.31 U	7.3 J	151 J-TDS	4300 J-TDS	37.7	0.39 J	132
Shallow	MW-15	Yes	58	N	09/02/09	148	< 0.31 U	--	--	< 0.31 U	--	148	--	--	--	--
Shallow	MW-3	No	44	N	02/14/07	94	< 2.5 U	5220	2000	< 2.5 U	7.5 J-	94	4800	< 11 U	< 0.16 U	54
Shallow	MW-3	No	51	N	05/09/08	108 J-CAB	< 0.1 U	6750	2120	< 0.1 U	8 J	108 J-CAB	4820	103	< 0.2 U	12
Shallow	MW-3	No	58	N	09/10/09	89	< 0.31 U	6840	1940	< 0.31 U	7.4	89 J-TDS	3100 J-TDS	12.7	2	44
Shallow	MW-3	Yes	58	N	09/10/09	97	< 0.31 U	--	--	< 0.31 U	--	97	--	--	--	--
Shallow	MW-4	No	44	N	02/15/07	71	< 2.5 U	13500	5200	< 2.5 U	7.4 J-	71	14000	< 11 U	< 0.16 U	250
Shallow	MW-4	No	51	N	05/14/08	65	< 0.1 U	16600	5300	< 0.1 U	7.4 J	65	13300	27.6 J	< 0.2 U	137
Shallow	MW-4	No	58	N	09/16/09	69	< 0.31 U	17200	1290	< 0.31 U	7.4	69 J-CAB&TDS	14400 J-CAB&TDS	18.4	1.3	33
Shallow	MW-4	Yes	58	N	09/16/09	70	< 0.31 U	--	--	< 0.31 U	--	70	--	--	--	--
Shallow	PC-108	No	37	N	05/09/06	656	< 4.9 U	2810 J-	960	< 2.5 U	6.7 J-	656	2410	224	11.6	817 J
Shallow	PC-108	No	38	N	08/07/06	410	< 2.5 U	2720	680	< 2.5 U	7.5 J	410	2220	107 J+	< 24 U	20 J
Shallow	PC-108	No	42	N	10/27/06	342	< 2.5 U	2910	960	< 2.5 U	6.4 J-	342	2500	86.2 J-	< 0.47 U	28
Shallow	PC-108	No	44	N	02/09/07	460	< 2.5 U	2420 J+	910	< 2.5 U	7.2 J-	460	2520	120	11.4	14 J-
Shallow	PC-108	No	51	N	05/01/08	399 J-CAB	< 0.1 U	3890	1020	< 0.1 U	7.3 J	399 J-CAB	2810	112 J	16.6 J	18
Shallow	PC-108	No	58	N	09/16/09	420	< 0.61 U	4430	1050	< 0.31 U	6.2	420 J-TDS	1700 J-TDS	162	11.8	78
Shallow	PC-108	Yes	58	N	09/16/09	407	< 0.61 U	--	--	< 0.31 U	--	407	--	--	--	--
Shallow	PC-2	No	37	N	05/03/06	116	< 2.5 U	3870 J-	1720	< 2.5 U	7 J-	116	4450	21.5 J+	3.1	1
Shallow	PC-2	No	38	N	08/03/06	150	< 2.5 U	4220	2400	< 2.5 U	5.6 J	150	4700	70.2 J+	989	1060
Shallow	PC-2	No	42	N	10/24/06	86	< 2.5 U	4570	1770	< 2.5 U	7.6 J-	86	5460	< 0.22 UJ	< 0.47 U	32
Shallow	PC-2	No	44	N	02/07/07	114	< 2.5 U	4030 J+	2350	< 2.5 U	7.2 J-	114	4070	< 11 U	< 0.76 U	3
Shallow	PC-2	No	51	N	04/25/08	109 J-CAB	< 0.1 U	8310	2660	< 0.1 U	7.6 J	109 J-CAB	5870	35.1 J	< 10 U	6
Shallow	PC-2	No	58	N	08/19/09	87	< 0.31 U	7460	2390	< 0.31 U	7.4	87	6000	14.8	1.3	25
Shallow	PC-2	Yes	58	N	08/19/09	84	< 0.31 U	--	--	< 0.31 U	--	84	--	--	--	--
Shallow	PC-24	No	44	N	02/16/07	80	< 2.5 U	14000	5250	< 2.5 U	7.5 J-	80	12700	< 11 U	< 0.16 U	21
Shallow	PC-24	No	51	N	05/05/08	96 J-CAB	< 0.1 U	16700	5850	< 0.1 U	7.3 J	96 J-CAB	13100 J-	21 J+	< 0.2 U	19
Shallow	PC-24	No	58	N	08/20/09	83	< 0.31 U	13400	2080	< 0.31 U	7.1 J	83	9800	21.1	3.8	28 J
Shallow	PC-24	Yes	58	N	08/20/09	79	< 0.31 U	--	--	< 0.31 U	--	79	--	--	--	--
Shallow	PC-28	No	44	N	02/21/07	88	< 2.5 U	8130	2680	< 2.5 U	7.3 J-	88	7480	< 11 UJ	2.3	23
Shallow	PC-28	No	51	N	05/05/08	85	< 0.1 U	8470	2650	< 0.1 U	7.2	85	7370	19.2 J+	< 0.2 U	22
Shallow	PC-28	No	58	N	08/20/09	93	< 0.31 U	8440	2520	< 0.31 U	7.4 J	93	6600	21.8	3.8	16 J
Shallow	PC-28	Yes	58	N	08/20/09	92	< 0.31 U	--	--	< 0.31 U	--	92	--	--	--	--
Shallow	PC-4	No	37	N	05/03/06	126	< 2.5 U	6230 J-	2900	< 2.5 U	6.2 J-	126	6750	42.8 J+	2.1	47
Shallow	PC-4	No	38	N	08/04/06	120	< 2.5 U	6330	2920	< 2.5 U	6.2 J	120	7220	< 0.22 U	845	58 J
Shallow	PC-4	No	42	N	10/23/06	96	< 2.5 U	5980	2920	< 2.5 U	7.2 J-	96	6660	< 0.22 UJ	< 0.47 U	46
Shallow	PC-4	No	44	N	02/06/07	104	< 2.5 U	9060 J-	2980	< 2.5 U	7.1 J-	104	6930	< 11 U	0.99 J	25
Shallow	PC-4	No	51	N	04/28/08	150	< 0.1 U	8890	3020	< 0.1 U	5.5 J	150	8400	132	< 10 U	125 J
Shallow	PC-4	No	58	N	08/19/09	95	< 0.31 U	9140	2840	< 0.31 U	7 J	95	7400	16.6	1.4	39
Shallow	PC-4	Yes	58	N	08/19/09	89	< 0.31 U	--	--	< 0.31 U	--	89	--	--	--	--
Shallow	PC-67	No	44	N	02/16/07	128	< 2.5 U	19300	3790	< 2.5 U	7.4 J	128	14000	< 11 U	< 0.16 U	119
Shallow	PC-67	No	51	N	05/06/08	125 J-CAB	< 0.1 U	17600	3710	< 0.1 U	7.4 J	125 J-CAB	12600 J-	45.5 J+	< 0.2 U	110
Shallow	PC-67	No	58	N	09/09/09	144	< 0.31 U	18400	3210	< 0.31 U	5.6 J	144 J-TDS	11000 J-TDS	70.9	2.3	609
Shallow	PC-67	Yes	58	N	09/09/09	132	< 0.31 U	--	--	< 0.31 U	--	132	--	--	--	--
Shallow	PC-76	No	44	N	02/28/07	--	--	--	2400	--	--	--	--	--	--	--
Shallow	PC-76	No	51	N	05/14/08	249	< 0.1 U	6240	1940	< 0.1 U	5.7 J	249	6340 J-	308 J+	< 10 U	26
Shallow	PC-76	No	58	N	09/21/09	187	< 0.31 U	5820	1960	< 0.31 U	7.4 J	187	4400	49.4	1.8	10
Shallow	PC-76	Yes	58	N	09/21/09	185	< 0.31 U	--	--	< 0.31 U	--	185	--	--	--	--
Shallow	PC-79	No	37	N	05/04/06	240	< 2.5 U	2970 J-	1060	< 2.5 U	7.8 J-	240	2790	48.1 J+	6.1	15
Shallow	PC-79	No	38	N	08/04/06	220	< 2.5 U	3340	1240	< 2.5 U	6.7 J	220	3070	60.1 J+	914	30 J
Shallow	PC-79	No	42	N	10/25/06	243	< 2.5 U	2940	1040	< 2.5 U	7.2 J-	243	2840	56.8 J-	< 0.47 U	106
Shallow	PC-79	No	44	N	02/08/07	264	< 2.5 U	2340 J+	1230	< 2.5 U	7.3 J-	264	2740	< 11 U	5.9	82 J-
Shallow	PC-79	No	51	N	04/28/08	238	< 0.1 U	3690	980	< 0.1 U	7.2 J	238	3000	52.2	< 10 U	67
Shallow	PC-79	No	58	N	08/27/09	202	< 0.31 U	4330	1170	< 0.31 U	7.3 J	202 J-TDS	4400 J-TDS	52.4	4.6	19
Shallow	PC-79	Yes	58	N	08/27/09	209	< 0.31 U	--	--	< 0.31 U	--	209	--	--	--	--
Shallow	PC-80	No	37	N	05/04/06	340	< 2.5 U	2440 J-	720	< 2.5 U	8.2 J-	340	2090	56.9 J+	7.1	150

GENERAL WATER QUALITY RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Bicarbonate alkalinity	Carbonate alkalinity	Conductivity	Hardness	Hydroxide alkalinity	pH	Total Alkalinity	Total Dissolved Solids	Total Inorganic Carbon	Total Organic Carbon	Total Suspended Solids
					Units	mg/L	mg/L	umhos/cm	mg/L	mg/L	none	mg/L	mg/L	mg/L	mg/L	mg/L
					MCL	--	--	--	--	--	--	--	500	--	--	--
					BCL	--	--	--	--	--	--	--	--	--	--	--
Shallow	PC-80	No	38	N	08/08/06	324	< 2.5 U	2740	840	< 2.5 U	7.4 J	324	2140	75.8 J+	1130	436
Shallow	PC-80	No	42	N	10/25/06	282	< 2.5 U	2330	810	< 2.5 U	7.3 J-	282	2020	69.6 J-	< 0.47 U	900
Shallow	PC-80	No	44	N	02/05/07	< 2.5 U	< 2.5 U	3390	940	< 2.5 U	7.2 J-	< 2.5 U	1950	< 11 U	4.8	567
Shallow	PC-80	No	51	N	04/29/08	310	< 0.1 U	3130	720	< 0.1 U	7.4 J	310	2270	< 10 U	131 J	187
Shallow	PC-80	No	58	N	08/27/09	284	< 0.31 U	3210	678	< 0.31 U	7.3 J	284 J-CAB&TDS	2500 J-CAB&TDS	75.1	4.1	76
Shallow	PC-80	Yes	58	N	08/27/09	287	< 0.31 U	--	--	< 0.31 U	--	287	--	--	--	--
Shallow	PC-81	No	37	N	05/05/06	332	< 2.5 U	3600 J-	720	< 2.5 U	6.6 J-	332	3230	61 J+	< 0.47 U	43 J
Shallow	PC-81	No	38	N	08/08/06	332	< 2.5 U	3420	560	< 2.5 U	7.4 J	332	2520	86.4 J+	1150	17
Shallow	PC-81	No	42	N	10/26/06	310	< 2.5 U	2910	600	< 2.5 U	7.3 J-	310	2520	76.5 J-	< 0.47 U	14
Shallow	PC-81	No	44	N	02/08/07	340	< 2.5 U	4790 J+	1010	< 2.5 U	7.2 J-	340	3820	< 11 U	5.8	8 J-
Shallow	PC-81	No	51	N	04/29/08	342	< 0.1 U	3890	520	< 0.1 U	7.4 J	342	2860	93.8 J	12.6 J	41
Shallow	PC-81	No	58	N	09/01/09	324	< 0.31 U	3960	528	< 0.31 U	7.3 J	324 J-TDS	1300 J-TDS	82.9	4	38
Shallow	PC-81	Yes	58	N	09/01/09	325	< 0.31 U	--	--	< 0.31 U	--	325	--	--	--	--
Shallow	PC-88	No	51	N	04/30/08	257 J-CAB	< 0.1 U	6690	1180	< 0.1 U	7.2 J	257 J-CAB	4360	61 J	11.6 J	55
Shallow	PC-88	No	58	N	09/01/09	271	< 0.31 U	6320	1110	< 0.31 U	7.1 J	271 J-TDS	5700 J-TDS	70	4	9
Shallow	PC-88	Yes	58	N	09/01/09	266	< 0.31 U	--	--	< 0.31 U	--	266	--	--	--	--
Shallow	PC-90	No	38	N	08/24/06	226	< 2.5 U	--	1420	< 2.5 U	--	226	5110	< 0.22 U	< 24 U	106
Shallow	PC-90	No	42	N	10/26/06	231	< 2.5 U	--	1080	< 2.5 U	--	231	5990	< 0.22 UJ	< 0.47 U	31
Shallow	PC-90	No	44	N	02/05/07	< 2.5 U	< 2.5 U	--	2570	< 2.5 U	--	< 2.5 U	6600	< 11 U	3.4	97
Shallow	PC-90	No	51	N	05/01/08	208 J-CAB	< 0.1 U	--	598	< 0.1 U	--	208 J-CAB	4810	61 J	< 10 U	9
Shallow	PC-90	No	58	N	09/09/09	234	< 0.31 U	--	939	< 0.31 U	--	234 J-TDS	2100 J-TDS	31.2	3.2	9
Shallow	PC-90	Yes	58	N	09/09/09	239	< 0.31 U	--	--	< 0.31 U	--	239	--	--	--	--
Shallow	PC-94	No	37	N	05/05/06	146	< 2.5 U	3740 J-	1920	< 2.5 U	7.7 J-	146	4070	59.8 J+	3.7	37 J
Shallow	PC-94	No	38	N	08/07/06	134	< 2.5 U	3870	1860	< 2.5 U	5.8 J	134	4130	< 0.22 U	882	29 J
Shallow	PC-94	No	42	N	10/27/06	124	< 2.5 U	3420	1220	< 2.5 U	6.1 J-	124	3770	56.9 J-	< 0.47 U	65
Shallow	PC-94	No	44	N	02/02/07	127	< 2.5 U	2360 J-	1870	< 2.5 U	6.1 J-	127	3830	< 11 U	2.1	90
Shallow	PC-94	No	51	N	04/30/08	135	< 0.1 U	5210	2040	< 0.1 U	7.3 J	135	4160	31.9 J	14.6 J	24
Shallow	PC-94	No	58	N	09/09/09	116	< 0.31 U	7790	1570	< 0.31 U	7.1	116 J-TDS	3100 J-TDS	14.2	1.5	39
Shallow	PC-94	Yes	58	N	09/09/09	115	< 0.31 U	--	--	< 0.31 U	--	115	--	--	--	--
Shallow	POD2-R	No	37	N	05/08/06	142	< 2.5 U	4340 J-	2260	< 2.5 U	7.6 J-	142	5010	34.9 J+	< 0.47 U	24 J
Shallow	POD2-R	No	38	N	08/03/06	236	< 2.5 U	4600	2500	< 2.5 U	5.8 J	236	5090	63.1 J+	950	28
Shallow	POD2-R	No	42	N	10/20/06	127	< 2.5 U	4430	2350	< 2.5 U	7.5 J-	127	5430	--	< 0.47 U	27
Shallow	POD2-R	No	44	N	01/26/07	128	< 2.5 U	2470 J-	2500	< 2.5 U	7.4 J-	128	5500	< 11 U	1.3	4
Shallow	POD2-R	No	51	N	04/23/08	111 J-CAB	< 0.1 U	8040	2870	< 0.1 U	7.3 J	111 J-CAB	6170 J-	32.7 J	< 10 U	17
Shallow	POD2-R	No	58	N	09/14/09	103	< 0.31 U	8870	2680	< 0.31 U	7.4 J	103 J-TDS	5500 J-TDS	12.9	1.2	15
Shallow	POD2-R	Yes	58	N	09/14/09	102	< 0.31 U	--	--	< 0.31 U	--	102	--	--	--	--
Shallow	POD8	No	37	N	04/28/06	218	< 2.5 U	3760 J-	1880	< 2.5 U	6 J-	218	3720	57.6 J	1.8	25
Shallow	POD8	No	38	N	08/02/06	204	< 2.5 U	3840	300	< 2.5 U	6.7 J	204	3770	66 J+	974	109
Shallow	POD8	No	42	N	10/20/06	193	< 2.5 U	3320	1880	< 2.5 U	7.3 J-	193	3670	--	< 0.47 U	33
Shallow	POD8	No	44	N	01/26/07	208	< 2.5 U	2280 J-	1980	< 2.5 U	7.2 J-	208	3760	< 11 U	1.7	4
Shallow	POD8	No	51	N	04/23/08	217 J-CAB	< 0.1 U	5770	2290	< 0.1 U	6.4 J	217 J-CAB	4140 J-	101	< 10 U	8
Shallow	POD8	No	58	N	09/03/09	197	< 0.31 U	5270	1850	< 0.31 U	6.9	197 J-TDS	900 J-TDS	54	1.6	18
Shallow	POD8	Yes	58	N	09/03/09	191	< 0.31 U	--	--	< 0.31 U	--	191	--	--	--	--
Shallow	POU3	No	37	N	04/27/06	82	< 2.5 U	4540 J-	2130	< 2.5 U	5.8	82	5650	34.8 J	1.4	38
Shallow	POU3	No	38	N	07/31/06	66	< 2.5 U	7730	3560	< 2.5 U	7.4 J	66	8580	< 0.22 U	1010	52
Shallow	POU3	No	42	N	10/18/06	69	< 2.5 U	8420	3400	< 2.5 U	7.3 J-	69	7970	--	< 0.47 U	56
Shallow	POU3	No	44	N	01/25/07	70	< 2.5 U	3010 J-	3640	< 2.5 U	7.3 J-	70	9690	< 11 U	11.8	6
Shallow	POU3	No	51	N	04/22/08	68	< 0.1 U	12000	3240	< 0.1 U	7.4 J	68	9680	18.2 J	< 10 U	28
Shallow	POU3	No	58	N	09/22/09	64.8	< 0.31 U	11200	2010	< 0.31 U	7.4 J	64.8 J-CAB&TDS	7600 J-CAB&TDS	16.5	1.4	27
Shallow	POU3	Yes	58	N	09/22/09	64	< 0.31 U	--	--	< 0.31 U	--	64	--	--	--	--
Shallow	WMW5.58SD	No	44	N	02/06/07	316	< 2.5 U	174000 J+	58200	< 2.5 U	7.3 J-	316	152000	< 11 U	11.8	129
Shallow	WMW5.58SD	No	51	N	05/16/08	277	< 0.1 U	109000	55000	< 0.1 U	7.5 J	277	195000 J-	97.2 J-	13.4 J	288
Shallow	WMW5.58SD	No	58	N	09/09/09	304	< 0.31 U	112000	48900	< 0.31 U	7.5 J	304 J-TDS	142000 J-TDS	36.4	9.8	169 J
Shallow	WMW5.58SD	No	58	FD	09/09/09	305	< 0.31 U	114000	38500	< 0.31 U	7.5 J	305 J-CAB	138000	34.3	9.7	395 J
Shallow	WMW5.58SD	Yes	58	N	09/09/09	307	< 0.31 U	--	--	< 0.31 U	--	307	--	--	--	--
Shallow	WMW5.58SD	Yes	58	FD	09/09/09	301	< 0.31 U	--	--	< 0.31 U	--	301	--	--	--	--

GENERAL WATER QUALITY RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Bicarbonate alkalinity	Carbonate alkalinity	Conductivity	Hardness	Hydroxide alkalinity	pH	Total Alkalinity	Total Dissolved Solids	Total Inorganic Carbon	Total Organic Carbon	Total Suspended Solids
					Units	mg/L	mg/L	umhos/cm	mg/L	mg/L	none	mg/L	mg/L	mg/L	mg/L	mg/L
					MCL	--	--	--	--	--	--	--	500	--	--	--
					BCL	--	--	--	--	--	--	--	--	--	--	--
Shallow	WMW5.58SI	No	44	N	02/01/07	168	< 2.5 U	2400 J-	1050	< 2.5 U	7.8 J-	168	2300	< 11 U	2.4	8
Shallow	WMW5.58SI	No	51	N	05/15/08	174	< 0.1 U	3400	1030	< 0.1 U	6.1 J	174	2300	117	10.2 J	17
Shallow	WMW5.58SI	No	58	N	09/03/09	176	< 0.31 U	133000	609	< 0.31 U	7.5	R-CAB&TDS	R-CAB&TDS	42.8	2.5	61
Shallow	WMW5.58SI	Yes	58	N	09/03/09	171	< 0.31 U	--	--	< 0.31 U	--	171	--	--	--	--
Shallow	WMW5.58SS	No	44	N	01/31/07	143	< 2.5 U	23400 J-	700	< 2.5 U	7.7 J-	143	1720	< 11 U	3.1	< 1 U
Shallow	WMW5.58SS	No	51	N	05/15/08	141	< 0.1 U	2410	628	< 0.1 U	6.8 J	141	1460	43.6 J	10 J	7
Shallow	WMW5.58SS	No	58	N	09/03/09	153	< 0.31 U	2220	292	< 0.31 U	7.5 J	153 J-TDS	1000 J-TDS	37.3	2.8	17
Shallow	WMW5.58SS	Yes	58	N	09/03/09	152	< 0.31 U	--	--	< 0.31 U	--	152	--	--	--	--
Middle	COH-1	No	44	N	02/12/07	110	< 2.5 U	142000	34500	< 2.5 U	7.6 J-	110	114000	< 11 U	5.2	62
Middle	COH-1	No	51	N	05/12/08	83	< 0.1 U	82400	37800	< 0.1 U	7.5 J	83	104000 J-	18.4 J	< 0.2 U	168
Middle	COH-1	No	58	N	09/28/09	100	< 0.31 U	155000	34900	< 0.31 U	8.2 J	100	117000	16.1	5.4	80
Middle	COH-1	Yes	58	N	09/28/09	99.6	< 0.31 U	155000	--	< 0.31 U	--	99.6	--	--	--	--
Middle	COH-2	No	44	N	01/30/07	105	< 2.5 U	16100 J-	38800	< 2.5 U	7.4 J-	105	105000	< 11 U	3.9	129
Middle	COH-2	No	51	N	05/09/08	104	< 0.1 U	89800	33400	< 0.1 U	7.5 J	104	101000 J-	29.3 J	< 0.2 U	143
Middle	COH-2	No	58	N	08/13/09	95	< 0.31 U	85000	31900	< 0.31 U	7.5 J	95	89900	16.2	4	77
Middle	COH-2	Yes	58	N	08/13/09	96	< 0.31 U	--	--	< 0.31 U	--	96	--	--	--	--
Middle	MCF-02B	No	27	N	07/25/04	< 5 U	186	3030	560	313	11.9 J	--	1240 J-	22.5	8.4	16 J
Middle	MCF-02B	No	37	N	05/05/06	74	< 2.5 U	1100 J-	420	< 2.5 U	8.1 J-	74	622	15.5 J+	< 0.47 U	< 1 UJ
Middle	MCF-02B	No	38	N	08/21/06	86	< 2.5 U	1030	92	< 2.5 U	8.1 J	86	620	< 0.22 U	< 24 U	3 J
Middle	MCF-02B	No	42	N	11/03/06	77	< 2.5 U	1110	118	< 2.5 U	8 J-	77	650	< 0.22 U	< 24 U	5
Middle	MCF-02B	No	44	N	02/20/07	40	< 2.5 U	9980	108	< 2.5 U	8 J-	105	638	< 11 U	0.24 J	< 1 U
Middle	MCF-02B	No	51	N	04/24/08	95 J-CAB	< 0.1 U	1080	156	< 0.1 U	7.9 J	95 J-CAB	766	23.1 J	< 10 U	1
Middle	MCF-02B	No	58	N	08/21/09	98	< 0.31 U	1090	96.8	< 0.31 U	7.6 J	98 J-TDS	2200 J-TDS	25.3	< 0.22 U	3 J
Middle	MCF-02B	Yes	58	N	08/21/09	96	< 0.31 U	--	--	< 0.31 U	--	96	--	--	--	--
Middle	MCF-05	No	27	N	07/25/04	34	238	14000	47600	< 5 U	9.4 J	--	116000 J-	11.9	19.6	484 J
Middle	MCF-05	No	37	N	05/17/06	164	< 2.5 U	138000 J-	64000	< 2.5 U	8.3 J-	164	47600	22.4 J-	< 24 U	78
Middle	MCF-05	No	38	N	08/10/06	130	< 2.5 U	13100	61400	< 2.5 U	7.8 J	130	149000	< 0.22 UJ	1060	168
Middle	MCF-05	No	42	N	11/14/06	150	< 2.5 U	15300	58600	< 2.5 U	7.9 J-	150	171000	< 0.22 U	< 24 U	690
Middle	MCF-05	No	44	N	01/31/07	141	< 2.5 U	2520 J-	22000	< 2.5 U	8 J-	141	161000	< 11 U	5.2	120
Middle	MCF-05	No	51	N	04/30/08	144	< 0.1 U	106000	64000	< 0.1 U	7.8 J	144	165000 J-	35.3 J	< 10 U	246
Middle	MCF-05	No	58	N	08/28/09	127	< 0.31 U	105000	64200	< 0.31 U	7.7 J	127 J-TDS	180000 J-TDS	23.9	7	71
Middle	MCF-05	Yes	58	N	08/28/09	136	< 0.31 U	--	--	< 0.31 U	--	136	--	--	--	--
Middle	MCF-08B-R	No	58	N	08/21/09	70	< 0.31 U	31400	9050	< 0.31 U	7.2 J	70 J-TDS	24800 J-TDS	15.8	0.98 J	8 J
Middle	MCF-08B-R	No	58	FD	08/21/09	76	< 0.31 U	32900	8680	< 0.31 U	7.4 J	76	30700	14.9	1.2	25 J
Middle	MCF-08B-R	Yes	58	N	08/21/09	69	< 0.31 U	--	--	< 0.31 U	--	69	--	--	--	--
Middle	MCF-08B-R	Yes	58	FD	08/21/09	69	< 0.31 U	--	--	< 0.31 U	--	69	--	--	--	--
Middle	MCF-09B	No	27	N	07/20/04	64	< 5 U	3640	2200	< 5 U	7.9	--	3640 J-	11.3	1.2	113
Middle	MCF-09B	No	37	N	05/03/06	70	< 2.5 U	2910 J-	1440	< 2.5 U	7.4 J-	70	3390	12.6 J+	1.7	19
Middle	MCF-09B	No	38	N	08/04/06	70	< 2.5 U	3040	1700	< 2.5 U	7.2 J	70	3510	< 0.22 U	941	17 J
Middle	MCF-09B	No	42	N	10/25/06	65	< 2.5 U	2940	1180	< 2.5 U	7.1 J-	65	3420	< 0.22 UJ	< 0.47 U	18
Middle	MCF-09B	No	44	N	02/12/07	84	< 2.5 U	3250	1610	< 2.5 U	7.1 J-	84	3620	< 11 U	< 0.76 U	4
Middle	MCF-09B	No	51	N	04/25/08	59 J-CAB	< 0.1 U	3930	1540	< 0.1 U	7.5 J	59 J-CAB	3970	11.9 J	< 10 U	5
Middle	MCF-09B	No	58	N	08/17/09	71	< 0.31 U	3910	1620	< 0.31 U	7.3 J	71	3000 J-TDS	12.2	< 0.22 U	5
Middle	MCF-09B	No	58	FD	08/17/09	70	< 0.31 U	3920	1560	< 0.31 U	7.3 J	70 J-TDS	2200 J-TDS	12.4	< 0.22 U	5
Middle	MCF-09B	Yes	58	N	08/17/09	69	< 0.31 U	--	--	< 0.31 U	--	69	--	--	--	--
Middle	MCF-09B	Yes	58	FD	08/17/09	69	< 0.31 U	--	--	< 0.31 U	--	69	--	--	--	--
Middle	MCF-10B	No	27	N	07/21/04	1010	8540	5400	1440	< 5 U	11.8	--	2610 J-	1.1	7.8	811
Middle	MCF-10B	No	37	N	05/18/06	30	< 2.5 U	2270 J-	980	< 2.5 U	8.3 J-	30	2050	< 0.22 U	< 24 U	9
Middle	MCF-10B	No	38	N	08/15/06	30	< 2.5 U	2280 J+	1200	< 2.5 U	8 J	30	2030	< 0.22 U	3480	6
Middle	MCF-10B	No	42	N	11/10/06	35	< 2.5 U	2520	1200	< 2.5 U	7.8 J-	35	2050	< 0.22 U	< 24 U	8
Middle	MCF-10B	No	44	N	02/27/07	53	< 2.5 U	2850	1180	< 2.5 U	7.6 J-	53	2150	< 11 UJ	< 0.16 U	7
Middle	MCF-10B	No	51	N	05/08/08	54	< 0.1 U	2800	1040	< 0.1 U	7.8 J	54	2080	< 0.22 U	< 0.2 U	8
Middle	MCF-10B	No	58	N	08/18/09	51	< 0.31 U	2700	1050	< 0.31 U	7.5	51	2200	8.6	0.24 J	2 J
Middle	MCF-10B	Yes	58	N	08/18/09	52	< 0.31 U	--	--	< 0.31 U	--	52	--	--	--	--
Middle	MCF-11	No	27	N	07/27/04	90	< 5 U	3720	1700	< 5 U	8	--	3260 J-	12	0.62 J	14 J-
Middle	MCF-11	No	37	N	05/16/06	86	< 2.5 U	3130 J-	1480	< 2.5 U	7.3 J-	86	3470	15.9	< 24 U	< 1 U

GENERAL WATER QUALITY RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Bicarbonate alkalinity	Carbonate alkalinity	Conductivity	Hardness	Hydroxide alkalinity	pH	Total Alkalinity	Total Dissolved Solids	Total Inorganic Carbon	Total Organic Carbon	Total Suspended Solids
					Units	mg/L	mg/L	umhos/cm	mg/L	mg/L	none	mg/L	mg/L	mg/L	mg/L	mg/L
					MCL	--	--	--	--	--	--	--	500	--	--	--
					BCL	--	--	--	--	--	--	--	--	--	--	--
Middle	MCF-11	No	38	N	08/18/06	88	< 2.5 U	3190	1460 J-	< 2.5 U	7.4 J	88	3250	< 0.22 U	3270	6 J
Middle	MCF-11	No	42	N	10/27/06	90	< 2.5 U	3190	1100	< 2.5 U	7.1 J-	90	3350	< 0.22 UJ	< 0.47 U	< 1 U
Middle	MCF-11	No	44	N	02/23/07	75	< 2.5 U	4280	1510	< 2.5 U	7.3 J-	75	3520	< 11 UJ	< 0.16 U	3
Middle	MCF-11	No	51	N	05/07/08	80 J-CAB	< 0.1 U	4370	1620	< 0.1 U	7.5 J	80 J-CAB	3510	17.5 J+	< 0.2 U	3
Middle	MCF-11	No	58	N	08/17/09	100	< 0.31 U	4190	1590	< 0.31 U	7.4	100 J-TDS	2700 J-TDS	14.7	0.39 J	4
Middle	MCF-11	Yes	58	N	08/17/09	99	< 0.31 U	--	--	< 0.31 U	--	99	--	--	--	--
Middle	MCF-12C	No	27	N	07/21/04	77	< 5 U	2630	1080	< 5 U	7.9	--	2290 J-	8.2	< 1 U	638
Middle	MCF-12C	No	37	N	05/22/06	22	< 2.5 U	2060	690	< 2.5 U	8.9 J-	22	1690	< 0.22 UJ	< 24 U	12
Middle	MCF-12C	No	38	N	08/10/06	76	< 2.5 U	2210	920	< 2.5 U	7.6 J	76	1820	< 0.22 UJ	1090	< 1 U
Middle	MCF-12C	No	42	N	11/03/06	51	< 2.5 U	2180	950	< 2.5 U	7.2 J-	51	2010	< 0.22 U	< 24 U	10 J
Middle	MCF-12C	No	44	N	02/22/07	65	< 2.5 U	2510	1120	< 2.5 U	7.6 J-	65	2100	< 11 UJ	0.31 J	2
Middle	MCF-12C	No	51	N	05/09/08	77 J-CAB	< 0.1 U	2740	940	< 0.1 U	8.1 J	77 J-CAB	1990	14.4 J	< 0.2 U	3
Middle	MCF-12C	No	58	N	08/19/09	72	< 0.31 U	2520	862	< 0.31 U	7.2 J	72 J-TDS	1000 J-TDS	12.5	0.79 J	5
Middle	MCF-12C	Yes	58	N	08/19/09	71	< 0.31 U	--	--	< 0.31 U	--	71	--	--	--	--
Middle	MCF-16B	No	27	N	07/23/04	< 5 U	4940	6000	1720	1290	11.6	--	9070	1.8	9.9	1370
Middle	MCF-16B	No	37	N	05/19/06	160	< 2.5 U	6150 J-	21600	< 2.5 U	7.9 J-	160	64800	29.1 J-	< 24 U	34
Middle	MCF-16B	No	38	N	08/23/06	160	< 2.5 U	70000	23100	< 2.5 U	7.9 J	160	70000	< 0.22 U	< 24 U	324
Middle	MCF-16B	No	42	N	11/06/06	140	< 2.5 U	66600	20000	< 2.5 U	8. J-	140	72200	< 0.22 U	< 24 U	306
Middle	MCF-16B	No	44	N	02/20/07	139	< 2.5 U	89400	13400	< 2.5 U	7.9 J-	139	74400	< 11 U	3.6	100
Middle	MCF-16B	No	51	N	05/19/08	143	< 0.1 U	56100	24700	< 0.1 U	6 J	143	71900 J-	52.4	< 10 U	21
Middle	MCF-16B	No	58	N	09/30/09	146	< 0.31 U	55700	26100	< 0.31 U	7.8 J	146 J-CAB&TDS	64300 J-CAB&TDS	37.1	3.1	90
Middle	MCF-16B	Yes	58	N	09/30/09	146	< 0.31 U	55100	--	< 0.31 U	--	146	--	--	--	--
Middle	MCF-24B	No	58	N	10/05/09	134	< 0.31 U	25500	11200	< 0.31 U	6.3 J	134 J-TDS	27500 J-TDS	47.6	15.5	46
Middle	MCF-24B	Yes	58	N	10/05/09	346	< 0.31 U	21800	--	< 0.31 U	--	346	--	--	--	--
Middle	MCF-28B	No	58	N	10/01/09	80.4	< 0.31 U	54900	17300	< 0.31 U	7.4 J	80.4 J-TDS	45300 J-TDS	23.1	3.3	24
Middle	MCF-28B	Yes	58	N	10/01/09	80	< 0.31 U	54700	--	< 0.31 U	--	80	--	--	--	--
Middle	MCF-29B	No	58	N	10/09/09	116	< 0.31 U	107000	42200	< 0.31 U	7.5	116	119000 J-TDS	25.3	10.7	211
Middle	MCF-29B	Yes	58	N	10/09/09	118	< 0.31 U	107000	--	< 0.31 U	--	118	--	--	--	--
Middle	MCF-30B	No	58	N	10/05/09	186	120	137000	49400	< 0.31 U	8.8 J	306 J-CAB&TDS	168000 J-CAB&TDS	26.3	9.1	706
Middle	MCF-30B	Yes	58	N	10/05/09	130	119	136000	--	< 0.31 U	--	250	--	--	--	--
Middle	MCF-31B	No	58	N	10/09/09	126	< 0.31 U	98400	31000	< 0.31 U	7.4	126	89700 J-TDS	32.6	15.7	151
Middle	MCF-31B	Yes	58	N	10/09/09	136	< 0.31 U	99600	--	< 0.31 U	--	136	--	--	--	--
Middle	MCF-32B	No	58	N	10/02/09	62.8	< 0.31 U	3210	1970	< 0.31 U	6 J	62.8 J-CAB&TDS	2900 J-CAB&TDS	28	1.1	10
Middle	MCF-32B	Yes	58	N	10/02/09	63.6	< 0.31 U	3210	--	< 0.31 U	--	63.6 J-	--	--	--	--
Deep	MCF-01A	No	27	N	07/25/04	< 5 U	386	6090	1440	1270	12.1 J	--	2660 J-	0.7 J	13.3	183 J
Deep	MCF-01A	No	37	N	05/30/06	18	8	3100 J-	1580	4 J	9.8 J-	26	3570	< 0.22 UJ	< 24 U	24
Deep	MCF-01A	No	38	N	08/07/06	8	8	3020	1640	4 J	9.3 J	16	4020	< 0.22 U	< 24 U	20 J
Deep	MCF-01A	No	42	N	10/24/06	31	8	3210	1640	4 J	8.9 J-	39	4060	< 0.22 UJ	< 0.47 U	22
Deep	MCF-01A	No	44	N	02/02/07	143	< 2.5 U	2360 J-	2000	< 2.5 U	8.4 J-	143	3930	< 11 U	< 0.76 U	19
Deep	MCF-01A	No	51	N	04/28/08	49	< 0.1 U	321	1940	< 0.1 U	8 J	49	4490	< 11 U	< 10 U	5
Deep	MCF-01A	No	58	N	08/10/09	35	< 0.31 U	4240	1820	< 0.31 U	6.9 J	35	3900	6.9	0.56 J	4
Deep	MCF-01A	Yes	58	N	08/10/09	34	< 0.31 U	--	--	< 0.31 U	--	34	--	--	--	--
Deep	MCF-02A	No	27	N	07/15/04	70	< 5 U	957	104	< 5 U	8	--	619 J-	< 1 U	< 1 U	1090
Deep	MCF-02A	No	37	N	05/10/06	64	< 2.5 U	1100	80	< 2.5 U	8.1 J-	64	494	14.9 J+	< 0.47 U	4
Deep	MCF-02A	No	38	N	08/04/06	208	< 2.5 U	984	40	< 2.5 U	7.7 J	208	560	< 0.22 U	980	1 J
Deep	MCF-02A	No	42	N	11/07/06	85	< 2.5 U	1090	40	< 2.5 U	7.9 J-	85	492	< 0.22 U	< 24 U	7
Deep	MCF-02A	No	44	N	02/15/07	74	< 2.5 U	975	62	< 2.5 U	7.7 J-	74	623	< 11 U	< 0.16 U	1
Deep	MCF-02A	No	51	N	05/02/08	73	< 0.1 U	2420	362	< 0.1 U	7.2 J	73	570	15.4 J	< 10 U	2
Deep	MCF-02A	No	58	N	08/21/09	72	< 0.31 U	974	79.7	< 0.31 U	7.6 J	72 J-TDS	1100 J-TDS	17.7	0.37 J	2 J
Deep	MCF-02A	Yes	58	N	08/21/09	76	< 0.31 U	--	--	< 0.31 U	--	76	--	--	--	--
Deep	MCF-03A	No	27	N	07/13/04	98	< 5 U	1180 J	208	< 5 U	7.9 J	--	770	< 1 U	< 1 U	620
Deep	MCF-03A	No	37	N	06/07/06	56	< 2.5 U	1200 J-	900	< 2.5 U	8.4 J-	56	694	25.8 J-	< 0.47 U	3830 J
Deep	MCF-03A	No	38	N	08/14/06	80	< 2.5 U	1150	100	< 2.5 U	6.9 J	80	631	< 0.22 U	3690	40
Deep	MCF-03A	No	42	N	11/02/06	54	< 2.5 U	1170	138	< 2.5 U	6.6 J-	54	627	< 0.22 U	< 24 U	8 J
Deep	MCF-03A	No	44	N	02/27/07	55	< 2.5 U	1200	176	< 2.5 U	7 J-	55	640	< 11 UJ	< 0.16 U	6
Deep	MCF-03A	No	51	N	04/24/08	69 J-CAB	< 0.1 U	1110	128	< 0.1 U	8	69 J-CAB	683	14 J	< 10 U	54

GENERAL WATER QUALITY RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Bicarbonate alkalinity	Carbonate alkalinity	Conductivity	Hardness	Hydroxide alkalinity	pH	Total Alkalinity	Total Dissolved Solids	Total Inorganic Carbon	Total Organic Carbon	Total Suspended Solids
					Units	mg/L	mg/L	umhos/cm	mg/L	mg/L	none	mg/L	mg/L	mg/L	mg/L	mg/L
					MCL	--	--	--	--	--	--	--	500	--	--	--
					BCL	--	--	--	--	--	--	--	--	--	--	--
Deep	MCF-03A	No	58	N	08/13/09	67	< 0.31 U	1170	113	< 0.31 U	7.8 J	67 J-CAB&TDS	700	12.3	0.41 J	13
Deep	MCF-03A	Yes	58	N	08/13/09	66	< 0.31 U	--	--	< 0.31 U	--	66	--	--	--	--
Deep	MCF-04	No	27	N	07/13/04	26	14	4320 J	400	< 5 U	8.6 J	--	4080	0.23 J	< 1 U	10
Deep	MCF-04	No	37	N	05/10/06	40	< 2.5 U	4450	1810	< 2.5 U	7.7 J-	40	4740	7.3 J+	8.8	28
Deep	MCF-04	No	38	N	08/15/06	24	< 2.5 U	4240 J+	1120	< 2.5 U	7.5 J	24	4580	< 0.22 U	3530	4
Deep	MCF-04	No	42	N	11/08/06	33	< 2.5 U	4930	1920	< 2.5 U	7.3 J-	33	4940	< 0.22 U	< 24 U	27
Deep	MCF-04	No	44	N	02/20/07	40	< 2.5 U	5100	2000	< 2.5 U	7.2 J-	40	4910	< 11 U	0.39 J	5
Deep	MCF-04	No	51	N	04/30/08	38	< 0.1 U	5840	1880	< 0.1 U	7.3 J	38	5380	< 0.22 UJ	< 10 U	6
Deep	MCF-04	No	58	N	08/28/09	41	< 0.31 U	5570	1780	< 0.31 U	7.3 J	41	64700	8.8	0.29 J	36
Deep	MCF-04	Yes	58	N	08/28/09	40	< 0.31 U	--	--	< 0.31 U	--	40	--	--	--	--
Deep	MCF-06A-R	No	58	N	09/21/09	90.4	< 0.31 U	137000	66500	< 0.31 U	6.6 J	90.4 J-TDS	178000 J-TDS	29	8.3	347
Deep	MCF-06A-R	Yes	58	N	09/21/09	90.8	< 0.31 U	--	--	< 0.31 U	--	90.8	--	--	--	--
Deep	MCF-07	No	27	N	07/24/04	185	< 5 U	12800	38200	< 5 U	7.9 J	--	105000 J-	10.4	1.1	1660 J
Deep	MCF-07	No	38	N	08/30/06	198	< 2.5 U	169000	66600	< 2.5 U	7.1 J	198	174000	< 0.22 U	< 0.47 UJ	265
Deep	MCF-07	No	42	N	11/10/06	141	< 2.5 U	199000	70000	< 2.5 U	6.9 J-	141	182000	< 0.22 U	< 24 U	826
Deep	MCF-07	No	44	N	02/23/07	162	< 2.5 U	375000	72800	< 2.5 U	7.1 J-	162	193000	< 11 UJ	10.1	202
Deep	MCF-07	No	51	N	05/02/08	140 J-CAB	< 0.1 U	12100	68400	< 0.1 U	8.1 J	140 J-CAB	197000 J-	41.4 J	19.2 J	231
Deep	MCF-07	No	58	N	09/11/09	R	R	R	R	R	R	R	R	R	R	R
Deep	MCF-07	Yes	58	N	09/11/09	R	R	--	--	R	--	R	--	--	--	--
Deep	MCF-08A	No	27	N	07/18/04	37	< 5 U	7650	9800	< 5 U	7.6	--	46400 J-	9.8 J-	0.65 J	4 J-
Deep	MCF-08A	No	37	N	06/07/06	106	< 2.5 U	1300 J-	37000	< 2.5 U	7.2 J-	106	110000	< 11 UJ	< 0.47 U	532 J
Deep	MCF-08A	No	38	N	08/23/06	110	< 2.5 U	128000	28500	< 2.5 U	7.2 J	110	113000	< 0.22 U	< 24 U	509
Deep	MCF-08A	No	42	N	11/10/06	91	< 2.5 U	170000	29500	< 2.5 U	7.4 J-	91	113000	< 0.22 U	< 24 U	516
Deep	MCF-08A	No	44	N	02/08/07	128	< 2.5 U	135000 J+	24900	< 2.5 U	7.2 J-	128	116000	< 11 U	< 0.76 U	76 J-
Deep	MCF-08A	No	51	N	05/06/08	111 J-CAB	< 0.1 U	11800	32100	< 0.1 U	7.3 J	111 J-CAB	116000 J-	24 J+	< 0.2 U	133
Deep	MCF-08A	No	58	N	08/31/09	98.4	< 0.31 U	116000	24800	< 0.31 U	7.3 J	98.4 J-CAB&TDS	99800 J-CAB&TDS	22.2	2.9	121
Deep	MCF-08A	Yes	58	N	08/31/09	98.2	< 0.31 U	--	--	< 0.31 U	--	98.2	--	--	--	--
Deep	MCF-09A	No	27	N	07/19/04	56	< 5 U	14300	8800	< 5 U	7.9	--	25600 J-	10.5	2.4	11 J-
Deep	MCF-09A	No	37	N	05/16/06	66	< 2.5 U	30100 J-	11000	< 2.5 U	7.4 J-	66	< 3.5 U	12.8	< 24 U	19
Deep	MCF-09A	No	38	N	08/10/06	60	< 2.5 U	28900	9300	< 2.5 U	7.4 J	60	24800	< 0.22 UJ	1040	33
Deep	MCF-09A	No	42	N	10/24/06	89	< 2.5 U	19500	9000	< 2.5 U	7.6 J-	89	26800	< 0.22 UJ	< 0.47 U	98
Deep	MCF-09A	No	44	N	02/12/07	72	< 2.5 U	21600	9950	< 2.5 U	7.4 J-	72	30700	< 11 U	< 0.76 U	21
Deep	MCF-09A	No	51	N	04/28/08	71	< 0.1 U	27800	9200	< 0.1 U	7.1 J	71	--	16.6 J	< 10 U	35
Deep	MCF-09A	No	58	N	08/17/09	81	< 0.31 U	27100	1220	< 0.31 U	7.4 J	81 J-CAB&TDS	22100 J-CAB&TDS	12.3	1.4	25
Deep	MCF-09A	Yes	58	N	08/17/09	75	< 0.31 U	--	--	< 0.31 U	--	75	--	--	--	--
Deep	MCF-10A	No	27	N	07/21/04	27	48	6450	2160	< 5 U	8.7	--	5900 J-	4.9	2	8560
Deep	MCF-10A	No	37	N	05/31/06	40	< 2.5 U	6410 J-	2400	< 2.5 U	7.6 J-	40	8080	< 0.22 UJ	36.2 J	34
Deep	MCF-10A	No	38	N	08/21/06	40	< 2.5 U	6280	2380 J-	< 2.5 U	7.6 J	40	6800	< 0.22 U	< 24 U	< 1 UJ
Deep	MCF-10A	No	42	N	11/14/06	41	< 2.5 U	7340	3000	< 2.5 U	7.8 J-	41	7700	< 0.22 U	< 24 U	162
Deep	MCF-10A	No	44	N	02/16/07	40	< 2.5 U	7560	2460	< 2.5 U	7.5 J-	40	7270	< 11 U	< 0.16 U	8
Deep	MCF-10A	No	51	N	05/23/08	50 J-CAB	< 0.1 U	8850	2450	< 0.1 U	7.4 J	50 J-CAB	5400 J-	< 11 U	< 10 U	12
Deep	MCF-10A	No	58	N	08/31/09	36	< 0.31 U	9430	2290	< 0.31 U	7.8 J	R-CAB&TDS	R-CAB&TDS	8.6	0.72 J	13
Deep	MCF-10A	Yes	58	N	08/31/09	38	< 0.31 U	--	--	< 0.31 U	--	38	--	--	--	--
Deep	MCF-12A	No	27	N	07/22/04	< 5 U	58	6750	2080	6	9.3	--	4770 J-	5.1	4.7	500
Deep	MCF-12A	No	37	N	05/18/06	36	< 2.5 U	5770 J-	3000	< 2.5 U	7.7 J-	36	5950	< 0.22 U	< 24 U	8
Deep	MCF-12A	No	38	N	08/10/06	50	< 2.5 U	6020	2200	< 2.5 U	7.6 J	50	5900	< 0.22 UJ	944	7
Deep	MCF-12A	No	42	N	11/10/06	43	< 2.5 U	6570	3250	< 2.5 U	7.5 J-	43	7580	< 0.22 U	< 24 U	35
Deep	MCF-12A	No	44	N	02/23/07	48	< 2.5 U	7610	2430	< 2.5 U	7.6 J-	48	6320	< 11 UJ	< 0.16 U	1
Deep	MCF-12A	No	51	N	05/08/08	47 J-CAB	< 0.1 U	7940	2160	< 0.1 U	7.5 J	47 J-CAB	6200	< 0.22 U	< 0.2 U	6
Deep	MCF-12A	No	58	N	08/27/09	77	< 0.31 U	7820	2130	< 0.31 U	7.4 J	77	7300	11.7	0.64 J	8
Deep	MCF-12A	Yes	58	N	08/27/09	48	< 0.31 U	--	--	< 0.31 U	--	48	--	--	--	--
Deep	MCF-16A	No	27	N	07/23/04	150	< 5 U	13500	4840	< 5 U	8	--	62700	21.3	4.9	116
Deep	MCF-16A	No	37	N	05/18/06	138	< 2.5 U	72000 J-	35100	< 2.5 U	7.6 J-	138	81800	23.7	< 24 U	93
Deep	MCF-16A	No	38	N	08/21/06	128	< 2.5 U	76100	35700 J-	< 2.5 U	7.4 J	128	83800	< 0.22 U	< 24 U	76 J
Deep	MCF-16A	No	42	N	11/06/06	136	< 2.5 U	81800	32000	< 2.5 U	7.4 J-	136	86400	< 0.22 U	< 24 U	413
Deep	MCF-16A	No	44	N	02/16/07	119	< 2.5 U	131000	34200	< 2.5 U	7.6 J-	119	88300	< 11 U	4	113

GENERAL WATER QUALITY RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
 (Page 11 of 11)

Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Bicarbonate alkalinity	Carbonate alkalinity	Conductivity	Hardness	Hydroxide alkalinity	pH	Total Alkalinity	Total Dissolved Solids	Total Inorganic Carbon	Total Organic Carbon	Total Suspended Solids
						Units	mg/L	mg/L	umhos/cm	mg/L		mg/L	none	mg/L	mg/L	mg/L
						MCL	--	--	--	--	--	--	500	--	--	--
						BCL	--	--	--	--	--	--	--	--	--	--
Deep	MCF-16A	No	51	N	05/19/08	109 J-CAB	< 0.1 U	62700	35300	< 0.1 U	5.8 J	109 J-CAB	87300 J-	54.4	< 10 U	23
Deep	MCF-16A	No	58	N	10/05/09	122	< 0.31 U	63500	1280	< 0.31 U	7.5 J	122 J-, J-CAB&TDS	78800 J-CAB&TDS	28.6	3.2	619
Deep	MCF-16A	Yes	58	N	10/05/09	118	< 0.31 U	63300	--	< 0.31 U	--	118 J-	--	--	--	--
Deep	MCF-17A	No	51	N	07/21/08	54	< 0.1 U	78800	16800	< 0.1 U	7.5	54	85600 J-	21.4 J	16.8 J	46
Deep	MCF-17A	No	58	N	09/29/09	43.6	< 0.31 U	78900	14300	< 0.31 U	7.4 J	43.6	72700	7	< 0.22 U	124
Deep	MCF-17A	No	58	FD	09/29/09	43.6	< 0.31 U	78200	13700	< 0.31 U	7.1 J	43.6	76000	7	1	109
Deep	MCF-17A	Yes	58	N	09/29/09	45.2	< 0.31 U	78800	--	< 0.31 U	--	45.2	--	--	--	--
Deep	MCF-17A	Yes	58	FD	09/29/09	44	< 0.31 U	77500	--	< 0.31 U	--	44	--	--	--	--
Deep	MCF-18A	No	51	N	07/18/08	24 J-CAB	< 0.1 U	19200	18500	< 0.1 U	6.7 J	24 J-CAB	157000	11.2 J	< 10 U	142
Deep	MCF-18A	No	58	N	09/21/09	28	< 0.31 U	196000	16300	< 0.31 U	6.4 J	28 J-TDS	163000 J-TDS	8.6	2.1	119
Deep	MCF-18A	No	58	FD	09/21/09	27.6	< 0.31 U	195000	16600	< 0.31 U	6.1 J	27.6 J-TDS	173000 J-TDS	9.7	2.8	74
Deep	MCF-18A	Yes	58	N	09/21/09	28	< 0.31 U	--	--	< 0.31 U	--	28	--	--	--	--
Deep	MCF-18A	Yes	58	FD	09/21/09	28.4	< 0.31 U	--	--	< 0.31 U	--	28.4	--	--	--	--
Deep	MCF-19A	No	51	N	07/21/08	110	< 0.1 U	99600	50600	< 0.1 U	7.9 J	110	161000 J-	33.5 J	< 10 U	114
Deep	MCF-19A	No	58	N	09/03/09	116	< 0.31 U	100000	39200	< 0.31 U	7.6 J	116 J-CAB&TDS	115000 J-CAB&TDS	24.7	5.9	259
Deep	MCF-19A	No	58	FD	09/03/09	116	< 0.31 U	101000	43600	< 0.31 U	7.6 J	116 J-TDS	119000 J-TDS	21.8	5.8	306
Deep	MCF-19A	Yes	58	N	09/03/09	128	< 0.31 U	--	--	< 0.31 U	--	128	--	--	--	--
Deep	MCF-19A	Yes	58	FD	09/03/09	123	< 0.31 U	--	--	< 0.31 U	--	123	--	--	--	--
Deep	MCF-20A	No	51	N	07/18/08	40 J-CAB	< 0.1 U	13500	61800	< 0.1 U	6.8 J	40 J-CAB	183000	< 11 U	12.6 J	184
Deep	MCF-20A	No	58	N	09/03/09	90	< 0.31 U	3840	51200	< 0.31 U	6.8 J	R-CAB&TDS	R-CAB&TDS	21.3	8.6	128
Deep	MCF-20A	Yes	58	N	09/03/09	89.6	< 0.31 U	--	--	< 0.31 U	--	89.6	--	--	--	--
Deep	MCF-21A	No	51	N	07/23/08	136	< 0.1 U	87800	51800	< 0.1 U	7.4 J	136	153000 J-	37.4 J	11.4 J	157
Deep	MCF-21A	No	58	N	08/25/09	135	< 0.31 U	86900	53700	< 0.31 U	7.2 J	135 J-TDS	119000 J-TDS	28.3	9.3	344
Deep	MCF-21A	Yes	58	N	08/25/09	125	< 0.31 U	--	--	< 0.31 U	--	125	--	--	--	--
Deep	MCF-22A	No	51	N	07/23/08	64	< 0.1 U	38200	2070	< 0.1 U	7.6 J	64	3370 J-	19.7 J	< 10 U	3 J
Deep	MCF-22A	No	58	N	10/09/09	79.2	< 0.31 U	3800	1750	< 0.31 U	6.8	79.2	R-CAB&TDS	20.4	1.6	12
Deep	MCF-22A	Yes	58	N	10/09/09	76.8	< 0.31 U	3840	--	< 0.31 U	--	76.8	--	--	--	--
Deep	MCF-23A	No	51	N	07/21/08	73	< 0.1 U	68900	31800	< 0.1 U	7.1 J	73	105000 J-	55.4	< 10 U	86
Deep	MCF-23A	No	58	N	10/05/09	82.4	< 0.31 U	68500	31800	< 0.31 U	6 J	82.4 J-CAB&TDS	77300 J-CAB&TDS	27.8	4.3	179
Deep	MCF-23A	Yes	58	N	10/05/09	78.4	< 0.31 U	68200	--	< 0.31 U	--	78.4	--	--	--	--
Deep	MCF-24A	No	51	N	07/28/08	136 J-CAB	< 0.1 U	7800	52600	< 0.1 U	7.6 J	136 J-CAB	101000	39.4 J	< 10 U	136
Deep	MCF-24A	No	58	N	08/28/09	141	< 0.31 U	77400	51500	< 0.31 U	6.2 J	141 J-TDS	5300 J-TDS	38.2	4	16
Deep	MCF-24A	Yes	58	N	08/28/09	162	< 0.31 U	--	--	< 0.31 U	--	162	--	--	--	--
Deep	MCF-25A	No	51	N	07/28/08	50	< 0.1 U	76600	2300	< 0.1 U	8 J	50	5090	19.2 J	< 10 U	8
Deep	MCF-25A	No	58	N	08/28/09	75	< 0.31 U	9220	1820	< 0.31 U	6.3 J	75 J-TDS	148000 J-TDS	16.3	1.4	275
Deep	MCF-25A	Yes	58	N	08/28/09	70	< 0.31 U	--	--	< 0.31 U	--	70	--	--	--	--
Deep	MCF-27	No	27	N	07/26/04	< 5 U	106	2360	284	223	11.5	--	1150 J-	3.7	2.8	85 J-
Deep	MCF-27	No	37	N	05/19/06	68	< 2.5 U	1980 J-	252	< 2.5 U	7.7 J-	68	1460	12 J-	< 24 U	4
Deep	MCF-27	No	38	N	08/02/06	50	< 2.5 U	1790	2240	< 2.5 U	7.9 J	50	1260	< 0.22 U	920	6
Deep	MCF-27	No	42	N	10/20/06	43	< 2.5 U	1630	348	< 2.5 U	7.4 J-	43	1170	--	< 0.47 U	14
Deep	MCF-27	No	44	N	02/20/07	54	< 2.5 U	1600 J+	182	< 2.5 U	7.4 J-	54	968	< 11 UJ	0.27 J	< 1 U
Deep	MCF-27	No	51	N	05/19/08	63	< 0.1 U	1500	240	< 0.1 U	7.6 J	63	1170	65.4	< 10 U	< 4 U
Deep	MCF-27	No	58	N	09/14/09	68	< 0.31 U	1530	262	< 0.31 U	7.8 J	R-CAB&TDS	R-CAB&TDS	8.1	0.3 J	5
Deep	MCF-27	Yes	58	N	09/14/09	64.4	< 0.31 U	--	--	< 0.31 U	--	64.4	--	--	--	--
Deep	MCF-28A	No	58	N	09/29/09	64	32.8	191000	19800	< 0.31 U	8.6 J	96.8 J-CAB	188000 J-CAB	4.5	1.5	122
Deep	MCF-28A	Yes	58	N	09/29/09	56	36	192000	--	< 0.31 U	--	92	--	--	--	--
Deep	MCF-29A	No	58	N	09/29/09	83.2	< 0.31 U	139000	1350	< 0.31 U	7.9 J	83.2	161000	10.2	8.4	358
Deep	MCF-29A	Yes	58	N	09/29/09	82.4	< 0.31 U	139000	--	< 0.31 U	--	82.4	--	--	--	--
Deep	MCF-30A	No	58	N	10/05/09	147	102	180000	37300	< 0.31 U	8.6 J	249 J-CAB&TDS	175000 J-CAB&TDS	14.9	5.1	267
Deep	MCF-30A	Yes	58	N	10/05/09	121	84.8	177000	--	< 0.31 U	--	206	--	--	--	--
Deep	MCF-31A	No	58	N	09/29/09	119	< 0.31 U	158000	58800	< 0.31 U	7 J	119 J-TDS	185000 J-TDS	24.7	5.4	322
Deep	MCF-31A	Yes	58	N	09/29/09	120	< 0.31 U	157000	--	< 0.31 U	--	120	--	--	--	--

-- = no sample data.

Appendix C6

Radionuclides and Stable Isotopes

RADIONUCLIDE RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
 (Page 1 of 5)

Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Delta-D	Delta-O	Radium-226	Radium-226/228	Radium-228	Thorium-228	Thorium-230	Thorium-232	Uranium-233/234	Uranium-235/236	Uranium-238
						Units	Pct	Pct	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L
						MCL	--	--	--	5	--	--	--	--	--	--
						BCL	--	--	--	--	--	--	--	--	--	--
Shallow	AA-01	No	27	N	07/15/04	--	--	0.58	--	0.51 U	0.12 U	0.32 U	0.047 U	27.5	1.32	19.7
Shallow	AA-01	No	37	N	04/26/06	--	--	< 1 U	--	0.772 J	< 1 U	< 1 U	< 1 U	27.9	0.528	20.4
Shallow	AA-01	No	38	N	08/01/06	--	--	< 1 U	--	< 3 U	< 1 U	< 1 U	< 1 U	33.5	0.699	26.7
Shallow	AA-01	No	42	N	10/18/06	--	--	0.216	--	3 U	0.106 U	0.0574 U	0 U	32.4	1	25.1
Shallow	AA-01	No	44	N	01/25/07	--	--	0.0584 U	--	0.408 U	0.101 U	0 U	0 U	31.7	0.678	23
Shallow	AA-01	No	58	N	08/07/09	--	--	0.199 U	1.12	0.917	-0.356 U	0.265 U	0.0728 U	20.3	1.47 J	12.2
Shallow	AA-07	No	27	N	07/24/04	--	--	0.56	--	0.38 U	0.17	0.5 U	0.06 U	5.64	0.26	4.77
Shallow	AA-07	No	37	N	06/06/06	--	--	0.571 J-	--	0.558 J	< 1 U	< 1 U	< 1 U	6.65	0.257	6.38
Shallow	AA-07	No	38	N	08/16/06	--	--	0.67	--	1.01 U	< 1 U	< 1 U	< 1 U	6.37	< 0.1 U	6.38
Shallow	AA-07	No	42	N	11/03/06	--	--	0.96	--	3 U	-0.0303 U	0 U	0 U	8.08	0.283	6.1
Shallow	AA-07	No	44	N	02/26/07	--	--	0.717 J	--	0.272 UJ	0 U	0 U	0 U	6.46	0.212	6.78
Shallow	AA-07	No	51	N	04/21/08	--	--	1.51	--	1.09	0.348 U	0.481	0.0433 U	7.81	0.59	6.56
Shallow	AA-07	No	58	N	08/10/09	--	--	1.54	2.01	0.466 U	-0.144 U	0.0704 U	-0.0396 U	5.34	0.156 UJ	5.38
Shallow	AA-08	No	27	N	07/19/04	--	--	0.09 U	--	0.61	0.05 U	0.51 U	0.014 U	15	0.42	7.1
Shallow	AA-08	No	37	N	05/25/06	--	--	< 1 U	--	1.01 J	< 1 U	< 1 U	< 1 U	16.2	0.404	9.18
Shallow	AA-08	No	38	N	08/14/06	--	--	0.219	--	0.763	< 1 U	< 1 U	< 1 U	18.2	0.485	10
Shallow	AA-08	No	42	N	11/01/06	--	--	0.0404 U	--	3 U	-0.0129 U	0 U	0.0252 U	16.3	0.571	8.67
Shallow	AA-08	No	44	N	02/08/07	--	--	0.0761 U	--	3 U	0 U	0.0691 U	-0.0138 U	19.4	0.285	10.8
Shallow	AA-08	No	51	N	05/16/08	--	--	0.684	--	0.652 U	0.168 U	0.579	0.132 U	16.3	0.587	8.78
Shallow	AA-08	No	58	N	08/14/09	--	--	0.745	2.49	1.74 J	0.0465 U	0.236 U	0.0175 U	14.7	0.516 U	7.74 J
Shallow	AA-09	No	27	N	07/20/04	--	--	0.17 U	--	0.62	< 0.4 U	0.49 U	0.007 U	17.4	0.94	11.7
Shallow	AA-09	No	37	N	05/01/06	--	--	< 1 U	--	0.655 J	< 1 U	< 1 U	< 1 U	14.6	0.607	10.4
Shallow	AA-09	No	38	N	08/11/06	--	--	0.149	--	0.502 U	< 1 U	< 1 U	< 1 U	14.4	0.407	10.5
Shallow	AA-09	No	42	N	10/23/06	--	--	--	--	3 U	-0.0668 U	0.546	-0.0219 U	14.4	0.259	11.2
Shallow	AA-09	No	44	N	01/26/07	--	--	0.225	--	0.577 J	-0.0491 U	0.0604 U	-0.0121 U	15.1	0.456	10.3
Shallow	AA-09	No	51	N	05/16/08	--	--	0.874	--	0.581	0.155 U	0.0997 U	0.0285 U	8.2	0.497	5.93
Shallow	AA-09	No	58	N	08/12/09	--	--	0.743	1.16	0.415 UJ	0.0894 U	0.527	0.0832 U	6.9	0.125 U	5.3 J
Shallow	AA-10	No	27	N	07/20/04	--	--	0.1 U	--	0.29 UJ	0.03 U	1.14 U	0.0531 U	13.8	0.31 U	7.16
Shallow	AA-10	No	37	N	05/12/06	--	--	< 0.16 J	--	< 3 U	< 1 U	< 1 U	< 1 U	15.2	0.436	8.8
Shallow	AA-10	No	38	N	08/11/06	--	--	0.138	--	0.733 U	< 1 U	< 1 U	< 1 U	19.5	0.542	9.32
Shallow	AA-10	No	42	N	10/27/06	--	--	0.167 U	--	0.536 U	-0.011 U	-0.0106 U	0 U	16.8	0.378	8.99
Shallow	AA-10	No	44	N	02/05/07	--	--	0.0802 U	--	0.634 J	-0.0299 U	-0.0284 U	-0.00947 U	17.5	0.383	9.3
Shallow	AA-10	No	51	N	05/12/08	--	--	0.239 U	--	0.34 U	-0.303 U	0.145 U	-0.0546 U	17.8	0.748	8.25
Shallow	AA-10	No	58	N	08/11/09	--	--	1 U	2.12	1.12 J	-0.0302 U	0.296 U	0.0487 U	13.8	0.55 UJ	8.28
Shallow	AA-13	No	27	N	07/14/04	--	--	0.74	--	1.39 U	0.51 U	1.55 U	0.49	11.4 J+	0.41 U	7.8
Shallow	AA-13	No	37	N	05/12/06	--	--	0.812 J	--	< 3 U	< 1 U	< 1 U	< 1 U	27.4	0.619	18.2
Shallow	AA-13	No	38	N	08/03/06	--	--	0.525	--	< 3 U	< 1 U	< 1 U	< 1 U	26.4	0.568	17.2
Shallow	AA-13	No	42	N	10/20/06	--	--	--	--	3 U	0.0631 U	0.123 U	-0.0123 U	29.8	0.539	18.4
Shallow	AA-13	No	44	N	01/26/07	--	--	0.303	--	0.614 J	0 U	-0.00365 U	-0.00365 U	22.4	0.493	15.2
Shallow	AA-13	No	51	N	05/12/08	--	--	0.702	--	0.327 U	-0.173 U	0.138 U	0.0132 U	29	1.93	17.5
Shallow	AA-13	No	58	N	08/13/09	--	--	1.79	2.26	0.469 UJ	0.057 U	0.355	0.0868 U	25.6	0.545 U	16 J
Shallow	AA-18	No	27	N	02/06/07	--	--	0.39	--	0.15 U	< 0.4 U	1.14 U	< 0.2 U	2.68	0.06 U	1.97
Shallow	AA-18	No	37	N	05/19/06	--	--	0.237 J	--	< 3 U	< 1 U	< 1 U	< 1 U	3.65	< 0.1 U	2.85
Shallow	AA-18	No	38	N	08/10/06	--	--	2.33	--	< 3 U	< 1 U	< 1 U	< 1 U	3.39	0.118	1.88
Shallow	AA-18	No	42	N	10/31/06	--	--	0.195	--	0.455 U	0 U	0 U	0 U	3.21	0.0263 U	2.69
Shallow	AA-18	No	44	N	02/06/07	--	--	0.0896 U	--	0.392 U	-0.0611 U	-0.0201 U	0 U	3.88	0.0606 U	2.84
Shallow	AA-18	No	51	N	05/13/08	--	--	0.34 U	--	0.394 U	0.372 U	0.034 U	0.125 U	2.35 J	0.374 U	2.02
Shallow	AA-18	No	58	N	08/11/09	--	--	1.05	2.27	1.22 J	0.147 U	1.73	-0.0799 U	4.14	0.33 UJ	2.63
Shallow	AA-20	No	27	N	07/23/04	--	--	0.54	--	0.68 U	0.12 U	0.27 U	< 0.09 U	6.14	0.27	4.94
Shallow	AA-20	No	37	N	05/02/06	--	--	0.521 J	--	0.933 J	< 1 U	< 1 U	< 1 U	9.07	0.225	6.56
Shallow	AA-20	No	38	N	08/11/06	--	--	< 1 U	--	< 3 U	< 1 U	< 1 U	< 1 U	7.7	0.3	6.59
Shallow	AA-20	No	42	N	10/30/06	--	--	0.777	--	0.518 U	-0.00936 U	0.0366 U	0 U	7.94	0.301	6.35
Shallow	AA-20	No	44	N	01/30/07	--	--	0.537	--	0.122 U	0 U	-0.00955 U	-0.00955 U	5.88	0.211 U	6.3
Shallow	AA-20	No	51	N	05/14/08	--	--	1.55	--	0.571	0.599 U	1 U	-0.0234 U	7.32	0.457	5.44 J-
Shallow	AA-20	No	58	N	09/11/09	--	--	1.55 J	1.99	0.436 U	0.0748 U	-0.21 U	0.00257 U	7.26	0.734 J	7.1
Shallow	AA-21	No	27	N	07/25/04	--	--	0.19 U	--	0.28 U	0.07 U	0.95 U	0.14 U	26	0.66	10.2
Shallow	AA-21	No	37	N	05/19/06	--	--	< 1 UJ	--	< 3 U	< 1 U	< 1 U	< 1 U	33.3	0.547	13.9
Shallow	AA-21	No	38	N	08/17/06	--	--	< 1 U	--	1.02 U	< 1 U	< 1 U	< 1 U	32.6	0.569	13.8
Shallow	AA-21	No	42	N	10/31/06	--	--	0.0327 U	--	3 U	0.0114 U	0 U	0 U	32.2	0.466	13.7
Shallow	AA-21	No	44	N	01/29/07	--	--	-0.0212 U	--	0.405 J	0.0203 U	0 U	0 U	33.7	0.599	12.6
Shallow	AA-21	No	51	N	05/13/08	--	--	0.257 U	--	1.06	1.21	0.1 U	0.0328 U	31.6 J	0.801	13.4
Shallow	AA-21	No	58	N	08/12/09	--	--	0.243 U	0.942 U	0.699 UJ	0.0221 U	0.674	-0.0849 U	37.1	0.613	15.2 J
Shallow	AA-22	No	27	N	07/17/04	--	--	0.12 U	--	0.17 U	-0.017 U	0.46 U	0.017 U	6.28	0.21	3.81
Shallow	AA-22	No	37	N	05/24/06	--	--	< 1 U	--	0.617 J	< 1 U	< 1 U	< 1 U	7.17	0.339	4.81
Shallow	AA-22	No	38	N	08/18/06	--	--	< 1 U	--	0.644 U	< 1 U	< 1 U	< 1 U	8.35	0.227	4.29
Shallow	AA-22	No	42	N	11/03/06	--	--	0.131 U	--	0.345 U	-0.0295 U	-0.0193 U	0 U	5.41	0.139 U	3.33
Shallow	AA-22	No	44	N	02/09/07	--	--	-0.0131 U	--	0.532 U	-0.0106 U	0 U	0 U	6.23	0.0842 U	3.82
Shallow	AA-22	No	51	N	05/14/08	--	--	0.297 U	--	0.249 U	0.658 U	0.000602 U	0.0295 U	7.36	0.447	4.84 J-
Shallow	AA-22	No	58	N	09/23/09	--	--	3.83	4.34	0.51 U	0.0673 U	-0.0552 U	0.3	5.82	0.175 U	4.97
Shallow	AA-23-R	No	51	N	05/19/08	--	--	0.788	--	0.684	0.52 U	-0.000395 U	-0.0482 U	13.1	1.44	11.4
Shallow	AA-23-R	No	58	N	09/10/09	--	--	2.25	3.15	0.902 UJ	-0.0246 U	0.169 U	-0.157 U	12.5	0.457 UJ	10.9
Shallow	AA-26	No	27	N	07/20/04	--	--	0.15 U	--	-0.02 UJ	< 0.3 U	0.8 U	0.024 U	2.16	0.2 U	1.47
Shallow	AA-26	No	37	N	05/24/06	--	--	0.186 J	--	0.634 J	< 1 U	< 1 U	< 1 U	3.28	< 0.1 U	2.15
Shallow	AA-26	No	38	N	08/17/06	--	--	< 1 U	--	0.683 U	< 1 U	< 1 U	< 1 U	4.33	< 0.1 U	2.05
Shallow	AA-26	No	42	N	10/26/06	--	--	0.116	--	3 U	--	--	--	2.85	0.0894 U	2.47
Shallow	AA-26	No	44	N	02/28/07	--	--	0.0851 U	--	0.436 U	-0.0492 U	0 U	0 U	3.79	0.184	2.29
Shallow	AA-26	No	51	N	05/19/08	--	--	0.351 U	--	0.0118 U	0.327 U	0.0896 U	0.0633 U	3.02	-0.0101 U	1.67
Shallow	AA-26	No	58	N	09/11/09	--	--	0.408 J	0.747	0.339 U	-0.131 U	-0.108 U	-0.0483 U	2.37	0.279 J	1.55
Shallow	AA-27	No	27	N	07/16/04	--	--	0.1 U	--	0.95 U	0.05 U	0.51 U	0.074 U	26.7	1.21	17.7
Shallow	AA-27	No	37	N	04/27/06	--	--	0.288 J	--	0.956 J	< 1 U	< 1 U	< 1 U	36.3	0.835	23.3
Shallow	AA-27	No	3													

RADIONUCLIDE RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
 (Page 2 of 5)

Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Delta-D	Delta-O	Radium-226	Radium-226/228	Radium-228	Thorium-228	Thorium-230	Thorium-232	Uranium-233/234	Uranium-235/236	Uranium-238
						Units	Pct	Pct	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L
						MCL	--	--	--	5	--	--	--	--	--	--
						BCL	--	--	--	--	--	--	--	--	--	--
Shallow	BEC-6	No	42	N	10/19/06	--	--	--	--	3 U	0.0253 U	0.0495 U	-0.0124 U	0.769	0.0979 U	0.79
Shallow	BEC-6	No	44	N	01/29/07	--	--	0.176	--	0.479 J	0.0191 U	0 U	0 U	0.811 J	0 U	0.486 J
Shallow	BEC-6	No	58	N	09/28/09	--	--	0.458	2.58	2.12	0.139 U	0.432 U	0.139 U	1.69	0.246 U	0.676
Shallow	BEC-9	No	37	N	05/02/06	--	--	1.09	--	0.687 J	< 1 U	< 1 U	< 1 U	21.2	0.72	15
Shallow	BEC-9	No	38	N	08/02/06	--	--	1.24	--	0.557	< 1 U	< 1 U	< 1 U	18.6	0.688	14.3
Shallow	BEC-9	No	42	N	10/19/06	--	--	--	--	3 U	0.113 U	0.193 U	0 U	19.8	0.565	15.2
Shallow	BEC-9	No	44	N	01/29/07	--	--	1.15	--	0.658 J	0.0505 U	0 U	0 U	18.3	0.634	14.3
Shallow	BEC-9	No	58	N	08/18/09	--	--	1 U	2.58	1.58	-0.104 U	-0.109 U	-0.0688 U	22.4	1.51	19.6
Shallow	COH-2A	No	44	N	01/30/07	--	--	0.14	--	0.733 J	-0.0864 U	0.107 U	-0.0214 U	13.8	0.309	7.83
Shallow	COH-2A	No	51	N	05/08/08	--	--	1.98	--	0.518 U	0.51 U	0.0587 U	-0.0374 U	15.4	0.822	9.73
Shallow	COH-2A	No	58	N	09/11/09	--	--	0.741 J	1.27	0.526 U	0.0587 U	0.0234 U	0.134 U	34.1	1.45 J	19.4
Shallow	DBMW-1	No	51	N	05/20/08	--	--	2.01 J	--	1.25	0.665 U	0.331 U	0.059 U	3.87	0.45	3.39
Shallow	DBMW-1	No	58	N	08/31/09	--	--	-0.0492 U	0.728 U	0.777 U	-0.117 U	-0.0875 U	-0.0483 U	4.09	-0.124 U	3.12
Shallow	DBMW-10	No	51	N	05/27/08	--	--	-0.0947 U	--	0.181 U	0.0483 U	0.0988 U	-0.0747 U	4.44	0.302	3.04
Shallow	DBMW-10	No	58	N	09/29/09	--	--	1	3.07	2.07 J+	-0.0947 U	1 U	0.126 U	3.46	0.379 U	2.55
Shallow	DBMW-11	No	51	N	06/02/08	--	--	0.41 J	--	1.05	0.531 U	0.794	-0.0341 U	9.67	0.548	8.59
Shallow	DBMW-11	No	58	N	10/01/09	--	--	1.56	3.67	2.11 UJ	-0.0221 U	1.4	0.0238 U	8.41	0.264 U	7.76
Shallow	DBMW-12	No	51	N	05/27/08	--	--	2.5	--	1.44	-0.169 U	-0.0614 U	-0.0185 U	5.9	0.651	6.15
Shallow	DBMW-12	No	58	N	09/24/09	--	--	11.6	12.7	1.11	-0.0402 U	-0.059 U	-0.0575 U	13.9	0.839	11.5
Shallow	DBMW-12	No	58	FD	09/24/09	--	--	17.9	19.4	1.46	0.126 U	-0.0795 U	-0.00964 U	11.4	0.447	10.8
Shallow	DBMW-13	No	51	N	05/28/08	--	--	1.13	--	0.794	1 U	0.589	0.0276 U	4.55	0.224 U	4.16
Shallow	DBMW-13	No	58	N	09/29/09	--	--	1 U	2.62	1.62 J+	0.714 U	1.41	0.235 U	4.03	0.294 U	4.23
Shallow	DBMW-14	No	51	N	05/29/08	--	--	1.84	--	0.763	1.02	0.115 U	-0.021 U	1.85	0.186 U	1.28
Shallow	DBMW-14	No	58	N	09/29/09	--	--	1.69	4.03	2.34 J+	-0.151 U	-0.26 U	-0.105 U	2.12	0 U	1.82
Shallow	DBMW-15	No	51	N	05/28/08	--	--	2.04 J	--	0.284 U	1 U	0.176 U	-0.0387 U	3.36	0.594	2.7
Shallow	DBMW-15	No	58	N	09/30/09	--	--	1 U	1.25 U	0.249 UJ	-0.0751 U	0.897	-0.0193 U	3.31	0.0453 U	3.04
Shallow	DBMW-16	No	51	N	05/29/08	--	--	1.37	--	0.267 U	0.387 U	0.175 U	0.0287 U	1.96	0.315 U	0.877
Shallow	DBMW-16	No	58	N	10/02/09	--	--	0.52	2.45	1.93 J	0.205 U	1.96	-0.0849 U	0.983	-0.0678 U	0.823
Shallow	DBMW-17	No	51	N	05/30/08	--	--	0.607	--	0.198 U	1 U	1 U	0.0386 U	2.53	0.15 U	1.69
Shallow	DBMW-17	No	58	N	10/02/09	--	--	0.909	2.21	1.3 J	-0.141 U	1.64	0.0563 U	6.16	0.159 U	3.59
Shallow	DBMW-19	No	51	N	05/30/08	--	--	0.94	--	0.521 U	0.554 U	0.129 U	0.0407 U	11.6	0.427 U	7.63
Shallow	DBMW-19	No	58	N	09/24/09	--	--	1.11	2.9	1.79	0.0513 U	0.382	0.136 U	12.1	0.792	7.59
Shallow	DBMW-2	No	51	N	06/02/08	--	--	1.02 J	--	1.16	-0.054 U	-0.0409 U	-0.0385 U	5.42	0.127 U	3.69
Shallow	DBMW-2	No	58	N	09/04/09	--	--	1.84	3.38	1.54	0.0677 U	0.18	0.0968 U	2.87	0.0599 UJ	2.23
Shallow	DBMW-20	No	51	N	05/13/08	--	--	0.214 U	--	0.915	0.632 U	0.0689 U	-0.0459 U	16.4 J	1.08	12
Shallow	DBMW-20	No	58	N	09/30/09	--	--	1 U	2.2	1.2 J	0.297 U	1.41	-0.0193 U	13.2	0.661	11.4
Shallow	DBMW-22	No	51	N	05/30/08	--	--	2.31	--	1.31	1 U	0.163 U	-0.0312 U	1 U	-0.0954 U	0.998
Shallow	DBMW-22	No	58	N	09/28/09	--	--	1.74	3.68	1.94	0.0789 U	1 U	0.129 U	1.34	-0.0542 U	0.745
Shallow	DBMW-22	No	58	FD	09/28/09	--	--	2.22	4.27	2.05	-0.0655 U	1 U	-0.0193 U	1.87	-0.149 U	0.282 U
Shallow	DBMW-3	No	51	N	06/02/08	--	--	5.51 J	--	0.758	-0.423 U	-0.0161 U	-0.162 U	3.89	0.361	2.27
Shallow	DBMW-3	No	58	N	09/04/09	--	--	5.1	7.04	1.94	0.0168 U	0.127 U	-0.191 U	3.35	0.121 UJ	2.01
Shallow	DBMW-4	No	51	N	05/22/08	--	--	3.01	--	0.61	0.312 U	0.297 U	0.146 U	27.7	1.82	24.7
Shallow	DBMW-4	No	58	N	09/22/09	--	--	4.14	5.48	1.34	-0.0548 U	-0.13 U	-0.134 U	11	0.728	8.37
Shallow	DBMW-5	No	51	N	05/22/08	--	--	1.08	--	0.378 U	0.326 U	0.145 U	-0.0151 U	16.5	0.683	13.7
Shallow	DBMW-5	No	58	N	09/23/09	--	--	7.31 J	9.21	1.9	0.181 U	0.158 U	-0.106 U	11.2	0.764	9.95
Shallow	DBMW-5	No	58	FD	09/23/09	--	--	13.4 J	16.2	2.75	0.271 U	-0.123 U	0.0283 U	10.1	0.739	9.31
Shallow	DBMW-7	No	51	N	06/02/08	--	--	1.73 J	--	1.25	-0.135 U	0.0817 U	-0.111 U	9	0.473	9.87
Shallow	DBMW-7	No	58	N	09/25/09	--	--	0.0527 UJ	1.77	1.72	0.701	0.301 U	-0.00964 U	7.72 J	0.55 J	8.71
Shallow	DBMW-7	No	58	FD	09/25/09	--	--	1.51 J	2.95	1.44	0.0289 U	0.163 U	0.131 U	10.2 J	0.539 J	9.06
Shallow	DBMW-8	No	51	N	06/03/08	--	--	1.73	--	0.407 U	-0.248 U	0.225 U	0.163 U	6.3	0.59	6.38
Shallow	DBMW-8	No	58	N	09/23/09	--	--	0.345 U	1.75	1.4	0.0715 U	0.0599 U	-0.00964 U	8.64	0.595	7.65
Shallow	DBMW-9	No	51	N	05/23/08	--	--	2.4	--	0.769	0.666 U	0.131 U	0.102 U	8.55	0.904	7.64
Shallow	DBMW-9	No	58	N	09/29/09	--	--	2.54	5.05	2.51 J+	-0.0213 U	1 U	0.0716 U	8.04	0 U	8.59
Shallow	DM-1	No	37	N	05/01/06	--	--	< 1 U	--	0.728 J	< 1 U	< 1 U	< 1 U	25.4	0.825	14.6
Shallow	DM-1	No	38	N	07/31/06	--	--	< 1 U	--	< 3 U	< 1 U	< 1 U	< 1 U	25.6	0.365	15.5
Shallow	DM-1	No	42	N	10/18/06	--	--	0.085 U	--	0.185 U	0.0283 U	0.0827 U	0 U	21.1	0.538	12.7
Shallow	DM-1	No	44	N	01/25/07	--	--	0.252	--	0.338 U	0.0187 U	0 U	0 U	16.1	0.5	9.18
Shallow	DM-1	No	58	N	10/01/09	--	--	0.3 U	2.29 U	1.99 UJ	0.262 U	0.69	0.351 U	12.9	0.469	9.65
Shallow	HMW-08	No	44	N	02/02/07	--	--	-0.045 U	--	0.204 U	-0.0497 U	0.0819 U	-0.0164 U	11.1	0.336	8.39
Shallow	HMW-08	No	51	N	05/06/08	--	--	1.13	--	0.345 U	1 U	1.05	0.234 U	13.2	0.53 J	9.79 J
Shallow	HMW-08	No	58	N	09/29/09	--	--	2.24	3.86	1.62 J+	1.6	2.39	1.18	21.8	0.739	12.9
Shallow	HMW-09	No	44	N	02/09/07	--	--	0.0539 U	--	0.869 J	0 U	0 U	-0.0125 U	13.5	0.259	9.3
Shallow	HMW-09	No	51	N	05/06/08	--	--	0.41 U	--	2.44	1 U	1 U	0.131 U	13.5	0.667 J	7.48 J
Shallow	HMW-09	No	58	N	09/28/09	--	--	0.49	2.81	2.32	0.254	1 U	0.432	15.7	0.464	10.4
Shallow	HMWWT-6	No	44	N	02/21/07	--	--	0.17 U	--	3 U	0.198 J	1 U	0.0734 U	4.81	0.131 U	3.66
Shallow	HMWWT-6	No	58	N	09/04/09	--	--	2.13	2.94	0.812 U	-0.0805 U	0.235 U	0.0503 U	3.82	0.198 UJ	3.3
Shallow	MCF-01B	No	27	N	07/24/04	--	--	0.25	--	0.13 U	0.17 U	0.88 U	0.025 U	6.48	0.27 J+	4.51
Shallow	MCF-01B	No	37	N	05/11/06	--	--	< 1 U	--	< 3 U	< 1 U	< 1 U	< 1 U	9.05	0.379	5.1
Shallow	MCF-01B	No	38	N	07/31/06	--	--	< 1 U	--	< 3 U	< 1 U	0.259 J+	< 1 U	9.42	0.349	7.01
Shallow	MCF-01B	No	42	N	11/06/06	--	--	0.0645 U	--	0.0943 U	-0.00898 U	0.0352 U	0 U	9.78	0.18	6.5
Shallow	MCF-01B	No	44	N	02/14/07	--	--	0.119 U	--	0.292 U	0.372 J	0.98 J	0.467 J	8.71	0.355	6.74
Shallow	MCF-01B	No	51	N	04/23/08	--	--	0.803	--	0.412 U	0.363 U	0.192 U	-0.0363 U	8.61 J	0.369	6.61
Shallow	MCF-01B	No	58	N	08/07/09	--	--	0.437	0.647	0.21 U	-0.0308 U	0.29 U	-0.00358 U	8.35	0.499 UJ	7.03
Shallow	MCF-03B	No	27	N	07/24/04	--	--	0.23	--	0.23 U	< 0.4 U	0.31 U	0.008 U	0.13	< 0.07 U	0.017 U
Shallow	MCF-03B	No	37	N	05/12/06	--	--	< 1 U	--	< 3 U	< 1 U	< 1 U	< 1 U	4.29	0.182	3.83
Shallow	MCF-03B	No	38	N	08/16/06	--	--	< 1 U	--	1.24 U	< 1 U	< 1 U	< 1 U	5.52	0.132	4.15
Shallow	MCF-03B	No	42	N	11/03/06	--	--	0.14 U	--	0.341 U	0.123 U	0 U	0 U	5.9	0.176	4.78
Shallow	MCF-03B	No	44	N	02/20/07	--	--	0.223 J	--	3 U	0.0762 U	1 U	0.451 J	5.55	0.196	4.78
Shallow	MCF-03B	No	51	N	04/29/08	--	--	0.0791 U	--	1.17	0.0128 U	1 U	-0.021 U	6.06	0.314 U	5.54
Shallow	MCF-03B	No	58	N	08/17/09	--</										

RADIONUCLIDE RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
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Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Delta-D	Delta-O	Radium-226	Radium-226/228	Radium-228	Thorium-228	Thorium-230	Thorium-232	Uranium-233/234	Uranium-235/236	Uranium-238
						Units	Pct	Pct	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L
						MCL	--	--	5	--	--	--	--	--	--	--
						BCL	--	--	--	--	--	--	--	--	--	--
Shallow	MCF-16C	No	42	N	11/06/06	--	--	1.24	--	0.762	-0.0125 U	0 U	-0.0122 U	5.14	0.123 U	3.78
Shallow	MCF-16C	No	44	N	02/20/07	--	--	1.2	--	3 U	0.049 U	0.229 U	0 U	5.35	0.187	4.43
Shallow	MCF-16C	No	51	N	05/19/08	--	--	1.17	--	0.992	0.407	0.0838 U	0.0608 U	3.95	0.198	2.94
Shallow	MCF-16C	No	58	N	09/30/09	--	--	0.409 U	1.87	1.46 J	-0.0213 U	1.17	0.191 U	5.88	0.435	4.39
Shallow	MW-13	No	44	N	02/15/07	--	--	0.00849 U	--	0.538 U	0 U	0.276 UJ	0.124 U	7.83	0.12 U	6.13
Shallow	MW-13	No	51	N	05/12/08	--	--	0.376 U	--	0.438 U	0.151 U	0.317	0.0774 U	13.8	1.01	11.8
Shallow	MW-13	No	58	N	09/02/09	--	--	0.308 U	0.196	-0.112 U	-0.148 U	0.701	-0.114 U	11.6	0.504 U	12.6
Shallow	MW-15	No	44	N	02/13/07	--	--	0.635 J	--	0.524 J	-0.0313 U	-0.0103 U	0 U	2.23	0.0944 U	1.88
Shallow	MW-15	No	51	N	05/21/08	--	--	0.996 J	--	0.887 U	1 U	0.0723 U	0.0605 U	3.43	0.582	2.87
Shallow	MW-15	No	58	N	09/02/09	--	--	1 U	2.35	1.35	0.112 U	0.0685 U	-0.2 U	1.79	0.17 U	2.79
Shallow	MW-3	No	44	N	02/14/07	--	--	0.336 J	--	0.334 U	0.188 U	0.707 J	0.696 J	2.56	0.112 U	1.82
Shallow	MW-3	No	51	N	05/09/08	--	--	1.34	--	1.11	0.344 U	0.143 U	-0.0693 U	3.34	0.0668 U	1.72
Shallow	MW-3	No	58	N	09/10/09	--	--	1.62	3.24	1.62 J	-0.0299 U	-0.0602 U	0.0999 U	2.13	0.062 UJ	2.66
Shallow	MW-4	No	44	N	02/15/07	--	--	2.56	--	1.16 J	0.12 U	0.0669 UJ	0 U	5.12	0.253	5.79
Shallow	MW-4	No	51	N	05/14/08	--	--	3.27	--	1.93	1.56	1 U	0.523	5.63	0.246	4.79 J-
Shallow	MW-4	No	58	N	09/16/09	--	--	7	8.45	1.45	-0.0772 U	0.116 U	-0.0469 U	6.3	0.182	5.79
Shallow	PC-108	No	37	N	05/09/06	--	--	< 1 U	--	0.718 U	< 1 U	< 1 U	< 1 U	7.72	0.224	5.16
Shallow	PC-108	No	38	N	08/07/06	--	--	< 1 U	--	0.787	< 1 U	< 1 U	< 1 U	5.15	< 0.1 U	2.62
Shallow	PC-108	No	42	N	10/27/06	--	--	0.027 U	--	0.435 U	0 U	0 U	0 U	11.7	0.249	7.51
Shallow	PC-108	No	44	N	02/09/07	--	--	0.05 U	--	0.724 J	0.0297 U	0.039 U	-0.0195 U	3.52	0.202	2.15
Shallow	PC-108	No	51	N	05/01/08	--	--	0.415 U	--	0.611 U	0.326 U	0.315	-0.00399 U	0.335	0.0419	0.158
Shallow	PC-108	No	58	N	09/16/09	--	--	1.9	2.9	1 U	-0.0109 U	0.37 U	-0.0469 U	4.86	0.18 U	3.2
Shallow	PC-2	No	37	N	05/03/06	--	--	0.2 J+	--	< 3 U	< 1 U	< 1 U	< 1 U	35.3	0.994	22.1
Shallow	PC-2	No	38	N	08/03/06	--	--	< 1 U	--	0.834	< 1 U	< 1 U	< 1 U	23.2	0.652	16.5
Shallow	PC-2	No	42	N	10/24/06	--	--	0.242	--	1.03	0.0854 U	0 U	0.0831 U	15.4	0.466	11
Shallow	PC-2	No	44	N	02/07/07	--	--	1 U	--	0.839 J	-0.0217 U	-0.0107 U	0 U	32	0.906	19.9
Shallow	PC-2	No	58	N	08/19/09	--	--	2.41	3.62	1.21	0.0249 U	-0.0341 U	-0.0951 U	4.77	0.282 U	4.65
Shallow	PC-24	No	44	N	02/16/07	--	--	0.28 J	--	0.924 J	0.103 U	0.224 UJ	0.157 U	19.2	0.521	13.5
Shallow	PC-24	No	51	N	05/05/08	--	--	0.551 U	--	1.05	1 U	1 U	0.104 U	23.8	1.04 J	14.8 J
Shallow	PC-24	No	58	N	08/20/09	--	--	1.2	2.6	1.4	-0.147 U	0.422	0.0698 U	21.6	0.453 U	15.5
Shallow	PC-28	No	44	N	02/21/07	--	--	1.19	--	3 U	-0.0897 U	0.708 J	0 U	45.3	1.32	36.3
Shallow	PC-28	No	51	N	05/05/08	--	--	1.91	--	0.794	1 U	1 U	0.18 U	59.3	3.79 J	44.3 J
Shallow	PC-28	No	58	N	08/20/09	--	--	4.24	4.77	0.527 U	0.0391 U	-0.0295 U	0.0306 U	53	2.84	38.2
Shallow	PC-4	No	37	N	05/03/06	--	--	0.327 J+	--	0.764 U	< 1 U	< 1 U	< 1 U	18	0.494	13.9
Shallow	PC-4	No	38	N	08/04/06	--	--	0.103	--	< 3 U	< 1 U	0.161 U	< 1 U	17.6	0.506	14
Shallow	PC-4	No	42	N	10/23/06	--	--	--	--	3 U	0.0749 U	-0.0441 U	0 U	15.1	0.324	11
Shallow	PC-4	No	44	N	02/06/07	--	--	-0.0058 U	--	0.608 J	0.0888 U	0 U	0 U	14.2	0.429	8.46
Shallow	PC-4	No	58	N	08/19/09	--	--	1.91	2.99	1.08	0.305 U	0.0989 U	0.237 U	10.7	0.384 U	8.96
Shallow	PC-67	No	44	N	02/16/07	--	--	0.211 J	--	0.537 J	0.103 U	0.126 UJ	0 U	78.1	2.33	54.7
Shallow	PC-67	No	51	N	05/06/08	--	--	1.3	--	0.481 U	1 U	1 U	0.295	68.8	3.06 J	49.6 J
Shallow	PC-67	No	58	N	09/09/09	--	--	1.43	4.05	2.62 J	0.101 U	0.877	0.0589 U	76.3	2.62 J	56.5
Shallow	PC-76	No	51	N	05/14/08	--	--	1 U	--	0.416 U	0.459 U	0.212 U	0.0401 U	4.12	0.336	2.22 J-
Shallow	PC-76	No	58	N	09/21/09	--	--	1.28	2.68	1.4	0.137 U	0.037 U	-0.169 U	27	1.52	13.2
Shallow	PC-79	No	37	N	05/04/06	--	--	< 1 U	--	< 3 U	< 1 U	< 1 U	< 1 U	17.8	0.734	11.3
Shallow	PC-79	No	38	N	08/04/06	--	--	< 1 U	--	< 3 U	< 1 U	< 1 U	< 1 U	18.7	0.22	10.7
Shallow	PC-79	No	42	N	10/25/06	--	--	0.102 U	--	3 U	--	--	--	16.7	0.365	9.65
Shallow	PC-79	No	44	N	02/08/07	--	--	1 U	--	3 U	0.0424 U	0.105 U	0 U	15.2	0.303	9.61
Shallow	PC-79	No	58	N	08/27/09	--	--	0.453	1.2	0.743 U	0.0983 U	0.353 U	0.115 U	11.7	0.44 U	7.17
Shallow	PC-80	No	37	N	05/04/06	--	--	< 1 U	--	0.461 U	< 1 U	< 1 U	< 1 U	11.7	0.161	8.08
Shallow	PC-80	No	38	N	08/08/06	--	--	< 1 U	--	< 3 U	< 1 U	0.123 U	< 1 U	16	0.41	9.62
Shallow	PC-80	No	42	N	10/25/06	--	--	0.0733 U	--	3 U	--	--	--	14	0.191	8.59
Shallow	PC-80	No	44	N	02/05/07	--	--	0.0867 U	--	0.884 J	0.0129 U	0.11 U	-0.0122 U	10.5	0.168	7.06
Shallow	PC-80	No	51	N	04/29/08	--	--	0.61 U	--	0.464 U	0.136 U	0.0948 U	0.0766 U	15.2	1.44	10.3
Shallow	PC-80	No	58	N	08/27/09	--	--	4.36	4.86	0.502 U	0.423 U	0.59	0.358	15	0.681	9.95
Shallow	PC-81	No	37	N	05/05/06	--	--	< 1 U	--	0.728 U	< 1 U	< 1 U	< 1 U	21.7	0.704	13.6
Shallow	PC-81	No	38	N	08/08/06	--	--	< 1 U	--	< 3 U	< 1 U	< 1 U	< 1 U	19	0.324	10.5
Shallow	PC-81	No	42	N	10/26/06	--	--	0.167	--	3 U	--	--	--	15.5	0.321	9.95
Shallow	PC-81	No	44	N	02/08/07	--	--	-0.0248 U	--	3 U	-0.0402 U	0.0662 U	-0.0132 U	27.8	0.744	17.6
Shallow	PC-81	No	51	N	04/29/08	--	--	0.543 U	--	0.356 U	0.0798 U	0.364 U	-0.0187 U	16.6	1.44	11.4
Shallow	PC-81	No	58	N	09/01/09	--	--	1.08	3.54	2.46	-0.0808 U	0.388	0.0246 U	15.6	0.589 U	10.3
Shallow	PC-88	No	51	N	04/30/08	--	--	0.677	--	1.21	1.94 J	1 U	0.285 U	17.3 J	1.12	11.2
Shallow	PC-88	No	58	N	09/01/09	--	--	1.09	1.41	0.323 U	0.0884 U	0.257 U	-0.131 U	14.5	0.996	10.8
Shallow	PC-90	No	38	N	08/24/06	--	--	< 1 U	--	< 3 U	< 1 U	< 1 U	< 1 U	19.7	0.464	13
Shallow	PC-90	No	42	N	10/26/06	--	--	0.148 U	--	3 U	--	--	--	29.7	0.539	20.2
Shallow	PC-90	No	44	N	02/05/07	--	--	0.0616 U	--	0.782 J	-0.0151 U	0.144 U	0.0865 U	19.9	0.479	12.5
Shallow	PC-90	No	51	N	05/01/08	--	--	0.212 U	--	1.05	0.185 U	0.426 U	-0.0251 U	1.97	0.0667	1.15
Shallow	PC-90	No	58	N	09/09/09	--	--	1 U	1.25 U	0.247 UJ	0.0305 U	0.385	-0.0483 U	18.5	1.16 J	11.1
Shallow	PC-94	No	37	N	05/05/06	--	--	0.238 J+	--	< 3 U	< 1 U	< 1 U	< 1 U	13.3	0.534	8.13
Shallow	PC-94	No	38	N	08/07/06	--	--	< 1 U	--	0.611	< 1 U	0.115 U	< 1 U	2210 J-	50.9 J-	1550 J-
Shallow	PC-94	No	42	N	10/27/06	--	--	0.113 U	--	0.319 U	-0.0133 U	-0.0129 U	0 U	14.6	0.363	11.1
Shallow	PC-94	No	44	N	02/02/07	--	--	0.112 U	--	0.0601 U	0 U	0.112 U	-0.0149 U	13.8	0.204	8.51
Shallow	PC-94	No	51	N	04/30/08	--	--	0.481 U	--	2.84 J	2.07 J	0.236 U	-0.00399 U	15.2 J	1.48	10.9
Shallow	PC-94	No	58	N	09/09/09	--	--	1 U	1.27 U	0.266 UJ	-0.16 U	0.272 U	-0.166 U	17.2	1.08 J	9.97
Shallow	POD2-R	No	37	N	05/08/06	--	--	2.11 J+	--	0.552 U	< 1 U	< 1 U	< 1 U	44.5	1.17	30
Shallow	POD2-R	No	38	N	08/03/06	--	--	1.95	--	< 3 U	--	--	--	39	1.09	26.1
Shallow	POD2-R	No	42	N	10/20/06	--	--	--	--	0.395 U	-0.0146 U	0.0573 U	0 U	38.4	1.06	26.3
Shallow	POD2-R	No	44	N	01/26/07	--	--	2.7	--	0.369 U	0.138 U	0.0682 U	0 U	36.7	0.999	25.2
Shallow	POD2-R	No	51	N	04/23/08	--	--	4.59	--	1.03	0.2 U	-0.0455 U	0.111 U	25.6 J	0.999	19.2
Shallow	POD2-R	No	58	N	09/14/09	--	--	5.21	6.43	1.22 J	0.0823 U	0.161 U	-0.126 U	24.6	0.902	17.2
Shallow	POD8	No	37	N	04/28/06	--	--	0.519 J	--	0.465 J	< 1 U	< 1 U	< 1 U	25.6	0.59	17.4
Shallow	POD8	No	38	N	08/02/06	--	--	0.385	--	< 3 U	< 1 U	0.164	< 1 U	25.2	0.782	1

RADIONUCLIDE RESULTS
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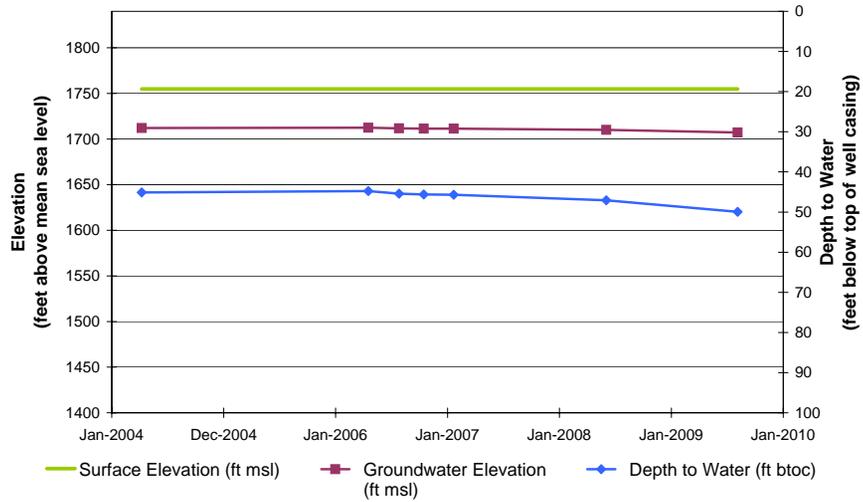
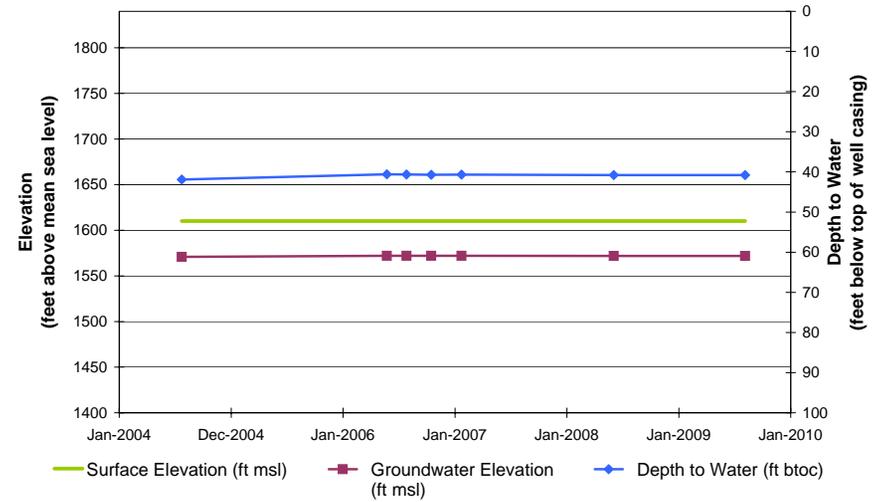
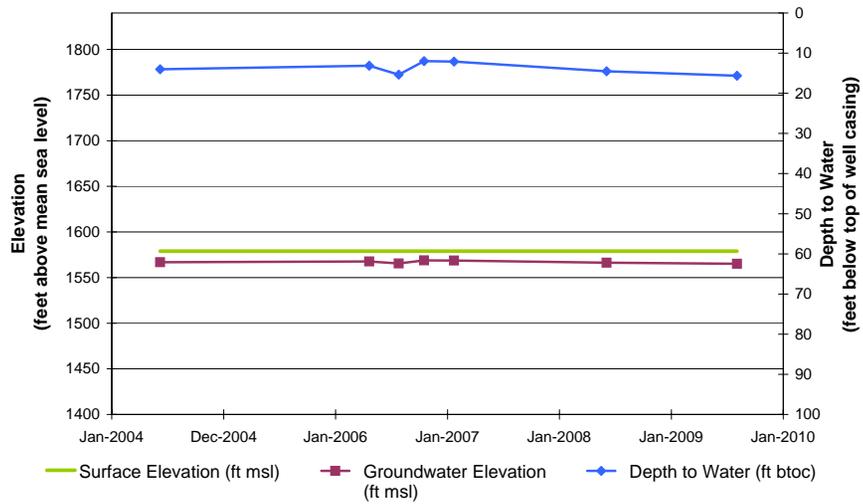
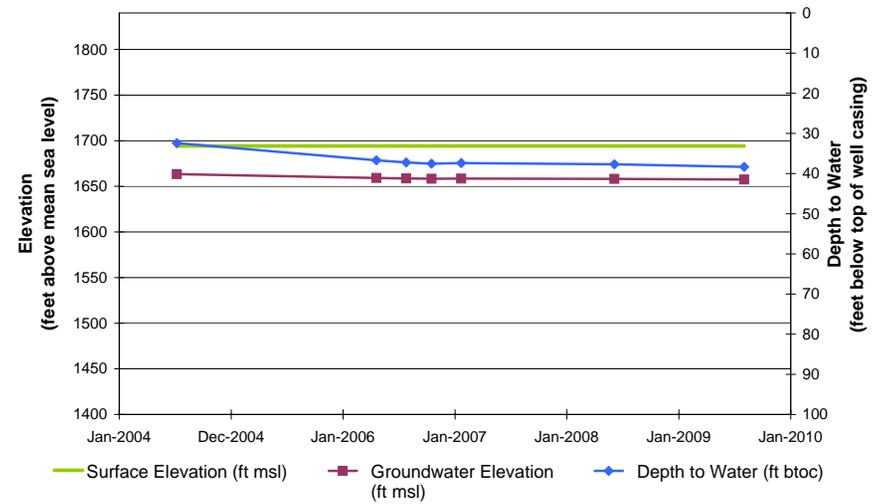
Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Units	Delta-D	Delta-O	Radium-226	Radium-226/228	Radium-228	Thorium-228	Thorium-230	Thorium-232	Uranium-233/234	Uranium-235/236	Uranium-238
						Pct	Pct	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L
						MCL	--	--	--	5	--	--	--	--	--	--	--
						BCL	--	--	--	--	--	--	--	--	--	--	--
Middle	COH-2	No	51	N	05/09/08	--	--	--	1.71	--	2.01	0.306 U	-0.0932 U	-0.0333 U	0.972	0.133 U	0.266 U
Middle	COH-2	No	58	N	08/13/09	--	--	--	1.96	4.34	2.38 J	0.0969 U	0.456	0.0235 U	1.18	0.121 U	0.196 UJ
Middle	MCF-02B	No	27	N	07/25/04	--	--	--	1.67	--	1.19	0.1 U	0.73 U	< 0.1 U	< 0.3 U	0.004 U	0.05 U
Middle	MCF-02B	No	37	N	05/05/06	--	--	--	< 1 U	--	< 3 U	< 1 U	< 1 U	< 1 U	2.62	0.0942 J	1.57
Middle	MCF-02B	No	38	N	08/21/06	--	--	--	< 1 U	--	0.849 U	< 1 U	< 1 U	< 1 U	2.68	< 0.1 U	1.46
Middle	MCF-02B	No	42	N	11/03/06	--	--	--	0.148 U	--	0.455 U	-0.0198 U	-0.0292 U	0 U	2.84	0.0706 U	1.62
Middle	MCF-02B	No	44	N	02/20/07	--	--	--	0.19 U	--	3 U	0.0388 U	0.0478 U	0.0478 U	3.39	0.141 U	1.51
Middle	MCF-02B	No	58	N	08/21/09	--	--	--	1.11	1.82	0.711 U	-0.101 U	0.164 U	-0.163 U	4.89	0.138 U	1.77
Middle	MCF-05	No	27	N	07/25/04	--	--	--	5.85 J+	--	4.05	0.08 U	1.68 U	0.15	0.95	0.1 U	0.56
Middle	MCF-05	No	37	N	05/17/06	--	--	--	1.81	--	1.68 J	< 1 U	< 1 U	< 1 U	0.448 J	< 0.1 U	0.237 J
Middle	MCF-05	No	38	N	08/10/06	--	--	--	0.61	--	1.58 U	< 1 U	< 1 U	< 1 U	0.465	< 0.1 U	0.248
Middle	MCF-05	No	42	N	11/14/06	--	--	--	1.74	--	1.6	2.3 U	2.22 U	2.22 U	0.3 U	-0.00434 U	0.313
Middle	MCF-05	No	44	N	01/31/07	--	--	--	2.07	--	1.64 J	0.976 U	1 U	0.751 J	0.14 U	0 U	0.217 U
Middle	MCF-05	No	51	N	04/30/08	--	--	--	3.32	--	1.45	0.121 U	0.254 U	0.0803 U	2.24 J	0 U	1.12
Middle	MCF-05	No	58	N	08/28/09	--	--	--	0.696	3.72	3.02	-0.0717 U	0.0035 U	-0.0405 U	0.23 U	0.168 U	0.273 U
Middle	MCF-08B-R	No	58	N	08/21/09	--	--	--	1.52	2.6	1.08	0.0572 U	-0.057 U	-0.0785 U	0.249 U	0.0979 U	0.139 U
Middle	MCF-08B-R	No	58	FD	08/21/09	--	--	--	1.27	2.25	0.979 U	-0.188 U	-0.14 U	-0.147 U	0.473 U	0.0815 U	0.305 U
Middle	MCF-09B	No	27	N	07/20/04	--	--	--	0.76	--	0.29 U	0.04 U	0.5 U	0.056 U	1.58	0.1 U	1.13
Middle	MCF-09B	No	37	N	05/03/06	--	--	--	1.21 J+	--	0.594 U	< 1 U	< 1 U	< 1 U	0.62 J	< 0.1 U	0.567 J
Middle	MCF-09B	No	38	N	08/04/06	--	--	--	1.23	--	< 3 U	< 1 U	< 1 U	< 1 U	0.451	< 0.1 U	0.448
Middle	MCF-09B	No	42	N	10/25/06	--	--	--	1.34	--	3 U	--	--	--	0.697	0.018 U	0.649
Middle	MCF-09B	No	44	N	02/12/07	--	--	--	1.15	--	0.528 U	-0.0108 U	-0.0107 U	0 U	0.739 J	0.0352 U	0.359 J
Middle	MCF-09B	No	58	N	08/17/09	--	--	--	1.64	3.28	1.64 J	-0.0896 U	0.0991 U	-0.277 U	1.14	0.189 U	0.995
Middle	MCF-09B	No	58	FD	08/17/09	--	--	--	1.85	2.53	0.683 UJ	0.00248 U	0.0588 U	-0.0548 U	0.574	-0.0206 U	0.402 U
Middle	MCF-10B	No	27	N	07/21/04	--	--	--	0.3	--	0.71 U	0.07 U	0.35 U	< 0.1 U	2.46	0.14 U	0.027 U
Middle	MCF-10B	No	37	N	05/18/06	--	--	--	0.635 J	--	0.868 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.1 U	0.323 J
Middle	MCF-10B	No	38	N	08/15/06	--	--	--	0.386	--	< 3 U	--	--	--	0.39	< 0.1 U	0.213
Middle	MCF-10B	No	42	N	11/10/06	--	--	--	0.442	--	0.512 U	-0.0234 U	0 U	0 U	0.39	-0.00609 U	0.213 U
Middle	MCF-10B	No	44	N	02/27/07	--	--	--	0.428 J	--	0.376 U	0 U	0 U	0 U	0.644 J	-0.00678 U	0.339 J
Middle	MCF-10B	No	51	N	05/08/08	--	--	--	4.15	--	0.641	0.133 U	0.147 U	0.0448 U	0.791	0.174 U	0.752
Middle	MCF-10B	No	58	N	08/18/09	--	--	--	1.2	1.83	0.632 U	0.0414 U	0.284 U	-0.0894 U	0.65	-0.0194 U	0.837
Middle	MCF-11	No	27	N	07/27/04	--	--	--	0.98	--	0.28 U	0.11 U	0.54 U	0.008 U	1.28	< 0.2 U	0.89
Middle	MCF-11	No	37	N	05/16/06	--	--	--	1.44	--	0.496 J	< 1 U	< 1 U	< 1 U	0.28 J	< 0.1 U	0.297 J
Middle	MCF-11	No	38	N	08/18/06	--	--	--	0.575	--	1.83 U	< 1 U	< 1 U	< 1 U	0.198 U	< 0.1 U	0.219
Middle	MCF-11	No	42	N	10/27/06	--	--	--	1 U	--	0.205 U	0.0194 U	0.047 U	0 U	0.337	0.012 U	0.144
Middle	MCF-11	No	44	N	02/23/07	--	--	--	1.1	--	0.421 UJ	-0.0665 U	0.0261 U	-0.0522 U	0.656 J	-0.0133 U	0.345 J
Middle	MCF-11	No	51	N	05/07/08	--	--	--	1.36	--	0.236 U	0.475 U	-0.0638 U	-0.00399 U	0.341	-0.0144 U	0.037 U
Middle	MCF-11	No	58	N	08/17/09	--	--	--	2.27	2.85	0.576 UJ	-0.0792 U	-0.0921 U	0.0126 U	0.129 U	-0.0424 U	-0.0686 U
Middle	MCF-12C	No	27	N	07/21/04	--	--	--	0.47	--	0.33 U	< 0.5 U	0.11 U	0.13 U	1.6	0.1 U	1.11
Middle	MCF-12C	No	37	N	05/22/06	--	--	--	0.377 J	--	0.64 U	< 1 U	< 1 U	< 1 U	1.33	< 0.1 U	0.732 J
Middle	MCF-12C	No	38	N	08/10/06	--	--	--	0.197	--	< 3 U	< 1 U	< 1 U	< 1 U	1.77	< 0.1 U	1.14
Middle	MCF-12C	No	42	N	11/03/06	--	--	--	0.461	--	0.248 U	-0.00967 U	0.0856 U	0 U	1.57	0.0326 U	1.53
Middle	MCF-12C	No	44	N	02/22/07	--	--	--	0.332 J	--	0.373 UJ	0.0252 U	0.0247 U	-0.0123 U	1.39	0.0552 U	1.49
Middle	MCF-12C	No	51	N	05/09/08	--	--	--	0.776	--	0.911	0.184 U	0.126 U	0.247 U	1.75	0.047 U	1.53
Middle	MCF-12C	No	58	N	08/19/09	--	--	--	1.05	2.23	1.18	-0.0804 U	-0.0783 U	-0.0722 U	1.55	-0.044 U	2.1
Middle	MCF-16B	No	27	N	07/23/04	--	--	--	0.97	--	0.84	0.06 U	0.23 U	0.027 U	0.057 U	0.021 U	0.11
Middle	MCF-16B	No	37	N	05/19/06	--	--	--	2.54 J	--	2.97 J	< 1 U	< 1 U	< 1 U	1.68	< 0.1 U	0.641 J
Middle	MCF-16B	No	38	N	08/23/06	--	--	--	2.98	--	3.24 U	--	--	--	1.21	< 0.1 U	0.69
Middle	MCF-16B	No	42	N	11/06/06	--	--	--	2.61	--	2.96	-0.0531 U	-0.0347 U	0 U	0.922	0.0165 U	0.428
Middle	MCF-16B	No	44	N	02/20/07	--	--	--	2.97	--	4.78	0.87 U	0.286 U	0 U	1.47	0 U	0.448 J
Middle	MCF-16B	No	51	N	05/19/08	--	--	--	4.47	--	4.9	0.411 U	0.0954 U	0.042 U	1.01	0.109 U	0.423
Middle	MCF-16B	No	58	N	09/30/09	--	--	--	3.24	9.35	6.11 J	0.249 U	0.603 U	-0.0193 U	1.38	0.104 U	0.338 U
Middle	MCF-24B	No	58	N	10/05/09	--	--	--	0.644	1.85	1.21 J	-0.0577 U	-0.259 U	-0.00964 U	0.285 U	0 U	0.129 U
Middle	MCF-28B	No	58	N	10/01/09	--	--	--	1.72	3.55	1.83 UJ	0.177 U	-0.128 U	0.0779 U	0.584	0.0884 U	0.644
Middle	MCF-29B	No	58	N	10/09/09	--	--	--	1.44	7.3	5.86 J	0.347	0.183 U	-0.0978 U	1.96	0.0543 U	1.05
Middle	MCF-30B	No	58	N	10/05/09	--	--	--	7.24	12.9	5.69 J	0.143 U	0.0961 U	-0.00964 U	0.828	0.105 U	0.93
Middle	MCF-31B	No	58	N	10/09/09	--	--	--	1.1	3.57	2.47 J	0.226 U	0.21 U	-0.00964 U	0.516 U	0.213	0.575
Middle	MCF-32B	No	58	N	10/02/09	--	--	--	1.5	4.47	2.97 J	0.379 U	1 U	0.304 U	0.373 U	0.000000106 U	0.252 U
Deep	MCF-01A	No	27	N	07/25/04	--	--	--	0.46	--	0.86	0.14	0.47 U	0.043 U	0.07 U	< 0.2 U	0.06 U
Deep	MCF-01A	No	37	N	05/30/06	--	--	--	1.04 J-	--	1.17 J	< 1 U	< 1 U	< 1 U	< 1 U	< 0.1 U	< 1 U
Deep	MCF-01A	No	38	N	08/07/06	--	--	--	0.312	--	< 3 U	< 1 U	0.171 U	< 1 U	< 1 U	< 0.1 U	< 1 U
Deep	MCF-01A	No	42	N	10/24/06	--	--	--	0.352	--	0.387 U	0.0913 U	-0.00987 U	0.0494 U	0.0359 U	-0.012 U	-0.012 U
Deep	MCF-01A	No	44	N	02/02/07	--	--	--	0.376 J	--	0.655 J	0.033 U	-0.0163 U	0 U	0.0183 U	0.0305 U	-0.0061 U
Deep	MCF-01A	No	58	N	08/10/09	--	--	--	1.08	1.48	0.404 U	-0.0713 U	0.45	0.00465 U	0.203 U	0.191 UJ	0.408 U
Deep	MCF-02A	No	27	N	07/15/04	--	--	--	0.12 U	--	0.4 U	< 0.4 U	0.12 U	0.019 U	1.44	0.04 U	0.63
Deep	MCF-02A	No	37	N	05/10/06	--	--	--	< 1 U	--	< 3 U	< 1 U	< 1 U	< 1 U	1.12	< 0.1 U	0.628 J
Deep	MCF-02A	No	38	N	08/04/06	--	--	--	< 1 U	--	< 3 U	< 1 U	< 1 U	< 1 U	1.07	< 0.1 U	0.857
Deep	MCF-02A	No	42	N	11/07/06	--	--	--	0.109 U	--	0.45 U	-0.0125 U	0 U	0 U	0.92	0.0331 U	0.826
Deep	MCF-02A	No	44	N	02/15/07	--	--	--	0.035 U	--	0.356 U	0.0424 U	0.0934 UJ	0.104 U	1.37	0.0862 U	0.511 J
Deep	MCF-02A	No	51	N	05/02/08	--	--	--	0.624	--	0.379 U	0.166 U	0.0295 U	0.0858 U	0.0986	0.00537 U	0.0775
Deep	MCF-02A	No	58	N	08/21/09	-100.6	-12.73	0.506 U	0.904 U	0.398 U	-0.121 U	-0.0456 U	0.0936 U	1.2	0 U	0.91	
Deep	MCF-03A	No	27	N	07/13/04	--	--	--	0.64	--	0.46 U	0.65 U	1.6 U	0.25 U	2.04 J+	0.32 J+	1.73
Deep	MCF-03A	No	37	N	06/07/06	--	--	--	0.407 J-	--	0.602 J	0.324 J	0.217 J	< 1 U	1.05	< 0.1 U	0.652 J
Deep	MCF-03A	No	38	N	08/14/06	--	--	--	< 1 U	--	< 3 U	< 1 U	< 1 U	< 1 U	0.691	< 0.1 U	0.373
Deep	MCF-03A	No	42	N	11/02/06	--	--	--	0.0759 U	--	0.456	0.0198 U	-0.00967 U	0.0193 U	0.616	0 U	0.454
Deep	MCF-03A	No	44	N	02/27/07	--	--	--	0.0176 U	--	0.264 U	0 U	0 U	0 U	1.17	0.0312 U	

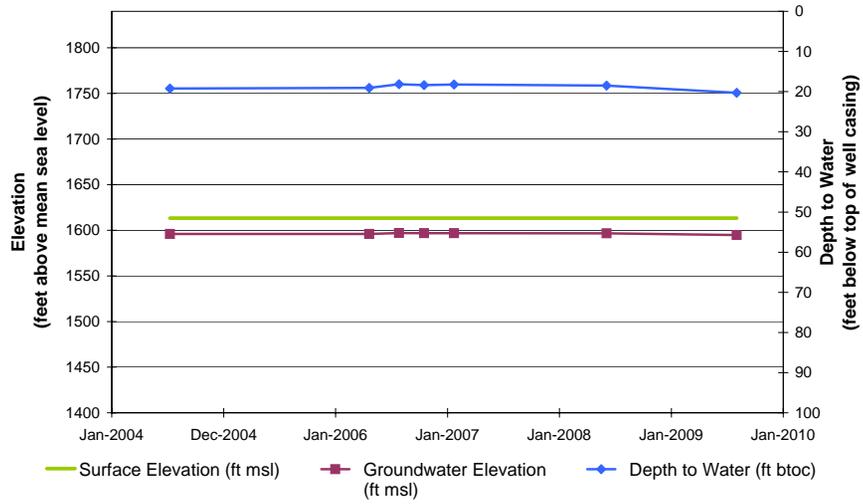
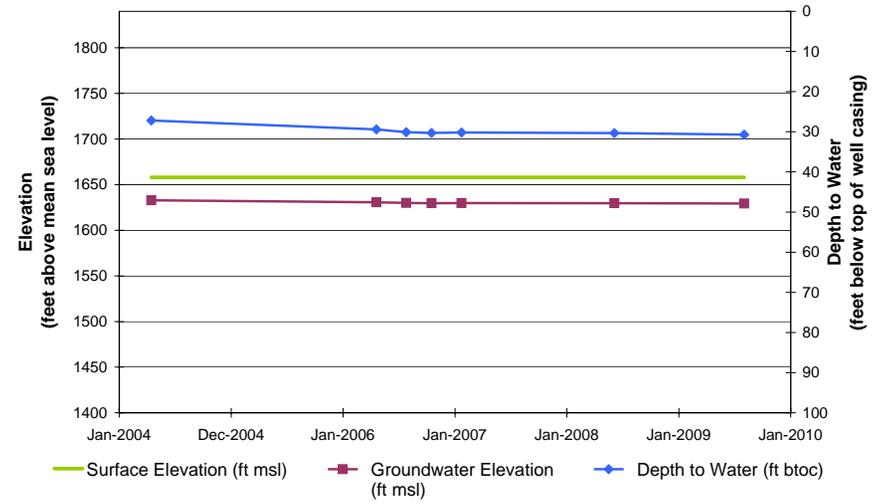
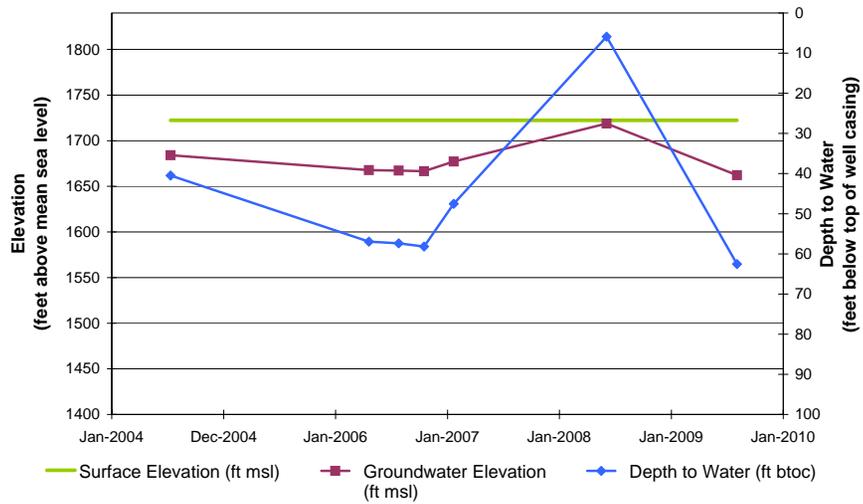
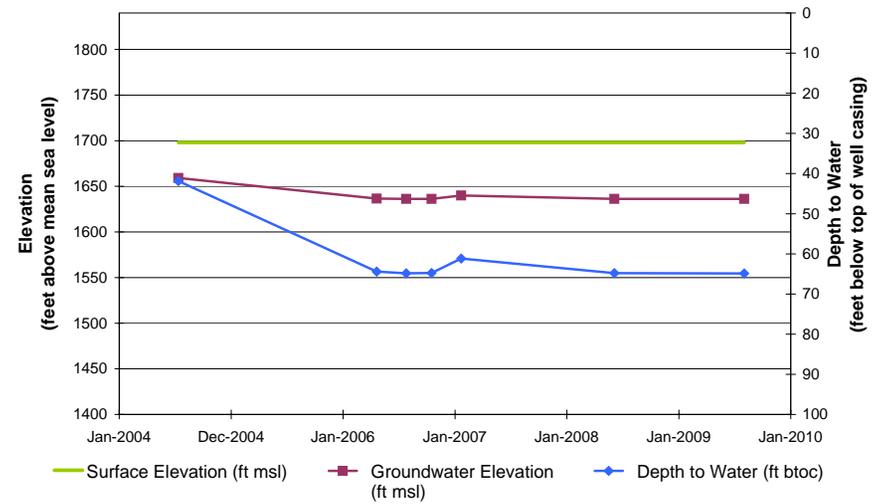
RADIONUCLIDE RESULTS
2009 GROUNDWATER MONITORING EVENT
BMI COMMON AREAS (EASTSIDE), CLARK COUNTY, NEVADA
 (Page 5 of 5)

Water-Bearing Zone	Well ID	Filtered?	DVSR	Sample Type	Sample Date	Units	Delta-D	Delta-O	Radium-226	Radium-226/228	Radium-228	Thorium-228	Thorium-230	Thorium-232	Uranium-233/234	Uranium-235/236	Uranium-238
						Pct	Pct	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L
						MCL	--	--	--	5	--	--	--	--	--	--	--
						BCL	--	--	--	--	--	--	--	--	--	--	--
Deep	MCF-10A	No	27	N	07/21/04	--	--	--	--	0.14 U	0.14 U	0.26 U	0.021 U	0.83 U	0.003 U	0.41	
Deep	MCF-10A	No	37	N	05/31/06	--	--	< 1 UJ	--	1.57 J	< 1 U	< 1 U	< 1 U	1.11	< 0.1 U	1.15	
Deep	MCF-10A	No	38	N	08/21/06	--	--	0.923	--	0.896 U	< 1 U	< 1 U	< 1 U	0.994	< 0.1 U	0.919	
Deep	MCF-10A	No	42	N	11/14/06	--	--	1.24	--	0.57	--	--	--	1.13	0 U	0.746	
Deep	MCF-10A	No	44	N	02/16/07	--	--	1.36	--	1.77 J	0.0796 U	0.189 UJ	0.0946 U	0.845 J	0 U	0.422 J	
Deep	MCF-10A	No	51	N	05/23/08	--	--	1.5	--	0.528 U	1 U	0.223 U	-0.0327 U	1 U	-0.0295 U	1 U	
Deep	MCF-10A	No	58	N	08/31/09	--	--	0.813	1.99	1.18	0.287 U	0.764	0.112 U	0.0673 U	0.101 U	0.369 U	
Deep	MCF-12A	No	27	N	07/22/04	--	--	0.4	--	0.68 U	0.08 U	0.42 U	< 0.05 U	0.18 U	< 0.1 U	0.037 U	
Deep	MCF-12A	No	37	N	05/18/06	--	--	0.558 J	--	1.09 U	< 1 U	< 1 U	< 1 U	0.122 J	< 0.1 U	< 1 U	
Deep	MCF-12A	No	38	N	08/10/06	--	--	0.343	--	0.864 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.1 U	< 1 U	
Deep	MCF-12A	No	42	N	11/10/06	--	--	0.524	--	0.834	-0.017 U	-0.033 U	0 U	0.198 U	0.0137 U	0.0547 U	
Deep	MCF-12A	No	44	N	02/23/07	--	--	0.526 J	--	0.766 J	-0.0668 U	0 U	0 U	0.179 J	-0.00619 U	0.173 U	
Deep	MCF-12A	No	51	N	05/08/08	--	--	1.34	--	1.23	0.815	0.351 U	-0.00399 U	0.344	-0.0151 U	0.203	
Deep	MCF-12A	No	58	N	08/27/09	--	--	1.23	1.63	0.395 U	-0.117 U	0.398	0.0363 U	0.156 U	-0.0443 U	0.0388 U	
Deep	MCF-16A	No	27	N	07/23/04	--	--	3.34	--	2.63	0.03 U	0.33 U	0.039 U	2.41	< 0.2 U	1.81	
Deep	MCF-16A	No	37	N	05/18/06	--	--	3.97 J	--	3.23	< 1 U	< 1 U	< 1 U	2.11	< 0.1 U	1.64	
Deep	MCF-16A	No	38	N	08/21/06	--	--	4.86	--	4.24	--	--	--	1.52	< 0.1 U	0.502	
Deep	MCF-16A	No	42	N	11/06/06	--	--	5.42	--	6.29	0.0518 U	-0.0508 U	0 U	1.64	-0.00625 U	0.868	
Deep	MCF-16A	No	44	N	02/16/07	--	--	6.13	--	4.95	0.204 J+	0.0343 U	-0.00823 U	0.738 J	0.0906 U	0.602 J	
Deep	MCF-16A	No	51	N	05/19/08	--	--	4.16	--	9.91	0.376 U	-0.0805 U	0.0393 U	1.97	0.18 U	2.05	
Deep	MCF-16A	No	58	N	10/05/09	--	--	6.51	16.1	9.57 J	0.597	0.243 U	-0.00964 U	0.615	-0.0596 U	0.723	
Deep	MCF-17A	No	58	N	09/29/09	--	--	4.22	9.92	5.7 J	-0.118 U	-0.0394 U	0.0284 U	0.262 U	0.199	0.0536 U	
Deep	MCF-17A	No	58	FD	09/29/09	--	--	4.23	7.93	3.7 J	0.171	-0.136 U	-0.0193 U	0.54 U	-0.114 U	0.0461 U	
Deep	MCF-18A	No	51	N	07/18/08	--	--	22.8	--	13.7 J-	0.223 U	0.0271 U	-0.0156 U	2.6 J	0.31 U	0.753	
Deep	MCF-18A	No	58	N	09/21/09	-65	-3.19	19.6	29.8	10.2	0.284 U	-0.24 U	-0.00964 U	0.999	0.0292 U	0.638	
Deep	MCF-18A	No	58	FD	09/21/09	-65.9	-3.52	22.5	32.1	9.61	0.671 U	0.39	0.0267 U	1.5	0.0143 U	0.489	
Deep	MCF-19A	No	58	N	09/03/09	--	--	1.97	4.54	2.57	-0.224 U	-0.0182 U	-0.142 U	2.52 J	0.126 U	1.12	
Deep	MCF-19A	No	58	FD	09/03/09	--	--	1.12	3.63	2.51	0.00547 U	-0.032 U	-0.0483 U	0.319 UJ	-0.246 U	0.547 U	
Deep	MCF-20A	No	51	N	07/18/08	--	--	3.12	--	3.19 J-	0.585 U	0.14 U	0.0552 U	1.29 J	0.16 U	0.486 U	
Deep	MCF-20A	No	58	N	09/03/09	--	--	1.59	4.61	3.02	0.108 U	-0.252 U	-0.327 U	0.235 U	-0.0569 U	0.23 U	
Deep	MCF-21A	No	51	N	07/23/08	--	--	3.63	--	6.51	0.497 U	0.189 U	0.00322 U	0.177 U	0.168 U	0.087 U	
Deep	MCF-21A	No	58	N	08/25/09	--	--	17.1	28.4	11.3	0.909 U	0.326 U	-0.0483 U	0.985	0.0389 U	-0.0629 U	
Deep	MCF-22A	No	51	N	07/23/08	--	--	1.52	--	0.697	-0.0637 U	-0.02 U	0.0196 U	0.764	0.13 U	0.165 U	
Deep	MCF-22A	No	58	N	10/09/09	--	--	2.25	1.84	-0.413 UJ	-0.0115 U	0.256 U	-0.00964 U	0.0959 U	0.115 U	0.0622 U	
Deep	MCF-23A	No	58	N	10/05/09	--	--	2.16	4.6	2.44 J	0.0413 U	-0.363 U	-0.062 U	1.02	0.121 U	0.784	
Deep	MCF-24A	No	51	N	07/28/08	--	--	8.76	--	5.19 J-	0.0322 U	-0.023 U	-0.086 U	1.86	0.076 U	0.466	
Deep	MCF-24A	No	58	N	08/28/09	--	--	2.87	8.11	5.24	0.0392 U	0.000457 U	-0.0598 U	1.67	0.129 U	0.871	
Deep	MCF-25A	No	51	N	07/28/08	--	--	0.487	--	1 UJ	0.505 U	0.122 U	0.108 U	1 U	-0.0166 U	0.391	
Deep	MCF-25A	No	58	N	08/28/09	--	--	0.753	1.33	0.579 U	-0.046 U	-0.0836 U	0.108 U	0.748	-0.0422 U	0.331	
Deep	MCF-27	No	27	N	07/26/04	--	--	1.08	--	0.83	0.09 U	1.22 U	0.05 U	0.05 U	0.006 U	0.037 U	
Deep	MCF-27	No	37	N	05/19/06	--	--	< 1 UJ	--	0.521 U	< 1 U	< 1 U	< 1 U	0.596 J	< 0.1 U	0.421 J	
Deep	MCF-27	No	38	N	08/02/06	--	--	< 1 U	--	0.643	< 1 U	< 1 U	< 1 U	0.772	0.107	0.429	
Deep	MCF-27	No	42	N	10/20/06	--	--	--	--	0.337 U	0 U	0.28	0 U	0.595	0.0251 U	0.558	
Deep	MCF-27	No	44	N	02/20/07	--	--	0.0864 U	--	3 U	0.119 U	0.118 U	0.0589 U	0.794 J	0.0514 U	0.543 J	
Deep	MCF-27	No	51	N	05/19/08	--	--	0.393 U	--	0.455 U	0.166 U	-0.0214 U	0.0189 U	0.589	0.0538 U	0.488	
Deep	MCF-27	No	58	N	09/14/09	--	--	0.453	1.22	0.762 UJ	-0.0249 U	0.00133 U	0.0568 U	1.16	0.0704 U	0.228 U	
Deep	MCF-28A	No	58	N	09/29/09	--	--	24.9	40.4	15.5 J+	0.0268 U	-0.0417 U	0.0282 U	0.473 U	0.132 U	0.107 U	
Deep	MCF-29A	No	58	N	09/29/09	-77.5	-6.59	0.566 U	4.15	3.58 J+	-0.391 U	1 U	-0.28 U	0.541 U	0 U	0.35 U	
Deep	MCF-30A	No	58	N	10/05/09	-64.1	-3.5	1.06	3.24	2.18 J	-0.0106 U	-0.207 U	0.0948 U	0.457 U	0.107 U	0.646	
Deep	MCF-31A	No	58	N	09/29/09	-66.5	-3.47	1.19	4.57	3.38 J+	0.295 U	1 U	-0.0193 U	1.73	0.253 U	1.07	

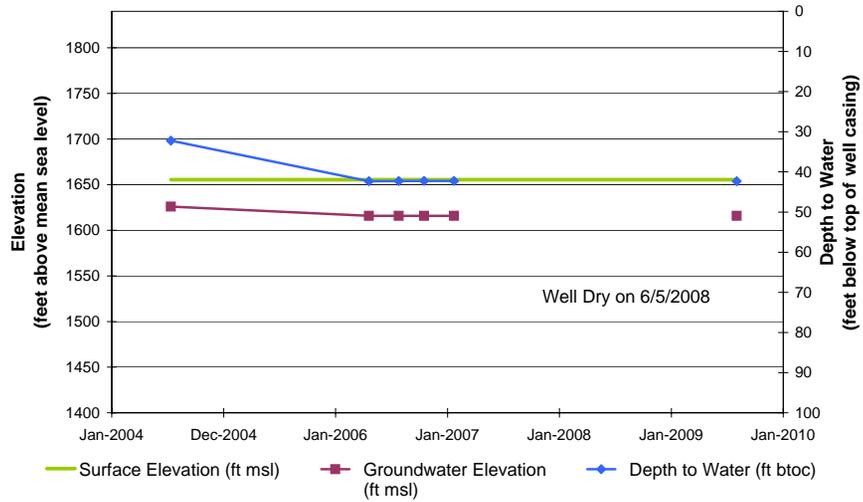
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Appendix D
Well Hydrographs

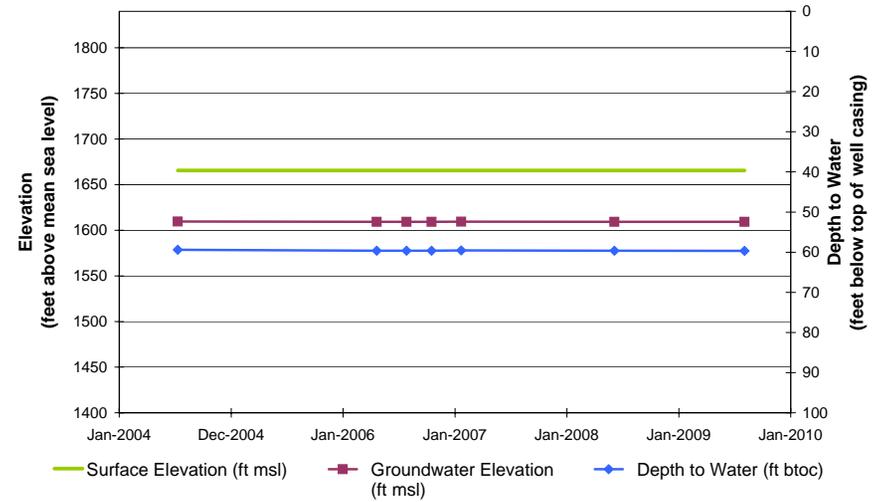
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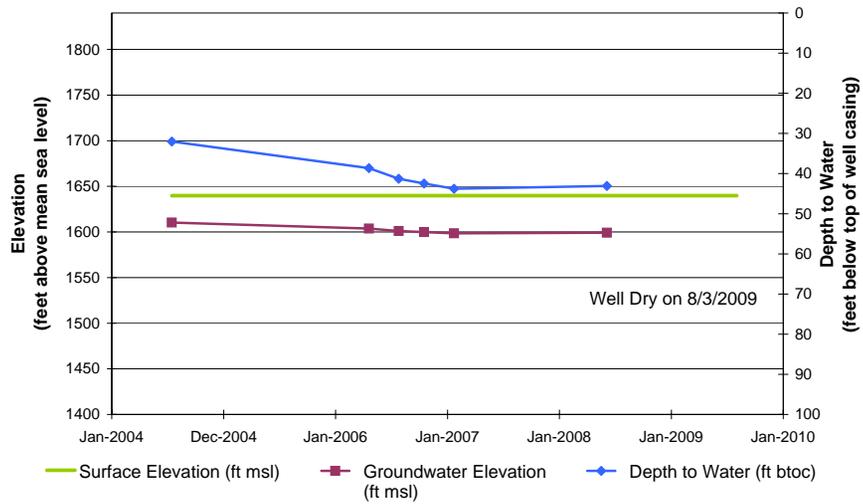
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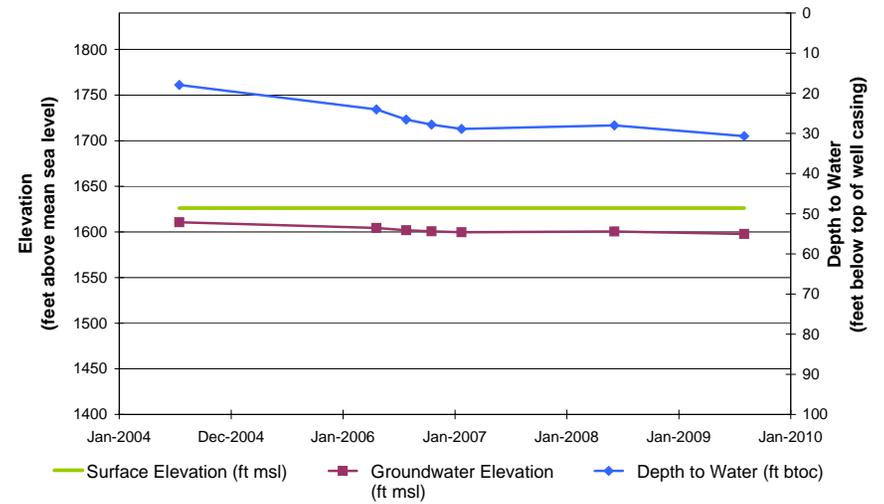
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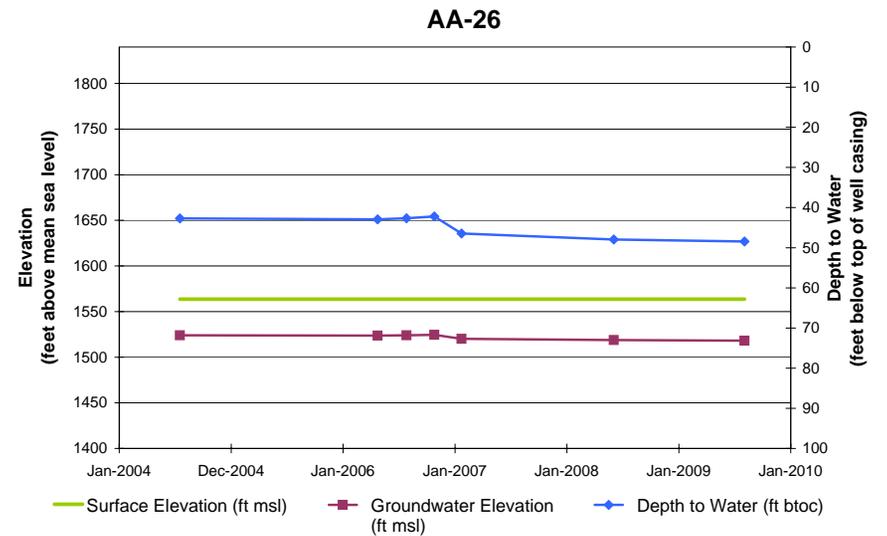
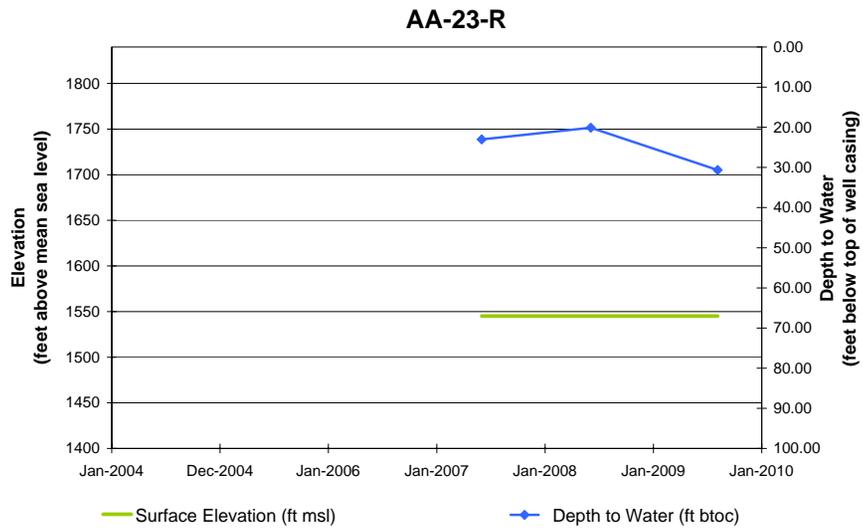
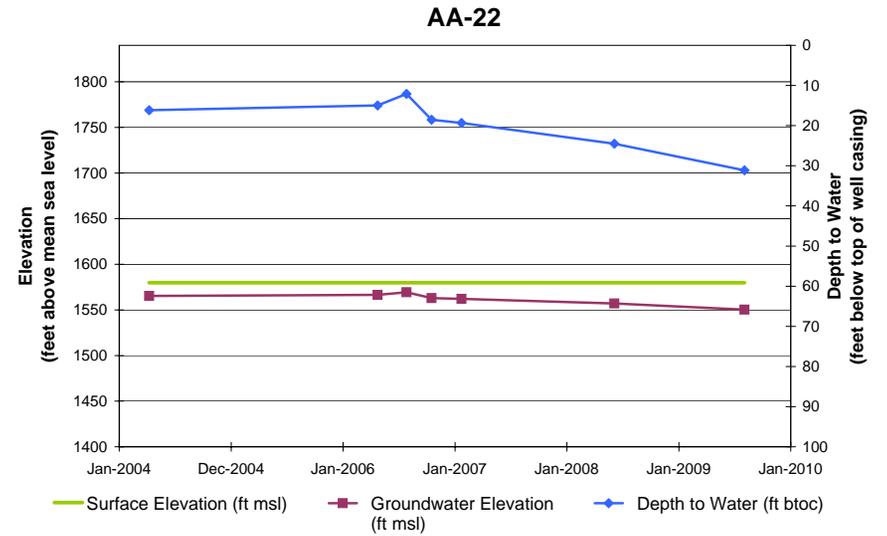
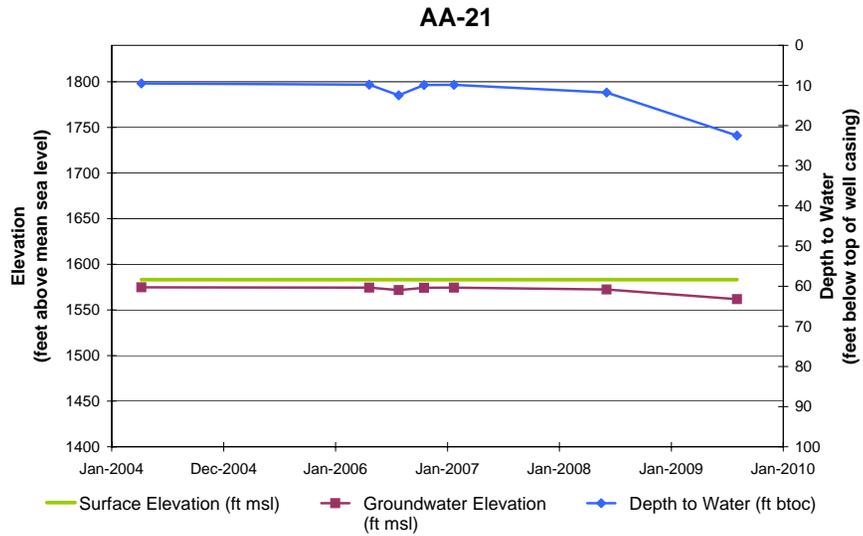


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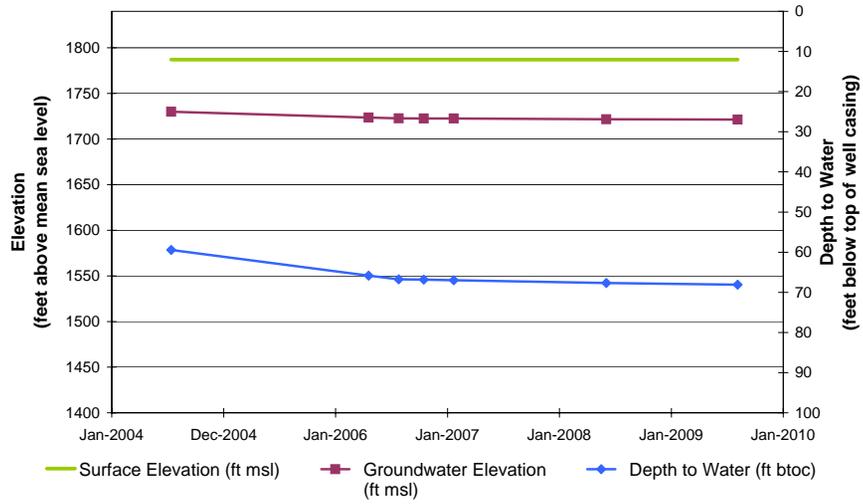


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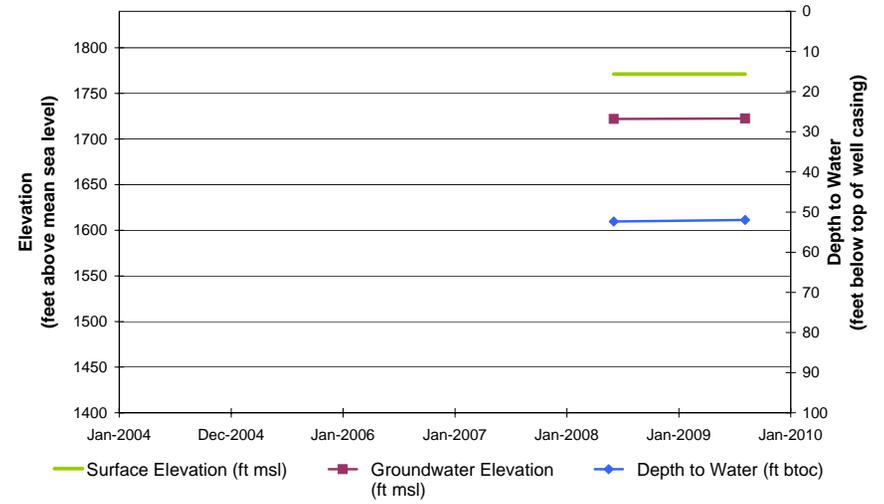




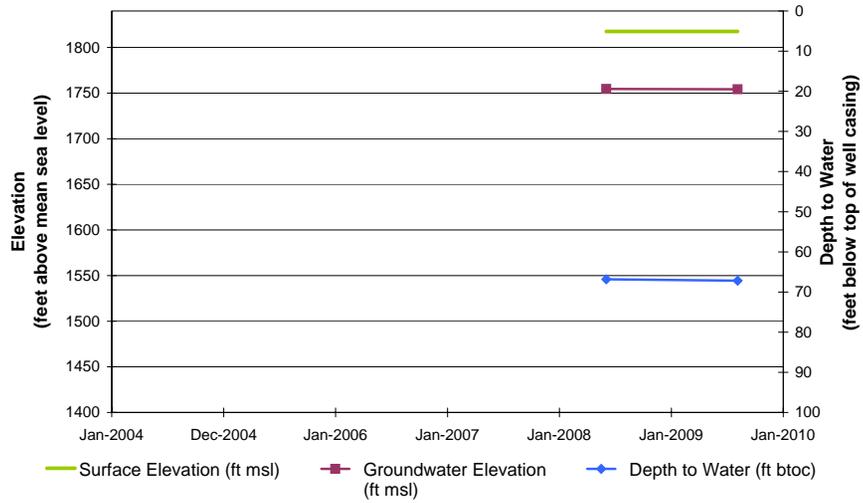
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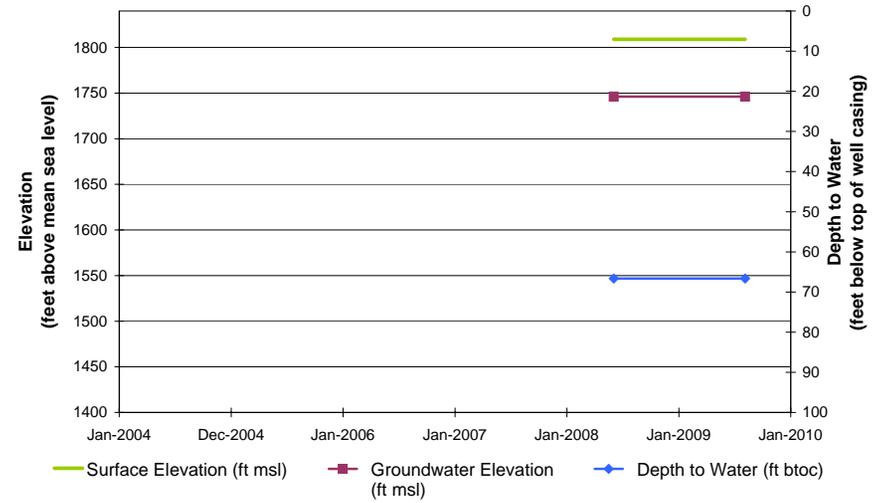
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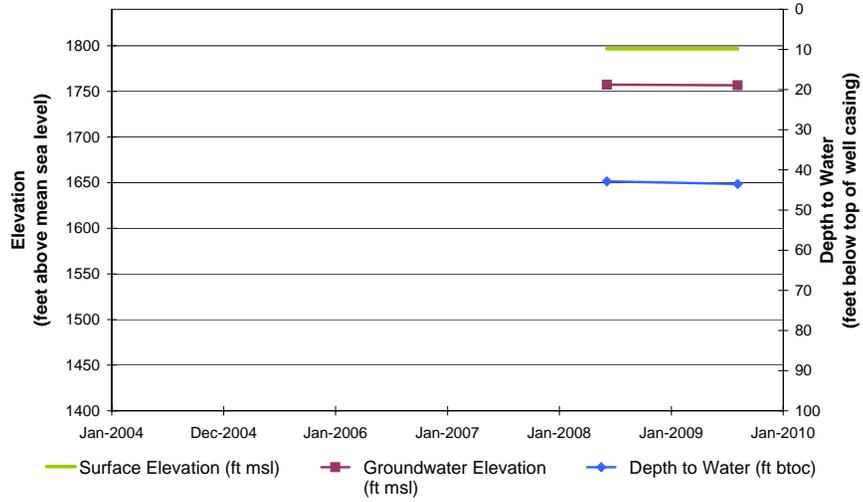
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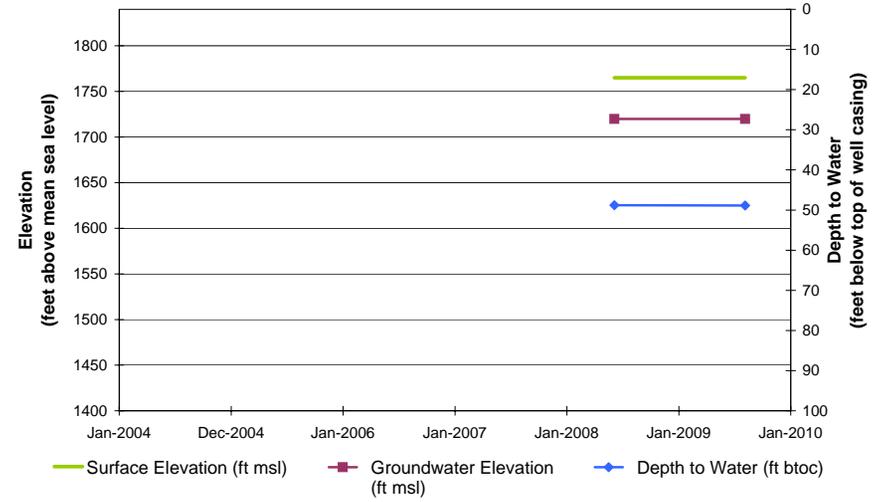
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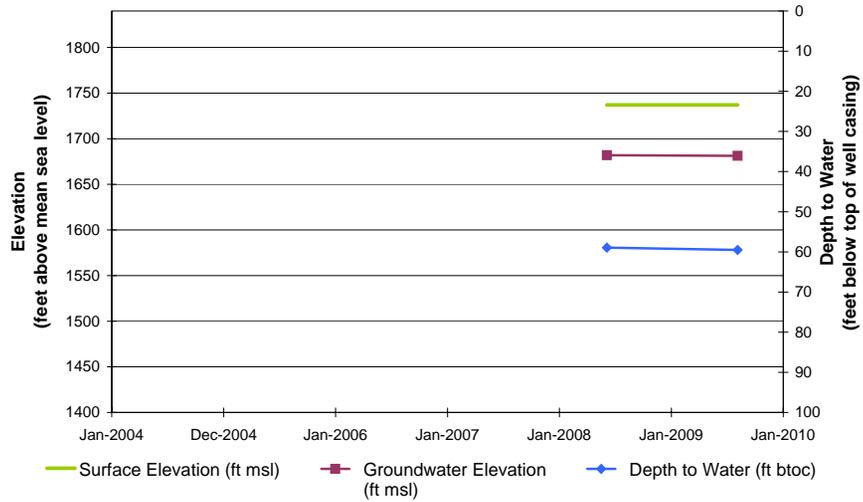
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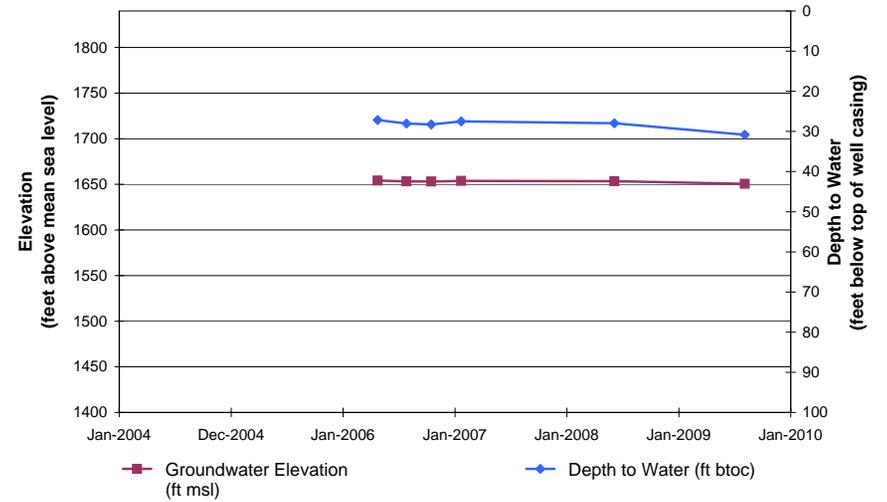
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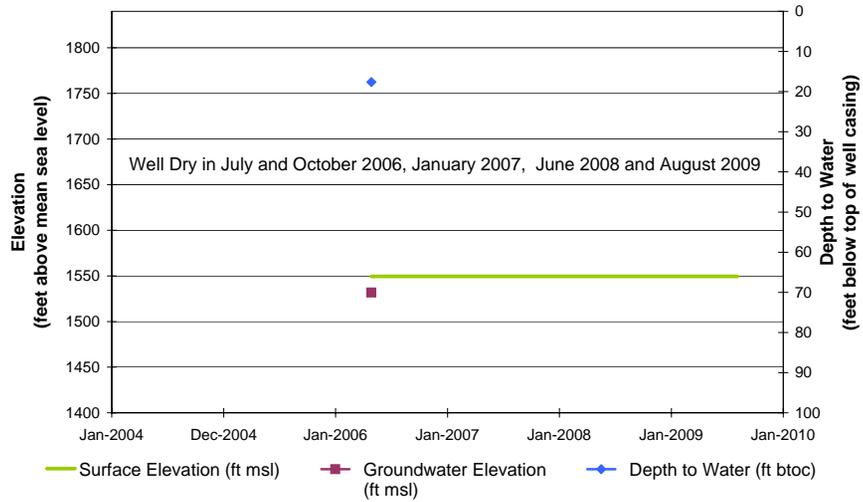
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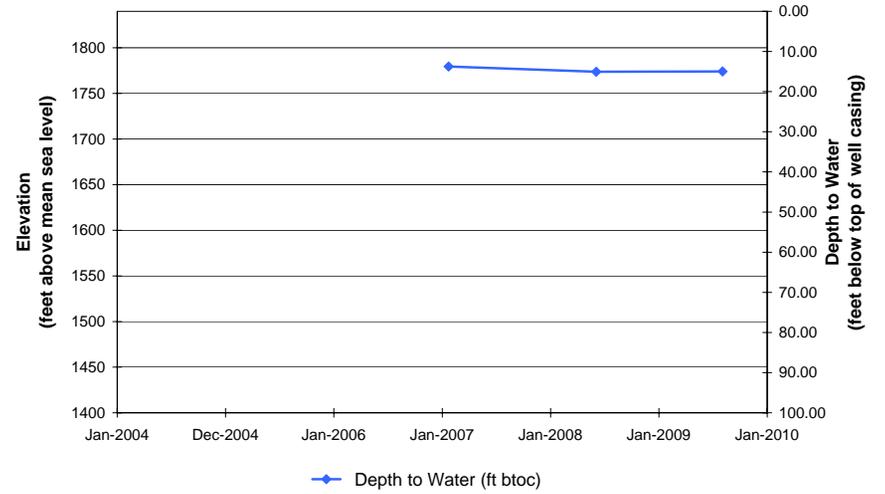
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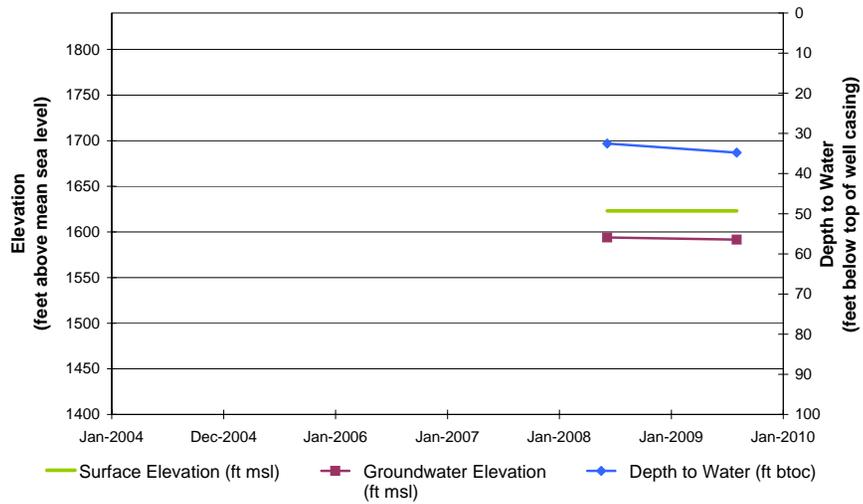
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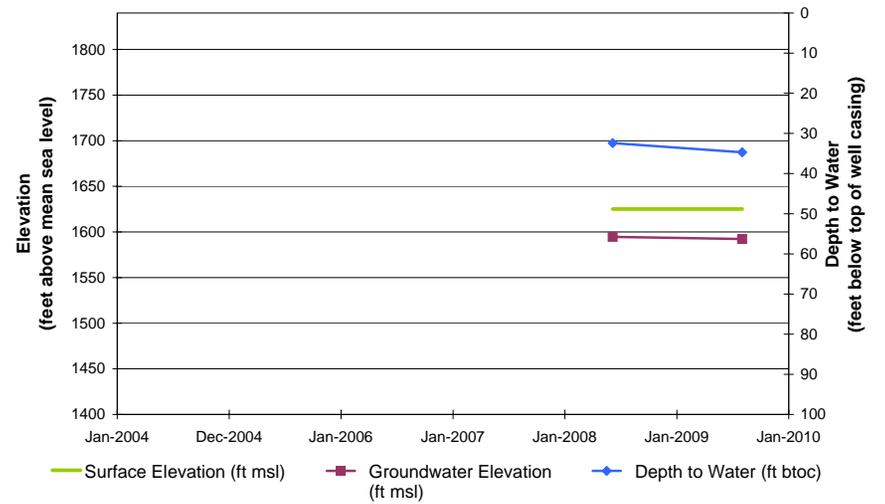
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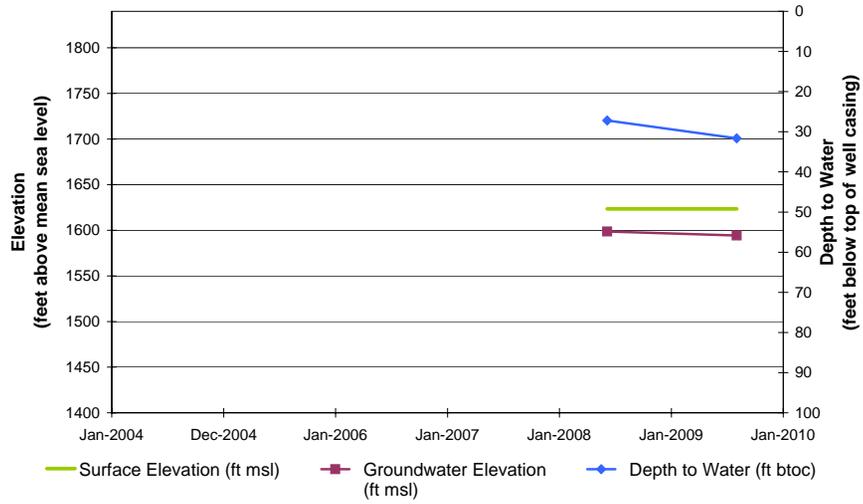
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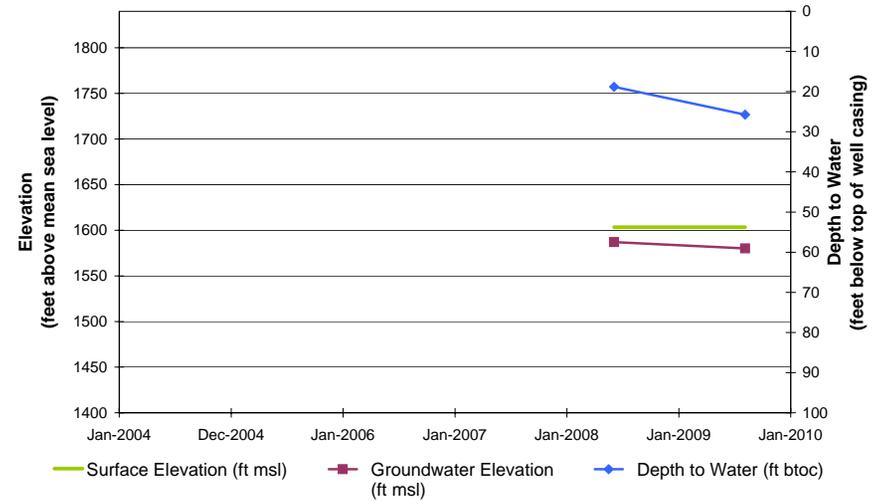
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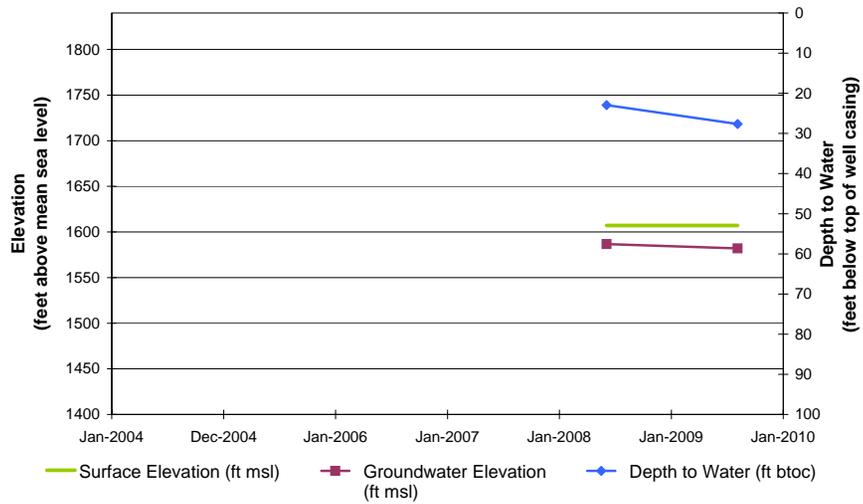
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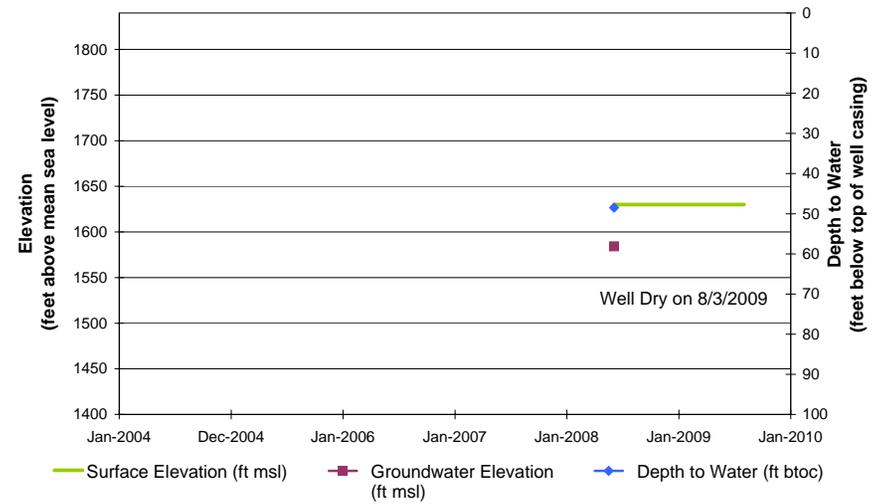
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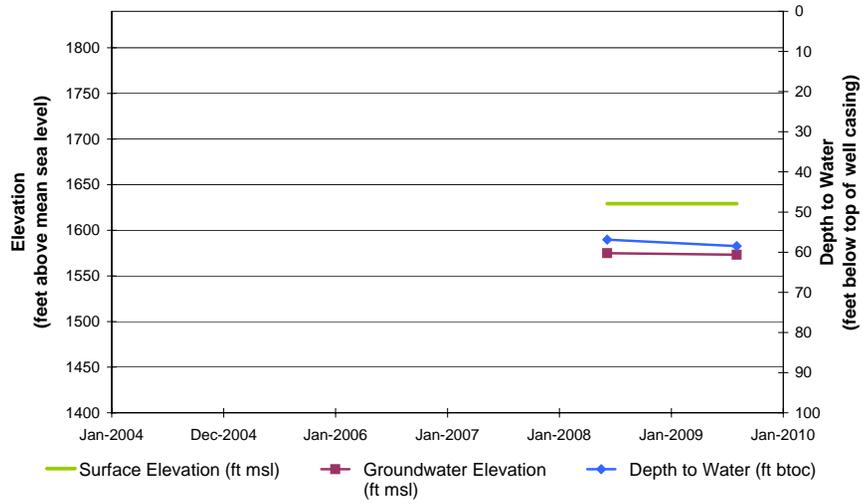
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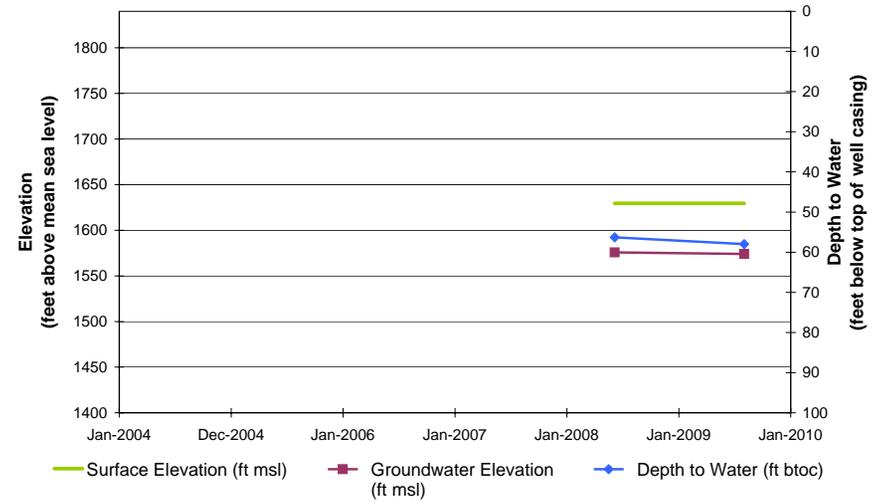
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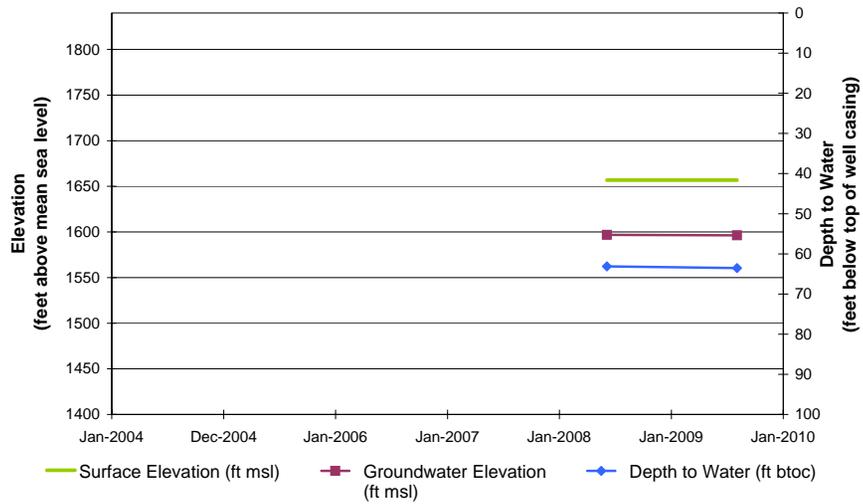
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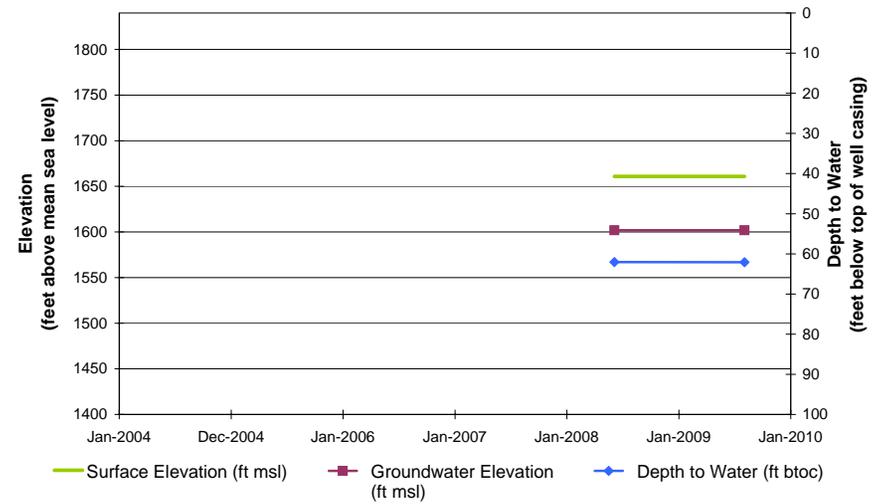
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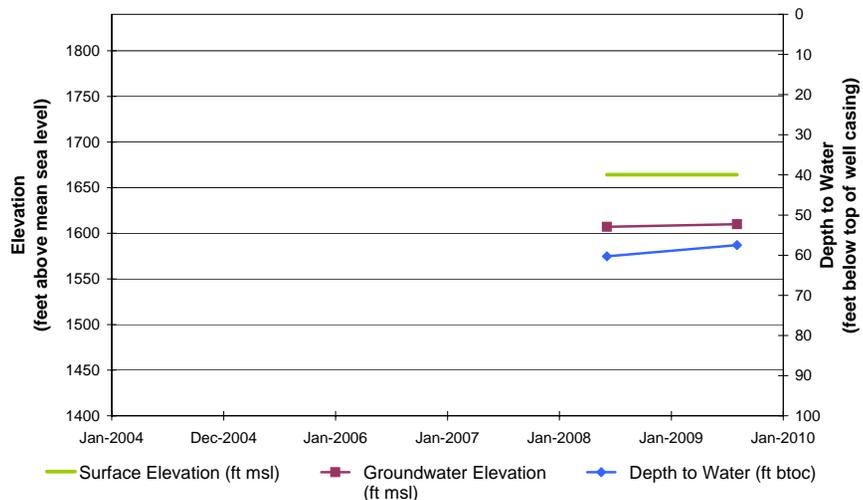
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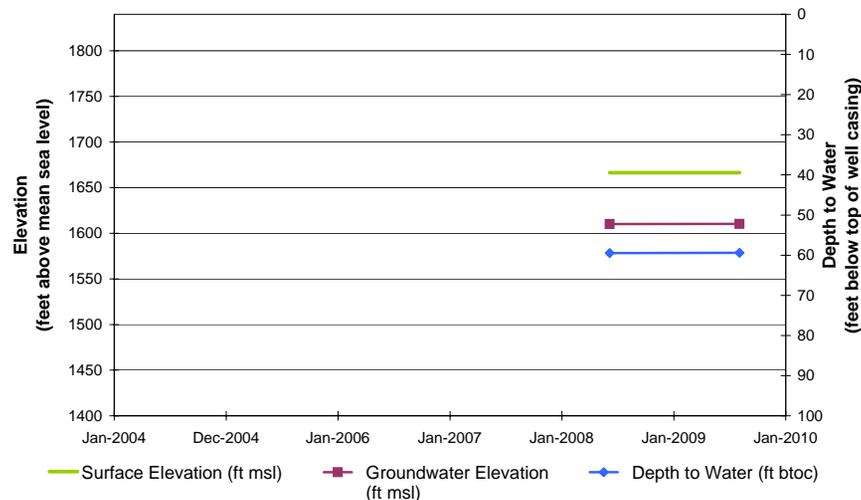
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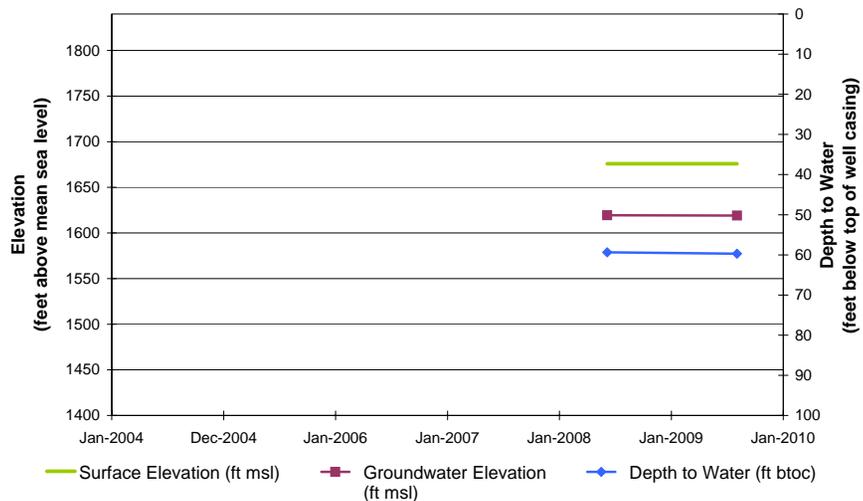
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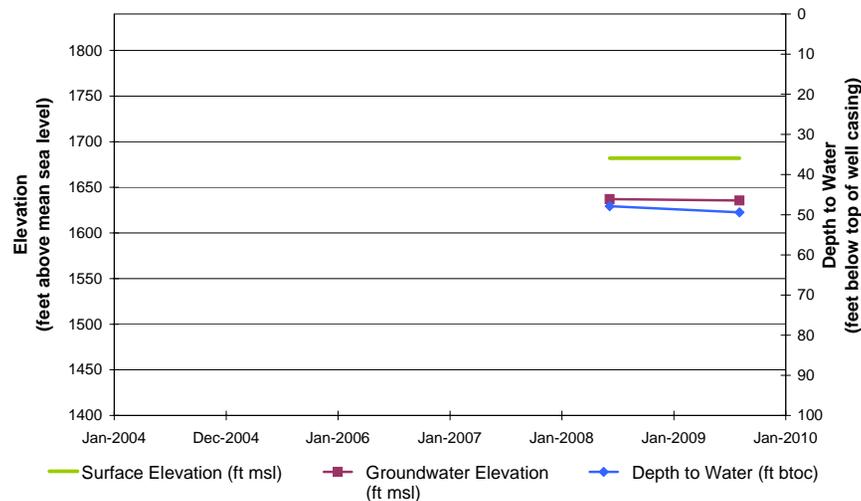
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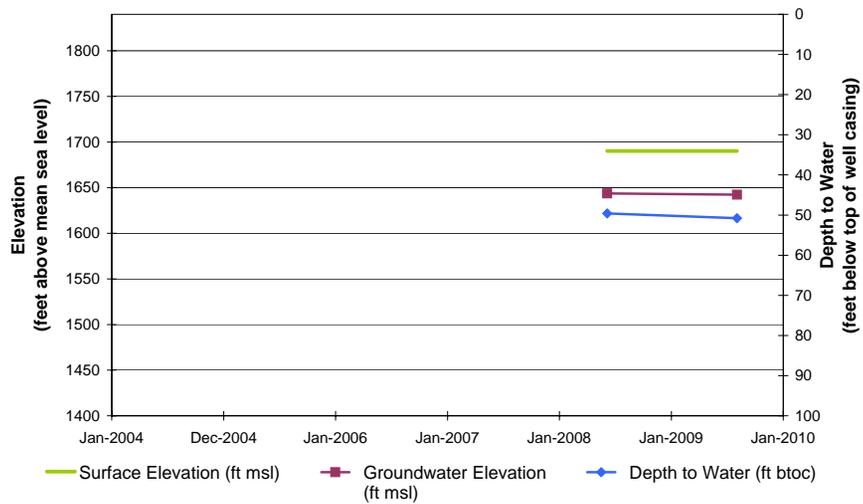
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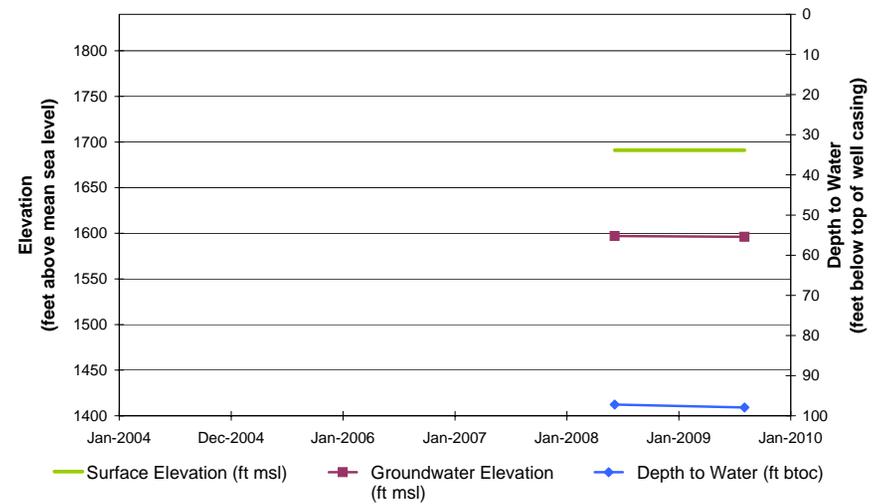
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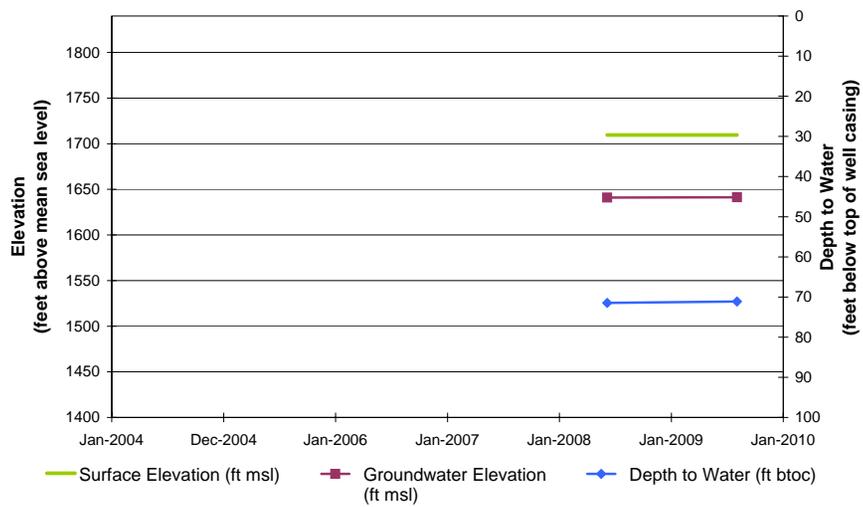
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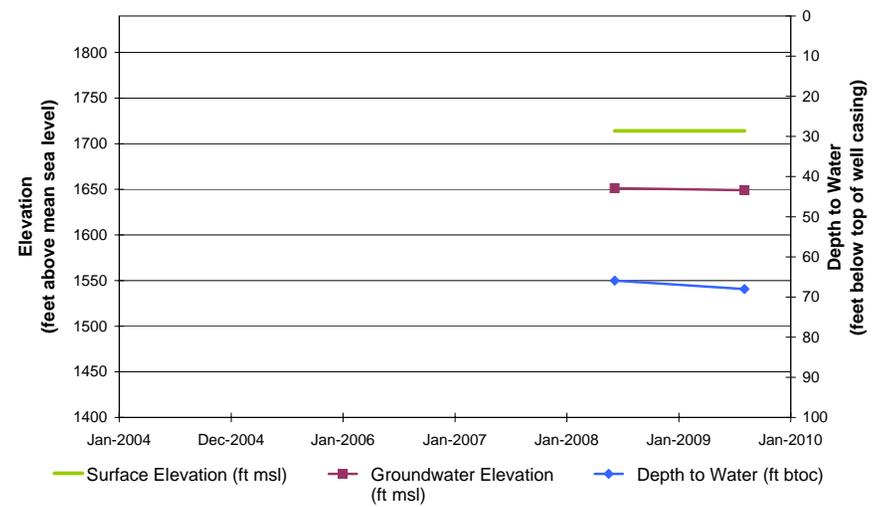
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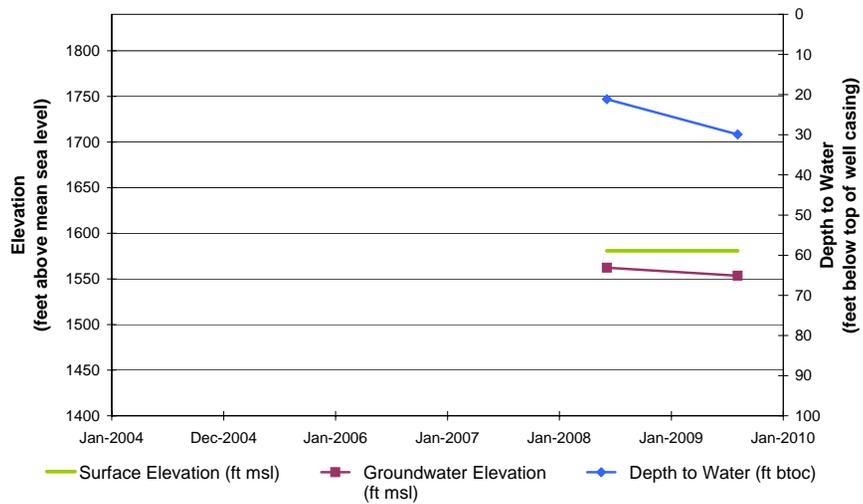
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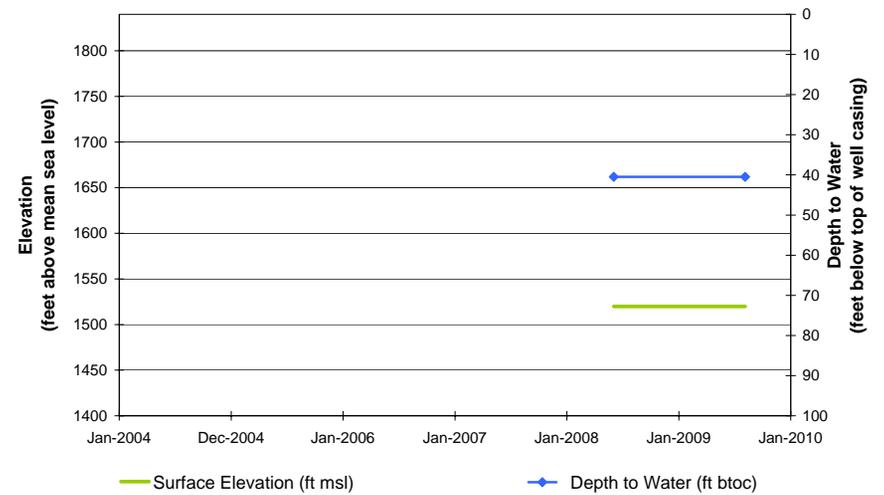
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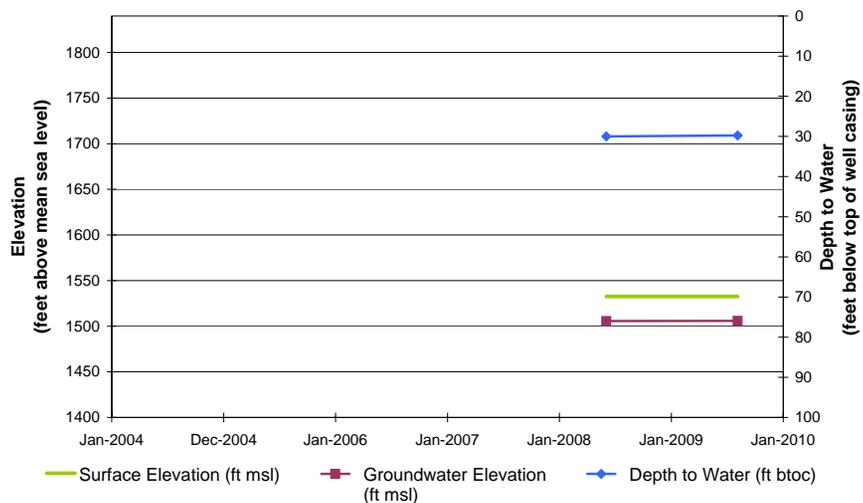
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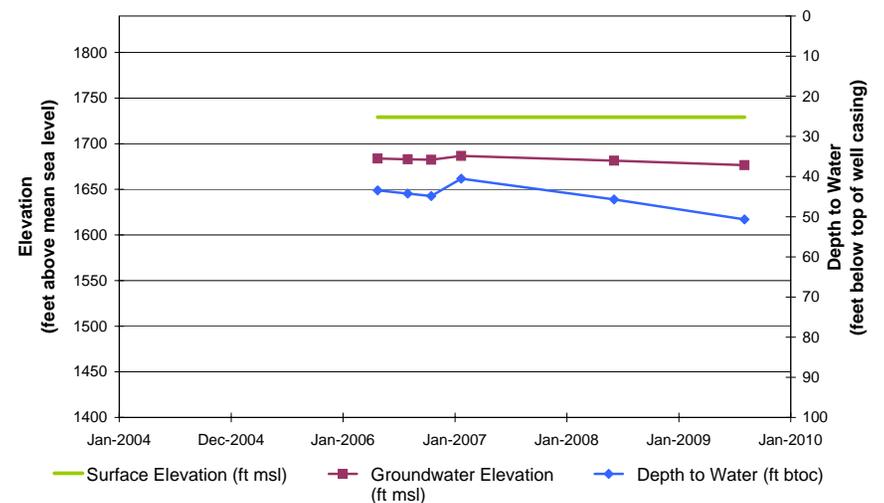
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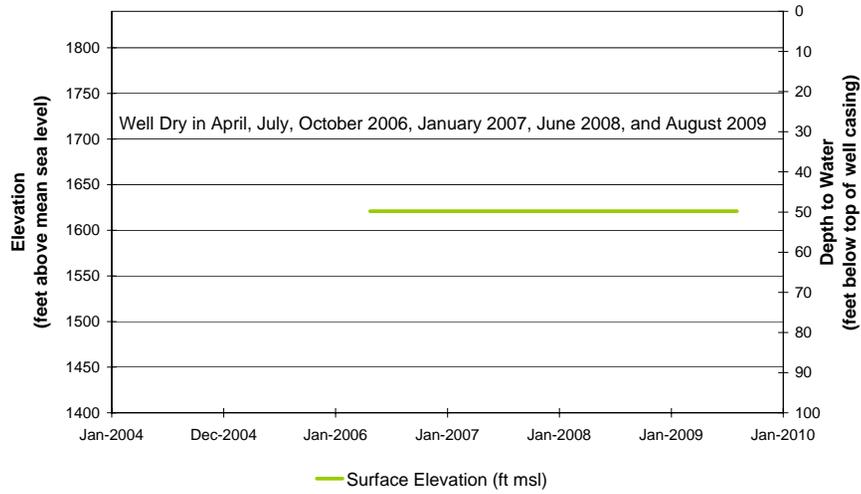
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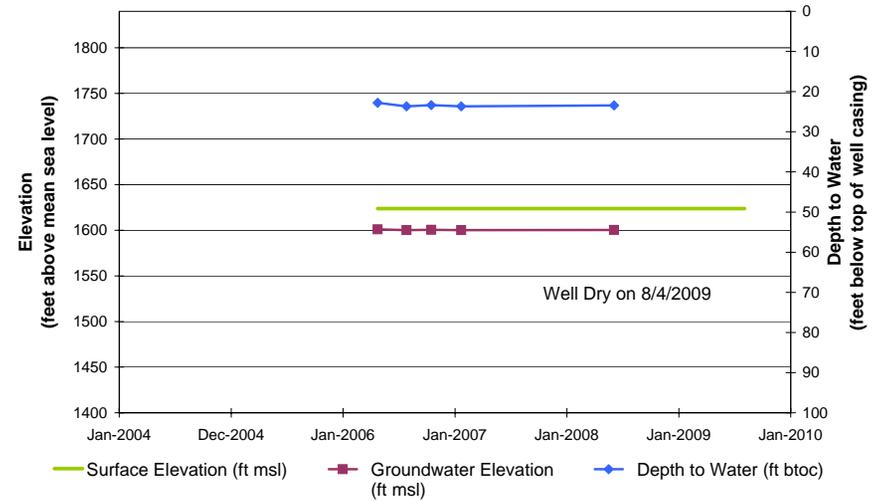
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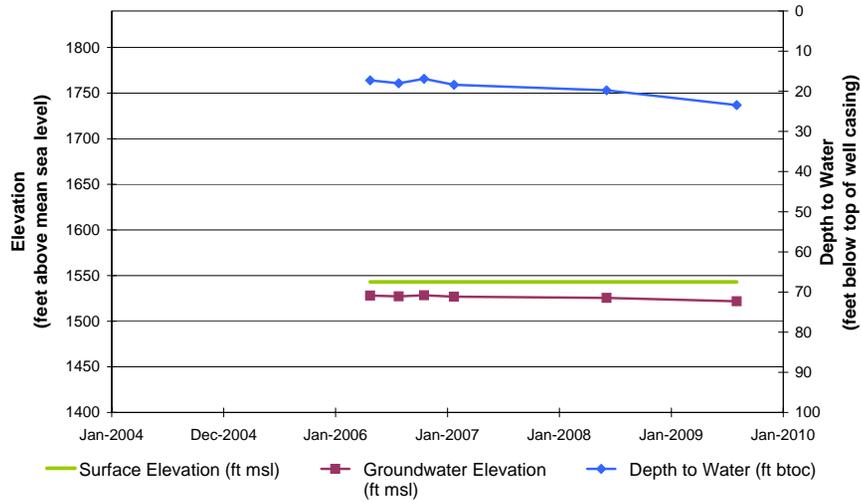
DM-4



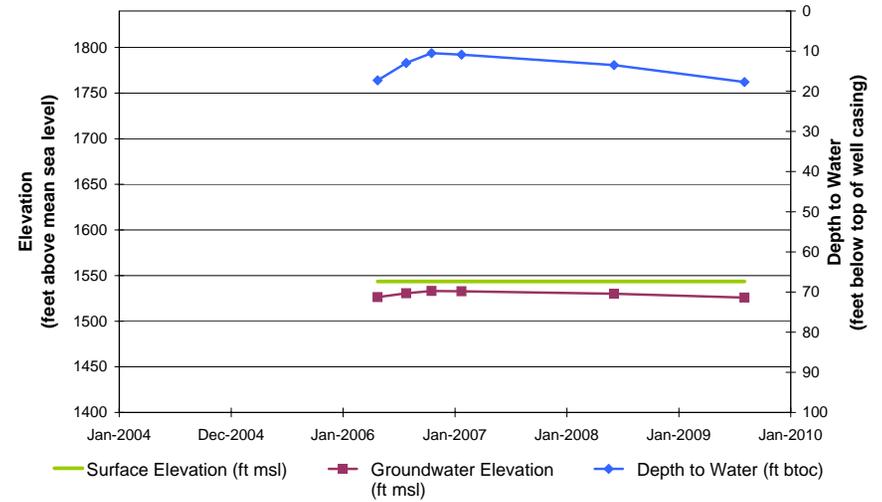
DM-5



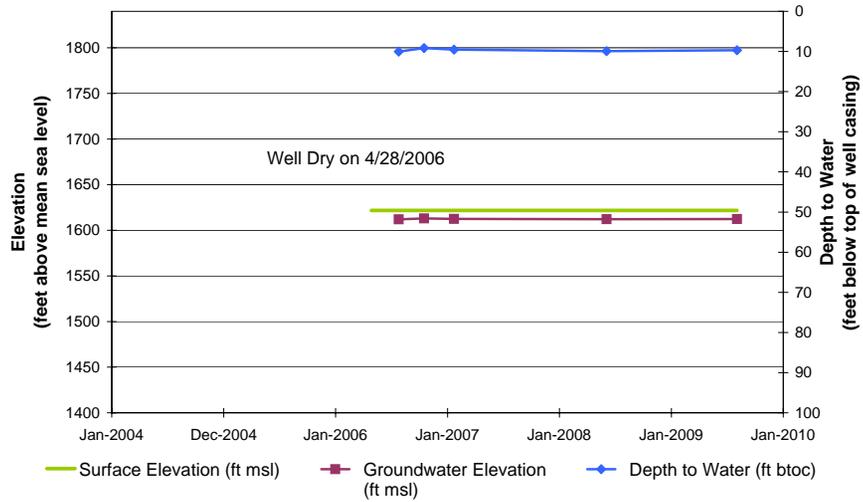
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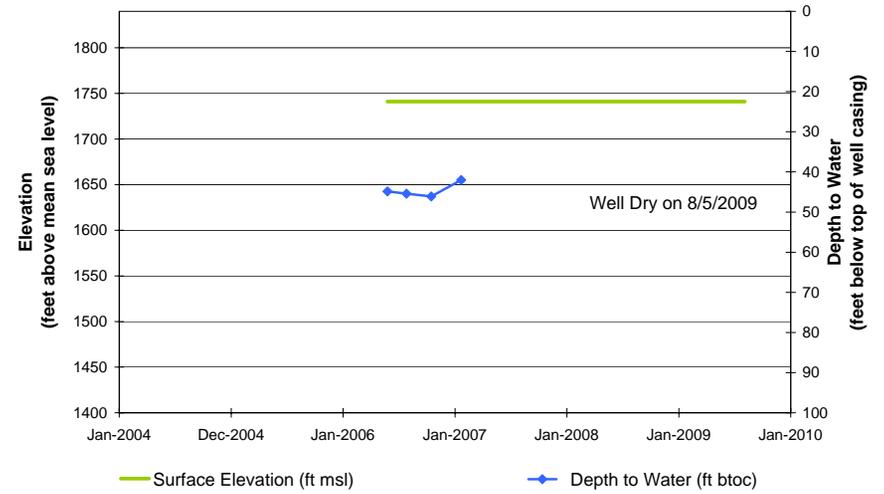
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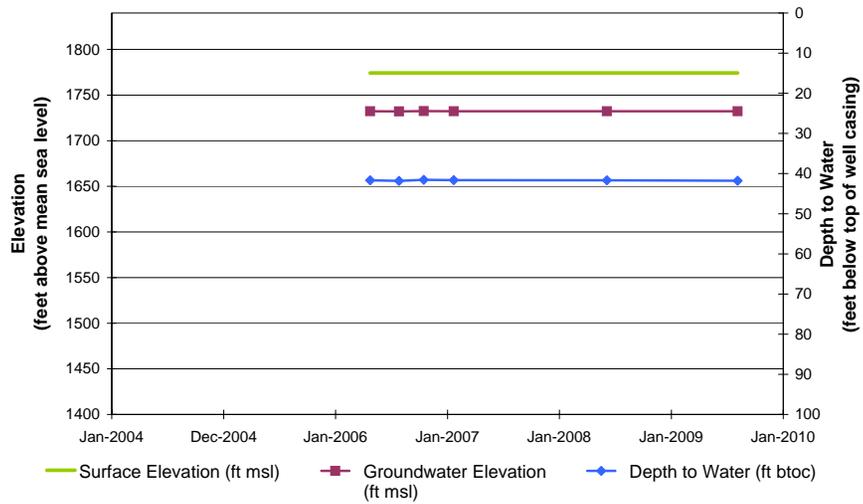
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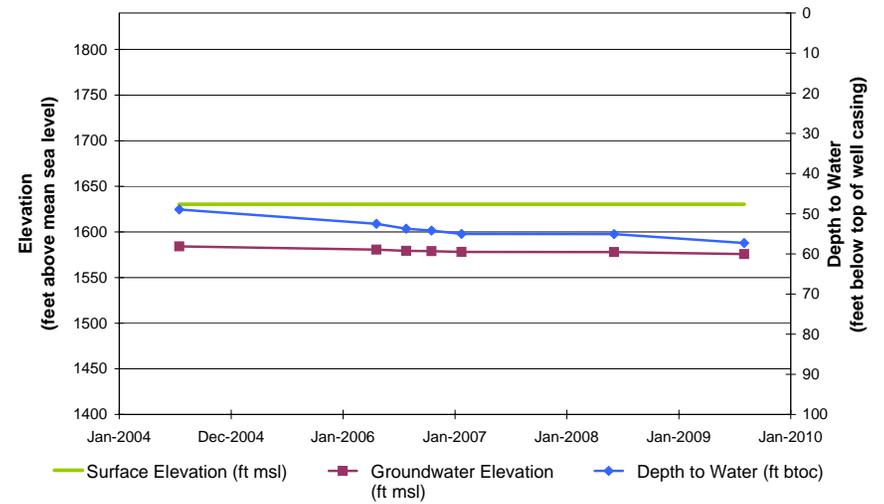
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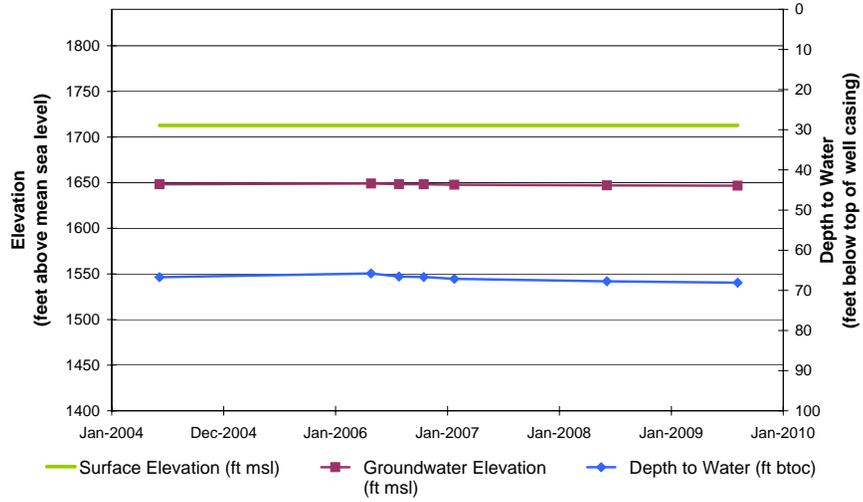
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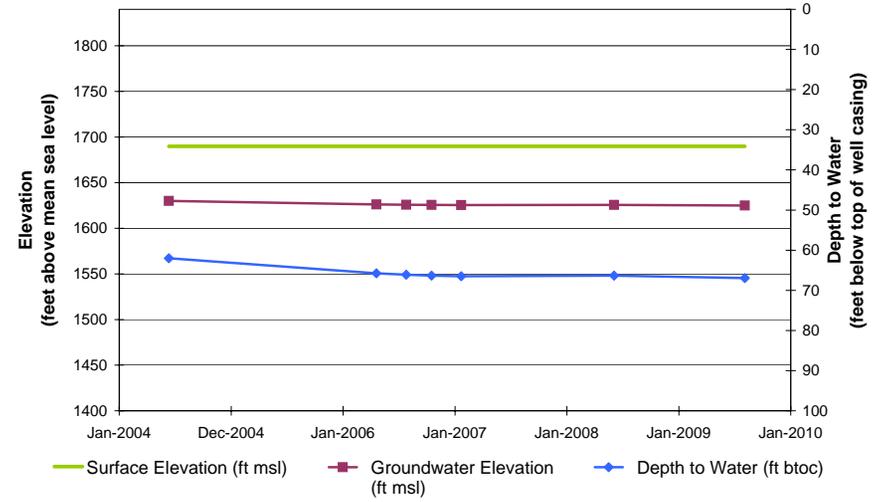
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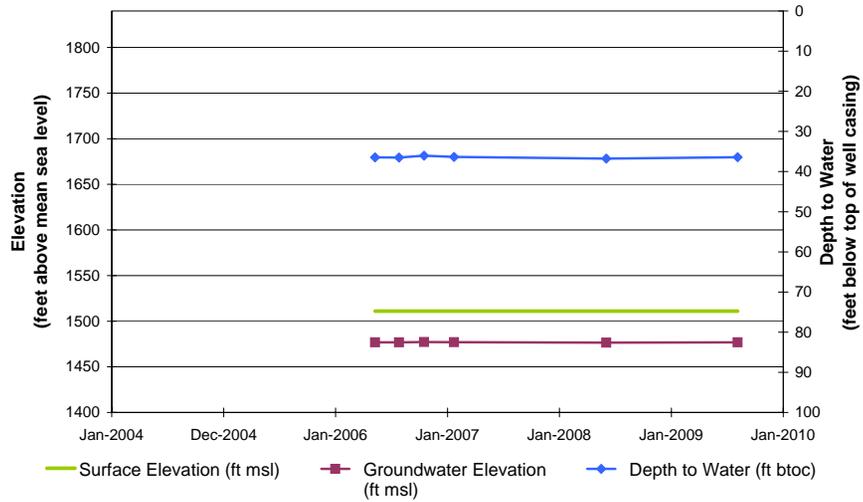
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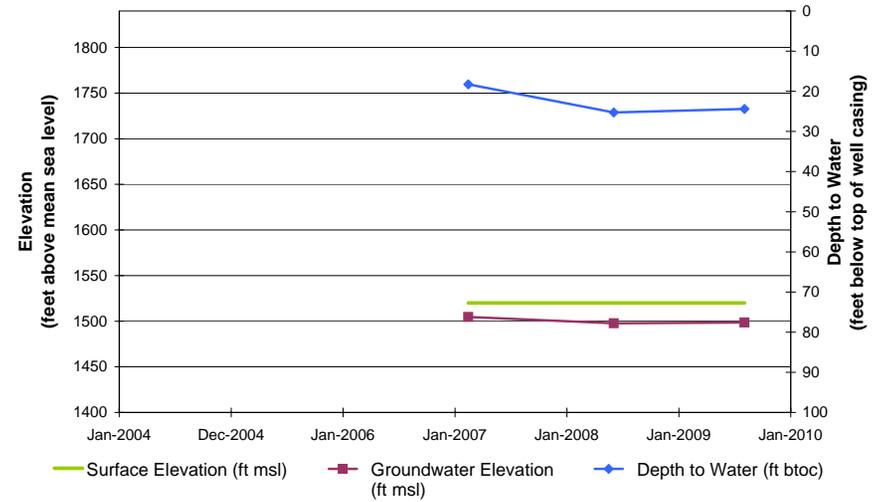
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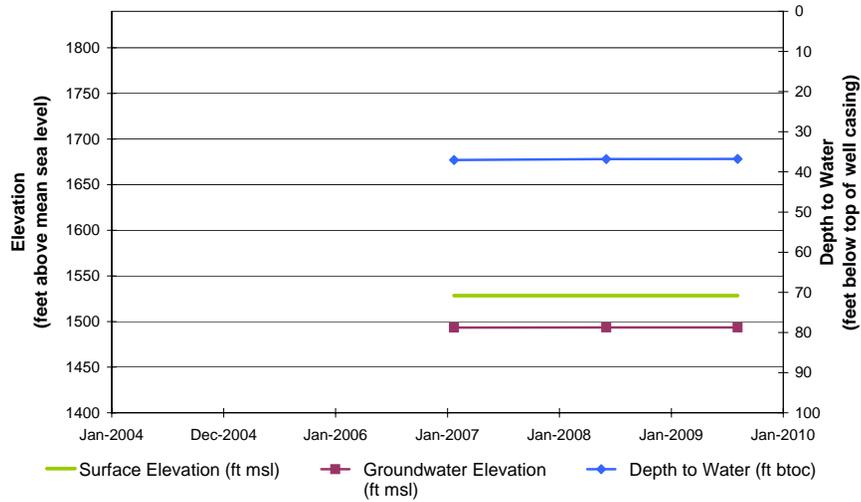
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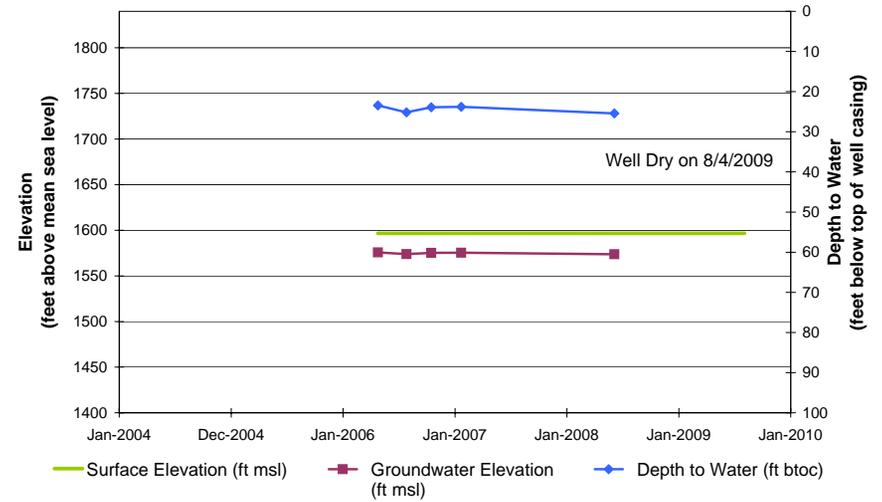
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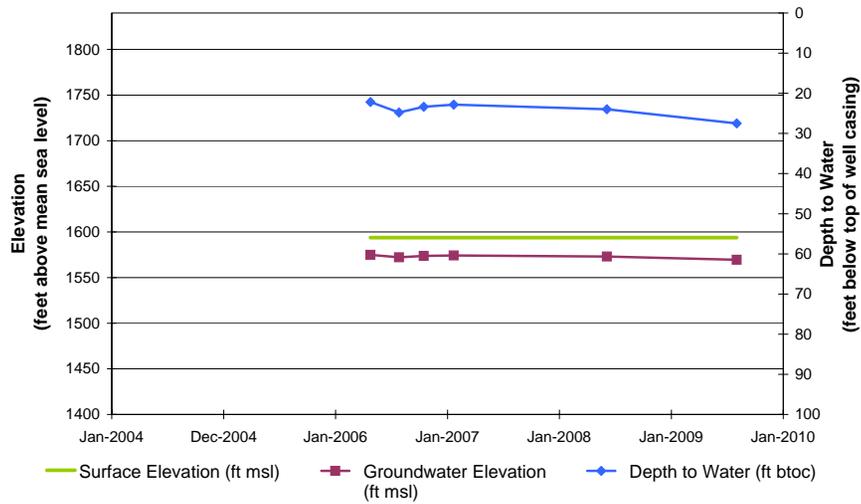
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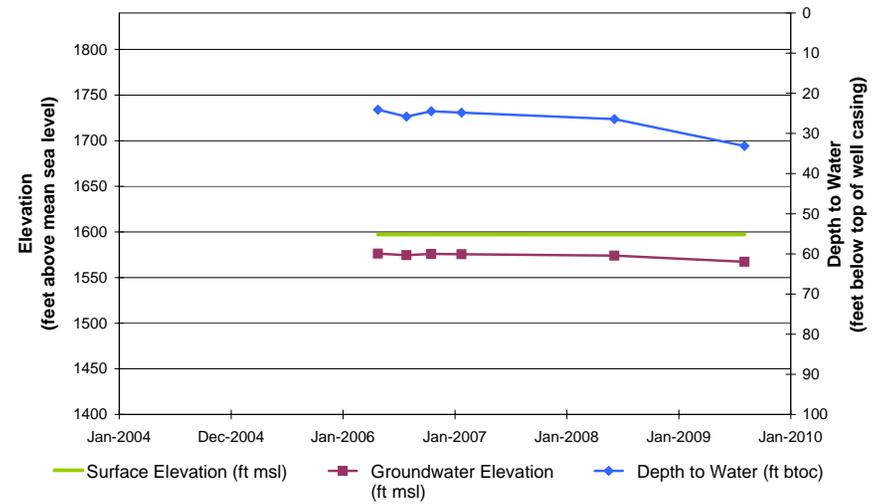
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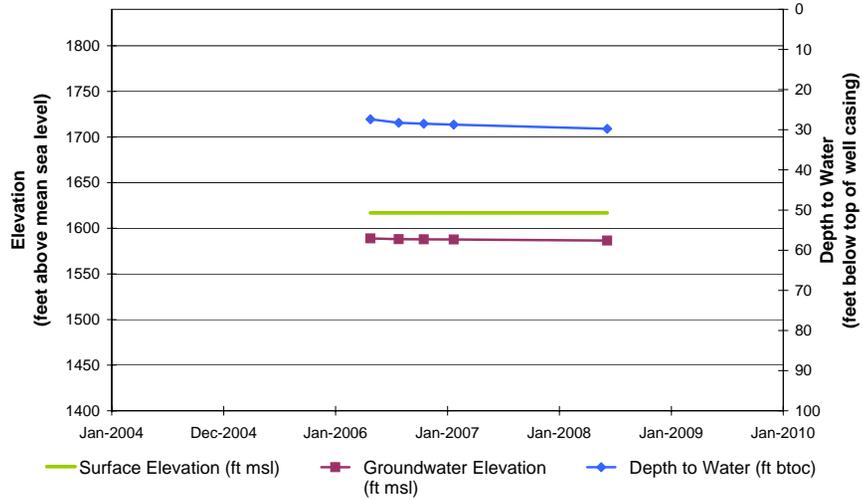
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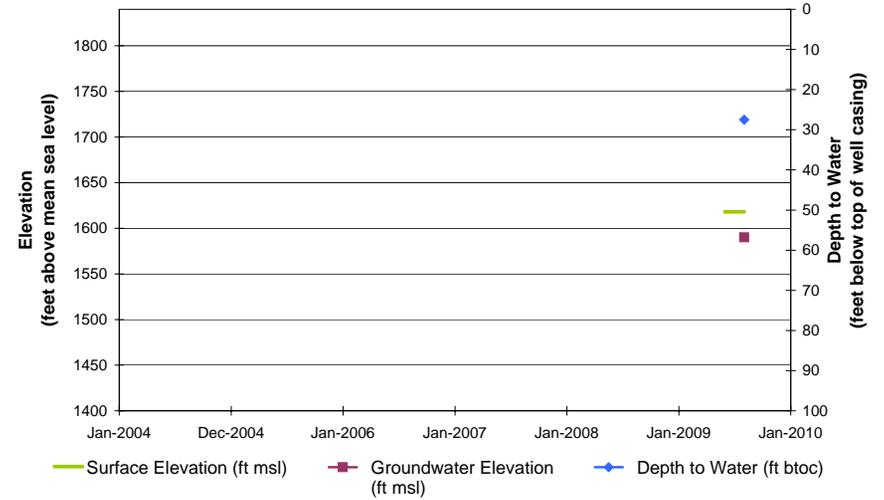
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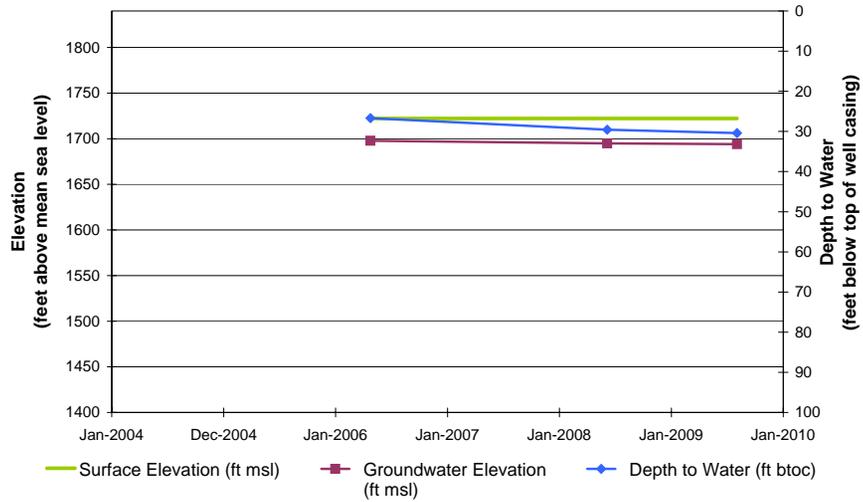
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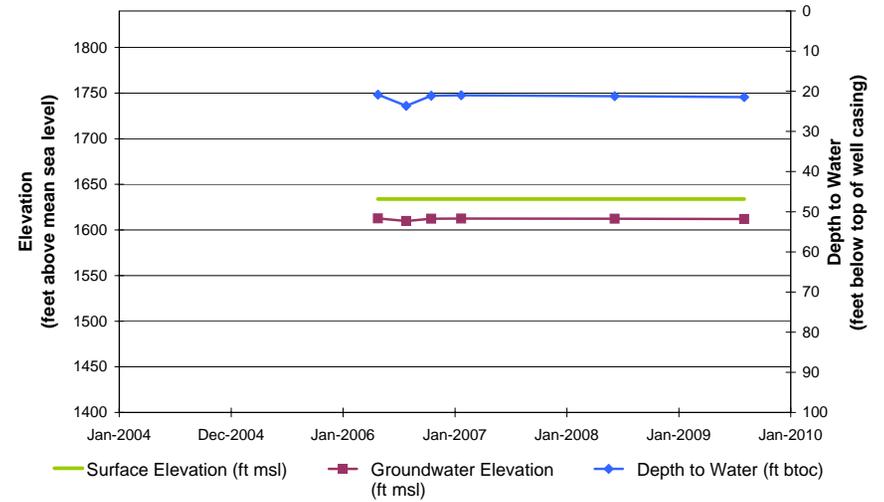
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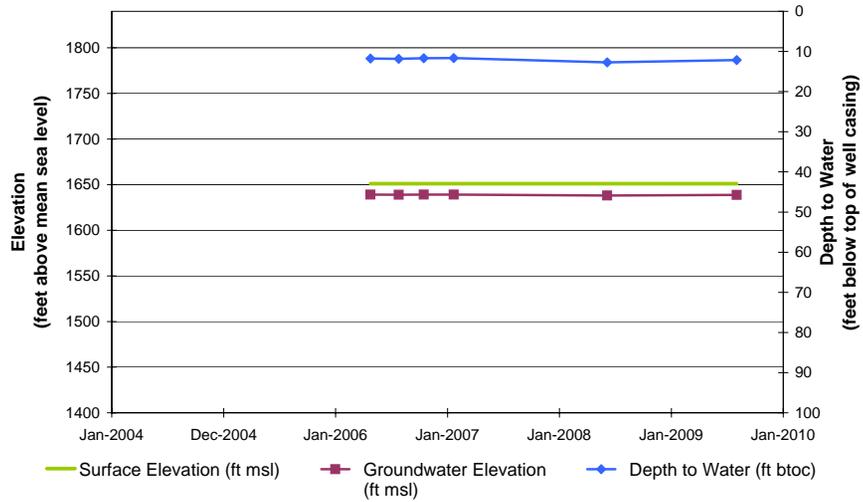
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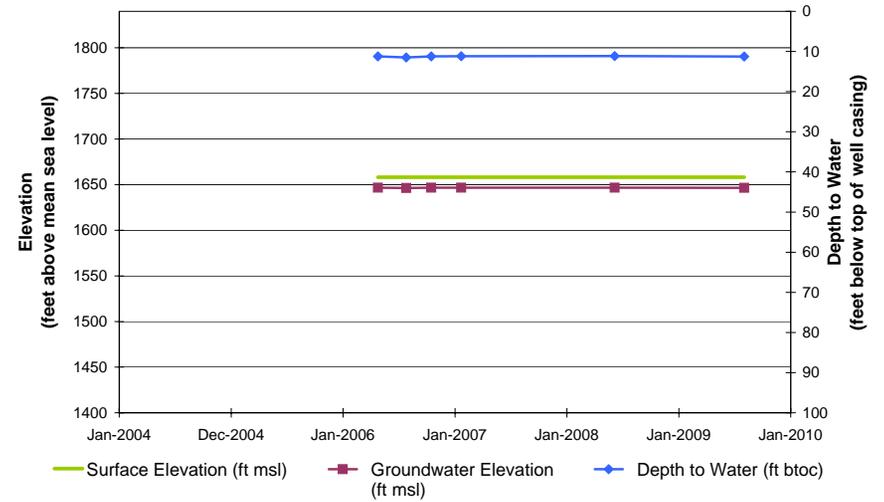
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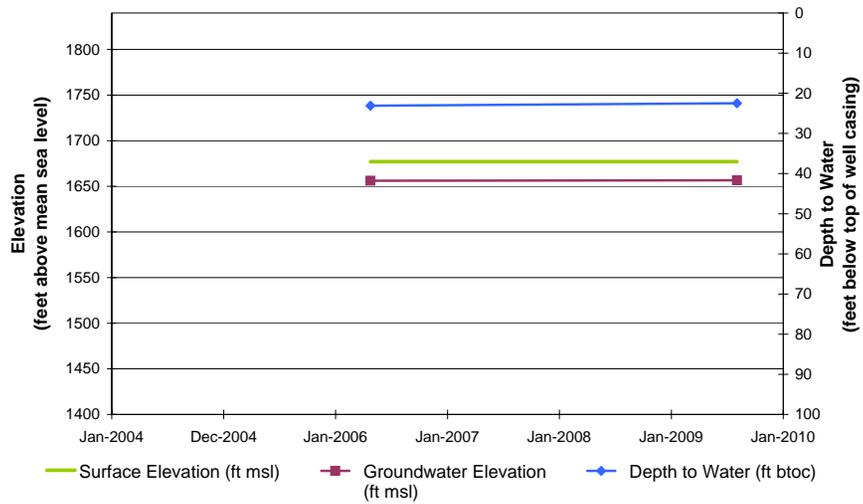
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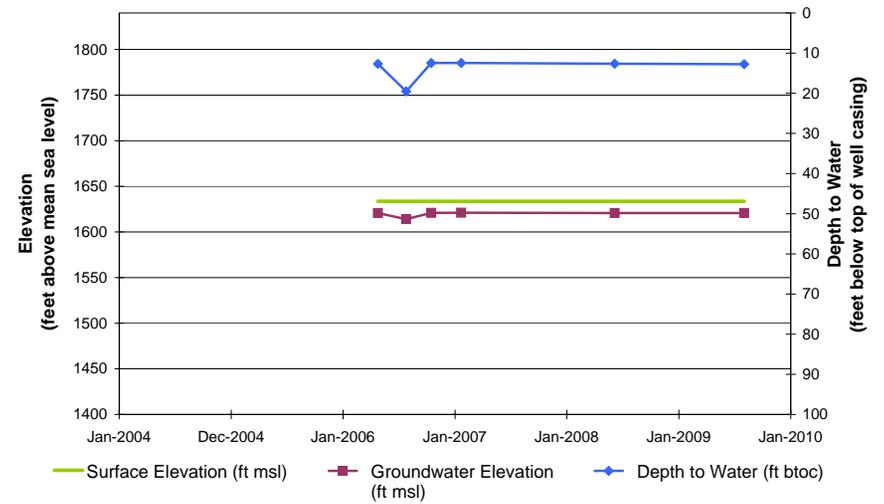
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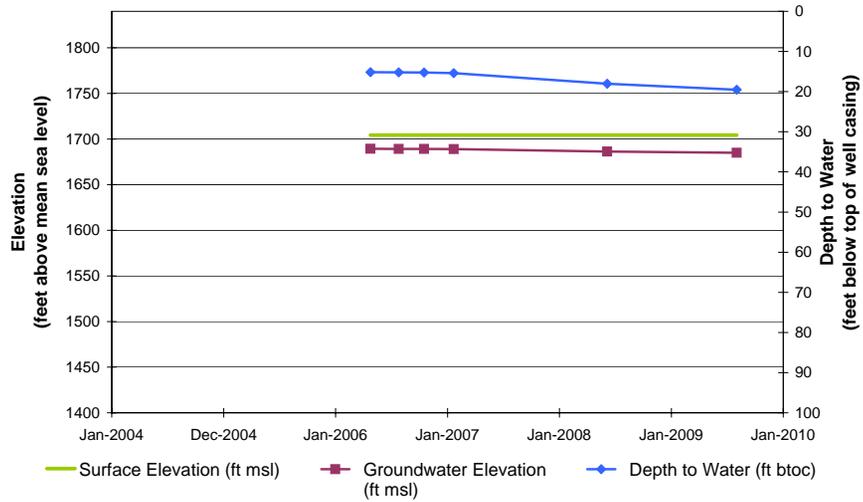
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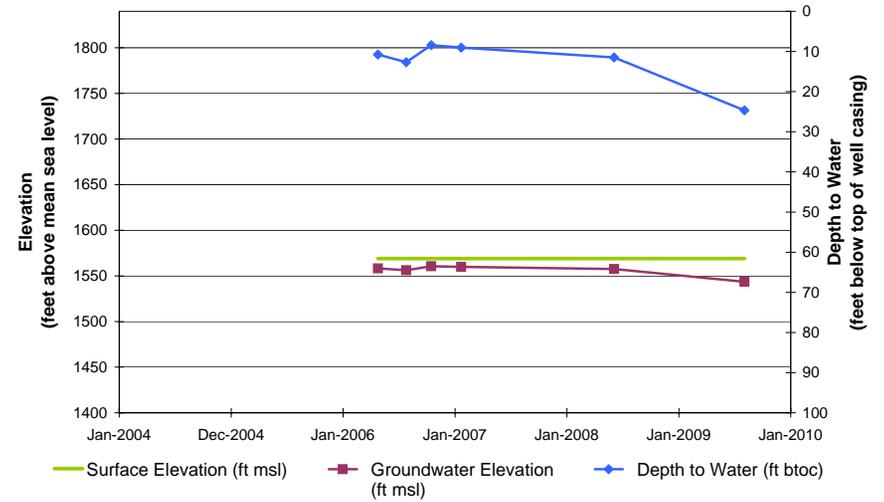
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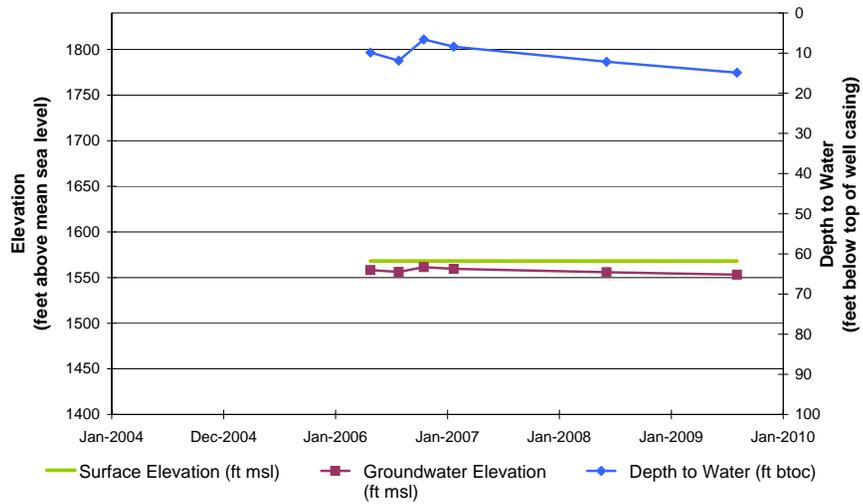
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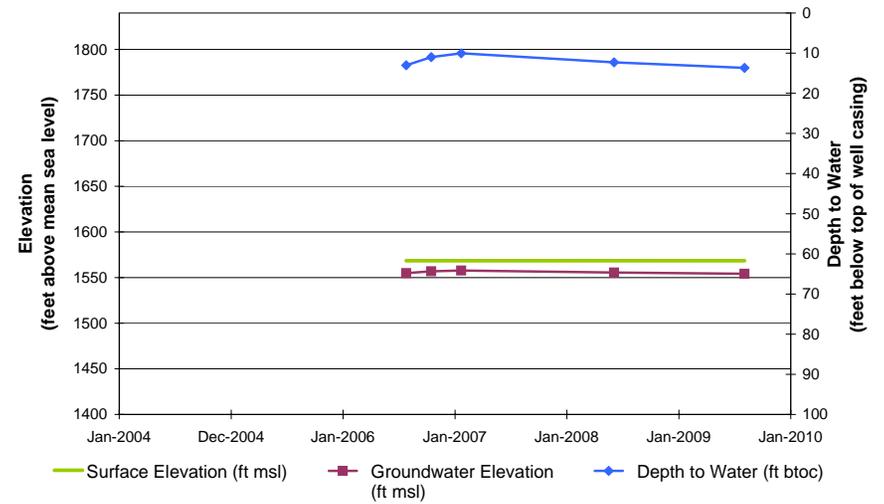
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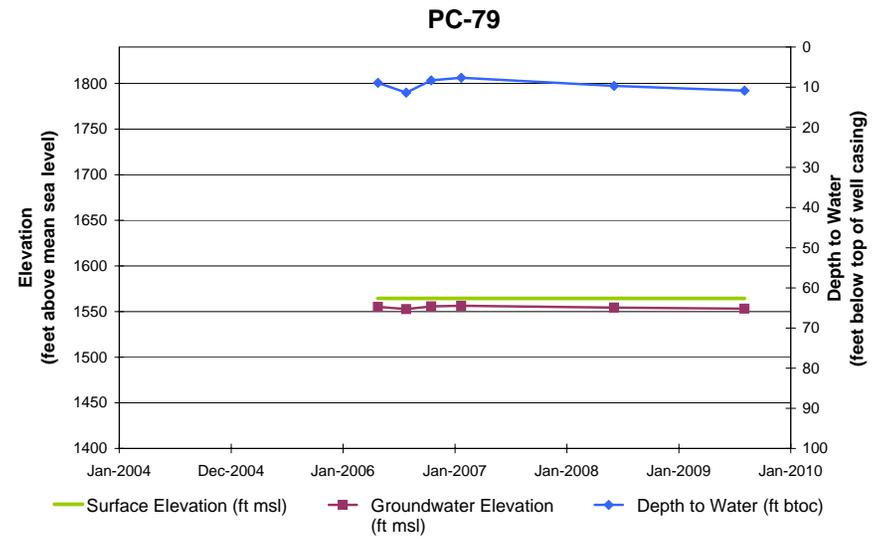
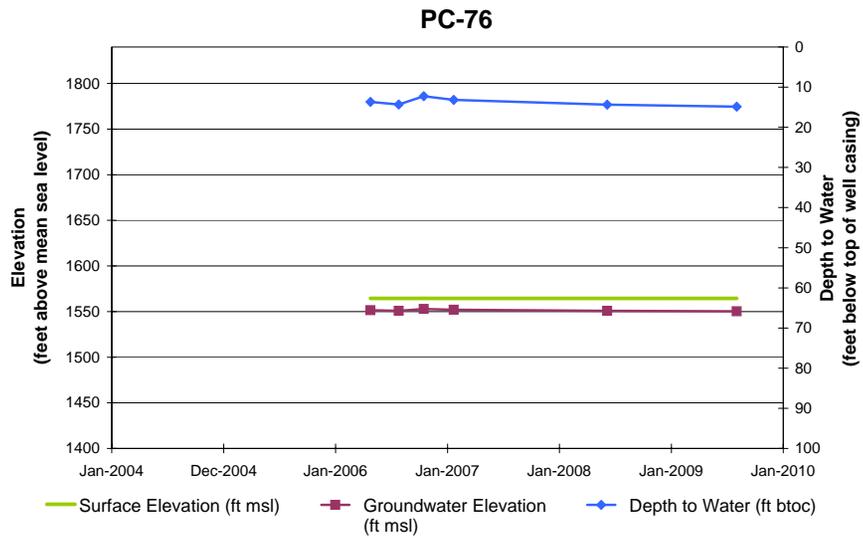
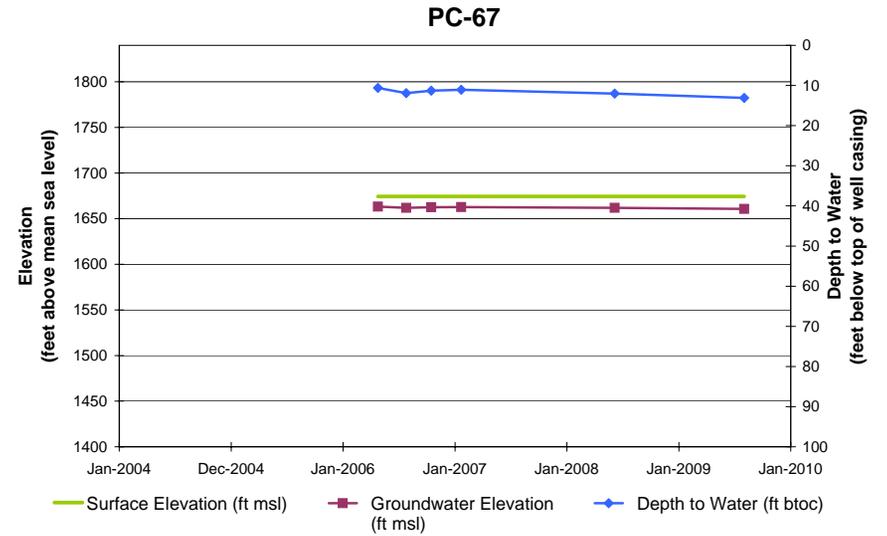
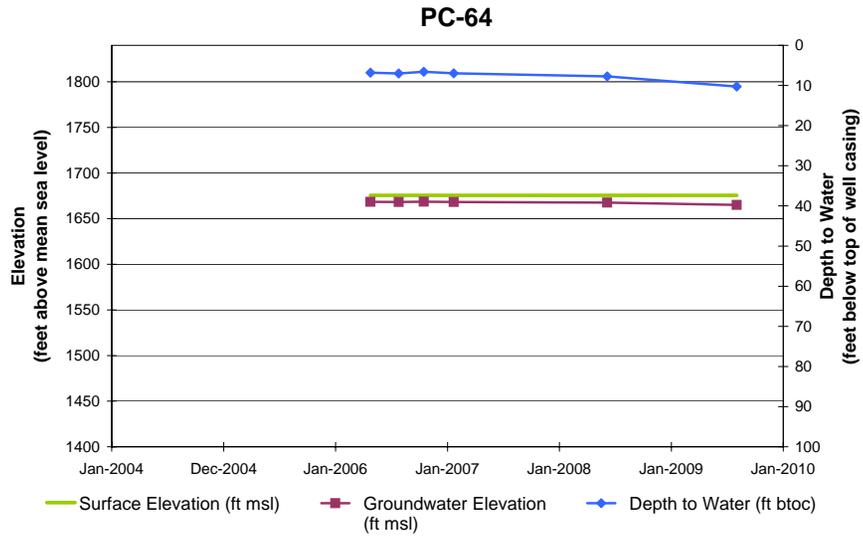


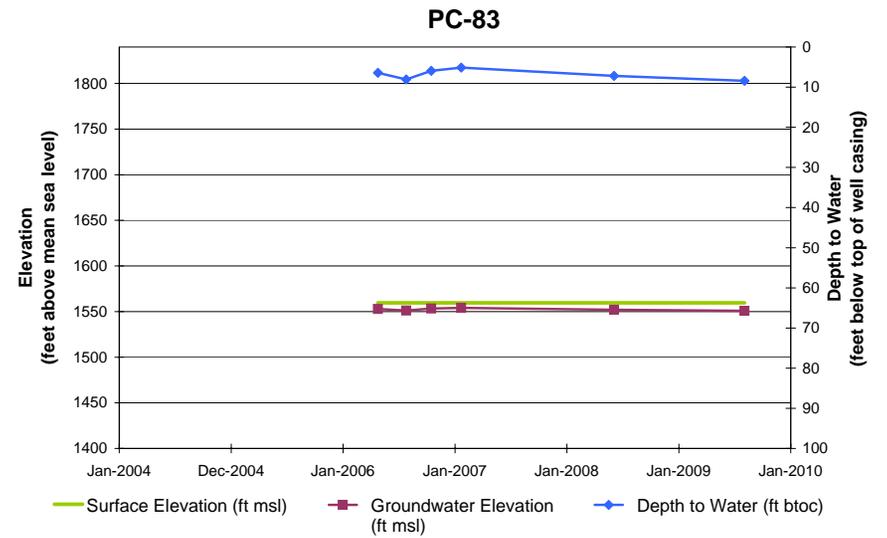
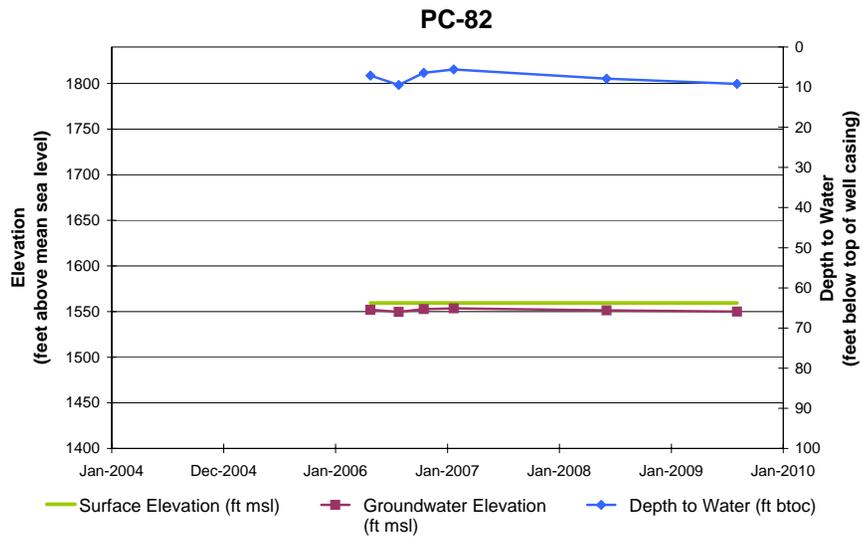
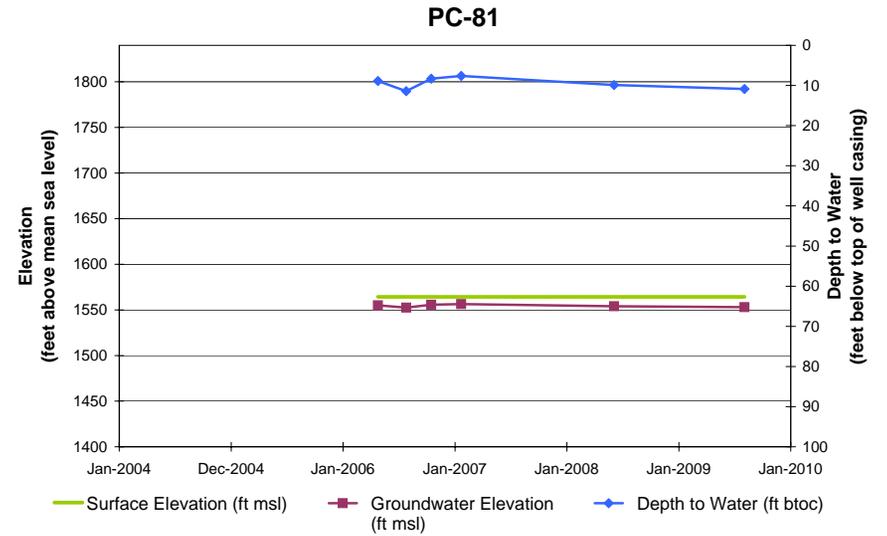
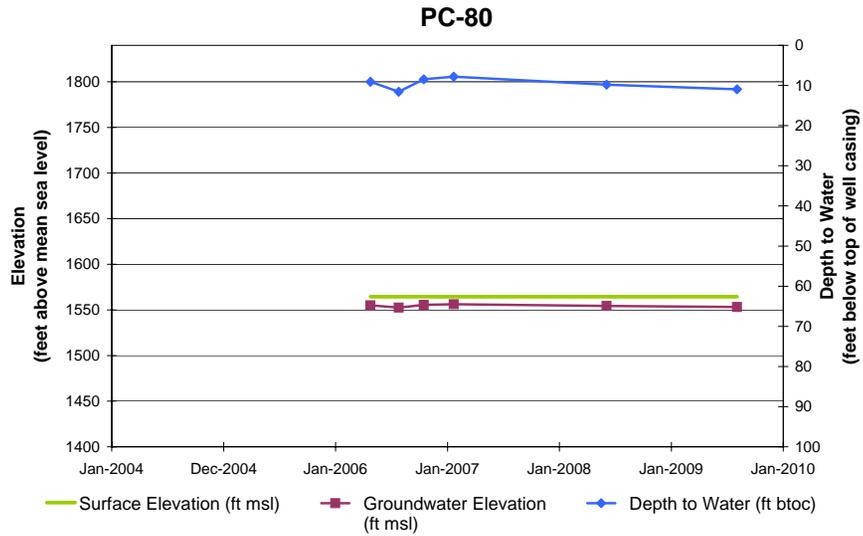
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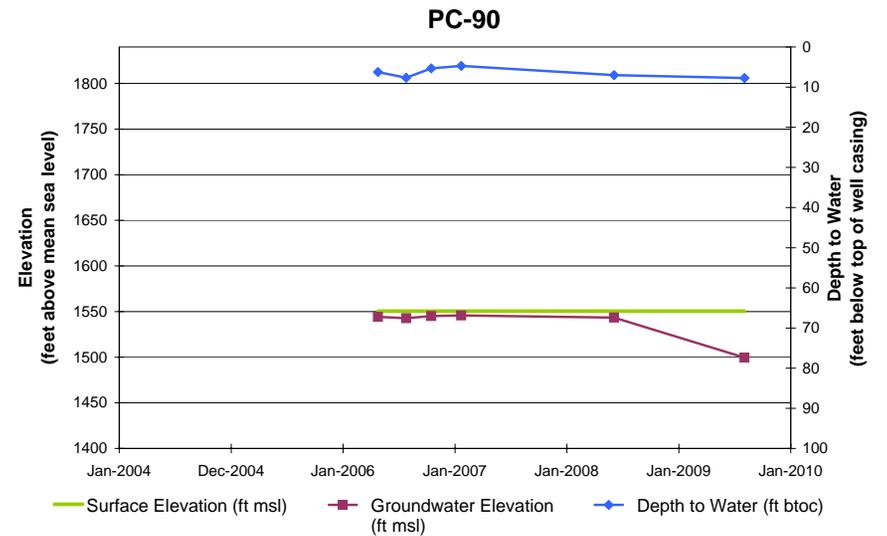
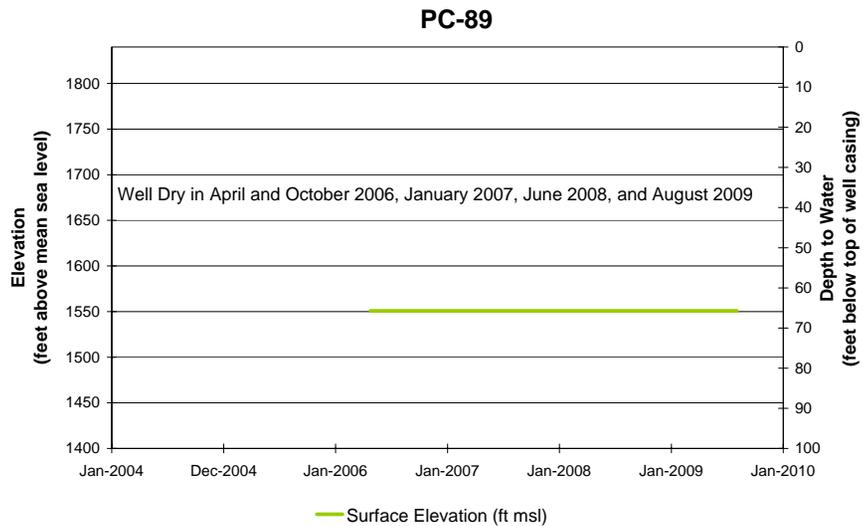
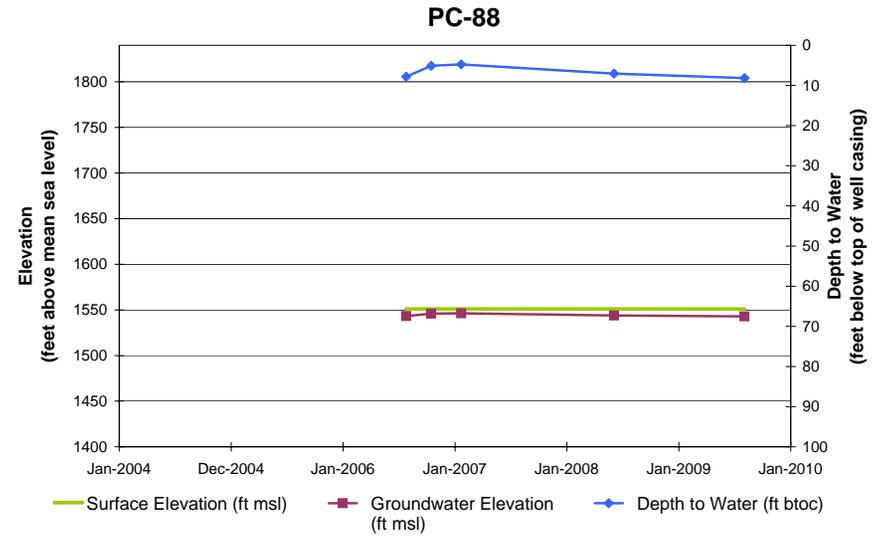
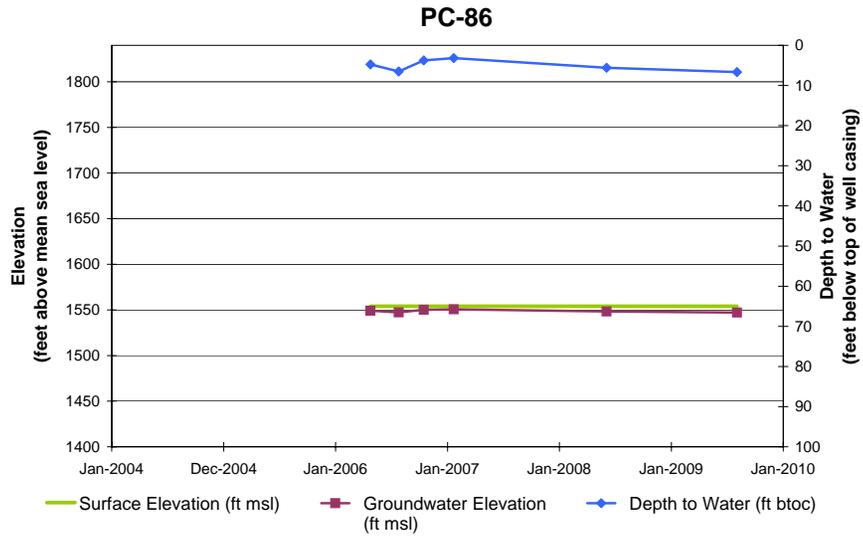


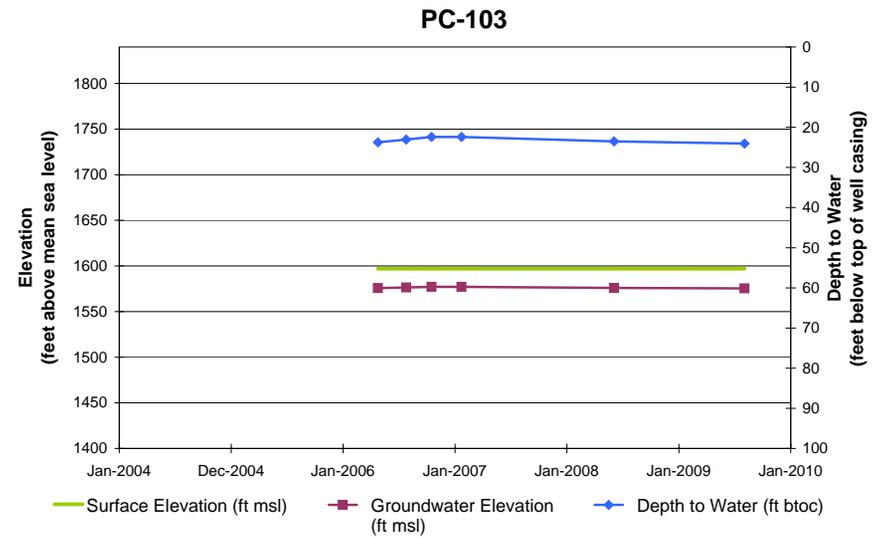
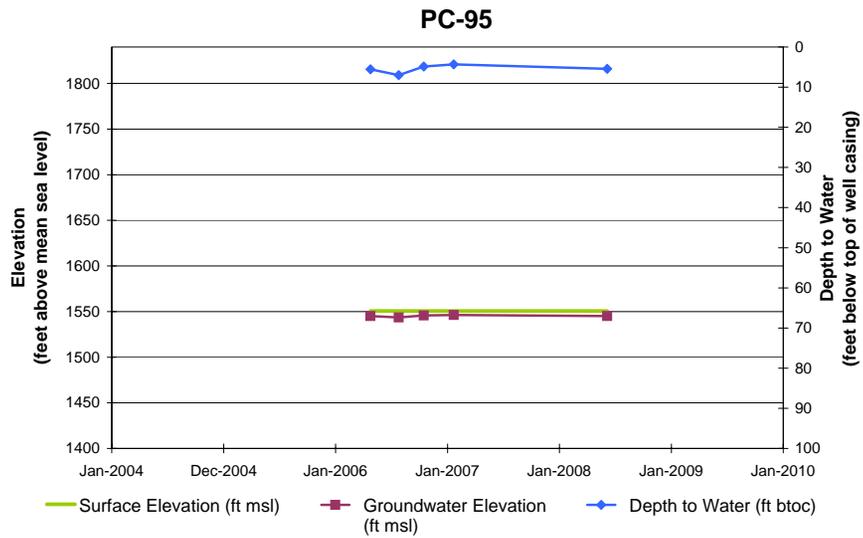
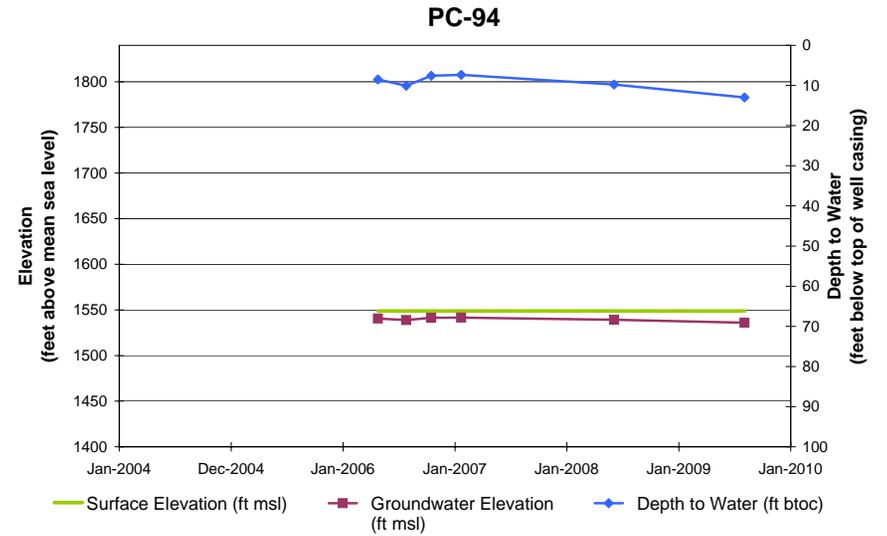
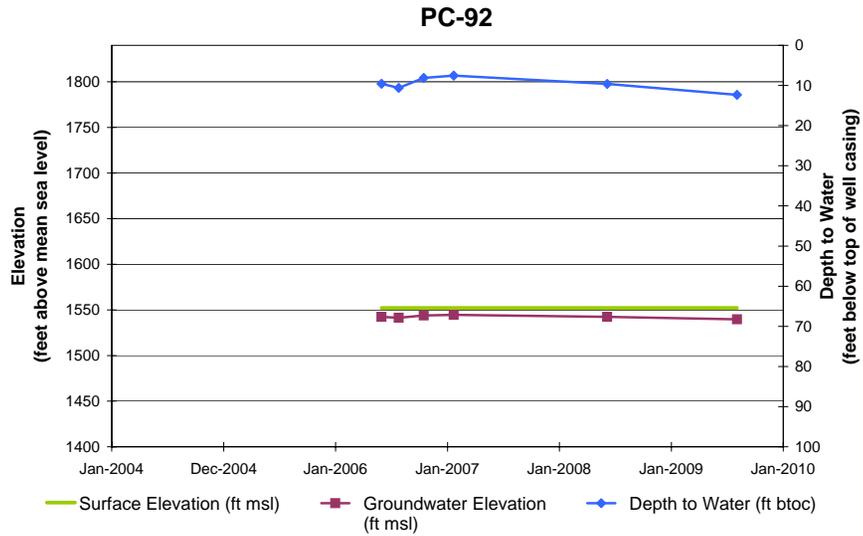
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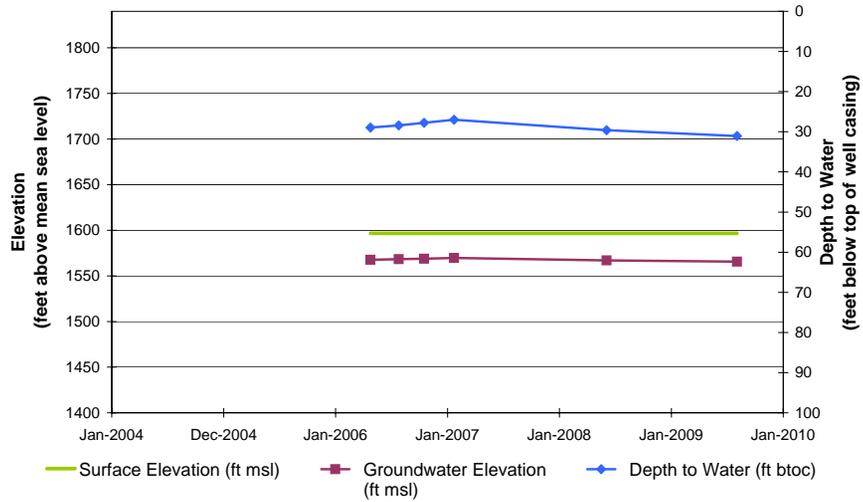




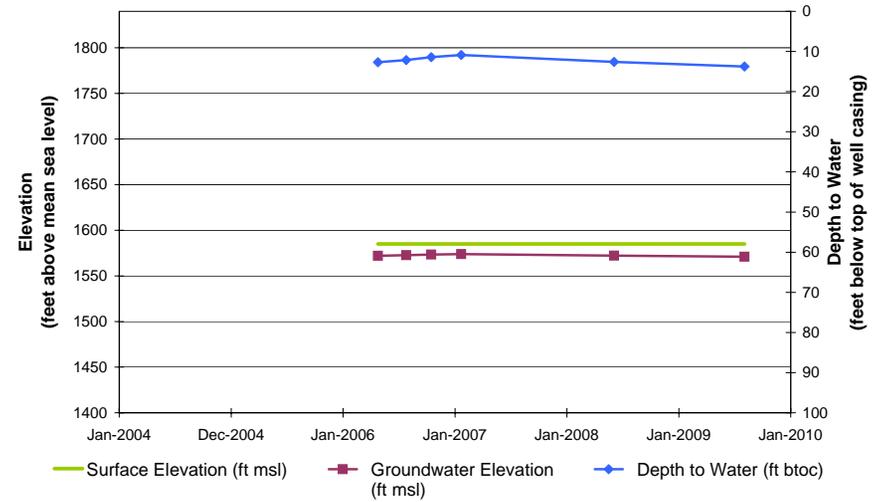




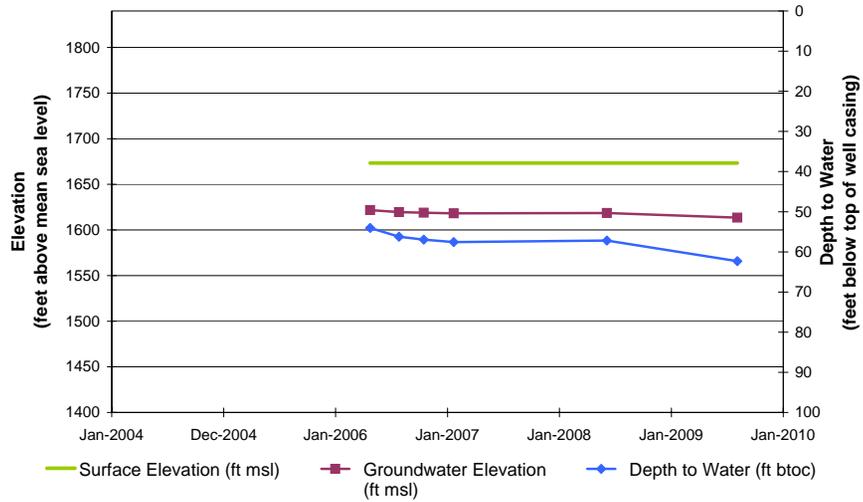
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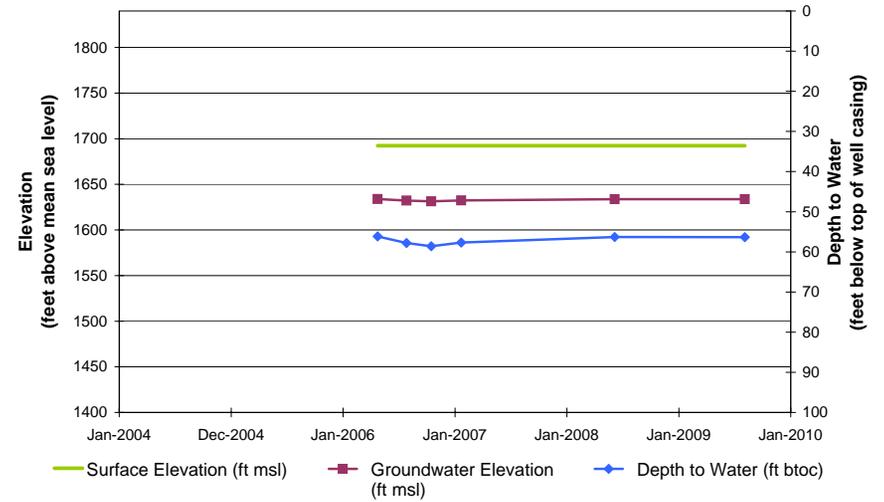
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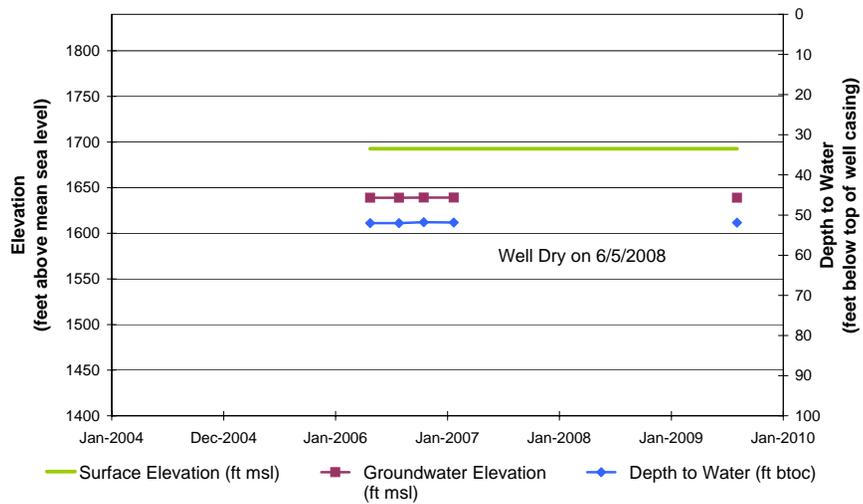
POD2-R



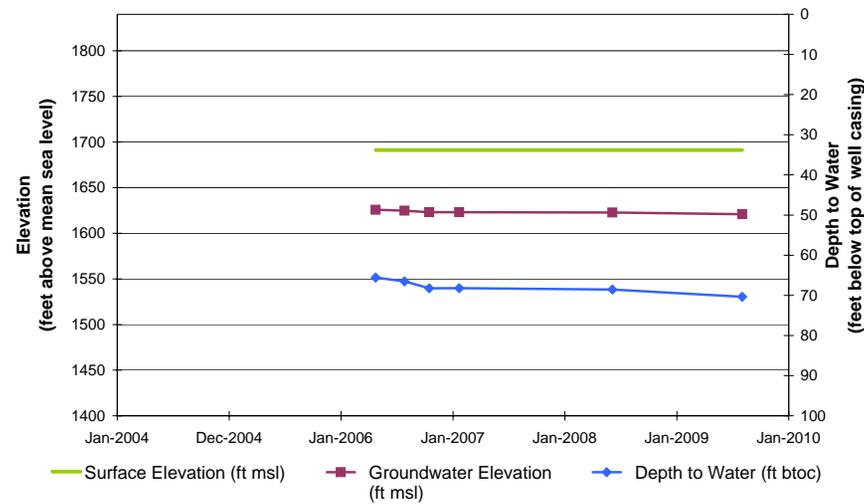
POD-4



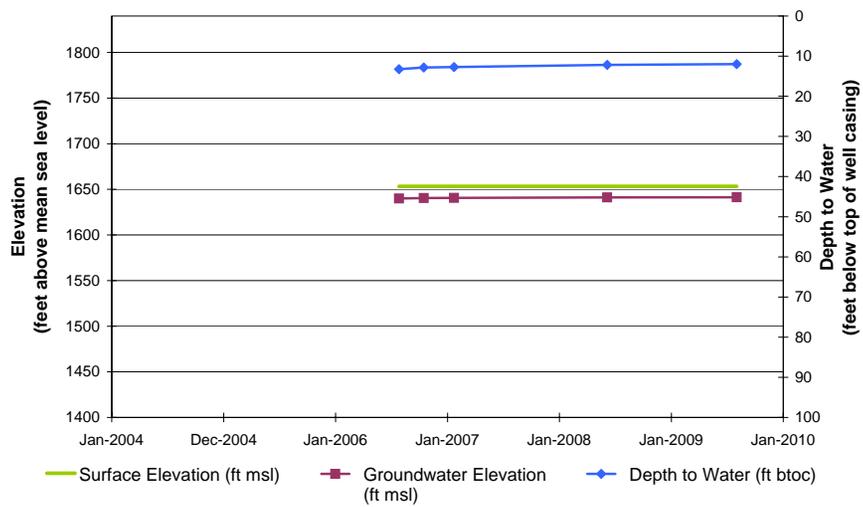
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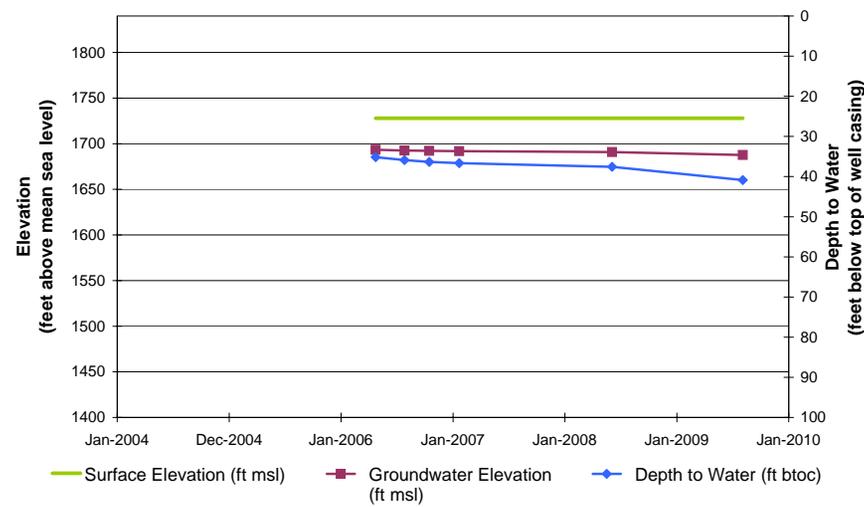
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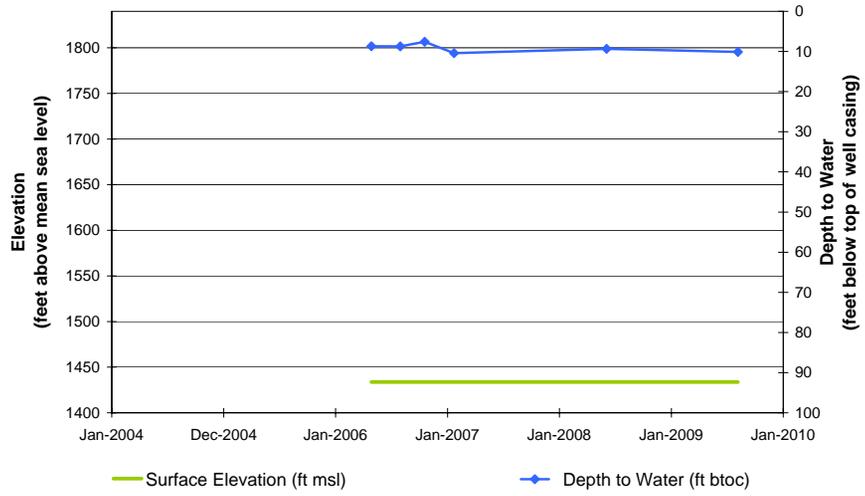
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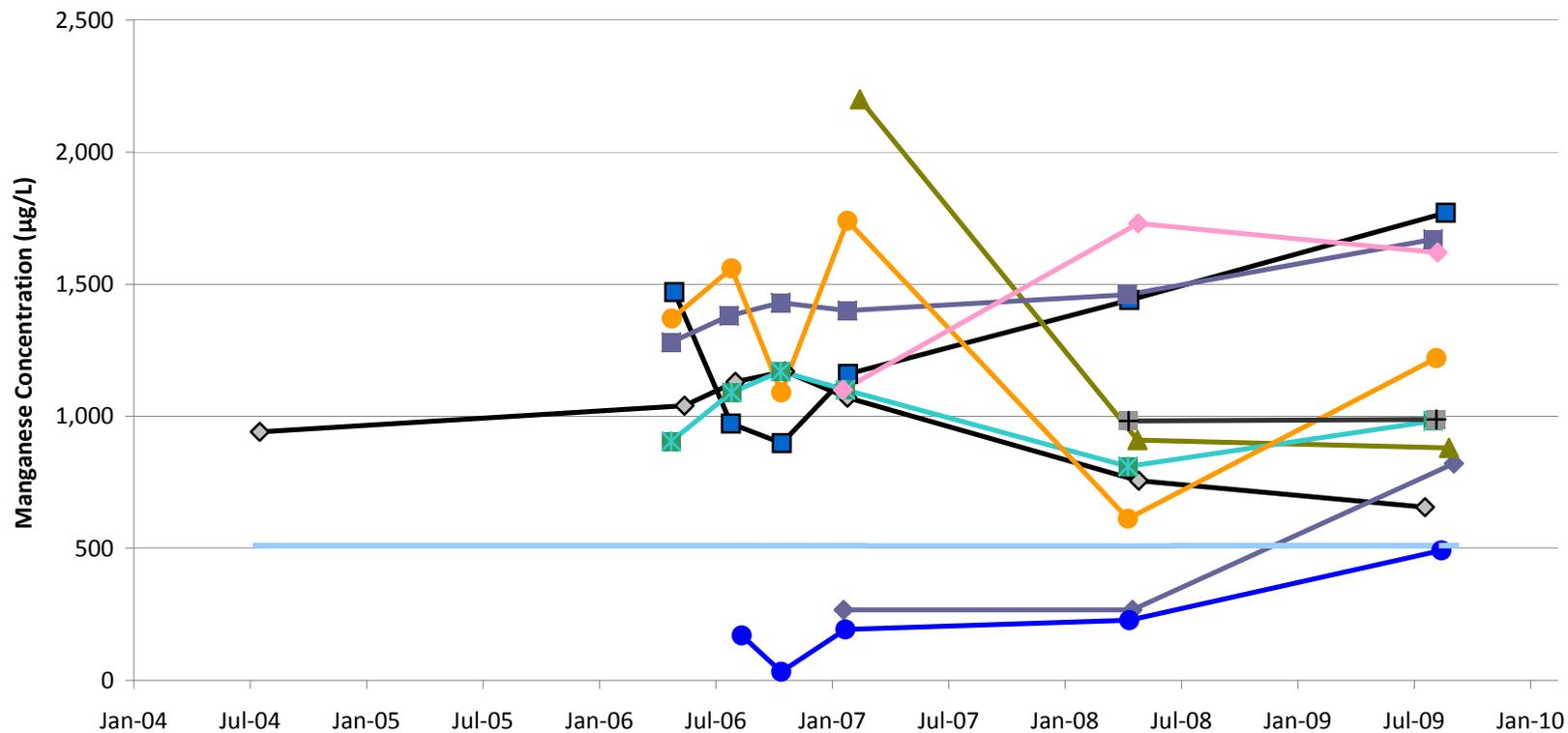
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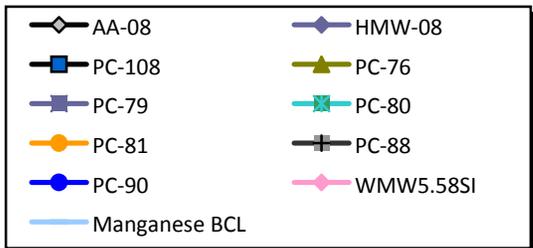
WMW5.58SS



Appendix E
Concentration Trend
Graphs



July 2004 through August 2009

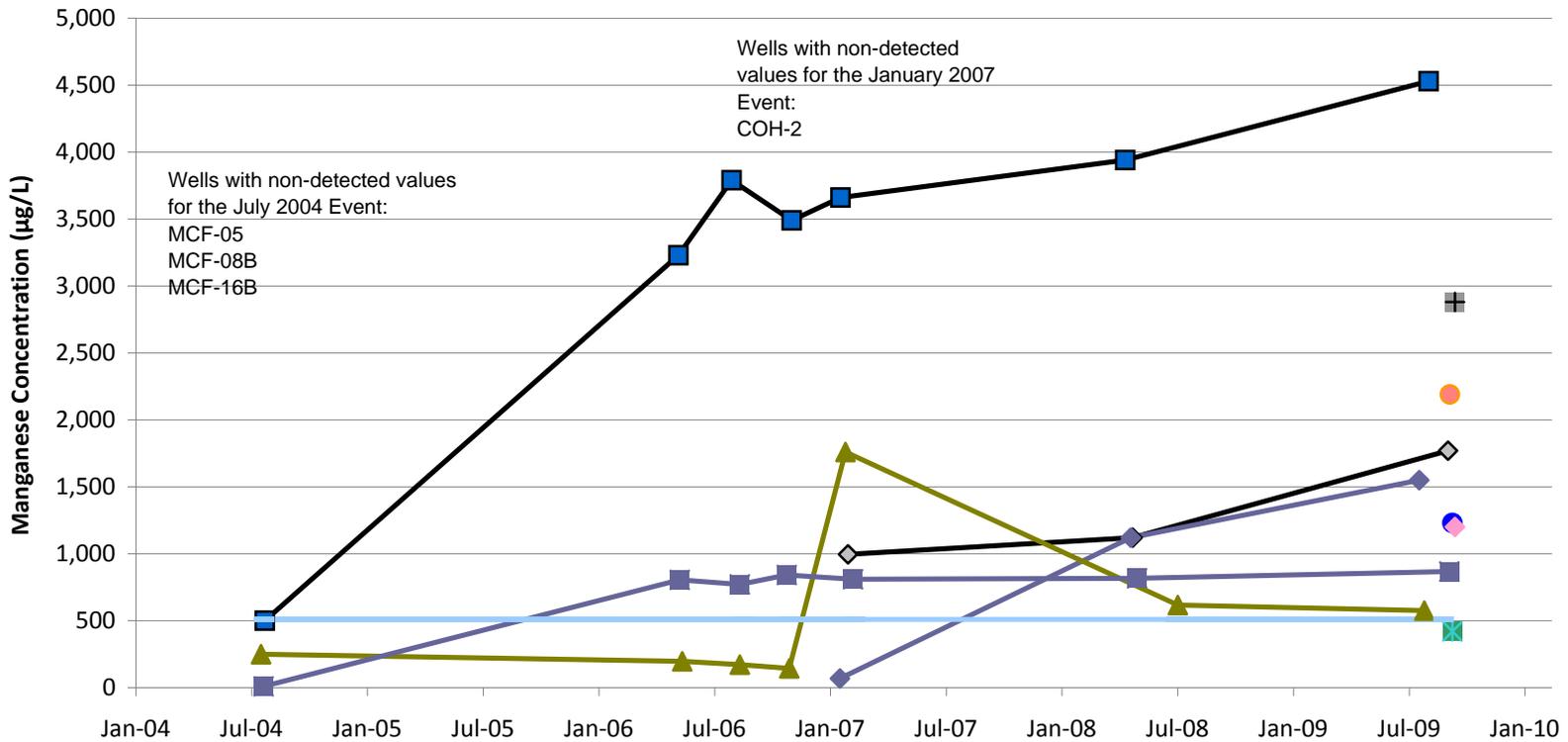


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

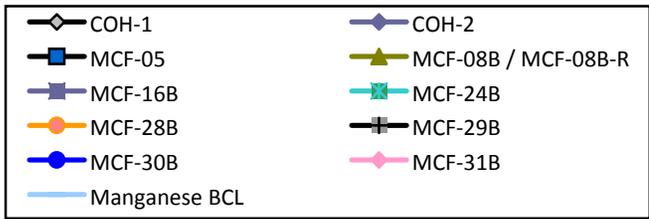
2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**MANGANESE
CONCENTRATION TREND GRAPH
SHALLOW WATER BEARING ZONE**





July 2004 through August 2009



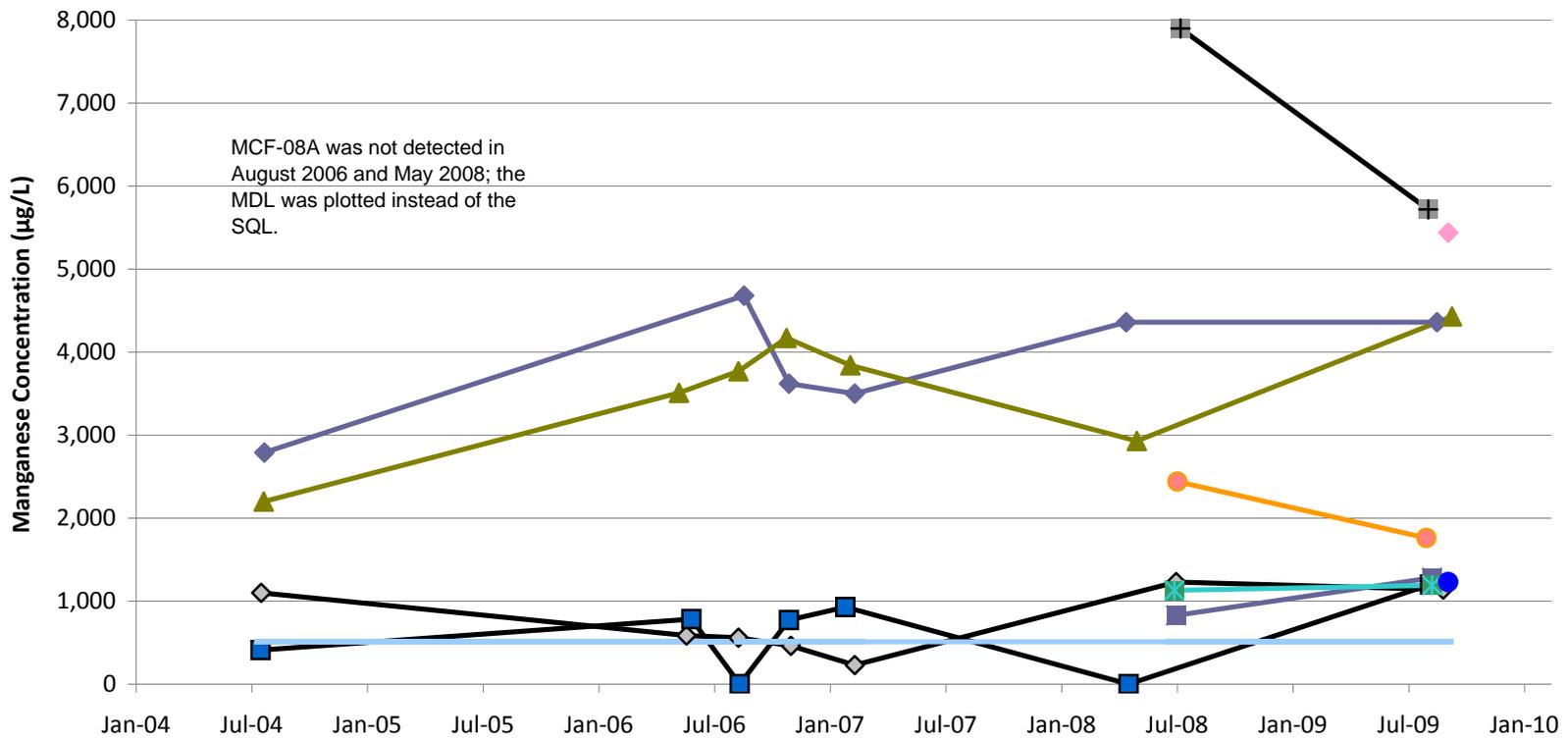
Note:

The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

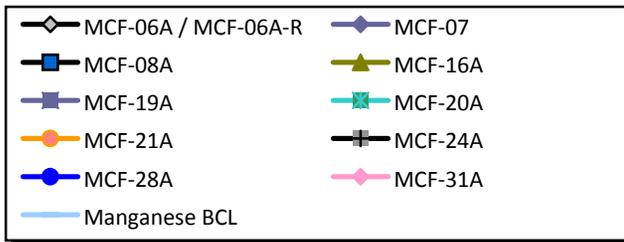
2009 Event Report
 (April 2006 - August 2009)
 BMI Common Areas (Eastside)
 Clark County, Nevada

**MANGANESE
 CONCENTRATION TREND GRAPH
 MIDDLE WATER BEARING ZONE**





July 2004 through August 2009

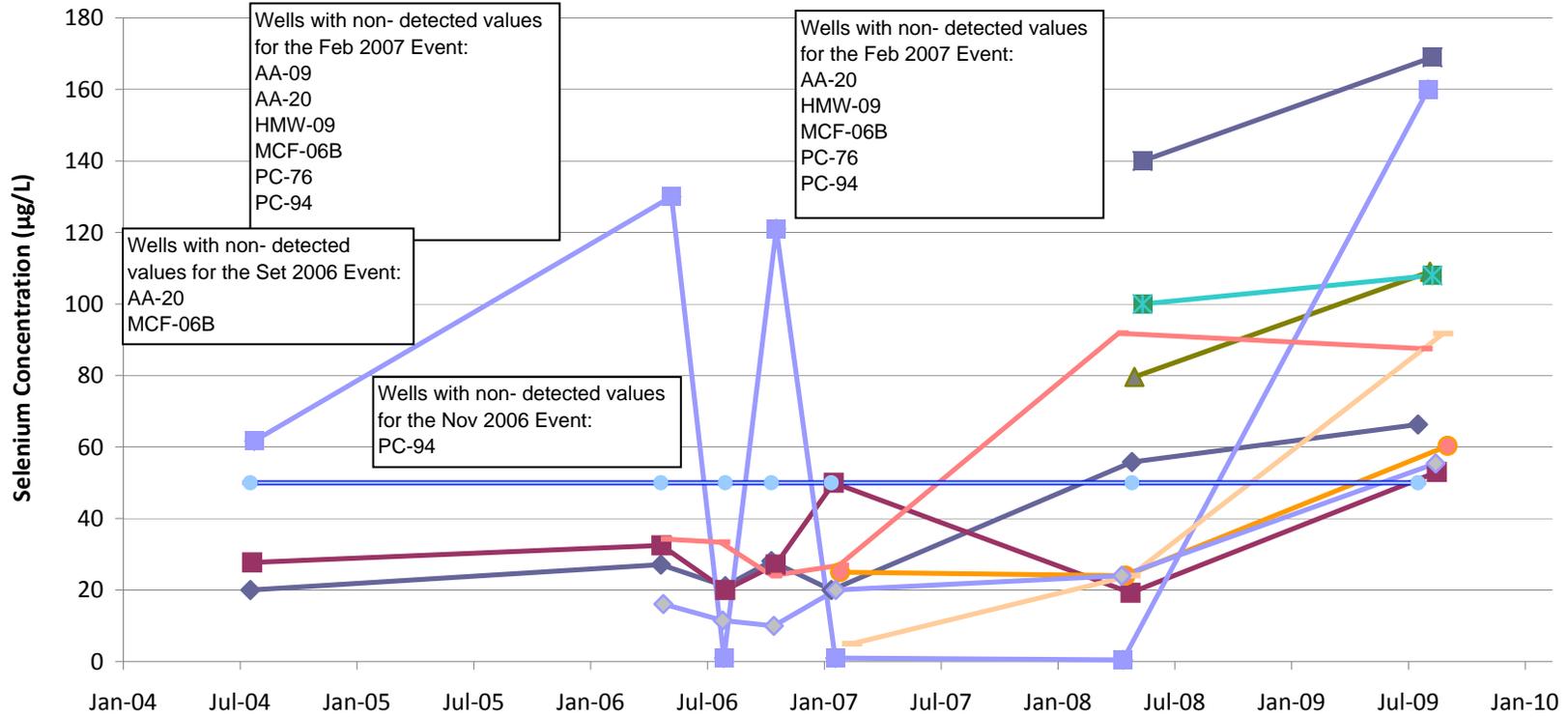


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

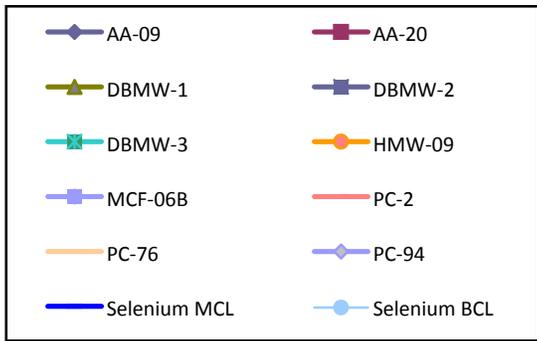
2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**MANGANESE
CONCENTRATION TREND GRAPH
DEEP WATER BEARING ZONE**





July 2004 through August 2009



Notes:

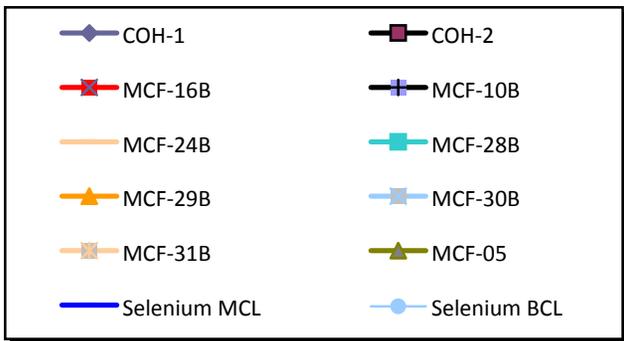
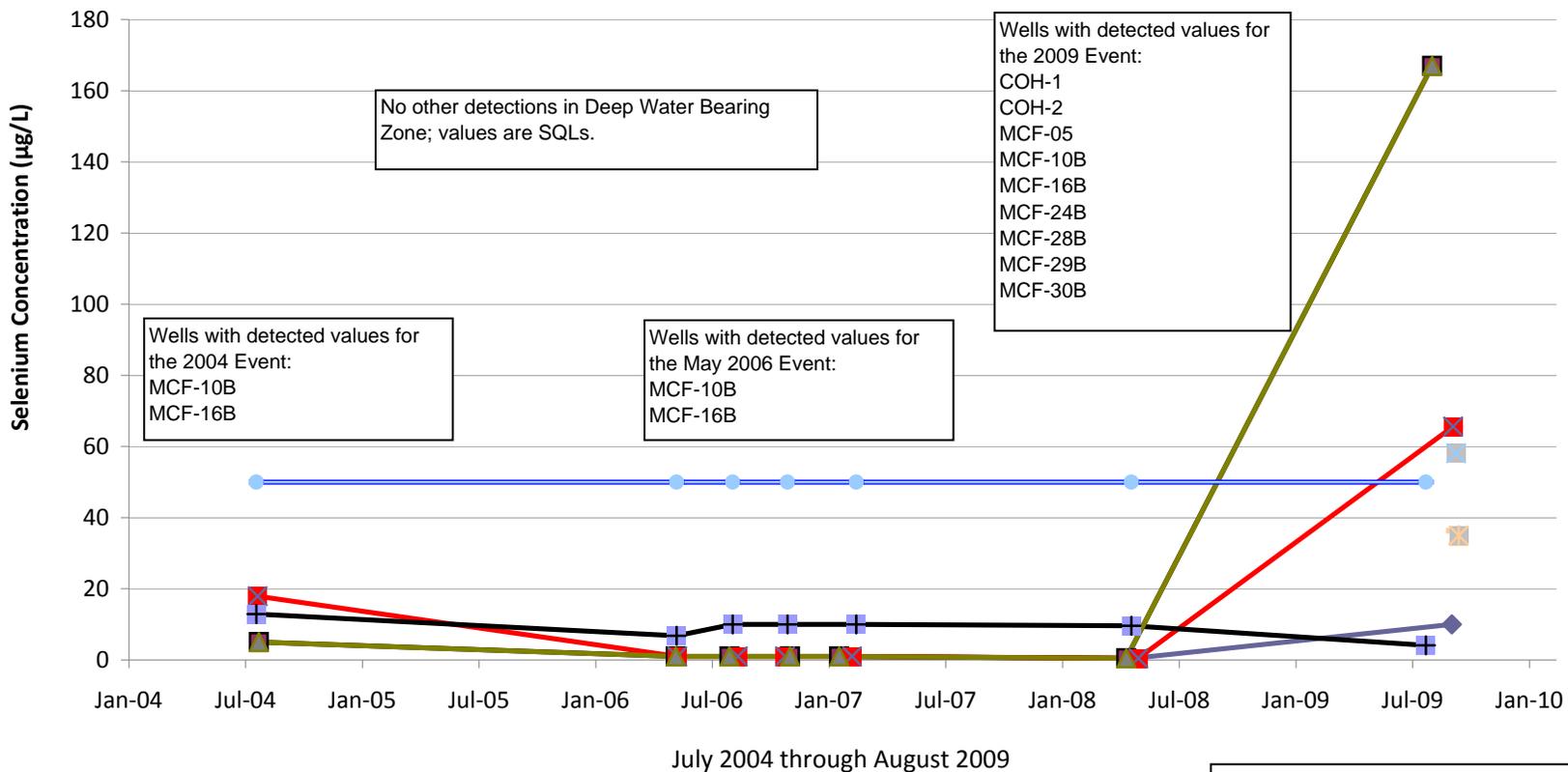
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

MCF-06B (Aug 2006, Feb 2007 and May 2008 Event) MDL value was plotted instead of SQL.

2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**SELENIUM
CONCENTRATION TREND GRAPH
SHALLOW WATER BEARING ZONE**





Notes:

The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

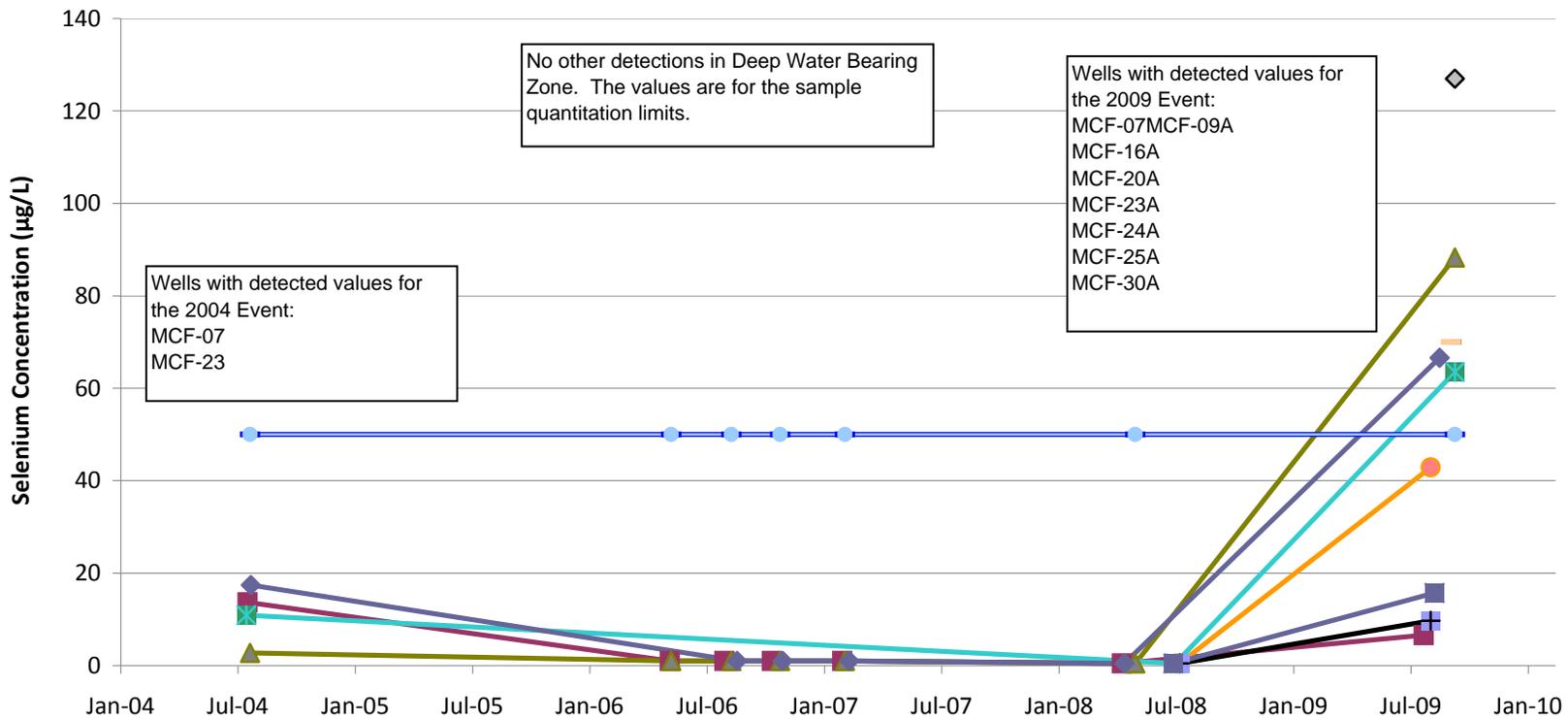
COH-1 (Feb 2007 and May 2008) and COH-2 (May 2008) MDL value was plotted instead of SQL.

MCF-05 and MCF-16B (May 2006, Aug 2006, Oct 2006, Feb 2007 and May 2008 Event) MDL value was plotted instead of SQL

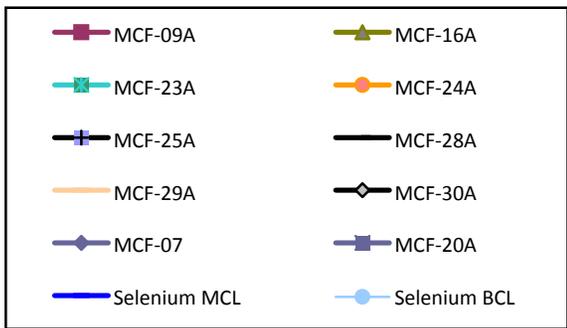
2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**SELENIUM
CONCENTRATION TREND GRAPH
MIDDLE WATER BEARING ZONE**





July 2004 through August 2009



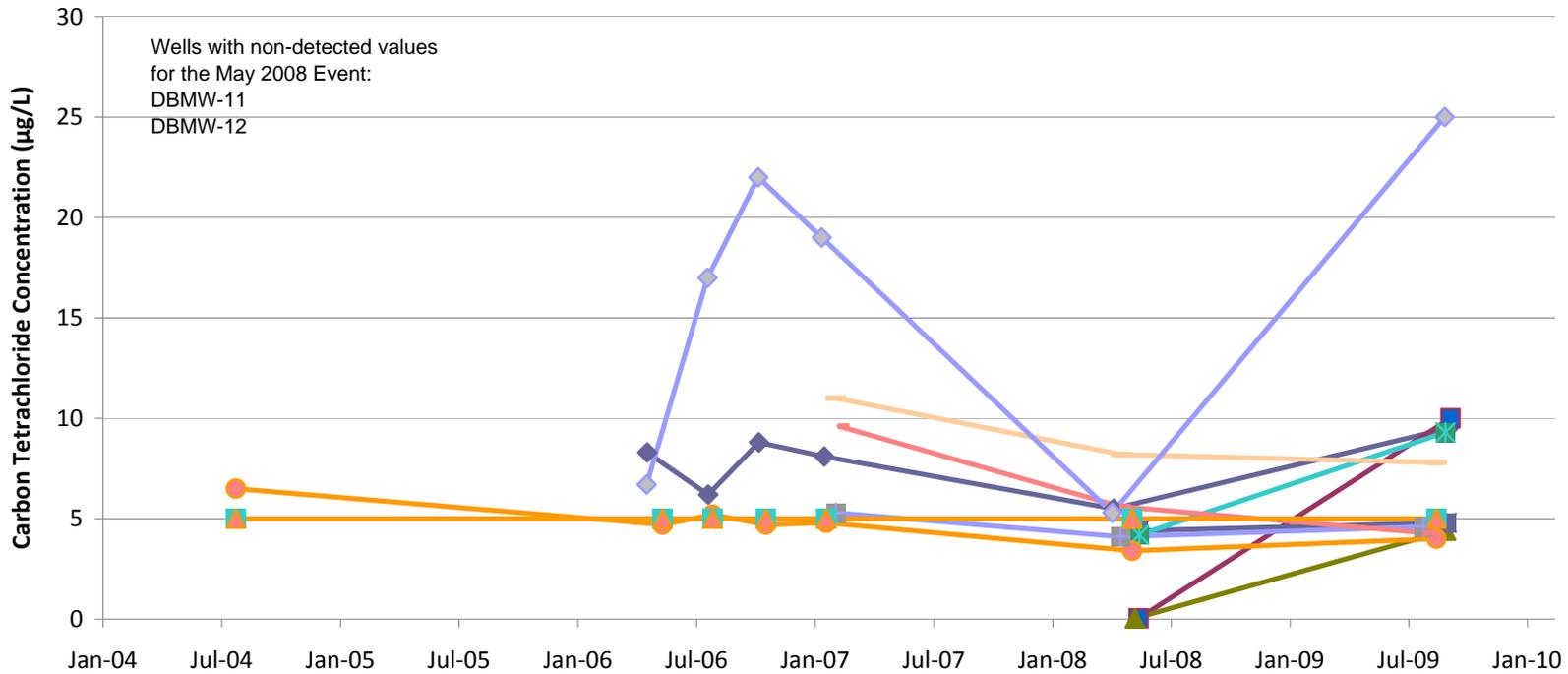
Notes:

The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

The MDL value was plotted for all non-detected values except MCF-28A and MCF-29A, which have an SQL value of 70 µg/L

2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**SELENIUM
CONCENTRATION TREND GRAPH
DEEP WATER BEARING ZONE**



July 2004 through August 2009

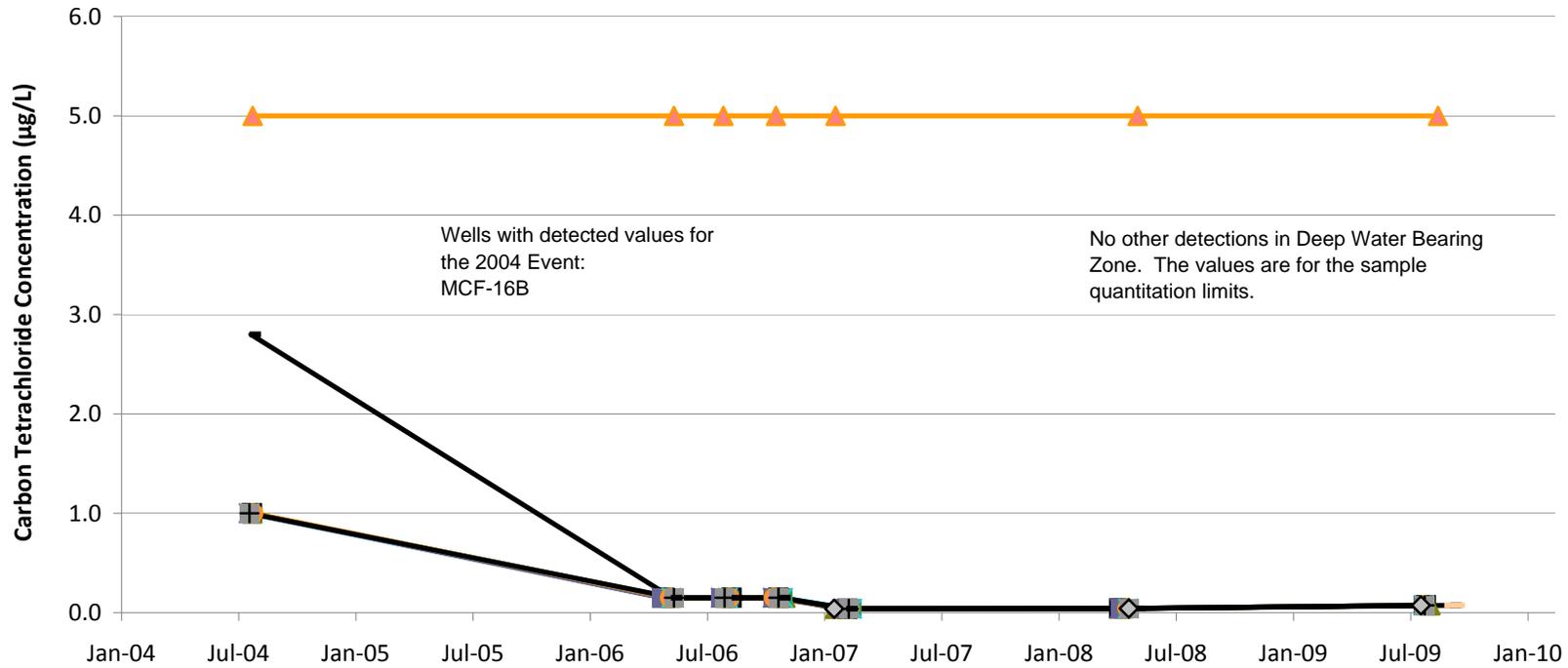
- ◆ BEC-6
- ▲ DBMW-12
- DBMW-8
- PC-24
- PC-67
- Carbon Tetrachloride MCL
- DBMW-11
- DBMW-7
- MCF-06C
- PC-28
- ◆ POU3
- ▲ Carbon Tetrachloride BCL

Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

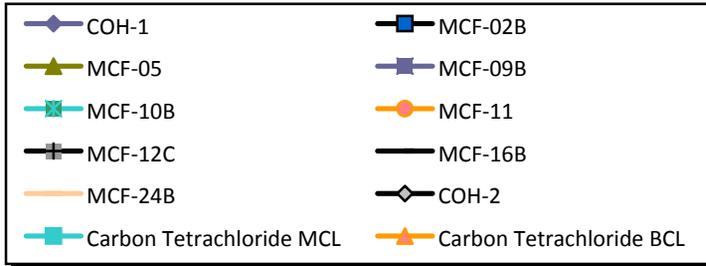
2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**CARBON TETRACHLORIDE
CONCENTRATION TREND GRAPH
SHALLOW WATER BEARING ZONE**





July 2004 through August 2009

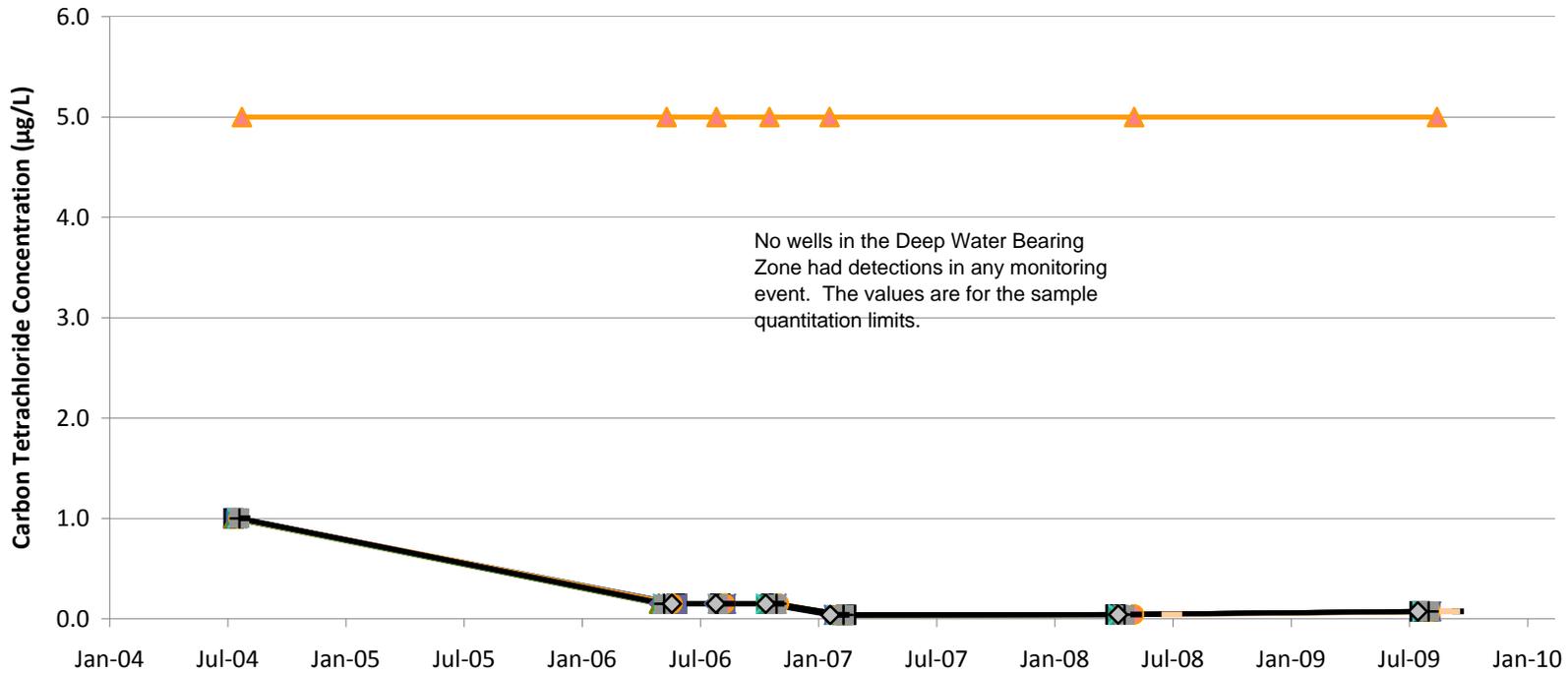


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

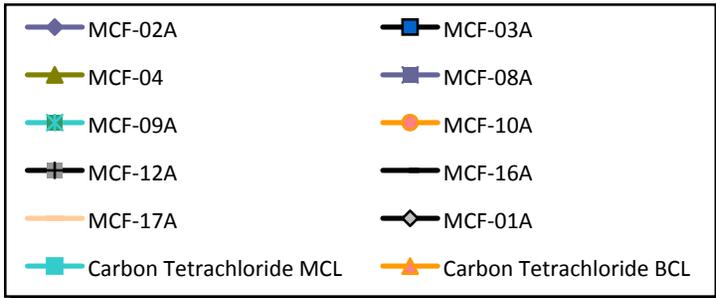
2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**CARBON TETRACHLORIDE
CONCENTRATION TREND GRAPH
MIDDLE WATER BEARING ZONE**





July 2004 through August 2009



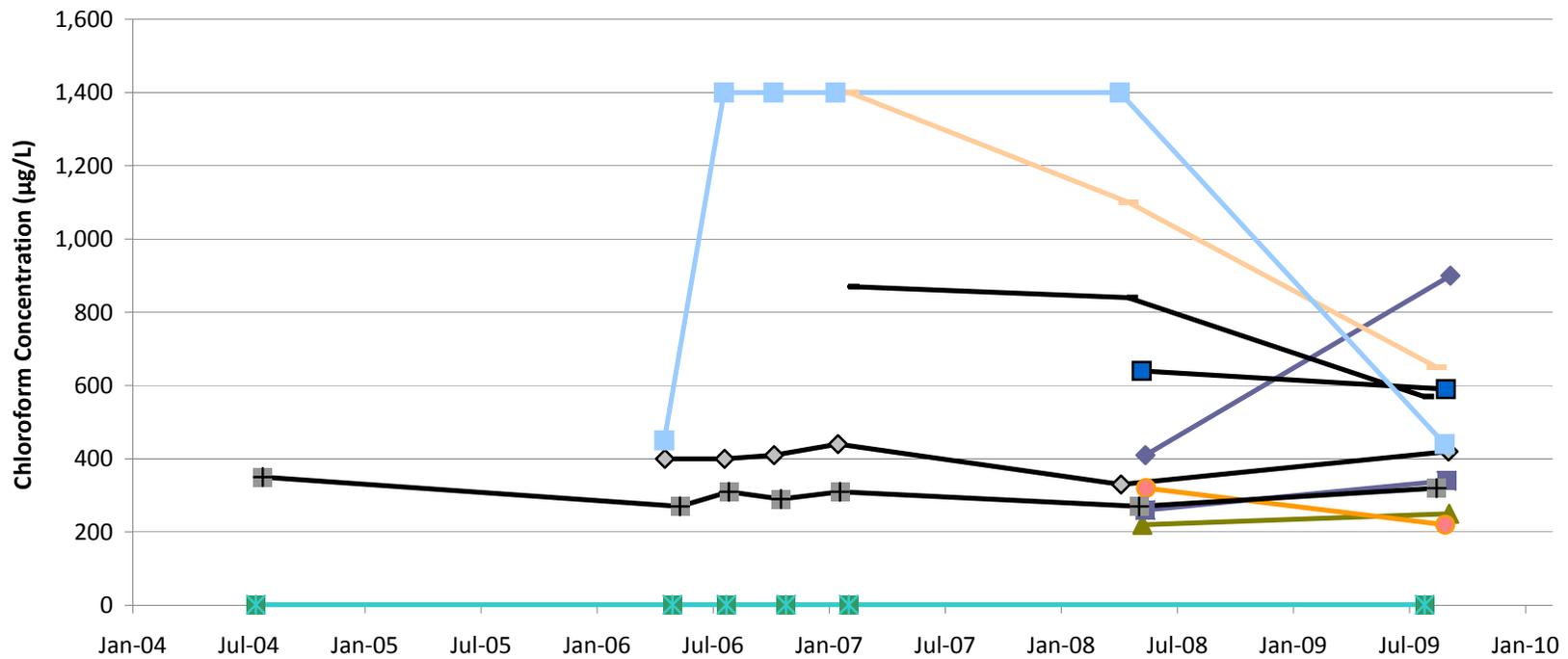
Note:

The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

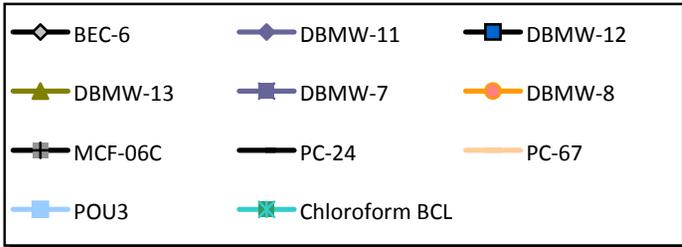
2009 Event Report
 (April 2006 - August 2009)
 BMI Common Areas (Eastside)
 Clark County, Nevada

**CARBON TETRACHLORIDE
 CONCENTRATION TREND GRAPH
 DEEP WATER BEARING ZONE**





July 2004 through August 2009

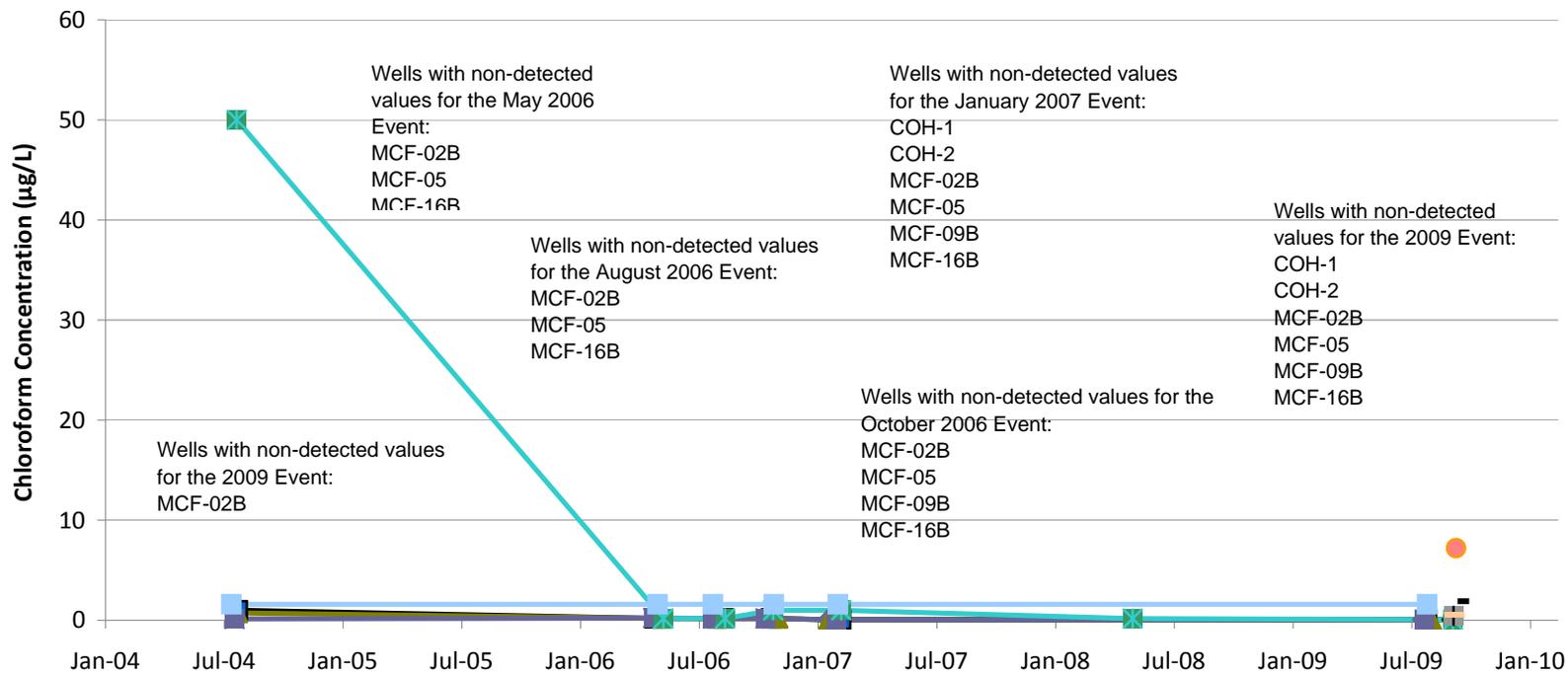


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

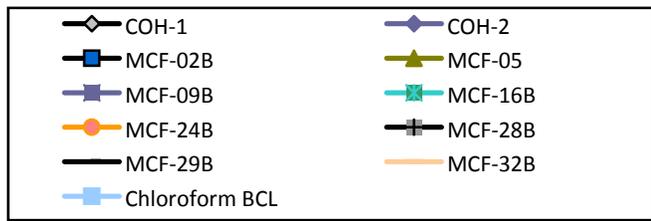
2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**CHLOROFORM
CONCENTRATION TREND GRAPH
SHALLOW WATER BEARING ZONE**





July 2004 through August 2009

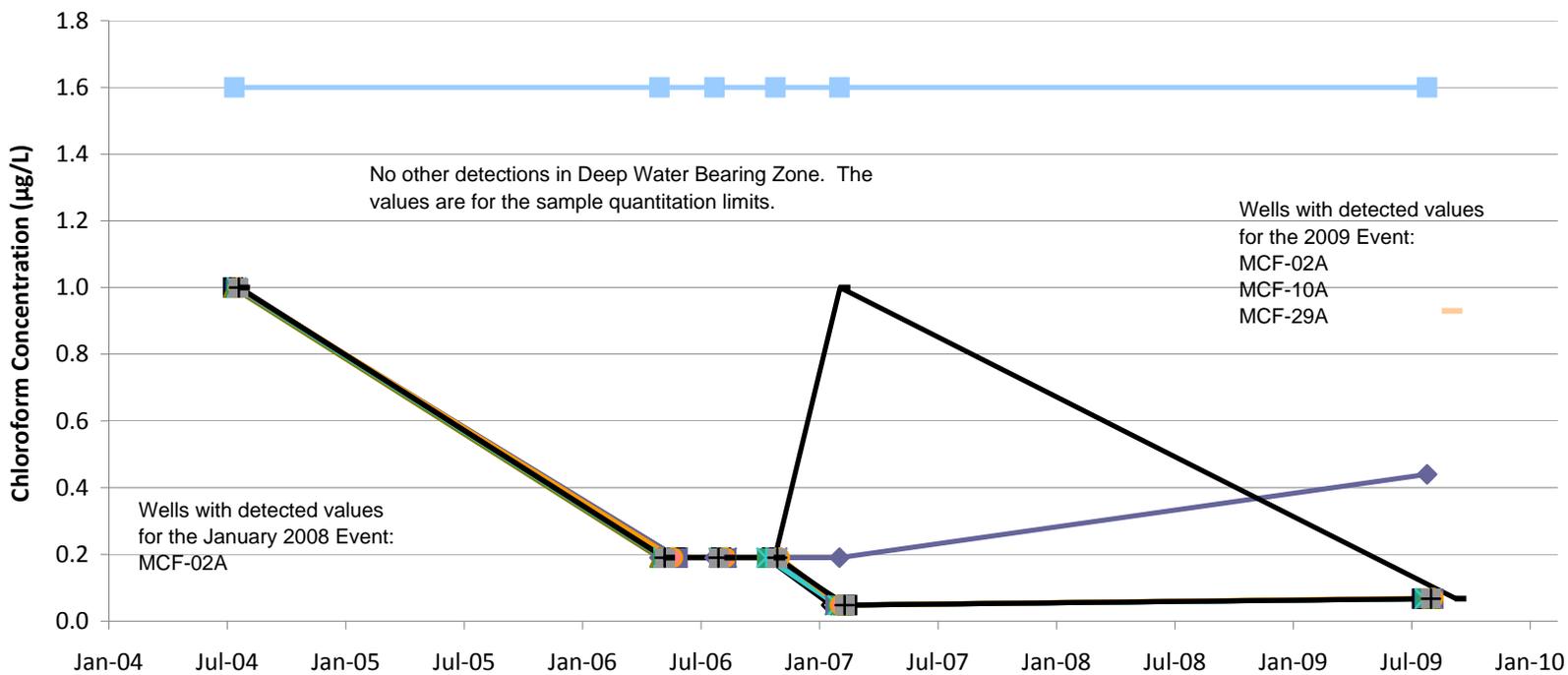


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

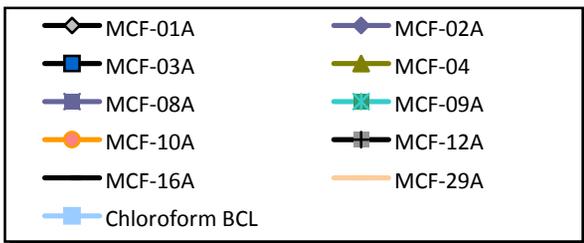
2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**CHLOROFORM
CONCENTRATION TREND GRAPH
MIDDLE WATER BEARING ZONE**





July 2004 through August 2009

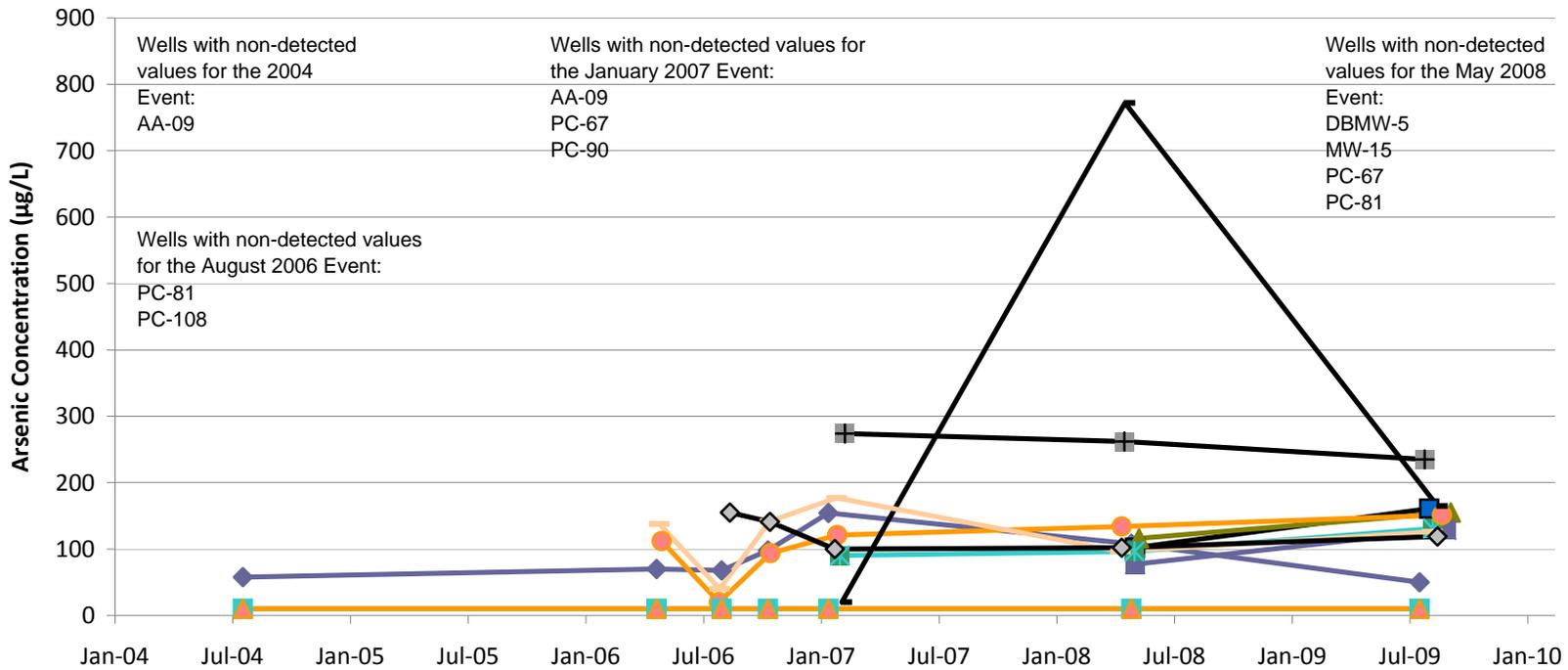


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

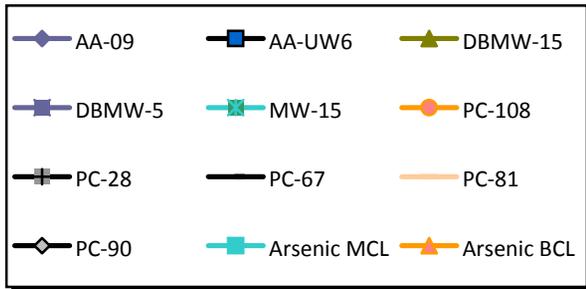
2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**CHLOROFORM
CONCENTRATION TREND GRAPH
DEEP WATER BEARING ZONE**





July 2004 through August 2009

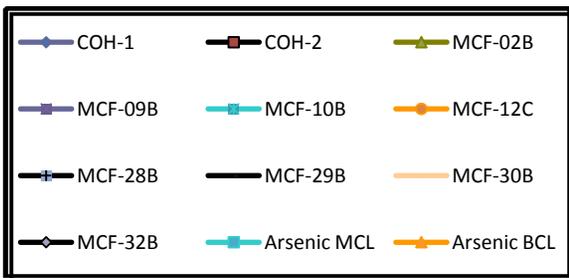
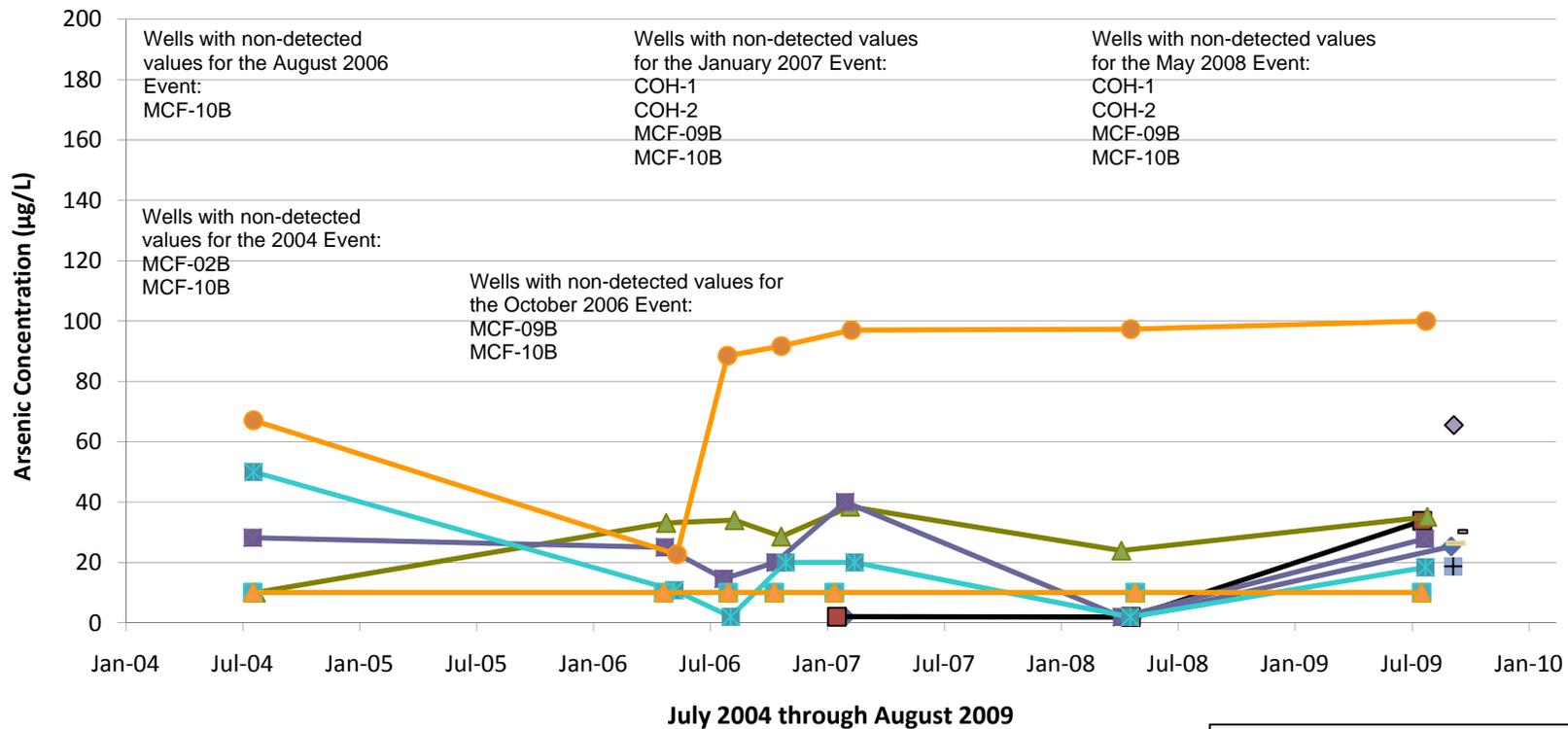


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**ARSENIC
CONCENTRATION TREND GRAPH
SHALLOW WATER BEARING ZONE**



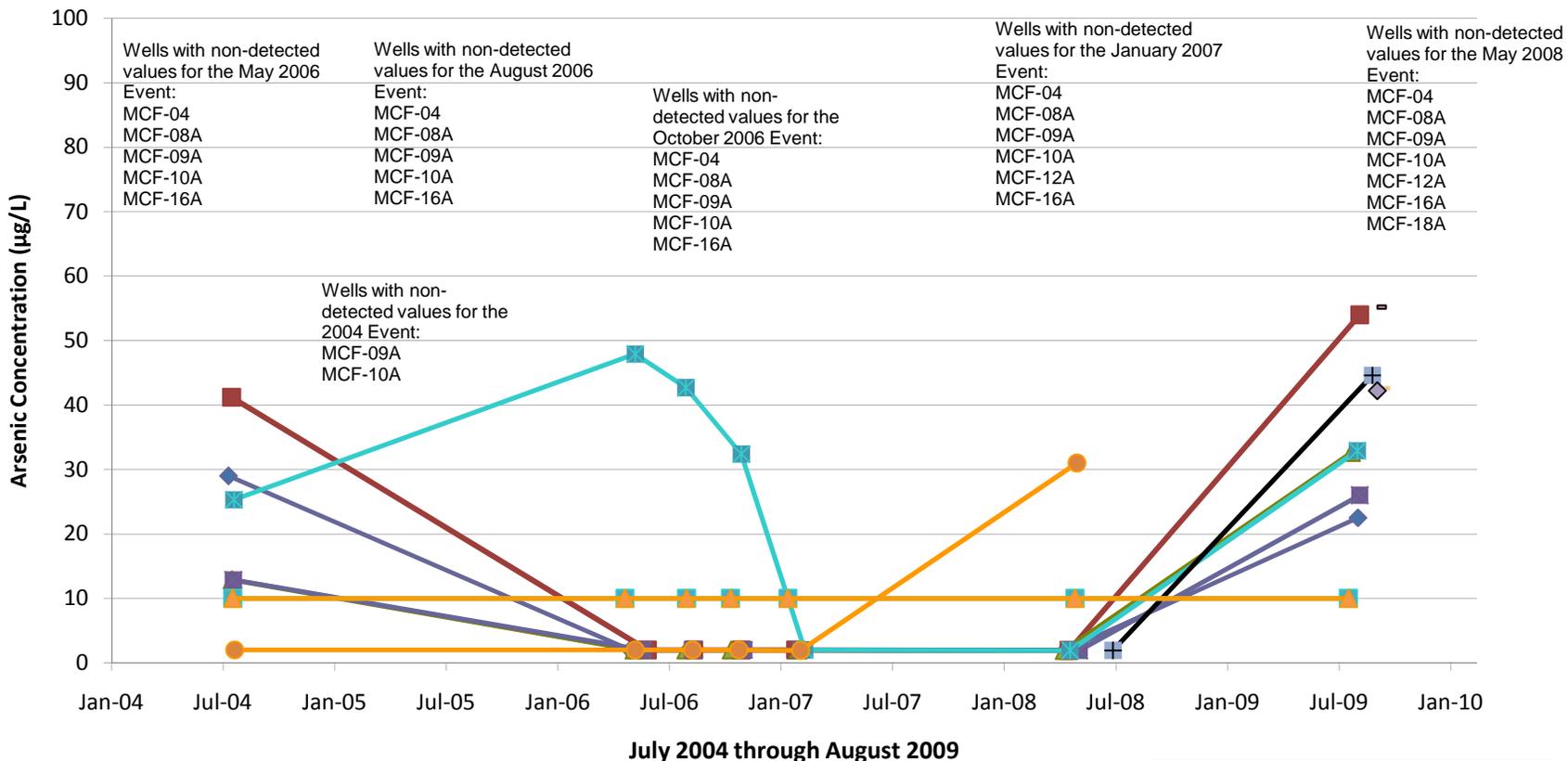


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

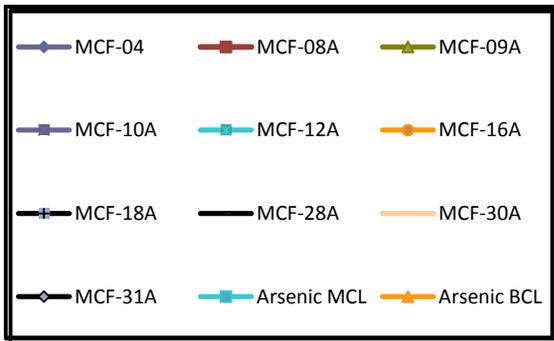
COH-1 and COH -2 (Feb 2007 and May 2008) MDL value was plotted instead SQL
MCF-09B (May 2008) MDL value was plotted instead SQL
MCF-10B (Aug 2006, and May 2008 Event) MDL value was plotted instead SQL

2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**ARSENIC
CONCENTRATION TREND GRAPH
MIDDLE WATER BEARING ZONE**



July 2004 through August 2009

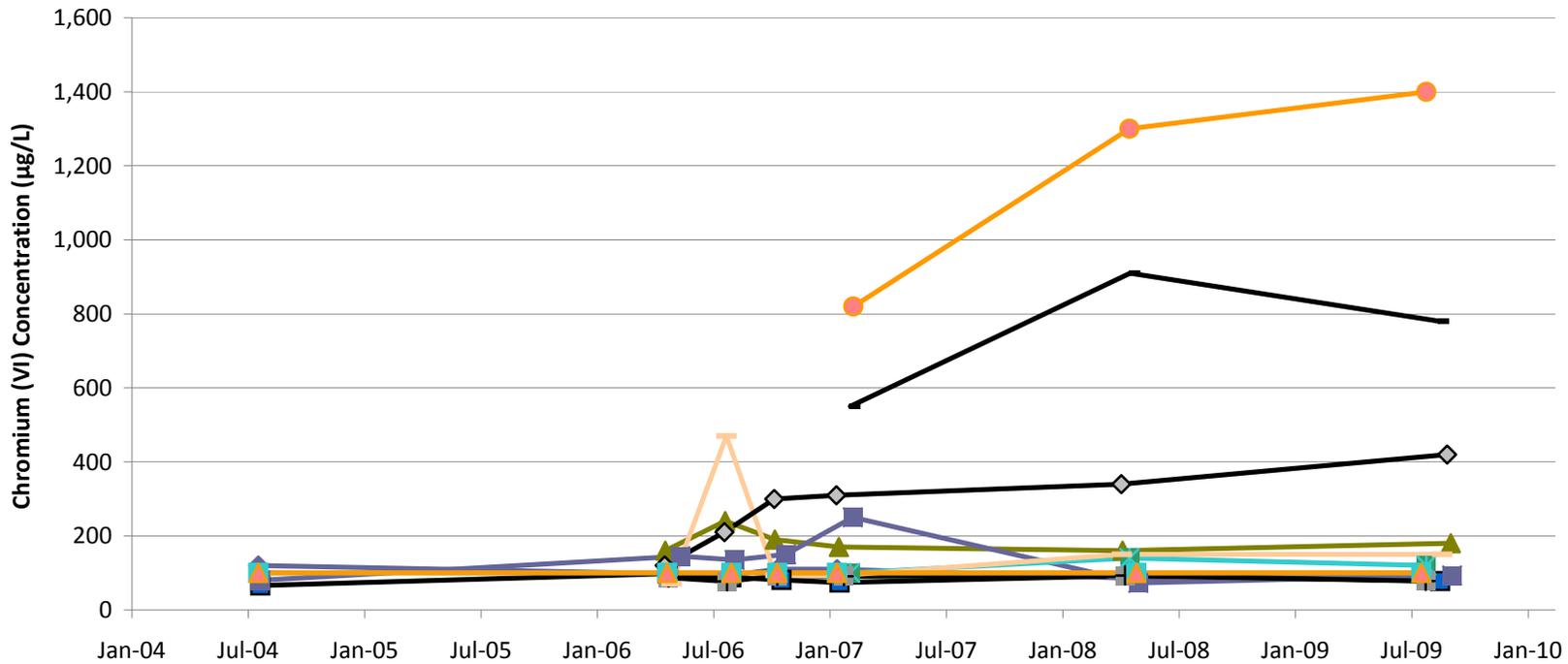


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

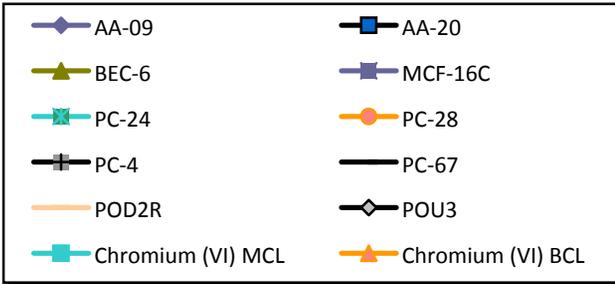
The MDL value was plotted for all non-detected values

2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**ARSENIC
CONCENTRATION TREND GRAPH
DEEP WATER BEARING ZONE**



July 2004 through August 2009

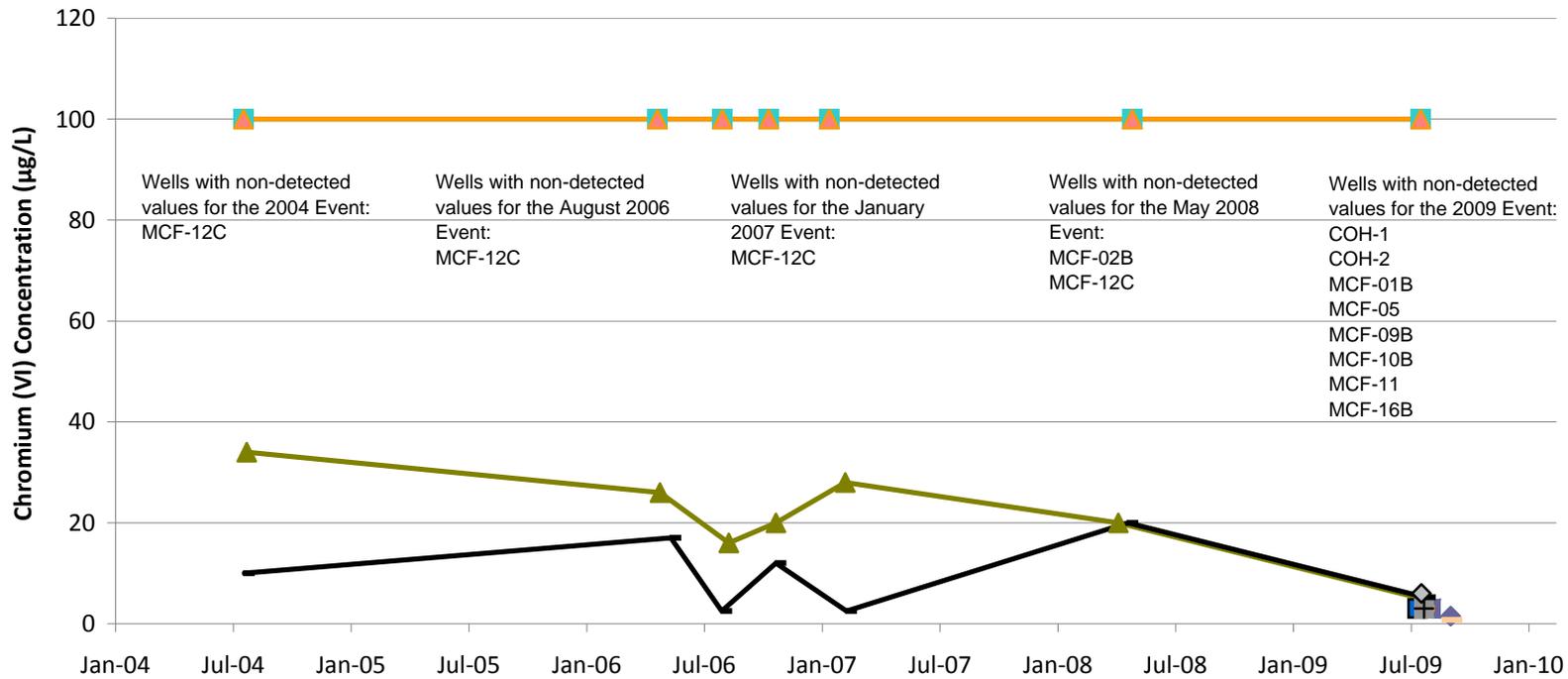


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

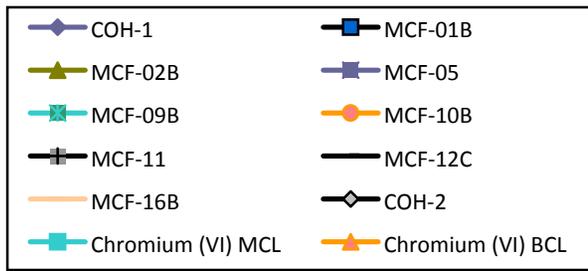
2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**CHROMIUM (VI)
CONCENTRATION TREND GRAPH
SHALLOW WATER BEARING ZONE**





July 2004 through August 2009



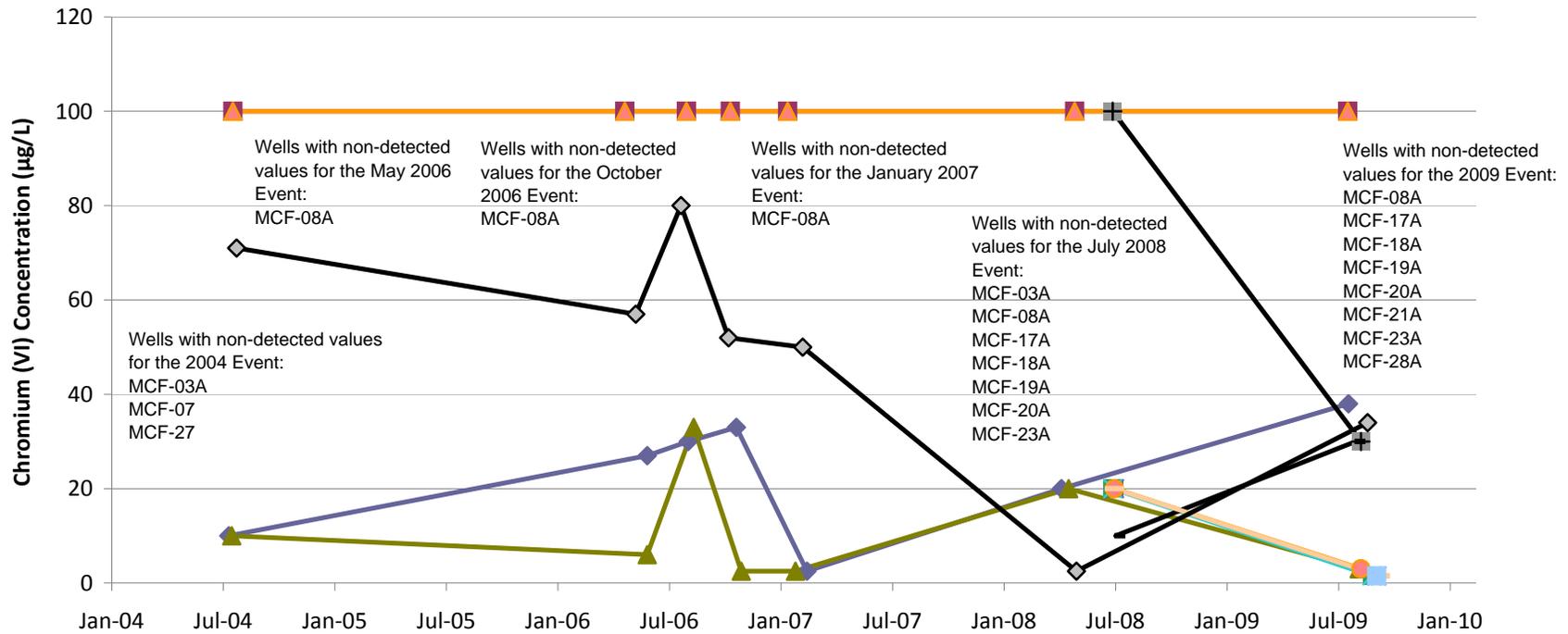
Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

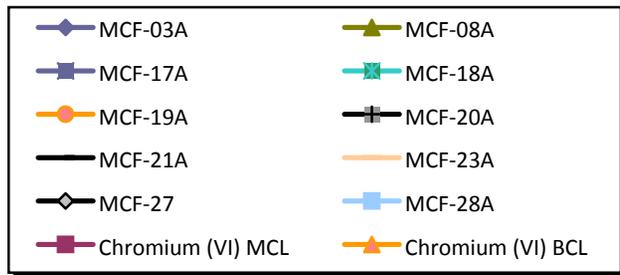
**CHROMIUM (VI)
CONCENTRATION TREND GRAPH
MIDDLE WATER BEARING ZONE**



MFC-12A (2004 Event) MDL value was plotted instead SQL



July 2004 through August 2009



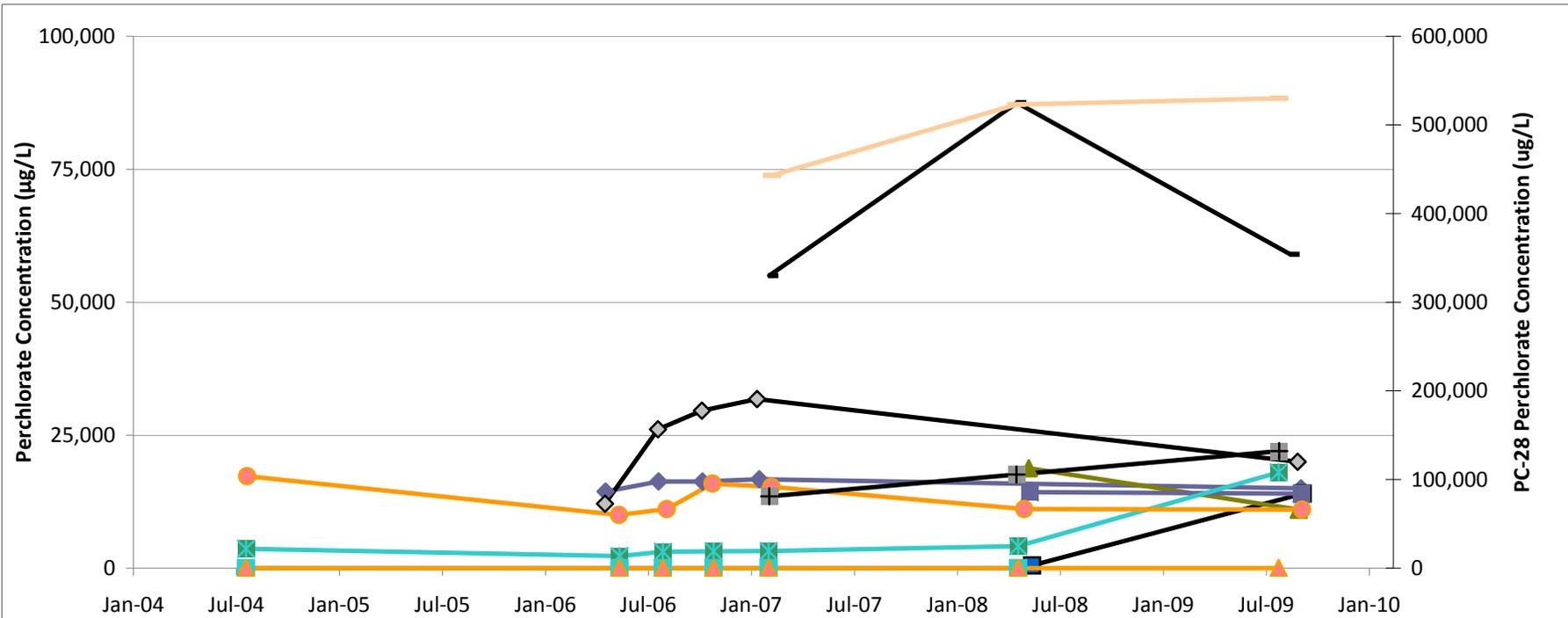
Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

2009 Event Report
(April 2006 - August 2009)
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Clark County, Nevada

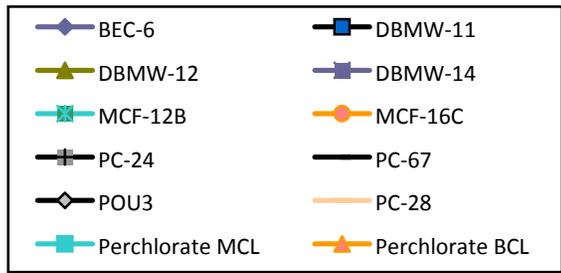
**CHROMIUM (VI)
CONCENTRATION TREND GRAPH
DEEP WATER BEARING ZONE**



MFC-03A & MCF-08A (2004 Event) MDL value was plotted instead SQL value



July 2004 through August 2009

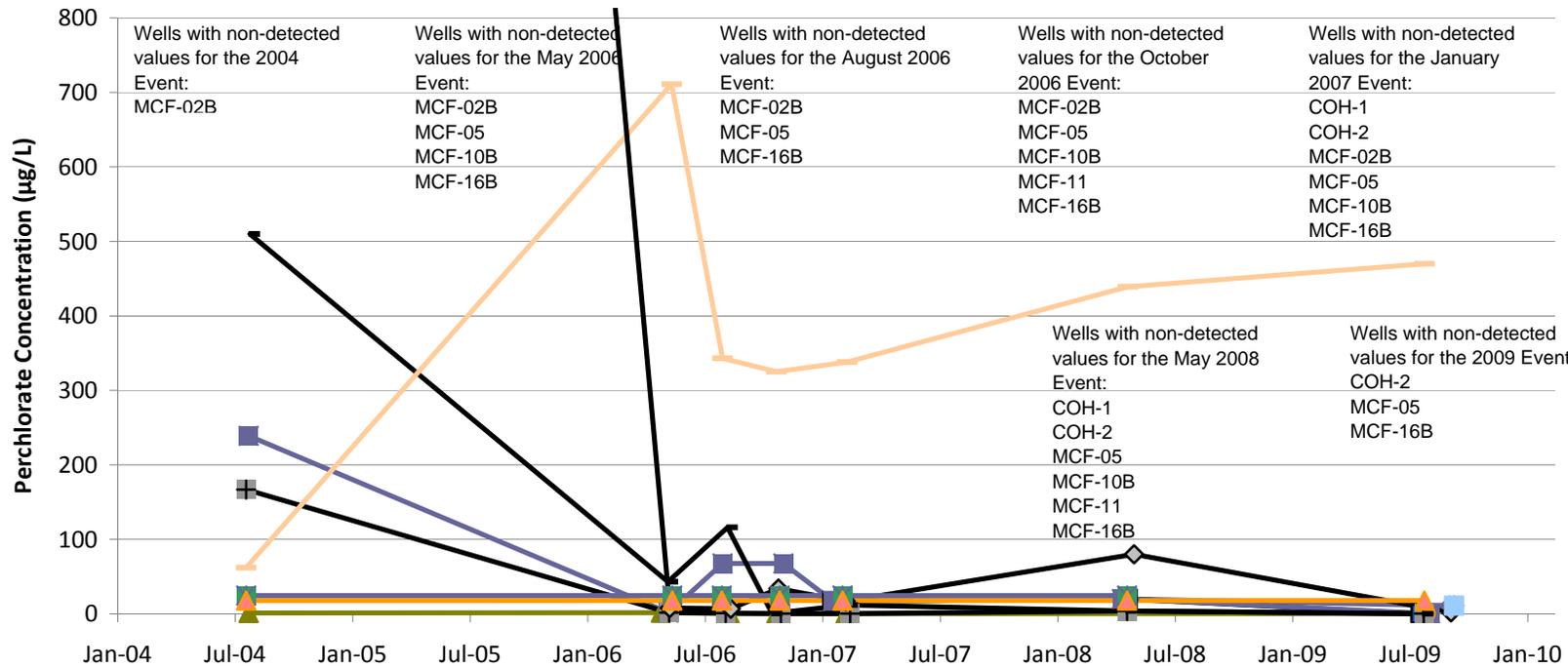


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

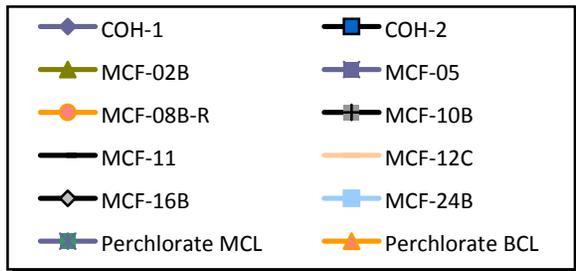
2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**PERCHLORATE
CONCENTRATION TREND GRAPH
SHALLOW WATER BEARING ZONE**





July 2004 through August 2009

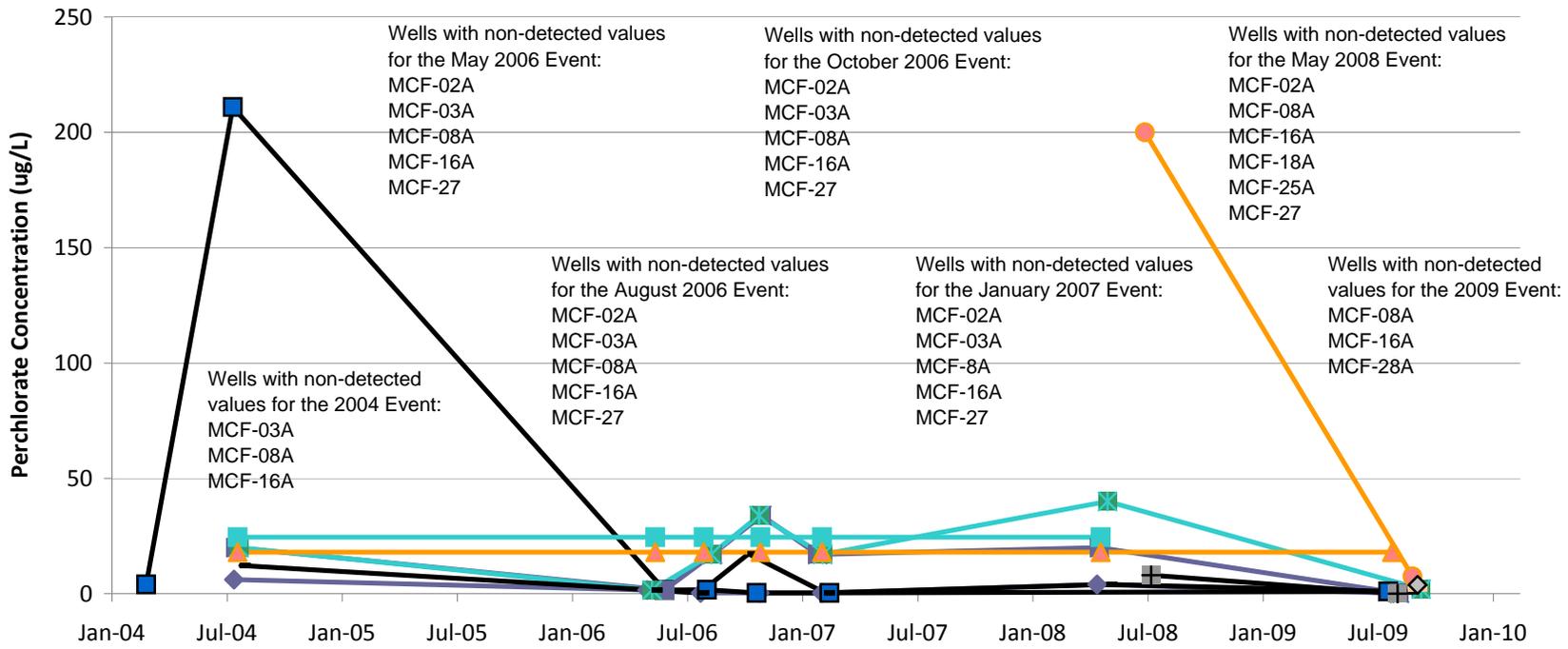


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

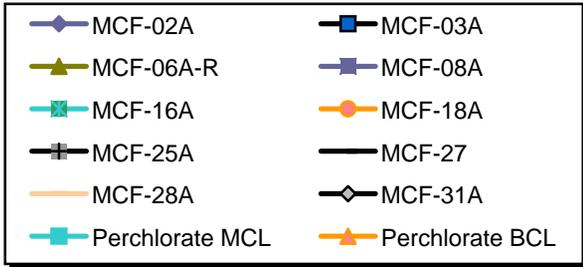
2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**PERCHLORATE
CONCENTRATION TREND GRAPH
MIDDLE WATER BEARING ZONE**





July 2004 through August 2009

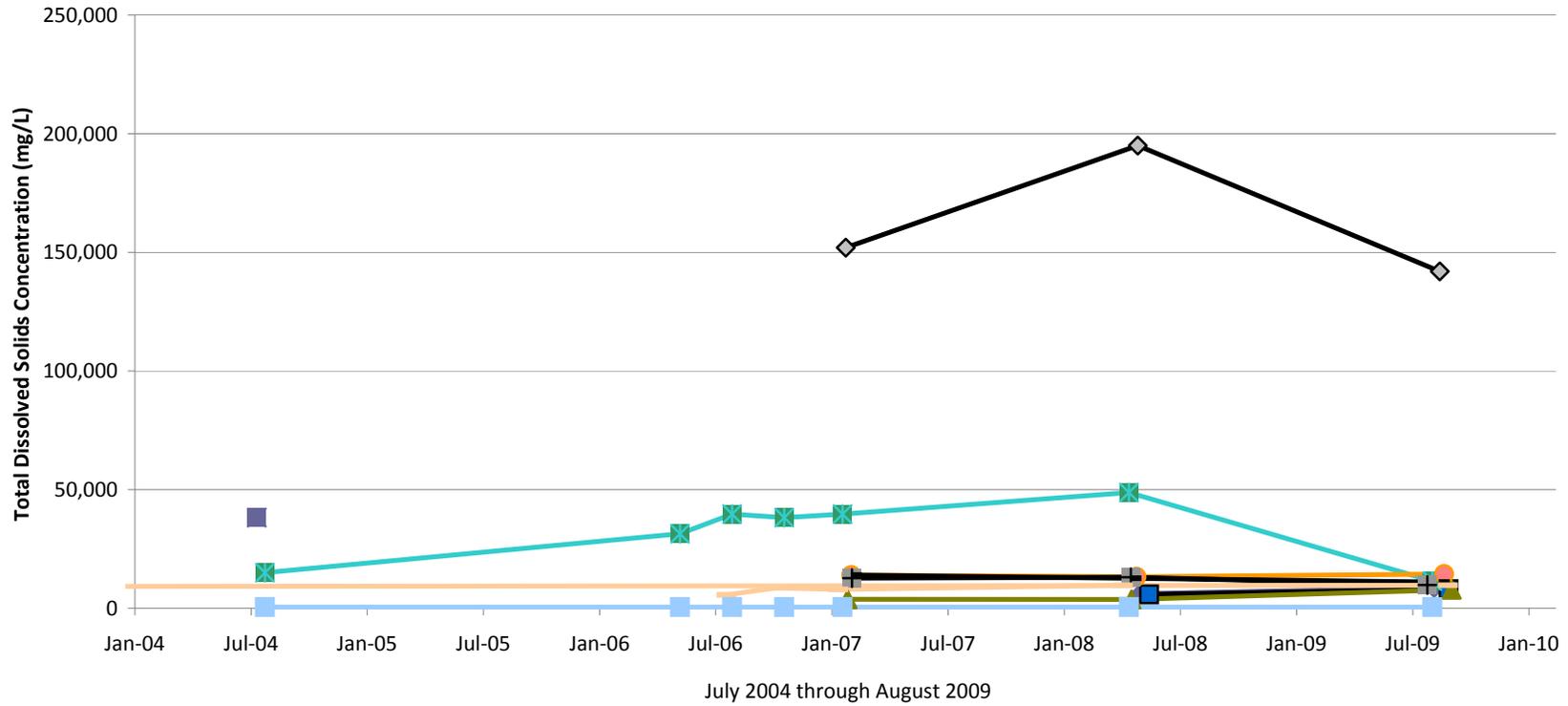


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

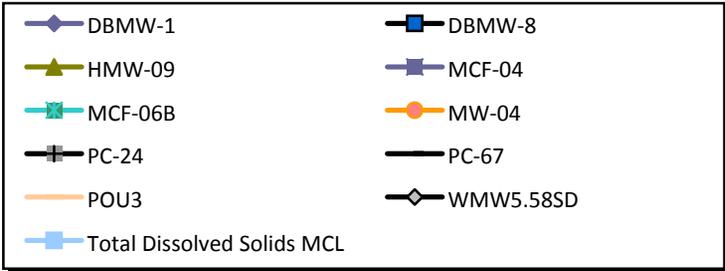
2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**PERCHLORATE
CONCENTRATION TREND GRAPH
DEEP WATER BEARING ZONE**





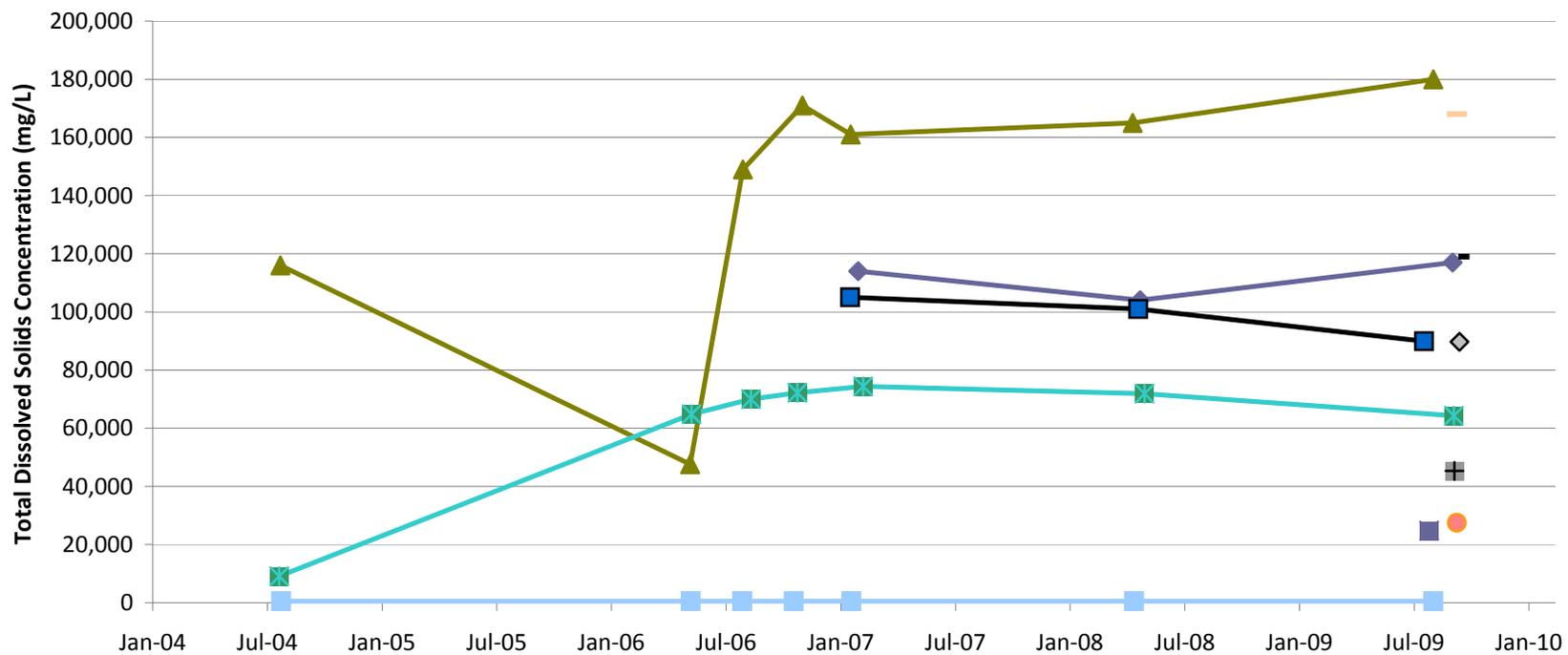
July 2004 through August 2009



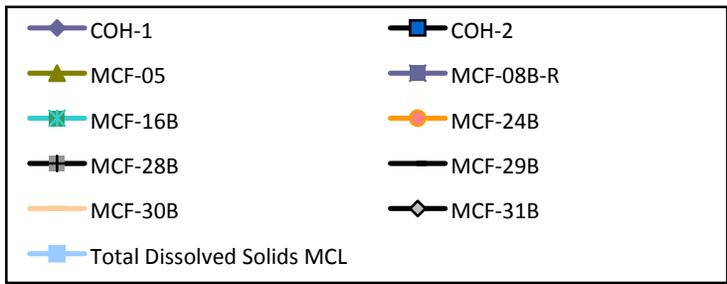
Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**TOTAL DISSOLVED SOLIDS
CONCENTRATION TREND GRAPH
SHALLOW WATER BEARING ZONE**



July 2004 through August 2009

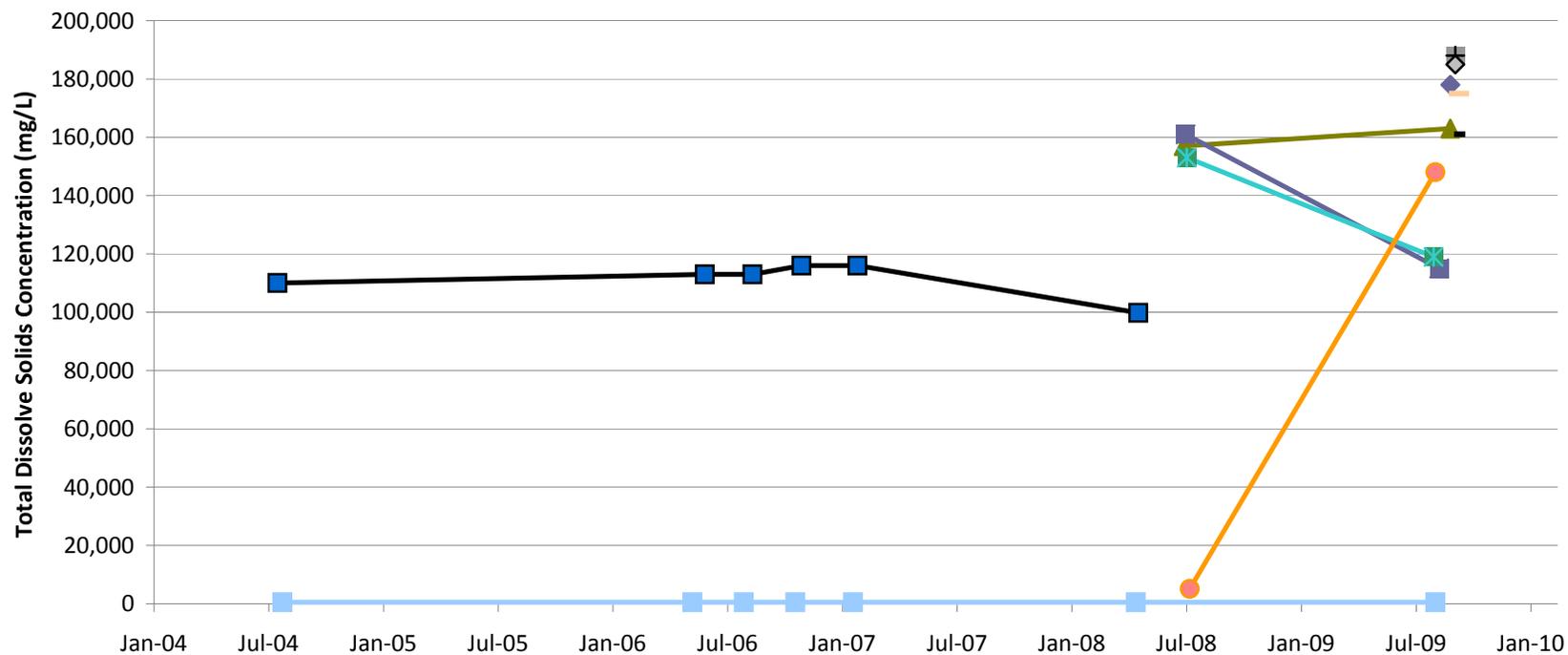


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

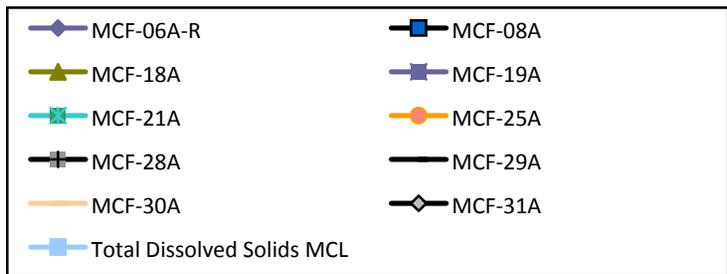
2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**TOTAL DISSOLVED SOLIDS
CONCENTRATION TREND GRAPH
MIDDLE WATER BEARING ZONE**





July 2004 through August 2009

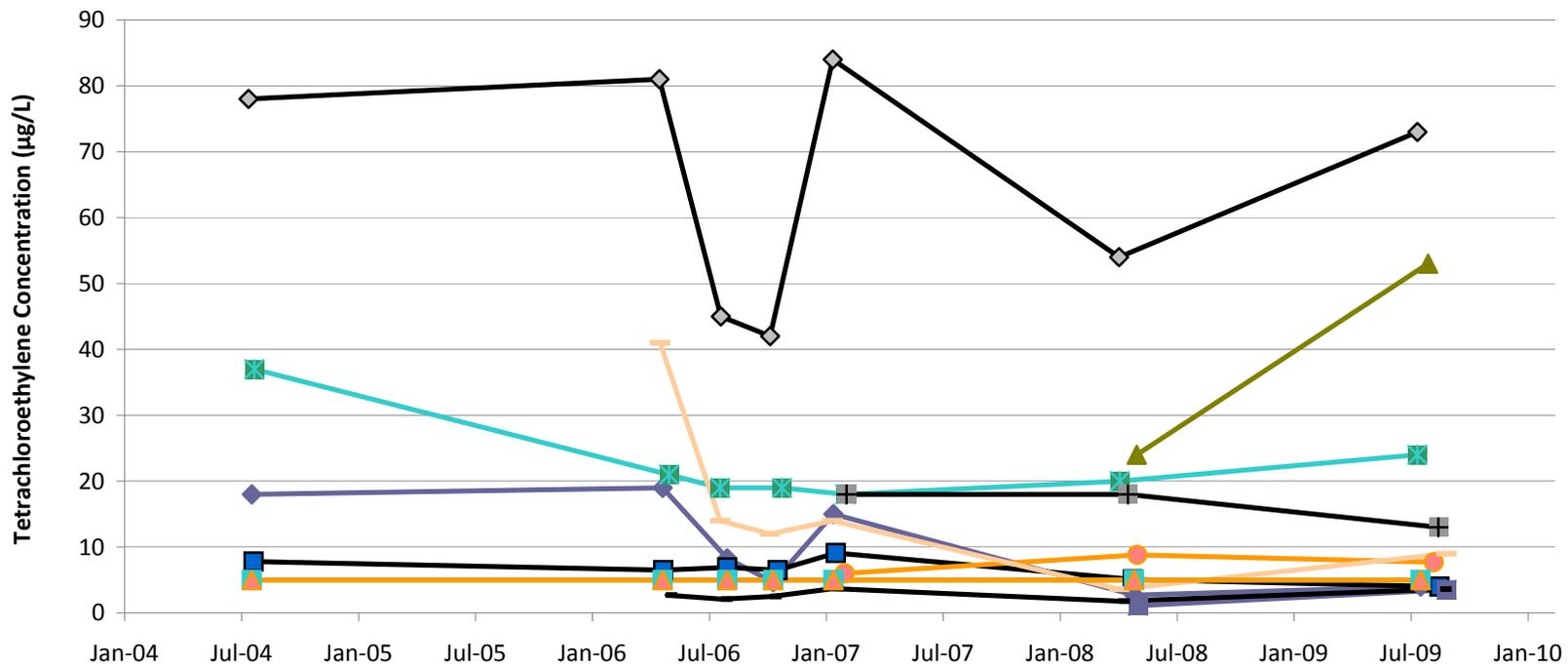


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

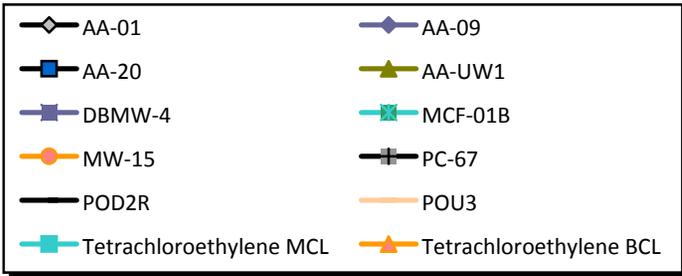
2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**TOTAL DISSOLVED SOLIDS
CONCENTRATION TREND GRAPH
DEEP WATER BEARING ZONE**





July 2004 through August 2009

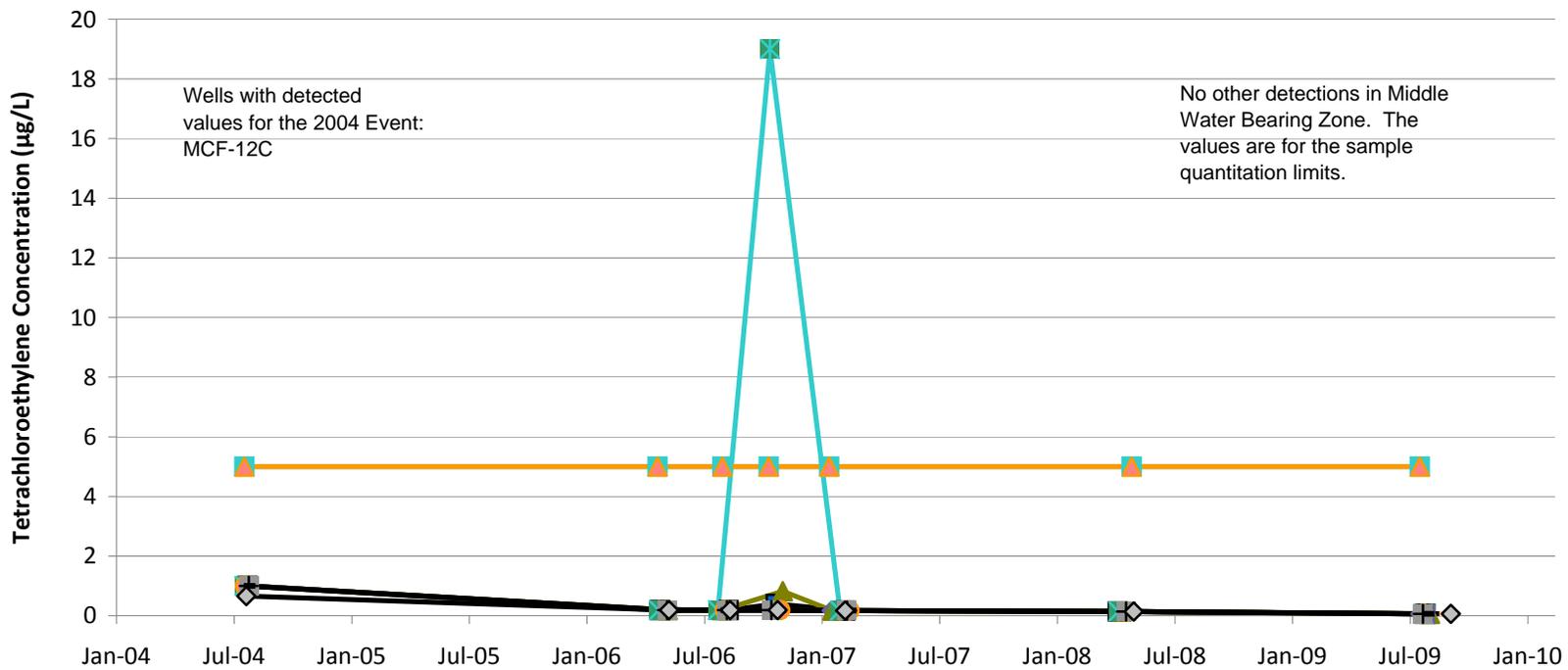


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

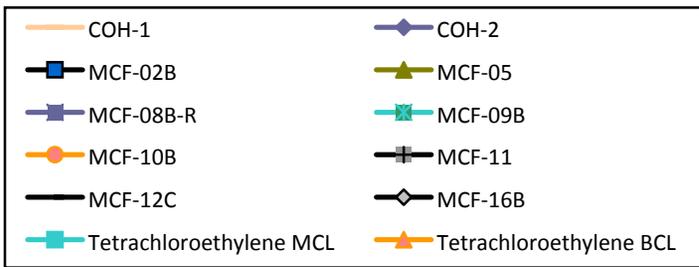
2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**TETRACHLOROETHYLENE
CONCENTRATION TREND GRAPH
SHALLOW WATER BEARING ZONE**





July 2004 through August 2009

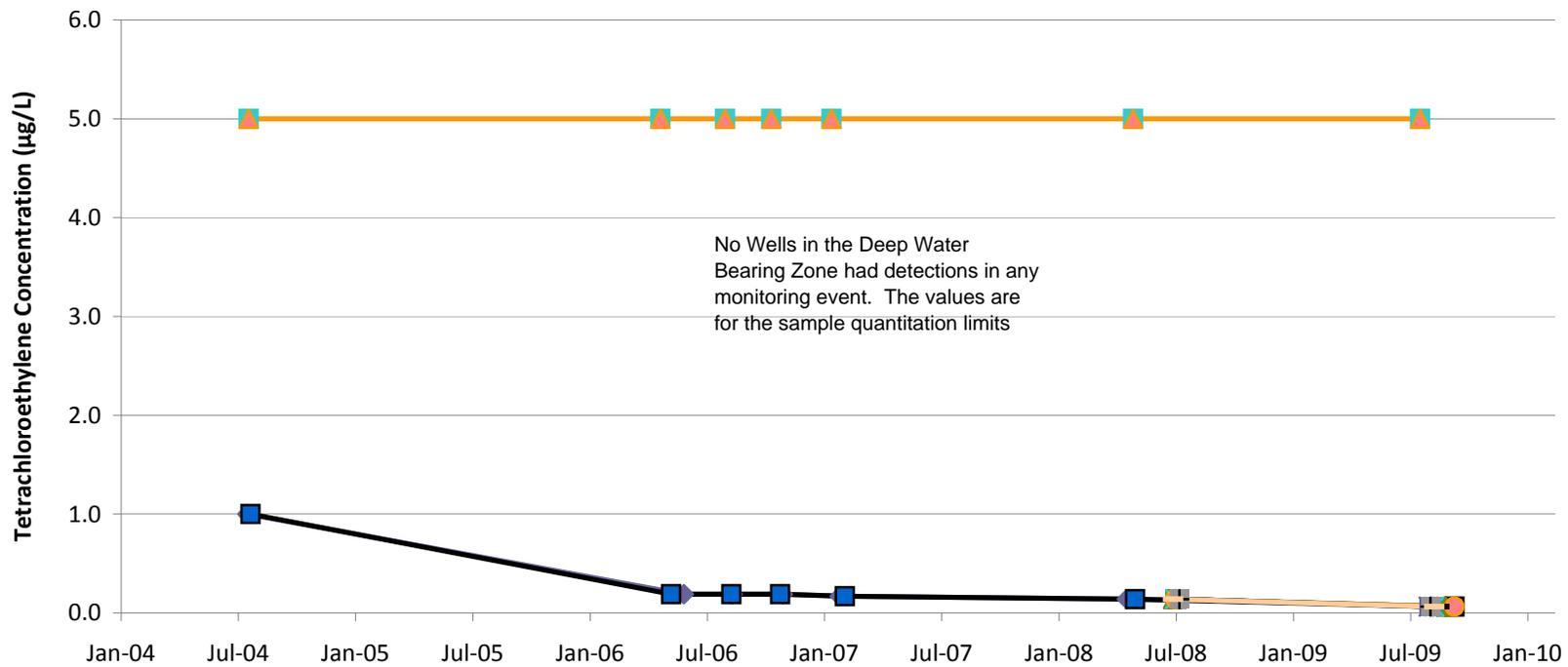


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

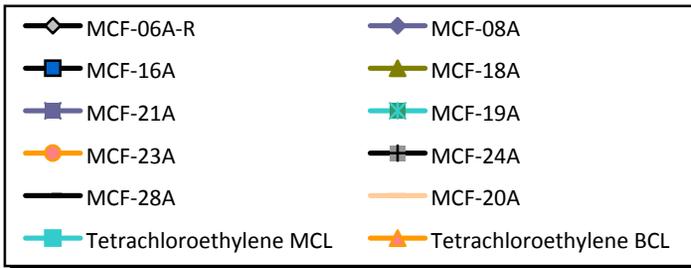
2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**TETRACHLOROETHYLENE
CONCENTRATION TREND GRAPH
MIDDLE WATER BEARING ZONE**





July 2004 through August 2009

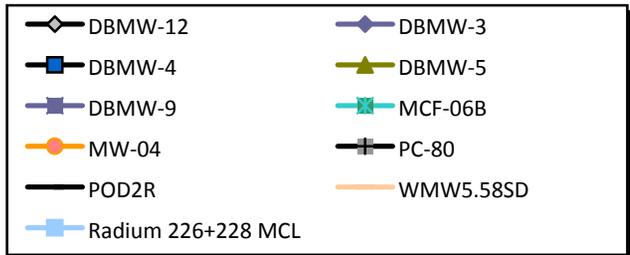
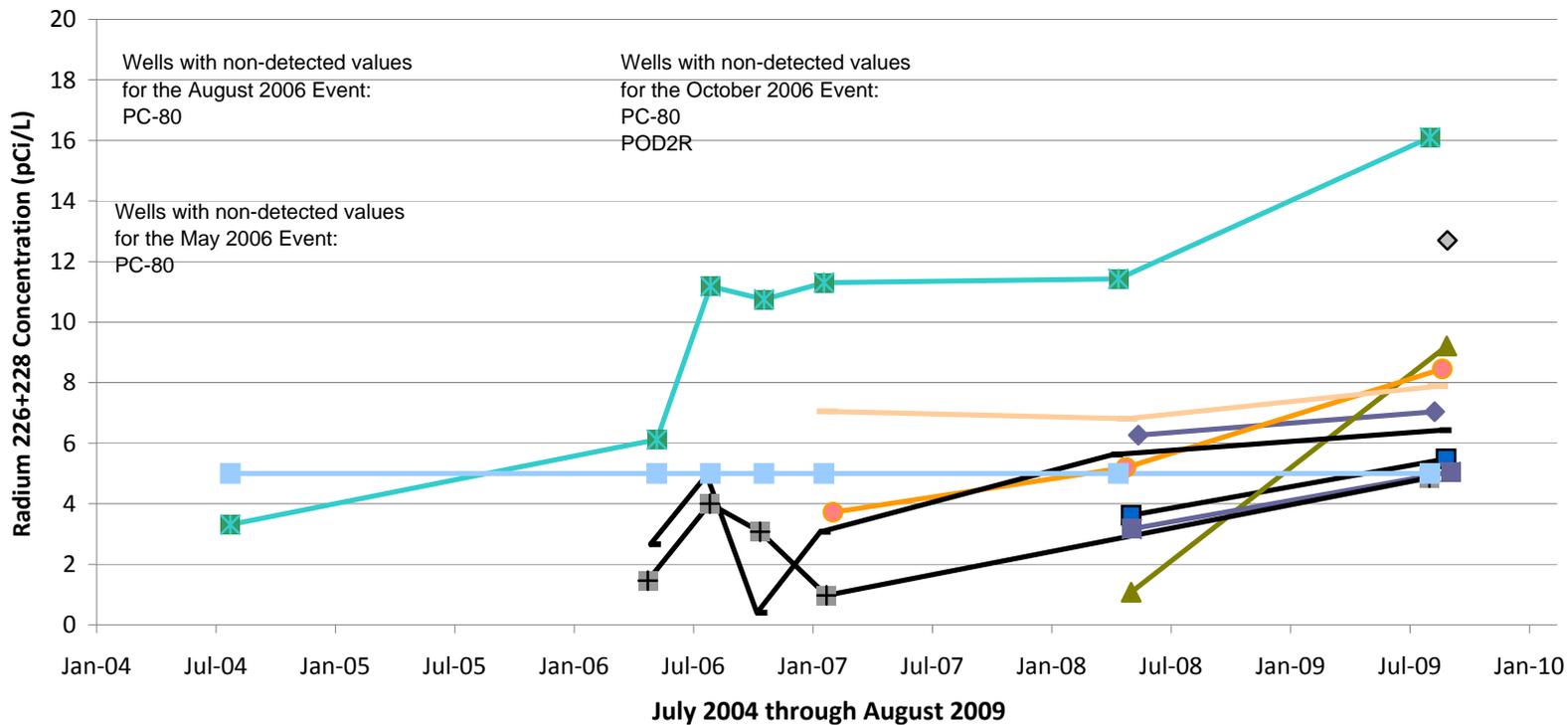


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**TETRACHLOROETHYLENE
CONCENTRATION TREND GRAPH
DEEP WATER BEARING ZONE**



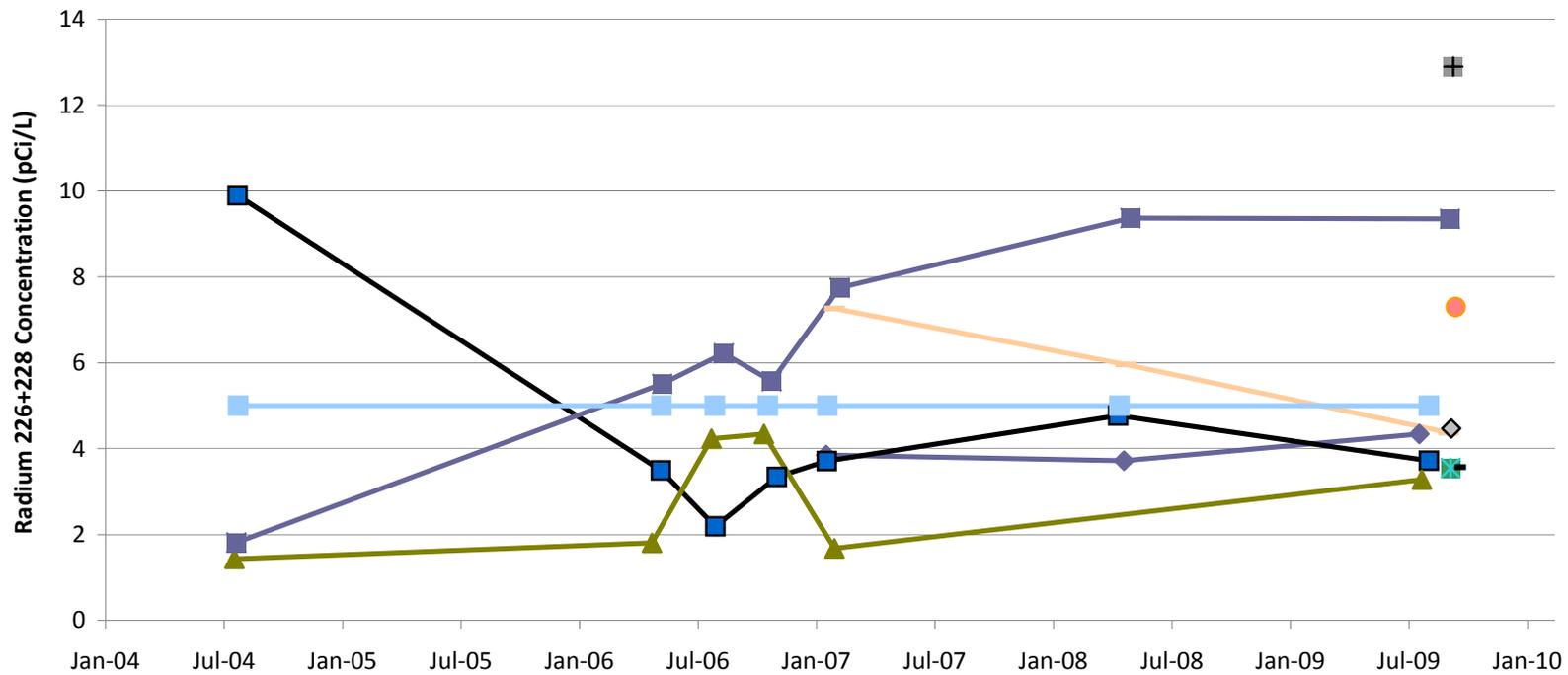


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

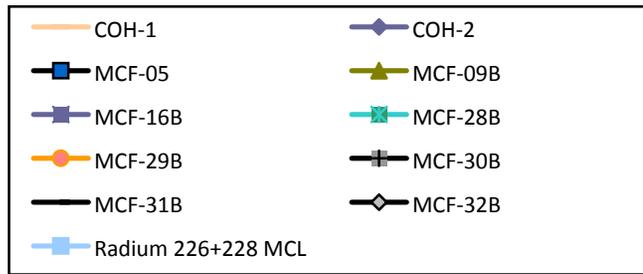
2009 Event Report
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BMI Common Areas (Eastside)
Clark County, Nevada

**RADIUM 226+228
CONCENTRATION TREND GRAPH
SHALLOW WATER BEARING ZONE**





July 2004 through August 2009

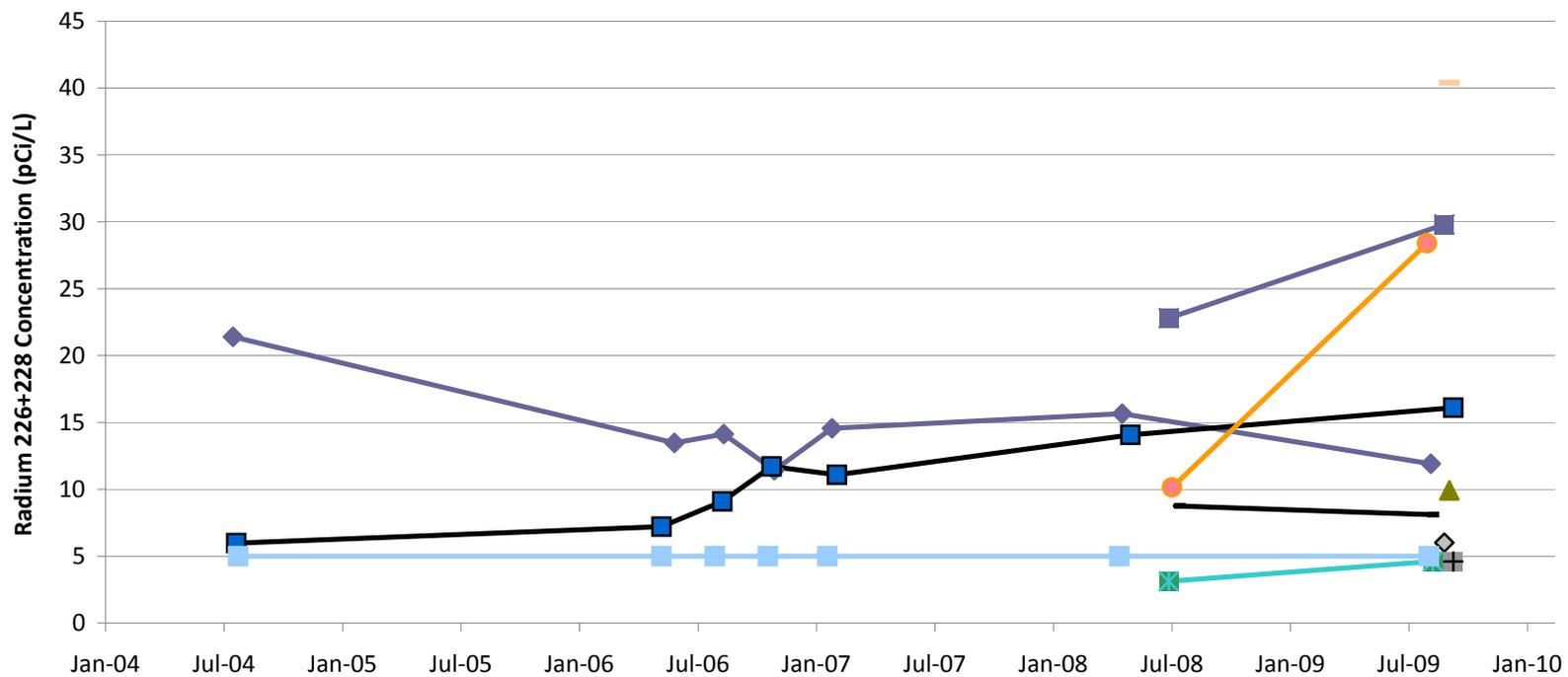


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

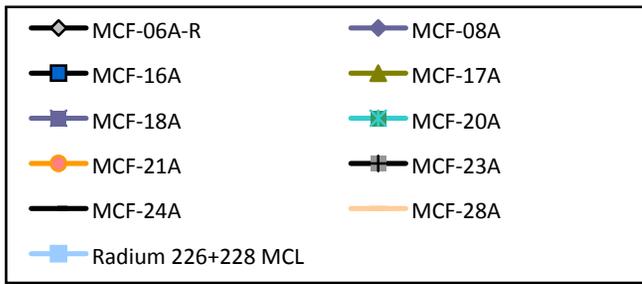
2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**RADIUM 226+228
CONCENTRATION TREND GRAPH
MIDDLE WATER BEARING ZONE**





July 2004 through August 2009

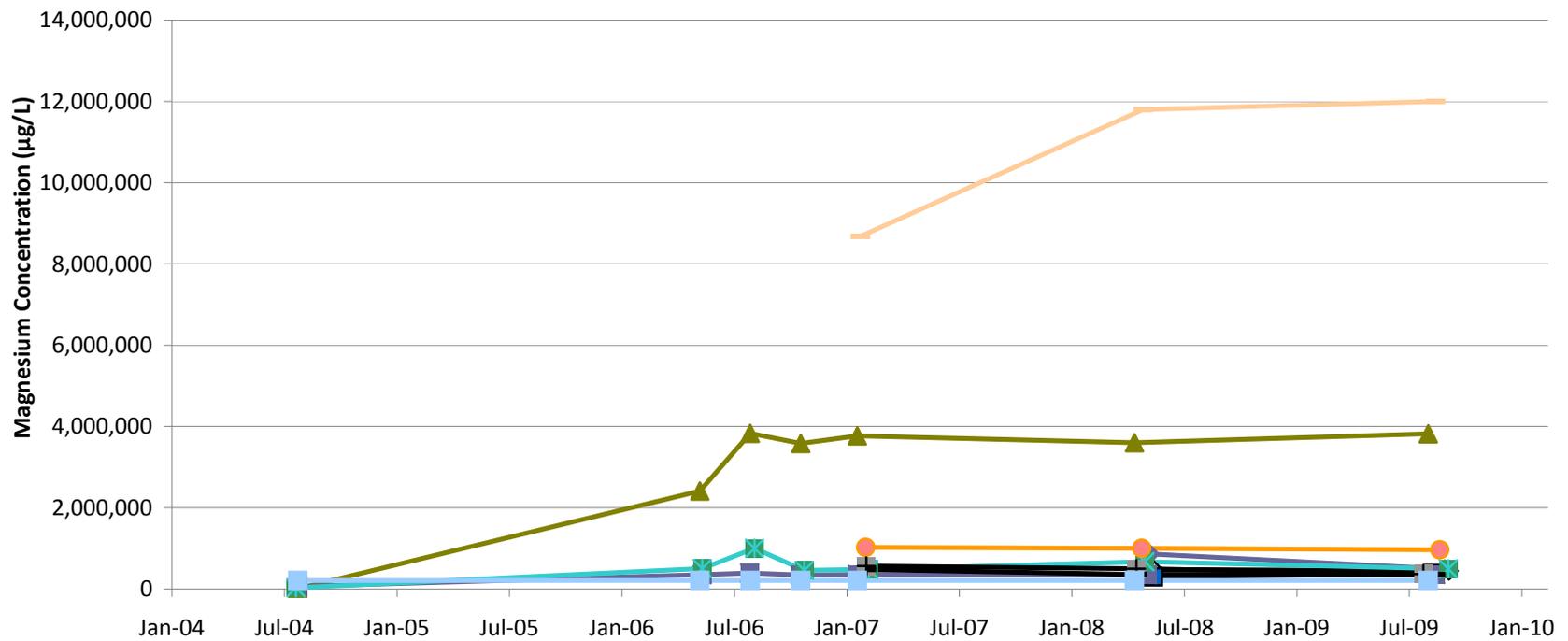


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

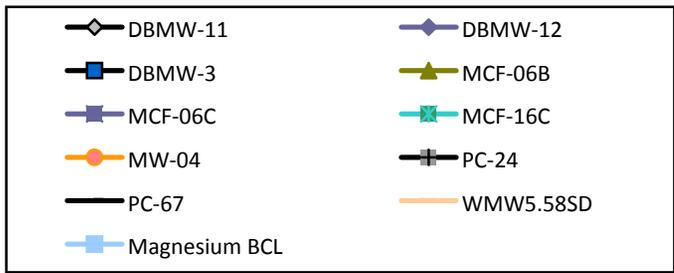
2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**RADIUM 226+228
CONCENTRATION TREND GRAPH
DEEP WATER BEARING ZONE**





July 2004 through August 2009

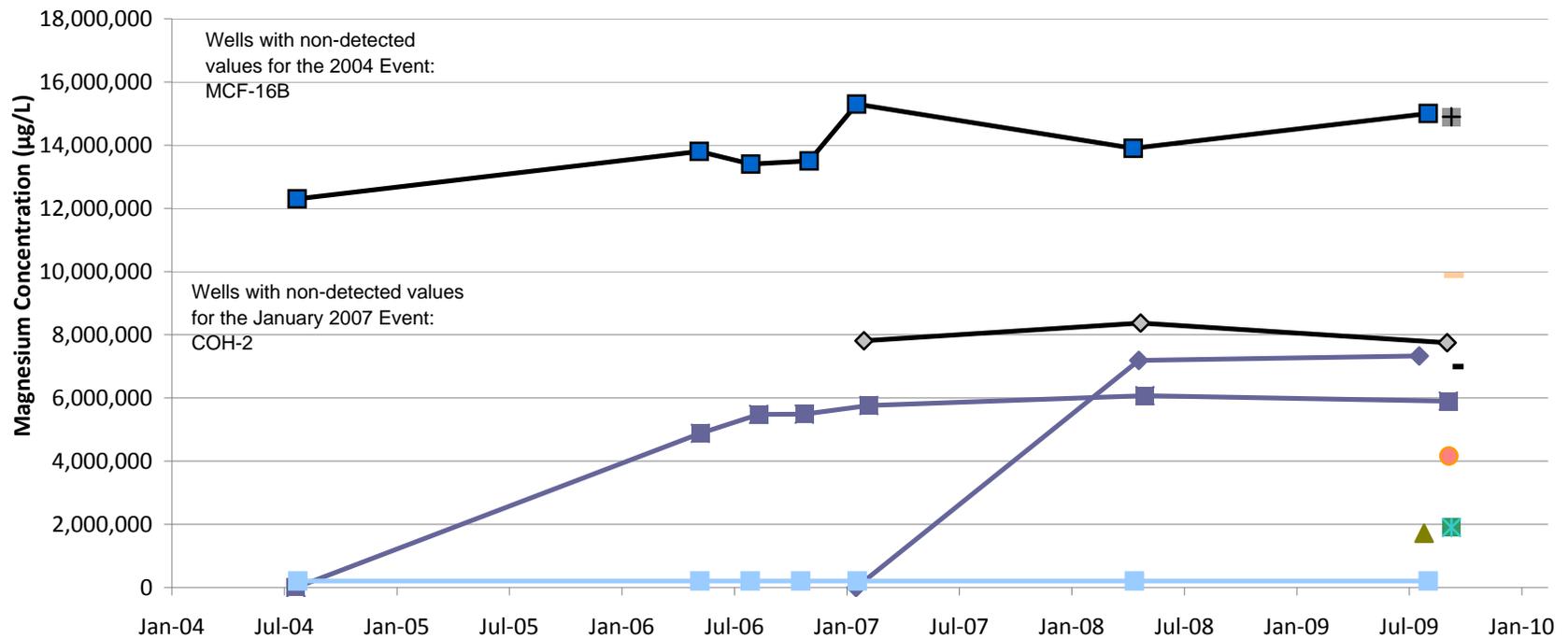


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

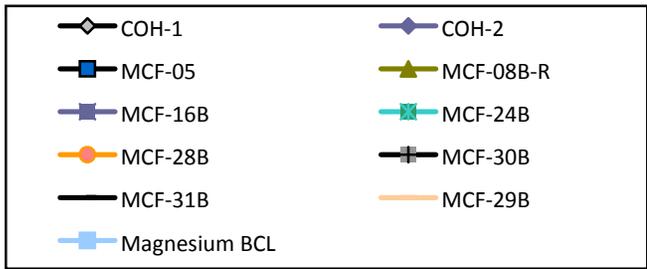
2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**MAGNESIUM
CONCENTRATION TREND GRAPH
SHALLOW WATER BEARING ZONE**





July 2004 through August 2009

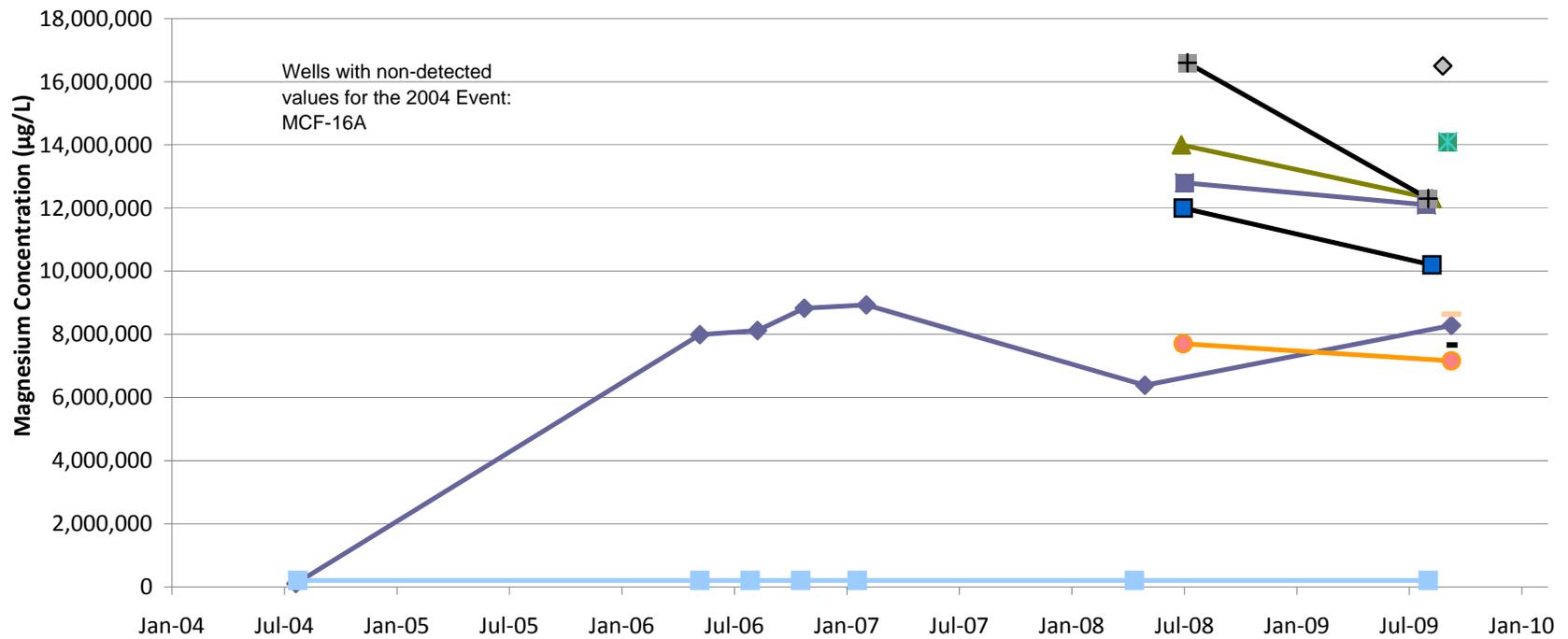


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

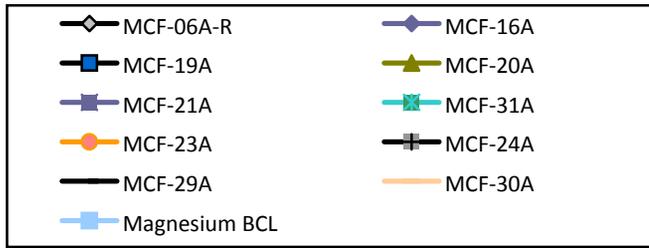
2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**MAGNESIUM
CONCENTRATION TREND GRAPH
MIDDLE WATER BEARING ZONE**





July 2004 through August 2009

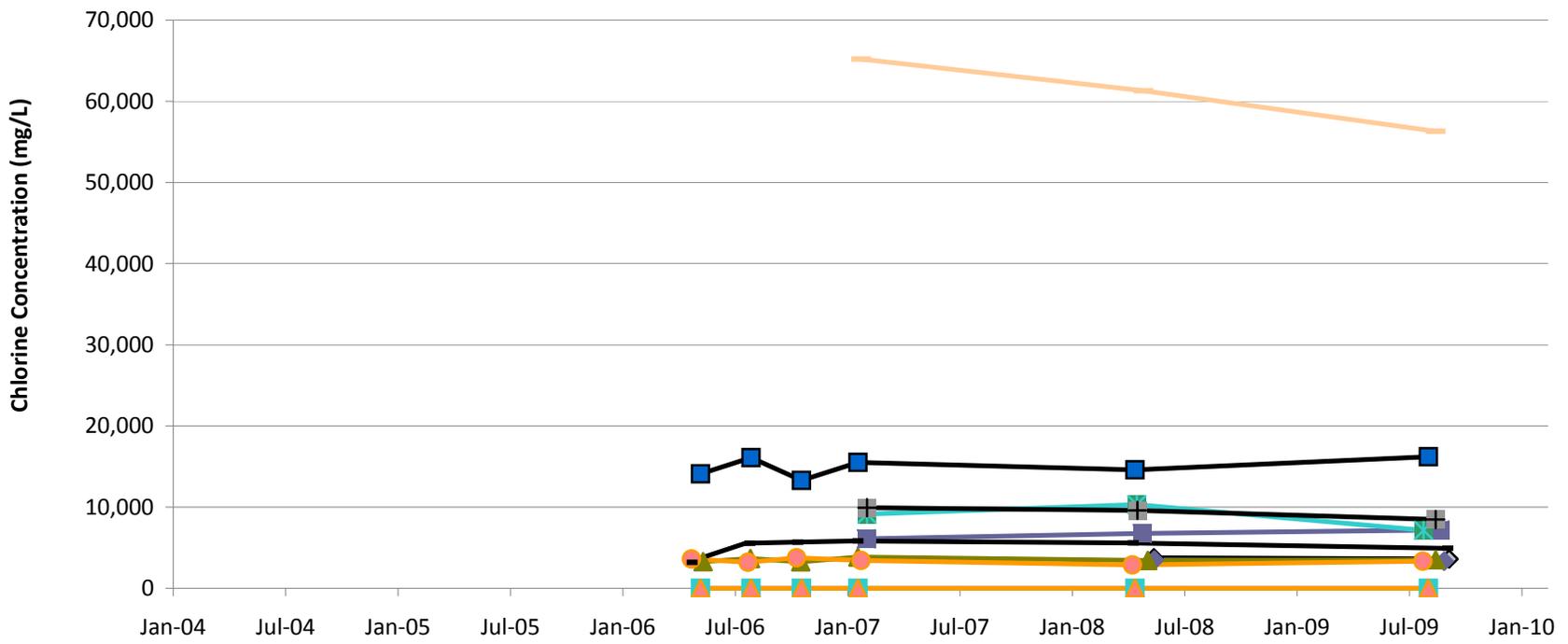


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

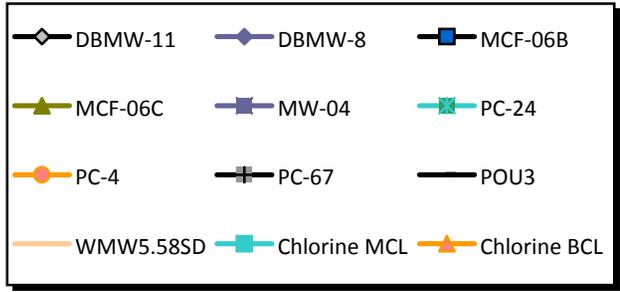
2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**MAGNESIUM
CONCENTRATION TREND GRAPH
MIDDLE WATER BEARING ZONE**





July 2004 through August 2009

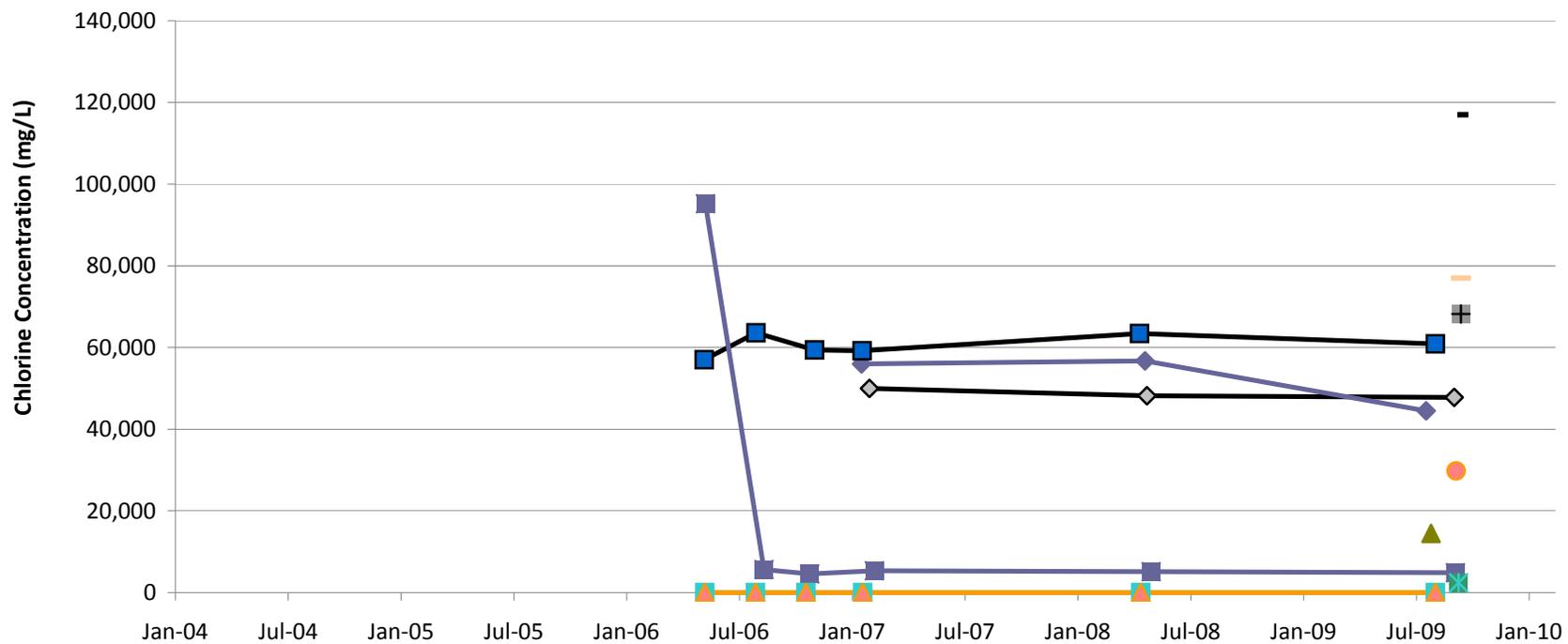


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

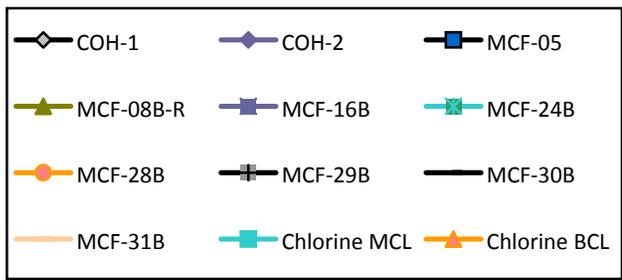
2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**CHLORINE
CONCENTRATION TREND GRAPH
SHALLOW WATER BEARING ZONE**





July 2004 through August 2009

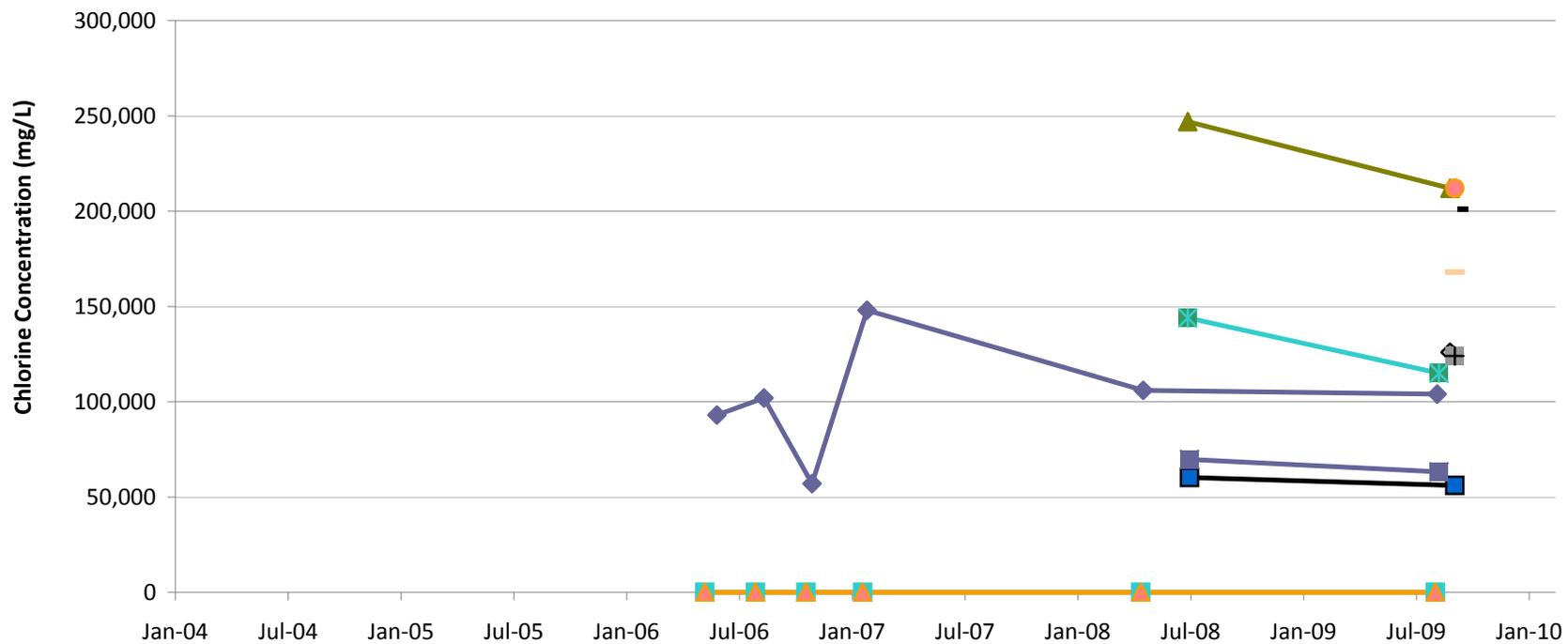


Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

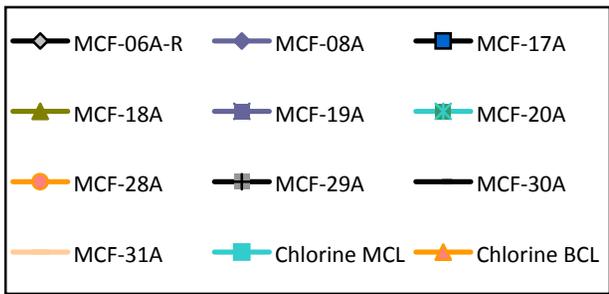
2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**CHLORINE
CONCENTRATION TREND GRAPH
MIDDLE WATER BEARING ZONE**





July 2004 through August 2009



Note:
The graph depicts the ten wells with the highest analyte concentrations from the current groundwater event.

2009 Event Report
(April 2006 - August 2009)
BMI Common Areas (Eastside)
Clark County, Nevada

**CHLORINE
CONCENTRATION TREND GRAPH
DEEP WATER BEARING ZONE**



Appendix F

Cation-Anion Balance 2009 Monitoring Event

**Summary of Cation-Anion Balance and Related Calculations
2009 Groundwater Sampling Event - BMI Common Areas - Eastside**

Well	Zone	pH	Major Ion Chemistry Data Input											TDS and EC Input		meq/l Calculations											
			Ca	Mg	Na	K	HCO ₃	CO ₃	SO ₄	Cl	F	NO ₃	ClO ₄	TDS Measured	EC Measured	Ca	Mg	Na	K	HCO ₃	CO ₃	SO ₄	Cl	F	NO ₃	ClO ₄	
			(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/L)	(umhos/cm)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)
AA-01	Shallow Upgradient	6.9	471	142	364	7.21	93.0	1640	719	1.2	10.9	1.9	D	3800	4560	23.5	11.7	15.8	0.184	1.52	0.00	34.1	20.3	0.063	0.176	0.019	
AA-07	Shallow	7.0	266	87.8	224	42.1	84.0	956	261	0.68	10.6	0.4	D	2500	2800	13.3	7.22	9.74	1.08	1.38	0.00	19.9	7.35	0.036	0.171	4.0E-03	
AA-08	Shallow	7.2	454	208	657	32.9	163	1820	975	1.3	6.20	3.3	BD	3500	5840	22.7	17.1	28.6	0.841	2.67	0.00	37.9	27.5	0.068	0.100	0.033	
AA-09	Shallow	7.5	538	294	923	30.5	69.0	2870	1090	0.54	14.4	6	D	6600	7390	26.8	24.2	40.1	0.780	1.13	0.00	59.8	30.7	0.028	0.233	0.060	
AA-10	Shallow	7.2	404	200	633	36.2	148	1800	1030	1	7.40	4.3	D	4110	5890	20.2	16.4	27.5	0.926	2.43	0.00	37.5	29.0	0.053	0.120	0.043	
AA-13	Shallow	7.1	260	114	439	23.2	199	1590	371	0.76	49.6	0.097	BD	1800	3630	13.0	9.38	19.1	0.593	3.26	0.00	33.1	10.5	0.040	0.801	9.7E-04	
AA-18	Shallow	7.5	110	57.2	156	16.8	95.0	401	208	0.68	10.8	0.11	D	350	1720	5.49	4.70	6.79	0.430	1.56	0.00	8.35	5.86	0.036	0.174	1.1E-03	
AA-20	Shallow	6.9	556	235	898	44.2	78.0	2540	1100	0.22	14.7	5.3	D	6400	7640	27.7	19.3	39.1	1.13	1.28	0.00	52.9	31.0	0.012	0.237	0.053	
AA-21	Shallow	7.2	512	299	720	83.3	189	2800	994	1.6	7.40	0.052	BD	5600	7100	25.5	24.6	31.3	2.13	3.10	0.00	58.3	28.0	0.084	0.120	5.2E-04	
AA-22	Shallow	7.3	692	133	353	46	68.8	1900	677	0.21	16.6	1.7	D	3600	4800	34.5	10.9	15.4	1.18	1.13	0.00	39.6	19.1	0.011	0.268	0.017	
AA-23R	Shallow	7.4	635	159	408	62.7	90.4	1880	928	0.48	26.6	1.9	BD	2400	6010	31.7	13.1	17.7	1.60	1.48	0.00	39.1	26.1	0.025	0.430	0.019	
AA-26	Shallow	7.5	252	90.9	356	44.1	70.0	1100	355	0.79	12.1	0.049	BD	600	3420	12.6	7.48	15.5	1.13	1.15	0.00	22.9	10.0	0.042	0.195	4.9E-04	
AA-27	Shallow Upgradient	7.6	513	192	535	8.58	126	2320	422	2	12.5	0.23	D	3300	4980	25.6	15.8	23.3	0.219	2.06	0.00	48.3	11.9	0.11	0.202	2.3E-03	
AA-30	Shallow	7.1	643	347	721	180	115	2630	1620	0.11	35.6	2.5	BD	5000	8610	32.1	28.5	31.4	4.60	1.88	0.00	54.8	45.6	5.8E-03	0.575	0.025	
AA-UW-1	Shallow Upgradient	5.8	541	219	353	8.55	90.0	2150	415	1.2	5.00	0.63	D	3100	4680	27.0	18.0	15.4	0.219	1.47	0.00	44.8	11.7	0.063	0.0808	6.3E-03	
AA-UW-2	Shallow Upgradient	7.3	378	191	461	7.88	120	1970	512	0.9	10.2	0.099	D	4200	4740	18.9	15.7	20.1	0.202	1.97	0.00	41.0	14.4	0.047	0.165	9.9E-04	
AA-UW-3	Shallow Upgradient	7.7	338	221	979	16.1	81.0	3280	267	1	8.90	0.065	D	3500	9870	16.9	18.2	42.6	0.412	1.33	0.00	68.3	7.52	0.053	0.144	6.5E-04	
AA-UW-4	Shallow Upgradient	7.6	401	194	919	16.0	78.0	2920	304	0.81	12.6	0.077	D	4300	5700	20.0	16.0	40.0	0.409	1.28	0.00	60.8	8.56	0.043	0.204	7.7E-04	
AA-UW-4(FD)	Shallow Upgradient	7.6	397	190	914	16.1	81.0	2930	306	0.82	12.7	0.075	D	3700	5710	19.8	15.6	39.8	0.412	1.33	0.00	61.0	8.62	0.043	0.205	7.5E-04	
AA-UW-5	Shallow Upgradient	7.6	90.2	45.4	119	9.03	116	222	160	0.66	13.3	0.051	D	700	1400	4.50	3.73	5.18	0.231	1.90	0.00	4.62	4.51	0.035	0.215	5.1E-04	
AA-UW-5(FD)	Shallow Upgradient	7.5	91.8	46.9	122	9.08	116	227	166	0.66	12.9	0.056	D	600	1390	4.58	3.86	5.31	0.232	1.90	0.00	4.73	4.68	0.035	0.208	5.6E-04	
AA-UW-6	Shallow Upgradient	7.6	384	151	342	62.4	66.0	2240	201	0.57	8.80	0.05	D	3700	4280	19.2	12.4	14.9	1.60	1.08	0.00	46.6	5.66	0.030	0.142	5.0E-04	
BEC-6	Shallow	7.0	575	256	720	48.4	58.0	2400	1570	0.62	29.5	15	D	7300	5980	28.7	21.1	31.3	1.24	0.951	0.00	50.0	44.2	0.0	0.476	0.15	
BEC-9	Shallow	7.1	716	283	514	49.2	134	1920	1290	0.62	40.4	0.27	D	5300	6650	35.7	23.3	22.4	1.26	2.20	0.00	40.0	36.3	0.033	0.653	2.7E-03	
COH-1	Middle	8.2	490	8190	18700	6380	100	44600	24800	U	U	U	U	117000	155000	24.5	674	813	163	1.64	0.00	929	699	0.0	0.00	0.0	
COH-2	Middle	7.5	560	7400	17000	4830	95.0	35400	24600	J	U	U	U	89900	85000	27.9	609	739	124	1.56	0.00	737	693	0.0	0.00	0.0	
COH-2A	Shallow	7.3	332	207	1130	45.9	350	1980	1410	0.76	1.10	5.4	D	3300	7510	16.6	17.0	49.2	1.17	5.74	0.00	41.2	39.7	0.040	0.0178	0.054	
DBMW-1	Shallow	7.1	587	269	759	59.5	63.0	2930	1090	0.61	9.50	6.7	D	8600	7490	29.3	22.1	33.0	1.52	1.03	0.00	61.0	30.7	0.032	0.153	0.067	
DBMW-10	Shallow	5.3	223	88.7	273	63.6	89.6	985	338	0.59	9.80	0.5	D	3300	2800	11.1	7.29	11.9	1.63	1.47	0.00	20.5	9.52	0.031	0.158	5.0E-03	
DBMW-11	Shallow	7.4	699	519	839	279	64.4	3040	1870	U	19.8	14	BD	5400	10400	34.9	42.7	36.5	7.14	1.06	0.00	63.3	52.7	0.0	0.320	0.14	
DBMW-12	Shallow	6.1	573	581	668	315	67.6	3350	1320	0.36	18.1	12	D	6600	8070	28.6	47.8	29.1	8.06	1.11	0.00	69.7	37.2	0.019	0.292	0.12	
DBMW-12(FD)	Shallow	6.2	562	504	578	264	67.6	3240	1270	0.34	17.3	12	D	5800	8080	28.0	41.4	25.1	6.75	1.11	0.00	67.5	35.8	0.018	0.279	0.12	
DBMW-13	Shallow	5.4	596	260	696	144	48.0	2700	901	J	16.9	9.7	D	7400	6660	29.7	21.4	30.3	3.68	0.787	0.00	56.2	25.4	0.0	0.273	0.097	
DBMW-14	Shallow	5.5	626	228	644	142	58.0	2490	912	J	16.6	14	D	7100	6540	31.2	18.8	28.0	3.63	0.951	0.00	51.8	25.7	2.1E-03	0.268	0.14	
DBMW-15	Shallow	7.5	559	204	501	108	53.6	2550	375	0.3	8.40	1.3	BD	3700	5020	27.9	16.8	21.8	2.76	0.878	0.00	53.1	10.6	0.016	0.136	0.013	
DBMW-16	Shallow	5.6	79.6	31.1	170	19.7	74.0	565	148	J	0.73	2.10	0.015	BD	1070	1020	3.97	2.56	7.39	0.504	1.21	0.00	11.8	4.17	0.038	0.0339	1.5E-04
DBMW-17	Shallow	6.4	267	65.6	261	27.3	496	1130	43.6	J	0.56	1.90	0.012	BD	700	1100	13.3	5.39	11.4	0.698	8.13	0.00	23.5	1.23	0.029	0.0307	1.2E-04
DBMW-19	Shallow	5.5	593	307	705	95.1	166	2660	1100	0.62	19.4	5.8	D	4300	7010	29.6	25.2	30.7	2.43	2.72	0.00	55.4	31.0	0.033	0.313	0.058	
DBMW-2	Shallow	7.5	548	302	981	71.1	68.2	3240	1240	0.54	7.00	7.5	D	6400	7590	27.3	24.8	42.7	1.82	1.12	0.00	67.5	34.9	0.028	0.113	0.075	
DBMW-20	Shallow	6.9	580	244	585	120	122	2120	961	0.22	17.4	3.2	BD	4100	6060	28.9	20.1	25.4	3.07	2.00	0.00	44.1	27.1	0.012	0.281	0.032	
DBMW-22	Shallow	6.9	484	171	283	148	34.0	2400	271	0.33	1.10	0.13	D	5000	4010	24.2	14.1	12.3	3.79	0.557	0.00	50.0	7.63	0.017	0.0178	1.3E-03	
DBMW-22(FD)	Shallow	6.8	478	170	286	147	33.2	2390	269	0.25	1.10	0.13	D	5100	3990	23.9	14.0	12.4	3.76	0.544	0.00	49.8	7.58	0.013	0.0178	1.3E-03	
DBMW-3	Shallow	7.6	562	367	970	104	56.4	3230	1410	0.24	15.4	7.6	D	6600	8350	28.0	30.2	42.2	2.66	0.924	0.00	67.2	39.7	0.			

**Summary of Cation-Anion Balance and Related Calculations
2009 Groundwater Sampling Event - BMI Common Areas - Eastside**

Well	Zone	pH	Major Ion Chemistry Data Input											TDS and EC Input		meq/l Calculations														
			Ca	Mg	Na	K	HCO ₃	CO ₃	SO ₄	Cl	F	NO ₃	ClO ₄	TDS Measured	EC Measured	Ca	Mg	Na	K	HCO ₃	CO ₃	SO ₄	Cl	F	NO ₃	ClO ₄				
			(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/L)	(umhos/cm)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)			
MCF-08B-R	Middle	7.2	509	1890	5790	J	837	70.0		11400	7830		U		0.00013	J	24800	31400	25.4	155	252	21.4	1.15	0.00	237	221	0.0	0.00	1.3E-06	
MCF-08B-R (FD)	Middle	7.4	507	1800	5570	J	793	76.0		10900	7660		U	0.0980	B	0.00024	J	30700	32900	25.3	148	242	20.3	1.25	0.00	227	216	0.0	1.58E-03	2.4E-06
MCF-09A	Deep	7.4	488	1880	5180		650	81.0		15900	5110		U			U	22100	27100	24.4	155	225	16.6	1.33	0.00	331	144	0.0	0.00	0.0	
MCF-09B	Middle	7.3	445	123	401		45	71.0		2150	149		U	0.0230		U	3000	3910	22.2	10.1	17.4	1.15	1.16	0.00	44.8	4.20	0.038	3.72E-04	0.0	
MCF-09B(FD)	Middle	7.3	431	118	389		42.8	70.0		2120	146		U			U	2200	3920	21.5	9.70	16.9	1.09	1.15	0.00	44.1	4.11	0.042	0.00	0.0	
MCF-10A	Deep	7.8	528	235	1320		176	36.0	J	3920	1620	J	U		0.000031	J	4200	9430	26.3	19.3	57.4	4.50	0.590	0.00	81.6	45.6	0.011	0.00	3.1E-07	
MCF-10B	Middle	7.5	253	102	237		38.9	51.0		1140	205		U	0.0930		U	2200	2700	12.6	8.39	10.3	0.995	0.836	0.00	23.7	5.77	0.021	1.50E-03	3.2E-06	
MCF-11	Middle	7.4	425	129	459		63.5	100		1960	348		U		0.1	U	2700	4190	21.2	10.6	20.0	1.62	1.64	0.00	40.8	9.80	0.063	0.00	1.0E-03	
MCF-12A	Deep	7.4	518	204	1040		398	77.0		3440	931		U		0.000049	J	7300	7820	25.8	16.8	45.2	10.2	1.26	0.00	71.6	26.2	0.017	0.00	4.9E-07	
MCF-12B	Shallow	7.4	302	136	326	J	82	58.0		1560	317		U	6.60		D	2900	3640	15.1	11.2	14.2	2.10	0.951	0.00	32.5	8.93	0.027	0.107	0.040	
MCF-12C	Middle	7.2	209	82.5	207	J	73.9	72.0		1230	115		U	1.50		D	1000	2520	10.4	6.78	9.00	1.89	1.18	0.00	25.6	3.24	0.025	0.0242	4.3E-03	
MCF-16A	Deep	7.5	514	8640	4310		16500	122		53300	3440		UJ			UJ	78800	63500	25.6	711	187	422	2.00	0.00	1.11E+03	96.9	0.0	0.00	0.0	
MCF-16B	Middle	7.8	543	6020	3360		16300	146	J	42800	2450		U		0.0055	J B D	64300	55700	27.1	495	146	417	2.39	0.00	891	69.0	0.0	0.00	5.5E-05	
MCF-16C	Shallow	7.4	601	600	602		308	83.6	J	6290	1050		U	0.43	B	16.6	U	11500	11200	30.0	49.3	26.2	7.88	1.37	0.00	131	29.6	0.023	0.268	0.087
MCF-17A	Deep	7.1	666	2930	18200		2020	43.6		14400	28200		U			U	76000	78200	33.2	241	792	51.7	0.715	0.00	300	794	0.0	0.00	0.0	
MCF-18A	Deep	6.4	2670	2680	58900	J	7090	28.0	J	3590	114000		U			J D	163000	196000	133	220	2.56E+03	181	0.459	0.00	74.7	3.21E+03	0.0	0.00	6.1E-05	
MCF-18A (FD)	Deep	6.1	2660	2760	60000	J	7310	27.6	J	3500	112000		U		0.0092	J D	173000	195000	133	227	2.61E+03	187	0.452	0.00	72.9	3.15E+03	0.0	0.00	9.2E-05	
MCF-19A	Deep	7.6	417	9270	20600	J	4920	116	J	56400	31900		U			U	115000	100000	20.8	762	896	126	1.90	0.00	1.17E+03	899	0.0	0.00	0.0	
MCF-19A FD	Deep	7.6	467	10300	23600	J	5410	116	J	58200	33000		U			U	119000	101000	23.3	847	1.03E+03	138	1.90	0.00	1.21E+03	930	0.0	0.00	0.0	
MCF-20A	Deep	6.8	392	12200	29500	J	9470	90.0	J	70100	61300		U			U	174000	3840	19.6	1.00E+03	1.28E+03	242	1.47	0.00	1.46E+03	1.73E+03	0.0	0.00	0.0	
MCF-21A	Deep	7.2	574	12700	14900		12900	135		68600	16300		U			U	119000	86900	28.6	1.04E+03	648	330	2.21	0.00	1.43E+03	459	0.0	0.00	0.0	
MCF-22A	Deep	6.8	521	109	268	J	119	79.2	J	2450	134		U	0.68		U	4400	3800	26.0	8.96	11.7	3.04	1.30	0.00	51.0	3.77	0.036	0.00	0.0	
MCF-23A	Deep	6.0	512	7400	14700	J	3620	82.4	J	37700	15800		U			U	77300	68500	25.5	609	639	92.6	1.35	0.00	785	445	0.0	0.00	0.0	
MCF-24A	Deep	6.2	512	12200	7950		15300	141		75100	10600		U			U	5300	77400	25.5	1.00E+03	346	391	2.31	0.00	1.56E+03	299	0.0	0.00	0.0	
MCF-24B	Middle	6.3	324	2520	1470	J	4750	134	J	17400	1460		U	0.590		J D	27500	25500	16.2	207	63.9	121	2.20	0.00	362	41.1	0.0	9.53E-03	4.5E-05	
MCF-25A	Deep	6.3	470	157	1060		162	75.0		3660	601		U			U	148000	9220	23.5	12.9	46.1	4.14	1.23	0.00	76.2	16.9	0.013	0.00	0.0	
MCF-27	Deep	7.8	69.2	21.7	235		13.3	68.0	J	477	89.8		U	0.75		0.950	U	600	1530	3.45	1.78	10.2	0.340	1.11	0.00	9.93	2.53	0.039	0.0153	7.9E-06
MCF-28A	Deep	8.6	1590	3850	40600		6740	64.0		6880	105000		UJ			UJ	0.017	188000	191000	79.3	317	1.77E+03	172	1.05	1.09	143	2.96E+03	0.0	0.00	1.7E-04
MCF-28B	Middle	7.4	565	3850	9880		2190	80.4	J	22900	14800		U			U	45300	54900	28.2	317	430	56.0	1.32	0.00	477	417	0.0	0.00	0.0	
MCF-29A	Deep	7.9	542	7850	34100		9800	83.2		39200	61600		U			U	161000	139000	27.0	646	1.48E+03	251	1.36	0.00	816	1.74E+03	0.0	0.00	0.0	
MCF-29B	Middle	7.5	538	9910	24800	J	11500	116	J	53200	35100		U			U	119000	107000	26.8	815	1.08E+03	294	1.90	0.00	1.11E+03	989	0.0	0.00	0.0	
MCF-30A	Deep	8.6	571	8700	41200	J	8690	147	J	27400	99600		U			U	175000	180000	28.5	715	1.79E+03	222	2.41	3.40	570	2.81E+03	0.0	0.00	0.0	
MCF-30B	Middle	8.8	470	11700	31100	J	9990	186	J	66700	58700		U			U	168000	137000	23.5	962	1.35E+03	255	3.05	4.00	1.39E+03	1.65E+03	0.0	0.00	0.0	
MCF-31A	Deep	7.0	442	14000	43500		7770	119		55200	85700		U	1.0	0.500		U	185000	158000	22.1	1.15E+03	1.89E+03	199	1.95	0.00	1.15E+03	2.41E+03	0.053	8.08E-03	5.7E-05
MCF-31B	Middle	7.4	615	7160	24300	J	4230	126	J	31100	38400		U			U	89700	98400	30.7	589	1.06E+03	108	2.06	0.00	648	1.08E+03	0.0	0.00	0.0	
MCF-32B	Middle	6.0	518	164	494		142	62.8	J	3190	342	J	0.23	9.20E-03	B	0.019	B D	2900	3210	25.8	13.5	21.5	3.63	1.03	0.00	66.4	9.63	0.012	1.49E-04	1.9E-04
MW-13	Shallow	7.0	526	207	531	J	117	128	J	2070	908	J	0.51	21.0		D	3700	5840	26.2	17.0	23.1	2.99	2.10	0.00	43.1	25.6	0.027	0.339	0.021	
MW-15	Shallow	7.3	409	184	710	J	74.3	151	J	2450	472	J	2.5	0.0260		0.000084	J	4300	5170	20.4	15.1	30.9	1.90	2.47	0.00	51.0	13.3	0.13	4.20E-04	8.4E-07
MW-3	Shallow	7.4	443	202	769	J	76.3	89.0	J	1990	1200		U		0.1	B D	3100	6840	22.1	16.6	33.4	1.95	1.46	0.00	41.4	33.8	0.058	0.00	1.0E-03	
MW-4	Shallow	7.4	518	974	2140		808	69.0	J	6880	4910		B	13.8		D	14400	17200	25.8	80.1	93.1	20.7	1.13	0.00	143	138	0.019	0.223	0.094	
PC-108	Shallow	6.2	263	95.6	641		19.7	420	J	780	827		U	0.00064			U	1700	4430	13.1	7.86	27.9	0.504	6.88	0.00	16.2				

Well	Cation-Anion Balance Tests				TDS Checks			Lab TDS and EC		Qualifier
	Sum Cations (meq/l)	Sum Anions (meq/l)	(Cat-An)/ (Cat+An) (%)	Acceptable Variance <5% (3)	TDS Sum (mg/l)	Lab/Sum Ratio -	Acceptable Ratio 1.0 - 1.2	Lab TDS / EC Ratio -	Acceptable Range 0.55 - 0.70	
AA-01	51	56	4.6	PASS	3413	1.1	PASS	0.83	FAIL	J-TDS
AA-07	31	29	4.1	PASS	1899	1.3	FAIL	0.89	FAIL	J-TDS
AA-08	69	68	0.7	PASS	4256	0.82	FAIL	0.60	PASS	J-TDS
AA-09	92	92	0.0	PASS	5808	1.1	PASS	0.89	FAIL	J-TDS
AA-10	65	69	3.0	PASS	4205	0.98	FAIL	0.70	PASS	J-TDS
AA-13	42	48	6.3	FAIL	2967	0.61	FAIL	0.50	FAIL	R-CAB&TDS
AA-18	17	16	4.3	PASS	1018	0.34	FAIL	0.20	FAIL	J-TDS
AA-20	87	85	1.0	PASS	5440	1.2	PASS	0.84	FAIL	J-TDS
AA-21	84	90	3.5	PASS	5531	1.0	PASS	0.79	FAIL	J-TDS
AA-22	62	60	1.6	PASS	3861	0.93	FAIL	0.75	FAIL	J-TDS
AA-23R	64	67	2.4	PASS	4156	0.58	FAIL	0.40	FAIL	J-TDS
AA-26	37	34	3.3	PASS	2253	0.27	FAIL	0.18	FAIL	J-TDS
AA-27	65	63	1.8	PASS	4081	0.81	FAIL	0.66	PASS	J-TDS
AA-30	97	103	3.2	PASS	6248	0.80	FAIL	0.58	PASS	J-TDS
AA-UW-1	61	58	2.1	PASS	3747	0.83	FAIL	0.66	PASS	J-TDS
AA-UW-2	55	58	2.5	PASS	3603	1.2	PASS	0.89	FAIL	J-TDS
AA-UW-3	78	77	0.5	PASS	5160	0.68	FAIL	0.35	FAIL	J-TDS
AA-UW-4	76	71	3.7	PASS	4814	0.89	FAIL	0.75	FAIL	J-TDS
AA-UW-4(FD)	76	71	3.0	PASS	4815	0.77	FAIL	0.65	PASS	J-TDS
AA-UW-5	14	11	9.5	FAIL	729	0.96	FAIL	0.50	FAIL	R-CAB&TDS
AA-UW-5(FD)	14	12	9.5	FAIL	746	0.80	FAIL	0.43	FAIL	R-CAB&TDS
AA-UW-6	48	54	5.4	FAIL	3429	1.1	PASS	0.86	FAIL	R-CAB&TDS
BEC-6	82	96	7.6	FAIL	5649	1.3	FAIL	1.2	FAIL	R-CAB&TDS
BEC-9	83	79	2.1	PASS	4894	1.1	PASS	0.80	FAIL	J-TDS
COH-1	1675	1629	1.4	PASS	103220	1.1	PASS	0.75	FAIL	J-TDS
COH-2	1499	1432	2.3	PASS	89847	1.0	PASS	1.1	FAIL	J-TDS
COH-2A	84	87	1.7	PASS	5322	0.62	FAIL	0.44	FAIL	J-TDS
DBMW-1	86	93	3.9	PASS	5749	1.5	FAIL	1.1	FAIL	J-TDS
DBMW-10	32	32	0.4	PASS	2036	1.6	FAIL	1.2	FAIL	J-TDS
DBMW-11	121	117	1.6	PASS	7318	0.74	FAIL	0.52	FAIL	J-TDS
DBMW-12	113	108	2.3	PASS	6878	0.96	FAIL	0.82	FAIL	J-TDS
DBMW-12(FD)	101	105	1.6	PASS	6488	0.89	FAIL	0.72	FAIL	J-TDS
DBMW-13	85	83	1.4	PASS	5352	1.4	FAIL	1.1	FAIL	J-TDS
DBMW-14	82	79	1.7	PASS	5107	1.4	FAIL	1.1	FAIL	J-TDS
DBMW-15	69	65	3.4	PASS	4339	0.85	FAIL	0.74	FAIL	J-TDS
DBMW-16	14	17	8.8	FAIL	1061	1.0	PASS	1.0	FAIL	R-CAB&TDS
DBMW-17	31	33	3.4	PASS	2095	0.33	FAIL	0.64	PASS	J-TDS
DBMW-19	88	89	0.9	PASS	5586	0.77	FAIL	0.61	PASS	J-TDS
DBMW-2	97	104	3.5	PASS	6438	0.99	FAIL	0.84	FAIL	J-TDS
DBMW-20	78	74	2.6	PASS	4704	0.87	FAIL	0.68	PASS	J-TDS
DBMW-22	54	58	3.5	PASS	3779	1.3	FAIL	1.2	FAIL	J-TDS
DBMW-22(FD)	54	58	3.5	PASS	3761	1.4	FAIL	1.3	FAIL	J-TDS
DBMW-3	103	108	2.4	PASS	6700	0.99	FAIL	0.79	FAIL	J-TDS
DBMW-4	83	83	0.2	PASS	5282	0.83	FAIL	0.67	PASS	J-TDS
DBMW-5	77	77	0.2	PASS	4834	1.4	FAIL	1.1	FAIL	J-TDS
DBMW-7	85	92	3.9	PASS	5561	1.2	FAIL	0.92	FAIL	J-TDS
DBMW-7 (FD)	90	94	1.8	PASS	5725	1.4	FAIL	1.1	FAIL	J-TDS
DBMW-8	97	96	0.8	PASS	5864	1.4	FAIL	1.0	FAIL	J-TDS
DBMW-9	54	55	0.4	PASS	3542	1.9	FAIL	1.5	FAIL	J-TDS
DM-1	67	63	3.6	PASS	4162	0.58	FAIL	0.48	FAIL	J-TDS
HMW-08	79	67	8.0	FAIL	4473	1.3	FAIL	1.1	FAIL	R-CAB&TDS
HMW-09	92	95	1.6	PASS	5941	1.3	FAIL	1.5	FAIL	J-TDS
HMWWT-6	21	21	0.8	PASS	1270	1.3	FAIL	0.71	FAIL	J-TDS
MCF-01A	55	57	1.3	PASS	3749	1.0	PASS	0.92	FAIL	J-TDS
MCF-01B	28	28	0.4	PASS	1816	1.1	PASS	0.73	FAIL	J-TDS
MCF-02A	9	9	3.0	FAIL	556	2.0	FAIL	1.1	FAIL	R-CAB&TDS
MCF-02B	11	10	3.4	FAIL	658	3.3	FAIL	2.0	FAIL	R-CAB&TDS
MCF-03A	11	10	4.5	FAIL	648	1.1	PASS	0.60	PASS	J-CAB
MCF-03B	38	37	2.1	PASS	2407	0.79	FAIL	0.57	PASS	J-TDS
MCF-04	69	71	1.6	PASS	4708	14	FAIL	12	FAIL	J-TDS
MCF-05	2470	2557	1.7	PASS	160446	1.1	PASS	1.7	FAIL	J-TDS
MCF-06A-R	3220	3220	0.2	PASS	197404	0.90	FAIL	1.3	FAIL	J-TDS
MCF-06B	611	636	2.0	PASS	39910	0.29	FAIL	0.29	FAIL	J-TDS
MCF-06C	98	102	2.2	PASS	6236	0.99	FAIL	0.71	FAIL	J-TDS
MCF-07	2859	2906	0.8	PASS	181916	0.91	FAIL	1.3	FAIL	J-TDS
MCF-08A	1712	1989	7.5	FAIL	112927	0.88	FAIL	0.86	FAIL	R-CAB&TDS

Well	Cation-Anion Balance Tests				TDS Checks			Lab TDS and EC		Qualifier
	Sum Cations (meq/l)	Sum Anions (meq/l)	(Cat-An)/ (Cat+An) (%)	Acceptable Variance <5% (3)	TDS Sum (mg/l)	Lab/Sum Ratio -	Acceptable Ratio 1.0 - 1.2	Lab TDS / EC Ratio -	Acceptable Range 0.55 - 0.70	
MCF-08B-R	454	459	0.5	PASS	28298	0.88	FAIL	0.79	FAIL	J-TDS
MCF-08B-R (FD)	436	444	0.9	PASS	27276	1.1	PASS	0.93	FAIL	J-TDS
MCF-09A	421	476	6.2	FAIL	29257	0.76	FAIL	0.82	FAIL	R-CAB&TDS
MCF-09B	51	50	0.7	PASS	3356	0.89	FAIL	0.77	FAIL	J-TDS
MCF-09B(FD)	49	49	0.2	PASS	3290	0.67	FAIL	0.56	PASS	J-TDS
MCF-10A	108	128	8.6	FAIL	7821	0.54	FAIL	0.45	FAIL	R-CAB&TDS
MCF-10B	32	30	3.1	PASS	2007	1.1	PASS	0.81	FAIL	J-TDS
MCF-11	53	52	1.0	PASS	3446	0.78	FAIL	0.64	PASS	J-TDS
MCF-12A	98	99	0.6	PASS	6578	1.1	PASS	0.93	FAIL	J-TDS
MCF-12B	43	43	0.0	PASS	2769	1.0	PASS	0.80	FAIL	J-TDS
MCF-12C	28	30	3.4	PASS	1963	0.51	FAIL	0.40	FAIL	J-TDS
MCF-16A	1346	1209	5.4	FAIL 1	86777	0.91	FAIL	1.2	FAIL	R-CAB&TDS
MCF-16B	1085	963	6.0	FAIL 1	71561	0.90	FAIL	1.2	FAIL	R-CAB&TDS
MCF-16C	113	162	17.7	FAIL	9527	1.2	FAIL	1.0	FAIL	R-CAB&TDS
MCF-17A	1117	1095	1.0	PASS 1	66442	1.1	PASS	0.97	FAIL	J-TDS
MCF-18A	3097	3286	3.0	PASS 1	188947	0.86	FAIL	0.83	FAIL	J-TDS
MCF-18A (FD)	3156	3228	1.1	PASS 1	188247	0.92	FAIL	0.89	FAIL	J-TDS
MCF-19A	1805	2075	7.0	FAIL 1	123577	0.93	FAIL	1.2	FAIL	R-CAB&TDS
MCF-19A FD	2035	2143	2.6	PASS 1	131047	0.91	FAIL	1.2	FAIL	J-TDS
MCF-20A	2548	3188	11.1	FAIL 1	183016	0.95	FAIL	45	FAIL	R-CAB&TDS
MCF-21A	2051	1890	4.1	PASS 1	126055	0.94	FAIL	1.4	FAIL	J-TDS
MCF-22A	50	56	6.1	FAIL	3649	1.2	FAIL	1.2	FAIL	R-CAB&TDS
MCF-23A	1366	1231	5.2	FAIL 1	79781	0.97	FAIL	1.1	FAIL	R-CAB&TDS
MCF-24A	1766	1865	2.7	PASS 1	121747	0.044	FAIL	0.068	FAIL	J-TDS
MCF-24B	409	406	0.4	PASS	28005	0.98	FAIL	1.1	FAIL	J-TDS
MCF-25A	87	94	4.3	PASS	6155	24	FAIL	16	FAIL	J-TDS
MCF-27	16	14	7.4	FAIL	949	0.63	FAIL	0.39	FAIL	R-CAB&TDS
MCF-28A	2334	3103	14.1	FAIL 1	164718	1.1	PASS	0.98	FAIL	R-CAB&TDS
MCF-28B	831	895	3.7	PASS 1	54233	0.84	FAIL	0.83	FAIL	J-TDS
MCF-29A	2406	2553	2.9	PASS 1	153142	1.1	PASS	1.2	FAIL	J-TDS
MCF-29B	2215	2098	2.7	PASS 1	135118	0.88	FAIL	1.1	FAIL	J-TDS
MCF-30A	2758	3382	10.2	FAIL 1	186310	0.94	FAIL	0.97	FAIL	R-CAB&TDS
MCF-30B	2594	3049	8.1	FAIL 1	178844	0.94	FAIL	1.2	FAIL	R-CAB&TDS
MCF-31A	3264	3565	4.4	PASS 1	206685	0.90	FAIL	1.2	FAIL	J-TDS
MCF-31B	1785	1731	1.5	PASS 1	105881	0.85	FAIL	0.91	FAIL	J-TDS
MCF-32B	64	77	8.9	FAIL	4888	0.59	FAIL	0.90	FAIL	R-CAB&TDS
MW-13	69	71	1.3	PASS	4459	0.83	FAIL	0.63	PASS	J-TDS
MW-15	68	67	1.0	PASS	4392	0.98	FAIL	0.83	FAIL	J-TDS
MW-3	74	77	1.7	PASS	4735	0.65	FAIL	0.45	FAIL	J-TDS
MW-4	220	283	12.6	FAIL	16295	0.88	FAIL	0.84	FAIL	R-CAB&TDS
PC-108	49	46	3.0	PASS	2879	0.59	FAIL	0.38	FAIL	J-TDS
PC-2	92	95	1.5	PASS	5967	1.0	PASS	0.80	FAIL	J-TDS
PC-24	150	148	0.5	PASS	8827	1.1	PASS	0.73	FAIL	J-TDS
PC-28	100	101	0.5	PASS	6668	0.99	FAIL	0.78	FAIL	J-TDS
PC-4	110	113	1.0	PASS	7035	1.1	PASS	0.81	FAIL	J-TDS
PC-67	193	190	0.7	PASS	11632	0.95	FAIL	0.60	PASS	J-TDS
PC-76	69	71	1.1	PASS	4371	1.0	PASS	0.76	FAIL	J-TDS
PC-79	48	46	2.4	PASS	2897	1.5	FAIL	1.0	FAIL	J-TDS
PC-80	35	31	5.3	FAIL	2020	1.2	FAIL	0.78	FAIL	R-CAB&TDS
PC-81	43	46	3.1	PASS	2800	0.46	FAIL	0.33	FAIL	J-TDS
PC-88	73	73	0.3	PASS	4510	1.3	FAIL	0.90	FAIL	J-TDS
PC-94	88	92	2.2	PASS	5714	0.54	FAIL	0.40	FAIL	J-TDS
POD2-R	101	100	0.8	PASS	6249	0.88	FAIL	0.62	PASS	J-TDS
POD-8	61	64	2.6	PASS	3964	0.23	FAIL	0.17	FAIL	J-TDS
POU-3	148	124	8.8	FAIL	8026	0.95	FAIL	0.68	PASS	R-CAB&TDS
WMW5.58SD	2283	2203	1.8	PASS 1	144055	0.99	FAIL	1.3	FAIL	J-TDS
WMW5.58SD (FD)	1807	2212	10.1	FAIL 1	134387	1.0	PASS	1.2	FAIL	R-CAB&TDS
WMW5.58SI	29	26	4.8	PASS	1700	0.65	FAIL	8.3E-03	FAIL	J-TDS
WMW5.58SS	22	22	0.2	PASS	1366	0.73	FAIL	0.45	FAIL	J-TDS

Total Samples:	125		125		125
Passing:	96		26		18
Failing:	29		99		107
% Usable	75.86				

**Summary of Cation-Anion Balance and Related Calculations
2009 Groundwater Sampling Event - BMI Common Areas - Eastside
Large Anion Sum Cation-Anion Balance**

Well	pH	Major Ion Chemistry Data Input											TDS and Temperature		Density Calculated (kg/L)	molality (mol/kg) Calculations										Cation-Anion Balance Tests						
		Ca	Mg	Na	K	HCO ₃	CO ₃	SO ₄	Cl	F	NO ₃	ClO ₄	Temperature Measured (°C)	TDS Measured (mg/L)		Ca	Mg	Na	K	HCO ₃	CO ₃	SO ₄	Cl	F	NO ₃	ClO ₄	Sum Cation (molality * valence) (meq/kg)	Sum Anions (molality * valence) (meq/kg)	Charge Balance Error (%)	Acceptable Variance (<5%?)		
		(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)				(g/mol)	(g/mol)	(g/mol)	(g/mol)	(g/mol)	(g/mol)	(g/mol)	(g/mol)	(g/mol)	(g/mol)	(g/mol)					
		(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)				(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)	(mol/kg)					
COH-1	8.2	490 L	8190	18700	6380	100 J		44600 J	24800	U	U	U	23.0	117000	1.088	0.0112	0.310	0.748	0.150	1.51E-03	0.00	0.427	0.643	0.0	0.00	0.0	1.54	1.50	1.4	PASS		
COH-2	7.5	560	7400	17000 L	4830	95		35400	24600 J	U	U	U	26.6	89900	1.065	0.0131	0.286	0.694	0.116	1.46E-03	0.00	0.346	0.651	0.0	0.00	0.0	1.41	1.34	2.3	PASS		
MCF-05	7.7	470	15300	19500	13300	127		80900 J	30900	U	U	U	28.53	180000	1.138	0.0103	0.553	0.746	0.299	1.83E-03	0.00	0.740	0.766	0.0	0.00	0.0	2.17	2.25	1.7	PASS		
MCF-06A-R	6.6	250	15800	37800 J	10800	90.4 J		70700	62000	U	U	U	(2)	178000	1.138	5.48E-03	0.571	1.44	0.243	1.30E-03	0.00	0.646	1.54	0.0	0.00	0.0	2.84	2.83	0.17	PASS		
MCF-07	7.0	434	15200	29500 J	11900	137 J		83300	41500	U	U	U	0.093	166000	1.127	9.61E-03	0.555	1.14	0.270	1.99E-03	0.00	0.769	1.04	0.0	0.00	8.3E-07	2.54	2.58	0.82	PASS		
MCF-08A	7.3	608	5650	26200	3010	98.4 J		26200	51200 J	U	U	U	U	99800	1.072	0.0142	0.217	1.06	0.0718	1.50E-03	0.00	0.254	1.35	0.0	0.00	0.0	1.60	1.86	7.5	FAIL		
MCF-16A	7.5	514	8640	4310	16500	122		53300	3440	UJ	UJ	UJ	U	78800	1.056	0.0121	0.337	0.178	0.400	1.89E-03	0.00	0.525	0.0919	0.0	0.00	0.0	1.27	1.14	5.4	FAIL		
MCF-16B	7.8	543	6020	3360	16300	146 J		42800	2450	U	U	U	0.0055	J B D	29.33	0.0130	0.237	0.140	0.399	2.29E-03	0.00	0.427	0.0662	0.0	0.00	5.3E-08	1.04	0.92	6.0	FAIL		
MCF-17A	7.1	666	2930	18200	2020	43.6		14400	28200	U	U	U	U	26.2	76000	1.054	0.0158	0.114	0.751	0.0490	6.78E-04	0.00	0.142	0.755	0.0	0.00	0.0	1.06	1.04	0.98	PASS	
MCF-18A	6.4	2670	2680	58900 J	7090	28 J		3590	114000	U	U	U	0.0061	J D	23.7	0.0592	0.0980	2.28	0.161	4.08E-04	0.00	0.0332	2.86	0.0	0.00	5.4E-08	2.75	2.92	3.0	PASS		
MCF-18A (FD)	6.1	2660	2760	60000 J	7310	27.6 J		3500	112000	U	U	U	0.0092	J D	23.7	0.0585	0.100	2.30	0.165	3.99E-04	0.00	0.0321	2.79	0.0	0.00	8.2E-08	2.78	2.85	1.2	PASS		
MCF-19A	7.6	417	9270 J	20600 J	4920	116 J		56400	31900	U	U	U	U	28.51	115000	1.084	9.60E-03	0.352	0.827	0.116	1.75E-03	0.00	0.542	0.830	0.0	0.00	0.0	1.67	1.91	7.0	FAIL	
MCF-19A FD	7.6	467	10300 J	23600 J	5410	116 J		58200	33000	U	U	U	U	28.51	119000	1.087	0.0107	0.390	0.944	0.127	1.75E-03	0.00	0.557	0.856	0.0	0.00	0.0	1.87	1.97	2.6	PASS	
MCF-20A	6.8	392	12200 J	29500 J	9470	90 J		70100	61300	U	U	U	(2)	174000	1.135	8.62E-03	0.442	1.13	0.213	1.30E-03	0.00	0.643	1.52	0.0	0.00	0.0	2.25	2.81	11	FAIL		
MCF-21A	7.2	574	12700	14900	12900	135		68600	16300	U	U	U	U	28.33	119000	1.087	0.0132	0.481	0.596	0.303	2.03E-03	0.00	0.657	0.423	0.0	0.00	0.0	1.89	1.74	4.1	PASS	
MCF-23A	6.0	512 J	7400	14700 J	3620	82.4 J		37700 J	15800	U	U	U	U	25.5	77300	1.056	0.0121	0.288	0.606	0.0877	1.28E-03	0.00	0.372	0.422	0.0	0.00	0.0	1.29	1.17	5.2	FAIL	
MCF-24A	6.2	512	12200	7950	15300	141		75100 J	10600	U	U	U	U	28.67	5300	1.000	0.0128	0.502	0.346	0.391	2.31E-03	0.00	0.782	0.299	0.0	0.00	0.0	1.77	1.86	2.7	PASS	
MCF-28A	8.6	1590	3850	40600	6740	64	32.8	6880	105000	UJ	UJ	U	0.017	26.8	188000	1.145	0.0346	0.138	1.54	0.151	9.16E-04	4.77E-04	0.0626	2.59	0.0	0.00	1.5E-07	2.04	2.71	14	FAIL	
MCF-28B	7.4	565	3850	9880	2190	80.4 J		22900 J	14800	U	U	U	U	24.8	45300	1.031	0.0137	0.154	0.417	0.0543	1.28E-03	0.00	0.231	0.405	0.0	0.00	0.0	0.81	0.87	3.8	PASS	
MCF-29A	7.9	542	7850	34100	9800	83.2		39200	61600	U	U	U	U	26.5	161000	1.123	0.0120	0.288	1.32	0.223	1.21E-03	0.00	0.363	1.55	0.0	0.00	0.0	2.14	2.28	3.0	PASS	
MCF-29B	7.5	538 J	9910 J	24800 J	11500 J	116 J		53200 J	35100	U	U	U	U	26.3	119000	1.090	0.0123	0.374	0.990	0.270	1.74E-03	0.00	0.508	0.909	0.0	0.00	0.0	2.03	1.93	2.7	PASS	
MCF-30A	8.6	571 J	8700	41200 J	8690	147 J	102 J	27400 J	99600	U	U	U	U	26.35	175000	1.134	0.0126	0.316	1.58	0.196	2.12E-03	1.50E-03	0.251	2.48	0.0	0.00	0.0	2.43	2.98	10	FAIL	
MCF-30B	8.8	470 J	11700	31100 J	9990	186 J	120 J	66700 J	58700	U	U	U	U	27.0	168000	1.128	0.0104	0.427	1.20	0.226	2.70E-03	1.77E-03	0.615	1.47	0.0	0.00	0.0	2.30	2.70	8.1	FAIL	
MCF-31A	7.0	442	14000	43500	7770	119		55200	85700	1.0	0.500	0.0057	J	27.8	185000	1.142	9.66E-03	0.504	1.66	0.174	1.71E-03	0.00	0.503	2.12	4.6E-05	7.06E-06	5.0E-08	2.86	3.12	4.4	PASS	
MCF-31B	7.4	615 J	7160 J	24300 J	4230 J	126 J		31100 J	38400	U	U	U	U	27.44	89700	1.066	0.0144	0.276	0.991	0.101	1.94E-03	0.00	0.304	1.02	0.0	0.00	0.0	1.67	1.63	1.5	PASS	
WMW5.58SD	7.5	473	11600	21300 J	14800	304 J		67700	28000	U	U	U	0.083	B D	25.7	142000	1.107	0.0107	0.431	0.837	0.342	4.50E-03	0.00	0.637	0.713	0.0	0.00	7.5E-07	2.06	1.99	1.8	PASS
WMW5.58SD (FD)	7.5	424	9080	17000 J	11700	305 J		67600	28400	U	U	U	0.067	B D	25.7	138000	1.104	9.58E-03	0.338	0.670	0.271	4.53E-03	0.00	0.637	0.726	0.0	0.00	6.1E-07	1.64	2.01	10	FAIL

Total Samples:	27
Passing:	17
Failing:	10

**2009 Groundwater Sampling Event - BMI Common Areas - Eastside
Comparison of Filtered and Unfiltered Samples**

Well	Filtered	pH	Major Ion Chemistry Data Input										TDS and EC Input		meq/l Calculations										Cation-Anion Balance Tests								
			Ca	Mg	Na	K	HCO ₃	CO ₃	SO ₄	Cl	F	NO ₃	ClO ₄	TDS Measured	EC Measured	Ca	Mg	Na	K	HCO ₃	CO ₃	SO ₄	Cl	F	NO ₃	ClO ₄	Sum Cations	Sum Anions	(Cat-An)/ (Cat+An)	Acceptable Variance <5%? (3)			
			(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/L)	(umhos/cm)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(meq/l)	(meq/l)	(%)			
																20.04	12.16	22.99	39.10	61.02	30.01	48.03	35.50	19.00	61.91	99.50							
AA-01		6.9	471	142	364	7.21	93	1640	719	1.2	11	1.9	D	3800	4560	23.5	11.7	15.8	0.184	1.52	0.00	34.1	20.3	0.063	0.18	0.019	51	56	4.6	PASS-UF			
AA-01 (FILTERED)	X		486	148	376	7.38	87	1720	759	1.2	9.9	1.9	D			24.3	12.2	16.4	0.189	1.43	0.00	35.8	21.4	0.063	0.16	0.019	53	59	5.3	FAIL-F			
AA-22		7.3	692	133	353	46	68.8	1900	677	0.21	17	1.7		3600	4800	34.5	10.9	15.4	1.18	1.13	0.00	39.6	19.1	0.011	0.27	0.017	62	60	1.6	PASS-UF			
AA-22 (FILTERED)	X		674	139	350	54.9	66	1930	630	0.19	15	1.7				33.6	11.4	15.2	1.40	1.08	0.00	40.2	17.7	1.0E-02	0.24	0.017	62	59	2.0	PASS-F			
DBMW-5		6.7	685	234	508	61.6	78.8	2310	959	0.12	26	2.8		6600	6140	34.2	19.2	22.1	1.58	1.29	0.00	48.1	27.0	6.3E-03	0.42	0.028	77	77	0.2	PASS-UF			
DBMW-5 (FILTERED)	X		666	227	495	68.2	76	2200	919	0.11	25	3				33.2	18.7	21.5	1.74	1.25	0.00	45.8	25.9	5.8E-03	0.41	0.030	75	73	1.2	PASS-F			
DBMW-8		6	794	320	668	88.7	56	2190	1720		U	46	3.6	8000	7940	39.6	26.3	29.1	2.27	0.918	0.00	45.6	48.5	0.0	0.74	0.036	97	96	0.8	PASS-UF			
DBMW-8 (FILTERED)	X		795	319	671	89.1	54.4	2120	1660		U	45	2.2			39.7	26.2	29.2	2.28	0.892	0.00	44.1	46.8	0.0	0.72	0.022	97	93	2.5	PASS-F			
HMW-08		6	781	194	509	74.9	400	1960	701	0.43	10	2.2		5900	5550	39.0	16.0	22.1	1.92	6.56	0.00	40.8	19.7	0.023	0.16	0.022	79	67	8.0	FAIL-UF			
HMW-08 (FILTERED)	X		614	173	514	70.1	284	2000	714	0.45	9.9	2.1				30.6	14.2	22.4	1.79	4.65	0.00	41.6	20.1	0.024	0.16	0.021	69	67	1.8	PASS-F			
MCF-16A		7.5	514	8640	4310	16500	122	53300	3440		UJ		UJ	78800	63500	25.6	711	187	422	2.00	0.00	1.11E+03	96.9	0.0	0.0	0.0	1346	1209	5.4	FAIL-UF			
MCF-16A (FILTERED)	X		497	8280	4170	15900	118	54200	3470		U		U			24.8	681	181	407	1.93	0.00	1.13E+03	97.7	0.0	0.0	0.0	1294	1228	2.6	PASS-F			
MCF-17A		7.1	666	2930	18200	2020	43.6	14400	28200		U		U	76000	78200	33.2	241	792	51.7	0.715	0.00	300	794	0.0	0.0	0.0	1117	1095	1.0	PASS-UF			
MCF-17A (FILTERED)	X		693	3030	18800	2120	44	14400	27600		U		U			34.6	249	818	54.2	0.721	0.00	300	777	0.0	0.0	0.0	1156	1078	3.5	PASS-F			
MCF-28A		8.6	1590	3850	40600	6740	64	32.8	6880	105000		UJ	UJ	0.017	188000	191000	79.3	317	1.77E+03	172	1.05	1.09	143	2.96E+03	0.0	0.0	1.7E-04	2334	3103	14.1	FAIL-UF		
MCF-28A (FILTERED)	X		1460	3770	44400	7840	56	36	6930	106000		U	U			72.9	310	1.93E+03	201	0.918	1.20	144	2.99E+03	0.0	0.0	0.0	2515	3132	10.9	FAIL-F			
MCF-29A		7.9	542	7850	34100	9800	83.2	39200	61600		U		U	161000	139000	27.0	646	1.48E+03	251	1.36	0.00	816	1.74E+03	0.0	0.0	0.0	2406	2553	2.9	PASS-UF			
MCF-29A (FILTERED)	X		534	7660	39000	8410	82.4	39400	61800		U		UJ			26.6	630	1.70E+03	215	1.35	0.00	820	1.74E+03	0.0	0.0	0.0	2568	2563	0.1	PASS-F			
MCF-31A		7	442	14000	43500	7770	119	55200	85700	1	0.50		U	0.0057	J	185000	158000	22.1	1.15E+03	1.89E+03	199	1.95	0.00	1.15E+03	2.41E+03	0.053	8.1E-03	5.7E-05	3264	3565	4.4	PASS-UF	
MCF-31A (FILTERED)	X		453	14100	48400	8230	120	55800	83900		U		U	0.0038	J			22.6	1.16E+03	2.11E+03	210	1.97	0.00	1.16E+03	2.36E+03	0.0	0.0	3.8E-05	3498	3527	0.4	PASS-F	
AA-07		7	266	87.8	J	224	J	42.1	84					2500	2800	13.3	7.22	9.74	1.08	1.38	0.00	19.9	7.35	0.036	0.17	4.0E-03	31	29	4.1	PASS-UF			
AA-07 (FILTERED)	X		266	86.9	J	226	J	42.3	80							13.3	7.15	9.83	1.08	1.31	0.00	21.9	7.80	0.035	0.17	4.6E-03	31	31	0.2	PASS-F			
AA-08		7.2	454	208	657	32.9	163	1820	975	1.3	6.2	3.3	B D	3500	5840	22.7	17.1	28.6	0.841	2.67	0.00	37.9	27.5	0.068	0.10	0.033	69	68	0.7	PASS-UF			
AA-08 (FILTERED)	X		437	199	633	31.6	155	1840	1000	1.3	6.3	3.2	B D			21.8	16.4	27.5	0.808	2.54	0.00	38.3	28.2	0.068	0.10	0.032	67	69	2.0	PASS-F			
AA-09		7.5	538	294	923	J	30.5	69	2870	1090	0.54	B	14	6	D	6600	7390	26.8	24.2	40.1	0.780	1.13	0.00	59.8	30.7	0.028	0.23	0.060	92	92	0.0	PASS-UF	
AA-09 (FILTERED)	X		539	280	851	J	25.9	61	2870	1080	0.51	B	14	7.2	B D			26.9	23.0	37.0	0.662	1.000	0.00	59.8	30.4	0.027	0.23	0.072	88	92	2.2	PASS-F	
AA-10		7.2	404	200	633	J	36.2	148	1800	1030	1	7.4	4.3	D	4110	5890	20.2	16.4	27.5	0.926	2.43	0.00	37.5	29.0	0.053	0.12	0.043	65	69	3.0	PASS-UF		
AA-10 (FILTERED)	X		398	196	623	J	35	146	1810	1030	1	7.8	5.1	D			19.9	16.1	27.1	0.895	2.39	0.00	37.7	29.0	0.053	0.13	0.051	64	69	4.0	PASS-F		
AA-13		7.1	260	114	439	23.2	199	1590	371	J	0.76	50	0.097	B D	1800	3630	13.0	9.38	19.1	0.593	3.26	0.00	33.1	10.5	0.040	0.80	9.7E-04	42	48	6.3	FAIL-UF		
AA-13 (FILTERED)	X		268	120	447	L	27.2	198	1310	299	J	0.8	21	0.092	B D			13.4	9.87	19.4	0.696	3.24	0.00	27.3	8.42	0.042	0.34	9.2E-04	43	39	4.9	PASS-F	
AA-18		7.5	110	57.2	156	J	16.8	95	401	208	0.68	11	0.11	D	350	U	5.49	4.70	6.79	0.430	1.56	0.00	8.35	5.86	0.036	0.17	1.1E-03	17	16	4.3	PASS-UF		
AA-18 (FILTERED)	X		108	56.2	154	J	16.7	95	420	212	0.71	11	0.11	D			5.39	4.62	6.70	0.427	1.56	0.00	8.74	5.97	0.037	0.17	1.1E-03	17	16	1.9	PASS-F		
AA-20		6.9	556	235	898	J	44.2	78	J	2540	1100	0.22	15	5.3	D	6400	7640	J	27.7	19.3	39.1	1.13	1.28	0.00	52.9	31.0	0.012	0.24	0.053	87	85	1.0	PASS-UF
AA-20 (FILTER)	X		552	231	879	J	42.7	79	J	2510	1100	0.28	15	5.4	D			27.5	19.0	38.2	1.09	1.29	0.00	52.3	31.0	0.015	0.25	0.054	86	85	0.6	PASS-F	
AA-21		7.2	512	299	720	J	83.3	189	2800	994	1.6	B	7.4	0.052	B D	5600	7100	25.5	24.6	31.3	2.13	3.10	0.00	58.3	28.0	0.084	0.12	5.2E-04	84	90	3.5	PASS-UF	
AA-21 (FILTERED)	X		520	300	740	J	84.6	180	2770	1000	1.6	B	7.5	0.057	B D			25.9	24.7	32.2	2.16	2.95	0.00	57.7	28.2	0.084	0.12	5.7E-04	85	89	2.3	PASS-F	
AA-23R		7.4	635	159	408	J	62.7	90.4	J	1880	928	0.48	27	1.9	B D	2400	6010	J	31.7	13.1	17.7	1.60	1.48	0.00	39.1	26.1	0.025	0.43	0.019	64	67	2.4	PASS-UF
AA-23R (FILTER)	X		656	161	426	J	62.6	89.8	J	1860	948	0.35	29	0.054	B D			32.7	13.2	18.5	1.60	1.47	0.00	38.7	26.7	0.018	0.47	5.4E-04	66	67	1.0	PASS-F	
AA-26		7.5	252	90.9	356	J	44.1	70	J	1100	355	0.79	12	0.049	B D	600	3420	J	12.6	7.48	15.5	1.13	1.15	0.00	22.9	10.0	0.042	0.20	4.9E-04	37	34	3.3	PASS-UF
AA-26 (FILTER)	X		247	89.3	351	J	43.3	85.8	J	1140	380	0.79	12	0.048	B D			12.3	7.34	15.3	1.11	1.41	0.00	23.7	10.7	0.042	0.19	4.8E-04	36	36	0.1	PASS-F	
AA-27		7.6	513	192	535	8.58	126	2320	422	2	13	0.23	D	3300	4980	25.6	15.8	23.3	0.219	2.06	0.00	48.3	11.9	0.11	0.20	2.3E-03	65	63	1.8	PASS-UF			
AA-27 (FILTER)	X		516	201	538	8.56	130	2290	417	2	12	0.23	D			25.7	16.5	23.4	0.219	2.13	0.00	47.7	11.7	0.11	0.20	2.3E-03	66	62	3.2	PASS-F			
AA-30		7.1	643	347	721	J	180	115	J	2630	1620	0.11	36	2.5	B D	5000	8610	J	32.1	28.5	31.4	4.60	1.88	0.00	54.8	45.6	5.8E-03	0.58	0.025	97	103	3.2	PASS-UF
AA-30 (FILTER)	X		648	342	713	J</																											

**2009 Groundwater Sampling Event - BMI Common Areas - Eastside
Comparison of Filtered and Unfiltered Samples**

Well	Filtered	pH	Major Ion Chemistry Data Input											TDS and EC Input		meq/l Calculations										Cation-Anion Balance Tests									
			Ca	Mg	Na	K	HCO ₃	CO ₃	SO ₄	Cl	F	NO ₃	ClO ₄	TDS Measured	EC Measured	Ca	Mg	Na	K	HCO ₃	CO ₃	SO ₄	Cl	F	NO ₃	ClO ₄	Sum Cations	Sum Anions	(Cat-An)/ (Cat+An)	Acceptable Variance <5%? (3)					
			(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/L)	(umhos/cm)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(meq/l)	(meq/l)	(%)					
PC-24		7.1	835	379	1750	J	24.1	83		2100	3630	J	0.8	B	39	19	D	9800	13400	41.7	31.2	76.1	0.616	1.36	0.00	43.7	102	0.042	0.63	0.19	150	148	0.5	PASS-UF	
PC-24 (FILTERED)	X		805	368	1690	J	23.5	79		2150	3580	J	0.77	B	40	22	D			40.2	30.3	73.5	0.601	1.29	0.00	44.8	101	0.041	0.65	0.22	145	148	1.1	PASS-F	
PC-28		7.4	628	231	1130	J	10.6	93		2870	1200	J	0.77	B	42	500	D	6600	8440	31.3	19.0	49.2	0.271	1.52	0.00	59.8	33.8	0.041	0.68	5.0	100	101	0.5	PASS-UF	
PC-28 (FILTERED)	X		632	222	1110	J	9.4	92		2850	1170	J	0.72	B	41	530	D			31.5	18.3	48.3	0.240	1.51	0.00	59.3	33.0	0.038	0.66	5.3	98	100	0.8	PASS-F	
PC-4		7	574	341	1160	J	129	95		3110	1630		0.42		26	7.5	D	7400	9140	28.6	28.0	50.5	3.30	1.56	0.00	64.8	45.9	0.022	0.42	0.075	110	113	1.0	PASS-UF	
PC-4 (FILTERED)	X		550	330	1120	J	130	89		3130	1660		0.42		25	7.3	D			27.4	27.1	48.7	3.32	1.46	0.00	65.2	46.8	0.022	0.41	0.073	107	114	3.3	PASS-F	
PC-67		5.6	709	349	2940	J	25.2	144	J	3120	4300		1.4		48	53	B D	11000	18400	35.4	28.7	128	0.645	2.36	0.00	65.0	121	0.074	0.78	0.53	193	190	0.7	PASS-UF	
PC-67 (FILTER)	X		728	352	3040	J	25.4	132	J	3070	4240		1.4		49	59	B D			36.3	28.9	132	0.650	2.16	0.00	63.9	119	0.074	0.79	0.59	198	187	2.9	PASS-F	
PC-76		7.4	418	232	649	J	37.1	187	J	2010	908		0.93		2.7	0.84	D	4400	5820	20.9	19.1	28.2	0.949	3.06	0.00	41.8	25.6	0.049	0.044	8.4E-03	69	71	1.1	PASS-UF	
PC-76 (FILTER)	X		407	230	645	J	38.7	185	J	1970	919		0.95		2.8	0.77	D			20.3	18.9	28.1	0.990	3.03	0.00	41.0	25.9	0.050	0.045	7.7E-03	68	70	1.3	PASS-F	
PC-79		7.3	282	112	558		22.5	202		1110	687		1.1	0.64	3		D	4400	4330	14.1	9.21	24.3	0.575	3.31	0.00	23.1	19.4	0.058	0.010	0.030	48	46	2.4	PASS-UF	
PC-79 (FILTER)	X		286	115	568		23.1	209		1100	687		1.2	0.62	2.9		D			14.3	9.46	24.7	0.591	3.43	0.00	22.9	19.4	0.063	0.010	0.029	49	46	3.4	PASS-F	
PC-80		7.3	191	48.9	480		20.3	284		614	494		1.7	0.012	0.038		D	2500	3210	9.53	4.02	20.9	0.519	4.65	0.00	12.8	13.9	0.089	1.9E-04	3.8E-04	35	31	5.3	FAIL-UF	
PC-80 (FILTER)	X		187	52.9	478		20.1	287		612	501		1.7	5.0E-03	0.044		D			9.33	4.35	20.8	0.514	4.70	0.00	12.7	14.1	0.089	8.1E-05	4.4E-04	35	32	5.0	FAIL-F	
PC-81		7.3	121	54.9	725		27.4	324	J	971	703		3.7	0.019	B	0.02	U	1300	3960	6.04	4.51	31.5	0.701	5.31	0.00	20.2	19.8	0.19	3.1E-04	2.0E-04	43	46	3.1	PASS-UF	
PC-81 (FILTER)	X		121	57	712		26.5	325	J	1000	715		3.7	0.018	B	0.02	U			6.04	4.69	31.0	0.678	5.33	0.00	20.8	20.1	0.19	2.9E-04	2.0E-04	42	46	4.6	PASS-F	
PC-88		7.1	263	109	1150		30.1	271	J	1320	1460		1.5	6.1	7.5		D	5700	6320	13.1	8.96	50.0	0.770	4.44	0.00	27.5	41.1	0.079	0.099	0.075	73	73	0.3	PASS-UF	
PC-88 (FILTER)	X		261	111	1090		28.2	266	J	1390	1550		1.5	6.3	6.9		D			13.0	9.13	47.4	0.721	4.36	0.00	28.9	43.7	0.079	0.10	0.069	70	77	4.7	PASS-F	
PC-90			224	92.3	872	J	21.9	234	J	1160	1070		1.4	7.6	6.3		B D	2100		11.2	7.59	37.9	0.560	3.83	0.00	24.2	30.1	0.074	0.12	0.063	57	58	1.0	PASS-UF	
PC-90 (FILTER)	X		229	94.2	876	J	21.4	239	J	1150	1070		1.4	8.1	6.6		B D			11.4	7.75	38.1	0.547	3.92	0.00	23.9	30.1	0.074	0.13	0.066	58	58	0.4	PASS-F	
PC-94		7.1	628	259	780	J	61.5	116	J	2700	1190		0.66	19	5.7		B D	3100	7790	31.3	21.3	33.9	1.57	1.90	0.00	56.2	33.5	0.035	0.31	0.057	88	92	2.2	PASS-UF	
PC-94 (FILTER)	X		641	262	794	J	60.4	115	J	2690	1190		0.59	19	5.3		B D			32.0	21.5	34.5	1.54	1.88	0.00	56.0	33.5	0.031	0.31	0.053	90	92	1.2	PASS-F	
POD2-R		7.4	685	235	1080		27.7	103	J	2560	1570		0.92	21	7.9		D	5500	8870	34.2	19.3	47.0	0.708	1.69	0.00	53.3	44.2	0.048	0.33	0.079	101	100	0.8	PASS-UF	
POD2-R (FILTER)	X		688	233	1080		28	102	J	2600	1570		0.89	22	7.5		D			34.3	19.2	47.0	0.716	1.67	0.00	54.1	44.2	0.047	0.36	0.075	101	101	0.3	PASS-F	
POD-8		6.9	370	225	J	539	J	32.5	J	197	J		0.72	25	0.31		D	900	5270	18.5	18.5	23.4	0.831	3.23	0.00	39.6	21.2	0.038	0.41	3.1E-03	61	64	2.6	PASS-UF	
POD-8 (FILTER)	X		366	223	J	533	J	32.3	J	191	J		0.71	25	0.31		D			18.3	18.3	23.2	0.826	3.13	0.00	38.7	20.5	0.037	0.41	3.1E-03	61	63	1.7	PASS-F	
POU-3		7.4	806	378	1740		33.7	64.8	J	2460	2530		0.2	U	12	27		D	7600	11200	40.2	31.1	75.7	0.862	1.06	0.00	51.2	71.3	0.011	0.20	0.27	148	124	8.8	FAIL-UF
POU-3 (FILTER)	X		665	305	1440		27	64	J	2400	2470		0.2	U	12	20		D			33.2	25.1	62.6	0.691	1.05	0.00	50.0	69.6	0.011	0.19	0.20	122	121	0.2	PASS-F
WMW5.58SD		7.5	473	11600	21300	J	14800	304	J	67700	28000		1	U	0.50	U	0.083	B D	142000	112000	23.6	954	926	379	4.98	0.00	1.41E+03	789	0.053	8.1E-03	8.3E-04	2283	2203	1.8	PASS-UF
WMW5.58SD (FILTER)	X		488	12000	21900	J	15000	307	J	67800	28100		1	U	0.50	U	0.062	B D			24.4	987	953	384	5.03	0.00	1.41E+03	792	0.053	8.1E-03	6.2E-04	2347	2208	3.1	PASS-F
WMW5.58SD (FD)		7.5	424	9080	17000	J	11700	305	J	67600	28400		1	U	0.50	U	0.067	B D	138000	114000	21.2	747	739	299	5.00	0.00	1.41E+03	800	0.053	8.1E-03	6.7E-04	1807	2213	10.1	FAIL-UF
WMW5.58SD (FD) (FILTER)	X		462	11200	21100	J	14100	301	J	67200	28000		1	U	0.50	U	0.065	B D			23.1	921	918	361	4.93	0.00	1.40E+03	789	0.053	8.1E-03	6.5E-04	2223	2193	0.7	PASS-F
WMW5.58SI		7.5	146	59.4	J	369	J	28.9	J	176	J		1.1	11	0.37		D	1100	133000	7.29	4.88	16.1	0.739	2.88	0.00	12.5	10.7	0.058	0.17	3.7E-03	29	26	4.8	PASS-UF	
WMW5.58SI (FILTER)	X		132	56.8	J	361	J	28.1	J	171	J		1.1	11	0.39		D			6.59	4.67	15.7	0.719	2.80	0.00	12.8	10.7	0.058	0.17	3.9E-03	28	27	2.1	PASS-F	
WMW5.58SS		7.5	117	52.3	J	252	J	28	J	153	J		0.86	14	0.012		D	1000	2220	5.84	4.30	11.0	0.716	2.51	0.00	10.5	8.65	0.045	0.22	1.2E-04	22	22	0.2	PASS-UF	
WMW5.58SS (FILTER)	X		122	54.2	J	261	J	28.2	J	152	J		0.94	14	0.018		D			6.09	4.46	11.4	0.721	2.49	0.00	9.91	8.20	0.049	0.22	1.8E-04	23	21	4.0	PASS-F	

Total Samples:	252
Passing:	205
Failing:	47
Total Unfiltered:	126
Passing Unfiltered:	97
Failing Unfiltered:	29
% Passing:	77.0
Total Filtered:	126
Passing Filtered:	108
Failing Filtered:	18
% Passing:	85.7

**Summary of Cation-Anion Balance and Related Calculations
2009 Groundwater Sampling Event - BMI Common Areas - Eastside
Comparison of Field and Laboratory Measured Alkalinity**

Well	Zone	pH	Major Ion Chemistry Data Input										TDS and EC Input		meq/l Calculations										Cation-Anion Balance Tests				TDS Checks					
			Ca	Mg	Na	K	HCO ₃	SO ₄	Cl	F	NO ₃	ClO ₄	TDS Measured	EC Measured	Ca	Mg	Na	K	HCO ₃	SO ₄	Cl	F	NO ₃	ClO ₄	Sum Cations	Sum Anions	(Cat-An)/ (Cat+An)	Acceptable Variance <5%?	TDS Sum	Lab/Sum Ratio	Acceptable Ratio 1.0 - 1.2			
			(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/L)	(umhos/cm)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(mg/meq)	(meq/l)	(meq/l)	(%)		(mg/l)	-				
			(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/L)	(umhos/cm)	(meq/l)	(meq/l)	(meq/l)	(meq/l)	(meq/l)	(meq/l)	(meq/l)	(meq/l)	(meq/l)	(meq/l)	(meq/l)	(meq/l)	(%)		(mg/l)	-				
AA-08	Shallow	7.2	454	208	657	32.9	163	Lab	1820	975	1.3	6.2	3.3	B D	3500	5840	22.7	17.1	28.6	0.841	2.67	37.9	27.5	0.068	0.10	0.033	69	68	0.7	PASS-LA	4255.50	0.82	FAIL-LA	
AA-08 (FA)	Shallow	7.2	454	208	657	32.9	152	Field	1820	975	1.3	6.2	3.3	B D	3500	5840	22.7	17.1	28.6	0.841	2.49	37.9	27.5	0.068	0.10	0.033	69	68	0.8	PASS-FA	4248.90	0.82	FAIL-FA	
AA-20	Shallow	6.9	556	235	898	J	44.2	78	J Lab	2540	1100	0.22	14.7	5.3	D	6400	7640	27.7	19.3	39.1	1.13	1.28	52.9	31.0	0.012	0.24	0.053	87	85	1.0	PASS-LA	5440.22	1.2	PASS-LA
AA-20 (FA)	Shallow	6.9	556	235	898	J	44.2	79	Field	2540	1100	0.22	14.7	5.3	D	6400	7640	27.7	19.3	39.1	1.13	1.29	52.9	31.0	0.012	0.24	0.053	87	85	1.0	PASS-FA	5440.82	1.2	PASS-FA
AA-27	Shallow Upgradient	7.6	513	192	535	8.58	126	Lab	2320	422	2	12.5	0.23	D	3300	4980	25.6	15.8	23.3	0.219	2.06	48.3	11.9	0.11	0.20	2.3E-03	65	63	1.8	FAIL-LA	4080.91	0.81	FAIL-LA	
AA-27 (FA)	Shallow Upgradient	7.6	513	192	535	8.58	122	Field	2320	422	2	12.5	0.23	D	3300	4980	25.6	15.8	23.3	0.219	2.00	48.3	11.9	0.11	0.20	2.3E-03	65	62	1.9	PASS-FA	4078.51	0.81	FAIL-FA	
AA-UW-4	Shallow Upgradient	7.6	401	194	919	16	78	Lab	2920	304	0.81	12.6	0.077	D	4300	5700	20.0	16.0	40.0	0.409	1.28	60.8	8.56	0.043	0.20	7.7E-04	76	71	3.7	PASS-LA	4814.29	0.89	FAIL-LA	
AA-UW-4 (FA)	Shallow Upgradient	7.6	401	194	919	16	71	Field	2920	304	0.81	12.6	0.077	D	4300	5700	20.0	16.0	40.0	0.409	1.16	60.8	8.56	0.043	0.20	7.7E-04	76	71	3.8	PASS-FA	4810.09	0.89	FAIL-LA	
AA-UW-6	Shallow Upgradient	7.6	384	151	342	62.4	66	Lab	2240	201	0.57	8.8	0.05	D	3700	4280	19.2	12.4	14.9	1.60	1.08	46.6	5.66	0.030	0.14	5.0E-04	48	54	5.4	FAIL-LA	3429.42	1.1	PASS-LA	
AA-UW-6 (FA)	Shallow Upgradient	7.6	384	151	342	62.4	75	Field	2240	201	0.57	8.8	0.05	D	3700	4280	19.2	12.4	14.9	1.60	1.23	46.6	5.66	0.030	0.14	5.0E-04	48	54	5.6	FAIL-FA	3434.82	1.1	PASS-FA	
DBMW-3	Shallow	7.6	562	367	J	970	J	104	J Lab	3230	1410	0.24	15.4	7.6	D	6600	8350	28.0	30.2	42.2	2.66	0.924	67.2	39.7	0.013	0.25	0.076	103	108	2.4	PASS-LA	6700.08	0.99	FAIL-LA
DBMW-3 (FA)	Shallow	7.6	562	367	J	970	J	104	J Lab	3230	1410	0.24	15.4	7.6	D	6600	8350	28.0	30.2	42.2	2.66	0.983	67.2	39.7	0.013	0.25	0.076	103	108	2.5	PASS-FA	6702.24	0.98	FAIL-FA
DBMW-4	Shallow	7.5	631	237	681	84.8	90.8	J Lab	2610	952	0.092	B	27.7	4.1	D	4400	6590	31.5	19.5	29.6	2.17	1.49	54.3	26.8	4.8E-03	0.45	0.041	83	83	0.2	PASS-LA	5282.17	0.83	FAIL-LA
DBMW-4 (FA)	Shallow	7.5	631	237	681	84.8	84	Field	2610	952	0.092	B	27.7	4.1	D	4400	6590	31.5	19.5	29.6	2.17	1.38	54.3	26.8	4.8E-03	0.45	0.041	83	83	0.2	PASS-FA	5278.09	0.83	FAIL-FA
DBMW-7	Shallow	5.3	658	289	617	71.8	65.2	J Lab	2410	1430	U	42.7	3.1	D	6900	7510	32.8	23.8	26.8	1.84	1.07	50.2	40.3	0.0	0.69	0.031	85	92	3.9	PASS-LA	5560.72	1.2	FAIL-LA	
DBMW-7 (FA)	Shallow	5.3	658	289	617	71.8	157	Field	2410	1430	U	42.7	3.1	D	6900	7510	32.8	23.8	26.8	1.84	2.57	50.2	40.3	0.0	0.69	0.031	85	94	4.7	PASS-FA	5615.80	1.2	FAIL-FA	
MCF-05	Middle	7.7	470	15300	19500	13300	127	Lab	80900	J	30900	U	U	U	180000	105000	23.5	1.26E+03	848	340	2.08	1.68E+03	870	0.0	0.0	0.0	2470	2557	1.7	PASS-LA	160446.20	1.1	PASS-LA	
MCF-05 (FA)	Middle	7.7	470	15300	19500	13300	127	Field	80900	J	30900	U	U	U	180000	105000	23.5	1.26E+03	848	340	2.08	1.68E+03	870	0.0	0.0	0.0	2470	2557	1.7	PASS-FA	160446.20	1.1	PASS-FA	
MCF-06A-R	Deep	6.6	250	15800	37800	J	10800	90.4	J Lab	70700	62000	U	U	U	178000	137000	12.5	1.30E+03	1.64E+03	276	1.48	1.47E+03	1.75E+03	0.0	0.0	0.0	3232	3220	0.2	PASS-LA	197404.24	0.90	FAIL-LA	
MCF-06A-R (FA)	Deep	6.6	250	15800	37800	J	10800	88	Field	70700	62000	U	U	U	178000	137000	12.5	1.30E+03	1.64E+03	276	1.44	1.47E+03	1.75E+03	0.0	0.0	0.0	3232	3220	0.2	PASS-FA	197402.80	0.90	FAIL-FA	
MCF-16C	Shallow	7.4	601	600	602	308	83.6	J Lab	6290	1050	0.43	B	16.6	8.7	B D	11500	11200	30.0	49.3	26.2	7.88	1.37	131	29.6	0.023	0.27	0.087	113	162	17.7	FAIL-LA	9526.89	1.2	FAIL-LA
MCF-16C (FA)	Shallow	7.4	601	600	602	308	83	Field	6290	1050	0.43	B	16.6	8.7	B D	11500	11200	30.0	49.3	26.2	7.88	1.36	131	29.6	0.023	0.27	0.087	113	162	17.7	FAIL-FA	9526.53	1.2	FAIL-FA
MCF-18A	Deep	6.4	2670	2680	58900	J	7090	28	J Lab	3590	114000	U	U	0.0061	J D	163000	196000	133	220	2.56E+03	181	0.459	74.7	3.21E+03	0.0	0.0	6.1E-05	3097	3286	3.0	PASS-LA	188946.81	0.86	FAIL-LA
MCF-18A (FA)	Deep	6.4	2670	2680	58900	J	7090	34	Field	3590	114000	U	U	0.0061	J D	163000	196000	133	220	2.56E+03	181	0.557	74.7	3.21E+03	0.0	0.0	6.1E-05	3097	3287	3.0	PASS-FA	188950.41	0.86	FAIL-FA
MCF-20A	Deep	6.8	392	12200	J	29500	J	9470	J	90	J Lab	70100	61300	U	U	174000	3840	19.6	1.00E+03	1.28E+03	242	1.47	1.46E+03	1.73E+03	0.0	0.0	0.0	2548	3188	11.1	FAIL-LA	183016.00	0.95	FAIL-LA
MCF-20A (FA)	Deep	6.8	392	12200	J	29500	J	9470	J	69	Field	70100	61300	U	U	174000	3840	19.6	1.00E+03	1.28E+03	242	1.13	1.46E+03	1.73E+03	0.0	0.0	0.0	2548	3187	11.1	FAIL-FA	183003.40	0.95	FAIL-FA
POD2-R	Shallow	7.4	685	235	1080	27.7	103	J Lab	2560	1570	0.92	20.7	7.9	D	5500	8870	34.2	19.3	47.0	0.708	1.69	53.3	44.2	0.048	0.33	0.079	101	100	0.8	PASS-LA	6249.02	0.88	FAIL-LA	
POD2-R (FA)	Shallow	7.4	685	235	1080	27.7	98	Field	2560	1570	0.92	20.7	7.9	D	5500	8870	34.2	19.3	47.0	0.708	1.61	53.3	44.2	0.048	0.33	0.079	101	100	0.8	PASS-FA	6246.02	0.88	FAIL-FA	

Total Samples:	28	28
Passing:	22	6
Failing:	6	22
Total Lab Alkalinity:	14	14
Passing Lab Alkalinity:	11	3
Failing Lab Alkalinity:	3	11
% Passing:	78.6	21.4
Total Field Alkalinity:	14	14
Passing Field Alkalinity:	11	3
Failing Field Alkalinity:	3	11
% Passing:	78.6	21.4

Summary of Cation-Anion Balance and Related Calculations 2009 Groundwater Sampling Event - BMI Common Areas - Eastside

Notes:

NR - not reported

mg/L - Milligrams per Liter

- (1) For samples with anion sum > 800 meq/L, see Table 1b for Cation-Anion Balance Results
- (2) No temperature values available for MCF-06A-R and MCF-20A due to equipment malfunction. A value of 26.6° C used in density calculation, taken from average of other wells in table
- (3) For the CAB test, a 5% variance is acceptable for samples with an anion sum 10-800 meq/L, and a 2% variance is acceptable for samples with an anion sum of 3-10 meq/L

Density calculated from http://www.earthwardconsulting.com/density_calculator.htm

Well PC-90 was removed since no value for EC was reported.

Qualifiers:

J-TDS: TDS measured/sum and/or TDS:EC ratio checks do not pass; Cation-anion balance check does pass

R-CAB&TDS: Cation-anion balance check does not pass; TDS measured/sum and/or TDS:EC ratio check do not pass