

October 15, 2009
Project No. 20092598V1

Mr. Ranajit Sahu, C.E.M., Ph.D.
Basic Remediation Company
875 West Warm Springs Road
Henderson, Nevada 89011

PROVIDING

- Geotechnical Engineering
- Construction Materials Engineering
- Environmental Engineering
- Drilling Services

RE: *Galleria North and Sunset North Additional Sampling, Henderson, Nevada*

Dear Dr. Sahu:

On September 29, 2009 and September 30, 2009, Geotechnical and Environmental Services, Inc. (GES) implemented a sampling program per the direction of Basic Remediation Company (BRC). This activity report details the scope of services performed, which consisted of the following:

- September 25, 2009: USA Underground utility alert was called in after field marking the project area.
- September 25, 2009: Staked and located fifteen (15) sampling locations with a GPS Trimble ProXH Unit. The sample location coordinates were provided by ERM.
- September 29 – September 30, 2009: Collected fifteen (15) samples from fifteen (15) boring locations throughout the sites at depths ranging from 4.0 to 13 feet. A total of two (2) field duplicate samples, one (1) matrix spike/matrix spike duplicate sample and one (1) rinsate sample were taken throughout the sampling event.

GES's scope of services was to implement the field sampling program so that others can evaluate the data resulting from our sampling efforts. Therefore, this report does not provide conclusions regarding the analytes or their levels of occurrence.

Field Investigation Methodology

Soils - Soil samples were taken from fifteen (15) borings drilled using the hollow stem auger method. The boreholes were initiated using a Diedrich D-50+ Track Drill Rig outfitted with 6-1/2 inch outside diameter hollow stem augers. A California modified split spoon sampler was advanced at least 18 inches per sampling interval by using an autohammer with an equivalent force of a 140-pound hammer falling 30 inches for each blow.

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Soil samples were logged according to the USCS Classification by a qualified Geologist. Boring logs were prepared for the locations drilled (Appendix A, Figures 5 through 7). The soil from each sample interval was also field screened for volatile organic vapors (VOCs) using 10.6 eV and 11.7 eV photoionization detector probes (PIDs). The PID results and any odors or soil staining observed during the course of fieldwork are shown on the boring logs.

At each sample location and depth interval, the samples were collected in two (2) clean 2.5-inch diameter by 6.0-inch long stainless steel sleeves using standard split spoon sampling techniques. The ends of each sleeve(s) retained for analysis were covered with Teflon sheeting and placed in a sealable ZipLock™ type plastic bag. For each sample interval, one sleeve was shipped to Test America Laboratories (Earth City, Missouri) and one sleeve was shipped to GEL Laboratory (Charleston, South Carolina).

Each sample was provided a unique sampling number with the following designation: Sample Location, Depth Interval, Date, and Time. For example, the first sampling location was identified as JP04E-10, 9/29/09, 0647, while the final sampling location was identified as BD25E-10, 9/30/09, 0902. The soil samples were stored in coolers with ice and shipped daily via FedEx to Test America Laboratories and GEL Laboratory.

Soil samples and the breathing zone were monitored by two photoionization detector probes (10.6 eV and 11.7 eV) by GES personnel. The health and safety monitoring effort complied with the **BRC Health and Safety Plan, October, 2005**.

Decontamination Procedures

The drilling equipment and down-hole equipment were decontaminated prior to initial usage and then between each borehole location. Decontamination of drilling equipment consisted of high pressure washing prior to the initial boring. The down-hole equipment was washed between borehole locations using Liquinox™ detergent wash, a potable water rinse, and a final rinse with commercially available distilled water.

Investigative Derived Waste (IDW)

All Investigative Derived Waste consisted of drilling cuttings (soil) and equipment decontamination waste (Liquinox laboratory grade detergent and rinse water). Ground water was not encountered, therefore the drill cuttings were returned to the borehole after the sampling was completed. Decontamination fluid was minimal and disposed of in the boreholes.

Documentation

Documentation of the field activities consists of figures showing the site location (Vicinity Map, Figure 1), boring locations (Site Map, Figure 2 and Figure 3), photographs of representative boring locations (Figure 4) and boring logs for the central boring of each group (Figure 5 through 7). Only one boring log was prepared for each group of borings due to the close proximity of the locations (within 10-feet of the central boring). These documents are included as attachments. Copies of the Chain-of-Custodies and daily safety meeting forms are also included as attachments.

Changes to Original Planned Work

During this work there were no modifications to the original scope of services.

We appreciate this opportunity to provide our professional services. If you have questions or comment, feel free to contact our office at (702) 365-1001.

Sincerely,
Geotechnical & Environmental Services, Inc.



Richard A. Cooke, C.E.M.
Project Geologist
C.E.M. #1820

RAC:KSH:ac

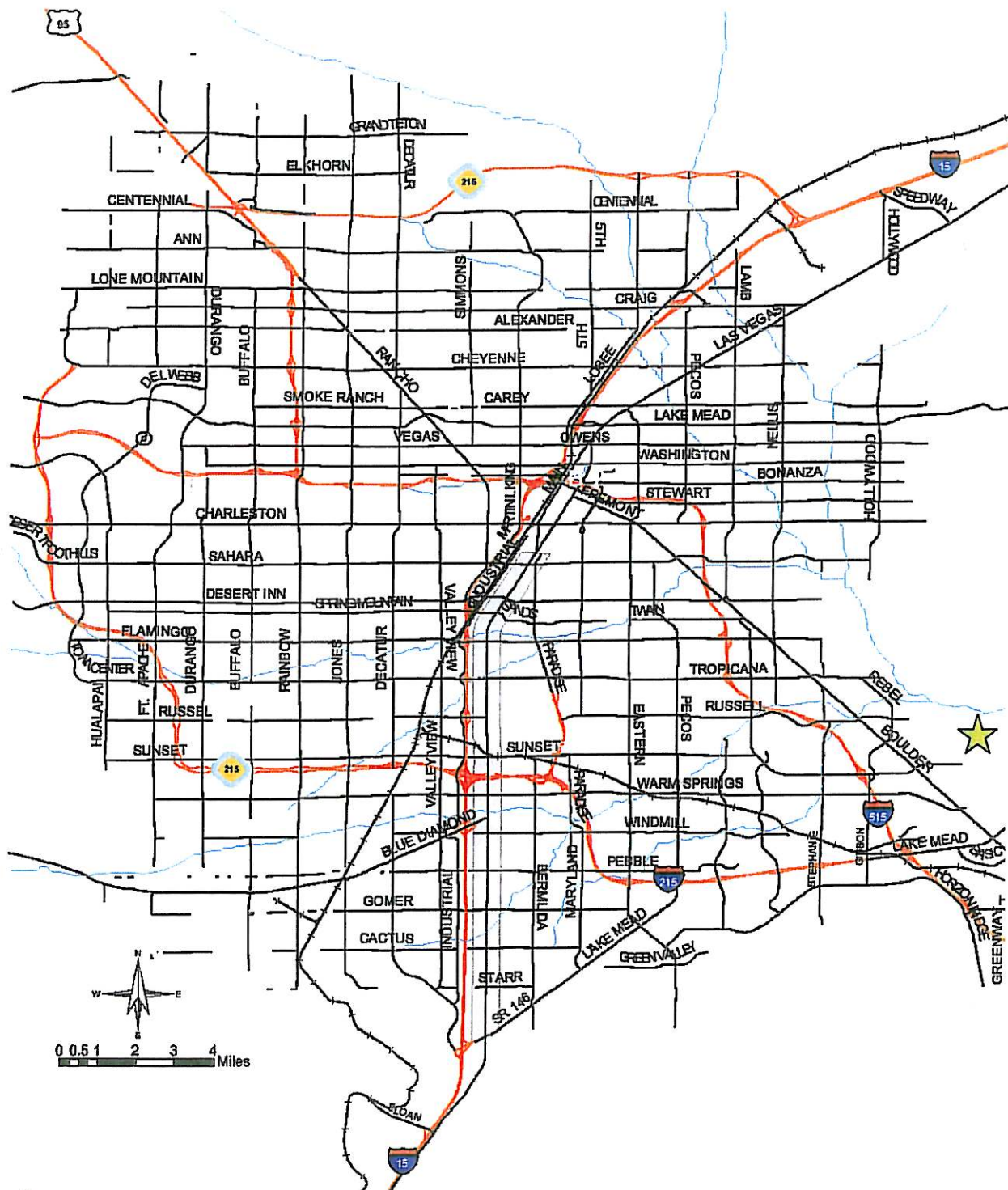
Enc.: Figures 1, 2, 3 and 4
Boring Logs (3)
Chain-of-Custody Records (4)
Tailgate Safety Meeting Forms (2)

Dist: 1 pdf copy emailed to client at sahuron@earthlink.net
1 original mailed to addressee
1 cc to project file



Kyle S. Hansen, C.E.M.
Environmental Program Manager
C.E.M. #2167

**FIGURES:
VICINITY MAP
EXPLORATION LOCATION MAPS
BORING LOGS**



★ SITE LOCATION

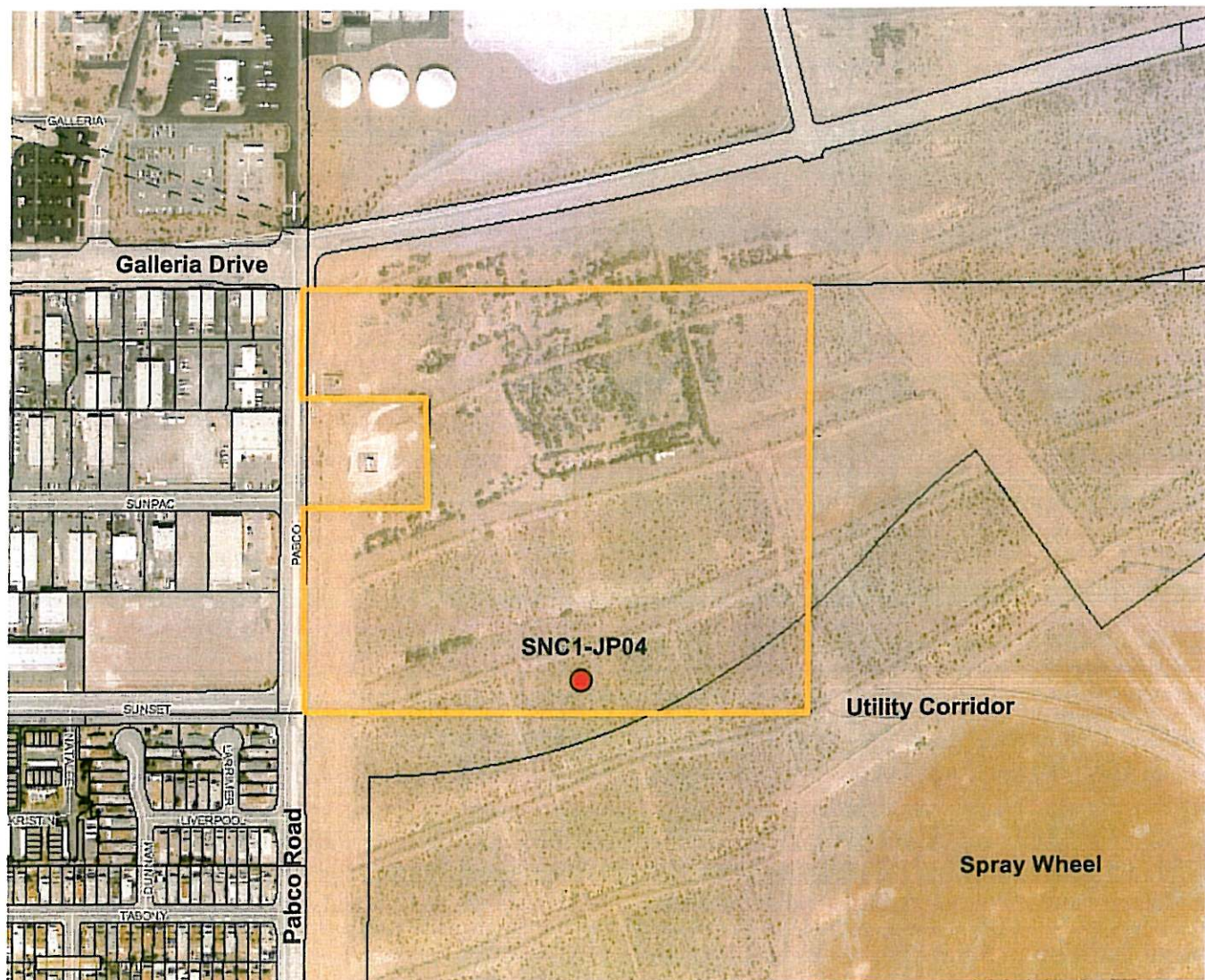


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Vicinity Map
Galleria North & Sunset North
Sub-Area

Job #20092598V1

Figure 1



● Exploration Location

□ Site Boundary

Clark County Nevada
Southern Nevada GIS
IM3.7 Aerial Photograph
Fall 2009-Spring 2009

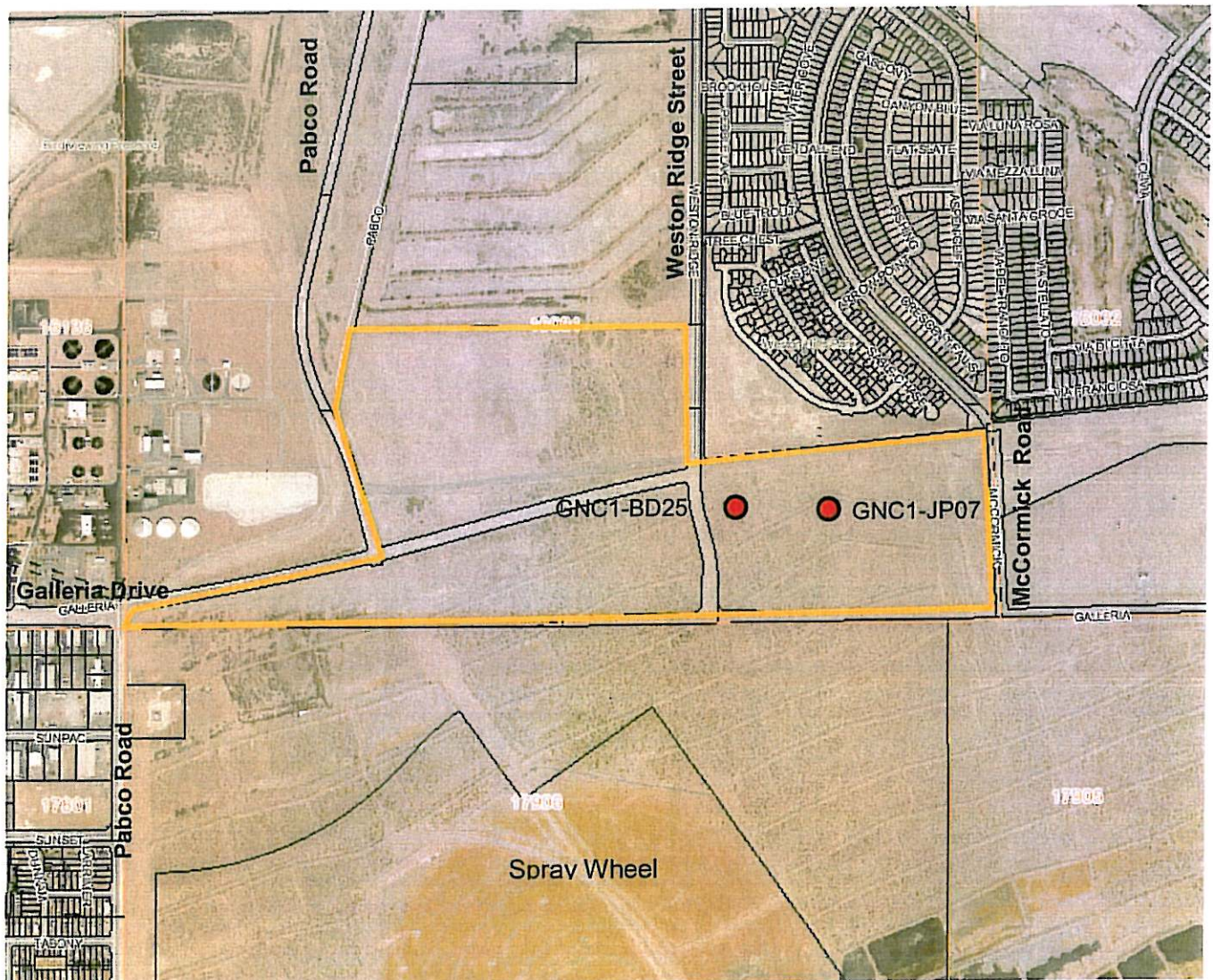


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Exploration Location Map
Sunset North Commercial Sub-Area
Las Vegas, Nevada

Job #20092598V1

Figure 2



Exploration Location



Site Boundary

Clark County Nevada
Southern Nevada GIS
IM3.7 Aerial Photograph
Fall 2009-Spring 2009



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Exploration Location Map
Galleria North Sub-Area
Las Vegas, Nevada

Job #20092598V1

Figure 3



1. Sunset North: View showing JP04 group of borings.



2. Galleria North: View showing JP07 boring group.



3. Galleria North: View showing BD25 borings group.

EXPLORATION LOG

SNC1-JP04C

PROJECT: GALLERIA & SUNSET NORTH SAMPLING
EXPLORATION LOCATION: HENDERSON, NEVADA
EXPLORATION SIZE (dia.): 6 1/4" O.D. H.S. AUGERS
ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20092598V1
EXPLORATION DATE: 9/29/09
EQUIPMENT: DIEDRICH D-50 TRACK RIG
LOGGED BY: SANCHEZ/DAVIS

INITIAL DEPTH TO WATER: NOT ENCOUNTERED
FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: NA
DATE MEASURED: NA

[illegible]

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made.
It is not intended to be representative of subsurface conditions at other locations or times.

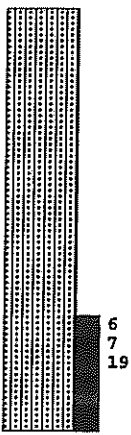
EXPLORATION LOG GNC1-JP07C

PROJECT: GALLERIA & SUNSET NORTH SAMPLING
 EXPLORATION LOCATION: HENDERSON, NEVADA
 EXPLORATION SIZE (dia.): 6 1/4" O.D. H.S. AUGERS
 ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20092598V1
 EXPLORATION DATE: 9/29/09
 EQUIPMENT: DIEDRICH D-50 TRACK RIG
 LOGGED BY: SANCHEZ/DAVIS

INITIAL DEPTH TO WATER: NOT ENCOUNTERED
 FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: NA
 DATE MEASURED: NA

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
0		SM	Light brown (7.5YR 6/3)silty SAND with gravel, dry and medium dense.						
2.5			...six-inch thick gravel layer.						
5			...PIDs: 10.6 eV = 0.0 ppmV; 11.7 eV = 0.0 ppmV.						
			END OF BORING AT 5.5 FEET						
7.5									
10									
12.5									
15									

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made.
 It is not intended to be representative of subsurface conditions at other locations or times.

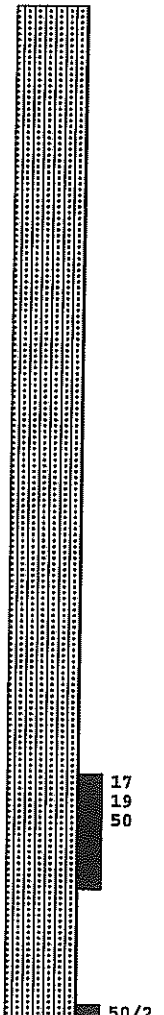
EXPLORATION LOG GNC1-BD25C

PROJECT: GALLERIA & SUNSET NORTH SAMPLING
EXPLORATION LOCATION: HENDERSON, NEVADA
EXPLORATION SIZE (dia.): 6 1/4" O.D. H.S. AUGERS
ELEVATION: EXISTING GROUND SURFACE

PROJECT NO.: 20092598V1
EXPLORATION DATE: 9/29/09
EQUIPMENT: DIEDRICH D-50 TRACK RIG
LOGGED BY: SANCHEZ/DAVIS

INITIAL DEPTH TO WATER: NOT ENCOUNTERED
FINAL DEPTH TO WATER: NOT ENCOUNTERED

DATE MEASURED: NA
DATE MEASURED: NA

ELEVATION/ DEPTH	SOIL & SAMPLE SYMBOLS	USCS	DESCRIPTION	PI	LL	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	Pocket Penetrometer (tsf)	WELL CONSTRUCTION
0		SM	Light brown (7.5YR 6/3) silty SAND with gravel, dry and medium dense.						
2.5									
5			...six-inch thick gravel layer.						
7.5									
10			...PIDs: 10.6 eV = 0.0 ppmV; 11.7 eV = 0.0 ppmV. ...weakly cemented, dry.						
12.5	50/2		END OF BORING AT 13.2 FEET						
15									

The descriptions contained within this exploration log apply only at the specific exploration location and at the time the exploration was made.
It is not intended to be representative of subsurface conditions at other locations or times.

KEY TO SYMBOLS

Symbol Description

Strata symbols



Silty sand

Soil Samplers



California sampler

Notes:

1. Exploratory borings were drilled on 9/29/09 using 6 1/4-inch outside diameter continuous flight power auger.
2. No free water was encountered at the time of drilling.

**CHAIN-OF-CUSTODY FORMS
AND
TAILGATE SAFETY MEETING FORMS**

ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON

Name: Maria Barajas-Albalawi
Address: 2525 Natomas Park Drive, Suite 350
Sacramento, CA 95833
Phone #: (916) 924-9378

LABORATORY: TestAmerica-St. Louis
Contact Person: Jerry Everett
Address: 13715 Rider Trail North
Earth City, Missouri 63045
Phone: (314) 298-8566

FED EX #:

SAMPLER(S) PRINTED NAME AND SIGNATURE
Doris Davis

Date: 9-28-05

PROJECT NAME: OPEN SPACE SUB AREA

PROJECT NUMBER: 200025504- 200525504

Container

Unpres

H2SO4

HNO3

HCl

NaOH

ZnAc/NaOH

EDA

SAMPLE ID

DATE

TIME

0647

0705

0727

0743

0802

0802

1205

1205

1238

1245

JP045-10

JP045-10

JP045-10

JP045-10

JP045-10

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ANALYSIS REQUEST

IONs* by EPA 300.0

Dioxins/Furans* by EPA 8290

Gen. Chem* (please see methods)

pH by EPA 8045C/8040B

METALS* by EPA Methods

6010B/6020/7471A/7470A

Hex chromium by EPA 7196A

OC Pesticides* by EPA 8081A

Aroclors* by EPA 8082

Congeners* by EPA 1668

Aldehydes* by EPA 8315

VOCs* by EPA 8260B

Physical Parameters 3*

Percent Moisture

Comments/Instructions:

* Please refer to Table 5 (Southern Ribs Sampling: emailed on October 17, 2008)

1 Analyze at TA-Sacramento

2 Analyze at TA-Nashville

3 Analyze at TA-Burlington

4 Please report results in dry weight, therefore all soil will require % moisture testing.

5 Extract samples for Aroclors by 8082 only. If sum of the congeners result (method 1668) is greater than 33 ppb, please analyze for aroclors by 8082

Signature:

Print Name:

Company Name/Title:

Date:

Time:

RELINQUISHED BY:

RECEIVED BY:

RELINQUISHED BY:

RECEIVED BY:

For Lab Use Only: Sample Condition Upon Receipt:

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

Cur 105

ERM CHAIN OF CUSTODY RECORD

ERM CONTACT PERSON

Name: Maria Barajas-Albalawi
Address: 2525 Natomas Park Drive, Suite 350
Sacramento, CA 95833
Phone #: (916) 924-9378

LABORATORY: TestAmerica-St. Louis
Contact Person: Jerry Everett
Address: 13715 Rider Trail North
Earth City, Missouri 63045
Phone: (314) 298-8566

FED EX #:

Date: 9-23-08

SAMPLER(S) PRINTED NAME AND SIGNATURE

Doug Davis
Gallatin North, Sunset North Sampling RC
PROJECT NAME: ~~SOUTHERN RIBS SUB-ARETE CAMPFIRE~~
PROJECT NUMBER: 20092474V1 2009245841 Container

ANALYSIS REQUEST

Drs Davis / <i>[Signature]</i>										Gallatin North / Sunset North Sampling / RC									
PROJECT NAME: SOUTHERN RIBS SUB-AQUATIC CHIRONOMIDS																			
PROJECT NUMBER: 20092474V1										20092584V1									
Container																			
SAMPLE ID										TIME									
JP07C-4605										12:55									
JP07C-4605										13:00									
JP07S-4										13:15									
JP07W-4										13:22									

Comments/Instructions:

- * Please refer to Table 5 (Southern Ribs Sampling: emailed on October 17, 2008)
- ¹ Analyze at TA-Sacramento
- ² Analyze at TA-Nashville
- ³ Analyze at TA-Burlington
- ⁴ Please report results in dry weight, therefore all soil will require % moisture testing.
- ⁵ Extract samples for Aroclors by 8082 only. If sum of the congeners result (method 1668) is greater than 33 ppb, please analyze for aroclors by 8082

RELINQUISHED BY:	Signature: <i>Doug Davis</i>	Print Name: Doug Davis	Company Name/Title: GSA/Geo	Date: 9-23-08	Time: 145
RECEIVED BY:	Signature: <i>Craig Roberts</i>	Print Name: Craig Roberts	Company Name/Title: GSA/Geo	Date: 10/1/9	Time: 0915
RELINQUISHED BY:					
RECEIVED BY:					

For Lab Use Only: Sample Condition Upon Receipt

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

ERM CONTACT PERSON

Name: Maria Barajas-Albalawi
Address: 2525 Natomas Park Drive, Suite 350
Sacramento, CA 95833
Phone #: (916) 924-9378

LABORATORY: GEL Laboratories, LLC

Contact Person: Amanda Rasco
Address: 2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171

FED EX #:

Date: 7-30-08

SAMPLER(S) PRINTED NAME AND SIGNATURE

Doris Dears 10/2/20

ANALYSIS REQUEST

[illegible]

Comments/Instructions:

* ~~Placed in a box of 100 and then the box was emptying out and the box was empty.~~
~~Placed in a box of 100 and then the box was emptying out and the box was empty.~~

Signature:

Signature

Print Name:

David Davis

Company Name/Title:

Date: _____ Time: _____

170V	10-25-07
	30

RELINQUISHED BY:

RECEIVED BY:

For Lab Use Only: Sample Condition Upon Receipt:

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

ERM CONTACT PERSON

LABORATORY: TestAmerica, St. Louis

Contact Person: Jerry Everett

Address: 13715 Rider Trail North

Earth City, Missouri 63045

Phone: (314) 298-8566

Date: 9-30-09

80822 EPA A 16 A 83 0B S 3

by EPA
EPA/
EPA/
82600
9

[illegible]

Comments/Instructions:

001-17-0003

Analyze at TA-Sacramento

2. Analyze at TA-Nashville

Analyze at TA-Burdington

Signature: _____

Signature: _____

Print Name: _____

RELINQUISHED BY: <i>[Signature]</i>		Print Name:		Company Name/Title:		Date:		Time:	
RECEIVED BY:		<i>Dr. J. Davis</i>		<i>6/13/05</i>		<i>9-21-05</i>		<i>07:00</i>	

RELINQUISHED BY:			
RECEIVED BY:			

For Lab Use Only: Sample Condition Upon Receipt:

ORIGINAL: Send with sample (sign only in blue or black ink)

COPIES: Retained by Sampler, Sent to Office

TAILGATE SAFETY MEETING FORM

Date: 9-25-09 Time: 0630 Job Number: 2009259841Client: BRC

Site Specific Location: _____

Safety Topics Presented

Protective Clothing/Equipment: Level 1 DPEChemical Hazards: Residual chemicals/metals in soil - see analytical list on C-O-CG for details.Physical Hazards: Heat, slip, trip, falls,Special Equipment: NoneOther: Some wildlife - biting insects, snakes, coyotes.Emergency Procedures: call 911Hospital: St. Rose Phone: _____ Ambulance Phone: 911Hospital Address and Route: Boulder Hwy and Lake Mead.

ATTENDEES

NAME PRINTED

Doug Davis
Clint Dickson
Eduardo Luis

SIGNATURE

[Signature]
Clint Dickson
Eduardo LuisMeeting Conducted By: Doug Davis
Name Printed

Signature

On-Site Safety Officer: Doug DavisProject Manager: Richard Cooke

TAILGATE SAFETY MEETING FORM

Date: 9-30-09 Time: 0630 Job Number: 200925841Client: BRCSite Specific Location: Gallenc E Sunset

Safety Topics Presented

Protective Clothing/Equipment: Level 1 PPEChemical Hazards: Residual chemicals/metals in soil - seePhysical Hazards: analytical list on C-O-CG for details.
Heat, slip, trip, fallsSpecial Equipment: NoneOther: Some wildlife - biting insects, snakes, coyotes.Emergency Procedures: Call 911Hospital: St. Rose Phone: _____ Ambulance Phone: 911Hospital Address and Route: Boilder Hwy and Lake Mead.

ATTENDEES

NAME PRINTED

Doug Davis
Walker McKen
Clint Backum
Eduardo Luis

SIGNATURE

Doug Davis
Walker McKen
Clint Backum
Eduardo Luis

_____Meeting Conducted By: Doug Davis
Name PrintedDoug Davis
SignatureOn-Site Safety Officer: Doug DavisProject Manager: Richard Cooke