McGinley & Associates

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January 30, 2014

VIA E-MAIL

Division of Environmental Protection
Bureau of Water Quality Planning
901 South Stewart Street, Suite 30001
Carson City, Nevada 89701

ATTN: Mr. John Heggeness

RE: Public Comment to the Draft Nevada 2012 Water Quality Integrated Report

Dear Mr. Heggeness:

Diamond X Ranch LLC ("Diamond X") submits these Comments in response to the Draft Nevada 2012 Water Quality Integrated Report (the "Report"). In particular, Diamond X writes to express concern regarding the Report's description of Bryant Creek as a Category 1 waterbody in which all designated uses are supported. Report, Attachment 3a p. 19. Long term contamination of Bryant Creek is continuing, federal agency sampling has indicated water quality exceedances within the Report evaluation period. At a minimum, the available data and information indicate that Bryant Creek stream segments do not fully support aquatic life.

Bryant Creek is down gradient and downstream from the Leviathan Mine (the "Mine") in California and has historically experienced severe contamination as a result. Surface and groundwater flowing from the Mine and waste piles creates acid mine drainage ("AMD"), which contains dangerous concentrations of numerous metals. The release of AMD from the Mine is only controlled at all during warm months and is never entirely controlled. Thus, contamination continues to reach the streams downstream from the Mine, including Bryant Creek. In 2012, Diamond X found evidence of newly water-deposited Mine contamination on its property adjacent to Bryant Creek. Metal concentrations were elevated enough to require reporting to the Nevada Division of Environmental Protection.[1] Accordingly, Diamond X believes that the Report's findings with respect to Bryant Creek are incorrect.

The Mine is located on the eastern slope of the Sierra Nevada in Alpine County, California, less than five miles from California's border with Nevada. The Mine was originally operated as an

[1] Ex. 1, Aug. 28, 2012 Disclosure letter to NDEP.

underground copper sulfate mine but was converted into an open-pit sulfur mine in 1951, thereby greatly expanding its exposed surface area and enabling infiltration of precipitation. Between 1953 and 1956, when the mine ceased operations, approximately 500,000 tons of sulfur were extracted from the mine and roughly 22 million tons of crushed waste rock containing high levels of sulfur ore were spread over and down-gradient of the Mine property. As a result, at least 253 acres of mining waste and mining-related disturbed land are exposed to surface and ground water and generate AMD.

The Mine is at the top of a watershed and discharges AMD directly and through infiltration into Leviathan, Aspen, Mountaineer, and Bryant Creeks—in both California and Nevada. As a consequence, these water bodies, including Bryant Creek, have been contaminated with dangerous levels of hazardous substances including arsenic, antimony, beryllium, cadmium, chromium, cobalt, copper, mercury, nickel, selenium, and thallium.

The United States Environmental Protection Agency ("EPA") has designated the Mine and surrounding areas as a Superfund Site under the Comprehensive Environmental, Response, Compensation and Liability Act, 42 U.S.C. §§9601, *et seq*. The EPA and the California Water Resources Control Board have been involved in cleanup at the Mine for many years. Thus, the ongoing contamination from the Mine is well documented. For example, evaporation ponds were constructed on the Mine property in an attempt to contain some of the Mine AMD. However, the ponds have insufficient capacity for all of the contaminated water and continue periodically to overflow. Additionally, the ponds do not operate during the winter months. Thus, releases of AMD originate from evaporation pond overflow, and from multiple other identified sources including multiple drain systems and known and unidentified cracks, fissures, and seeps that carry AMD downgradient into numerous tributaries of the East Fork of the Carson River, including Bryant Creek.

The Mine operator, ARCO, currently removes an estimated 180 tons of sludge each year, through its sludge dewatering program. The sludge is so contaminated that it is treated as hazardous waste and disposed of offsite, likely at the Beatty, Nevada hazardous waste treatment and disposal site. Any water coming into contact with the waste at the site is similarly hazardous and carries its contamination downgradient and downstream.

In the last fifteen years the U.S. Fish and Wildlife Service ("USFWS") has conducted water sampling and fish testing in the Mine watershed and observed exceedances of aluminum, cadmium, copper, iron, manganese, nickel and sulfate at Bryant Creek sampling stations, as well as adverse impacts to trout and ceriodaphnia dubia.[2] The most recent aquatic toxicity tests conducted by the USFWS demonstrate water quality violations and continuing injury to aquatic life caused by releases from the Mine. Specifically, in the Summer and Fall 2011 sampling, the USFWS found water quality exceedances of sulfate at the Bryant Creek sampling locations and aluminum exceedances in Summer of 2011. USFWS also determined that the toxicity observed there "is of concern."[3] Thus, the currently available data from the USFWS and Diamond X's

[2] Ex. 2, USFWS Dec. 2012 Leviathan Mine Technical Advisory Committee Presentation. http://yosemite.epa.gov/r9/sfund/r9sfdocw.nsf/3dc283e6c5d6056f88257426007417a2/f8404666fcaece1e88257b2b00818da4!OpenDocument (last viewed January 29, 2014).

[3] *Id.*

own testing, demonstrate that Mine contamination continues to reach—and impair—Bryant Creek.

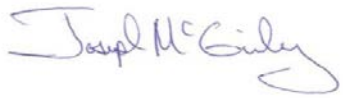
Moreover, the NDEP assessment of Bryant Creek is incomplete. During the assessment period, Bryant Creek waters were sampled and tested only for arsenic, iron, nickel, total suspended solids and turbidity. Report, Attachment 6 p. 2. This is an incomplete analysis since Mine AMD discharges are known to be contaminated with numerous and dangerous constituents including aluminum, antimony, arsenic, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, mercury, nickel, selenium, sulfuric acid, thallium and, zinc.

Additionally, the report does not state when the Bryant Creek sampling was completed. As noted above, capture and treatment of AMD at the Mine only occurs during the warm months. If the NDEP Bryant Creek sampling occurred during the Mine treatment season, the results do not reflect the contamination present during the winter months, when AMD discharge from the Mine is not treated.

Because the results contained in the Report do not reflect the existence of known contaminants, testing for other likely contaminants, or the seasonal fluctuations in Bryant Creek contamination, Diamond X requests that the Report be modified to reflect the ongoing contaminated and impaired condition of at least Bryant Creek Segment 1798: Bryant Creek Near the State Line (NAC 445A.1798). The current draft of the Report does not satisfy NDEP's obligation to conduct a comprehensive analysis of Nevada's surface waters under the CWA. 33 U.S.C. § 1315.

Thank you in advance for your considerations. Please do not hesitate to contact me with any questions.

Respectfully submitted,
McGinley & Associates, Inc.



Joseph McGinley, PE, PG, CEM
Principal

EXHIBIT 1

McGinley & Associates

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August 28, 2012

David Friedman
Nevada Division of Environmental Protection
Bureau of Corrective Actions
901 S. Stewart Street, Suite 305
Carson City, NV 89701-5249

RE: Soil Samples
Diamond X Ranch

Dear Mr. Friedman:

On behalf of the owners of the Diamond X Ranch, I am submitting soil sampling results that were collected on Monday August 6, 2012, by MGA personnel. Specifically, a total of 17 soil samples were collected, with one sample in triplicate, from previously flood irrigated areas and nine background samples from non-irrigated areas at the Diamond X Ranch in Gardnerville, NV. Samples from flood irrigated areas are designated as ALT002-SS1 through ALT002-SS17 while the background samples are designated as ALT002-BG1 through ALT002-BG9. Figure 1 is a base map of the Diamond X parcels while Figure 2 presents the location of each sample collected. All samples were sent to Alpha Analytical Laboratory of Sparks, Nevada for CAM-17 metals analysis. Samples ALT002-SS15, 16, and 17 were collected from the confluence of the Bryant Creek and the East Fork of the Carson River in Parcel 8 (Figure 6), in areas recently visibly stained with a whitish-crystalline material.

Each sample was collected using a 6-inch hand trowel and homogenized in the field prior to placement in a sample container, sealed, and sent to the laboratory for analysis. Table 1 presents the results of the ALT002-SS series samples while Table 2 presents the background samples (series ALT002-BG). Attachment 1 contains the original laboratory analytical sheets. Please note that these data have yet to be validated.

Comparison of the metals concentrations in samples collected from the flood-irrigated areas to those of the background samples shows that several metals are elevated above background, demonstrating that contamination has occurred on the Diamond X Ranch property as a result of the irrigation with Bryant Creek waters. Please feel free to contact me with any questions you may have regarding these samples.

Sincerely,

for

Joe M. McGinley, P.E., CEM
McGinley & Associates, Inc.
Principal

Table 1. Concentration of CAM-17 Metals in Soil Samples Collected from the Diamond X Ranch Parcels 6 and 8.

	Sample Identification																		
Analyte	ALT002-SS1 mg/kg	ALT002-SS2 mg/kg	ALT002-SS3 mg/kg	ALT002-SS4 mg/kg	ALT002-SS5 mg/kg	ALT002-SS6 mg/kg	ALT002-SS7 mg/kg	ALT002-SS8 mg/kg	ALT002-SS9 mg/kg	ALT002-SS10 mg/kg	ALT002-SS11 mg/kg	ALT002-SS12 mg/kg	ALT002-SS13A mg/kg	ALT002-SS13B mg/kg	ALT002-SS13C mg/kg	ALT002-SS14 mg/kg	ALT002-SS15 mg/kg	ALT002-SS16 mg/kg	ALT002-SS17 mg/kg
Antimony	2.4	2.6	2.2	2.6	3	2.4	1.4	1.8	2.2	1.3	1.5	8.1	1.8	1.7	2.2	2	<1.2	<1.3	<1.2
Arsenic	430	370	350	380	300	380	150	240	300	270	270	170	220	230	240	380	15	15	7.9
Barium	410	450	330	380	360	380	360	320	370	250	330	350	330	360	290	300	270	310	200
Beryllium	1.7	1.7	1.3	1.3	1.2	2	1.2	1.2	1.7	1.4	1.4	1.7	1.7	2	1.8	1.7	<1.2	<1.3	<1.2
Cadmium	2.2	1.9	1.9	1.4	<1.1	1.5	<1.1	<1.1	<1.2	1.1	<1.1	1.2	1.2	1.2	1.3	1.5	<1.2	<1.3	<1.2
Chromium	86	77	60	62	54	90	59	61	65	60	67	63	65	760	63	78	26	33	27
Cobalt	56	53	59	76	82	120	73	78	100	120	91	42	54	59	58	93	12	7.6	13
Copper	180	180	150	130	130	190	99	120	150	160	130	120	140	150	150	180	21	21	24
Lead	19	20	17	18	18	20	15	17	19	12	15	15	25	18	14	16	12	9.7	6.6
Mercury	1.5	1.9	1.4	1.6	1.6	1.5	0.56	1	1.4	0.49	0.68	1.2	0.74	0.75	0.89	1.1	<1.2	<.25	<0.24
Molybdenum	2	2	2.1	2.3	2.2	1.8	1.8	1.7	1.8	1.5	1.3	1.2	<1.1	<1.1	1.8	1.6	<1.2	<1.3	<1.2
Nickel	110	100	110	130	99	190	100	130	190	170	160	110	130	140	140	180	8.9	8.5	17
Selenium	6.2	6.8	5.2	5.6	6.7	7.1	3.1	5.4	7	4.1	6.3	7.2	5.6	5.8	6	5.1	<1.2	<1.3	<1.2
Silver	<1.2	<1.2	<1.1	<1.1	<1.1	<1.2	<1.1	<1.1	<1.2	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.2	<1.3	<1.2
Thallium	7.1	9.7	8.8	8.3	12	13	7.4	11	10	9.1	7.5	5.3	5.7	5.9	8.2	9.8	<1.2	<1.3	<1.2
Vanadium	120	120	110	96	74	120	110	90	96	93	110	99	96	110	92	110	73	84	97
Zinc	91	93	83	78	63	110	79	75	92	94	90	93	92	110	98	100	52	44	65

Table 2 Concentration of CAM-17 Metals in Background Soil Samples Collected from the Diamond X Ranch Parcels 6 and 8.

Analyte	Sample Identification									Minimum Detection	Maximum Detection
	ALT002-BG1 mg/kg	ALT002-BG2 mg/kg	ALT002-BG3 mg/kg	ALT002-BG4 mg/kg	ALT002-BG5 mg/kg	ALT002-BG6 mg/kg	ALT002-BG7 mg/kg	ALT002-BG8 mg/kg	ALT002-BG9 mg/kg	mg/kg	mg/kg
Antimony	<1.1	<1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	1.2	1.2
Arsenic	23	26	8.3	25	19	23	13	11	59	8.3	59
Barium	230	220	200	250	270	280	350	300	340	200	350
Beryllium	<1.1	<1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.1
Cadmium	<1.1	<1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.1
Chromium	37	35	22	20	20	32	29	31	28	20	37
Cobalt	22	24	14	4	5.2	12	12	12	12	4	24
Copper	43	35	26	51	62	52	27	26	37	26	62
Lead	12	13	8.3	11	11	8.6	10	10	11	8.3	13
Mercury	<0.23	<0.21	<0.21	<0.21	<0.20	<0.21	<0.21	<0.20	<0.2	<0.2	<0.23
Molybdenum	1.2	3.7	1.1	2	1.6	1.8	1	<1.0	2	1	3.7
Nickel	22	22	16	5.9	6.5	16	16	15	17	5.9	22
Selenium	1.2	<1.1	<1.0	2.8	2	2.3	<1.0	<1.0	<1.0	1.2	2.8
Silver	<1.1	<1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.1
Thallium	<1.1	<1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.1
Vanadium	130	110	71	55	53	79	96	100	120	53	130
Zinc	95	87	58	33	37	59	83	91	99	33	99

RIVER RANCH - MAY 2012

Douglas County, Nevada and Alpine County, California. Owned by Diamond X Ranch LLC

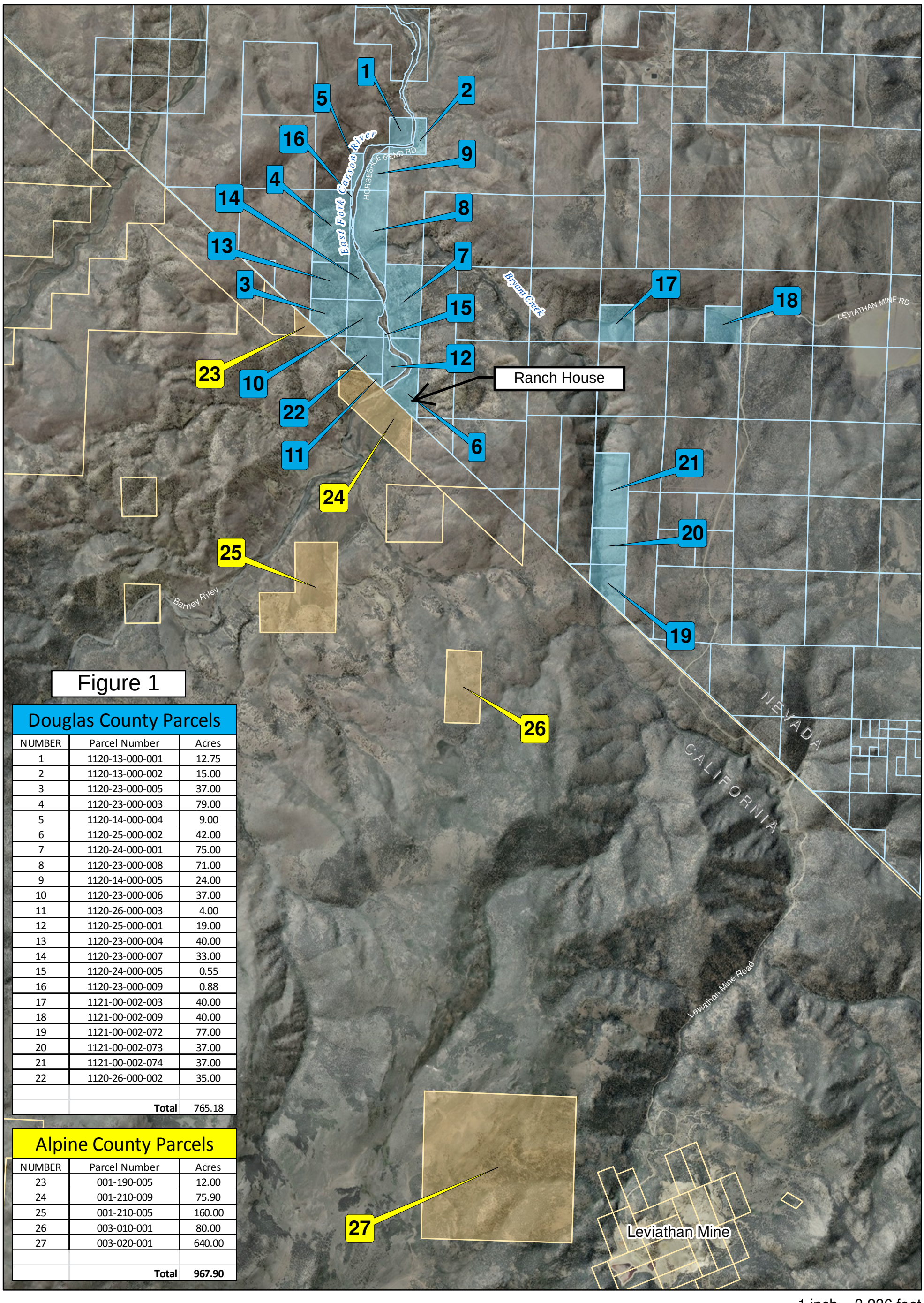

Figure 1

Douglas County Parcels

NUMBER	Parcel Number	Acres
1	1120-13-000-001	12.75
2	1120-13-000-002	15.00
3	1120-23-000-005	37.00
4	1120-23-000-003	79.00
5	1120-14-000-004	9.00
6	1120-25-000-002	42.00
7	1120-24-000-001	75.00
8	1120-23-000-008	71.00
9	1120-14-000-005	24.00
10	1120-23-000-006	37.00
11	1120-26-000-003	4.00
12	1120-25-000-001	19.00
13	1120-23-000-004	40.00
14	1120-23-000-007	33.00
15	1120-24-000-005	0.55
16	1120-23-000-009	0.88
17	1121-00-002-003	40.00
18	1121-00-002-009	40.00
19	1121-00-002-072	77.00
20	1121-00-002-073	37.00
21	1121-00-002-074	37.00
22	1120-26-000-002	35.00
	Total	765.18

Alpine County Parcels

NUMBER	Parcel Number	Acres
23	001-190-005	12.00
24	001-210-009	75.90
25	001-210-005	160.00
26	003-010-001	80.00
27	003-020-001	640.00
	Total	**967.90**

1 inch = 3,236 feet

2,500 1,250 0 2,500 5,000 7,500 10,000 Feet

N W E S

Print Date: 5/9/2012 - - File Name: PROPERTY_CUSTOM_ALTA-CONSULTING_5749_11x17

The data contained herein has been compiled on a geographic information system for the use of Douglas County. The data does not represent survey delineation and should not be construed as a replacement for the authoritative source, plat maps, deeds, resurveys, etc. No liability is assumed by Douglas County as to the sufficiency or accuracy of the data.

DOUGLAS COUNTY GIS

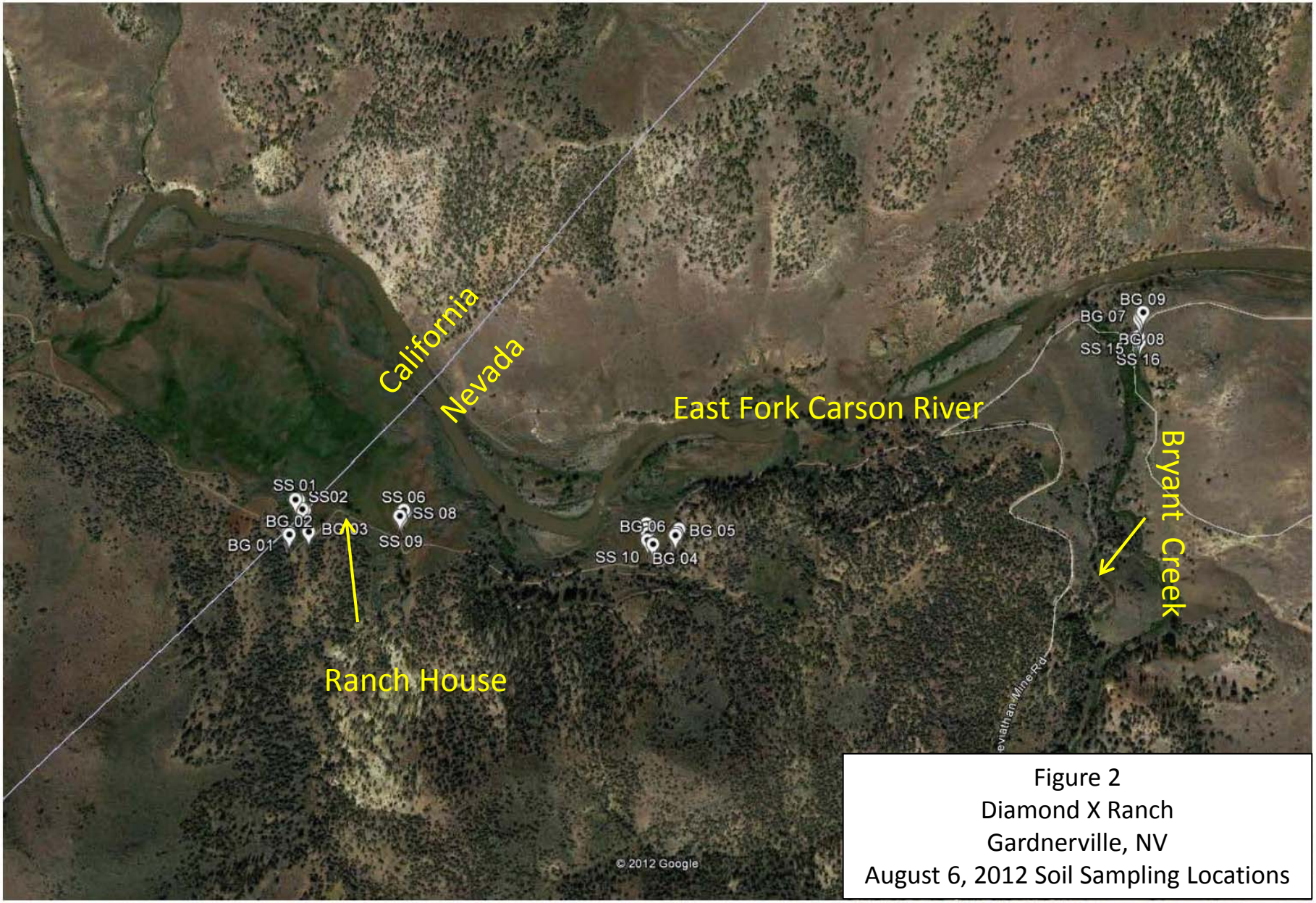

Figure 2
Diamond X Ranch
Gardnerville, NV
August 6, 2012 Soil Sampling Locations

Google earth

miles 1
km 1

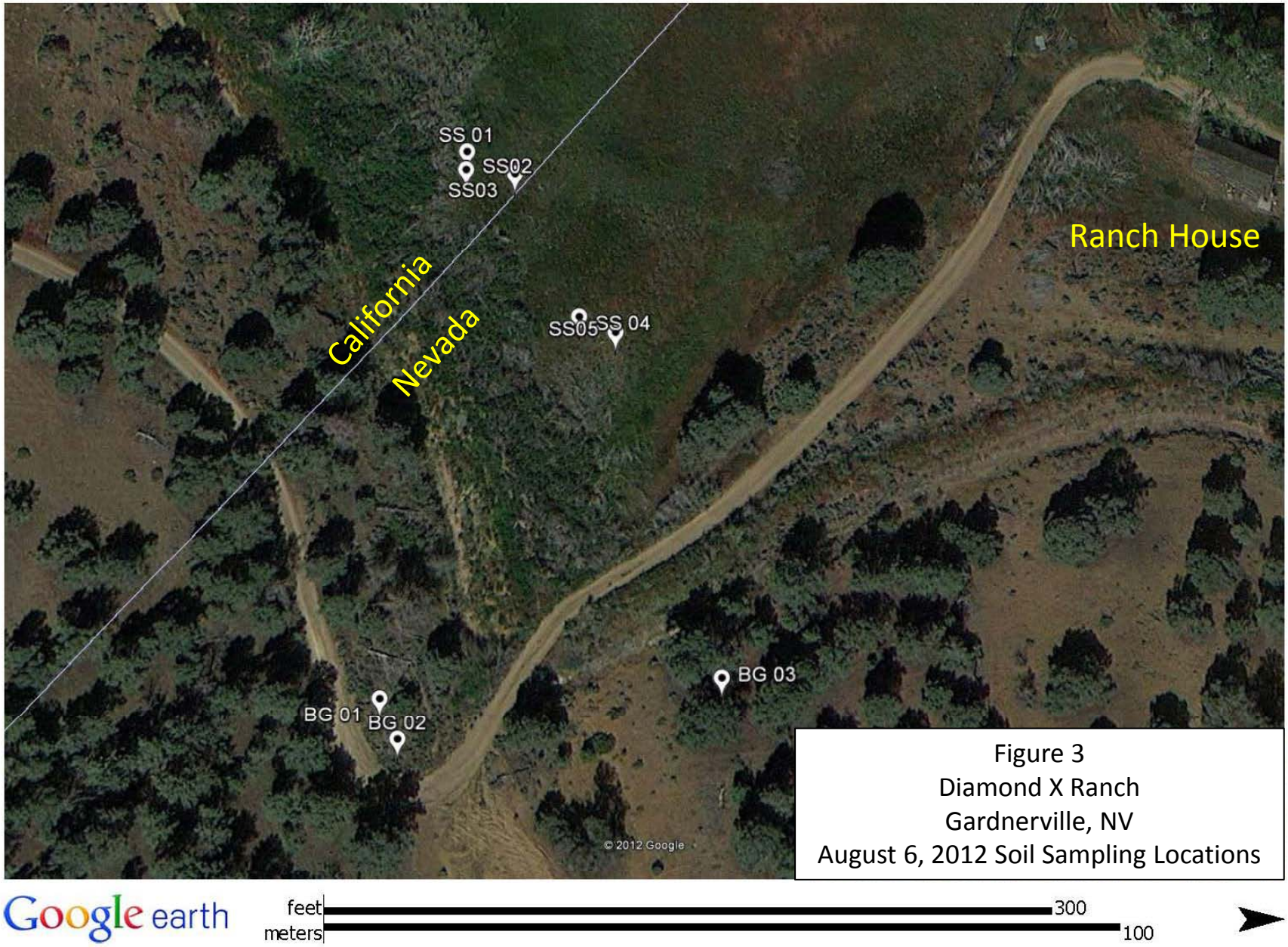

Figure 3
Diamond X Ranch
Gardnerville, NV
August 6, 2012 Soil Sampling Locations

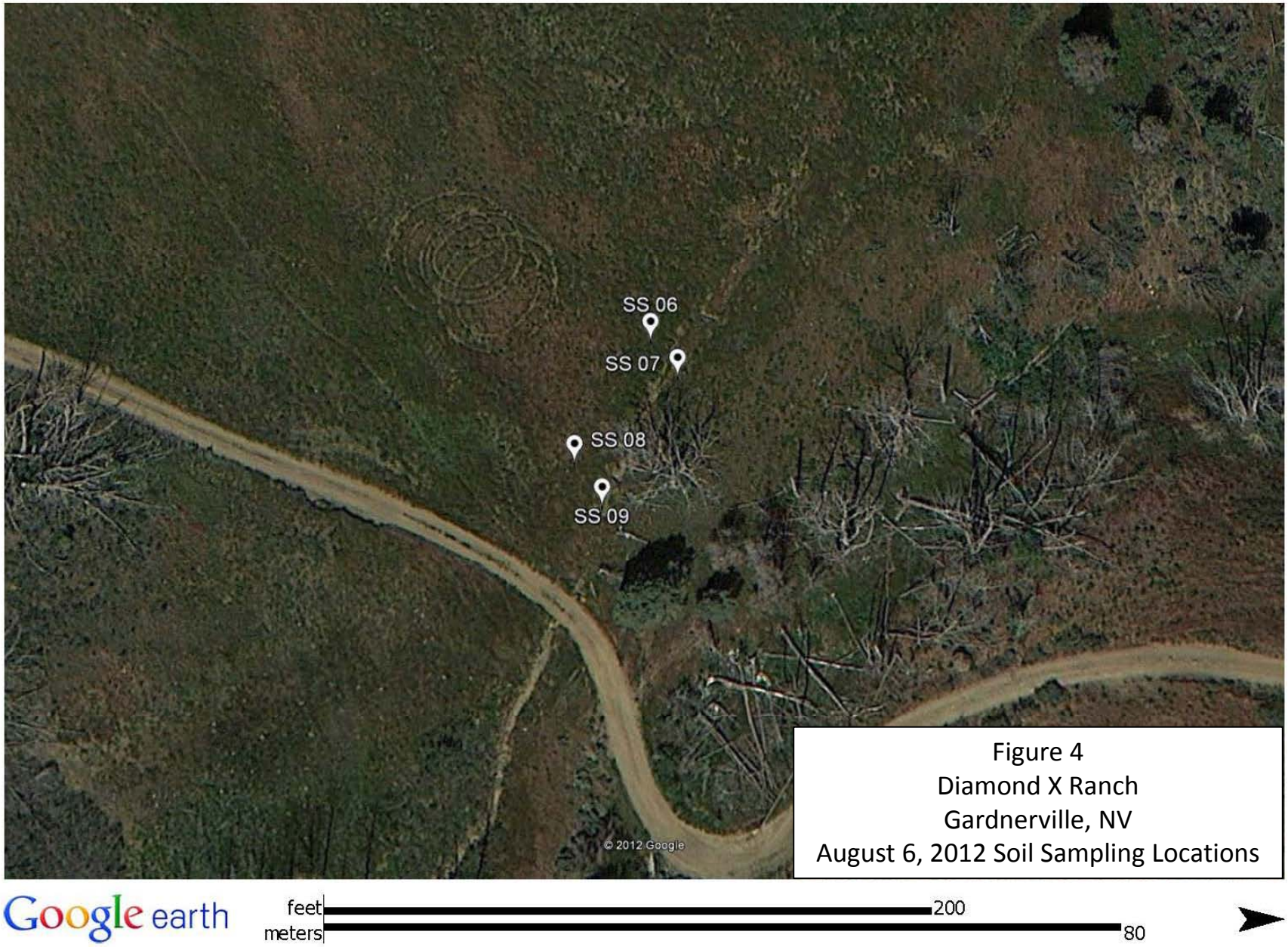

Figure 4
Diamond X Ranch
Gardnerville, NV
August 6, 2012 Soil Sampling Locations

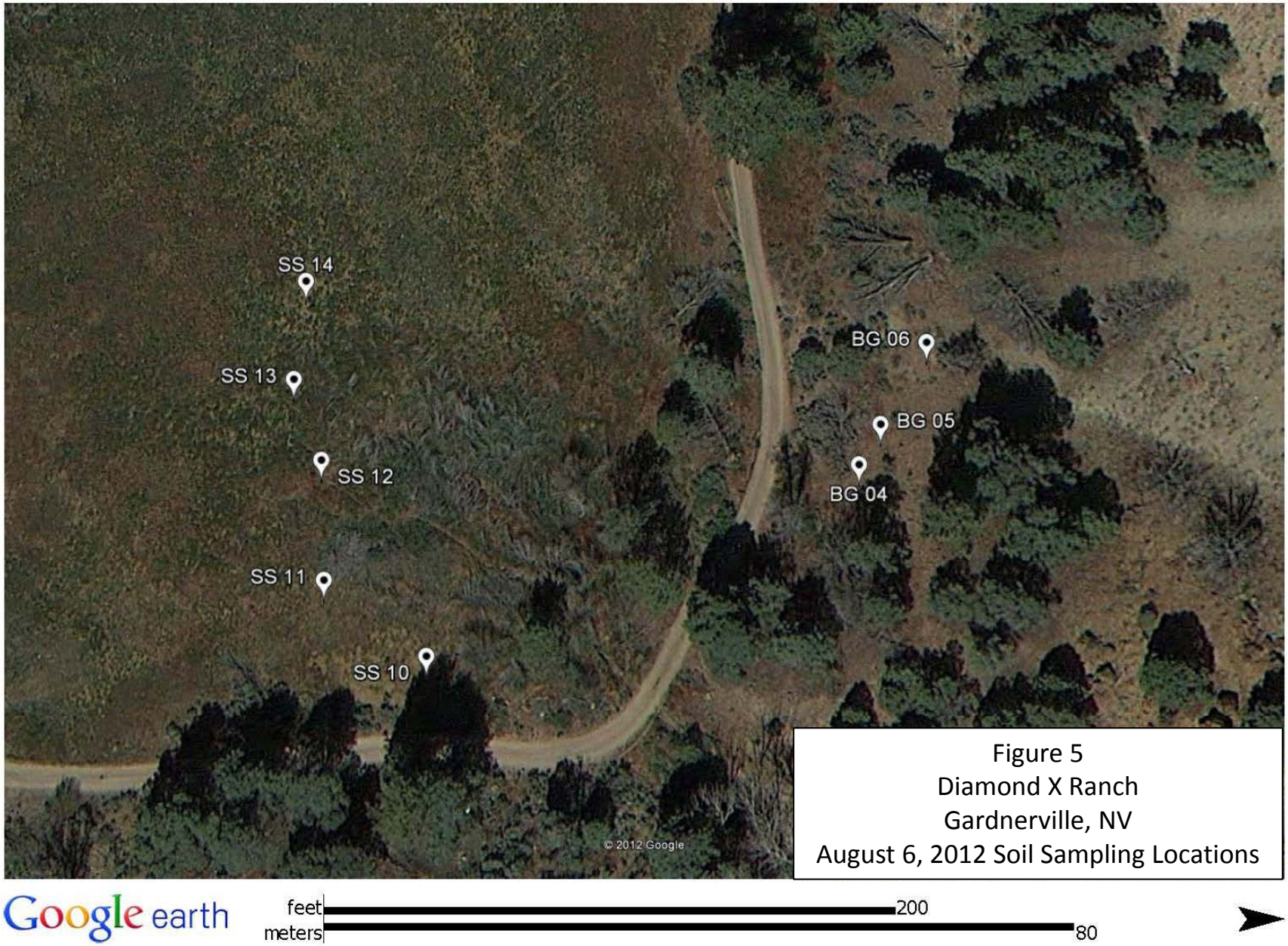

Figure 5
Diamond X Ranch
Gardnerville, NV
August 6, 2012 Soil Sampling Locations

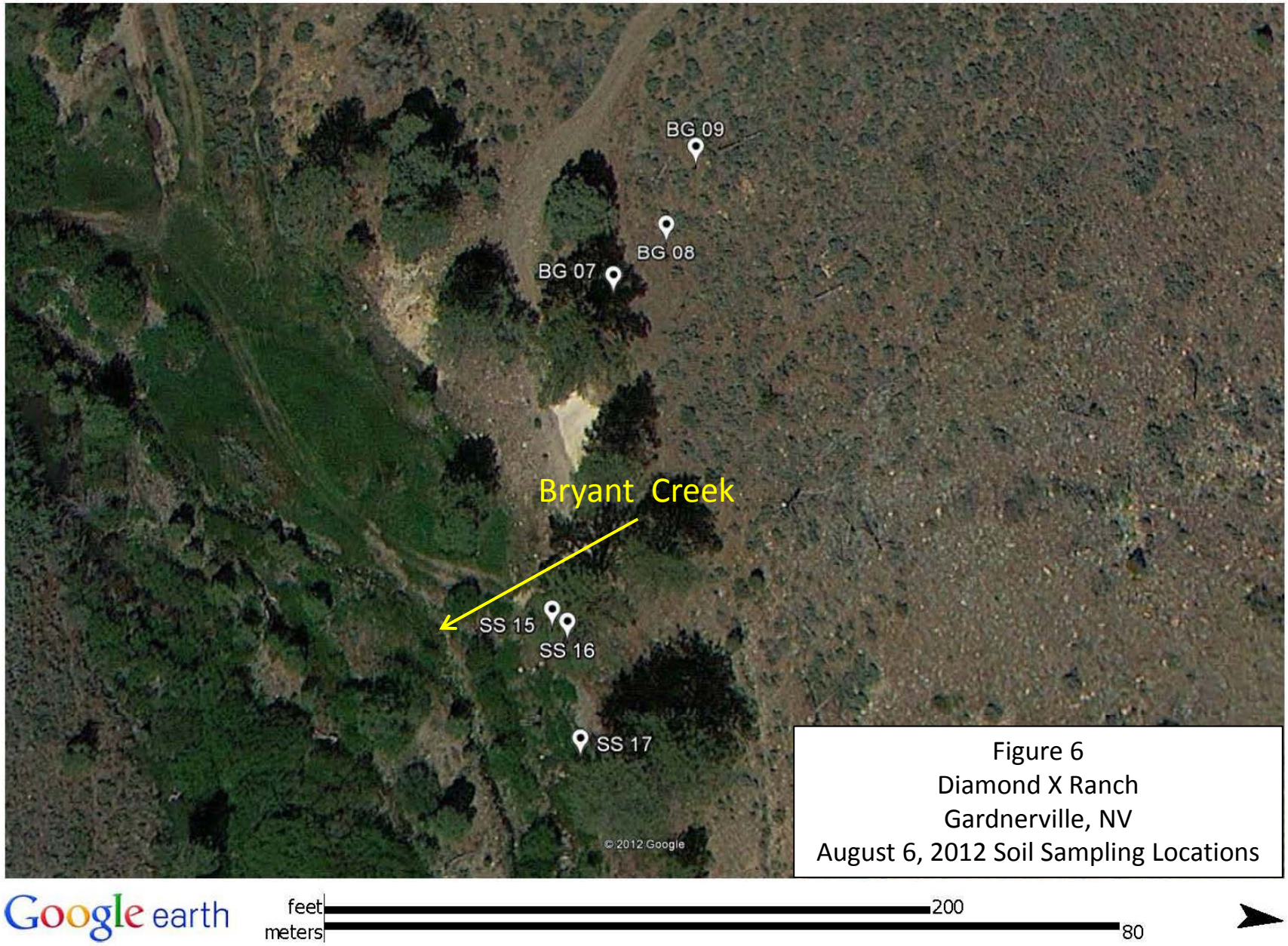

Figure 6
Diamond X Ranch
Gardnerville, NV
August 6, 2012 Soil Sampling Locations

Attachment 1

Laboratory Sheets

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

McGinley & Associates, Inc.
815 Maestro Drive
Reno, NV 89511

Attn: Kurt Fehling
Phone: (775) 829-2245
Fax: (775) 829-2213
Date Received : 08/07/12

Job: ALT002/Diamond X Properties

Percent Moisture
ASTM D2216

Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: **ALT002-SS1** Lab ID : MGA12080820-01A Percent Moisture Date Sampled 08/06/12 10:05	15	0.10 %	08/14/12	08/14/12
Client ID: **ALT002-SS2** Lab ID : MGA12080820-02A Percent Moisture Date Sampled 08/06/12 10:10	13	0.10 %	08/14/12	08/14/12
Client ID: **ALT002-SS3** Lab ID : MGA12080820-03A Percent Moisture Date Sampled 08/06/12 10:18	11	0.10 %	08/14/12	08/14/12
Client ID: **ALT002-SS4** Lab ID : MGA12080820-04A Percent Moisture Date Sampled 08/06/12 10:22	12	0.10 %	08/14/12	08/14/12
Client ID: **ALT002-SS5** Lab ID : MGA12080820-05A Percent Moisture Date Sampled 08/06/12 10:28	13	0.10 %	08/14/12	08/14/12
Client ID: **ALT002-SS6** Lab ID : MGA12080820-06A Percent Moisture Date Sampled 08/06/12 10:40	15	0.10 %	08/14/12	08/14/12
Client ID: **ALT002-SS7** Lab ID : MGA12080820-07A Percent Moisture Date Sampled 08/06/12 10:45	7.9	0.10 %	08/14/12	08/14/12
Client ID: **ALT002-SS8** Lab ID : MGA12080820-08A Percent Moisture Date Sampled 08/06/12 10:55	12	0.10 %	08/14/12	08/14/12
Client ID: **ALT002-SS9** Lab ID : MGA12080820-09A Percent Moisture Date Sampled 08/06/12 11:00	14	0.10 %	08/14/12	08/14/12
Client ID: **ALT002-SS10** Lab ID : MGA12080820-10A Percent Moisture Date Sampled 08/06/12 11:40	7.7	0.10 %	08/14/12	08/14/12
Client ID: **ALT002-SS11** Lab ID : MGA12080820-11A Percent Moisture Date Sampled 08/06/12 11:45	9.2	0.10 %	08/14/12	08/14/12

Alpha Analytical, Inc.

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Client ID: **ALT002-SS12**					
Lab ID : MGA12080820-12A	Percent Moisture	9.5	0.10 %	08/14/12	08/14/12
Date Sampled 08/06/12 11:50					
Client ID: **ALT002-SS13A**					
Lab ID : MGA12080820-13A	Percent Moisture	12	0.10 %	08/14/12	08/14/12
Date Sampled 08/06/12 11:55					
Client ID: **ALT002-SS13B**					
Lab ID : MGA12080820-14A	Percent Moisture	12	0.10 %	08/14/12	08/14/12
Date Sampled 08/06/12 11:55					
Client ID: **ALT002-SS13C**					
Lab ID : MGA12080820-15A	Percent Moisture	12	0.10 %	08/14/12	08/14/12
Date Sampled 08/06/12 11:55					
Client ID: **ALT002-SS14**					
Lab ID : MGA12080820-16A	Percent Moisture	8.9	0.10 %	08/14/12	08/14/12
Date Sampled 08/06/12 12:00					
Client ID: **ALT002-SS15**					
Lab ID : MGA12080820-17A	Percent Moisture	20	0.10 %	08/14/12	08/14/12
Date Sampled 08/06/12 12:50					
Client ID: **ALT002-SS16**					
Lab ID : MGA12080820-18A	Percent Moisture	21	0.10 %	08/14/12	08/14/12
Date Sampled 08/06/12 12:55					
Client ID: **ALT002-SS17**					
Lab ID : MGA12080820-19A	Percent Moisture	16	0.10 %	08/14/12	08/14/12
Date Sampled 08/06/12 13:05					
Client ID: **ALT002-BG1**					
Lab ID : MGA12080820-20A	Percent Moisture	11	0.10 %	08/14/12	08/14/12
Date Sampled 08/06/12 09:45					
Client ID: **ALT002-BG2**					
Lab ID : MGA12080820-21A	Percent Moisture	5.5	0.10 %	08/14/12	08/14/12
Date Sampled 08/06/12 09:55					
Client ID: **ALT002-BG3**					
Lab ID : MGA12080820-22A	Percent Moisture	4.1	0.10 %	08/14/12	08/14/12
Date Sampled 08/06/12 10:00					
Client ID: **ALT002-BG4**					
Lab ID : MGA12080820-23A	Percent Moisture	3.2	0.10 %	08/14/12	08/14/12
Date Sampled 08/06/12 11:25					
Client ID: **ALT002-BG5**					
Lab ID : MGA12080820-24A	Percent Moisture	1.8	0.10 %	08/14/12	08/14/12
Date Sampled 08/06/12 11:30					
Client ID: **ALT002-BG6**					
Lab ID : MGA12080820-25A	Percent Moisture	3.4	0.10 %	08/14/12	08/14/12
Date Sampled 08/06/12 11:35					
Client ID: **ALT002-BG7**					
Lab ID : MGA12080820-26A	Percent Moisture	2.9	0.10 %	08/14/12	08/14/12
Date Sampled 08/06/12 12:35					

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Client ID: **ALT002-BG8**					
Lab ID : MGA12080820-27A	Percent Moisture	2.2	0.10 %	08/14/12	08/14/12
Date Sampled 08/06/12 12:40					
Client ID: **ALT002-BG9**					
Lab ID : MGA12080820-28A	Percent Moisture	2.0	0.10 %	08/14/12	08/14/12
Date Sampled 08/06/12 12:45					

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

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Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV00016.

8/14/12

Report Date

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

McGinley & Associates, Inc.
815 Maestro Drive
Reno, NV 89511

Attn: Kurt Fehling
Phone: (775) 829-2245
Fax: (775) 829-2213
Date Received : 08/07/12

Job: ALT002/Diamond X Properties

Metals by ICPMS
EPA Method SW6020 / SW6020A

	Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID: **ALT002-SS1**					
Lab ID : MGA12080820-01A	Beryllium (Be)	1.7	1.2 mg/Kg-dry	08/09/12	08/10/12
Date Sampled 08/06/12 10:05	Vanadium (V)	120	1.2 mg/Kg-dry	08/09/12	08/10/12
	Chromium (Cr)	86	1.2 mg/Kg-dry	08/09/12	08/10/12
	Cobalt (Co)	56	1.2 mg/Kg-dry	08/09/12	08/10/12
	Nickel (Ni)	110	2.4 mg/Kg-dry	08/09/12	08/10/12
	Copper (Cu)	180	2.4 mg/Kg-dry	08/09/12	08/10/12
	Zinc (Zn)	91	24 mg/Kg-dry	08/09/12	08/10/12
	Arsenic (As)	430	1.2 mg/Kg-dry	08/09/12	08/10/12
	Selenium (Se)	6.2	1.2 mg/Kg-dry	08/09/12	08/10/12
	Molybdenum (Mo)	2.0	1.2 mg/Kg-dry	08/09/12	08/10/12
	Silver (Ag)	ND	1.2 mg/Kg-dry	08/09/12	08/10/12
	Cadmium (Cd)	2.2	1.2 mg/Kg-dry	08/09/12	08/10/12
	Antimony (Sb)	2.4	1.2 mg/Kg-dry	08/09/12	08/10/12
	Barium (Ba)	410	1.2 mg/Kg-dry	08/09/12	08/10/12
	Mercury (Hg)	1.5	0.24 mg/Kg-dry	08/09/12	08/10/12
	Thallium (Tl)	7.1	1.2 mg/Kg-dry	08/09/12	08/10/12
	Lead (Pb)	19	1.2 mg/Kg-dry	08/09/12	08/10/12
Client ID: **ALT002-SS2**					
Lab ID : MGA12080820-02A	Beryllium (Be)	1.7	1.2 mg/Kg-dry	08/09/12	08/10/12
Date Sampled 08/06/12 10:10	Vanadium (V)	120	1.2 mg/Kg-dry	08/09/12	08/10/12
	Chromium (Cr)	77	1.2 mg/Kg-dry	08/09/12	08/10/12
	Cobalt (Co)	53	1.2 mg/Kg-dry	08/09/12	08/10/12
	Nickel (Ni)	100	2.3 mg/Kg-dry	08/09/12	08/10/12
	Copper (Cu)	180	2.3 mg/Kg-dry	08/09/12	08/10/12
	Zinc (Zn)	93	23 mg/Kg-dry	08/09/12	08/10/12
	Arsenic (As)	370	1.2 mg/Kg-dry	08/09/12	08/10/12
	Selenium (Se)	6.8	1.2 mg/Kg-dry	08/09/12	08/10/12
	Molybdenum (Mo)	2.0	1.2 mg/Kg-dry	08/09/12	08/10/12
	Silver (Ag)	ND	1.2 mg/Kg-dry	08/09/12	08/10/12
	Cadmium (Cd)	1.9	1.2 mg/Kg-dry	08/09/12	08/10/12
	Antimony (Sb)	2.6	1.2 mg/Kg-dry	08/09/12	08/10/12
	Barium (Ba)	450	1.2 mg/Kg-dry	08/09/12	08/10/12
	Mercury (Hg)	1.9	0.23 mg/Kg-dry	08/09/12	08/10/12
	Thallium (Tl)	9.7	1.2 mg/Kg-dry	08/09/12	08/10/12
	Lead (Pb)	20	1.2 mg/Kg-dry	08/09/12	08/10/12

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Client ID: **ALT002-SS3**

Lab ID : MGA12080820-03A	Beryllium (Be)	1.3	1.1 mg/Kg-dry	08/09/12	08/10/12
Date Sampled 08/06/12 10:18	Vanadium (V)	110	1.1 mg/Kg-dry	08/09/12	08/10/12
	Chromium (Cr)	60	1.1 mg/Kg-dry	08/09/12	08/10/12
	Cobalt (Co)	59	1.1 mg/Kg-dry	08/09/12	08/10/12
	Nickel (Ni)	110	2.3 mg/Kg-dry	08/09/12	08/10/12
	Copper (Cu)	150	2.3 mg/Kg-dry	08/09/12	08/10/12
	Zinc (Zn)	83	23 mg/Kg-dry	08/09/12	08/10/12
	Arsenic (As)	350	1.1 mg/Kg-dry	08/09/12	08/10/12
	Selenium (Se)	5.2	1.1 mg/Kg-dry	08/09/12	08/10/12
	Molybdenum (Mo)	2.1	1.1 mg/Kg-dry	08/09/12	08/10/12
	Silver (Ag)	ND	1.1 mg/Kg-dry	08/09/12	08/10/12
	Cadmium (Cd)	1.9	1.1 mg/Kg-dry	08/09/12	08/10/12
	Antimony (Sb)	2.2	1.1 mg/Kg-dry	08/09/12	08/10/12
	Barium (Ba)	330	1.1 mg/Kg-dry	08/09/12	08/10/12
	Mercury (Hg)	1.4	0.23 mg/Kg-dry	08/09/12	08/10/12
	Thallium (Tl)	8.8	1.1 mg/Kg-dry	08/09/12	08/10/12
	Lead (Pb)	17	1.1 mg/Kg-dry	08/09/12	08/10/12

Client ID: **ALT002-SS4**

Lab ID : MGA12080820-04A	Beryllium (Be)	1.3	1.1 mg/Kg-dry	08/09/12	08/10/12
Date Sampled 08/06/12 10:22	Vanadium (V)	96	1.1 mg/Kg-dry	08/09/12	08/10/12
	Chromium (Cr)	62	1.1 mg/Kg-dry	08/09/12	08/10/12
	Cobalt (Co)	76	1.1 mg/Kg-dry	08/09/12	08/10/12
	Nickel (Ni)	130	2.3 mg/Kg-dry	08/09/12	08/10/12
	Copper (Cu)	130	2.3 mg/Kg-dry	08/09/12	08/10/12
	Zinc (Zn)	78	23 mg/Kg-dry	08/09/12	08/10/12
	Arsenic (As)	380	1.1 mg/Kg-dry	08/09/12	08/10/12
	Selenium (Se)	5.6	1.1 mg/Kg-dry	08/09/12	08/10/12
	Molybdenum (Mo)	2.3	1.1 mg/Kg-dry	08/09/12	08/10/12
	Silver (Ag)	ND	1.1 mg/Kg-dry	08/09/12	08/10/12
	Cadmium (Cd)	1.4	1.1 mg/Kg-dry	08/09/12	08/10/12
	Antimony (Sb)	2.6	1.1 mg/Kg-dry	08/09/12	08/10/12
	Barium (Ba)	380	1.1 mg/Kg-dry	08/09/12	08/10/12
	Mercury (Hg)	1.6	0.23 mg/Kg-dry	08/09/12	08/10/12
	Thallium (Tl)	8.3	1.1 mg/Kg-dry	08/09/12	08/10/12
	Lead (Pb)	18	1.1 mg/Kg-dry	08/09/12	08/10/12

Client ID: **ALT002-SS5**

Lab ID : MGA12080820-05A	Beryllium (Be)	1.2	1.1 mg/Kg-dry	08/09/12	08/10/12
Date Sampled 08/06/12 10:28	Vanadium (V)	74	1.1 mg/Kg-dry	08/09/12	08/10/12
	Chromium (Cr)	54	1.1 mg/Kg-dry	08/09/12	08/10/12
	Cobalt (Co)	82	1.1 mg/Kg-dry	08/09/12	08/10/12
	Nickel (Ni)	99	2.3 mg/Kg-dry	08/09/12	08/10/12
	Copper (Cu)	130	2.3 mg/Kg-dry	08/09/12	08/10/12
	Zinc (Zn)	63	23 mg/Kg-dry	08/09/12	08/10/12
	Arsenic (As)	300	1.1 mg/Kg-dry	08/09/12	08/10/12
	Selenium (Se)	6.7	1.1 mg/Kg-dry	08/09/12	08/10/12
	Molybdenum (Mo)	2.2	1.1 mg/Kg-dry	08/09/12	08/10/12
	Silver (Ag)	ND	1.1 mg/Kg-dry	08/09/12	08/10/12
	Cadmium (Cd)	ND	1.1 mg/Kg-dry	08/09/12	08/10/12
	Antimony (Sb)	3.0	1.1 mg/Kg-dry	08/09/12	08/10/12
	Barium (Ba)	360	1.1 mg/Kg-dry	08/09/12	08/10/12
	Mercury (Hg)	1.6	0.23 mg/Kg-dry	08/09/12	08/10/12
	Thallium (Tl)	12	1.1 mg/Kg-dry	08/09/12	08/10/12
	Lead (Pb)	18	1.1 mg/Kg-dry	08/09/12	08/10/12

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Client ID: **ALT002-SS6**

Lab ID : MGA12080820-06A	Beryllium (Be)	2.0	1.2 mg/Kg-dry	08/09/12	08/10/12
Date Sampled 08/06/12 10:40	Vanadium (V)	120	1.2 mg/Kg-dry	08/09/12	08/10/12
	Chromium (Cr)	90	1.2 mg/Kg-dry	08/09/12	08/10/12
	Cobalt (Co)	120	1.2 mg/Kg-dry	08/09/12	08/10/12
	Nickel (Ni)	190	2.4 mg/Kg-dry	08/09/12	08/10/12
	Copper (Cu)	190	2.4 mg/Kg-dry	08/09/12	08/10/12
	Zinc (Zn)	110	24 mg/Kg-dry	08/09/12	08/10/12
	Arsenic (As)	380	1.2 mg/Kg-dry	08/09/12	08/10/12
	Selenium (Se)	7.1	1.2 mg/Kg-dry	08/09/12	08/10/12
	Molybdenum (Mo)	1.8	1.2 mg/Kg-dry	08/09/12	08/10/12
	Silver (Ag)	ND	1.2 mg/Kg-dry	08/09/12	08/10/12
	Cadmium (Cd)	1.5	1.2 mg/Kg-dry	08/09/12	08/10/12
	Antimony (Sb)	2.4	1.2 mg/Kg-dry	08/09/12	08/10/12
	Barium (Ba)	380	1.2 mg/Kg-dry	08/09/12	08/10/12
	Mercury (Hg)	1.5	0.24 mg/Kg-dry	08/09/12	08/10/12
	Thallium (Tl)	13	1.2 mg/Kg-dry	08/09/12	08/10/12
	Lead (Pb)	20	1.2 mg/Kg-dry	08/09/12	08/10/12

Client ID: **ALT002-SS7**

Lab ID : MGA12080820-07A	Beryllium (Be)	1.2	1.1 mg/Kg-dry	08/09/12	08/10/12
Date Sampled 08/06/12 10:45	Vanadium (V)	110	1.1 mg/Kg-dry	08/09/12	08/10/12
	Chromium (Cr)	59	1.1 mg/Kg-dry	08/09/12	08/10/12
	Cobalt (Co)	73	1.1 mg/Kg-dry	08/09/12	08/10/12
	Nickel (Ni)	100	2.2 mg/Kg-dry	08/09/12	08/10/12
	Copper (Cu)	99	2.2 mg/Kg-dry	08/09/12	08/10/12
	Zinc (Zn)	79	22 mg/Kg-dry	08/09/12	08/10/12
	Arsenic (As)	150	1.1 mg/Kg-dry	08/09/12	08/10/12
	Selenium (Se)	3.1	1.1 mg/Kg-dry	08/09/12	08/10/12
	Molybdenum (Mo)	1.8	1.1 mg/Kg-dry	08/09/12	08/10/12
	Silver (Ag)	ND	1.1 mg/Kg-dry	08/09/12	08/10/12
	Cadmium (Cd)	ND	1.1 mg/Kg-dry	08/09/12	08/10/12
	Antimony (Sb)	1.4	1.1 mg/Kg-dry	08/09/12	08/10/12
	Barium (Ba)	360	1.1 mg/Kg-dry	08/09/12	08/10/12
	Mercury (Hg)	0.56	0.22 mg/Kg-dry	08/09/12	08/10/12
	Thallium (Tl)	7.4	1.1 mg/Kg-dry	08/09/12	08/10/12
	Lead (Pb)	15	1.1 mg/Kg-dry	08/09/12	08/10/12

Client ID: **ALT002-SS8**

Lab ID : MGA12080820-08A	Beryllium (Be)	1.2	1.1 mg/Kg-dry	08/09/12	08/10/12
Date Sampled 08/06/12 10:55	Vanadium (V)	90	1.1 mg/Kg-dry	08/09/12	08/10/12
	Chromium (Cr)	61	1.1 mg/Kg-dry	08/09/12	08/10/12
	Cobalt (Co)	78	1.1 mg/Kg-dry	08/09/12	08/10/12
	Nickel (Ni)	130	2.3 mg/Kg-dry	08/09/12	08/10/12
	Copper (Cu)	120	2.3 mg/Kg-dry	08/09/12	08/10/12
	Zinc (Zn)	75	23 mg/Kg-dry	08/09/12	08/10/12
	Arsenic (As)	240	1.1 mg/Kg-dry	08/09/12	08/10/12
	Selenium (Se)	5.4	1.1 mg/Kg-dry	08/09/12	08/10/12
	Molybdenum (Mo)	1.7	1.1 mg/Kg-dry	08/09/12	08/10/12
	Silver (Ag)	ND	1.1 mg/Kg-dry	08/09/12	08/10/12
	Cadmium (Cd)	ND	1.1 mg/Kg-dry	08/09/12	08/10/12
	Antimony (Sb)	1.8	1.1 mg/Kg-dry	08/09/12	08/10/12
	Barium (Ba)	320	1.1 mg/Kg-dry	08/09/12	08/10/12
	Mercury (Hg)	1.0	0.23 mg/Kg-dry	08/09/12	08/10/12
	Thallium (Tl)	11	1.1 mg/Kg-dry	08/09/12	08/10/12
	Lead (Pb)	17	1.1 mg/Kg-dry	08/09/12	08/10/12

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Client ID: **ALT002-SS9**					
Lab ID : MGA12080820-09A	Beryllium (Be)	1.7	1.2 mg/Kg-dry	08/09/12	08/10/12
Date Sampled 08/06/12 11:00	Vanadium (V)	96	1.2 mg/Kg-dry	08/09/12	08/10/12
	Chromium (Cr)	65	1.2 mg/Kg-dry	08/09/12	08/10/12
	Cobalt (Co)	100	1.2 mg/Kg-dry	08/09/12	08/10/12
	Nickel (Ni)	190	2.3 mg/Kg-dry	08/09/12	08/10/12
	Copper (Cu)	150	2.3 mg/Kg-dry	08/09/12	08/10/12
	Zinc (Zn)	92	23 mg/Kg-dry	08/09/12	08/10/12
	Arsenic (As)	300	1.2 mg/Kg-dry	08/09/12	08/10/12
	Selenium (Se)	7.0	1.2 mg/Kg-dry	08/09/12	08/10/12
	Molybdenum (Mo)	1.8	1.2 mg/Kg-dry	08/09/12	08/10/12
	Silver (Ag)	ND	1.2 mg/Kg-dry	08/09/12	08/10/12
	Cadmium (Cd)	ND	1.2 mg/Kg-dry	08/09/12	08/10/12
	Antimony (Sb)	2.2	1.2 mg/Kg-dry	08/09/12	08/10/12
	Barium (Ba)	370	1.2 mg/Kg-dry	08/09/12	08/10/12
	Mercury (Hg)	1.4	0.23 mg/Kg-dry	08/09/12	08/10/12
	Thallium (Tl)	10	1.2 mg/Kg-dry	08/09/12	08/10/12
	Lead (Pb)	19	1.2 mg/Kg-dry	08/09/12	08/10/12
Client ID: **ALT002-SS10**					
Lab ID : MGA12080820-10A	Beryllium (Be)	1.4	1.1 mg/Kg-dry	08/09/12	08/10/12
Date Sampled 08/06/12 11:40	Vanadium (V)	93	1.1 mg/Kg-dry	08/09/12	08/10/12
	Chromium (Cr)	60	1.1 mg/Kg-dry	08/09/12	08/10/12
	Cobalt (Co)	120	1.1 mg/Kg-dry	08/09/12	08/10/12
	Nickel (Ni)	170	2.2 mg/Kg-dry	08/09/12	08/10/12
	Copper (Cu)	160	2.2 mg/Kg-dry	08/09/12	08/10/12
	Zinc (Zn)	94	22 mg/Kg-dry	08/09/12	08/10/12
	Arsenic (As)	270	1.1 mg/Kg-dry	08/09/12	08/10/12
	Selenium (Se)	4.1	1.1 mg/Kg-dry	08/09/12	08/10/12
	Molybdenum (Mo)	1.5	1.1 mg/Kg-dry	08/09/12	08/10/12
	Silver (Ag)	ND	1.1 mg/Kg-dry	08/09/12	08/10/12
	Cadmium (Cd)	1.1	1.1 mg/Kg-dry	08/09/12	08/10/12
	Antimony (Sb)	1.3	1.1 mg/Kg-dry	08/09/12	08/10/12
	Barium (Ba)	250	1.1 mg/Kg-dry	08/09/12	08/10/12
	Mercury (Hg)	0.49	0.22 mg/Kg-dry	08/09/12	08/10/12
	Thallium (Tl)	9.1	1.1 mg/Kg-dry	08/09/12	08/10/12
	Lead (Pb)	12	1.1 mg/Kg-dry	08/09/12	08/10/12
Client ID: **ALT002-SS11**					
Lab ID : MGA12080820-11A	Beryllium (Be)	1.4	1.1 mg/Kg-dry	08/09/12	08/10/12
Date Sampled 08/06/12 11:45	Vanadium (V)	110	1.1 mg/Kg-dry	08/09/12	08/10/12
	Chromium (Cr)	67	1.1 mg/Kg-dry	08/09/12	08/10/12
	Cobalt (Co)	91	1.1 mg/Kg-dry	08/09/12	08/10/12
	Nickel (Ni)	160	2.2 mg/Kg-dry	08/09/12	08/10/12
	Copper (Cu)	130	2.2 mg/Kg-dry	08/09/12	08/10/12
	Zinc (Zn)	90	22 mg/Kg-dry	08/09/12	08/10/12
	Arsenic (As)	270	1.1 mg/Kg-dry	08/09/12	08/10/12
	Selenium (Se)	6.3	1.1 mg/Kg-dry	08/09/12	08/10/12
	Molybdenum (Mo)	1.3	1.1 mg/Kg-dry	08/09/12	08/10/12
	Silver (Ag)	ND	1.1 mg/Kg-dry	08/09/12	08/10/12
	Cadmium (Cd)	ND	1.1 mg/Kg-dry	08/09/12	08/10/12
	Antimony (Sb)	1.5	1.1 mg/Kg-dry	08/09/12	08/10/12
	Barium (Ba)	330	1.1 mg/Kg-dry	08/09/12	08/10/12
	Mercury (Hg)	0.68	0.22 mg/Kg-dry	08/09/12	08/10/12
	Thallium (Tl)	7.5	1.1 mg/Kg-dry	08/09/12	08/10/12
	Lead (Pb)	15	1.1 mg/Kg-dry	08/09/12	08/10/12

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Client ID: **ALT002-SS12**
Lab ID : MGA12080820-12A
Date Sampled 08/06/12 11:50

Beryllium (Be)	1.7	1.1 mg/Kg-dry	08/09/12	08/10/12
Vanadium (V)	99	1.1 mg/Kg-dry	08/09/12	08/10/12
Chromium (Cr)	63	1.1 mg/Kg-dry	08/09/12	08/10/12
Cobalt (Co)	42	1.1 mg/Kg-dry	08/09/12	08/10/12
Nickel (Ni)	110	2.2 mg/Kg-dry	08/09/12	08/10/12
Copper (Cu)	120	2.2 mg/Kg-dry	08/09/12	08/10/12
Zinc (Zn)	93	22 mg/Kg-dry	08/09/12	08/10/12
Arsenic (As)	170	1.1 mg/Kg-dry	08/09/12	08/10/12
Selenium (Se)	7.2	1.1 mg/Kg-dry	08/09/12	08/10/12
Molybdenum (Mo)	1.2	1.1 mg/Kg-dry	08/09/12	08/10/12
Silver (Ag)	ND	1.1 mg/Kg-dry	08/09/12	08/10/12
Cadmium (Cd)	1.2	1.1 mg/Kg-dry	08/09/12	08/10/12
Antimony (Sb)	8.1	1.1 mg/Kg-dry	08/09/12	08/10/12
Barium (Ba)	350	1.1 mg/Kg-dry	08/09/12	08/10/12
Mercury (Hg)	1.2	0.22 mg/Kg-dry	08/09/12	08/10/12
Thallium (Tl)	5.3	1.1 mg/Kg-dry	08/09/12	08/10/12
Lead (Pb)	15	1.1 mg/Kg-dry	08/09/12	08/10/12

Client ID: **ALT002-SS13A**
Lab ID : MGA12080820-13A
Date Sampled 08/06/12 11:55

Beryllium (Be)	1.7	1.1 mg/Kg-dry	08/09/12	08/10/12
Vanadium (V)	96	1.1 mg/Kg-dry	08/09/12	08/10/12
Chromium (Cr)	65	1.1 mg/Kg-dry	08/09/12	08/10/12
Cobalt (Co)	54	1.1 mg/Kg-dry	08/09/12	08/10/12
Nickel (Ni)	130	2.3 mg/Kg-dry	08/09/12	08/10/12
Copper (Cu)	140	2.3 mg/Kg-dry	08/09/12	08/10/12
Zinc (Zn)	92	23 mg/Kg-dry	08/09/12	08/10/12
Arsenic (As)	220	1.1 mg/Kg-dry	08/09/12	08/10/12
Selenium (Se)	5.6	1.1 mg/Kg-dry	08/09/12	08/10/12
Molybdenum (Mo)	ND	1.1 mg/Kg-dry	08/09/12	08/10/12
Silver (Ag)	ND	1.1 mg/Kg-dry	08/09/12	08/10/12
Cadmium (Cd)	1.2	1.1 mg/Kg-dry	08/09/12	08/10/12
Antimony (Sb)	1.8	1.1 mg/Kg-dry	08/09/12	08/10/12
Barium (Ba)	330	1.1 mg/Kg-dry	08/09/12	08/10/12
Mercury (Hg)	0.74	0.23 mg/Kg-dry	08/09/12	08/10/12
Thallium (Tl)	5.7	1.1 mg/Kg-dry	08/09/12	08/10/12
Lead (Pb)	25	1.1 mg/Kg-dry	08/09/12	08/10/12

Client ID: **ALT002-SS13B**
Lab ID : MGA12080820-14A
Date Sampled 08/06/12 11:55

Beryllium (Be)	2.0	1.1 mg/Kg-dry	08/09/12	08/10/12
Vanadium (V)	110	1.1 mg/Kg-dry	08/09/12	08/10/12
Chromium (Cr)	760	1.1 mg/Kg-dry	08/09/12	08/10/12
Cobalt (Co)	59	1.1 mg/Kg-dry	08/09/12	08/10/12
Nickel (Ni)	140	2.3 mg/Kg-dry	08/09/12	08/10/12
Copper (Cu)	150	2.3 mg/Kg-dry	08/09/12	08/10/12
Zinc (Zn)	110	23 mg/Kg-dry	08/09/12	08/10/12
Arsenic (As)	230	1.1 mg/Kg-dry	08/09/12	08/10/12
Selenium (Se)	5.8	1.1 mg/Kg-dry	08/09/12	08/10/12
Molybdenum (Mo)	ND	1.1 mg/Kg-dry	08/09/12	08/10/12
Silver (Ag)	ND	1.1 mg/Kg-dry	08/09/12	08/10/12
Cadmium (Cd)	1.2	1.1 mg/Kg-dry	08/09/12	08/10/12
Antimony (Sb)	1.7	1.1 mg/Kg-dry	08/09/12	08/10/12
Barium (Ba)	360	1.1 mg/Kg-dry	08/09/12	08/10/12
Mercury (Hg)	0.75	0.23 mg/Kg-dry	08/09/12	08/10/12
Thallium (Tl)	5.9	1.1 mg/Kg-dry	08/09/12	08/10/12
Lead (Pb)	18	1.1 mg/Kg-dry	08/09/12	08/10/12

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Client ID: **ALT002-SS13C**					
Lab ID : MGA12080820-15A	Beryllium (Be)	1.8	1.1 mg/Kg-dry	08/09/12	08/10/12
Date Sampled 08/06/12 11:55	Vanadium (V)	92	1.1 mg/Kg-dry	08/09/12	08/10/12
	Chromium (Cr)	63	1.1 mg/Kg-dry	08/09/12	08/10/12
	Cobalt (Co)	58	1.1 mg/Kg-dry	08/09/12	08/10/12
	Nickel (Ni)	140	2.3 mg/Kg-dry	08/09/12	08/10/12
	Copper (Cu)	150	2.3 mg/Kg-dry	08/09/12	08/10/12
	Zinc (Zn)	98	23 mg/Kg-dry	08/09/12	08/10/12
	Arsenic (As)	240	1.1 mg/Kg-dry	08/09/12	08/10/12
	Selenium (Se)	6.0	1.1 mg/Kg-dry	08/09/12	08/10/12
	Molybdenum (Mo)	1.8	1.1 mg/Kg-dry	08/09/12	08/10/12
	Silver (Ag)	ND	1.1 mg/Kg-dry	08/09/12	08/10/12
	Cadmium (Cd)	1.3	1.1 mg/Kg-dry	08/09/12	08/10/12
	Antimony (Sb)	2.2	1.1 mg/Kg-dry	08/09/12	08/10/12
	Barium (Ba)	290	1.1 mg/Kg-dry	08/09/12	08/10/12
	Mercury (Hg)	0.89	0.23 mg/Kg-dry	08/09/12	08/10/12
	Thallium (Tl)	8.2	1.1 mg/Kg-dry	08/09/12	08/10/12
	Lead (Pb)	14	1.1 mg/Kg-dry	08/09/12	08/10/12
Client ID: **ALT002-SS14**					
Lab ID : MGA12080820-16A	Beryllium (Be)	1.7	1.1 mg/Kg-dry	08/09/12	08/10/12
Date Sampled 08/06/12 12:00	Vanadium (V)	110	1.1 mg/Kg-dry	08/09/12	08/10/12
	Chromium (Cr)	78	1.1 mg/Kg-dry	08/09/12	08/10/12
	Cobalt (Co)	93	1.1 mg/Kg-dry	08/09/12	08/10/12
	Nickel (Ni)	180	2.2 mg/Kg-dry	08/09/12	08/10/12
	Copper (Cu)	180	2.2 mg/Kg-dry	08/09/12	08/10/12
	Zinc (Zn)	100	22 mg/Kg-dry	08/09/12	08/10/12
	Arsenic (As)	380	1.1 mg/Kg-dry	08/09/12	08/10/12
	Selenium (Se)	5.1	1.1 mg/Kg-dry	08/09/12	08/10/12
	Molybdenum (Mo)	1.6	1.1 mg/Kg-dry	08/09/12	08/10/12
	Silver (Ag)	ND	1.1 mg/Kg-dry	08/09/12	08/10/12
	Cadmium (Cd)	1.5	1.1 mg/Kg-dry	08/09/12	08/10/12
	Antimony (Sb)	2.0	1.1 mg/Kg-dry	08/09/12	08/10/12
	Barium (Ba)	300	1.1 mg/Kg-dry	08/09/12	08/10/12
	Mercury (Hg)	1.1	0.22 mg/Kg-dry	08/09/12	08/10/12
	Thallium (Tl)	9.8	1.1 mg/Kg-dry	08/09/12	08/10/12
	Lead (Pb)	16	1.1 mg/Kg-dry	08/09/12	08/10/12
Client ID: **ALT002-SS15**					
Lab ID : MGA12080820-17A	Beryllium (Be)	ND	1.2 mg/Kg-dry	08/09/12	08/10/12
Date Sampled 08/06/12 12:50	Vanadium (V)	73	1.2 mg/Kg-dry	08/09/12	08/10/12
	Chromium (Cr)	26	1.2 mg/Kg-dry	08/09/12	08/10/12
	Cobalt (Co)	12	1.2 mg/Kg-dry	08/09/12	08/10/12
	Nickel (Ni)	8.9	2.5 mg/Kg-dry	08/09/12	08/10/12
	Copper (Cu)	21	2.5 mg/Kg-dry	08/09/12	08/10/12
	Zinc (Zn)	52	25 mg/Kg-dry	08/09/12	08/10/12
	Arsenic (As)	15	1.2 mg/Kg-dry	08/09/12	08/10/12
	Selenium (Se)	ND	1.2 mg/Kg-dry	08/09/12	08/10/12
	Molybdenum (Mo)	ND	1.2 mg/Kg-dry	08/09/12	08/10/12
	Silver (Ag)	ND	1.2 mg/Kg-dry	08/09/12	08/10/12
	Cadmium (Cd)	ND	1.2 mg/Kg-dry	08/09/12	08/10/12
	Antimony (Sb)	ND	1.2 mg/Kg-dry	08/09/12	08/10/12
	Barium (Ba)	270	1.2 mg/Kg-dry	08/09/12	08/10/12
	Mercury (Hg)	ND	0.25 mg/Kg-dry	08/09/12	08/10/12
	Thallium (Tl)	ND	1.2 mg/Kg-dry	08/09/12	08/10/12
	Lead (Pb)	12	1.2 mg/Kg-dry	08/09/12	08/10/12

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Client ID: **ALT002-SS16**

Lab ID : MGA12080820-18A	Beryllium (Be)	ND	1.3 mg/Kg-dry	08/09/12	08/10/12
Date Sampled 08/06/12 12:55	Vanadium (V)	84	1.3 mg/Kg-dry	08/09/12	08/10/12
	Chromium (Cr)	33	1.3 mg/Kg-dry	08/09/12	08/10/12
	Cobalt (Co)	7.6	1.3 mg/Kg-dry	08/09/12	08/10/12
	Nickel (Ni)	8.5	2.5 mg/Kg-dry	08/09/12	08/10/12
	Copper (Cu)	21	2.5 mg/Kg-dry	08/09/12	08/10/12
	Zinc (Zn)	44	25 mg/Kg-dry	08/09/12	08/10/12
	Arsenic (As)	15	1.3 mg/Kg-dry	08/09/12	08/10/12
	Selenium (Se)	ND	1.3 mg/Kg-dry	08/09/12	08/10/12
	Molybdenum (Mo)	ND	1.3 mg/Kg-dry	08/09/12	08/10/12
	Silver (Ag)	ND	1.3 mg/Kg-dry	08/09/12	08/10/12
	Cadmium (Cd)	ND	1.3 mg/Kg-dry	08/09/12	08/10/12
	Antimony (Sb)	ND	1.3 mg/Kg-dry	08/09/12	08/10/12
	Barium (Ba)	310	1.3 mg/Kg-dry	08/09/12	08/10/12
	Mercury (Hg)	ND	0.25 mg/Kg-dry	08/09/12	08/10/12
	Thallium (Tl)	ND	1.3 mg/Kg-dry	08/09/12	08/10/12
	Lead (Pb)	9.7	1.3 mg/Kg-dry	08/09/12	08/10/12

Client ID: **ALT002-SS17**

Lab ID : MGA12080820-19A	Beryllium (Be)	ND	1.2 mg/Kg-dry	08/10/12	08/10/12
Date Sampled 08/06/12 13:05	Vanadium (V)	97	1.2 mg/Kg-dry	08/10/12	08/10/12
	Chromium (Cr)	27	1.2 mg/Kg-dry	08/10/12	08/10/12
	Cobalt (Co)	13	1.2 mg/Kg-dry	08/10/12	08/10/12
	Nickel (Ni)	17	2.4 mg/Kg-dry	08/10/12	08/10/12
	Copper (Cu)	24	2.4 mg/Kg-dry	08/10/12	08/10/12
	Zinc (Zn)	65	24 mg/Kg-dry	08/10/12	08/10/12
	Arsenic (As)	7.9	1.2 mg/Kg-dry	08/10/12	08/10/12
	Selenium (Se)	ND	1.2 mg/Kg-dry	08/10/12	08/10/12
	Molybdenum (Mo)	ND	1.2 mg/Kg-dry	08/10/12	08/10/12
	Silver (Ag)	ND	1.2 mg/Kg-dry	08/10/12	08/10/12
	Cadmium (Cd)	ND	1.2 mg/Kg-dry	08/10/12	08/10/12
	Antimony (Sb)	ND	1.2 mg/Kg-dry	08/10/12	08/10/12
	Barium (Ba)	200	1.2 mg/Kg-dry	08/10/12	08/10/12
	Mercury (Hg)	ND	0.24 mg/Kg-dry	08/10/12	08/10/12
	Thallium (Tl)	ND	1.2 mg/Kg-dry	08/10/12	08/10/12
	Lead (Pb)	6.6	1.2 mg/Kg-dry	08/10/12	08/10/12

Client ID: **ALT002-BG1**

Lab ID : MGA12080820-20A	Beryllium (Be)	ND	1.1 mg/Kg-dry	08/10/12	08/10/12
Date Sampled 08/06/12 09:45	Vanadium (V)	130	1.1 mg/Kg-dry	08/10/12	08/10/12
	Chromium (Cr)	37	1.1 mg/Kg-dry	08/10/12	08/10/12
	Cobalt (Co)	22	1.1 mg/Kg-dry	08/10/12	08/10/12
	Nickel (Ni)	22	2.3 mg/Kg-dry	08/10/12	08/10/12
	Copper (Cu)	43	2.3 mg/Kg-dry	08/10/12	08/10/12
	Zinc (Zn)	95	23 mg/Kg-dry	08/10/12	08/10/12
	Arsenic (As)	23	1.1 mg/Kg-dry	08/10/12	08/10/12
	Selenium (Se)	1.2	1.0 mg/Kg	08/10/12	08/13/12
	Molybdenum (Mo)	1.2	1.1 mg/Kg-dry	08/10/12	08/10/12
	Silver (Ag)	ND	1.1 mg/Kg-dry	08/10/12	08/10/12
	Cadmium (Cd)	ND	1.1 mg/Kg-dry	08/10/12	08/10/12
	Antimony (Sb)	ND	1.1 mg/Kg-dry	08/10/12	08/10/12
	Barium (Ba)	230	1.1 mg/Kg-dry	08/10/12	08/10/12
	Mercury (Hg)	ND	0.23 mg/Kg-dry	08/10/12	08/10/12
	Thallium (Tl)	ND	1.1 mg/Kg-dry	08/10/12	08/10/12
	Lead (Pb)	12	1.1 mg/Kg-dry	08/10/12	08/10/12

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Client ID: **ALT002-BG2**					
Lab ID : MGA12080820-21A	Beryllium (Be)	ND	1.1 mg/Kg-dry	08/10/12	08/10/12
Date Sampled 08/06/12 09:55	Vanadium (V)	110	1.1 mg/Kg-dry	08/10/12	08/10/12
	Chromium (Cr)	35	1.1 mg/Kg-dry	08/10/12	08/10/12
	Cobalt (Co)	24	1.1 mg/Kg-dry	08/10/12	08/10/12
	Nickel (Ni)	22	2.1 mg/Kg-dry	08/10/12	08/10/12
	Copper (Cu)	35	2.1 mg/Kg-dry	08/10/12	08/10/12
	Zinc (Zn)	87	21 mg/Kg-dry	08/10/12	08/10/12
	Arsenic (As)	26	1.1 mg/Kg-dry	08/10/12	08/10/12
	Selenium (Se)	ND	1.1 mg/Kg-dry	08/10/12	08/10/12
	Molybdenum (Mo)	3.7	1.1 mg/Kg-dry	08/10/12	08/10/12
	Silver (Ag)	ND	1.1 mg/Kg-dry	08/10/12	08/10/12
	Cadmium (Cd)	ND	1.1 mg/Kg-dry	08/10/12	08/10/12
	Antimony (Sb)	ND	1.1 mg/Kg-dry	08/10/12	08/10/12
	Barium (Ba)	220	1.1 mg/Kg-dry	08/10/12	08/10/12
	Mercury (Hg)	ND	0.21 mg/Kg-dry	08/10/12	08/10/12
	Thallium (Tl)	ND	1.1 mg/Kg-dry	08/10/12	08/10/12
	Lead (Pb)	13	1.1 mg/Kg-dry	08/10/12	08/10/12
Client ID: **ALT002-BG3**					
Lab ID : MGA12080820-22A	Beryllium (Be)	ND	1.0 mg/Kg-dry	08/10/12	08/10/12
Date Sampled 08/06/12 10:00	Vanadium (V)	71	1.0 mg/Kg-dry	08/10/12	08/10/12
	Chromium (Cr)	22	1.0 mg/Kg-dry	08/10/12	08/10/12
	Cobalt (Co)	14	1.0 mg/Kg-dry	08/10/12	08/10/12
	Nickel (Ni)	16	2.1 mg/Kg-dry	08/10/12	08/10/12
	Copper (Cu)	26	2.1 mg/Kg-dry	08/10/12	08/10/12
	Zinc (Zn)	58	21 mg/Kg-dry	08/10/12	08/10/12
	Arsenic (As)	8.3	1.0 mg/Kg-dry	08/10/12	08/10/12
	Selenium (Se)	ND	1.0 mg/Kg-dry	08/10/12	08/10/12
	Molybdenum (Mo)	1.1	1.0 mg/Kg-dry	08/10/12	08/10/12
	Silver (Ag)	ND	1.0 mg/Kg-dry	08/10/12	08/10/12
	Cadmium (Cd)	ND	1.0 mg/Kg-dry	08/10/12	08/10/12
	Antimony (Sb)	ND	1.0 mg/Kg-dry	08/10/12	08/10/12
	Barium (Ba)	200	1.0 mg/Kg-dry	08/10/12	08/10/12
	Mercury (Hg)	ND	0.21 mg/Kg-dry	08/10/12	08/10/12
	Thallium (Tl)	ND	1.0 mg/Kg-dry	08/10/12	08/10/12
	Lead (Pb)	8.3	1.0 mg/Kg-dry	08/10/12	08/10/12
Client ID: **ALT002-BG4**					
Lab ID : MGA12080820-23A	Beryllium (Be)	ND	1.0 mg/Kg-dry	08/10/12	08/10/12
Date Sampled 08/06/12 11:25	Vanadium (V)	55	1.0 mg/Kg-dry	08/10/12	08/10/12
	Chromium (Cr)	20	1.0 mg/Kg-dry	08/10/12	08/10/12
	Cobalt (Co)	4.0	1.0 mg/Kg-dry	08/10/12	08/10/12
	Nickel (Ni)	5.9	2.1 mg/Kg-dry	08/10/12	08/10/12
	Copper (Cu)	51	2.1 mg/Kg-dry	08/10/12	08/10/12
	Zinc (Zn)	33	21 mg/Kg-dry	08/10/12	08/10/12
	Arsenic (As)	25	1.0 mg/Kg-dry	08/10/12	08/10/12
	Selenium (Se)	2.8	1.0 mg/Kg-dry	08/10/12	08/10/12
	Molybdenum (Mo)	2.0	1.0 mg/Kg-dry	08/10/12	08/10/12
	Silver (Ag)	ND	1.0 mg/Kg-dry	08/10/12	08/10/12
	Cadmium (Cd)	ND	1.0 mg/Kg-dry	08/10/12	08/10/12
	Antimony (Sb)	ND	1.0 mg/Kg-dry	08/10/12	08/10/12
	Barium (Ba)	250	1.0 mg/Kg-dry	08/10/12	08/10/12
	Mercury (Hg)	ND	0.21 mg/Kg-dry	08/10/12	08/10/12
	Thallium (Tl)	ND	1.0 mg/Kg-dry	08/10/12	08/10/12
	Lead (Pb)	11	1.0 mg/Kg-dry	08/10/12	08/10/12

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Client ID: **ALT002-BG5**

Lab ID : MGA12080820-24A	Beryllium (Be)	ND	1.0 mg/Kg-dry	08/10/12	08/10/12
Date Sampled 08/06/12 11:30	Vanadium (V)	53	1.0 mg/Kg-dry	08/10/12	08/10/12
	Chromium (Cr)	20	1.0 mg/Kg-dry	08/10/12	08/10/12
	Cobalt (Co)	5.2	1.0 mg/Kg-dry	08/10/12	08/10/12
	Nickel (Ni)	6.5	2.0 mg/Kg-dry	08/10/12	08/10/12
	Copper (Cu)	62	2.0 mg/Kg-dry	08/10/12	08/10/12
	Zinc (Zn)	37	20 mg/Kg-dry	08/10/12	08/10/12
	Arsenic (As)	19	1.0 mg/Kg-dry	08/10/12	08/10/12
	Selenium (Se)	2.0	1.0 mg/Kg-dry	08/10/12	08/10/12
	Molybdenum (Mo)	1.6	1.0 mg/Kg-dry	08/10/12	08/10/12
	Silver (Ag)	ND	1.0 mg/Kg-dry	08/10/12	08/10/12
	Cadmium (Cd)	ND	1.0 mg/Kg-dry	08/10/12	08/10/12
	Antimony (Sb)	ND	1.0 mg/Kg-dry	08/10/12	08/10/12
	Barium (Ba)	270	1.0 mg/Kg-dry	08/10/12	08/10/12
	Mercury (Hg)	ND	0.20 mg/Kg-dry	08/10/12	08/10/12
	Thallium (Tl)	ND	1.0 mg/Kg-dry	08/10/12	08/10/12
	Lead (Pb)	11	1.0 mg/Kg-dry	08/10/12	08/10/12

Client ID: **ALT002-BG6**

Lab ID : MGA12080820-25A	Beryllium (Be)	ND	1.0 mg/Kg-dry	08/10/12	08/10/12
Date Sampled 08/06/12 11:35	Vanadium (V)	79	1.0 mg/Kg-dry	08/10/12	08/10/12
	Chromium (Cr)	32	1.0 mg/Kg-dry	08/10/12	08/10/12
	Cobalt (Co)	12	1.0 mg/Kg-dry	08/10/12	08/10/12
	Nickel (Ni)	16	2.1 mg/Kg-dry	08/10/12	08/10/12
	Copper (Cu)	52	2.1 mg/Kg-dry	08/10/12	08/10/12
	Zinc (Zn)	59	21 mg/Kg-dry	08/10/12	08/10/12
	Arsenic (As)	23	1.0 mg/Kg-dry	08/10/12	08/10/12
	Selenium (Se)	2.3	1.0 mg/Kg-dry	08/10/12	08/10/12
	Molybdenum (Mo)	1.8	1.0 mg/Kg-dry	08/10/12	08/10/12
	Silver (Ag)	ND	1.0 mg/Kg-dry	08/10/12	08/10/12
	Cadmium (Cd)	ND	1.0 mg/Kg-dry	08/10/12	08/10/12
	Antimony (Sb)	ND	1.0 mg/Kg-dry	08/10/12	08/10/12
	Barium (Ba)	280	1.0 mg/Kg-dry	08/10/12	08/10/12
	Mercury (Hg)	ND	0.21 mg/Kg-dry	08/10/12	08/10/12
	Thallium (Tl)	ND	1.0 mg/Kg-dry	08/10/12	08/10/12
	Lead (Pb)	8.6	1.0 mg/Kg-dry	08/10/12	08/10/12

Client ID: **ALT002-BG7**

Lab ID : MGA12080820-26A	Beryllium (Be)	ND	1.0 mg/Kg-dry	08/10/12	08/11/12
Date Sampled 08/06/12 12:35	Vanadium (V)	96	1.0 mg/Kg-dry	08/10/12	08/11/12
	Chromium (Cr)	29	1.0 mg/Kg-dry	08/10/12	08/11/12
	Cobalt (Co)	12	1.0 mg/Kg-dry	08/10/12	08/11/12
	Nickel (Ni)	16	2.1 mg/Kg-dry	08/10/12	08/11/12
	Copper (Cu)	27	2.1 mg/Kg-dry	08/10/12	08/11/12
	Zinc (Zn)	83	21 mg/Kg-dry	08/10/12	08/11/12
	Arsenic (As)	13	1.0 mg/Kg-dry	08/10/12	08/11/12
	Selenium (Se)	ND	1.0 mg/Kg-dry	08/10/12	08/11/12
	Molybdenum (Mo)	1.0	1.0 mg/Kg-dry	08/10/12	08/11/12
	Silver (Ag)	ND	1.0 mg/Kg-dry	08/10/12	08/11/12
	Cadmium (Cd)	ND	1.0 mg/Kg-dry	08/10/12	08/11/12
	Antimony (Sb)	ND	1.0 mg/Kg-dry	08/10/12	08/11/12
	Barium (Ba)	350	1.0 mg/Kg-dry	08/10/12	08/11/12
	Mercury (Hg)	ND	0.21 mg/Kg-dry	08/10/12	08/11/12
	Thallium (Tl)	ND	1.0 mg/Kg-dry	08/10/12	08/11/12
	Lead (Pb)	10	1.0 mg/Kg-dry	08/10/12	08/11/12

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

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Client ID: **ALT002-BG8**

Lab ID : MGA12080820-27A	Beryllium (Be)	ND	1.0 mg/Kg-dry	08/10/12	08/11/12
Date Sampled 08/06/12 12:40	Vanadium (V)	100	1.0 mg/Kg-dry	08/10/12	08/11/12
	Chromium (Cr)	31	1.0 mg/Kg-dry	08/10/12	08/11/12
	Cobalt (Co)	12	1.0 mg/Kg-dry	08/10/12	08/11/12
	Nickel (Ni)	15	2.0 mg/Kg-dry	08/10/12	08/11/12
	Copper (Cu)	26	2.0 mg/Kg-dry	08/10/12	08/11/12
	Zinc (Zn)	91	20 mg/Kg-dry	08/10/12	08/11/12
	Arsenic (As)	11	1.0 mg/Kg-dry	08/10/12	08/11/12
	Selenium (Se)	ND	1.0 mg/Kg-dry	08/10/12	08/11/12
	Molybdenum (Mo)	ND	1.0 mg/Kg-dry	08/10/12	08/11/12
	Silver (Ag)	ND	1.0 mg/Kg-dry	08/10/12	08/11/12
	Cadmium (Cd)	ND	1.0 mg/Kg-dry	08/10/12	08/11/12
	Antimony (Sb)	ND	1.0 mg/Kg-dry	08/10/12	08/11/12
	Barium (Ba)	300	1.0 mg/Kg-dry	08/10/12	08/11/12
	Mercury (Hg)	ND	0.20 mg/Kg-dry	08/10/12	08/11/12
	Thallium (Tl)	ND	1.0 mg/Kg-dry	08/10/12	08/11/12
	Lead (Pb)	10	1.0 mg/Kg-dry	08/10/12	08/11/12

Client ID: **ALT002-BG9**

Lab ID : MGA12080820-28A	Beryllium (Be)	ND	1.0 mg/Kg-dry	08/10/12	08/11/12
Date Sampled 08/06/12 12:45	Vanadium (V)	120	1.0 mg/Kg-dry	08/10/12	08/11/12
	Chromium (Cr)	28	1.0 mg/Kg-dry	08/10/12	08/11/12
	Cobalt (Co)	12	1.0 mg/Kg-dry	08/10/12	08/11/12
	Nickel (Ni)	17	2.0 mg/Kg-dry	08/10/12	08/11/12
	Copper (Cu)	37	2.0 mg/Kg-dry	08/10/12	08/11/12
	Zinc (Zn)	99	20 mg/Kg-dry	08/10/12	08/11/12
	Arsenic (As)	59	1.0 mg/Kg-dry	08/10/12	08/11/12
	Selenium (Se)	ND	1.0 mg/Kg-dry	08/10/12	08/11/12
	Molybdenum (Mo)	2.0	1.0 mg/Kg-dry	08/10/12	08/11/12
	Silver (Ag)	ND	1.0 mg/Kg-dry	08/10/12	08/11/12
	Cadmium (Cd)	ND	1.0 mg/Kg-dry	08/10/12	08/11/12
	Antimony (Sb)	1.2	1.0 mg/Kg-dry	08/10/12	08/11/12
	Barium (Ba)	340	1.0 mg/Kg-dry	08/10/12	08/11/12
	Mercury (Hg)	ND	0.20 mg/Kg-dry	08/10/12	08/11/12
	Thallium (Tl)	ND	1.0 mg/Kg-dry	08/10/12	08/11/12
	Lead (Pb)	11	1.0 mg/Kg-dry	08/10/12	08/11/12

Sample results were calculated on a wet weight basis.
ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV00016.

8/14/12

Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *14-Aug-12*

QC Summary Report

Work Order: 12080820

Method Blank

Type: **MBLK** Test Code: **EPA Method SW6020 / SW6020A**

File ID: **081012.B\018_M.D** Batch ID: **29227** Analysis Date: **08/10/2012 17:18**

Sample ID: **MB-29227** Units : **mg/Kg** Run ID: **ICP/MS_120810B** Prep Date: **08/09/2012 12:51**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Beryllium (Be)	ND	1								
Vanadium (V)	ND	1								
Chromium (Cr)	ND	1								
Cobalt (Co)	ND	1								
Nickel (Ni)	ND	2								
Copper (Cu)	ND	2								
Zinc (Zn)	ND	20								
Arsenic (As)	ND	1								
Selenium (Se)	ND	1								
Molybdenum (Mo)	ND	1								
Silver (Ag)	ND	1								
Cadmium (Cd)	ND	1								
Antimony (Sb)	ND	1								
Barium (Ba)	ND	1								
Mercury (Hg)	ND	0.2								
Thallium (Tl)	ND	1								
Lead (Pb)	ND	1								

Laboratory Control Spike

Type: **LCS** Test Code: **EPA Method SW6020 / SW6020A**

File ID: **081012.B\019_M.D** Batch ID: **29227** Analysis Date: **08/10/2012 17:24**

Sample ID: **LCS-29227** Units : **mg/Kg** Run ID: **ICP/MS_120810B** Prep Date: **08/09/2012 12:51**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Beryllium (Be)	23.3	1	25		93	80	120			
Vanadium (V)	22.3	1	25		89	80	120			
Chromium (Cr)	25.3	1	25		101	80	120			
Cobalt (Co)	24.4	1	25		97	80	120			
Nickel (Ni)	24.8	2	25		99	80	120			
Copper (Cu)	25.4	2	25		102	80	120			
Zinc (Zn)	25	20	25		100	80	120			
Arsenic (As)	25	1	25		99.9	80	120			
Selenium (Se)	25.6	1	25		102	80	120			
Molybdenum (Mo)	25.1	1	25		100	80	120			
Silver (Ag)	25.8	1	25		103	80	120			
Cadmium (Cd)	25.2	1	25		101	80	120			
Antimony (Sb)	23.8	1	25		95	80	120			
Barium (Ba)	238	1	250		95	80	120			
Mercury (Hg)	0.451	0.2	0.5		90	80	120			
Thallium (Tl)	24	1	25		96	80	120			
Lead (Pb)	25	1	25		99.9	80	120			

Sample Matrix Spike

Type: **MS** Test Code: **EPA Method SW6020 / SW6020A**

File ID: **081012.B\024_M.D** Batch ID: **29227** Analysis Date: **08/10/2012 17:52**

Sample ID: **12080720-01AMS** Units : **mg/Kg** Run ID: **ICP/MS_120810B** Prep Date: **08/09/2012 12:51**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Beryllium (Be)	23.2	1	25	0	93	75	125			
Vanadium (V)	124	1	25	98.47	100	75	125			
Chromium (Cr)	58.6	1	25	35.47	93	75	125			
Cobalt (Co)	35.6	1	25	13.23	90	75	125			
Nickel (Ni)	53.1	2	25	28.8	97	75	125			
Copper (Cu)	45.5	2	25	24.06	86	75	125			
Zinc (Zn)	108	20	25	105.6	10	75	125			M3
Arsenic (As)	24.2	1	25	4.271	80	75	125			
Selenium (Se)	21.3	1	25	0	85	75	125			
Molybdenum (Mo)	22.3	1	25	0	89	75	125			
Silver (Ag)	22.6	1	25	0	90	75	125			
Cadmium (Cd)	22.4	1	25	0	90	75	125			
Antimony (Sb)	22.5	1	25	0	90	75	125			
Barium (Ba)	515	1	250	333.4	73	75	125			M2
Mercury (Hg)	0.514	0.2	0.5	0	103	75	125			
Thallium (Tl)	22.4	1	25	0	89	75	125			
Lead (Pb)	33.4	1	25	11.21	89	75	125			

Alpha Analytical, Inc.

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Date: *14-Aug-12*

QC Summary Report

Work Order: 12080820

Sample Matrix Spike Duplicate Type: **MSD** Test Code: **EPA Method SW6020 / SW6020A**

File ID: **081012.B\025_M.D** Batch ID: **29227** Analysis Date: **08/10/2012 17:58**

Sample ID: **12080720-01AMSD** Units : **mg/Kg** Run ID: **ICP/MS_120810B** Prep Date: **08/09/2012 12:51**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Beryllium (Be)	24.5	1	25	0	98	75	125	23.15	5.7(20)	
Vanadium (V)	142	1	25	98.47	173	75	125	123.5	13.7(20)	M1
Chromium (Cr)	60.3	1	25	35.47	99	75	125	58.61	2.9(20)	
Cobalt (Co)	37.6	1	25	13.23	97	75	125	35.62	5.3(20)	
Nickel (Ni)	51.6	2	25	28.8	91	75	125	53.05	2.7(20)	
Copper (Cu)	47.5	2	25	24.06	94	75	125	45.53	4.2(20)	
Zinc (Zn)	115	20	25	105.6	36	75	125	108.2	5.7(20)	M3
Arsenic (As)	26.1	1	25	4.271	87	75	125	24.19	7.8(20)	
Selenium (Se)	22.1	1	25	0	88	75	125	21.34	3.5(20)	
Molybdenum (Mo)	23.5	1	25	0	94	75	125	22.34	5.0(20)	
Silver (Ag)	23.8	1	25	0	95	75	125	22.62	5.0(20)	
Cadmium (Cd)	23.6	1	25	0	94	75	125	22.38	5.2(20)	
Antimony (Sb)	23.4	1	25	0	94	75	125	22.46	4.2(20)	
Barium (Ba)	541	1	250	333.4	83	75	125	515.2	4.9(20)	
Mercury (Hg)	0.507	0.2	0.5	0	101	75	125	0.5141	1.5(20)	
Thallium (Tl)	23.5	1	25	0	94	75	125	22.37	4.9(20)	
Lead (Pb)	37.2	1	25	11.21	104	75	125	33.39	10.9(20)	

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

M1 = Matrix spike recovery was high, the method control sample recovery was acceptable.

M2 = Matrix spike recovery was low, the method control sample recovery was acceptable.

M3 = The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to the spike level. The method control sample recovery was acceptable.

Alpha Analytical, Inc.

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Date: *14-Aug-12*

QC Summary Report

Work Order: 12080820

Method Blank

Type: **MBLK** Test Code: **EPA Method SW6020 / SW6020A**

File ID: **081012.B\073_M.D** Batch ID: **29231** Analysis Date: **08/10/2012 22:27**

Sample ID: **MB-29231** Units : **mg/Kg** Run ID: **ICP/MS_120810C** Prep Date: **08/10/2012 21:30**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Beryllium (Be)	ND	1								
Vanadium (V)	ND	1								
Chromium (Cr)	ND	1								
Cobalt (Co)	ND	1								
Nickel (Ni)	ND	2								
Copper (Cu)	ND	2								
Zinc (Zn)	ND	20								
Arsenic (As)	ND	1								
Selenium (Se)	ND	1								
Molybdenum (Mo)	ND	1								
Silver (Ag)	ND	1								
Cadmium (Cd)	ND	1								
Antimony (Sb)	ND	1								
Barium (Ba)	ND	1								
Mercury (Hg)	ND	0.2								
Thallium (Tl)	ND	1								
Lead (Pb)	ND	1								

Laboratory Control Spike

Type: **LCS** Test Code: **EPA Method SW6020 / SW6020A**

File ID: **081012.B\074_M.D** Batch ID: **29231** Analysis Date: **08/10/2012 22:33**

Sample ID: **LCS-29231** Units : **mg/Kg** Run ID: **ICP/MS_120810C** Prep Date: **08/10/2012 21:30**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Beryllium (Be)	24.2	1	25		97	80	120			
Vanadium (V)	22.8	1	25		91	80	120			
Chromium (Cr)	22.8	1	25		91	80	120			
Cobalt (Co)	23.4	1	25		94	80	120			
Nickel (Ni)	24.1	2	25		96	80	120			
Copper (Cu)	24.9	2	25		99.6	80	120			
Zinc (Zn)	24.8	20	25		99	80	120			
Arsenic (As)	24.3	1	25		97	80	120			
Selenium (Se)	24.4	1	25		97	80	120			
Molybdenum (Mo)	23.8	1	25		95	80	120			
Silver (Ag)	24.7	1	25		99	80	120			
Cadmium (Cd)	24.2	1	25		97	80	120			
Antimony (Sb)	23.2	1	25		93	80	120			
Barium (Ba)	236	1	250		94	80	120			
Mercury (Hg)	0.426	0.2	0.5		85	80	120			
Thallium (Tl)	23.1	1	25		92	80	120			
Lead (Pb)	24.4	1	25		98	80	120			

Sample Matrix Spike

Type: **MS** Test Code: **EPA Method SW6020 / SW6020A**

File ID: **081012.B\079_M.D** Batch ID: **29231** Analysis Date: **08/10/2012 23:01**

Sample ID: **12080820-19AMS** Units : **mg/Kg** Run ID: **ICP/MS_120810C** Prep Date: **08/10/2012 21:30**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Beryllium (Be)	24.1	1	25	0	96	75	125			
Vanadium (V)	94.5	1	25	81.33	53	75	125			M2
Chromium (Cr)	41.9	1	25	22.55	77	75	125			
Cobalt (Co)	32	1	25	10.73	85	75	125			
Nickel (Ni)	37.6	2	25	14.61	92	75	125			
Copper (Cu)	40.7	2	25	20.14	82	75	125			
Zinc (Zn)	75.9	20	25	54.81	84	75	125			
Arsenic (As)	31.3	1	25	6.655	99	75	125			
Selenium (Se)	24	1	25	0	96	75	125			
Molybdenum (Mo)	23.8	1	25	0	95	75	125			
Silver (Ag)	24.8	1	25	0	99	75	125			
Cadmium (Cd)	24.4	1	25	0	98	75	125			
Antimony (Sb)	24.1	1	25	0	96	75	125			
Barium (Ba)	357	1	250	166.5	76	75	125			
Mercury (Hg)	0.47	0.2	0.5	0	94	75	125			
Thallium (Tl)	23.4	1	25	0	93	75	125			
Lead (Pb)	29.3	1	25	5.548	95	75	125			

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

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Date: *14-Aug-12*

QC Summary Report

Work Order: 12080820

Sample Matrix Spike Duplicate Type: **MSD** Test Code: **EPA Method SW6020 / SW6020A**

File ID: **081012.B\080_M.D** Batch ID: **29231** Analysis Date: **08/10/2012 23:07**

Sample ID: **12080820-19AMSD** Units : **mg/Kg** Run ID: **ICP/MS_120810C** Prep Date: **08/10/2012 21:30**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Beryllium (Be)	23.3	1	25	0	93	75	125	24.07	3.3(20)	
Vanadium (V)	82.4	1	25	81.33	4.4	75	125	94.54	13.7(20)	M2
Chromium (Cr)	38.2	1	25	22.55	62	75	125	41.86	9.3(20)	M2
Cobalt (Co)	31.8	1	25	10.73	84	75	125	31.99	0.6(20)	
Nickel (Ni)	36.8	2	25	14.61	89	75	125	37.64	2.3(20)	
Copper (Cu)	41.4	2	25	20.14	85	75	125	40.67	1.7(20)	
Zinc (Zn)	70.4	20	25	54.81	62	75	125	75.9	7.5(20)	M2
Arsenic (As)	32.1	1	25	6.655	102	75	125	31.34	2.2(20)	
Selenium (Se)	24.6	1	25	0	98	75	125	23.98	2.6(20)	
Molybdenum (Mo)	23.4	1	25	0	93	75	125	23.76	1.7(20)	
Silver (Ag)	25.4	1	25	0	102	75	125	24.83	2.4(20)	
Cadmium (Cd)	24.4	1	25	0	98	75	125	24.38	0.0(20)	
Antimony (Sb)	23.8	1	25	0	95	75	125	24.05	1.0(20)	
Barium (Ba)	339	1	250	166.5	69	75	125	356.9	5.2(20)	M2
Mercury (Hg)	0.41	0.2	0.5	0	82	75	125	0.4698	13.5(20)	
Thallium (Tl)	24.1	1	25	0	96	75	125	23.37	2.9(20)	
Lead (Pb)	28.3	1	25	5.548	91	75	125	29.26	3.4(20)	

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

M2 = Matrix spike recovery was low, the method control sample recovery was acceptable.

Billing Information :

CHAIN-OF-CUSTODY RECORD

NV

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : MGA12080820

Report Due By : 5:00 PM On : 15-Aug-12

Client:
McGinley & Associates, Inc.
815 Maestro Drive

Reno, NV 89511

Report Attention	Phone Number	EMail Address
Kurt Fehling	(775) 829-2245 x	kfehling@mcgin.com
Tony Dimpel	(775) 829-2245 x	tdimpel@mcgin.com
Tim Dory	(775) 829-2245 x	tdory@mcgin.com

EDD Required : **Yes**

Sampled by : T. Dimpel, K. Fehling

PO :

Client's COC # : 58626, 58624, 57982 Job : ALT002/Diamond X Properties

Cooler Temp	Samples Received	Date Printed
6 °C	07-Aug-12	08-Aug-12

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests METALS_SO	P_MOIST							Sample Remarks
MGA12080820-01A	ALT002-SS1	SO	08/06/12 10:05	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight
MGA12080820-02A	ALT002-SS2	SO	08/06/12 10:10	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight
MGA12080820-03A	ALT002-SS3	SO	08/06/12 10:18	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight
MGA12080820-04A	ALT002-SS4	SO	08/06/12 10:22	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight
MGA12080820-05A	ALT002-SS5	SO	08/06/12 10:28	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight
MGA12080820-06A	ALT002-SS6	SO	08/06/12 10:40	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight
MGA12080820-07A	ALT002-SS7	SO	08/06/12 10:45	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight
MGA12080820-08A	ALT002-SS8	SO	08/06/12 10:55	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight
MGA12080820-09A	ALT002-SS9	SO	08/06/12 11:00	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight
MGA12080820-10A	ALT002-SS10	SO	08/06/12 11:40	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight

Comments: Sample brought in by client on 8/7/12, kept cold and secure until login on 8/8/12. Frozen ice. Samples received after 16:00 cut off time, therefore one day added to TAT. Report in dry weight, per Tony. :

	Signature	Print Name	Company	Date/Time
Logged in by:	KMurray	K Murray	Alpha Analytical, Inc.	8/8/12 0915

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

NV

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : MGA12080820

Report Due By : 5:00 PM On : 15-Aug-12

Client:
McGinley & Associates, Inc.
815 Maestro Drive

Reno, NV 89511

Report Attention	Phone Number	EMail Address
Kurt Fehling	(775) 829-2245 x	kfehling@mcgin.com
Tony Dimpel	(775) 829-2245 x	tdimpel@mcgin.com
Tim Dory	(775) 829-2245 x	tdory@mcgin.com

EDD Required : **Yes**

Sampled by : T. Dimpel, K. Fehling

PO :

Client's COC # : 58626, 58624, 57982 Job : ALT002/Diamond X Properties

Cooler Temp	Samples Received	Date Printed
6 °C	07-Aug-12	08-Aug-12

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	METALS_SO	P_MOIST							Sample Remarks
							Requested Tests								
MGA12080820-11A	ALT002-SS11	SO	08/06/12 11:45	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight
MGA12080820-12A	ALT002-SS12	SO	08/06/12 11:50	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight
MGA12080820-13A	ALT002-SS13A	SO	08/06/12 11:55	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight
MGA12080820-14A	ALT002-SS13B	SO	08/06/12 11:55	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight
MGA12080820-15A	ALT002-SS13C	SO	08/06/12 11:55	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight
MGA12080820-16A	ALT002-SS14	SO	08/06/12 12:00	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight
MGA12080820-17A	ALT002-SS15	SO	08/06/12 12:50	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight
MGA12080820-18A	ALT002-SS16	SO	08/06/12 12:55	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight
MGA12080820-19A	ALT002-SS17	SO	08/06/12 13:05	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight
MGA12080820-20A	ALT002-BG1	SO	08/06/12 09:45	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight

Comments: Sample brought in by client on 8/7/12, kept cold and secure until login on 8/8/12. Frozen ice. Samples received after 16:00 cut off time, therefore one day added to TAT. Report in dry weight, per Tony. :

	Signature	Print Name	Company	Date/Time
Logged in by:	K Murray	K Murray	Alpha Analytical, Inc.	8/9/12 0915

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

NV

WorkOrder : MGA12080820

Report Due By : 5:00 PM On : 15-Aug-12

Client:
McGinley & Associates, Inc.
815 Maestro Drive

Reno, NV 89511

Report Attention	Phone Number	EMail Address
Kurt Fehling	(775) 829-2245 x	kfehling@mcgin.com
Tony Dimpel	(775) 829-2245 x	tdimpel@mcgin.com
Tim Dory	(775) 829-2245 x	tdory@mcgin.com

EDD Required : **Yes**

Sampled by : T. Dimpel, K. Fehling

PO :

Client's COC # : 58626, 58624, 57982 Job : ALT002/Diamond X Properties

Cooler Temp	Samples Received	Date Printed
6 °C	07-Aug-12	08-Aug-12

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests: METALS_SO	P_MOIST							Sample Remarks
MGA12080820-21A	ALT002-BG2	SO	08/06/12 09:55	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight
MGA12080820-22A	ALT002-BG3	SO	08/06/12 10:00	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight
MGA12080820-23A	ALT002-BG4	SO	08/06/12 11:25	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight
MGA12080820-24A	ALT002-BG5	SO	08/06/12 11:30	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight
MGA12080820-25A	ALT002-BG6	SO	08/06/12 11:35	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight
MGA12080820-26A	ALT002-BG7	SO	08/06/12 12:35	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight
MGA12080820-27A	ALT002-BG8	SO	08/06/12 12:40	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight
MGA12080820-28A	ALT002-BG9	SO	08/06/12 12:45	1	0	5	CAM_17_TTLC	Percent Moisture							Report in dry weight

Comments: Sample brought in by client on 8/7/12, kept cold and secure until login on 8/8/12. Frozen ice. Samples received after 16:00 cut off time, therefore one day added to TAT. Report in dry weight, per Tony. :

	Signature	Print Name	Company	Date/Time
Logged in by:	K Murray	K Murray	Alpha Analytical, Inc.	8/8/12 0915

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

58626

Billing Information:

Company Name: MGA to issue PO
Attn:
Address
City, State, Zip
Phone Number _____ Fax _____

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21
Sparks, Nevada 89431-5778
Phone (775) 355-1044
Fax (775) 355-0406

Samples Collected From Which State?
AZ ____ CA ____ NV X WA ____ DOD Site ____
ID ____ OR ____ OTHER ____

Consultant / Client Name: MGA
Address
City, State, Zip

Job #: ALT002
Job Name: Diamond X Properties

Report Attention / Project Manager
Name: Kurt Fehling
Email: kfehling@mgain.com + tdimpel@mgain.com
Phone: _____ Mobile: _____

Analyses Required: CAM17

Data Validation Level: III or IV

EDD / EDF? YES X NO ____
Global ID #

Time Sampled	Date Sampled	Matrix* See Key Below	P.O. # / Lab ID Number (Office Use Only)	Sample Description	TAT	Field Filtered	# Containers**	CAM17							REMARKS
1005	8/6	SO	MGA12080820-01	ALT002-SS1	5		15	X							
1010			02	" " -SS2											
1012			03	" " -SS3											
1022			04	" " -SS4											
1028			05	" " -SS5											
1040			06	" " -SS6											
1045			07	" " -SS7											
1055			08	" " -SS8											
1100			09	" " -SS9											
1140			10	" " -SS10											
1145			11	" " -SS11											
1150			12	" " -SS12											
1155			13	" " -SS13A											

FOR LAB USE ONLY

ADDITIONAL INSTRUCTIONS: A cost of $105/sample was agreed upon for this project

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled By: T. Dimpel + K. Fehling

Relinquished by: (Signature/Affiliation)	Received by: (Signature/Affiliation)	Date:	Time:
MGA	Alpha	8/7/12	1730
Relinquished by: (Signature/Affiliation)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature/Affiliation)	Received by: (Signature/Affiliation)	Date:	Time:

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other AR - Air **: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.

58624

Billing Information:

Company Name: MGA to issue PO

Attn:

Address

City, State, Zip

Phone Number: Fax:

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21
Sparks, Nevada 89431-5778
Phone (775) 355-1044
Fax (775) 355-0406

Samples Collected From Which State?
AZ ___ CA ___ NV X WA ___ DOD Site ___
ID ___ OR ___ OTHER ___

Page # 2 of 3

Consultant / Client Name: MGA

Address

City, State, Zip

Job #: ALT002

Job Name: Diamond X Properties

Report Attention / Project Manager
Name: Kurt Fehling
Email:
Phone: Mobile:

Analyses Required: CAM17

Data Validation Level: III or IV

EDD / EDF? YES X NO

Global ID #

Time Sampled	Date Sampled	Matrix* See Key Below	P.O. # / Lab ID Number (Office Use Only)	Sample Description	TAT	Field Filtered	# Containers**	CAM17							REMARKS
1155	8/6	SO	MGA12080820-14	ALT002-SS13B	5		15	X							
1155			15	" " -SS13C											
1200			16	" " -SS14											
1250			17	" " -SS15											
1255			18	" " -SS16											
1305			19	" " -SS17											
945			20	" " -B61											
955			21	" " -B62											
1000			22	" " -B63											
1105			23	" " -B64											
1130			24	" " -B65											
1135			25	" " -B66											
1235			26	" " -B67											

FOR LAB USE ONLY

ADDITIONAL INSTRUCTIONS:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled By: T. Dingel & K. Fehling

Relinquished by: (Signature/Affiliation)	Received by: (Signature/Affiliation)	Date:	Time:
Tony D MGA	Alpha	8/7/12	1730
Relinquished by: (Signature/Affiliation)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature/Affiliation)	Received by: (Signature/Affiliation)	Date:	Time:

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other AR - Air **: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.

Billing Information:

Company Name: MGA to issue PO
Attn:
Address
City, State, Zip
Phone Number: Fax:

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21
Sparks, Nevada 89431-5778
Phone (775) 355-1044
Fax (775) 355-0406

57982

Samples Collected From Which State? AZ ___ CA ___ NV ___ WA ___ DOD Site ___ ID ___ OR ___ OTHER ___

Page # 3 of 3

Consultant / Client Name: MGA
Address
City, State, Zip

Job #: ALTOOA
Job Name: Diamond Properties

Report Attention / Project Manager
Name: Kurt Fehling
Email:
Phone: Mobile:

Analyses Required: CAM17

Data Validation Level: III or IV

EDD / EDF? YES ___ NO ___
Global ID #

Time Sampled	Date Sampled	Matrix* See Key Below	P.O. # / Lab ID Number (Office Use Only)	Sample Description	TAT	Field Filtered	# Containers**	CAM17							REMARKS
1240	8/6	SO	MGA12080820-27	Altoo - BG8	5		15	X							
1245			28	" " - BG9	5		15	X							

FOR LAB USE ONLY

ADDITIONAL INSTRUCTIONS:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled By: T. Dimpel + K. Fehling

Relinquished by: (Signature/Affiliation)	Received by: (Signature/Affiliation)	Date:	Time:
Tony D MGA	Alpha	8/7/12	1730
Relinquished by: (Signature/Affiliation)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature/Affiliation)	Received by: (Signature/Affiliation)	Date:	Time:

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other AR - Air **: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.