SUMMARY OF SOIL CHARACTERIZATION SAMPLING at BERRIMAN RANCH PROPERTY APNs 22-140-03 and 22-160-03 Nevada County, California

Prepared for: Asset Property Group 7969 Engineer Road, Suite 108 San Diego, California 92111

Prepared by: Holdrege & Kull 792 Searls Avenue Nevada City, California 95959

> Project No. 1746-05 August 9, 2007



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Asset Property Group 7969 Engineer Road, Suite 108 San Diego, California 92111

Attention:

Mr. Fred Oliver

Reference: Berriman Ranch Property

APNs 22-140-03 and 22-160-03

11460 Taylorville Road Nevada County, California

Subject:

Summary of Soil Characterization Sampling

Dear Mr. Oliver:

This letter presents the results of Holdrege & Kull's (H&K's) soil characterization sampling at the Berriman Ranch property located at 11460 Taylorville Road in Nevada County, California. The assessor's parcel numbers (APNs) for the property are 22-140-03 and 22-160-03. We performed our investigation in general accordance with the scope of services presented in our proposal dated May 3, 2007.

Please contact us if you have any questions regarding our observations, conclusions or preliminary recommendations presented in this report.

Sincerely,

HOLDREGE & KULI

Prepared by:

Sean Dunbar.

Project Geologis (A)

Reviewed by

Principal

copies: 2 to Asset Property Group/ Attn: Fred Oliver

1 to Kent Holdings and Affiliates/ Attn: Sandy Kahn

1 to NCDEH/ Attn: Wesley Nicks

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1 INTRODUCTION

1.1 SITE DESCRIPTION

The approximately 121-acre Berriman Ranch property is located on a southwest-facing slope immediately west of Taylorville Road and Highway 49, approximately 650 feet south of the intersection of Highway 49 and McKnight Way. The site is accessed via Taylorville Road southeast of the McKnight Way and State Highway 49 interchange. A site vicinity map and site map are presented as Figures 1 and 2, respectively.

A single-family residence, barn and several outbuildings are located in the central portion of the property. The remainder of the property was undeveloped at the time of our investigation.

Single-family residential and agricultural properties are located east of Taylorville Road and west of Highway 49, near the eastern site boundary. Residential and commercial properties (K-Mart shopping center) border the site to the north. Residential agricultural properties border the property to the west, and residential properties are located to the south of the site.

As depicted on Figure 1, Little Wolf Creek is located approximately 1,500 feet northeast of the property, on the northeast side of Highway 49. Little Wolf Creek flows west into Wolf Creek approximately 2,100 feet north of the property. Wolf Creek flows south and east from the confluence and forms the southwestern boundary of the property.

1.2 SCOPE OF SERVICES

During a soil evaluation for wastewater disposal, the Nevada County Department of Environmental Health (NCDEH) identified soil conditions in the central portion of the property which are indicative of mine waste. Based on recommendations from NCDEH, a representative of the property owners obtained two surface soil samples in April 2007, which were analyzed for Title 22 metals. Arsenic and mercury concentrations detected in the soil samples were higher than arsenic and mercury concentrations typically encountered in background soil in the area.

Pursuant to additional discussion with NCDEH, H&K performed an environmental site assessment (ESA), the results of which are presented in *Phase I Environ*-

mental Site Assessment of Berriman Ranch Property (August 7, 2007). The ESA identified:

- 1. Apparent mill tailings in the central portion of the property, which were reportedly transported to the property and deposited on the ground surface via irrigation water from Little Wolf Creek.
- 2. The potential for past pesticide application associated with a fruit orchard formerly located on the property.
- 3. Small-scale hard rock and placer mining excavations and stockpiles of apparent excavation spoils, in three locations on the property.

One of the small-scale mining features identified in the ESA was previously investigated by H&K in November 2002. Findings of the investigation were summarized in H&K's Summary of Percolation Testing, Soil Sampling and Laboratory Test Results (December 19, 2002).

1.3 PURPOSE AND SCOPE

The purpose of H&K's soil characterization sampling was to evaluate the following soil conditions with respect to potential environmental conditions identified in H&K's ESA report:

- 1. Metals concentrations in apparent mill tailings transported to the site by irrigation water.
- 2. Potential residual organochlorine pesticides (OCPs) in shallow soil within the former orchard area.
- 3. Metals concentrations in small-scale mining excavation spoils identified in three general areas:
 - a. Hard rock mining spoils located in the southern portion of the property,
 - b. Placer mining spoils located in the southern portion of the property, and
 - c. Placer mining spoils located in the western portion of the property.
- 4. Ambient metals concentrations in shallow "background" soil on the property, which is apparently not impacted by past site use.

The results of H&K's soil characterization sampling are not intended to guarantee the condition of the site. Rather, our findings are to be used to facilitate a discussion of the identified environmental conditions with NCDEH and to determine whether additional characterization and/or mitigation would be necessary with respect to the proposed development of the property.

2 FIELD INVESTIGATION

H&K performed site reconnaissance on foot and by four-wheel drive vehicle on May 31, 2007. The ground surface was generally visible over the majority of the site. Blackberry thickets obscured the ground surface in portions of the southern half of the property, especially in low-lying areas near Wolf Creek. We were unable to observe surface soil conditions in the densely vegetated areas.

On June 8 and July 19, 2007, H&K excavated 51 exploratory trenches at the site and recorded the subsurface soil conditions encountered in the trenches. Figure 2 depicts the approximate locations of the exploratory trenches. The results of our surface reconnaissance and subsurface investigation are summarized below.

2.1 WHITE SEDIMENT AREA

A layer of sediment, described as white silt and clay was visible at the ground surface in multiple locations within the central-eastern portion of the site, generally surrounding the barn and residence area. Figure 2 depicts the approximate extent of the sediment observed during H&K's investigation. According to William Berriman (the former property owner), the sediment originated as a result of past irrigation of the orchard and pasture at the ranch with water from Little Wolf Creek. Mr. Berriman's recollection was that the water in Little Wolf Creek commonly looked milky white and carried sediment and/or mill tailings from the workings of the Empire Mine.

H&K excavated exploratory trenches in areas that appeared likely to have been irrigated in the past. H&K selected trench locations based upon observation of topography and drainage, as well as surface soil and vegetation patterns evident in historical aerial photographs of the site.

Based on our observation of soil conditions revealed in the exploratory trenches, the white sediment layer varies in thickness from approximately 0.5 feet to 3.5 feet, and covers an approximate surface area of 29 acres. Assuming that the average thickness of the layer is eight inches, roughly 30,000 cubic yards of white sediment

may be present at the site. Sediment depths may be greater in low-lying areas and within drainage courses.

An irrigation riser was observed in the southeastern portion of the sediment area. Several former irrigation ditches were evident in the central portion of the site to the south and southwest of the barn and the residence.

2.2 FORMER ORCHARD AREA

Remnant fruit trees were observed at several locations within the central-eastern portion of the property. Surface soil samples were obtained from these areas for OCP analysis, as discussed in the following section.

2.3 SOUTHERN HARD ROCK MINING SPOILS

At the southern end of the property, within the boundary of the former Horseshoe Mine claim, H&K observed hard rock mining excavations and small stockpiles of apparent mining exploration spoils. We observed two vertical mine shafts, which were open to depths up to and possibly greater than 40 feet. Small stockpiles (approximately 10 cubic yards each) of apparent hard rock mining excavation spoils were observed next to the open excavations. Figure 2 depicts these locations as SP1 and SP2.

2.4 SOUTHERN PLACER MINING SPOILS

H&K observed apparent placer mining excavation within 175 feet of Wolf Creek, near the western property boundary and within the boundary of the former Horseshoe Mine claim. The locations of the features (SP3-1, BR-PM1, BR-PM2 and BR-PM3) are depicted on Figure 2. The identified stockpiles of apparent placer excavation spoils totaled less than 40 cubic yards. Much of the ground surface in the vicinity of the placer mining areas was obscured by blackberry thickets.

2.5 WESTERN PLACER MINING SPOILS

Within an east-west trending drainage in the western portion of the property, we observed an area containing several placer mining excavations and small stockpiles of apparent excavation spoils. The volume of excavation spoils was estimated to be less than 200 cubic yards. Figure 2 shows the location of this area.

3 SOIL SAMPLING AND ANALYSIS

H&K obtained 43 soil samples from the exploratory trenches for laboratory analysis. Soil samples were collected in 4-ounce glass jars, which were immediately sealed and labeled upon collection. The samples were transported to Excelchem Environmental Labs of Rocklin, California, using chain of custody documentation. Excelchem is certified by the California Environmental Laboratory Accreditation Program (ELAP).

Tables 1 through 4 present the laboratory results. Laboratory reports and chain of custody documentation are attached. Sampling and analysis are summarized below.

3.1 AMBIENT SOIL

Ten "background" soil samples were obtained from the upper six inches of apparent native soil in areas apparently not impacted by past site use. The samples were analyzed for total arsenic and lead by U.S. Environmental Protection Agency (EPA) Method 6010B and mercury by EPA Method 7471A. Arsenic was not detected above a laboratory reporting limit of 1 milligram per kilogram (mg/kg). Lead concentrations ranged from 7 to 36 mg/kg. Mercury concentrations ranged from 0.012 to 0.3 mg/kg. Table 1 summarizes the laboratory results.

3.2 WHITE SEDIMENT AREA

Twenty-three soil samples of white sediment and associated native soil were analyzed for total arsenic, lead and mercury. Arsenic concentrations ranged from 47.9 to 488 mg/kg in the white sediment. Lead ranged from 47.5 to 702 mg/kg, and mercury ranged from 4.63 to 8.06 mg/kg. Table 2 summarizes the laboratory results.

These concentrations are above the corresponding range of site background concentrations, as discussed above, as well as the typical range of background concentrations for the site vicinity. Background soil arsenic concentrations in the Grass Valley area typically range up to 20 mg/kg, and may be higher in naturally mineralized areas. Some of the arsenic and lead concentrations detected in the white sediment exceed the corresponding California Human Health Screening Levels (CHHSLs) for residential soil (0.07 mg/kg for arsenic, 150 mg/kg for lead and 18 mg/kg for mercury).

In addition to the samples obtained by H&K, two samples of the white sediment were obtained by others and analyzed for seventeen Title 22 metals. Arsenic, lead and mercury were detected above site background concentrations in the samples. Table 3 presents the sample results.

3.3 FORMER ORCHARD AREA

Four soil samples (T-26BR-0.5, T-27BR-0.5, T-28BR-0.5 and T-35BR-0.5) obtained within the upper six inches of soil in former orchard areas were analyzed for OCPs by EPA Method 8081A. OCPs were not detected in the four soil samples above the corresponding laboratory reporting limits.

3.4 SOUTHERN HARD ROCK MINING SPOILS

Four soil samples (SP1-1, SP1-2, SP2-1 and SP2-2) were obtained from depths ranging from 0.5 to 4 feet below the surface of stockpiles SP1 and SP2 and analyzed for total arsenic, lead and mercury. Arsenic concentrations ranged from less than 1.0 to 11.8 mg/kg. Lead concentrations ranged from less than 1.0 to 2.1 mg/kg. Mercury concentrations ranged from 0.01 to 0.03 mg/kg. Table 4 presents the laboratory results.

The arsenic concentrations exceed site background concentrations (which are below the laboratory reporting limit) but are within the range of regional background concentrations (up to 20 mg/kg). Lead and mercury were detected within the range of site background concentrations.

3.5 SOUTHERN PLACER MINING SPOILS

Four soil samples (SP3-1, BR-PM1, BR-PM2 and BR-PM3) were obtained from the upper six inches of the placer mining spoils located in the southern portion of the site. The four samples were analyzed for total arsenic, lead and mercury. Arsenic concentrations ranged from less than 1.0 to 9.9 mg/kg in three of the samples; arsenic was detected in the fourth sample (BR-PM3) at a concentration of 96.7 mg/kg. Lead concentrations ranged from 9.7 to 12.3 mg/kg in three of the samples; lead was detected in sample BR-PM3 at 104 mg/kg. Mercury concentrations ranged from 0.092 to 0.162 mg/kg. Table 4 presents the laboratory results.

Arsenic and lead concentrations detected in sample BR-PM3 exceed site and regional background concentrations. Other arsenic concentrations are within the regional background range, and lead is within the site background range. Mercury concentrations are above the range of site background concentrations (up to 0.03 mg/kg) but below the CHHSL (18 mg/kg) for mercury in residential soil.

3.6 WESTERN PLACER MINING SPOILS

Two soil samples (BR-PM4 and BR-PM5) were obtained from the upper six inches of the surface of the placer mining spoils located in the western portion of the site and were analyzed for total arsenic, lead and mercury. Arsenic was not detected above a reporting limit of 1.0 mg/kg. Lead concentrations were 6.8 and 10.5 mg/kg. Mercury concentrations were 0.213 and 2.04 mg/kg. Table 4 presents the laboratory results.

Arsenic and lead concentrations are within the site background range. Mercury concentrations are above the range of site background concentrations (up to 0.03 mg/kg) but below the CHHSL (18 mg/kg) for mercury in residential soil.

4 CONCLUSIONS

The following conclusions are based on H&K's historical research, surface reconnaissance, observation of subsurface conditions encountered in the exploratory trenches, and review of laboratory test results.

- 1. Arsenic, lead and mercury concentrations detected in soil samples obtained from the layer of white sediment exceed site and regional background concentrations. The arsenic concentrations, as well as some of the lead concentrations, exceed the CHHSLs for arsenic and lead in residential soil and therefore may present a health risk in the case of soil ingestion, dermal contact, or inhalation of soil dust. The white sediment was observed in approximately 29 acres of the central-eastern portion of the site, as depicted on Figure 2. The sediment may have originated from the irrigation of former orchard and pasture land using water from Little Wolf Creek, which is known to have transported mill tailings from up slope mine workings.
- OCPs were not detected in the four soil samples obtained from the former orchard area. The laboratory results indicate that the potential human health hazard associated with such residual pesticide compounds in soil is not likely to be significant.
- 3. Arsenic, lead and mercury concentrations detected in the southern hard rock mining spoils are within the range of regional background concentrations and therefore are not likely to present a significant health hazard. However, the open excavations present potential physical hazards and confined space conditions, and are not suitable in their present state to support structural

improvements. Other mining excavations may be present on the property, and mining excavations may extend beneath the site from adjacent property.

- 4. Arsenic and lead concentrations detected in one sample (BR-PM3) obtained from the southern placer mining spoils exceed regional background concentrations. Soil represented by sample BR-PM3 may present a health hazard, and contact with the soil should be avoided. Other arsenic and lead concentrations detected in the area are within the regional background range, and mercury concentrations are below the CHHSL for mercury in residential soil.
- 5. Arsenic and lead concentrations detected in the western placer mining spoils are within the range of site background concentrations, and the detected mercury concentrations are below the CHHSL for mercury in residential soil. Therefore, soil in the western placer mining spoils is not likely to present a significant health hazard.

5 RECOMMENDATIONS

H&K makes the following recommendations based on the findings of our investigation.

- 1. The potential for human health risk associated with the white sediment identified on the property should be considered as part of the proposed residential development. The proposed development may be modified to avoid the area of sediment. The sediment should be removed from areas in which residential development is planned. Land use controls (such as deed restriction) as well as engineering controls (such as excavation, relocation and burial and/or fencing) should be considered as potential mitigation measures. Development of mitigation measures should include an assessment of potential water quality impact. The amount of sediment identified on the property will likely preclude its complete removal from the site. Potential mitigation measures should be discussed with the local development agencies.
- The mining excavations identified at locations SP1 and SP2 in the southern portion of the site present physical hazards and may not be suitable for support of structural improvements. The excavations should be closed to address the possibility of entrapment, collapse, hazardous confined space

conditions and other physical hazards. Temporary measures are appropriate to reduce the existing physical hazards. Final physical closure of the excavations should be performed in accordance with recommendations from a qualified geotechnical engineer and with the approval of the County of Nevada.

3. Soil represented by sample BR-PM3 obtained from the southern placer mining spoils should be further characterized to determine whether the sample result is anomalous. Mitigation measures for soil having elevated metals concentrations may be similar to those discussed above for the white sediment area, although the quantity of potentially impacted placer mining spoils is far less.

6 LIMITATIONS

The following limitations apply to the findings, conclusions and recommendations presented in this report:

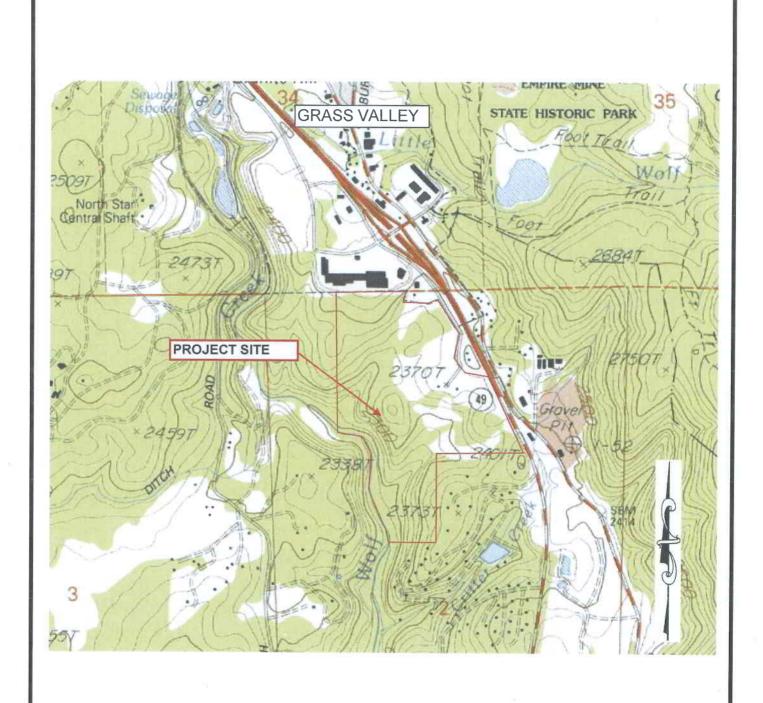
- We have performed this work in accordance with present, regional, generally accepted standards of care. This letter does not represent a legal opinion. No warranty, expressed or implied, including any implied warranty of merchantability or fitness for the purpose is made or intended in connection with our work.
- 2. The purpose of our study was not to guarantee or certify a clean site, but to characterize surface soil and stockpiles of apparent mine waste located at the site. We have used our judgment and experience to arrive at our conclusions. Therefore, our conclusions are not to be considered scientific certainties. The recommendations provided herein are contingent upon our review of future sampling results or any other pertinent information that becomes available.
- 3. These services were performed consistent with our agreement with our client. We are not responsible for the impacts of any changes in environmental standards, practices or regulations subsequent to performance of our services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this letter. This letter is solely for the use of our client. Any reliance on this letter by a third party is at the risk of that party.

- 4. The recommendations and conclusions in this letter are preliminary in nature based on existing site conditions; our interpretation of site history and site usage information; and the results of the limited subsurface investigation, sample screening, and laboratory analyses. The concentrations detected in the samples we collected during our site investigation may not be representative of conditions between locations sampled. Other forms of contamination may be present within the site that our limited investigation did not detect.
- 5. The findings of this letter are valid as of the present date. Changes in the conditions of the property can occur with the passage of time. The changes may be due to natural processes or to the works of man, on the project site or adjacent properties. In addition, changes in applicable or appropriate standards can occur, whether they result from legislation or the broadening of knowledge. Changes in regulations, interpretations, and/or enforcement policies may occur at any time. Such changes may affect the extent of remediation required.
- 6. Our scope of work did not include determining the presence of radon, lead paint, or asbestos, endangered species, geologic hazards, archeological sites, or ecologically sensitive areas (e.g., vernal pools and wetlands).

FIGURES

Figure 1 Site Vicinity Map

Figure 2 Site Map



SOURCE: GRASS VALLEY QUADRANGLE MAP (PROVISIONAL EDITION, 1995)



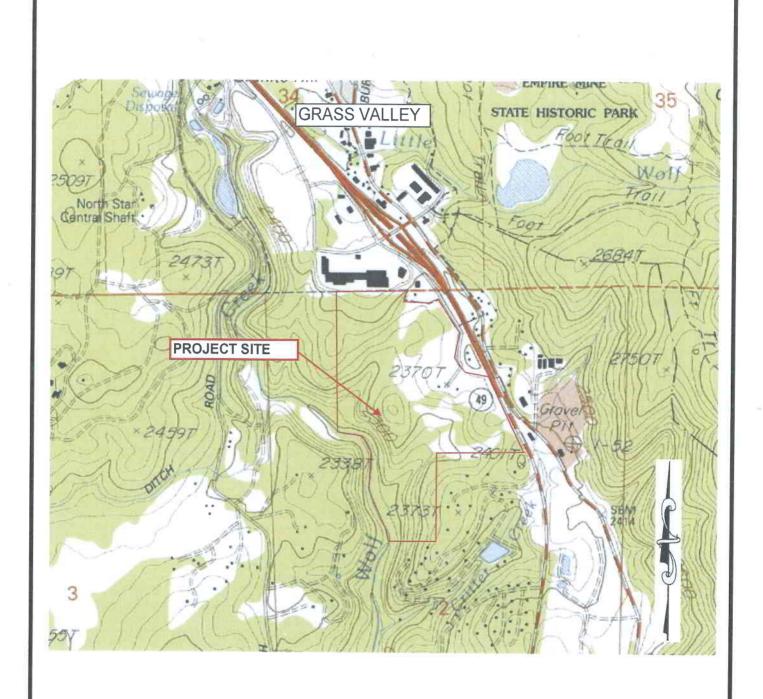
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SITE VICINITY MAP

BERRIMAN RANCH

APNs 22-140-03 AND 22-160-03 NEVADA COUNTY, CALIFORNIA PROJECT NO. 1746-03

AUGUST 2007



SOURCE: GRASS VALLEY QUADRANGLE MAP (PROVISIONAL EDITION, 1995)



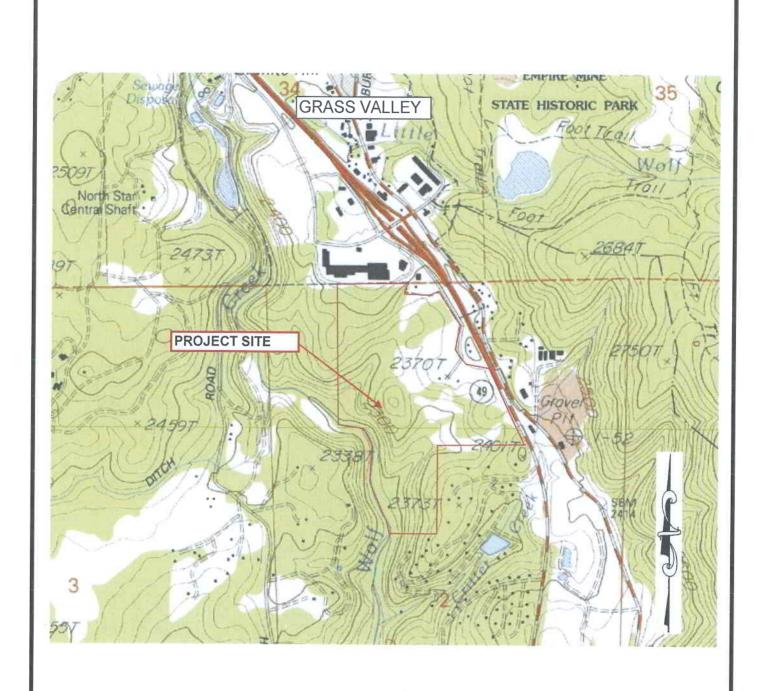
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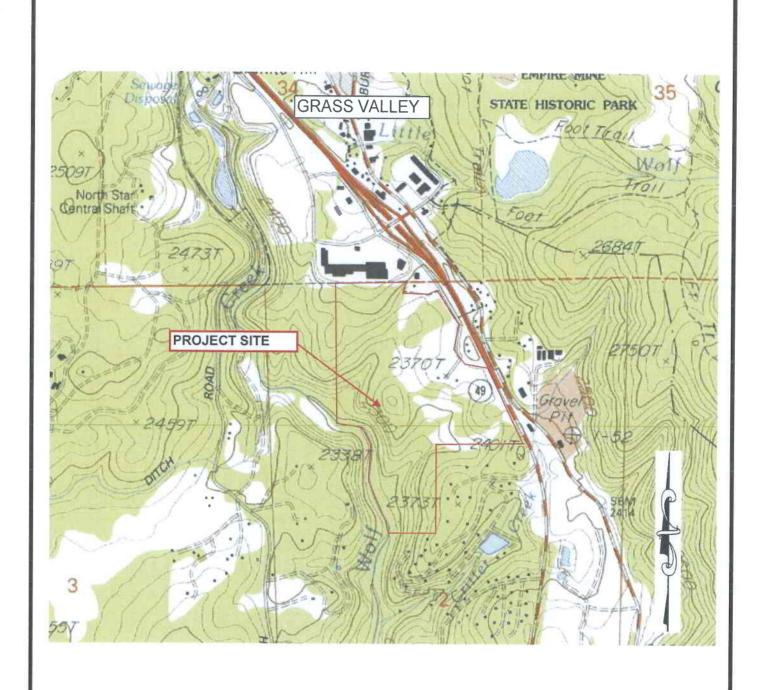
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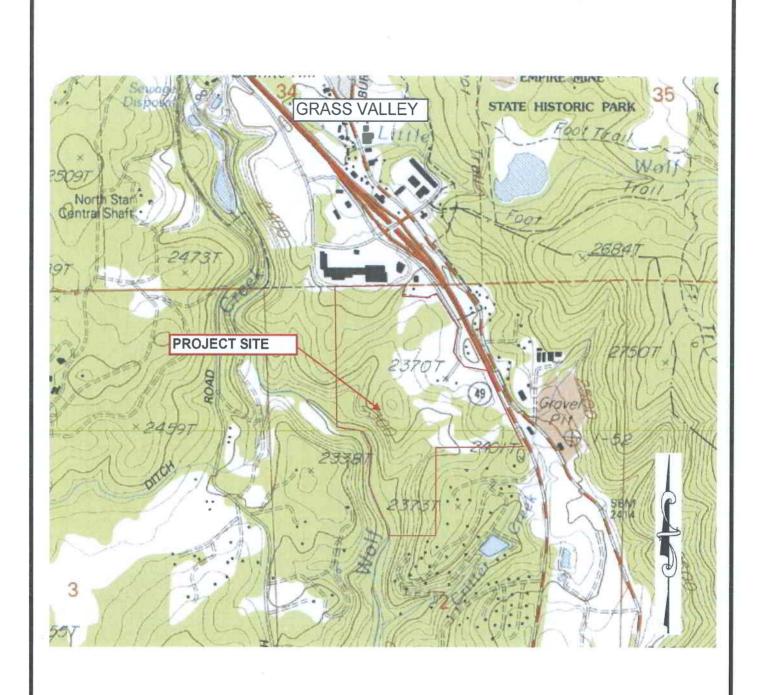
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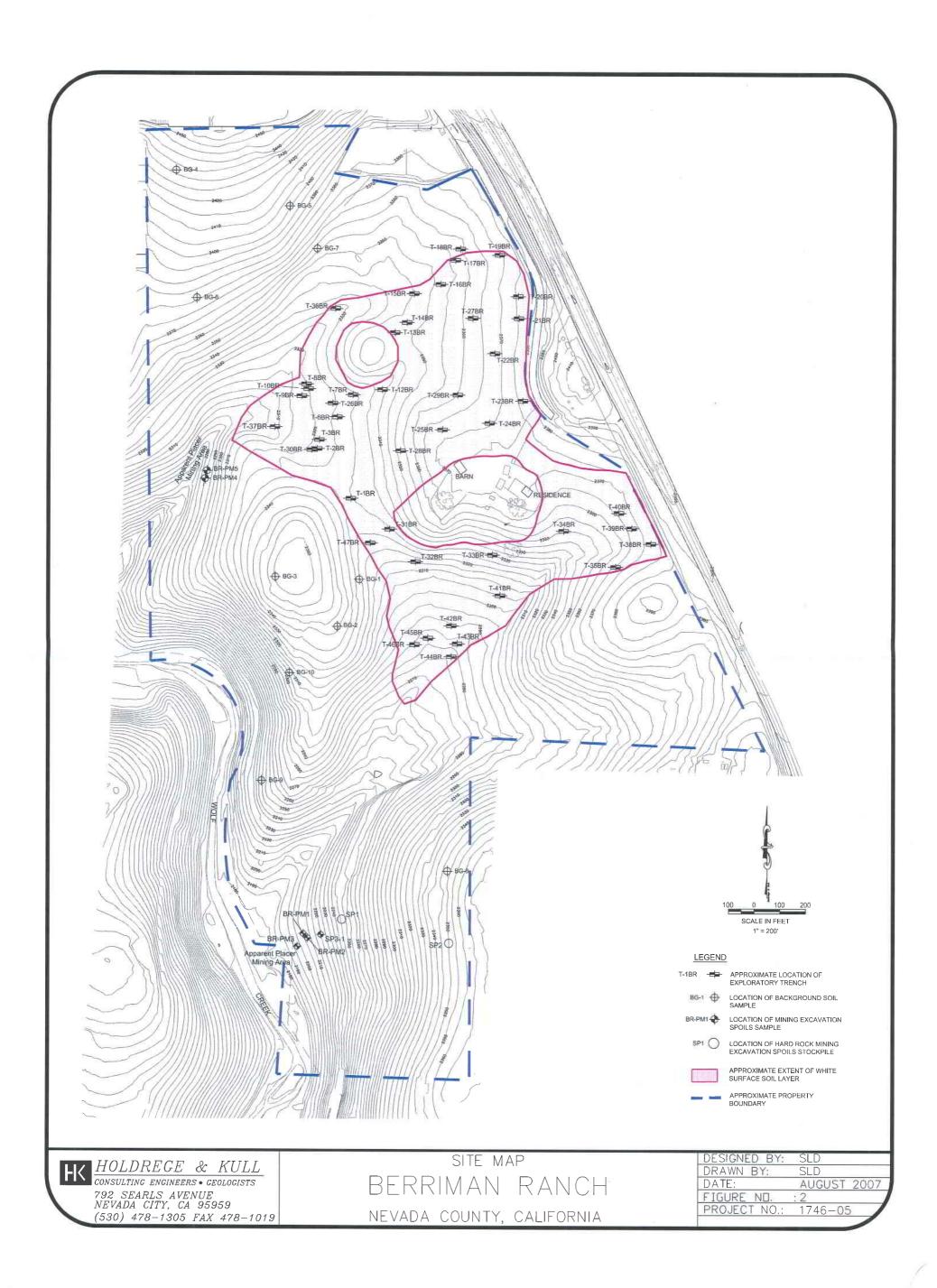
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SITE VICINITY MAP

BERRIMAN RANCH

APNs 22-140-03 AND 22-160-03 NEVADA COUNTY, CALIFORNIA PROJECT NO. 1746-03

AUGUST 2007



TABLES

Table 1	Total Metals in Ambient Soil
Table 2	Total Metals in White Sediment and Associated Soil
Table 3	Title 22 Metals in Soil Samples
Table 4	Total Metals in Mining Excavation Spoils

Table 1 - Total Metals in Ambient Soil Berriman Ranch Property

Nevada County, California

	Test Me	thod: EPA 60	10 / 7471A (mg	g/kg)	建 基本 (水型)。
Sample ID	Sample Date	Sample Depth (feet)	Arsenic	Lead	Mercury
BG-1	6/8/2007	0.5	ND<1.0	36	0.3
BG-2	6/8/2007	0.5	ND<1.0	15.1	0.192
BG-3	6/8/2007	0.5	ND<1.0	13.3	0.161
BG-4	7/19/2007	0.5	ND<1.0	14.5	0.012
BG-5	7/19/2007	0.5	ND<1.0	18.5	0.121
BG-6	7/19/2007	0.5	ND<1.0	17.5	0.153
BG-7	7/19/2007	0.5	ND<1.0	16.2	0.276
BG-8	7/19/2007	0.5	ND<1.0	9.7	0.117
BG-9	7/19/2007	0.5	ND<1.0	7.0	0.136
BG-10	7/19/2007	0.5	ND<1.0	10.2	0.229

Notes:

EPA = U.S. Environmental Protection Agency

mg/kg = milligrams per kilogram

ND< = Not detected above referenced laboratory reporting limit

Table 2 - Total Metals in White Sediment and Associated Soil
Berriman Ranch Property

Nevada County, California

	Test N	lethod: EPA 60	10 / 7471A (r	ng/kg)	
Sample ID	Sample Date	Sample Depth (feet)	Arsenic	Lead	Mercury
T-1BR-0.5	7/19/2007	0.5	134	107	8.7
T-3BR-0.5	6/8/2007	0.5	64.3	133	4.8
T-3BR-3.0'	6/8/2007	3	ND<1.0	ND<1.0	0.166
T-9BR-0.5'	6/8/2007	0.5	47.9	142	5.39
T-9BR-2.2'	6/8/2007	2.2	ND<1.0	ND<1.0	ND<1.0
T-12BR-0.5	6/8/2007	0.5	58.2	150	4.9
T-12BR-2.0'	6/8/2007	2.0	335	75.9	8.06
T-12BR-3:0'	7/19/2007	3.0	68.3	47.5	6.23
T-18BR-0.5	6/8/2007	0.5	5.6	4.1	0.313
T-23BR-0.5	6/8/2007	0.5	287	476	6.91
T-23BR-2.0	7/19/2007	2.0	166	105	7.87
T-25BR-0.5	6/8/2007	0.5	192	302	6.12
T-25BR-1.5	7/19/2007	1.5	131	105	5.80
T-26BR-0.5 1	7/19/2007	0.5	222	176	5.68
T-27BR-0.5	7/19/2007	0.5	76.6	92	5.32
T-28BR-0.5 1	7/19/2007	0.5	180	199	6.48
T-29BR-0.5	7/19/2007	0.5	87.5	117	6.25
T-30BR-0.5	7/19/2007	0.5	ND<1.0	10	1.30
T-31BR-0.5	7/19/2007	0.5	148	92	5.29
T-32BR-0.5	7/19/2007	0.5	358	398	6.38
T-33BR-0.5	7/19/2007	0.5	488	702	6.09
T-34BR-0.5	7/19/2007	0.5	123	171	5.08
T-35BR-0.5	-	0.5	286	130	4.63

Notes:

Shaded cells indicate samples that were obtained from within the white layer of surface soil.

1 = Soil samples were also analyzed for organochlorine pesticides (OCPs) by EPA Method 8081A. OCPs were not detected in the soil samples.

EPA = U.S. Environmental Protection Agency

mg/kg = milligrams per kilogram

ND< = Not detected above referenced laboratory reporting limit

		White ex-	Zinc	74.7	103
		THE REAL PROPERTY.	muibsneV	25.9	41.5
			muilledT	ND<2.0	ND<2.0
	h.		Silver	ND<2.0 ND<2.0	ND<2.0
			Selenium	ND<2.0	ND<2.0
			Nickel	3.9	7.4
S		(mg/kg)	Molybdenu	ND<1.0	ND<1.0
mple		7471A	Mercury	3.21	6.46
Table 3 - Title 22 Metals in Soil Samples Berriman Ranch Property Nevada County, California	EPA 6010B/7471A	6010B/	bsed	62.6	49.5
		Copper	34.9	49.5	
Netal	Tetals tanch unty,		Cobalt	5.2	7.5
le 22 II	iman Fada Co		Chromium	42	1
- Tit	Berri Neva		Cadmium	2.9	27
Table 3			Beryllium	ND<0.5	
			mphsa	29.3	61.1
		S G	SinestA	30.4	50.8
			YnomitnA	2.9	24
		Separate Sep	Sample Depth (feet)	0.5	0.5
		AN THE WAY AND THE	Sample Date	4/6/2007	4/6/2007
		IIA TOTALISMA SE	Sample Number	Field A	Rarriac C

EPA = U.S. Environmental Protection Agency mg/kg = milligrams per kilogram ND< = not detected above the referenced reporting limit

Table 4 - Total Metals in Mining Excavation Spoils Berriman Ranch Property

Nevada County, California

	Test N	lethod: EPA 6	010 / 7471A (i	ng/kg)	
Sample ID	Sample Date	Sample Depth (feet)	Arsenic	Lead	Mercury
SP1-1	6/8/2007	0.5	ND<1.0	2.1	0.030
SP1-2	6/8/2007	4	ND<1.0	ND<1.0	0.01
SP2-1	6/8/2007	0.5	11.8	1.3	0.02
SP2-2	6/8/2007	2.5	3.4	1.3	0.025
SP3-1	6/8/2007	0.5	ND<1.0	9.7	0.147
BR-PM1	7/19/2007	0.5	9.9	12.3	0.147
BR-PM2	7/19/2007	0.5	ND<1.0	11.6	0.092
BR-PM3	7/19/2007	0.5	96.7	104.0	0.162
BR-PM4	7/19/2007	0.5	ND<1.0	10.5	2.04
BR-PM5	7/19/2007	0.5	ND<1.0	6.8	0.213

Notes:

EPA = Environmental Protection Agency

mg/kg = milligrams per kilogram

ND< = Not detected above referenced laboratory reporting limit

APPENDIX

Analytical Laboratory Reports

Chain of Custody Documentation

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	Excelchem	Environmentalista Labs Project Manager:	95	Company/Address: U	792 Serieus Art.	Project Number/P.Oxt:	Project Location: TAYLORUS CALLEY. C		Sample ID	SP1-1		SP2-1	5.2-2	SP3-1	CABRUS.	T-3BR-5.0'	T-48A-22	T-1268-20			Relinquished by:	Relinquished by:	

EXCELCHEMEnvironmental Labs

1135 W Sunset Boulevard Suite A Rocklin, CA 95765 Phone# 916-543-4445 Fax# 916-543-4449



ELAP Certificate No.: 2119

06 July 2007

Sean Dunbar

Holdrege & Kull-Nevada City

792 Searls Avenue

Nevada City, CA 95959

RE: Berriman Ranch Soil Investigation

Workorder number:0706128

Enclosed are the results of analyses for samples received by the laboratory on 06/26/07 19:00. All Quality Control results are within acceptable limits except where noted as a case narrative. If you have any questions concerning this report, please feel free to contact the laboratory.

Sincerely,

Laura Wilt, QA/QC Officer

Holdrege & Kull-Nevada City

Project:

Berriman Ranch Soil Investigation

792 Searls Avenue

Project Number:

1746-05

Date Reported:

Nevada City, CA 95959

Project Manager: Sean

Sean Dunbar

07/06/07 16:43

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP1-1	0706128-01	Soil	06/08/07 08:00	06/26/07 19:00
SP1-2	0706128-02	Soil	06/08/07 08:00	06/26/07 19:00
SP2-1	0706128-03	Soil	06/08/07 08:00	06/26/07 19:00
SP2-2	0706128-04	Soil	06/08/07 08:00	06/26/07 19:00
SP3-1	0706128-05	Soil	06/08/07 08:00	06/26/07 19:00
T-3BR-3.0	0706128-06	Soil	06/08/07 08:00	06/26/07 19:00
T-9BR-2.2	0706128-07	Soil	06/08/07 08:00	06/26/07 19:00
T-12BR-2.0	0706128-08	Soil	06/08/07 08:00	06/26/07 19:00

Excelchem Environmental Lab

Laboratory Representative

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Dr Don

Holdrege & Kull-Nevada City

Project:

Berriman Ranch Soil Investigation

792 Searls Avenue

Analyte

Nevada City, CA 95959

Project Number: Project Manager: 1746-05 Sean Dunbar

Date Reported: 07/06/07 16:43

SP1-1 0706128-01 (Soil)

	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
--	--------	--------------------	-------	-------	------------------	------------------	--------	-------

METAL	S BY	6000/7000	SERIES
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METALS BY 6000/7000 SERIES							
Arsenic	ND	1.0	mg/kg	AQG0051	07/05/07	07/06/07	EPA 6010B
Lead	2.1	1.0	11	11	**		11
Mercury	0.030	0.010	99	AQG0052	#	07/06/07	EPA 7471A

Excelchem Environmental Lab.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Holdrege & Kull-Nevada City

792 Searls Avenue

Nevada City, CA 95959

Project:

Berriman Ranch Soil Investigation

Project Number: Project Manager: 1746-05

Sean Dunbar

Date Reported: 07/06/07 16:43

SP1-2 0706128-02 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES								
Arsenic	ND	1.0	mg/kg	AQG0051	07/05/07	07/06/07	EPA 6010B	
Lead	ND	1.0	**	If	W.	W.	11	
Mercury	0.010	0.010	81	AQG0052	u.	07/06/07	EPA 7471A	

Excelchem Environmental Lab

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Laboratory Representative

Holdrege & Kull-Nevada City

792 Searls Avenue

Nevada City, CA 95959

Project:

Berriman Ranch Soil Investigation

Project Number:

1746-05

Sean Dunbar Project Manager:

Date Reported: 07/06/07 16:43

SP2-1 0706128-03 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES				9				
Arsenic	11.8	1.	0 mg/kg	AQG0051	07/05/07	07/06/07	EPA 6010B	
Lead	1.3	1.	0 "	99	11	99	**	
Mercury	0.020	0.01	0 "	AQG0052	Ħ	07/06/07	EPA 7471A	

Holdrege & Kull-Nevada City

792 Searls Avenue

Nevada City, CA 95959

Berriman Ranch Soil Investigation

1746-05 Project Number: Project Manager:

Project:

Sean Dunbar

Date Reported: 07/06/07 16:43

SP2-2 0706128-04 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES								
rsenic	3.4	1.0	mg/kg	AQG0051	07/05/07	07/06/07	EPA 6010B	
ead	1.3	1.0	"	**	.00	07/06/07	H	
Mercury	0.025	0.010) "	AQG0052	Ħ	07/06/07	EPA 7471A	

Holdrege & Kull-Nevada City

792 Searls Avenue

Nevada City, CA 95959

Project:

Berriman Ranch Soil Investigation

Project Number:

1746-05

Project Manager: Sean Dunbar

Date Reported: 07/06/07 16:43

SP3-1 0706128-05 (Soil)

Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
ND	1.0	mg/kg	AQG0051	07/05/07	07/06/07	EPA 6010B	
9.7	1.0	H	**	86	07/06/07	91	
0.147	0.010	. 11	AOG0052	91	07/06/07	EPA 7471A	
	ND 9.7	ND 1.0 9.7 1.0	ND 1.0 mg/kg 9.7 1.0 "	ND 1.0 mg/kg AQG0051 9.7 1.0 " "	ND 1.0 mg/kg AQG0051 07/05/07 9.7 1.0 " " "	ND 1.0 mg/kg AQG0051 07/05/07 07/06/07 9.7 1.0 " " " 07/06/07	ND 1.0 mg/kg AQG0051 07/05/07 07/06/07 EPA 6010B 9.7 1.0 " " " 07/06/07 "

Excelchem Environmental Lab

Laboratory Representative

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

De Donn

Holdrege & Kull-Nevada City

792 Searls Avenue Nevada City, CA 95959 Project:

Berriman Ranch Soil Investigation

Project Number:

1746-05 Sean Dunbar Project Manager:

Date Reported: 07/06/07 16:43

T-3BR-3.0 0706128-06 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES								
Arsenic	ND	1.0	mg/kg	AQG0051	07/05/07	07/06/07	EPA 6010B	
ead	ND	1.0	**	49		n	**	
Mercury	0.166	0.010	HI .	AQG0052	*	07/06/07	EPA 7471A	

Excelchem Environmental Lab

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Holdrege & Kull-Nevada City

792 Searls Avenue Nevada City, CA 95959 Project:

Berriman Ranch Soil Investigation

Project Number:

Project Manager:

1746-05 Sean Dunbar Date Reported: 07/06/07 16:43

T-9BR-2.2 0706128-07 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES								
Arsenic	ND	1.0	mg/kg	AQG0051	07/05/07	07/06/07	EPA 6010B	
Lead	ND	1.0	#1	97	**	2.00	11	
Mercury	ND	0.010	**	AQG0052	ж	07/06/07	EPA 7471A	

De Donn

Holdrege & Kull-Nevada City

792 Searls Avenue Nevada City, CA 95959 Project:

Berriman Ranch Soil Investigation

Project Number:

1746-05

Project Manager:

Sean Dunbar

Date Reported: 07/06/07 16:43

T-12BR-2.0 0706128-08 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES				1000051	07/05/07	07/06/07	EPA 6010B	
Arsenic	335	1.0		AQG0051	07/05/07		ELA GOLOB	
Lead	75.9	1.0		Ň.	(10)			
Mercury	8.06	0.020) "	AQG0052	**	07/06/07	EPA 7471A	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Holdrege & Kull-Nevada City

792 Searls Avenue Nevada City, CA 95959 Project:

Berriman Ranch Soil Investigation

Project Number:

1746-05 Project Manager:

Sean Dunbar

Date Reported: 07/06/07 16:43

METALS BY 6000/7000 SERIES - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AQG0051 - EPA 6010B										
Blank (AQG0051-BLK1)				Prepared:	07/05/07	Analyzed	: 07/06/07			
Arsenic	ND	1.0	mg/kg	- Annual					//	
Lead	ND	1.0	11							
LCS (AQG0051-BS1)				Prepared:	07/05/07	Analyzed	1: 07/06/07			
Arsenic	93.4	1.0	mg/kg	100		93.4	80-120			
Lead	97.6	1.0	н	100		97.6	80-120			
LCS Dup (AQG0051-BSD1)				Prepared:	07/05/07		i: 07/06/07			
Arsenic	93.9	1.0	mg/kg	100		93.9	80-120	0.534	25	
Lead	96.2	1.0	19	100		96.2	80-120	1.44	25	
Matrix Spike (AQG0051-MS1)	So	urce: 070612	8-01	Prepared	: 07/05/07	Analyzed	1: 07/06/07			
Arsenic	86.7	1.0	mg/kg	100	ND	86.7	75-125			
Lead	95.5	1.0	**	100	2.1	93.4	75-125			
Matrix Spike Dup (AQG0051-MSD1)	So	urce: 070612	8-01	Prepared	: 07/05/07	Analyze	1: 07/06/07			
Arsenic	88.4	1.0	mg/kg	100	ND	88.4	75-125	1.94	25	
Lead	94.2	1.0	н	100	2.1	92.1	75-125	1.37	25	
Batch AQG0052 - EPA 7471A										
Blank (AQG0052-BLK1)	Sa Bar			Prepared	: 07/05/07	Analyze	d: 07/06/07			
Mercury	ND	0.010	mg/kg							
LCS (AQG0052-BS1)					: 07/05/07		d: 07/06/07			
Mercury	0.410	0.010	mg/kg	0.400		102	80-120			

Excelchem Environmental Lab

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Holdrege & Kull-Nevada City

792 Searls Avenue Nevada City, CA 95959 Project:

Berriman Ranch Soil Investigation

Project Number: Project Manager:

1746-05

Sean Dunbar

Date Reported: 07/06/07 16:43

METALS BY 6000/7000 SERIES - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AQG0052 - EPA 7471A										
LCS Dup (AQG0052-BSD1)				Prepared:	07/05/07	Analyzed	1: 07/06/07			
Mercury	0.411	0.010	mg/kg	0.400		103	80-120	0.244	20	
Matrix Spike (AQG0052-MS1)	So	urce: 070612	8-01	Prepared:	07/05/07	Analyzed	1: 07/06/07			
Mercury	0.429	0.010	mg/kg	0.400	0.030	99.8	75-125			
Matrix Spike Dup (AQG0052-MSD1)	So	urce: 070612	8-01	Prepared:	07/05/07	Analyzed	d: 07/06/07			
Mercury	0.429	0.010	mg/kg	0.400	0.030	99.8	75-125	0.00	20	

Excelchem Environmental Lab

Laboratory Representative

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Dr Dun

Holdrege & Kull-Nevada City

Project:

Berriman Ranch Soil Investigation

792 Searls Avenue Nevada City, CA 95959 Project Number:

1746-05

Date Reported: 07/06/07 16:43

Project Manager: Sean Dunbar

Notes and Definitions

ND - Analyte not detected at reporting limit.

NR - Not reported

Excelchem Environmental Lab

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Laboratory Representative

Page 12 of 12

LAB USE ONLY: Requested TAT: 12hr/24hr/48hr/72hr/49k 3 of Email Address: CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST בופעוימב לפבהניםפב Page Chloride, Sulfate, Sulfide, ph. conductance Vitrate, Mitrite, Ammonia, Kjeldahl = SIE19IV Total = sisteM Thhy/BTEX/5 Oxygenates (8260B) ead Scavengers DCA/EDB (8260B) 5 Oxygenates (8260B) Methanol (8015M) Ethanol (8260) Electronic Data Deliverables Request Remarks/Condition of Sample: MTBE (8020/8260B) circle the method VOC Full list (8260B) Semi VOC Full List (8270C) 1747 - CI-CLAIN: YEA **ANALYSIS REQUEST** Chlorinated Herbicides (8151) Organophoshorous Pesticide (8141) Pesticides (608/8081A) - PCBs (8082) Total Oil & Grease (SM-18th 5520)1664 (mct08) liO as H97 (mč f 08) lesei (ss H9T BTEX - TPH as Gasoline (602/8020/8015) Received by Laboratory: AIR Matrix Project Name: AN PANCH X X × X TIOS 478-1305 arr-01017: NA Ph: 916 773 3664 Fx: 916-773-4704 **NATER** 478-1019 1135 W. Sunset Blvd. Unit A Preserved Rocklin, CA. 95765 NONE Method X ICE X X 巡 FONH Fax #: IDH Time Time 1515 Summa or Tedlar 792 SUAPUS AVE Container DITSAJG 1/20/00 X X X K X IL GLASS × X NEVADA CITY, CA Date Date SLEEVE 5 AOV CHASS VALLEY Time Sampling SEAN DUNBAR 7/19/07 Date 1746.05 Environmental Labs Excelchem .3382-c S. Company/Address: Project Number/P.O#: -328R-0.5 -2362-2-0 -2584-15 -26BA-0.5 elinguished-by Relinquished by: 1-2782-0.5 -31BR-05 -12BR-3.0 -2866-05 F-29BR-6.5 -30 BR-0-5 -1BR-0.5 Sample Project Location:

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Project Manager. SEAN DINDBAR	NABA	pŁ				Phone #:		hone	#				Ш	lectr	onic	Data	Deli	vera	ples	Electronic Data Deliverables Request:	uest						Ema	Email Address	 88 %:		
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エ	H.E.K												_ 	A	ANALYSIS		ZEQ	REQUEST	Te.								Ра	Page 3	of	M	
Project Number/P.O#:	246-05						Δ.	Project Name:	Nam				(31)	(0)											Wet	# - E		90118		10	PUNDAME TO
Project Location:							01	The way	er Sig	Sampler Signature:]	1	0011008160	יבי חחל ווסח						. ,,		/0	(80928)		X			n, conduct		\nd27\nd8#	
	Sampling	guilo		Ö	Container	ь		Me	Method of Preservation	igi of	2	Matrix)a) egilo						(S270C)				CAEDE	' '	641			nuge' b		ԻՐ/24ԻՐ/	
Sample	Date	Time	AOV	IF GFVSS SFEENE	OLASTIC	Tedlar or Summa	Cannister Number	ноз	ICE	None/Other	ЯЭТАМ	OSIL	ALE A SE HOT - YOTA	BTEX - TPH as Gas TPH as Diesel (8019	(mč108) liO as H9T	Potal Oil & Grease (Pesticides (608/808) Organophoshorous	Chlorinated Herbicic	Semi VOC Full List	VOC Full list (8260E	BTM B (M8108) IonsriteM	5 Oxygenates (8260	Lead Scavengers D	Tphg/BTEX/5 Oxygo	Metals = A < / A	= elsteM	Mitrate, Mitrite, Amn	Chloride, Sulfate, S		St :TAT betseupeЯ	LAB USE ONLY:
RR-PM3.	7/20/07		+-	-	₩		-6	-	,	-	-	-	+	-	-	-	\vdash	_		_		_		,	X					X	WAS O
BR-PNY				×	10			-	X			X													X					X	一種。
18R-PM5	>			X					×			×												-	\prec					×	風人
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000	ļ		源			15/15	2		V)	1	1																				
Relinquished by:				Date		Time	e \	*	egei	Received by Laboratory:	y Le	abora	atory.		<u></u>	Ö															
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EXCELCHEM Environmental Labs

1135 W Sunset Boulevard Suite A Rocklin, CA 95765 Phone# 916-543-4445 Fax# 916-543-4449



ELAP Certificate No.: 2119

30 July 2007 Sean Dunbar Holdrege & Kull-Nevada City 792 Searls Avenue Nevada City, CA 95959

RE: Berriman Ranch Soil Investigation

Workorder number:0707090

Enclosed are the results of analyses for samples received by the laboratory on 07/20/07 15:15. All Quality Control results are within acceptable limits except where noted as a case narrative. If you have any questions concerning this report, please feel free to contact the laboratory.

Sincerely,

John Somers, Lab Director

Holdrege & Kull-Nevada City

Project:

Berriman Ranch Soil Investigation

792 Searls Avenue Nevada City, CA 95959 Project Number: Project Manager: 1746.05 Sean Dunbar Date Reported: - 07/30/07 15:39

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
T-1br-0.5	0707090-01	Soil	07/19/07 08:00	07/20/07 15:15
T-12br-3.0	0707090-02	Soil	07/19/07 08:00	07/20/07 15:15
T-23br-2.0	0707090-03	Soil	07/19/07 08:00	07/20/07 15:15
T-25br-1.5	0707090-04	Soil	07/19/07 08:00	07/20/07 15:15
T-26br-0.5	0707090-05	Soil	07/19/07 08:00	07/20/07 15:15
T-27br-0.5	0707090-06	Soil	07/19/07 08:00	07/20/07 15:15
T-28br-0.5	0707090-07	Soil	07/19/07 08:00	07/20/07 15:15
T-29br-0.5	0707090-08	Soil	07/19/07 08:00	07/20/07 15:15
T-30br-0.5	0707090-09	Soil	07/19/07 08:00	07/20/07 15:15
T-31br-0.5	0707090-10	Soil	07/19/07 08:00	07/20/07 15:15
T-32br-0.5	0707090-11	Soil	07/19/07 08:00	07/20/07 15:15
T-33br-0.5	0707090-12	Soil	07/19/07 08:00	07/20/07 15:15
T-34br-0.5	0707090-13	Soil	07/19/07 08:00	07/20/07 15:15
T-35br-0.5	0707090-14	Soil	07/19/07 08:00	07/20/07 15:15
BG-4	0707090-15	Soil	07/19/07 08:00	07/20/07 15:15
BG-5	0707090-16	Soil	07/19/07 08:00	07/20/07 15:15
BG-6	0707090-17	Soil	07/19/07 08:00	07/20/07 15:15
BG-7	0707090-18	Soil	07/19/07 08:00	07/20/07 15:15
BG-8	0707090-19	Soil	07/19/07 08:00	07/20/07 15:15
BG-9	0707090-20	Soil	07/19/07 08:00	07/20/07 15:15
BG-10	0707090-21	Soil	07/19/07 08:00	07/20/07 15:15
BR-PM1	0707090-22	Soil	07/20/07 08:00	07/20/07 15:15
BR-PM2	0707090-23	Soil	07/20/07 08:00	07/20/07 15:15
BR-PM3	0707090-24	Soil	07/20/07 08:00	07/20/07 15:15
BR-PM4	0707090-25	Soil	07/20/07 08:00	07/20/07 15:15
BR-PM5	0707090-26	Soil	07/20/07 08:00	07/20/07 15:15

Excelchem Environmental Lab

Laboratory Representative

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Holdrege & Kull-Nevada City

792 Searls Avenue

Nevada City, CA 95959

Project:

Berriman Ranch Soil Investigation

Project Number:

1746.05

Project Manager: Sean Dunbar

Date Reported: 07/30/07 15:39

T-1br-0.5 0707090-01 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES								
Arsenic	134	1.0	mg/kg	AQG0181	07/21/07	07/25/07	EPA 6010B	
Lead	107	1.0		11	11.	н	Ħ	
Mercury	8.66	0.010	10 T	AQG0211		07/27/07	EPA 7471A	

Holdrege & Kull-Nevada City

792 Searls Avenue

Project:

Berriman Ranch Soil Investigation

Project Number:

1746.05

Date Reported:

Nevada City, CA 95959 Project Manager:

Sean Dunbar

07/30/07 15:39

T-12br-3.0 0707090-02 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES								
Arsenic	68.3	1.0	mg/kg	AQG0181	07/21/07	07/25/07	EPA 6010B	
Lead	47.5	1.0	**	99	91		H	
Mercury	6.23	0.010	"	AQG0211	*	07/27/07	EPA 7471A	

Excelchem Environmental Lab

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Holdrege & Kull-Nevada City

Project:

Berriman Ranch Soil Investigation

792 Searls Avenue

Nevada City, CA 95959

Project Number: 1746.05 Project Manager:

Sean Dunbar

Date Reported: 07/30/07 15:39

T-23br-2.0 0707090-03 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES								
Arsenic	166	1.0	mg/kg	AQG0181	07/21/07	07/25/07	EPA 6010B	
Lead	105	1.0	11	H	(90)	ш	#	
Mercury	7.87	0.010	IV	AQG0211		07/27/07	EPA 7471A	*(

Holdrege & Kull-Nevada City

Project:

Berriman Ranch Soil Investigation

792 Searls Avenue Nevada City, CA 95959 Project Number:

Project Manager:

1746.05 Sean Dunbar Date Reported: 07/30/07 15:39

T-25br-1.5 0707090-04 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES								
Arsenic	131	1.0	mg/kg	AQG0181	07/21/07	07/25/07	EPA 6010B	
ead	105	1.0	**	99	11	*	11	
Mercury	5.80	0.010	.01	AQG0211	19	07/27/07	EPA 7471A	

Excelchem Environmental Lab

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Holdrege & Kull-Nevada City

792 Searls Avenue Nevada City, CA 95959 Project:

Berriman Ranch Soil Investigation

Project Number: Project Manager:

Sean Dunbar

Date Reported: 07/30/07 15:39

T-26br-0.5 0707090-05 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES								
Arsenic	222	1.0	mg/kg	AQG0181	07/21/07	07/25/07	EPA 6010B	
Lead	176	1.0	11	**	17	89	Ħ	
Mercury	5.68	0.010	11	AQG0211	**	07/27/07	EPA 7471A	
Pesticides/PCB by ECD								
heptachlor	ND	0.005	mg/kg	AQG0175	07/25/07	07/26/07	EPA 8081A	- 10
lpha-BHC	ND	0.005	99	91		**	31	
peta-BHC	ND	0.005	11	#	3963	11	88	
gamma-BHC (Lindane)	ND	0.005	**	rt	200	**	и	
lelta-BHC	ND	0.005	#1	Ħ	200	Ħ	H	
Aldrin	ND	0.005	Ħ	#			***	
leptachlor epoxide	ND	0.005	11	11	**	99		
gamma-Chlordane	ND	0.005	H	#	110	н		
Endosulfan I	ND	0.005	"	Ħ		99		
alpha-Chlordane	ND	0.005	**	19		91	16	40
I,4'-DDE	ND	0.005	н	99		U	18#8.5	
Dieldrin	ND	0.005	н	**	n	86	(4)	
Endrin	ND	0.005	99	н	**	Ħ	(#5)	
Endosulfan II	ND	0.005	61	#	**	Ħ		
4,4'-DDD	ND	0.005	18		**	91	3.00	
Endrin aldehyde	ND	0.005	**	**	**	11		
Endosulfan sulfate	ND	0.005	11	Ħ	**	99	(10)	
4.4'-DDT	ND	0.005	Ħ	**	#1	Ħ	п	
Endrin Ketone	ND	0.005	#	и	99	ŧŧ	ENC	
Methoxychlor	ND	0.005	**	**	Ħ	**	310	\$
Toxaphene	ND	0.050	99	н	11		Ħ	
Surrogate: Decachlorobiphenyl		84.0 %	% Recov	ery Limits	50-	150	er e	

Excelchem Environmental Lab

Laboratory Representative

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Holdrege & Kull-Nevada City

Project:

Berriman Ranch Soil Investigation

792 Searls Avenue

Nevada City, CA 95959

Project Number: Project Manager: 1746.05 Sean Dunbar Date Reported: 07/30/07 15:39

T-27br-0.5 0707090-06 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
1ETALS BY 6000/7000 SERIES								
Arsenic	76.6	1.0	mg/kg	AQG0181	07/21/07	07/25/07	EPA 6010B	
Lead	91.5	1.0	н	99	**	07/25/07	19	
Mercury	5.32	0.010	**	AQG0211	H	07/27/07	EPA 7471A	
esticides/PCB by ECD								
neptachlor	ND	0.005	mg/kg	AQG0175	07/25/07	07/27/07	EPA 8081A	
lpha-BHC	ND	0.005	Ħ	**	11		*	
eta-BHC	ND	0.005	89	69	*	11	"	
amma-BHC (Lindane)	ND	0.005	39.3	91	**	**	**	
elta-BHC	ND	0.005		11	**	**	*	
Aldrin	ND	0.005	**	n	11	**	**	
Ieptachlor epoxide	ND	0.005	81	19	17	89	**	
amma-Chlordane	ND	0.005	TI.	Ħ	Ħ	u	**	
ndosulfan I	ND	0.005	380	Ħ	ŧŧ	**	"	
lpha-Chlordane	ND	0.005	THE STATE OF THE S	11	11	99	**	
,4'-DDE	ND	0.005	**	#		(900)	19 .	
Dieldrin	ND	0.005	19	Ħ	900	30	in .	9
Endrin	ND	0.005	100	н			19	
Endosulfan II	ND	0.005		11	10.7	1500	*	
,4'-DDD	ND	0.005	300	Ħ		3W	*	
Endrin aldehyde	ND	0.005	**	H			Ħ	
Endosulfan sulfate	ND	0.005	88	Ħ		(**)	Ħ	
I,4'-DDT	ND	0.005	11	Ħ		**	88	
Endrin Ketone	ND	0.005		**			Ħ	
Methoxychlor	ND	0.005	21	н	*	**	41	
Гохарнепе	ND	0.050	"	19			**	
Surragate: Decachlorahinhenyl		86.0 %	% Recov	ery Limits	50-	150		

Surrogate: Decachlorobiphenyl

86.0 % Recovery Limits

50-150

Excelchem Environmental Lab

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Dr Down

Holdrege & Kull-Nevada City

792 Searls Avenue

Nevada City, CA 95959

Project:

Project Manager:

Berriman Ranch Soil Investigation

1746.05 Project Number:

Sean Dunbar

Date Reported: 07/30/07 15:39

T-28br-0.5 0707090-07 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES								
Arsenic	180	1.0	mg/kg	AQG0181	07/21/07	07/25/07	EPA 6010B	
Lead	199	1.0	310	n	**	07/25/07	**	
Mercury	6.48	0.010		AQG0211	**	07/27/07	EPA 7471A	
Pesticides/PCB by ECD								
heptachlor	ND	0.005	mg/kg	AQG0175	07/25/07	07/27/07	EPA 8081A	
alpha-BHC	ND	0.005	11	н		3,000	n	
peta-BHC	ND	0.005	**	99		(M)	H	
gamma-BHC (Lindane)	ND	0.005	77	31	#	11	**	
delta-BHC	ND	0.005	91	**	81	81		
Aldrin	ND	0.005	99	н	#	96	"	
Heptachlor epoxide	ND	0.005	**	91	17	11	11	
gamma-Chlordane	ND	0.005	**	88	н	**	25	
Endosulfan I	ND	0.005	11	1)	И	11	*1	
alpha-Chlordane	ND	0.005	11	Н 10	99	II.	**	
4,4'-DDE	ND	0.005	91	Ħ	11	99		
Dieldrin	ND	0.005	Ħ	11	н	89		
Endrin	ND	0.005	11	12	11	н	99	
Endosulfan II	ND	0.005	81	Ħ	n bi	61	я	
4,4'-DDD	ND	0.005	11	10	Ħ	Ħ	**	
Endrin aldehyde	ND	0.005	**	0	W	**	11	
Endosulfan sulfate	ND	0.005	81		Ħ	89		
4,4'-DDT	ND	0.005	89	w	Ħ	Ħ		
Endrin Ketone	ND	0.005	**	m	*	Ħ	· N	
Methoxychlor	ND	0.005	#1	**	81	44	н	
Toxaphene	ND	0.050	**	н	н	H	H	
Surrogate: Decachlorobiphenyl		94.5 %	% Recov	ery Limits	50	-150	n	

Surrogate: Decachlorobiphenyl

Excelchem Environmental Lab

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Holdrege & Kull-Nevada City

792 Searls Avenue Nevada City, CA 95959 Project:

Berriman Ranch Soil Investigation

Project Number: Project Manager: 1746.05 Sean Dunbar Date Reported: 07/30/07 15:39

T-29br-0.5 0707090-08 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES								ÿ.
Arsenic	87.5	1.0	mg/kg	AQG0181	07/21/07	07/25/07	EPA 6010B	
Lead	117	1.0		91	87	07/25/07	19	
Mercury	6.25	0.010		AQG0211	H	07/27/07	EPA 7471A	

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Holdrege & Kull-Nevada City

792 Searls Avenue

Project:

Berriman Ranch Soil Investigation

Project Number:

1746.05

Date Reported:

Nevada City, CA 95959

Project Manager: Sean Dunbar

07/30/07 15:39

T-30br-0.5 0707090-09 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES								
Arsenic	ND	1.	0 mg/kg	AQG0181	07/21/07	07/25/07	EPA 6010B	27
Lead	9.8	1.	0 "	Ħ	н			
Mercury	1.30	0.01	0 "	AQG0211	11	07/27/07	EPA 7471A	

Excelchem Environmental Lab

Laboratory Representative

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Holdrege & Kull-Nevada City

792 Searls Avenue Nevada City, CA 95959 Project:

Project Manager:

Berriman Ranch Soil Investigation

Project Number: 1746.05

Sean Dunbar

Date Reported:

07/30/07 15:39

T-31br-0.5 0707090-10 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES								
Arsenic	148	1.0	mg/kg	AQG0181	07/21/07	07/25/07	EPA 6010B	
Lead	91.6	1.0	"	91	15	**	19	
Mercury	5.29	0.010) "	AQG0211	ě.	07/27/07	EPA 7471A	

Excelchem Environmental Lab

Laboratory Representative

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Dr Donn

Holdrege & Kull-Nevada City

792 Searls Avenue

Nevada City, CA 95959

Project:

Berriman Ranch Soil Investigation

Project Number: 1746.05

Project Manager: Se

Sean Dunbar

Date Reported: 07/30/07 15:39

T-32br-0.5 0707090-11 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes	
METALS BY 6000/7000 SERIES									
Arsenic	358	1.0	mg/kg	AQG0181	07/21/07	07/25/07	EPA 6010B		
Lead	398	1.0		**	71	*	H		
Mercury	6.38	0.010) "	AQG0211	н	07/27/07	EPA 7471A		

Excelchem Environmental Lab

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

De Down

Holdrege & Kull-Nevada City

792 Searls Avenue Nevada City, CA 95959 Project:

Berriman Ranch Soil Investigation

Project Number: 1746.05

Project Manager: Sean Dunbar

Date Reported: 07/30/07 15:39

T-33br-0.5 0707090-12 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES								
Arsenic	488	1.	mg/kg	AQG0181	07/21/07	07/25/07	EPA 6010B	
Lead	702	1.0) "	#	*		n	
Mercury	6.09	0.01	0 "	AQG0211	38	07/27/07	EPA 7471A	

Excelchem Environmental Lab

Laboratory Representative

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Holdrege & Kull-Nevada City

792 Searls Avenue

Nevada City, CA 95959

= Project:

Berriman Ranch Soil Investigation

Project Number:

1746.05

Project Manager: Sean Dunbar

Date Reported:

07/30/07 15:39

T-34br-0.5 0707090-13 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES								
Arsenic	123	1	.0 mg/kg	AQG0181	07/21/07	07/25/07	EPA 6010B	
Lead	171	1	.0 "	#	11	ŧ	н	
Mercury	5.08	0.0	10 "	AQG0211	**	07/27/07	EPA 7471A	

Excelchem Environmental Lab

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Holdrege & Kull-Nevada City

Project:

Berriman Ranch Soil Investigation

792 Searls Avenue

Nevada City, CA 95959

Project Number: Project Manager:

1746.05 Sean Dunbar

Date Reported: 07/30/07 15:39

T-35br-0.5 0707090-14 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES								
Arsenic	286	1.0	mg/kg	AQG0181	07/21/07	07/25/07	EPA 6010B	
_ead	130	1.0	H	11	н	91	H	
1 ercury	4.63	0.010	27	AQG0211	99	07/27/07	EPA 7471A	
esticides/PCB by ECD								
neptachlor	ND	0.005	mg/kg	AQG0175	07/25/07	07/27/07	EPA 8081A	9
lpha-BHC	ND	0.005	11	Ħ	29	н	Ħ	
peta-BHC	ND	0.005	**	-11	ŧ1	**	н	
gamma-BHC (Lindane)	ND	0.005	19	Ħ	n	**	Ħ	
lelta-BHC	ND	0.005	91	99	19	11	Ħ	
Aldrin	ND	0.005	41	н	11	89	11	
leptachlor epoxide	ND	0.005	P1	н	н	н	н	
gamma-Chlordane	ND	0.005	11	**	u	10	**	
Endosulfan I	ND	0.005	н	**	11	Ħ	Ħ	
alpha-Chlordane	ND	0.005	99	Ħ	21	н	17	
I,4'-DDE	ND	0.005		99	H	**	W.	2
Dieldrin	ND	0.005	n	и	11	n	w.	
Endrin	ND	0.005	w	Ħ	H	48	н	
Endosulfan II	ND	0.005	11	11	81	97	"	
4,4'-DDD	ND	0.005	**	#1	#	11	0.	
Endrin aldehyde	ND		10	21	***	н	и	
Endosulfan sulfate	ND	0.005	5:00	87	н	11		
4,4'-DDT	ND		#1	99	19	H	*	
Endrin Ketone	ND		27	**	Ħ	Ħ	<u>u</u>	
Methoxychlor	ND		н	H	**	12		94
Toxaphene	ND		\$1	91	Ħ	H H		
Summer Describeration of the mul		83.0 %	% Recov	very Limits	50-	150	"	

Surrogate: Decachlorobiphenyl

83.0 % Recovery Limits

Excelchem Environmental Lab

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Holdrege & Kull-Nevada City

792 Searls Avenue Nevada City, CA 95959 Project:

Project Manager:

Berriman Ranch Soil Investigation

Project Number: 1746.05

Sean Dunbar

Date Reported: 07/30/07 15:39

BG-4 0707090-15 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes ·
METALS BY 6000/7000 SERIES							ED4 (010D	
rsenic	ND	1.0	mg/kg	AQG0168	07/24/07	07/27/07	EPA 6010B	
ead	14.5	1.0) "	н	и .	W	н	
Mercury	0.012	0.010) "	AQG0211	07/21/07	07/27/07	EPA 7471A	

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792 Searls Avenue Nevada City, CA 95959 Project:

Project Manager:

Berriman Ranch Soil Investigation

Project Number: 1746.05

Sean Dunbar

Date Reported: 07/30/07 15:39

BG-5 0707090-16 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
47								
METALS BY 6000/7000 SERIES							TD 1 (010D	
rsenic	ND	1.0) mg/kg	AQG0168	07/24/07	07/27/07	EPA 6010B	
ead	18.5	1.0) "	н	99	H	H	
Aercury	0.121	0.010) "	AQG0211	07/21/07	07/27/07	EPA 7471A	

Laboratory Representative

Holdrege & Kull-Nevada City

792 Searls Avenue Nevada City, CA 95959 Project:

Project Manager:

Berriman Ranch Soil Investigation

Project Number: 1746.05

Sean Dunbar

Date Reported:

bar 07/30/07 15:39

BG-6 0707090-17 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES						05/05/05	EPA 6010B	
Arsenic	ND	1.0) mg/kg	AQG0168	07/24/07	07/27/07		
Lead	17.5	1.0) "	**	11	*1	11	
Mercury	0.153	0.016	D "	AQG0211	07/21/07	07/27/07	EPA 7471A	

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792 Searls Avenue Nevada City, CA 95959 Project:

Berriman Ranch Soil Investigation

Project Number: 1746.05 Project Manager:

Sean Dunbar

Date Reported: 07/30/07 15:39

BG-7 0707090-18 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES								
Arsenic	ND	1.0) mg/kg	AQG0168	07/24/07	07/27/07	EPA 6010B	
Lead	16.2	1.0) "	Ħ		. 10	н	
Mercury	0.276	0.010) "	AQG0211	07/21/07	07/27/07	EPA 7471A	

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792 Searls Avenue Nevada City, CA 95959 Project:

Berriman Ranch Soil Investigation

Project Number: 1746.05

Project Manager: Sean Dunbar

Date Reported: 07/30/07 15:39

BG-8 0707090-19 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES								
Arsenic	ND	1.0	mg/kg	AQG0168	07/24/07	07/27/07	EPA 6010B	8
Lead	9.7	1.0	11	н	**	07/27/07	п	
Mercury	0.117	0.010	11	AQG0211	07/21/07	07/27/07	EPA 7471A	111



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792 Searls Avenue

Nevada City, CA 95959

Project:

Berriman Ranch Soil Investigation

Project Number: 1746.05

Project Manager: Sean D

Sean Dunbar

Date Reported: 07/30/07 15:39

BG-9 0707090-20 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES								
Arsenic	ND	1.0	mg/kg	AQG0168	07/24/07	07/27/07	EPA 6010B	
Lead	7.0	1.0	#	н		07/27/07	99	
Mercury	0.136	0.010	н	AQG0211	07/21/07	07/27/07	EPA 7471A	

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792 Searls Avenue

Nevada City, CA 95959

Project:

Berriman Ranch Soil Investigation

Project Number: 1746.05

Project Manager: Sean Dunbar

Date Reported:

07/30/07 15:39

BG-10 0707090-21 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES								
Arsenic	ND	1.0) mg/kg	AQG0168	07/24/07	07/27/07	EPA 6010B	
Lead	10.2	1.0) "	41	**	07/27/07	11	
Mercury	0.229	0.010	"	AQG0211	07/21/07	07/27/07	EPA 7471A	

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792 Searls Avenue

Nevada City, CA 95959

Project:

Berriman Ranch Soil Investigation

Project Number:

1746.05

Project Manager: Sean Dunbar

Date Reported: 07/30/07 15:39

BR-PM1 0707090-22 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES								
Arsenic	9.9	1.0	mg/kg	AQG0168	07/24/07	07/27/07	EPA 6010B	
Lead	12.3	1.0	"	91	W	07/27/07	85	
Mercury	0.142	0.010	(H):	AQG0211	07/21/07	07/27/07	EPA 7471A	

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792 Searls Avenue Nevada City, CA 95959 Project:

Berriman Ranch Soil Investigation

Project Number: 1746.05

Project Manager:

Sean Dunbar

Date Reported: 07/30/07 15:39

BR-PM2 0707090-23 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES								
Arsenic	ND	1.0	mg/kg	AQG0168	07/24/07	07/27/07	EPA 6010B	
Lead	11.6	1.0	**	н	и	19	000	
Mercury	0.092	0.010	**	AQG0211	07/21/07	07/27/07	EPA 7471A	

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Project:

Berriman Ranch Soil Investigation

792 Searls Avenue

Nevada City, CA 95959

Project Number: Project Manager: 1746.05 Sean Dunbar Date Reported: 07/30/07 15:39

BR-PM3 0707090-24 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes.
METALS BY 6000/7000 SERIES								
Arsenic	96.7	1.0	mg/kg	AQG0168	07/24/07	07/27/07	EPA 6010B	
Lead	104	1.0	99	**	#1	Ħ	**	
Mercury	0.162	0.010	11	AQG0211	07/21/07	07/27/07	EPA 7471A	

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Laboratory Representative

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Holdrege & Kull-Nevada City

792 Searls Avenue

Nevada City, CA 95959

Project:

Berriman Ranch Soil Investigation

Project Number:

1746.05

Project Manager: Sean Dunbar

Date Reported: 07/30/07 15:39

BR-PM4 0707090-25 (Soil)

Analyte	Reporting Result Limit Un			Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES								×
Arsenic	ND	1.0	mg/kg	AQG0168	07/24/07	07/27/07	EPA 6010B	
Lead	10.5	1.0	"	н	II		m	
Mercury	2.04	0.010	11	AQG0211	07/21/07	07/27/07	EPA 7471A	

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792 Searls Avenue

Nevada City, CA 95959

Project:

Berriman Ranch Soil Investigation

1746.05 Project Number: Project Manager:

Sean Dunbar

Date Reported: 07/30/07 15:39

BR-PM5 0707090-26 (Soil)

Analyte	Result	Reporting Limit	Units	Batch	Date Prepared	Date Analyzed	Method	Notes
METALS BY 6000/7000 SERIES) ID	10	7	4000160	07/04/07	05/05/05	EPA 6010B	
Arsenic	ND	1.0	mg/kg	AQG0168	07/24/07	07/27/07	EFA 0010D	
Lead	6.8	1.0	#1	Ħ	**	07/27/07	19	
Mercury	0.213	0.010	99	AQG0211	07/21/07	07/27/07	EPA 7471A	

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Holdrege & Kull-Nevada City

Project:

Berriman Ranch Soil Investigation

792 Searls Avenue

Nevada City, CA 95959

Project Number: Project Manager: 1746.05 Sean Dunbar Date Reported: 07/30/07 15:39

METALS BY 6000/7000 SERIES - Quality Control

Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
		ŷ.							
			Prepared	& Analyze	ed: 07/24/	07			0.80
ND	1.0	mg/kg					20 20-20		V.
ND	1.0	91							
			Prepared	& Analyze	ed: 07/24/	07		12	
105	1.0	mg/kg	100		105	75-125			
96.5	1.0	21	100		96.5	75-125			
			Prepared	& Analyze	ed: 07/24/	07			
106	1.0	mg/kg	100		106	75-125	0.948	25	
98.4	1.0	м	100	91	98.4	75-125	1.95	25	100
So	urce: 070709	8-01	Prepared		35				
102	1.0	mg/kg	100	1.1	101	75-125			
96.1	1.0	**	100	0.9	95.2	75-125			
So	urce: 070709	8-01	Prepared	& Analyz					
105	1.0	mg/kg	100	1.1	104	75-125	2.90	25	
97.6	1.0	н	100	0.9	96.7	75-125	1.55	25	
			Prepared	: 07/21/07	Analyzed	i: 07/25/07	,		250
ND	1.0	mg/kg	-						
ND	1.0	Ħ							
			Prepared	: 07/21/07	Analyzed	i: 07/25/07	7	· · · · · · · · · · · · · · · · · · ·	
89.5	1.0	mg/kg	Prepared 100	: 07/21/07	Analyzed 89.5	i: 07/25/07 75-125	<i>'</i>		
	ND ND 105 96.5 106 98.4 So 102 96.1 So 105 97.6	ND 1.0 ND 1.0 ND 1.0 105 1.0 96.5 1.0 106 1.0 98.4 1.0 Source: 070709 102 1.0 96.1 1.0 Source: 070709 105 1.0 97.6 1.0	ND 1.0 mg/kg ND 1.0 " 105 1.0 mg/kg 96.5 1.0 " 106 1.0 mg/kg 98.4 1.0 " Source: 0707098-01 102 1.0 mg/kg 96.1 1.0 " Source: 0707098-01 105 1.0 mg/kg 97.6 1.0 "	Prepared ND 1.0 mg/kg ND 1.0 "	Prepared & Analyz ND 1.0 mg/kg ND 1.0 " Prepared & Analyz 105 1.0 mg/kg 100 96.5 1.0 " 100 Prepared & Analyz 106 1.0 mg/kg 100 98.4 1.0 " 100 Source: 0707098-01 Prepared & Analyz 102 1.0 mg/kg 100 1.1 96.1 1.0 " 100 0.9 Source: 0707098-01 Prepared & Analyz 105 1.0 mg/kg 100 1.1 97.6 1.0 " 100 0.9 Prepared & O7/21/07 ND 1.0 mg/kg	Prepared & Analyzed: 07/24// ND 1.0 mg/kg ND 1.0 " Prepared & Analyzed: 07/24// 105 1.0 mg/kg 100 105 96.5 1.0 " 100 96.5 Prepared & Analyzed: 07/24// 106 1.0 mg/kg 100 106 98.4 1.0 " 100 98.4 Source: 0707098-01 Prepared & Analyzed: 07/24// 102 1.0 mg/kg 100 1.1 101 96.1 1.0 " 100 0.9 95.2 Source: 0707098-01 Prepared & Analyzed: 07/24// 105 1.0 mg/kg 100 1.1 104 97.6 1.0 " 100 0.9 96.7 Prepared: 07/21/07 Analyzed ND 1.0 mg/kg	Prepared & Analyzed: 07/24/07 ND 1.0 mg/kg ND 1.0 " Prepared & Analyzed: 07/24/07 105 1.0 mg/kg 100 105 75-125 96.5 1.0 " 100 96.5 75-125 Prepared & Analyzed: 07/24/07 106 1.0 mg/kg 100 106 75-125 98.4 1.0 " 100 98.4 75-125 Source: 0707098-01 Prepared & Analyzed: 07/24/07 102 1.0 mg/kg 100 1.1 101 75-125 96.1 1.0 " 100 0.9 95.2 75-125 Source: 0707098-01 Prepared & Analyzed: 07/24/07 105 1.0 mg/kg 100 1.1 104 75-125 97.6 1.0 " 100 0.9 96.7 75-125 Prepared: 07/21/07 Analyzed: 07/25/07	Prepared & Analyzed: 07/24/07 ND 1.0 mg/kg ND 1.0 " Prepared & Analyzed: 07/24/07 105 1.0 mg/kg 100 105 75-125 96.5 1.0 " 100 96.5 75-125 Prepared & Analyzed: 07/24/07 106 1.0 mg/kg 100 106 75-125 0.948 98.4 1.0 " 100 98.4 75-125 1.95 Source: 0707098-01 Prepared & Analyzed: 07/24/07 102 1.0 mg/kg 100 1.1 101 75-125 96.1 1.0 " 100 0.9 95.2 75-125 Source: 0707098-01 Prepared & Analyzed: 07/24/07 105 1.0 mg/kg 100 1.1 104 75-125 2.90 97.6 1.0 " 100 0.9 96.7 75-125 1.55 Prepared: 07/21/07 Analyzed: 07/25/07 ND 1.0 mg/kg	Prepared & Analyzed: 07/24/07 ND 1.0 mg/kg ND 1.0 " Prepared & Analyzed: 07/24/07 105 1.0 mg/kg 100 105 75-125 96.5 1.0 " 100 96.5 75-125 Prepared & Analyzed: 07/24/07 106 1.0 mg/kg 100 106 75-125 0.948 25 98.4 1.0 " 100 98.4 75-125 1.95 25 Source: 0707098-01 Prepared & Analyzed: 07/24/07 102 1.0 mg/kg 100 1.1 101 75-125 96.1 1.0 " 100 0.9 95.2 75-125 Source: 0707098-01 Prepared & Analyzed: 07/24/07 105 1.0 mg/kg 100 1.1 104 75-125 2.90 25 97.6 1.0 " 100 0.9 96.7 75-125 1.55 25 Prepared: 07/21/07 Analyzed: 07/25/07 ND 1.0 mg/kg

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Holdrege & Kull-Nevada City

792 Searls Avenue Nevada City, CA 95959 Project:

Project Manager:

Berriman Ranch Soil Investigation

Project Number: 1746.05

Sean Dunbar

Date Reported: 07/30/07 15:39

METALS BY 6000/7000 SERIES - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AQG0181 - EPA 6010B										
LCS Dup (AQG0181-BSD1)				Prepared:	07/21/07	Analyzed	1: 07/25/07			
Arsenic	92.9	1.0	mg/kg	100		92.9	75-125	3.73	25	
Lead	96.6	1.0	#	100		96.6	75-125	3.80	25	
Matrix Spike (AQG0181-MS1)	So	urce: 070708	2-01	Prepared:	07/21/07	Analyzed	1: 07/25/07			
Arsenic	93.9	1.0	mg/kg	100	ND	93.9	75-125			
Lead	236	1.0	Ħ	100	161	75.0	75-125			
Matrix Spike Dup (AQG0181-MSD1)	So	urce: 070708	2-01	Prepared:	07/21/07	Analyzed	1: 07/25/07			
Arsenic	91.5	1.0	mg/kg	100	ND	91.5	75-125	2.59	25	
Lead ·	224	1.0	-14	100	161	63.0	75-125	5.22	25	QM-0
Batch AQG0211 - EPA 7471A										32
Blank (AQG0211-BLK1)				Prepared	07/21/07	Analyzed	i: 07/27/07			
Mercury	ND	0.010	mg/kg			-				
Blank (AQG0211-BLK2)				Prepared	07/21/07	Analyzed	d: 07/27/07			
Mercury	ND	0.010	mg/kg							
LCS (AQG0211-BS1)				Prepared	: 07/21/07	Analyzed	d: 07/27/07			
Mercury	0.427	0.010	mg/kg	0.400		107	80-120			
LCS (AQG0211-BS2)				Prepared	: 07/21/07	Analyze	d: 07/27/07			950
Mercury	0.415	0.010	mg/kg	0.400		104	80-120			
LCS Dup (AQG0211-BSD1)				Prepared	: 07/21/07	Analyze	d: 07/27/07			
MUD AME (IIV GUMAL AND A)		0.010	mg/kg	0.400		110	80-120	3.23	20	

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792 Searls Avenue Nevada City, CA 95959 Project: Project Number: Berriman Ranch Soil Investigation

1746.05

Sean Dunbar Project Manager:

Date Reported: 07/30/07 15:39

METALS BY 6000/7000 SERIES - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AQG0211 - EPA 7471A										
LCS Dup (AQG0211-BSD2)			N. 61 (1967)	Prepared:	07/21/07	Analyzed	: 07/27/07			
Mercury	0.427	0.010	mg/kg	0.400		107	80-120	2.85	20	

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Project:

Berriman Ranch Soil Investigation

792 Searls Avenue

Nevada City, CA 95959

Project Number:

1746.05

Sean Dunbar Project Manager:

Date Reported: 07/30/07 15:39

Pesticides/PCB by ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch AOG	0175 -	EPA	8081A
-----------	--------	-----	-------

Blank (AQG0175-BLK1)				Prepared: 07/2:	5/07 Analyzed	: 07/26/07	
Surrogate: Decachlorobiphenyl	0.0185		mg/kg	0.0200	92.5	50-150	
heptachlor	ND	0.005					
alpha-BHC	ND	0.005	Ħ				
beta-BHC	ND	0.005	61				
gamma-BHC (Lindane)	ND	0.005	H				45
delta-BHC	ND	0.005	99				
Aldrin	ND	0.005	**				
Heptachlor epoxide	ND	0.005	17				
gamma-Chlordane	ND	0.005	81				
Endosulfan I	ND	0.005	H				
alpha-Chlordane	ND	0.005	Ħ				
4,4'-DDE	ND	0.005	Ħ				
Dieldrin	ND	0.005	87				
Endrin	ND	0.005	n				
Endosulfan II	ND	0.005	89		9		2
4,4'-DDD	ND	0.005	91				
Endrin aldehyde	ND	0.005	н				
Endosulfan sulfate	ND	0.005	88				
4,4'-DDT	ND	0.005	H				
Endrin Ketone	ND	0.005	99				
Methoxychlor	ND	0.005	11				
Toxaphene	ND	0.050	н				

LCS (AQG0175-BS1)	Prepared: 07/25/07 Analyzed: 07/26/07								
Surrogate: Decachlorobiphenyl	0.0176		mg/kg	0.0200	88.0	50-150		0.5	
heptachlor	0.016	0.005	n.	0.0200	80.0	50-150			
gamma-BHC (Lindane)	0.016	0.005		0.0200	80.0	50-150		34	
Aldrin	0.015	0.005		0.0200	75.0	50-150			
Dieldrin	0.040	0.005		0.0500	80.0	50-150			
Endrin	0.052	0.005		0.0500	104	50-150			
4,4'-DDT	0.050	0.005		0.0500	100	50-150			

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792 Searls Avenue

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Project: Project Number: Project Manager: Berriman Ranch Soil Investigation

1746.05

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07/30/07 15:39

Pesticides/PCB by ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch AQG0175 - EPA 8081A										
LCS Dup (AQG0175-BSD1)				Prepared: 07/25/07 Analyzed: 07/26/07						
Surrogate: Decachlorobiphenyl	0.0184		mg/kg	0.0200		92.0	50-150			
heptachlor	0.017	0.005	100	0.0200		85.0	50-150	6.06	25	
gamma-BHC (Lindane)	0.017	0.005	н	0.0200		85.0	50-150	6.06	25	
Aldrin	0.016	0.005	**	0.0200		80.0	50-150	6.45	25	8
Dieldrin	0.042	0.005	m:	0.0500		84.0	50-150	4.88	25	
Endrin	0.055	0.005	n	0.0500		110	50-150	5.61	25	85
4,4'-DDT	0.051	0.005	n	0.0500		102	50-150	1.98	25	
Matrix Spike (AQG0175-MS1)	Source: 0707090-14			Prepared: 07/25/07 Analyzed: 07/27/07						
Surrogate: Decachlorobiphenyl	0.0164		mg/kg	0.0200		82.0	50-150			
heptachlor	0.014	0.005	99	0.0200	ND	70.0	50-150			
gamma-BHC (Lindane)	0.016	0.005	91	0.0200	ND	80.0	50-150			
Aldrin	0.015	0.005	H	0.0200	ND	75.0	50-150			
Dieldrin	0.038	0.005	10	0.0500	ND	76.0	50-150			to.
Endrin	0.060	0.005	81	0.0500	0.004	112	50-150			
4,4'-DDT	0.041	0.005	at .	0.0500	ND	82.0	50-150			2.9
Matrix Spike Dup (AQG0175-MSD1)	Source: 0707090-14			Prepared: 07/25/07 Analyzed: 07/27/07						
Surrogate: Decachlorobiphenyl	0.0171		mg/kg	0.0200		85.5	50-150			
heptachlor	0.015	0.005	W	0.0200	ND	75.0	50-150	6.90	25	
gamma-BHC (Lindane)	0.016	0.005	89	0.0200	ND	80.0	50-150	0.00	25	
Aldrin	0.016	0.005	**	0.0200	ND	80.0	50-150	6.45	25	
Dieldrin	0.039	0.005	**	0.0500	ND	78.0	50-150	2.60	25	
Endrin	0.062	0.005	"	0.0500	0.004	116	50-150	3.28	25	
4.4'-DDT	0.043	0.005	**	0.0500	ND	86.0	50-150	4.76	25	9

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Holdrege & Kull-Nevada City

Project:

Berriman Ranch Soil Investigation

792 Searls Avenue

Nevada City, CA 95959

Project Number: Project Manager: 1746.05 Sean Dunbar Date Reported: 07/30/07 15:39

Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND - Analyte not detected at reporting limit.

NR - Not reported

Excelchem Environmental Lab

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Dr Don