..... - Spill information

From: "John McCarthy" <pri_jmccarthy@vcn.com>
To: "Steve Ingle" <single@state.wy.us>
Date: 07/24/2007 5:44 PM
Subject: Spill information
CC: "Paul Michalak" <PXM2@nrc.gov>

Steve,

Please find attached the lab report for soils collected at the HI-744 spill site. The information is preliminary reports. Also attached is a map showing the location of the samples in relation to the spill. sample 007 is considered a baseline sample, it was up drainage and on a bench away from the spill. Sample 013 was located down drainage from the full extent of the spill. these locations have been surveyed, but the log. lat.s have not been received to date. When this information is received the map will be up-dated and forwarded.

Regards,

John McCarthy
Power Resources, Inc.

Mail Envelope Properties (46A672AA.800 : 4 : 63488)

Subject:	Spill information
Creation Date	07/24/2007 5:43:31 PM
From:	"John McCarthy" <pri_jmccarthy@vcn.com>
Created By:	pri_jmccarthy@vcn.com

Recipients

nrc.gov
TWGWPO01.HQGWDO01
PXM2 CC (Paul Michalak)

state.wy.us
single (Steve Ingle)

Post Office	**Route**
TWGWPO01.HQGWDO01	nrc.gov
	state.wy.us

Files	**Size**	**Date & Time**
MESSAGE	600	07/24/2007 5:43:31 PM
TEXT.htm	1276	
C07070287.pdf	87110	
Mine Unit H Spill Map 6-22-07.pdf	175911	
Mime.822	364198	

Options

Expiration Date:	None
Priority:	Standard
ReplyRequested:	No
Return Notification:	None
Concealed Subject:	No
Security:	Standard

LABORATORY ANALYTICAL REPORT

Client: Power Resources Inc
Project: SR-HUP HH-12
Lab ID: C07070287-001
Client Sample ID: 002

Report Date: 07/24/07
Collection Date: 07/05/07
DateReceived: 07/06/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS - MWMP EXTRACTABLE							
Alkalinity, Total as CaCO3	55	mg/L		1		A2320 B	07/12/07 15:01 / ljl
Carbonate as CO3	8	mg/L		1		A2320 B	07/12/07 15:01 / ljl
Bicarbonate as HCO3	48	mg/L		1		A2320 B	07/12/07 15:01 / ljl
Calcium	26	mg/L		1		E200.7	07/16/07 13:25 / ts
Chloride	12	mg/L		1		E200.7	07/16/07 13:25 / ts
Fluoride	1.1	mg/L		0.1		A4500-F C	07/13/07 13:04 / bas
Magnesium	8	mg/L		1		E200.7	07/16/07 13:25 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	07/17/07 15:46 / ljl
Nitrogen, Nitrate+Nitrite as N	0.4	mg/L		0.1		E353.2	07/12/07 13:23 / jal
Nitrogen, Nitrite as N	ND	mg/L		0.1		A4500-NO2 B	07/12/07 08:58 / ljl
Potassium	3	mg/L		1		E200.7	07/16/07 13:25 / ts
Silica	10.6	mg/L		0.1		E200.7	07/16/07 13:25 / ts
Sodium	32	mg/L		1		E200.7	07/16/07 13:25 / ts
Sulfate	105	mg/L		1		E200.7	07/16/07 13:25 / ts
PHYSICAL PROPERTIES-MWMP EXTRACTABLE							
Conductivity	375	umhos/cm		1.0		A2510 B	07/18/07 13:07 / ml
pH	9.06	s.u.		0.01		A4500-H B	07/12/07 11:00 / ml
Solids, Total Dissolved TDS @ 180 C	272	mg/L		10		A2540 C	07/18/07 15:45 / ml
METALS - MWMP EXTRACTABLE							
Aluminum	ND	mg/L		0.1		E200.8	07/16/07 20:31 / bws
Arsenic	ND	mg/L		0.001		E200.8	07/16/07 20:31 / bws
Barium	ND	mg/L		0.1		E200.8	07/16/07 20:31 / bws
Boron	ND	mg/L		0.1		E200.7	07/16/07 13:25 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/16/07 20:31 / bws
Chromium	ND	mg/L		0.05		E200.8	07/16/07 20:31 / bws
Copper	ND	mg/L		0.01		E200.8	07/16/07 20:31 / bws
Iron	ND	mg/L		0.03		E200.7	07/16/07 13:25 / ts
Lead	ND	mg/L		0.001		E200.8	07/16/07 20:31 / bws
Manganese	ND	mg/L		0.01		E200.8	07/16/07 20:31 / bws
Mercury	ND	mg/L		0.001		E200.8	07/16/07 20:31 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/16/07 20:31 / bws
Nickel	ND	mg/L		0.05		E200.8	07/16/07 20:31 / bws
Selenium	0.166	mg/L		0.001		E200.8	07/16/07 20:31 / bws
Uranium	0.0551	mg/L		0.0003		E200.8	07/16/07 20:31 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/16/07 20:31 / bws
Zinc	ND	mg/L		0.01		E200.8	07/16/07 20:31 / bws
RADIONUCLIDES - MWMP EXTRACTABLE							
Radium 226	2.7	pCi/L		0.2		E903.0	07/17/07 11:05 / crw
Radium 226 precision (±)	1.6	pCi/L				E903.0	07/17/07 11:05 / crw

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level.
QCL - Quality control limit. ND - Not detected at the reporting limit.

PRELIMINARY

LABORATORY ANALYTICAL REPORT

Client: Power Resources Inc
Project: SR-HUP HH-12
Lab ID: C07070287-001
Client Sample ID: 002

Report Date: 07/24/07
Collection Date: 07/05/07
DateReceived: 07/06/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-4.21	%				Calculation	07/19/07 12:34 / bws
Anions	3.71	meq/L				Calculation	07/19/07 12:34 / bws
Cations	3.41	meq/L				Calculation	07/19/07 12:34 / bws
Solids, Total Dissolved Calculated	232	mg/L				Calculation	07/19/07 12:34 / bws
TDS Balance (0.80 - 1.20)	1.17	dec. %				Calculation	07/19/07 12:34 / bws
METALS - TOTAL							
Arsenic	0.9	mg/kg-dry		0.5		SW6020	07/13/07 16:38 / bws
Selenium	2.3	mg/kg-dry	D	0.5		SW6020	07/13/07 16:38 / bws
Uranium	8.2	mg/kg-dry		0.5		SW6020	07/13/07 16:38 / bws
RADIONUCLIDES - TOTAL							
Radium 226	13.6	pCi/g-dry		0.1		E903.0	07/23/07 09:39 / crw
Radium 226 precision (±)	0.5	pCi/g-dry				E903.0	07/23/07 09:39 / crw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

PRELIMINARY

LABORATORY ANALYTICAL REPORT

Client: Power Resources Inc
Project: SR-HUP HH-12
Lab ID: C07070287-002
Client Sample ID: 003

Report Date: 07/24/07
Collection Date: 07/05/07
DateReceived: 07/06/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS - MWMP EXTRACTABLE							
Alkalinity, Total as CaCO3	78	mg/L		1		A2320 B	07/12/07 15:08 / ljl
Carbonate as CO3	3	mg/L		1		A2320 B	07/12/07 15:08 / ljl
Bicarbonate as HCO3	87	mg/L		1		A2320 B	07/12/07 15:08 / ljl
Calcium	25	mg/L		1		E200.7	07/16/07 13:35 / ts
Chloride	18	mg/L		1		E200.7	07/16/07 13:35 / ts
Fluoride	1.0	mg/L		0.1		A4500-F C	07/13/07 13:07 / bas
Magnesium	6	mg/L		1		E200.7	07/16/07 13:35 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	07/17/07 15:48 / ljl
Nitrogen, Nitrate+Nitrite as N	1.0	mg/L		0.1		E353.2	07/12/07 13:25 / jal
Nitrogen, Nitrite as N	ND	mg/L		0.1		A4500-NO2 B	07/12/07 08:58 / ljl
Potassium	ND	mg/L		1		E200.7	07/16/07 13:35 / ts
Silica	10.9	mg/L		0.1		E200.7	07/16/07 13:35 / ts
Sodium	42	mg/L		1		E200.7	07/16/07 13:35 / ts
Sulfate	79	mg/L		1		E200.7	07/16/07 13:35 / ts
PHYSICAL PROPERTIES-MWMP EXTRACTABLE							
Conductivity	380	umhos/cm		1.0		A2510 B	07/12/07 11:01 / ml
pH	8.92	s.u.		0.01		A4500-H B	07/12/07 11:01 / ml
Solids, Total Dissolved TDS @ 180 C	202	mg/L		10		A2540 C	07/12/07 15:44 / ml
METALS - MWMP EXTRACTABLE							
Aluminum	0.6	mg/L		0.1		E200.8	07/16/07 20:37 / bws
Arsenic	0.003	mg/L		0.001		E200.8	07/16/07 20:37 / bws
Barium	ND	mg/L		0.1		E200.8	07/16/07 20:37 / bws
Boron	0.1	mg/L		0.1		E200.7	07/16/07 13:35 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/16/07 20:37 / bws
Chromium	ND	mg/L		0.05		E200.8	07/16/07 20:37 / bws
Copper	0.01	mg/L		0.01		E200.8	07/16/07 20:37 / bws
Iron	0.08	mg/L		0.03		E200.7	07/16/07 13:35 / ts
Lead	ND	mg/L		0.001		E200.8	07/16/07 20:37 / bws
Manganese	0.02	mg/L		0.01		E200.8	07/16/07 20:37 / bws
Mercury	ND	mg/L		0.001		E200.8	07/16/07 20:37 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/16/07 20:37 / bws
Nickel	ND	mg/L		0.05		E200.8	07/16/07 20:37 / bws
Selenium	0.008	mg/L		0.001		E200.8	07/16/07 20:37 / bws
Uranium	0.0090	mg/L		0.0003		E200.8	07/16/07 20:37 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/16/07 20:37 / bws
Zinc	ND	mg/L		0.01		E200.8	07/16/07 20:37 / bws
RADIONUCLIDES - MWMP EXTRACTABLE							
Radium 226	2.7	pCi/L		0.2		E903.0	07/17/07 11:05 / crw
Radium 226 precision (±)	1.6	pCi/L				E903.0	07/17/07 11:05 / crw

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level.
QCL - Quality control limit. ND - Not detected at the reporting limit.

PRELIMINARY

LABORATORY ANALYTICAL REPORT

Client: Power Resources Inc
Project: SR-HUP HH-12
Lab ID: C07070287-002
Client Sample ID: 003

Report Date: 07/24/07
Collection Date: 07/05/07
DateReceived: 07/06/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-2.30	%				Calculation	07/18/07 10:17 / bws
Anions	3.81	meq/L				Calculation	07/18/07 10:17 / bws
Cations	3.64	meq/L				Calculation	07/18/07 10:17 / bws
Solids, Total Dissolved Calculated	233	mg/L				Calculation	07/18/07 10:17 / bws
TDS Balance (0.80 - 1.20)	0.870	dec. %				Calculation	07/18/07 10:17 / bws
METALS - TOTAL							
Arsenic	2.7	mg/kg-dry		0.5		SW6020	07/13/07 16:43 / bws
Selenium	ND	mg/kg-dry	D	0.5		SW6020	07/13/07 16:43 / bws
Uranium	3.1	mg/kg-dry		0.5		SW6020	07/13/07 16:43 / bws
RADIONUCLIDES - TOTAL							
Radium 226	0.9	pCi/g-dry		0.1		E903.0	07/23/07 09:39 / crw
Radium 226 precision (±)	0.1	pCi/g-dry				E903.0	07/23/07 09:39 / crw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

PRELIMINARY

LABORATORY ANALYTICAL REPORT

Client: Power Resources Inc
Project: SR-HUP HH-12
Lab ID: C07070287-003
Client Sample ID: 004

Report Date: 07/24/07
Collection Date: 07/05/07
DateReceived: 07/06/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS - MWMP EXTRACTABLE							
Alkalinity, Total as CaCO3	145	mg/L		1		A2320 B	07/12/07 15:15 / ljl
Carbonate as CO3	2	mg/L		1		A2320 B	07/12/07 15:15 / ljl
Bicarbonate as HCO3	172	mg/L		1		A2320 B	07/12/07 15:15 / ljl
Calcium	55	mg/L		1		E200.7	07/18/07 19:51 / ts
Chloride	25	mg/L		1		E200.7	07/18/07 19:51 / ts
Fluoride	0.6	mg/L		0.1		A4500-F C	07/13/07 13:08 / bas
Magnesium	16	mg/L		1		E200.7	07/18/07 19:51 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	07/17/07 15:50 / ljl
Nitrogen, Nitrate+Nitrite as N	1.3	mg/L		0.1		E353.2	07/12/07 13:38 / jal
Nitrogen, Nitrite as N	ND	mg/L		0.1		A4500-NO2 B	07/12/07 09:01 / ljl
Potassium	5	mg/L		1		E200.7	07/18/07 19:51 / ts
Silica	16.5	mg/L		0.1		E200.7	07/16/07 13:39 / ts
Sodium	45	mg/L		1		E200.7	07/18/07 19:51 / ts
Sulfate	135	mg/L		1		E200.7	07/16/07 13:39 / ts
PHYSICAL PROPERTIES-MWMP EXTRACTABLE							
Conductivity	614	umhos/cm		1.0		A2510 B	07/12/07 11:03 / ml
pH	8.46	s.u.		0.01		A4500-H B	07/12/07 11:03 / ml
Solids, Total Dissolved TDS @ 180 C	366	mg/L		10		A2540 C	07/12/07 15:44 / ml
METALS - MWMP EXTRACTABLE							
Aluminum	ND	mg/L		0.1		E200.8	07/16/07 20:44 / bws
Arsenic	ND	mg/L		0.001		E200.8	07/16/07 20:44 / bws
Barium	ND	mg/L		0.1		E200.8	07/16/07 20:44 / bws
Boron	0.2	mg/L		0.1		E200.7	07/16/07 13:39 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/16/07 20:44 / bws
Chromium	ND	mg/L		0.05		E200.8	07/16/07 20:44 / bws
Copper	0.01	mg/L		0.01		E200.8	07/16/07 20:44 / bws
Iron	0.05	mg/L		0.03		E200.7	07/16/07 13:39 / ts
Lead	ND	mg/L		0.001		E200.8	07/16/07 20:44 / bws
Manganese	0.02	mg/L		0.01		E200.8	07/16/07 20:44 / bws
Mercury	ND	mg/L		0.001		E200.8	07/16/07 20:44 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/16/07 20:44 / bws
Nickel	ND	mg/L		0.05		E200.8	07/16/07 20:44 / bws
Selenium	0.082	mg/L		0.001		E200.8	07/16/07 20:44 / bws
Uranium	0.0584	mg/L		0.0003		E200.8	07/16/07 20:44 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/16/07 20:44 / bws
Zinc	ND	mg/L		0.01		E200.8	07/16/07 20:44 / bws
RADIONUCLIDES - MWMP EXTRACTABLE							
Radium 226	2.9	pCi/L		0.2		E903.0	07/17/07 11:05 / crw
Radium 226 precision (±)	1.6	pCi/L				E903.0	07/17/07 11:05 / crw

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level.
QCL - Quality control limit. ND - Not detected at the reporting limit.

PRELIMINARY

LABORATORY ANALYTICAL REPORT

Client: Power Resources Inc
Project: SR-HUP HH-12
Lab ID: C07070287-003
Client Sample ID: 004

Report Date: 07/24/07
Collection Date: 07/05/07
DateReceived: 07/06/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-3.33	%				Calculation	07/19/07 12:40 / bws
Anions	6.55	meq/L				Calculation	07/19/07 12:40 / bws
Cations	6.12	meq/L				Calculation	07/19/07 12:40 / bws
Solids, Total Dissolved Calculated	390	mg/L				Calculation	07/19/07 12:40 / bws
TDS Balance (0.80 - 1.20)	0.940	dec. %				Calculation	07/19/07 12:40 / bws
METALS - TOTAL							
Arsenic	2.3	mg/kg-dry		0.5		SW6020	07/13/07 16:48 / bws
Selenium	1.4	mg/kg-dry	D	0.5		SW6020	07/13/07 16:48 / bws
Uranium	5.4	mg/kg-dry		0.5		SW6020	07/13/07 16:48 / bws
RADIONUCLIDES - TOTAL							
Radium 226	1.3	pCi/g-dry		0.1		E903.0	07/23/07 09:39 / crw
Radium 226 precision (±)	0.1	pCi/g-dry				E903.0	07/23/07 09:39 / crw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

PRELIMINARY

LABORATORY ANALYTICAL REPORT

Client: Power Resources Inc
Project: SR-HUP HH-12
Lab ID: C07070287-004
Client Sample ID: 005

Report Date: 07/24/07
Collection Date: 07/05/07
DateReceived: 07/06/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS - MWMP EXTRACTABLE							
Alkalinity, Total as CaCO3	95	mg/L		1		A2320 B	07/12/07 15:24 / ljl
Carbonate as CO3	16	mg/L		1		A2320 B	07/12/07 15:24 / ljl
Bicarbonate as HCO3	80	mg/L		1		A2320 B	07/12/07 15:24 / ljl
Calcium	15	mg/L		1		E200.7	07/18/07 19:54 / ts
Chloride	8	mg/L		1		E200.7	07/18/07 19:54 / ts
Fluoride	0.4	mg/L		0.1		A4500-F C	07/13/07 13:09 / bas
Magnesium	2	mg/L		1		E200.7	07/16/07 13:42 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	07/17/07 15:52 / ljl
Nitrogen, Nitrate+Nitrite as N	3.2	mg/L		0.1		E353.2	07/12/07 15:45 / jal
Nitrogen, Nitrite as N	ND	mg/L		0.1		A4500-NO2 B	07/12/07 09:02 / ljl
Potassium	ND	mg/L		1		E200.7	07/16/07 13:42 / ts
Silica	15.8	mg/L		0.1		E200.7	07/16/07 13:42 / ts
Sodium	44	mg/L		1		E200.7	07/16/07 13:42 / ts
Sulfate	39	mg/L		1		E200.7	07/16/07 13:42 / ts
PHYSICAL PROPERTIES-MWMP EXTRACTABLE							
Conductivity	311	umhos/cm		1.0		A2510 B	07/12/07 11:04 / ml
pH	9.64	s.u.		0.01		A4500-H B	07/12/07 11:04 / ml
Solids, Total Dissolved TDS @ 180 C	202	mg/L		10		A2540 C	07/18/07 15:45 / ml
METALS - MWMP EXTRACTABLE							
Aluminum	0.2	mg/L		0.1		E200.8	07/16/07 20:51 / bws
Arsenic	ND	mg/L		0.001		E200.8	07/16/07 20:51 / bws
Barium	ND	mg/L		0.1		E200.8	07/16/07 20:51 / bws
Boron	0.2	mg/L		0.1		E200.7	07/16/07 13:42 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/16/07 20:51 / bws
Chromium	ND	mg/L		0.05		E200.8	07/16/07 20:51 / bws
Copper	0.01	mg/L		0.01		E200.8	07/16/07 20:51 / bws
Iron	0.14	mg/L		0.03		E200.7	07/16/07 13:42 / ts
Lead	0.002	mg/L		0.001		E200.8	07/16/07 20:51 / bws
Manganese	ND	mg/L		0.01		E200.8	07/16/07 20:51 / bws
Mercury	ND	mg/L		0.001		E200.8	07/16/07 20:51 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/16/07 20:51 / bws
Nickel	ND	mg/L		0.05		E200.8	07/16/07 20:51 / bws
Selenium	0.003	mg/L		0.001		E200.8	07/16/07 20:51 / bws
Uranium	0.0335	mg/L		0.0003		E200.8	07/16/07 20:51 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/16/07 20:51 / bws
Zinc	0.01	mg/L		0.01		E200.8	07/16/07 20:51 / bws
RADIONUCLIDES - MWMP EXTRACTABLE							
Radium 226	5.6	pCi/L		0.2		E903.0	07/17/07 11:05 / crw
Radium 226 precision (±)	2.0	pCi/L				E903.0	07/17/07 11:05 / crw

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level.
QCL - Quality control limit. ND - Not detected at the reporting limit.

PRELIMINARY

LABORATORY ANALYTICAL REPORT

Client: Power Resources Inc
Project: SR-HUP HH-12
Lab ID: C07070287-004
Client Sample ID: 005

Report Date: 07/24/07
Collection Date: 07/05/07
DateReceived: 07/06/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-4.24	%				Calculation	07/24/07 11:14 / tjp
Anions	3.18	meq/L				Calculation	07/24/07 11:14 / tjp
Cations	2.92	meq/L				Calculation	07/24/07 11:14 / tjp
Solids, Total Dissolved Calculated	196	mg/L				Calculation	07/24/07 11:14 / tjp
TDS Balance (0.80 - 1.20)	1.03	dec. %				Calculation	07/24/07 11:14 / tjp
METALS - TOTAL							
Arsenic	2.7	mg/kg-dry		0.5		SW6020	07/13/07 16:54 / bws
Selenium	0.5	mg/kg-dry	D	0.5		SW6020	07/13/07 16:54 / bws
Uranium	3.2	mg/kg-dry		0.5		SW6020	07/13/07 16:54 / bws
RADIONUCLIDES - TOTAL							
Radium 226	1.1	pCi/g-dry		0.1		E903.0	07/23/07 09:39 / crw
Radium 226 precision (±)	0.1	pCi/g-dry				E903.0	07/23/07 09:39 / crw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

PRELIMINARY

LABORATORY ANALYTICAL REPORT

Client: Power Resources Inc
Project: SR-HUP HH-12
Lab ID: C07070287-005
Client Sample ID: 006

Report Date: 07/24/07
Collection Date: 07/05/07
DateReceived: 07/06/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS - MWMP EXTRACTABLE							
Alkalinity, Total as CaCO3	60	mg/L		1		A2320 B	07/12/07 15:31 / ljl
Carbonate as CO3	4	mg/L		1		A2320 B	07/12/07 15:31 / ljl
Bicarbonate as HCO3	64	mg/L		1		A2320 B	07/12/07 15:31 / ljl
Calcium	33	mg/L		1		E200.7	07/16/07 13:46 / ts
Chloride	20	mg/L		1		E200.7	07/16/07 13:46 / ts
Fluoride	0.4	mg/L		0.1		A4500-F C	07/13/07 13:10 / bas
Magnesium	6	mg/L		1		E200.7	07/16/07 13:46 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	07/17/07 15:54 / ljl
Nitrogen, Nitrate+Nitrite as N	1.6	mg/L		0.1		E353.2	07/12/07 13:43 / jal
Nitrogen, Nitrite as N	ND	mg/L		0.1		A4500-NO2 B	07/12/07 09:03 / ljl
Potassium	2	mg/L		1		E200.7	07/16/07 13:46 / ts
Silica	17.8	mg/L		0.1		E200.7	07/16/07 13:46 / ts
Sodium	34	mg/L		1		E200.7	07/16/07 13:46 / ts
Sulfate	78	mg/L		1		E200.7	07/16/07 13:46 / ts
PHYSICAL PROPERTIES-MWMP EXTRACTABLE							
Conductivity	318	umhos/cm		1.0		A2510 B	07/18/07 13:12 / ml
pH	9.13	s.u.		0.01		A4500-H B	07/12/07 11:05 / ml
Solids, Total Dissolved TDS @ 180 C	280	mg/L		10		A2540 C	07/18/07 15:45 / ml
METALS - MWMP EXTRACTABLE							
Aluminum	ND	mg/L		0.1		E200.8	07/16/07 21:25 / bws
Arsenic	0.001	mg/L		0.001		E200.8	07/16/07 21:25 / bws
Barium	ND	mg/L		0.1		E200.8	07/16/07 21:25 / bws
Boron	0.1	mg/L		0.1		E200.7	07/16/07 13:46 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/16/07 21:25 / bws
Chromium	ND	mg/L		0.05		E200.8	07/16/07 21:25 / bws
Copper	0.01	mg/L		0.01		E200.8	07/16/07 21:25 / bws
Iron	0.06	mg/L		0.03		E200.7	07/16/07 13:46 / ts
Lead	ND	mg/L		0.001		E200.8	07/16/07 21:25 / bws
Manganese	ND	mg/L		0.01		E200.8	07/16/07 21:25 / bws
Mercury	ND	mg/L		0.001		E200.8	07/16/07 21:25 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/16/07 21:25 / bws
Nickel	ND	mg/L		0.05		E200.8	07/16/07 21:25 / bws
Selenium	0.008	mg/L		0.001		E200.8	07/16/07 21:25 / bws
Uranium	0.0230	mg/L		0.0003		E200.8	07/16/07 21:25 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/16/07 21:25 / bws
Zinc	0.01	mg/L		0.01		E200.8	07/16/07 21:25 / bws
RADIONUCLIDES - MWMP EXTRACTABLE							
Radium 226	4.6	pCi/L		0.2		E903.0	07/17/07 11:05 / crw
Radium 226 precision (±)	1.9	pCi/L				E903.0	07/17/07 11:05 / crw

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level.
QCL - Quality control limit. ND - Not detected at the reporting limit.

PRELIMINARY

LABORATORY ANALYTICAL REPORT

Client: Power Resources Inc
Project: SR-HUP HH-12
Lab ID: C07070287-005
Client Sample ID: 006

Report Date: 07/24/07
Collection Date: 07/05/07
DateReceived: 07/06/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	2.32	%				Calculation	07/19/07 12:45 / bws
Anions	3.51	meq/L				Calculation	07/19/07 12:45 / bws
Cations	3.68	meq/L				Calculation	07/19/07 12:45 / bws
Solids, Total Dissolved Calculated	234	mg/L				Calculation	07/19/07 12:45 / bws
TDS Balance (0.80 - 1.20)	1.20	dec. %				Calculation	07/19/07 12:45 / bws
METALS - TOTAL							
Arsenic	2.6	mg/kg-dry		0.5		SW6020	07/13/07 17:20 / bws
Selenium	0.6	mg/kg-dry	D	0.5		SW6020	07/13/07 17:20 / bws
Uranium	4.3	mg/kg-dry		0.5		SW6020	07/13/07 17:20 / bws
RADIONUCLIDES - TOTAL							
Radium 226	0.8	pCi/g-dry		0.1		E903.0	07/23/07 09:39 / crw
Radium 226 precision (±)	0.1	pCi/g-dry				E903.0	07/23/07 09:39 / crw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

PRELIMINARY

LABORATORY ANALYTICAL REPORT

Client: Power Resources Inc
Project: SR-HUP HH-12
Lab ID: C07070287-006
Client Sample ID: 007

Report Date: 07/24/07
Collection Date: 07/05/07
DateReceived: 07/06/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS - MWMP EXTRACTABLE							
Alkalinity, Total as CaCO3	160	mg/L		1		A2320 B	07/12/07 15:38 / ljl
Carbonate as CO3	11	mg/L		1		A2320 B	07/12/07 15:38 / ljl
Bicarbonate as HCO3	172	mg/L		1		A2320 B	07/12/07 15:38 / ljl
Calcium	26	mg/L		1		E200.7	07/16/07 13:49 / ts
Chloride	3	mg/L		1		E200.7	07/16/07 13:49 / ts
Fluoride	0.3	mg/L		0.1		A4500-F C	07/13/07 13:11 / bas
Magnesium	3	mg/L		1		E200.7	07/16/07 13:49 / ts
Nitrogen, Ammonia as N	0.10	mg/L		0.05		A4500-NH3 G	07/17/07 16:02 / ljl
Nitrogen, Nitrate+Nitrite as N	0.3	mg/L		0.1		E353.2	07/12/07 13:45 / jal
Nitrogen, Nitrite as N	ND	mg/L		0.1		A4500-NO2 B	07/12/07 09:04 / ljl
Potassium	7	mg/L		1		E200.7	07/16/07 13:49 / ts
Silica	24.5	mg/L		0.1		E200.7	07/16/07 13:49 / ts
Sodium	34	mg/L		1		E200.7	07/16/07 13:49 / ts
Sulfate	3	mg/L		1		E200.7	07/16/07 13:49 / ts
PHYSICAL PROPERTIES-MWMP EXTRACTABLE							
Conductivity	294	umhos/cm		1.0		A2510 B	07/12/07 11:06 / ml
pH	9.13	s.u.		0.01		A4500-H B	07/12/07 11:06 / ml
Solids, Total Dissolved TDS @ 180 C	191	mg/L		10		A2540 C	07/18/07 15:46 / ml
METALS - MWMP EXTRACTABLE							
Aluminum	0.3	mg/L		0.1		E200.8	07/16/07 21:32 / bws
Arsenic	0.002	mg/L		0.001		E200.8	07/16/07 21:32 / bws
Barium	ND	mg/L		0.1		E200.8	07/16/07 21:32 / bws
Boron	0.4	mg/L		0.1		E200.7	07/16/07 13:49 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/16/07 21:32 / bws
Chromium	ND	mg/L		0.05		E200.8	07/16/07 21:32 / bws
Copper	0.04	mg/L		0.01		E200.8	07/16/07 21:32 / bws
Iron	0.16	mg/L		0.03		E200.7	07/16/07 13:49 / ts
Lead	0.006	mg/L		0.001		E200.8	07/16/07 21:32 / bws
Manganese	ND	mg/L		0.01		E200.8	07/16/07 21:32 / bws
Mercury	ND	mg/L		0.001		E200.8	07/16/07 21:32 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/16/07 21:32 / bws
Nickel	ND	mg/L		0.05		E200.8	07/16/07 21:32 / bws
Selenium	ND	mg/L		0.001		E200.8	07/16/07 21:32 / bws
Uranium	0.0402	mg/L		0.0003		E200.8	07/16/07 21:32 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/16/07 21:32 / bws
Zinc	0.09	mg/L		0.01		E200.8	07/16/07 21:32 / bws
RADIONUCLIDES - MWMP EXTRACTABLE							
Radium 226	8.9	pCi/L		0.2		E903.0	07/17/07 11:05 / crw
Radium 226 precision (±)	2.4	pCi/L				E903.0	07/17/07 11:05 / crw

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level.
QCL - Quality control limit. ND - Not detected at the reporting limit.

PRELIMINARY

LABORATORY ANALYTICAL REPORT

Client: Power Resources Inc
Project: SR-HUP HH-12
Lab ID: C07070287-006
Client Sample ID: 007

Report Date: 07/24/07
Collection Date: 07/05/07
DateReceived: 07/06/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-2.03	%				Calculation	07/24/07 11:14 / tjp
Anions	3.39	meq/L				Calculation	07/24/07 11:14 / tjp
Cations	3.26	meq/L				Calculation	07/24/07 11:14 / tjp
Solids, Total Dissolved Calculated	199	mg/L				Calculation	07/24/07 11:14 / tjp
TDS Balance (0.80 - 1.20)	0.960	dec. %				Calculation	07/24/07 11:14 / tjp
METALS - TOTAL							
Arsenic	6.3	mg/kg-dry		0.5		SW6020	07/13/07 17:25 / bws
Selenium	ND	mg/kg-dry	D	0.5		SW6020	07/13/07 17:25 / bws
Uranium	1.4	mg/kg-dry		0.5		SW6020	07/13/07 17:25 / bws
RADIONUCLIDES - TOTAL							
Radium 226	0.6	pCi/g-dry		0.1		E903.0	07/23/07 09:39 / crw
Radium 226 precision (±)	0.1	pCi/g-dry				E903.0	07/23/07 09:39 / crw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

PRELIMINARY

LABORATORY ANALYTICAL REPORT

Client: Power Resources Inc
Project: SR-HUP HH-12
Lab ID: C07070287-007
Client Sample ID: 008

Report Date: 07/24/07
Collection Date: 07/05/07
DateReceived: 07/06/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS - MWMP EXTRACTABLE							
Alkalinity, Total as CaCO3	30	mg/L		1		A2320 B	07/12/07 15:44 / ljl
Carbonate as CO3	ND	mg/L		1		A2320 B	07/12/07 15:44 / ljl
Bicarbonate as HCO3	36	mg/L		1		A2320 B	07/12/07 15:44 / ljl
Calcium	20	mg/L		1		E200.7	07/16/07 13:52 / ts
Chloride	14	mg/L		1		E200.7	07/16/07 13:52 / ts
Fluoride	0.2	mg/L		0.1		A4500-F C	07/13/07 13:18 / bas
Magnesium	5	mg/L		1		E200.7	07/16/07 13:52 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	07/17/07 16:04 / ljl
Nitrogen, Nitrate+Nitrite as N	0.2	mg/L		0.1		E353.2	07/12/07 13:48 / jal
Nitrogen, Nitrite as N	ND	mg/L		0.1		A4500-NO2 B	07/12/07 09:05 / ljl
Potassium	2	mg/L		1		E200.7	07/16/07 13:52 / ts
Silica	16.8	mg/L		0.1		E200.7	07/16/07 13:52 / ts
Sodium	30	mg/L		1		E200.7	07/16/07 13:52 / ts
Sulfate	77	mg/L		1		E200.7	07/16/07 13:52 / ts
PHYSICAL PROPERTIES-MWMP EXTRACTABLE							
Conductivity	262	umhos/cm		1.0		A2510 B	07/12/07 11:08 / ml
pH	8.41	s.u.		0.01		A4500-H B	07/12/07 11:08 / ml
Solids, Total Dissolved TDS @ 180 C	205	mg/L		10		A2540 C	07/12/07 15:45 / ml
METALS - MWMP EXTRACTABLE							
Aluminum	ND	mg/L		0.1		E200.8	07/16/07 21:38 / bws
Arsenic	ND	mg/L		0.001		E200.8	07/16/07 21:38 / bws
Barium	ND	mg/L		0.1		E200.8	07/16/07 21:38 / bws
Boron	0.2	mg/L		0.1		E200.7	07/16/07 13:52 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/16/07 21:38 / bws
Chromium	ND	mg/L		0.05		E200.8	07/16/07 21:38 / bws
Copper	ND	mg/L		0.01		E200.8	07/16/07 21:38 / bws
Iron	0.06	mg/L		0.03		E200.7	07/16/07 13:52 / ts
Lead	ND	mg/L		0.001		E200.8	07/16/07 21:38 / bws
Manganese	ND	mg/L		0.01		E200.8	07/16/07 21:38 / bws
Mercury	ND	mg/L		0.001		E200.8	07/16/07 21:38 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/16/07 21:38 / bws
Nickel	ND	mg/L		0.05		E200.8	07/16/07 21:38 / bws
Selenium	ND	mg/L		0.001		E200.8	07/16/07 21:38 / bws
Uranium	0.0258	mg/L		0.0003		E200.8	07/16/07 21:38 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/16/07 21:38 / bws
Zinc	ND	mg/L		0.01		E200.8	07/16/07 21:38 / bws
RADIONUCLIDES - MWMP EXTRACTABLE							
Radium 226	5.1	pCi/L		0.2		E903.0	07/17/07 11:05 / crw
Radium 226 precision (±)	2.0	pCi/L				E903.0	07/17/07 11:05 / crw

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level.
QCL - Quality control limit. ND - Not detected at the reporting limit.

PRELIMINARY

LABORATORY ANALYTICAL REPORT

Client: Power Resources Inc
Project: SR-HUP HH-12
Lab ID: C07070287-007
Client Sample ID: 008

Report Date: 07/24/07
Collection Date: 07/05/07
DateReceived: 07/06/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	2.81	%				Calculation	07/24/07 11:14 / tjp
Anions	2.62	meq/L				Calculation	07/24/07 11:14 / tjp
Cations	2.78	meq/L				Calculation	07/24/07 11:14 / tjp
Solids, Total Dissolved Calculated	184	mg/L				Calculation	07/24/07 11:14 / tjp
TDS Balance (0.80 - 1.20)	1.11	dec. %				Calculation	07/24/07 11:14 / tjp
METALS - TOTAL							
Arsenic	3.4	mg/kg-dry		0.5		SW6020	07/13/07 17:30 / bws
Selenium	ND	mg/kg-dry	D	0.5		SW6020	07/13/07 17:30 / bws
Uranium	4.0	mg/kg-dry		0.5		SW6020	07/13/07 17:30 / bws
RADIONUCLIDES - TOTAL							
Radium 226	1.2	pCi/g-dry		0.1		E903.0	07/23/07 09:39 / crw
Radium 226 precision (±)	0.1	pCi/g-dry				E903.0	07/23/07 09:39 / crw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

PRELIMINARY

LABORATORY ANALYTICAL REPORT

Client: Power Resources Inc
Project: SR-HUP HH-12
Lab ID: C07070287-008
Client Sample ID: 009

Report Date: 07/24/07
Collection Date: 07/05/07
DateReceived: 07/06/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS - MWMP EXTRACTABLE							
Alkalinity, Total as CaCO3	70	mg/L		1		A2320 B	07/12/07 15:52 / ljl
Carbonate as CO3	7	mg/L		1		A2320 B	07/12/07 15:52 / ljl
Bicarbonate as HCO3	71	mg/L		1		A2320 B	07/12/07 15:52 / ljl
Calcium	8	mg/L		1		E200.7	07/16/07 13:56 / ts
Chloride	7	mg/L		1		E200.7	07/16/07 13:56 / ts
Fluoride	0.5	mg/L		0.1		A4500-F C	07/13/07 13:19 / bas
Magnesium	2	mg/L		1		E200.7	07/16/07 13:56 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	07/17/07 16:06 / ljl
Nitrogen, Nitrate+Nitrite as N	1.0	mg/L		0.1		E353.2	07/12/07 13:55 / jal
Nitrogen, Nitrite as N	ND	mg/L		0.1		A4500-NO2 B	07/12/07 09:07 / ljl
Potassium	ND	mg/L		1		E200.7	07/16/07 13:56 / ts
Silica	18.6	mg/L		0.1		E200.7	07/16/07 13:56 / ts
Sodium	29	mg/L		1		E200.7	07/16/07 13:56 / ts
Sulfate	18	mg/L		1		E200.7	07/16/07 13:56 / ts
PHYSICAL PROPERTIES-MWMP EXTRACTABLE							
Conductivity	155	umhos/cm		1.0		A2510 B	07/12/07 11:54 / ml
pH	9.30	s.u.		0.01		A4500-H B	07/12/07 11:54 / ml
Solids, Total Dissolved TDS @ 180 C	116	mg/L		10		A2540 C	07/12/07 15:46 / ml
METALS - MWMP EXTRACTABLE							
Aluminum	0.5	mg/L		0.1		E200.8	07/16/07 21:45 / bws
Arsenic	ND	mg/L		0.001		E200.8	07/16/07 21:45 / bws
Barium	ND	mg/L		0.1		E200.8	07/16/07 21:45 / bws
Boron	0.2	mg/L		0.1		E200.7	07/16/07 13:56 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/16/07 21:45 / bws
Chromium	ND	mg/L		0.05		E200.8	07/16/07 21:45 / bws
Copper	0.02	mg/L		0.01		E200.8	07/16/07 21:45 / bws
Iron	0.31	mg/L		0.03		E200.7	07/16/07 13:56 / ts
Lead	0.005	mg/L		0.001		E200.8	07/16/07 21:45 / bws
Manganese	ND	mg/L		0.01		E200.8	07/16/07 21:45 / bws
Mercury	ND	mg/L		0.001		E200.8	07/16/07 21:45 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/16/07 21:45 / bws
Nickel	ND	mg/L		0.05		E200.8	07/16/07 21:45 / bws
Selenium	ND	mg/L		0.001		E200.8	07/16/07 21:45 / bws
Uranium	0.0175	mg/L		0.0003		E200.8	07/16/07 21:45 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/16/07 21:45 / bws
Zinc	0.04	mg/L		0.01		E200.8	07/16/07 21:45 / bws
RADIONUCLIDES - MWMP EXTRACTABLE							
Radium 226	22.2	pCi/L		0.2		E903.0	07/17/07 11:05 / crw
Radium 226 precision (±)	3.5	pCi/L				E903.0	07/17/07 11:05 / crw

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level.
QCL - Quality control limit. ND - Not detected at the reporting limit.

PRELIMINARY

LABORATORY ANALYTICAL REPORT

Client: Power Resources Inc
Project: SR-HUP HH-12
Lab ID: C07070287-008
Client Sample ID: 009

Report Date: 07/24/07
Collection Date: 07/05/07
DateReceived: 07/06/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-4.26	%				Calculation	07/24/07 11:15 / tjp
Anions	2.05	meq/L				Calculation	07/24/07 11:15 / tjp
Cations	1.88	meq/L				Calculation	07/24/07 11:15 / tjp
Solids, Total Dissolved Calculated	129	mg/L				Calculation	07/24/07 11:15 / tjp
TDS Balance (0.80 - 1.20)	0.900	dec. %				Calculation	07/24/07 11:15 / tjp
METALS - TOTAL							
Arsenic	3.6	mg/kg-dry		0.5		SW6020	07/13/07 17:36 / bws
Selenium	ND	mg/kg-dry	D	0.5		SW6020	07/13/07 17:36 / bws
Uranium	2.4	mg/kg-dry		0.5		SW6020	07/13/07 17:36 / bws
RADIONUCLIDES - TOTAL							
Radium 226	0.7	pCi/g-dry		0.1		E903.0	07/23/07 09:39 / crw
Radium 226 precision (±)	0.1	pCi/g-dry				E903.0	07/23/07 09:39 / crw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

PRELIMINARY

LABORATORY ANALYTICAL REPORT

Client: Power Resources Inc
Project: SR-HUP HH-12
Lab ID: C07070287-009
Client Sample ID: 010

Report Date: 07/24/07
Collection Date: 07/05/07
DateReceived: 07/06/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS - MWMP EXTRACTABLE							
Alkalinity, Total as CaCO3	55	mg/L		1		A2320 B	07/12/07 15:58 / ljl
Carbonate as CO3	3	mg/L		1		A2320 B	07/12/07 15:58 / ljl
Bicarbonate as HCO3	60	mg/L		1		A2320 B	07/12/07 15:58 / ljl
Calcium	31	mg/L		1		E200.7	07/16/07 14:08 / ts
Chloride	14	mg/L		1		E200.7	07/18/07 20:21 / ts
Fluoride	0.4	mg/L		0.1		A4500-F C	07/13/07 13:20 / bas
Magnesium	6	mg/L		1		E200.7	07/16/07 14:08 / ts
Nitrogen, Ammonia as N	0.41	mg/L		0.05		A4500-NH3 G	07/17/07 16:08 / ljl
Nitrogen, Nitrate+Nitrite as N	3.7	mg/L		0.1		E353.2	07/12/07 13:58 / jal
Nitrogen, Nitrite as N	ND	mg/L		0.1		A4500-NO2 B	07/12/07 09:08 / ljl
Potassium	4	mg/L		1		E200.7	07/16/07 14:08 / ts
Silica	28.1	mg/L		0.1		E200.7	07/16/07 14:08 / ts
Sodium	24	mg/L		1		E200.7	07/16/07 14:08 / ts
Sulfate	82	mg/L		1		E200.7	07/16/07 14:08 / ts
PHYSICAL PROPERTIES-MWMP EXTRACTABLE							
Conductivity	339	umhos/cm		1.0		A2510 B	07/12/07 11:13 / ml
pH	9.07	s.u.		0.01		A4500-H B	07/12/07 11:13 / ml
Solids, Total Dissolved TDS @ 180 C	278	mg/L		10		A2540 C	07/18/07 15:46 / ml
METALS - MWMP EXTRACTABLE							
Aluminum	ND	mg/L		0.1		E200.8	07/16/07 21:52 / bws
Arsenic	ND	mg/L		0.001		E200.8	07/16/07 21:52 / bws
Barium	ND	mg/L		0.1		E200.8	07/16/07 21:52 / bws
Boron	0.3	mg/L		0.1		E200.7	07/16/07 14:08 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/16/07 21:52 / bws
Chromium	ND	mg/L		0.05		E200.8	07/16/07 21:52 / bws
Copper	0.31	mg/L		0.01		E200.8	07/16/07 21:52 / bws
Iron	0.08	mg/L		0.03		E200.7	07/16/07 14:08 / ts
Lead	0.036	mg/L		0.001		E200.8	07/16/07 21:52 / bws
Manganese	ND	mg/L		0.01		E200.8	07/16/07 21:52 / bws
Mercury	ND	mg/L		0.001		E200.8	07/16/07 21:52 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/16/07 21:52 / bws
Nickel	ND	mg/L		0.05		E200.8	07/16/07 21:52 / bws
Selenium	ND	mg/L		0.001		E200.8	07/16/07 21:52 / bws
Uranium	0.0179	mg/L		0.0003		E200.8	07/16/07 21:52 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/16/07 21:52 / bws
Zinc	1.00	mg/L		0.01		E200.8	07/16/07 21:52 / bws
RADIONUCLIDES - MWMP EXTRACTABLE							
Radium 226	5.3	pCi/L		0.2		E903.0	07/17/07 11:05 / crw
Radium 226 precision (±)	1.9	pCi/L				E903.0	07/17/07 11:05 / crw

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level.
QCL - Quality control limit. ND - Not detected at the reporting limit.

PRELIMINARY

LABORATORY ANALYTICAL REPORT

Client: Power Resources Inc
Project: SR-HUP HH-12
Lab ID: C07070287-009
Client Sample ID: 010

Report Date: 07/24/07
Collection Date: 07/05/07
DateReceived: 07/06/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-4.46	%				Calculation	07/19/07 12:52 / bws
Anions	3.48	meq/L				Calculation	07/19/07 12:52 / bws
Cations	3.19	meq/L				Calculation	07/19/07 12:52 / bws
Solids, Total Dissolved Calculated	238	mg/L				Calculation	07/19/07 12:52 / bws
TDS Balance (0.80 - 1.20)	1.17	dec. %				Calculation	07/19/07 12:52 / bws
METALS - TOTAL							
Arsenic	2.9	mg/kg-dry		0.5		SW6020	07/13/07 17:41 / bws
Selenium	ND	mg/kg-dry	D	0.5		SW6020	07/13/07 17:41 / bws
Uranium	3.6	mg/kg-dry		0.5		SW6020	07/13/07 17:41 / bws
RADIONUCLIDES - TOTAL							
Radium 226	0.8	pCi/g-dry		0.1		E903.0	07/23/07 12:18 / crw
Radium 226 precision (±)	0.1	pCi/g-dry				E903.0	07/23/07 12:18 / crw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

PRELIMINARY

LABORATORY ANALYTICAL REPORT

Client: Power Resources Inc
Project: SR-HUP HH-12
Lab ID: C07070287-010
Client Sample ID: 011

Report Date: 07/24/07
Collection Date: 07/05/07
DateReceived: 07/06/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS - MWMP EXTRACTABLE							
Alkalinity, Total as CaCO3	45	mg/L		1		A2320 B	07/12/07 16:42 / ljl
Carbonate as CO3	7	mg/L		1		A2320 B	07/12/07 16:42 / ljl
Bicarbonate as HCO3	39	mg/L		1		A2320 B	07/12/07 16:42 / ljl
Calcium	46	mg/L		1		E200.7	07/18/07 20:24 / ts
Chloride	15	mg/L		1		E200.7	07/18/07 20:24 / ts
Fluoride	0.4	mg/L		0.1		A4500-F C	07/13/07 13:21 / bas
Magnesium	6	mg/L		1		E200.7	07/18/07 20:24 / ts
Nitrogen, Ammonia as N	0.22	mg/L		0.05		A4500-NH3 G	07/17/07 16:10 / ljl
Nitrogen, Nitrate+Nitrite as N	2.3	mg/L		0.1		E353.2	07/12/07 14:00 / jal
Nitrogen, Nitrite as N	ND	mg/L		0.1		A4500-NO2 B	07/12/07 09:08 / ljl
Potassium	2	mg/L		1		E200.7	07/18/07 20:24 / ts
Silica	17.8	mg/L		0.1		E200.7	07/16/07 14:12 / ts
Sodium	16	mg/L		1		E200.7	07/18/07 20:24 / ts
Sulfate	97	mg/L		1		E200.7	07/18/07 20:24 / ts
PHYSICAL PROPERTIES-MWMP EXTRACTABLE							
Conductivity	365	umhos/cm		1.0		A2510 B	07/18/07 13:37 / ml
pH	9.58	s.u.		0.01		A4500-H B	07/12/07 11:14 / ml
Solids, Total Dissolved TDS @ 180 C	274	mg/L		10		A2540 C	07/18/07 15:40 / ml
METALS - MWMP EXTRACTABLE							
Aluminum	ND	mg/L		0.1		E200.8	07/16/07 21:58 / bws
Arsenic	ND	mg/L		0.001		E200.8	07/16/07 21:58 / bws
Barium	ND	mg/L		0.1		E200.8	07/16/07 21:58 / bws
Boron	ND	mg/L		0.1		E200.7	07/16/07 14:12 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/16/07 21:58 / bws
Chromium	ND	mg/L		0.05		E200.8	07/16/07 21:58 / bws
Copper	0.34	mg/L		0.01		E200.8	07/16/07 21:58 / bws
Iron	0.04	mg/L		0.03		E200.7	07/16/07 14:12 / ts
Lead	0.021	mg/L		0.001		E200.8	07/16/07 21:58 / bws
Manganese	ND	mg/L		0.01		E200.8	07/16/07 21:58 / bws
Mercury	ND	mg/L		0.001		E200.8	07/16/07 21:58 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/16/07 21:58 / bws
Nickel	ND	mg/L		0.05		E200.8	07/16/07 21:58 / bws
Selenium	0.005	mg/L		0.001		E200.8	07/16/07 21:58 / bws
Uranium	0.0033	mg/L		0.0003		E200.8	07/16/07 21:58 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/16/07 21:58 / bws
Zinc	1.66	mg/L		0.01		E200.8	07/16/07 21:58 / bws
RADIONUCLIDES - MWMP EXTRACTABLE							
Radium 226	1.7	pCi/L		0.2		E903.0	07/17/07 11:05 / crw
Radium 226 precision (±)	1.5	pCi/L				E903.0	07/17/07 11:05 / crw

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level.
QCL - Quality control limit. ND - Not detected at the reporting limit.

PRELIMINARY

LABORATORY ANALYTICAL REPORT

Client: Power Resources Inc
Project: SR-HUP HH-12
Lab ID: C07070287-010
Client Sample ID: 011

Report Date: 07/24/07
Collection Date: 07/05/07
DateReceived: 07/06/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	0.142	%				Calculation	07/24/07 11:15 / tjp
Anions	3.53	meq/L				Calculation	07/24/07 11:15 / tjp
Cations	3.54	meq/L				Calculation	07/24/07 11:15 / tjp
Solids, Total Dissolved Calculated	237	mg/L				Calculation	07/24/07 11:15 / tjp
TDS Balance (0.80 - 1.20)	1.16	dec. %				Calculation	07/24/07 11:15 / tjp
METALS - TOTAL							
Arsenic	2.6	mg/kg-dry		0.5		SW6020	07/13/07 17:46 / bws
Selenium	ND	mg/kg-dry	D	0.5		SW6020	07/13/07 17:46 / bws
Uranium	7.6	mg/kg-dry		0.5		SW6020	07/13/07 17:46 / bws
RADIONUCLIDES - TOTAL							
Radium 226	0.9	pCi/g-dry		0.1		E903.0	07/23/07 12:18 / crw
Radium 226 precision (±)	0.1	pCi/g-dry				E903.0	07/23/07 12:18 / crw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Power Resources Inc
Project: SR-HUP HH-12
Lab ID: C07070287-011
Client Sample ID: 012

Report Date: 07/24/07
Collection Date: 07/05/07
DateReceived: 07/06/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS - MWMP EXTRACTABLE							
Alkalinity, Total as CaCO3	30	mg/L		1		A2320 B	07/12/07 16:48 / ljl
Carbonate as CO3	2	mg/L		1		A2320 B	07/12/07 16:48 / ljl
Bicarbonate as HCO3	31	mg/L		1		A2320 B	07/12/07 16:48 / ljl
Calcium	23	mg/L		1		E200.7	07/16/07 14:22 / ts
Chloride	17	mg/L		1		E200.7	07/16/07 14:22 / ts
Fluoride	0.3	mg/L		0.1		A4500-F C	07/13/07 13:22 / bas
Magnesium	3	mg/L		1		E200.7	07/16/07 14:22 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	07/17/07 16:14 / ljl
Nitrogen, Nitrate+Nitrite as N	0.3	mg/L		0.1		E353.2	07/12/07 14:03 / jal
Nitrogen, Nitrite as N	ND	mg/L		0.1		A4500-NO2 B	07/12/07 09:09 / ljl
Potassium	ND	mg/L		1		E200.7	07/16/07 14:22 / ts
Silica	16.4	mg/L		0.1		E200.7	07/16/07 14:22 / ts
Sodium	27	mg/L		1		E200.7	07/16/07 14:22 / ts
Sulfate	72	mg/L		1		E200.7	07/16/07 14:22 / ts
PHYSICAL PROPERTIES-MWMP EXTRACTABLE							
Conductivity	268	umhos/cm		1.0		A2510 B	07/12/07 11:16 / ml
pH	9.21	s.u.		0.01		A4500-H B	07/12/07 11:16 / ml
Solids, Total Dissolved TDS @ 180 C	174	mg/L		10		A2540 C	07/12/07 15:47 / ml
METALS - MWMP EXTRACTABLE							
Aluminum	ND	mg/L		0.1		E200.8	07/16/07 22:05 / bws
Arsenic	ND	mg/L		0.001		E200.8	07/16/07 22:05 / bws
Barium	ND	mg/L		0.1		E200.8	07/16/07 22:05 / bws
Boron	ND	mg/L		0.1		E200.7	07/16/07 14:22 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/16/07 22:05 / bws
Chromium	ND	mg/L		0.05		E200.8	07/16/07 22:05 / bws
Copper	ND	mg/L		0.01		E200.8	07/16/07 22:05 / bws
Iron	0.03	mg/L		0.03		E200.7	07/16/07 14:22 / ts
Lead	ND	mg/L		0.001		E200.8	07/16/07 22:05 / bws
Manganese	ND	mg/L		0.01		E200.8	07/16/07 22:05 / bws
Mercury	ND	mg/L		0.001		E200.8	07/16/07 22:05 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/16/07 22:05 / bws
Nickel	ND	mg/L		0.05		E200.8	07/16/07 22:05 / bws
Selenium	0.005	mg/L		0.001		E200.8	07/16/07 22:05 / bws
Uranium	0.0121	mg/L		0.0003		E200.8	07/16/07 22:05 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/16/07 22:05 / bws
Zinc	0.04	mg/L		0.01		E200.8	07/16/07 22:05 / bws
RADIONUCLIDES - MWMP EXTRACTABLE							
Radium 226	1.6	pCi/L		0.2		E903.0	07/17/07 11:05 / crw
Radium 226 precision (±)	1.4	pCi/L				E903.0	07/17/07 11:05 / crw

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level.
QCL - Quality control limit. ND - Not detected at the reporting limit.

PRELIMINARY

LABORATORY ANALYTICAL REPORT

Client: Power Resources Inc
Project: SR-HUP HH-12
Lab ID: C07070287-011
Client Sample ID: 012

Report Date: 07/24/07
Collection Date: 07/05/07
DateReceived: 07/06/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	0.070	%				Calculation	07/24/07 11:16 / tjp
Anions	2.61	meq/L				Calculation	07/24/07 11:16 / tjp
Cations	2.61	meq/L				Calculation	07/24/07 11:16 / tjp
Solids, Total Dissolved Calculated	178	mg/L				Calculation	07/24/07 11:16 / tjp
TDS Balance (0.80 - 1.20)	0.980	dec. %				Calculation	07/24/07 11:16 / tjp
METALS - TOTAL							
Arsenic	2.5	mg/kg-dry		0.5		SW6020	07/13/07 17:52 / bws
Selenium	ND	mg/kg-dry	D	0.5		SW6020	07/13/07 17:52 / bws
Uranium	2.7	mg/kg-dry		0.5		SW6020	07/13/07 17:52 / bws
RADIONUCLIDES - TOTAL							
Radium 226	0.7	pCi/g-dry		0.1		E903.0	07/23/07 12:18 / crw
Radium 226 precision (±)	0.1	pCi/g-dry				E903.0	07/23/07 12:18 / crw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

PRELIMINARY

LABORATORY ANALYTICAL REPORT

Client: Power Resources Inc
Project: SR-HUP HH-12
Lab ID: C07070287-012
Client Sample ID: 013

Report Date: 07/24/07
Collection Date: 07/05/07
DateReceived: 07/06/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS - MWMP EXTRACTABLE							
Alkalinity, Total as CaCO3	110	mg/L		1		A2320 B	07/12/07 16:53 / ljl
Carbonate as CO3	27	mg/L		1		A2320 B	07/12/07 16:53 / ljl
Bicarbonate as HCO3	76	mg/L		1		A2320 B	07/12/07 16:53 / ljl
Calcium	13	mg/L		1		E200.7	07/16/07 14:25 / ts
Chloride	1	mg/L		1		E200.7	07/16/07 14:25 / ts
Fluoride	0.8	mg/L		0.1		A4500-F C	07/13/07 13:24 / bas
Magnesium	6	mg/L		1		E200.7	07/16/07 14:25 / ts
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	07/17/07 16:16 / ljl
Nitrogen, Nitrate+Nitrite as N	0.4	mg/L		0.1		E353.2	07/12/07 15:33 / jal
Nitrogen, Nitrite as N	ND	mg/L		0.1		A4500-NO2 B	07/12/07 09:10 / ljl
Potassium	ND	mg/L		1		E200.7	07/16/07 14:25 / ts
Silica	26.4	mg/L		0.1		E200.7	07/16/07 14:25 / ts
Sodium	24	mg/L		1		E200.7	07/16/07 14:25 / ts
Sulfate	3	mg/L		1		E200.7	07/16/07 14:25 / ts
PHYSICAL PROPERTIES-MWMP EXTRACTABLE							
Conductivity	230	umhos/cm		1.0		A2510 B	07/12/07 11:17 / ml
pH	9.88	s.u.		0.01		A4500-H B	07/12/07 11:17 / ml
Solids, Total Dissolved TDS @ 180 C	80	mg/L		10		A2540 C	07/12/07 15:47 / ml
METALS - MWMP EXTRACTABLE							
Aluminum	0.7	mg/L		0.1		E200.8	07/16/07 22:12 / bws
Arsenic	0.001	mg/L		0.001		E200.8	07/16/07 22:12 / bws
Barium	ND	mg/L		0.1		E200.8	07/16/07 22:12 / bws
Boron	0.5	mg/L		0.1		E200.7	07/16/07 14:25 / ts
Cadmium	ND	mg/L		0.005		E200.8	07/16/07 22:12 / bws
Chromium	ND	mg/L		0.05		E200.8	07/16/07 22:12 / bws
Copper	0.02	mg/L		0.01		E200.8	07/16/07 22:12 / bws
Iron	0.37	mg/L		0.03		E200.7	07/16/07 14:25 / ts
Lead	0.005	mg/L		0.001		E200.8	07/16/07 22:12 / bws
Manganese	ND	mg/L		0.01		E200.8	07/16/07 22:12 / bws
Mercury	ND	mg/L		0.001		E200.8	07/16/07 22:12 / bws
Molybdenum	ND	mg/L		0.1		E200.8	07/16/07 22:12 / bws
Nickel	ND	mg/L		0.05		E200.8	07/16/07 22:12 / bws
Selenium	0.001	mg/L		0.001		E200.8	07/16/07 22:12 / bws
Uranium	0.0042	mg/L		0.0003		E200.8	07/16/07 22:12 / bws
Vanadium	ND	mg/L		0.1		E200.8	07/16/07 22:12 / bws
Zinc	0.03	mg/L		0.01		E200.8	07/16/07 22:12 / bws
RADIONUCLIDES - MWMP EXTRACTABLE							
Radium 226	19.4	pCi/L		0.2		E903.0	07/17/07 11:05 / crw
Radium 226 precision (±)	3.3	pCi/L				E903.0	07/17/07 11:05 / crw

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level.
QCL - Quality control limit. ND - Not detected at the reporting limit.

PRELIMINARY

LABORATORY ANALYTICAL REPORT

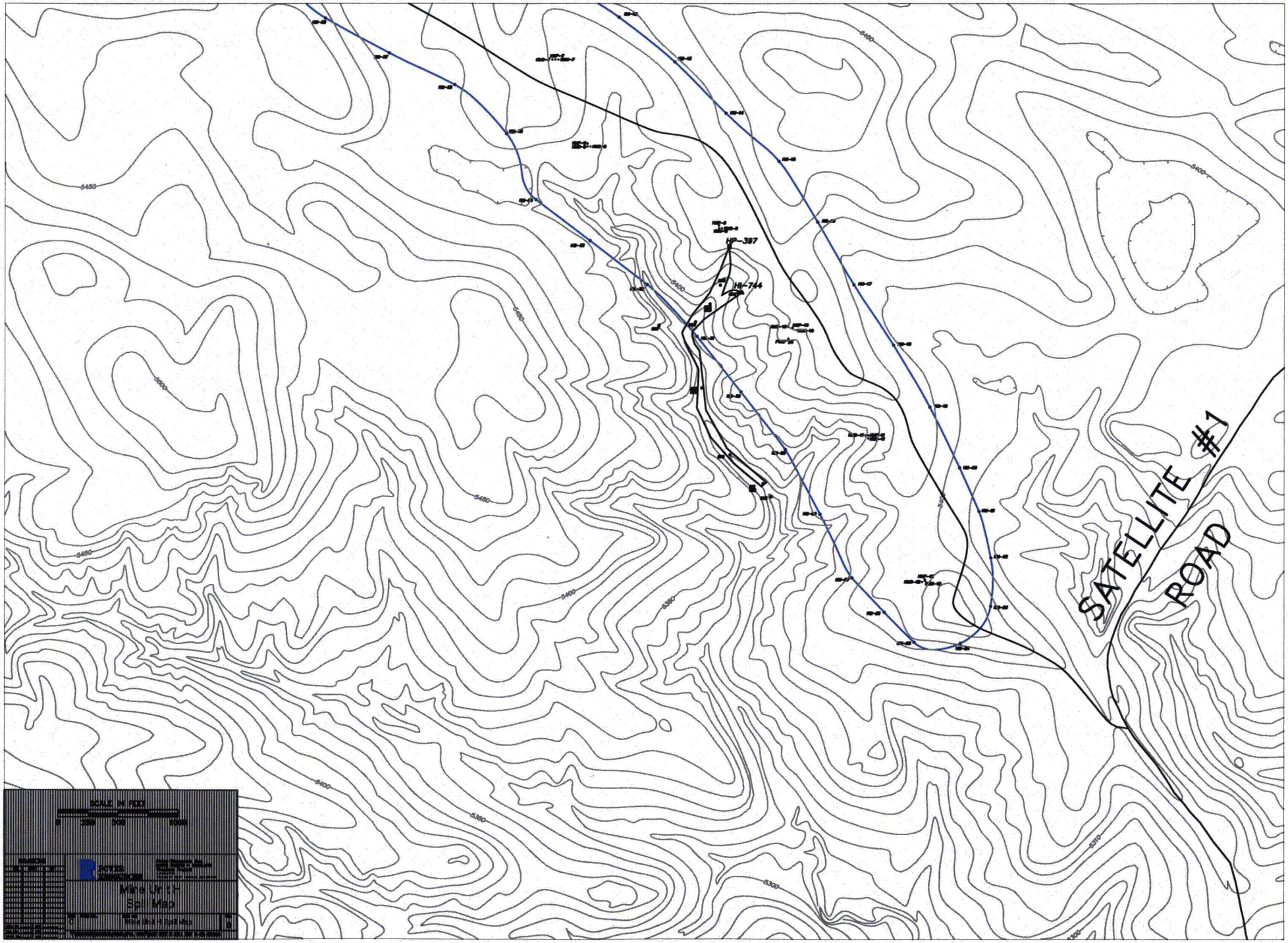
Client: Power Resources Inc
Project: SR-HUP HH-12
Lab ID: C07070287-012
Client Sample ID: 013

Report Date: 07/24/07
Collection Date: 07/05/07
DateReceived: 07/06/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-0.945	%				Calculation	07/24/07 11:17 / tjp
Anions	2.36	meq/L				Calculation	07/24/07 11:17 / tjp
Cations	2.32	meq/L				Calculation	07/24/07 11:17 / tjp
Solids, Total Dissolved Calculated	142	mg/L				Calculation	07/24/07 11:17 / tjp
TDS Balance (0.80 - 1.20)	0.560	dec. %				Calculation	07/24/07 11:17 / tjp
METALS - TOTAL							
Arsenic	2.5	mg/kg-dry		0.5		SW6020	07/13/07 17:57 / bws
Selenium	ND	mg/kg-dry	D	0.5		SW6020	07/13/07 17:57 / bws
Uranium	1.5	mg/kg-dry		0.5		SW6020	07/13/07 17:57 / bws
RADIONUCLIDES - TOTAL							
Radium 226	0.9	pCi/g-dry		0.1		E903.0	07/23/07 12:18 / crw
Radium 226 precision (±)	0.1	pCi/g-dry				E903.0	07/23/07 12:18 / crw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

PRELIMINARY


HP-397
HP-744
SATELLITE #1
ROAD
Mine Unit F
Spill Map