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Goelectrical Surveys with 2D Resistivity, Squaw Creek, Yukon

September 19th- 20th 2009

and

September 14th- 16th 2010

For:

Gem Steel Edmonton Ltd.

Brad Gemmer

9060 – 24 Street

Edmonton, Alberta

T6P 1X8, Canada

Work performed by:

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Date of Documentation:

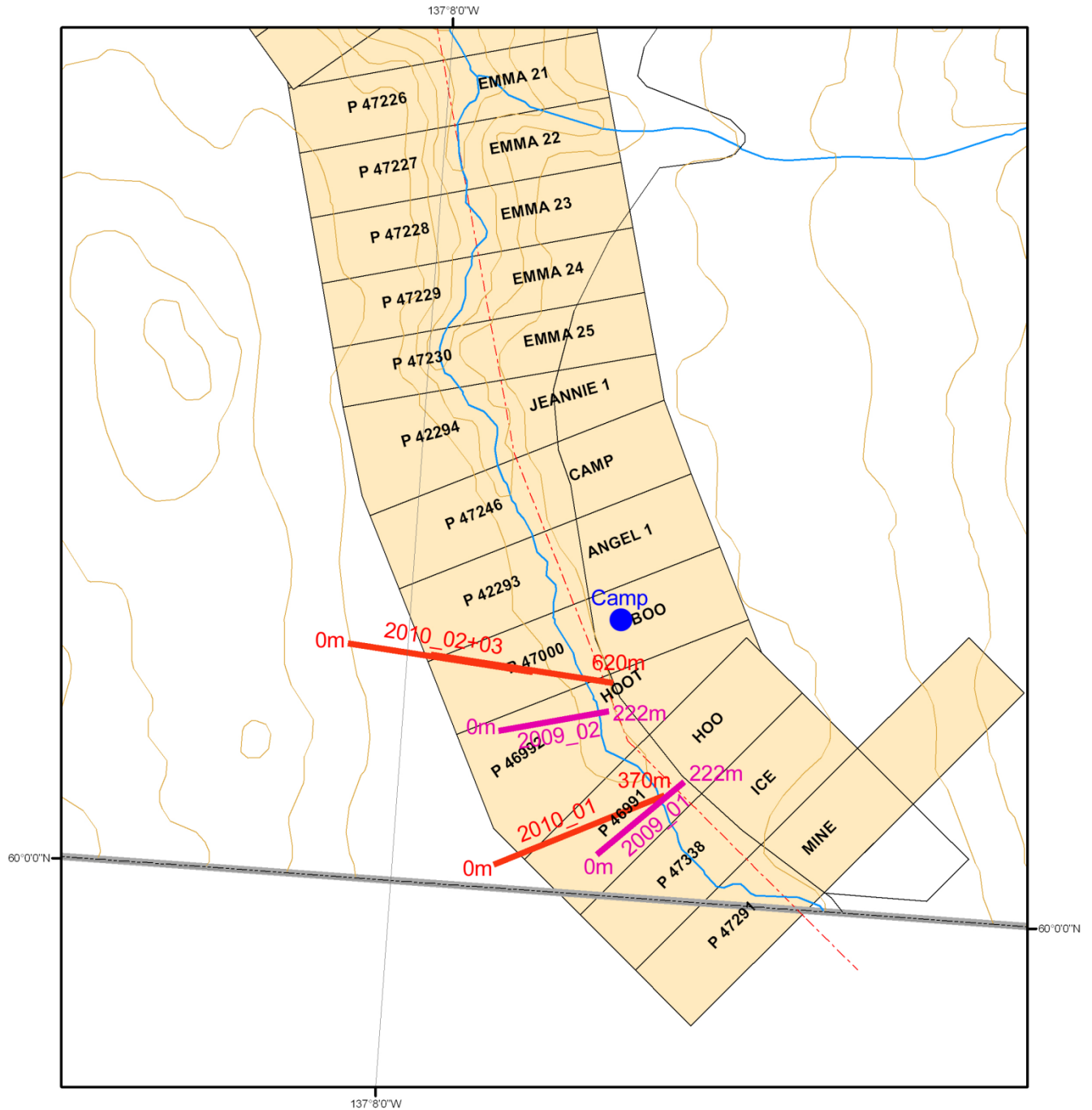
February 24th 2011

Preliminary notes:

Resistivity measurements are the foundation for the interpretation of the subsurface conditions at this **placer** prospection. It usually allows for good interpretation of bedrock and overburden. In the resistivity profiles the interpreted bedrock interfaces are marked with a black line.

The profiles show ground-layers approximately 15% thicker than they are in reality. The thickening of the model layers is caused by the inversion software. The correction factor for the determination of the true layer thickness of 0.85 was determined by us on the basis of numerous resistivity profiles verified by drilling, trenching and mining. – The in the interpretations mentioned layer thicknesses and depths have already been recalculated to the expected real values.

Map 115A03



Legend

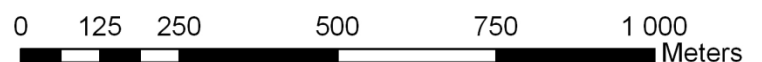
- | | |
|--|---|
| ● camp | placer claims |
| Survey 2009 | STATUS |
| — measuring line | Active |
| Survey 2010 | Expired |
| — measuring line | prospecting lease |
| — contour line | |
| — road | |
| — water course | |
| - - - placer baseline | |
| - - - Yukon border | |

Survey Map

115A03 (Silver Creek)

Universal Transverse Mercator Zone 7
North American Datum 1983

Scale 1:10 000

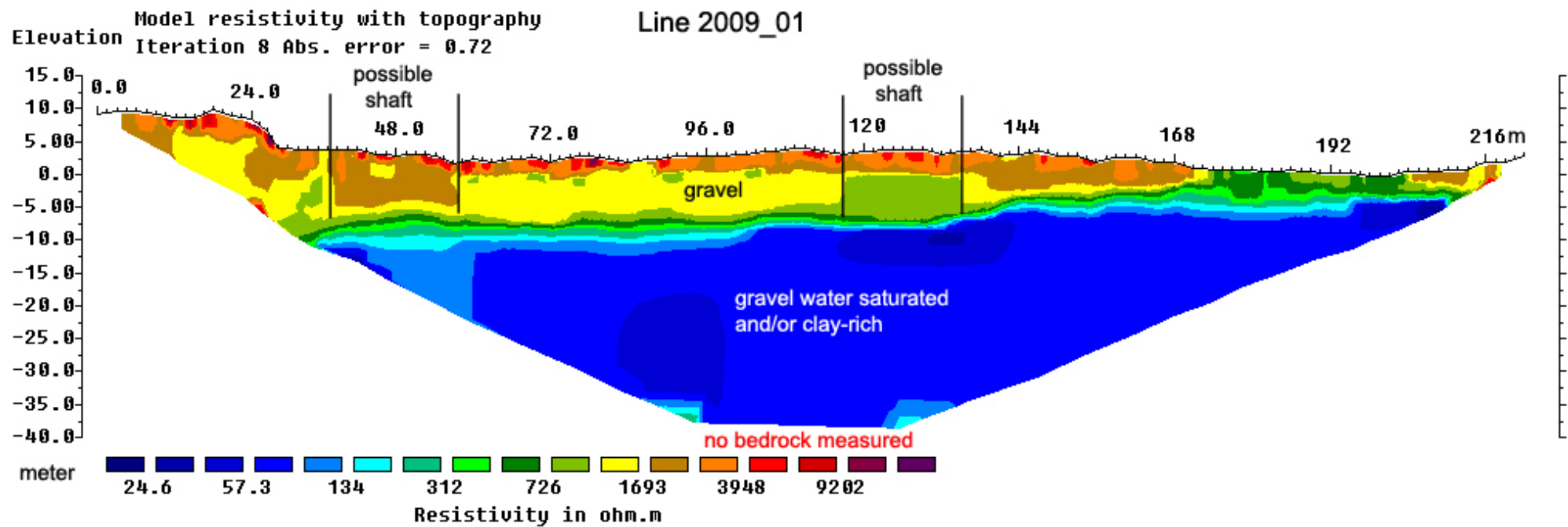


Profile 2009_01

Line: Crossvalley, View: Downstream, Electrodes: 75, spacing 3m, Array: Schlumberger

Location: 0m (N60° 00' 02.7"; W137° 07' 34.5"), 222m (N60° 00' 07.6"; W137° 07' 24.3")

Date: Sept. 19th 2009



Interpretation

In Profile 2009_01, the green/yellow/brown **overburden** might be gravel. This gravel seems to contain little fine material such as sand and silt. That is why this kind of gravel holds little water which causes higher resistivity. This kind of gravel has been observed on the surface.

The topmost portions of the gravel (orange/red) could be disturbed by historical mining activity.

The blue zone, about 10m deep at 30-130m in the profile, we interpret as gravel which is saturated with groundwater and/or gravel which is clay rich.

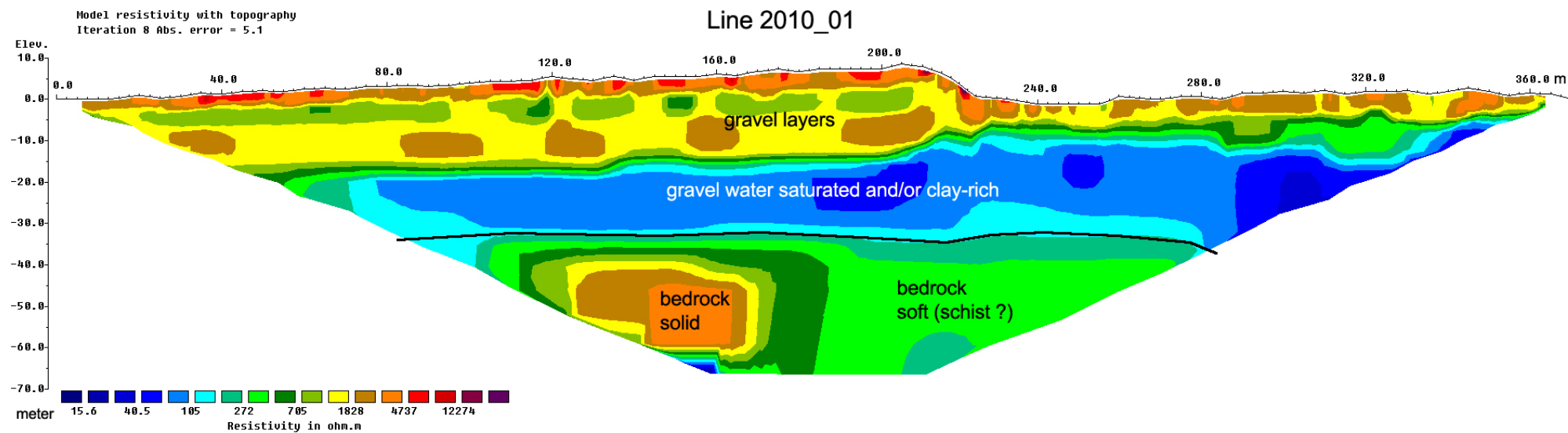
From 40 to 60m and from 117 to 135m in the profile there are disturbances in the upper gravel. These disturbances could represent shafts dug during former mining activity. The disturbance from 40 to 60m in the profile has higher resistivity values than the surrounding gravel which indicates washed gravel. The second disturbance at 117 to 135m has a higher conductivity which indicates gravels higher saturated with water.

Profile 2010_01

Line: Crossvalley, View: Downstream, Electrodes: 75, spacing 5m, Array: Schlumberger

Location: 0m (N60° 00' 01.6"; W137° 07' 47.3"), 370m (N60° 00' 06.7"; W137° 07' 26.6")

Date: Sept 14th 2010



Interpretation

Profile 2010_01 shows a distinctly layered structure.

The **bedrock** appears to be mostly level in a depth of 26-31m. The bedrock presents a horizontally alternating pattern of highly varying resistivity from 400 Ohm meter (lime green) to 4000 Ohm meter (orange). These data indicate some changes in the bedrock.

The lime green bedrock zone might be a soft bedrock type, likely a schist since schist has been seen at a bedrock outcrop 200m downstream. The brown/orange bedrock zone seems to be a solid bedrock type as seen on the surface about 100m downstream.

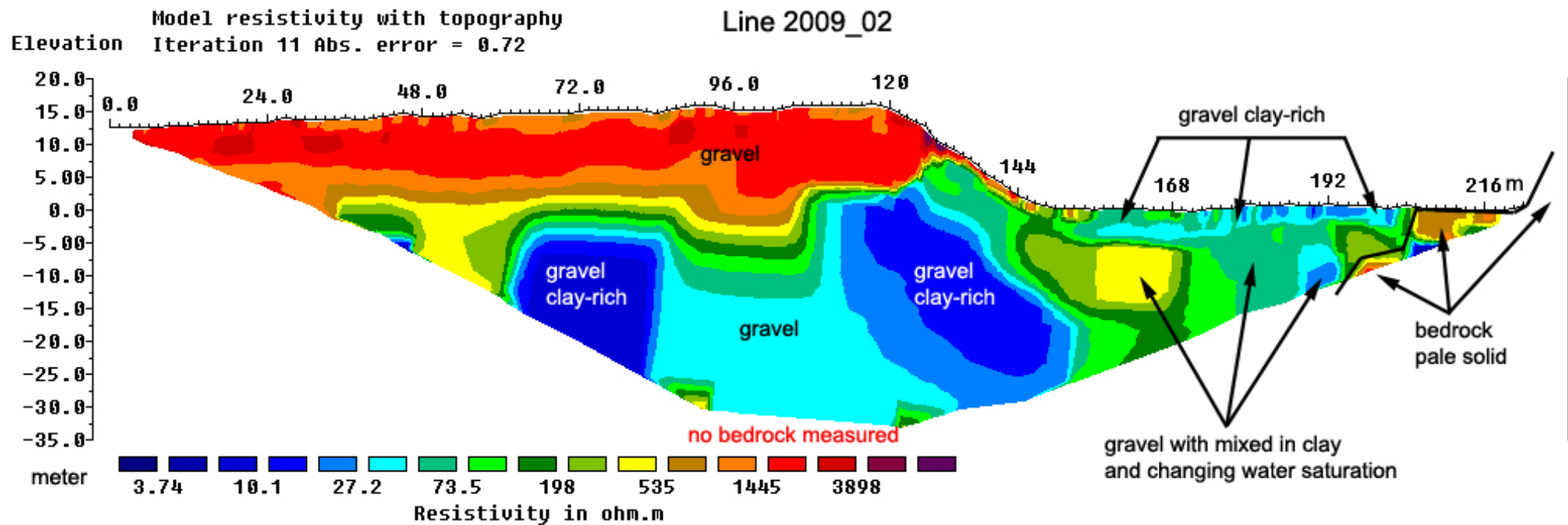
The **overburden** appears to be divided into two distinct layers:

First, we see a very well conducting layer (blue) directly on top of bedrock. Its thickness is 13-21m. This layer we interpret as a gravel layer saturated with groundwater or gravel which is clay rich.

Second, there is less well conducting layer (yellow/brow/green/red-orange) above the groundwater table. Its thickness is 5-18m. At 0-210m in the line, this gravel layer is divided into three sublayers losing conductivity in an upwards direction. These gravel layers seem to lose moisture in an upstream direction. The driest material is located on the surface.

Profile 2009_02

Line: Crossvalley, View: Downstream, Electrodes: 75, spacing 3m, Array: Schlumberger
Location: 0m (N60° 00' 10.0"; W137° 07' 47.9"), 222m (N60° 00' 11.7"; W137° 07' 34.3")
Date: Sept. 20th 2009



Interpretation

The blue, well conducting material in the depth is likely some clay-rich, water saturated **gravel**. At 72m in the line it starts at 14m depth.

The red, low conducting layer on top might also be gravel with little moisture. This gravel might contain little fine material such as sand and silt.

At 96m there is a depression in the interpreted clay-rich gravel. This depression could be a created by a paleostream which did cut into gravel, not into bedrock.

At 140-205m the overburden seems to be a mixture of gravel, sand, silt, and clay with changing water saturation.

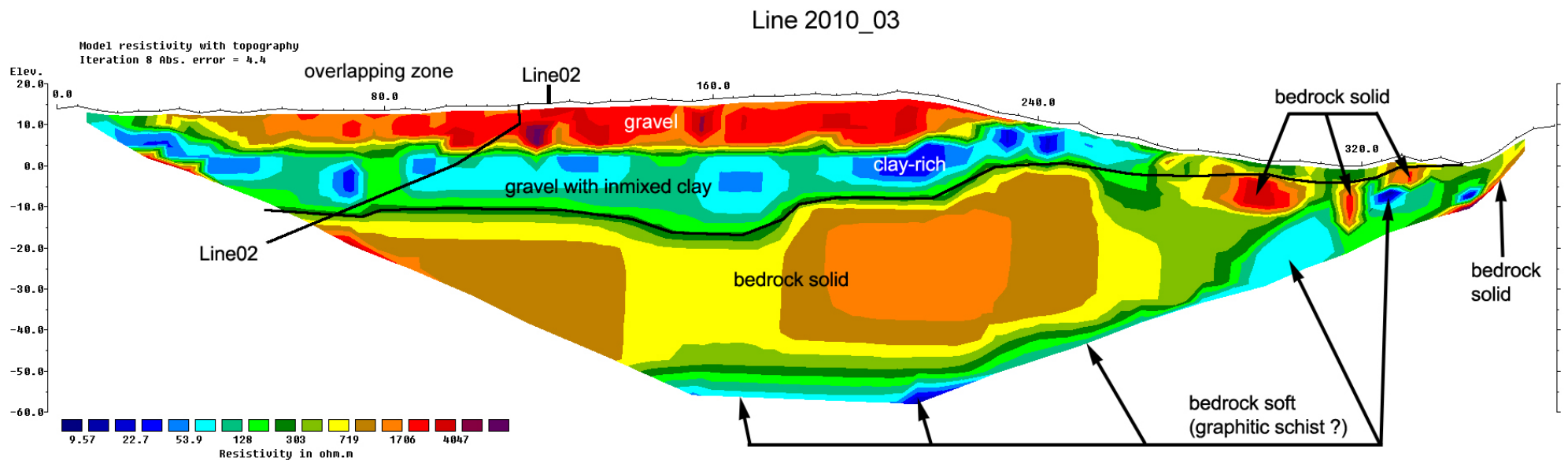
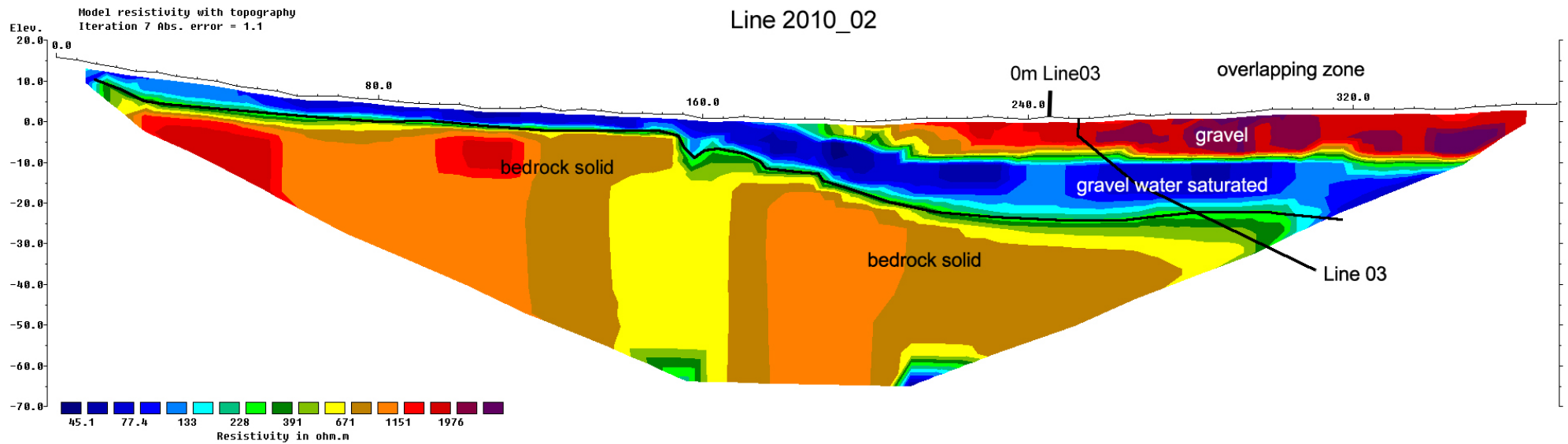
After 205m some pale solid **bedrock** appears on the surface. Aside from this bedrock no other bedrock seems to have been measured in this profile.

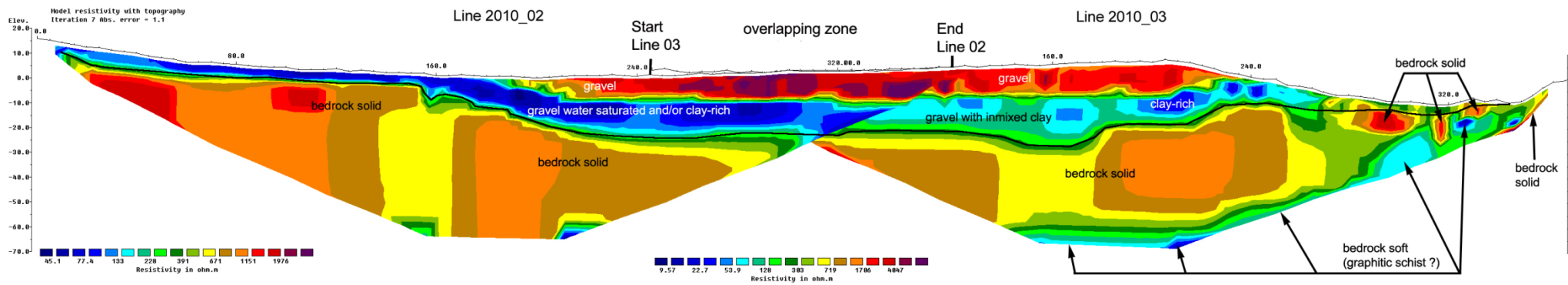
Profiles 2010_02+03

Line: Crossvalley_View: Downstream_Electrodes: 75, spacing 5m each, Array: Schlumberger

Location Profile02: 0m (N60° 00' 14.8"; W137° 08' 07.6"), 370m (N60° 00' 13.8"; W137° 07' 44.2"); Date: Sept. 15th 2010

Location Profile03: 0m (N60° 00' 14.5"; W137° 07' 57.0"), 370m (N60° 00' 13.5"; W137° 07' 34.0"); Date: Sept. 16th 2010





Interpretation

The resistivity Profiles 2010_02 and 2010_03 are overlapping each other for 120m.

From 0-150m in Profile02 the **bedrock** (solid type) is with a depth of only 3-5m very shallow.

After 150m in Profile02, the bedrock drops.

At 240m in Profile02, the bedrock measures 20m depth.

From there up to 210m in profile 03, the bedrock stays constantly at 20-22m depth –aside from a 30m-wide **paleochannel** located at 160m in Profile03.

After 210m in Profile 03, the bedrock gets more and more shallow forming a hump.

After 240m in Profile 03, the ground seems to show a mosaic representing different kinds of bedrock: some well conducting bedrock likely schist, and some low conducting solid bedrock.

On top of the bedrock a blue well conducting layer was measured. It ends at 250m in profile 03. This layer we interpret as water saturated **gravel** which might show increasing amounts of clay to the right side.

On top of the blue gravel layer a red low conducting gravel layer is interpreted (from 200m in Profile02 to 240m in Profile03). This gravel might contain little fine material.

Both gravel layers continue with an almost uniform thickness of 7-10m (red layer) and 10-12m (blue layer) throughout the profiles until they reach the current streambed at 240m in Profile03. There, they seem to have been eroded away.

GPS Data

Profile 2009_01

m	Depth to bedrock	Lat. Long.
0	-	N60 00 02.7 W137 07 34.5
3	-	N60 00 02.8 W137 07 34.3
6	-	N60 00 02.8 W137 07 34.1
9	-	N60 00 02.9 W137 07 33.9
12	-	N60 00 03.0 W137 07 33.8
15	-	N60 00 03.1 W137 07 33.6
18	-	N60 00 03.2 W137 07 33.6
21	-	N60 00 03.2 W137 07 33.5
24	-	N60 00 03.3 W137 07 33.4
27	-	N60 00 03.4 W137 07 33.3
30	-	N60 00 03.4 W137 07 33.1
33	-	N60 00 03.5 W137 07 33.0
36	-	N60 00 03.5 W137 07 32.8
39	-	N60 00 03.6 W137 07 32.7
42	-	N60 00 03.6 W137 07 32.6
45	-	N60 00 03.7 W137 07 32.5
48	-	N60 00 03.8 W137 07 32.4
51	-	N60 00 03.8 W137 07 32.2
54	-	N60 00 03.9 W137 07 32.1
57	-	N60 00 04.0 W137 07 31.9
60	-	N60 00 04.1 W137 07 31.8
63	-	N60 00 04.2 W137 07 31.6
66	-	N60 00 04.3 W137 07 31.4
69	-	N60 00 04.3 W137 07 31.3
72	-	N60 00 04.4 W137 07 31.1
75	-	N60 00 04.4 W137 07 31.0
78	-	N60 00 04.5 W137 07 30.8
81	-	N60 00 04.6 W137 07 30.7
84	-	N60 00 04.6 W137 07 30.6
87	-	
90	-	N60 00 04.8 W137 07 30.3
93	-	N60 00 04.9 W137 07 30.2

m	Depth to bedrock	Lat. Long.
96	-	N60 00 04.9 W137 07 30.1
99	-	N60 00 05.0 W137 07 29.9
102	-	N60 00 05.1 W137 07 29.8
105	-	N60 00 05.2 W137 07 29.7
108	-	N60 00 05.2 W137 07 29.6
111	-	N60 00 05.3 W137 07 29.5
114	-	N60 00 05.4 W137 07 29.4
117	-	N60 00 05.5 W137 07 29.3
120	-	N60 00 05.5 W137 07 29.2
123	-	N60 00 05.6 W137 07 29.1
126	-	N60 00 05.7 W137 07 28.9
129	-	N60 00 05.7 W137 07 28.8
132	-	N60 00 05.8 W137 07 28.7
135	-	N60 00 05.8 W137 07 28.5
138	-	N60 00 05.9 W137 07 28.4
141	-	N60 00 05.9 W137 07 28.2
144	-	N60 00 06.0 W137 07 28.0
147	-	N60 00 06.0 W137 07 27.8
150	-	N60 00 06.1 W137 07 27.6
153	-	N60 00 06.2 W137 07 27.5
156	-	N60 00 06.3 W137 07 27.3
159	-	N60 00 06.3 W137 07 27.2
162	-	N60 00 06.4 W137 07 27.0
165	-	N60 00 06.5 W137 07 26.9
168	-	N60 00 06.5 W137 07 26.7
171	-	N60 00 06.6 W137 07 26.6
174	-	N60 00 06.7 W137 07 26.5
177	-	N60 00 06.7 W137 07 26.3
180	-	N60 00 06.8 W137 07 26.1
183	-	N60 00 06.8 W137 07 26.0
186	-	N60 00 06.9 W137 07 25.9
189	-	N60 00 06.9 W137 07 25.7

m	Depth to bedrock	Lat. Long.
192	-	N60 00 07.0 W137 07 25.6
195	-	N60 00 07.1 W137 07 25.4
198	-	N60 00 07.1 W137 07 25.3
201	-	N60 00 07.2 W137 07 25.2
204	-	N60 00 07.3 W137 07 25.0
207	-	N60 00 07.3 W137 07 24.9
210	-	N60 00 07.4 W137 07 24.7
213	-	N60 00 07.5 W137 07 24.6
216	-	N60 00 07.5 W137 07 24.5
219	-	N60 00 07.5 W137 07 24.4
222	-	N60 00 07.6 W137 07 24.3

GPS Data
Profile 2010_01

m	Depth [m]	Lat Long (hddd° mm' ss.s'')	Lat Long (hddd° mm.mmm')
0	-	N60 00 01.6 W137 07 47.3	N60 00.026 W137 07.789
5	-	N60 00 01.7 W137 07 47.0	N60 00.028 W137 07.783
10	-	N60 00 01.8 W137 07 46.7	N60 00.029 W137 07.778
15	-	N60 00 01.8 W137 07 46.4	N60 00.030 W137 07.773
20	-	N60 00 01.9 W137 07 46.1	N60 00.032 W137 07.769
25	-	N60 00 02.0 W137 07 45.8	N60 00.034 W137 07.763
30	-	N60 00 02.1 W137 07 45.5	N60 00.035 W137 07.759
35	-	N60 00 02.1 W137 07 45.2	N60 00.036 W137 07.753
40	-	N60 00 02.2 W137 07 44.9	N60 00.037 W137 07.748
45	-	N60 00 02.3 W137 07 44.5	N60 00.038 W137 07.742
50	-	N60 00 02.3 W137 07 44.2	N60 00.039 W137 07.737
55	-	N60 00 02.4 W137 07 43.9	N60 00.041 W137 07.732
60	-	N60 00 02.5 W137 07 43.7	N60 00.042 W137 07.728
65	-	N60 00 02.6 W137 07 43.5	N60 00.043 W137 07.724
70	-	N60 00 02.7 W137 07 43.2	N60 00.045 W137 07.720
75	-	N60 00 02.8 W137 07 42.9	N60 00.046 W137 07.715
80	30	N60 00 02.9 W137 07 42.6	N60 00.048 W137 07.710
85	30	N60 00 02.9 W137 07 42.3	N60 00.049 W137 07.705
90	30	N60 00 03.0 W137 07 42.1	N60 00.050 W137 07.701
95	30	N60 00 03.0 W137 07 41.8	N60 00.051 W137 07.696
100	30	N60 00 03.1 W137 07 41.5	N60 00.052 W137 07.691
105	30.5	N60 00 03.2 W137 07 41.3	N60 00.053 W137 07.688
110	31	N60 00 03.2 W137 07 41.1	N60 00.054 W137 07.685
115	31	N60 00 03.3 W137 07 40.8	N60 00.055 W137 07.681
120	31	N60 00 03.4 W137 07 40.6	N60 00.056 W137 07.677
125	31	N60 00 03.4 W137 07 40.2	N60 00.057 W137 07.670
130	31	N60 00 03.5 W137 07 39.9	N60 00.058 W137 07.665
135	31	N60 00 03.5 W137 07 39.6	N60 00.059 W137 07.661
140	31	N60 00 03.6 W137 07 39.4	N60 00.060 W137 07.656
145	31	N60 00 03.7 W137 07 39.1	N60 00.061 W137 07.651

m	Depth [m]	Lat Long (hddd° mm' ss.s'')	Lat Long (hddd° mm.mmm')
150	32	N60 00 03.8 W137 07 38.8	N60 00.063 W137 07.646
155	32	N60 00 03.8 W137 07 38.4	N60 00.064 W137 07.641
160	32	N60 00 03.9 W137 07 38.2	N60 00.065 W137 07.637
165	32	N60 00 04.0 W137 07 38.0	N60 00.066 W137 07.633
170	32	N60 00 03.9 W137 07 37.8	N60 00.066 W137 07.629
175	32	N60 00 04.0 W137 07 37.4	N60 00.067 W137 07.624
180	33	N60 00 04.1 W137 07 37.2	N60 00.068 W137 07.619
185	33	N60 00 04.2 W137 07 36.8	N60 00.070 W137 07.613
190	33	N60 00 04.3 W137 07 36.5	N60 00.071 W137 07.608
195	34	N60 00 04.3 W137 07 36.3	N60 00.072 W137 07.604
200	34	N60 00 04.4 W137 07 36.0	N60 00.073 W137 07.600
205	35	N60 00 04.4 W137 07 35.7	N60 00.074 W137 07.596
210	34.5	N60 00 04.5 W137 07 35.5	N60 00.076 W137 07.592
215	33.5	N60 00 04.6 W137 07 35.2	N60 00.076 W137 07.587
220	31	N60 00 04.7 W137 07 35.0	N60 00.078 W137 07.584
225	28	N60 00 04.7 W137 07 34.8	N60 00.079 W137 07.580
230	27	N60 00 04.9 W137 07 34.6	N60 00.081 W137 07.576
235	27	N60 00 04.9 W137 07 34.4	N60 00.082 W137 07.573
240	26	N60 00 05.0 W137 07 34.1	N60 00.083 W137 07.569
245	26	N60 00 05.1 W137 07 33.9	N60 00.084 W137 07.565
250	26	N60 00 05.2 W137 07 33.4	N60 00.087 W137 07.557
255	27	N60 00 05.3 W137 07 33.1	N60 00.088 W137 07.552
260	28	N60 00 05.4 W137 07 32.9	N60 00.089 W137 07.549
265	28	N60 00 05.4 W137 07 32.6	N60 00.090 W137 07.543
270	29	N60 00 05.5 W137 07 32.3	N60 00.091 W137 07.539
275	29	N60 00 05.6 W137 07 32.0	N60 00.093 W137 07.534
280	30	N60 00 05.6 W137 07 31.7	N60 00.093 W137 07.528
285	-	N60 00 05.7 W137 07 31.4	N60 00.095 W137 07.523
290	-	N60 00 05.7 W137 07 31.1	N60 00.095 W137 07.518
295	-	N60 00 05.8 W137 07 30.8	N60 00.097 W137 07.513

m	Depth [m]	Lat Long (hddd° mm' ss.s'')	Lat Long (hddd° mm.mmm')
300	-	N60 00 05.9 W137 07 30.5	N60 00.098 W137 07.509
305	-	N60 00 05.9 W137 07 30.3	N60 00.099 W137 07.505
310	-	N60 00 06.0 W137 07 30.0	N60 00.100 W137 07.500
315	-	N60 00 06.1 W137 07 29.7	N60 00.101 W137 07.495
320	-	N60 00 06.1 W137 07 29.3	N60 00.102 W137 07.489
325	-	N60 00 06.2 W137 07 29.1	N60 00.103 W137 07.484
330	-	N60 00 06.2 W137 07 28.8	N60 00.104 W137 07.480
335	-	N60 00 06.3 W137 07 28.5	N60 00.105 W137 07.474
340	-	N60 00 06.3 W137 07 28.2	N60 00.106 W137 07.470
345	-	N60 00 06.4 W137 07 28.0	N60 00.107 W137 07.466
350	-	N60 00 06.5 W137 07 27.7	N60 00.108 W137 07.462
355	-	N60 00 06.5 W137 07 27.4	N60 00.109 W137 07.457
360	-	N60 00 06.6 W137 07 27.1	N60 00.111 W137 07.452
365	-	N60 00 06.7 W137 07 26.8	N60 00.111 W137 07.447
370	-	N60 00 06.7 W137 07 26.6	N60 00.112 W137 07.443

GPS Data

Profile 2009_02

m	Depth to bedrock	Lat. Long.
0	-	N60 00 10.0 W137 07 47.9
3	-	N60 00 10.0 W137 07 47.7
6	-	N60 00 10.0 W137 07 47.5
9	-	N60 00 10.0 W137 07 47.3
12	-	N60 00 10.1 W137 07 47.1
15	-	N60 00 10.1 W137 07 46.9
18	-	N60 00 10.1 W137 07 46.7
21	-	N60 00 10.2 W137 07 46.5
24	-	N60 00 10.2 W137 07 46.3
27	-	N60 00 10.2 W137 07 46.0
30	-	N60 00 10.2 W137 07 45.8
33	-	N60 00 10.2 W137 07 45.6
36	-	N60 00 10.3 W137 07 45.4
39	-	N60 00 10.3 W137 07 45.3
42	-	N60 00 10.3 W137 07 45.1
45	-	N60 00 10.4 W137 07 44.9
48	-	N60 00 10.4 W137 07 44.8
51	-	N60 00 10.4 W137 07 44.6
54	-	N60 00 10.5 W137 07 44.4
57	-	N60 00 10.5 W137 07 44.2
60	-	N60 00 10.6 W137 07 44.1
63	-	N60 00 10.6 W137 07 43.9
66	-	N60 00 10.6 W137 07 43.7
69	-	N60 00 10.6 W137 07 43.5
72	-	N60 00 10.6 W137 07 43.4
75	-	N60 00 10.6 W137 07 43.2
78	-	N60 00 10.7 W137 07 43.0
81	-	N60 00 10.7 W137 07 42.8
84	-	N60 00 10.7 W137 07 42.6
87	-	N60 00 10.7 W137 07 42.4
90	-	N60 00 10.7 W137 07 42.2
93	-	N60 00 10.8 W137 07 42.1
96	-	N60 00 10.7 W137 07 41.9

m	Depth to bedrock	Lat. Long.
99	-	N60 00 10.7 W137 07 41.7
102	-	N60 00 10.7 W137 07 41.5
105	-	N60 00 10.8 W137 07 41.3
108	-	N60 00 10.8 W137 07 41.1
111	-	N60 00 10.9 W137 07 40.9
114	-	N60 00 10.9 W137 07 40.8
117	-	N60 00 10.9 W137 07 40.6
120	-	N60 00 10.9 W137 07 40.4
123	-	N60 00 11.0 W137 07 40.2
126	-	N60 00 11.0 W137 07 39.9
129	-	N60 00 10.9 W137 07 39.7
132	-	N60 00 10.9 W137 07 39.6
135	-	N60 00 10.9 W137 07 39.5
138	-	N60 00 11.1 W137 07 39.4
141	-	N60 00 11.2 W137 07 39.1
144	-	N60 00 11.2 W137 07 39.0
147	-	N60 00 11.1 W137 07 38.8
150	-	N60 00 11.2 W137 07 38.6
153	-	N60 00 11.1 W137 07 38.3
156	-	N60 00 11.1 W137 07 38.2
159	-	N60 00 11.1 W137 07 38.1
162	-	N60 00 11.1 W137 07 37.9
165	-	N60 00 11.1 W137 07 37.8
168	-	N60 00 11.2 W137 07 37.6
171	-	N60 00 11.2 W137 07 37.4
174	-	N60 00 11.3 W137 07 37.2
177	-	N60 00 11.3 W137 07 37.0
180	-	N60 00 11.3 W137 07 36.8
183	-	N60 00 11.3 W137 07 36.7
186	-	N60 00 11.4 W137 07 36.5
189	-	N60 00 11.4 W137 07 36.3
192	10m	N60 00 11.4 W137 07 36.2
195	7.5m	N60 00 11.5 W137 07 36.0

m	Depth to bedrock	Lat. Long.
198	5m	N60 00 11.5 W137 07 35.8
201	4m	N60 00 11.5 W137 07 35.6
204	0.5m	N60 00 11.6 W137 07 35.5
207	0.5m	N60 00 11.6 W137 07 35.3
210	0.5m	N60 00 11.6 W137 07 35.1
213	0.5m	N60 00 11.6 W137 07 34.9
216	0.5m	N60 00 11.7 W137 07 34.7
219	-	N60 00 11.7 W137 07 34.5
222	-	N60 00 11.7 W137 07 34.3

GPS Data
Profile 2010_02

m	Depth [m]	Lat Long (hddd° mm' ss.s'')	Lat Long (hddd° mm.mmm')
0	-	N60 00 14.8 W137 08 07.6	N60 00.247 W137 08.126
5	-	N60 00 14.8 W137 08 07.2	N60 00.247 W137 08.121
10	3	N60 00 14.8 W137 08 06.9	N60 00.247 W137 08.115
15	4	N60 00 14.8 W137 08 06.6	N60 00.246 W137 08.110
20	6	N60 00 14.8 W137 08 06.3	N60 00.246 W137 08.105
25	6	N60 00 14.8 W137 08 06.0	N60 00.246 W137 08.100
30	6	N60 00 14.8 W137 08 05.7	N60 00.246 W137 08.094
35	6	N60 00 14.8 W137 08 05.4	N60 00.246 W137 08.090
40	6	N60 00 14.8 W137 08 05.1	N60 00.246 W137 08.085
45	6	N60 00 14.8 W137 08 04.7	N60 00.246 W137 08.079
50	6	N60 00 14.8 W137 08 04.4	N60 00.247 W137 08.073
55	5	N60 00 14.8 W137 08 04.1	N60 00.246 W137 08.068
60	4	N60 00 14.8 W137 08 03.8	N60 00.246 W137 08.063
65	4	N60 00 14.8 W137 08 03.5	N60 00.246 W137 08.058
70	5	N60 00 14.8 W137 08 03.2	N60 00.246 W137 08.053
75	5	N60 00 14.7 W137 08 02.9	N60 00.246 W137 08.048
80	5	N60 00 14.7 W137 08 02.6	N60 00.245 W137 08.043
85	5	N60 00 14.7 W137 08 02.3	N60 00.245 W137 08.038
90	5	N60 00 14.7 W137 08 02.0	N60 00.245 W137 08.033
95	5	N60 00 14.7 W137 08 01.6	N60 00.245 W137 08.027
100	5	N60 00 14.7 W137 08 01.3	N60 00.244 W137 08.022
105	5	N60 00 14.7 W137 08 01.0	N60 00.244 W137 08.017
110	5	N60 00 14.6 W137 08 00.7	N60 00.244 W137 08.011
115	5	N60 00 14.6 W137 08 00.3	N60 00.244 W137 08.005
120	5	N60 00 14.6 W137 08 00.0	N60 00.244 W137 08.001
125	5	N60 00 14.6 W137 07 59.7	N60 00.244 W137 07.995
130	5	N60 00 14.6 W137 07 59.4	N60 00.243 W137 07.989
135	5	N60 00 14.6 W137 07 59.0	N60 00.243 W137 07.984
140	4	N60 00 14.6 W137 07 58.7	N60 00.243 W137 07.978
145	4	N60 00 14.5 W137 07 58.4	N60 00.242 W137 07.973
150	4	N60 00 14.5 W137 07 58.1	N60 00.242 W137 07.968
155	7	N60 00 14.5 W137 07 57.7	N60 00.241 W137 07.962

m	Depth [m]	Lat Long (hddd° mm' ss.s'')	Lat Long (hddd° mm.mmm')
160	7	N60 00 14.5 W137 07 57.4	N60 00.241 W137 07.956
165	6	N60 00 14.5 W137 07 57.1	N60 00.241 W137 07.952
170	7	N60 00 14.4 W137 07 56.8	N60 00.241 W137 07.947
175	10	N60 00 14.4 W137 07 56.6	N60 00.240 W137 07.943
180	10.5	N60 00 14.4 W137 07 56.3	N60 00.240 W137 07.938
185	12	N60 00 14.4 W137 07 56.0	N60 00.240 W137 07.933
190	13	N60 00 14.4 W137 07 55.6	N60 00.240 W137 07.927
195	13.5	N60 00 14.4 W137 07 55.4	N60 00.240 W137 07.923
200	14	N60 00 14.3 W137 07 55.0	N60 00.239 W137 07.917
205	16	N60 00 14.3 W137 07 54.7	N60 00.239 W137 07.912
210	17.5	N60 00 14.3 W137 07 54.4	N60 00.239 W137 07.907
215	18	N60 00 14.3 W137 07 54.1	N60 00.238 W137 07.901
220	19	N60 00 14.3 W137 07 53.7	N60 00.238 W137 07.896
225	19	N60 00 14.3 W137 07 53.4	N60 00.238 W137 07.890
230	19	N60 00 14.3 W137 07 53.1	N60 00.238 W137 07.885
235	19	N60 00 14.2 W137 07 52.8	N60 00.237 W137 07.879
240	20	N60 00 14.2 W137 07 52.4	N60 00.237 W137 07.874
245	20	N60 00 14.2 W137 07 52.1	N60 00.237 W137 07.868
250	20	N60 00 14.2 W137 07 51.8	N60 00.237 W137 07.863
255	20	N60 00 14.2 W137 07 51.5	N60 00.236 W137 07.858
260	20.5	N60 00 14.2 W137 07 51.2	N60 00.236 W137 07.853
265	20.5	N60 00 14.2 W137 07 50.8	N60 00.236 W137 07.847
270	20.5	N60 00 14.2 W137 07 50.4	N60 00.236 W137 07.841
275	20	N60 00 14.1 W137 07 50.1	N60 00.236 W137 07.836
280	20	N60 00 14.1 W137 07 49.9	N60 00.235 W137 07.831
285	20	N60 00 14.1 W137 07 49.6	N60 00.234 W137 07.826
290	20	N60 00 14.0 W137 07 49.2	N60 00.234 W137 07.821
295	21	N60 00 14.0 W137 07 48.9	N60 00.234 W137 07.815
300	21	N60 00 14.0 W137 07 48.6	N60 00.234 W137 07.810
305	21	N60 00 14.0 W137 07 48.3	N60 00.233 W137 07.805
310	22	N60 00 14.0 W137 07 48.0	N60 00.233 W137 07.800
315	22	N60 00 14.0 W137 07 47.6	N60 00.233 W137 07.794

m	Depth [m]	Lat Long (hddd° mm' ss.s'')	Lat Long (hddd° mm.mmm')
320	-	N60 00 13.9 W137 07 47.4	N60 00.232 W137 07.790
325	-	N60 00 13.9 W137 07 47.1	N60 00.232 W137 07.785
330	-	N60 00 13.9 W137 07 46.7	N60 00.232 W137 07.779
335	-	N60 00 13.9 W137 07 46.4	N60 00.232 W137 07.774
340	-	N60 00 13.9 W137 07 46.1	N60 00.232 W137 07.769
345	-	N60 00 13.9 W137 07 45.8	N60 00.231 W137 07.763
350	-	N60 00 13.9 W137 07 45.4	N60 00.231 W137 07.757
355	-	N60 00 13.9 W137 07 45.1	N60 00.231 W137 07.751
360	-	N60 00 13.9 W137 07 44.7	N60 00.231 W137 07.746
365	-	N60 00 13.9 W137 07 44.5	N60 00.231 W137 07.741
370	-	N60 00 13.8 W137 07 44.2	N60 00.231 W137 07.736

GPS Data
Profile 2010_03

m	Depth [m]	Lat Long (hddd° mm' ss.s'')	Lat Long (hddd° mm.mmm')
0	-	N60 00 14.5 W137 07 57.0	N60 00.241 W137 07.951
5	-	N60 00 14.4 W137 07 56.7	N60 00.241 W137 07.945
10	-	N60 00 14.4 W137 07 56.4	N60 00.241 W137 07.940
15	-	N60 00 14.4 W137 07 56.1	N60 00.241 W137 07.935
20	-	N60 00 14.4 W137 07 55.8	N60 00.240 W137 07.930
25	-	N60 00 14.4 W137 07 55.5	N60 00.240 W137 07.924
30	-	N60 00 14.4 W137 07 55.1	N60 00.240 W137 07.919
35	-	N60 00 14.4 W137 07 54.8	N60 00.240 W137 07.913
40	-	N60 00 14.4 W137 07 54.5	N60 00.239 W137 07.908
45	-	N60 00 14.3 W137 07 54.2	N60 00.239 W137 07.903
50	-	N60 00 14.3 W137 07 53.8	N60 00.239 W137 07.897
55	20	N60 00 14.3 W137 07 53.5	N60 00.238 W137 07.892
60	20	N60 00 14.3 W137 07 53.2	N60 00.238 W137 07.887
65	21	N60 00 14.3 W137 07 52.9	N60 00.238 W137 07.882
70	21	N60 00 14.2 W137 07 52.6	N60 00.237 W137 07.877
75	21	N60 00 14.2 W137 07 52.2	N60 00.237 W137 07.871
80	20	N60 00 14.2 W137 07 51.9	N60 00.237 W137 07.866
85	20	N60 00 14.2 W137 07 51.6	N60 00.237 W137 07.861
90	19.5	N60 00 14.2 W137 07 51.3	N60 00.236 W137 07.855
95	20.5	N60 00 14.2 W137 07 51.0	N60 00.236 W137 07.850
100	20.5	N60 00 14.2 W137 07 50.6	N60 00.236 W137 07.844
105	21	N60 00 14.1 W137 07 50.3	N60 00.236 W137 07.839
110	20.5	N60 00 14.1 W137 07 50.0	N60 00.235 W137 07.833
115	21	N60 00 14.1 W137 07 49.8	N60 00.235 W137 07.829
120	21	N60 00 14.1 W137 07 49.4	N60 00.235 W137 07.823
125	22	N60 00 14.1 W137 07 49.1	N60 00.234 W137 07.818
130	22	N60 00 14.1 W137 07 48.8	N60 00.234 W137 07.813
135	23	N60 00 14.1 W137 07 48.4	N60 00.234 W137 07.807
140	24	N60 00 14.0 W137 07 48.2	N60 00.234 W137 07.803
145	25	N60 00 14.0 W137 07 47.8	N60 00.234 W137 07.797
150	26	N60 00 14.0 W137 07 47.5	N60 00.234 W137 07.792
155	26.5	N60 00 14.0 W137 07 47.2	N60 00.233 W137 07.787

m	Depth [m]	Lat Long (hddd° mm' ss.s'')	Lat Long (hddd° mm.mmm')
160	27	N60 00 14.0 W137 07 46.9	N60 00.233 W137 07.781
165	27	N60 00 14.0 W137 07 46.6	N60 00.233 W137 07.776
170	26	N60 00 14.0 W137 07 46.3	N60 00.233 W137 07.771
175	25	N60 00 14.0 W137 07 46.0	N60 00.233 W137 07.766
180	22	N60 00 13.9 W137 07 45.6	N60 00.232 W137 07.761
185	21	N60 00 13.9 W137 07 45.3	N60 00.232 W137 07.755
190	20	N60 00 13.9 W137 07 45.0	N60 00.232 W137 07.750
195	20.5	N60 00 13.9 W137 07 44.7	N60 00.232 W137 07.746
200	20.5	N60 00 13.9 W137 07 44.4	N60 00.232 W137 07.741
205	21.5	N60 00 13.9 W137 07 44.1	N60 00.231 W137 07.735
210	20	N60 00 13.9 W137 07 43.8	N60 00.231 W137 07.730
215	19	N60 00 13.9 W137 07 43.5	N60 00.231 W137 07.724
220	16	N60 00 13.8 W137 07 43.2	N60 00.231 W137 07.719
225	14	N60 00 13.8 W137 07 42.8	N60 00.230 W137 07.714
230	10	N60 00 13.8 W137 07 42.5	N60 00.230 W137 07.709
235	10	N60 00 13.8 W137 07 42.2	N60 00.230 W137 07.703
240	9	N60 00 13.8 W137 07 41.9	N60 00.230 W137 07.698
245	8	N60 00 13.8 W137 07 41.5	N60 00.230 W137 07.692
250	8	N60 00 13.8 W137 07 41.2	N60 00.229 W137 07.687
255	7	N60 00 13.8 W137 07 40.8	N60 00.230 W137 07.681
260	7.5	N60 00 13.7 W137 07 40.6	N60 00.229 W137 07.676
265	7	N60 00 13.7 W137 07 40.3	N60 00.229 W137 07.671
270	6	N60 00 13.7 W137 07 39.9	N60 00.229 W137 07.665
275	5	N60 00 13.7 W137 07 39.6	N60 00.228 W137 07.660
280	5	N60 00 13.7 W137 07 39.3	N60 00.228 W137 07.655
285	4.5	N60 00 13.6 W137 07 39.0	N60 00.227 W137 07.650
290	4	N60 00 13.6 W137 07 38.7	N60 00.227 W137 07.645
295	3	N60 00 13.6 W137 07 38.4	N60 00.227 W137 07.640
300	4	N60 00 13.6 W137 07 38.1	N60 00.227 W137 07.635
305	4	N60 00 13.6 W137 07 37.8	N60 00.226 W137 07.629
310	4	N60 00 13.6 W137 07 37.5	N60 00.226 W137 07.624
315	3	N60 00 13.5 W137 07 37.2	N60 00.226 W137 07.620

m	Depth [m]	Lat Long (hddd° mm' ss.s'')	Lat Long (hddd° mm.mmm')
320	3	N60 00 13.6 W137 07 36.9	N60 00.226 W137 07.615
325	2	N60 00 13.6 W137 07 36.5	N60 00.226 W137 07.609
330	0.5	N60 00 13.6 W137 07 36.2	N60 00.226 W137 07.604
335	0.5	N60 00 13.6 W137 07 35.9	N60 00.226 W137 07.599
340	0.5	N60 00 13.6 W137 07 35.6	N60 00.226 W137 07.593
345	0.5	N60 00 13.6 W137 07 35.2	N60 00.227 W137 07.587
350	-	N60 00 13.6 W137 07 35.0	N60 00.226 W137 07.583
355	-	N60 00 13.5 W137 07 34.8	N60 00.226 W137 07.580
360	-	N60 00 13.5 W137 07 34.6	N60 00.225 W137 07.576
365	-	N60 00 13.6 W137 07 34.3	N60 00.226 W137 07.571
370	-	N60 00 13.5 W137 07 34.0	N60 00.225 W137 07.567

Claim Coordinates

Coordinates for the claims from the GIS shapefiles of the Yukon Mining Recorder. The coordinates represent the corners (clockwise) of the claims.

Grant Number with Lat. Long.

P 42293

60.0038913787949 -137.132606252042
60.0051243632542 -137.133790356928
60.0074961027051 -137.123940717233
60.0062630214763 -137.122756886268

P 42294

60.0063573966523 -137.134974580464
60.0066951838238 -137.135299024174
60.0082189150045 -137.136188428747
60.0095437811074 -137.125475243126
60.0087435139012 -137.125065218061

P 47338

60.0038204871385 -137.119537363571
60.0029260087596 -137.117469986566
59.9987845917568 -137.124613522394
59.9996789581002 -137.126680831215

P 46991

60.0005732728558 -137.128748217791
60.0047149132754 -137.12160483621
60.0044676809392 -137.121033425224
60.0038204871385 -137.119537363571
59.9996789581002 -137.126680831215

P 46992

60.0044676809392 -137.121033425224
60.0047149132754 -137.12160483621
60.0005732728558 -137.128748217791
60.0010702073251 -137.129897228405
60.0026583818185 -137.131422220959
60.0050298273312 -137.12157291716

P 47000

60.0026583818185 -137.131422220959
60.0038913787949 -137.132606252042
60.0062630214763 -137.122756886268
60.0050298273312 -137.12157291716

P 47226

60.0137454775688 -137.138574379563
60.0150653743474 -137.128305746766
60.013948822799 -137.127733302839
60.0125849802584 -137.138343822806
60.0137040695264 -137.138896389282
60.0137188855576 -137.138781202748

60.0136843773562 -137.138723370989

P 47227

60.0125849802584 -137.138343822806
60.013948822799 -137.127733302839
60.0128322759337 -137.127160900353
60.0114658765941 -137.137791329546

P 47228

60.0114658765941 -137.137791329546
60.0128322759337 -137.127160900353
60.0117157254397 -137.126588520147
60.010346779096 -137.13723884072

P 47229

60.010346779096 -137.13723884072
60.0117157254397 -137.126588520147
60.0105991693506 -137.126016215767
60.0092276685157 -137.136686389406

P 47230

60.0092276685157 -137.136686389406
60.0105991693506 -137.126016215767
60.0095437887638 -137.125475280126
60.0082188784793 -137.136188441365

P 47246

60.0051243632542 -137.133790356928
60.0063573966523 -137.134974580464
60.0087435139012 -137.125065218061
60.0074961027051 -137.123940717233

P 47291

59.9987845917568 -137.124613522394
60.0029260087596 -137.117469986566
60.0020315127017 -137.115402746086
59.9978865004768 -137.122552053292

P 47116

60.0029260087596 -137.117469986566
60.0049966260487 -137.113897478445
60.0041020022273 -137.111830193516
60.0020315127017 -137.115402746086

Note: All these conclusions are based on the interpretation of the measured data.

Febr. 24th 2011

Date



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