YEIP
2005
-003

YMIP 05-003

Prospecting and Technical Report

Dirkeno Group and '43' claim

Mayo Mining Division, Yukon Territory

Latitude 56.76 N Longitude 135.07 W

NTS Map Sheet 105M-14

By Dirk Moraal

August and September, 2005

incorrect
lat and long
given on title
page

43 Claim

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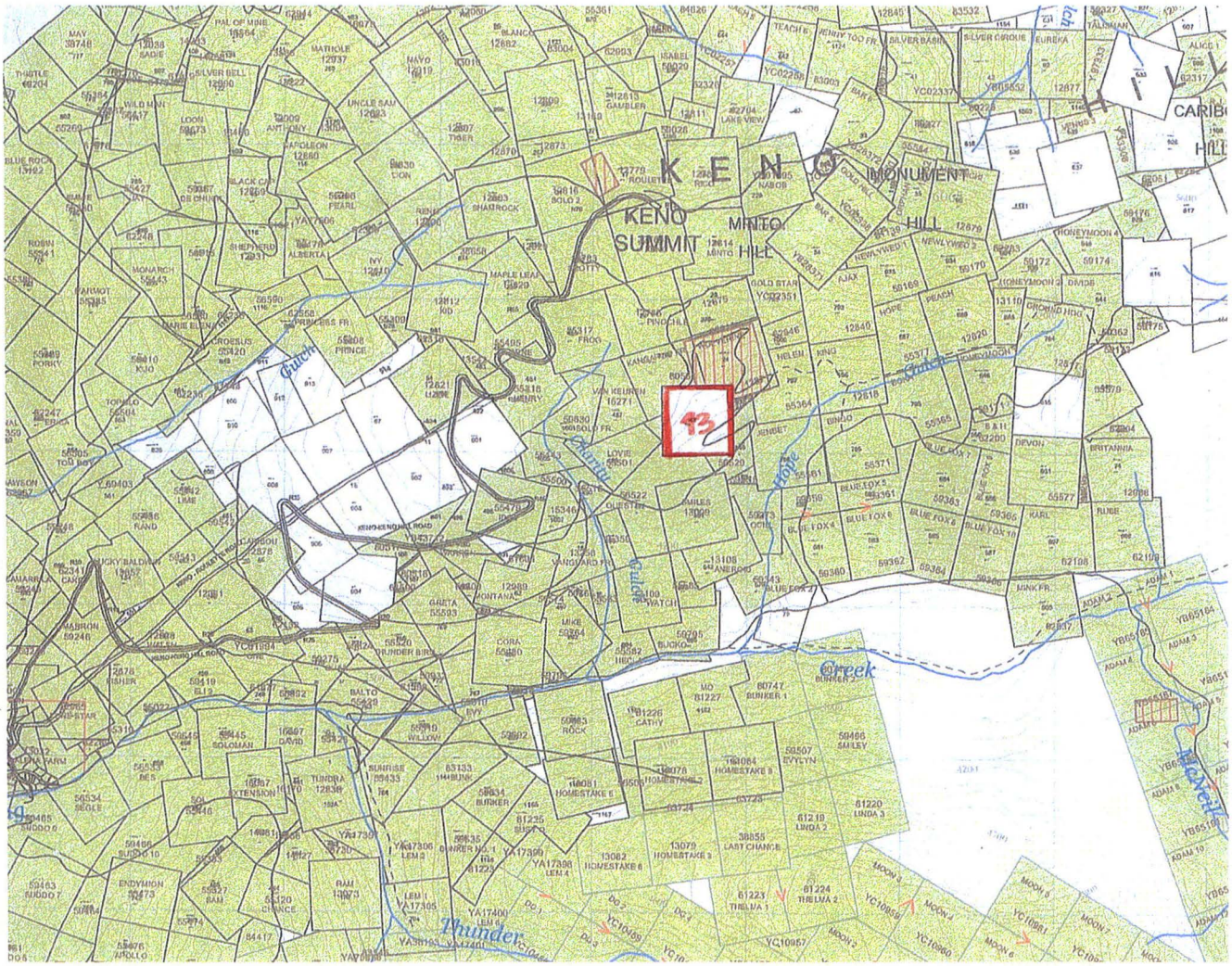
Claim Location map, 43 claim outlined.



Bibliography

Boyle, 1964, Lead Silver deposits, Keno Hill-Galena Hill Area

Fraser D.C., 1969, Contouring VLF Data

Whittles, A.B. Prospecting with radio frequency EM-16 in Mountainous regions. Western Miner.

Saydam and Boniwell, 1984 VLF Electromagnetic method. A geophysical handbook for geologists

Introduction

The Keno hill area is an historic mining camp dating back to the early 1900s when prospectors spread out after the Klondike gold rush settled into its production phase. Since then and up to 1988 when the mines shut down due to the drop in silver prices, over 9 billion grams of silver were extracted from veins on Galena Hill, Keno Hill and Sourdough Hill. Most of the production was from relatively small, but very rich silver-lead veins. The claims on Keno Hill have been held for many years and only recently tenure on some of these claims has lapsed. Some of this ground has been re-staked as part of an exploration programme designed to locate silver-lead veins that may have been missed by previous operators.

Location , Access, and Topography

The 43 Claim consists of a single claim staked over the historic "Tango" MC and is situated on the steep south facing slope of Keno Hill, adjacent to the site of the old Keno 700 mine. Access is via an all weather paved road to Mayo, a distance of 404 Km. from the city of Whitehorse, thence via the gravel all season road to historical Keno City, 60 Km to the north. From there, the visitor takes the seasonal Keno-Keno Hill road a distance of 3.5 km to a fork in the road, and follows this fork, which was the Keno 700 access road, another approximately 3.5 km. The 43 claim straddles this road.

The claim, at a mean altitude of 1450 meters is near to the summit of Keno Hill, and is mainly above tree line, the lower half of the 43 Claim is covered with dense brush in the form of red willow and dwarf birch. Sparse alpine fir is found on the claim. Elevations run from 1390 m to almost 1670 m at the NE corner of the claim.

The 43 claim is almost entirely covered in a heavy talus boulders and slabs of country rock which have slid to their present position since the last glacial period.

GPS positions of the claim posts

Post 1 Nad 83 Zone 08 489819mE-7088982 mN
Post 2 Nad 83 Zone 08 489829mE-7089418 mN

Ownership

The 43 claim is wholly owned and operated by D.N. Moraal, Box 75, Tagish, Yukon. The claims are in good standing and have a recording date of 23 August 2004

History and previous work

The 43 Claim has been inactive for a considerable length of time. There is little evidence of serious exploration work on the property. Aside from the lot survey in the 1950's, only one old tagged claim post was located on the ground. Three small bulldozer trenches are found on the west boundary of the claim but they are shallow and there is doubt whether the trenches was intended as exploration work on the Tango or on adjacent claims. Two of the trenches were following a quartz vein in the NW corner of the claim. No metallic mineralization was found in these trenches.

Work described in this report

Work consisted of prospecting the property, establishing a series of grid lines, conducting a VLF survey over the gridlines and collecting 39 soil samples. The location posts were also surveyed in with GPS.

Prospecting and Geology

The rocks in the area are mainly of sedimentary origin. They have been described elsewhere as of Precambrian or early Palaeozoic in age and consist of various forms of schist, phyllite, and quartzite with argillite and slates completing the sedimentary package. Cretaceous greenstone lenses and sills occur through out the area but none was found to outcrop on the claim.

Three fault types are the targets of main interest, as they have traditionally carried the ore bodies of Keno Hill. These are the usually East-West trending Longitudinal faults, the North to North east trending Transverse faults, and the post ore North West trending faults which normally do not carry significant mineralization.
The nearby Helen Fraction vein fault, was projected onto the 43 claim and locating it on the property formed the basis for the exploration programme.
On the claim, a thick mantle of quartzite and schist boulder talus covers almost 80 percent of the ground, making it difficult to map the bedrock. Only a few exposures can definitely be called bedrock. However, three distinct belts of rock appear to exist. To the west, blocky thick bedded quartzite dominates the high ground and are the source of most of the talus and boulder cover. In the centre of the claim, pale green, hard, sericite schist outcrops in a few isolated spots, and underlies the quartzite, while the east side of the claim is mainly grey to black thin bedded phyllite and shale.

Legend

1 Pale blocky quartzite, minor graphitic schist
2 Quartz muscovite schist and quartz muscovite chlorite schist, grey phyllite
3 Graphitic phyllite
4 Grey to black flaggy quartzite, graphitic phyllite
5 Limestone
6 Undifferentiated, 1-5
7 Greenstone
8 Lamprophyre
9 Rhyolite and porphyritic rhyolite

 Adit

 Trench

 Bedding

 Foliation

 Area of float rock

 Area of outcrop

 Vein fault, known, assumed

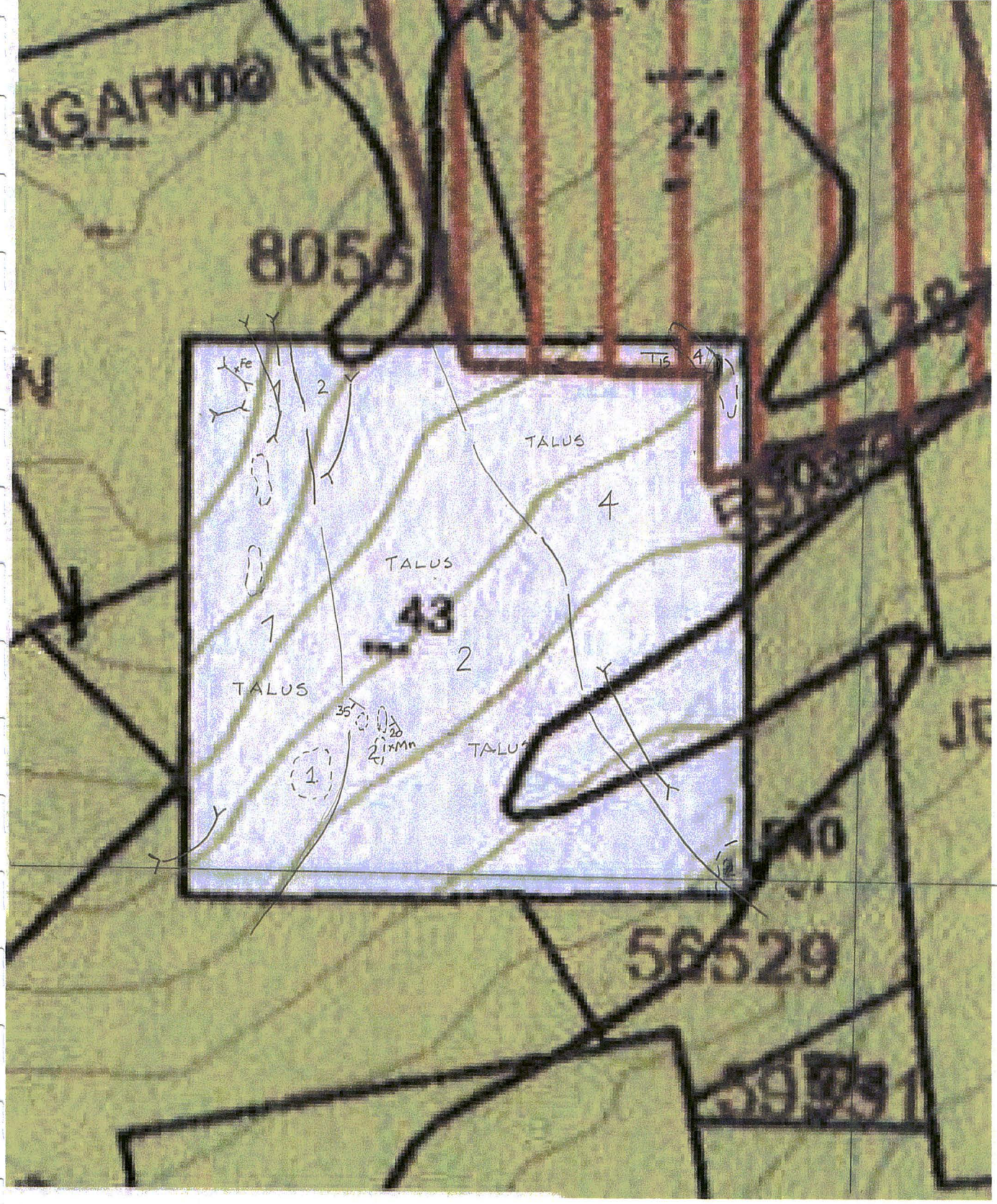
 Building

 Shaft

 Survey line

 Claim posts

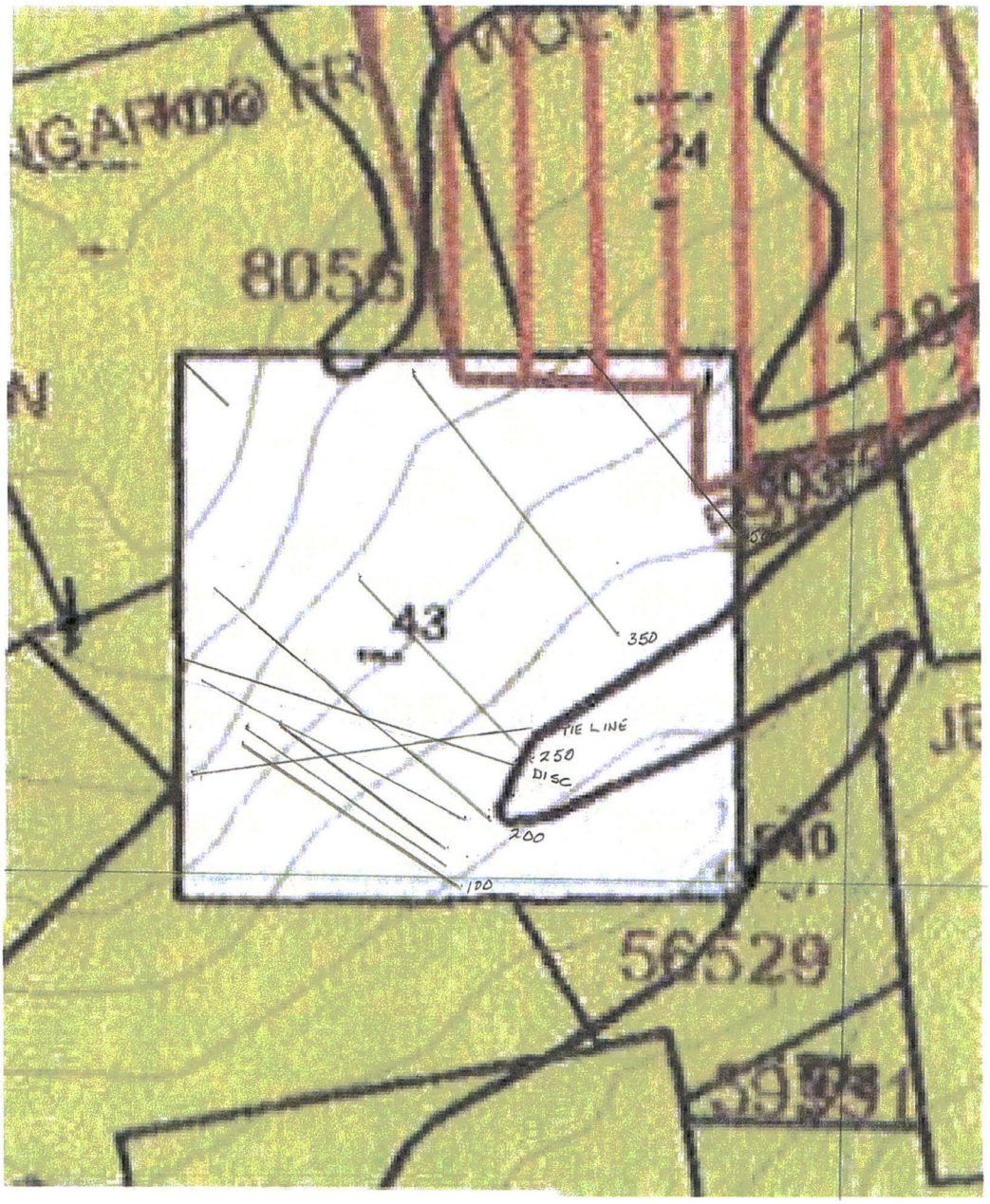
Conductor, strong, weak



Geology of the #43 claim

Grid

9 lines were flagged and marked at 10 m intervals on the claims, totalling 2300 meters of grid line. “Low impact” exploration was attempted, since this area is visited by tourists to the Keno area, but in general it had the effect of costing time and when wet, the brush became difficult to traverse.



Geophysical Surveys

VLF Survey

The operator utilized a Sabre model 27 VLF receiver to survey the grid lines. These receivers are tuned to the powerful military transmitters used by the submarine service of many country's, and are a very cost effective tool for discovering subsurface features.

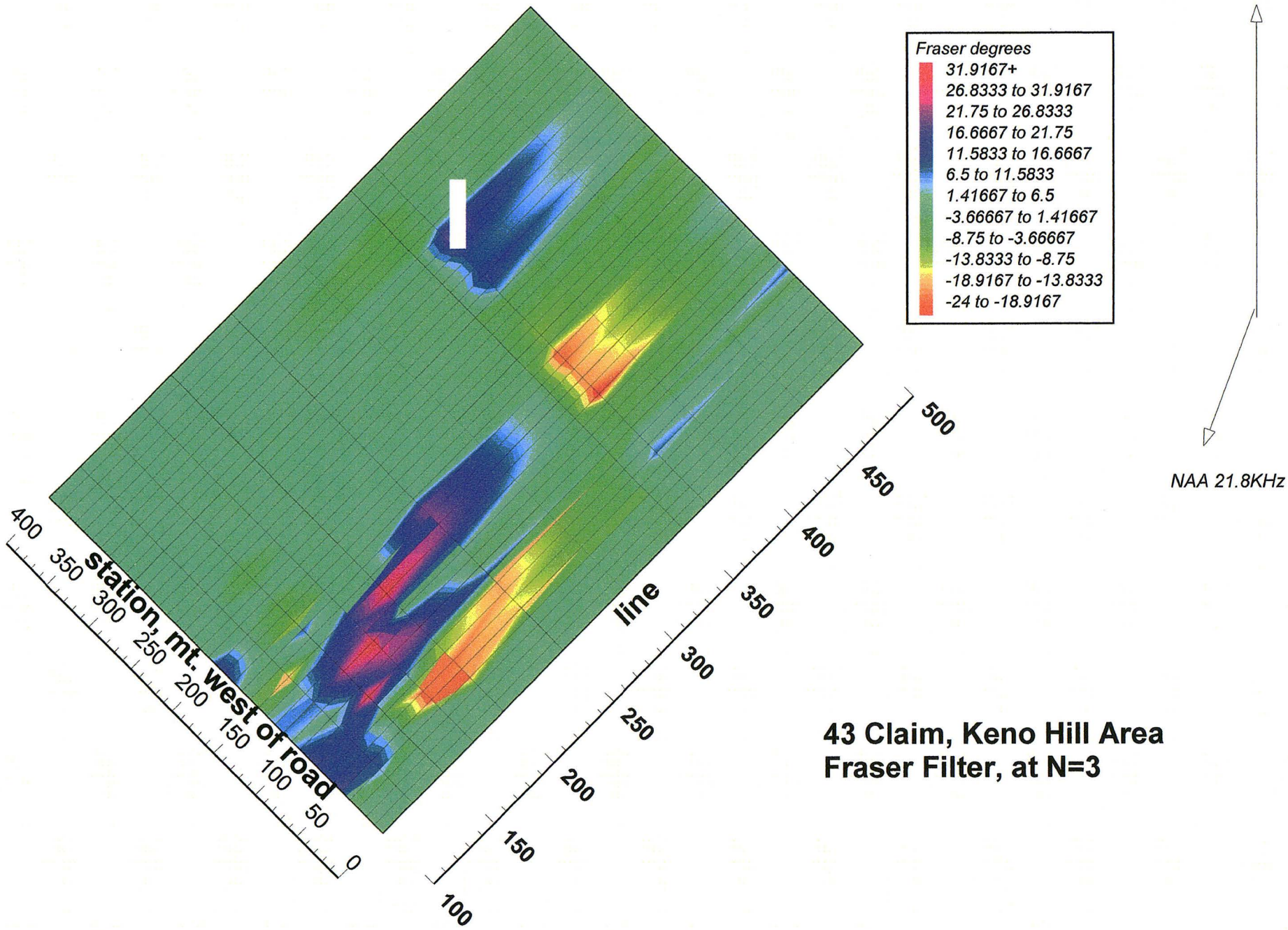
The VLF method is a passive method, requiring only a receiver, and is flexible and independent from many of the operational headaches associated with more expensive methods. As applies to exploration, the method detects resistivity contrasts, from poor conductors such as horizontal beds, to solid metallic conductors such as metallic sulphide veins. Simply put, the horizontal ground wave from the transmitter is disturbed as it passes over a local feature which causes a secondary field to introduce a phase shift and the field becomes polarized. The receiver detects this as a change in the tilt angle of the resultant field and these changes are recorded as dip angles in degrees, and plotted.

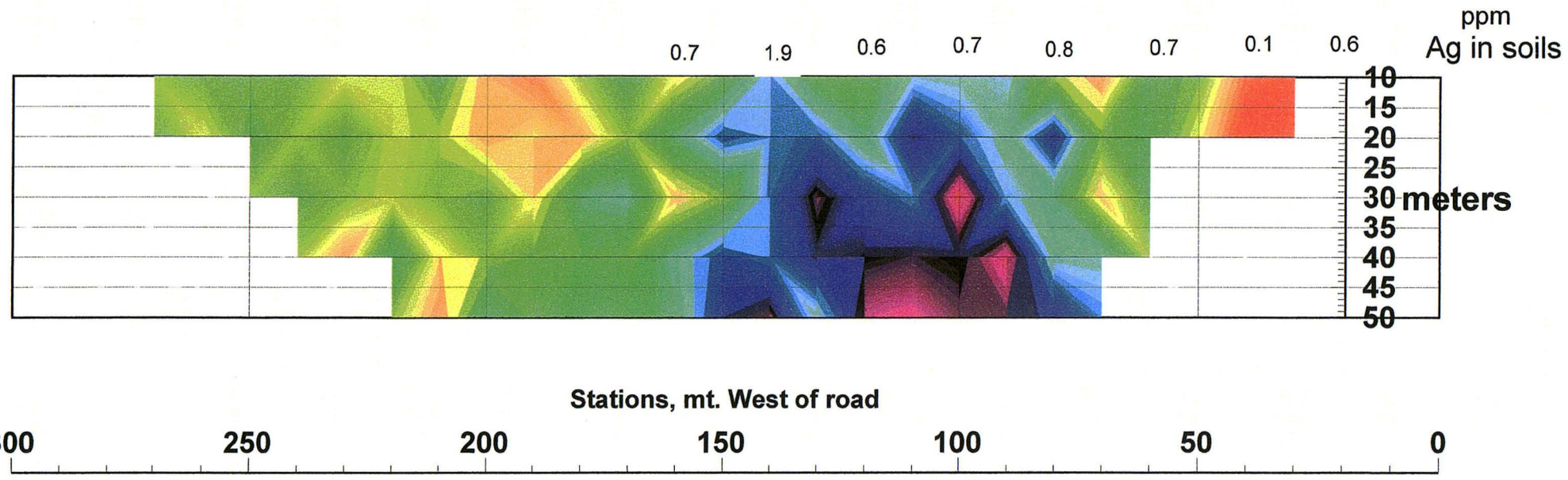
Since the anomalies expected on the 43 Claim are from small sulphide veins, a station interval of 10 meters was chosen over the more common 25 meter spacing since the wider station interval enhances geological structure rather than sulphide lenses.

Generally, the data can be plotted directly, but often, due to the nature of the terrain being surveyed, various factors such as the effect of surficial conduction, slope of the ground, resistivity of the host medium, etc, cause changes in dip angles, and it is desirable to remove these to more clearly define the anomaly, It is normal to treat the data to a filter, such as the Fraser Filter method, which contains a discrete first derivative. Essentially, the filter [x=(c+d)-(a+b)] enhances anomalies with widths equal to or less than 5 times the filtered data station intervals, transforming the "crossover" point where, ideally, the tilt angles changes signs, into positive peaks. This facilitates the contouring of the data, and pinching out narrow conductors or edges of tabular bodies.

Survey results were typical for steep sloping cordilleran terrain, in that the back ground was high, and crossovers displaced. However, the use of the transform algorithm showed definite if wide peaks, as can be expected in rather flat lying substructure.

The main VLF-EM anomaly appears to consist of two or more orthogonal elements, principally a 100 m plus long north trending (transverse) feature, terminating at its northern end in a NE trending (longitudinal) feature which corresponds with the inferred terminus of the Helen vein fault. This feature is open to the NE but does not extend further than 150 m past its' currently known position. The transverse element is associated with the anomalous geochem. Fraser filter results at N=3 are presented in a computer generated spectral plot. The positive Fraser anomaly appears in red.


Fraser degrees
31.9167+
26.8333 to 31.9167
21.75 to 26.8333
16.6667 to 21.75
11.5833 to 16.6667
6.5 to 11.5833
1.41667 to 6.5
-3.66667 to 1.41667
-8.75 to -3.66667
-13.8333 to -8.75
-18.9167 to -13.8333
-24 to -18.9167
NAA 21.8KHz
station, mt. west of road
400
350
300
250
200
150
100
50
0
line
500
450
400
350
300
250
200
150
100
43 Claim, Keno Hill Area
Fraser Filter, at N=3

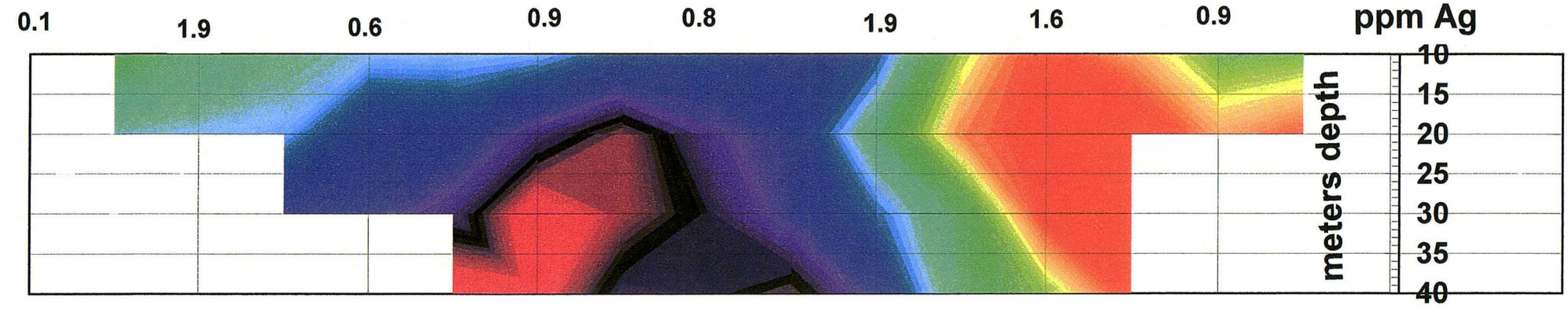


Stations, mt. West of road

300 250 200 150 100 50 0

43 Claim

Line 150, Fraser Section, to N=5

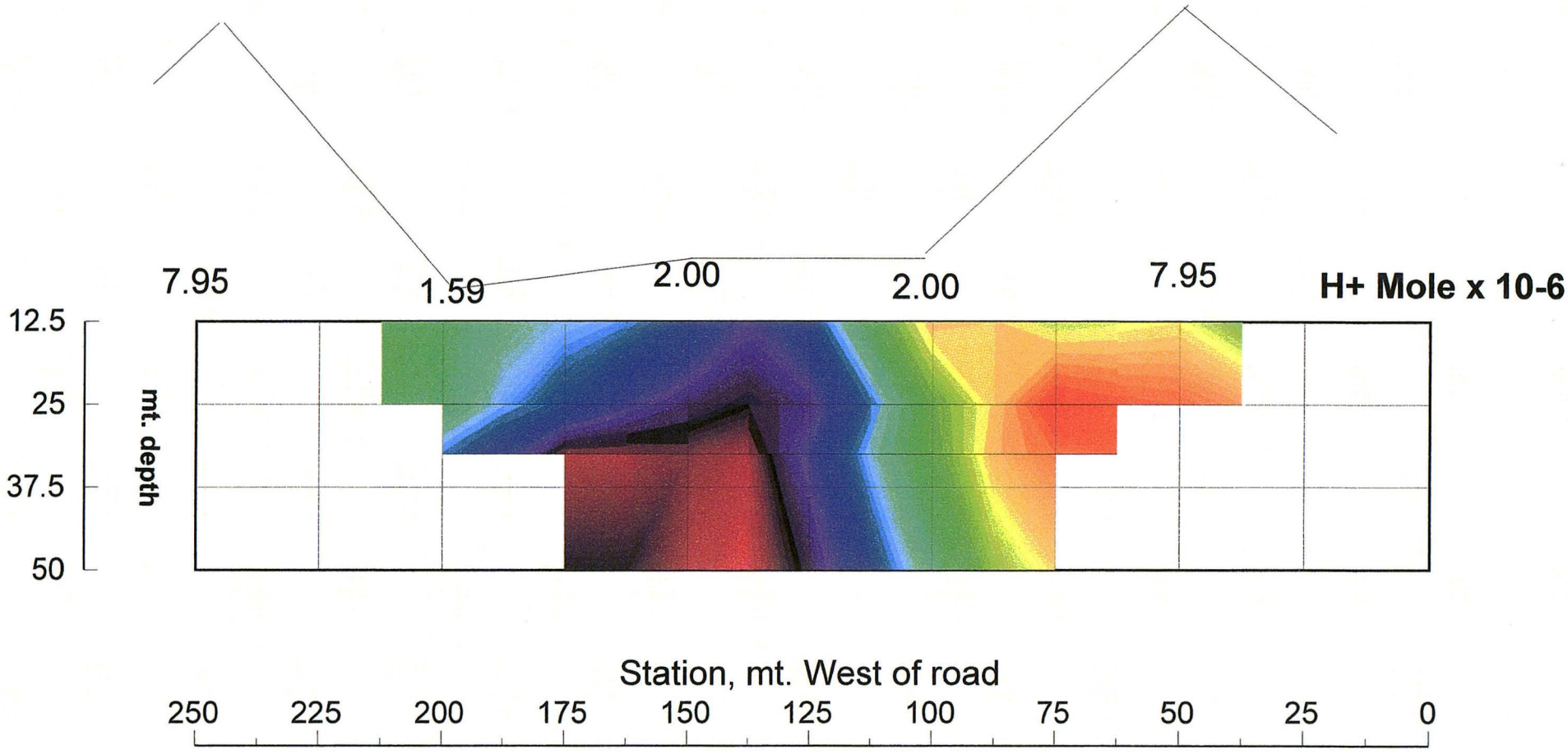


Stations, mt. West of road

180 160 140 120 100 80 60 40 20 0

43 Claim

Line 175, Fraser Section to N=4

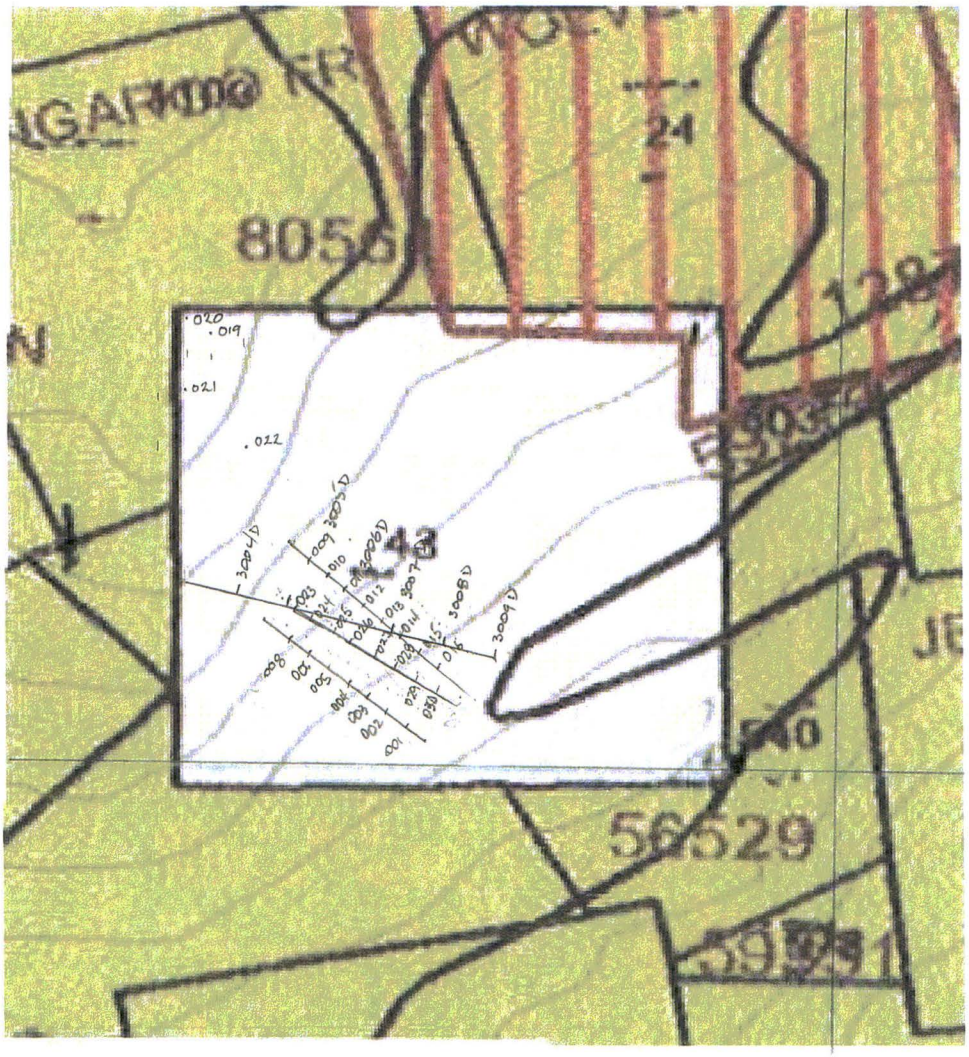


43 Claim, Discovery Line, Fraser VLF-EM Pseudosection against H+ Mole

Magnetics

The magnetic field was very disturbed during the work period, and after several attempts, the magnetic survey was postponed.
A single line surveyed with a Sharpe vertical field Fluxgate magnetometer showed a weak anomaly with various peaks suggesting a sheeted structure at shallow depth, coincident with the VLF-EM anomaly and associated with the Ag geochemical anomaly. There are few magnetic minerals present, but magnetics would be a useful tool for understanding structure.

Geochemical Sampling



While the property is mainly covered by boulders, there is enough residual soil to permit soil sampling. The claim was not glaciated, being just above the limit of glaciation. Geochemical results on Keno Hill is not always straight forward. Glacial scouring, soil creep, and permafrost can displace an anomaly down hill, or not show up at all.

30 soil samples were collected on three short grid lines, As well, 5 samples were collected at random locations.

Soils were collected using a mattock, and a cavity was dug to below the organic layer into the B horizon. This horizon is not distinct and is intermixed with fragments, boulders and cobbles of local origin. In some specific locations, it may be part of the C horizon. A .5 kg sample of soil was collected at each sample location and placed in a marked Kraft paper soil bag of the standard type used in the mining industry. After collection, the samples were air dried in the field, sieved to -20 mesh, and packed for shipment. Samples were sent to ALS Chemex in Vancouver for analysis by the ICP61 method, a 27 element 4 acid, almost total digestion process, recommended to the prospector by the laboratory as a result of a consultation. The main suite of elements of interest in the search for Keno type lead-silver veins are, Ag, As, Sb, Pb, Zn, Cu, Mn and Fe.

Analytical results show anomalous Ag and Ba associated with, and up hill of the main north to NE trending VLF-EM anomaly. As and Zn, Be, Co, Cu, follow the Ag anomalies. Ca and Mn are notably weaker at the anomalous Ag sample locations. A secondary, two station (20 m) anomalous Ag area is located further down hill from the main anomaly but can't be associated with structure at this writing. It is possible it may either be caused by a large piece of float that has slid downhill from the area of the main geochemical anomaly or is part of a fold that has not been identified.

Copies of the assay results are attached at the end of this report

Summary

The purpose of the work programme was to locate an extension of the Helen Fraction vein fault onto the 43 Claim, and, any sulphide veins associated with the fault. The work programme was successful in locating a moderate VLF anomaly of 250 m in length which may be the axis of an extension to the vein fault in question.

This anomaly is located in the southwest corner of the claim, and appears to be associated with a contact between sericite schist and blocky quartzite of Precambrian to Palaeozoic age. This combination is reported by other writers to be "favourable" for ore deposition as long as it also meets other requirements such as fault movement opening space for the mineralized fluids to ascend, and/or intense folding.

Soil sampling over the immediate vicinity of the contact is anomalous in Ag and Ba, with several minor elements also in the anomalous range.

Raw VLF data was treated to Fraser's transform algorithm to enhance the crossovers and convert them to positive peaks. This allowed the axis of the anomaly to be accurately plotted.

Conclusions and recommendations.

The VLF anomaly found on the 43 Claim was outlined on grid lines running almost 45 degrees to the anomaly axis in the area where the anomaly is strongest, due to the conductor curving from southwest to south. Based on the results of a test survey line positioned over the original anomaly but oriented East to West, this portion of the grid could be re surveyed on east west lines, and since targets are small, a line separation of 25 m and station spacing of 10 m should be used. A magnetic survey should be carried out and at least one other method, perhaps an electrical method, such as SP, which has an attenuated response to purely structural features, could be employed to further pinpoint the location of a sulphide target.

There is room for at least 5 more short lines at 25 m spacing, to close off the anomaly to the south and NE.

Prior to any excavation, and to minimize environmental impact and economize on the exploration dollar, this target should be re surveyed with very close spaced stations to define what appears to be a rather complex geological situation.

43 claim Raw VLF-EM Dip Angle Data

Line	100	125	150	175	200	250	370
350							12
340							10
330							12
320							11
310							12
300			7				18
290			7				21
280			3				24
270			5				22
260			5				22
250			5	12			21
240			7	16			26
230			5	15			25
220			5	10		10	25
210			5	7	5	7	23
200	3	4	10	3	4	8	26
190	1	2	4	5	3	11	21
180	3	1	6	7	5	14	22
170	3	3	1	4	6	18	23
160	7	9	9	7	9	19	22
150	3	7	3	6	10	23	17
140	2	7	4	10	12	24	16
130	7	6	12	11	20	26	15
120	7	8	12	13	21	23	9
110	3	10	9	17	27	25	12
100	5	11	19	21	26	20	10
90	9	8	16	24	26	19	12
80	11	11	25	32	23	17	12
70	11	12	24	25	22	16	13
60	14	16	18	21	20	14	11
50	14	16	25	17	16	12	14
40	14	21	23	17	15	13	14
30	17	22	22	16	16	15	13
20	16	18	8	12	14	12	15
10	20	19	16	11	15	9	14
0	23	15	14	8	12	13	14
-10	16	14					

station	Discovery Line, Dip Angle	HFS	Fraser Filt.	Magnetics	H+Mole	ppm Ag	ppm Ba
250	7	71			7.95x10-6	0.1	710
237.5	6	71	1				
225	5	72	-2				
212.5	5	71	-2				
200	6	76	0		1.59x10-6	0.9	1050
187.5	5	75	3				
175	8	77	9				

162.5	9	83	9			
150	13	87	13	2x10-6	0.6	>10000
137.5	16	87	16			
125	22	83	20			
112.5	27	73	16			
100	27	63	0	2x10-6	0.6	3380
87.5	22	57	10			
75	21	57	8			
62.5	18	57	8			
50	18	56	9	7.95x10-6	0.5	7930
37.2	13	59	5			
25	14	63	3			
12.5	12	62				
0	12	62		1.59x10-6	0.6	2590

500	tie line
13	
11	-6
11	4
9	-4
9	-1
11	-3
12	3
13	-9
13	-1
13	-3
13	-3
12	-3
12	-5
10	-2
12	-1
12	3
11	11
11	15
15	17
14	17
14	19
14	16
13	9
14	20
11	14
11	12
15	4
15	7
14	7
20	6
22	5
21	6

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Finalized Date: 13-AUG-2005
Account: DIRMOR

CERTIFICATE OF ANALYSIS VA05063492

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%
	LOR	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
43-001		0.06	0.6	6.60	21	5540	1.9	<2	0.23	<0.5	35	115	140	4.25	1.86	0.79
43-002		0.10	<0.5	7.34	32	3790	2.0	3	0.39	<0.5	20	90	99	4.25	2.11	0.90
43-003		0.08	0.7	6.60	24	3760	1.8	2	0.49	<0.5	16	120	69	4.08	1.79	0.74
43-004		0.10	0.8	5.93	17	1480	1.6	<2	0.26	<0.5	6	102	26	2.80	1.50	0.33
43-005		0.08	0.7	6.82	19	1640	1.9	<2	0.27	<0.5	6	140	28	3.16	1.76	0.32
43-006		0.08	0.6	6.43	27	1690	1.6	<2	0.66	<0.5	11	106	33	3.67	1.59	0.52
43-007		0.06	1.9	7.95	31	1540	2.2	<2	0.19	<0.5	6	154	39	3.45	2.24	0.30
43-008		0.08	0.7	6.67	31	1200	1.9	<2	0.25	<0.5	15	114	35	3.82	1.83	0.36
43-009		0.08	0.6	5.69	58	1080	1.6	<2	0.22	1.0	38	134	47	3.65	1.52	0.29
43-010		0.06	0.8	5.31	164	1000	1.5	<2	0.39	0.5	23	103	30	3.52	1.43	0.36
43-011		0.06	1.1	5.49	44	1270	1.5	4	0.25	<0.5	7	136	27	3.20	1.54	0.27
43-012		0.06	1.7	6.33	25	1820	1.8	2	0.23	<0.5	5	124	30	3.44	1.76	0.32
43-013		0.06	2.2	8.20	50	2020	2.2	<2	0.35	<0.5	14	174	38	4.93	2.17	0.49
43-014		0.08	0.6	5.95	25	2750	1.6	<2	0.48	<0.5	12	97	42	3.70	1.63	0.62
43-015		0.08	<0.5	5.76	33	1760	1.5	4	0.67	<0.5	11	110	32	3.79	1.57	0.66
43-016		0.06	0.8	7.39	35	7200	2.2	4	0.24	<0.5	10	132	40	4.06	2.11	0.48
43-017		0.08	0.9	9.88	33	7620	3.0	2	0.38	<0.5	13	158	60	4.67	2.97	0.91
43-018		0.08	1.7	6.52	34	1860	1.7	2	0.53	0.5	13	102	51	3.91	1.72	0.68
43-019		0.08	0.6	6.81	329	1660	2.0	<2	0.53	0.5	7	138	37	3.44	2.00	0.44
43-020		0.10	<0.5	5.67	33	800	1.1	3	0.81	<0.5	10	74	24	3.48	1.16	0.71
43-021		0.12	<0.5	5.75	46	840	1.1	2	0.83	<0.5	10	88	21	3.71	1.19	0.70
43-022		0.06	0.5	6.17	41	1040	1.5	3	0.62	<0.5	10	96	26	3.56	1.46	0.61
43-023		0.12	<0.5	4.22	27	630	0.9	2	0.69	<0.5	8	92	24	3.04	0.91	0.49
43-024		0.08	1.0	7.57	33	1390	2.1	2	0.40	<0.5	16	117	37	3.93	2.21	0.38
43-025		0.08	0.6	4.65	72	790	1.2	3	0.34	<0.5	6	102	17	2.85	1.24	0.25
43-026		0.08	0.9	5.22	82	890	1.3	2	0.22	<0.5	3	92	12	2.43	1.48	0.19
43-027		0.06	0.8	6.73	102	1120	1.7	3	0.33	<0.5	8	135	21	3.84	1.88	0.30
43-028		0.04	1.8	8.68	48	1900	2.3	3	0.24	<0.5	6	122	28	3.43	2.52	0.35
43-029		0.06	1.6	8.30	42	5800	2.2	4	0.24	<0.5	4	159	31	3.32	2.36	0.35
43-030		0.08	0.9	8.57	64	2770	2.4	2	0.34	<0.5	15	126	53	5.01	2.38	0.58
M3-001R		0.08	<0.5	5.94	9	940	1.2	<2	1.01	<0.5	8	104	25	3.24	1.32	0.78
M3-002R		0.06	<0.5	5.81	23	930	1.1	2	0.83	<0.5	7	75	22	3.44	1.28	0.73
M3-003R		0.08	<0.5	5.56	<5	840	1.1	2	0.83	<0.5	5	95	19	3.17	1.24	0.71
S1-001R		0.14	1.1	6.28	5	3600	1.5	2	0.48	5.5	13	95	50	3.57	1.60	0.58
S1-002R		0.10	1.1	7.08	28	8780	1.7	2	0.45	<0.5	6	115	50	3.34	1.96	0.73

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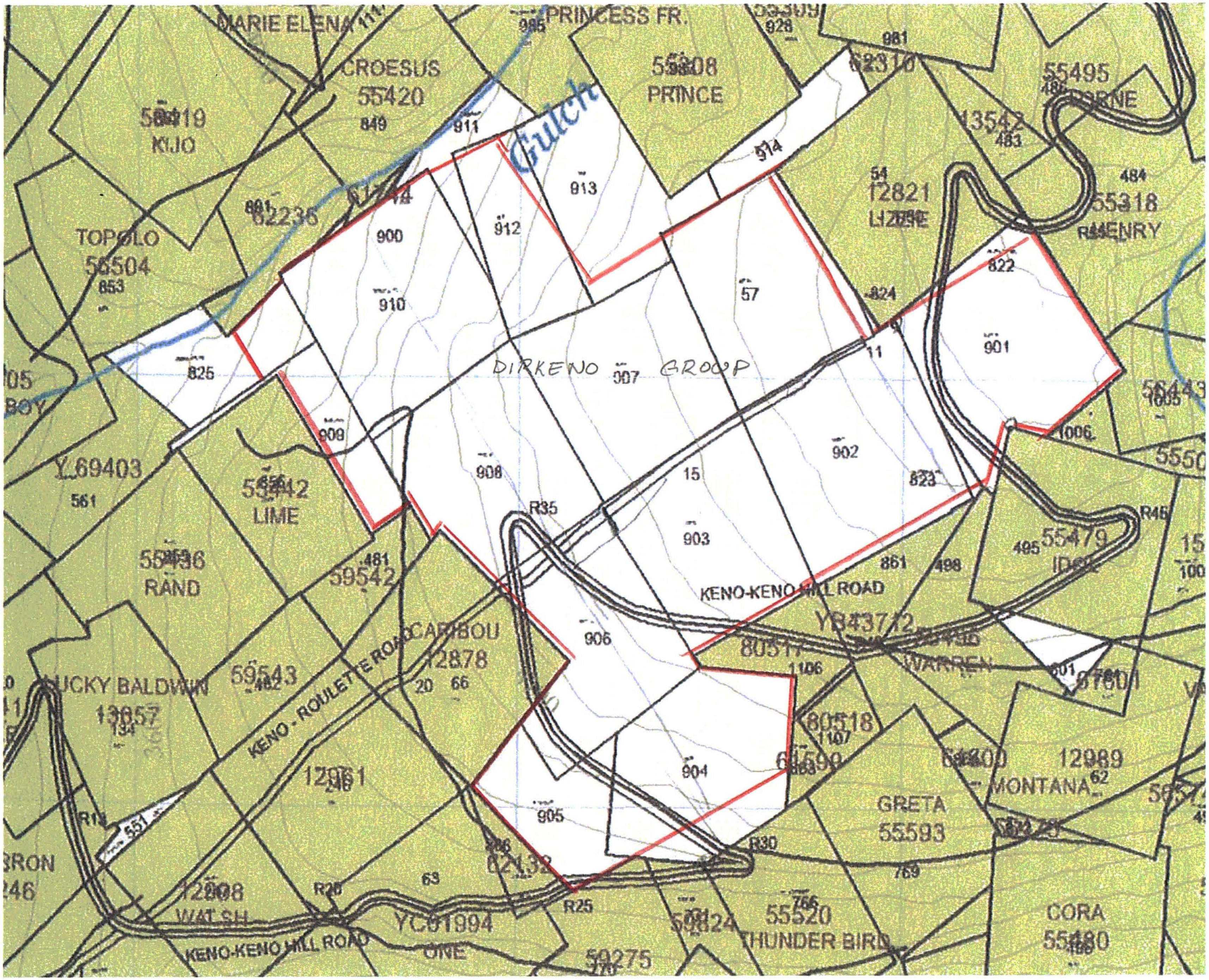
Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn
	Units	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2
43-001		1735	7	0.57	53	890	21	0.04	6	122	0.33	148	<10	129
43-002		1130	6	0.82	55	1220	20	0.03	5	143	0.36	152	<10	134
43-003		1110	4	0.74	43	940	18	0.02	<5	157	0.24	144	<10	119
43-004		420	2	0.49	28	960	17	0.02	5	151	0.32	128	<10	86
43-005		152	2	0.59	29	980	22	0.03	5	198	0.37	148	<10	80
43-006		556	2	0.76	38	1040	20	0.02	6	174	0.42	140	<10	95
43-007		168	3	0.48	39	700	27	0.02	8	171	0.39	170	<10	98
43-008		678	1	0.39	60	1320	24	0.02	8	143	0.27	142	<10	142
43-009		2000	4	0.38	70	1120	27	0.04	5	110	0.26	128	<10	166
43-010		892	1	0.52	54	930	23	0.02	5	126	0.35	124	<10	128
43-011		308	2	0.46	33	900	17	0.03	<5	145	0.38	130	<10	105
43-012		197	3	0.47	29	920	20	0.03	<5	164	0.42	161	<10	86
43-013		552	1	0.59	49	1130	28	0.03	<5	185	0.47	198	<10	124
43-014		708	2	0.67	37	1180	16	0.04	<5	144	0.39	144	<10	102
43-015		829	2	0.86	30	1320	18	0.05	<5	162	0.42	146	<10	98
43-016		517	6	0.55	46	1220	22	0.08	<5	170	0.43	196	<10	122
43-017		775	6	0.70	59	1290	30	0.06	<5	207	0.53	254	<10	148
43-018		680	3	0.76	45	950	67	0.02	<5	170	0.26	146	<10	142
43-019		407	1	0.73	38	900	17	0.03	6	201	0.41	152	<10	89
43-020		383	<1	1.06	31	540	14	0.04	<5	175	0.40	127	<10	78
43-021		436	<1	1.05	24	640	16	0.03	<5	172	0.40	138	<10	88
43-022		425	1	0.83	34	770	18	0.02	<5	166	0.39	140	<10	85
43-023		384	<1	0.68	33	1020	13	0.04	<5	130	0.36	100	<10	79
43-024		908	1	0.59	51	1080	25	0.02	<5	185	0.22	171	<10	115
43-025		540	<1	0.46	28	1000	24	0.03	<5	127	0.31	102	<10	70
43-026		192	2	0.44	17	880	13	0.03	6	136	0.29	128	<10	63
43-027		389	1	0.53	34	1100	25	0.02	5	174	0.42	156	<10	91
43-028		167	1	0.56	35	990	22	0.06	<5	207	0.39	192	<10	99
43-029		170	7	0.69	32	880	16	0.04	<5	234	0.39	199	<10	82
43-030		622	8	0.70	60	1680	35	0.04	<5	194	0.32	188	<10	146
M3-001R		491	<1	1.16	27	650	18	0.01	<5	196	0.38	128	<10	80
M3-002R		453	<1	0.90	25	1000	24	0.01	<5	152	0.34	140	<10	83
M3-003R		330	<1	0.93	21	750	20	0.01	<5	158	0.41	136	<10	70
S1-001R		2650	2	0.82	49	870	72	0.02	<5	199	0.28	140	<10	572
S1-002R		389	4	0.84	33	880	61	0.02	<5	190	0.42	192	<10	116

Dirkeno Group



DIRKENO GROUP
Gulch
PRINCESS FR.
MARIE ELENA
CROESUS
55420
KIJO
PRINCE
55495
13542
12821
55318
HENRY
TOPOLO
55504
900
910
912
913
914
57
822
824
901
825
907
11
909
908
15
902
823
903
906
904
905
Y 69403
LIME
RAND
59542
CARIBOU
12878
LUCKY BALDWIN
59543
KENO - ROULETTE ROAD
KENO-KENO HILL ROAD
YB43712
80517
WARREN
55479
80518
12989
MONTANA
GRETA
55593
CORA
55520
THUNDER BIRD
YC01994
ONE
59275
WALSH
12961
R35
R45
R30
R25
R26
R13

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Introduction

The Keno hill area is an historic mining camp dating back to the early 1900s when prospectors spread out after the Klondike gold rush settled into its production phase. Since then and up to 1988 when the mines shut down due to the drop in silver prices, over 9 billion grams of silver were extracted from veins on Galena Hill, Keno Hill and Sourdough Hill. Most of the production was from relatively small, but very rich silver-lead veins. The claims Keno Hill have been held for many years and only recently tenure on some of these claims has lapsed. Some of this ground has been staked as part of an exploration programme designed to locate silver-lead veins that may have been missed by previous operators.

Location , Access, and Topography

The Dirkeno Group consists of 11 claims situated on the west facing slope of Keno Hill, at an average altitude of 1350 m. Access is via all weather paved road to Mayo, a distance of 404 Km from the city of Whitehorse, thence via the gravel all season road to historical Keno City, 60 Km to the north. From there, the visitor takes the seasonal Keno-Keno Hill road a distance of 4.0 km to the claims. The Dirkeno Group of claims straddles this road.

The claim group just below the tree line, and is covered by dense brush in the form of dwarf birch and willows. Parts are covered by sub-alpine fir and occasionally spruce trees. Elevations run from 1200 m at the south end of the property to almost 1500 m at the NE corner of the claim group. Access is excellent from the seasonal but well used Keno-Keno Hill road, locally called the Signpost Road.

The Dirkeno claim group is almost entirely covered in overburden, consisting of varying depths of rocks and clay soil and slabs country rock which have been moved to their present location the McConnell glaciation (25000 to 12000 years ago).

GPS positions of the claim posts

All positions reported in this table are NAD 83, Zone 8

Post 1 of Son 1 and 2	488102mE-7088728mN
Post 1 of Son 3	487900mE-7089071mN
Post 2 of Son3	487645mE-7089432mN
Post 1 of Mom 1 and 2	487510mE-7088017mN
Post 1 if Mom 3 and 4	487292mE-7088386mN
Post 1 of Mom 5 and 6	487041mE-7088703mN
Post 1 of Mom 7 and 8	486817mE-7089078mN
Post 2 of Mom 7 and 8	486641mE-7089431mN

GPS positions of only Post 1 of each claim is reported since post 2 of the previous claim is at the same location, the exceptions being post 2 of Mom 7 and 8 and post 2 of Son 3

Ownership

The Dirkeno group of claims is wholly owned and operated by D.N. Moraal, Box 75, Tagish, Yukon. The claims are in good standing and have a recording date of 23 August 2004

History and previous work

The Dirkeno Group of claims appears to have been inactive for a considerable length of time. There is little evidence of serious exploration work on the property except some bulldozer trenches around the periphery. Weathered pickets indicate some level of formal exploration work in the past. The claims cover most of a series of expired grants and leases, most surveyed in the 1950's. Minor amounts of mineralization in the form of float, and thin veins of manganese-limonite-galena found in one of these trenches are the only visible indications observed. Most of the trenches failed to reach bedrock and were ended in overburden.

Work described in this report

Work consisted of prospecting and geological mapping of the property, establishing a series of grid lines, conducting a VLF survey over the gridlines, and collecting soil samples over selected lines that showed the best VLF anomalies. The location posts were surveyed in with GPS.

Work was carried out between the 25th of July and the 23th of August 2005

Prospecting and Geology

The rocks in the area are mainly of sedimentary origin. They have been described elsewhere as of Precambrian or early Palaeozoic in age and consist of various forms of schist, phyllite, and quartzite with argillite and slates completing the sedimentary package. Cretaceous greenstone lenses and sills occur through out the area and subcrop on the west side of the claims. The cliffs above Ericsson Gulch which bounds the claims to the north consist mainly of pale green sericite and quartzite.

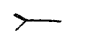
Three main fault types are the targets of main interest, as they have traditionally carried the ore bodies of Keno Hill. These are the usually East-West trending Longitudinal faults, the North to North east trending Transverse faults, and the post ore North West trending faults which normally do not carry significant mineralization.

Three important longitudinal faults appear to cross the property. These are from north to south, the #6 vein fault, The Comstock-Porcupine vein fault, and the Hogan vein fault at the south end of the group. The #6 vein fault is the most important vein fault from the standpoint of past producers on Keno Hill. Transverse vein faults off this longitudinal fault hosted some of the richer ore shoots which were mined in the early days.

The claims are estimated to be 95 percent covered with overburden of varying depths. Old trenches are from .5 to 4 meters deep, and the deepest are still in overburden. The glacial nature of the clay and transported rock causes many problems for the explorationist. Primarily, the scant amount of outcrop does not permit proper thorough geological mapping, while geophysical methods are constrained by the effects of the conductive overburden.

Legend

10	Pale blocky quartzite, minor graphitic schist
11	Quartz muscovite schist and quartz muscovite chlorite schist, grey phyllite
12	Graphitic phyllite
13	Grey to black flaggy quartzite, graphitic phyllite
14	Limestone
15	Undifferentiated, 1-5
16	Greenstone
17	Lamprophyre
18	Rhyolite and porphyritic Rhyolite


Adit


Trench


Bedding

Foliation

Area of float rock


Area of outcrop

Vein fault, known, assumed

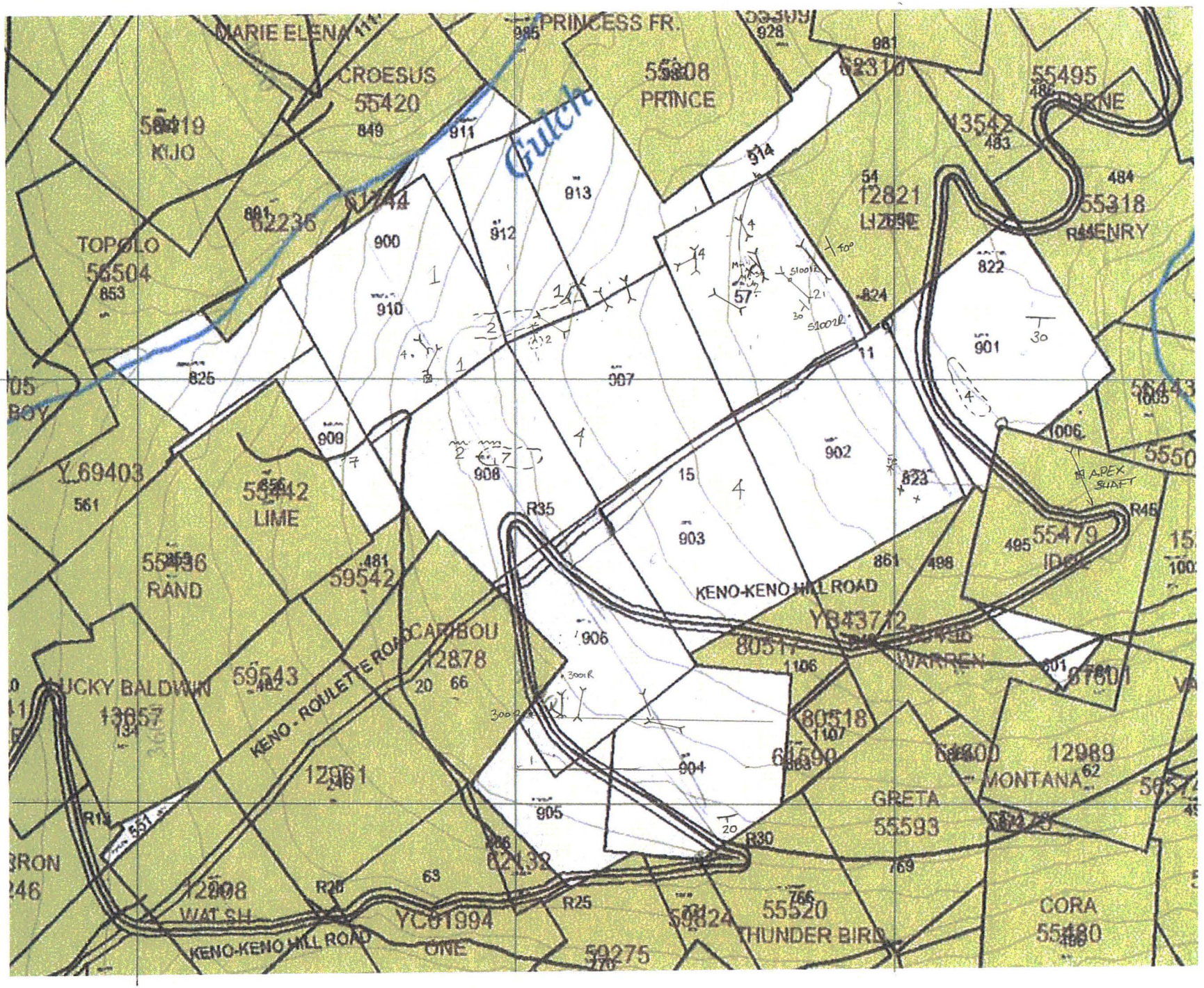

Building


Shaft

Survey line


Claim posts

Conductor, strong, weak


MARIE ELENA
PRINCESS FR.
CROESUS
55420
PRINCE
KIJO
Gulch
TOPOLO
56504
LIME
RAND
KENO-KENO HILL ROAD
CARIBOU
12878
LUCKY BALDWIN
KENO - ROULETTE ROAD
MONTANA
GRETA
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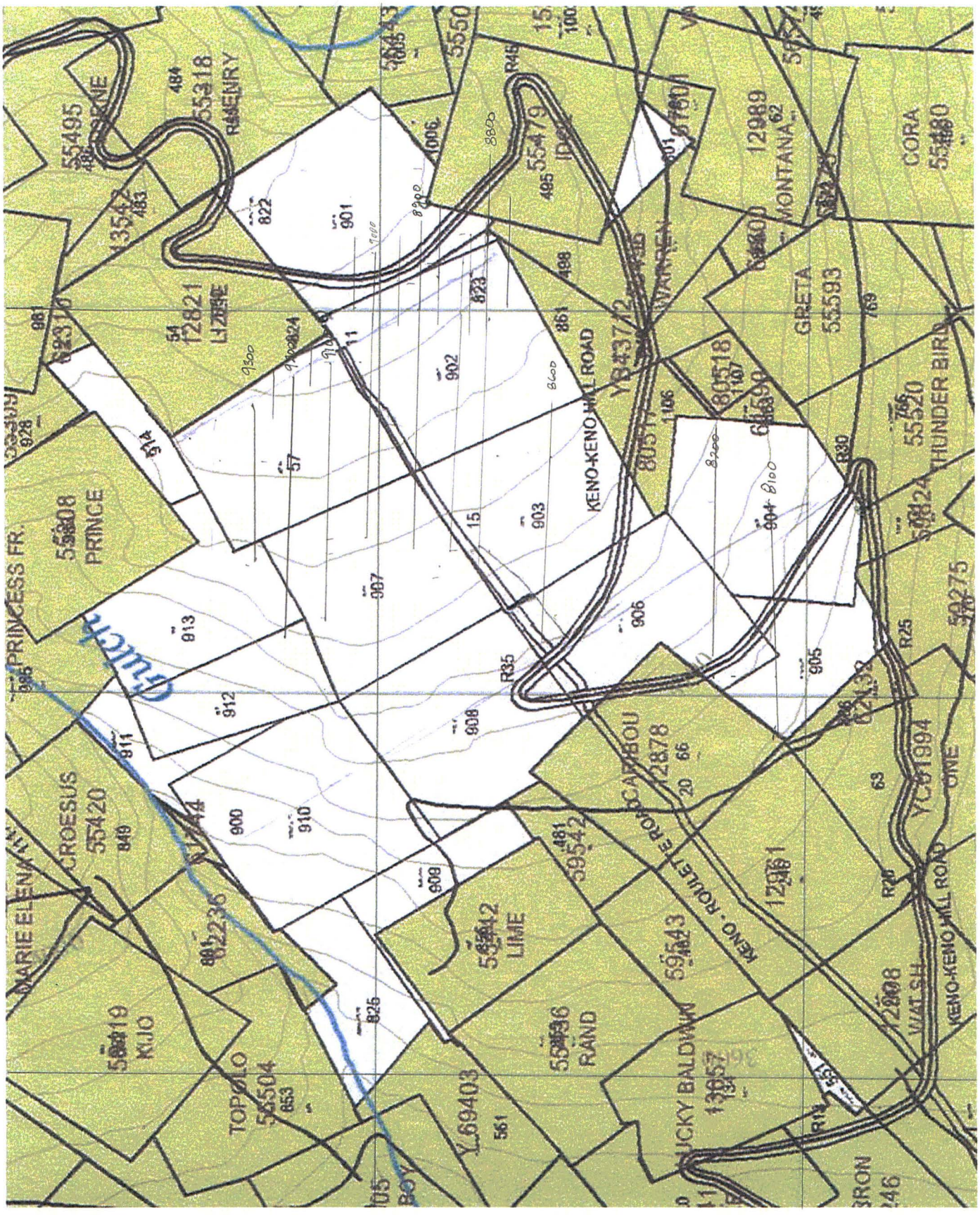
THUNDER BIRD
CORA
WAT SH
ONE
APEX SHAFT
IDOL
WARREN
HENRY
LIZZIE



Grid

A 500 m baseline and 4400 m of survey line were cut in the central part of the claim group, as well as 2400 meters of random "string and flag" lines established in the early

stages which were intended to locate the position of reported vein faults and thus give a starting point to the programme.
Grid locations were controlled with a modern GPS unit

Geophysical Surveys

VLF Survey

The operator utilized a Sabre model 27 VLF-EM receiver to survey the grid lines. These receivers are tuned to the powerful military transmitters used by the submarine service of many country's, and are a very cost effective tool for discovering subsurface features

The VLF method is a passive method, requiring only a receiver, and is flexible and independent from many of the operational headaches associated with more expensive methods. As applies to exploration, the method detects resistivity contrasts, from poor conductors such as horizontal beds, to solid metallic conductors such as metallic sulphide veins. Simply put, the horizontal ground wave from the transmitter is disturbed as it passes over a local feature which causes a secondary field to introduce a phase shift and the field becomes polarized. The receiver detects this as a change in the tilt angle of the resultant field and these changes are recorded as dip angles in degrees, and plotted on graph paper as profiles or contours.

Since the anomalies expected on the Dirkeno Group are from small sulphide veins, the station interval of 10 meters was chosen over the more common 25 meter spacing since the wider station interval enhances geological structure rather than sulphide lenses.

Generally, the data can be plotted directly, but often, due to the nature of the terrain being surveyed, various factors such as the effect of surficial conduction, slope of the ground, resistivity of the host medium, etc, cause changes in dip angles, and it is desirable to remove these to more clearly define the anomaly, It is normal to treat the data to a filter, such as the Fraser Filter method, which contains a discrete first derivative. Essentially, the filter [x=(c+d)-(a+b)] enhances anomalies with widths equal to or less than the filtered intervals, transforming the "crossover" point where, ideally, the tilt angle changes sign, into positive peaks. This facilitates the contouring of the data, enormously.

Magnetics

The magnetic field was very disturbed during the work period, and after several attempts, the completion of the magnetic survey was postponed.
The writer used a Sharpe MF1 fluxgate magnetometer which reads the vertical component of the earth's magnetic field The instrument is carried by the operator and while it is held steady over the sample station, the strength of the magnetic field is read from the analogue meter on the instrument. This instrument has a sensitivity of 10 gammas, but under ideal conditions an experienced operator can approximate a 5 gamma resolution. Time between successive readings, time to complete a line or pair of lines is recorded along with the intensity of the vertical magnetic field, and the difference in magnetic readings are calculated. These data are used to determine the amount of drift over time, or diurnal changes, in the magnetic field. Corrected data can then be plotted in the usual manner.
A plot of the corrected magnetic values is included in the body of this report.

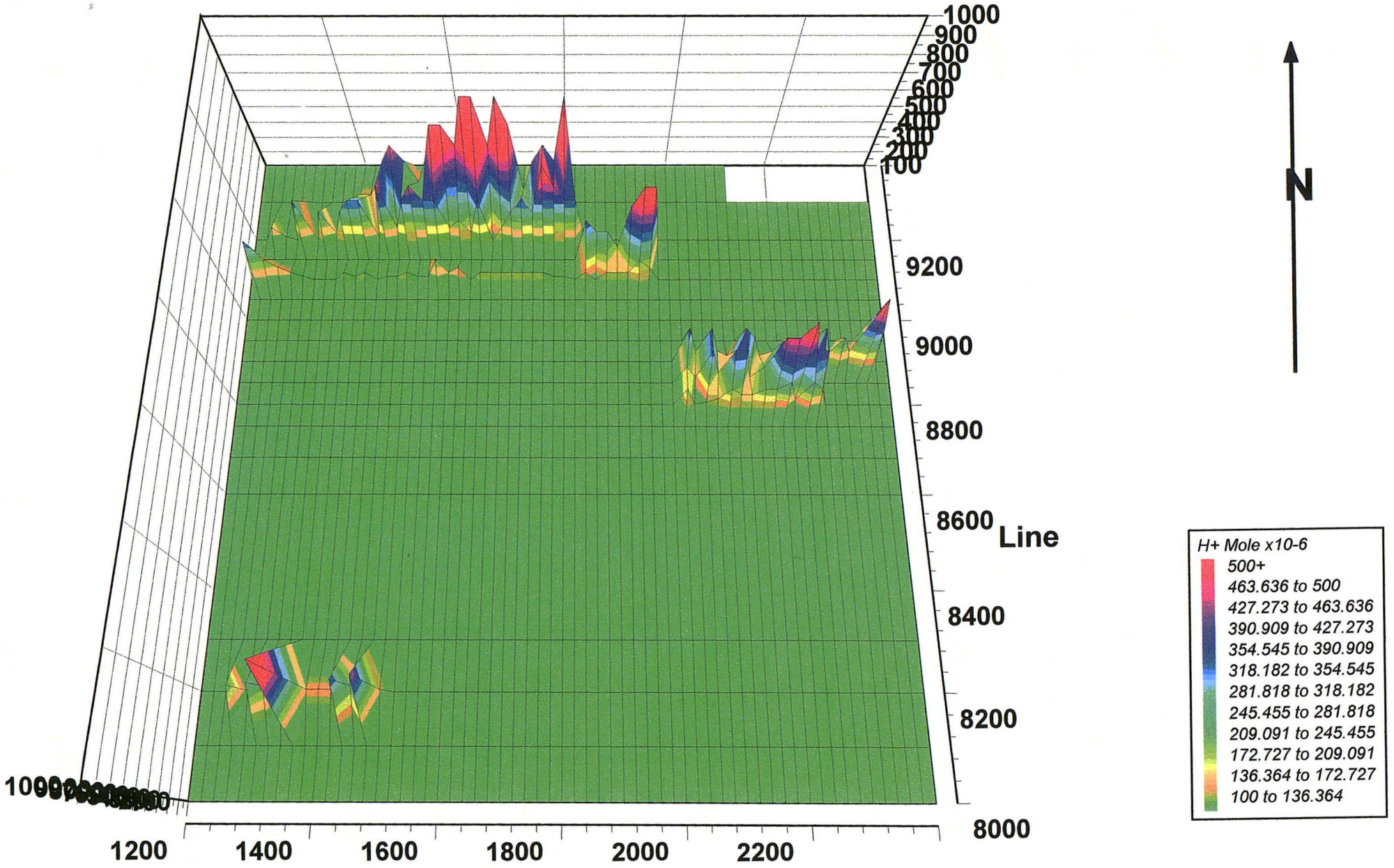
Geochemical Soil Sampling

Most of the claim group is covered with enough till to support a soil sampling program. Some problems in collecting good material arise from the areas covered with boulders and talus where either the depth of the boulder field prevents discovering any soil or, what soil is there is highly organic. The claim was glaciated, being just below the limit of glaciation of the McConnell glaciers, 12000 to 25000 years ago.

168 soil samples were collected along selected lines where geophysical anomalies were the strongest.

Soils were collected using a mattock, with which a cavity was dug to below the organic layer. A .5 kg sample was collected and placed in a Kraft paper soil bag of the standard type used in the mining industry. The grid coordinates were marked on each soil bag. The samples were air dried, sieved to -20 mesh, and packed for shipment. Samples were sent to ALS Chemex in Vancouver for analysis by the ICP61 method, a 4 acid near total digestion process. Results are given for 27 elements. The main suite of elements of interest in the search for Keno type lead-silver veins are, As, Sb, Pb, Zn, Cu, Mn and Fe. Other elements that showed elevated values coincident with Ag are Ba and Be while Ca and Mn showed low values at sample sites with anomalous Ag.

Most of the samples were tested for pH in the field. A 5 ml sample of sieved soil was dissolved in 50 ml of distilled water, and agitated for 2 minutes. A digital, temperature compensated pH meter was then used to test the solution to a resolution of 0.1 pH unit.pH values ranged from 621 to 5.1.



Hydrogen Ion Mole, Dirkeno Group

Since the bulk of these samples were taken in one area of the claims, it represents only this specific part of the property.

Results

Geochemical results must be interpreted with the understanding that soil geochemistry on Keno Hill is not always straight forward. Glacial scouring, soil creep, and permafrost can displace an anomaly down hill, or mask it entirely.

pH testing reacts very well in these circumstances and can indicate blind deposits in otherwise difficult situations.

pH values on the property ranged from 5.1 to 6.2 pH units, with an average background of 5.5 for the suite of samples tested. Anomalous samples are in the range of 5.2 and 5.1 or lower.

Anomalous pH is found coincident with VLF-EM and Ag anomalies on lines 8200N, 8850N, 9150N and 9200 and 9300N. The pH lows are broad, in the order of 50 meters or so, and in places are associated with areas of plant stress, (called "kill zones" by some) a characteristic of which is the presence of anomalous arsenic and silver.

Several wide Ag anomalies were found on lines 9100 N, 9150 N, 9200N and 9300N. More sampling is needed to determine if these anomalies are wide, or are following the strike of the source, which seems likely due to the orientation of the main longitudinal faults.

Barium is anomalous with Ag and Zn. Lead is generally not anomalous, as is to be expected from a buried non mobile element. Ca and Mn lows occur over elevated pH and Ag .

Analytical results are included in the body of this report

Summary

The purpose of the work programme was to locate the positions of the #6, Comstock-Porcupine and Hogan vein faults on the Dirkeno claim Group and by extension, any high grade sulphide veins associated with the faults. The work programme was successful in locating a moderate VLF-EM, pH and Ag anomaly of the survey lines, and these anomalies is open ended. The anomalies are of small extent, have not yet been connected spatially to the axis of any extension of the known vein faults, and therefore are suspected of being electrically active portions of transverse vein faults, which normally trend north to northeast, and are considered important as locations of high grade silver lead veins.

These anomalies are located at the north half of the claim group, near the projected axis of the #6 vein fault, where most of the work has been done, the eastern side of the grid where a small anomaly is located in line8850 east of BL 2000, and on lines 8200 1nd 8100 in the south end of the claims.Since these aras are covered with overburden, the favourable combination of blocky quartzite, greenstone and schist has not yet been identified at theses locations, though one isolated sericite schist outcrop in the area exhibits manganese stain similar to that found on outcrop adjacent to the silver anomaly on the 43 claim.

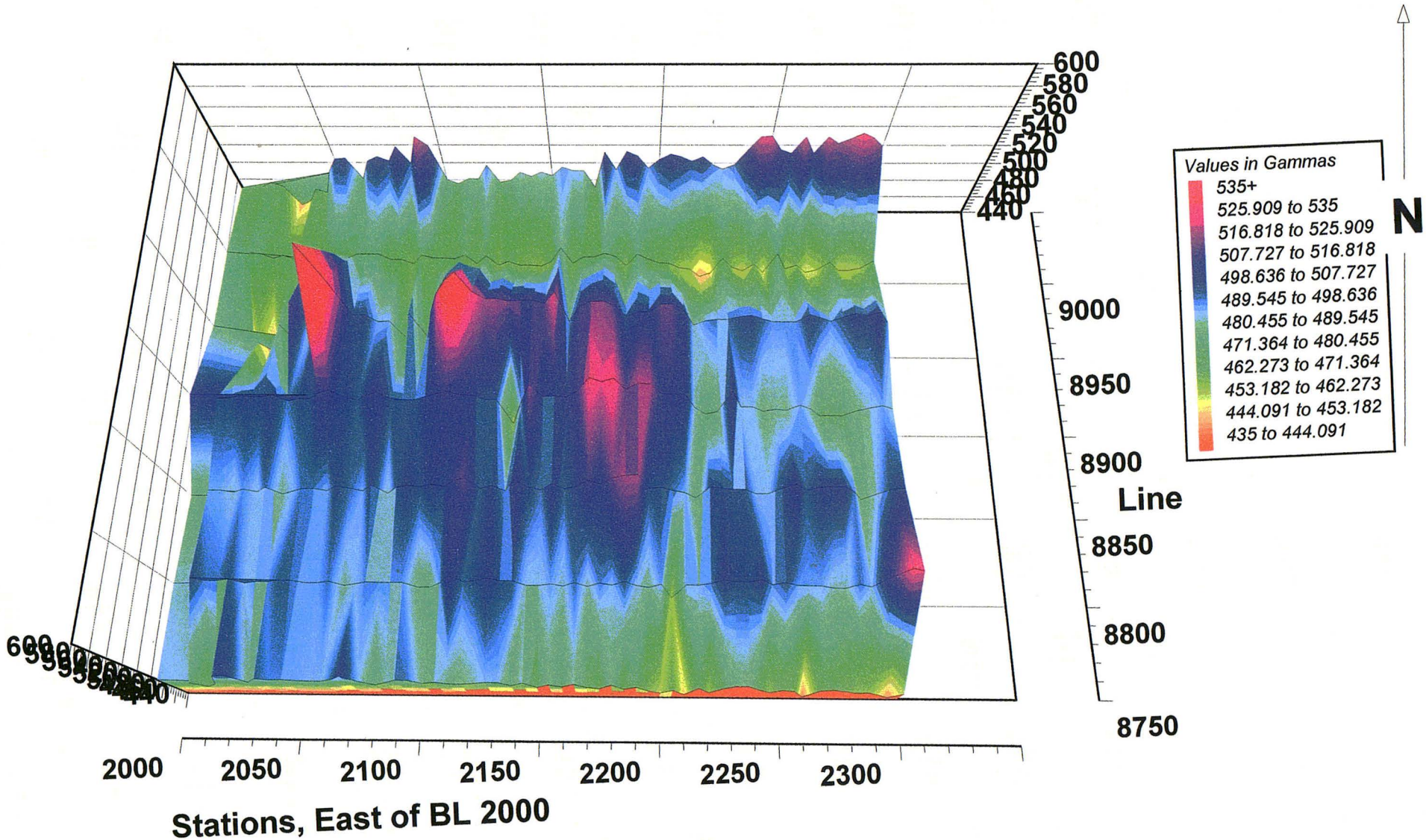
Conclusions and Recommendations.

The VLF anomaly found at the north end of the claim group was located on east west survey lines and is broad enough that the author feels that the project may benefit from a grid re-orientation to place it more at right angles to the anomaly. At these locations, conductive overburden and permafrost will affect the survey. VLF anomalies will be discrete, and filtering is often needed to enhance the crossovers. Attention needs to be given to the weak positive lows in the raw data.

Given that the targets are quite small in size, usually a few centimetres to less than a meter thick, and not very long, the average, from the literature, being around 15 m in length, a line separation of 25 m should be used in future surveys.
Stations for VLF can be standardized at 15 meters, as this is suggested by D.C. Fraser to be the optimum for small sulphide occurrences, given the wavelength of the typical sulphide anomaly. As well, overburden is deep enough so that a spacing of less than 15 meters shows a flat response and only surficial anomalies. A magnetic survey should be carried out on this new grid since the magnetic field should not be affected by surface water and clay layers. The purpose is to both identify structure and outline buried favourable greenstones which are associated with mineralization . Close spaced lines and tight station intervals are mandatory for this type of exploration

pH appears to be a reliable method of discovering buried sulphides, and is an inexpensive exploration tool. Soil sampling the entire property should be a major focus of future exploration, and pH testing can be done in the field, Sample locations can be controlled with GPS instead of formal line cutting. Dried and sieved samples can later be sent in for analysis. Currently there is not a large enough data base to make maps with but the results so far obtained show a coincidence of low pH values with Ag geochem highs, at least in some of the cases.

Grid cutting and sampling should be completed over the entire property, especially around the anomalous area at 8200N.



Magnetometer survey over eastern portion of Dirkeno Grid

Raw magnetic data, Eastern portion of Dirkeno grid

station	Line 8750	8800	8850	8900	8950	9000	9050
2000	160	135	190	190	250	240	225
2005	150	145	190	190	215	230	275
2010	150	150	200	185	210	240	255
2015	140	145	200	185	225	240	260
2020	170	145	195	190	210	235	255
2025	180	150	200	190	225	240	230
2030	185	140	195	190	250	235	265
2035	160	145	195	195	210	240	250
2040	175	145	190	185	280	250	245
2045	170	150	195	190	250	240	270
2050	175	150	200	190	260	240	285
2055	170	145	200	200	250	240	285
2060	170	145	195	205	310	245	270
2065	170	150	205	195	260	245	280
2070	175	140	200	190	260	250	285
2075	190	145	195	200	250	240	280
2080	175	150	205	205	250	240	295
2085	160	150	190	195	225	235	275
2090	170	150	200	195	260	250	305
2095	180	150	205	195	226	245	295
2100	180	140	200	200	260	245	255
2105	170	140	205	205	250	250	250
2110	175	155	200	210	300	250	255
2115	170	170	210	205	310	240	255
2120	170	155	215	205	275	250	255
2125	175	160	195	200	275	240	250
2130	170	165	200	200	295	245	250
2135	180	160	190	190	270	240	260
2140	170	160	210	195	270	240	250
2145	180	150	205	225	270	240	260
2150	165	150	190	210	265	245	255
2155	175	155	200	210	280	260	260
2160	170	150	190	210	240	250	255
2165	180	160	195	220	260	255	265
2170	170	150	205	240	265	255	264
2175	165	160	200	235	260	260	260
2180	180	155	210	240	245	245	240
2185	165	165	215	235	250	245	280
2190	175	155	215	235	250	260	260
2195	160	155	190	280	260	255	280
2200	155	160	190	270	260	250	275
2205	165	165	185	270	250	245	260
2210	150	160	180	220	235	240	270
2215	175	160	170	200	235	245	275
2220	160	165	190	190	235	235	270
2225	175	175	185	195	235	240	265
2230	185	170	185	275	240	260	270
2235	185	170	185	370	240	250	260
2240	175	175	175	255	235	245	255
2245	165	176	175	200	230	255	260

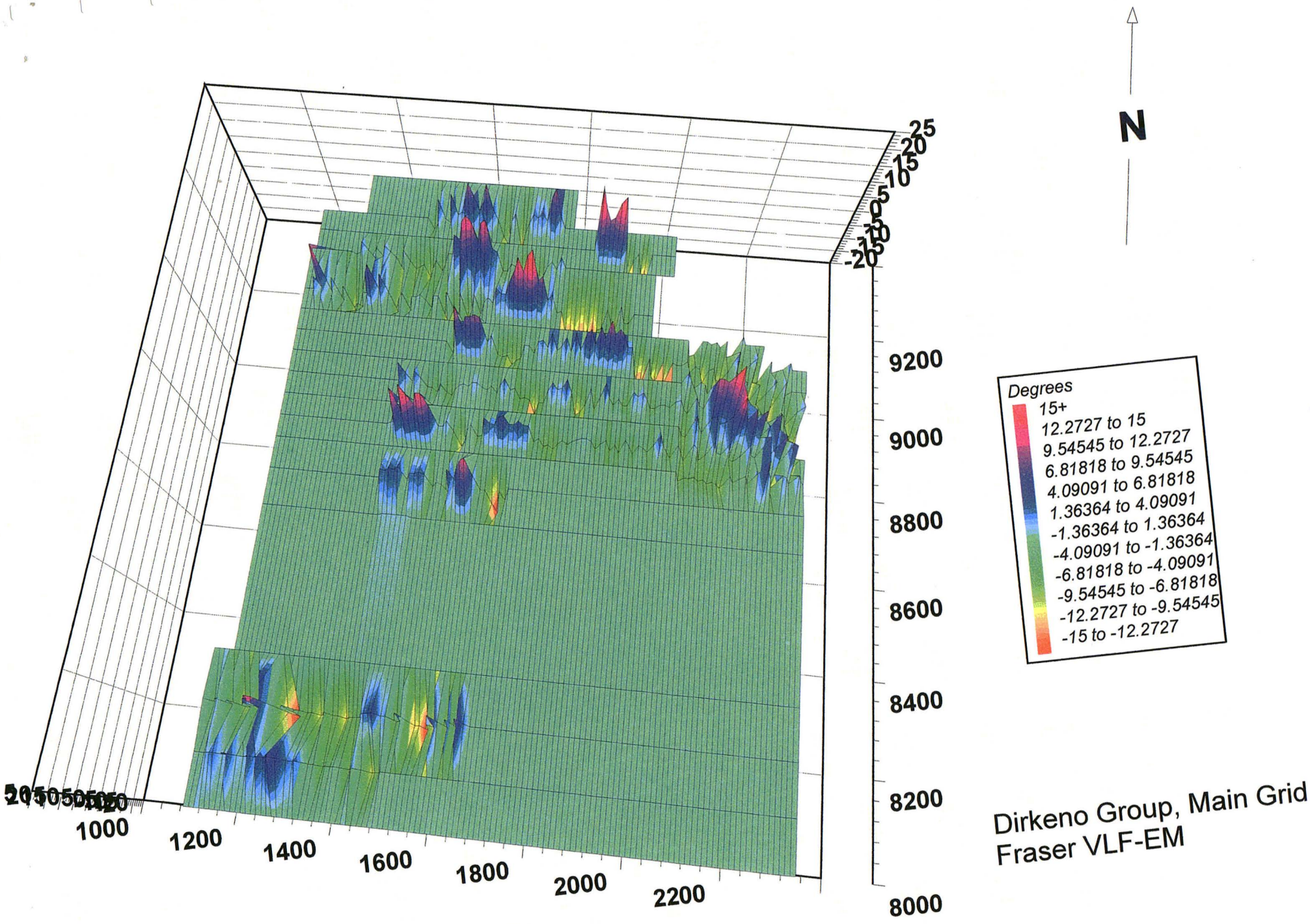
2250	175	170	185	200	230	245	275
2255	170	165	190	200	230	250	290
2260	150	165	180	210	240	250	290
2265	175	165	185	205	235	255	275
2270	180	160	185	195	235	245	270
2275	175	160	185	195	230	250	285
2280	170	170	175	195	235	260	280
2285	170	165	160	205	245	250	285
2290	165	190	170	210	235	250	290
2295	155	210	180	215	240	255	285
2300	170	205	180	210	225	265	275
		205	160	200			
		195	175	210			
				210			

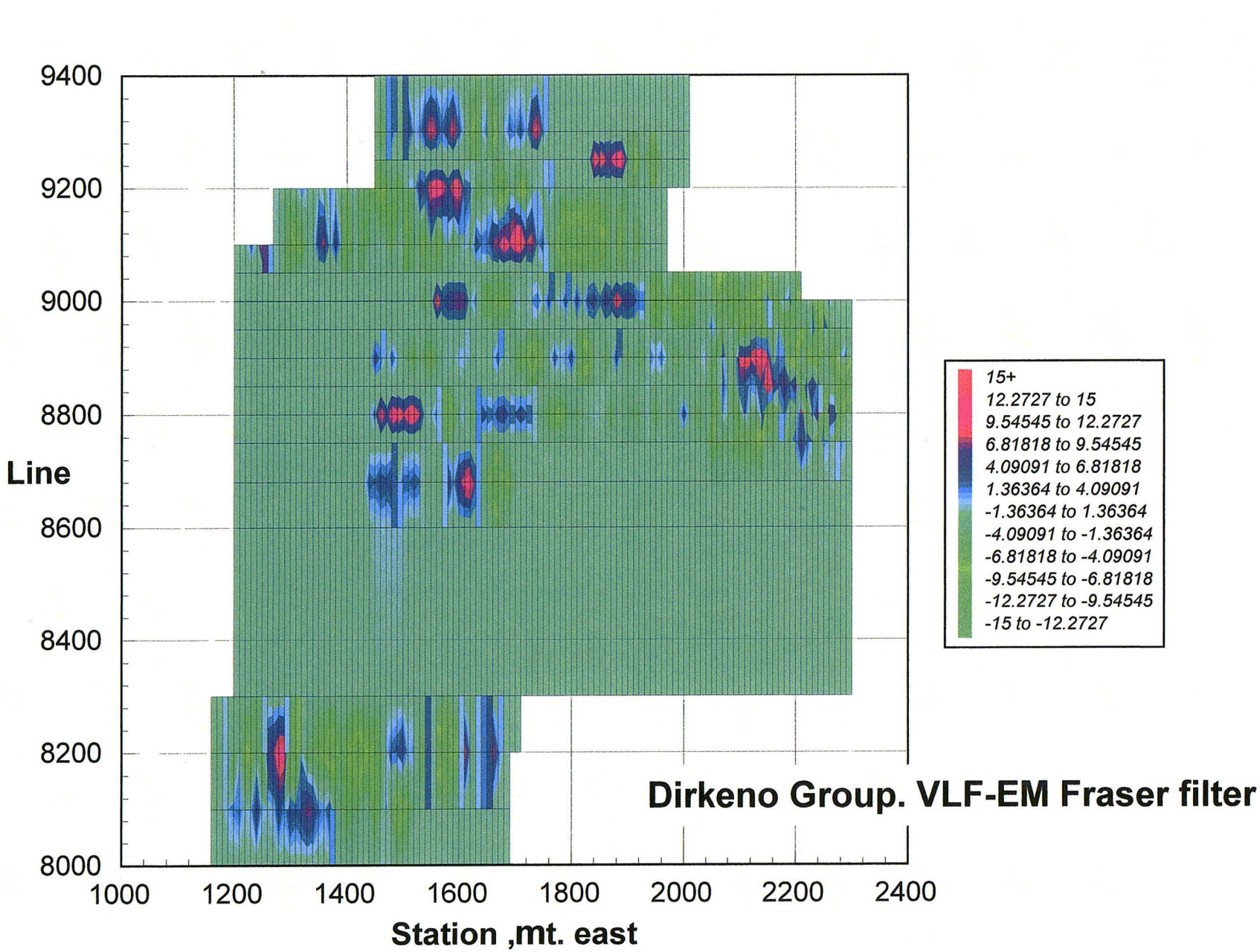
Baseline readings	1st pass	2nd pass	
9100	465	496	30g/18 minutes
9050	470	495	
9000	475	490	
8950	490	505	
8900	495	507	
8850	490	508	
8800	500	505	
8750	505		

Recorded diurnals

Loop	
9050	65g/57min
9000	
8950	75g/62min
8900	
8850	60g/65min
8800	
8750	50g/40min

Base line 30g/18 min


N
Degrees
15+
12.2727 to 15
9.54545 to 12.2727
6.81818 to 9.54545
4.09091 to 6.81818
1.36364 to 4.09091
-1.36364 to 1.36364
-4.09091 to -1.36364
-6.81818 to -4.09091
-9.54545 to -6.81818
-12.2727 to -9.54545
-15 to -12.2727
25
20
15
10
5
-20
9200
9000
8800
8600
8400
8200
8000
1000
1200
1400
1600
1800
2000
2200
Dirkeno Group, Main Grid
Fraser VLF-EM


9400
9200
9000
8800
8600
8400
8200
8000
Line
1000
1200
1400
1600
1800
2000
2200
2400
Station ,mt. east
N
15+
12.2727 to 15
9.54545 to 12.2727
6.81818 to 9.54545
4.09091 to 6.81818
1.36364 to 4.09091
-1.36364 to 1.36364
-4.09091 to -1.36364
-6.81818 to -4.09091
-9.54545 to -6.81818
-12.2727 to -9.54545
-15 to -12.2727
Dirkeno Group. VLF-EM Fraser filter

	A	B	C	D	E	F	G	H	I	J	K
1	Raw VLF_EM dip angle data Dirkeno grid, 2005										
2											
3		8100	8200	8750	8800	8850	8900	8925	8950	9000	9050
4	station										
5	1150										
6	1160	-13	-4								
7	1170	-11	-3								
8	1180	-13	-4								
9	1190	-10	-7								
10	1200	-10	-5								
11	1210	-11	-6								
12	1220	-13	-6								
13	1230	-11	-5								
14	1240	-12	-7								
15	1250	-9	-4								
16	1260	-13	-6								
17	1270	-9	-4								
18	1280	-9	-6								
19	1290	-10	-9								
20	1300	-9	-7								
21	1310	-10	-11								
22	1320	-12	-6								
23	1330	-9	-3								
24	1340	-9	-5								
25	1350	-10	-1								
26	1360	-8	1								
27	1370	-8	2								
28	1380	-7	1								
29	1390	-6	1		-10						
30	1400	-5	-2		-11		-9				
31	1410	-6	-3		-11		-4				
32	1420	-4	-4		-13		-5				
33	1430	-4	-4		-12		-7				
34	1440	-7	-5		-14		-6				
35	1450	-7	-1		-12		-4				

	A	B	C	D	E	F	G	H	I	J	K
36	1460	-9	-5		-13		-4				
37	1470	-6	-6		-11		-5				
38	1480	-7	-7		-9		-3				
39	1490	-8	-7		-7		-3				
40	1500	-7	-8		-7		-3			-8	
41	1510	-6	-8		-7		-3			-10	
42	1520	-7	-8		-1		-6			-13	
43	1530	-5	-9		-1		-4			-9	
44	1540	-7	-5		-4		-4			-13	
45	1550	-1	-8		-3		-3			-13	
46	1560	-7	-3		-1		-6			-13	
47	1570	-7	-6		-1		-6			-11	
48	1580	-11	-4		-4		-6			-6	
49	1590	-12	-7		-6		-5			-9	
50	1600	-11	-5		-6		-5			-10	
51	1610		-9		-1		-5			-5	
52	1620		-10		-5		-3			-6	
53	1630		-9		-5		-4			-3	
54	1640		-13		-6		-4			-5	
55	1650		-10		-5		-7			-4	
56	1660		-11		-5		-7			-7	
57	1670		-16		-1		-5			-5	
58	1680		-11		-3		-1			-7	
59	1690		-12		-1		-4			-10	
60	1700		-12		-2		-4			-12	
61	1710		-10		0		-4			-11	
62	1720		-11		0		-7			-14	
63	1730		-9		1		-6			-12	
64	1740		-8		3		-8			-12	
65	1750		-8		1		-7			-10	
66	1760		-8		1		-9			-7	
67	1770				-1		-8			-9	
68	1780				-3		-9			-6	
69	1790				-1		-7			-9	
70	1800				-1		-3			-7	

	A	B	C	D	E	F	G	H	I	J	K
71	1810				0		0			-8	
72	1820				-3		-6			-7	
73	1830				0		-1			-6	
74	1840				-1		-9			-5	
75	1850				0		-11			-8	
76	1860				-1		-8			-3	
77	1870				-2		-8			-9	
78	1880				-3		-6			-6	
79	1890				-1		-7			-4	
80	1900				-3		-7			-3	
81	1910				-4		-8			-3	
82	1920				-1		-10			-1	
83	1930				-1		-11			1	
84	1940				-3		-9			2	
85	1950				-2		-8			3	
86	1960				-3		-7			1	
87	1970				-2		-6			0	
88	1980				-1		-5			0	
89	1990				0		-8			1	
90	2000			-2	-6	-7	-10		-3	-5	-1
91	2010			-3	-6	-9	-9		-3	-3	-1
92	2020			-3	-5	-8	-9		-3	-7	5
93	2030			-4	-8	-8	-8		1	-3	-7
94	2040			-4	-8	-5	-7		-3	-2	-9
95	2050			-3	-8	-8	-7		-2	-3	-9
96	2060			-5	-4	-7	-9		-1	-4	-8
97	2070			-6	-8	-7	-9		-3	-3	-7
98	2080			-3	-8	-4	-9		-2	-5	7
99	2090			-6	-8	-8	-7		-1	-5	-7
100	2100			-5	-19	-6	-9		-2	-7	-9
101	2110			-6	-7	-6	-11		-5	-7	-7
102	2120			-6	-7	-6	-6		-3	-5	-8
103	2130			-7	-10	-8	-7		-4	-11	-8
104	2140			-4	-7	-5	-6		-3	-9	-9
105	2150			-8	-4	-3	-3	-6	-7	-6	-9

	A	B	C	D	E	F	G	H	I	J	K
106	2160			-9	-9	-2	-2	-9	-3	-6	-7
107	2170			-9	-9	-1	-2	-5	-3	-11	-7
108	2180			-9	-9	4	-1	-9	-2	-7	-13
109	2190			-10	-6	0	1	-8	-4	-6	-11
110	2200			1	-9	0	-3	-2	-5	-8	-7
111	2210			-8	-9	1	-2	-12	-5	-9	-11
112	2220			-7	-5	-1	-1	-9	-6	-10	-8
113	2230			-11	-5	0	-2	-13	-8	-8	-9
114	2240			-12	-7	3	-3	-6	-6	-11	-10
115	2250			-9	-5	1	-2	1	-8	-9	-11
116	2260			-9	-3	3	-4	-5	-4	-8	-9
117	2270			-7	-5	4	-3	-5	-5	-7	-8
118	2280			-7	-2	3	-4	-1	-8	-8	-9
119	2290			-8	0	4	-6	-4	-7	-8	-8
120	2300			-8	-2	2	-2	-6	-8	-10	0
121	2310			-7	-1	-4	-5				
122	2320			-11	-1	-2	-6				
123	2330			-9	-2	-3	-3				
124	2340			-5	-3	-4	-3				
125	2350			-5	-5	-3	-1				
126	2360			-7	-3	-1	-2				
127	2370			-8	-7		2				
128	2380			-5	-3		-1				
129	2390			-7	1						
130	2400			-9	1						
131	2410			-6							

	L	M	N	O
1				
2				
3	9100	9200		9300
4				
5	-9			
6	-9			
7	-9			
8	-10			
9	-7			
10	-6			
11	-8			
12	-11			
13	-5			
14	-11	-11		
15	-9	-11		
16	-11	-13		
17	-13	-9		
18	-9	-10		
19	-13	-10		
20	-10	-10		
21	-16	-13		
22	-11	-10		
23	-9	-12		
24	-7	-11		
25	-4	-11		
26	-6	-12		
27	-8	-9		
28	-9	-8		
29	-9	-10		
30	-9	-10		-7
31	-5	-11		-7
32	-11	-14		-6
33	-9	-11		-8
34	-7	-11		-7
35	-10	-11		-11

	L	M	N	O
36	-8	13		-5
37	-7	12		-10
38	-9	13		-2
39	-9	14		-11
40	-9	13		-10
41	-9	12		-9
42	-11	16		-10
43	-9	12		-9
44	-14	15		-8
45	-11	13		-9
46	-12	12		-6
47	-14	11		-4
48	-12	9		-5
49	-14	12		-7
50	-13	10		-9
51	-13	-4		-3
52	-11	-7		-4
53	-11	-9		-7
54	-12	-8		-5
55	-15	-6		-7
56	-10	-7		-4
57	-9	-9		-8
58	-7	-7		-10
59	-5	-9		-8
60	-3	-7		-8
61	-1	-11		-8
62	-3	-11		-9
63	1	-12		-5
64	-1	-11		-3
65	-2	-9	-7	-3
66	-1	-11	-5	-3
67	-4	-7	-5	-5
68	-1	-7	-5	-3
69	-3	-9	-5	-3
70	-4	-8	-8	-3

	L	M	N	O
71	-5	-10	-7	-4
72	-7	-11	-5	
73	-9	-7	-1	
74	-10	-7	2	
75	-9	-9	-2	
76	-7	-11	-6	
77	-12	-10	1	
78	-10	-11	7	
79	-14	-6	5	
80	-11	-9	5	
81	-10		4	
82	-12		2	
83	-10		3	
84	-12		3	
85	-13		1	
86	-16		-3	
87			-3	
88			-4	
89			-4	
90			-5	
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To: DIRK MORAAL EXPL.
BOX 75
TAGISH YT Y0B 1T0

Finalized Date: 3-OCT-2005
Account: DIRMOR

CERTIFICATE OF ANALYSIS VA05080130

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%
	LOR	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
43001 DL		0.06	<0.5	5.29	21	840	1.1	<2	1.02	<0.5	10	68	20	2.86	1.14	0.61
43002 DL		0.10	<0.5	5.47	20	840	1.2	<2	0.92	<0.5	10	80	19	3.35	1.18	0.66
43003 DL		0.10	<0.5	5.76	16	940	1.3	<2	0.87	<0.5	7	81	22	3.51	1.26	0.59
43004 DL		0.06	<0.5	5.31	13	710	1.0	<2	0.68	<0.5	6	84	22	3.37	1.04	0.51
43005 DL		0.08	0.9	6.03	38	1050	1.6	<2	0.56	0.6	16	99	28	3.49	1.49	0.43
43006 DL		0.06	0.6	7.98	33	>10000	2.3	<2	0.26	0.5	16	99	60	3.60	2.05	0.86
43007 DL		0.06	0.6	6.57	31	3380	1.8	<2	0.61	0.6	12	97	52	3.64	1.71	0.72
43008 DL		0.06	0.5	7.76	38	7930	2.1	<2	0.29	1.0	5	125	25	3.26	2.11	0.49
43009 DL		0.06	0.6	6.89	17	2590	1.9	<2	0.38	0.7	13	91	43	4.02	1.85	0.71
82-1250		0.08	<0.5	6.49	18	1120	1.3	<2	0.70	<0.5	6	78	20	3.34	1.39	0.70
82-1270		0.08	<0.5	5.89	24	960	1.2	<2	0.60	<0.5	8	68	19	3.13	1.21	0.52
82-1290		0.08	0.5	5.37	20	870	1.1	<2	0.63	<0.5	3	63	14	2.42	1.19	0.43
82-1310		0.12	<0.5	5.78	6	950	1.1	<2	0.80	0.5	5	66	16	2.78	1.28	0.61
82-1330		0.08	0.8	5.89	28	950	1.2	<2	0.63	0.6	16	76	14	4.00	1.33	0.58
82-1350		0.08	<0.5	6.45	20	1030	1.2	<2	0.79	<0.5	4	72	15	3.10	1.41	0.71
82-1370		0.16	1.0	5.82	32	870	1.0	<2	0.77	<0.5	7	65	11	3.06	1.13	0.56
82-1390		0.12	0.5	6.90	29	1030	1.4	<2	0.75	<0.5	11	82	22	4.10	1.37	0.78
82-1410		0.08	<0.5	5.98	21	930	1.2	<2	0.78	0.5	5	67	19	3.04	1.22	0.67
82-1430		0.10	<0.5	6.20	37	1010	1.2	<2	0.74	0.5	5	72	15	3.01	1.30	0.66
82-1450		0.12	<0.5	6.00	36	890	1.2	<2	0.79	0.8	8	68	14	3.61	1.20	0.70
82-1470		0.10	<0.5	5.73	48	910	1.1	<2	0.70	<0.5	8	65	19	3.02	1.17	0.61
82-1490		0.08	1.0	6.29	32	1050	1.3	2	0.70	<0.5	9	69	24	3.42	1.27	0.69
82-1510		0.08	0.6	5.89	50	930	1.2	<2	0.66	<0.5	7	64	15	3.90	1.26	0.59
82-1530		0.08	0.9	5.97	29	970	1.2	<2	0.72	0.6	4	71	18	3.11	1.31	0.62
82-1550		0.16	0.5	5.67	26	920	1.1	<2	0.71	<0.5	5	66	18	2.80	1.24	0.62
82-1570		0.14	0.8	6.16	37	990	1.3	<2	0.72	<0.5	11	71	22	3.56	1.29	0.66
82-1590		0.06	0.7	5.86	23	960	1.1	<2	0.68	0.6	5	71	20	3.08	1.29	0.65
82-1610		0.08	0.9	5.77	22	960	1.2	<2	0.72	<0.5	6	68	16	3.14	1.24	0.61
88-2000		0.14	<0.5	5.31	18	920	1.1	<2	0.89	<0.5	6	58	16	2.59	1.18	0.62
88-2020		0.10	<0.5	5.51	13	1040	1.1	<2	0.79	<0.5	5	65	18	2.81	1.20	0.61
88-2040		0.16	0.5	5.53	9	1020	1.2	<2	0.85	<0.5	6	62	19	2.72	1.23	0.65
88-2060		0.10	0.7	5.83	15	1110	1.2	<2	0.88	<0.5	6	66	20	2.84	1.30	0.67
88-2080		0.12	0.6	5.86	20	1070	1.2	<2	0.99	0.8	7	61	23	2.70	1.31	0.68
88-2100		0.14	0.5	5.26	8	870	1.1	<2	0.95	<0.5	5	50	20	2.38	1.17	0.60
88-2120		0.14	0.6	5.50	20	1040	1.1	<2	0.88	<0.5	4	59	20	2.54	1.23	0.60
88-2140		0.08	0.7	5.80	19	1280	1.2	<2	0.73	0.9	5	67	22	2.73	1.32	0.59
88-2160		0.10	0.5	5.84	17	1270	1.2	<2	0.72	<0.5	5	69	20	2.74	1.32	0.61
88-2180		0.14	<0.5	5.35	11	1100	1.1	<2	0.77	<0.5	7	60	17	2.39	1.19	0.56
88-2200		0.10	<0.5	6.12	28	1560	1.3	<2	0.59	<0.5	7	82	20	3.06	1.38	0.52
88-2220		0.08	0.5	6.11	32	1290	1.2	<2	0.73	<0.5	9	74	20	2.96	1.32	0.62

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To: DIRK MORAAL EXPL.
BOX 75
TAGISH YT Y0B 1T0

Finalized Date: 3-OCT-2005
Account: DIRMOR

CERTIFICATE OF ANALYSIS VA05080130

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn
	Units	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2
43001 DL		472	1	1.01	28	880	12	0.03	<5	190	0.39	109	<10	81
43002 DL		452	1	1.10	28	410	13	0.02	<5	176	0.42	121	<10	76
43003 DL		382	1	0.98	27	750	14	0.02	<5	189	0.44	131	10	83
43004 DL		381	2	0.77	23	1000	13	0.06	<5	134	0.46	122	10	88
43005 DL		641	2	0.63	60	1100	30	0.03	5	142	0.38	122	<10	157
43006 DL		827	5	0.68	51	900	23	0.04	<5	148	0.40	163	<10	128
43007 DL		905	3	0.82	42	1200	19	0.04	<5	161	0.42	141	<10	120
43008 DL		255	6	0.62	26	1350	21	0.05	5	163	0.52	196	10	105
43009 DL		619	9	0.73	47	1380	25	0.03	5	132	0.35	141	<10	143
82-1250		388	1	0.93	28	720	21	0.01	<5	158	0.43	147	<10	84
82-1270		479	2	0.77	21	820	19	0.02	5	136	0.43	136	<10	71
82-1290		285	1	0.81	17	860	17	0.01	5	137	0.45	125	10	47
82-1310		301	2	1.07	21	720	17	0.01	<5	174	0.40	123	<10	62
82-1330		1175	3	0.84	22	990	17	0.02	<5	136	0.42	152	<10	91
82-1350		293	1	1.07	21	590	17	0.01	<5	173	0.43	141	<10	72
82-1370		733	1	0.98	18	580	14	0.01	<5	156	0.46	128	<10	90
82-1390		616	2	1.06	31	620	18	0.02	<5	171	0.43	146	<10	95
82-1410		315	1	1.04	27	770	17	0.02	<5	167	0.38	122	<10	74
82-1430		304	2	0.97	21	590	21	0.01	<5	164	0.41	134	<10	71
82-1450		360	1	1.03	26	580	18	0.01	<5	165	0.38	121	<10	97
82-1470		399	1	0.92	22	450	17	0.01	<5	153	0.38	116	<10	74
82-1490		608	1	0.95	27	1150	20	0.02	5	157	0.38	128	<10	97
82-1510		474	2	0.89	18	580	27	0.01	<5	144	0.40	133	10	82
82-1530		340	2	0.95	21	1010	22	0.02	<5	155	0.40	131	<10	70
82-1550		278	2	0.95	24	1060	19	0.02	<5	153	0.37	119	<10	72
82-1570		775	1	0.94	24	1390	29	0.02	<5	155	0.39	129	<10	93
82-1590		327	<1	0.91	24	1260	23	0.03	<5	152	0.39	128	<10	82
82-1610		465	2	0.85	19	950	19	0.02	<5	145	0.42	124	10	70
88-2000		429	1	1.06	22	630	12	0.01	<5	173	0.35	104	10	75
88-2020		400	1	0.99	22	620	24	0.01	<5	166	0.37	112	<10	86
88-2040		399	1	1.04	26	710	24	0.01	<5	171	0.36	109	<10	88
88-2060		405	1	1.10	24	660	30	0.01	<5	182	0.37	113	<10	99
88-2080		458	2	1.21	26	620	28	0.01	<5	199	0.35	109	<10	91
88-2100		404	<1	1.19	23	610	16	0.01	<5	195	0.31	91	<10	74
88-2120		324	1	1.09	24	640	23	0.02	<5	180	0.36	106	<10	79
88-2140		334	1	0.98	23	890	35	0.02	<5	169	0.37	120	<10	94
88-2160		270	1	1.04	23	790	29	0.02	<5	174	0.37	116	10	90
88-2180		350	1	0.96	20	560	24	0.01	<5	172	0.32	101	<10	84
88-2200		463	3	0.79	23	980	34	0.03	<5	160	0.40	136	<10	102
88-2220		399	2	0.95	23	810	33	0.02	<5	179	0.39	121	<10	96

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To: DIRK MORAAL EXPL.
BOX 75
TAGISH YT Y0B 1T0

Finalized Date: 3-OCT-2005
Account: DIRMOR

CERTIFICATE OF ANALYSIS VA05080130

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%
	LOR	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
88-2240		0.16	<0.5	5.98	23	1100	1.2	<2	0.94	<0.5	10	62	26	2.88	1.28	0.66
885-2000		0.12	<0.5	6.07	23	1050	1.2	<2	0.89	<0.5	12	70	20	3.02	1.30	0.65
885-2020		0.10	<0.5	5.74	25	980	1.1	<2	0.92	<0.5	8	64	18	2.58	1.24	0.65
885-2040		0.10	<0.5	5.87	21	1110	1.2	<2	0.77	<0.5	7	68	20	2.79	1.26	0.64
885-2060		0.12	0.5	5.44	19	1080	1.1	<2	0.71	<0.5	8	61	18	2.61	1.20	0.56
885-2080		0.10	0.5	5.55	15	1040	1.1	<2	0.74	<0.5	8	59	21	2.52	1.20	0.59
885-2100		0.14	0.7	5.65	17	1140	1.1	<2	0.75	<0.5	8	62	20	2.50	1.23	0.58
885-2120		0.02	0.7	5.70	23	1150	1.2	<2	0.75	<0.5	7	63	19	2.55	1.24	0.57
885-2140		0.02	0.8	6.38	37	1400	1.3	<2	0.72	<0.5	9	74	23	3.02	1.38	0.63
885-2160		0.08	0.8	6.44	32	1500	1.2	<2	0.66	<0.5	9	75	20	2.94	1.39	0.61
885-2180		0.22	0.7	6.21	16	1360	1.2	<2	0.68	<0.5	6	71	19	2.76	1.35	0.58
885-2200		0.12	0.6	6.80	28	1660	1.5	<2	0.48	<0.5	8	88	24	3.19	1.50	0.53
885-2220		0.10	<0.5	5.93	27	1240	1.2	<2	0.70	<0.5	7	71	20	2.84	1.28	0.55
885-2240		0.10	<0.5	5.90	16	1200	1.2	<2	0.74	<0.5	7	67	19	2.87	1.26	0.63
89-2000		0.12	<0.5	5.88	24	1080	1.2	<2	0.80	<0.5	7	67	24	2.85	1.25	0.64
89-2020		0.18	<0.5	5.41	32	1020	1.2	<2	0.69	<0.5	9	61	21	2.57	1.15	0.55
89-2040		0.10	<0.5	5.77	25	1080	1.1	<2	0.73	<0.5	8	65	21	2.77	1.24	0.62
89-2060		0.20	<0.5	5.45	27	1020	1.1	<2	0.85	<0.5	10	59	23	2.53	1.17	0.60
89-2080		0.12	<0.5	6.51	42	1410	1.3	<2	0.60	<0.5	8	77	25	3.07	1.34	0.61
89-2100		0.16	0.8	5.93	27	1240	1.2	<2	0.66	<0.5	7	69	22	3.03	1.26	0.56
89-2120		0.10	0.5	5.77	36	1220	1.2	<2	0.61	<0.5	8	69	20	2.73	1.28	0.50
89-2140		0.18	0.6	5.73	33	1180	1.2	<2	0.68	<0.5	8	64	23	2.68	1.26	0.55
89-2160		0.12	0.7	5.25	22	1020	1.1	<2	0.70	<0.5	7	63	19	2.70	1.18	0.54
89-2180		0.12	0.7	5.37	23	1020	1.1	<2	0.77	<0.5	7	62	18	2.72	1.21	0.58
89-2200		0.14	<0.5	5.54	26	1100	1.2	<2	0.72	<0.5	8	65	15	2.55	1.22	0.56
89-2220		0.14	0.5	6.29	27	1360	1.3	<2	0.67	<0.5	6	77	17	2.94	1.34	0.59
89-2250		0.16	<0.5	5.18	26	1080	1.1	<2	0.66	<0.5	7	61	16	2.54	1.10	0.53
89-2270		0.14	<0.5	5.49	14	1100	1.1	<2	0.68	<0.5	9	65	16	2.85	1.16	0.57
89-2290		0.12	0.5	5.32	23	1020	1.1	<2	0.78	<0.5	8	62	20	2.74	1.12	0.58
89-2310		0.12	<0.5	5.05	23	920	1.0	<2	0.60	<0.5	7	59	17	2.49	1.04	0.46
89-2330		0.12	<0.5	5.50	21	1100	1.1	<2	0.80	<0.5	9	67	19	3.14	1.15	0.63
89-2350		0.14	<0.5	5.32	37	1100	1.1	<2	0.80	<0.5	7	63	15	2.72	1.15	0.56
915-1840		0.10	<0.5	5.95	17	2970	1.2	<2	0.83	<0.5	7	68	25	2.69	1.32	0.64
915-1860		0.10	<0.5	6.34	15	2490	1.3	<2	0.89	<0.5	10	75	33	3.03	1.36	0.76
915-1880		0.14	<0.5	6.85	11	6640	1.4	<2	0.80	<0.5	6	79	31	3.09	1.48	0.74
915-1900		0.16	0.5	6.87	16	7210	1.6	<2	0.66	<0.5	7	88	39	3.07	1.62	0.73
915-1920		0.08	0.8	7.05	12	7830	1.6	<2	0.60	<0.5	8	90	42	3.14	1.69	0.72
915-1940		0.08	1.1	7.19	38	8270	1.7	<2	0.55	<0.5	7	93	34	3.09	1.77	0.72
915-1960		0.08	<0.5	6.46	20	5750	1.4	<2	0.57	<0.5	7	92	31	3.22	1.52	0.72
92-1240		0.08	0.9	7.75	9	1880	2.0	<2	0.53	<0.5	15	120	29	3.42	1.74	0.56

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To: DIRK MORAAL EXPL.
BOX 75
TAGISH YT Y0B 1T0

Finalized Date: 3-OCT-2005
Account: DIRMOR

CERTIFICATE OF ANALYSIS VA05080130

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn
	Units	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2
88-2240		486	1	1.13	23	660	15	0.01	<5	200	0.37	113	<10	87
885-2000		661	2	1.10	27	730	25	0.02	<5	195	0.38	115	<10	93
885-2020		344	1	1.07	22	800	18	0.01	<5	187	0.36	109	<10	74
885-2040		370	1	0.99	21	720	23	0.02	<5	177	0.36	115	<10	90
885-2060		363	2	0.91	17	620	33	0.02	<5	167	0.34	105	<10	93
885-2080		321	2	0.97	22	650	31	0.01	<5	172	0.32	104	<10	89
885-2100		300	2	0.97	19	580	36	0.01	<5	175	0.33	106	<10	90
885-2120		349	1	0.99	23	630	34	0.01	<5	180	0.34	107	<10	94
885-2140		493	3	0.98	24	820	42	0.02	<5	183	0.37	125	<10	120
885-2160		358	2	0.98	24	670	33	0.02	<5	177	0.37	127	<10	114
885-2180		308	2	1.01	23	640	30	0.02	<5	179	0.36	119	<10	99
885-2200		422	3	0.77	24	1120	50	0.04	6	158	0.39	147	<10	115
885-2220		342	2	0.94	21	1060	18	0.03	<5	175	0.36	117	<10	86
885-2240		343	2	0.97	21	690	19	0.01	<5	175	0.37	114	<10	83
89-2000		361	1	0.98	22	680	14	0.01	<5	177	0.35	113	<10	80
89-2020		380	2	0.91	20	620	21	0.01	<5	164	0.33	102	<10	87
89-2040		359	1	0.97	22	680	23	0.02	<5	169	0.36	115	<10	89
89-2060		489	1	1.03	26	590	13	0.01	<5	182	0.34	103	<10	90
89-2080		360	2	0.91	22	1130	30	0.04	<5	165	0.38	132	<10	104
89-2100		474	2	0.89	22	760	41	0.02	<5	161	0.37	121	<10	110
89-2120		347	2	0.88	22	530	38	0.02	<5	165	0.37	118	<10	106
89-2140		461	2	0.93	24	540	47	0.01	<5	172	0.34	107	<10	128
89-2160		409	2	0.90	21	710	35	0.02	<5	161	0.34	105	<10	83
89-2180		401	2	0.97	16	710	32	0.02	<5	172	0.34	105	<10	84
89-2200		458	1	0.94	19	580	30	0.01	<5	170	0.33	104	<10	94
89-2220		288	2	0.94	21	760	35	0.02	<5	174	0.35	120	<10	95
89-2250		321	2	0.83	21	590	19	0.02	<5	155	0.32	100	<10	78
89-2270		370	2	0.82	20	670	13	0.02	<5	152	0.34	109	<10	77
89-2290		386	1	0.91	21	640	14	0.02	<5	169	0.34	103	<10	79
89-2310		268	1	0.80	21	940	14	0.05	<5	151	0.32	96	<10	67
89-2330		364	2	0.88	20	760	19	0.03	<5	160	0.37	116	<10	80
89-2350		299	2	0.92	24	570	10	0.01	<5	169	0.34	107	<10	67
915-1840		293	2	0.99	22	690	22	0.02	<5	184	0.36	118	<10	69
915-1860		373	3	1.12	25	780	27	0.01	<5	203	0.38	125	<10	86
915-1880		344	4	0.96	20	640	38	<0.01	<5	203	0.39	140	<10	88
915-1900		379	6	0.88	27	750	43	<0.01	<5	191	0.41	154	<10	104
915-1920		362	5	0.86	26	740	49	<0.01	<5	202	0.41	164	<10	106
915-1940		313	4	0.84	24	740	39	0.01	<5	201	0.41	170	<10	97
915-1960		324	4	0.77	27	1040	23	0.03	<5	181	0.41	161	<10	88
92-1240		762	3	0.75	44	1220	26	0.01	<5	248	0.41	154	<10	150

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BOX 75
TAGISH YT Y0B 1T0

Finalized Date: 3-OCT-2005
Account: DIRMOR

CERTIFICATE OF ANALYSIS VA05080130

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 K % 0.01	ME-ICP61 Mg % 0.01
92-1260		0.10	<0.5	5.75	12	1250	1.3	<2	0.90	<0.5	9	77	20	2.96	1.26	0.62
92-1280		0.12	0.9	7.59	11	1600	1.6	<2	0.63	<0.5	16	102	22	4.45	1.55	0.77
92-1300		0.08	1.1	6.21	18	1520	1.3	<2	0.51	<0.5	6	88	14	3.35	1.41	0.48
92-1320		0.22	<0.5	6.45	24	1580	1.4	<2	0.79	<0.5	9	85	22	3.08	1.43	0.64
92-1340		0.14	0.5	6.00	15	1400	1.3	<2	0.85	<0.5	7	71	19	2.67	1.35	0.65
92-1360		0.16	<0.5	5.40	14	1280	1.2	<2	0.86	<0.5	8	62	18	2.64	1.24	0.61
92-1380		0.14	<0.5	6.39	14	1680	1.3	<2	0.74	<0.5	8	79	20	3.06	1.37	0.65
92-1400		0.18	<0.5	5.30	24	1290	1.1	<2	0.83	<0.5	8	66	18	2.71	1.19	0.58
92-1420		0.18	<0.5	5.29	6	1140	1.2	<2	0.93	<0.5	8	62	19	2.67	1.20	0.62
92-1440		0.18	<0.5	5.98	29	1300	1.3	<2	0.96	<0.5	9	73	27	2.95	1.29	0.68
92-1460		0.06	<0.5	5.03	36	1800	1.1	<2	0.46	<0.5	7	71	15	2.83	1.29	0.36
92-1480		0.16	<0.5	5.51	30	1560	1.2	<2	0.86	<0.5	11	67	29	2.97	1.24	0.61
92-1500		0.08	<0.5	4.81	51	1820	1.0	<2	0.45	<0.5	6	68	18	3.31	1.20	0.36
92-1520		0.08	<0.5	5.91	11	1990	1.2	<2	0.85	<0.5	7	69	30	2.88	1.33	0.70
92-1540		0.14	<0.5	6.52	23	2180	1.3	<2	0.88	<0.5	9	73	41	3.18	1.46	0.78
92-1560		0.18	<0.5	6.29	15	1960	1.3	<2	0.83	<0.5	8	70	34	2.93	1.39	0.76
92-1580		0.06	0.5	6.66	14	2760	1.4	<2	0.81	<0.5	15	78	46	3.28	1.45	0.75
92-1600		0.20	<0.5	6.21	7	2250	1.3	<2	0.85	<0.5	9	69	38	2.90	1.41	0.74
92-1620		0.10	<0.5	6.27	9	3100	1.4	<2	0.63	0.5	7	86	40	2.83	1.52	0.64
92-1640		0.20	<0.5	5.91	12	1460	1.2	<2	0.85	<0.5	8	64	25	2.75	1.31	0.72
92-1660		0.14	<0.5	5.62	11	1440	1.1	<2	0.82	<0.5	6	65	21	2.67	1.25	0.66
92-1680		0.26	<0.5	5.71	12	1290	1.2	<2	0.81	<0.5	8	66	23	2.69	1.29	0.65
92-1700		0.12	0.5	5.67	13	1280	1.1	<2	0.79	<0.5	7	69	22	2.77	1.26	0.64
92-1720		0.12	0.5	6.12	<5	2120	1.2	<2	0.76	<0.5	6	76	24	2.78	1.35	0.69
92-1740		0.14	<0.5	5.73	7	2170	1.2	<2	0.76	<0.5	7	69	27	2.65	1.29	0.66
92-1760		0.14	<0.5	6.15	6	2190	1.2	<2	0.81	<0.5	6	68	31	2.87	1.31	0.71
92-1780		0.12	<0.5	5.78	<5	3170	1.3	<2	0.64	<0.5	8	68	33	2.75	1.33	0.66
92-1800		0.12	<0.5	6.65	<5	5180	1.4	<2	0.45	<0.5	10	75	56	3.14	1.54	0.74
92-1820		0.20	0.6	6.74	9	4100	1.5	<2	0.69	0.7	13	70	85	3.27	1.53	0.77
92-1840		0.18	<0.5	5.90	7	2600	1.2	<2	0.89	<0.5	7	66	39	2.74	1.34	0.64
92-1860		0.16	0.5	5.73	13	3100	1.2	<2	0.74	<0.5	8	65	48	2.76	1.30	0.63
92-1880		0.10	<0.5	6.00	21	3550	1.3	<2	0.53	<0.5	5	79	31	2.74	1.39	0.52
93-1400		0.12	<0.5	6.55	25	3230	1.4	<2	0.68	<0.5	3	79	35	3.34	1.62	0.74
93-1420		0.08	<0.5	6.94	32	3240	1.4	<2	0.87	<0.5	8	87	50	3.85	1.60	0.82
93-1440		0.10	<0.5	6.51	24	2230	1.3	<2	0.70	<0.5	4	73	26	3.37	1.52	0.72
93-1460		0.08	<0.5	5.94	23	1270	1.3	<2	0.46	<0.5	4	69	29	4.95	1.48	0.60
93-1480		0.10	<0.5	6.21	13	1080	1.3	<2	0.70	<0.5	4	73	28	3.84	1.51	0.72
93-1500		0.08	<0.5	5.97	17	960	1.2	<2	0.71	<0.5	4	69	19	3.72	1.40	0.67
93-1520		0.10	0.7	6.29	19	990	1.3	<2	0.66	<0.5	4	71	27	4.43	1.46	0.68
93-1540		0.12	<0.5	6.19	13	1080	1.2	<2	0.72	<0.5	5	70	25	3.52	1.48	0.70

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Account: DIRMOR

CERTIFICATE OF ANALYSIS VA05080130

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn
	Units	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2
92-1260		612	2	1.02	29	880	20	0.01	<5	217	0.36	110	<10	138
92-1280		1240	2	0.92	34	890	37	0.02	<5	190	0.40	151	<10	172
92-1300		324	2	0.78	15	650	46	0.02	<5	179	0.42	146	<10	93
92-1320		574	2	1.02	25	780	38	<0.01	7	218	0.41	132	<10	144
92-1340		417	2	1.10	21	610	25	<0.01	<5	209	0.38	117	<10	109
92-1360		530	2	1.08	21	660	29	<0.01	<5	208	0.36	106	<10	114
92-1380		376	2	1.02	27	570	33	0.01	<5	211	0.39	130	<10	129
92-1400		494	3	1.02	20	530	19	<0.01	<5	196	0.35	108	<10	120
92-1420		397	2	1.10	19	620	24	<0.01	<5	202	0.35	102	<10	106
92-1440		689	2	1.12	29	740	20	<0.01	<5	214	0.36	114	<10	148
92-1460		524	5	0.73	17	540	32	0.01	<5	144	0.41	144	<10	92
92-1480		735	4	1.06	25	810	22	<0.01	<5	198	0.37	112	<10	138
92-1500		447	4	0.68	20	660	22	<0.01	<5	127	0.41	146	<10	99
92-1520		475	2	1.08	24	760	26	0.01	<5	194	0.39	118	<10	114
92-1540		516	2	1.12	28	830	21	0.01	<5	202	0.41	130	<10	119
92-1560		467	2	1.10	23	900	19	0.01	<5	194	0.39	124	<10	113
92-1580		1180	4	1.06	26	870	31	0.01	<5	198	0.39	133	<10	142
92-1600		570	2	1.09	23	680	19	<0.01	<5	196	0.38	122	<10	118
92-1620		418	6	0.89	23	750	42	0.02	<5	182	0.41	146	<10	136
92-1640		382	1	1.10	20	680	25	<0.01	<5	188	0.37	112	<10	107
92-1660		380	2	1.02	19	650	26	0.01	<5	182	0.37	109	<10	103
92-1680		404	2	1.06	19	580	29	<0.01	<5	187	0.37	114	<10	116
92-1700		351	1	1.00	24	880	28	0.02	<5	182	0.38	116	<10	120
92-1720		339	2	0.96	22	1020	29	0.01	<5	183	0.39	130	<10	100
92-1740		375	3	0.95	23	660	19	<0.01	5	180	0.35	119	<10	94
92-1760		328	2	1.04	22	770	23	0.01	<5	192	0.35	117	<10	97
92-1780		387	2	0.87	21	540	26	<0.01	<5	164	0.35	120	<10	97
92-1800		457	4	0.74	32	690	27	0.01	<5	145	0.38	148	<10	122
92-1820		991	3	0.99	38	610	39	<0.01	<5	192	0.34	130	<10	148
92-1840		506	3	1.06	26	700	27	0.01	<5	195	0.35	112	<10	106
92-1860		603	2	0.93	28	660	31	0.01	<5	171	0.33	110	<10	116
92-1880		281	4	0.81	24	1070	37	0.05	<5	157	0.39	134	<10	100
93-1400		285	5	0.92	23	840	35	0.02	<5	171	0.38	138	<10	95
93-1420		506	5	1.00	28	970	29	0.02	8	185	0.42	148	<10	120
93-1440		294	5	0.96	22	830	32	0.03	<5	170	0.38	131	<10	89
93-1460		234	5	0.69	17	1020	28	0.03	6	130	0.35	126	<10	94
93-1480		250	3	0.90	20	1000	23	0.03	7	162	0.38	125	<10	87
93-1500		236	3	0.86	18	1070	21	0.02	<5	152	0.35	118	<10	68
93-1520		208	4	0.88	23	1340	28	0.04	5	164	0.34	122	10	90
93-1540		273	4	0.99	19	930	25	0.02	<5	166	0.36	118	<10	87

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To: **DIRK MORAAL EXPL.**
BOX 75
TAGISH YT Y0B 1T0

Finalized Date: 3-OCT-2005
Account: DIRMOR

CERTIFICATE OF ANALYSIS VA05080130

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%
	LOR	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
93-1560		0.10	<0.5	6.12	25	950	1.2	<2	0.77	<0.5	6	64	29	3.07	1.43	0.70
93-1580		0.10	<0.5	6.60	23	1240	1.3	<2	0.68	<0.5	5	77	29	3.43	1.54	0.73
93-1600		0.06	0.6	6.46	21	1310	1.3	<2	0.64	<0.5	4	76	23	3.00	1.49	0.70
93-1620		0.12	<0.5	6.02	24	1060	1.2	<2	0.74	<0.5	5	70	23	2.80	1.39	0.68
93-1640		0.14	<0.5	6.08	24	1130	1.2	<2	0.69	<0.5	4	71	20	2.76	1.45	0.68
93-1660		0.12	0.5	6.38	26	1180	1.3	<2	0.64	<0.5	5	74	23	3.09	1.51	0.71
93-1680		0.12	<0.5	6.37	18	1060	1.3	<2	0.69	<0.5	6	73	24	3.13	1.46	0.71
93-1700		0.12	<0.5	6.51	24	1140	1.4	<2	0.67	<0.5	6	76	24	3.50	1.58	0.74
93-1720		0.10	<0.5	7.02	41	1270	1.5	<2	0.75	<0.5	7	78	30	3.39	1.70	0.83
93-1740		0.10	0.5	5.68	10	1150	1.1	<2	0.80	<0.5	4	70	16	2.55	1.31	0.62
93-1760		0.18	0.5	5.62	<5	1240	1.1	<2	0.84	<0.5	4	63	21	2.44	1.26	0.62
93-1780		0.16	0.6	5.62	13	1200	1.1	<2	0.85	<0.5	6	60	22	2.48	1.25	0.64
93-1800		0.10	<0.5	5.64	17	1390	1.1	<2	0.66	<0.5	6	73	21	2.67	1.26	0.57

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To: DIRK MORAAL EXPL.
BOX 75
TAGISH YT Y0B 1T0

Finalized Date: 3-OCT-2005
Account: DIRMOR

CERTIFICATE OF ANALYSIS VA05080130

Sample Description	Method / Analyte / Units / LOR	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sr ppm 1	ME-ICP61 Ti % 0.01	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
93-1560		292	4	1.04	22	970	29	0.02	<5	175	0.34	111	<10	93
93-1580		296	6	0.93	22	1160	38	0.03	7	164	0.40	136	<10	98
93-1600		236	5	0.90	23	1230	35	0.04	<5	160	0.39	133	<10	90
93-1620		275	4	0.97	21	850	29	0.02	<5	171	0.37	118	<10	87
93-1640		274	4	0.94	23	790	30	0.02	6	168	0.37	123	<10	85
93-1660		343	5	0.90	23	890	34	0.02	5	164	0.38	131	<10	95
93-1680		294	4	0.93	24	930	33	0.03	<5	162	0.37	126	<10	95
93-1700		314	4	0.92	25	880	36	0.04	<5	160	0.38	138	<10	99
93-1720		392	4	1.08	28	1120	33	0.03	10	181	0.40	139	10	116
93-1740		300	2	0.97	18	870	28	0.03	<5	175	0.38	115	<10	75
93-1760		317	2	1.02	22	720	25	0.01	<5	185	0.36	107	<10	84
93-1780		357	1	1.07	21	650	27	0.01	<5	191	0.34	103	10	91
93-1800		311	2	0.87	20	970	32	0.04	<5	170	0.37	119	<10	92

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BOX 75
TAGISH YT Y0B 1T0

Finalized Date: 23-AUG-2005
Account: DIRMOR

CERTIFICATE OF ANALYSIS VA05068940

Sample Description	Method	WEI-21	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%
	LOR	0.02	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	0.01	0.01
91-1200		0.08	0.5	5.97	31	3750	1.3	<2	0.69	<0.5	8	74	43	3.17	1.46	0.70
91-1220		0.08	0.8	5.83	40	5470	1.3	<2	0.75	<0.5	5	72	38	2.98	1.40	0.67
91-1240		0.08	<0.5	5.58	29	5520	1.3	<2	0.64	<0.5	5	69	37	2.69	1.42	0.63
91-1260		0.14	<0.5	5.93	24	4740	1.2	<2	0.70	<0.5	6	70	30	2.91	1.41	0.69
91-1280		0.10	0.6	5.92	18	5480	1.2	<2	0.75	<0.5	6	69	23	2.62	1.40	0.65
91-1300		0.12	<0.5	6.10	23	2560	1.2	<2	0.74	<0.5	7	66	42	3.12	1.38	0.77
91-1320		0.14	0.5	5.74	15	2000	1.1	<2	0.82	<0.5	6	70	22	2.60	1.31	0.66
91-1340		0.12	0.7	6.14	13	1800	1.2	<2	0.90	<0.5	6	69	26	2.83	1.36	0.71
91-1360		0.10	0.8	5.95	14	1700	1.2	<2	0.82	<0.5	8	69	29	2.97	1.30	0.69
91-1380		0.14	0.6	6.00	14	1600	1.2	<2	0.86	<0.5	7	66	35	2.97	1.28	0.70
91-1400		0.14	<0.5	6.01	18	2120	1.2	<2	0.75	<0.5	6	73	27	2.99	1.34	0.65
91-1420		0.08	0.8	6.44	17	2080	1.3	<2	0.63	<0.5	6	80	31	2.88	1.44	0.61
91-1440		0.10	0.5	5.92	17	1880	1.2	<2	0.69	<0.5	4	73	15	2.43	1.36	0.58
91-1460		0.12	0.5	5.69	12	1800	1.2	<2	0.66	<0.5	4	71	20	2.56	1.34	0.58
91-1480		0.10	1.0	6.41	12	2090	1.3	<2	0.65	<0.5	6	87	31	3.06	1.46	0.58
91-1500		0.26	0.9	6.43	14	2020	1.4	<2	0.79	<0.5	9	76	44	3.24	1.46	0.64
91-1520		0.12	0.7	6.09	14	1640	1.2	<2	0.79	<0.5	6	78	27	3.06	1.38	0.65
91-1540		0.12	1.1	5.55	12	2070	1.1	<2	0.70	<0.5	5	71	27	3.00	1.24	0.57
91-1560		0.12	1.3	6.18	24	2010	1.3	<2	0.61	<0.5	7	86	32	3.93	1.38	0.55
91-1580		0.10	1.4	6.67	15	2150	1.3	<2	0.64	<0.5	6	84	28	3.22	1.50	0.63
91-1600		0.16	1.5	6.37	15	1860	1.3	<2	0.75	<0.5	4	81	24	3.00	1.43	0.64
91-1620		0.16	1.0	6.12	16	2080	1.2	<2	0.71	<0.5	6	78	16	2.81	1.42	0.62
91-1640		0.10	1.1	5.70	19	2710	1.2	<2	0.66	<0.5	5	76	25	2.80	1.35	0.55
91-1660		0.10	1.1	5.74	11	2540	1.2	<2	0.60	<0.5	5	78	17	2.53	1.38	0.53
91-1680		0.14	0.8	6.16	12	2000	1.2	<2	0.60	<0.5	5	80	28	2.60	1.42	0.57
91-1700		0.18	<0.5	6.07	14	2250	1.2	<2	0.77	<0.5	6	79	24	2.90	1.34	0.69
91-1720		0.16	<0.5	5.86	15	2200	1.2	<2	0.72	<0.5	6	72	24	2.91	1.28	0.64
91-1740		0.18	<0.5	5.80	13	1980	1.2	<2	0.75	<0.5	6	72	24	2.79	1.29	0.63
91-1760		0.10	<0.5	6.21	18	2300	1.3	<2	0.60	<0.5	5	84	22	3.01	1.40	0.61
91-1780		0.20	0.5	6.11	13	1720	1.2	<2	0.71	<0.5	5	80	21	2.96	1.32	0.63
91-1800		0.12	<0.5	5.58	15	1890	1.1	<2	0.59	<0.5	5	74	22	2.74	1.26	0.51
91-1820		0.14	<0.5	5.41	14	1540	1.1	<2	0.69	<0.5	7	69	26	2.71	1.22	0.54
91-1840		0.12	0.7	5.65	17	1600	1.2	<2	0.43	<0.5	6	84	15	3.92	1.24	0.48
91-1860		0.10	<0.5	5.18	14	2980	1.1	<2	0.43	<0.5	4	81	20	3.08	1.22	0.47
91-1880		0.10	<0.5	6.48	14	4630	1.4	<2	0.57	<0.5	4	89	20	2.85	1.53	0.60
91-1900		0.06	<0.5	6.63	17	3370	1.4	<2	0.65	<0.5	8	95	20	3.51	1.54	0.64
91-1920		0.08	<0.5	5.83	8	2900	1.2	<2	0.64	<0.5	4	77	19	2.59	1.33	0.58
91-1940		0.10	<0.5	6.06	7	2420	1.2	<2	0.69	<0.5	4	78	22	2.79	1.37	0.61
91-1960		0.14	<0.5	6.09	11	1860	1.1	<2	0.88	<0.5	5	69	22	2.88	1.30	0.68

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To: DIRK MORAAL EXPL.
BOX 75
TAGISH YT Y0B 1T0

Finalized Date: 23-AUG-2005
Account: DIRMOR

CERTIFICATE OF ANALYSIS VA05068940

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sr	Ti	V	W	Zn
	Units	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	5	1	0.01	1	10	2	0.01	5	1	0.01	1	10	2
91-1200		553	3	0.91	29	670	24	0.02	5	153	0.37	136	<10	97
91-1220		355	4	0.92	25	780	126	0.02	<5	163	0.38	132	<10	94
91-1240		330	4	0.86	22	510	24	0.01	<5	148	0.38	130	<10	80
91-1260		364	3	0.92	23	600	22	0.01	<5	162	0.39	131	<10	86
91-1280		348	4	1.02	21	530	21	0.01	<5	177	0.37	128	<10	81
91-1300		455	2	0.98	30	600	21	0.01	<5	160	0.37	123	<10	98
91-1320		308	3	1.06	22	650	22	0.01	5	178	0.37	120	<10	81
91-1340		376	2	1.14	25	740	23	0.01	<5	191	0.36	125	<10	95
91-1360		441	3	1.04	28	750	27	0.01	<5	178	0.38	126	<10	101
91-1380		442	3	1.10	29	680	25	0.01	<5	186	0.37	119	<10	105
91-1400		345	5	0.99	27	580	27	0.01	<5	180	0.35	130	<10	102
91-1420		377	5	1.01	26	550	32	0.01	<5	189	0.37	144	<10	112
91-1440		269	5	1.02	20	520	23	0.01	<5	186	0.37	130	<10	83
91-1460		281	6	1.00	24	480	26	0.01	5	180	0.35	127	<10	93
91-1480		293	7	0.95	25	740	44	0.02	<5	186	0.38	144	<10	105
91-1500		571	8	1.11	38	670	40	0.01	<5	204	0.34	135	<10	166
91-1520		386	4	1.07	26	650	44	0.01	<5	194	0.36	127	<10	113
91-1540		376	5	0.89	22	720	60	0.02	<5	168	0.34	117	<10	115
91-1560		425	5	0.83	25	990	71	0.03	5	172	0.40	150	<10	120
91-1580		290	6	1.00	25	810	90	0.03	6	178	0.38	146	<10	125
91-1600		303	3	1.03	21	810	80	0.02	<5	187	0.37	132	<10	110
91-1620		336	3	0.90	19	670	76	0.01	<5	159	0.35	136	<10	76
91-1640		318	4	0.82	21	620	82	0.01	<5	156	0.37	128	<10	104
91-1660		293	4	0.83	18	480	76	0.01	<5	155	0.38	127	<10	89
91-1680		226	3	0.88	21	910	86	0.03	<5	161	0.40	134	<10	96
91-1700		277	3	0.96	21	820	26	0.02	<5	173	0.38	131	<10	75
91-1720		307	3	0.92	24	670	23	0.01	<5	168	0.35	124	<10	80
91-1740		313	3	0.95	23	730	22	0.01	<5	172	0.34	121	<10	79
91-1760		306	4	0.85	21	860	26	0.03	<5	163	0.37	136	<10	83
91-1780		310	2	0.90	23	860	27	0.01	<5	164	0.37	128	<10	87
91-1800		254	3	0.74	22	740	34	0.02	<5	146	0.30	119	<10	85
91-1820		294	3	0.87	26	710	39	0.01	<5	160	0.32	108	<10	99
91-1840		402	4	0.58	22	940	54	0.04	<5	118	0.36	134	<10	95
91-1860		253	5	0.57	21	1010	45	0.03	5	120	0.33	129	<10	85
91-1880		231	6	0.86	22	840	38	0.03	<5	168	0.38	153	<10	81
91-1900		441	6	0.89	24	720	36	0.01	<5	174	0.41	156	<10	99
91-1920		239	5	0.89	19	760	20	0.03	<5	161	0.38	134	<10	66
91-1940		260	5	0.94	20	720	22	0.02	5	173	0.38	137	<10	71
91-1960		295	4	1.13	23	620	22	0.01	<5	193	0.37	126	<10	73

	L	M	N	O
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Summary of Expenditures

33 days field living allowance	1155.00	
Survey supplies	228.29	
Fees and publications	21.20	
Rentals	4847.78	
Soil sample analysis	3171.46	
Office supplies/postage, etc.	271.65	**Total $9755.38**

Authors Qualifications

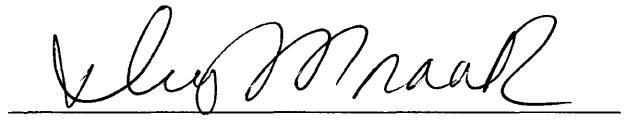
I, Dirk Moraal of Tagish, Yukon Territory
certify that:

I am a professional prospector and have been active in the mining sector since 1969.

I am the owner and operator of the Dirkeno Group of mineral claims.

This report is based on information gathered between July 21 and August 23, 2005.

I am the author of this report which reflects the work performed, and my understanding of the area and methods used during the surveys.



Dirk Moraal
Tagish, YT August 2005

N

Mom 7

Mom 8

Mom 5

Mom 6

Mom 4

Mom 3

Mom 2

Mom 1

Son 4

Son 3

Son 2

Son 1

L 9050

L 9000

L 8950

L 8900

L 8850

L 8800

L 8750

L 8625

L 8200

L 8100

BL 2000

7089000 mN

7088000mN

4,87000 mN

4,88000 mN

DIRKENO GROUP

1: 2500

LEGEND

- Mineralized float, rock sample
- Soil sample
- Outcrop
- Adit
- Trench
- Shaft
- Power-line road
- Road
- 4x4 road

1 Pale blocky quartzite, minor graph
2 Quartz Muscovite schist and quartz muscovite chlorite schist
3 Graphitic phyllite
4 Grey to black flaggy quartzite, graphitic phyllite
5 Limestone and other carbonate rocks
6 Undifferentiated units
7 Greenstone
Fault
Bedding

N

L 500

L 350

L 250

L 200

L 175

L 150

L 125

L 100

TALUS

TALUS

TALUS

TALUS

Tie Line

Post 1

0

×As Fe

•019R

•020R

•021R

•022R

•018R

Qtz Vn.

Central Qtz

Mw

35

33

LEGEND

- x Mineralized float, rock sample
- • Soil sample
- Outcrop
- Adit
- Trench
- Shaft
- Power-line road
- Road
- 4x4 road

1 Pale blocky quartzite, minor graph
2 Quartz Muscovite schist and quartz muscovite chlorite schist
3 Graphitic phyllite
4 Grey to black flaggy quartzite, graphitic phyllite
5 Limestone and other carbonate rocks
6 Undifferentiated units
7 Greenstone

- Fault
- Bedding

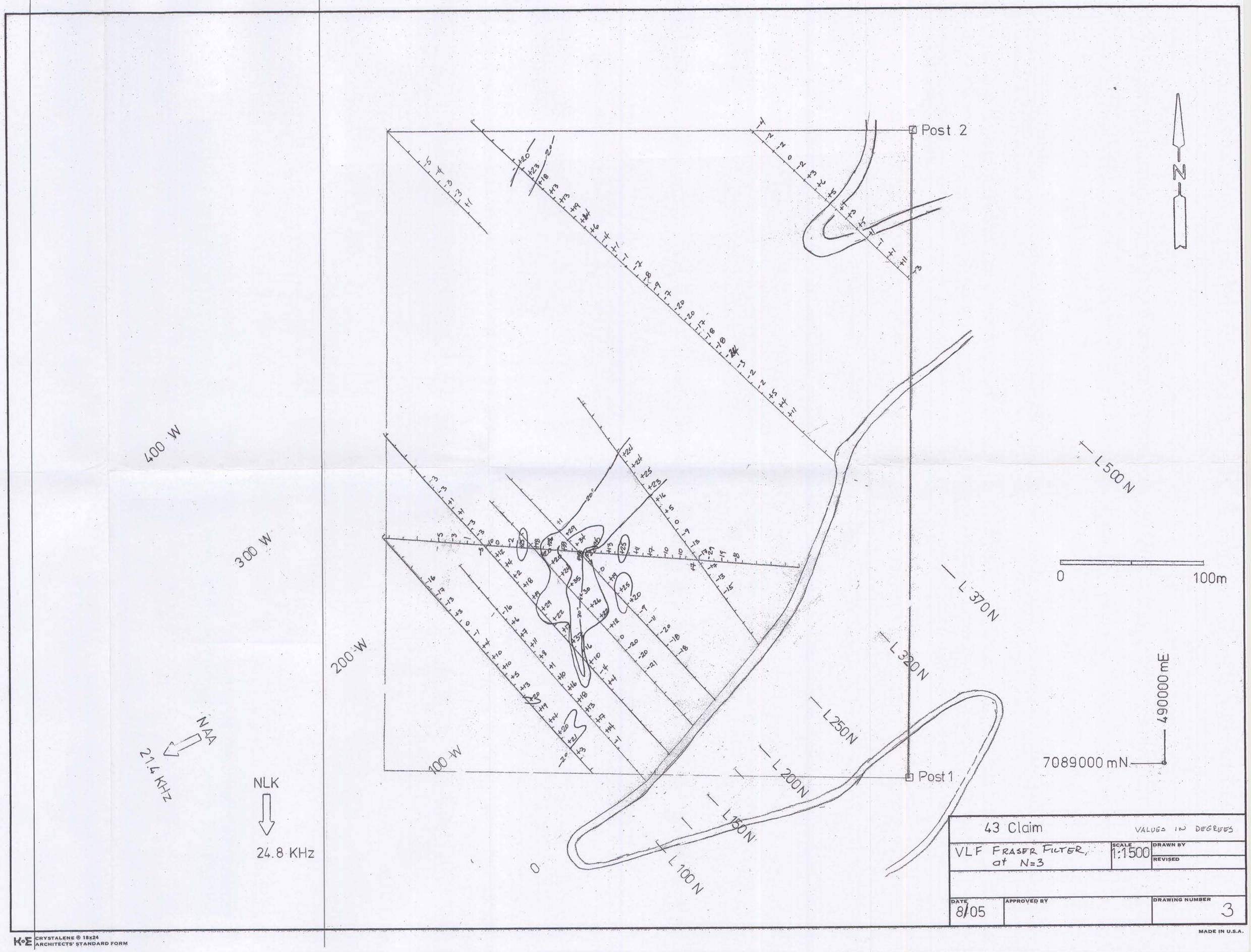
0 50 100 150 M

470000 mE

7089000 mN

43 CLAIM

1:1500



43 Claim			VALUES IN DEGREES
VLF FRASER FILTER, at N=3		SCALE 1:1500	DRAWN BY
			REVISED
DATE 8/05	APPROVED BY		DRAWING NUMBER 3

1200 E
1300 E
1400 E
1500 E
1600 E
1700 E
1800 E
1900 E
BL 2000 E
488000 mE
N
MOM 8
51-001R
51-002R
road
L 9100 N
L 9000 N
7089000mN
L 8900 N
L 8800 N
L 8700 N
SON 3
SON 1
SON 2
MOM 5
MOM 6
MOM 3
MOM 1
MOM 4
MOM 2
OM3-001R
OM3-002R
OM3-003R
LEGEND IN REPORT TEXT
0
200m

DIRKENO GROUP			
Soil Sample Locations & GEOLOGY		SCALE 1:2500	DRAWN BY REVISED
DATE 8/05	APPROVED BY		DRAWING NUMBER 1

MADE IN U.S.A.

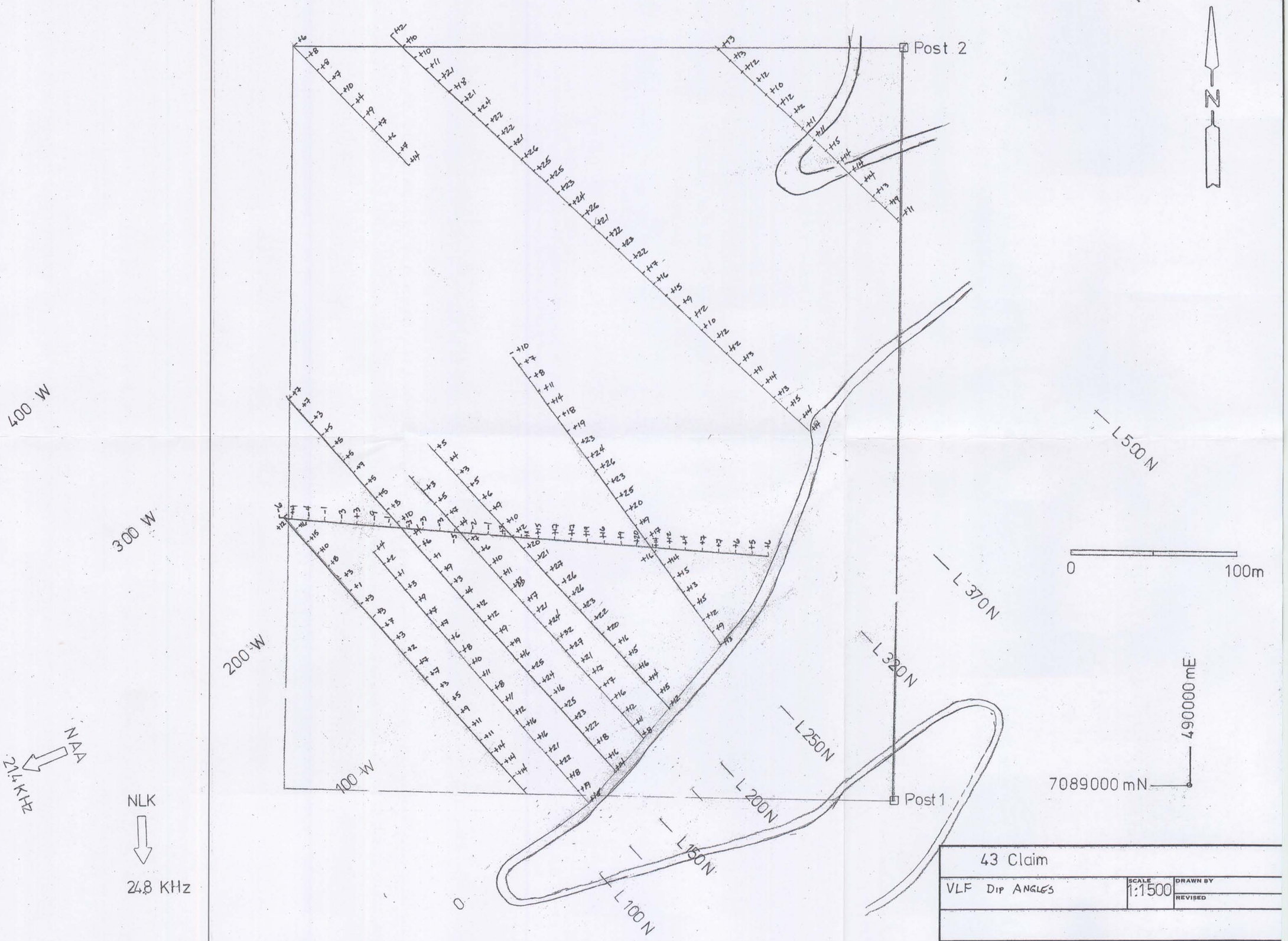
K•E CRYSTALENE ® 18x24
ARCHITECTS' STANDARD FORM

1200 E
1300 E
1400 E
1500 E
1600 E
1700 E
1800 E
1900 E
BL 2000E
488000 mE
N
MOM 8
MOM 5
MOM 6
MOM 3
MOM 4
MOM 1
MOM 2
SON 3
SON 1
SON 2
road
L 9100 N
L 9000 N
L 8900 N
L 8800 N
L 8700 N
7089000mN
conductors
NLK
24.8 KHz
0
200m

DIRKENO GROUP			
VLF FRASER FILTER at N=3		SCALE 1:2500	DRAWN BY
			REVISED
DATE 8/05	APPROVED BY		DRAWING NUMBER 3

1200 E
1300 E
1400 E
1500 E
1600 E
1700 E
1800 E
1900 E
BL 2000 E
488000 mE
N
MOM 8
road
L 9100 N
L 9000 N
7089000mN
L 8900 N
L 8800 N
L 8700 N
SON 3
SON 2
SON 1
MOM 5
MOM 6
MOM 3
MOM 4
MOM 1
MOM 2
0
200m
NLK
24,8KHz

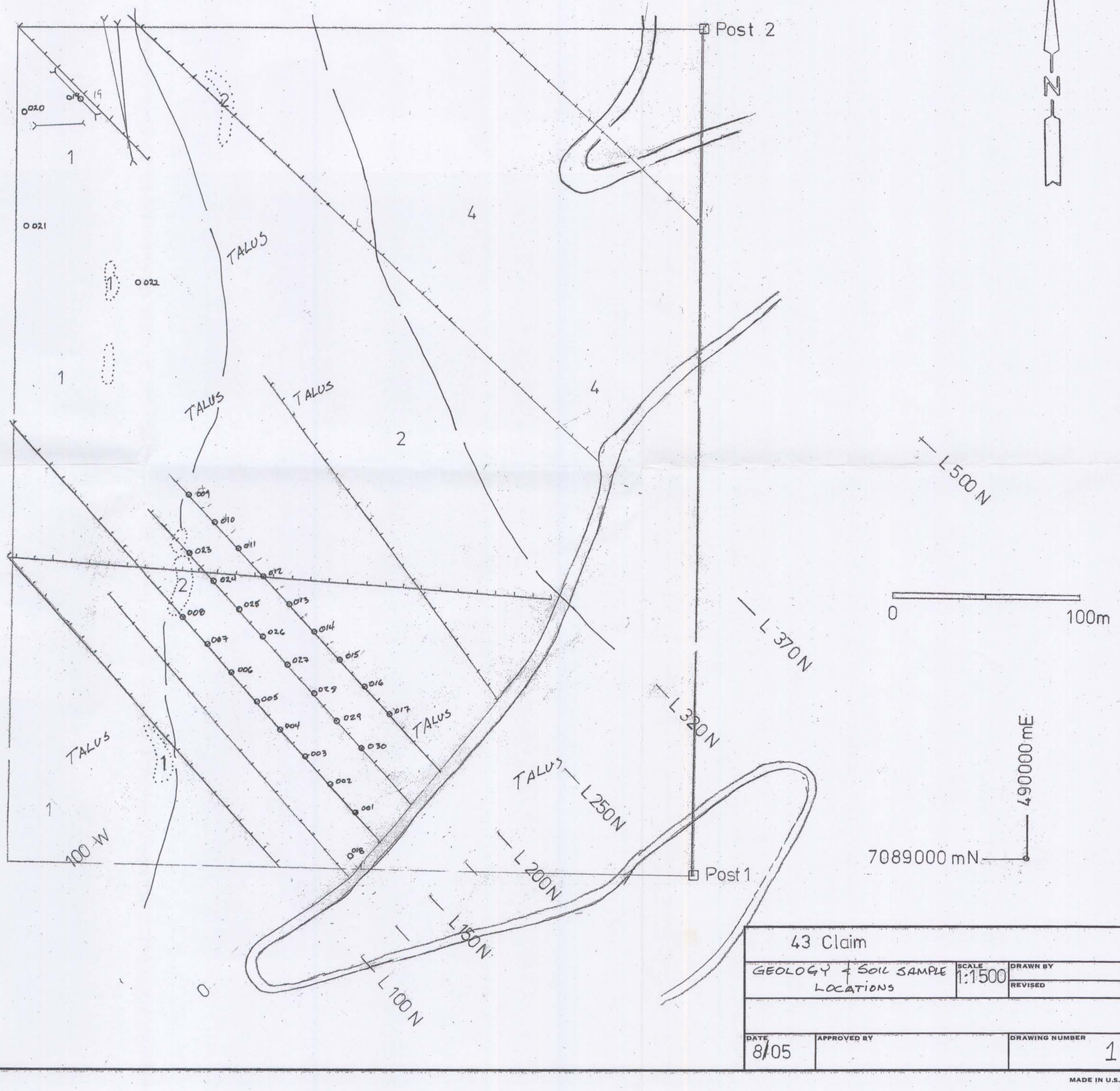
DIRKENO GROUP			
VLF DIP ANGLE	SCALE 1:2500	DRAWN BY	
		REVISED	
DATE 8/05	APPROVED BY	DRAWING NUMBER 2	



43 Claim

VLF Dip Angles	SCALE 1:1500	DRAWN BY	
		REVISED	
DATE 8/05	APPROVED BY	DRAWING NUMBER 2	

LEGEND IN TEXT OF REPORT



43 Claim			
GEOLOGY & SOIL SAMPLE LOCATIONS	SCALE 1:1500	DRAWN BY	
		REVISED	
DATE 8/05	APPROVED BY	DRAWING NUMBER	1

Summary Report

YMIP 05-003

Dirkeno Group and '43' claim

Mayo Mining Division, Yukon Territory

Latitude 56.76 N Longitude 135.07 W

NTS Map Sheet 105M-14

By Dirk Moraal

November 2005

To accompany the Final Submission Form

Work Summary

The 2005 exploration work in the project area consisted of prospecting the claims, followed by line cutting, geophysical surveys, and soil sampling over areas deemed to be of interest. All of the effort was directed at the existing claims owned by the writer since the ground to be looked at as the other half of the project has been staked by other parties.

Significant Results

Exploration activity on the claims has outlined 5 areas of interest, with coincident geology, geophysics and geochemistry. These results have also given direction to the methodology to be employed in future exploration efforts, as outlined in the technical report.

Claims staked

It must be pointed out that promising ground at the Keno Hill mining camp is almost entirely staked, and opportunity for acquiring ground is minimal. 4 extra claims were staked during the 2005 programme, three adjacent the existing Mom and Son claims, and one fraction was staked near the old Vanguard deposit to the south of the Dirkeno group.

Option agreements

No option agreements were made in 2005, primarily due to interest by private parties in doing small scale mining in partnership in the future if sufficient ore is found.

Type of mineral exploration undertaken

Surface exploration consisting of prospecting traverses, VLF-EM and limited magnetic geophysical surveys, geochemical soil sampling.

Goods and services purchased

Survey, draughting and prospecting supplies, tools, food, fuels, clothing, power saw and brush cutter, accessories for above, equipment rentals, maps, government reports.

Results of mineral exploration

On the '43' claim a north trending VLF-EM anomaly lies coincident with a linear Ag, Ba, As, Be, P, and weak Zn anomaly at a schist-blocky quartzite contact. Anomalous pH occurs over the anomaly. VLF-EM anomalies are coincident with anomalous Ag, Ba, As, Be. A faint but coincidental magnetic anomaly coincides with the VLF anomaly and suggests a sheeted fault.

On the Dirkeno group, three locations with a total of 5 areas of interest lie near the projected axis of the #6 vein fault as well as north of the Hogan vein fault which was a past producer.
pH, Ag Ba, As, are randomly associated with VLF-EM anomalies. VLF anomalies suggest several orthogonal transverse faults associated with the mapped location of the #6 longitudinal vein fault. Areas of plant stress are associated with some of the geochemical anomalies.

Summary of direct expenditures on project

33 days field living allowance	1155.00	
Survey supplies	228.29	
Fees and publications	21.20	
Rentals	4847.78	
Soil sample analysis	3171.46	
Office supplies/postage, etc.	271.65	**Total $9755.38**

Expenditures not chargeable to project, but resulting from project

Equipment purchases	2780.53
Vehicle expenses	3800.00
Fuels	625.23
Other government fees	305.00
	$7510.83

wade

NOTE KEEPING

△	Triangulation Station.	C.	Center.
o	Transit Traverse Point.	℄	Center line.
□	Stadia Station.	n a.	Nail.
S B	Stone bound.	tk.	Tack.
Mon.	Monument.	cb.	Curb.
I.B.	Iron Bar.	C.B.	Catch basin.
S.I.B.	Standard Iron Bar.	M.H.	Manhole.
Stk.	Stake.	Tel.	Telephone pole.
Spk.	Spike.	F.S.	Foresight.
dh.	Drill-hole.	B.S.	Backsight.
B M.	Bench-mark.	b.b.	Base-board of fence.
T.P.	Turning point.		
C.C.	Cut cross ( ).		
c f	Crow-foot (Mark like this or).		
c c f	Cut crow-foot (cut into wood or stone).		
—·—·—	Fence.		
—x—x—	Chainline fence.		

Fence, showing on which side the posts are.
Line of building; the outside line is the base-board, the cross-hatched part is the line of the stone or brick under-pinning.

JOB.....

DATE 20 July 2005 PAGE.....

Travel to Mayo and Keno, camped on claims

PARTY CHIEF.....

WEATHER.....

wade

JOB.....

DATE 21 July 05 THURS PAGE DAY 1

ORIENTATION DAY, AND SEARCH FOR PINS (SURVEY). ICY COLD IN AM, HOT & SUNNY ALL DAY

AM DISAPPOINTED BECAUSE THERE HAS BEEN A LOT OF STAKING DONE AROUND I INTENDED TO PROSPECT. WILL PICK UP AS MUCH GROUND SOONER THAN LATER II 801 FR AND F 615 are open but the hill is once again staked solid.

SPENT 1/2 day FINDING PINS 5L 801 AN 7L 801, WHICH ACCORDING TO SURVEY SHEET are the only steel pins that relate to this unsurveyed FRACTION

7L 801 is 488206E - 7088480N

5L 801 is 488446 - 7088267N

RAN survey to locate vein fault which I believe joins the SW "shoving" of and the NE zone in NE Zone 3

VLF Picked up weak zone - plan now is to expand GRID SOUTH AND NORTH to try to locate ANOMALOUS zone

Zero radio resp. from top of Rim

PARTY CHIEF Will

WEATHER Mom 4

-2, clear, breezy, then Hot and clear

JOB.....

DATE 22 July 05 FRI PAGE DAY 2

Prospected along claim line from 1 to 8 No O/C seen, - on 1, 2, 3 and 4, mainly OB, grey to black flaggy quartzites mixed in with phyllites and much other rock types.

On 5-6, many OB Till nearing the old Dorothy area, schists and greenstones grading into Blocky quartzite past the escarpment (NW)

Found and followed several roads and trails, 3 of them leading to the Dorothy workings, one to a trench 350 m N, the one a sequence of greenish schisty phyllites over lie . Some sphalerite minerals but no sulphides seen - Ran VLF along trench to see if there was any conductor there but had no anomaly detected, ran it along road back to the dorothy and a parallel line 100 m to the south but did not find anything Area has some magnetic rock exposures But no sign of "shafts" described by previous writers. -

Radio resp was nil - antenna set up at pit 1 of 6-6 mom.

PARTY CHIEF

WEATHER A lot of Tourist traffic on road to Pit

-2, overnite, clouded over, and warmed to +1C - few rain drops.

JOB.....

DATE 23 JULY 05 Sat'day PAGE Day 3

'43' Claim - PROSPECTED AND MAPPED half of the claim - almost entirely covered with T.B. quartz talus. Two schist outcrops showed manganese precipitate out, but only on the outer inch of exposed rock. No mineralization of course, anything would be covered by the talus.

Ran 4 lines of VLF over suspected location of the fault. Most easterly line failed to pick up the fault - the others show quite a difficult to interpret profile, even after Fraser or whittles treatment. but definitely have reacted to something.

TAGGED the posts, and located the wooden monument at the SW corner

Wild life - Marten visited camp, left calling card

Radio Sched 7 10 to 7 35 V. good Recep. at new loc. Antenna oriented N/S magnetic

PARTY CHIEF.....

WEATHER.....

P

JOB.....

DATE 24 July 05, Sunday PAGE Day 4

'43' Claim - Continued to prospect East Side of claim. It is mainly underlain by thin bedded dark schists and phyllites. Ran 2 more lines of VLF to see if the Helen Fr. fault could be detected that way. It was not.-

Soil sampled 2 lines on the west side, bracketing the outcrop with manganese staining: that is the only mineralization to date on the claims so far, it is obvious that most of the claim is covered by thick bedded quartzite with small outcrops of sericite schist to west, and the east part is mainly grey to black phyllites and schist with quartz inclusions

No greenstone seen yet

Radio Sched 7 00 to 7 20 - Excelent Recept.

Wildlife. Prairie and bit more at the truck

Cold and cloudy AM +1°C some few drops of rain in AM RAIN IN PM Air stirring with smoke day flag

PARTY CHIEF.....

WEATHER.....

+1 overnite then clouded over
JOB bush still wet - smokey
DATE 25 July 05 Monday PAGE Day 5

Fresh today after yesterdays rain
Mon on talus very slippery so I
postponed work there. Extended 2
lines and ran an intermediate
line of VLF between lines 1 and 2
to see what kind of correlation I
could get. - Moved camp.

This is the third day of heavy smoke
in the air, and I notice the eyes water and
it is hard to run up hills

Took another short soil line on '43'
and Prospected the NW Corner of the
claims, platted trenches and took 5
random samples to complete some
sort of coverage. -

The schists underlie the quartzites
and are covered by talus and boulder
fields of quartzite. VLF seems to be
able to discern the contact with
high dip angles continuously, plus
a high vertical field strength.

One area of interest on the claim
needs to be cleared up, the best cross
where one shows a "multiple conductor
signature, near the manganese claim

PARTY CHIEF
WEATHER
Wildlife - Marmots, M. Shrike, pika

day was very smoky in AM, overcast and
calm but after 5PM smoke sort of cleared
JOB up and sun is beating down
DATE 26 July 05 TUESDAY PAGE Day 6

Prospected Son 1, 2, 3, acres and acres
and acres of buckbrush and overburden
of mixed quartzite and schist boulders.
If anything is here it will be found by
an indirect method. Ran a 1000m line
with 10m stations across top of Son 2 and 1
but the data doesn't indicate crossing any
fault zone.

Took 2 soils on Mon 3 at "kill zones" and
a trench. The idea is to find indications of
nearby veins with geochemical signature
Spent large part of day looking for greenstone
on the claims, since greenstone seems to
be more important when associated with
a vein fault. Am seeing the need of doing
orientation days, checking out known
"vein faults at surface" to get an
idea of what to expect. Specially the
geophysical response which I do now
has not been "useful" - (but I am sort
of developing a method)

No wildlife today
PARTY CHIEF
Radio reception best I have been
WEATHER

JOB.....

DATE 27 July 05 PAGE Day 7

After puzzling over the VLF for '43' I decided to run a fill in line between #2 and #3 lines. An attempt at Magnetic survey met with no success as magnetic field disturbed (1000s/min)

Waited most of the day for conditions to clear up but even in enemy there still was too much activity to do a survey (mag)

Late at night, managed one short 200 m line which shows that magnetics do coincide with VLF highs, but due to magnetic activity profiles are quite "sawtooth" so can't really be taken as useful, but high winds also made it hard to level the mag

Radio Recep very poor

PARTY CHIEF.....

WEATHER No wildlife except for 1 ground

JOB.....

DATE 28 July 05 (Thurs.) PAGE Day 8

An exceedingly blustery day, but warm (+8) over night, raining a bit, locally. — a singularly disappointing day on the Mom 1, 2, 3 and 4 claims.

Prospected, by traverse and hammer blow but found no outcrop, and no mineralized float. Old trenches had nothing to show anything had been found here before - which is encouraging

Surficial "geology" is flaggy quartzite mixed in with brown to grey shales and phyllite but I doubt it reflects the actual bedrock geology as most old trenches that do go down to bedrock are in varying depths of mixed boulders both of it being edge rounded and "transported."

Ran a 300 m VLF Line along a trend that should run the (mapped) V.F. I call Bender, near CP #7 5/6 but response was flat.

PM: from 4PM on, Thunder Showers and rains heavy clouds, drizzle. (I hide in truck)

Radio recep. very poor

PARTY CHIEF.....

WEATHER Wildlife - 1 fox came to see on camp

JOB.....

DATE. 29 July 05 FRI PAGE DAY 9

RAIN AND FOG ALL NIGHT AND ALL MORNING. NOT ONLY DID IT KEEP US BUT THE VALLEYS WERE SOCKED IN. VERY WET, RIVERS OF WATER RUNNING DOWN THE ROADS. GOOD DAY TO REPAIR VCF AND MAG, BOTH OF WHICH ARE NOT WORKING SMOOTHLY - BOTH HAD WIRES BROKEN OFF

Bush too wet and rocks very slippery, so I decided to review what I knew of the area - wetness brought out the rusty zones along the #6, the Helen and the Comstock Faults, which helped me visualize the position of the longitudinal faults and ore bodies within. A couple of the NW trending faults also show up, but are considered unimportant for ore. However, they do seem to explain why the main faults simply vanish.

PARTY CHIEF.....

WEATHER.....

JOB.....

DATE. 30 July 05 SAT PAGE DAY 10

"Data reduction day and soil handling day"

Sieved the soil samples from '43' and the random samples to -20 mesh, repackaged to send to Chemex for analysis

"Manual":

Data reduction of VCF has been successful in outlining an anomaly on the 43 claim over 4 lines 25m apart. However it was necessary to do a Fraser vertical section to bring it out. This tells me that 10m intervals should be increased to 15 to see deeper on the first pass and to avoid too much massaging of the data, and still be close to the wave length of sulphide bodies, holding to the rule of 5a = 50m

PARTY CHIEF.....

WEATHER.....

JOB TAGISH

DATE SUNDAY PAGE

Glad to return to "Town" for supplies, new compass, more field books, and boots, all of which I RECEIVED, PAUL some meat TOOLS I MIGHT NEED 660 km each way, 7½ hrs Travel. - Also Trouble shoot the mag which is still misbehaving.

PARTY CHIEF

WEATHER

JOB WHITEHORSE.

DATE AUGUST 05 PAGE

Thru town on RETURN TO Keno
- bought SUPPLIES, NEW COMPASS shipped c/o soil samples to Chemex

- Dropped in and spoke to Ken GRAMBOW, discussed project to date.

- drive to Keno, arr. 6 PM MADE CAMP. - COULD NOT

PARTY CHIEF

WEATHER

JOB G L

DATE 2 AUG 05 PAGE Day 11

RETURNED TO 43 claim. Ran one line of ~~ge~~ VLF over anomaly, but at almost 90° conductor. I was rewarded with a stronger VLF anomaly but electromagnetic fields were very active - HFS varied by over 60 units over 10 seconds, and instrument was difficult to read - Dip position and vertical field strength were impossibly high, no doubt the thunder clouds forming had something to do. It rained from mid morning to 3PM, when a great thunderstorm with hard icy rain took over.
I reduced the data and then read technical manuals related to my project. -

Assembled and tested the brush cutter - The clearing blade actually is worse than the weed and brush blade - Need a point blade now

Wildlife - grouse family

Radio reception NIL as reported with the pulse unit is

PARTY CHIEF

WEATHER

JOB L

DATE 03 AUG 05 (Wed) PAGE Day 12

Wet and rainy in AM
started line cutting
BL 500m, FROM #107 SON 3
SOUTH, TO TAKE ADVANTAGE OF
THE DIRECTION TO NLK (Seattle) VLF
STATION -
Cut ~~1000~~ 500m line starting at 9000 N/BL

Baseline #'s @ starting point
BL 2000 E - 9050 N

Hard rain from 3^30 PM, and all
night

Keno Hill has its own weather

PARTY CHIEF Radio OK on 4444 no joy on 1831 80

WEATHER I suspect ~~mechanical~~ problem

JOB.....

DATE 04 AUG 05 (THU.) PAGE DAY 13

ICY RAIN IN AM, CONTINUED RAINING ALL DAY EVEN DURING Brief "sunbursts" after 5PM.

Line cutting and chaining 800 m in 5 lines from BL to Road on SOR 1 and 2

Hard rain from 7PM onwards.

PARTY CHIEF.....

WEATHER.....

JOB.....

DATE 05 AUG 05 (FRI) PAGE DAY 14

MORNING IN THICK FOG, AND CONSTANT RAIN.

MANAGED TO CUT 500 m BUT THE ICY RAIN MADE IT HARD

RAIN CONTINUED TILL 5PM WHEN SUN CAME OUT. RAN VLF OVER THE LINES CUT TILL 9PM. BUT DATA IS FAIR AS CAN BE.

PARTY CHIEF.....

WEATHER.....

Temp +3 in Am

L

JOB.....

DATE 06 AUG 05 (SAT) PAGE DAY 15

6 AM RAIN TO 10 PM
10 PM TO 2 PM, kinda cutting
2 PM lightning storm
heavy rains, (and me with a
6' lightning rod in my hands!)
1000 m of line cut. Need
To do 1 more line to finish
the rest half of grid. After
that, a second BL needs to
be cut to extend grid into
top of the ~~MAIN~~ SON 3 claim and
into more 6 in the vicinity
of the trenches.

RAINED AGAIN SEVERAL TIMES
till 10 PM. Am RUNNING OUT
OF DRY STUFF TO WEAR. - Black
flies awful.

PARTY CHIEF NW RADIO RECEPT.

WEATHER

Temp +5 in Am

L G

JOB.....

DATE 07 AUG 05 SUN PAGE DAY 16

Chained, then VLF over
3 lines (1500 m), THEN IT
STARTED TO RAIN AFTER THE
NOON HOUR WET AGAIN AS IS
THE EQUIPMENT.

THERE is a lovely classic anomaly
along the power line. The 3
strands of 1/2" cable must
be energized by natural potentials
because it reflects the VLF out
to 30 m either side.

Lines 9000N and 8900N are both
starting to show weak resp-
onses, much like Faults under
deep O/B. Lines to NORTH will
be more important than line
to the South. -

- Thick smoke from fires again,
- makes it hard to breathe.

PARTY CHIEF NW RADIO Reception

WEATHER WILDLIFE: half grown bear.

L G

JOB

DATE Aug 8 /05 PAGE Day 17

FINALLY A DRY DAY
Line cutting.
Cut 700m of line chained and ran VLF OVER THE LINE. Finally some SEMBLANCE of geophysical RESPONSE, NOT STRONG BUT AS EXPECTED for A FLAT lying bedrock under conductive O/B

AM NOW AWAY FROM THE "power Line anomaly.

AREA OF "kill zone", ie plants dying, and early turning of leaves, had a minor geophy. response. TOMORROW I will sit down and do the data follow up

PARTY CHIEF No RADIO CONTACT

WEATHER

wade

S

JOB

DATE AUG 9 /05 PAGE Day 18

SOIL SAMPLE Line 9100 N
FROM CL at 1960E down to
1200E - 34 SAMPLES.

DID CALCULATIONS FOR Lines
9100, 9000, 8900 and 8800

DRY AND SMOKEY - GONNA be hot!

5:30 PM Head for "FAGISH
to Check on FAMILY, AND
GET A FEW PARTS FOR
THE PROJECT.

PARTY CHIEF

WEATHER

wade

JOB TAGISH

DATE Aug 10 PAGE

DID DOMESTIC STUFF
WROTE REPORTS.
DREW MAPS.

PARTY CHIEF

WEATHER

wade

JOB

DATE 11 Aug PAGE

PARTY CHIEF

WEATHER

wade

JOB.....

DATE..12 AUG.....FRI..PAGE.....

Return to PROJECT

PARTY CHIEF..No radio call tonight

WEATHER.....

JOB.....

DATE...13 AUG.....SA.....PAGE...Day 19

Ran PH test on 38 soil samples from Line 9100N (1200 to 1960) Method. In 4 oz cup, 1 teaspoon soil, and 3 tablespoons water. After stirring for a minute, insert probe and swirl till it is stable at the value drops, then rises to stable value. Noted several cautions which can cause erratic readings.

Sieved all samples to -20 mesh and re-bagged and packaged for shipment.

PARTY CHIEF..Radio not working

WEATHER.....

JOB.....

DATE 14 AUG Su PAGE DAY 20

RECALCULATING DATA AND PLOTTING, TO SEE WHAT I HAVE

DATA INPUT IN HARVARD CHART XL AND I AM PLEASED WITH THE RESULTS, BOTH IN SPECTRAL PLOT AND ALSO IN 3-D "SURFACE PLOT" WHICH WORKED WELL FOR #3 Claim.

Clear in AM, but in PM Smoke rolled in

PARTY CHIEF Radio non existent

WEATHER.....

JOB.....

DATE 15 AUG Mo PAGE ~~21~~

DAY OFF

STEPPED ON WASP. FOOT SWOLLEN.

PARTY CHIEF Radio poor

WEATHER.....

JOB G

DATE 16 AUG TUE PAGE DAY 21

AFTER REVIEW OF DATA AND THE PLOTTING. I DECIDED TO RUN LINES 9000, 8750, 8900, 8850N OUT TO 2300.

TO TOWN TO GROUP CLAIMS AND DECLARE ASSESSMENT WORK FOR 5 YEARS. I did not know we HAVE 6 MONTHS TO HAND IN THE FINAL REPORT.

BACK on the hill

Hot and dry, smokey

PARTY CHIEF Radio Poor

WEATHER No WILDLIFE

JOB L G

DATE 17 AUG PAGE DAY 22

Cut Line 8750N BL TO 400E
Then Chained it
Then Ran VLF.

Extended Lines 9050, 9000, 8950, 8900 8850, out to 300 and 350m and ran VLF over them Did corrections on the data

- TO KNOW TO call K. G. but he was not in the 4 times I phoned. met Mel Seigler a placer miner - good man, very candid, pleasant and quite know~~[illegible]~~able. - DIVE TOO?

Still hot and dry, smokey

PARTY CHIEF Radio noisy from Lightning but

WEATHER useable

JOB G

DATE 18 AUG PAGE 23rd

HARD RAIN, THUNDER & LIGHTNING ALL NIGHT. MORNING AND MOUNTAIN DRIPPING WET IN FOG, WITH CHILL WIND. FOR THE MORNING, CONTINUED DOING SECTIONS ON MAIN GRID, PORTION TO EAST OF BL 2000 @ leaved up mid morning - Soil sampled Line 8900 which has the best VLF ANOMALY Experiment with soil PH tester failed as instrument went dead. LATER I RAN 2 short lines parallel to L 8900 VLF ANOMALY TO locate continuation there are anomalies but don't line up - so may be parallel conductors?

By 4PM fog, smoke and heavy rain had settled on. Repaired VLF battery cables plotted some stuff and concluded the data reduction of the lines E of BL 2000, to N 3 - made new work plan -

PARTY CHIEF RADIO RECEP. good.

WEATHER NO WILDLIFE

VLF ⊙ OFF.

JOB G

DATE 19 AUG PAGE 24th

DRIPPING WET AND +2°C IN THICK FOG TILL 10 AM. AFTER THAT, CLEARED NICELY

DD MAG SURVEY OVER EAST SIDE OF DIRKENO GRID, BL TO 2300 E, COVERING THE ZONE WITH THE VLF ANOMALY ON LINES 8900, 8950 (and others), WITH A Reading each 5m - TOOK 5 HOURS TO DO 2km of grid + BL (DONE TWICE) REST OF THE DAY TILL LATE, 6 hours correcting THE READINGS, BY HAND. I NEVER REALISED HOW MUCH TIME I USED TO SPEND ON THIS KIND OF WORK. MAGNETICS ARE SO FLAT THAT MOST ANOMALIES ARE SMALLER THAN THE ERROR IN POSITIONING THE MAG AWAY FROM THE BATTERY PACK. CLOSE UP, EVEN a PAPERCLIP IS AN ANOMALY. - WILL SEE, WHEN PLOTTED

PARTY CHIEF RADIO RECEPTION XLNT!

WEATHER NO WILDLIFE

JOB L S

DATE 20 AUG (SAT) PAGE 25th

A Cool -7°C in AM. WARMED TO +10 WITH SUN & WIND, ANDBY 7PM WAS +9. SMOKE once again rolled in.

Cut 600 m on line 9200N, AND 500 m on line 9300N. SOILED on line (40) 9200 AND A SHOT Line Thru the "Kill zone on Line 9150N, 1960 TO 1840E TOTAL 40 SOIL SAMPLES AND 1160 m Lineat MOST SAMPLES were hard work, as had to dig deep and remove boulders.-

Line 9300 has a huge "Kill Zone" which is just outside an area WET trenches.

Some Land, a wedge, may be open beside and North of SON 3 might be good to pick up. IT will have to be staked as Full claims as it does not meet criteria for a Fractional claim.

Plotted soil locations on A MAP.

PARTY CHIEF XCLNT RADIO ROCCO.

WEATHER WILDLIFE = 2 Bull moose

JOB S

DATE 21 AUG (SUN) PAGE Day 26

-7 AND FROST, SMOKEY AND DAMP RAIN STAYED AWAY TILL 1PM - TODAY, MANAGED TO TAKE 20 SAMPLES ON Line 2300N, AND RUN VLF on LINES 9200 N and 9300 N. DID Hours of manual calculations on the VLF, Fraser section to N=4 to get any significant values. - Line 9200 has a nice, if weak anomaly and Line 9300 has one near the east end of the Line which is uphill from a "Kill zone" - PH will help here but I wonder if PH is found directly over target or if it is displaced downhill like geochem.

Soiled lines 8800 and 8850, BL TO 2250E to cover best VLF anomaly That will make 3 "TARGETS".

VLF acting strange. Huge F.S. as if before Lightning storm

PARTY CHIEF Radio Recap OK - Lighting crashes.

WEATHER Ave mtes 1 cow, 2 bull moose

JOB LG

DATE 22 Aug (mon) PAGE Day 27

DAY STARTED OK, -10, calm but low clouds. 4:00 PM was Thunderstorm hour, as usual got caught out in the rain.

Follow up day. Went to far end of LINE 9100 and extended the VLF 200 mt. to cover a ph low between 1200E and 1300E I did get a bit of a response..

Prospected around the Dorothy CL and found 3 of the workings. 2 shafts full of water, one very shallow, 1.5 m at most. - WENT TO N end of claims & refreshed CL as I went. IT is all wet ground, or boulders covered with moss.

Some non ground contact surveys might work. - Anyway, Rock yes, galena No.

1:30 PM, and on spec, ran a line of soils with my last 12 soil bags, over where I think the northern extension of the "Hogan" VLF might run. Got some very red soils in a couple of spots and found an old friend, parallel to the line. -

PARTY CHIEF Radio Recip ZILCH

magnetic storm

WEATHER

JOB LG

DATE 23 Aug (tue) PAGE Day 28

Cold and damp day. -1 but after the water yesterday, all was dripping. I was hoping crews had taken down the power line so I can re-survey portions of the VLF grid. SPOKE TO KEITH Hepner & Sonia AND THEY think by TOMORROW I can re-survey. This will clear up if two "anomalies" beside the ones caused by the power line are real.

Meantime, very blustery day. I ran 2 lines of 500 m each over suspected location of the "Hogan" Vein fault at the SOUTH END OF THE CLAIMS LINE 8200 FOUND IT and LINE 8100 seems to have a weak zone TOOK SOILS but not far enough to cover VLF anomaly. TOMORROW, will be done.

KEITH HAS A D-6 with a 15' backhoe at 45.00 an hour, dry. (next year?)

magnetic storm

PARTY CHIEF Radio Recip ZILCH

WEATHER

JOB G

DATE 24 AUG (WED) PAGE Day 29

STILL BLUSTERY, NOT SO COLD - O/N. LOW +8!
BUT RAIN THREATENED SO I GOT GOING by 6 AM. SAMPLED along Line 8200 Extending the line to cover the anomaly Re surveyed Lines 8800 8900 and 9000 where power line used to be. There are small anomalies, so my idea that the P. line might mask the real one was not quite right. Extended L 8800 by 120 m and guess what - a nice anomaly, wide and deep (40 m + so) closed up, as is normal just off the end of the line
IT RAINED FROM 10 AM on AND OFF with huge winds
Magnetics were all over the place - a major solar disturbance is to blame & accounts for loss of radio communication and magnetometer problems.
Staked a traverse that was bothering me and collected more pts in case I want to pick up more ground (No trees and no lumber!)
Continue crunching numbers now that I have better data, all has to be done again. -

PARTY CHIEF

WEATHER

JOB G

DATE 25 AUG (THU) PAGE Day 30

RAIN STARTED OVERNIGHT AND continued all day, very heavy at times.
Spent the day inputting data into computer and making pretty pictures. - The Programme is quite limited but does the job. all is manual input of course the main grid shows 3 areas of interest. Luckily two of them were soil sampled. The other will have to wait till I find more bags and review the data from geochem and particularly pH. If it works, I can see large programme of soiling becoming an affordable way to locate blind veins.
Data made into sections is very clear and may be a great help in picking targets. Lines 8200 and 8100 are good examples. 8200 shows a "high" which does not go deeper than N3 in an N4 section

PARTY CHIEF

WEATHER

JOB.....

DATE.....PAGE.....

which if confirmed by geochem or ph, might be one. Several sections, 2 on 43 claim and two on the big grid are of interest

Rain has stopped By 10PM, Radio Reception still out as well as magnetic field very jumpy. I don't expect to be surveying tomorrow - either it rains, or conditions in atmosphere are poor.

PARTY CHIEF.....

WEATHER.....

JOB.....

DATE FRI 28.....PAGE 31

Continued rain & lightning

In camp doing sections for ULF on Dirkeno

PARTY CHIEF.....

WEATHER.....

JOB.....

DATE Oct 27 PAGE 32

pH on soils from Lines 8200 8800, N 8800 N 8900 N and 9150 over "Killzones"

"Killzone" shows low ph over 3 samples all uphill of actual "Killzone"

Several 1 sample pH "lows" of 5.1 show up close to VLF anomalies

It takes a day to process 60 samples plus a gallon of distilled water.

PARTY CHIEF.....

WEATHER.....

JOB.....

DATE Sun 28 PAGE 33

Finished pH on remaining soils.

Line 9100 over the 70 m wide silver anomaly is only mildly anomalous except for one low ph but both lines 9200 and 9300 both have wide zones of ph lows - encouraging and it will be interesting to see if Silver follows. Then this is the best anomaly on the property with VLF, pH, and soil anomalies.

Fortunately, open ground North of this anomaly has been staked as the Son 4-5 and 6 claims.=

PARTY CHIEF.....

WEATHER.....

JOB.....

DATE...Mon 24.....PAGE.....

TO MAP TO CHECK CROSS
GROUND ON KENO HILL -

PARTY CHIEF.....

WEATHER.....

wade

JOB.....

DATE...Tues 25.....PAGE.....

STARING - NOLAN FR.

SON 4, 5, 6

PARTY CHIEF.....

WEATHER.....

wade

JOB.....

DATE. Dec 5 to 24 PAGE.....

- WRITING REPORTS for GMD AND Assessment CREDITS
- TOTTRUP FOR COPIES etc.

PARTY CHIEF.....

WEATHER.....

wade

JOB.....

DATE. 25 Dec. PAGE.....

FLOOD WATER DOWNHOLE SO FAIRLEAD reports AND MAPS. REDDING REPORTS AND MAPS TO FOLLOW

PARTY CHIEF.....

WEATHER.....

wade