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VICTORIA, B.C.

Mineral
Potential

of the

Murphy Lake Porphyry Copper Property

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

27,325

Cariboo Mining Division
British Columbia

prepared by

R.H. McMillan Ph.D.

15 December 2003

N.T.S. 093A03

Lat. 52°02'N
Long. 121°16'W

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1 Introduction – Synopsis

The Murphy Lake property is located about 20 kilometres northeast of Lac La Hache in the Cariboo district of central British Columbia. Excellent infrastructure is readily accessible in the form of human resources, railway, highway and power within 20 to 30 kilometres. Physiographically it is a rolling plateau area covered by mixed coniferous forest. Logging companies are operating on and adjacent to the property and the claims are criss-crossed by a network of active logging roads.

Reconnaissance geophysical surveys at 400 metres spacing and diamond drilling (7 holes) by the Regional/GWR resources joint venture in 1995 resulted in a high-grade porphyry-style copper intersection of 1.14% Cu across 9.3 metres within a wider zone which graded 0.34% Cu and 0.04 g/t Au across 53.3 metres of core. The induced polarization anomaly associated with the intersection is open to the north and no follow-up drilling has been undertaken as yet. The former operators recommended a follow-up program of geophysical surveys and drilling at a total cost of \$700,000, the first phase of which would total \$250,000 and entail 1500 metres of diamond drilling.

The author endorses the above recommendations. The report which follows documents a ground magnetic and VLF-EM survey undertaken to partially delineate features associated with the porphyry-style copper-gold mineralization.

2 Location and Access

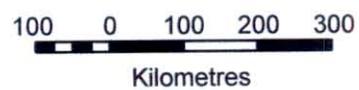
The Murphy Lake property is located approximately 20 kilometres northeast of Lac La Hache in the Cariboo district of central British Columbia (figure 1). The property is centred at about 52°02' latitude, 121°16' longitude on national topographic sheet (NTS) 093A/3. Road access to the claims is excellent with well-maintained gravel logging roads traversing much of the southern portion of the claims. The BC Rail line is located 20 kilometres southeast at Lac La Hache.

The most convenient access to the property is via the road to the village of Forest Grove which turns northeast from provincial Highway 97 two kilometres north of 100 Mile House. Approximately 22 kilometres northeast of Highway 97, and about 1 kilometre beyond Forest Grove, the Bradley Creek 500 road is followed and then the Bradley Creek 100 road for approximately 34 kilometres to the Borthwick Creek road. The centre of the property is at about kilometre 6 on the Borthwick Creek road.



Figure 1

REGIONAL LOCATION MAP
MURPHY LAKE PROJECT



1:10,000,000

3 Physiography and Vegetation

The property is located in the Thompson (or Cariboo) Plateau. Elevations in the area are approximately 1100 metres, dropping to 930 metres at Murphy Lake. The topography is subdued with gentle rolling hills and locally some swampy areas.

Most of the property is mantled by a layer of glacial till which locally exceeds 20 metres in thickness. Sparse outcrop is exposed in the northeast and southwest portions of the MUR2 and the northwest portion of the MUR1 claims. Some 30 to 40 percent of the property has been logged, with the remainder of the claims covered by lodgepole pine forest. Spruce and Douglas fir are confined to the lower elevations closer to Murphy Lake.

The climate is moderate with summer temperatures up to 30^o and cold winters with snowfall between 1 and 2 metres. Water is available for drilling year-round from Borthwick Creek and numerous smaller creeks and ponds on the property.

4 Claim Status

The property consists of two contiguous four-post mineral claims comprising a total of 24 claim units and a total of 600 hectares, all within the Cariboo Mining Division. The claims are owned by R.H. McMillan (FMC # 132841) and R.R. Blusson. The Legal Corner Posts (LCPs) have a common location at 5766051N, 0618035E (Zone 10, NAD83). The claims information is tabulated in the following table:

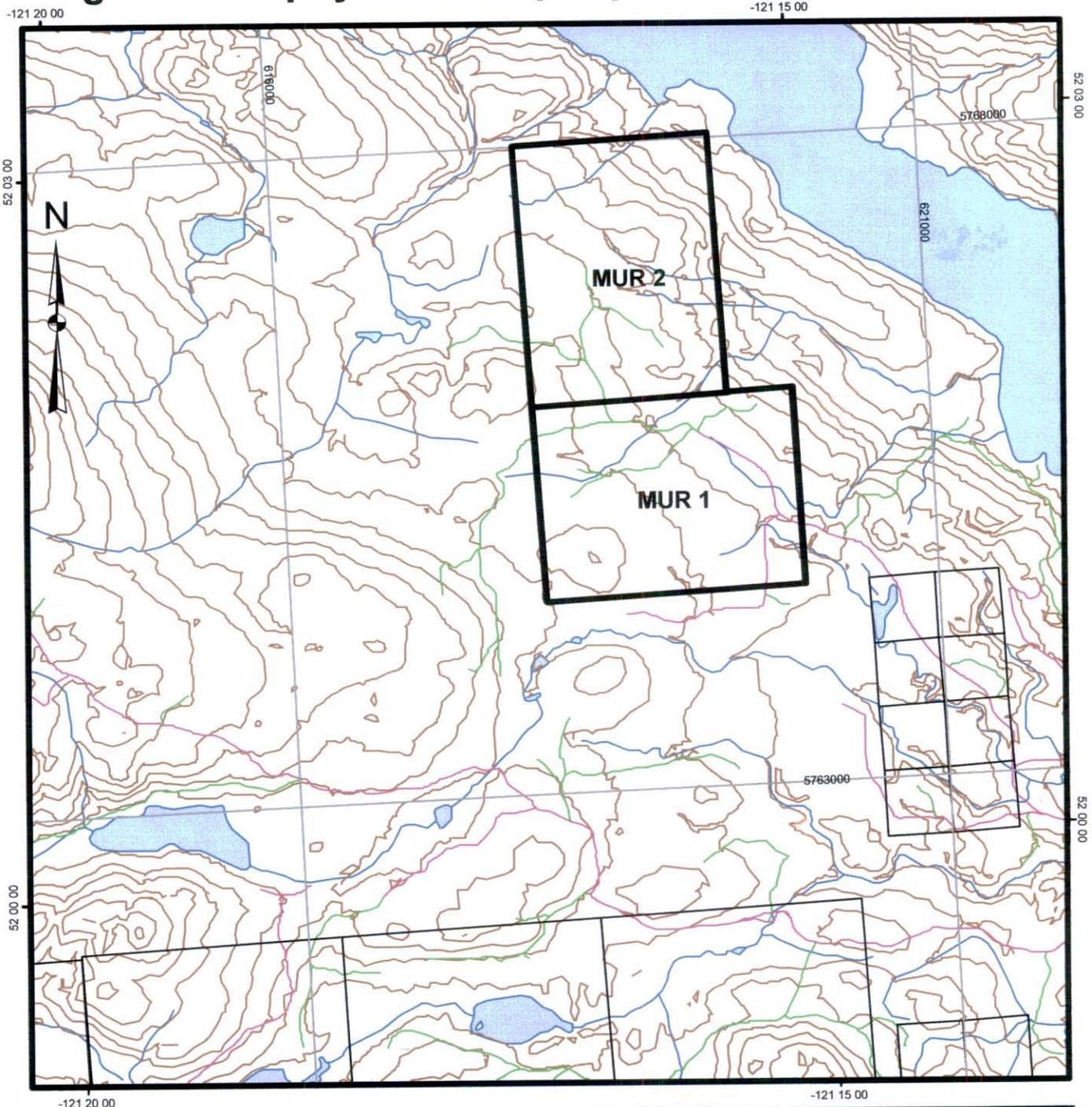
Claim Name	Tag No.	Tenure No.	No. Units	Date Staked	Expiry Date
Mur 1	206874	402246	12	2003/05/09	2004/05/09
Mur 2	206875	402247	12	2003/05/10	2004/05/10

5 Past Exploration Work

5a Spout-Peach Lakes Area

A regional airborne magnetic survey was flown by the Geological Survey of Canada in 1966 and a large annular-shaped positive anomaly 10 kilometres in diameter was delineated west of Murphy Lake (GSC Maps 5232G and 5234G). Several years earlier, a similar aeromagnetic anomaly had been defined on Polley Mountain which

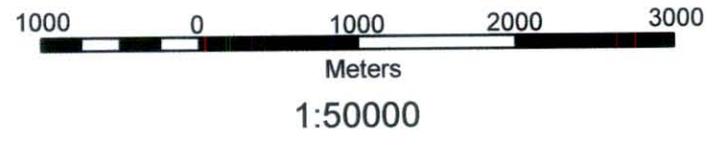
Figure 2 Murphy Lake Property - MUR 1 and 2 Claims

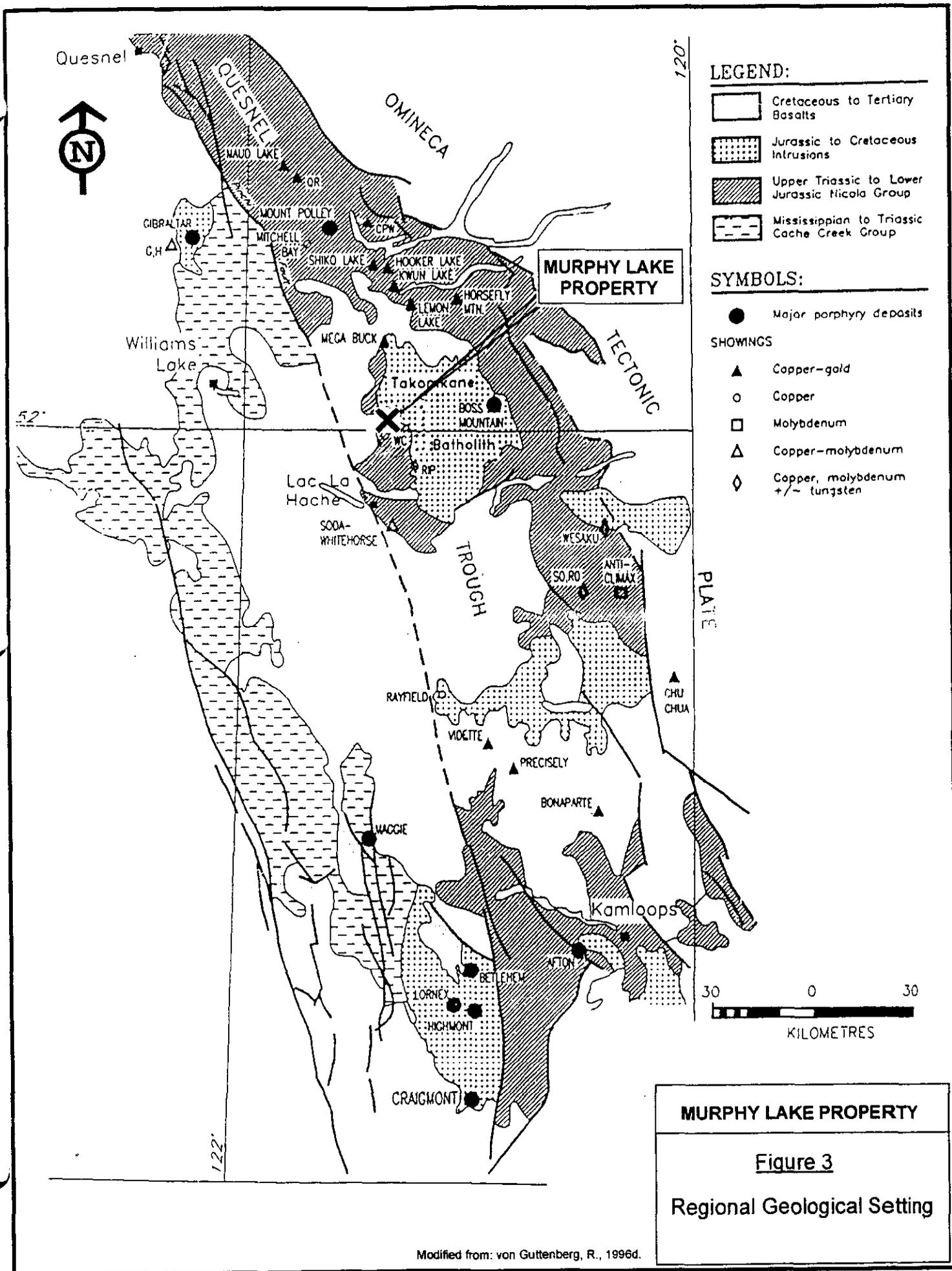


Murphy Lake Property, Lac La Hache - Williams Lake Area MUR 1 and 2 Claims

- Claims 
- Paved Road 
- Gravel Road 
- Rough Road 
- Contour 

- Lake 
- Stream 





LEGEND:

- Cretaceous to Tertiary Basalts
- Jurassic to Cretaceous Intrusions
- Upper Triassic to Lower Jurassic Nicola Group
- Mississippian to Triassic Cache Creek Group

SYMBOLS:

- Major porphyry deposits

SHOWINGS

- ▲ Copper-gold
- Copper
- Molybdenum
- △ Copper-molybdenum
- ◇ Copper, molybdenum +/- tungsten

MURPHY LAKE PROPERTY

Figure 3

Regional Geological Setting

Modified from: von Guttenberg, R., 1996d.

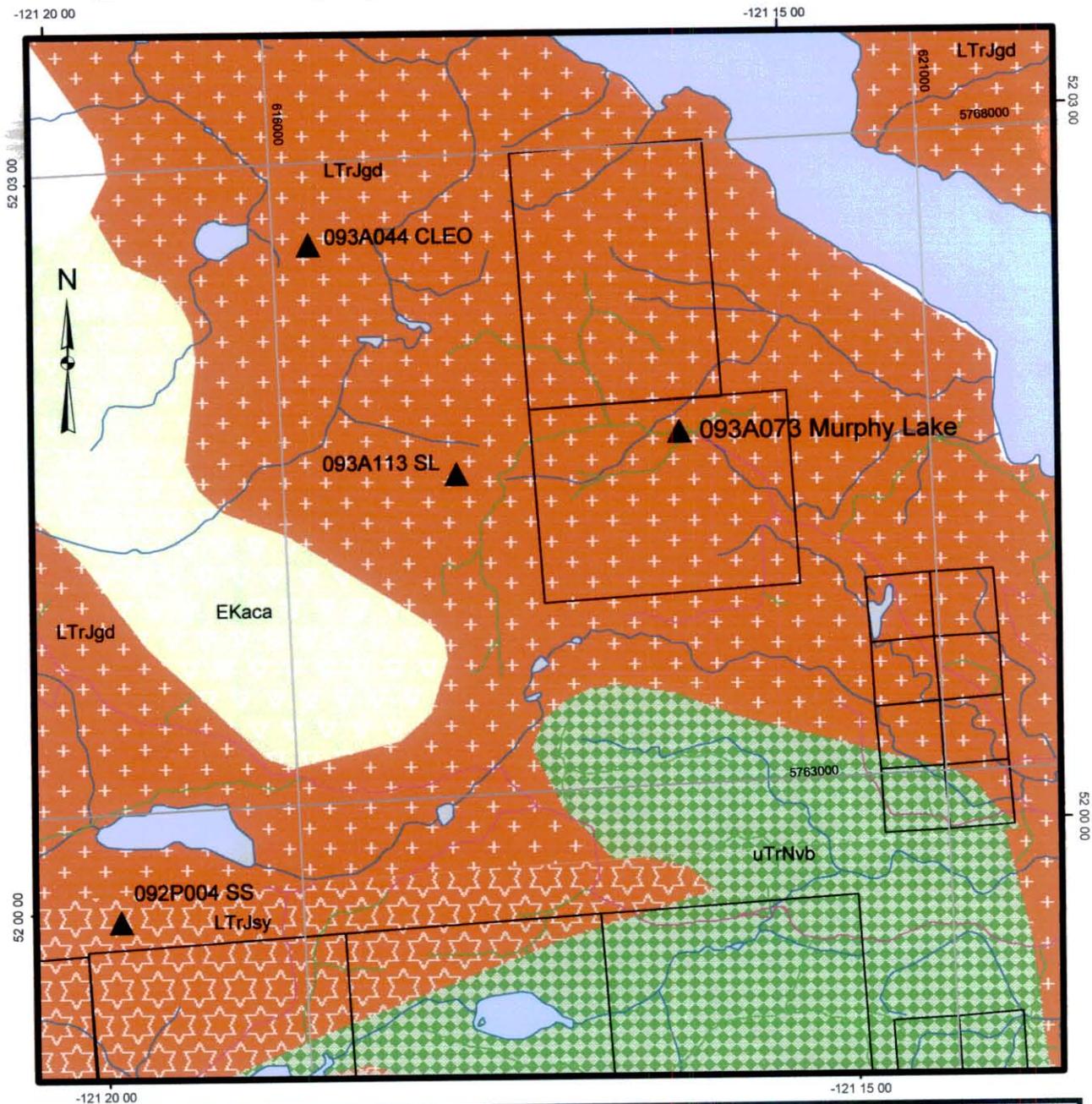
contributed to the discovery of the Cariboo-Bell (Mt. Polley) alkalic copper-gold porphyry deposit (Hodgson et al, 1976). The Murphy Lake anomaly occurs in the same belt of Nicola rocks which is host the Cariboo-Bell Mine, and as a consequence attracted exploration directed towards similar alkalic porphyry deposits. Exploration were initially directed along the southern boundary of the aeromagnetic anomaly, in the area south of Spout and Peach Lakes, in the area covered by the current GWH claims. This early work resulted in the discovery of several porphyry-style Cu-Au and skarn Cu-Au occurrences.

In 1966 and 1967 Coranex Limited investigated the airborne magnetic anomaly and obtained anomalous results in follow-up stream sediment and soil geochemical surveys in the area south of Peach Lake. Programs of geological, soil geochemical, magnetometer, induced polarization and prospecting surveys were undertaken in 1967 in the area south of Peach Lake, leading to the discovery of the Peach #1 (MINFILE 092P001) and several other important occurrences including the Miracle occurrence (MINFILE 092P 124). ASARCO Exploration Company of Canada Limited optioned the Peach #1 property and adjacent area in 1969.

According to Rowan (1990, Assessment Report 20621), Amax Potash Limited learned of the Coranex discoveries south of Peach Lake and completed geological and geochemical work over portions of the airborne magnetic anomaly not held by Coranex and this work resulted in the discovery of magnetite-chalcopyrite veins and stratabound skarn mineralization (MINFILE 092P120) south of Spout Lake and Amax immediately staked the WC claims. Between 1971 and 1973, Amax carried out exploration programs at Spout Lake, which included geological mapping, airborne and ground magnetometer surveys, induced polarization and geochemical surveys and bulldozer trenching. Drilling included 6 packsack holes (136 metres), 10 percussion holes and 7 diamond drill holes (843 metres). The work outlined two deposits at Spout Lake, the North and South Zones. In 1974, Craigmont Mines Limited optioned the property and drilled six diamond drill holes (1210 metres) at Spout Lake. The Tim alkalic porphyry showing (MINFILE 092P122) was outlined in an induced polarization survey by Amax during that period but the high-grade copper mineralization was encountered in 1983 in a program managed by Stallion Resources Limited. An "inventory" of 75,000 tonnes averaging 2.15% Cu and 12 g/t Ag has been reported.

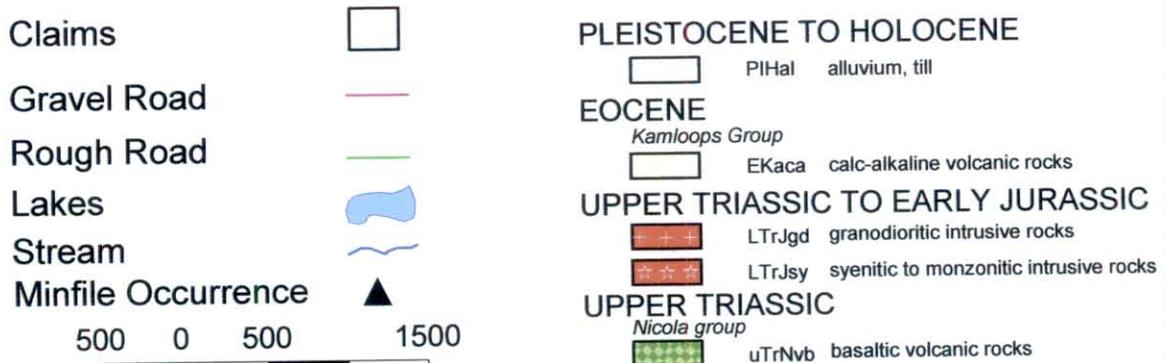
The Spout and Peach Lake area properties were allowed to lapse and were re-staked in 1987 by Peach Lake Resources, who completed soil geochemical, VLF-EM and magnetic surveys and excavator trenching. ASARCO re-optioned the Spout-Peach properties in 1988 and completed induced polarization surveys and percussion drilling in 1991. GWR Resources subsequently acquired the properties and formed a joint venture with Regional Resources in 1993. Diamond drill programs were completed in 1993, 1994 and 1995. A "drill indicated inventory" totalling 554,000 tonnes grading 1.8% Cu and 0.17 g/t Au was calculated for the Spout Lake deposit (MINFILE 092P120). In 1993, the Regional/GWR work led to a new discovery of bornite-chalcopyrite skarn mineralization not associated with a strong magnetic anomaly at the Nemrud occurrence (MINFILE 092P 003).

Figure 4 Murphy Lake Property - Geological Map



Murphy Lake Property, Lac La Hache - Williams Lake Area, BC MUR 1 and 2 Claims

Geology





MURPHY LAKE PROPERTY

GWR PROPERTY

TIM PROPERTY

MURPHY LAKE PROJECT

Figure 5

Regional Aeromagnetic Map
(from GSC maps 5232G, 5234G)

Scale: 1:50,000
NTS 92P/14 93A/3
Clinton & Cariboo Mining Divisions

5b Murphy Lake Property

The first work recorded in the area of the current Murphy Lake property was a reconnaissance program by Cyprus Exploration in 1969 involving geological mapping, geochemical sampling and ground geophysics (Assessment Report 2370).

In 1988 the Murphy Lake property area was covered by an airborne VLF-EM and magnetometer by Tide Resources Ltd. (Assessment Report 18,347, Gagne et al, 1989). A magnetic high was delineated in an area underlain by Nicola rocks south of the Mur 1 claim which was believed to indicate the presence of a magnetite-rich alkalic intrusion. A number of VLF-EM conductors were also identified in the area, which was recommended for follow-up work.

In 1993, the Regional Resources/GWR joint venture acquired the ground covered by the Mur 1 and 2 claims following the discovery of the Nemrud occurrence. Reconnaissance geological and geochemical surveys in the Murphy Lake area outlined an area of anomalous copper in monzonite. In 1995, the joint venture completed a program of ground geophysics (27 kilometres of induced polarization and magnetic surveys) and a number of IP chargeability anomalies were detected which were tested with 7 diamond drill holes (ML95-01 to 07) totalling 1146 metres. The drilling results were encouraging and discovered the Murphy Lake occurrence.

In 1996, Regional Resources underwent re-organization to form Silvertip Mining Corp., and the option on the Lac La Hache properties was not maintained. GWR Resources continued to work on the Spout Lake - Peach properties, while the Murphy Lake property was optioned to Churchill Resources in 1999. Churchill completed a program of linecutting, ground geophysics and reconnaissance geology and geochemistry on the Mur 1 and 2 claims. A total of 47 kilometres of flagged and picketed grid was established and magnetic and VLF-EM surveys completed over the northern portion of the current Murphy Lake property, mainly over the Mur 2 claim. Churchill collected several silt samples, but because of the high organic content of most samples, only five were suitable for analysis. One sample from the northern part of the Mur 2 claim returned a highly anomalous result of 106 ppb gold.

6 Regional Geology

The Murphy Lake property is located within the central part of the Quesnel Trough, within Quesnellia Terrane. The regional geology of the general area is described by Campbell and Tipper (1972), Panteleyev et al (1996) and Bailey (1990) and is shown in Figure 3.

The Quesnel Trough is a northwest-trending eugosynclinal belt underlain by island arc volcanic rocks and related sedimentary and intrusive rocks. The belt is more than 1000 kilometres in length and 30 to 35 kilometres wide. It contains a basal section of Triassic

sedimentary rocks overlain by Upper Triassic to Lower Jurassic arc-related volcanic rocks and co-eval sub-volcanic intrusive rocks. The western boundary of the Quesnel Trough is marked by the high-angle, strike-slip Pinchi Fault system and adjoins Cache Creek Terrane. To the east, Quesnellia rocks are thrust over the Omineca Crystalline Belt by the Eureka Thrust Fault. The Quesnel trough extends from northern Washington State to north-central British Columbia and is host to the most important porphyry and skarn occurrences in British Columbia including the Highland Valley Mine, Afton, Copper Mountain-Ingerbelle, Craigmont, Gibraltar, Mount Polly (Cariboo Belle), Kemess and the QR gold skarn.

In the southern part of the Quesnel Trough the eugosynclinal volcanic, sedimentary and subvolcanic intrusive rocks are assigned to the Nicola Group, which has a total thickness of approximately 7 kilometres. The basal sedimentary sequence consists of shale, argillite, phyllite, siltstone and limestone. The sedimentary sequence is overlain by subaqueous (and lesser subaerial) alkalic volcanic rocks deposited within a series of coalescing volcanic centres. The volcanic sequence includes olivine and pyroxene bearing flows, breccias and tuffs, as well as calcareous tuffs and volcanoclastic sandstone and breccia. Many of the volcanic centres have cores of high-level coeval alkalic rocks of syenitic, monzonitic and dioritic composition. These intrusive rocks are host to the alkalic suite of porphyry Cu-Au deposits within the Quesnel Trough, as well as being related to gold skarn mineralization in the calcareous sediments and volcanoclastic rocks.

Intrusive rocks of Jurassic to Cretaceous age cut the Nicola rocks and range in composition from quartz monzonite to quartz diorite and diorite. Local syenitic and gabbroic phases are also present. The zoned Takomkane batholith, dated at 187 to 198 Ma, is part of this Jurassic to Cretaceous suite. The batholith is 50 kilometres in width and its western margin is located on the eastern edge of the Murphy Lake property. The Takomkane batholith is cut by a younger quartz monzonite dated at 102 million years, which is host to the Boss Mountain molybdenum mine located approximately 50 kilometres east of Murphy Lake.

Flat-lying Tertiary volcanic rocks unconformably overlie the older deformed rocks. These include early Tertiary lavas of Eocene and Oligocene age and Miocene plateau and valley-fill basalts.

7 Property Geology

Oucrop is sparse on the property, averaging less than 1%. Most of the property covered by glacial till and glacio-fluvial deposits.

As a consequence of the extensive cover, much of the geological interpretation on the Murphy Lake property is inferred by projections of data from the better-exposed and moderately well-drilled GWR properties south of Spout and Peach Lakes, and from interpretation of geophysical data and drilling by the Regional Resources/GWR joint

venture. According to von Guttenberg (1996, Assessment Report 25,368) the property is underlain by coarse grained monzonitic to gabbroic intrusives containing 1 to 3% primary magnetite. The monzonitic and dioritic rocks are crosscut by steeply-dipping northeast- and east-striking pegmatite dykes as well as steeply-dipping northwest-striking fine grained diabase dykes. Nicola Group rocks outcrop south of the property, however the strong magnetic signature of parts of the Murphy Lake property suggest Nicola rocks could underlie some parts of the grid (Caron (1999), Assessment Report 26221).

8 Mineralization

Seven diamond drill holes were drilled on the Murphy Lake property by the Regional/GWR joint venture in 1995 to test anomalous chargeability (induced polarization) highs on the flanks of magnetic anomalies (Klit et al, 1994b; von Guttenberg, 1996b).

Copper mineralization was encountered in the form of fracture-controlled chalcopyrite and pyrite associated with moderate potassic alteration (k-feldspar), chlorite and minor quartz in coarse-grained magnetic monzonite. Mineralization is associated with a relative magnetic low, which indicates destruction of primary magnetite during hydrothermal alteration and sulphidization.

Anomalous copper grades ranging from 200 to 400 ppm are widespread throughout all of the drill holes. Von Guttenberg (1996; Assessment Report 25,368) reports that "anomalous copper ranging from approximately 200 to 400 ppm is widespread in all holes drilled however, higher grades were mainly found to be associated with a weak chargeability anomaly (9.5 milliseconds, 21 point filter) with a relative magnetic low located on line 5800N. This anomaly was tested with hole ML95-01 which intersected 45 metres of 0.2% copper including 15 metres of 0.41% copper at the footwall of the zone under 20 metres of overburden. Hole ML95-06, drilled 115 metres to the north on line 5915N returned 0.34% copper and 0.04 g/t gold over 53 metres of core length, including 1.14% copper and 0.08 g/t gold over 9.3 metres length in the footwall of the zone. The true width of the mineralized zone is 30-35 metres if the interpreted vertical dip is correct. It is open to depth and on strike, and from the IP response may continue as far south as 5400N and to the north beyond line 6600N, the last line on the grid."

9 Present Work Program

In July 2003, 6 field days (July 17 to 22) were spent completing a magnetic and VLF-EM survey over the Mur 1 and 2 claims. Line 1800E on the Regional/GWR grid prepared in 1995 was cleaned out and re-chained and then utilized as a baseline for the current work. Eleven east-west lines spaced at 200 metres from 4600N to 6600N were surveyed over a length of 2 kilometres each. The previously-cut Regional/GWR lines

spaced at 400 metres were utilized, as well as flagged fill-in lines spaced at 200 metres between the cut lines. The work was done by the author and Mr. Geoffrey Ingram. Mr. John Osterhagen of Discovery Consultants supervised the survey and prepared figures 7 to 9. The survey totalled 22 kilometres, with data recorded on the lines on stations spaced at 12.5 metres. The magnetic data was collected using a GSM-19 proton precession magnetometer manufactured by GEM Systems of Metropolitan Toronto, Ontario. This instrument measures variations of the earth's magnetic field to an accuracy of +/- 0.2 nanoteslas(nT). Corrections for diurnal variations were made by comparison with readings taken at 10-second intervals on a similar instrument, held fixed at a base station next to the camp. The VLF electromagnetic survey was carried out simultaneously with the magnetometer survey, utilizing a GSM 19 Omni-directional system. The Omni unit consists of a sensor that was attached to the GSM 19 backpack assembly, and is controlled from the same console as the magnetometer. The unit makes use of the VLF-EM transmitting stations operating for communication with submarines for its transmitted signal – the instrument measures the vertical in-phase and out-of-phase components as a percentage of the total field as well as two horizontal components, the date and the time. If a conductor is present, secondary fields are generated and measurements of these secondary fields provide indications as to the size, shape and conductivity of the conductor. In the absence of conductors no secondary fields are obtained. The unit can make automatic three station measurements, but here only the Seattle (24.8 Hz) and Hawaii (21.4 Hz) transmitters were recorded. The basic principle of any electromagnetic survey is that when a conductor is subjected to primary alternating fields, a secondary electromagnetic field is induced.

The data collected on the eleven lines are presented in Figures 7, 8 and 9. The contoured magnetic data has been presented at a scale of 1:5,000 in figure 7, and at a scale of 1:10,000 in figure 8. Contoured fraser-filtered VLF-EM data at a scale of 1:10,000 are shown on figure 9.

10 Discussion and Recommendations

Von Guttenberg (1996; Assessment Report 25,368) states that an economic deposit, mineable by open pit methods, would require a large tonnage, and a grade approaching one percent copper. The induced polarization surveys on lines spaced at 400 metres indicate a continuation and possibly an increase in the chargeability from 9.5 milliseconds to greater than 12 milliseconds on line 6600N, 685 metres north on the high-grade intersection in drill hole ML95-06. Von Guttenberg (1996; Assessment Report 25,368) also states that "there is sufficient room for a large tonnage deposit between hole ML95-06 on Section 5915N, which had the best intersection, and the northern limit of the claim group, close to the boundary of the aeromagnetic anomaly."

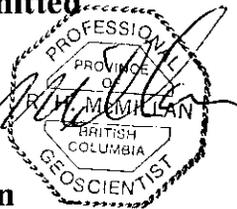
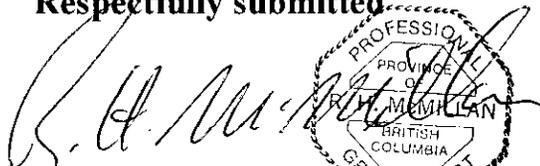
Von Guttenberg (1996; Assessment Report 25,368) recommended a two-stage program. Phase 1 would have entailed 40 kilometres of linecutting, induced polarization

and magnetometer surveying which would have included the western margin of the GSC airborne magnetic anomaly, followed by 1500 metres of diamond drilling at an estimated cost of \$250,000. Phase two would have entailed a second campaign of drilling at an estimated cost of \$450,000.

The author endorses the recommendations by von Guttenberg (1996; Assessment Report 25,368) and recommends the following staged program:

Phase 1	-linecutting, -induced polarization and magnetic surveys -diamond drilling (1500 metres)	\$ 250,000
Phase 2	-diamond drilling	<u>\$ 450,000</u>
<u>Total Phases 1 and 2</u>		<u>\$ 700,000</u>

Respectfully submitted



R.H. McMillan
Ph.D, P.Geo.

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Appendix I Certificate

I, RONALD HUGH McMILLAN, of 6606 Mark Lane, Victoria,
British Columbia (V9E 2A1), do hereby certify that:

1. I am a Consulting Geologist, registered with the Association of Professional Engineers and Geoscientists of British Columbia since 1992, and with the Association of Professional Engineers of Ontario since 1981.
2. I am a graduate of the University of British Columbia with B.Sc. (Hons. Geology, 1962), and the University of Western Ontario with M.Sc. and Ph.D. (1969 and 1972) in Mineral Deposits Geology.
3. I have practised my profession throughout Canada, as well as in other areas of the world continuously since 1962.
4. The foregoing report on the Murphy Lake Property is based on a review of the reports listed in the bibliography and on field work the Property and surrounding area on July 17 to 21 in the company of Mr. Geoffrey Ingram.
5. I own a 50% interest in the Mur 1 and 2 claims in partnership with Mr. R.R. Blusson of Vancouver, British Columbia.

The image shows a handwritten signature in black ink that reads "R. H. McMillan". To the right of the signature is a circular professional seal. The seal has a double-line border and contains the text "PROFESSIONAL" at the top, "PROVINCE OF" in the center, "R. H. McMILLAN" in the middle, "BRITISH COLUMBIA" at the bottom, and "GEOSCIENTIST" at the very bottom.

R. H. McMillan Ph.D., P.Eng., P. Geo.

Victoria, B. C.
15 December 2001

Appendix II

Expenses - Murphy Lake Project 2003

Date		Cost	GST	Total
July 13	ferry	\$ 44.75		
15	gas	63.85	4.47	
	gas	29.78	2.08	
	toll	10.00		
16	lunch	39.65	2.50	
	fruit	16.39		
	groceries	117.17	.30	
	dinner	15.18	1.06	
22	accommodation	300.00		
	salary G. Ingram	700.00		
	gas	23.36	1.64	
	gas	28.79	2.01	
	dinner	54.49	3.81	
23	gas	12.48	.87	
	toll	10.00		
	gas	80.09	5.61	
	ferry	42.75		
	dinner	6.98	.49	
	copying	16.45	1.07	
	magnetometer rental	125.00	8.75	
	generator rental	120.00		
	truck mileage 1436 km. @ \$0.20	430.00		
Dec. 15	salary R.H. McMillan (8 days \$ 550)	4400.00		
	drafting	225.00		
	copying	44.94	3.15	
	copying	23.06	1.50	
	report (4 days @ \$550)	2200.00		
	Total			9171.38

Appendix III

Murphy Lake Property July 2003 Magnetometer and VLF-EM Data

MURPHY LAKE property

July 2003 magnetometer and EM-VLF data

line(N)	station(E)	mag-corr	s.q.	freq	i-p	ff	o-p	h-comp	v-comp	fld str	freq	i-p	ff	o-p	h-comp	v-comp	fld str
6600	2600	53657	99	21.4	-31.6		29.2	12	2	7.0	24.8	7.7		5.4	54	28	60.0
6600	2575	53644	99	21.4	-31.6		32.8	24	-1	7.0	24.8	0.7		10.1	27	51	56.9
6800	2550	53452	99	21.4	-34.1	-2.5	31.5	50	0	7.3	24.8	0.4	-8.4	10.5	32	48	57.5
6800	2525	53470	99	21.4	-31.6	-9	31.9	50	-1	7.2	24.8	-1.4	-17	8.5	62	94	55.6
6800	2500	54031	99	21.4	-43.1	-22.2	32.6	50	-2	7.2	24.8	-14.5	-33.7	7.8	24	50	55.0
6600	2475	54964	24	21.4	-44.8	-15.8	31.3	48	-2	7.0	24.8	-20.2	-30.2	2.9	23	51	55.2
6600	2450	54903	99	21.4	-45.7	5.9	31.8	92	13	6.7	24.8	-25.9	18.1	-11.4	31	30	43.5
6600	2425	54536	99	21.4	-36.3	11.1	35	45	7	6.6	24.8	9.3	84.8	-10.2	68	62	45.6
6600	2400	54538	99	21.4	-43.1	5.5	42.7	93	15	6.7	24.8	29.4	68.3	-10.2	75	77	53.2
6600	2375	54631	99	21.4	-33.4	3.2	29.3	45	3	6.6	24.8	20.3	-5.7	-8.3	68	96	58.1
6600	2350	54710	99	21.4	-42.8	24	34.2	96	9	6.9	24.8	12.7	-29.8	-4	33	49	58.7
6600	2325	54949	99	21.4	-9.7	25	-1.7	39	2	5.6	24.8	7.2	-29	-0.9	32	49	57.9
6600	2300	54381	99	21.4	-41.5	-32.4	26.2	87	4	6.2	24.8	-3.2	-12.5	-2.9	18	110	55.1
6600	2275	55085	99	21.4	-43.4	-34.6	38	85	4	6.1	24.8	10.6	12.9	-2.7	8	53	52.7
6600	2250	55655	99	21.4	-42.4	-1.2	37.1	93	8	6.7	24.8	6.3	9	-2.2	20	53	55.8
6600	2225	55863	99	21.4	-43.7	7.2	35.9	45	0	6.4	24.8	10.1	16.9	-6.7	12	50	51.2
6600	2200	54674	99	21.4	-34.9	14.4	35.3	87	-16	6.4	24.8	23.7	25.4	-5.6	16	100	50.1
6600	2175	54200	99	21.4	-36.8	4.9	37	83	-19	6.1	24.8	18.1	-0.4	-4.5	9	56	56.0
6600	2150	54128	99	21.4	-36.9	29.1	38	87	-21	6.4	24.8	15.3	-14	-0.6	8	56	56.3
6600	2125	54554	99	21.4	-5.7	56	-7.5	67	-22	5.1	24.8	12.5	-11.8	-2.6	10	58	58.0
6600	2100	55102	59	21.4	-12	-19.4	-11.1	65	-15	4.8	24.8	9.1	-14.1	-5.3	18	57	59.3
6600	2075	55553	99	21.4	-50	-44.6	41.9	85	-8	6.1	24.8	4.6	-11.1	-5.4	23	55	59.3
6600	2050	55535	99	21.4	-12.3	51	-9.3	60	-11	4.4	24.8	5.9	14	-1.1	12	58	58.8
6600	2025	54963	99	21.4	1.3	20.4	3.4	56	-13	4.1	24.8	21.8	23.4	6.3	8	57	57.2
6600	2000	54686	99	21.4	-43.2	-23.8	41	89	-4	6.4	24.8	12.1	1.5	5.5	0	56	55.2
6600	1975	55001	99	21.4	8.4	0.9	7.3	49	-41	4.6	24.8	17.1	-5.7	9.6	-22	55	59.0
6600	1950	55131	99	21.4	-49.4	-11.1	45	127	-18	4.6	24.8	11.1	-6.7	2.9	10	58	58.3
6600	1925	55546	99	21.4	3.5	47.5	-0.6	62	-30	5.0	24.8	11.4	-5.5	0.1	0	57	56.4
6600	1900	56134	99	21.4	3	52.3	0.4	51	-41	4.7	24.8	11.3	-3.9	-2.3	-22	55	59.0
6600	1875	56838	99	21.4	3.4	-38.6	0.4	67	-11	4.9	24.8	7.3	-10.6	-5.8	17	56	58.5
6600	1850	57273	99	21.4	-35.5	-39.1	37.8	93	0	6.7	24.8	4.8	-7	-4.1	26	53	58.9
6600	1825	57398	99	21.4	2.8	-5.3	1.2	31	-13	4.8	24.8	6.8	5.1	-2.6	1	57	55.9
6600	1800	55996	99	21.4	-40.2	-5.6	45.9	86	-14	6.2	24.8	10.4	7.8	-1.6	2	55	54.8
6600	1775	55503	99	21.4	1.9	-7.1	-0.6	72	-14	5.3	24.8	9	-3.6	-1.3	18	56	57.9
6600	1750	55439	99	21.4	-46.4	-11.4	33.9	97	2	6.9	24.8	4.6	-11.2	-1.7	12	59	59.3
6600	1725	55503	99	21.4	-3.3	0.8	-1.6	33	-11	5.0	24.8	3.6	-5.6	-2.5	5	58	57.4
6600	1700	55618	99	21.4	-40.4	9.4	36.1	97	4	6.9	24.8	4.4	2.1	0.6	18	53	55.7
6600	1675	55836	99	21.4	0.1	1.9	-1.9	32	-13	5.0	24.8	5.9	2.6	3.2	2	60	59.1
6600	1650	56093	99	21.4	-41.9	-49.2	34.2	97	2	7.0	24.8	4.7	-0.8	5.2	13	59	59.8
6600	1625	56161	99	21.4	-47.6	-45	40.3	52	1	7.5	24.8	4.8	-2.2	6.2	15	57	58.1
6600	1600	56177	99	21.4	-39.2	1.8	36.5	50	0	7.3	24.8	3.6	-4.1	7.1	14	55	55.8
6600	1575	56245	99	21.4	-48.5	2.9	46.4	53	0	7.6	24.8	1.8	-6.7	10.5	16	58	60.1
6600	1550	56338	99	21.4	-35.4	10.5	44.4	49	-2	7.1	24.8	-0.1	-4.6	13.4	18	56	58.1
6600	1525	56508	99	21.4	-41.8	6.9	48.9	51	-1	7.3	24.8	0.9	-1.5	14.1	12	58	58.3
6600	1500	56805	99	21.4	-35.2	-5	41.3	48	1	6.9	24.8	-0.7	-4	13.4	30	51	58.8
6600	1475	57117	99	21.4	-47	-10.4	45.7	100	1	7.1	24.8	-2.5	-5.2	11.8	19	56	58.5
6600	1450	57372	99	21.4	-40.4	0.5	43.8	49	-2	7.0	24.8	-2.5	-5	9.4	15	55	56.1
6600	1425	57186	99	21.4	-41.3	-10.8	40.7	94	-9	6.8	24.8	-5.7	-15.3	6.5	1	57	56.0
6600	1400	56416	99	21.4	-56.9	-22.7	48	44	-5	6.4	24.8	-14.6	-23.6	1.9	-15	52	53.7
6600	1375	55884	99	21.4	-47.5	13.4	45.5	93	-6	6.7	24.8	-17.2	6.2	4.7	0	50	49.5
6600	1350	55165	99	21.4	-37.3	18.1	38.9	47	-1	6.8	24.8	3.1	52.5	8.6	24	42	47.6
6600	1325	56460	99	21.4	-49	-9	49.8	83	-14	6.0	24.8	17.6	47.5	11.5	-16	101	50.4
6600	1300	58391	99	21.4	-44.8	-2.4	49.2	83	-12	6.0	24.8	15.8	4.7	6.5	-2	57	56.6
6600	1275	58826	99	21.4	-43.9	2.4	47.1	85	-7	6.1	24.8	9.8	-25.7	4.2	5	57	56.9
6600	1250	57372	99	21.4	-47.5	-6.3	48.8	83	-11	6.0	24.8	-1.9	-36	3.6	-5	56	55.7
6600	1225	57382	99	21.4	-47.5	0.5	46.6	93	-7	6.7	24.8	-10.7	-43	0	4	56	56.0
6600	1200	58039	99	21.4	-43.4	2	51.4	48	-6	7.0	24.8	-24.6	-5.5	-11.3	3	50	50.0
6600	1175	57210	99	21.4	-49.6	-16.9	53.1	94	-10	6.8	24.8	6.5	57.3	-1.6	2	44	44.1
6600	1150	57817	99	21.4	-58.2	-24.3	62.3	48	-6	7.0	24.8	15.5	50.2	-1.5	0	98	48.4
6600	1125	58087	99	21.4	-59.1	-12.3	58.7	98	-8	7.1	24.8	16.6	18.2	-3.9	3	52	51.8
6600	1100	58004	99	21.4	-61	26.3	57.6	47	-1	6.8	24.8	23.6	18.8	-2.8	7	50	49.8
6600	1075	56958	99	21.4	-30	95.6	27.8	81	-12	5.8	24.8	27.3	4	1.5	13	54	55.0
6600	1050	56581	99	21.4	5.5	85.5	6.7	63	-43	5.5	24.8	16.9	-26.9	-0.2	-4	58	57.4
6600	1025	56255	99	21.4	-11	-6.2	16.4	84	-26	6.3	24.8	7.1	-31.7	-2.5	16	54	56.4
6600	1000	54725	99	21.4	-19.7	-59.7	12.2	92	-34	7.1	24.8	5.4	-19.9	-0.1	22	56	59.4
6600	975	56491	66	21.4	-45.5	-75.7	20.9	41	-12	6.2	24.8	-1.3	-14.3	5.5	13	52	53.6
6600	950	56595	99	21.4	-60.9	-62.2	40.2	99	-9	7.1	24.8	-0.5	-14.7	3.8	18	54	56.1
6600	925	57816	0	21.4	-66.5	-33	47.5	46	-7	6.8	24.8	-10.1	-18.5	1	3	56	55.6
6600	900	59913	99	21.4	-72.9	-23.9	48.7	100	-8	7.2	24.8	-10.2	0.8	-2.6	-1	49	49.0
6600	875	56051	99	21.4	-78.4	-10.8	57.9	54	0	7.8	24.8	0.4	26.4	-0.9	0	50	49.9
6600	850	57126	99	21.4	-71.8	4.9	65.3	53	-3	7.6	24.8	5.7	38.2	0.4	-13	49	49.9
6600	825	57121	99	21.4	-74.6	1.8	61.9	60	-2	8.6	24.8	22.7	28	5.2	-6	110	54.6
6600	800	56057	99	21.4	-73.8		68.4	58	1	8.4	24.8	11.4		2.2	-43	49	65.0
6400	1000	57360	49	21.4	-38.4		40.1	30	4	4.4	24.8	-13.4		-12.9	-6	59	58.3

MURPHY LAKE property

July 2003 magnetometer and EM-VLF data

line(N)	station(E)	mag-corr	s.q.	freq	i-p	ff	o-p	h-comp	v-comp	fld str	freq	i-p	ff	o-p	h-comp	v-comp	fld str
6400	1025	56469	99	21.4	-40.4	1.9	38.6	67	7	4.8	24.8	0	62.8	-7.5	-10	52	52.5
6400	1050	56332	99	21.4	-17	-32.5	5.3	42	20	3.3	24.8	16.9	62.4	-4.3	-5	51	51.2
6400	1075	56382	99	21.4	-59.9	25.7	26.9	127	-14	4.6	24.8	32.5	21.9	1.8	4	53	52.6
6400	1100	55516	99	21.4	-30	65.7	-2.5	43	28	3.7	24.8	46.8	-53.1	1.2	0	64	63.5
6400	1125	55368	99	21.4	-21.2	54.2	3.4	96	60	4.1	24.8	24.5	-82.8	-6.6	-9	71	70.5
6400	1150	55297	99	21.4	-3	32.1	7.5	52	33	4.4	24.8	1.7	-55.3	-5.5	-6	70	69.0
6400	1175	55572	99	21.4	6	-65.8	7.8	43	35	4.0	24.8	-13.2	-17.5	0.2	12	66	66.0
6400	1200	56117	99	21.4	1.9	-80.8	4.5	84	65	3.8	24.8	-15.9	26.1	3.2	15	57	58.1
6400	1225	57334	89	21.4	-64.7	51.6	47.5	127	12	4.6	24.8	-13.1	42.3	5.1	13	56	56.8
6400	1250	56543	99	21.4	-8.2	60.4	-6.5	41	35	3.9	24.8	10.1	25.5	-3.9	16	54	56.0
6400	1275	56188	99	21.4	-3	3.3	-3.9	78	64	3.6	24.8	3.2	5.9	-4.3	13	59	60.1
6400	1300	57637	57	21.4	-9.5	18	-7.3	82	53	3.5	24.8	19.3	-32.7	-1	8	53	53.4
6400	1325	57652	99	21.4	1.6	19.4	-2.8	80	57	3.5	24.8	-0.1	-36.7	-5.7	13	49	50.3
6400	1350	57500	99	21.4	3.9	50.6	-3	82	52	3.5	24.8	-10.1	0.3	-1.6	18	115	57.3
6400	1375	57126	99	21.4	7.6	44.8	-4.1	46	23	3.7	24.8	-7.4	22.7	0.9	4	59	58.5
6400	1400	57227	99	21.4	48.5	-8.8	-34.7	128	10	4.5	24.8	-2.5	24	2.2	-17	60	62.1
6400	1425	56212	99	21.4	7.8	3.1	-4.4	52	28	4.3	24.8	7.7	16.7	4.1	1	63	62.3
6400	1450	55631	99	21.4	39.5	-11.7	-21.4	58	22	4.5	24.8	6.4	15.7	-3.4	7	61	61.0
6400	1475	56303	99	21.4	19.9	-30.7	-16.1	64	23	4.9	24.8	15.5	3.2	-3.2	0	59	58.4
6400	1500	56707	99	21.4	15.7	-1.1	-15.9	64	24	5.0	24.8	14.3	-8.4	-2.4	2	55	54.0
6400	1525	55539	99	21.4	13	10.2	-21.9	56	28	4.5	24.8	10.8	-11.6	1.4	14	52	53.4
6400	1550	55509	99	21.4	21.5	-12.2	-23.9	58	28	4.6	24.8	9.6	-1.7	6.2	16	51	52.6
6400	1575	55628	99	21.4	17.4	-23	-18.5	65	20	4.9	24.8	3.9	11.4	4.8	-9	56	55.8
6400	1600	55345	99	21.4	4.9	-2.6	-19.4	67	16	5.0	24.8	14.8	-9.4	8.8	-18	52	54.2
6400	1625	55478	99	21.4	11	14.2	-22.7	57	16	4.3	24.8	10.1	-33.6	11.1	-3	50	49.6
6400	1650	54227	99	21.4	8.7	32.5	-23.7	59	12	4.4	24.8	-0.8	-34	8.5	-10	51	51.2
6400	1675	55812	99	21.4	21.4	32.4	-23.8	53	16	4.0	24.8	-7.9	-13.3	10.7	4	56	55.0
6400	1700	55175	99	21.4	30.8	10.1	-28.5	55	13	4.0	24.8	-16.8	28.5	8	-1	59	58.4
6400	1725	55013	99	21.4	31.7	5.3	-31.7	55	12	4.1	24.8	-5.2	42.5	7.3	-3	64	63.1
6400	1750	55856	99	21.4	30.6	2.2	-27.3	59	12	4.3	24.8	9	16.8	9.8	-2	61	60.7
6400	1775	56035	99	21.4	37.2	-30.9	-28.5	61	10	4.4	24.8	11.5	-9.6	11.2	-6	58	57.2
6400	1800	55136	99	21.4	27.3	-53.8	-17	57	7	4.2	24.8	9.1	-14.5	14.7	-25	52	57.5
6400	1825	57015	57	21.4	9.6	-23.6	-6.5	53	-5	3.9	24.8	1.8	-27.8	13.7	-41	33	51.9
6400	1850	56080	99	21.4	1.1	11.1	-8.8	52	-3	3.8	24.8	4.3	-49.7	15.7	-82	71	53.6
6400	1875	55907	99	21.4	12.2	3.4	-7.5	38	30	3.5	24.8	-21.2	-25.8	11.4	17	94	47.5
6400	1900		0	21.4	9.6	45.9	-8	83	60	3.7	24.8	-22.4	15	13.6	7	55	54.6
6400	1925		0	21.4	7.1	91.5	-8.2	89	71	4.1	24.8	-20.3	36.2	16.7	10	58	57.9
6400	1950	57140	24	21.4	60.6	-25.5	-53.7	127	13	4.6	24.8	-8.3	30	15	-3	63	62.3
6400	1975	57380	99	21.4	47.6	-62	-52.7	74	4	5.3	24.8	1.8	11.6	10.8	22	61	64.1
6400	2000	57303	99	21.4	-5.4	5.1	-4.5	45	27	3.8	24.8	-0.4	12.6	5.3	2	64	63.6
6400	2025	57379	99	21.4	51.6	-55.6	-44.7	127	3	4.5	24.8	5.5	8.5	2.2	-18	67	68.5
6400	2050	58026	99	21.4	-4.3	-46.4	0	48	21	3.8	24.8	8.5	-10.5	1.9	-1	66	65.0
6400	2075	58082	99	21.4	-5.1	23.2	0	112	-2	4.0	24.8	5.1	-15.1	1.5	-36	56	65.4
6400	2100	58325	99	21.4	6	42.8	3	56	12	4.1	24.8	-1.6	1.9	1.8	-12	62	62.2
6400	2125	58374	99	21.4	7.8	56.9	4.4	70	22	5.3	24.8	0.1	14	0.7	-10	68	67.6
6400	2150	58337	99	21.4	35.9	16.4	-27.7	91	16	6.6	24.8	5.3	7.4	2.2	-2	69	68.1
6400	2175	57948	99	21.4	34.8	-8.3	-27.7	46	7	6.7	24.8	7.2	-2.2	1.8	1	66	65.0
6400	2200	57325	99	21.4	25.3	26.4	-25.5	99	12	7.1	24.8	5.6	-2.6	-0.5	-11	65	65.3
6400	2225	56613	99	21.4	37.1	24.5	-26	49	-3	7.1	24.8	4.7	4.5	0	-30	62	68.5
6400	2250	55839	99	21.4	49.4	-3.6	-34.1	93	5	6.7	24.8	5.5	0.1	4.5	-1	65	64.5
6400	2275	55320	99	21.4	37.5	-28.6	-36.6	42	4	6.1	24.8	9.3	-15.3	1.5	2	64	63.4
6400	2300	55013	99	21.4	45.4	-26.2	-40.3	87	-6	6.2	24.8	1	-16.3	0.2	-18	58	60.3
6400	2325	54944	99	21.4	12.9	-9.6	7.2	29	41	3.6	24.8	-1.5	-3.3	-1.6	46	48	65.6
6400	2350	55133	99	21.4	43.8	-16.4	-29	127	15	4.6	24.8	-4.5	6.2	-4.2	-37	125	64.4
6400	2375	55077	99	21.4	4.9	23.7	0.7	61	32	4.9	24.8	0.7	7.6	5	9	66	66.2
6400	2400	55156	99	21.4	35.4	30.3	-28.2	90	-1	6.5	24.8	-0.5	14.1	1.5	-19	64	65.9
6400	2425	55657	99	21.4	37	-8.9	-34.7	41	7	6.0	24.8	4.3	15.6	2.3	5	66	64.9
6400	2450	55980	99	21.4	33.6	2.6	-30.3	86	11	6.2	24.8	10	16.5	-1.3	-5	68	66.9
6400	2475	55779	99	21.4	29.9	16.7	-27.5	91	-2	6.5	24.8	10.4	19	-8.2	-34	60	68.8
6400	2500	55432	99	21.4	43.3	2.5	-29.2	44	4	6.4	24.8	20.4	3.6	-9.4	-1	63	61.8
6400	2525	55480	99	21.4	36.9	-4.8	-31.6	91	0	6.6	24.8	19	-8.5	-4.2	-25	56	61.0
6400	2550	56181	99	21.4	38.8	7.7	-31.9	43	1	6.2	24.8	15.4	-17.7	-1.1	-13	59	59.7
6400	2575	56194	99	21.4	36.6	-28.6	-32	87	7	6.3	24.8	15.5	-35.9	-0.2	-11	57	57.3
6400	2600	55893	99	21.4	46.8	-49.1	-39.4	89	15	6.4	24.8	1.2	-24.7	0	0	56	55.5
6400	2625	55440	99	21.4	0	22.8	10.2	62	27	4.8	24.8	-6.2	4.4	0.6	0	55	54.4
6400	2650	55200	99	21.4	34.3	38.9	-31.8	87	17	6.4	24.8	-1.8	17	2.5	9	58	57.9
6400	2675	55151	99	21.4	35.3	20.4	-26.5	93	-8	6.7	24.8	1.2	15.6	5.8	-29	57	63.1
6400	2700	55019	99	21.4	37.9	20.2	-31.4	47	2	6.7	24.8	7.8	16.8	3.5	-17	62	63.5
6400	2725	54949	99	21.4	52.1	-7.3	-40.1	82	14	6.0	24.8	7.2	19.4	-1.8	14	61	61.9
6400	2750	54890	99	21.4	41.3	-6.1	-34.3	93	-5	6.7	24.8	18.8	-2.6	-3.6	-32	49	58.2
6400	2775	54505	99	21.4	41.4	7.7	-33.9	48	-2	7.0	24.8	15.8	-46.8	-0.9	-31	44	53.3
6400	2800	54085	99	21.4	45.9	-24.3	-30.4	89	7	6.4	24.8	7.4	-57.9	0.4	-30	97	50.4
6400	2825	53628	99	21.4	44.5	-78.3	-35.9	85	27	6.4	24.8	-19.8	-1	-0.5	-4	54	53.9
6400	2850	53658	99	21.4	18.5	-49	-18.5	110	5	7.9	24.8	-14.9	37.6	-5.4	-40	51	64.5
6400	2875	53664	99	21.4	-8.4	34.4	4.3	45	3	6.5	24.8	1.5	18.2	-2.6	-26	56	61.0

MURPHY LAKE property

July 2003 magnetometer and EM-VLF data

line(N)	station(E)	mag-corr	s.q.	freq	i-p	ff	o-p	h-comp	v-comp	fld str	freq	i-p	ff	o-p	h-comp	v-comp	fld str
6400	2900	53570	99	21.4	20.4	36.7	-21.5	105	11	7.6	24.8	1.4	8.7	1.3	-18	58	59.9
6400	2925	53593	99	21.4	26.1	11.1	-19.6	51	7	7.4	24.8	3.4	8.8	2.5	-6	58	57.7
6400	2950	53703	99	21.4	24.6	14.5	-20.7	51	0	7.3	24.8	8.2	-1.4	4.4	-23	55	58.5
6400	2975	53643	99	21.4	33		-23.6	49	1	7.1	24.8	5.4		1.2	-19	56	58.3
6400	3000	53727	99	21.4	32.2		-24.6	94	5	6.8	24.8	4.8		-2.7	-19	55	57.7
6200	1800	55294	99	21.4	-22.1	5.1	12.1	12	2	1.8	24.8	-5.3	11.2	-2	5	68	67.1
6200	1775	55736	99	21.4	-30.9	17.4	14.4	23	2	1.7	24.8	0.4	16.8	0.7	-7	65	65.1
6200	1750	55894	99	21.4	-13.4	19.7	13.3	45	11	1.7	24.8	2.1	10.2	5.4	-8	63	62.6
6200	1725	55737	99	21.4	-19.9	-1.2	10.2	98	13	1.8	24.8	3.2	2.8	6.2	-17	61	62.6
6200	1700	55366	99	21.4	-25.6	-20.9	4.9	53	5	1.9	24.8	2.1	-2.4	3.4	-18	60	62.3
6200	1675	55111	99	21.4	-28.6	6.7	7.8	58	6	2.1	24.8	0.8	-2.5	-4.9	-18	58	60.5
6200	1650	55236	99	21.4	-10.2	30	5.3	55	0	2.0	24.8	2	-2.3	-12.3	-36	49	60.4
6200	1625	55922	99	21.4	-14	16.5	5.8	76	-1	2.7	24.8	-1.4	-9.3	-9.9	-36	50	60.7
6200	1600	55931	99	21.4	-8.3	8.3	4.3	78	13	2.8	24.8	-5.1	-12.9	-10.8	-10	55	55.3
6200	1575	55982	99	21.4	-7.6	0.9	3.6	93	1	3.3	24.8	-7.2	-6	-5.1	-33	50	59.7
6200	1550	56028	99	21.4	-13.8	-12.5	4.8	46	9	3.4	24.8	-5.3	0.5	-2.1	-14	58	59.1
6200	1525	56055	99	21.4	-14.6	-4.7	6	82	33	3.2	24.8	-6.5	0.2	-1.1	4	59	58.3
6200	1500	55943	99	21.4	-11.5	3.7	6.1	86	28	3.2	24.8	-5.8	3.9	-2.3	-5	61	60.5
6200	1475	55836	99	21.4	-13.2	2.7	10.6	89	22	3.3	24.8	-2.1	8.3	-4.9	-11	59	59.0
6200	1450	55873	99	21.4	-10.2	1	9.5	86	30	3.3	24.8	-1.9	11.1	-6.7	-3	64	63.2
6200	1425	55694	99	21.4	-13.5	-9.6	12.7	82	30	3.2	24.8	5.1	23.9	-9.8	-5	64	63.9
6200	1400	55507	0	21.4	-19.5	-21.7	8.1	90	17	3.3	24.8	14.8	35.4	-11.4	-20	61	63.7
6200	1375	55753	99	21.4	-25.9	-13.9	13.6	41	9	3.0	24.8	23.8	-0.6	-9.8	-7	52	52.0
6200	1350	56253	99	21.4	-21	8.7	15.2	88	7	3.2	24.8	-4.5	-60.6	-13.5	-19	47	50.4
6200	1325	56560	99	21.4	-15.7	17.3	18.8	93	27	3.5	24.8	-17.5	-50.7	-11.3	-16	116	57.7
6200	1300	56965	99	21.4	-13.9	16	20.3	44	16	3.4	24.8	-13.9	20.2	-10.7	-4	61	60.7
6200	1275	57701	99	21.4	-6.8	17	6.2	88	40	3.5	24.8	12.1	44.6	-6.2	-12	61	62.0
6200	1250	58935	99	21.4	-5.8	15.8	6.2	92	23	3.4	24.8	1.1	-12	-6.2	-18	49	51.2
6200	1225	57665	99	21.4	0.9	-6.5	5.9	49	13	3.6	24.8	-14.9	-43.5	-5.3	-31	99	51.4
6200	1200	58105	99	21.4	-20	-42.8	15.3	101	48	4.0	24.8	-15.4	-9.1	-0.4	4	57	56.7
6200	1175	57640	99	21.4	-27.7	-37.4	10	56	18	4.2	24.8	-7.5	14.8	3	-4	60	59.9
6200	1150	58161	99	21.4	-28.8	-11.9	9.7	58	6	4.2	24.8	-8	9.7	5	-17	55	57.0
6200	1125	58576	99	21.4	-30.8	4.7	11.3	52	13	3.9	24.8	-5.2	-0.1	7.8	0	57	58.3
6200	1100	59250	99	21.4	-21	37.4	17.8	51	10	3.8	24.8	-10.4	-9.3	9.4	-10	60	60.1
6200	1075	58603	99	21.4	-1.2	34.6	7.4	43	10	3.2	24.8	-12.1	-11.7	8	-14	60	60.8
6200	1050	58381	99	21.4	-16	4.7	17.4	105	31	3.9	24.8	-15.2	-2.2	7	0	63	62.1
6200	1025	58019	99	21.4	-1.5	6.6	9.2	42	26	3.6	24.8	-9.5	30	6.7	9	68	67.8
6200	1000	57296	99	21.4	-9.1	-15	3.7	101	32	3.8	24.8	12.2	38.5	6.8	-20	69	71.3
6200	975	58165	99	21.4	-23.4	-28.1	16.7	55	16	4.1	24.8	1.6	-5.1	1.4	8	62	61.4
6200	950	58430	99	21.4	-15.3	-3.7	16.9	57	13	4.2	24.8	-4	-10.3	0.8	-10	63	63.2
6200	925	57799	99	21.4	-20.9	15.9	12.6	58	12	4.3	24.8	7.5	13	4	-12	63	63.2
6200	900	55506	99	21.4	-1.9	10.8	4.2	52	12	3.9	24.8	3.1	1	-0.8	-20	58	60.4
6200	875	55200	99	21.4	-23.5	-29.8	16.2	58	17	4.3	24.8	1.4	-11.2	-0.4	-5	57	56.4
6200	850	55249	99	21.4	-29.1	-2.8	22.4	46	21	3.7	24.8	-2	-7.1	0.4	14	53	54.7
6200	825	55154	99	21.4	0.9	28.4	4.4	77	69	3.7	24.8	-0.6	-6	-0.4	13	56	56.6
6200	800	56353	99	21.4	-25.1	-23.6	15.2	115	38	4.3	24.8	-6	-2.9	-2.8	-8	60	59.8
6200	775	55325	99	21.4	-26.7	-26.1	15.1	52	22	4.1	24.8	0.5	5.3	-0.9	3	61	60.2
6200	750	56170	99	21.4	-23.6	6.8	18	59	15	4.4	24.8	-1.8	-3.5	-2	-11	56	58.1
6200	725	56515	99	21.4	-21.4	9.2	12.5	61	9	4.4	24.8	-7.2	-11.5	-2.3	-22	54	57.6
6200	700	55917	99	21.4	-19.7	15.2	12.5	56	13	4.1	24.8	-5.6	6.1	-3.3	-14	61	61.6
6200	675	56451	99	21.4	-10.1	8.6	-2.4	52	19	4.0	24.8	2.7	10.7	-2.2	-11	59	59.1
6200	650	58052	99	21.4	-22.4	-15.2	11.6	61	16	4.5	24.8	-4.8	-12.8	0.4	-10	55	55.2
6200	625	59092	99	21.4	-22.6	-13.5	7.1	65	15	4.8	24.8	-10.9	-26.2	5.5	-7	54	54.2
6200	600	58921	99	21.4	-23.4	8.8	10.2	58	17	4.3	24.8	-17.4	-22.9	6	1	56	55.2
6200	575	57596	99	21.4	-12.8	13.6	12	59	17	4.4	24.8	-21.2	1.5	4.5	-5	62	62.0
6200	550	55633	99	21.4	-19.6		13.7	57	21	4.4	24.8	-5.6		2	-1	67	66.1
6200	1800	55325	99	21.4	30.2		-19.8	14	2	4.2	24.8	7.2		2.3	9	51	51.0
6200	1825	54951	99	21.4	31.5	10	-18.4	90	-9	6.5	24.8	7.1	4	2.7	-40	56	68.1
6200	1850	54759	99	21.4	34.7	-24	-21.4	41	3	5.9	24.8	10.9	-8.6	0.8	-14	64	64.8
6200	1875	54557	99	21.4	37	-59.9	-21.1	85	2	6.1	24.8	7.4	-11.2	-1.9	-19	62	64.5
6200	1900	54477	99	21.4	5.2	-28.7	3.2	65	14	4.8	24.8	4	-4.1	-2.7	-17	63	64.2
6200	1925	54465	99	21.4	6.6	2.7	4.5	60	25	4.7	24.8	3.1	3.6	-2.7	-2	67	66.3
6200	1950	54518	99	21.4	8.9	34.4	4	67	12	4.9	24.8	4.2	7.1	0	-19	67	69.1
6200	1975	54606	99	21.4	7.6	59.3	4.5	68	4	4.9	24.8	6.5	2	1.5	-31	62	68.5
6200	2000	54738	99	21.4	40.3	20.8	-22.9	82	8	5.9	24.8	7.9	-5.9	3.9	-7	65	64.5
6200	2025	54879	99	21.4	33.5	-1.4	-22.8	81	6	5.8	24.8	4.8	-2.8	2.8	-14	67	67.5
6200	2050	55194	99	21.4	35.2	4.6	-27.9	85	2	6.1	24.8	3.7	4.2	0.6	-30	64	70.4
6200	2075	55633	99	21.4	37.2	-30.7	-26.6	86	4	6.2	24.8	6.2	14.1	-3.6	-18	67	68.2
6200	2100	55759	99	21.4	36.1	-27.2	-23.5	75	15	5.5	24.8	6.5	40.5	-12.4	12	72	72.3
6200	2125	55664	99	21.4	5.6	13.1	8.7	65	13	4.8	24.8	17.5	46.9	-13.5	-18	69	70.4
6200	2150	55313	99	21.4	40.5	-16	-18.3	82	1	5.9	24.8	35.7	12.4	-23.8	-17	58	59.8
6200	2175	56253	99	21.4	14.3	-20.4	11.1	50	33	4.3	24.8	35.2	-7	-18.8	18	58	60.1
6200	2200	56279	99	21.4	15.8	15.3	12	54	23	4.2	24.8	30.4	-11.6	-13.8	0	53	52.1

MURPHY LAKE property

July 2003 magnetometer and EM-VLF data

line(N)	station(E)	mag-corr	s.q.	freq	i-p	ff	o-p	h-comp	v-comp	fld str	freq	i-p	ff	o-p	h-comp	v-comp	fld str
6200	2225	56375	99	21.4	18.6	58.5	10.8	58	16	4.3	24.8	33.5	-47.4	-7.1	-7	48	47.8
6200	2250	55618	99	21.4	26.8	48	15.2	43	29	3.7	24.8	20.5	-61.2	-5.1	17	93	46.7
6200	2275	56680	99	21.4	66.1	-42.8	-30.5	126	-18	4.6	24.8	-4	-46	-7.6	-29	42	50.5
6200	2300	57483	99	21.4	27.3	-23.6	15.8	51	17	3.9	24.8	-3.2	-34	-3.5	-22	90	45.8
6200	2325	57373	99	21.4	22.8	13.4	8.6	60	14	4.4	24.8	-26.3	20.8	-3.6	-22	49	53.6
6200	2350	56478	99	21.4	47	-45	-25.2	79	-5	5.7	24.8	-14.9	82.2	4.7	-35	54	63.9
6200	2375	55859	99	21.4	16.5	-46.4	5.5	57	17	4.3	24.8	6	78.5	5.6	-5	71	69.9
6200	2400	54137	99	21.4	8.3	-11.3	6.6	60	7	4.4	24.8	35	-5.7	-0.8	-37	57	67.6
6200	2425	53440	99	21.4	8.8	26.2	8.1	51	25	4.1	24.8	34.6	-66.5	-1.1	-7	62	62.1
6200	2450	54106	99	21.4	4.7	62.1	4.6	54	16	4.0	24.8	0.7	-16.9	-9.4	-17	50	52.8
6200	2475	55042	99	21.4	38.6	20.9	-30.9	78	8	5.6	24.8	2.4	32.2	-7.6	-19	55	58.0
6200	2500	53221	99	21.4	37	-57.4	-34.2	76	13	5.6	24.8	16	28.3	-7.8	-11	58	58.3
6200	2525	53207	99	21.4	27.2	-51.3	-28.8	77	11	5.6	24.8	19.3	22.3	-7.3	-19	54	56.9
6200	2550	53338	99	21.4	-9	-10.3	3.3	61	14	4.5	24.8	27.4	17.3	-5.1	-27	52	58.3
6200	2575	53359	99	21.4	21.9		-29.5	79	11	5.7	24.8	30.2		-1.1	-24	50	55.3
6200	2600	53441	99	21.4	-14		-4.2	61	14	4.5	24.8	33.8		6.9	-21	44	48.5
6000	550	55486	99	21.4	8.5		2	44	28	3.8	24.8	-9		-1.3	0	63	62.4
6000	575	56033	99	21.4	17.4	12.8	-13.1	117	27	4.3	24.8	4.6	16	-5.2	-19	60	62.0
6000	600	55996	99	21.4	18.3	-3	-11.3	61	15	4.5	24.8	2.4	11.8	-8	-13	61	61.5
6000	625	56283	99	21.4	20.2	-15.5	-16.9	56	20	4.2	24.8	9.2	7.5	-8.6	1	61	60.7
6000	650	56604	99	21.4	12.5	-3.3	-14.1	64	0	4.6	24.8	9.6	-3.1	-7.1	-38	48	61.2
6000	675	56392	99	21.4	10.5	-7	-15.3	63	7	4.6	24.8	9.5	-10.5	-3.7	-58	109	61.3
6000	700	56700	99	21.4	18.9	-17.5	-19.5	59	15	4.4	24.8	6.2	-2.9	-1.8	-9	56	56.4
6000	725	56875	99	21.4	-2.9	14.2	-0.8	51	22	4.0	24.8	2.4	16	-1	-13	59	60.4
6000	750	56482	99	21.4	14.8	20.2	-21.8	60	13	4.4	24.8	10.4	4.9	1.9	-14	62	62.6
6000	775	56604	99	21.4	15.4	17.1	-22.9	60	11	4.4	24.8	14.2	-10.5	3.1	-16	55	56.6
6000	800	56392	99	21.4	16.7	-3.8	-21.9	59	14	4.3	24.8	3.5	0.4	-0.9	-8	54	54.0
6000	825	56836	99	21.4	30.6	-50.2	-1.8	58	9	4.3	24.8	10.6	-6.3	-0.2	-12	55	55.5
6000	850	56262	99	21.4	-2.3	5.9	-5.2	51	19	3.9	24.8	7.5	-18.4	0.5	-11	51	51.7
6000	875	56665	99	21.4	-0.6	30.7	-1.6	52	15	3.9	24.8	0.3	4.4	0	-15	56	57.4
6000	900	56284	59	21.4	34.8	-7	-33.4	54	23	4.2	24.8	-0.6	9.9	0	10	55	55.6
6000	925	56340	0	21.4	-7	11.1	-7.9	50	17	3.8	24.8	12.8	-35.7	8.7	-11	51	52.1
6000	950	56754	99	21.4	34.2	4.9	-30.2	58	15	4.3	24.8	-3.2	-48.2	5.6	2	52	51.2
6000	975	57240	99	21.4	4.7	-9.9	-5.3	53	10	3.9	24.8	-20.3	2.7	6.3	-21	51	55.1
6000	1000	56434	99	21.4	27.4	-30.6	-19.6	61	7	4.4	24.8	-18.3	41.2	5.4	-22	55	58.8
6000	1025	55036	99	21.4	1.6	-6	-3.9	56	9	4.1	24.8	-2.5	26.6	4.8	-24	58	62.0
6000	1050	55921	99	21.4	-0.1	18	-3.9	57	3	4.1	24.8	5.1	7	2.6	-31	53	60.9
6000	1075	55479	99	21.4	23.1	-29.2	-18.1	61	3	4.4	24.8	0.7	13.8	-2.2	-27	53	58.8
6000	1100	56260	99	21.4	-3.6	-18.7	-5.7	55	9	4.0	24.8	8.9	5.9	-4.5	-23	53	57.0
6000	1125	56758	99	21.4	-2.6	31.2	-4.6	55	6	3.9	24.8	10.7	-19.7	-3.9	-24	52	56.9
6000	1150	57336	99	21.4	3.4	50.7	-5.9	52	25	4.2	24.8	4.8	-30.3	-3.6	2	52	51.2
6000	1175	57423	99	21.4	21.6	34.6	-17.9	68	5	4.9	24.8	-4.9	-21.8	1	-6	51	50.6
6000	1200	58024	99	21.4	29.9	10.6	-21.5	64	5	4.6	24.8	-9.9	-10.7	3.9	0	52	51.9
6000	1225	58282	99	21.4	29.7	8.6	-25.5	73	6	5.3	24.8	-12	3.6	8.2	-10	55	55.0
6000	1250	58040	99	21.4	32.4	-1.8	-28.3	71	12	5.2	24.8	-13.5	28	11.8	-3	57	56.9
6000	1275	57200	99	21.4	35.8	-28.4	-2.8	69	12	5.1	24.8	-4.8	35.1	10.9	-2	63	62.3
6000	1300	59061	99	21.4	24.5	-17.4	-10.7	51	29	4.2	24.8	7.3	17.3	8.9	8	60	59.6
6000	1325	58861	99	21.4	15.3	-2.6	-6.3	57	35	4.8	24.8	9.5	1.7	5.1	3	57	56.8
6000	1350	58323	99	21.4	27.6	-24.5	-21.2	74	16	5.5	24.8	10.3	-6.4	2.2	-9	57	57.2
6000	1375	57765	99	21.4	9.6	-25.3	-1.7	68	9	5.0	24.8	8.2	-9.5	1.9	-27	51	56.9
6000	1400	56579	99	21.4	8.8	-11.8	-1.2	63	17	4.7	24.8	5.2	-9.9	1.8	-20	55	57.8
6000	1425	56516	99	21.4	3.1	-2.8	-1	64	18	4.8	24.8	3.8	-9.2	3.2	-17	55	57.3
6000	1450	57182	99	21.4	3.5	4.3	5.2	61	-16	4.5	24.8	-0.3	-2.4	-2.7	-50	38	62.0
6000	1475	57676	99	21.4	5.6	1.7	5.1	62	17	4.6	24.8	0.1	3	-0.5	-32	122	62.5
6000	1500	57292	99	21.4	5.3	1.1	5	61	18	4.6	24.8	1	4.1	-1.1	-12	62	62.7
6000	1525	57371	99	21.4	5.5	0.8	3.4	64	17	4.8	24.8	1.8	1.7	-1.9	-15	61	62.5
6000	1550	57381	99	21.4	6.5	-0.5	4	64	18	4.8	24.8	3.4	-6.9	-2.1	-15	62	63.3
6000	1575	57282	99	21.4	5.1	0	4.3	65	9	4.7	24.8	1.1	-4.4	-0.6	-24	58	62.6
6000	1600	57070	99	21.4	6.4	31	3.7	59	27	4.7	24.8	-2.8	6.9	-0.3	0	62	61.5
6000	1625	56991	99	21.4	5.2	64.5	-0.8	49	39	4.5	24.8	2.9	3.9	1.8	20	63	65.8
6000	1650	56801	99	21.4	37.3	4.4	-27.8	123	40	4.6	24.8	2.3	-2.5	3.4	4	64	63.0
6000	1675	55859	99	21.4	38.8	-63.2	-24.3	75	18	5.5	24.8	1.7	-1.5	1.8	2	67	66.6
6000	1700	55485	99	21.4	8.1	-19.9	0.2	43	41	4.3	24.8	1	4.3	2.6	28	60	65.6
6000	1725	55475	99	21.4	4.8	12.4	3.6	113	59	4.6	24.8	1.5	13.6	0	6	68	67.0
6000	1750	56089	99	21.4	22.2	3.5	-15.7	73	17	5.4	24.8	5.5	5.8	-3.9	-9	68	67.9
6000	1775	56510	99	21.4	3.1	49	3.7	42	44	4.4	24.8	10.6	-12.2	-1	30	60	66.7
6000	1800	56145	99	21.4	27.4	38.5	-21.2	126	38	4.7	24.8	2.2	-5.9	-2.7	-5	64	63.1
6000	2600	53773	99	21.4	29.5		-4.5	81	13	5.9	24.8	-53.3		14	-76	99	61.9
6000	2575	53782	99	21.4	2.3		-9.5	63	39	5.3	24.8	-23.1		10.4	-1	71	70.1
6000	2550	53773	99	21.4	-3.6	-37.1	-10.1	71	20	5.3	24.8	-11.3	55.7	8.1	-16	66	67.0
6000	2525	53825	99	21.4	-1.7	-2	-7.4	67	24	5.1	24.8	-9.4	18.2	6.6	-4	61	60.2
6000	2500	53741	99	21.4	-1.6	-0.2	-4.4	76	18	5.6	24.8	-6.8	6.2	5.1	-14	60	60.5
6000	2475	53808	99	21.4	-3.9	-9	-4.8	74	1	5.3	24.8	-7.7	1.1	2.8	-34	52	62.0

MURPHY LAKE property

July 2003 magnetometer and EM-VLF data

line(N)	station(E)	mag-corr	s.q.	freq	i-p	ff	o-p	h-comp	v-comp	fld str	freq	i-p	ff	o-p	h-comp	v-comp	fld str
6000	2450	54125	99	21.4	-8.4	-44.3	-3.7	73	15	5.3	24.8	-7.4	4.9	-0.9	-22	57	60.7
6000	2425	55500	99	21.4	-41.4	-41.9	31.4	96	1	6.9	24.8	-2.2	11	-1.6	-24	54	58.5
6000	2400	55129	99	21.4	-12.8	-1.6	1.3	41	4	5.9	24.8	-1.9	6.2	-2.3	-27	57	62.3
6000	2375	54773	99	21.4	-38.6	-23.3	27.9	99	10	7.1	24.8	-1.5	-3.4	-2.6	-16	61	62.5
6000	2350	54997	99	21.4	-38.9	-29.1	32.2	51	4	7.3	24.8	-6	-14	0	-16	57	58.8
6000	2325	55368	99	21.4	-41.6	-2.9	34.1	50	1	7.2	24.8	-11.4	-16.7	3.5	-16	57	58.6
6000	2300	55586	99	21.4	-38.8	2.8	38.2	49	3	7.1	24.8	-12.8	-2.7	5.4	-14	58	59.4
6000	2275	55783	99	21.4	-38.9	7.1	38.3	49	1	7.1	24.8	-7.3	13.9	6	-19	60	61.8
6000	2250	55364	99	21.4	-34.4	2.1	41.5	98	15	7.1	24.8	-3	21.6	5	-10	62	62.6
6000	2225	55101	99	21.4	-41.2	-0.6	35.9	47	-4	6.7	24.8	4.5	16.7	7.2	-29	55	61.2
6000	2200	55164	99	21.4	-32.7	40.6	40	89	12	6.4	24.8	1.9	-7.7	5.3	-6	55	55.0
6000	2175	55331	99	21.4	-2.3	63.9	3.5	73	11	5.3	24.8	-8.1	-15.6	0.7	-18	57	59.3
6000	2150	55634	99	21.4	-7.7	19.5	-1.7	68	12	4.9	24.8	-1.1	-3.8	4.6	-16	54	56.2
6000	2125	56117	99	21.4	-7.8	-32.7	-3.2	66	20	5.0	24.8	-8.9	-11.8	1.6	-9	57	56.7
6000	2100	56466	99	21.4	-34.9	-52.4	39.3	92	6	6.6	24.8	-12.1	-10.4	1.8	-20	60	62.4
6000	2075	56388	99	21.4	-33	-21.6	36.2	44	5	6.4	24.8	-8.3	7.3	2.5	-14	60	60.9
6000	2050	56193	99	21.4	-31.3	-3	34.1	89	6	6.4	24.8	-5.4	12.9	2	-19	58	60.2
6000	2025	56004	99	21.4	-39.6	-22.8	37.5	88	15	6.4	24.8	-2.1	9.8	0	-4	59	58.4
6000	2000	55939	99	21.4	-47.5	15.7	53.1	79	19	5.8	24.8	-1.8	4.9	-1.2	15	58	59.8
6000	1975	56004	99	21.4	-7.7	48.1	0.5	55	36	4.8	24.8	-0.8	-1.7	-2.6	12	59	59.6
6000	1950	56082	99	21.4	-31.3	17.1	36.3	90	11	6.5	24.8	-4.8	-12	-3	-21	53	56.3
6000	1925	56376	99	21.4	-6.8	1.4	-1.2	35	7	5.1	24.8	-9.8	-12.4	-0.2	-10	56	56.5
6000	1900	56477	99	21.4	-30.8	3.6	39.6	94	2	6.7	24.8	-8.2	1.7	0.5	-28	55	60.8
6000	1875	56350	99	21.4	-3.7	3.3	-4.1	37	4	5.3	24.8	-4.7	9.3	1.8	-21	59	62.1
6000	1850	56741	99	21.4	-30.6	-34.5	29.2	91	0	6.5	24.8	-4	6	1.3	-32	52	60.4
6000	1825	56328	96	21.4	-38.4	-40	33.2	48	-4	7.0	24.8	-2.9	4.8	0.8	-34	53	62.0
6000	1800			21.4	-35.9		36.6	85	17	6.2	24.8	-1		1.7	1	59	58.2
6000	2600	53773	99	21.4	27.6		-4.6	111	61	4.5	24.8	-58.1		15.8	24	106	53.6
6000	2575	53782	99	21.4	-25.4		22.1	74	16	5.4	24.8	-26.7		11.8	21	61	63.5
6000	2550	53773	99	21.4	-2.6		-8.1	62	19	4.6	24.8	-15.1		8.6	19	63	65.1
6000	2525	53825	99	21.4	-2.1		-6.3	57	20	4.4	24.8	-9		7.4	5	56	55.5
6000	2500	53741	99	21.4	0		-4.1	58	21	4.3	24.8	-9.2		5.5	6	56	55.3
6000	2475	53808	99	21.4	-1.8		-3	63	4	4.5	24.8	-10.6		3.6	29	51	58.2
6000	2450	54125	99	21.4	-6.2		-1.3	63	7	4.5	24.8	-9.1		-0.1	27	50	56.6
6000	2425	55500	99	21.4	-5.8		0.2	65	4	4.7	24.8	-5		-0.4	28	51	57.5
6000	2400	55129	99	21.4	-10.5		3.4	63	18	4.7	24.8	-3.8		-1.4	13	53	53.9
6000	2375	54773	99	21.4	-46.9		43	78	18	5.7	24.8	-4.5		-1.7	8	53	53.2
6000	2350	54997	99	21.4	-14.4		6.6	66	17	4.9	24.8	-10.1		2.2	10	49	50.0
6000	2325	55368	99	21.4	-12		8	60	23	4.7	24.8	-14.6		4.2	-1	53	52.6
6000	2300	55586	99	21.4	-44.2		40.7	81	9	5.9	24.8	-14.5		7	13	49	49.8
6000	2275	55783	99	21.4	-43.7		48.9	78	17	5.7	24.8	-11.3		6.6	15	108	53.8
6000	2250	55364	99	21.4	-11.6		6.2	66	8	4.8	24.8	-6.6		6.5	19	55	57.2
6000	2225	55101	99	21.4	-40.8		42.5	79	6	5.7	24.8	-0.2		6.1	21	52	55.2
6000	2200	55164	99	21.4	-39.2		41.6	74	9	5.4	24.8	-0.1		6.1	13	49	49.9
6000	2175	55331	99	21.4	-2.9		4.7	64	-2	4.6	24.8	-10.2		0.7	55	93	53.6
6000	2150	55634	99	21.4	-44.9		41.4	81	4	5.8	24.8	-3.9		5.4	27	49	55.5
6000	2125	56117	99	21.4	-8.1		-2.1	59	15	4.4	24.8	-12.4		2.4	7	53	53.2
6000	2100	56466	99	21.4	-5.8		-0.9	58	20	4.4	24.8	-12.2		3.6	4	55	54.7
6000	2075	56388	99	21.4	-35.5		38.3	77	2	5.5	24.8	-8.9		2.6	29	51	58.5
6000	2050	56193	99	21.4	-42.9		43.7	79	15	5.8	24.8	-6.6		3	9	56	56.6
6000	2025	56004	99	21.4	-4		0.8	62	-10	4.5	24.8	-3.5		1.6	42	42	58.5
6000	2000	55939	99	21.4	-33.1		46.1	78	14	5.7	24.8	-5.9		0.5	36	106	55.3
6000	1975	56004	99	21.4	-8.8		2.5	67	0	4.8	24.8	-5.3		-1.6	32	51	60.0
6000	1950	56082	99	21.4	-7.9		3.2	69	5	5.0	24.8	-4.3		-2.1	25	52	57.1
6000	1925	56376	99	21.4	-9.9		1.7	65	-10	4.7	24.8	-4.7		-1.2	41	44	59.8
6000	1900	56477	99	21.4	-8.5		3.5	66	8	4.8	24.8	-5.5		-4.6	41	110	58.0
6000	1875	56350	99	21.4	-10.5		1.9	66	0	4.7	24.8	-4.6		-8.3	30	52	59.3
6000	1850	56741	99	21.4	-35		38.3	78	-5	5.6	24.8	-1.7		-10.4	41	46	60.9
6000	1825	56328	96	21.4	-2.7		0	59	-21	4.5	24.8	2		-10.5	94	77	60.0
5800	1800	56509	55	21.4	-54.7	-76.5	36.1	12	0	7.1	24.8	-6.2	-19.7	-7.7	21	51	54.9
5800	1775	58273	99	21.4	-61.7	-71.8	38.6	25	0	7.4	24.8	-7.1	-12.8	-5.3	12	58	58.9
5800	1750	58070	99	21.4	-53.1	21.6	32.1	49	-1	7.0	24.8	-9.9	-6	-3.2	13	58	59.3
5800	1725	57596	99	21.4	-41.7	23	33.5	98	1	7.0	24.8	-9.4	5.2	-0.5	16	57	59.1
5800	1700	56795	99	21.4	-50.1	-15.7	37.6	51	1	7.3	24.8	-2.4	17.8	-1.3	0	59	58.6
5800	1675	56179	99	21.4	-60.4	-20.7	35.9	51	-1	7.3	24.8	0.9	13	-1.7	12	57	58.0
5800	1650	55844	99	21.4	-52.1	13.7	34.3	50	0	7.3	24.8	0.3	-4.9	-0.3	13	54	55.3
5800	1625	55887	99	21.4	-44.7	27.4	32.1	50	-2	7.3	24.8	-6.7	-18.2	0	26	50	56.3
5800	1600	56080	99	21.4	-40.4	17.3	33.2	49	1	7.1	24.8	-10.3	-19.8	1.3	18	52	54.7
5800	1575	56200	99	21.4	-39.1	0.1	29.7	102	1	7.3	24.8	-15.9	-14.1	2.5	19	52	54.8
5800	1550	56182	99	21.4	-45.9	-18.9	35	52	3	7.5	24.8	-15.2	2.6	3.5	1	60	58.9
5800	1525	56136	99	21.4	-52.5	-14.6	36.5	54	-1	7.8	24.8	-8.4	16.8	2.9	14	59	59.8
5800	1500	56068	99	21.4	-47.1	6.6	31.7	54	2	7.8	24.8	-5.9	10.6	1.9	1	59	57.9
5800	1475	56107	99	21.4	-44.7	17.2	31.2	56	1	8.0	24.8	-7.1	2.8	1.8	8	57	56.7

MURPHY LAKE property

July 2003 magnetometer and EM-VLF data

line(N)	station(E)	mag-corr	s.q.	freq	i-p	ff	o-p	h-comp	v-comp	fld str	freq	i-p	ff	o-p	h-comp	v-comp	fld str
5800	1450	56118	99	21.4	-37.7	10.4	32.6	57	0	8.2	24.8	-4.6	1.7	2.1	18	56	58.2
5800	1425	56288	99	21.4	-43.7	-2.7	31.6	57	1	8.2	24.8	-6.7	-8.9	5.4	10	54	54.2
5800	1400	56176	99	21.4	-41.4	-8.5	33	57	2	8.1	24.8	-13.9	-14.5	6.3	20	54	56.8
5800	1375	56236	99	21.4	-48.5	-10	33.4	56	-1	8.0	24.8	-11.9	3	5.7	23	58	61.5
5800	1350	56390	99	21.4	-46.8	-5.5	30.6	59	-3	8.6	24.8	-5.7	13.5	5.3	33	55	64.2
5800	1325	56651	99	21.4	-46.8	0.3	31.4	60	0	8.6	24.8	-6.6	-1.5	4.9	22	62	64.7
5800	1300	56862	99	21.4	-46	-3.4	31.1	60	-3	8.7	24.8	-12.5	7.5	0.4	42	55	69.1
5800	1275	57075	99	21.4	-52.8	-13.5	33.6	63	2	9.1	24.8	7.7	53.9	-3.4	21	77	78.6
5800	1250	57686	99	21.4	-55.5	-4	29.6	60	1	8.6	24.8	27.1	49.7	-3.1	8	64	63.7
5800	1225	57555	99	21.4	-47.3	20	30.1	62	-3	8.9	24.8	17.8	-14.8	-3.2	28	54	60.2
5800	1200	57272	89	21.4	-41	15.1	28.4	57	0	8.2	24.8	2.2	-50.7	-2	18	54	56.0
5800	1175	57421	99	21.4	-46.7	0.7	31.6	57	3	8.2	24.8	-8	-37.5	0.2	-2	58	56.9
5800	1150	58226	99	21.4	-40.9	17.1	30.1	61	3	8.8	24.8	-9.5	-13.9	5.3	5	58	57.9
5800	1125	56684	99	21.4	-29.7	46	22.8	58	2	8.3	24.8	-10.2	-18.9	8.6	11	57	57.4
5800	1100	57551	99	21.4	-11.9	52.4	19.7	59	-1	8.5	24.8	-26.2	-37.1	7.4	28	51	57.6
5800	1075	56661	99	21.4	-6.3	18.7	15.4	65	4	9.4	24.8	-30.6	-11.8	6.1	30	60	66.7
5800	1050	56113	99	21.4	-16.6	-16.6	15.4	67	9	9.8	24.8	-17.6	25.5	6.6	24	66	69.9
5800	1025	55973	99	21.4	-18.2	-12	19.3	63	15	9.3	24.8	-13.7	32.5	2.3	16	69	70.0
5800	1000	58391	99	21.4	-16.7	-11.7	18.9	68	3	9.8	24.8	-2	29.6	0	46	58	73.2
5800	975	57353	46	21.4	-29.8	-25.8	24.5	64	9	9.3	24.8	0.3	10.9	-1.1	27	62	66.4
5800	950	57225	99	21.4	-30.9	-11.4	22.8	63	11	9.2	24.8	-5.1	-9.5	-0.8	22	63	65.8
5800	925	56231	99	21.4	-27	1.8	21.6	64	1	9.3	24.8	-6.1	0.5	0.8	36	57	66.9
5800	900	56352	99	21.4	-31.9	-6.3	20.2	62	3	8.9	24.8	1.8	8.2	0.5	35	61	69.4
5800	875	57077	99	21.4	-32.3	-2.3	22.2	61	5	8.8	24.8	-4.8	-10.5	2.4	18	66	67.3
5800	850	57489	99	21.4	-26.9	-16.5	24.7	60	4	8.6	24.8	-10	-10.4	2.1	20	68	69.7
5800	825	57037	99	21.4	-54.8	-36.7	41.7	93	13	6.8	24.8	-3.4	13.5	-0.5	-42	65	76.5
5800	800	56687	99	21.4	-43.1		45.1	49	10	7.2	24.8	2.1		-2.5	-38	67	76.2
5800	1800	58504	99	21.4	24.2		-15.7	29	5	4.2	24.8	4.4		8.3	-2	58	56.9
5800	1825	58125	99	21.4	18.8	-9.5	-16.8	64	1	4.6	24.8	-0.2	-16.7	11.7	-25	55	59.9
5800	1850	57877	99	21.4	21.1	-5.8	-14.9	66	0	4.7	24.8	-6.2	-3.6	14.7	-24	54	58.6
5800	1875	57936	99	21.4	12.4	7.7	-7.3	50	19	3.8	24.8	-6.3	11.5	14.3	-2	58	57.4
5800	1900	58250	99	21.4	21.7	-9.2	-12.7	64	10	4.6	24.8	-3.7	18.2	10.4	-9	63	62.8
5800	1925	58557	99	21.4	19.5	-9.5	-12.4	67	-5	4.8	24.8	2.7	11.9	7	-37	54	65.0
5800	1950	57824	99	21.4	5.4	8.2	0.6	58	7	4.2	24.8	5.5	3.3	2.5	-24	56	60.7
5800	1975	57083	99	21.4	26.3	-18.4	-12.5	66	7	4.8	24.8	5.4	-2.9	1.3	-3	57	56.6
5800	2000	56778	99	21.4	6.8	-17.7	-1.3	43	34	3.9	24.8	6.1	-6.9	0.4	18	54	56.6
5800	2025	56496	99	21.4	6.5	20.1	0.6	96	52	3.9	24.8	1.9	-1	-3.2	5	59	58.5
5800	2050	56243	99	21.4	8.9	17.3	2.1	51	25	4.1	24.8	2.7	3.2	-2.9	3	59	57.9
5800	2075	56012	99	21.4	24.5	1.6	-14	63	8	4.6	24.8	4.3	-1.1	-4.4	-7	58	57.7
5800	2100	55973	99	21.4	8.2	1.8	0.3	51	23	4.1	24.8	3.5	0.2	-4.8	0	59	58.5
5800	2125	55998	99	21.4	26.8	-0.9	-13.6	67	0	4.8	24.8	2.4	6.3	-2.9	-20	57	60.1
5800	2150	56061	99	21.4	7.7	-4.4	-1.7	51	24	4.1	24.8	5.6	2	-0.7	-2	60	59.1
5800	2175	56019	99	21.4	26.4	-14	-15.1	68	2	4.9	24.8	6.6	-1.6	0.3	-20	55	57.9
5800	2200	55903	99	21.4	3.7	-6.8	-0.2	57	-6	4.1	24.8	3.4	6.8	1.1	-40	46	60.9
5800	2225	55664	99	21.4	16.4	-4.1	-12.2	66	7	4.8	24.8	7.2	10.4	-0.3	-22	112	56.4
5800	2250	54982	99	21.4	6.9	7.6	1	59	6	4.2	24.8	9.6	5	1	-23	55	59.1
5800	2275	54662	99	21.4	9.1	34.5	2	60	17	4.5	24.8	11.4	-10.6	1.9	-10	62	62.0
5800	2300	54435	99	21.4	21.8	31.9	-10.9	18	0	5.2	24.8	10.4	-28.9	-6.8	-23	31	38.7
5800	2325	54368	99	21.4	28.7	11.1	-19.7	35	4	5.1	24.8	0	-23.8	-2.5	10	112	55.6
5800	2350	54080	99	21.4	34.1	-31.2	-22.9	61	14	4.5	24.8	-7.1	5.3	-3	-12	58	59.1
5800	2375	54331	99	21.4	27.5	-47.1	-20	66	17	4.9	24.8	-6.3	7.6	-3.9	5	62	61.4
5800	2400	53827	99	21.4	4.1	-13.8	-6.9	47	34	4.2	24.8	4.5	-11.4	-1.9	-18	57	59.5
5800	2425	53643	99	21.4	10.4	1.1	-1.5	100	57	4.1	24.8	-10.3	7	-10.9	-12	61	61.1
5800	2450	53734	99	21.4	7.4	-0.4	-4.8	59	22	4.6	24.8	-2.9	19.8	-5.6	4	62	61.2
5800	2475	63795	99	21.4	8.2	6.1	-5.2	57	16	4.3	24.8	4.1	11.5	-4	7	61	61.1
5800	2500	53923	99	21.4	9.2	7.8	-6.2	58	27	4.6	24.8	2.5	13.6	-4.7	-8	68	67.7
5800	2525	53933	99	21.4	12.5	2.7	-5.2	68	0	4.9	24.8	10.2	9.2	-4.1	27	62	66.7
5800	2550	54001	99	21.4	12.7	17.8	-6.7	68	1	4.9	24.8	10	2.7	-2.6	31	62	68.6
5800	2575	54029	99	21.4	11.7		-9.3	58	27	4.6	24.8	11.9		-2.4	-13	67	67.0
5800	2600	54094	99	21.4	31.3		-28	67	19	5.0	24.8	11		-3.3	-4	63	62.0
5600	1000	56703	99	21.4	-34.1	18.7	29.7	50	7	7.3	24.8	-8.9	5.8	10	-6	62	61.7
5600	975	56787	99	21.4	-39.6	18.5	28.1	55	-3	7.9	24.8	-10.8	18.1	10.4	32	58	65.6
5600	950	56457	99	21.4	-37.4	0.8	29.1	54	0	7.8	24.8	-9.9	-0.6	11.8	27	57	62.7
5600	925	55608	0	21.4	-35.5	9.1	24.1	52	1	7.5	24.8	-10.4	-4.1	16.3	16	61	62.8
5600	900		0	21.4	-32.4	10.3	28.3	53	1	7.6	24.8	-14.4	-25.8	17.5	19	59	61.2
5600	875		0	21.4	-30.2	-2.9	30	57	2	8.3	24.8	-31.7	-25.6	10.6	37	58	67.9
5600	850		12	21.4	-40.6	-16.3	30.3	54	9	7.8	24.8	-18.7	22.2	9.6	11	73	73.1
5600	825	55729	99	21.4	-38.3	-14	27.7	54	9	7.9	24.8	-5.2	53.9	3.1	20	79	80.5
5600	800		0	21.4	-46.5	-16.4	28.1	57	7	8.3	24.8	8.7	42.9	-0.3	13	71	71.3
5600	775	56746	89	21.4	-50.8	-7.6	36.1	54	7	7.8	24.8	10.3	14	-3	0	66	65.0
5600	750	56363	99	21.4	-41.6	4.9	32.1	53	9	7.7	24.8	7.2	-8.3	-2.4	5	63	62.6
5600	725	56102	99	21.4	-50.8	-10.4	35.3	53	6	7.7	24.8	3.5	-12.4	-2.1	12	62	62.4
5600	700	56006	99	21.4	-52	-1.9	36	56	3	8.0	24.8	1.6	2.2	0.4	8	63	62.8

MURPHY LAKE property

July 2003 magnetometer and EM-VLF data

line(N)	station(E)	mag-corr	s.q.	freq	i-p	ff	o-p	h-comp	v-comp	fld str	freq	i-p	ff	o-p	h-comp	v-comp	fld str
5600	675	55735	99	21.4	-42.3	17	30.1	51	7	7.4	24.8	11.3	19.5	3.3	0	66	65.2
5600	650	56487	99	21.4	-43.5	9.3	31	53	3	7.6	24.8	13.3	-5	10	9	58	57.7
5600	625	56838	99	21.4	-41.5	-8.3	33.4	51	6	7.4	24.8	-5.4	-53.1	11.4	5	53	52.8
5600	600	56960	99	21.4	-52.6	-24.7	44.3	49	6	7.1	24.8	-23.1	-56.4	10.9	-13	50	51.4
5600	575		0	21.4	-57.1	-12.7	44.1	102	9	7.3	24.8	-25.4	3.9	8	-16	60	61.6
5600	550	55919	88	21.4	-49.7	-8.1	44.5	47	7	6.8	24.8	0.8	49.6	6.6	-20	66	68.5
5600	525	56825	0	21.4	-68.1	-5.7	47.2	105	5	7.5	24.8	0.3	13.7	3.9	-11	60	60.4
5600	500		0	21.4	-44.4	32.3	41.9	57	4	8.2	24.8	-11.2	-24.5	4.2	4	59	59.0
5600	475	56096	69	21.4	-41.1		36.7	58	0	8.3	24.8	-12.2		3.8	34	56	64.9
5600	1025	57089	79	21.4	46.1	18.7	-31.3	51	-7	7.4	24.8	15.3	5.8	-5.1	37	50	61.6
5600	1050	57287	99	21.4	46.1	39.5	-33.3	50	2	7.1	24.8	22.5	-32.7	-2.3	13	56	57.1
5600	1075	57610	99	21.4	52.8	54.6	-37	44	7	6.4	24.8	7.5	-47.6	-2.3	2	51	50.5
5600	1100	57684	25	21.4	78.9	16.6	-53.9	81	10	5.9	24.8	-2.4	-23.2	-2.1	-26	47	53.4
5600	1125	57107	99	21.4	74.8	-23.5	-47.4	80	13	5.8	24.8	-15.2	14.3	-7.8	-58	98	56.7
5600	1150	56377	99	21.4	73.7	-38.7	-65.3	77	-13	5.6	24.8	-2.9	19.7	2.2	-59	27	64.0
5600	1175	56307	99	21.4	56.3	-29.7	-51.8	80	-22	6.0	24.8	-0.4	2.9	5.4	74	1	72.7
5600	1200	56300	69	21.4	53.3	-18.8	-45.6	89	24	6.6	24.8	2	-13.9	7.4	24	53	57.9
5600	1225	56378	99	21.4	47	-15.3	-32.6	104	12	7.5	24.8	-2.4	-15.7	5.7	-17	58	59.9
5600	1250	56056	99	21.4	43.8	-11.4	-34.2	49	13	7.3	24.8	-9.9	-0.7	6.2	0	66	65.4
5600	1275	56094	99	21.4	41.2	-13.4	-24.5	103	17	7.5	24.8	-6.2	8.6	7.9	-19	61	63.4
5600	1300	56509	99	21.4	38.2	-5	-34	50	14	7.5	24.8	-6.8	10.6	10.4	-9	64	64.3
5600	1325	56464	99	21.4	33.4	2.3	-25.9	59	3	8.5	24.8	-0.7	19.3	10.2	-36	61	70.0
5600	1350	56148	99	21.4	41	-5.5	-26.9	55	6	8.0	24.8	-1.7	60.8	8.1	-28	71	75.7
5600	1375	55898	99	21.4	32.9	5	-31.6	54	10	7.9	24.8	13.5	73.2	2.2	-20	81	82.1
5600	1400	56478	99	21.4	36	20.5	-36.8	52	6	7.6	24.8	44.9	-1.8	-1.9	-13	71	71.1
5600	1425	56704	99	21.4	42.9	3.6	-38.8	51	5	7.4	24.8	40.1	-57.8	-5.4	-3	59	58.2
5600	1450	56422	99	21.4	46.5	-7.7	-36.1	53	3	7.7	24.8	16.5	-36.2	-12.1	-11	58	58.1
5600	1475	56271	99	21.4	36	14.6	-31.4	50	5	7.2	24.8	10.7	-13.2	-9.8	-25	56	61.0
5600	1500	56192	99	21.4	45.7	22.9	-39.8	55	4	8.0	24.8	9.7	-18	-8	-13	61	62.0
5600	1525	56304	99	21.4	51.4	-3.4	-39.1	54	3	7.7	24.8	4.3	-16.4	-7.2	-4	59	58.8
5600	1550	56119	99	21.4	53.2	-11.4	-38.8	55	4	7.9	24.8	-1.9	3.3	-6.7	-9	61	61.3
5600	1575	55631	99	21.4	40.5	14.3	-32.8	61	4	8.8	24.8	-0.5	10.5	-3	-20	64	66.3
5600	1600	55887	99	21.4	52.7	8.4	-29.7	63	-5	9.0	24.8	6.2	-9.7	1.2	-14	56	56.9
5600	1625	55722	99	21.4	55.3	-5.2	-41.7	54	6	7.9	24.8	1.9	-30.7	0.9	11	54	54.8
5600	1650		0	21.4	46.3	2.1	-37.9	52	8	7.5	24.8	-5.9	-22.9	3	8	55	55.0
5600	1675	55949	0	21.4	56.5	-7.1	-33.6	52	3	7.5	24.8	-16.7	13	5.8	-5	62	61.4
5600	1700	55719	99	21.4	47.2	-5.5	-35.3	55	5	7.9	24.8	-10.2	26.9	8.4	-13	65	65.7
5600	1725	55927	99	21.4	48.5	-2.3	-37.1	56	7	8.1	24.8	0.6	8.8	10.3	-3	64	63.7
5600	1750	56118	99	21.4	49.7	-1.1	-36.6	54	8	7.8	24.8	-0.6	-1.4	9.9	5	64	63.2
5600	1775	56461	99	21.4	43.7		-34.5	53	7	7.8	24.8	-0.2		11	-10	64	63.9
5600	1800	57447	99	21.4	53.4		-45.1	54	9	7.9	24.8	-1.2		12.8	16	63	63.8
5600	2600	54275	99	21.4	-5.7		-1.6	73	6	5.3	24.8	-3.1		1.4	27	62	67.0
5600	2575	54302	99	21.4	-19.4		7.9	80	-5	5.7	24.8	1.1		-0.7	31	60	66.7
5600	2550	54119	99	21.4	-4.4	17.9	1.4	67	20	5.0	24.8	2.3	9.1	-2.1	3	65	64.4
5600	2525	54109	99	21.4	-2.8	17.9	0.9	72	6	5.2	24.8	4.8	3.8	-1.2	21	58	61.3
5600	2500	54119	99	21.4	-3.1	0.7	0.9	68	9	4.9	24.8	2.4	-4.7	-2.1	20	56	59.3
5600	2475	54124	99	21.4	-3.4	-4.7	2.7	61	30	4.9	24.8	0	-4.2	-2	-3	61	60.7
5600	2450	54007	99	21.4	-7.2	-7.9	2.7	58	33	4.8	24.8	3	3	-1.5	-8	58	58.0
5600	2425	54220	99	21.4	-7.2	-2.8	3.1	60	31	4.8	24.8	2.4	-7	0.3	-4	56	55.5
5600	2400	54652	99	21.4	-6.2	2.3	1.9	69	-6	5.0	24.8	-8.4	-15.8	-2.7	35	47	57.9
5600	2375	55150	99	21.4	-5.9	-20.8	1.9	71	3	5.1	24.8	-4	-3.4	0.3	50	112	60.5
5600	2350	55190	99	21.4	-28.3	-19.1	19.6	86	-5	6.2	24.8	-3.4	2	1.4	26	55	60.4
5600	2325	55066	99	21.4	-2.9	30	2.1	69	3	5.0	24.8	-5	-4.4	0	24	58	61.8
5600	2300	55047	99	21.4	-1.3	4.8	1.7	72	4	5.2	24.8	-6.8	-4.1	-0.4	25	56	60.9
5600	2275	55269	99	21.4	-25.1	-21.7	22.2	86	7	6.2	24.8	-5.7	1.1	0.3	13	60	61.0
5600	2250	55593	99	21.4	-0.8	24.7	0.6	67	24	5.1	24.8	-5	-0.4	-0.8	4	62	61.5
5600	2225	55890	99	21.4	-0.9	27.4	1.2	78	13	5.7	24.8	-7.9	-7.9	-2	18	59	61.2
5600	2200	56209	99	21.4	2.4	4.6	-0.2	78	8	5.7	24.8	-10.7	-6.8	0.2	24	62	65.8
5600	2175	56323	99	21.4	0.5	-6.4	0.6	50	57	5.5	24.8	-9	2.8	3.4	-38	59	69.3
5600	2150	56444	99	21.4	-5.4	-13.5	-1.6	64	50	5.8	24.8	-6.8	4.1	2.9	-26	63	66.9
5600	2125	56485	99	21.4	-5.2	-31.4	-0.6	70	44	5.9	24.8	-8.8	1	3.8	-12	66	66.7
5600	2100	56479	12	21.4	-31.1	-50.2	25.5	93	28	7.0	24.8	-6	9.7	0.4	-8	69	69.0
5600	2075	56491	99	21.4	-29.7	-1.4	25.7	88	28	6.6	24.8	0.1	13.9	1.4	-4	69	68.7
5600	2050	56440	99	21.4	-8	47.8	0.9	67	43	5.7	24.8	-1	-1	0.5	-14	64	64.8
5600	2025	56450	99	21.4	-5	5.9	1.4	78	27	5.9	24.8	-5.9	-9.6	-0.3	7	65	64.8
5600	2000	56489	99	21.4	-26.8	-18.1	21.9	96	-18	7.0	24.8	-4.6	0.6	-0.1	49	50	68.9
5600	1975	56496	99	21.4	-4.3	-6.2	0.6	40	-8	5.9	24.8	-1.7	16.4	-0.7	48	51	69.0
5600	1950	56399	99	21.4	-33.7	-8.4	29.4	99	-8	7.1	24.8	7.6	16.3	-8.1	-34	15	37.1
5600	1925	56485	99	21.4	-5.8	-3.2	1.3	39	2	5.6	24.8	2.4	3.9	1.5	68	-116	66.5
5600	1900	56531	99	21.4	-35.4	-7.9	31.3	91	12	6.6	24.8	7.4	2.2	5.4	11	-51	51.8
5600	1875	56840	99	21.4	-12	-10.6	1.5	38	11	5.7	24.8	4.8	2.2	10.7	11	63	62.9
5600	1850	57066	99	21.4	-39.8	-30.5	34.2	96	8	6.9	24.8	7.2	-6.3	12.2	8	62	61.6
5600	1825	57338	99	21.4	-38.1	-23.1	32.1	49	0	7.0	24.8	-1.3	-13.7	11.6	15	68	69.1

MURPHY LAKE property

July 2003 magnetometer and EM-VLF data

line(N)	station(E)	mag-corr	s.q.	freq	i-p	ff	o-p	h-comp	v-comp	fld str	freq	i-p	ff	o-p	h-comp	v-comp	fld str
5600	1800		99	21.4	-36.8		26.6	44	2	6.4	24.8	-0.4	12.2	17	59	61.2	
5400	1800		0	21.4	27.7		-13.4	103	-4	7.4	24.8	-0.6	-0.5	23	63	66.4	
5400	1825	56877	0	21.4	27.5	3.8	-18.3	52	0	7.5	24.8	-6.9	-3.4	1.5	14	60	61.5
5400	1850	56878	96	21.4	27	8.8	-16.1	54	-4	7.8	24.8	-4.7	-3	1.1	32	57	64.5
5400	1875	56272	99	21.4	32	3.3	-14.3	53	-7	7.7	24.8	-6.2	0.1	1.9	32	57	64.7
5400	1900	56599	99	21.4	31.3	11.1	-17	49	0	7.1	24.8	-8.4	10.9	1.2	17	61	62.6
5400	1925	56196	99	21.4	31	11.2	-20.7	94	1	6.8	24.8	-2.4	3	-1	18	59	61.2
5400	1950	55783	99	21.4	43.4	-15.1	-21.4	48	-1	6.9	24.8	-1.3	-8.1	-1.9	10	61	61.0
5400	1975	55854	99	21.4	30.1	-12.6	-21.7	84	12	6.1	24.8	-6.5	-1.1	-2	-5	60	60.0
5400	2000	55958	99	21.4	29.2	7.8	-15.1	96	-6	6.9	24.8	-5.3	5.6	-3.4	25	58	62.1
5400	2025	55501	99	21.4	31.7	4.4	-15.3	43	-1	6.2	24.8	-3.6	3.4	-4.6	14	58	58.7
5400	2050	55386	99	21.4	35.4	-7.2	-11.6	87	-1	6.3	24.8	-2.6	4.4	-8.8	10	59	58.9
5400	2075	55277	99	21.4	29.9	-5.8	-17	91	-3	6.5	24.8	-2.9	7.8	-0.4	30	56	63.2
5400	2100	55289	99	21.4	30	4.1	-20.3	47	-1	6.8	24.8	1.1	3.5	1.7	24	59	62.8
5400	2125	55276	99	21.4	29.6	11	-17.5	95	-5	6.8	24.8	1.2	-4.8	2.5	29	56	62.2
5400	2150	55177	99	21.4	34.5	4.9	-21.1	47	0	6.8	24.8	0.5	-6.5	3.2	14	62	62.3
5400	2175	54872	99	21.4	36	-6.2	-21.1	97	-4	7.0	24.8	-3	-3	1.9	17	60	61.3
5400	2200	54813	99	21.4	32.9	-1.8	-24.2	48	-2	7.0	24.8	-1.8	-6.6	1.5	23	59	63.2
5400	2225	54714	99	21.4	31.4	9.9	-24.7	95	0	6.8	24.8	-3.7	-5.4	1.6	19	62	63.9
5400	2250	54690	99	21.4	35.7	0.9	-29.2	46	3	6.6	24.8	-7.7	4.8	0.3	3	59	58.3
5400	2275	54691	99	21.4	38.5	-38.9	-26.8	90	-35	6.9	24.8	-3.2	4.1	1	57	31	64.5
5400	2300	54699	99	21.4	29.5	-28.8	-24.9	93	2	6.7	24.8	-3.4	1.6	0.8	16	59	59.9
5400	2325	54493	99	21.4	5.8	26.6	5.2	38	14	5.8	24.8	-3.4	3.3	1.3	-2	61	60.7
5400	2350	54254	99	21.4	33.4	22.5	-21.8	50	1	7.2	24.8	-1.6	2.1	0.5	18	60	62.1
5400	2375		99	21.4	28.5	2.6	-14.6	98	-5	7.1	24.8	-1.9	0.7	-1.2	30	57	63.9
5400	2400		21	21.4	33.2	0.6	-26.5	52	-1	7.5	24.8	-1	0.9	-1.5	26	57	62.0
5400	2425	54244	99	21.4	31.3	3.6	-31.5	52	2	7.5	24.8	-1.8	2.5	-1.4	15	59	60.5
5400	2450	54312	99	21.4	31	11.9	-29.4	49	-3	7.1	24.8	-0.2	1.7	0.1	36	56	65.8
5400	2475	54348	99	21.4	37.1	0.4	-26.9	51	0	7.3	24.8	-0.1	-3.8	-0.1	16	63	64.5
5400	2500	54369	99	21.4	37.1	-6	-31.3	46	8	6.8	24.8	-0.2	-8.8	0	-2	66	65.1
5400	2525	54467	99	21.4	31.4	6	-18.8	45	5	6.6	24.8	-3.9	-8.5	0	7	65	64.4
5400	2550	54551	99	21.4	36.8	-23.5	-27.8	100	5	7.1	24.8	-5.2	-3.1	1.3	8	62	61.6
5400	2575	54627	99	21.4	37.7		-26.3	49	3	7.1	24.8	-5.4		0.8	4	63	62.5
5400	2600	54645	99	21.4	7		4.2	39	15	6.0	24.8	-6.8		0.6	0	66	65.0
5400	1800	57091	99	21.4	-27	-1.2	18.9	12	0	7.0	24.8	0.6	-8.2	-0.8	9	68	67.6
5400	1775	57178	79	21.4	-28.7	-4.7	17.5	24	-1	7.1	24.8	2.8	-0.3	-3.3	21	65	67.8
5400	1750		99	21.4	-31.2	-2.5	19.7	51	-8	7.5	24.8	4.4	2.4	-3.9	37	58	67.8
5400	1725	56140	99	21.4	-27	-1.1	21.8	51	1	7.3	24.8	1.4	-1.6	-5.4	28	63	68.5
5400	1700		99	21.4	-34	-16	29.5	52	0	7.5	24.8	4.2	5.7	-6.5	29	65	70.0
5400	1675		99	21.4	-40.2	-12.4	31.5	104	-3	7.4	24.8	7.3	5.3	-9.1	27	60	64.8
5400	1650	55921	96	21.4	-33.2	0.2	29.3	49	0	7.0	24.8	3.6	-4.4	-9.1	29	61	67.2
5400	1625		99	21.4	-40.8	-25.4	31.6	57	1	8.2	24.8	3.5	24.9	-9.4	26	66	69.9
5400	1600		99	21.4	-58	-35.9	37.8	59	-5	8.5	24.8	32.3	57.6	-3.9	22	67	69.7
5400	1575		99	21.4	-51.9	-10.3	33.7	46	3	6.7	24.8	32.4	14.2	-1.1	5	56	55.6
5400	1550		99	21.4	-57.2	-1.5	28.5	49	-6	7.1	24.8	17.6	-52.7	9.7	10	25	26.8
5400	1525		99	21.4	-54.2	23.2	29.7	46	-5	6.7	24.8	-5.6	-64.5	-4.8	42	98	52.9
5400	1500		99	21.4	-31.7	22.6	-1.2	31	11	4.7	24.8	-8.9	-46.7	-2	3	53	52.8
5400	1475	56947	94	21.4	-57.1	-11.7	34	50	-7	7.3	24.8	-25.8	-14.7	-8.6	17	61	63.1
5400	1450		99	21.4	-40.5	19.9	21.6	90	0	6.4	24.8	-3.4	30.9	0.9	9	69	69.0
5400	1425	56434	96	21.4	-28.4	30.7	23.6	47	-1	6.8	24.8	-0.4	28.2	2.9	24	59	63.2
5400	1400	56063	99	21.4	-38.5	-8.3	33	112	-5	8.0	24.8	-0.6	-4.9	6.8	14	59	60.4
5400	1375	55630	99	21.4	-38.7	-11.7	34	53	2	7.6	24.8	-8.1	-17.9	8.5	5	59	58.5
5400	1350	54782	99	21.4	-39.9	-2.5	33.5	56	-1	8.1	24.8	-10.8	-16.4	11	19	61	63.1
5400	1325	54934	99	21.4	-39.8	1	34.9	54	0	7.7	24.8	-14.3	-15.8	11.7	8	66	65.3
5400	1300	55648	99	21.4	-37.8	-9.7	34.8	56	-1	8.1	24.8	-20.4	20	5.5	29	70	74.8
5400	1275	55388	99	21.4	-51.6	-18.9	39.2	55	-1	7.9	24.8	15.3	65.4	-4.5	0	75	74.3
5400	1250		99	21.4	-44.9	0	21.8	45	0	6.6	24.8	15.4	27.7	-8	19	66	67.5
5400	1225	56230	99	21.4	-44.5	-2.5	24.9	84	1	6.1	24.8	7.2	-15.8	-9.7	4	64	63.7
5400	1200	56167	99	21.4	-54.5	8.8	37.8	110	-5	7.9	24.8	7.7	-2.4	-8.3	-1	64	63.6
5400	1175	56580	99	21.4	-26.1	24.4	16.9	79	5	5.7	24.8	12.5	2.2	-6.7	18	59	61.0
5400	1150	56781	99	21.4	-48.5	-18.1	35	101	-11	7.3	24.8	4.6	-17.1	-7.3	10	59	59.8
5400	1125	56518	99	21.4	-50.2	-13.7	29.8	54	-8	7.8	24.8	-1.5	-29.5	-6.8	23	55	58.6
5400	1100	56261	99	21.4	-38.1	21.4	28.4	51	-5	7.4	24.8	-10.9	-26.9	-9.4	21	57	60.2
5400	1075	56454	99	21.4	-39.2	3	32.6	53	-1	7.6	24.8	-12.9	15.6	-7.4	15	71	71.5
5400	1050	56853	99	21.4	-46.1	28	27.4	52	-5	7.5	24.8	16.1	49.1	-0.8	20	65	67.0
5400	1025	56792	99	21.4	-3.2	71.3	0.6	75	1	5.4	24.8	9.2	17.7	-3.6	29	57	63.2
5400	1000		99	21.4	-10.8	25.8	11.1	84	7	6.1	24.8	11.7	-0.4	-1.2	17	58	60.0
5400	975		99	21.4	-12.7	-12.7	11	89	9	6.4	24.8	13.2	-6.4	4.9	15	55	56.6
5400	950		99	21.4	-14	-1	17.8	88	10	6.3	24.8	1.3	-29.8	4.7	12	56	56.4
5400	925	56556	99	21.4	-10.5	4.4	15.6	78	16	5.7	24.8	-6.2	-34.6	2.9	0	57	55.9
5400	900	56867	99	21.4	-11.8	-8.7	19	86	6	6.2	24.8	-13.9	-20.4	2.5	-22	54	57.5
5400	875	56886	99	21.4	-21.4	-22.9	22.4	95	0	6.8	24.8	-11.4	-1.8	6.1	-19	57	59.8
5400	850	56697	99	21.4	-23.8	-35.2	23.2	49	-2	7.1	24.8	-10.5	-0.5	6.2	-36	54	64.2

MURPHY LAKE property

July 2003 magnetometer and EM-VLF data

line(N)	station(E)	mag-corr	s.q.	freq	i-p	ff	o-p	h-comp	v-comp	fld str	freq	i-p	ff	o-p	h-comp	v-comp	fld str
5400	825	57259	89	21.4	-44.6	-39.3	31.1	58	-9	8.5	24.8	-15.3	0.7	5.1	-41	54	66.6
5400	800	56233	99	21.4	-39.9	-15.7	28.9	53	-4	7.6	24.8	-5.9	22.9	6.4	-37	65	74.3
5400	775	56427	99	21.4	-44.2	-15.6	29.6	56	-1	8.1	24.8	3	59.8	5.2	-28	74	77.8
5400	750	56852	99	21.4	-55.9	-21.5	27.5	54	-5	7.8	24.8	35.6	50.9	14.3	-20	58	60.5
5400	725	57457	99	21.4	-49.7	5.9	31.2	53	-4	7.7	24.8	12.4	-27.4	4.6	-24	51	56.0
5400	700	56638	99	21.4	-44.5	9.2	33.4	58	-5	8.3	24.8	-1.2	-50.8	4.3	-11	57	56.9
5400	675	56445	99	21.4	-51.9	-4.7	40.2	64	-8	9.3	24.8	-1.6	-22.1	9.5	-12	57	57.5
5400	650	56607	0	21.4	-47	0.1	37.2	63	-12	9.3	24.8	-9.3	-23.7	12.9	-31	54	61.8
5400	625	56540	99	21.4	-49.3	-5	38.9	70	-9	10.1	24.8	-17.2	-22.4	11.7	-37	55	66.1
5400	600	56135	99	21.4	-54.6		43	63	-7	9.1	24.8	-16.1		10.1	-6	68	67.5
5200	2600	54625	99	21.4	-35.9		29.2	103	-7	7.4	24.8	3.3	-2.8	28	52	58.6	
5200	2575	54607	99	21.4	-37.7		30.8	51	-11	7.6	24.8	4.7	-1.6	45	44	62.5	
5200	2550	54615	99	21.4	-31.8	8.4	24.1	44	-13	6.7	24.8	1.8	-2.1	-0.2	53	40	65.9
5200	2525	54627	99	21.4	-33.4	4.7	29.7	104	-22	7.6	24.8	4.1	2	1.2	45	45	63.3
5200	2500	54652	99	21.4	-31.4	-7.1	31.9	50	-11	7.3	24.8	4.4	8.3	2.8	97	84	63.2
5200	2475	54553	99	21.4	-40.9	-19.1	29.9	52	-4	7.5	24.8	9.8	4.8	2.4	25	56	60.6
5200	2450	54450	99	21.4	-43	-11.4	32	51	-8	7.5	24.8	3.5	-8.7	2.1	39	50	62.4
5200	2425	54298	99	21.4	-40.7	6.2	32.3	52	-1	7.4	24.8	2	-14.1	2.2	17	60	61.5
5200	2400	54233	99	21.4	-37	12.5	27.2	48	-3	6.9	24.8	-2.8	-14	1.8	29	54	61.1
5200	2375	54253	99	21.4	-34.2	9.4	23.7	96	-13	6.9	24.8	-5.7	-5.9	-1.6	37	50	62.0
5200	2350	53908	99	21.4	-34.1	-0.5	21.7	44	-2	6.3	24.8	-1	11	-1.9	28	50	56.4
5200	2325	53937	99	21.4	-37.6	24.9	20.6	86	-2	6.2	24.8	3.5	22.6	-0.9	25	48	53.9
5200	2300	53707	0	21.4	-5.8	49.9	-8.2	70	-12	5.1	24.8	12.4	14.2	3.9	84	93	62.2
5200	2275	54299	99	21.4	-16	9.8	2.4	78	2	5.6	24.8	4.3	-11.7	1.7	19	61	63.1
5200	2250	54547	99	21.4	-17.6	-17.5	2.1	84	-2	6.0	24.8	-0.1	-18.6	2.3	3	59	58.6
5200	2225	54631	99	21.4	-21.7	-8.8	11.4	92	-4	6.6	24.8	-1.8	-1.7	0.4	-7	54	53.6
5200	2200	54701	99	21.4	-20.7	-7.5	5.7	78	12	5.6	24.8	4.3	10.6	-2.6	-22	52	56.2
5200	2175	54740	99	21.4	-26.1	-19.8	13.2	94	1	6.7	24.8	4.4	10	-6	-19	54	56.3
5200	2150	54822	99	21.4	-36.1	-26	22.3	46	-3	6.7	24.8	8.1	2.4	-6.9	-30	52	59.1
5200	2125	54871	99	21.4	-36.7	-11.1	18.2	95	-7	6.9	24.8	3	-3.8	-5.1	-24	54	58.8
5200	2100	54930	99	21.4	-36.6	0.7	19.1	48	-2	7.0	24.8	5.7	-1	-3.7	-13	57	57.5
5200	2075	54947	99	21.4	-35.5	10.3	19.7	96	0	6.9	24.8	4.4	-1.1	-1.5	-18	59	60.7
5200	2050	55040	99	21.4	-27.5	17.7	18.1	50	-2	7.2	24.8	3.2	-8.1	0.7	1	60	58.8
5200	2025	55074	99	21.4	-26.9	4.8	14.5	50	-7	7.3	24.8	-1.2	-10.5	4.1	27	55	60.7
5200	2000	55039	99	21.4	-31.3	-18.5	17.6	54	-10	7.9	24.8	-1.7	-3.7	6	33	54	62.8
5200	1975	55148	99	21.4	-41.6	-19.4	31.3	49	-9	7.2	24.8	0	3.5	4.7	47	43	63.4
5200	1950	55713	99	21.4	-36	-4	24.7	103	-14	7.5	24.8	0.6	6.6	4.1	76	96	60.6
5200	1925	55914	99	21.4	-40.9	10.6	25.9	51	-4	7.3	24.8	4.3	8.3	1.6	22	59	62.0
5200	1900	56284	99	21.4	-26.1	17.1	22.9	95	5	6.8	24.8	4.6	7	-3.3	-3	63	62.0
5200	1875		99	21.4	-33.7	-3	22.6	101	1	7.3	24.8	7.3	4.3	-3.5	1	62	61.3
5200	1850	57500	99	21.4	-36.3	-11.9	25.8	49	4	7.1	24.8	5.9	0.1	-3.6	-5	62	61.9
5200	1825	60184	99	21.4	-35.4	4.4	22.1	49	1	7.1	24.8	6.1	-2.9	-4.1	7	65	64.3
5200	1800	58459	99	21.4	-30.2		18.5	49	2	7.0	24.8	4.2		-3.5	14	65	65.3
5200	600	56666	99	21.4	17.7		-16.9	54	-7	7.9	24.8	33.5		-11.4	-32	64	70.9
5200	625	57054	99	21.4	17.3	13.2	-7	51	-3	7.3	24.8	16.7	-31.1	-10.3	-9	62	61.6
5200	650	57332	99	21.4	25.6	-5.7	-17.2	46	3	6.6	24.8	13.9	-28.1	-8.5	7	55	54.7
5200	675	57176	99	21.4	22.6	-16.1	-14.8	89	11	6.5	24.8	5.2	-27.8	-5.4	-2	56	55.4
5200	700	57750	99	21.4	15.2	-5.5	-6.1	88	5	6.3	24.8	-2.7	-28.6	-8.6	-14	53	54.0
5200	725	57313	99	21.4	16.9	-3.1	-7.7	86	11	6.2	24.8	-6	-34.2	-6.2	-15	55	56.4
5200	750	56853	99	21.4	15.4	-9	-7.3	77	18	5.7	24.8	-20.1	5.2	-8.5	-3	58	57.7
5200	775	56324	99	21.4	13.6	-4.3	-6	82	13	6.0	24.8	-22.8	50	-6.9	-15	66	66.7
5200	800	56852	99	21.4	9.7	4.3	-14.6	79	18	5.8	24.8	1.9	25.3	2.6	-3	66	64.9
5200	825	57257	99	21.4	15	16.4	-13.6	73	23	5.5	24.8	5.2	-13.9	1.1	7	58	58.0
5200	850	56625	99	21.4	12.6	39.3	-11.9	75	14	5.4	24.8	-0.8	6.2	-1.6	-5	60	59.4
5200	875	56683	99	21.4	28.5	17.6	-11.1	80	7	5.8	24.8	-6	31.6	-1.7	-7	64	63.7
5200	900	56845	99	21.4	38.4	11	-27.2	88	0	6.3	24.8	16.6	-6.4	7.6	-14	55	56.5
5200	925	56643	99	21.4	20.3	63.3	-14.8	73	17	5.4	24.8	8.2	-30.4	5.2	-7	54	54.3
5200	950	56792	99	21.4	57.6	37.8	-32.7	96	1	6.9	24.8	-4	1.8	4	6	56	56.0
5200	975	56342	99	21.4	64.4	-12.6	-38.9	53	-5	7.7	24.8	-1.6	27.9	5.2	6	62	61.2
5200	1000	55868	99	21.4	51.3	-1.3	-43.3	61	-8	8.8	24.8	7.6	18.7	6.5	3	65	63.8
5200	1025	56142	99	21.4	58.1	9.6	-48.7	60	-8	8.7	24.8	14.7	-8.3	9.9	2	60	59.8
5200	1050	56370	99	21.4	56.3	8	-49.3	56	-5	8.1	24.8	10	-25.1	9.5	15	55	56.1
5200	1075	56684	99	21.4	62.7	-4.9	-49.5	55	-3	8.0	24.8	4	-26	7.6	31	48	56.7
5200	1100	56570	99	21.4	59.7	-24.8	-51.1	56	-4	8.1	24.8	-4.4	-15.8	6	14	114	57.0
5200	1125	56868	99	21.4	54.4	-19.4	-42.9	56	-5	8.0	24.8	-7.6	-1	8.2	-6	58	57.7
5200	1150	56512	99	21.4	43.2	12.3	-44	54	0	7.8	24.8	-8.6	-14	11.5	-12	58	59.1
5200	1175	56365	99	21.4	51.5	4.2	-48.9	46	1	6.7	24.8	-4.4	-28.3	19.5	15	58	59.1
5200	1200	57090	99	21.4	58.4	-30	-43.6	100	-3	7.2	24.8	-25.8	13.9	13.4	-13	55	56.5
5200	1225	56861	99	21.4	40.5	-28.7	-31.5	46	4	6.6	24.8	-15.5	41	10.3	-6	71	70.7
5200	1250	56503	99	21.4	39.4	-12.4	-32.3	100	1	7.1	24.8	-0.8	23.1	10.5	-22	65	68.1
5200	1275	56420	99	21.4	30.8	2.3	-30.4	49	5	7.0	24.8	0.5	11.6	0.4	-24	65	68.1
5200	1300	56303	99	21.4	36.7	-3.1	-37.9	87	8	6.3	24.8	6.3	1	-1.7	0	65	64.2
5200	1325	55901	99	21.4	35.8	-14.6	-37	89	11	6.4	24.8	5	-8.1	-1.7	0	61	60.1

MURPHY LAKE property

July 2003 magnetometer and EM-VLF data

line(N)	station(E)	mag-corr	s.q.	freq	i-p	ff	o-p	h-comp	v-comp	fld str	freq	i-p	ff	o-p	h-comp	v-comp	fld str
5200	1350	55740	99	21.4	28.8	-3.4	-27.4	96	0	6.9	24.8	2.8	-5.7	-0.3	-26	54	59.9
5200	1375	55959	99	21.4	29.3	5.1	-28.9	48	2	6.9	24.8	0.4	0.8	0.9	-18	60	62.4
5200	1400	56434	99	21.4	31.7	8	-28.9	97	3	6.9	24.8	1.7	4.2	2.7	-22	59	62.3
5200	1425	56587	99	21.4	31.3	8.6	-28.9	47	3	6.8	24.8	2.3	6.3	4.2	-19	63	64.9
5200	1450	56414	99	21.4	37.7	-9.4	-33.5	83	16	6.1	24.8	4	13.9	5.3	5	64	63.1
5200	1475	56243	99	21.4	33.9	-18.9	-32.5	81	21	6.0	24.8	6.3	15.6	4	7	62	61.6
5200	1500	56293	99	21.4	25.7	-5.2	-29.9	84	20	6.2	24.8	13.9	9.9	-0.7	1	64	63.2
5200	1525	56130	99	21.4	27	-5.3	-32.3	87	15	6.3	24.8	12	15.7	-3.3	0	63	62.7
5200	1550	56065	99	21.4	27.4	-10.1	-32.9	86	10	6.2	24.8	18.1	10.1	-3.9	-10	64	64.5
5200	1575	56355	99	21.4	20	-2	-27.3	90	3	6.5	24.8	23.5	-17.1	-4	-27	55	60.9
5200	1600	56203	99	21.4	24.3	2.8	-32.4	42	2	6.1	24.8	16.7	-38.5	-4.7	-12	53	54.1
5200	1625	56517	99	21.4	21.1	6.4	-26.6	83	3	6.0	24.8	7.8	-45.6	-1.7	-17	52	53.7
5200	1650	56714	99	21.4	26	9.4	-23.3	87	-3	6.2	24.8	-6.1	-32.6	-2.4	-24	49	53.7
5200	1675	56506	99	21.4	25.8	14.8	-24.3	88	8	6.4	24.8	-15	-10.5	0.4	-24	108	54.8
5200	1700	56972	89	21.4	30.7	8.2	-27.9	89	0	6.4	24.8	-15.9	15.7	4.4	-10	58	58.6
5200	1725	57200	99	21.4	35.9	-15.2	-28.1	98	1	6.8	24.8	-15.7	35.4	6.4	-9	63	62.5
5200	1750	58183	99	21.4	28.8	-12	-25.4	53	-1	7.7	24.8	0.5	23.5	-2.7	-13	63	64.0
5200	1775	58879	99	21.4	22.6	14.2	-15.1	47	0	6.8	24.8	3.3	-14.1	-3.9	-27	61	65.8
5200	1800	59895	99	21.4	30.1	19	-24.7	103	-6	7.4	24.8	5	-20.3	-3.6	-20	61	63.7
5000	2600	54851	99	21.4	-33.3		48.5	66	13	4.9	24.8	3.3		3.3	-17	53	55.7
5000	2575	54807	99	21.4	-3.4		1.1	55	-1	3.9	24.8	-1.5		-2.3	-35	47	58.4
5000	2550	54684	99	21.4	-5.2	24.8	2.8	51	16	3.9	24.8	-1.5	-3.2	-5.3	-23	107	54.1
5000	2525	54745	99	21.4	-6.6	-38.2	2.6	51	13	3.8	24.8	0.1	2.8	-5	-16	55	56.4
5000	2500	54879	99	21.4	-40.2	-87.2	44.4	71	8	5.1	24.8	-0.3	21.5	-5.3	-29	51	57.8
5000	2475	54792	99	21.4	-38.8	-25	49.2	65	6	4.7	24.8	20.4	36.1	-19.9	7	19	20.2
5000	2450	54580	99	21.4	-33	38	48.5	62	4	4.4	24.8	15.5	-0.2	-9.6	19	56	29.3
5000	2425	54506	99	21.4	-8	56.5	2.5	53	9	3.9	24.8	4.4	-24.7	-11.2	-22	56	60.1
5000	2400	54440	99	21.4	-7.3	27.2	3.5	52	6	3.8	24.8	6.8	-5.4	-11.1	-26	53	58.8
5000	2375	54399	99	21.4	-6.5	0.4	4.1	49	18	3.8	24.8	7.7	7.3	-11.8	-11	58	58.8
5000	2350	54303	99	21.4	-8.4	-7.5	4.3	99	38	3.8	24.8	10.8	16.9	-11.7	-11	57	57.4
5000	2325	54118	99	21.4	-12.9	-42.6	1.9	52	11	3.8	24.8	20.6	22.4	-7	-23	53	56.9
5000	2300		99	21.4	-44.6	-89.3	48.3	66	12	4.8	24.8	20.3	7.2	-3.2	-45	102	55.2
5000	2275		99	21.4	-46	-29	57.6	61	23	4.7	24.8	18.3	-18.6	-0.8	-1	49	48.8
5000	2250		99	21.4	-40.5	5.8	48.3	65	18	4.9	24.8	4	-33.6	4.3	-16	50	51.5
5000	2225		99	21.4	-44.3	0.7	49.4	68	14	5.0	24.8	1	-30.9	3.6	-23	47	52.1
5000	2200	53975	99	21.4	-41.5	35.9	47.2	71	12	5.2	24.8	-9.6	-27.4	-0.4	-44	94	51.6
5000	2175	54062	99	21.4	-7.4	63.6	1.9	52	16	3.9	24.8	-12.8	-5.6	-1.4	-19	55	57.7
5000	2150	54069	99	21.4	-14.8	9.7	1.4	57	18	4.3	24.8	-1.4	32.9	-0.7	-23	61	64.5
5000	2125	55287	99	21.4	-24.4	-55	-0.2	56	17	4.2	24.8	11.9	43.2	-2.2	-21	60	62.4
5000	2100	55899	99	21.4	-52.8	-38.4	38.2	66	11	4.8	24.8	17.1	7.9	0.3	-23	53	56.7
5000	2075		99	21.4	-22.8	35.8	-2.3	50	12	3.7	24.8	1.3	-37.3	-2.3	-10	49	49.5
5000	2050		99	21.4	-18.6	10.8	-1.1	52	11	3.8	24.8	-9.6	-44.4	-1.9	-13	50	51.5
5000	2025	55331	99	21.4	-46.4	-43	46.7	71	7	5.1	24.8	-16.4	-23.9	-0.3	-22	51	54.9
5000	2000		99	21.4	-38	22.3	48.3	68	14	5.0	24.8	-15.8	-9	0.6	-13	55	56.0
5000	1975		99	21.4	-4.7	41.5	-1	53	10	3.9	24.8	-19.2	2.5	1.7	-9	59	59.0
5000	1950		99	21.4	-38.2	-23.5	48	70	13	5.1	24.8	-10.5	14.4	0.9	-9	60	59.9
5000	1925		99	21.4	-28	21.1	43.8	72	15	5.3	24.8	-10.1	6.7	0.2	-12	59	59.7
5000	1900		99	21.4	6.2	48.3	-0.2	61	5	4.4	24.8	-12.9	5	0.2	-24	58	61.9
5000	1875		99	21.4	-24.1	-0.9	47.5	75	9	5.4	24.8	-2.7	29.1	-0.2	-35	57	66.1
5000	1850	56833	99	21.4	1.4	28.1	-2	61	8	4.4	24.8	8.8	30.4	-2.4	-24	58	62.3
5000	1825		99	21.4	6.8	40.2	-2.1	60	-3	4.3	24.8	6	1.8	-1.9	-35	48	58.4
5000	1800	57701	99	21.4	10.7	10.7	-2.9	59	-1	4.2	24.8	1.9	-15.1	-1.8	-68	92	56.7
5000	1775	57616	99	21.4	8.2	-3	-2.8	62	6	4.5	24.8	-2.2	-20.5	0.1	-28	53	59.1
5000	1750	57605	99	21.4	6.3	-8.6	-3.6	64	7	4.6	24.8	-10.4	-9.7	-0.6	-31	52	59.6
5000	1725	57801	99	21.4	4	-38.2	-2.9	60	-4	4.3	24.8	0.4	25.3	-0.9	-48	50	68.1
5000	1700	58035	99	21.4	-28.7	-72.3	42.3	74	8	5.3	24.8	12.3	42.4	-0.1	-35	52	62.3
5000	1675	58509	99	21.4	-33.3	-8.7	50.7	75	13	5.4	24.8	20.1	23.7	1.3	-28	51	57.3
5000	1650	58282	99	21.4	-0.1	31.9	-7.2	58	1	4.2	24.8	18.3	-18.9	3	-66	87	54.0
5000	1625	58976	99	21.4	-30	13.9	47.3	73	12	5.3	24.8	-0.8	-49.4	1.7	-53	82	48.6
5000	1600	58706	99	21.4	10.5	47.4	-1.6	59	9	4.3	24.8	-12.2	-40.7	-0.2	-46	92	50.9
5000	1575	58174	99	21.4	6.8	3.5	-3	62	15	4.6	24.8	-13	-14.1	3.7	-23	49	53.5
5000	1550	56369	99	21.4	-22.8	-33.9	42.2	77	3	5.5	24.8	-14.1	-13.2	3.7	-77	84	56.4
5000	1525	56326	99	21.4	6.2	28.7	-4.2	60	6	4.3	24.8	-24.3	-10.3	3.2	-53	103	57.4
5000	1500	56068	99	21.4	6.5	27	-5	61	11	4.4	24.8	-13.1	17.3	4.1	-24	57	61.1
5000	1475	56256	99	21.4	3.9	-38.5	-4.9	62	9	4.5	24.8	-8	26.6	4.2	-28	56	62.4
5000	1450	56572	99	21.4	-29.7	-32.4	40.5	73	8	5.3	24.8	-2.8	15.4	2.3	-30	53	60.5
5000	1425	56433	99	21.4	7.7	43.5	-4.5	55	15	4.1	24.8	-2.9	7.2	1.5	-16	57	59.1
5000	1400	56210	99	21.4	10	8.5	-5.7	57	15	4.2	24.8	-0.7	2.5	2.3	-16	55	58.7
5000	1375	56051	99	21.4	-23.5	-68.8	46.6	75	16	5.5	24.8	-2.5	-4.2	3.2	-21	52	55.6
5000	1350	56082	99	21.4	-28.6	6.2	45.7	74	10	5.4	24.8	-5.3	-10.7	4.4	-28	51	58.3
5000	1325	55900	99	21.4	21.3	59.4	-2.6	60	4	4.3	24.8	-8.6	-11.7	6.2	-34	48	58.4
5000	1300		99	21.4	-14	-25	36.3	75	21	5.6	24.8	-10.9	-8.9	6	-22	54	57.3
5000	1275		99	21.4	-18.3	-14.2	39.9	79	10	5.7	24.8	-11.9	-4	6.9	-38	50	62.0
5000	1250	55496	99	21.4	11.4	55.2	-0.1	68	16	5.0	24.8	-11.6	-2.7	4.5	-26	56	61.6

MURPHY LAKE property

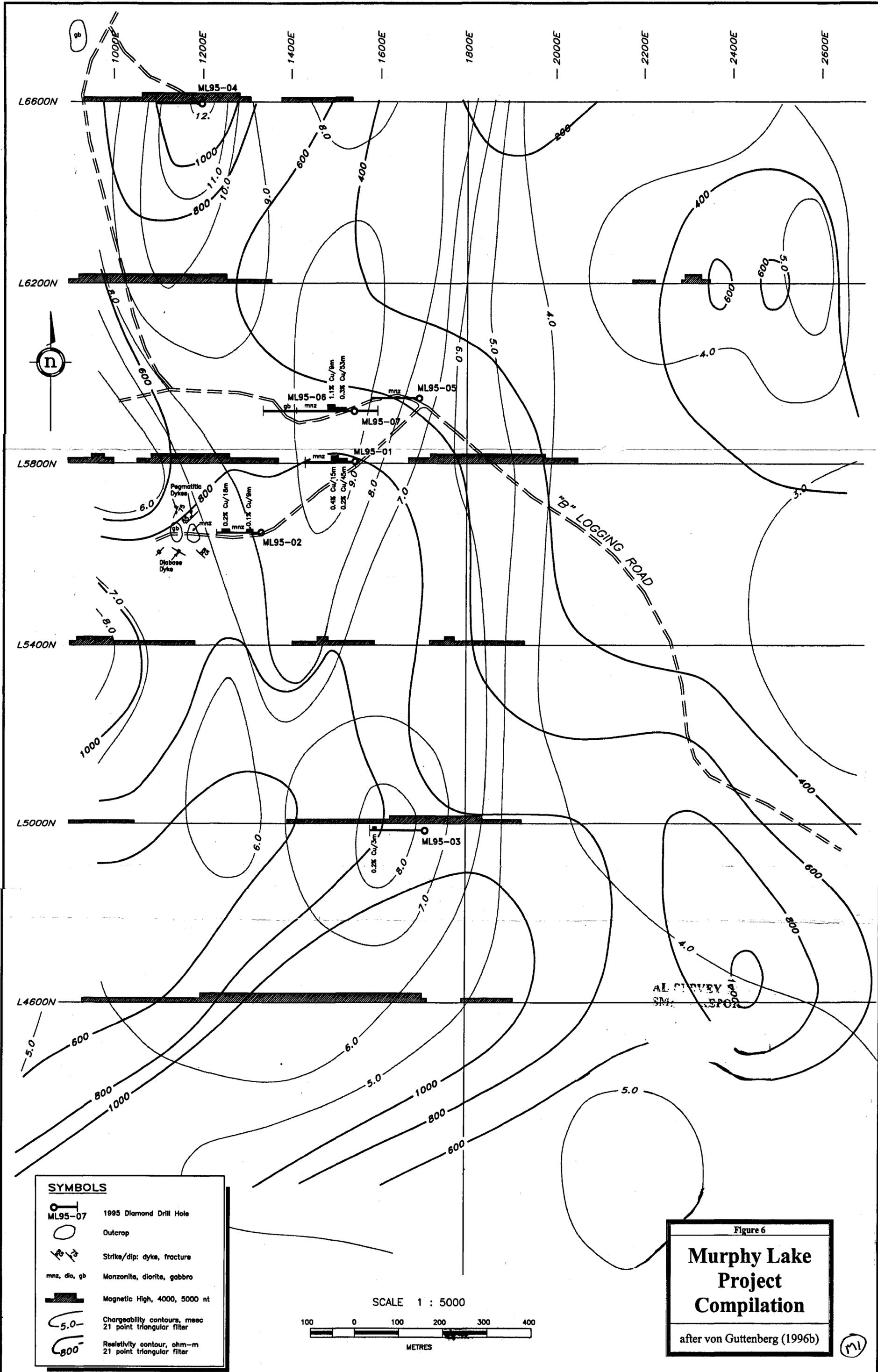
July 2003 magnetometer and EM-VLF data

line(N)	station(E)	mag-corr	s.q.	freq	l-p	ff	o-p	h-comp	v-comp	fld str	freq	l-p	ff	o-p	h-comp	v-comp	fld str
4800	950	56367	99	21.4	11.5	15.2	-18.2	64	29	5.0	24.8	5.6	-14.4	-4.9	3	58	57.4
4800	975	56543	99	21.4	19.2	10.3	-14.9	64	26	5.0	24.8	-3	1	-3.3	3	64	63.4
4800	1000	56559	99	21.4	17.7	-22.7	-20	71	25	5.4	24.8	4.1	18.8	-2	-7	64	63.8
4800	1025	56852	99	21.4	23.3	-25.4	-16.7	68	21	5.1	24.8	-0.5	32.5	-3.1	-8	64	63.3
4800	1050	57083	99	21.4	-9.1	45.9	-11.5	97	72	4.3	24.8	18.4	9.6	1.4	6	68	67.9
4800	1075	57168	99	21.4	24.7	56.6	-22.1	61	25	4.7	24.8	17.7	-36.5	0.7	7	61	60.7
4800	1100	57450	99	21.4	35.4	5.8	-32.2	86	21	5.0	24.8	9.8	-46.5	0.4	3	59	58.5
4800	1125	57038	99	21.4	36.8	-8.3	-25.5	59	28	4.7	24.8	-10.2	-14.6	-6.7	12	62	62.1
4800	1150	56871	99	21.4	29.1	-5.5	-21.6	65	27	5.1	24.8	-8.8	22.4	-5.8	0	64	63.2
4800	1175	56740	99	21.4	34.8	-4.2	-25.5	60	30	4.8	24.8	-6.2	29.3	-6	19	67	68.9
4800	1200	56922	99	21.4	25.6	-5.6	-21.3	86	31	5.2	24.8	9.6	18.5	-7.6	11	68	68.0
4800	1225	56429	99	21.4	34.1	-15.3	-23.2	68	35	5.4	24.8	4.7	16.5	-10.3	24	65	68.2
4800	1250	56800	99	21.4	20.7	-3.9	-19.3	80	27	6.1	24.8	17.2	4.4	-9.4	8	60	60.3
4800	1275	56525	99	21.4	23.7	4.7	-18.5	75	27	5.7	24.8	13.6	-0.5	-10.5	11	60	59.9
4800	1300	56778	99	21.4	27.2	-1.8	-25.9	72	28	5.5	24.8	12.7	4	-9.1	14	56	57.6
4800	1325	56633	99	21.4	21.9	12	-19.1	82	16	6.0	24.8	17.6	-13.5	-4.7	-14	59	59.6
4800	1350	56959	99	21.4	27.2	21.9	-18.1	80	8	5.7	24.8	12.7	-33.7	-3.3	-18	53	55.9
4800	1375	57126	99	21.4	33.9	5.2	-27.2	85	13	6.1	24.8	4.1	-28.6	-4.2	-8	55	55.0
4800	1400	56480	99	21.4	37.1	-47.8	-22.7	78	15	5.7	24.8	-7.5	1	-3.2	-8	63	62.4
4800	1425	56483	99	21.4	29.2	-35.6	-19.5	78	17	5.7	24.8	-4.3	18.9	-0.7	-8	64	63.5
4800	1450	56828	99	21.4	-6	43.7	4.6	64	27	5.0	24.8	1.9	18.1	0.4	-5	68	67.3
4800	1475	56400	99	21.4	36.7	-11.1	-27.3	78	20	5.8	24.8	5.2	20.5	-1.3	15	67	67.5
4800	1500	57210	99	21.4	30.2	-41.8	-23.1	76	24	5.7	24.8	10.5	16.5	-1.2	10	66	66.1
4800	1525	57276	99	21.4	-10.6	53.6	2.1	63	25	4.9	24.8	17.1	1	-0.6	0	65	64.3
4800	1550	57550	99	21.4	35.7	53.7	-21	75	19	5.6	24.8	15.1	-20.7	-2.3	13	60	60.5
4800	1575	59591	96	21.4	37.5	3.1	-14.7	77	21	5.8	24.8	13.5	-31.3	-3.4	8	56	56.3
4800	1600	59779	99	21.4	41.3	-6.6	-14.2	80	19	5.9	24.8	-2	-23.2	-6.9	0	55	54.4
4800	1625	58934	99	21.4	35	-21.3	-7.5	78	0	5.6	24.8	-0.7	-30.6	-0.8	-31	49	57.9
4800	1650	57807	99	21.4	37.2	-28.4	-8.3	77	2	5.5	24.8	-11	-30.1	-6.6	-34	47	57.5
4800	1675	59673	99	21.4	17.8	-6.4	10.7	64	-5	4.6	24.8	-22.3	6.6	-9.4	-50	45	67.2
4800	1700	58358	99	21.4	26	-1.1	-9.8	72	-19	5.4	24.8	-19.5	31.7	-7.7	-62	35	70.2
4800	1725	57512	99	21.4	22.6	-24.3	-16.9	70	27	5.4	24.8	-7.2	26.5	-0.4	1	68	67.1
4800	1750	57248	47	21.4	20.1	-16.1	-15.5	65	33	5.3	24.8	-2.9	9.7	-0.3	12	69	69.2
4800	1775	56702	99	21.4	4.2	0.9	-13.8	75	33	5.9	24.8	2.7	10.5	1	3	64	63.2
4800	1800	55891	99	21.4	22.4	7.5	-23.7	52	35	4.5	24.8	-3.1	-2.9	2.1	36	55	64.9
4800	1800	56424	99	21.4	-24	41.8	18.3	86	10	6.2	24.8	-6.7	-9	-2.8	-6	63	62.6
4800	1775	55752	99	21.4	-29.1	29.8	16.1	92	7	6.6	24.8	-4.8	16	-1.7	-9	65	64.9
4800	1750	55444	99	21.4	-29.4	-5	15.7	45	1	6.5	24.8	3.9	22.8	0.2	-12	65	65.8
4800	1725	56004	99	21.4	-28.7	-1.6	21.2	87	6	6.3	24.8	7.4	17.4	0.2	-2	65	64.7
4800	1700	57420	99	21.4	-31.4	-2.9	20.4	91	4	6.5	24.8	9.1	-2.1	0.4	-13	60	61.0
4800	1675	57213	99	21.4	-29.6	-3.3	23.3	98	1	7.0	24.8	0.1	1.1	-2.7	-29	61	66.6
4800	1650	57016	99	21.4	-33.8	-14.2	22.5	47	3	6.9	24.8	17.5	32.2	4.4	-24	62	66.1
4800	1625	59152	99	21.4	-41.4	-19.9	22.3	87	10	6.3	24.8	23.9	8.8	5.3	-18	56	58.2
4800	1600	61053	99	21.4	-41.9	-12.9	23	82	9	5.9	24.8	2.5	-42.5	1.9	31	30	42.3
4800	1575	62130	89	21.4	-46.2	-10.2	26.5	47	0	6.8	24.8	-3.6	-48.2	-2	-33	45	55.1
4800	1550	59804	99	21.4	-47.3	5.8	25.6	89	1	6.4	24.8	-18.2	-32.8	-3.8	-29	47	55.2
4800	1525	59127	99	21.4	-35	21.8	22.3	90	3	6.4	24.8	-15.7	4.8	-2.5	-58	120	65.9
4800	1500	59980	99	21.4	-36.7	6	25.1	43	6	6.3	24.8	-1.3	35.1	1.6	-11	65	65.1
4800	1475	59125	99	21.4	-39.6	-5.4	22.8	91	6	6.5	24.8	2.5	25.5	2.5	-24	61	64.7
4800	1450	59117	99	21.4	-37.5	1.6	22.3	46	2	6.6	24.8	6	17.3	4.6	-30	59	65.3
4800	1425	57194	99	21.4	-37.2	-2.9	22.7	86	8	6.2	24.8	12.5	10.3	7.7	-23	57	61.3
4800	1400	57189	99	21.4	-42.8	-6	25.9	92	0	6.6	24.8	6.3	-5.7	6.4	-34	50	60.1
4800	1375	57361	99	21.4	-37.9	-2.8	19.8	44	3	6.3	24.8	6.5	-10.5	7.1	-29	52	59.0
4800	1350	57820	99	21.4	-44.9	-14	24.6	91	6	6.6	24.8	1.8	-13.6	9.2	-30	49	56.9
4800	1325	57758	99	21.4	-49.8	-16.8	25.8	94	4	6.7	24.8	-2.6	-18	9.4	-23	53	57.5
4800	1300	99	21.4	-49.8	-11.7	28.9	45	4	6.5	24.8	-7.1	-14.9	8.8	-23	54	58.0	
4800	1275	99	21.4	-56.6	-14.7	34.6	97	8	7.0	24.8	-8.6	-17.7	11.3	-4	57	56.3	
4800	1250	22	21.4	-57.7	-6.4	36.3	99	7	7.1	24.8	-18.8	-33.3	12.1	-12	53	53.9	
4800	1225	0	21.4	-55.1	9.6	35.8	53	0	7.6	24.8	-30.2	-29.5	8.9	-12	55	56.0	
4800	1200	0	21.4	-49.6	15	39.5	50	4	7.2	24.8	-26.7	2.1	11.3	-6	62	61.5	
4800	1175	0	21.4	-48.2	3.9	33.7	59	1	8.5	24.8	-20.2	17.3	15.8	-12	62	62.1	
4800	1150	0	21.4	-52.6	-9	34.9	59	0	8.4	24.8	-19.4	10.3	16.4	-5	65	64.4	
4800	1125	0	21.4	-54.2	-8.8	33.4	65	-4	9.4	24.8	-17.2	10.1	16.6	-28	61	66.4	
4800	1100	0	21.4	-55.4		35.9	67	-6	9.6	24.8	-12.3		14.3	-32	61	68.6	
4800	900	55525	99	21.4	17		-16.6	13	2	3.8	24.8	-1.1		0.4	9	53	52.8
4800	925	55447	99	21.4	29.2		-22.2	26	5	3.9	24.8	-4.4		1.6	4	54	53.3
4800	950	55439	99	21.4	24.8		-24.1	54	13	4.0	24.8	-3.8		-0.7	6	56	56.1
4800	975	56180	99	21.4	28.1		-20.1	57	8	4.2	24.8	3.1		-1.7	13	56	57.2
4800	1000	56450	99	21.4	30.9		-25.8	53	11	3.9	24.8	3.6		-4.2	3	58	57.4
4800	1025	56840	99	21.4	3.7		-3.2	46	11	3.4	24.8	5.3		-5.7	17	54	56.4
4800	1050	56702	99	21.4	3.9		-5.6	82	44	3.3	24.8	5.6		-7.2	-2	56	55.3
4800	1075	56802	99	21.4	6.3		-5.7	83	38	3.3	24.8	9.3		-11.1	3	60	59.0
4800	1100	57040	99	21.4	4.5		-3.9	87	33	3.3	24.8	14		-12.7	10	60	59.8

MURPHY LAKE property

July 2003 magnetometer and EM-VLF data

line(N)	station(E)	mag-corr	s.q.	freq	i-p	ff	o-p	h-comp	v-comp	fld str	freq	i-p	ff	o-p	h-comp	v-comp	fld str
4600	1125	57207	99	21.4	3.6		-4.1	88	25	3.3	24.8	17		-15.2	18	55	56.8
4600	1150	57267	99	21.4	46.4		-45	67	8	4.8	24.8	19.6		-14.3	14	57	57.7
4600	1175	57076	99	21.4	2.1		-5.6	39	18	3.1	24.8	19.7		-14.2	5	55	54.7
4600	1200	56912	99	21.4	40.4		-41	115	24	4.2	24.8	28.6		-11.5	12	54	55.1
4600	1225	57587	99	21.4	3.9		-4.1	40	15	3.1	24.8	30.1		-6.8	10	49	49.1
4600	1250	57644	99	21.4	12.7		-3.1	70	42	2.9	24.8	18.2		-9.5	-2	48	47.4
4600	1800	56441	99	21.4	43.5		-26.3	53	-1	7.6	24.8	13.7		1.7	14	59	59.6
4600	1825	57093	99	21.4	44.8	-25.5	-17.2	50	3	7.2	24.8	3.2	-22.4	3.8	-24	55	59.0
4600	1850	56722	99	21.4	50.1	-71.3	-23.8	47	-2	6.8	24.8	-0.7	-13.6	4.8	-7	61	60.5
4600	1875	57118	96	21.4	12.7	-22.5	-3.6	35	-9	5.2	24.8	-4.8	-3.2	5.9	-22	60	62.9
4600	1900	56772	78	21.4	10.9	33.3	-5.3	70	-11	5.1	24.8	-6.3	3.1	7.8	-31	61	68.0
4600	1925	55759	99	21.4	29.4	14.9	-15.9	86	1	6.2	24.8	-2.4	-1.9	9.8	-40	57	68.5
4600	1950	55576	99	21.4	27.5	-5.9	-18.3	82	-12	5.9	24.8	-5.6	-1.3	10.9	-23	60	63.5
4600	1975	55517	99	21.4	27.7	-12	-16.9	82	-14	6.0	24.8	-5	6	10.1	-22	62	64.8
4600	2000	55501	99	21.4	23.3	-7.3	-18.1	81	-21	6.0	24.8	-4.3	8.5	10.3	-16	64	65.0
4600	2025	55338	99	21.4	19.9	-2.1	-14.4	79	-24	5.9	24.8	-0.3	3.2	8.9	-14	66	66.2
4600	2050	55086	99	21.4	23.8	-1.6	-16.2	90	5	6.4	24.8	-0.5	-2.2	6.7	-46	52	66.7
4600	2075	55037	99	21.4	17.3	5.7	-15.7	41	-11	6.1	24.8	-0.9	-2.3	7.1	-17	64	65.6
4600	2100	55114	99	21.4	24.8	13.8	-22.1	78	-29	6.0	24.8	-2.1	3.9	8.3	0	66	65.5
4600	2125	55229	99	21.4	22	24.2	-18.3	84	-25	6.3	24.8	-1.6	12.5	6.2	-6	66	65.9
4600	2150	55475	99	21.4	33.9	19.8	-23.5	97	-14	7.0	24.8	2.5	15.9	2.9	-4	71	70.2
4600	2175	55646	99	21.4	37.1	15.5	-30.3	53	-4	7.6	24.8	6.3	13.4	-0.5	-9	69	68.7
4600	2200	55769	99	21.4	38.6	20.1	-32.5	52	-6	7.5	24.8	10.5	13.1	-1.2	0	66	65.3
4600	2225	55832	99	21.4	47.9	8.1	-36	53	-4	7.6	24.8	11.7	14.8	-6.9	4	69	67.9
4600	2250	56053	99	21.4	47.9	4.6	-34.5	56	-3	8.0	24.8	18.2	7.2	-12.7	1	65	64.5
4600	2275	56431	99	21.4	46.7	7.8	-38.7	54	-4	7.8	24.8	18.8	2.6	-16.1	4	65	64.3
4600	2300	56245	99	21.4	53.7	-1.6	-39.9	53	-3	7.7	24.8	18.3	0.7	-12.6	-6	63	62.2
4600	2325	56140	99	21.4	48.7	-9	-40.5	56	-2	8.0	24.8	21.3	-12.6	-11.3	-10	59	59.3
4600	2350	56156	99	21.4	50.1	-2.6	-40.9	56	0	8.1	24.8	16.5	-24.1	-9.3	-11	57	57.9
4600	2375	56327	99	21.4	43.3	13.2	-44.1	57	-3	8.1	24.8	10.5	-20.2	-6.8	-13	58	58.3
4600	2400	56322	99	21.4	52.9	11.5	-41.3	53	-3	7.7	24.8	3.2	-10.9	-3.3	-4	60	59.6
4600	2425	56253	99	21.4	53.7	2.4	-43.5	53	-3	7.7	24.8	3.6	-8.6	-0.2	5	59	59.0
4600	2450	55499	99	21.4	54	-2.5	-39.1	55	-3	8.0	24.8	-0.8	-1.8	1.5	2	61	60.8
4600	2475	55053	99	21.4	55	-7.9	-43.5	55	-3	8.0	24.8	-1	10.2	3	0	64	63.0
4600	2500	54626	99	21.4	50.2	-0.5	-42.9	56	-2	8.1	24.8	2	18.6	2.8	-11	64	64.6
4600	2525	54744	99	21.4	50.9	9.8	-41.8	53	-4	7.6	24.8	6.4	18.6	3.3	-5	67	66.8
4600	2550	55007	59	21.4	53.8	8.5	-42	53	-4	7.7	24.8	13.2	9.8	3	-1	62	61.6
4600	2550	55008	99	21.4	57.1	1.9	-43.2	58	-2	8.3	24.8	13.8	2.5	2.9	0	64	63.4
4600	2575	54960	99	21.4	56.1		-42.5	58	0	8.3	24.8	15.6		3.7	-15	59	60.4
4600	2600	55071	99	21.4	56.7		-43.4	57	-1	8.3	24.8	13.9		6.4	-20	56	59.3



SYMBOLS	
	1995 Diamond Drill Hole
	Outcrop
	Strike/dip: dyke, fracture
	Monzonite, diorite, gabbro
	Magnetic High, 4000, 5000 nt
	Chargeability contours, msec
	Resistivity contour, ohm-m

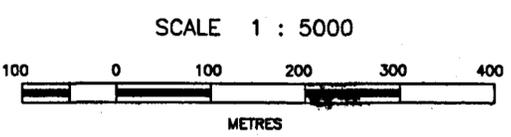
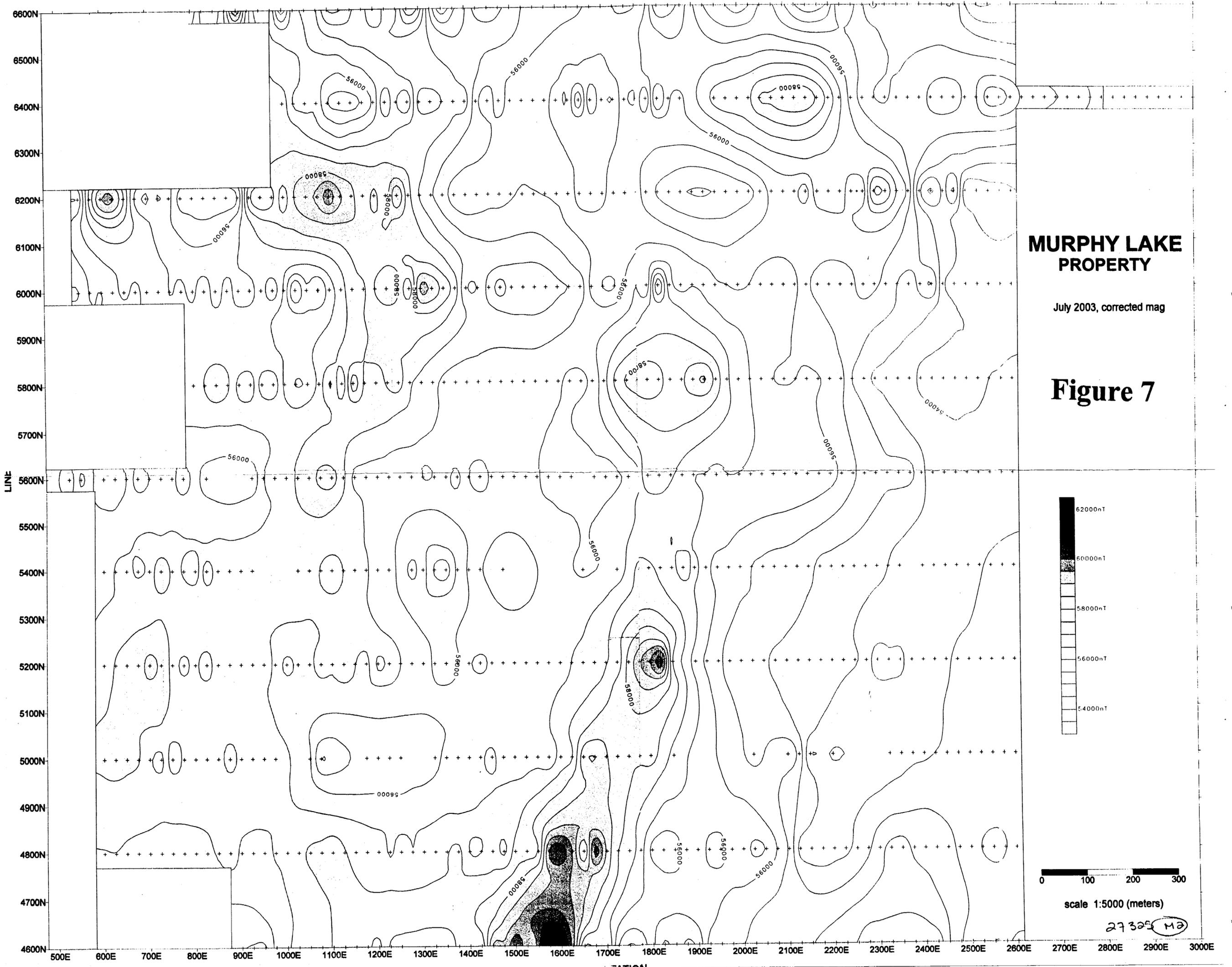


Figure 6
Murphy Lake Project
Compilation
 after von Guttenberg (1996b)

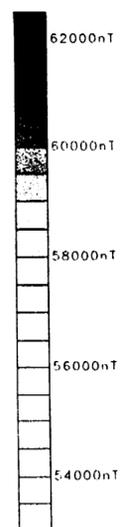
(M)



**MURPHY LAKE
PROPERTY**

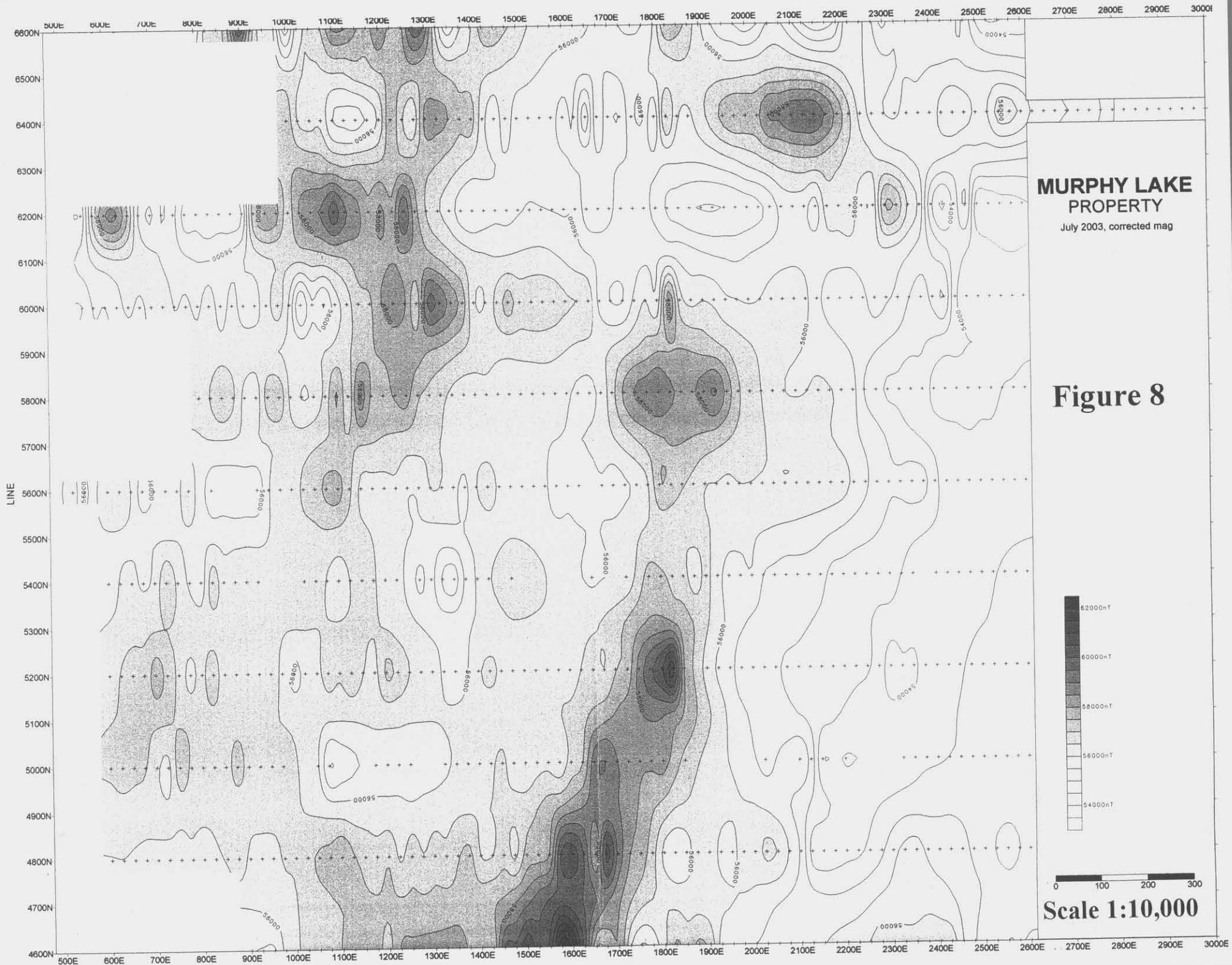
July 2003, corrected mag

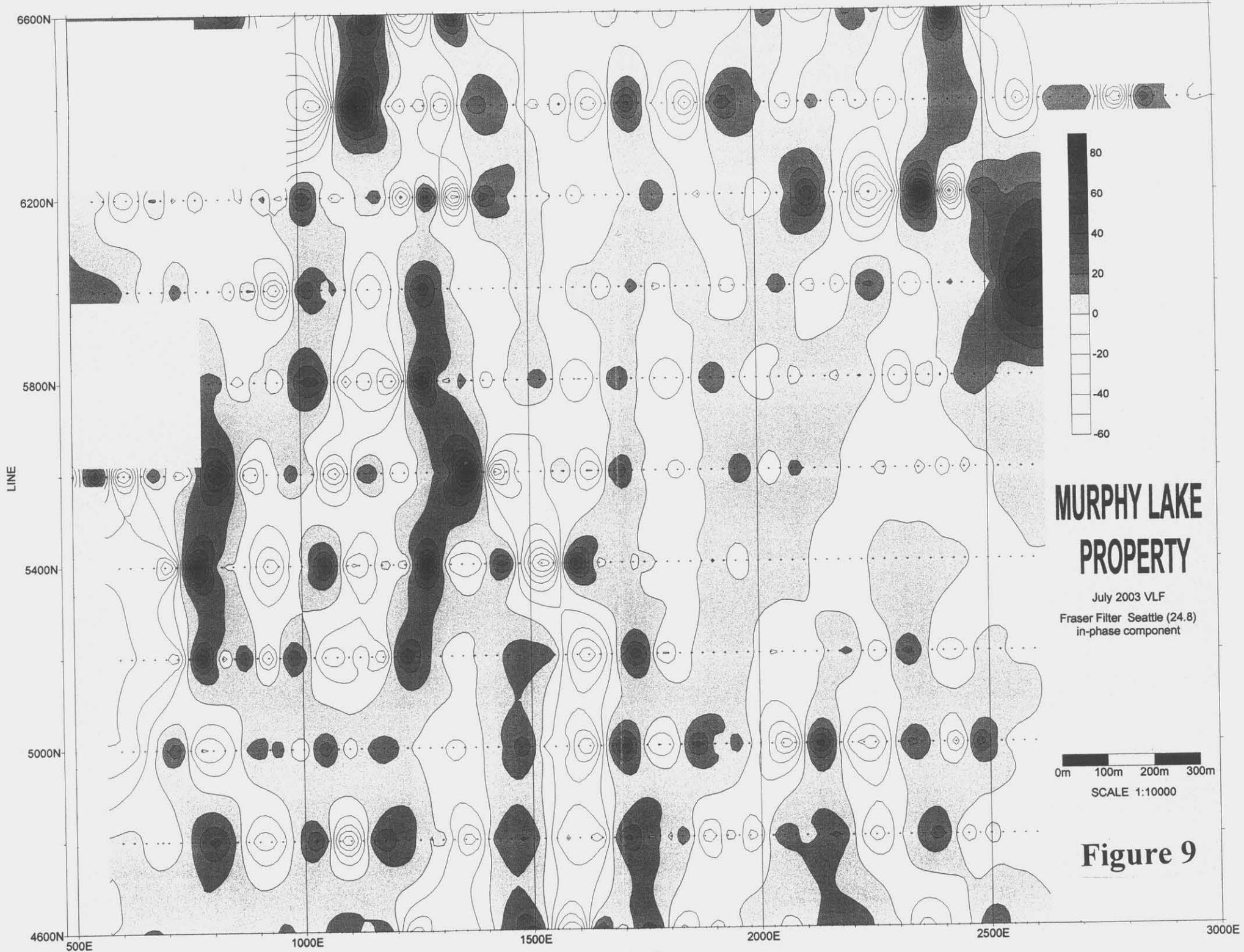
Figure 7



scale 1:5000 (meters)

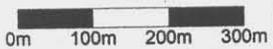
27325 MA





**MURPHY LAKE
PROPERTY**

July 2003 VLF
Fraser Filter Seattle (24.8)
in-phase component



SCALE 1:10000

Figure 9