

Blackstone Resources Inc.

**1997 EXPLORATION PROGRAM
ON THE DROMEDARY PROPERTY,
ACE, NORA, QUEEN, KING AND DMC CLAIMS.**

Located near Dromedary Mountain
Whitehorse and Mayo Mining Districts
NTS 105L/14,15
62° 55' North Latitude
135° 00' West Longitude

-prepared for-

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1997 EXPLORATION PROGRAM ON THE DROMEDARY PROPERTY

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SUMMARY

The Dromedary property is located east of the Tintina Trench in the western Selwyn Basin, 240 kilometres north of Whitehorse in the central Yukon. The property is situated on the slopes of Kalzas and Dromedary Mountains and covers a portion of the low-lying MacMillan River valley between these two mountains. The property is comprised of 344 claims in the Whitehorse and Mayo Mining Districts. Blackstone Resources Inc. has an option to earn a 100% interest in the property by conducting \$500,000 in exploration and by making staged cash and stock payments.

The Dromedary property is located within the Selwyn Basin geological terrane near the boundary with the Cassiar Platform. The oldest units exposed in the area are Proterozoic-Cambrian "Grit Unit", and extensive areas of Cambro-Ordovician Kechika Group phyllite and limestone. Minor exposures of Ordovician Road River Group shale and siltstones are also present. The most extensive unit in the area of interest is the Mississippian Earn Group. Earn Group lithologies include chert pebble conglomerates of the Crystal Peak Formation, fossiliferous limestone of the Kalzas Formation, black silty shale, argillite and an unnamed middle Mississippian chert-siltstone containing massive barite. A Permian-Triassic sandstone-shale-limestone unit blankets earlier Paleozoic strata. Middle Cretaceous subvolcanic intrusions of the South Fork Formation and quartz monzonite-granodiorite of Cretaceous age (90-120 Ma) intrude the above stratigraphy resulting in local biotite and calc-silicate hornfels and skarn.

The Dromedary property was first acquired by Anaconda Canada Exploration Ltd. during a regional exploration program in 1980. Anaconda conducted extensive exploration, including EM, magnetometer and gravity surveys, between 1981 and 1982. They identified, from east to west, four areas of interest: Dromedary Creek, Dromedary Mountain, François grid and Kal-Cave. Drilling was completed on the Dromedary Mountain and Dromedary Creek areas by Anaconda. The next period of exploration, 1988-1990, was conducted by Dromedary Exploration Company Ltd. culminating in a two hole drill program. In 1996, Blackstone Resources Inc. conducted a 939 metre drill program to test geophysical anomalies at Dromedary Creek (one hole) and on the François Grid (four holes). This drilling intercepted syngenetic massive sulphide mineralization in all holes, the most significant results being on the François Grid. Here, narrow intervals of economic grade Pb-Zn massive sulphide mineralization, as well as massive pyrrhotite mineralization containing significant gold concentrations were intersected. Minor mapping, prospecting and sampling was done in the Kal-Cave area where a number of showings are known along a 7.5 kilometre long, Pb-Zn-Ag soil anomaly exists.

In 1997, geophysical surveys in the François Grid area have provided important refinements of the geological trends related to mineralization. In particular, the strong magnetic signature associated with massive pyrrhotite mineralization can be traced over 5 kilometres. The numerous coincident gravity and magnetic anomalies detected along this trend are attractive exploration targets as diamond drilling in 1990 and 1996 has established the relationship between coincident gravity-magnetic anomalies and Pb-Zn mineralization.

Geological and geochemical work on the François Grid was less definitive due to the extensive overburden cover in this area. Isolated outcrops and trench geology has confirmed that the geological section hosting massive sulphide mineralization extends across the grid area. Limited soil sampling has detected elevated base metal values associated with coincident gravity-magnetic geophysical anomalies. Work on the King Claims did not turn up any new mineralization but soil sampling detected elevated base metal values west of the previous drilling in this area.

In the Kal-Cave area (DMC Claims), about 20 kilometres west of the François Grid, mapping and sampling was concentrated along the 7.5 kilometre long, lead-zinc soil anomaly which was originally delineated in 1982. The work was intended to provide additional geological information and rock samples between two main areas of investigation by previous workers: the Cave Showing and the Kal Trench area. Several new showings were discovered along the soil anomaly despite a general lack of outcrop on the Kal-Cave grid area and, in particular, of the mineralized zone. These showings were located by searching

between the widely spaced lines (400m) originally explored by Anaconda in the early 1980's. They are characterized by iron sulphide mineralization, carbonate porphyroblasts, manganese oxide staining, and hematitic weathering, and are associated with fossiliferous strata. Some of the better results from this work include select samples which returned up to 5.53% Pb and 5.83% Zn, and chip samples up to 1.24% Pb and 0.60% Zn over 1.0 metre.

A comprehensive drill program for a total of at least 3000 metres in 23 holes is proposed for 1998 in the François grid area. This program will test several of the numerous geophysical anomalies present. A drill spacing of 200 metres between sections should adequately test for a massive sulphide body of economic size. Additional work on the King Claims should be contingent on success in the François grid area.

There is evidence of mineralization along the entire 7.5 kilometre length of the Pb-Zn soil anomaly on the DMC Claims. Work in 1997 should narrow in on specific targets. More detailed mapping plus trenching in areas of sparse outcrop could provide the necessary information for a focused drill program. As well, detailed magnetometer and electro-magnetic surveys should help determine targets based on results from the François Grid area.

1.0 INTRODUCTION

The Dromedary property is situated in the western portion of the Selwyn Basin on the east side of the Tintina Trench, 240 kilometres north of Whitehorse in the central Yukon (Figure 1). The property was originally staked by Anaconda Canada Exploration Ltd. in 1980 following a regional exploration program directed towards sedimentary exhalative (SEDEX) Pb-Zn-Ag deposits. In 1996, Blackstone Resources Inc. acquired an option on the property from Gerry Carlson, who controlled the property after title transfer or options to Fleck Resources Ltd., Dromedary Exploration Company Ltd. and Energold Minerals Inc..

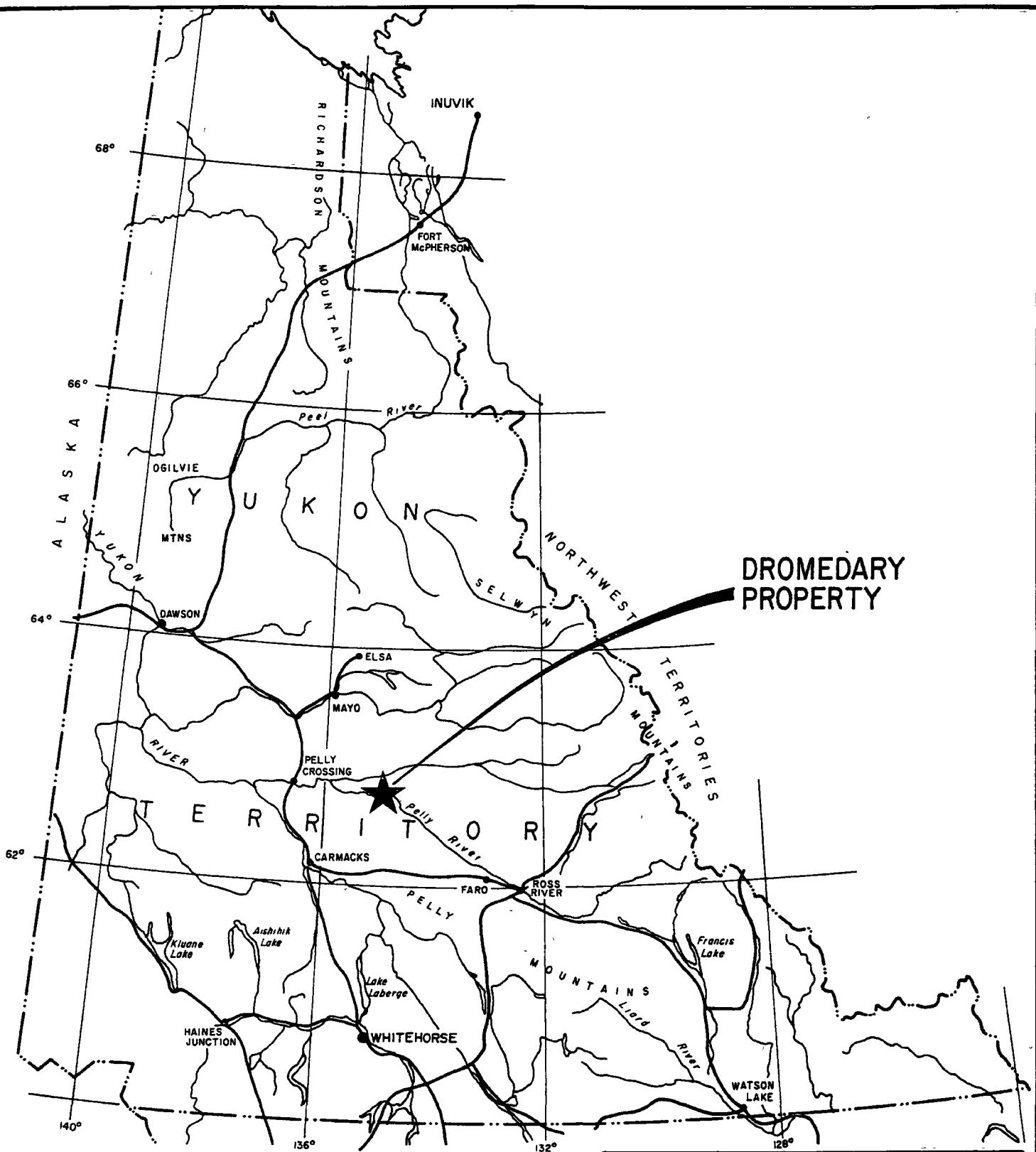
In June and July of 1997, Blackstone Resources Inc. conducted an exploration program emphasizing geophysical surveys, geological mapping, and rock and soil sampling. This work was completed by Equity Engineering Ltd. for Blackstone Resources Inc.. Equity has also been retained to report on the results of the fieldwork.

2.0 LIST OF CLAIMS

The Dromedary property comprises two blocks of contiguous claims; one, made up of the Ace, Queen and King Claims, is located in Whitehorse Mining District (Figure 2a), and the other, comprising the DMC claims, is located in the Mayo Mining District (Figure 2b). The registered owner of the Ace, Nora 1-34 and DMC 1-36 claims is Gerry Carlson. Blackstone Resources Inc. has an option to earn a 100% interest in the Nora, Ace and DMC claims by expending \$500,000 in exploration work and making stock payments totaling 200,000 shares over a three year period. The King and Queen claims were staked after the 1996 field program, and the Nora 35 to 40, King 17-20 and DMC 37 to 155 claims were staked during the 1997 field program; those claims that fall within three kilometres of the original Ace, Nora and DMC claims become part of the property under option and those outside of three kilometres are owned 100% by Blackstone Resources Inc.. Claim data for the Dromedary property is summarized in Table 2.0.1.

**TABLE 2.0.1
CLAIM DATA**

Claim Name	Grant Number	No. of Claims	Expiry Date*
Ace 5'	YA52059	1	May 1, 2006
Ace 7-12'	YA52061-66	6	May 1, 2006
Ace 23-28'	YA53077-82	6	May 1, 2006
Ace 39-44'	YA52093-98	6	May 1, 2006
Ace 55-60'	YA52109-14	6	May 1, 2006
Ace 69-76'	YA51442-49	8	May 1, 2006
Ace 85'	YA51458	1	May 1, 2006
Ace 87'	YA51460	1	May 1, 2006
Ace 89-92'	YA51462-65	4	May 1, 2006
Ace 105-108'	YA52127-30	4	May 1, 2006
Ace 121-122'	YA52143-44	2	May 1, 2006
Ace 123-124'	YA52145-45	2	May 1, 2002
Ace 137-140'	YA52159-62	4	May 1, 2002
Ace 153-156'	YA52175-78	4	May 1, 2002
Ace 169-172'	YA52191-94	4	May 1, 2002
Ace 277-284'	YA52335-42	8	May 1, 2006
Ace 293-300'	YA52351-58	8	May 1, 2006
Ace 309-316'	YA52367-74	8	May 1, 2006
Nora 1'	YB26763	1	May 1, 2002

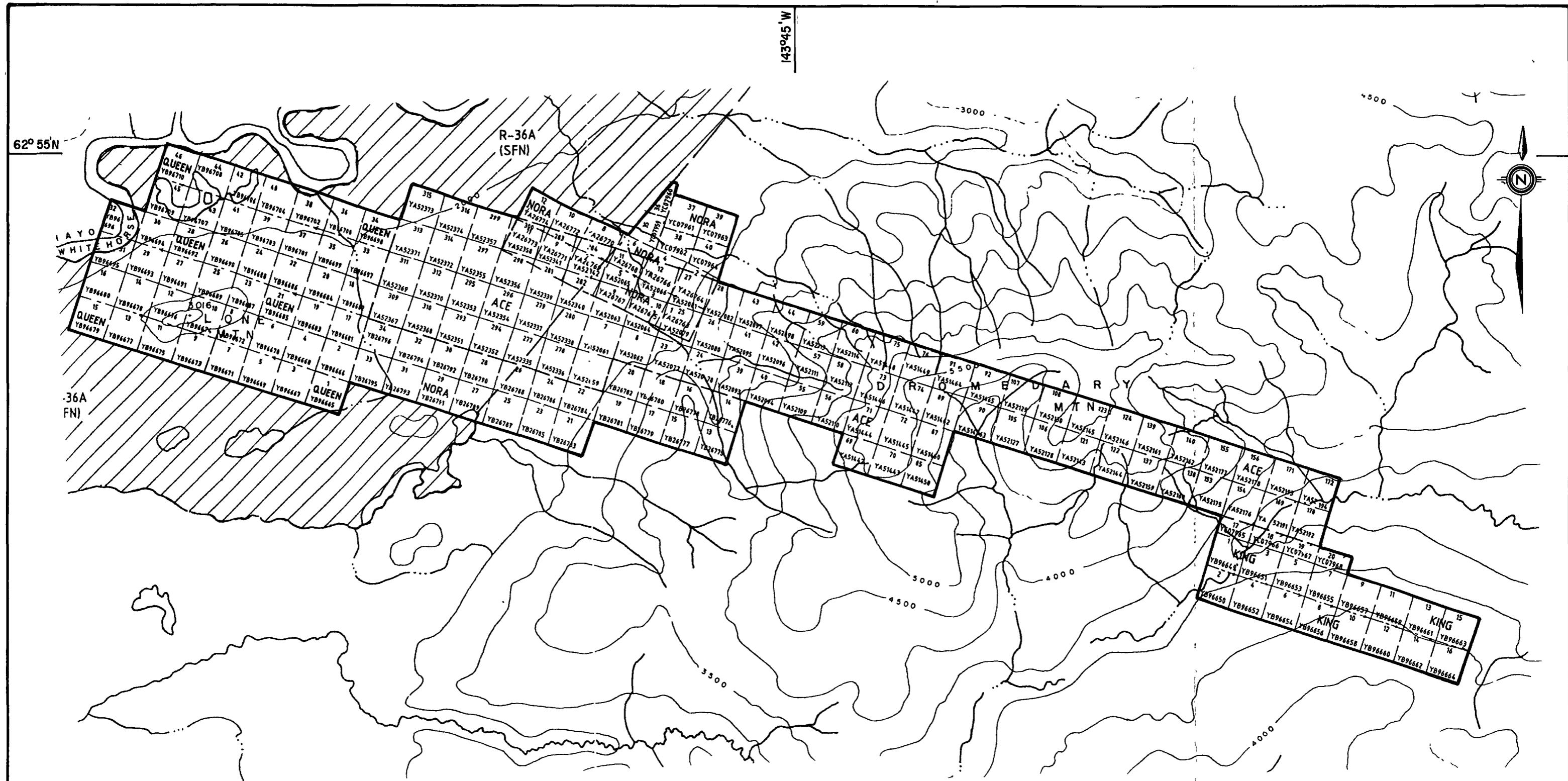


BLACKSTONE RESOURCES INC.

**DROMEDARY PROPERTY
PROPERTY LOCATION MAP**

0 50 100 200 300
KILOMETRES

Equity	Date DEC. 1997	Scale As shown	Figure
	U.T.M Zone	Mining Dist. Mayo, Whitehorse	
	N.T.S. 105 L/14,15	State/Prov YUKON	1.



BLACKSTONE RESOURCES INC.

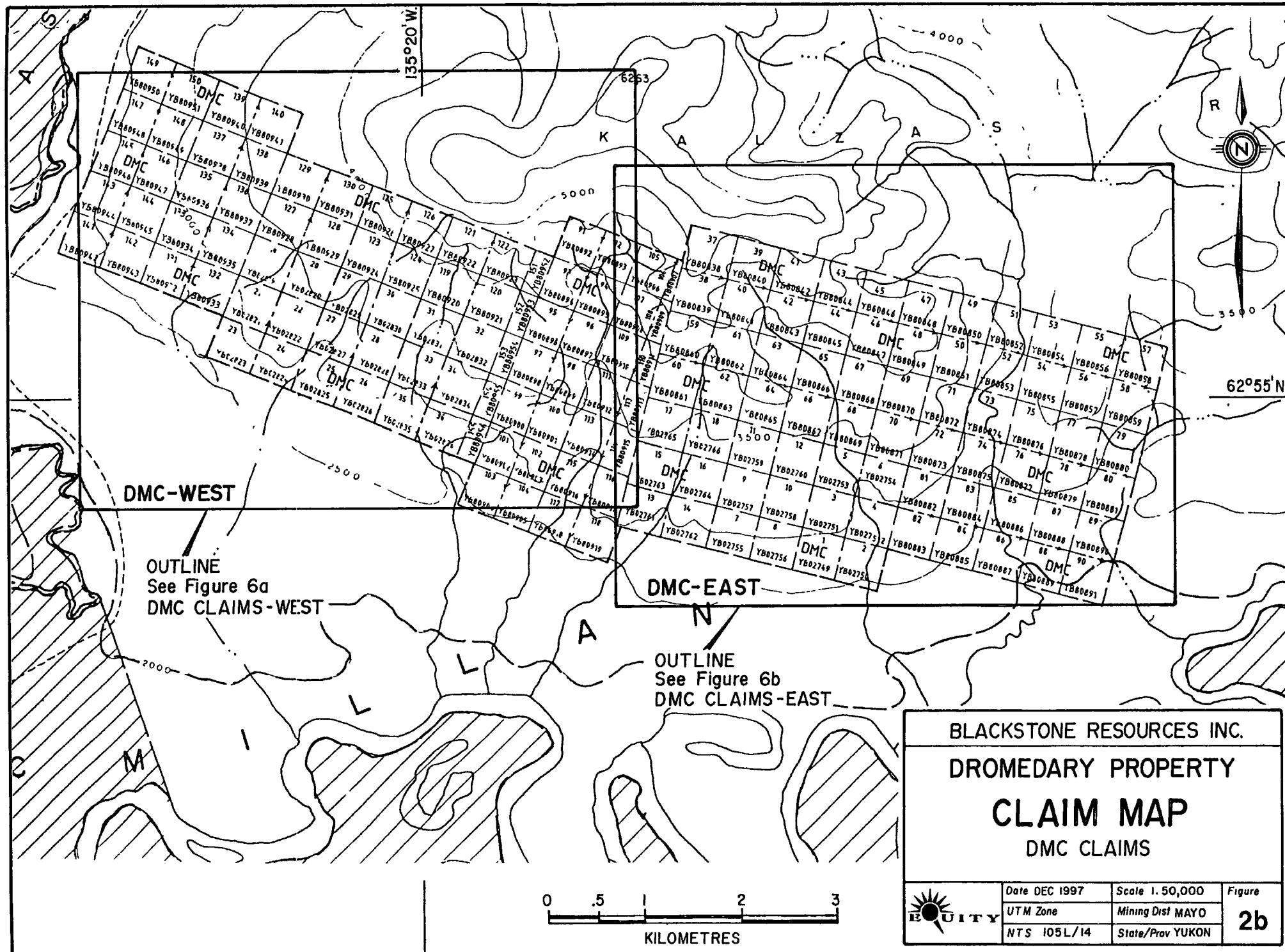
DROMEDARY PROPERTY

CLAIM MAP

ACS, NORA, QUEEN, KING CLAIMS



	Date DEC. 1997	Scale 1:50,000	Figure 2a
	UTM Zone	Mining Dist MAYO	
	NTS 105L /15	State/Prov YUKON	



BLACKSTONE RESOURCES INC.
DROMEDARY PROPERTY
CLAIM MAP
DMC CLAIMS



Date DEC
UTM Zone
NTS 105

7	Scale 1.50,000
	Mining Dist MAY
/14	State/Prov YUK

Figure
2b

TABLE 2.0.1, con't
CLAIM DATA

Claim Name	Grant Number	No. of Claims	Expiry Date*
Nora 2'	YB26764	1	May 1, 2006
Nora 3'	YB26765	1	May 1, 2002
Nora 4'	YB26766	1	May 1, 2006
Nora 5'	YB26767	1	May 1, 2002
Nora 6'	YB26768	1	May 1, 2006
Nora 7'	YB26769	1	May 1, 2002
Nora 8'	YB26770	1	May 1, 2006
Nora 9'	YB26771	1	May 1, 2002
Nora 10'	YB26772	1	May 1, 2006
Nora 11'	YB26773	1	May 1, 2002
Nora 12-19'	YB26774-81	8	May 1, 2006
Nora 20'	YB267782	1	May 1, 2002
Nora 21-34'	YB26783-96	14	May 1, 2006
Nora 35-40'	YC07959-64	6	July 24, 1998
DMC 1-18*	YB02749-66	18	March 31, 2002
DMC 19-36*	YB02819-36	18	March 31, 2002
DMC 37-155*	YB80838-956	119	March 30, 2003
King 1-16'	YB96649-64	16	April 9, 2002
King 17-20'	YC07965-68	4	July 24, 1998
Queen 1-46'	YB96665-710	46	April 9, 2002
		344	

'-Whitehorse Mining District

*-Mayo Mining District

* The expiry dates for the Ace, Nora, King, Queen, and DMC claims are subject to approval of assessment work covered by this report.

3.0 LOCATION, ACCESS AND GEOGRAPHY

The Dromedary property is located on the slopes of Kalzas Mountain and Dromedary Mountain, some 240 kilometres north of Whitehorse in the central Yukon (Figure 1). The center of the property is approximately equidistant from the towns of Mayo (95 km), Carmacks (115 km) and Faro (110 km). The nearest community is Pelly Crossing on the Klondike Highway located 85 kilometres to the west. The MacMillan River separates the DMC claims from the Ace-Nora-Queen-King claims to the east; the Pelly River flows south of the project area. The area falls within the Mayo and Whitehorse Mining Districts, centred at 62° 55' north latitude and 135° 00' west longitude.

The project is located in the Yukon Plateau physiographic province on the northern side of the Tintina Valley. Topography varies in the area of the Dromedary property from nearly flat on the François Grid, to relatively rugged on Dromedary Mountain and on the DMC claims, which are situated on the south-facing slope of Kalzas Mountain. Elevations range from below 600 metres on the François grid to over 1800 metres at the peak of Dromedary Mountain. Above treeline, at approximately 1400 metres, alpine vegetation predominates; lower elevations are covered by mixed forest of spruce, pine, alder, poplar and willow. Recently burned areas, such as on the DMC claims, are more difficult to traverse due to a thick tangle of new growth and fallen fire-killed trees. Outcrop exposure is extensive above treeline, but becomes more scarce further down the mountain slopes and is almost nonexistent on the flats of the

François grid. Permafrost is developed in poorly drained north-facing slopes and in valley bottoms covered by thick moss.

The area has a continental climate with low levels of precipitation and a wide temperature range. Summers are typically pleasant with long daylight hours, whereas winters are long and may be extremely cold. Snow cover usually disappears by the start of June and returns by the middle of September.

The 1997 exploration program was supported by a fly-in base camp in the south-central part of the Francois Grid on the Dromedary property. Most of the 1997 exploration of the DMC Claims was conducted from fly camps located on the property. Mobilization and demobilization was via the 760 metre long Clear Lake airstrip (6961600N, 491500E - UTM Zone 8) which is suitable for a Shorts Skyvan aircraft. Final mobilization to the camp and servicing of the camp was done by helicopter, supplied by Trans North Turbo Air, which was based in Mayo. A winter road exists into the Clear Lake area from Pelly Crossing. Float-equipped aircraft access the Pelly and MacMillan Rivers as well as the many lakes in the area.

4.0 PROPERTY EXPLORATION HISTORY

The Dromedary property was acquired by Anaconda Canada Exploration Ltd. during a regional exploration program for SEDEX Pb-Zn-Ag in 1980. During the early stages of the program, massive sulphide mineralization with lead, zinc and silver values was found in an extensive gossan zone on Dromedary Mountain while following up anomalous stream sediment geochemistry. A total of 728 claims were staked by Anaconda to cover this discovery and favourable stratigraphy. There is no record of exploration having been undertaken in this area prior to the work undertaken by Anaconda. A summarized history of the property after the discovery in 1980 up to the present is as follows:

- 1981(spring): Helicopter-borne magnetometer and EM survey followed by additional claim staking.
- 1981(summer): Line-cutting, geological mapping, soil sampling, ground geophysics (MaxMin II & magnetometer) and prospecting surveys. Reconnaissance prospecting resulted in the discovery of the Cave showing on Kalzas Mountain and additional staking. Seven diamond drill holes were completed on the Dromedary Mountain showing and three more on the Dromedary Creek target, for a total of 1900 metres.
- 1982(spring): Gravity survey.
- 1982(summer): Geological mapping, soil sampling, EM, gravity and magnetometer surveys on the Ace, Bush and Clare claims. Percussion hand drill soil sampling was undertaken to test geophysical anomalies in overburden covered areas on the François Grid.
- 1984: Anaconda closes Vancouver office and ceases exploration activities in Canada.
- 1985: Fleck Resources Ltd. acquires a total of 1,436 claims from Anaconda.
- 1988: Dromedary Exploration Company Ltd. acquired the Ace and Bum claims by option agreement from Fleck Resources Ltd. and conducted claim staking along with prospecting, soil sampling, geological mapping, geophysics and trenching. Rebagliati Geological Consulting Ltd. was commissioned to conduct a review of the Dromedary Project.
- 1990: Dromedary Exploration Company Ltd. conducted 434 metres (2 holes) of diamond drilling on the François Grid (Ace Claims). Placer Dome Inc. examined the property, including limited assaying of drill core, and recommended a large drill program. Due to a shift away from base metal exploration, the program was not undertaken.
- 1992: Kennecott Canada Inc. examined the property and conducted a small soil sampling program on the Cave showing area, which returned encouraging results. Kennecott did not continue, likely in response to sudden changes in management and a brief policy shift away from SEDEX targets.
- 1993: Energold Minerals Inc., owner of the Clear Lake deposit, optioned the property and carried out additional mapping, hand auger geochemical sampling and some ground magnetics. Energold was not able to raise sufficient financing to carry out their proposed drilling program.
- 1996: Blackstone Resources Inc. optioned the property and conducted a diamond drilling program (939 metres in 5 holes) and mapping and rock sampling program in the DMC Claims area.

The Dromedary property is located 15 kilometres north of the Clear Lake SEDEX Pb-Zn deposit. Although exploration in this area stretches back to 1965 following the discovery of the Faro orebody 80 kilometres to the south, the Clear Lake massive sulphide deposit was not discovered until 1978 by drilling. The deposit is hosted by carbonaceous argillite, siltstone, chert and tuff of the Devonian-Mississippian Earn Group with geological reserves of 6.1 million tonnes grading 11.34% Zn, 2.15% Pb and 40.8 g/t Ag, using a cut-off of 7% combined Zn-Pb.

5.0 1997 EXPLORATION PROGRAM

The main objective of the 1997 exploration program was to refine geophysical (gravity, magnetic and electromagnetic highs) anomalies on the François Grid to enhance geological trends in preparation for future drilling. In addition, 50 man-days were spent geological mapping, prospecting, hand trenching and auger soil sampling to further delineate potential drill targets. One crew day was spent mapping, prospecting, and soil sampling on the King Claims in the eastern part of the property. As well, one day was spent examining the geology and mineral showings on Dromedary Mountain for comparative purposes.

On the DMC Claims, the main objective was to investigate the 7.5 kilometre long Pb-Zn-Ag soil anomaly, and its associated showings, which traverses the claims from west to east. Thirty-four man days were spent on the DMC Claims conducting geological mapping, prospecting, and rock and soil sampling, working out along strike from the known showings (the Kal and Cave Showings). The focus of the work was to uncover additional mineralization along the trace of this extensive soil anomaly.

Specifically, the 1997 program on the Dromedary Property consisted of:

François Grid Area (Ace and Queen Claims)

- 39.80 line kilometres of line-cutting.
- 31.26 line kilometres of gravity survey.
- 70.75 line kilometres of magnetometer surveying.
- geological mapping, prospecting
- 7 hand trenches to expose bedrock in areas of shallow overburden.
- 12 rock samples, 3 grab and 9 chip samples
- 56 auger soil samples on a mini-grid centred at 5400W and 700S.

King Claims

- geological mapping and prospecting, claim tagging (1 day)
- 5 rock samples
- 66 soil samples

DMC Claims

- geological mapping and prospecting.
- 79 rock samples, including 5 assay results.

- 70 soil samples collected in areas of mineralization.
- staking of an additional 119 claims to consolidate the ground position in the area.

6.0 REGIONAL GEOLOGY

The Dromedary property is located within the Selwyn Basin terrane near the boundary with the Cassiar Platform. Reconnaissance geological mapping of the Glenlyon 1:250,000 map sheets (105L) was carried out by the Geological Survey of Canada (GSC) from 1949 to 1956 (Campbell, 1967). Anaconda mapped the property at 1:5,000 (Hall, 1983). The following discussion and Figure 3 are based on Anaconda's mapping, but in order to be consistent with the GSC mapping, Campbell's unit numbers are used except for that of the Road River Group. The oldest units include minor exposures of Upper Proterozoic-Cambrian 'Grit Unit' (Unit 1) and extensive areas of Cambro-Ordovician Kechika Group phyllite and limestone (Unit 4), which is time correlative with stratigraphy hosting the Anvil deposits at Faro (Figure 3). Campbell (1967) and later, Gabrielse et al (1977), assigned the phyllite and limestone to the Anvil Range Group which is Mississippian or younger in age. These rocks are presumed to be erosional windows below unconformably overlying rocks (Hall, 1983). Although not recognized by Campbell, minor exposures of Ordovician Road River Group (Unit 9) are exposed in a few localities. The most extensive unit on the property are west-northwesterly trending strata of the Mississippian Earn Group (Unit 13u). The Earn Group includes extensive chert-pebble conglomerate of the Crystal Peak Formation (Unit 11), a proximal facies of turbidite fan complexes deposited in troughs developed by early to middle Paleozoic rifting. Fossiliferous limestone (Unit 12), unnamed middle Mississippian chert-siltstone, containing massive barite (Unit 13), and Permian-Triassic sandstone-shale-limestone (Unit 10) blanket the earlier Paleozoic strata.

Middle Cretaceous subvolcanic intrusions and volcanic rocks of the South Fork Formation (Unit 21) and quartz monzonite-granodiorite (Unit 20a) of Cretaceous (90-120 Ma) age intrude and overlie the above stratigraphy. Age dates indicate that these intrusive suites may be comagmatic. Sedimentary units in intrusive contact aureoles are metamorphosed to biotite and calc-silicate hornfels and skarn, rendering identification of the protolith difficult. The magnetic signature of the South Fork intrusive plugs is subdued and has an annular magnetic pattern, and is likely caused by pyrrhotite hornfels surrounding the quartz monzonite.

TABLE 6.0.1
TABLE OF FORMATIONS

Intrusive Units

Cretaceous to Tertiary

South Fork Formation

Unit 21: Hornblende plagioclase and quartz biotite porphyry, intrusive breccia

Cretaceous

Unit 20a: Granodiorite, quartz monzonite

Stratigraphic Units

Permian-Triassic

Unnamed

Unit 10: Calcareous sandstone, micaceous silty shale (with minor fossil plant remains), arenaceous limestone (rare brachiopods). This unit was assigned a Mississippian or earlier age by Campbell; conodonts collected from the property by Hall (1983) give a Triassic age.

TABLE 6.0.1, con't
TABLE OF FORMATIONS

EARN GROUP

Devonian - Mississippian

Unit 13u: Undivided, may include Units 13, 12, & 11
Unnamed

Unit 13: Chert with silty shale partings, lenses of massive barite and nodular barite, argillite and limestone.

Kalzas Formation

Unit 12: Fossiliferous limestone (abundant crinoid and spirifer brachiopods), laminated fossiliferous sandy limestone, black silty shale (brachiopods), and crinoidal quartz sandstone.

Crystal Peak Formation

Unit 11: Chert pebble conglomerate, chert lithic sandstone, interbedded siltstone-shale

ROAD RIVER GROUP

Ordovician to Silurian

Unit 9: Graptolitic, siliceous and graphitic shale, siltstone

KECHIKA GROUP

Cambrian-Ordovician

Unit 4: Calcareous muscovite phyllite and wavy banded limestone, calcareous siltstone

Lower Cambrian or Earlier

Unit 1: Quartzite, interbedded sandstone and limestone

7.0 PROPERTY GEOLOGY

The geology of the Dromedary property is dominated by the Devono-Mississippian Earn Group sedimentary rocks and Cambro-Ordovician Kechika Group sedimentary rocks that are arranged in thrust panels, which result in repetitions of the stratigraphic sequence (Figure 3). These thrust sheets are northwest-trending, dipping to the south as part of a major imbricate thrust and fold belt (Hall, 1983). Cretaceous-aged granodiorite intrusions metamorphose and deform the sedimentary rocks in intrusive contact aureoles.

The geology in the François Grid area consists of at least two thrust panels of Earn Group chert, argillite and limestone of Unit 13, 13u, and lesser Unit 11 (Figure 4). These have been over thrust by limestone, siltstone and phyllite of the Kechika Group. Stratigraphy generally dips to the southwest. Mapping, hand trenching and the drill core from within Unit 13 on the François Grid area show a mixed section of pyritic shaly phyllite and dark chert to siliceous siltstone. Minor limestone units have also been noted. Narrow beds of disseminated and wispy sulphides, primarily pyrrhotite and/or pyrite, are common in the section.

Overall, the geology in the area of the King Claims is very similar to the François Grid area (Figure 5). The same mixed section of shaly phyllite and siliceous siltstone to quartzite is present (Unit 13) overlain by limy, "Swiss cheese", phyllites of the Kechika Group (Unit 4). Fossiliferous shale of Unit 13 with Mn-oxide staining and carbonate alteration (calcite) is also present. In general, bedrock exposure in the King Claim area is quite poor.

The south part of the DMC Claims (Kal-Cave area) is underlain by Cambro-Ordovician phyllites and limestone of the Kechika Group (Unit 4 - Figure 6a,b). This section has been thrust onto a sequence of undivided Devono-Mississippian shale, siltstones and quartzite (Unit 13u) with beds of chert-pebble

conglomerate. At this point, there is some question whether units 13 on the François Grid, and 13u on the DMC Claims are not, in fact, the same unit. In the north part of the DMC claims, previous workers have identified additional occurrences of chert-pebble conglomerate (Crystal Peak Formation, Unit 11) as well as barite horizons (Unit 13), and shales and siltstones of the Ordovician-Silurian Road River Group. Cretaceous granodiorite to quartz monzonite intrusions have intruded, deformed and metamorphosed sediments to biotite and calc-silicate hornfels, and skarn in intrusive contact aureoles. Another thrust fault exists to the north of the DMC claims resulting in the repetition of units 13u and 11.

In the course of mapping in 1997, some evidence was found that may indicate the stratigraphy of unit 13u is older than Devono-Mississippian. Graptolites, characteristic in this area of Silurian aged Road River Group rocks, were found along a ridge top, well within the mapped extent of unit 13u (near line 4800E, 1750N). This fossil discovery indicates that there may be more thrust panels including Road River rocks present in this area than have been recognized, or, that unit 13u is actually older than Devono-Mississippian.

7.1 Mineralization

Mineralization on the property occurs as four types: syngenetic massive sulphides, bedded barite, skarn and quartz veining (Hall, 1983). From east to west, the mineralized areas are:

Dromedary Creek massive pyrrhotite mineralization in close association with fossiliferous argillite.

Dromedary Mountain poddy, massive pyrrhotite to pyrrhotite-galena-sphalerite mineralization, with a gold signature, in argillite (Unit 13) at the contact with the overlying thrust panel of Kechika Group rocks. Skarn mineralization, weak pyrrhotite-pyrite, can be found in altered rocks of the Kechika Group, characterized by tremolite, chlorite and magnetite. Bedded barite occurs on the north slope of Dromedary Mountain within Eam Group rocks.

François Grid massive to laminated massive sulphide mineralization including gold-rich pyrrhotite and laminated to massive galena-sphalerite, found in association with cherty argillite (Unit 13) in drill hole intersections over 2 kilometres of strike length. Several gossanous areas on Lone Mountain, in the western part of the François Grid, area have been investigated with the only significant mineralization being quartz-arsenopyrite-galena veining.

Kal-Cave area stringer and foliation parallel galena-sphalerite mineralization in association with pyrite-pyrrhotite in siliceous siltstone and shaly phyllite (Unit 13u), in showings found along a 7.5 kilometre long Pb-Zn-Ag soil anomaly. Bedded barite is present in this area associated with Eam Group rocks, in particular Crystal Peak Formation conglomerate.

7.1.1 François Grid and King Claims

On the François Grid, wispy pyrrhotite in cherty argillite was found in outcrop on line 3300 West, east of the drill holes completed in 1996. This occurrence could represent the strike extension of the pyrrhotite-rich stockwork located in the hanging wall to mineralization in drill holes FRN96-02 and -04. Analysis of this rock did not detect any significant base metal concentrations.

Five trenches were dug to investigate anomalous soil sample results in the area around line 5400W and 700S on the François Grid. Very finely disseminated sulphide mineralization was noted in several of the trenches. This is likely pyrrhotite or pyrite mineralization as the analytical results from the trenches were not elevated in lead or zinc. An additional two trenches were dug east of drill hole 90-1, on line 6100W at 800-825S. Neither of these trenches encountered significant mineralization.

No significant new mineralization was located on the King Claims in 1997.

7.1.2 DMC Claims

Two main showings, separated by about 5 kilometres, have been identified by previous workers on the DMC Claims; the Kal Trenches, which consists of several, trenched occurrences over several hundred metres of strike, and the Cave showing, which consists of three showings, the Cave, Fossil and Falls, stacked within a stratigraphic section (Hall, 1982; Keyser, 1990; Sellmer and Zuran, 1993). Mapping and prospecting in 1997 identified the significant field characteristics of the mineralization in the area of the Kal Trenches. The Pb-Zn mineralization is situated within a sequence of fossiliferous, calcareous quartzite, shale and siltstone and is characterized by strong Mn-oxide staining, dolomitic porphyroblasts, hematization (after pyrrhotite?), and calc-silicate alteration.

There are some differences in the host stratigraphy and the style of mineralization between the Kal and Cave showings. The geological section at the Cave Showing is dominated by "cherty", shaley rocks in the structural hanging wall whereas the Kal Trenches have predominantly quartzite and, locally, chert pebble conglomerate. Mineralization at the Cave Showing is observable over a wider section of stratigraphy, almost 100 metres thick. The Cave Showing has considerable Fe-oxide associated with it, ferricrete being one of its most distinctive characteristics. Galena and sphalerite mineralization is less obvious, overshadowed by strong pyrite-pyrrhotite mineralization. The iron sulphide mineralization occurs in a relatively siliceous rock, as fine grained disseminations up to 15% of the rock. Within the section of the Cave Showing, the Fossil Showing has characteristics similar to the mineralized zone at the Kal trenches; MnO staining, carbonatization, fossiliferous stratigraphy. It is assumed at this time that the Kal Trench zone is correlative with the middle of the Cave Showing area stratigraphy, the Fossil Zone.

Using the characteristics of the mineralized zone at the Kal Trenches as a guide, mapping and prospecting traced the mineralized stratigraphy west from about 6400E to 3600E where extensive overburden covers the trace of the zone. Working east from the Cave Showing at 1400E, mineralized stratigraphy can be traced to about 3200E. Several showings were located along the mineralized horizon in the course of mapping and prospecting. These showings are described below:

Gully Showing

Located about half way between the two main showings, (about 2.5 kilometres from each), this showing occurs in a small bluff on the margin of a gully where it crosses a low ridge. Mineralization is hosted in fossiliferous, shaley phyllite and occurs as disseminated and wispy galena and sphalerite. Select samples from this showing returned up to 5.53% Pb and 5.83% Zn (Sample #010469). Chip samples from this zone returned up to 1.2% Pb and 0.6% Zn over 1.0 metres (Sample # 596765). The soil anomaly associated with this mineralization is strongest just north of the gully which lies on the north side of the showing. It is possible that the best mineralization in the Gully Showing area is recessive and poorly exposed, consistent with the mineralized horizon on the Kal-Cave Grid in general.

Tim Zone

This zone is located about one kilometre west of the Kal Trench area along the trend of the mineralized horizon. Although there is very little outcrop exposure in the area, samples of manganese oxide stained, weathered float returned consistently anomalous values in lead and zinc over about 300 metres of strike. These values range up to 0.18% Pb (Sample # 596756) and 0.47% Zn (Sample #010417). Float with disseminated galena and sphalerite, which returned 0.93% Pb and 0.88% Zn (Sample 010419), was located about 400 metres east of the Tim Zone.

Tom Showing

Originally located in 1996 (Caulfield and Weber, 1996), the Tom Showing has been extended about 30 metres east in 1997. The distance between the two occurrences is about the extent of outcrop in this area. The Tom Showing appears to be a narrow zone of, at least partly, fracture controlled mineralization in well foliated phyllite. A 1.6 metre chip sample across the original showing returned 0.5% Pb and 0.7% Zn (Sample 010413). A grab sample of similar material east of the showing contained 2.27% Zn and 0.88% Pb (Sample 101453).

Ferricrete Zone

Abundant ferricrete occurs between 2400E and 3200E, along the base of the slope about 150 metres north of the baseline. Lead and zinc values are weakly elevated in the ferricrete but better values were found in float samples up slope in the vicinity of anomalous soil samples from the 1982 grid. The stratigraphy in this area likely represents an eastward extension from the Cave Showing which is characterized by abundant iron-rich mineralization and ferricrete. The best values from rocks in the area of the Ferricrete Zone are 1010 ppm Pb (Sample 010422) and 928 ppm Zn (Sample 010464).

Additional mineralization was detected along the mineralized horizon on the Kal-Cave Grid. The better samples are listed in Table 7.1.1.

TABLE 7.1.1
Significant Results from the Kal-Cave Grid Area, DMC Claims

Sample #	Width (m)	Pb ppm	Zn ppm	Ag g/t	Au ppb	Other	Comments
010413	1.6 m chip	5040	7180	11.6	10		Tom Showing
010417	float	214	4670	0.4	<5		local float, 5200E/775N, upper Tim Zone
010418	talus	636	510	2.0	<5		Tim Zone
010419	float	9270	8750	14.2	<5		5650E/700N
010422	float	1010	22	2.6	<5		2820E/500N
010427	select	414	4030	1.8	<5		2000E/800N, .57% Pb in soil
010453	grab	8780	2.27%	20.4	10		30 m east of Tom Showing, 5520E/105N
010454	0.5 m	814	1.81%	2.2	<5	330 ppm As	6125E/830N, west of Kal Trenches
010455	grab	302	770	1.6	<5	324 ppm As	east Tim Zone,
010456	grab	56	3230	0.6	<5	249 ppm Cu	east Tim Zone
010459	grab	16	2670	<0.2	<5		L5600E area
010460	grab	794	450	1.8	<5		adjacent 459
010461	grab	472	424	1.8	<5		2850E/340N
010464	grab	196	928	<0.2	<5		ferricrete, 2825E/150N
010466	grab	1685	1660	7.2	<5		1875E/800N
010467	2m grab	796	696	1.0	<5		1800E/875N, soil anomaly
010469	select	5.53%	5.83%	17.8	<5	41 ppm Hg	Gully Showing
010470	select	6370	1855	2.8	<5		Gully Showing
010471	select	3250	2430	2.0	<5		Gully Showing
596751	1.75 m chip	2060	4950	3.8	<5		old trench TK-3, 6010E/830N
596752	1.35 m chip	8870	9650	12.6	<5		TK-3, not contiguous from 596751
596755	(1.4 m) float	562	118	0.6	<5		Tim Zone, trench in local talus, could not reach bedrock

TABLE 7.1.1, con't
Significant Results from the Kal-Cave Grid Area, DMC Claims

Sample #	Width (m)	Pb ppm	Zn ppm	Ag g/t	Au ppb	Other	Comments
596756	(1.3 m) float	1790	234	1.2	<5	220 ppm As	Tim Zone trench, contiguous with 596755
596760	grab	24	574	<0.2	<5	136 ppm Sb 44 ppm Mo	2500E/225N, near ferricrete zone
596764	0.6 m chip	1.22%	1010	3.0	<5	3 ppm Hg	Gully Showing, 4050E/850N
596765	1.0 m chip	1.24%	5970	3.6	<5	4 ppm Hg	Gully Showing, 5 m west of 764
596766	0.75 m chip	538	1660	0.8	<5		Gully Showing, 5 m east of 764

Facies changes and zonation in the mineralizing system could account for the differences in mineralization and alteration style between the showings. The greater intensity of alteration and mineralization at the two main showing area suggests that these may be located near hydrothermal vents. The narrow and lesser developed zones (based on current data) elsewhere could be more distal to vents. Structural controls on mineralization, such as local basins, have not been identified.

8.0 SOIL GEOCHEMISTRY

Soil sampling was done in two areas of the main Dromedary Property: the King Claims and the François Grid. Soil sampling was also done in three areas of the DMC Claims: a mini-grid around the Gully Showing, a single line on strike west of mineralization at the Cave Showing, and a single line east of the Tom Showing. All samples were analysed at Chemex Labs for 32 elements (by ICP-AES) and gold (fire assay-AAS on a 30 g sample). Statistical analysis of the results of the soil sampling can be found at the back of Appendix F.

8.1 King Claims

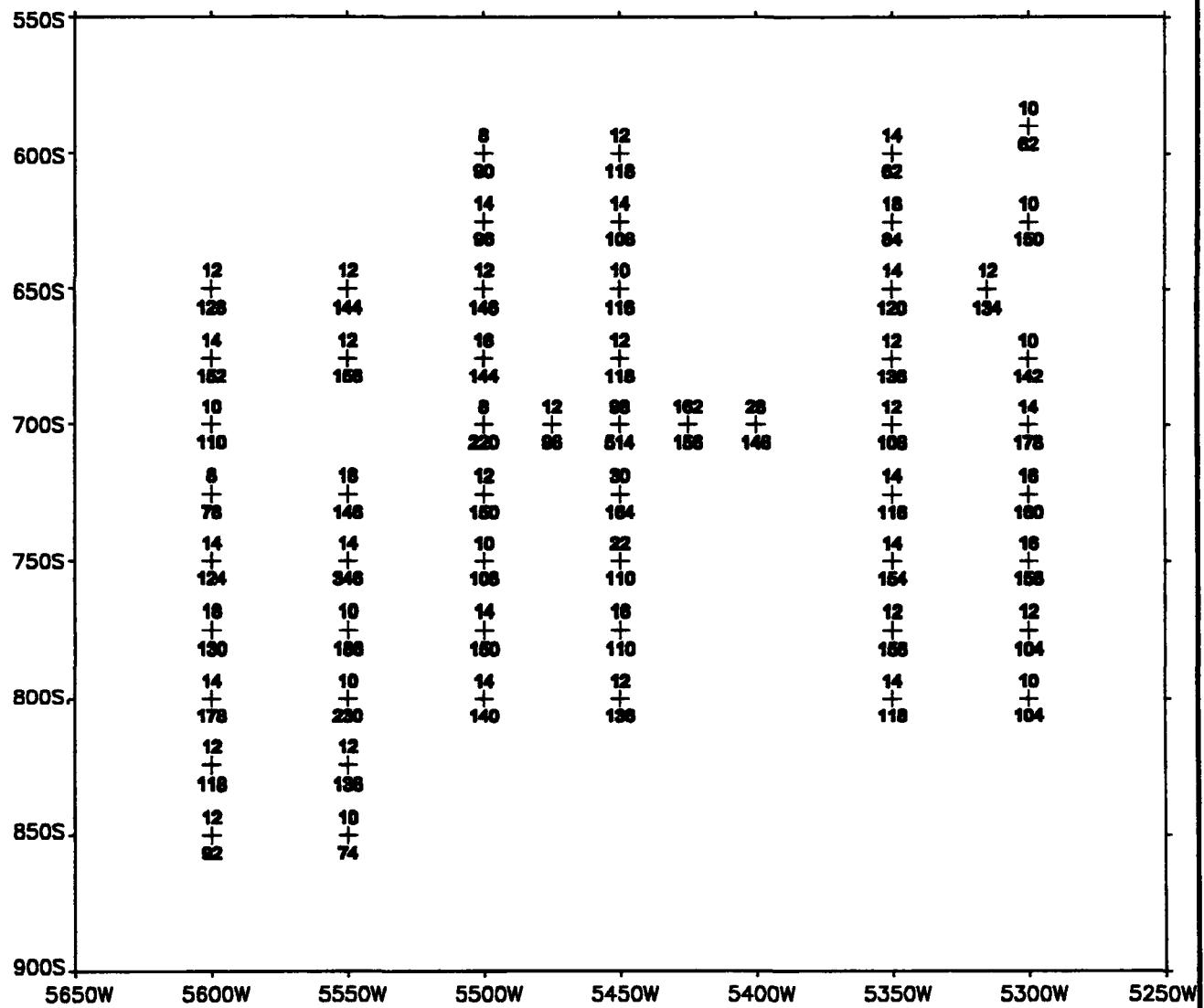
A total of 66 soil samples were taken, both along the central claim line to the King 1-16 claim block and along two lines designed to cross the prospective stratigraphy at right angles. Samples were taken at 100 metre intervals along the claim line, as well as at each claim post location and were dug to the B-horizon. The two cross lines were sampled at 25 and 50 metre intervals.

Statistical analysis of the results from this soil sampling survey (Appendix F) indicate a concentration of anomalous results (greater than 95th percentile) for lead, zinc, copper and barium, in the area around drill hole 81-8 which intersected a massive pyrrhotite body. Another area of anomalous results, particularly for zinc and barium is along the claim line between the number 1 and 2 posts for King 3 and 4 claims. This anomaly is on the slope toward Dromedary Creek west of the drill holes in this area.

8.2 François Grid

A small auger soil sampling grid was done in the vicinity of anomalous soil and rock samples taken in 1982 around 5400W and 700S. This area was chosen for sampling because of the apparent shallow depth of overburden. A total of 56 samples were taken at 25 metre spacing along lines spaced 50 metres apart. The samples were taken at depths between 45 and 130 centimetres. The object was to take all samples as close to bedrock as possible, essentially sampling the C-horizon of the soil.

Results of the survey show anomalous lead and zinc values concentrated near the centre of the grid, at 5450W and 700S. A weak northeast-southwest trend is apparent, particularly when looking at



Zn in ppm

+
Pb in ppm

0 25 50 100
metres

BLACKSTONE RESOURCES INC.

DROMEDARY PROPERTY

DMC CLAIMS

FRANCOIS GRID AREA

AUGER SOIL SAMPLES



DEC 1987

12500

105L/14

Mayo

Yukon

Territory

7

some of the elements associated with mineralization in this area, such as barium and phosphorous. The low level for anomalous results (95th percentile for Pb = 28.5 ppm) may suggest that mineralization is weak in this area. Conversely, it may be that overburden is deeper than expected and is masking the geochemical response in soil relating to mineralization.

8.3 DMC Claims

Gully Grid

A total of 51 soil samples were taken on the Gully Grid, designed to test the mineralized horizon over about 300 metres of strike around the Gully Showing (at 4050E, 550N). Samples were taken at 25 metre intervals along lines spaced 100 metres apart.

Based on statistical analysis for the entire Kal-Cave Grid (Anaconda's 1982 data), the cut off for highly anomalous lead in this area is 60 ppm (95th percentile). A narrow lead and zinc anomaly (1 to 2 samples wide) with values up to 278 ppm Pb and 908 ppm Zn lies just north of the Gully Showing (Figure 8a). This anomaly arcs across the ridge and is strongest on line 4000E. The anomaly trends toward anomalous base metal values (91 ppm Pb and 445 ppm Zn) in soil samples from Anaconda's work on line 4400E, adjacent to a small ferricrete zone.

Line 700E

A short soil line was completed at 700E, between 1000N and 1250N for a total of eleven samples (Fig. 8b). Results from this line indicate a continuation of anomalous results from the Cave area showings. Lead and zinc values up to 110 ppm and 498 ppm respectively were found. These values are supported by anomalous results in barium, copper, manganese, and phosphorous. Also, magnesium values from this line are the highest in the 1997 sampling.

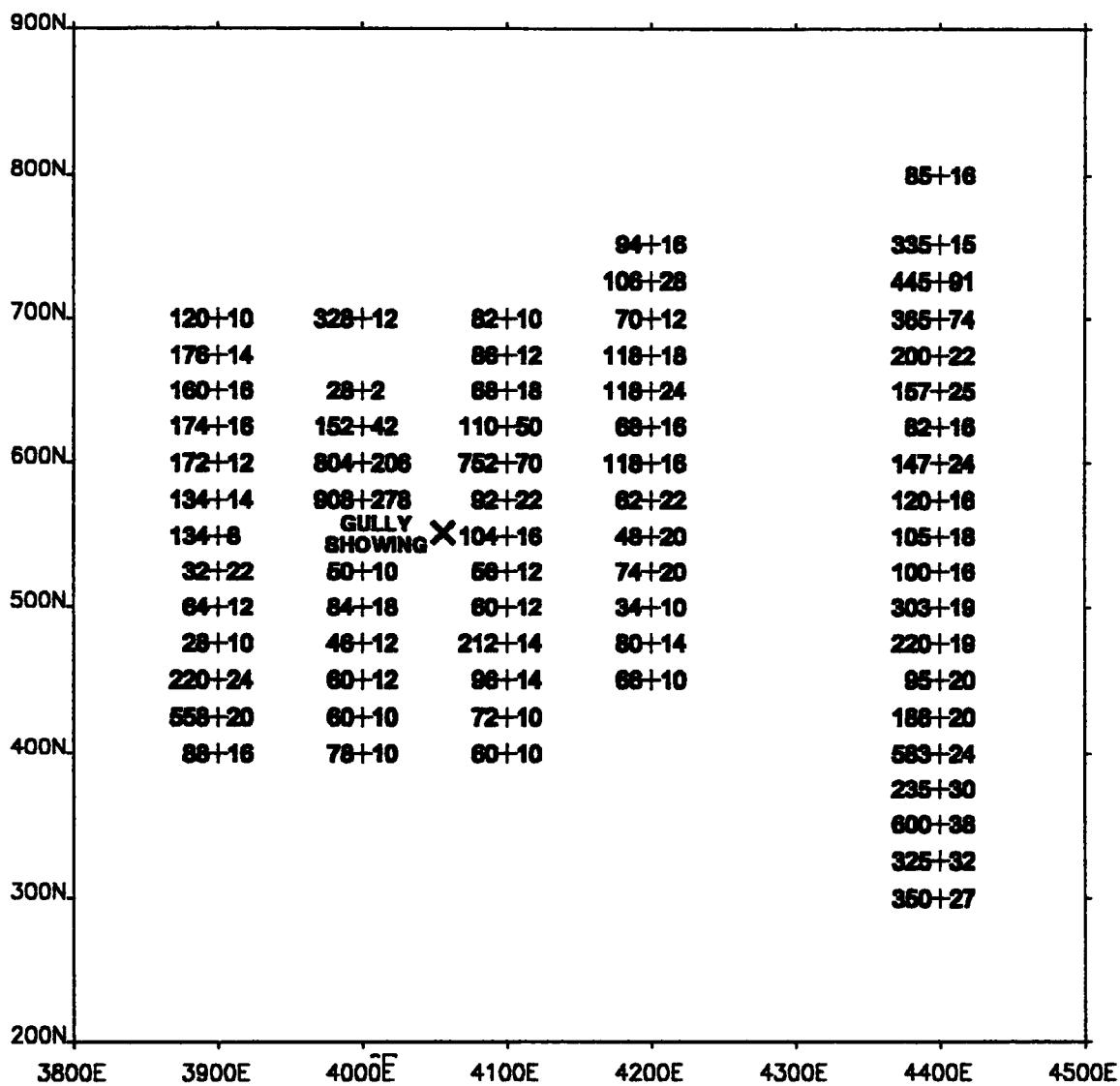
Line 5550E

Another short soil line was completed from the baseline to 200N at 5550E, also for a total of nine samples (Fig. 8c). This line was located east of the Tom Showing to look for continuation of that mineralization. Results of the sampling were weak in general. However, there is a single sample anomaly in lead (86 ppm) located along strike from the Tom Showing.

9.0 GEOPHYSICAL SURVEYS

Gravity and magnetic surveys were conducted on the François Grid during the 1997 field program. The surveys were done on fill-in lines to the grid surveyed by Anaconda in 1981 and 1982. This fill-in provided geophysical information at 100 metre line spacing from line 3000W to 6600W and 200 metre line spacing from 6600W to 8700W. The lines were surveyed to 1000-1300N and 1000-1800S in the east part of the grid, and from 450-900N to 2000S in the western part of the grid. The results of these surveys were tied into previous results from Anaconda on both the François and Lone Mountain grids.

A summary of the results of the geophysical surveys is included in this report as Appendix D. Overall, the surveys provided high definition data over several strong magnetic and gravity anomalies which are related to stratigraphy and to mineralized zones in the François Grid area. A total of 19 separate anomalies have been identified by the gravity survey. The geophysical data defines at least three major trends of coincident gravity and magnetic highs as well as several isolated gravity-magnetic and gravity-only highs. The most significant anomalous trend crosses the entire François Grid from east to west, a distance of over 5.8 kilometres. Lead-zinc mineralization associated with the geophysical anomalies has been located along this trend over 2.2 kilometres. The rest of this trend, as well as the



Zn in ppm + Pb in ppm

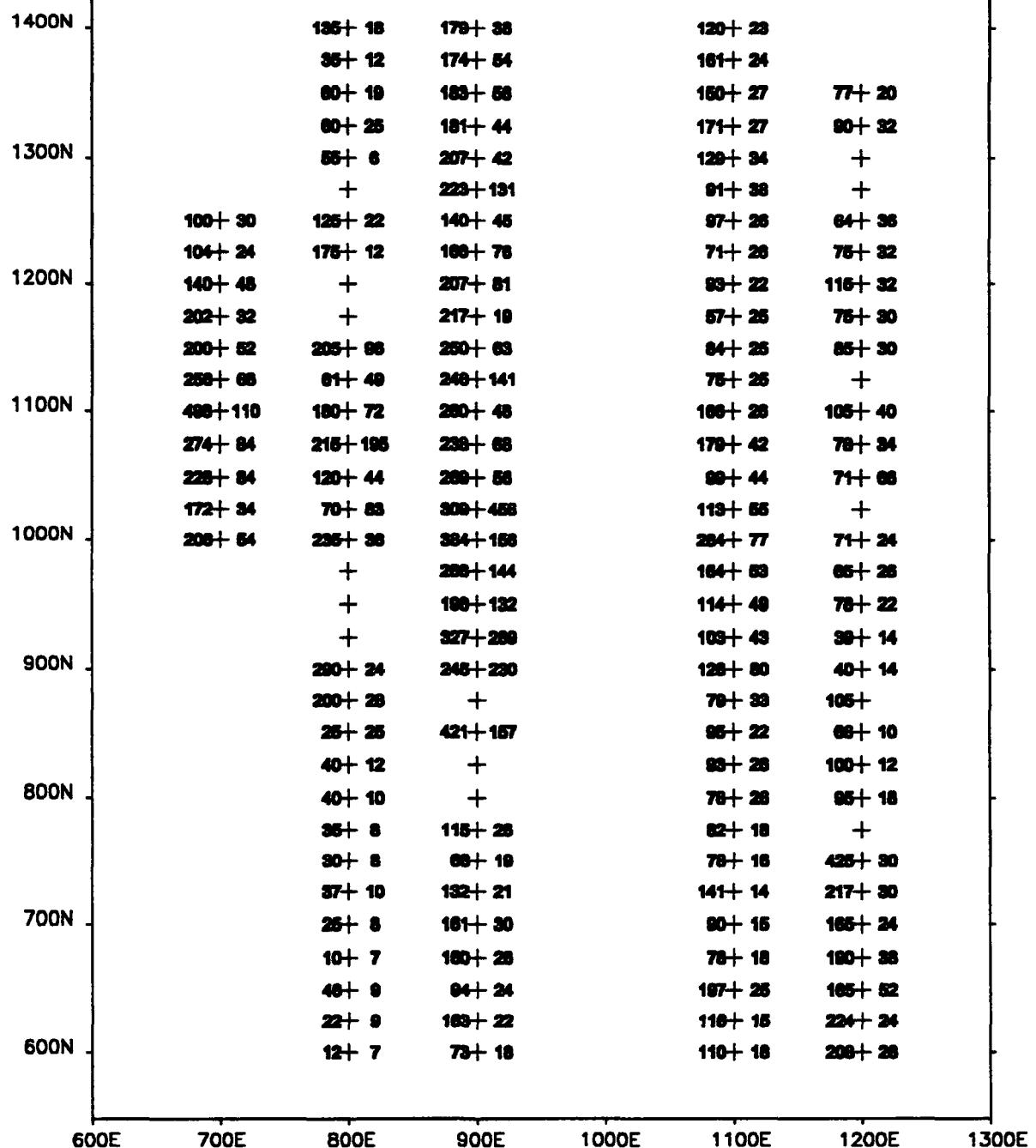
All samples from 1997 except Line 4400E which is data from 1982 (Anaconda)

BLACKSTONE RESOURCES INC.

DROMEDARY PROPERTY
DMC CLAIMS
GULLY GRID
SOIL SAMPLES

0 50 100 200
metres

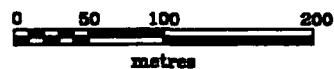
BLACKSTONE RESOURCES INC.	DEC 1997	1:5000	8a
1051/14	Yukon Territory	Maze	
1051/14	Yukon Territory	Maze	



Zn in ppm + Pb in ppm

Only samples on L700E taken in 1997.

Other lines included for reference.



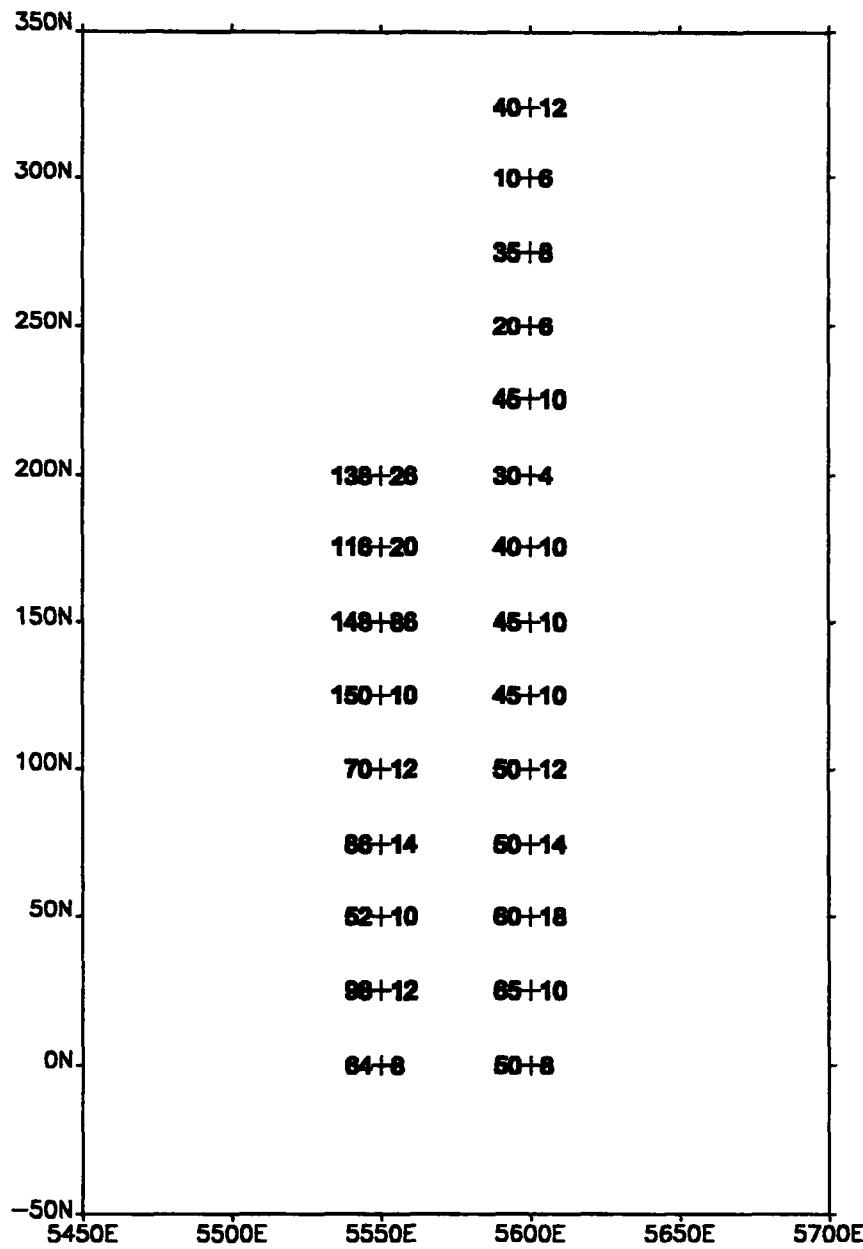
BLACKSTONE RESOURCES INC.

DROMEDARY PROPERTY

DMC CLAIMS

L700E AREA

SOIL SAMPLES



Zn in ppm + Pb in ppm

Samples on Line 5500E taken in 1997

Samples on Line 5600E are from 1996 (Anaconda)

BLACKSTONE RESOURCES INC.

DROMEDARY PROPERTY

DMC CLAIMS

L5500E AREA

SOIL SAMPLES



SEAL	DEC 1997	1:2500	8c
2/24/2000	Maple 2000	Maple	
1/22	105L/14	Yukon Territory	

other anomalous trends on the François Grid have not been tested for mineralization and have only minimal surface geological information available. The geophysical surveys on the François Grid have provided compelling reason for more exploration, particularly diamond drilling, in this area.

10.0 DISCUSSION AND RECOMMENDATIONS

The potential to host large tonnage SEDEX deposits in the western part of the Selwyn Basin was first recognized by Anaconda personnel in the early 1980's. The presence of stratabound sulphides and barite in close association with coarse clastic rocks of the Eam Group indicated a depositional environment and setting not unlike that hosting the Tom and Jason deposits (29 Mt of 6.8% Zn, 5.78% Pb, 64 g/t Ag) in the MacMillan Pass area and the Clear Lake deposit (6.1 Mt of 11.34% Zn, 2.15% Pb, and 40.8 g/t Ag) located 15 kilometres south of the property. Similar to other productive SEDEX camps, stratabound and stratiform mineralization, dominated by pyrrhotite, have been found occurring over a strike length of 40 kilometres at Dromedary. At Howard's Pass, a series of stratiform lead-zinc showings extending along 40 kilometres of strike length were defined prior to discovery of the main deposit.

10.1 François Grid and King Claims

The 1997 field program on the François Grid was successful in delineating the magnetic and gravity geophysical signature associated with mineralized horizons which were intersected in previous drilling by Blackstone Resources Inc.. Blackstone's 1996 program encountered economic grades of Pb-Zn-Ag massive sulphide mineralization, and identified a broad zone of chlorite-silica-pyrrhotite alteration, possibly a feeder zone to the massive sulphide mineralization. The Au-bearing, massive pyrrhotite intersected in drill hole 90-1 is undoubtedly equivalent to lower zone mineralization in drill holes FRN96-02, and -04 (Figure 4). These correlative horizons are 1000 metres apart and demonstrate the excellent continuity of the mineralization at this stratigraphic level. The magnetic anomaly associated with the massive pyrrhotite mineralization intersected in 1990 and 1996 has been traced over 4 kilometres to the west and 1 kilometre east by geophysical surveying in 1997. Several large gravity anomalies coincident with this magnetic feature (Appendix D) represent attractive targets for further exploration. Mineralization with similar character on the King Claims indicates that the system is more widespread.

Auger soil sampling from 1997 and 1982 has detected weak to moderate Pb-Zn soil anomalies (Figure 7) corresponding to magnetic-gravity anomalies A and B (Appendix D) on the François Grid. These anomalies lie along strike from massive pyrrhotite and/or galena-sphalerite to the east and west. Similar soil anomalies on the King Claims are associated with the massive pyrrhotite body in that area.

An aggressive program of diamond drilling is recommended for the Dromedary Property. This program will investigate the greater than 5 kilometre long, coincident gravity-magnetic anomaly and trace the mineralization encountered in drill holes FRN96-02 and 04 on the François Grid. A drill program of at least 3000 metres in 23 drill holes would test most of the significant geophysical and geochemical targets on the François grid at an acceptable step-out spacing of approximately 200 metres. This program will be subject to modification as new information is gained by the drilling.

Additional geophysical work should be done on the west part of the François Grid once it is determined that the anomalies detected in 1997 are in fact related to lead-zinc mineralization. The density of the geophysical information in the west part of the François Grid should be brought up to the level of the east part of the grid (100 metre spacing on cut lines). Geological and geochemical evaluation of the Lone Mountain area should be done in light of the new geophysical information available. Any further work on the King Claims should be contingent on success in the François Grid area as the targets on these claims are of lesser calibre.

It would be advisable to stake additional claims to the north and south of the François grid area to provide protection in the event of a discovery. The south boundary of the property may be too close

for complete development of an ore-body dipping south from the area of current investigation. Less is known about the rocks to the north but there are several interesting geophysical anomalies which lie close to the current boundary in this area. One or two claim widths should be sufficient in both cases.

10.2 DMC Claims

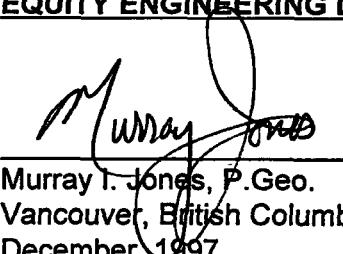
Several new mineralized showings along the trend of a significant lead and zinc soil anomaly over 7.5 kilometres in length were discovered in the 1997 field program on the DMC 1-155 Claims. The showings were found by searching between the widely spaced lines originally explored by Anaconda in the early 1980's. Overall, the mineralized zone is characterized by iron sulphide mineralization, carbonate porphyryblasts, manganese oxide staining, and hematitic weathering, and is associated with fossiliferous strata. Galena and sphalerite mineralization occurs as narrow stringers to wispy disseminations in a zone which is sub-parallel to the bedding overall. The consistent association of the mineralized zone with a fossil-rich horizon and its bedding parallel orientation indicates the mineralization is most likely stratabound, characteristic of SEDEX deposits.

Detailed soil sampling in 1997 has detected weak to moderate Pb-Zn soil anomalies corresponding to the strike of the mineralized zone which crosses the DMC Claims. These anomalies lie along strike from galena-sphalerite mineralization in several showings and provide additional indication of the continuity of the mineralized zone.

Work in 1998 should concentrate on filling in more geological information on the mineralization found to date and expanding the mineralized zone overall. Additional mapping and prospecting would likely turn up more showings. A trenching program could fill in needed geological information in areas of anomalous soils and sparse outcrop such as west of the Kal Trenches, and east of the Cave area showings. Magnetometer and electro-magnetic surveys may prove useful on the DMC Claims as they have in the François grid area. Any new survey lines should be done intermediate to the old Anaconda grid to avoid duplication of information and give a more detailed picture of the grid area. An alternative way to achieve detailed, blanket geophysical coverage of the DMC Claims would be a closely spaced airborne survey. This fill in work should lead to more definitive drill targets along this very large geochemical anomaly

It is recommended that a study of the fossil record in the Kal-Cave stratigraphy be undertaken to determine the age of the host rocks to most of the mineralization. The apparent presence of graptolite fossils, which reach only to the upper Silurian, in the Devono-Missippian Earn Group rocks of Unit 13u is inconsistent. If Unit 13u is in fact older, possibly upper Silurian in age, it opens up new potential for exploration in a different section of stratigraphy. A Silurian age would be consistent with the lead isotope data obtained on mineralization from the François Grid and Kal-Cave areas of the Dromedary Property (Appendix G) and the huge Howard's Pass deposit in the eastern Selwyn Basin. Detailed geological mapping should be done to determine the relationship to the mineralized zone of the apparent "trough fill" sediments, the pebble conglomerates which occur north of the Kal Trench and Tim Zone areas. As well, the mapping should attempt to identify other areas with similar conglomerate units as this is a key component to the SEDEX deposit model which is being applied on the Dromedary Project.

Respectfully submitted,
EQUITY ENGINEERING LTD.


Murray I. Jones, P.Geo.
Vancouver, British Columbia
December, 1997

APPENDIX A

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BIBLIOGRAPHY

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APPENDIX B

LIST OF PERSONNEL

LIST OF PERSONNEL

Murray I. Jones (Project Geologist)
8606 144A St.
Surrey, B.C.
V3S 2Y2

Matt Henry (Camp Manager, Senior Sampler)
301-725 West 70th Ave.
Vancouver, B.C.
V6P 2Y5

Tim Sullivan (Prospector)
P.O. Box 8, Site M, RR#1
Hazelton, B.C.
V0J 1Y0

Warren Cole (Junior Sampler)
P.O. Box 3165
St. Paul, Alberta
T0A 3A0

Ryan MacGregor (Junior Sampler, survey assistant)
P.O. Box 27
Mayo, Yukon
Y0B 1M0

Lise Tompson (Cook)
P.O. Box 8000-439
Abbotsford, B.C.
V2S 6H1

APPENDIX C

STATEMENT OF EXPENDITURES

**STATEMENT OF EXPENDITURES
DROMEDARY PROPERTY
ACE, NORA, QUEEN, AND KING CLAIMS
June 19 to July 21, 1997**

CANADA) In the matter of an evaluation program on the Dromedary property

I, Murray I. Jones, of Equity Engineering Ltd., 207, 675 West Hastings Street, Vancouver, B.C. do solemnly declare that a program consisting of line cutting, geochemical sampling, geological mapping, prospecting and geophysical surveying was carried out on the ACE, NORA, QUEEN and KING Mineral Claims between June 19 and July 21, 1996. The following expenses were incurred during the course of this work and in the compilation and reporting of the results:

FRANÇOIS GRID AREA - ACE, NORA, AND QUEEN CLAIMS

PROFESSIONAL FEES AND WAGES

Murray I. Jones, P.Geo.

11 days @ \$425/day	\$ 4,675
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Tim Sullivan, Prospector

4 days @ \$275/day	1,100
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Matt Henry, Senior Sampler

4 days @ \$275/day	1,100
--------------------	-------

Warren Cole, Junior Sampler

7 days @ \$225/day	1,575
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Ryan MacGregor, Jr Sampler

<u>9 days @ \$225/day</u>	<u>2,025</u>	\$ 10,475
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ANALYSES

35 Days

Rocks	\$ 180	
Soils	1216	\$ 1,396

SUB-CONTRACTS

Linecutting	\$ 22,100	
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Gravity Survey	31.26 kms	32,798
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Magnetometer	70.75 kms	\$ 62,448
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GENERAL EXPENSES (attach)

\$158,875 x 0.53 (50 man/days of 95 total field days)	\$ 83,461
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TOTAL

<u>\$ 157,780</u>

KING CLAIMS**PROFESSIONAL FEES AND WAGES**

Murray I. Jones, P.Geo.

1 day @ \$425/day	\$ 425
Tim Sullivan, Prospector	
1 day @ \$275/day	275
Matt Henry, Senior Sampler	
1 day @ \$275/day	275
Warren Cole, Junior Sampler	
1 day @ \$225/day	225
	\$ 1,200

ANALYSES

Rocks	\$ 82
Soils	934
	\$ 1,016

SUB-CONTRACTS

Helicopter	\$ 2,876
------------	----------

GENERAL EXPENSES (attach)

158,875 x 0.042 (4 man/days of 95 total field days)	\$ 6,673
---	----------

TOTAL\$ 11,764

And I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of the Canada Evidence Act.

Declared before me at Vancouver in the
Province of British Columbia this

2nd day of January, 19 98)



Notary Public for the Province of British Columbia

IAN J. TALBOT
Barrister & Solicitor
657 - 409 Granville Street
Vancouver, B.C. V6C 1T2

EQUITY ENGINEERING LTD.**DROMEDARY PROJECT - GENERAL FIELD, SUPPORT, PREPARATION COSTS APPLIED TO ACE, NORA, KING AND QUEEN CLAIMS**

Project: BLK97-03
Date: 18-Dec-97

	DAYS	RATE	SUBTOTAL	TOTAL
WAGES:				
Project Geologist, Murray Jones	21	\$ 425	\$ 8,925.00	/
Prospector, Tim Sullivan	8	275	2,200.00	
Senior Sampler, Matt Henry	42	275	11,550.00	/
Junior Sampler, x two	11	225	2,475.00	
Cook, Lise Tompson	32	300	9,600.00	/
First Aid Attendant	33	25	825.00	
				35,575.00
RENTALS (EQUITY AND NON EQUITY)				
Camp (mandays)	326	\$ 25.00	\$ 8,150.00	/
Chainsaw	19	15.00	285.00	
Firefighting Equipment	33	10.00	330.00	/
Generator (5kVA) (/month)	1	500.00	500.00	/
Handheld Radios(mday)	200	5.00	1,000.00	
Pentium Notebook	30	15.00	450.00	
Rental vehicle for Tim Sullivan (travel)	0		1,563.81	
Rental vehicle and equipment in Mayo	0		412.50	
				12,691.31
SUBCONTRACTS				
Camp Construction			3,200.00	
Fixed Wing			15,742.00	/
Helicopter			21,515.15	/
				40,457.15
EXPENSES				
Accommodation		\$	793.25	
Airfare		\$	778.10	25% of total,
Automotive Fuel			48.14	
Aviation Fuel			3,933.68	
Camp Food			7,446.65	
Camp Supplies			3,064.16	
Communications			4,411.31	
Courier, Freight			473.94	
Drum Deposit			300.00	
Expediting			1,630.00	
Field Supplies			6,947.76	
Freight			2,441.34	
Maps & Publications			233.98	
Meals			196.87	
Office Supplies			55.91	
Orthophoto			7,620.00	
Petrography			750.00	
Printing & Repro			1,105.05	
Reclamation			325.37	
Taxis, Parking, Tolls			161.20	
		\$	42,716.71	
ESTIMATED POST-FIELD EXPENSES				
Report and Drafting		\$	10,900.00	
			10,900.00	
SUBTOTAL				142,340.17
MANAGEMENT FEES				
12% on expenditures up to \$100,000		\$	12,000.00	
10% on expenditures \$100,001 to \$500,000			4,234.02	
				<u>16,234.02</u>
TOTAL		\$	158,574.19	
CONTINGENCY		10%		-
SUBTOTAL				<u>158,574.19</u>
G.S.T.		7%		<u>11,100.19</u>
GRAND TOTAL				<u>\$ 169,674.38</u>

**STATEMENT OF EXPENDITURES
DROMEDARY PROPERTY, DMC 1-155 CLAIMS
June 30 to July 21, 1997**

CANADA) In the matter of an evaluation program on the Dromedary property

I, Murray I. Jones, of Equity Engineering Ltd., 207, 675 West Hastings Street, Vancouver, B.C. do solemnly declare that a program consisting of, geochemical sampling, geological mapping, and prospecting was carried out on the DMC Mineral Claims between June 30 and July 21, 1996. The following expenses were incurred during the course of this work and in the compilation and reporting of the results:

DMC CLAIMS

PROFESSIONAL FEES AND WAGES

Murray I. Jones, P.Geo.

11 days @ \$425/day	\$ 4,675
Tim Sullivan, Prospector	
10 days @ \$275/day	2,750
Matt Henry, Senior Sampler	
1 day @ \$275/day	275
Warren Cole, Junior Sampler	
11 days @ \$225/day	2,475
Ryan MacGregor, Jr Sampler	
1 day @ \$225/day	225
	\$ 10,400

ANALYSES

Rocks	\$ 934
Soils	1,003
	\$ 1,937

SUB-CONTRACTS

Helicopter	\$ 13,609
	\$ 13,609

GENERAL EXPENSES (attach)

$\$100,076 \times 0.46$ (34 man/days of 74 total field days after June 30) \$ 45,981

TOTAL

\$ 71,928

And I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of the Canada Evidence Act.

Declared before me at Vancouver in the
Province of British Columbia this
2nd day of January, 19 98

IAN J. TALBOT
Barrister & Solicitor
657 - 409 Granville Street
Vancouver, B.C. V6C 1T2

Notary Public for the Province of British Columbia

EQUITY ENGINEERING LTD.

DROMEDARY PROJECT - GENERAL FIELD, SUPPORT, AND PREPARATION COSTS, AFTER JUNE 30, 1997, APPLIED TO THE DMC CLAIMS

Project: BLK97-03
 Date: 23-Dec-97

	DAYS	RATE	SUBTOTAL	TOTAL
WAGES:				
Project Geologist, Murray Jones	45	\$ 425	\$ 1,912.50	
Prospector, Tim Sullivan	2	275	550.00	
Senior Sampler, Matt Henry	21	275	5,775.00	
Junior Sampler, x2	5	225	1,125.00	
Cook, Lisa Thompson	22	300	6,600.00	
First Aid Attendant	22	25	550.00	
				16,512.50
RENTALS (EQUITY AND NON EQUITY)				
Camp (mandays)	215	\$ 25.00	\$ 5,375.00	
Chainsaw	12	15.00	180.00	
Firefighting Equipment	22	10.00	220.00	
Generator (5kVA) (/month)	22	20.00	400.00	
Handheld Radios(m/day)	134	5.00	670.00	
Pentium Notebook	24	15.00	360.00	
vehicle for Tim	0		843.05	
				8,248.05
SUBCONTRACTS				
Geophysical compilation		\$	1,250.00	
Camp Construction			2,005.66	
Fixed Wing			5,458.00	✓
Helicopter			22,608.22	
				31,321.88
EXPENSES costs relating to overall period of Dromedary Project have been reduced to a portion of the total as 22/33 (days after June 30, 1997)				
Accommodation		\$	523.55	
Airfare		\$	778.10	25% of total
Automotive Fuel			48.14	
Aviation Fuel			2,598.23	
Camp Food			4,914.36	
Camp Supplies			2,022.35	
Communications			2,950.73	
Courier, Freight			273.73	
Expediting			1,075.80	
Field Supplies			4,585.62	
Freight			1,611.28	
Maps & Publications			154.43	
Meals			129.93	
Office Supplies			36.80	
Petrography			750.00	
Printing & Repro			742.50	
Reclamation			214.74	
Taxis, Parking, Tolls			106.39	
car rental (Whitehorse)			40.00	
		\$	23,554.68	
ESTIMATED POST-FIELD EXPENSES				
Report and Drafting		\$	10,750.00	
			10,750.00	
SUBTOTAL				90,387.11
MANAGEMENT FEES				
12% on expenditures up to \$100,000		\$	9,889.50	
			<u>9,889.50</u>	
TOTAL		\$	100,076.61	
CONTINGENCY				
SUBTOTAL		10%		<u>-</u>
				<u>100,076.61</u>
G.S.T.				
		7%		<u>7,005.38</u>
GRAND TOTAL				<u>\$ 107,081.97</u>

APPENDIX D

GEOPHYSICAL REPORT

Blackstone Resources Inc.

**1997 GEOPHYSICAL PROGRAM
ON THE DROMEDARY PROPERTY**

Located near Dromedary Mountain
Mayo and Whitehorse Mining Districts

NTS 105L/14,15
62° 55'N, 135° 00'W

-prepared for-

**Blackstone Resources Inc.
501-675 West Hastings Street
Vancouver, B.C.
V6B 1N2**

-prepared by-

**Ken Robertson, P.Geo.
VOX Image Limited
7540 Garfield Drive
Delta, B.C.
V4C 7L4**

January 1998

1997 GEOPHYSICAL PROGRAM ON THE DROMEDARY PROPERTY

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FIGURES

1. Magnetic modelling of 10 million tonne orebody with varying dips
2. Gravity modelling of 10 million tonne orebody with varying dips
3. Gravity modelling of 5 million tonne tabular orebody with increasing depths
4. Gravity modelling of 5 million tonne cubic orebody with increasing depths

MAPS (Scale 1:10,000)

1. Geophysical Interpretation
2. Total Field Magnetics (Colour contoured)
3. Gravity, Elevation and Magnetic Profiles with Interpretation
4. Magnetometer Survey Values
5. Gravity and Elevation Survey Values

INTRODUCTION

In the spring of 1997 a recovery and compilation of geophysical survey data was started on the Dromedary Property. This earlier work was performed by Anaconda Canada Exploration Ltd. in 1982 and 1983 under the direction of Mr. Alan Scott. The survey area was selected, in part, on the basis of airborne EM and magnetic anomalies detected by Geoterrex in 1981.

From June 28 to July 21, 1997 MWH Geo-Surveys Ltd., read and levelled 1253 new gravity stations and 104 repeat stations on the Francois Grid. New grid lines were selected to fill in the wide line separations used by Anaconda. A station spacing of 25m was used. The new levelling information was used to integrate the Anaconda gravity data into the 1997 compilation.

Between July 9 and 19, 1997 Amerok Geosciences Ltd. collected 68.7 line kilometres of magnetometer readings at a station spacing of 12.5m. The results of Anaconda's 1982 magnetometer survey were adjusted to level with the 1997 survey.

The four main gravity anomalies identified by Alan Scott in 1983 were reestablished. Several new gravity anomalies with or without coincident magnetic responses were observed.

PREVIOUS WORK

Anaconda named this area the Selwyn Project and established two cut grids, the Lone Mountain and the Francois. Between May 27 and September 15, 1982 Anaconda completed 42 line kilometres of linecutting and chaining, 40 line kilometres of total field magnetometer and horizontal loop electromagnetic surveys and 23 line kilometres of gravity and levelling surveys. A cursory study of the Anaconda maps indicated that the data was worth salvaging.

Quoting from Alan Scott's 1983 Geophysical Report "The exploration target on the Francois Grid is stratabound, sediment hosted, Ag/Pb/Zn massive sulphides. The objectives of the geophysical work were to assist geological mapping in this heavily overburden covered area by line to line correlation of geophysical responses, and the direct identification of targets for follow up trenching and/or drilling."

Profiles and plan maps of this work were located. Most of the magnetometer readings were read off a plan map and entered into a spreadsheet program. A few lines were only available as stacked sections. The gravity and elevation data was scaled from stacked sections and entered into a spreadsheet. There was no attempt to digitize the HLEM profiles.

The compilation of the Anaconda data confirmed Alan Scott's interpretation of four gravity anomalies. His designations of A, B, C and D are retained in the current interpretation. Anomalies A to C were well defined and found in an area of relatively flat topography. They were closely related to both magnetic and HLEM anomalies. Anomaly D had a higher amplitude but was less well defined and found in an area of more rugged relief.

Unfortunately, the Anaconda gravity and elevation profiles were either not levelled to each other or the necessary field notes were not located.

While MWH Geo-Surveys Ltd. was on the property several repeat readings were collected on the 1982 Anaconda grid. These repeats were used to achieve a rough levelling of the old and new data.

LOCATION AND ACCESS

The Dromedary Property is located approximately halfway between the towns of Mayo and Faro, Yukon Territory. The Francois and Lone Mountain grids are situated to the west of Dromedary Mountain.

The baseline for the Francois grid is a westward extension of the baseline for Anaconda's 1981 Ace grid.

GROUND CONTROL

All gravity stations were surveyed by MWH Geo-Surveys Ltd. for vertical position using a Sokkisha SET5 total station transit. Horizontal control was as shown on picket line sketches. X and Y coordinates (eastings and northings) were not surveyed by the gravity crew.

To translate Anaconda's Francois grid from local grid coordinates to UTM space the following steps were followed;

1. Add 6145 to the X and 0 to the Y station coordinates. This introduced a grid origin of 0,0 to a known UTM point.
2. The baseline azimuth of the Francois grid is 108° . The grid coordinates were rotated clockwise 18° .
3. The last step involved shifting the whole metric grid from the 0,0 origin to UTM Zone 8 by adding 508035mE to X and 6975000mN to Y.

The most straightforward method of locating the Lone Mountain grid was to tie it to the Francois Grid.

1. Field notes for the Lone Mountain grid record tieline 2000S as baseline 0. All stations were measured north and south of this line. The 0+00 station must be shifted to 2175.0S by subtracting 2175. Line 2000E must be shifted to 8465.0W by subtracting 10465.
2. After the coordinate shift is applied the same three steps used to translate the Francois grid into UTM Zone 8 were followed.

The following notes were supplied by Amerok Geosciences Ltd.:

The 1982 Anaconda ground magnetic survey used a reference datum of 58,000 gammas while the 1997 reference datum was set at 57,000 gammas. The 1982 results were adjusted to this year's survey.

Discrepancies in the chaining of the grid necessitated the following adjustments to the line numbering:

L6200W north of the baseline renumbered as L6300W
L6300W north of the baseline renumbered as L6400W
L6400W north of the baseline renumbered as L6500W
L6400W south of the baseline renumbered as L6350W
L6500W north of the baseline renumbered as L6550W
L6600W north of the baseline renumbered as L6650W
L6600W south of the baseline renumbered as L6650W

DATA REDUCTION

Magnetometer Surveys

In 1982 Anaconda used an EDA ppm 300 magnetometer, in conjunction with an EDA ppm 400 base station recording magnetometer. Readings were taken at 25m intervals with some 12.5m in-fill readings taken in areas of steep magnetic field gradients. The data was levelled to a datum of 58,000 gammas and corrected for diurnal variation. These EDA magnetometers represent the first generation of memory magnetometers. They were rugged and reliable instruments and produced good quality data.

In 1997 Amerok Geosciences conducted a one person Mag/VLF survey using EDA Omni plus field and base station magnetometers with an optional VLF receiver. These instruments represent the ultimate advance of EDA's magnetometer line. Shortly after these magnetometers appeared on the market EDA was absorbed by Scintrex Ltd. The data was downloaded to a laptop computer for final processing and plotting.

Despite the number of repeat readings it was not possible to successfully level certain parts of the magnetic compilation. The old readings were referenced to the new. These "herring bone" patterns and abrupt terminations of contours are most apparent on the coloured contour map.

VLF Survey

In 1997 Amerok Geosciences was asked to collect VLF test data on at least two lines (4100W and 4300W). The equipment was tested and was found to be in sound working order. After concluding that signal strengths were too weak to generate useful data this survey technique was abandoned.

Gravity Surveys

A Lacoste & Romberg gravimeter was used by Anaconda in 1982 along with a Topcon Guppy EDM to collect relative station elevations. The raw gravity was corrected for tidal and meter drifts and Bouguer gravity values were calculated for specific densities of 2.0, 2.2, 2.4, 2.6 and 2.8 g/cc. Despite the generally low relief inner terrain corrections were applied to all the plotted values. All terrain corrections were made using an average terrain density of 2.0 g/cc.

MWH Geo-Surveys also used a Lacoste & Romberg gravimeter (#371). The core of the Lacoste & Romberg has remained relatively unchanged for decades. All of the gravity readings were collected on closed loops to allow the operator to correct for instrument drift. All grid loops were tied to a base established at the Equity Engineering camp. The camp base was assigned a value and all subsequent survey loops were tied to this base.

The gravimeter readings were converted to milligals, using the appropriate meter variables and corrected for instrument height, earth tides, drift between base ties and adjusted to the base value. These calculations combine to produce the Observed Gravity. The formula used for the Bouguer Gravity corrections is;

$$Gb = Gobs + tc - Gl + (0.3086 * h) - (0.04192 * h) * d$$

where: G_b = Bouguer Gravity t_c = Terrain correction
 G_{obs} = Observed Gravity h = Station elevation
 G_l = Latitude correction d = specific density

Bouguer gravity data was calculated using densities of 2.3, 2.5 and 2.67 g/cc. Repeat stations totaled 104 with an average repeatability of 0.015 milligals.

INTERPRETATION

A total of 20 anomalous areas were identified. They are drawn on the accompanying interpretation map (Map 1) lettered A through T.

As previously mentioned Targets A through D are essentially the same as those identified by Alan Scott for Anaconda in 1983. The additional gravity data collected in the vicinity of Target D have reduced the odds that it is an artifact of more rugged topography.

Magnetic Interpretation

The merged and leveled ground magnetometer surveys from Anaconda (1982) and Amerok Geosciences (1997) are presented as a colour contoured plan (Map 2). The Francois and Lone Mountain grids are plotted. The data quality is far superior for the Francois grid.

The most striking feature is the sharp east-west gradient that slices through the middle of the grid. This is interpreted as the edge of a thrust contact. Equity Engineering's "1996 Exploration Program on the Dromedary Property" report describes the property geology as being dominated by Devono-Mississippian Earn Group sediments and Cambro-Ordovician Kechika group sediments that arranged in thrust panels, which result in repetitions of the stratigraphic sequence. The Dromedary Creek and the Francois grid areas consist of at least two thrust panels of Earn Group chert, argillite and limestone. These have been over thrust by limestone, siltstone and phyllite of the Kechika Group.

The magnetic map shows a pronounced regional magnetic high that stretches from line 8700.0W, 1200.0S to line 2900.0W, 200.0S. Within this trend there are four well defined magnetic anomalies with peak amplitudes in excess of 1000 gammas. The high and variable susceptibility indicates that the cause may be skarn units. The area south of the thrust contact with the intense magnetic variation correlates with the Kechika Group. The magnetically quiet area north of the thrust contact represents the over thrust Earn Group. The steep gradient to the north and the shallow gradient to the south imply a shallow dip to the south for these rocks. Figure 1 illustrates the change in magnetic profile shapes over a tabular magnetic body plotted for dips from 0 through 180 degrees.

A second, less pronounced thrust contact can be traced across the northeast corner of the Francois grid stretching from line 4700.0W, 800.0N to line 3200W, 1200.0N. The high susceptibility of this area indicates the presence of Kechika group rocks.

Gravity Interpretation

Anomalies A to C

These three anomalies all lie immediately to the south of the pronounced regional break in the magnetic survey. This would place them in the Kechika Group. The gravity anomalies are essentially coincident with strong magnetic highs that have amplitudes of several hundred gammas. The gravity anomalies are not as continuous as the magnetic feature but may represent the same stratigraphic horizon. The discontinuities may be caused by locally thicker pockets of overburden or by less obvious north-south trending structural breaks. The anomalies are quite distinct and occur in relatively flat ground. Topographic influences should therefore be minimal. Anomaly amplitudes rarely exceed $\frac{1}{2}$ a milligal.

Anomaly A has had one hole (DDH 90-01) drilled to its south on line 6200.0W but is otherwise untested over its 800 metre strike length. This hole intersected Au-bearing, massive pyrrhotite, equivalent to the lower zone mineralization seen in holes FRN 96-02, and 04. The east end of Anomaly B was tested by two holes (DDH 90-02 & FRN 96-01) but is also largely untested over its 800 metre strike length.

Three holes (FRN's 96-02, 96-03 and 96-4) were drilled near Anomaly C. Hole 96-04 should have caught the southern edge of the coincident gravity and magnetic high. The other two holes may have been collared too far south to adequately test the target. Even so, holes FRN 96-02, and 04 intersected two massive sulphide zones. "The metal suite of the upper zone is similar to other Earn Group deposits, containing economic Pb-Zn-Ag grades with anomalous Hg and As, while the lower zone contains lower Pb and Zn grades, but higher Au grades."¹ Anomaly C has a length of 500 to 600 metres.

Numerical modelling of a 10 million tonne tabular orebody (Fig. 2) illustrates how the shape of a gravity profile will change as the dip progresses from horizontal to vertical. The mirror images of the 30 to 60 degree profile shapes are similar to the actual field surveyed profiles for Anomalies A,B and C. Figures 3 and 4 illustrate how anomaly amplitudes and widths change with increasing depths. A thin tabular body of 5 million tonnes will respond as shown in figure 3. Note that at a depth of 50m the anomaly amplitude is $\frac{1}{2}$ a milligal, roughly the same as we observe over Anomalies A,B and C. If the mineralization is more compact, as shown by the cube in figure 4, the amplitude of the gravity high will be more than double but the width will remain roughly the same.

Geological mapping notes four known types of mineralization on the property: syngenetic massive sulphides, bedded barite, skarn and quartz veining (Hall, 1983). The massive sulphides and bedded barite both have high enough specific densities to produce gravity highs.

¹ Caulfield and Weber, 1997

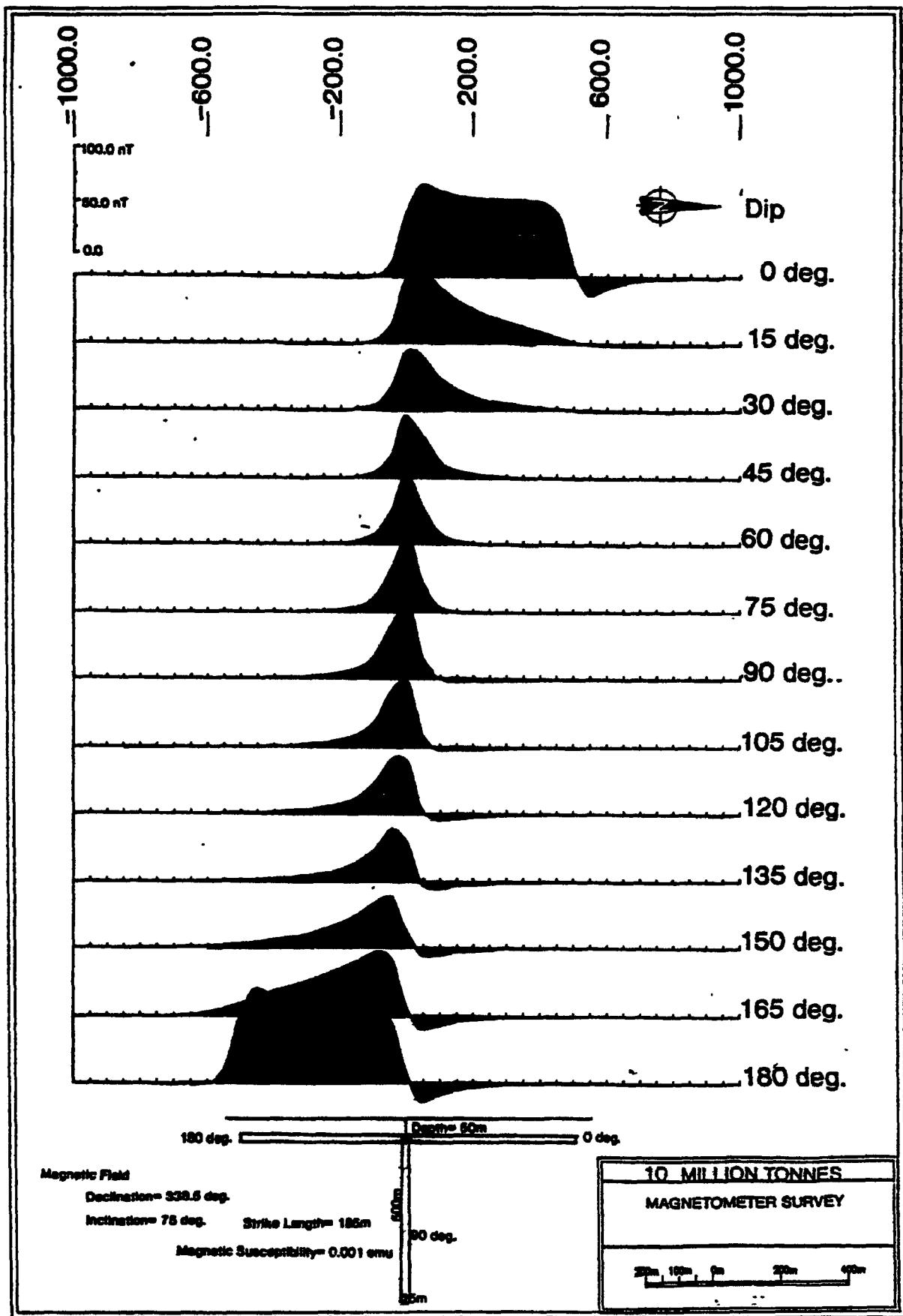


Figure 1

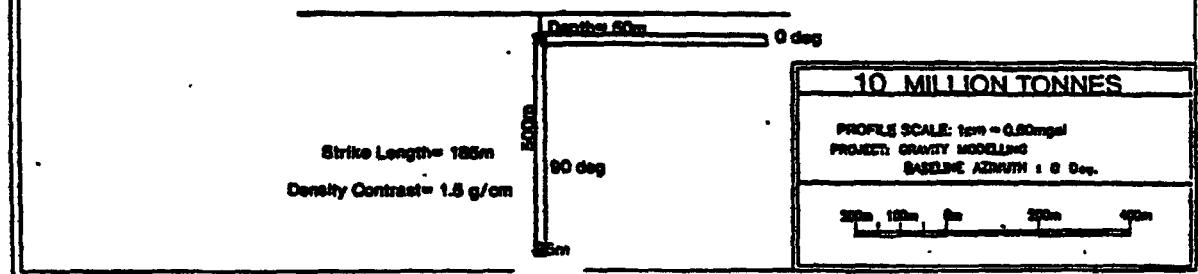
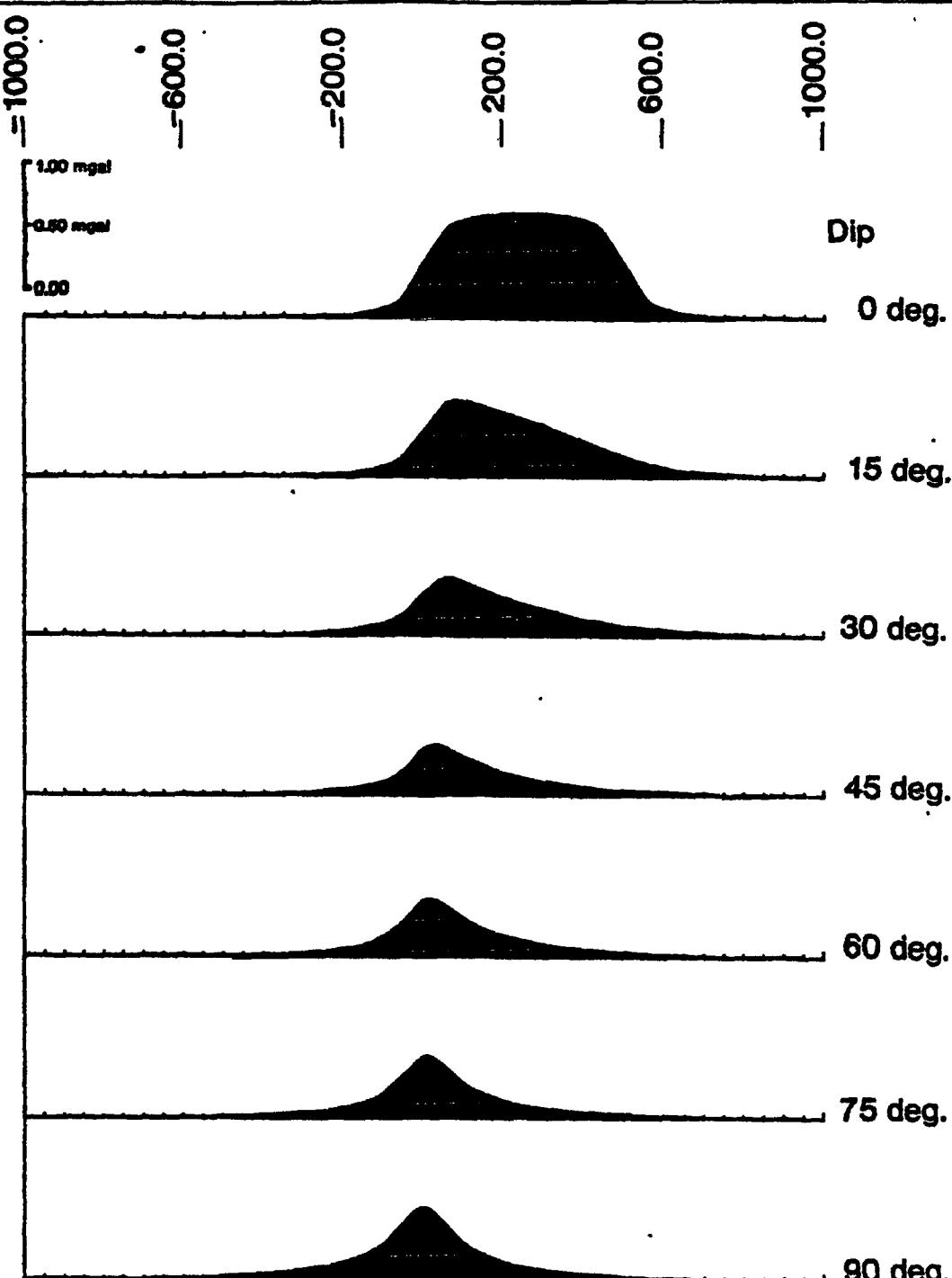


Figure 2

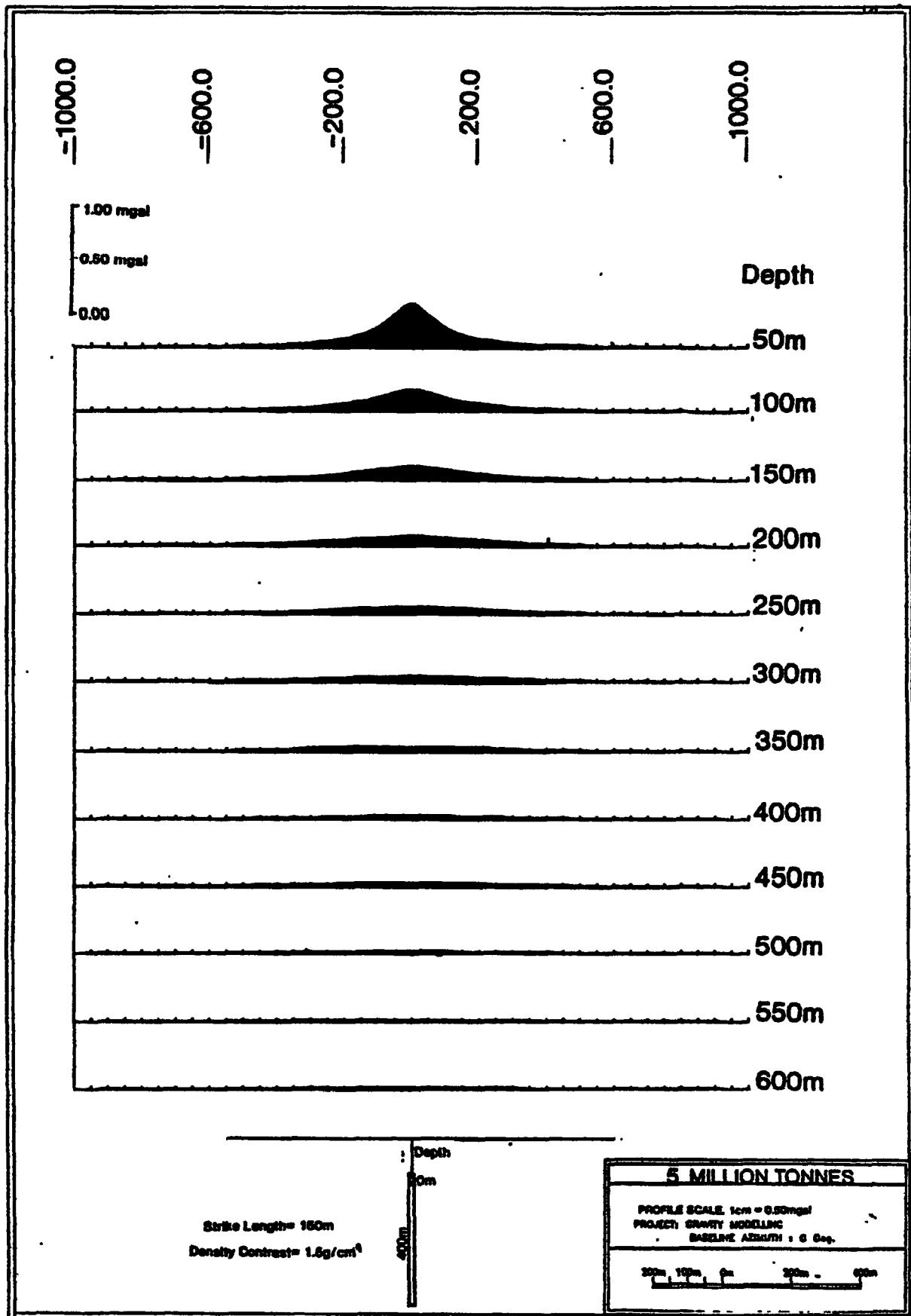


Figure 3

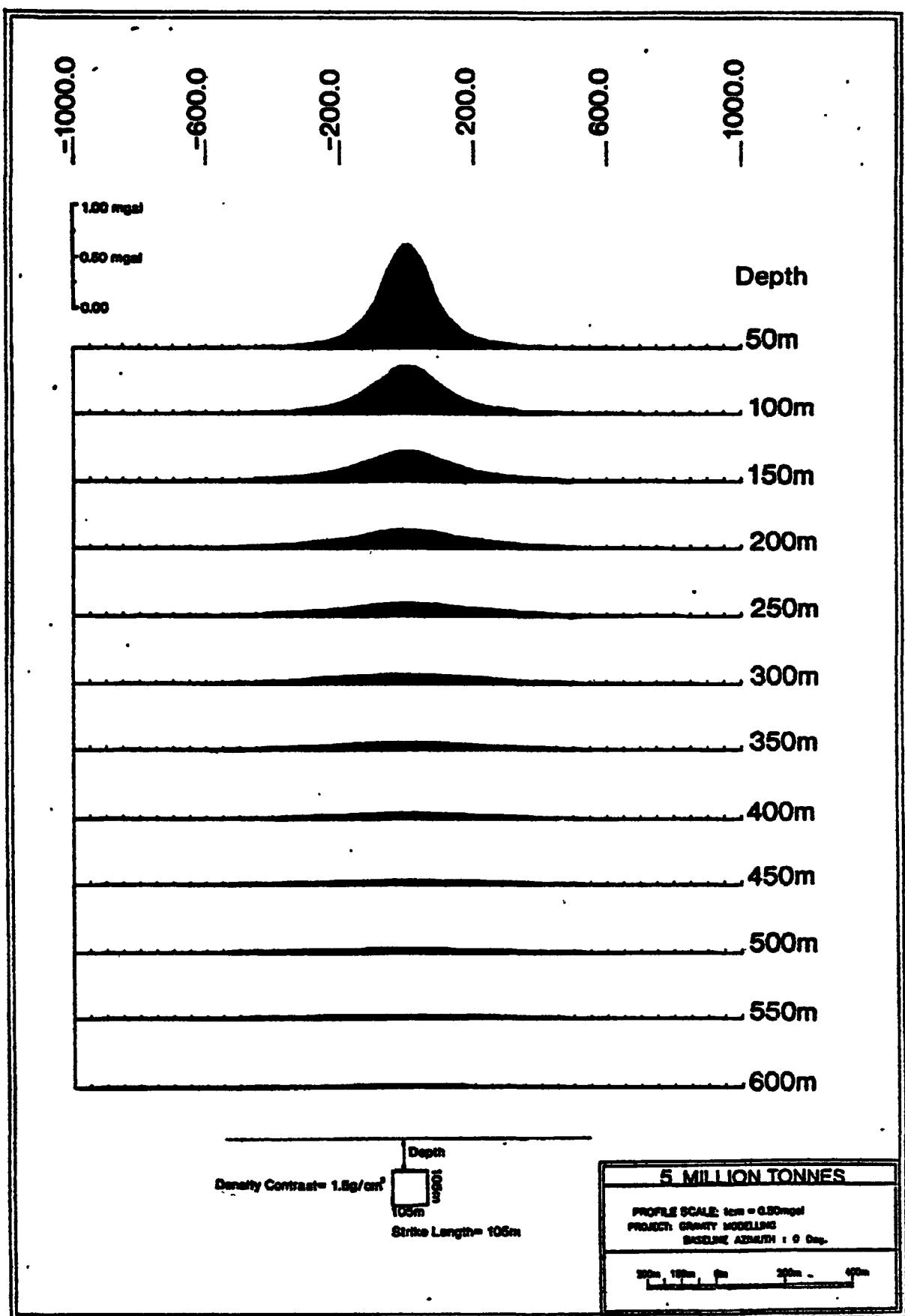


Figure 4

Anomaly D

In 1983 Alan Scott described Anomaly D as "of higher amplitude than the others, but is somewhat less well defined as it is in an area of more rugged relief. Anomaly D has a strong, flanking HLEM response to both the north and south." The 1997 work shows that in addition to the flanking EM Anomaly D has a coincident magnetic signature of approximately 400 gammas. The local terrain is more rugged however the coincident gravity and magnetic highs lend credibility to this target. It cannot be dismissed as a topographic artifact. The gravity profiles show a maximum amplitude of approximately $\frac{1}{2}$ milligal. The source appears to dip towards the south and has a strike length of 400m.

Anomalies E to L

These anomalies are rated as secondary targets. They were generally selected on the strength of a gravity high with a coincident or flanking magnetic expression. They all lie in the area interpreted as the northeast thrust sheet. They were not identified during the 1982 Anaconda work program. There is a strong likelihood that anomalies E,F,G constitute a single horizon and that anomalies H,I,J a second. These are not strong or broad anomalies, their amplitudes range between $\frac{1}{4}$ and $\frac{1}{2}$ milligal.

Anomalies M to Q

These five targets lie within the area interpreted as Earn Group sediments. Targets N,O and P have small, weak, coincident magnetic responses. The gravity anomalies are generally less than $\frac{1}{4}$ of a milligal.

Anomalies R, S and T

All three of these anomalies lie at the edge of the main thrust contact or south of it. Anomalies R and S do not exhibit any coincident or flanking magnetic highs. Anomaly R is a weak gravity high that was selected because of its proximity to the primary anomaly A. Unfortunately, anomaly S lies at the end of the grid lines and is open to the south. It appears to have an amplitude of close to $\frac{1}{2}$ a milligal and therefore should not be overlooked. Anomaly T lies on the thrust contact. Although it is weak its proximity to primary target C lends it more credibility.

DISCUSSION AND RECOMMENDATIONS

The 1997 gravity and magnetic surveys have confirmed the validity of the 1982 Anaconda surveys. They have refined the four targets (A,B,C & D), interpreted by Alan Scott in 1983, and removed much of the doubt he expressed about anomaly D. Sixteen additional targets (E to T) have been added to the interpretation. Anomalies A to D remain the first priority targets. Anomalies E to L warrant second priority, followed by anomalies R, S and T. Lowest priority should be assigned to anomalies M to Q. The

magnetic survey has accurately located the edge of a major thrust contact. Three of the first priority geophysical targets all lie within 300 metres of this contact. These targets were identified as gravity highs. The magnetic survey indicates that this horizon is essentially continuous over the length of the Francois Grid (Line 8700.0W to 2900.0W), close to six kilometres. We know very little about variations in overburden thickness in this area. It is conceivable that areas of thicker, lower density, overburden are masking gravity highs caused by sulphides. If drilling locates substantial sulphides associated with Targets A, B and C the whole length of the contact edge should be closely scrutinized.

Respectfully submitted,
VOX Image Limited

Ken Robertson, P. Geo.

Delta, British Columbia
January, 1998

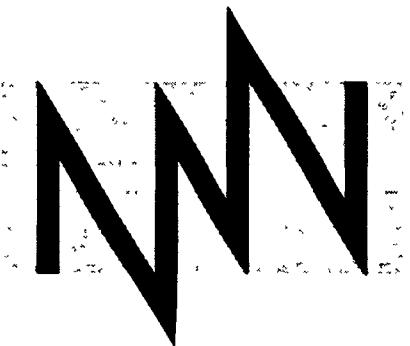
GEOSCIENTIST'S CERTIFICATE

I, Kenneth A. Robertson of 7540 Garfield Drive, Delta, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Consulting Geoscientist with offices at 7540 Garfield Drive, Delta, British Columbia, V4C 7L4
2. THAT I am a graduate of the University of Toronto with a Bachelor of Science Degree in Geology and Physics.
3. THAT I am a Professional Geoscientist registered in good standing with the Association of Professional Engineers and Geoscientists of the Province of British Columbia
4. THAT this interpretation report is based on geophysical surveys conducted by MWH Geo-Surveys Ltd. and Amerok Geosciences Ltd. under the supervision of Equity Engineering in the summer of 1997.

DATED at Delta, British Columbia, this ___ day of January, 1998.

Kenneth A. Robertson, P.Geo.



**MWH
Geo-Surveys
Ltd.**

**Logistical Summary
Gravity Survey at Dromedary Mountain, Yukon**

for Equity Engineering Ltd.

**MWH Geo-Surveys Ltd.
June - July, 1997**

OVERVIEW:

From June 28 to July 21, 1997, MWH Geo-Surveys Ltd. carried out a gravity survey at Dromedary Mountain, Yukon at the request of Equity Engineering Ltd. The location of the survey was at approximately 62° 54' N, 128° 48' W. All gravity stations were surveyed for vertical position by a total station transit.

PROJECT SCHEDULE:

The following is the project timeline.

Mobilization of gravity & survey crews	June 28
Start of Production	June 29
Completion of postional survey	July 11
Demobilization of survey crew	July 11, 12
Completion of gravity survey	July 19
Demobilization of gravity crew	July 20, 21

A total of 1253 unique gravity stations and 104 repeats were occupied during 21 production days.

FIELD OPERATIONS:***Survey Personnel:***

The personnel involved on this project were:

Dan Pickett	Surveyor / Party Manager
Troy Gortat	Gravity Surveyor

Instrumentation:

Lacoste & Romberg gravity meter # 371 was utilized for the gravity measurements. In addition to the gravity instrumentation, the following survey, computer, radio and transportation equipment was used over the course of the project.

Survey equipment:

Sokkisha SET5 total station transit

Computers:

1 portable computer

Communication equipment:

3 VHF radios

Field Procedures, Gravity:

Station to station access was on foot. All gravity readings were taken within closed loops to allow for correction of instrument drift. All loops were tied to a base established at the Equity Engineering camp. The base value used at the camp base was assigned a value and all day loops were tied to this base.

The Lacoste & Romberg meters' sensitivity was set prior to the commencement of the survey and checked regularly as the survey progressed. All gravity readings were taken to the 1/100th of a milligal.

A total of 8 percent of the gravity stations were repeated as a data check.

Field Procedures; Surveying: All gravity stations were surveyed for vertical positions by a Sokkisha SET5 total station transit. The 0+000N baseline had previously been surveyed by Underhill Engineering and all the cross lines were tied into the baseline. The vertical and horizontal reference points were therefore derived from the Underhill survey.

DATA REDUCTION and INTEGRITY:

Gravity:

The gravity readings were converted to milligals using the appropriate meter variables and corrected for: the meter tripod height, earth tides, drift between base ties and adjusted to the base value. The results from these calculations are listed as Observed Gravity.

The Observed Gravity values were corrected to Bouguer Gravity using the following formula:

$$Gb = Gobs + tc - Gl + (.3086*h) - (.04192*h) * d$$

where:

Gb = Bouguer Gravity

Gobs = Observed Gravity

Gl = Latitude correction

tc = Terrain correction

h = Station elevation

d = density

The latitude correction was calculated as:

$$gl=g_0(1+a\sin^2\phi-\beta\sin^22\phi)$$

where:

$$\phi = \text{latitude}$$

$$g_0 = 978032.68$$

$$a = .0053024$$

$$\beta = .0000058$$

Bouguer gravity data was calculated using densities of 2.3, 2.5 and 2.67 gm/cc. A total of 104 field stations were repeated throughout the course the surveys, the average repeat difference was .015 milligals. A data listing is included as Appendix I.

SUMMARY:

There were no technical or logistical problems during the course of this survey. The high accuracy of the gravity measurements and positional co-ordinates will yield a reliable data set from which exploration decisions may be based.

Appendix I
Gravity Data Listing

Gravity Survey at Dromedary Mt., Yukon

by
MWI Geo-Surveys Ltd
for:
Equity Engineering

Boug density #1: 2.30 unique stations: 1253
 Boug density #2: 2.50 repeats: 104
 Boug density #3: 2.67 avg repeatability 0.015
 UTM Zone: 9 Datum shift: 0

Line	Station	Date	Time	Reading	H.L.	Tide	Terr	G Observed	Lat Corr	Northing	Easting	Latitude N	Longitude W	Sec	Deg Min	Sec	Deg Min	Sec	Bog#D1	Bog#D2	Bog#D3
-3300 W	50	tg97183	6.36	5284.90	0.48	-0.018	0.01	982,124.96	982138.65	6974173	510759	727 67	62 53	57 01	128 47	17 59	140 76	134 66	129 48		
-3300 W	100	tg97183	8.42	5285.13	0.50	-0.015	0.01	982,125.22	982138.68	6974221	510775	728 74	62 53	58 54	128 47	16 56	140 75	134 66	129 48		
-3300 W	125	tg97183	8.48	5285.31	0.56	-0.012	0.13	982,125.43	982138.70	6974245	510783	725 80	62 53	59 31	128 47	16 30	140 88	134 81	129 65		
-3300 W	150	tg97183	9.08	5285.49	0.60	-0.004	0.08	982,125.64	982138.71	6974268	510791	725 24	62 54	0.07	128 47	15 73	140 88	134 80	129 64		
-3300 W	175	tg97183	9.15	5284.98	0.62	-0.001	0.04	982,125.11	982138.73	6974292	510798	727 82	62 54	0.83	128 47	15 17	140 82	134.72	129 54		
-3300 W	200	tg97183	9.21	5284.48	0.75	0.002	0.27	982,124.60	982138.74	6974316	510806	730 53	62 54	1.60	128 47	14 60	141.18	135 08	129 90		
-3300 W	225	tg97183	9.30	5282.68	0.71	0.006	0.24	982,122.73	982138.76	6974340	510814	740 11	62 54	2.36	128 47	14 04	141.28	135 10	129 85		
-3300 W	250	tg97183	9.38	5282.32	0.65	0.009	0.19	982,122.33	982138.78	6974363	510822	742 56	62 54	3.13	128 47	13 47	141 33	135.13	129 85		
-3300 W	275	tg97183	9.48	5281.57	0.51	0.012	0.17	982,121.50	982138.79	6974387	510830	748 30	62 54	3.90	128 47	12 91	141.26	135 02	129 72		
-3300 W	300	tg97183	9.55	5281.37	0.38	0.013	0.39	982,121.25	982138.81	6974411	510838	747 20	62 54	4.66	128 47	12 34	141 43	135 21	129 82		
-3300 W	325	tg97183	10.02	5282.72	0.55	0.018	0.47	982,122.73	982138.82	6974434	510846	739 20	62 54	5.43	128 47	11 78	141 29	135 14	129 91		
-3300 W	350	tg97183	10.10	5284.40	0.35	0.021	0.61	982,124.44	982138.84	6974458	510854	729 71	62 54	6.19	128 47	11 22	141 13	135 08	129 93		
-3300 W	375	tg97183	10.20	5285.46	0.48	0.021	0.28	982,125.58	982138.85	6974482	510862	724 99	62 54	6.96	128 47	10 65	140 90	134 85	129 70		
-3300 W	400	tg97183	10.35	5285.84	0.55	0.030	0.18	982,126.02	982138.87	6974506	510869	723 15	62 54	7.72	128 47	10 09	140 80	134 75	129 82		
-3300 W	425	tg97183	10.46	5288.11	0.50	0.033	0.24	982,126.29	982138.89	6974528	510877	721 85	62 54	8.49	128 47	9 52	140 81	134 78	129 86		
-3300 W	450	tg97183	10.53	5288.55	0.45	0.034	0.36	982,126.74	982138.90	6974553	510885	718 85	62 54	9.26	128 47	8 95	140 78	134 79	129 70		
-3300 W	475	tg97183	11.01	5287.54	0.51	0.038	0.35	982,127.80	982138.92	6974577	510893	712 49	62 54	10.03	128 47	8 39	140 47	134 53	129 48		
-3300 W	500	tg97183	11.09	5287.49	0.44	0.039	0.40	982,127.73	982138.93	6974600	510901	714 01	62 54	10.79	128 47	7 82	140 78	134 81	129 78		
-3300 W	525	tg97183	11.20	5288.65	0.38	0.039	0.16	982,129.14	982138.95	6974624	510909	708 78	62 54	11.56	128 47	7.28	140 34	134 43	129 41		
-3300 W	550	tg97183	11.28	5288.99	0.50	0.043	0.08	982,129.33	982138.96	6974648	510917	705 28	62 54	12.32	128 47	6 69	140 08	134 18	129 16		
-3300 W	575	tg97183	11.37	5288.84	0.55	0.044	0.03	982,129.19	982138.98	6974672	510925	708 04	62 54	13.09	128 47	6 13	140 05	134 14	129 11		
-3300 W	600	tg97183	11.45	5288.88	0.48	0.046	0.03	982,128.19	982138.99	6974695	510933	708 39	62 54	13.85	128 47	5 56	140 11	134 19	129 16		
-3300 W	625	tg97183	12.08	5288.84	0.48	0.048	0.00	982,129.17	982139.01	6974719	510941	708 84	62 54	14.62	128 47	5 00	140 14	134 21	129 18		
-3300 W	650	tg97183	12.16	5288.73	0.50	0.048	0.00	982,129.06	982139.03	6974743	510948	707 47	62 54	15.38	128 47	4 44	140 15	134 22	129 17		
-3300 W	675	tg97183	12.24	5288.63	0.48	0.048	0.01	982,129.16	982139.04	6974766	510956	707 89	62 54	16.15	128 47	3 67	140 33	134 40	129 35		
-3300 W	700	tg97183	12.30	5288.16	0.68	0.049	0.13	982,128.51	982139.06	6974790	510964	711 41	62 54	16.92	128 47	3.31	140 55	134 60	129 54		
-3300 W	725	tg97183	12.38	5288.25	0.57	0.049	0.15	982,128.58	982139.07	6974814	510972	711 61	62 54	17.68	128 47	2.74	140 87	134 72	129 66		
-3300 W	750	tg97183	12.47	5288.04	0.59	0.048	0.25	982,128.36	982139.09	6974838	510980	713 38	62 54	18.45	128 47	2.18	140.93	134.97	129.91		
-3300 W	775	tg97183	12.54	5287.49	0.64	0.048	0.20	982,127.80	982139.10	6974861	510988	716 38	62 54	19.21	128 47	1.61	140.93	134.94	129.85		
-3300 W	800	tg97183	13.03	5287.52	0.51	0.047	0.30	982,127.79	982139.12	6974885	510996	716 48	62 54	19.98	128 47	1.05	141.03	135 06	129 98		
-3300 W	825	tg97183	13.11	5288.53	0.58	0.047	0.20	982,128.87	982139.14	6974909	511004	711 35	62 54	20.74	128 47	0.48	140.80	134 96	129 91		
-3300 W	850	tg97183	13.18	5289.53	0.55	0.045	0.07	982,129.91	982139.15	6974933	511012	708 16	62 54	21.51	128 48	59.92	140.68	134 76	129 74		
-3300 W	875	tg97183	13.25	5289.53	0.53	0.045	0.02	982,129.91	982139.17	6974956	511019	705 71	62 54	22.28	128 48	59.38	140.50	134 59	129 56		
-3300 W	900	tg97183	13.34	5289.56	0.59	0.043	0.00	982,129.95	982139.18	6974980	511027	708 03	62 54	23.04	128 48	58.79	140.58	134.66	129 63		
-3300 W	925	tg97183	13.40	5289.47	0.51	0.042	0.00	982,129.83	982139.20	6975004	511035	706 93	62 54	23.81	128 48	58.23	140.63	134 71	129 67		
-3300 W	950	tg97183	13.46	5289.38	0.50	0.041	0.00	982,129.73	982139.21	6975027	511043	707 40	62 54	24.57	128 48	57.68	140.62	134 69	129 65		
-3300 W	975	tg97183	13.52	5289.24	0.52	0.040	0.14	982,129.59	982139.23	6975051	511051	707 82	62 54	25.34	128 48	57.10	140.71	134 79	129 76		
-3300 W	1000	tg97183	13.57	5289.60	0.55	0.040	0.39	982,130.19	982139.25	6975075	511059	704 44	62 54	26.10	128 48	56.53	140.86	135 00	130 01		
-3500 W	-1000	tg97181	11.10	5278.68	0.37	0.026	0.94	982,118.33	982138.04	6973240	510238	759 65	62 53	26.91	128 47	55.11	142.56	136 28	130.85		
-3500 W	-975	tg97181	11.21	5279.91	0.34	0.026	0.79	982,119.63	982138.05	6973264	510248	753 13	62 53	27.68	128 47	54.55	142.28	136 08	130 76		
-3500 W	-950	tg97181	11.31	5281.08	0.53	0.026	0.60	982,120.92	982138.07	6973288	510254	748 25	62 53	28.44	128 47	53.98	141.89	135.69	130 42		
-3500 W	-925	tg97181	11.43	5281.34	0.58	0.025	0.59	982,121.20	982138.08	6973311	510261	744 49	62 53	29.21	128 47	53.42	141.77	135.58	130 33		
-3500 W	-900	tg97181	11.54	5281.16	0.60	0.025	0.57	982,121.03	982138.10	6973335	510269	745 25	62 53	29.98	128 47	52.86	141.71	135.52	130.26		
-3500 W	-875	tg97181	12.04	5279.82	0.45	0.024	0.70	982,119.57	982138.11	6973359	510277	752 59	62 53	30.74	128 47	52.29	141.95	135 71	130 40		
-3500 W	-850	tg97181	12.13	5279.33	0.39	0.023	0.60	982,119.03	982138.13	6973383	510285	755 23	62 53	31.51	128 47	51.73	141.84	135.57	130 24		
-3500 W	-825	tg97181	12.22	5279.07	0.57	0.022	0.58	982,118.81	982138.14	6973406	510283	756 37	62 53	32.27	128 47	51.16	141.83	135.54	130 20		
-3500 W	-800	tg97181	12.34	5279.64	0.31	0.019	0.67	982,119.33	982138.16	6973430	510301	753 31	62 53	33.04	128 47	50.60	141.78	135.53	130 22		
-3500 W	-775	tg97181	12.48	5280.09	0.35	0.017	0.81	982,119.81	982138.18	6973454	510309	750 56	62 53	33.80	128 47	50.04	141.83	135.61	130 33		
-3500 W	-750	tg97181	12.58	5280.41	0.50	0.016	0.98	982,120.19	982138.19	6973477	51										

-3500 W	-700	tg97181	13.31	5282.50	0.32	0.007	1.34	982,122.33	982138.22	6973525	510332	733 71	62 53	38.10	128 47	48 34	141 33	135 31	130.19
-3500 W	-675	tg97181	13.43	5284.81	0.31	0.003	1.20	982,124.75	982138.24	6973549	510340	720 47	62 53	38.87	128 47	47 78	140 76	134 84	128 81
-3500 W	-650	tg97181	13.53	5286.49	0.50	0.001	0.84	982,126.57	982138.25	6973572	510348	711 21	62 53	37.03	128 47	47 21	140.19	134 31	128 31
-3500 W	-625	tg97181	14.04	5287.76	0.20	-0.003	0.61	982,127.81	982138.27	6973596	510356	705 11	62 53	38.40	128 47	48 65	139.85	134 00	128 03
-3500 W	-600	tg97181	14.12	5288.15	0.58	-0.006	0.33	982,128.33	982138.29	6973620	510364	703 72	62 53	39.18	128 47	48 09	139.74	133 88	128 89
-3500 W	-575	tg97181	14.20	5288.33	0.38	-0.008	0.33	982,128.46	982138.30	6973644	510372	704 04	62 53	39.93	128 47	45 52	139 92	134 05	128 06
-3500 W	-550	tg97181	14.29	5288.45	0.58	-0.011	0.02	982,128.64	982138.32	6973667	510380	704 39	62 53	40.89	128 47	44 98	139 80	133 80	128 88
-3500 W	-525	tg97181	14.38	5288.38	0.51	-0.013	0.03	982,128.54	982138.33	6973691	510388	705 68	62 53	41.48	128 47	44 39	140 02	134 11	128 08
-3500 W	-500	tg97181	14.41	5288.39	0.57	-0.015	0.02	982,128.57	982138.35	6973715	510396	706 76	62 53	42.23	128 47	43.83	140 21	134 29	128 25
-3500 W	-475	tg97181	14.45	5288.38	0.58	-0.017	0.01	982,128.56	982138.36	6973738	510403	707 38	62 53	42.89	128 47	43 27	140 30	134 37	128 33
-3500 W	-450	tg97181	14.50	5288.32	0.47	-0.018	0.01	982,128.46	982138.38	6973762	510411	708 49	62 53	43.78	128 47	42.70	140 43	134 49	128 44
-3500 W	-425	tg97181	14.56	5288.25	0.54	-0.018	0.02	982,128.41	982138.40	6973788	510419	709 43	62 53	44.52	128 47	42.14	140 57	134 62	128 57
-3500 W	-400	tg97181	15.01	5287.88	0.53	-0.021	0.02	982,128.02	982138.41	6973810	510427	711 72	62 53	45.29	128 47	41 57	140 64	134 68	128 61
-3500 W	-375	tg97181	15.06	5287.78	0.57	-0.023	0.03	982,127.90	982138.43	6973833	510435	712.69	62 53	46.05	128 47	41 01	140 73	134 76	128 68
-3500 W	-350	tg97181	15.11	5287.60	0.59	-0.024	0.03	982,127.74	982138.44	6973857	510443	713.69	62 53	46.82	128 47	40.44	140 76	134 78	129 70
-3500 W	-325	tg97181	15.19	5287.70	0.43	-0.028	0.00	982,127.79	982138.46	6973881	510451	713.29	62 53	47.59	128 47	39.88	140 68	134 70	128 62
-3500 W	-300	tg97181	15.24	5287.60	0.50	-0.029	0.02	982,127.70	982138.47	6973904	510459	714 09	62 53	48.35	128 47	39.32	140 77	134 79	129 70
-3500 W	-275	tg97181	15.29	5287.10	0.56	-0.031	0.00	982,127.19	982138.49	6973928	510467	716 99	62 53	49.12	128 47	38.75	140 84	134 83	128 72
-3500 W	-250	tg97181	15.35	5287.28	0.55	-0.033	0.00	982,127.39	982138.50	6973952	510475	716 60	62 53	49.88	128 47	38 19	140 94	134 93	128 62
-3500 W	-225	tg97181	15.44	5287.24	0.55	-0.036	0.02	982,127.33	982138.52	6973976	510482	716 92	62 53	50.65	128 47	37.82	140 95	134 95	128 64
-3500 W	-200	tg97181	15.50	5287.28	0.40	-0.038	0.03	982,127.31	982138.54	6973999	510490	716 69	62 53	51.41	128 47	37.08	140 92	134 91	128 60
-3500 W	-175	tg97181	15.55	5286.87	0.62	-0.038	0.00	982,126.96	982138.55	6974023	510498	718 55	62 53	52.18	128 47	38.49	140 88	134 85	128 73
-3500 W	-150	tg97181	16.02	5287.03	0.55	-0.042	0.00	982,127.11	982138.57	6974047	510506	718 32	62 53	52.94	128 47	35.93	140 95	134 93	128 61
-3500 W	-125	tg97181	16.09	5286.94	0.63	-0.044	0.02	982,127.03	982138.58	6974071	510514	719 10	62 53	53.71	128 47	35.37	141 05	135 03	129 60
-3500 W	-100	tg97181	16.16	5287.33	0.59	-0.046	0.03	982,127.43	982138.60	6974094	510522	717 43	62 53	54.48	128 47	34.80	141 09	135 08	129 67
-3500 W	-100	tg97181	17.11	5287.36	0.60	-0.054	0.03	982,127.45	982138.60	6974094	510522	717 43	62 53	54.48	128 47	34.80	141 12	135 10	129 69
-3500 W	-75	tg97181	16.23	5287.79	0.61	-0.048	0.03	982,127.92	982138.61	6974118	510530	715 42	62 53	55.24	128 47	34.24	141 14	135 14	130 05
-3500 W	-75	tg97181	17.03	5287.82	0.53	-0.052	0.03	982,127.92	982138.61	6974118	510530	715 42	62 53	55.24	128 47	34.24	141 14	135.14	130 05
-3500 W	-50	tg97181	16.29	5287.84	0.40	-0.050	0.03	982,128.01	982138.63	6974142	510538	714 81	62 53	56.01	128 47	33.87	141 08	135 09	130 00
-3500 W	-50	tg97181	16.57	5287.93	0.54	-0.055	0.03	982,128.03	982138.63	6974142	510538	714 81	62 53	56.01	128 47	33.87	141 11	135 12	130 03
-3500 W	-25	tg97181	16.51	5288.12	0.47	-0.055	0.00	982,128.21	982138.65	6974165	510546	713 99	62 53	56.77	128 47	33.11	141 06	135 08	129 69
-3500 W	-25	tg97181	16.37	5288.12	0.49	-0.052	0.00	982,128.22	982138.65	6974165	510548	713 99	62 53	56.77	128 47	33.11	141 07	135 09	130 00
-3500 W	0	tg97181	16.44	5288.07	0.60	-0.054	0.00	982,128.20	982138.66	6974189	510553	714 12	62 53	57.54	128 47	32.54	141 06	135 08	129 69
-3600 W	-1000	tg97180	9.39	5288.87	0.42	0.004	0.71	982,126.95	982138.06	6973271	510145	717 28	62 53	27.92	128 48	1.67	141 91	135 96	130 91
-3600 W	-975	tg97180	9.52	5287.08	0.44	0.005	0.68	982,127.18	982138.07	6973285	510153	716 28	62 53	28.69	128 48	1.11	141 85	135 91	130 88
-3600 W	-975	tg97181	10.25	5287.06	0.48	0.023	0.68	982,127.19	982138.07	6973285	510153	716 28	62 53	28.69	128 48	1.11	141 86	135 92	130 87
-3600 W	-950	tg97180	10.05	5287.13	0.56	0.007	0.40	982,127.27	982138.09	6973319	510161	715 98	62 53	29.45	128 48	0.54	141 56	135 60	130.53
-3600 W	-950	tg97181	10.34	5287.15	0.47	0.023	0.40	982,127.28	982138.09	6973319	510161	715 98	62 53	29.45	128 48	0.54	141 58	135 61	130.54
-3600 W	-925	tg97181	10.45	5286.94	0.54	0.025	0.30	982,127.09	982138.10	6973342	510169	716 93	62 53	30.22	128 47	59.99	141 45	135 47	130.38
-3600 W	-925	tg97180	10.17	5286.96	0.58	0.007	0.30	982,127.09	982138.10	6973342	510169	716 93	62 53	30.22	128 47	59.99	141 46	135.48	130.39
-3600 W	-900	tg97181	10.53	5287.25	0.61	0.025	0.55	982,127.43	982138.12	6973366	510176	714 49	62 53	30.98	128 47	59.43	141 55	135 62	130.57
-3600 W	-900	tg97180	10.30	5287.29	0.62	0.008	0.55	982,127.45	982138.12	6973366	510176	714 49	62 53	30.98	128 47	59.43	141 57	135 64	130.59
-3600 W	-875	tg97180	10.43	5288.00	0.52	0.008	0.54	982,128.17	982138.13	6973380	510184	709 73	62 53	31.75	128 47	58.87	141 25	135.35	130.34
-3600 W	-850	tg97180	10.59	5286.71	0.41	0.008	0.64	982,128.88	982138.15	6973414	510192	704 49	62 53	32.52	128 47	58.31	140 95	135 11	130 14
-3600 W	-825	tg97180	11.14	5289.17	0.51	0.007	0.76	982,129.39	982138.17	6973437	510200	701 59	62 53	33.28	128 47	57.75	140 97	135 16	130 23
-3600 W	-800	tg97180	11.24	5289.26	0.48	0.006	0.98	982,129.48	982138.18	6973461	510208	700 89	62 53	34.05	128 47	57.19	141 12	135 34	130 42
-3600 W	-775	tg97180	11.38	5289.38	0.68	0.004	0.91	982,129.66	982138.20	6973485	510216	700 16	62 53	34.82	128 47	56.83	141 07	135 30	130 38
-3600 W	-750	tg97180	11.52	5289.73	0.37	0.003	0.51	982,129.93	982138.21	6973509	510223	698.01	62 53	35.58	128 47	56.07	140 41	134 81	129 68
-3600 W	-725	tg97180	12.04	5290.26	0.49	0.001	0.30	982,130.52	982138.23	6973532	510231	695 26	62 53	36.35	128 47	55.51	140 16	134 36	129 43
-3600 W	-700	tg97180	12.15	5280.34	0.44	-0.001	0.08	982,130.59	982138.24	6973556	510239	695 33	62 53	37.11	128 47	54.95</			

-3600	W	-375	tg97180	14 19	5289 59	0.60	-0.029	0.04	982,129 82	982138.45	6973885	510341	704 70	62	53	47.07	128	47	47.66	140 94	135 04	130.02
-3600	W	-350	tg97180	14 26	5289 63	0.51	-0.031	0.00	982,129 83	982138.48	6973888	510349	704 69	62	53	47.84	128	47	47.10	140 89	134 98	129 96
-3600	W	-325	tg97180	14 33	5289 62	0.57	-0.033	0.03	982,129 83	982138.48	6973912	510357	704 80	62	53	48.61	128	47	48.54	140 94	135 03	130.01
-3600	W	-300	tg97180	14 41	5289 59	0.51	-0.034	0.04	982,129 78	982138.49	6973936	510384	705 26	62	53	49.37	128	47	45.98	140 98	135 07	130.05
-3600	W	-275	tg97180	14 52	5289 14	0.52	-0.037	0.04	982,129 31	982138.51	6973960	510372	708 03	62	53	50.14	128	47	45.42	141 08	135.14	130.10
-3600	W	-250	tg97180	15 02	5289 37	0.63	-0.040	0.05	982,129 58	982138.53	6973963	510380	706 68	62	53	50.91	128	47	44.88	141 06	135.14	130.11
-3600	W	-225	tg97180	15 11	5289 08	0.64	-0.042	0.05	982,129 28	982138.54	6974007	510388	708 38	62	53	51.67	128	47	44.30	141.10	135 16	130 12
-3600	W	-200	tg97180	15 21	5289 59	0.61	-0.044	0.04	982,129 75	982138.56	6974031	510386	711 14	62	53	52.44	128	47	43.74	141 13	135 17	130 11
-3600	W	-175	tg97180	15 29	5288 84	0.65	-0.047	0.03	982,129 02	982138.57	6974055	510404	710 32	62	53	53.20	128	47	43.18	141 20	135 25	130 19
-3600	W	-150	tg97180	15 37	5288 68	0.73	-0.048	0.04	982,129 09	982138.59	6974078	510412	710 28	62	53	53.97	128	47	42.62	141.25	135 30	130 24
-3600	W	-125	tg97180	15 48	5289 14	0.52	-0.051	0.06	982,129 29	982138.60	6974102	510419	709 45	62	53	54.74	128	47	42.06	141.29	135 35	130 30
-3600	W	-100	tg97180	16 15	5289 35	0.51	-0.056	0.02	982,129 50	982138.62	6974126	510427	708 72	62	53	55.50	128	47	41.50	141 26	135 34	130 30
-3600	W	-75	tg97180	16 22	5289 61	0.57	-0.057	0.02	982,129 79	982138.64	6974149	510435	707 33	62	53	56.27	128	47	40.94	141 26	135 34	130 30
-3600	W	-50	tg97180	16 29	5289 71	0.62	-0.059	0.03	982,129 91	982138.65	6974173	510443	708 75	62	53	57.04	128	47	40.38	141.26	135.33	130 30
-3600	W	-25	tg97180	16 35	5280 08	0.43	-0.060	0.01	982,130 24	982138.67	6974197	510451	705 28	62	53	57.80	128	47	38.62	141.24	135.32	130 30
-3600	W	0	tg97180	16 41	5289 96	0.57	-0.061	0.03	982,130 16	982138.68	6974221	510459	708 04	62	53	58.57	128	47	38.26	141 32	135.40	130 37
-3700	W	-1000	tg97184	10 42	5282 41	0.53	0.023	0.16	982,132 93	982138.08	6973302	510050	689 36	62	53	28.94	128	48	6.39	141 31	135 54	130 64
-3700	W	-975	tg97184	10 34	5282 09	0.66	0.020	0.22	982,132 63	982138.09	6973326	510058	690 93	62	53	29.71	128	48	7.82	141.39	135 62	130 72
-3700	W	-950	tg97184	10 21	5291 85	0.50	0.014	0.39	982,132 32	982138.11	6973350	510066	692 65	62	53	30.47	128	48	7.28	141 63	135 66	130 66
-3700	W	-925	tg97184	10 13	5291 70	0.57	0.011	0.43	982,132 18	982138.12	6973374	510074	693.20	62	53	31.24	128	48	6.70	141 64	135 67	130 66
-3700	W	-900	tg97184	10 06	5292 33	0.50	0.008	0.39	982,132 82	982138.14	6973397	510081	689 36	62	53	32.01	128	48	6.14	141 40	135 66	130 78
-3700	W	-875	tg97184	9 57	5282 54	0.42	0.002	0.18	982,133 01	982138.15	6973421	510089	687.56	62	53	32.77	128	48	5.58	140 95	135 20	130 32
-3700	W	-850	tg97184	8 50	5292 51	0.35	0.002	0.04	982,132 95	982138.17	6973445	510097	687.49	62	53	33.54	128	48	5.02	140 70	134 94	130 05
-3700	W	-825	tg97184	8 43	5282 49	0.38	-0.002	0.01	982,132 94	982138.19	6973469	510105	687 03	62	53	34.31	128	48	4.48	140 54	134 78	129 68
-3700	W	-800	tg97184	8 38	5282 49	0.37	-0.004	0.00	982,132 93	982138.20	6973492	510113	688 98	62	53	35.07	128	48	3.90	140 49	134 73	129 64
-3700	W	-775	tg97184	8 31	5292 32	0.45	-0.007	0.00	982,132 77	982138.22	6973518	510121	687 52	62	53	35.84	128	48	3.34	140 44	134 67	129 77
-3700	W	-750	tg97184	8 23	5292 14	0.43	-0.010	0.00	982,132 57	982138.23	6973540	510128	688.56	62	53	36.60	128	48	2.78	140 44	134 67	129 76
-3700	W	-725	tg97184	8 18	5282 02	0.39	-0.013	0.00	982,132 43	982138.25	6973564	510136	689 34	62	53	37.37	128	48	2.22	140 45	134 67	129 76
-3700	W	-700	tg97184	8 12	5281 88	0.59	-0.015	0.00	982,132 34	982138.26	6973587	510144	689 83	62	53	38.14	128	48	1.68	140 45	134 67	129 75
-3700	W	-675	tg97184	8 08	5291 84	0.58	-0.018	0.00	982,132 30	982138.28	6973611	510152	690 32	62	53	38.90	128	48	1.10	140 49	134 70	129 78
-3700	W	-650	tg97184	8 59	5291 74	0.53	-0.025	0.00	982,132 17	982138.30	6973635	510160	690 95	62	53	39.67	128	48	0.54	140 48	134 69	129 76
-3700	W	-625	tg97184	8 37	5291 73	0.57	-0.030	0.00	982,132 16	982138.31	6973659	510168	691.27	62	53	40.44	128	47	59.99	140 53	134 73	129 80
-3700	W	-600	tg97183	16 59	5291 71	0.39	-0.025	0.00	982,132 08	982138.33	6973682	510175	691.93	62	53	41.20	128	47	59.43	140 57	134 77	129 84
-3700	W	-580	tg97183	17 18	5291 69	0.51	-0.036	0.00	982,132 08	982138.33	6973682	510175	691.93	62	53	41.20	128	47	59.43	140 57	134 77	129 84
-3700	W	-560	tg97184	8 29	5291 70	0.44	-0.033	0.00	982,132 09	982138.33	6973682	510175	691.93	62	53	41.20	128	47	59.43	140 58	134 77	129 84
-3700	W	-575	tg97183	17 08	5291 67	0.52	-0.031	0.00	982,132 07	982138.34	6973708	510183	692.42	62	53	41.97	128	47	58.87	140 65	134 84	129 91
-3700	W	-575	tg97184	8 23	5291 71	0.39	-0.036	0.00	982,132 08	982138.34	6973708	510183	692.42	62	53	41.97	128	47	58.87	140 66	134 85	129 92
-3700	W	-575	tg97183	16 54	5291 69	0.54	-0.025	0.00	982,132 11	982138.34	6973708	510183	692.42	62	53	41.97	128	47	58.67	140 68	134 88	129 94
-3700	W	-550	tg97184	8 17	5291 73	0.48	-0.038	0.00	982,132 13	982138.36	6973730	510191	692.58	62	53	42.73	128	47	58.31	140 72	134 82	129 88
-3700	W	-550	tg97183	17 12	5291 71	0.58	-0.034	0.00	982,132 13	982138.36	6973730	510191	692.58	62	53	42.73	128	47	58.31	140 72	134 82	129 88
-3700	W	-550	tg97183	16 49	5291 71	0.57	-0.025	0.00	982,132 14	982138.36	6973730	510191	692.58	62	53	42.73	128	47	58.31	140 73	134 83	129 89
-3700	W	-525	tg97183	16 43	5291 72	0.51	-0.022	0.00	982,132 13	982138.37	6973754	510199	692.84	62	53	43.50	128	47	57.75	140 77	134 86	130 02
-3700	W	-500	tg97183	16 36	5291 58	0.57	-0.019	0.00	982,132 00	982138.39	6973777	510207	693.58	62	53	44.27	128	47	57.19	140 78	134 87	130 03
-3700	W	-475	tg97183	16 28	5291 53	0.52	-0.016	0.00	982,131 94	982138.41	6973801	510215	694.43	62	53	45.03	128	47	56.83	140 88	135 06	130 11
-3700	W	-450	tg97183	16 22	5291 23	0.63	-0.014	0.01	982,131 68	982138.42	6973825	510222	696 33	62	53	45.80	128	47	56.07	141.00	135 16	130 20
-3700	W	-425	tg97183	16 17	5291 20	0.55	-0.012	0.00	982,131 61	982138.44	6973848	510230	698 95	62	53	46.57	128	47	55.51	141 05	135 21	130 24
-3700	W	-400	tg97183	16 12	5291 17	0.53	-0.009	0.00	982,131 57	982138.45	6973872	510238	697 37	62	53	47.33	128	47	54.94	141 09	135 24	130 27
-3700	W																					

-3700 W	0	tg97183	14 46	5291 78	0 44	0 024	0.03	982,132.22	982,138.70	6974252	510364	698 59	62	63	69 59	128	47	45.98	141 36	135 52	130 56
-3900 W	-1000	tg97184	10 56	5284 53	0 45	0 025	0.00	982,135.13	982,138.12	6973365	509880	681 45	62	63	30.98	128	48	21.80	141 61	135 80	131 04
-3900 W	-875	tg97184	11 03	5284 68	0 58	0 030	0.00	982,135.35	982,138.13	6973369	509888	680 58	62	63	31.75	128	48	21.24	141 62	135 92	131 07
-3900 W	-950	tg97184	11 09	5284 89	0 58	0 032	0.00	982,135.56	982,138.15	6973413	509876	679 23	62	63	32.52	128	48	20.68	141 53	135 84	131 00
-3900 W	-925	tg97184	11 13	5284 91	0.52	0 033	0.00	982,135.57	982,138.17	6973436	509884	678.91	62	63	33.28	128	48	20.12	141 45	135 78	130 92
-3900 W	-900	tg97184	11 19	5285 06	0.53	0 035	0.00	982,135.73	982,138.18	6973460	509892	678 27	62	63	34.05	128	48	19.56	141.47	135 78	130 85
-3900 W	-875	tg97184	11 26	5284 90	0.57	0 037	0.00	982,135.58	982,138.20	6973484	509890	678.62	62	63	34.81	128	48	19.00	141 37	135 68	130 85
-3900 W	-850	tg97184	11 34	5285 22	0.51	0 039	0.00	982,135.90	982,138.21	6973508	509907	677 31	62	63	35.58	128	48	18.44	141 40	135 72	130 89
-3900 W	-825	tg97184	11 41	5285 22	0.45	0 041	0.00	982,135.88	982,138.23	6973531	509915	677 33	62	63	36.35	128	48	17.88	141 37	135 69	130 88
-3900 W	-800	tg97184	11 48	5285 12	0.49	0 042	0.00	982,135.79	982,138.24	6973555	509923	677 99	62	63	37.11	128	48	17.32	141 40	135 72	130 89
-3900 W	-775	tg97184	11 54	5284 97	0.59	0 043	0.00	982,135.66	982,138.26	6973579	509931	678.29	62	63	37.88	128	48	16.78	141 33	135 64	130 81
-3900 W	-750	tg97184	12 00	5284 88	0.58	0 045	0.00	982,135.55	982,138.28	6973602	509939	678.74	62	63	38.65	128	48	16.20	141 29	135 60	130 78
-3900 W	-725	tg97184	12 16	5284 82	0 60	0 048	0.00	982,135.52	982,138.29	6973626	509947	679 11	62	63	39.41	128	48	15.64	141 32	135 63	130 79
-3900 W	-700	tg97184	12 22	5284 75	0 61	0 049	0.00	982,135.45	982,138.31	6973650	509954	679 52	62	63	40.18	128	48	15.08	141 32	135 63	130 78
-3900 W	-675	tg97184	12 28	5284 65	0 39	0 050	0.00	982,135.28	982,138.32	6973674	509962	680 28	62	63	40.94	128	48	14.52	141 30	135 59	130 75
-3900 W	-650	tg97184	12 34	5284 62	0 50	0 050	0.00	982,135.28	982,138.34	6973687	509970	680 65	62	63	41.71	128	48	13.98	141 36	135 66	130 81
-3900 W	-625	tg97184	12 40	5284 64	0.57	0 051	0.00	982,135.32	982,138.35	6973721	509978	680.84	62	63	42.48	128	48	13.40	141 43	135 72	130 87
-3900 W	-600	tg97184	12 45	5284 69	0 44	0 052	0.00	982,135.34	982,138.37	6973745	509988	681 04	62	63	43.24	128	48	12.84	141 47	135 76	130 91
-3900 W	-575	tg97184	12 50	5284 69	0 58	0 052	0.00	982,135.38	982,138.38	6973769	509994	680 94	62	63	44.01	128	48	12.28	141 48	135 77	130 92
-3900 W	-550	tg97184	12 56	5284 72	0.51	0 052	0.00	982,135.39	982,138.40	6973792	510001	681 18	62	63	44.78	128	48	11.72	141 52	135 81	130 98
-3900 W	-525	tg97184	13 02	5284 64	0 56	0 052	0.00	982,135.32	982,138.42	6973816	510009	682 01	62	63	45.54	128	48	11.18	141 62	135 90	131 04
-3900 W	-500	tg97184	13 09	5284 55	0 54	0 052	0.00	982,135.22	982,138.43	6973840	510017	682.71	62	63	46.31	128	48	10.60	141 65	135 83	131 08
-3900 W	-475	tg97184	13 16	5284 47	0.57	0 052	0.00	982,135.15	982,138.45	6973864	510025	683 64	62	63	47.07	128	48	10.04	141 76	136 03	131 15
-3900 W	-450	tg97184	13 22	5284 70	0 47	0 052	0.00	982,135.38	982,138.48	6973887	510033	683 46	62	63	47.84	128	48	9.48	141 92	136 18	131 31
-3900 W	-425	tg97184	13 27	5284 87	0 53	0 051	0.00	982,135.56	982,138.48	6973911	510041	683 29	62	63	48.61	128	48	8.92	142 06	136 33	131 46
-3900 W	-400	tg97184	13 33	5284 85	0 50	0 051	0.00	982,135.53	982,138.49	6973935	510048	682 47	62	63	49.37	128	48	8.36	141 84	136 12	131 25
-3900 W	-375	tg97184	13 38	5284 65	0 36	0 050	0.00	982,135.27	982,138.51	6973959	510056	683 07	62	63	50.14	128	48	7.80	141 70	135 97	131 10
-3900 W	-350	tg97184	13 44	5284 54	0 52	0 050	0.00	982,135.20	982,138.53	6973982	510064	683.41	62	63	50.91	128	48	7.24	141 69	135 96	131 09
-3900 W	-325	tg97184	13 51	5284 31	0 49	0 049	0.00	982,134.95	982,138.54	6974008	510072	684 35	62	63	51.67	128	48	6.68	141 62	135 88	131 01
-3900 W	-300	tg97184	13 56	5284 21	0 50	0 049	0.00	982,134.85	982,138.58	6974030	510080	684 76	62	63	52.44	128	48	6.12	141 59	135 85	130 87
-3900 W	-275	tg97184	14 03	5284 18	0 52	0 047	0.00	982,134.83	982,138.57	6974054	510088	684 72	62	63	53.21	128	48	5.56	141 54	135 80	130 92
-3900 W	-250	tg97184	14 19	5283 91	0 48	0 044	0.00	982,134.53	982,138.59	6974077	510096	688 02	62	63	53.97	128	48	5.00	141 50	135 75	130 86
-3900 W	-225	tg97184	14 25	5283 94	0 41	0 043	0.00	982,134.54	982,138.60	6974101	510103	688 25	62	63	54.74	128	48	4.44	141 54	135 79	130 80
-3900 W	-200	tg97184	14 31	5283 98	0 50	0 042	0.00	982,134.61	982,138.62	6974125	510111	685 98	62	63	55.50	128	48	3.88	141 54	135 79	130 80
-3900 W	-175	tg97184	14 37	5284 14	0 58	0 040	0.00	982,134.80	982,138.64	6974149	510119	685 48	62	63	56.27	128	48	3.32	141 61	135 86	130 98
-3900 W	-150	tg97184	14 42	5284 03	0 52	0 039	0.00	982,134.68	982,138.65	6974172	510127	685 66	62	63	57.04	128	48	2.76	141 54	135 79	130 90
-3900 W	-125	tg97184	14 49	5284 05	0 43	0 037	0.00	982,134.65	982,138.67	6974196	510135	688 33	62	63	57.80	128	48	2.19	141 62	135 86	130 97
-3900 W	-100	tg97184	14 54	5284 05	0.53	0 037	0.00	982,134.69	982,138.68	6974220	510143	688 47	62	63	58.57	128	48	1.63	141 68	135 91	131 01
-3900 W	-75	tg97184	15 01	5284 04	0.45	0 034	0.00	982,134.65	982,138.70	6974243	510150	688 30	62	63	59.34	128	48	1.07	141 57	135 82	130 93
-3900 W	-50	tg97184	15 31	5284 21	0 51	0 021	0.00	982,134.84	982,138.71	6974267	510158	685 73	62	63	60.10	128	48	0.51	141 62	135 87	130 99
-3900 W	-50	tg97184	15 11	5284 24	0 40	0 031	0.00	982,134.84	982,138.71	6974287	510158	685 73	62	63	60.10	128	48	0.51	141 63	135 88	130 99
-3900 W	-25	tg97184	15 32	5284 32	0 49	0 023	0.00	982,134.95	982,138.73	6974291	510166	685 01	62	63	60.86	128	47	59.96	141 57	135 82	130 94
-3900 W	-25	tg97184	15 17	5284 33	0.55	0 028	0.00	982,134.98	982,138.73	6974291	510168	685 01	62	63	60.86	128	47	59.96	141 60	135 86	130 97
-3900 W	0	tg97184	15 44	5284 48	0 62	0 018	0.00	982,135.15	982,138.74	6974315	510174	684 12	62	63	61.63	128	47	59.40	141 57	135 83	130 95
-3900 W	0	tg97184	15 25	5284 48	0 68	0 028	0.00	982,135.17	982,138.74	6974315	510174	684 12	62	63	61.63	128	47	59.40	141 58	135 85	130 97
-4100 W	-1000	tg97185	12 35	5286 33	0.55	0 044	0.00	982,137.11	982,138.16	6973428	5097670	675 27	62	63	33.03	128	48	35.25	142 23	136 57	131 75
-4100 W	-975	tg97185	12 28	5286 41	0.47	0 043	0.00	982,137.16	982,138.18	6973452	5097678	674 98	62	63	33.80	128	48	34.69	142 20	136 54	131 73
-4100 W	-950	tg97185	12 22	5286 69	0.50	0 041	0.00	982,137.47	982,138.19	6973475	509688	673 80	62	63	34.56	128	48	34.13	142 24</td		

-4100 W	-575	tg97185	10.58	5288.87	0.57	0.012	0.00	982,137.65	982,138.43	6973831	509804	672.48	62	53	48.06	128	48	25.73	141.91	136.27	131.48
-4100 W	-550	tg97185	10.52	5288.94	0.45	0.012	0.00	982,137.69	982,138.44	6973855	509811	672.50	62	53	48.82	128	48	25.17	141.84	136.30	131.51
-4100 W	-525	tg97185	10.48	5288.90	0.45	0.010	0.00	982,137.64	982,138.46	6973879	509819	673.04	62	53	47.59	128	48	24.61	141.89	136.35	131.55
-4100 W	-500	tg97185	10.32	5297.01	0.45	0.004	0.00	982,137.75	982,138.47	6973903	509827	672.83	62	53	48.36	128	48	24.05	142.04	136.40	131.61
-4100 W	-475	tg97185	10.28	5297.20	0.44	0.001	0.00	982,137.95	982,138.49	6973926	509835	672.40	62	53	49.12	128	48	23.49	142.13	136.49	131.70
-4100 W	-450	tg97185	10.18	5297.40	0.48	-0.002	0.04	982,138.16	982,138.50	6973950	509843	671.72	62	53	49.89	128	48	22.93	142.23	136.61	131.82
-4100 W	-425	tg97185	10.13	5297.75	0.38	-0.004	0.00	982,138.49	982,138.52	6973974	509851	670.47	62	53	50.65	128	48	22.37	142.24	136.62	131.84
-4100 W	-400	tg97185	10.08	5297.25	0.53	-0.006	0.00	982,138.02	982,138.54	6973998	509858	672.18	62	53	51.42	128	48	21.81	142.11	136.47	131.68
-4100 W	-375	tg97185	10.02	5297.09	0.41	-0.008	0.00	982,137.81	982,138.55	6974021	509866	672.53	62	53	52.19	128	48	21.25	141.98	136.32	131.53
-4100 W	-350	tg97185	9.97	5288.99	0.49	-0.014	0.00	982,137.73	982,138.57	6974045	509874	672.35	62	53	52.95	128	48	20.69	141.82	136.18	131.39
-4100 W	-325	tg97185	9.91	5297.01	0.45	-0.014	0.00	982,137.73	982,138.58	6974069	509882	671.97	62	53	53.72	128	48	20.13	141.73	136.10	131.31
-4100 W	-300	tg97185	9.44	5287.08	0.67	-0.016	0.00	982,137.87	982,138.60	6974093	509890	671.61	62	53	54.49	128	48	19.57	141.78	136.15	131.38
-4100 W	-275	tg97185	9.38	5288.89	0.45	-0.019	0.00	982,137.60	982,138.61	6974116	509898	672.24	62	53	55.25	128	48	19.01	141.63	136.89	131.20
-4100 W	-250	tg97185	9.33	5297.10	0.61	-0.021	0.00	982,137.84	982,138.63	6974140	509905	671.85	62	53	56.02	128	48	18.45	141.77	136.13	131.35
-4100 W	-225	tg97185	9.28	5297.03	0.49	-0.024	0.00	982,137.78	982,138.65	6974164	509913	672.21	62	53	56.78	128	48	17.89	141.74	136.11	131.32
-4100 W	-200	tg97185	8.53	5296.83	0.47	-0.039	0.00	982,137.53	982,138.66	6974188	509921	673.08	62	53	57.55	128	48	17.33	141.68	136.04	131.24
-4100 W	-175	tg97185	8.47	5288.79	0.53	-0.040	0.00	982,137.50	982,138.68	6974211	509929	673.12	62	53	58.32	128	48	16.77	141.65	136.01	131.21
-4100 W	-150	tg97184	16.38	5296.85	0.34	-0.004	0.00	982,137.54	982,138.69	6974235	509937	672.55	62	53	59.08	128	48	16.21	141.55	135.81	131.12
-4100 W	-150	tg97185	8.40	5286.91	0.29	-0.043	0.00	982,137.55	982,138.69	6974235	509937	672.55	62	53	59.08	128	48	16.21	141.56	135.82	131.13
-4100 W	-125	tg97184	16.30	5296.73	0.48	0.000	0.00	982,137.45	982,138.71	6974259	509945	672.98	62	53	59.85	128	48	15.85	141.54	135.80	131.10
-4100 W	-100	tg97184	16.20	5286.78	0.39	0.004	0.00	982,137.49	982,138.72	6974282	509952	672.92	62	54	0.61	128	48	15.09	141.55	135.80	131.11
-4100 W	-75	tg97184	16.14	5296.76	0.46	0.006	0.00	982,137.49	982,138.74	6974306	509960	673.02	62	54	1.38	128	48	14.53	141.55	135.81	131.12
-4100 W	-50	tg97184	16.08	5286.88	0.39	0.009	0.00	982,137.60	982,138.76	6974330	509968	672.80	62	54	2.14	128	48	13.97	141.60	135.86	131.16
-4100 W	-25	tg97184	16.02	5286.99	0.49	0.011	0.00	982,137.75	982,138.77	6974354	509976	672.23	62	54	2.91	128	48	13.41	141.61	135.87	131.18
-4100 W	0	tg97184	15.54	5297.20	0.47	0.016	0.00	982,137.96	982,138.79	6974377	509984	671.55	62	54	3.68	128	48	12.85	141.67	136.04	131.25
-4100 W	0	tg97199	8.10	5297.35	0.63	-0.034	0.00	982,137.98	982,138.79	6974377	509984	671.55	62	54	3.68	128	48	12.85	141.68	136.05	131.27
-4100 W	25	tg97199	8.17	5297.45	0.63	-0.031	0.00	982,138.09	982,138.80	6974401	509992	671.10	62	54	4.44	128	48	12.29	141.68	136.06	131.27
-4100 W	50	tg97199	8.22	5297.47	0.54	-0.029	0.00	982,138.08	982,138.82	6974425	509999	671.24	62	54	5.21	128	48	11.73	141.69	136.08	131.28
-4100 W	75	tg97199	8.27	5297.61	0.49	-0.027	0.00	982,138.22	982,138.83	6974449	510007	670.67	62	54	5.97	128	48	11.17	141.69	136.07	131.29
-4100 W	100	tg97199	8.31	5297.76	0.62	-0.025	0.00	982,138.42	982,138.85	6974472	510015	669.73	62	54	6.74	128	48	10.61	141.67	136.06	131.29
-4100 W	125	tg97199	8.38	5297.95	0.55	-0.023	0.00	982,138.60	982,138.87	6974496	510023	668.54	62	54	7.51	128	48	10.05	141.59	135.98	131.22
-4100 W	150	tg97199	8.43	5298.14	0.55	-0.020	0.00	982,138.60	982,138.88	6974520	510031	667.64	62	54	8.27	128	48	9.48	141.56	135.98	131.21
-4100 W	175	tg97199	8.48	5298.24	0.45	-0.017	0.00	982,138.68	982,138.90	6974544	510039	668.83	62	54	9.04	128	48	8.92	141.47	135.88	131.13
-4100 W	200	tg97199	8.53	5298.53	0.60	-0.016	0.03	982,139.23	982,138.91	6974567	510046	665.24	62	54	9.81	128	48	8.38	141.51	135.93	131.19
-4100 W	225	tg97199	8.58	5298.84	0.54	-0.016	0.02	982,139.54	982,138.93	6974591	510054	663.85	62	54	10.58	128	48	7.80	141.51	135.95	131.22
-4100 W	250	tg97199	9.04	5298.81	0.43	-0.009	0.01	982,139.48	982,138.94	6974615	510062	664.25	62	54	11.34	128	48	7.24	141.49	135.82	131.19
-4100 W	275	tg97199	9.09	5298.98	0.58	-0.007	0.00	982,139.71	982,138.96	6974639	510070	663.37	62	54	12.11	128	48	6.68	141.50	135.94	131.21
-4100 W	300	tg97199	9.14	5299.22	0.57	-0.005	0.00	982,139.96	982,139.87	6974662	510078	662.20	62	54	12.88	128	48	6.12	141.49	135.94	131.22
-4100 W	325	tg97199	9.18	5299.53	0.51	-0.003	0.02	982,140.27	982,139.99	6974686	510086	660.79	62	54	13.64	128	48	5.58	141.51	135.97	131.26
-4100 W	350	tg97199	9.23	5299.84	0.55	-0.001	0.03	982,140.61	982,139.01	6974710	510094	659.21	62	54	14.41	128	48	5.00	141.51	135.89	131.29
-4100 W	375	tg97199	9.30	5300.20	0.57	0.002	0.03	982,140.99	982,139.02	6974734	510101	657.48	62	54	15.17	128	48	4.44	141.51	136.00	131.32
-4100 W	400	tg97199	9.35	5300.50	0.63	0.005	0.00	982,141.33	982,139.04	6974757	510109	658.04	62	54	15.94	128	48	3.88	141.49	135.99	131.32
-4100 W	425	tg97199	9.40	5300.77	0.54	0.007	0.03	982,141.59	982,139.05	6974781	510117	655.12	62	54	16.71	128	48	3.32	141.58	136.09	131.42
-4100 W	450	tg97199	9.45	5300.95	0.52	0.009	0.01	982,141.77	982,139.07	6974805	510125	654.12	62	54	17.47	128	48	2.76	141.51	136.03	131.37
-4100 W	475	tg97199	9.50	5301.25	0.60	0.011	0.03	982,142.12	982,139.08	6974820	510133	652.45	62	54	18.24	128	48	2.20	141.51	136.04	131.39
-4100 W	500	tg97199	9.56	5301.57	0.55	0.011	0.03	982,142.44	982,139.10	6974852	510141	651.14	62	54	19.01	128	48	1.64	141.53	136.08	131.44
-4100 W	525	tg97199	10.03	5301.57	0.45	0.016	0.05	982,142.41	982,139.12	6974876	510148	651.24	62	54	19.77	128	48	1.08	141.54	136.08	131.45
-4100 W	550	tg97199	10.09	5301.89	0.45	0.019	0.04	982,142.75	982,139.13	6974900	510156	649.58	62	54	20.54	128	48	0.52	141.50	136.05	131.43
-4100 W	575</td																				

-4300 W	-975	tg97185	13.08	5287.41	0.56	0.049	0.00	982,138.25	982,138.22	6973514	509486	670 25	62	53	35 84	128	48	48.12	142.25	136.63	131.85
-4300 W	-950	tg97185	13.13	5287.59	0.51	0.049	0.00	982,138.42	982,138.23	6973538	509496	689 11	62	53	38 60	128	48	47.56	142.18	136.55	131.79
-4300 W	-925	tg97185	13.20	5287.41	0.50	0.050	0.00	982,138.23	982,138.25	6973562	509504	689 52	62	53	37 37	128	48	47.00	142.04	136.43	131.66
-4300 W	-900	tg97185	13.26	5287.45	0.54	0.050	0.00	982,138.29	982,138.28	6973585	509512	689 04	62	53	38 14	128	48	48.44	141.98	136.37	131.60
-4300 W	-875	tg97185	13.32	5287.49	0.50	0.050	0.00	982,138.32	982,138.28	6973609	509520	688 72	62	53	38 80	128	48	45.88	141.93	136.32	131.55
-4300 W	-850	tg97185	13.38	5287.58	0.51	0.050	0.00	982,138.41	982,138.30	6973633	509528	688 03	62	53	39 67	128	48	45.32	141.86	136.26	131.50
-4300 W	-825	tg97185	13.43	5287.62	0.63	0.050	0.00	982,138.49	982,138.31	6973657	509535	687 64	62	53	40 44	128	48	44.76	141.84	136.25	131.49
-4300 W	-800	tg97185	13.49	5287.73	0.61	0.050	0.00	982,138.60	982,138.33	6973680	509543	688 90	62	53	41 20	128	48	44.20	141.78	136.19	131.44
-4300 W	-775	tg97186	8.12	5287.74	0.52	-0.063	0.00	982,138.44	982,138.34	6973704	509551	687 28	62	53	41 97	128	48	43.84	141.68	136.10	131.34
-4300 W	-750	tg97186	8.19	5287.75	0.60	-0.061	0.00	982,138.48	982,138.36	6973728	509559	688 89	62	53	42 73	128	48	43.08	141.63	136.04	131.28
-4300 W	-725	tg97186	8.24	5287.89	0.52	-0.060	0.00	982,138.61	982,138.37	6973752	509567	688 23	62	53	43 50	128	48	42.52	141.58	136.01	131.26
-4300 W	-700	tg97186	8.31	5287.89	0.65	-0.058	0.00	982,138.65	982,138.39	6973775	509575	688 15	62	53	44 27	128	48	41 98	141.60	136.02	131.27
-4300 W	-675	tg97186	8.15	5287.94	0.56	0.003	0.00	982,138.73	982,138.41	6973799	509582	685 63	62	53	45 03	128	48	41 40	141.60	136.02	131.26
-4300 W	-675	tg97186	8.37	5287.98	0.62	-0.056	0.00	982,138.74	982,138.41	6973799	509582	685 63	62	53	45 03	128	48	41 40	141.61	136.03	131.28
-4300 W	-675	tg97187	8.04	5288.02	0.65	-0.071	0.00	982,138.76	982,138.41	6973799	509582	685 63	62	53	45 03	128	48	41 40	141.64	136.05	131.31
-4300 W	-650	tg97186	8.43	5288.18	0.62	-0.054	0.00	982,138.95	982,138.42	6973823	509590	685 13	62	53	45 80	128	48	40 84	141.66	136.08	131.34
-4300 W	-625	tg97186	8.49	5288.19	0.63	-0.051	0.00	982,138.98	982,138.44	6973847	509598	684 53	62	53	45 57	128	48	40 28	141.53	135 96	131 22
-4300 W	-600	tg97186	8.55	5288.29	0.59	-0.051	0.00	982,139.06	982,138.45	6973870	509606	684 76	62	53	47 33	128	48	39 72	141 66	136 08	131 34
-4300 W	-575	tg97186	9.00	5288.32	0.48	-0.048	0.00	982,139.06	982,138.47	6973894	509614	684 67	62	53	48 10	128	48	39 18	141 62	136 05	131 31
-4300 W	-550	tg97186	9.09	5288.44	0.60	-0.044	0.00	982,139.22	982,138.48	6973918	509622	684 09	62	53	48 87	128	48	38 60	141 65	136 08	131 35
-4300 W	-525	tg97186	9.16	5288.55	0.56	-0.042	0.00	982,139.33	982,138.50	6973942	509629	683 85	62	53	49 63	128	48	38.04	141 69	136 12	131 39
-4300 W	-500	tg97186	9.21	5288.72	0.54	-0.041	0.00	982,139.50	982,138.52	6973965	509637	683 11	62	53	50 40	128	48	37.48	141 69	136 13	131 40
-4300 W	-475	tg97186	9.27	5288.78	0.60	-0.038	0.00	982,139.57	982,138.53	6973989	509645	682 78	62	53	51 16	128	48	36 92	141 67	136 11	131 39
-4300 W	-475	tg97186	17.08	5288.74	0.59	0.007	0.00	982,139.58	982,138.53	6973989	509645	682 78	62	53	51 16	128	48	36 92	141 68	136 13	131 40
-4300 W	-475	tg97187	8.28	5288.84	0.52	-0.066	0.00	982,139.59	982,138.53	6973989	509645	682 78	62	53	51 16	128	48	36 92	141 69	136 14	131 41
-4300 W	-450	tg97186	9.33	5288.79	0.55	-0.038	0.00	982,139.58	982,138.55	6974013	509653	682 67	62	53	51 93	128	48	36 36	141 65	136 09	131 37
-4300 W	-425	tg97186	9.44	5289.11	0.52	-0.031	0.00	982,139.92	982,138.56	6974037	509661	681 22	62	53	52 70	128	48	35 80	141 65	136 11	131 40
-4300 W	-400	tg97186	9.49	5289.55	0.48	-0.029	0.00	982,140.37	982,138.58	6974060	509669	659 49	62	53	53 46	128	48	35 24	141 72	136 19	131 50
-4300 W	-400	tg97187	8.34	5289.61	0.57	-0.064	0.00	982,140.42	982,138.58	6974060	509669	659 49	62	53	53 46	128	48	35 24	141 77	136 24	131 54
-4300 W	-375	tg97186	9.59	5289.17	0.63	-0.029	0.00	982,140.02	982,138.59	6974084	509676	661 32	62	53	54 23	128	48	34 68	141 74	136 20	131 49
-4300 W	-350	tg97186	10.05	5289.22	0.56	-0.023	0.00	982,140.05	982,138.61	6974108	509684	661 39	62	53	55 00	128	48	34 12	141 76	136 23	131 52
-4300 W	-350	tg97186	16.55	5289.19	0.56	0.012	0.00	982,140.05	982,138.61	6974108	509684	661 39	62	53	55 00	128	48	34 12	141 78	136 24	131 52
-4300 W	-325	tg97186	10.11	5289.42	0.63	-0.021	0.00	982,140.29	982,138.62	6974131	509692	660 32	62	53	55 76	128	48	33 56	141 77	136 24	131 53
-4300 W	-300	tg97186	16.48	5289.30	0.57	0.013	0.00	982,140.17	982,138.64	6974155	509700	660 68	62	53	56 03	128	48	33.00	141 76	136 22	131 51
-4300 W	-300	tg97186	10.17	5289.32	0.61	-0.018	0.00	982,140.18	982,138.64	6974155	509700	660 68	62	53	56 53	128	48	33.00	141 77	136 22	131 51
-4300 W	-300	tg97187	8.44	5289.39	0.57	-0.062	0.00	982,140.19	982,138.64	6974155	509700	660 68	62	53	56 53	128	48	33.00	141 78	136 24	131 53
-4300 W	-275	tg97186	10.22	5289.50	0.57	-0.016	0.00	982,140.36	982,138.66	6974179	509708	660 22	62	53	57 29	128	48	32.44	141 79	136 25	131 55
-4300 W	-250	tg97186	10.29	5289.56	0.63	-0.014	0.00	982,140.44	982,138.67	6974203	509716	659 78	62	53	58 06	128	48	31 88	141 76	136 23	131 53
-4300 W	-225	tg97186	10.34	5289.56	0.49	-0.011	0.00	982,140.40	982,138.69	6974226	509723	660 13	62	53	58 63	128	48	31 32	141 78	136 25	131 54
-4300 W	-200	tg97186	10.41	5289.45	0.53	-0.009	0.00	982,140.30	982,138.70	6974250	509731	660 68	62	53	59 59	128	48	30.76	141 78	136 24	131 53
-4300 W	-200	tg97187	8.50	5289.50	0.56	-0.061	0.00	982,140.30	982,138.70	6974250	509731	660 68	62	53	59 59	128	48	30.76	141 78	136 25	131 54
-4300 W	-175	tg97186	10.46	5289.43	0.44	-0.007	0.00	982,140.25	982,138.72	6974274	509739	660 94	62	54	0 35	128	48	30 20	141 77	136 23	131 52
-4300 W	-150	tg97186	10.57	5289.47	0.58	-0.005	0.00	982,140.34	982,138.73	6974298	509747	660 66	62	54	1 12	128	48	29 64	141 79	136 25	131 54
-4300 W	-125	tg97186	11.03	5289.39	0.51	0.000	0.00	982,140.24	982,138.75	6974321	509755	660 98	62	54	1 89	128	48	29 08	141 73	136 19	131 48
-4300 W	-100	tg97186	11.09	5289.44	0.55	0.003	0.00	982,140.31	982,138.77	6974345	509763	660 70	62	54	2 65	128	48	28 52	141 73	136 19	131 48
-4300 W	-75	tg97186	11.14	5289.52	0.50	0.005	0.00	982,140.38	982,138.78	6974369	509770	660 19	62	54	3 42	128	48	27.96	141 68	136 14	131 44
-4300 W	-75	tg97186	16.39	5289.52	0.59	0.016	0.00	982,140.41	982,138.78	6974369	509770	660 19	62	54	3 42	128	48	27.96	141 71	136 18	131 47
-4300 W	-50	tg97186	11.20	5289.58	0.48	0.003	0.00	982,140.41	982,138.80	6974363	509778	660 06	62	54	4 19	128	48	27 40	141 67	136	

-4300 W	275	tg97187	10 00	5301 40	0 62	-0.039	0 04	982,142 34	982139 00	6974701	508890	648 45	62	54	14.15	128	48	20.12	140.97	135.54	130.92
-4300 W	300	tg97187	9 55	5301 49	0 61	-0.043	0 02	982,142 43	982139 02	6974725	508888	648 19	62	54	14.92	128	48	18.56	140.97	135.53	130.92
-4300 W	325	tg97187	9 48	5302 12	0 55	-0.044	0.19	982,143 07	982139 03	6974749	508896	645 41	62	54	15.69	128	48	19.00	141.20	135.81	131.22
-4300 W	350	tg97187	9 41	5302 17	0 58	-0.046	0.08	982,143 13	982139 05	6974772	508904	645 42	62	54	16.45	128	48	18.44	141.12	135.72	131.12
-4300 W	375	tg97187	9 36	5302 09	0 53	-0.047	0 00	982,143 03	982139 06	6974796	508912	645 87	62	54	17.22	128	48	17.88	141.01	135.69	130.99
-4300 W	400	tg97187	9 30	5302 36	0 49	-0.049	0 00	982,143 30	982139 08	6974820	508919	644 68	62	54	17.98	128	48	17.32	141.01	135.60	131.01
-4300 W	425	tg97187	9 23	5302 38	0 60	-0.051	0 00	982,143 35	982139 09	6974844	508927	644 34	62	54	18.75	128	48	16.76	140.97	135.57	130.98
-4300 W	450	tg97187	9 17	5302 63	0 56	-0.053	0 00	982,143 60	982139 11	6974867	508935	643 23	62	54	19.52	128	48	16.19	140.97	135.58	130.99
-4300 W	475	tg97187	9 12	5302 91	0 60	-0.054	0 00	982,143 90	982139 13	6974891	508943	642 12	62	54	20.28	128	48	15.63	141.02	135.64	131.07
-4300 W	500	tg97187	9 08	5303 18	0 43	-0.056	0 00	982,144 13	982139 14	6974915	508951	640 91	62	54	21.05	128	48	15.07	140.98	135.61	131.04
-4300 W	500	tg97188	16 18	5303 06	0 64	0.024	0 00	982,144 16	982139 14	6974915	508951	640 91	62	54	21.05	128	48	15.07	141.00	135.63	131.08
-4300 W	525	tg97188	16 12	5303 34	0 47	0.025	0 00	982,144 40	982139 16	6974939	508959	639 84	62	54	21.82	128	48	14.51	141.01	135.64	131.08
-4300 W	550	tg97188	16 07	5303 43	0 48	0.027	0 00	982,144 50	982139 17	6974962	508966	638 18	62	54	22.58	128	48	13.95	140.95	135.59	131.04
-4300 W	575	tg97188	16 01	5303 56	0 58	0.029	0 00	982,144 67	982139 19	6974988	508974	638 07	62	54	23.35	128	48	13.39	140.87	135.52	130.97
-4300 W	600	tg97188	15.55	5303 97	0 57	0.031	0 00	982,145 10	982139 20	6975010	508982	635 81	62	54	24.11	128	48	12.83	140.80	135.47	130.94
-4300 W	625	tg97188	15 50	5304 14	0 57	0.031	0 00	982,145 28	982139 22	6975034	508990	634 82	62	54	24.88	128	48	12.27	140.76	135.43	130.91
-4300 W	650	tg97188	15 41	5304 07	0 55	0.034	0 03	982,145 20	982139 24	6975057	508998	634 62	62	54	25.65	128	48	11.71	140.65	135.34	130.82
-4300 W	675	tg97188	15 36	5304 11	0 52	0.035	0 00	982,145 23	982139 25	6975081	510006	634 20	62	54	26.41	128	48	11.15	140.55	135.23	130.71
-4300 W	700	tg97188	15.31	5304 28	0 53	0.036	0 00	982,145 40	982139 27	6975105	510013	633 28	62	54	27.18	128	48	10.59	140.50	135.19	130.68
-4300 W	725	tg97188	15.26	5304 53	0 52	0.037	0 00	982,145 68	982139 28	6975129	510021	631 63	62	54	27.95	128	48	10.03	140.46	135.16	130.66
-4300 W	750	tg97188	15 21	5304 69	0 54	0.038	0 00	982,145 85	982139 30	6975152	510029	630 75	62	54	28.71	128	48	9.47	140.39	135.10	130.61
-4300 W	775	tg97188	15 17	5305 02	0 50	0.039	0 00	982,145 19	982139 31	6975176	510037	629 26	62	54	29.48	128	48	8.91	140.39	135.12	130.63
-4300 W	800	tg97188	15 12	5305 20	0 47	0.040	0 00	982,145 37	982139 33	6975200	510045	628 16	62	54	30.24	128	48	8.35	140.32	135.08	130.58
-4300 W	825	tg97188	15 07	5305 40	0 55	0.040	0 00	982,145 60	982139 35	6975224	510053	628 87	62	54	31.01	128	48	7.78	140.27	135.02	130.55
-4300 W	850	tg97188	15 02	5305 60	0 62	0.041	0 00	982,146 84	982139 36	6975247	510060	625 59	62	54	31.78	128	48	7.22	140.22	134.97	130.51
-4300 W	875	tg97188	14 56	5305 87	0 62	0.043	0 00	982,147 09	982139 38	6975271	510068	624 28	62	54	32.54	128	48	6.66	140.18	134.94	130.50
-4300 W	900	tg97188	14 51	5306 04	0 59	0.043	0 00	982,147 29	982139 39	6975295	510076	623 18	62	54	33.31	128	48	6.10	140.13	134.90	130.48
-4300 W	925	tg97188	14 45	5306 33	0 35	0.043	0 00	982,147 52	982139 41	6975318	510084	621 98	62	54	34.08	128	48	5.54	140.09	134.87	130.44
-4300 W	950	tg97188	14 41	5306 63	0 48	0.043	0 00	982,147 87	982139 42	6975342	510092	620 43	62	54	34.84	128	48	4.98	140.09	134.89	130.47
-4300 W	975	tg97188	14 36	5306 74	0 43	0.043	0 00	982,148 98	982139 44	6975368	510100	618 93	62	54	35.61	128	48	4.42	139.87	134.68	130.27
-4300 W	1000	tg97188	14 31	5307 07	0 51	0.044	0 00	982,148 35	982139 46	6975390	510107	618 99	62	54	36.37	128	48	3.86	139.81	134.64	130.24
-4300 W	1025	tg97188	14 25	5307 64	0 38	0.044	0 00	982,148 91	982139 47	6975413	510115	614 54	62	54	37.14	128	48	3.30	139.84	134.68	130.30
-4300 W	1050	tg97188	14 19	5307 61	0 51	0.044	0 03	982,148 92	982139 49	6975437	510123	614 48	62	54	37.91	128	48	2.74	139.85	134.70	130.32
-4300 W	1075	tg97188	14 06	5307 56	0 60	0.045	0 00	982,148 90	982139 50	6975461	510131	614 58	62	54	38.67	128	48	2.18	139.80	134.64	130.27
-4300 W	1100	tg97188	14 00	5307 74	0 60	0.044	0 00	982,149 08	982139 52	6975485	510139	613 56	62	54	39.44	128	48	1.62	139.75	134.61	130.24
-4300 W	1100	tg97188	13 91	5307 78	0 52	0.042	0 00	982,149 10	982139 52	6975485	510139	613 56	62	54	39.44	128	48	1.62	139.77	134.63	130.25
-4300 W	1125	tg97188	13 37	5308 22	0 74	0.043	0 00	982,149 63	982139 53	6975508	510147	611 73	62	54	40.21	128	48	1.06	139.80	134.77	130.41
-4300 W	1150	tg97188	13 42	5308 17	0 63	0.043	0 00	982,149 54	982139 55	6975532	510155	611 78	62	54	40.97	128	48	0.50	139.81	134.68	130.32
-4300 W	1175	tg97188	13 48	5308 44	0 59	0.044	0 00	982,149 82	982139 56	6975556	510162	611 16	62	54	41.74	128	48	59.94	139.83	134.81	130.45
-4300 W	1200	tg97188	13.48	5308 70	0 50	0.044	0 00	982,150 08	982139 58	6975580	510170	610 34	62	54	42.50	128	48	59.38	139.89	134.87	130.52
-4500 W	-1000	tg97187	15 29	5298 07	0 67	0.032	0 00	982,138 93	982138 24	6973553	509291	670 13	62	53	37.11	128	49	2.06	142.88	137.26	132.48
-4500 W	-875	tg97187	15 23	5298 22	0 58	0.033	0 00	982,139 06	982138 26	6973577	509298	669 72	62	53	37.88	128	49	1.52	142.80	137.29	132.52
-4500 W	-950	tg97187	15 17	5298 37	0 58	0.033	0 00	982,139 22	982138 27	6973601	509307	668 96	62	53	38.64	128	49	0.96	142.89	137.28	132.51
-4500 W	-925	tg97187	15 13	5298 62	0 60	0.034	0 00	982,139 49	982138 29	6973624	509315	667 13	62	53	39.41	128	49	0.40	142.75	137.16	132.40
-4500 W	-900	tg97187	15 08	5298 51	0 70	0.034	0 00	982,139 40	982138 31	6973648	509322	668 88	62	53	40.18	128	48	59.84	142.60	137.01	132.26
-4500 W	-875	tg97187	15 03	5298 59	0 58	0.035	0 00	982,139 45	982138 32	6973672	509330	668 34	62	53	40.94	128	48	59.28	142.52	136.93	132.18
-4500 W	-850	tg97187	14 44	5298 45	0 61	0.035	0 00	982,139 31	982138 34	6973695	509338	668 20	62	53	41.71	128	48	58.72	142.33	136.75	132.00
-4500 W	-825	tg97187	14 38	5298 48	0 57	0.035	0 00	982,139 33	982138 35	6973719	509346	668 01	62	53	42.47	128	48	58.16	142.30	136.71	131.97
-4500 W	-800																				

-4500 W	-450	tg97187	13.08	5301 40	0.57	0.024	0 10	982,142 39	982138.59	6974075	509463	650 33	62	53	53 97	128	48	49 76	141 90	138 46	131 84
-4500 W	-425	tg97187	13.00	5300 74	0.64	0.022	0 03	982,141 71	982138.60	6974098	509471	653 41	62	53	54 74	128	48	49 20	141 79	138 31	131 66
-4500 W	-400	tg97187	12.54	5300 69	0.59	0.019	0 00	982,141 64	982138.62	6974123	509479	653.77	62	53	55 50	128	48	48 64	141 74	138 26	131 60
-4500 W	-375	tg97187	12.35	5300 78	0.43	0.016	0 00	982,141 68	982138.64	6974147	509487	653.30	62	53	56 27	128	48	48 08	141 67	138 19	131 54
-4500 W	-350	tg97187	12.28	5300 89	0.71	0.013	0 00	982,141 88	982138.65	6974170	509495	652.33	62	53	57 03	128	48	47 52	141 65	138 18	131 53
-4500 W	-325	tg97187	12.20	5301 52	0.44	0.011	0 05	982,142 46	982138.67	6974194	509503	649 63	62	53	57 80	128	48	48 98	141 69	138 25	131 63
-4500 W	-300	tg97187	12.18	5301 45	0.53	0.009	0 00	982,142 41	982138.68	6974218	509511	650.04	62	53	58 57	128	48	48 40	141 66	138 21	131 58
-4500 W	-275	tg97187	12.10	5301 28	0.61	0.007	0 00	982,142 24	982138.70	6974242	509518	650.89	62	53	59 33	128	48	45 84	141 65	138 19	131 55
-4500 W	-250	tg97187	12.05	5301 43	0.64	0.008	0 00	982,142 42	982138.71	6974265	509526	650.18	62	54	0 09	128	48	45 28	141 67	138 21	131 58
-4500 W	-225	tg97187	11.59	5301 62	0.42	0.001	0 00	982,142 55	982138.73	6974289	509534	648 34	62	54	0 86	128	48	44 72	141 60	138 15	131 53
-4500 W	-200	tg97187	11.55	5302 08	0.41	0.001	0 03	982,143 03	982138.74	6974313	509542	647 61	62	54	1 63	128	48	44 16	141 73	138 30	131 69
-4500 W	-175	tg97187	11.51	5301 67	0.49	0.001	0 00	982,142 83	982138.76	6974336	509550	648 32	62	54	2 39	128	48	43 60	141 64	138 20	131 58
-4500 W	-150	tg97187	11.47	5301 90	0.59	-0.000	0 00	982,142 89	982138.78	6974360	509558	648 03	62	54	3 16	128	48	43 04	141 63	138 20	131 58
-4500 W	-125	tg97187	11.43	5301 81	0.55	-0.002	0 00	982,142 79	982138.79	6974384	509565	648 51	62	54	3 93	128	48	42 48	141 60	138 16	131 54
-4500 W	-100	tg97187	11.38	5301 73	0.60	-0.004	0 01	982,142 71	982138.81	6974408	509573	648 64	62	54	4 69	128	48	41 92	141 55	138 11	131 49
-4500 W	-75	tg97187	11.31	5301 79	0.62	-0.007	0 07	982,142 78	982138.82	6974431	509581	648.70	62	54	5 46	128	48	41 36	141 68	138 25	131 63
-4500 W	-50	tg97187	11.25	5301 79	0.58	-0.009	0 06	982,142 77	982138.84	6974455	509589	648 93	62	54	6 23	128	48	40 80	141 69	138 25	131 64
-4500 W	-25	tg97187	11.19	5301 95	0.63	-0.010	0 07	982,142 95	982138.85	6974479	509597	648 03	62	54	6 99	128	48	40 24	141 69	138 26	131 65
-4500 W	0	tg97187	11.13	5302 04	0.61	-0.013	0 04	982,143 03	982138.87	6974503	509605	647 55	62	54	7 76	128	48	39 68	141 61	138 19	131 57
-4500 W	0	tg97199	11.56	5302 12	0.62	0.049	0 04	982,143 08	982138.87	6974503	509605	647 55	62	54	7 76	128	48	39 68	141 65	138 23	131 62
-4500 W	25	tg97199	12.04	5302 15	0.63	0.051	0 01	982,143 12	982138.89	6974526	509612	647 09	62	54	8 52	128	48	39 12	141 55	138 12	131 51
-4500 W	50	tg97199	12.09	5302 29	0.61	0.052	0 00	982,143 26	982138.90	6974550	509620	646 36	62	54	9 29	128	48	38 56	141 51	138 09	131 48
-4500 W	75	tg97199	12.13	5302 38	0.54	0.052	0 00	982,143 33	982138.92	6974574	509628	645 72	62	54	10 06	128	48	38 00	141 43	138 01	131 41
-4500 W	100	tg97199	12.18	5302 36	0.53	0.053	0 00	982,143 31	982138.93	6974598	509636	645 62	62	54	10 83	128	48	37 44	141 37	138 05	131 35
-4500 W	125	tg97199	12.21	5302 50	0.60	0.053	0 01	982,143 48	982138.95	6974621	509644	644 84	62	54	11 59	128	48	36 88	141 37	138 96	131 37
-4500 W	150	tg97199	12.26	5302 63	0.57	0.054	0 02	982,143 82	982138.96	6974645	509652	643 08	62	54	12 36	128	48	36 32	141 33	135 94	131 36
-4500 W	175	tg97199	12.32	5303 13	0.57	0.054	0 02	982,144 13	982138.98	6974669	509659	641 42	62	54	13 13	128	48	35 78	141 27	135 90	131 33
-4500 W	200	tg97199	12.37	5303 42	0.58	0.054	0 03	982,144 44	982139 00	6974693	509667	639 51	62	54	13 89	128	48	35 20	141 17	135 81	131 26
-4500 W	225	tg97199	12.42	5303 54	0.60	0.054	0 00	982,144 57	982139 01	6974716	509675	639 32	62	54	14 66	128	48	34 64	141 22	135 86	131 30
-4500 W	250	tg97199	12.47	5303 59	0.56	0.054	0 00	982,144 61	982139 03	6974740	509683	639 40	62	54	15 43	128	48	34 08	141 26	135 90	131 34
-4500 W	275	tg97199	12.53	5303 61	0.58	0.054	0 00	982,144 64	982139 04	6974764	509691	639 43	62	54	16 19	128	48	33 52	141 28	135 91	131 36
-4500 W	300	tg97199	12.57	5303 74	0.60	0.054	0 00	982,144 78	982139 08	6974788	509699	639 43	62	54	16 96	128	48	32 96	141 40	136 04	131 48
-4500 W	325	tg97199	13.01	5303 83	0.60	0.054	0 00	982,144 88	982139 07	6974811	509706	639 29	62	54	17 72	128	48	32 40	141 45	136 09	131 54
-4500 W	350	tg97199	13.05	5304 14	0.57	0.054	0 10	982,145 20	982139 09	6974835	509714	637 52	62	54	18 49	128	48	31 84	141 49	136 16	131 62
-4500 W	375	tg97199	13.11	5304 22	0.69	0.053	0 04	982,145 32	982139 11	6974859	509722	637 69	62	54	19 26	128	48	31 28	141 56	136 22	131 68
-4500 W	400	tg97199	13.17	5304 13	0.45	0.052	0 00	982,145 15	982139 12	6974882	509730	638 64	62	54	20 02	128	48	30 72	141 54	136 18	131 63
-4500 W	425	tg97199	13.22	5304 31	0.64	0.052	0 00	982,145 39	982139 14	6974906	509738	638.02	62	54	20 79	128	48	30 16	141 64	136 29	131 74
-4500 W	450	tg97199	13.26	5304 43	0.70	0.051	0 00	982,145 54	982139 15	6974930	509746	637 54	62	54	21 56	128	48	29 60	141 66	136 32	131 77
-4500 W	475	tg97199	13.31	5304 82	0.58	0.051	0 02	982,145 91	982139 17	6974954	509753	635 91	62	54	22 32	128	48	29 04	141 70	136 37	131 64
-4500 W	500	tg97199	13.36	5304 92	0.69	0.050	0 00	982,146 05	982139 18	6974977	509761	635 30	62	54	23 09	128	48	28 48	141 67	136 34	131 81
-4500 W	525	tg97199	13.42	5305 17	0.57	0.049	0 01	982,146 27	982139 20	6975001	509769	634 11	62	54	23 85	128	48	27 92	141 63	136 32	131 80
-4500 W	550	tg97199	13.46	5305 22	0.53	0.048	0 00	982,146 31	982139 21	6975025	509777	633.33	62	54	24 62	128	48	27 38	141 48	136 17	131 66
-4500 W	575	tg97199	13.51	5305 50	0.44	0.048	0 00	982,146 58	982139 23	6975049	509785	632.13	62	54	25 39	128	48	26.60	141 48	136 18	131 67
-4500 W	600	tg97199	13.56	5305 53	0.57	0.048	0 00	982,146 65	982139 25	6975072	509793	631 22	62	54	26 15	128	48	26 24	141 34	136 05	131 55
-4500 W	625	tg97199	14.00	5305 75	0.59	0.045	0 00	982,146 89	982139 26	6975098	509800	630 12	62	54	26 92	128	48	26 68	141 33	136 04	131 55
-4500 W	650	tg97199	14.05	5305 86	0.53	0.044	0 00	982,146 98	982139 28	6975120	509808	629 42	62	54	27 69	128	48	25 12	141 26	135 88	131 50
-4500 W	675	tg97199	14.09	5305 96	0.47	0.043	0 00	982,147 07	982139 29	6975144	509816	629 03	62	54	28 45	128	48	24 56	141 25	135 97	131 49
-4500 W	700	tg97199	14.14	5308 15	0.68	0.042	0 00	982,147 33	982139 31	6975187	509824	628.08	62	54	29 22	128	48	24 00	141 26	136 02	131 54
-4500 W	725																				

-4700 W	-1025	tg97187	15.52	5289.24	0.58	0.028	0.00	982,140.13	982138.27	6973590	508088	688 63	62 53	38.32	128 49	15.75	143.74	138.13	133.37
-4700 W	-1025	tg97188	7.56	5289.30	0.65	-0.073	0.00	982,140.14	982138.27	6973590	508088	688 63	62 53	38.32	128 49	15.75	143.74	138.14	133.37
-4700 W	-1000	tg97188	8.05	5289.44	0.48	-0.072	0.00	982,140.23	982138.28	6973614	508108	687 04	62 53	39.09	128 49	15.19	143.48	137.89	133.14
-4700 W	-975	tg97187	15.59	5289.37	0.41	0.029	0.00	982,140.21	982138.30	6973638	509113	688 14	62 53	39.88	128 49	14.64	143.68	138.08	133.32
-4700 W	-950	tg97187	16.04	5289.49	0.54	0.026	0.00	982,140.38	982138.32	6973661	509121	687 24	62 53	40.62	128 49	14.09	143.64	138.05	133.29
-4700 W	-950	tg97188	8.11	5289.60	0.49	-0.071	0.00	982,140.40	982138.32	6973661	509121	687 24	62 53	40.62	128 49	14.09	143.67	138.07	133.32
-4700 W	-925	tg97187	16.10	5289.43	0.60	0.025	0.00	982,140.33	982138.33	6973685	509129	687.21	62 53	41.39	128 49	13.54	143.57	137.98	133.22
-4700 W	-925	tg97188	8.17	5289.53	0.60	-0.070	0.00	982,140.37	982138.33	6973685	509129	687.21	62 53	41.39	128 49	13.54	143.61	138.01	133.26
-4700 W	-900	tg97187	16.15	5289.37	0.65	0.024	0.00	982,140.28	982138.35	6973709	509137	687 43	62 53	42.16	128 49	12.99	143.65	137.96	133.20
-4700 W	-875	tg97188	8.24	5289.54	0.52	-0.069	0.01	982,140.35	982138.36	6973733	509144	688 75	62 53	42.93	128 49	12.43	143.47	137.89	133.13
-4700 W	-875	tg97187	16.20	5289.45	0.62	0.023	0.01	982,140.36	982138.36	6973733	509144	688 75	62 53	42.93	128 49	12.43	143.48	137.89	133.14
-4700 W	-850	tg97187	16.25	5289.34	0.61	0.022	0.02	982,140.24	982138.38	6973756	509152	687 01	62 53	43.69	128 49	11.88	143.41	137.82	133.07
-4700 W	-825	tg97187	16.31	5289.41	0.41	0.020	0.03	982,140.25	982138.39	6973780	509160	688 60	62 53	44.46	128 49	11.33	143.33	137.74	133.00
-4700 W	-800	tg97188	8.32	5289.59	0.59	-0.068	0.03	982,140.43	982138.41	6973804	509168	685 43	62 53	45.23	128 49	10.78	143.25	137.67	132.83
-4700 W	-775	tg97188	8.53	5289.68	0.52	-0.065	0.03	982,140.50	982138.43	6973828	509175	684 81	62 53	46.00	128 49	10.23	143.17	137.60	132.87
-4700 W	-750	tg97188	8.58	5289.91	0.41	-0.065	0.02	982,140.71	982138.44	6973852	509183	683 16	62 53	46.78	128 49	9.67	143.00	137.45	132.72
-4700 W	-725	tg97188	9.09	5300.05	0.50	-0.061	0.08	982,140.89	982138.46	6973875	509191	681 99	62 53	47.53	128 49	9.12	142.96	137.42	132.71
-4700 W	-700	tg97188	9.17	5300.19	0.63	-0.060	0.08	982,141.04	982138.47	6973899	509198	680 99	62 53	48.30	128 49	8.57	142.89	137.36	132.65
-4700 W	-675	tg97188	9.23	5300.46	0.59	-0.058	0.08	982,141.35	982138.49	6973923	509206	689 05	62 53	49.07	128 49	8.02	142.79	137.27	132.58
-4700 W	-650	tg97188	9.29	5300.82	0.62	-0.057	0.04	982,141.74	982138.50	6973947	509214	657 41	62 53	49.83	128 49	7.46	142.77	137.26	132.58
-4700 W	-625	tg97188	9.33	5301.04	0.56	-0.056	0.02	982,141.95	982138.52	6973970	509222	658 03	62 53	50.60	128 49	6.91	142.65	137.15	132.48
-4700 W	-600	tg97188	9.38	5301.26	0.67	-0.055	0.00	982,142.22	982138.54	6973994	509229	654 47	62 53	51.37	128 49	6.38	142.55	137.06	132.40
-4700 W	-575	tg97188	9.43	5301.47	0.60	-0.053	0.00	982,142.42	982138.55	6974018	509237	653 00	62 53	52.14	128 49	5.81	142.42	136.95	132.28
-4700 W	-550	tg97188	9.48	5301.75	0.57	-0.052	0.05	982,142.70	982138.57	6974042	509245	651 64	62 53	52.90	128 49	5.26	142.46	137.00	132.36
-4700 W	-525	tg97188	9.54	5301.72	0.54	-0.052	0.00	982,142.66	982138.58	6974066	509252	651 87	62 53	53.67	128 49	4.70	142.40	136.93	132.29
-4700 W	-500	tg97188	9.59	5301.83	0.60	-0.052	0.00	982,142.80	982138.60	6974089	509260	651 50	62 53	54.44	128 49	4.15	142.44	136.97	132.33
-4700 W	-475	tg97188	10.04	5302.04	0.59	-0.048	0.00	982,143.02	982138.61	6974113	509268	650 72	62 53	55.21	128 49	3.60	142.48	137.02	132.38
-4700 W	-450	tg97188	10.10	5302.10	0.54	-0.047	0.00	982,143.07	982138.63	6974137	509276	650 25	62 53	55.97	128 49	3.05	142.41	136.96	132.32
-4700 W	-425	tg97188	10.15	5302.19	0.48	-0.046	0.00	982,143.14	982138.65	6974161	509283	649 83	62 53	56.74	128 49	2.50	142.38	136.93	132.30
-4700 W	-400	tg97188	10.25	5302.26	0.56	-0.043	0.00	982,143.24	982138.66	6974184	509291	649 50	62 53	57.51	128 49	1.94	142.40	136.95	132.32
-4700 W	-375	tg97188	10.29	5302.21	0.52	-0.041	0.00	982,143.18	982138.68	6974208	509299	649 59	62 53	58.28	128 49	1.39	142.34	136.89	132.26
-4700 W	-350	tg97188	10.33	5302.24	0.50	-0.040	0.00	982,143.21	982138.69	6974232	509307	649 26	62 53	59.04	128 49	0.84	142.28	136.83	132.21
-4700 W	-300	tg97188	10.42	5302.68	0.58	-0.037	0.02	982,143.69	982138.72	6974280	509322	646 76	62 54	0.57	128 48	59.74	142.22	136.80	132.19
-4700 W	-275	tg97188	10.48	5303.20	0.59	-0.038	0.04	982,144.25	982138.74	6974303	509330	643 99	62 54	1.34	128 48	59.19	142.20	136.80	132.22
-4700 W	-250	tg97188	10.55	5303.11	0.60	-0.035	0.00	982,144.16	982138.75	6974327	509337	644 20	62 54	2.11	128 48	58.64	142.09	136.69	132.10
-4700 W	-225	tg97188	11.00	5302.78	0.54	-0.032	0.00	982,143.79	982138.77	6974351	509345	645 31	62 54	2.88	128 48	58.09	141.95	136.54	131.94
-4700 W	-200	tg97188	11.06	5302.94	0.62	-0.030	0.03	982,143.99	982138.79	6974375	509353	644 35	62 54	3.64	128 48	57.53	141.86	136.56	131.97
-4700 W	-175	tg97188	11.10	5303.48	0.57	-0.029	0.08	982,144.54	982138.80	6974398	509361	641 87	62 54	4.41	128 48	56.98	141.98	136.61	132.05
-4700 W	-150	tg97188	11.18	5303.69	0.59	-0.027	0.09	982,144.77	982138.82	6974422	509368	640 68	62 54	5.18	128 48	56.43	142.00	136.64	132.08
-4700 W	-125	tg97188	11.22	5303.99	0.53	-0.024	0.03	982,145.07	982138.83	6974446	509376	639 34	62 54	5.95	128 48	55.88	141.93	136.57	132.02
-4700 W	-100	tg97188	11.27	5304.66	0.40	-0.023	0.01	982,145.74	982138.85	6974470	509384	636 68	62 54	6.71	128 48	55.33	141.89	136.65	132.11
-4700 W	-75	tg97188	11.33	5304.85	0.52	-0.021	0.00	982,145.97	982138.86	6974493	509392	635 74	62 54	7.48	128 48	54.77	142.00	136.67	132.14
-4700 W	-50	tg97188	11.38	5304.78	0.59	-0.020	0.02	982,145.90	982138.88	6974517	509399	636 21	62 54	8.25	128 48	54.22	142.04	136.71	132.17
-4700 W	-50	tg97200	10.09	5304.91	0.52	-0.002	0.02	982,145.92	982138.88	6974517	509399	636 21	62 54	8.25	128 48	54.22	142.06	136.72	132.19
-4700 W	-50	tg97199	16.13	5304.90	0.54	-0.003	0.02	982,145.94	982138.88	6974517	509399	636 21	62 54	8.25	128 48	54.22	142.07	136.74	132.21
-4700 W	-25	tg97199	16.07	5304.59	0.59	-0.001	0.04	982,145.63	982138.90	6974541	509407	638 00	62 54	9.02	128 48	53.67	142.15	136.81	132.26
-4700 W	-25	tg97198	11.44	5304.53	0.54	-0.018	0.04	982,145.65	982138.90	6974541	509407	638 00	62 54	9.02	128 48	53.67	142.17	136.83	132.28
-4700 W	-25	tg97190	16.33	5304.63	0.60	-0.005	0.04	982,145.65	982138.90	6974541	509407	638 00	62 54	9.02	128 48	53.67	142.17	136.83	132.28
-4700 W	-25	tg97200	10.14	5304.63	0.60	-0.001	0.04	982,145.65	982138.90	6974541	509407	638 00	62 54	9.02	128 48	53.67	142.18	136.83	132.29
-4700 W	0	tg97190	16.28	5304.08	0.65	-0.005	0.01	982,145.15	982138.91	6974565	509415	640 73	62 54	9.78	128 48	53.12	142.20	136.83	132.26
-4700																			

-4700 W	250	tg97200	11 16	5304.88	0.58	0.027	0.05	982,145.72	982139 07	6974803	509492	636 77	62 54	17 46	128 48	47 80	141 82	138.49	131.96
-4700 W	275	tg97200	11 30	5304.84	0.63	0.032	0.08	982,145.70	982139 08	6974826	509500	636 36	62 54	18.23	128 48	47 04	141 73	138.40	131.88
-4700 W	300	tg97200	11 34	5304.88	0.77	0.033	0.09	982,145.78	982139 10	6974850	509507	634 57	62 54	19.00	128 48	46 49	141 43	138 12	131 61
-4700 W	325	tg97200	11 40	5305.05	0.61	0.035	0.16	982,146.13	982139 12	6974874	509515	630 11	62 54	19.77	128 48	45 94	140 89	135.83	131 15
-4700 W	350	tg97200	11 46	5305.90	0.54	0.037	0.13	982,147.00	982139 13	6974898	509523	627 32	62 54	20.53	128 48	45 39	141 12	135.88	131 42
-4700 W	375	tg97200	11 51	5308.41	0.53	0.038	0.08	982,147.53	982139 15	6974921	509531	625 25	62 54	21.30	128 48	44 84	141 15	135.91	131 46
-4700 W	400	tg97200	11 56	5308.88	0.70	0.038	0.11	982,147.85	982139 16	6974945	509538	623 23	62 54	22.07	128 48	44 28	141 05	135.84	131 41
-4700 W	425	tg97200	12.01	5307.10	0.55	0.041	0.02	982,148.27	982139 18	6974969	509546	622 99	62 54	22.84	128 48	43 73	141 30	138.08	131 64
-4700 W	450	tg97200	12.06	5307.17	0.42	0.043	0.00	982,148.30	982139 19	6974993	509554	622 99	62 54	23.60	128 48	43 18	141 30	138.07	131 63
-4700 W	475	tg97200	12.10	5307.18	0.51	0.044	0.00	982,148.34	982139 21	6975017	509562	622 63	62 54	24.37	128 48	42.63	141 24	136.02	131.59
-4700 W	500	tg97200	12.13	5307.12	0.58	0.045	0.01	982,148.30	982139 23	6975040	509569	622 90	62 54	25.14	128 48	42 07	141 26	138.03	131.80
-4700 W	525	tg97200	12.17	5307.10	0.53	0.045	0.01	982,148.26	982139 24	6975064	509577	623.00	62 54	25.91	128 48	41 52	141 22	138.00	131.56
-4700 W	550	tg97200	12.21	5307.10	0.71	0.046	0.01	982,148.32	982139 26	6975088	509585	622.76	62 54	26.67	128 48	40 97	141 22	138.00	131.58
-4700 W	575	tg97200	12.25	5307.21	0.62	0.047	0.01	982,148.41	982139 27	6975112	509592	622.23	62 54	27.44	128 48	40 42	141 17	135.98	131.53
-4700 W	600	tg97200	12.28	5307.28	0.60	0.048	0.01	982,148.49	982139 29	6975135	509600	621.76	62 54	28.21	128 48	39 86	141 14	135.93	131 50
-4700 W	625	tg97200	12.32	5307.55	0.44	0.048	0.01	982,148.71	982139 30	6975159	509608	620.87	62 54	28.98	128 48	39 31	141.16	135.95	131.53
-4700 W	650	tg97200	12.38	5307.59	0.62	0.049	0.00	982,148.81	982139 32	6975183	509616	620.58	62 54	29.74	128 48	38.76	141 17	135.96	131.54
-4700 W	675	tg97200	12.40	5307.89	0.60	0.050	0.00	982,148.91	982139 34	6975207	509623	620.24	62 54	30.51	128 48	38.21	141 18	135.98	131.56
-4700 W	700	tg97200	12.44	5307.80	0.54	0.050	0.00	982,149.01	982139 35	6975231	509631	619.62	62 54	31.28	128 48	37.66	141 13	135.93	131 52
-4700 W	725	tg97200	12.48	5308.08	0.47	0.051	0.00	982,149.28	982139 37	6975254	509639	618.34	62 54	32.05	128 48	37.10	141.12	135.93	131 52
-4700 W	750	tg97200	12.52	5307.87	0.68	0.051	0.00	982,149.12	982139 38	6975278	509646	618.72	62 54	32.81	128 48	36.55	141 02	135.84	131 43
-4700 W	775	tg97200	12.56	5308.04	0.42	0.051	0.00	982,149.22	982139 40	6975302	509654	618.20	62 54	33.58	128 48	36.00	141 00	135.81	131 41
-4700 W	800	tg97200	13 00	5309.17	0.60	0.052	0.00	982,149.41	982139 41	6975326	509662	617.38	62 54	34.35	128 48	35.45	141 00	135.82	131 42
-4700 W	825	tg97200	13 04	5308.42	0.50	0.052	0.00	982,149.85	982139 43	6975349	509670	618.46	62 54	35.12	128 48	34.89	141 02	135.85	131 46
-4700 W	850	tg97200	13 08	5308.57	0.61	0.052	0.00	982,149.84	982139 45	6975373	509677	615.71	62 54	35.88	128 48	34.34	141 04	135.87	131 49
-4700 W	875	tg97200	13 12	5308.74	0.62	0.052	0.00	982,150.02	982139 46	6975397	509685	614.80	62 54	36.65	128 48	33.79	141 01	135.85	131 47
-4700 W	900	tg97200	13.16	5308.87	0.53	0.053	0.00	982,150.13	982139 48	6975421	509693	613.88	62 54	37.42	128 48	33.24	140.91	135.76	131 39
-4900 W	-1025	tg97188	7 39	5298.77	0.48	-0.029	0.09	982,139.41	982138 31	6973852	508908	674.22	62 53	40.33	128 49	29.20	144 26	138.61	133 62
-4900 W	-1025	tg97197	16 18	5298.78	0.48	-0.037	0.09	982,139.42	982138 31	6973852	508908	674.22	62 53	40.33	128 49	29.20	144 27	138.63	133 63
-4900 W	-1025	tg97189	13 02	5298.70	0.63	-0.011	0.09	982,139.43	982138 31	6973852	508908	674.22	62 53	40.33	128 49	29.20	144 28	138.63	133 64
-4900 W	-1025	tg97188	16 25	5298.72	0.51	0.017	0.09	982,139.43	982138 31	6973852	508908	674.22	62 53	40.33	128 49	29.20	144 28	138.64	133 64
-4900 W	-1000	tg97188	16.17	5298.95	0.50	0.018	0.08	982,139.67	982138.33	6973878	508915	672.91	62 53	41.10	128 49	28.65	144 20	138.56	133 77
-4900 W	-1000	tg97188	16.33	5298.98	0.50	0.015	0.06	982,139.67	982138.33	6973876	508915	672.91	62 53	41.10	128 49	28.65	144 20	138.56	133 77
-4900 W	-975	tg97188	16 11	5299.20	0.43	0.019	0.05	982,139.91	982138.34	6973899	508923	671.42	62 53	41.87	128 49	28.10	144 10	138.47	133 69
-4900 W	-975	tg97188	16 41	5298.18	0.59	0.014	0.05	982,139.93	982138.34	6973899	508923	671.42	62 53	41.87	128 49	28.10	144 11	138.48	133 70
-4900 W	-950	tg97188	16 05	5299.67	0.52	0.020	0.02	982,140.44	982138.38	6973723	508931	669.10	62 53	42.64	128 49	27.55	144 08	138.47	133 70
-4900 W	-925	tg97188	15 58	5299.97	0.52	0.021	0.05	982,140.77	982138.37	6973747	508939	667.37	62 53	43.41	128 49	27.00	144 08	138.47	133.72
-4900 W	-900	tg97188	15 51	5300.21	0.63	0.021	0.05	982,141.06	982138.39	6973771	508946	665.93	62 53	44.17	128 49	26.44	144 03	138.45	133 71
-4900 W	-875	tg97188	15 48	5300.40	0.57	0.021	0.05	982,141.24	982138.40	6973794	508954	664.85	62 53	44.94	128 49	25.89	143.97	138.40	133.68
-4900 W	-850	tg97188	15 39	5300.37	0.55	0.022	0.03	982,141.21	982138.42	6973818	508962	664.40	62 53	45.71	128 49	25.34	143.80	138.23	133 50
-4900 W	-825	tg97188	15 34	5300.32	0.56	0.023	0.11	982,141.16	982138.44	6973842	508970	664.17	62 53	46.48	128 49	24.79	143.78	138.22	133 50
-4900 W	-800	tg97188	15 26	5300.20	0.67	0.023	0.29	982,141.07	982138.45	6973866	508977	664.33	62 53	47.24	128 49	24.24	143.91	138.37	133 66
-4900 W	-775	tg97188	15 19	5299.97	0.68	0.023	0.28	982,140.84	982138.47	6973890	508985	665.25	62 53	48.01	128 49	23.69	143.85	138.30	133 58
-4900 W	-750	tg97188	15 12	5300.31	0.62	0.023	0.22	982,141.17	982138.48	6973913	508993	663.35	62 53	48.78	128 49	23.13	143.70	138.16	133 45
-4900 W	-725	tg97188	15 05	5300.67	0.67	0.023	0.13	982,141.57	982138.50	6973937	509000	661.31	62 53	49.55	128 49	22.58	143.54	138.01	133 31
-4900 W	-700	tg97188	14 58	5301.07	0.65	0.023	0.09	982,142.00	982138.51	6973961	509008	659.25	62 53	50.31	128 49	22.03	143.47	137.96	133 26
-4900 W	-675	tg97188	14 50	5301.56	0.52	0.023	0.06	982,142.48	982138.53	6973985	509016	656.71	62 53	51.08	128 49	21.48	143.36	137.86	133 19
-4900 W	-650	tg97188	14 42	5301.95	0.62	0.022	0.07	982,142.92	982138.55	6974008	509024	654.42	62 53	51.85	128 49	20.93	143.31	137.84	133 18
-4900 W	-625	tg97188	14 30	5302.06	0.49	0.021	0.04	982,143.02	982138.56	6974032	509031	652.46	62 53	52.62	128 49	20.38	142.95	137.48	132.84
-4900 W	-600	tg97188	14 24	5302.25	0.56	0.020	0.00	982,143.22	982138.58	6974056	509039	651.57	62 53	53.38					

-4900 W	-275	tg97188	13.18	5302.82	0.66	0.009	0.03	982,143.88	982138.78	6974385	509140	649 57	62 54	3.38	128 49	12.65	142.98	137.52	132.89
-4900 W	-250	tg97188	13.11	5303.28	0.64	0.007	0.11	982,144.33	982138.80	6974389	509147	647 26	62 54	4 12	128 49	12.10	143.00	137.59	132.98
-4900 W	-225	tg97188	13.08	5303.78	0.59	0.006	0.03	982,144.87	982138.81	6974413	509155	644 47	62 54	4 89	128 49	11.55	142.84	137.43	132.84
-4900 W	-200	tg97188	13.01	5304.13	0.62	0.005	0.00	982,145.24	982138.83	6974436	509163	643 11	62 54	5 68	128 49	10.89	142.67	137.48	132.90
-4900 W	-175	tg97188	12.56	5304.09	0.59	0.002	0.00	982,145.20	982138.84	6974460	509178	642 70	62 54	6 43	128 49	10.44	142.73	137.34	132.76
-4900 W	-150	tg97188	12.52	5304.16	0.52	0.002	0.00	982,145.26	982138.86	6974484	509178	642 21	62 54	7 19	128 49	9.89	142.67	137.28	132.71
-4900 W	-125	tg97188	12.46	5304.30	0.50	0.001	0.02	982,145.40	982138.87	6974508	509186	641 58	62 54	7 98	128 49	9.33	142.68	137.30	132.73
-4900 W	-100	tg97188	12.40	5304.40	0.60	-0.001	0.07	982,145.54	982138.89	6974532	509194	640 47	62 54	8.73	128 49	8.78	142.62	137.26	132.70
-4900 W	-75	tg97188	12.34	5305.04	0.65	-0.002	0.09	982,146.23	982138.91	6974555	509201	638 82	62 54	9 50	128 49	8.23	142.55	137.22	132.69
-4900 W	-50	tg97188	12.28	5305.41	0.66	-0.004	0.04	982,146.62	982138.92	6974579	509209	634 70	62 54	10.27	128 49	7.68	142.42	137.10	132.58
-4900 W	-25	tg97188	12.21	5305.88	0.67	-0.006	0.07	982,147.12	982138.94	6974603	509217	631 99	62 54	11.04	128 49	7.13	142.36	137.06	132.57
-4900 W	-25	tg97190	18.18	5308.04	0.65	-0.005	0.07	982,147.15	982138.94	6974603	509217	631 99	62 54	11.04	128 49	7.13	142.39	137.10	132.60
-4900 W	0	tg97190	18.11	5308.52	0.53	-0.004	0.03	982,147.61	982138.95	6974627	509225	629 83	62 54	11.60	128 49	6.57	142.34	137.08	132.57
-4900 W	0	tg97199	7.42	5308.58	0.54	-0.048	0.03	982,147.62	982138.95	6974627	509225	629 83	62 54	11.60	128 49	6.57	142.34	137.08	132.58
-4900 W	0	tg97188	18.08	5308.53	0.52	-0.018	0.03	982,147.62	982138.95	6974627	509225	629 83	62 54	11.80	128 49	6.57	142.34	137.08	132.58
-5100 W	-1400	tg97189	13.52	5298.37	0.73	0.000	0.39	982,157.02	982138.12	6973357	508602	690 01	62 53	30.84	128 49	5.94	145.76	140.02	135.13
-5100 W	-1375	tg97189	13.58	5295.30	0.56	0.000	0.38	982,155.84	982138.13	6973381	508609	695 68	62 53	31.60	128 49	5.39	145.76	139.98	135.04
-5100 W	-1350	tg97189	14.04	5283.98	0.67	0.002	0.48	982,154.47	982138.15	6973405	508617	702 02	62 53	32.37	128 49	4.84	145.81	139.97	135.01
-5100 W	-1325	tg97189	14.11	5282.60	0.68	0.003	0.44	982,153.04	982138.16	6973428	508625	708 55	62 53	33.14	128 49	4.29	145.73	138.63	134.82
-5100 W	-1300	tg97189	14.18	5281.35	0.66	0.005	0.48	982,151.73	982138.18	6973452	508632	715 47	62 53	33.91	128 49	4.73	145.92	138.86	134.91
-5100 W	-1275	tg97189	14.25	5280.41	0.65	0.006	0.33	982,150.74	982138.19	6973476	508640	719 16	62 53	34.67	128 49	4.18	145.52	139.52	134.43
-5100 W	-1250	tg97189	14.31	5289.58	0.68	0.006	0.22	982,129.88	982138.21	6973500	508648	723.25	62 53	35.44	128 49	4.63	145.39	139.35	134.21
-5100 W	-1225	tg97189	14.38	5289.08	0.71	0.007	0.11	982,129.36	982138.23	6973523	508656	725 65	62 53	36.21	128 49	4.08	145.23	139.16	134.00
-5100 W	-1200	tg97189	14.41	5288.74	0.68	0.007	0.03	982,129.00	982138.24	6973547	508663	727 22	62 53	36.98	128 49	4.63	145.09	139.00	133.82
-5100 W	-1175	tg97189	14.48	5288.59	0.57	0.008	0.05	982,128.81	982138.26	6973571	508671	727 81	62 53	37.74	128 49	4.88	145.04	138.94	133.78
-5100 W	-1150	tg97189	14.51	5288.85	0.63	0.008	0.21	982,128.10	982138.27	6973595	508679	728 21	62 53	38.51	128 49	4.42	145.16	139.09	133.93
-5100 W	-1125	tg97189	14.56	5289.93	0.62	0.008	0.33	982,120.23	982138.29	6973619	508687	720 67	62 53	39.28	128 49	4.87	145.24	139.23	134.12
-5100 W	-1125	tg97189	13.33	5289.94	0.70	-0.003	0.33	982,130.25	982138.28	6973619	508687	720 67	62 53	39.28	128 49	4.87	145.25	139.24	134.14
-5100 W	-1100	tg97189	13.26	5281.51	0.60	-0.005	0.32	982,131.86	982138.30	6973642	508694	713 05	62 53	40.05	128 49	4.32	145.23	139.28	134.23
-5100 W	-1075	tg97189	13.20	5282.88	0.64	-0.007	0.33	982,131.31	982138.32	6973668	508702	708 34	62 53	40.81	128 49	4.77	145.25	139.38	134.35
-5100 W	-1050	tg97189	13.14	5283.90	0.68	-0.008	0.24	982,134.40	982138.34	6973690	508710	700 85	62 53	41.58	128 49	4.22	145.05	139.20	134.22
-5100 W	-1025	tg97190	7.39	5294.79	0.60	-0.081	0.17	982,135.23	982138.35	6973714	508717	698.59	62 53	42.35	128 49	4.67	144.88	139.06	134.11
-5100 W	-1025	tg97189	15.04	5294.75	0.50	0.009	0.17	982,135.27	982138.35	6973714	508717	698.59	62 53	42.35	128 49	4.67	144.92	139.09	134.14
-5100 W	-1025	tg97189	17.36	5294.75	0.58	-0.004	0.17	982,135.29	982138.35	6973714	508717	698.59	62 53	42.35	128 49	4.67	144.94	139.12	134.17
-5100 W	-1000	tg97189	15.12	5295.38	0.58	0.009	0.09	982,135.95	982138.37	6973737	508725	693.09	62 53	43.12	128 49	42.12	144.75	138.95	134.02
-5100 W	-975	tg97189	15.17	5295.96	0.62	0.010	0.17	982,136.58	982138.38	6973761	508733	690.08	62 53	43.88	128 49	41.56	144.81	139.04	134.14
-5100 W	-950	tg97190	7.49	5287.10	0.56	-0.060	0.10	982,137.65	982138.40	6973785	508741	684.21	62 53	44.65	128 49	41.01	144.55	138.82	133.95
-5100 W	-950	tg97189	15.23	5287.03	0.55	0.010	0.10	982,137.68	982138.40	6973785	508741	684.21	62 53	44.65	128 49	41.01	144.58	138.85	133.98
-5100 W	-925	tg97189	15.31	5287.61	0.64	0.010	0.07	982,138.32	982138.41	6973809	508748	681.05	62 53	45.42	128 49	40.46	144.49	138.79	133.94
-5100 W	-900	tg97189	15.40	5288.21	0.62	0.010	0.08	982,138.94	982138.43	6973833	508756	677.29	62 53	46.19	128 49	39.91	144.29	138.62	133.80
-5100 W	-875	tg97189	15.47	5288.63	0.64	0.010	0.06	982,139.60	982138.44	6973856	508764	674.08	62 53	46.95	128 49	39.36	144.26	138.61	133.81
-5100 W	-850	tg97189	15.55	5289.26	0.52	0.010	0.03	982,140.02	982138.48	6973880	508772	671.93	62 53	47.72	128 49	38.81	144.16	138.53	133.75
-5100 W	-825	tg97190	8.00	5289.98	0.60	-0.060	0.07	982,140.69	982138.48	6973904	508779	668.78	62 53	48.49	128 49	38.25	144.20	138.60	133.84
-5100 W	-825	tg97189	16.00	5289.92	0.57	0.009	0.07	982,140.73	982138.48	6973904	508779	668.78	62 53	48.49	128 49	38.25	144.24	138.64	133.88
-5100 W	-800	tg97189	16.05	5289.90	0.54	0.009	0.08	982,140.70	982138.49	6973928	508787	668.61	62 53	49.26	128 49	37.70	144.19	138.59	133.82
-5100 W	-775	tg97189	16.11	5300.03	0.64	0.009	0.04	982,140.86	982138.51	6973951	508795	667.81	62 53	50.02	128 49	37.15	144.10	138.51	133.75
-5100 W	-750	tg97189	16.16	5299.93	0.63	0.008	0.08	982,140.82	982138.52	6973975	508802	667.39	62 53	50.79	128 49	36.60	144.00	138.41	133.86
-5100 W	-725	tg97189	16.22	5300.03	0.69	0.008	0.13	982,140.88	982138.54	6973999	508810	667.06	62 53	51.56	128 49	36.05	144.03	138.45	133.71
-5100 W	-700	tg97189	16.27	5300.07	0.67	0.007	0.22	982,140.91	982138.55	6974023	508818	666.81	62 53	52.33	128 49	35.50	144.10	138.53	133.80
-5100 W	-675	tg97189	16.33	5300.41	0.53	0.007	0.20	982,141.23	982138.57	6974048	508826	665.23	62 53	53.10	128 49	34.94	144.04	138.	

-5100 W	-350	tg97190	8.55	5303.37	0.60	-0.059	0.03	982,144.26	982138.77	6974356	508926	648.90	62	54	3.07	128	49	27.77	143.20	137.78	133.14
-5100 W	-325	tg97190	9.02	5303.67	0.64	-0.058	0.04	982,144.58	982138.79	6974379	508934	647.68	62	54	3.84	128	49	27.22	143.26	137.84	133.23
-5100 W	-300	tg97190	9.07	5304.00	0.60	-0.058	0.03	982,144.92	982138.81	6974403	508942	648.95	62	54	4.60	128	49	26.67	143.42	138.00	133.39
-5100 W	-275	tg97190	9.13	5304.12	0.56	-0.058	0.01	982,145.03	982138.82	6974427	508949	646.27	62	54	5.37	128	49	26.12	143.35	137.83	133.33
-5100 W	-250	tg97190	9.18	5304.27	0.52	-0.057	0.01	982,145.18	982138.84	6974451	508957	644.92	62	54	6.14	128	49	25.56	143.20	137.79	133.19
-5100 W	-225	tg97190	9.23	5304.37	0.50	-0.057	0.00	982,145.28	982138.85	6974474	508965	643.54	62	54	6.91	128	49	25.01	142.97	137.58	132.89
-5100 W	-200	tg97190	9.28	5304.47	0.49	-0.057	0.00	982,145.38	982138.87	6974498	508972	642.93	62	54	7.67	128	49	24.48	142.93	137.54	132.98
-5100 W	-175	tg97190	9.34	5304.60	0.67	-0.057	0.00	982,145.57	982138.88	6974522	508980	642.27	62	54	8.44	128	49	23.91	142.97	137.58	133.01
-5100 W	-150	tg97190	9.40	5304.74	0.60	-0.056	0.00	982,145.70	982138.90	6974546	508988	641.69	62	54	9.21	128	49	23.36	142.98	137.58	133.00
-5100 W	-125	tg97190	9.45	5304.77	0.53	-0.058	0.01	982,145.71	982138.92	6974570	508996	641.58	62	54	9.98	128	49	22.80	142.94	137.58	132.89
-5100 W	-100	tg97190	9.50	5304.73	0.57	-0.055	0.05	982,145.68	982138.93	6974593	508003	641.47	62	54	10.75	128	49	22.25	142.92	137.54	132.88
-5100 W	-75	tg97190	9.58	5304.13	0.69	-0.055	0.11	982,145.09	982138.95	6974617	508011	643.70	62	54	11.52	128	49	21.70	142.85	137.48	132.89
-5100 W	-50	tg97190	10.03	5304.62	0.65	-0.054	0.16	982,145.59	982138.96	6974641	508019	641.19	62	54	12.28	128	49	21.15	142.89	137.53	132.88
-5100 W	-25	tg97190	10.09	5305.35	0.65	-0.053	0.15	982,146.36	982138.98	6974665	508026	637.34	62	54	13.05	128	49	20.60	142.79	137.46	132.83
-5100 W	0	tg97190	10.17	5306.39	0.65	-0.052	0.13	982,147.46	982138.99	6974688	508034	632.29	62	54	13.82	128	49	20.05	142.77	137.48	132.89
-5100 W	0	tg97190	14.43	5306.34	0.66	-0.008	0.13	982,147.46	982138.99	6974688	508034	632.29	62	54	13.82	128	49	20.05	142.78	137.49	132.89
-5100 W	25	tg97190	10.22	5307.14	0.62	-0.052	0.11	982,148.24	982139.01	6974712	508042	628.47	62	54	14.59	128	49	19.49	142.70	137.44	132.88
-5100 W	50	tg97190	10.29	5307.90	0.57	-0.050	0.07	982,149.02	982139.03	6974736	508050	624.54	62	54	15.35	128	49	18.94	142.59	137.36	132.92
-5100 W	75	tg97190	10.38	5308.40	0.65	-0.049	0.08	982,149.57	982139.04	6974760	508057	621.18	62	54	16.12	128	49	18.39	142.40	137.20	132.78
-5100 W	100	tg97190	10.42	5308.57	0.46	-0.049	0.10	982,149.69	982139.06	6974784	508065	619.89	62	54	16.89	128	49	17.84	142.26	137.09	132.68
-5100 W	125	tg97190	10.55	5308.72	0.59	-0.048	0.00	982,149.89	982139.07	6974807	508073	619.04	62	54	17.66	128	49	17.29	142.17	136.98	132.57
-5100 W	150	tg97190	11.00	5308.96	0.65	-0.048	0.00	982,150.16	982139.09	6974831	508081	618.74	62	54	18.42	128	49	16.73	142.38	137.18	132.77
-5100 W	175	tg97190	11.07	5308.97	0.54	-0.045	0.00	982,150.14	982139.10	6974855	508088	618.70	62	54	19.19	128	49	16.18	142.32	137.13	132.72
-5100 W	200	tg97190	11.11	5309.17	0.58	-0.044	0.01	982,150.37	982139.12	6974879	508096	617.33	62	54	19.96	128	49	15.63	142.25	137.07	132.67
-5100 W	225	tg97190	11.16	5309.48	0.55	-0.043	0.01	982,150.68	982139.14	6974902	508104	614.98	62	54	20.73	128	49	15.08	142.04	136.89	132.51
-5100 W	250	tg97190	11.22	5309.33	0.60	-0.043	0.00	982,150.54	982139.15	6974926	508111	614.83	62	54	21.49	128	49	14.53	141.85	136.69	132.31
-5100 W	275	tg97190	11.26	5309.42	0.57	-0.042	0.00	982,150.63	982139.17	6974950	508119	613.80	62	54	22.26	128	49	13.97	141.70	136.55	132.18
-5100 W	300	tg97190	11.30	5309.53	0.56	-0.041	0.00	982,150.74	982139.18	6974974	508127	612.87	62	54	23.03	128	49	13.42	141.60	136.46	132.09
-5100 W	325	tg97190	11.35	5309.62	0.61	-0.040	0.00	982,150.85	982139.20	6974998	508135	611.90	62	54	23.80	128	49	12.87	141.49	136.36	132.00
-5100 W	350	tg97190	11.40	5309.60	0.57	-0.039	0.00	982,150.82	982139.21	6975021	508142	611.44	62	54	24.56	128	49	12.32	141.34	136.22	131.88
-5100 W	375	tg97190	11.46	5309.73	0.58	-0.038	0.00	982,150.96	982139.23	6975045	508150	610.63	62	54	25.33	128	49	11.77	141.30	136.16	131.63
-5100 W	400	tg97190	11.53	5309.78	0.61	-0.038	0.00	982,151.02	982139.25	6975069	508158	610.22	62	54	26.10	128	49	11.21	141.26	136.14	131.79
-5100 W	425	tg97190	11.59	5309.87	0.51	-0.038	0.00	982,151.09	982139.26	6975093	508166	609.77	62	54	26.87	128	49	10.66	141.21	136.10	131.75
-5100 W	450	tg97190	12.03	5310.00	0.50	-0.035	0.00	982,151.22	982139.28	6975116	508173	609.28	62	54	27.63	128	49	10.11	141.23	136.12	131.78
-5100 W	475	tg97190	12.08	5310.15	0.59	-0.034	0.00	982,151.41	982139.29	6975140	508181	608.53	62	54	28.40	128	49	9.55	141.24	136.14	131.80
-5100 W	500	tg97190	12.13	5310.30	0.52	-0.033	0.00	982,151.55	982139.31	6975164	508189	608.13	62	54	29.17	128	49	9.00	141.28	136.18	131.84
-5100 W	525	tg97190	12.17	5310.64	0.57	-0.033	0.01	982,151.92	982139.32	6975188	508196	608.79	62	54	29.94	128	49	8.45	141.36	136.27	131.85
-5100 W	550	tg97190	12.22	5311.20	0.55	-0.032	0.05	982,152.51	982139.34	6975212	508204	604.94	62	54	30.70	128	49	7.90	141.58	136.52	132.21
-5100 W	575	tg97190	12.30	5311.30	0.62	-0.030	0.03	982,152.63	982139.35	6975235	508212	605.08	62	54	31.47	128	49	7.34	141.70	136.63	132.32
-5100 W	600	tg97190	12.36	5311.09	0.54	-0.029	0.00	982,152.39	982139.37	6975269	508220	605.60	62	54	32.24	128	49	6.78	141.52	136.44	132.12
-5100 W	625	tg97190	12.41	5310.98	0.59	-0.026	0.00	982,152.29	982139.39	6975283	508227	605.89	62	54	33.01	128	49	6.24	141.46	136.38	132.07
-5100 W	650	tg97190	12.47	5310.91	0.62	-0.027	0.00	982,152.23	982139.40	6975307	508235	606.12	62	54	33.77	128	49	5.69	141.43	136.35	132.03
-5100 W	675	tg97190	13.05	5310.98	0.64	-0.023	0.00	982,152.31	982139.42	6975330	508243	606.56	62	54	34.54	128	49	5.14	141.60	136.51	132.19
-5100 W	700	tg97190	12.23	5310.97	0.43	-0.031	0.00	982,152.23	982139.43	6975354	508251	605.74	62	54	35.31	128	49	4.56	141.32	136.24	131.93
-5100 W	725	tg97190	13.37	5310.77	0.50	-0.018	0.00	982,152.05	982139.45	6975378	508258	606.19	62	54	36.08	128	49	4.03	141.23	136.15	131.63
-5100 W	750	tg97190	13.42	5310.62	0.49	-0.017	0.00	982,151.89	982139.46	6975402	508266	606.89	62	54	36.84	128	49	3.48	141.20	136.11	131.79
-5100 W	775	tg97190	13.49	5310.51	0.62	-0.015	0.00	982,151.82	982139.48	6975426	508274	606.95	62	54	37.61	128	49	2.93	141.13	136.04	131.71
-5100 W	800	tg97190	13.57	5310.47	0.49	-0.015	0.00	982,151.74	982139.50	6975449	508281	606.89	62	54	38.38	128	49	2.38	141.02	135.93	131.60
-5100 W	825	tg97190	14.02	53																	

-5300 W	-1160	tg97191	8.22	5297 94	0.54	-0.050	0.08	982,138 55	982138.31	6973654	508493	688 03	62	53	40 45	128	49	58.58	145.91	140 17	135.28
-5300 W	-1125	tg97191	8.17	5297 93	0.62	-0.050	0.04	982,138 57	982138.33	6973678	508501	685 04	62	53	41 22	128	49	58.01	145.84	139 90	135.02
-5300 W	-1100	tg97191	8.11	5297 94	0.45	-0.050	0.01	982,138 53	982138.34	6973702	508508	684 67	62	53	41 99	128	49	57.47	145.47	139 73	134.85
-5300 W	-1075	tg97191	8.03	5298 13	0.48	-0.050	0.01	982,138 74	982138.36	6973726	508516	683 81	62	53	42 76	128	49	56.92	145.48	139 75	134.86
-5300 W	-1050	tg97191	7.57	5298 32	0.52	-0.050	0.00	982,138 95	982138.37	6973747	508532	683 25	62	53	43 45	128	49	55.03	145.55	139 82	134.85
-5300 W	-1025	tg97191	9.50	5298 47	0.54	-0.048	0.00	982,138 11	982138.38	6973765	508551	683 41	62	53	44 02	128	49	54.47	145.73	140 00	135.13
-5300 W	-1000	tg97191	9.58	5298 24	0.58	-0.048	0.00	982,138 88	982138.40	6973785	508568	683 25	62	53	44 67	128	49	53.38	145.45	139 73	134.86
-5300 W	-975	tg97191	10.11	5298 18	0.61	-0.048	0.00	982,138 82	982138.41	6973805	508584	683 22	62	53	45 33	128	49	52.07	145.38	139 65	134.78
-5300 W	-950	tg97191	10.20	5298 11	0.64	-0.048	0.03	982,138 76	982138.44	6973845	508554	683 52	62	53	46 60	128	49	54.20	145.39	139 66	134.79
-5300 W	-925	tg97191	10.26	5297 63	0.64	-0.047	0.22	982,138 25	982138.45	6973869	508562	685 37	62	53	47 37	128	49	53.65	145.48	139.75	134.89
-5300 W	-900	tg97191	10.32	5298 25	0.69	-0.047	0.39	982,138 82	982138.47	6973892	508570	691 68	62	53	48 14	128	49	53.11	145.56	139 80	134.90
-5300 W	-875	tg97191	10.39	5295 13	0.63	-0.048	0.37	982,135 62	982138.48	6973918	508577	697.15	62	53	48 91	128	49	52.56	145.49	139 66	134.74
-5300 W	-850	tg97191	10.45	5294 33	0.64	-0.048	0.17	982,134 78	982138.50	6973940	508585	700 92	62	53	49 67	128	49	52.02	145.20	139 34	134.36
-5300 W	-825	tg97191	10.51	5293 68	0.64	-0.048	0.05	982,134 10	982138.52	6973964	508592	704 08	62	53	50 44	128	49	51.47	145.04	139 14	134.13
-5300 W	-800	tg97191	10.57	5293 45	0.52	-0.048	0.01	982,133 62	982138.53	6973988	508600	705 17	62	53	51.21	128	49	50.93	144.93	139 02	133.89
-5300 W	-775	tg97191	11.12	5293 68	0.56	-0.044	0.02	982,134 08	982138.55	6974011	508608	704 01	62	53	51.88	128	49	50.38	144.93	139 03	134.02
-5300 W	-750	tg97191	11.17	5294 18	0.58	-0.043	0.06	982,134 60	982138.56	6974035	508615	701 78	62	53	52.75	128	49	49.64	145.01	139 13	134.14
-5300 W	-725	tg97191	11.22	5294 92	0.49	-0.043	0.16	982,135 38	982138.58	6974059	508623	698 41	62	53	53.52	128	49	49.29	145.15	139 32	134.35
-5300 W	-700	tg97191	11.28	5295 80	0.57	-0.042	0.21	982,136 31	982138.59	6974083	508631	694 06	62	53	54.29	128	49	48.75	145.22	139 43	134.50
-5300 W	-675	tg97191	11.35	5295 78	0.56	-0.042	0.17	982,137 34	982138.61	6974107	508638	698.26	62	53	55.05	128	49	48.20	145.18	139 41	134.52
-5300 W	-650	tg97191	11.42	5297 48	0.55	-0.042	0.10	982,138 07	982138.63	6974130	508646	685 78	62	53	55.82	128	49	47.68	145.07	139 33	134.45
-5300 W	-625	tg97191	11.47	5297 69	0.58	-0.041	0.06	982,138 30	982138.64	6974154	508654	684 37	62	53	56.59	128	49	47.11	144.94	139 21	134.33
-5300 W	-600	tg97191	11.54	5297 60	0.67	-0.041	0.08	982,138.23	982138.66	6974178	508681	684 03	62	53	57.38	128	49	48.57	144.78	139 05	134.18
-5300 W	-575	tg97191	11.59	5297 72	0.62	-0.041	0.07	982,138 34	982138.67	6974202	508689	683.28	62	53	58.13	128	49	48.02	144.73	139 01	134.15
-5300 W	-550	tg97191	12.04	5297 90	0.63	-0.040	0.04	982,138 53	982138.69	6974226	508676	682.09	62	53	58.90	128	49	45.48	144.62	138 91	134.05
-5300 W	-525	tg97191	12.10	5298 04	0.54	-0.039	0.11	982,138.65	982138.70	6974249	508684	681 11	62	53	59.67	128	49	44.93	144.60	138 90	134.05
-5300 W	-500	tg97191	12.16	5298 03	0.65	-0.038	0.13	982,138.68	982138.72	6974273	508692	680 05	62	54	50.43	128	49	44.39	144.40	138.71	133.88
-5300 W	-475	tg97191	12.22	5298 25	0.55	-0.038	0.12	982,138 88	982138.74	6974297	508699	678 57	62	54	51.20	128	49	43.84	144.26	138.59	133.76
-5300 W	-450	tg97191	12.29	5298 50	0.60	-0.038	0.12	982,139 16	982138.75	6974321	508707	677 54	62	54	51.97	128	49	43.30	144.31	138.64	133.82
-5300 W	-425	tg97191	12.38	5298 88	0.62	-0.035	0.11	982,139 56	982138.77	6974345	508715	675 52	62	54	52.73	128	49	42.75	144.26	138.61	133.80
-5300 W	-400	tg97191	12.41	5299 08	0.63	-0.035	0.10	982,139 76	982138.78	6974368	508722	674 03	62	54	53.50	128	49	42.21	144.11	138.47	133.87
-5300 W	-375	tg97191	12.47	5299 35	0.67	-0.034	0.24	982,140 07	982138.80	6974392	508730	671 87	62	54	54.27	128	49	41.66	144.11	138.50	133.74
-5300 W	-350	tg97191	12.54	5300 68	0.63	-0.034	0.44	982,141 46	982138.81	6974416	508737	684 81	62	54	55.04	128	49	41.12	144.23	138.70	134.00
-5300 W	-325	tg97191	13.02	5302 24	0.56	-0.033	0.38	982,143 08	982138.83	6974440	508745	685 83	62	54	55.81	128	49	40.57	144.07	138.60	133.95
-5300 W	-300	tg97191	13.10	5301 73	0.63	-0.032	0.26	982,142 56	982138.85	6974464	508753	659 53	62	54	56.56	128	49	40.03	143.96	138 45	133.77
-5300 W	-275	tg97191	13.16	5301 80	0.64	-0.031	0.33	982,142 64	982138.86	6974488	508760	659 28	62	54	57.35	128	49	39.48	144.04	138.55	133.88
-5300 W	-250	tg97191	13.25	5303.51	0.44	-0.031	0.33	982,144 37	982138.88	6974511	508768	650 69	62	54	58.11	128	49	38.94	143.94	138.52	133.91
-5300 W	-225	tg97191	13.32	5305 15	0.52	-0.030	0.23	982,146 12	982138.89	6974535	508776	642.00	62	54	58.88	128	49	38.39	143.72	138.36	133.80
-5300 W	-225	tg97190	15.53	5305.11	0.54	-0.004	0.23	982,146 13	982138.89	6974535	508776	642.00	62	54	58.88	128	49	38.39	143.73	138.37	133.81
-5300 W	-200	tg97190	15.47	5305 53	0.60	-0.004	0.22	982,146 59	982138.91	6974559	508783	639 85	62	54	59.65	128	49	37.85	143.70	138.36	133.82
-5300 W	-175	tg97190	13.38	5304 30	0.63	-0.028	0.08	982,145 27	982138.92	6974583	508791	645 89	62	54	60.42	128	49	37.30	143.48	138.05	133.45
-5300 W	-175	tg97190	15.42	5304 28	0.64	-0.004	0.08	982,145 29	982138.92	6974583	508791	645 89	62	54	60.42	128	49	37.30	143.48	138.08	133.48
-5300 W	-150	tg97190	15.35	5304 99	0.56	-0.005	0.15	982,146 01	982138.94	6974607	508799	642.25	62	54	61.19	128	49	36.76	143.52	138.15	133.59
-5300 W	-125	tg97191	14.05	5305 63	0.69	-0.026	0.07	982,146 68	982138.96	6974630	508806	638 87	62	54	61.96	128	49	36.21	143.32	137.97	133.43
-5300 W	-125	tg97190	15.28	5305 60	0.71	-0.005	0.07	982,146 70	982138.96	6974630	508806	638 87	62	54	61.96	128	49	36.21	143.34	137.99	133.45
-5300 W	-100	tg97190	15.24	5306 27	0.52	-0.005	0.11	982,147 35	982138.97	6974654	508814	635 52	62	54	62.73	128	49	35.87	143.35	138 03	133.51
-5300 W	-75	tg97190	15.18	5307 29	0.61	-0.005	0.12	982,148 45	982138.99	6974678	508821	630 08	62	54	63.50	128	49	35.12	143.28	138 01	133.53
-5300 W	-50	tg97190	15.12	5307 82	0.57	-0.006	0.02	982,148 99	982139 00	6974702	508829	628 85	62	54	64.27	128	49	34.58	143.02	137 78	133 30

-5300 W	260	tg97198	13 35	5310 46	0 56	0 038	0 00	982,151 81	982139 19	6974987	508921	610 88	62 54	23.49	128 49	28.03	142.23	137.11	132.76
-5300 W	275	tg97198	13.39	5310 58	0 56	0 038	0 00	982,151 93	982139.21	6975011	508928	610 11	62 54	24.26	128 49	27.49	142.18	137.06	132.71
-5300 W	300	tg97198	13.43	5310 72	0 56	0 035	0 00	982,152.08	982139 22	6975035	508936	608 82	62 54	25.03	128 49	26.94	142.21	137.10	132.75
-5300 W	325	tg97198	13.51	5310 97	0 57	0 034	0 00	982,152.34	982139 24	6975059	508944	608 89	62 54	25.80	128 49	26.40	142.32	137.22	132.88
-5300 W	350	tg97198	13.56	5311 02	0 63	0 034	0 00	982,152.41	982139 25	6975083	508951	608 80	62 54	26.56	128 49	25.85	142.38	137.25	132.91
-5300 W	375	tg97198	14 01	5311 23	0.48	0 031	0 00	982,152.58	982139.27	6975108	508959	608.21	62 54	27.33	128 49	25.31	142.36	137.26	132.93
-5300 W	400	tg97198	14 06	5311 15	0 48	0 028	0 00	982,152.50	982139 29	6975130	508966	608 46	62 54	28.10	128 49	24.76	142.32	137.21	132.88
-5300 W	425	tg97198	14 10	5311 40	0 54	0 028	0 00	982,152.78	982139 30	6975154	508974	607 62	62 54	28.87	128 49	24.21	142.41	137.31	132.88
-5300 W	450	tg97198	14 19	5311 40	0 46	0 024	0 00	982,152.75	982139 32	6975178	508982	607 75	62 54	29.64	128 49	23.67	142.39	137.30	132.97
-5300 W	475	tg97198	14 23	5311 49	0 55	0 023	0 00	982,152.88	982139 33	6975202	508989	607 11	62 54	30.41	128 49	23.12	142.36	137.27	132.95
-5300 W	500	tg97198	14 27	5311 48	0 53	0 022	0 00	982,152.86	982139 35	6975226	508997	607 17	62 54	31.17	128 49	22.58	142.34	137.25	132.92
-5300 W	525	tg97198	14 31	5311 63	0 55	0 021	0 00	982,153 02	982139 36	6975249	509005	608 46	62 54	31.94	128 49	22.03	142.34	137.25	132.83
-5300 W	550	tg97198	14 35	5311 71	0 64	0 019	0 00	982,153 13	982139 38	6975273	509012	605 67	62 54	32.71	128 49	21.49	142.26	137.19	132.87
-5300 W	575	tg97198	14 39	5311 81	0 63	0 017	0 00	982,153 20	982139 40	6975297	509020	604 91	62 54	33.48	128 49	20.94	142.16	137.09	132.77
-5300 W	600	tg97198	14 44	5311 92	0 62	0 016	0 00	982,153 34	982139 41	6975321	509028	603 99	62 54	34.25	128 49	20.40	142.09	137.02	132.72
-5300 W	625	tg97198	14 48	5311 97	0 65	0 015	0 00	982,153 40	982139 43	6975345	509035	603 37	62 54	35.02	128 49	19.85	142.00	136.94	132.84
-5300 W	650	tg97198	14 55	5312 02	0 59	0 014	0 00	982,153 44	982139 44	6975368	509043	603 05	62 54	35.79	128 49	19.31	141.95	136.90	132.80
-5300 W	675	tg97198	14 59	5312 08	0 44	0 014	0 00	982,153 45	982139 46	6975392	509050	602 88	62 54	36.55	128 49	18.76	141.92	136.86	132.57
-5300 W	700	tg97198	15 03	5312 22	0 59	0 009	0 01	982,153 64	982139 47	6975416	509058	601 79	62 54	37.32	128 49	18.21	141.87	136.83	132.54
-5300 W	725	tg97198	15 07	5312 49	0 64	0 007	0 03	982,153 94	982139 49	6975440	509066	600 37	62 54	38.09	128 49	17.67	141.88	136.85	132.57
-5300 W	750	tg97198	15 12	5312 62	0 53	0 005	0 07	982,154 25	982139 51	6975464	509073	598 85	62 54	38.86	128 49	17.12	141.89	136.88	132.62
-5300 W	775	tg97198	15 19	5313 07	0 62	0 002	0 09	982,154 54	982139 52	6975487	509081	598 94	62 54	39.63	128 49	16.58	141.78	136.79	132.54
-5300 W	800	tg97198	15 26	5313 23	0 49	-0 001	0 13	982,154 67	982139 54	6975511	509089	595 92	62 54	40.40	128 49	16.03	141.72	136 74	132.50
-5500 W	-1400	tg97192	12.21	5295 36	0 58	-0 032	0 24	982,135 86	982138 21	6973501	508234	702 20	62 53	35.53	128 50	16.95	148.92	141 05	136 07
-5500 W	-1375	tg97192	12.13	5295 84	0 58	-0 033	0 37	982,136 37	982138 23	6973525	508241	699 41	62 53	36.29	128 50	16.41	146.97	141 14	136 18
-5500 W	-1350	tg97192	12.05	5298 44	0 63	-0 035	0 28	982,137 01	982138 24	6973549	508249	698 00	62 53	37.06	128 50	15.86	146.77	140 96	136 03
-5500 W	-1325	tg97192	11.58	5297 62	0 57	-0 038	0 22	982,138 24	982138 26	6973573	508257	689 75	62 53	37.83	128 50	15.32	146.58	140 82	135 93
-5500 W	-1300	tg97192	11.48	5298 18	0 58	-0 038	0 12	982,138 63	982138 27	6973598	508264	688 61	62 53	38.60	128 50	14.77	146.38	140 63	135 75
-5500 W	-1275	tg97192	11.40	5298 52	0 60	-0 039	0 03	982,139 19	982138 29	6973620	508272	684 79	62 53	39.37	128 50	14.23	146.24	140 50	135 62
-5500 W	-1250	tg97192	11.36	5298 59	0 52	-0 040	0 01	982,139 24	982138 31	6973644	508280	684 18	62 53	40.14	128 50	13.69	146 12	140 38	135 51
-5500 W	-1225	tg97192	11.31	5298 42	0 59	-0 041	0 00	982,139 38	982138 32	6973668	508287	684 43	62 53	40.91	128 50	13.14	145.99	140 25	135 37
-5500 W	-1200	tg97192	11.24	5298 42	0 58	-0 042	0 00	982,139 38	982138 34	6973692	508295	684 40	62 53	41.67	128 50	12.60	145.98	140 22	135 35
-5500 W	-1175	tg97192	11.17	5298 48	0 58	-0 043	0 00	982,139 14	982138 35	6973715	508303	684 37	62 53	42.44	128 50	12.05	145.99	140 28	135 38
-5500 W	-1150	tg97192	11.12	5298 52	0 57	-0 044	0 02	982,139 18	982138 37	6973739	508310	684 42	62 53	43.21	128 50	11.51	146.06	140 32	135 45
-5500 W	-1125	tg97192	11.06	5298.52	0 60	-0 045	0 03	982,139 19	982138 38	6973763	508318	684 37	62 53	43.98	128 50	10.96	146.05	140 32	135 44
-5500 W	-1100	tg97192	10.53	5298 03	0 62	-0 048	0 06	982,138 68	982138 40	6973787	508325	687 08	62 53	44.75	128 50	10.42	146.14	140 38	135 48
-5500 W	-1075	tg97192	10.47	5297 47	0 59	-0 048	0 14	982,138 08	982138 42	6973811	508333	689 87	62 53	45.52	128 50	9.87	146 21	140 44	135 53
-5500 W	-1050	tg97192	10.40	5298 74	0 62	-0 049	0 16	982,137 33	982138 43	6973834	508341	683 61	62 53	46.29	128 50	9.32	146.25	140 45	135 52
-5500 W	-1050	tg97192	12.55	5298 78	0 58	-0 026	0 16	982,137 34	982138 43	6973834	508348	686 68	62 53	46.98	128 50	9.32	146.26	140 46	135 53
-5500 W	-1025	tg97192	10.35	5298 18	0 65	-0 050	0 14	982,138 75	982138 45	6973858	508348	686 68	62 53	47.05	128 50	8.78	146.28	140 46	135 50
-5500 W	-1000	tg97192	10.28	5295 90	0 66	-0 050	0 06	982,136 45	982138 46	6973882	508356	695 95	62 53	47.82	128 50	8.23	146.15	140 31	135 34
-5500 W	-1000	tg97192	12.34	5295 95	0 54	-0 029	0 06	982,136 47	982138 46	6973882	508356	697 95	62 53	47.82	128 50	8.23	146.17	140 33	135 36
-5500 W	-975	tg97192	10.22	5295 93	0 50	-0 052	0 07	982,136 44	982138 48	6973906	508364	697 84	62 53	48.59	128 50	7.69	146 11	140 27	135 30
-5500 W	-950	tg97192	10.16	5295 92	0 61	-0 052	0 04	982,136 46	982138 49	6973930	508371	697 33	62 53	49.38	128 50	7.14	145.97	140 13	135 17
-5500 W	-925	tg97192	10.10	5298 01	0 58	-0 053	0 02	982,136 54	982138 51	6973953	508379	698 37	62 53	50.13	128 50	6.60	145.82	139 98	135 02
-5500 W	-900	tg97192	10.06	5298 11	0 59	-0 053	0 00	982,136 65	982138 53	6973977	508386	695 88	62 53	50.90	128 50	6.05	145 74	139 90	134 95
-5500 W	-875	tg97192	10.02	5298 20	0 63	-0 054	0 00	982,136 76	982138 54	6974001	508394	695 05	62 53	51.67	128 50	5.51	145 70	139 87	134 92
-5500 W	-850	tg97192	9.57	5298 14	0 57	-0 055	0 01	982,136 68	982138 56	6974025	508402	695 09	62 53	52.43	128 50	4.98	145 62	139 80	134 84
-5500 W	-825	tg97192	9.52	5298 34	0 55	-0 055	0 02	982,136 69	982138 57	6974049	508409	693 94	62 53	53.20	128 50	4.42	145 58	139 76	134 82
-5500 W	-800	tg97192	9.47	5298 43	0 64	-0 055	0 02	982,137 01	982138 59	6974073	508417	693 03	62 53	53.97					

-5500 W	-475	tg97192	8 26	5300 13	0 57	-0 000	0 35	982,140 88	982138.78	6974358	508509	670.42	62	54	3.19	128	49	57.34	144 76	139 17	134 42
-5500 W	-450	tg97191	18 20	5301 06	0 55	-0 018	0 34	982,141 83	982138.79	6974382	508516	665.84	62	54	3.96	128	49	56.80	144 71	139 16	134 45
-5500 W	-425	tg97191	18 11	5301 86	0 53	-0 018	0 54	982,142 67	982138.81	6974408	508524	661.14	62	54	4.73	128	49	56.25	144 79	139 28	134 61
-5500 W	-400	tg97191	18 04	5302 63	0 48	-0 018	0 51	982,143 46	982138.82	6974430	508531	656.20	62	54	5.50	128	49	55.71	144 45	139 00	134 37
-5500 W	-375	tg97191	15 56	5303 75	0 32	-0 018	0 54	982,144 59	982138.84	6974453	508539	649.74	62	54	6.28	128	49	55.16	144 24	138.85	134 26
-5500 W	-350	tg97191	15 49	5305 22	0 48	-0 018	0 53	982,146 19	982138.86	6974477	508547	641.88	62	54	7.03	128	49	54.62	144 16	138.83	134 30
-5500 W	-325	tg97191	15 41	5308 36	0 56	-0 019	0 44	982,147 41	982138.87	6974501	508554	636.81	62	54	7.80	128	49	54.07	144 17	138.87	134 37
-5500 W	-300	tg97191	15.33	5307 13	0 43	-0 019	0 28	982,148 16	982138.89	6974525	508562	630.80	62	54	8.57	128	49	53.53	143.40	138 13	133.68
-5500 W	-275	tg97191	15.26	5307 49	0 49	-0 019	0 10	982,148 58	982138.90	6974549	508570	628.40	62	54	9.34	128	49	52.98	143 13	137 67	133.40
-5500 W	-250	tg97191	15 20	5307 89	0 43	-0 020	0.04	982,148 98	982138.92	6974572	508577	627.51	62	54	10.11	128	49	52.44	143.25	138.00	133.53
-5500 W	-225	tg97191	15 13	5307 98	0 67	-0 020	0.03	982,149 13	982138.93	6974598	508585	627.78	62	54	10.88	128	49	51.89	143.43	138.17	133.70
-5500 W	-200	tg97191	15 08	5307 32	0.60	-0 020	0.14	982,148 43	982138.95	6974620	508593	631.27	62	54	11.65	128	49	51.35	143.59	138.31	133.82
-5500 W	-175	tg97191	15 00	5308 13	0.41	-0 021	0.16	982,149 22	982138.97	6974644	508600	627.42	62	54	12.42	128	49	50.80	143 57	138 33	133.87
-5500 W	-150	tg97191	14 54	5308 57	0 60	-0 022	0.05	982,149 75	982138.98	6974668	508608	624.57	62	54	13.19	128	49	50.26	143.35	138.11	133.87
-5500 W	-125	tg97191	14 49	5308 74	0 49	-0 022	0.01	982,149 89	982139.00	6974692	508615	623.87	62	54	13.95	128	49	49.71	143.28	138.05	133.61
-5500 W	-100	tg97191	14 44	5309 03	0 41	-0 022	0.01	982,150 17	982139.01	6974715	508623	622.78	62	54	14.72	128	49	49.17	143.31	138.09	133.66
-5500 W	-75	tg97191	14 39	5309 08	0 48	-0 022	0.01	982,150 25	982139.03	6974739	508631	621.73	62	54	15.49	128	49	48.62	143.15	137.84	133.51
-5500 W	-50	tg97191	14 33	5309 31	0 59	-0 023	0.01	982,150 52	982139.04	6974763	508638	619.78	62	54	16.28	128	49	48.08	143 00	137 60	133.38
-5500 W	-25	tg97191	14 28	5309 48	0 55	-0 023	0.00	982,150 69	982139.06	6974787	508646	617.70	62	54	17.03	128	49	47.53	142.69	137 51	133.11
-5500 W	0	tg97191	14 23	5309 70	0 45	-0 024	0.00	982,150 89	982139.08	6974811	508654	616.33	62	54	17.80	128	49	46.99	142.59	137.42	133.03
-5500 W	0	tg97198	8 14	5309 71	0 59	-0 014	0.00	982,150 95	982139.08	6974811	508654	616.33	62	54	17.80	128	49	46.99	142.65	137 49	133.10
-5500 W	25	tg97198	8 22	5309 74	0 68	-0 011	0.00	982,151 02	982139.09	6974834	508661	615.79	62	54	18.57	128	49	46.44	142.59	137 42	133 04
-5500 W	50	tg97198	8 27	5309 91	0 55	-0 009	0.00	982,151 16	982139.11	6974858	508669	614.76	62	54	19.33	128	49	45.90	142.49	137 34	132.96
-5500 W	75	tg97198	8 32	5309 99	0 65	-0 007	0.00	982,151 28	982139.12	6974882	508676	614.43	62	54	20.10	128	49	45.35	142.53	137 37	133 00
-5500 W	100	tg97198	8 37	5310 19	0 63	-0 005	0.00	982,151 48	982139.14	6974908	508684	613.72	62	54	20.87	128	49	44.81	142.57	137 42	133.05
-5500 W	125	tg97198	8 43	5310 50	0 45	-0 003	0.00	982,151 76	982139.15	6974930	508692	612.79	62	54	21.64	128	49	44.26	142.63	137 49	133.12
-5500 W	150	tg97198	8 49	5310 51	0 41	-0 001	0.00	982,151 76	982139.17	6974953	508699	612.53	62	54	22.41	128	49	43.72	142.56	137 42	133 06
-5500 W	175	tg97198	8 54	5310 45	0 54	-0 001	0.00	982,151 73	982139.19	6974977	508707	612.55	62	54	23.18	128	49	43.17	142.52	137 39	133 02
-5500 W	200	tg97198	8 59	5310 58	0 57	-0 001	0.00	982,151 88	982139.20	6975001	508715	612.19	62	54	23.94	128	49	42.63	142.58	137 44	133 08
-5500 W	225	tg97198	9 04	5310 83	0 56	-0 007	0.01	982,152 15	982139.22	6975025	508722	611.78	62	54	24.71	128	49	42.08	142.75	137 62	133 27
-5500 W	250	tg97198	9 09	5310 53	0 68	-0 009	0.02	982,151 87	982139.23	6975049	508730	613.84	62	54	25.48	128	49	41.53	142.91	137 76	133.39
-5500 W	250	tg97198	11 48	5310 50	0 65	-0 048	0.02	982,151 68	982139.23	6975049	508730	613.84	62	54	25.48	128	49	41.53	142.92	137 77	133 40
-5500 W	275	tg97198	9 15	5311 00	0 58	-0 011	0.01	982,152 34	982139.25	6975072	508738	611.71	62	54	26.25	128	49	40.99	142.90	137 77	133 41
-5500 W	300	tg97198	9 20	5311 21	0 50	-0 013	0.03	982,152 54	982139.26	6975098	508745	610.15	62	54	27.02	128	49	40.44	142.77	137 66	133 31
-5500 W	325	tg97198	9 25	5311 41	0 47	-0 015	0.00	982,152 74	982139.28	6975120	508753	609.08	62	54	27.79	128	49	39.90	142.70	137 59	133 25
-5500 W	350	tg97198	9 30	5311 43	0 61	-0 016	0.00	982,152 80	982139.30	6975144	508760	608.55	62	54	28.56	128	49	39.35	142.63	137 53	133 19
-5500 W	375	tg97198	9 34	5311 61	0 58	-0 018	0.00	982,152 99	982139.31	6975168	508768	608.02	62	54	29.32	128	49	38.61	142.69	137 59	133 26
-5500 W	400	tg97198	9 40	5311 71	0 60	-0 020	0.00	982,153 10	982139.33	6975191	508776	607.34	62	54	30.09	128	49	38.26	142.64	137 55	133 22
-5500 W	425	tg97198	9 45	5311 82	0 57	-0 022	0.00	982,153 21	982139.34	6975215	508783	607.10	62	54	30.86	128	49	37.72	142.68	137 59	133 27
-5500 W	450	tg97198	9 51	5311 68	0 65	-0 023	0.00	982,153 09	982139.36	6975239	508791	607.72	62	54	31.63	128	49	37.17	142.68	137 58	133 25
-5500 W	475	tg97198	10 01	5311 99	0 57	-0 027	0.00	982,153 39	982139.37	6975263	508799	606.25	62	54	32.40	128	49	36.63	142.68	137 57	133.25
-5500 W	500	tg97198	10 06	5312 02	0 64	-0 029	0.00	982,153 42	982139.39	6975287	508806	605.36	62	54	33.17	128	49	36.08	142.48	137 40	133 09
-5500 W	525	tg97198	10 10	5311 92	0 58	-0 030	0.00	982,153 33	982139.41	6975310	508814	605.04	62	54	33.94	128	49	35.54	142.30	137 23	132 92
-5500 W	550	tg97198	10 14	5312.06	0 46	-0 031	0.02	982,153 44	982139.42	6975334	508821	604.80	62	54	34.70	128	49	34.99	142.37	137 30	132 89
-5500 W	575	tg97198	10 19	5312 12	0 61	-0 033	0.00	982,153 55	982139.44	6975358	508829	604.62	62	54	35.47	128	49	34.45	142.45	137 38	133 07
-5500 W	600	tg97198	10 24	5312 07	0 57	-0 034	0.00	982,153 49	982139.45	6975382	508837	605.23	62	54	36.24	128	49	33.90	142.45	137 38	133 07
-5500 W	625	tg97198	10 29	5312 01	0 56	-0 035	0.00	982,153 42	982139.47	6975406	508844	605.72	62	54	37.01	128	49	33.36	142.48	137 40	133 08
-5500 W	650	tg97198	10 36	5311 99	0 63	-0 037	0.00	982,153 42	982139.48	6975430	508852	605.88	62	54	37.78	128	49	32.81	142.50	137 42	133 10
-5500 W	675	tg97198	10 41																		

-5700 W	-1300	tg97192	14 09	5298 43	0 52	-0 012	0 20	982,138 97	982138 30	6973634	508066	697 20	62 53	39 82	128 50	26 79	146 84	141 01	136 06
-5700 W	-1275	tg97192	13 59	5297 47	0 55	-0 015	0 18	982,138 08	982138 31	6973657	508074	691 58	62 53	40 59	128 50	26 25	146 79	141 01	136 10
-5700 W	-1250	tg97192	13 53	5298 27	0 59	-0 015	0 11	982,138 93	982138 33	6973881	508082	687 50	62 53	41 36	128 50	27 70	146 80	140 85	135 96
-5700 W	-1225	tg97192	13 46	5298 36	0 65	-0 016	0 08	982,139 04	982138 35	6973705	508089	688 67	62 53	42 12	128 50	27 16	146 49	140 74	135 85
-5700 W	-1225	tg97192	14 47	5298 37	0 64	-0 008	0 08	982,139 05	982138 35	6973705	508089	688 67	62 53	42 12	128 50	27 16	146 49	140 75	135 86
-5700 W	-1200	tg97192	13 41	5297 56	0 65	-0 017	0 15	982,138 20	982138 38	6973729	508097	690 58	62 53	42 89	128 50	26 61	146 54	140 77	135 86
-5700 W	-1175	tg97192	13 34	5298 60	0 61	-0 018	0 19	982,137 18	982138 38	6973753	508105	685 18	62 53	43 68	128 50	26 07	146 53	140 72	135 78
-5700 W	-1175	tg97192	14 53	5298 62	0 61	-0 007	0 19	982,137 20	982138 38	6973753	508105	685 18	62 53	43 66	128 50	26 07	146 55	140 74	135 80
-5700 W	-1150	tg97192	13 28	5285 71	0 63	-0 019	0 39	982,138 25	982138 38	6973776	508112	690 42	62 53	44 43	128 50	25 52	146 71	140 88	135 93
-5700 W	-1125	tg97192	13 21	5294 10	0 64	-0 021	0 30	982,134 58	982138 41	6973800	508120	708 63	62 53	45 20	128 50	24 88	146 47	140 56	135 56
-5700 W	-1100	tg97192	13 13	5282 95	0 71	-0 022	0 22	982,133 37	982138 42	6973824	508127	711 64	62 53	45 97	128 50	24 43	146 20	140 25	135 20
-5700 W	-1075	tg97197	15 58	5292 24	0 62	-0 026	0 22	982,132 59	982138 44	6973848	508135	714 45	62 53	46 74	128 50	23 89	146 00	140 03	134 98
-5700 W	-1075	tg97192	15 02	5292 24	0 67	-0 007	0 22	982,132 61	982138 44	6973848	508135	714 45	62 53	46 74	128 50	23 89	146 02	140 05	134 98
-5700 W	-1075	tg97192	13 07	5292 26	0 63	-0 023	0 22	982,132 62	982138 44	6973848	508135	714 45	62 53	46 74	128 50	23 89	146 03	140 06	134 99
-5700 W	-1050	tg97192	15 15	5293 42	0 65	-0 006	0 52	982,133 84	982138 46	6973872	508143	709 11	62 53	47 50	128 50	23 34	146 45	140 55	135 54
-5700 W	-1026	tg97192	15 23	5294 25	0 67	-0 005	0 67	982,134 72	982138 47	6973895	508150	704 53	62 53	48 27	128 50	22 80	146 51	140 67	135 71
-5700 W	-1000	tg97192	15 30	5295 37	0 59	-0 005	0 58	982,135 87	982138 49	6973919	508158	688 68	62 53	49 04	128 50	22 25	146 30	140 50	135 57
-5700 W	-975	tg97192	15 39	5286 36	0 68	-0 004	0 59	982,136 94	982138 50	6973943	508166	693 32	62 53	49 81	128 50	21 71	146 23	140 48	135 58
-5700 W	-950	tg97192	15 45	5297 82	0 67	-0 004	0 47	982,138 47	982138 52	6973967	508173	685 74	62 53	50 58	128 50	21 16	146 00	140 30	135 45
-5700 W	-925	tg97192	15 51	5298 29	0 56	-0 004	0 42	982,138 93	982138 53	6973991	508181	682 80	62 53	51 35	128 50	20 62	145 76	140 08	135 25
-5700 W	-900	tg97192	15 57	5298 89	0 55	-0 004	0 35	982,139 58	982138 55	6974015	508188	679 47	62 53	52 12	128 50	20 07	145 59	139 92	135 11
-5700 W	-875	tg97192	16 04	5299 81	0 54	-0 004	0 26	982,140 52	982138 57	6974038	508196	674 97	62 53	52 88	128 50	19 53	145 47	139 84	135 05
-5700 W	-850	tg97192	16 10	5300 65	0 59	-0 004	0 26	982,141 42	982138 58	6974062	508204	671 54	62 53	53 65	128 50	18 98	145 82	140 02	135 25
-5700 W	-825	tg97192	16 16	5301 16	0 69	-0 005	0 14	982,141 98	982138 60	6974088	508211	668 65	62 53	54 42	128 50	18 44	145 42	139 83	135 08
-5700 W	-800	tg97192	16 24	5301 11	0 67	-0 005	0 07	982,141 92	982138 61	6974110	508219	668 97	62 53	55 19	128 50	17 90	145 33	139 73	134 97
-5700 W	-800	tg97193	8 02	5301 11	0 68	-0 026	0 07	982,141 93	982138 61	6974110	508219	668 97	62 53	55 19	128 50	17 90	145 35	139 74	134 98
-5700 W	-775	tg97193	8 09	5300 68	0 58	-0 025	0 07	982,141 45	982138 63	6974134	508227	671 09	62 53	55 96	128 50	17 35	145 30	139 68	134 90
-5700 W	-750	tg97193	8 15	5300 17	0 56	-0 025	0 07	982,140 91	982138 64	6974157	508234	673 38	62 53	56 73	128 50	16 81	145 23	139 59	134 79
-5700 W	-725	tg97193	8 20	5299 80	0 66	-0 025	0 09	982,140 55	982138 66	6974181	508242	674 88	62 53	57 50	128 50	16 26	145 19	139 54	134 74
-5700 W	-700	tg97193	8 25	5299 63	0 59	-0 025	0 12	982,140 25	982138 68	6974205	508250	675 93	62 53	58 26	128 50	15 72	145 13	139 48	134 67
-5700 W	-675	tg97193	8 32	5299 40	0 55	-0 024	0 15	982,140 10	982138 69	6974229	508257	676 49	62 53	59 03	128 50	15 17	145 12	139 47	134 66
-5700 W	-650	tg97193	8 37	5299 47	0 58	-0 024	0 19	982,140 18	982138 71	6974253	508285	675 76	62 53	59 80	128 50	14 63	145 08	139 43	134 63
-5700 W	-626	tg97193	8 44	5299 60	0 55	-0 024	0 25	982,140 31	982138 72	6974276	508272	674 81	62 54	0 56	128 50	14 08	145 06	139 43	134 64
-5700 W	-600	tg97193	8 49	5299 73	0 63	-0 024	0 27	982,140 47	982138 74	6974300	508280	673 57	62 54	1 33	128 50	13 54	144 96	139 34	134 57
-5700 W	-575	tg97193	8 56	5300 19	0 50	-0 024	0 35	982,140 91	982138 75	6974324	508288	671 03	62 54	2 10	128 50	12 99	144 94	139 35	134 60
-5700 W	-550	tg97193	9 02	5301 18	0 62	-0 024	0 32	982,141 96	982138 77	6974348	508295	665 75	62 54	2 87	128 50	12 45	144 82	139 27	134 55
-5700 W	-525	tg97193	9 09	5302 48	0 48	-0 024	0 34	982,143 31	982138 79	6974372	508303	658 63	62 54	3 64	128 50	11 90	144 71	139 22	134 56
-5700 W	-500	tg97193	9 16	5303 59	0 40	-0 024	0 29	982,144 46	982138 80	6974395	508311	653 30	62 54	4 41	128 50	11 36	144 61	139 16	134 53
-5700 W	-475	tg97193	9 23	5304 45	0 53	-0 024	0 24	982,145 40	982138 82	6974419	508318	648 49	62 54	5 18	128 50	10 81	144 46	139 05	134 44
-5700 W	-450	tg97193	9 27	5304 93	0 49	-0 024	0 28	982,145 89	982138 83	6974443	508326	645 81	62 54	5 95	128 50	10 27	144 39	139 00	134 42
-5700 W	-425	tg97193	9 33	5305 64	0 56	-0 024	0 22	982,148 66	982138 85	6974467	508333	641 88	62 54	6 71	128 50	9 72	144 26	138 80	134 35
-5700 W	-400	tg97193	9 39	5306 19	0 59	-0 024	0 25	982,147 25	982138 86	6974491	508341	638 58	62 54	7 48	128 50	9 17	144 16	138 84	134 31
-5700 W	-375	tg97193	9 45	5307 47	0 52	-0 024	0 26	982,148 57	982138 88	6974514	508349	631 94	62 54	8 25	128 50	8 63	144 08	138 81	134 33
-5700 W	-350	tg97193	9 50	5308 10	0 55	-0 024	0 08	982,149 24	982138 90	6974538	508356	627 53	62 54	9 02	128 50	8 08	143 59	138 34	133 87
-5700 W	-325	tg97193	9 56	5308 23	0 45	-0 024	0 03	982,149 35	982138 91	6974562	508384	626 73	62 54	8 79	128 50	7 54	143 45	138 20	133 74
-5700 W	-300	tg97193	10 01	5308 46	0 58	-0 024	0 07	982,149 63	982138 93	6974586	508372	626 62	62 54	10 56	128 50	6 99	143 74	138 50	134 04
-5700 W	-275	tg97193	10 06	5308 54	0 65	-0 024	0 03	982,149 74	982138 94	6974610	508378	626 36	62 54	11 33	128 50	6 45	143 73	138 48	134 02
-5700 W	-250	tg97193	10 11	5308 64	0 55	-0 024	0 01	982,149 81	982138 96	6974633	508387	626 07	62 54	12 10	128 50	5 90	143 71	138 46	134 00
-5700 W	-225	tg97193	10 15	5308 60	0 73	-0 025	0 00	982,149 83	982138 97	6974657	508395	625 99	62 54	12 87	128 50	5 36	143 68	138 43	133 97
-5700 W	-200	tg97193	10 20	5308 53	0 56	-0 024	0 00	982,149 70	982138 99	6974681	508402	626 70	62 54	13 64	128 50	4 81	143 68</		

-5700 W	100	tg97193	11 29	5310 93	0 47	-0.028	0 00	982,152.19	982139 18	6974967	508494	612.32	62	54	22.86	128	49	58.28	142.94	137.80	133.44
-5700 W	125	tg97193	11 34	5311 18	0 48	-0.028	0 00	982,152.48	982139.19	6974991	508501	611.49	62	54	23.63	128	49	57.73	143.01	137.88	133.53
-5700 W	150	tg97193	11 39	5311.27	0 57	-0.029	0 00	982,152.58	982139 21	6975014	508509	611.10	62	54	24.40	128	49	57.19	143.03	137.91	133.58
-5700 W	175	tg97193	11 44	5311.42	0 59	-0.029	0 00	982,152.74	982139 23	6975038	508517	610.56	62	54	25.16	128	49	56.64	143.07	137.95	133.60
-5700 W	200	tg97193	11 48	5311.48	0 59	-0.029	0 02	982,152.78	982139 26	6975062	508524	610.35	62	54	25.83	128	49	56.10	143.07	137.96	133.61
-5700 W	225	tg97193	11 53	5311.42	0 57	-0.029	0 04	982,152.74	982139 26	6975086	508532	610.63	62	54	26.70	128	49	55.55	143.09	137.98	133.63
-5700 W	250	tg97193	13 24	5311.14	0 60	-0.035	0 16	982,152.45	982139 27	6975110	508540	611.69	62	54	27.47	128	49	55.01	143.15	138.04	133.69
-5700 W	250	tg97193	11 58	5311.13	0 67	-0.029	0 16	982,152.48	982139 27	6975110	508540	611.69	62	54	27.47	128	49	55.01	143.16	138.05	133.71
-5700 W	275	tg97193	12 05	5309 62	0 45	-0.031	0 42	982,150.81	982139 28	6975133	508547	618.95	62	54	28.24	128	49	54.46	143.33	138.18	133.81
-5700 W	300	tg97193	13 15	5308 80	0 69	-0.035	0 39	982,150.12	982139 30	6975157	508555	621.90	62	54	29.01	128	49	53.92	143.22	138.05	133.65
-5700 W	300	tg97193	12 12	5308 81	0 66	-0.031	0 39	982,150.12	982139 30	6975157	508555	621.90	62	54	29.01	128	49	53.92	143.23	138.05	133.65
-5700 W	325	tg97193	12 17	5308 80	0 65	-0.031	0 21	982,150.85	982139 32	6975181	508562	618.64	62	54	29.78	128	49	53.37	143.03	137.87	133.48
-5700 W	325	tg97193	13 08	5309 59	0 70	-0.034	0 21	982,150.85	982139 32	6975181	508562	618.64	62	54	29.78	128	49	53.37	143.04	137.87	133.48
-5700 W	350	tg97193	12 23	5310 49	0 62	-0.031	0 15	982,151.77	982139 34	6975205	508570	614.62	62	54	30.54	128	49	52.83	143.02	137.88	133.52
-5700 W	375	tg97193	12 29	5311 48	0 63	-0.032	0 03	982,152.82	982139 35	6975229	508578	609.65	62	54	31.31	128	49	52.28	142.86	137.75	133.41
-5700 W	375	tg97193	12 59	5311 50	0 57	-0.033	0 03	982,152.82	982139 35	6975229	508578	609.65	62	54	31.31	128	49	52.28	142.86	137.75	133.41
-5700 W	400	tg97193	12 34	5311 57	0 57	-0.032	0 02	982,152.89	982139 37	6975252	508585	607.78	62	54	32.08	128	49	51.73	142.51	137.41	133.09
-5700 W	425	tg97193	12 42	5312 09	0 58	-0.033	0 00	982,153.44	982139 38	6975276	508593	608.41	62	54	32.85	128	49	51.19	142.73	137.64	133.32
-5700 W	450	tg97193	12 47	5312.15	0 56	-0.033	0 01	982,153.50	982139 40	6975300	508601	608.11	62	54	33.62	128	49	50.64	142.72	137.64	133.32
-5700 W	475	tg97193	12 51	5312.10	0 57	-0.033	0 03	982,153.45	982139 41	6975324	508608	608.30	62	54	34.39	128	49	50.10	142.72	137.63	133.32
-5900 W	-1500	tg97194	11 45	5268 95	0 57	-0.016	0 77	982,129.12	982138 21	6973506	507811	738.77	62	53	35.70	128	50	46.88	148.12	142.02	136.84
-5900 W	-1475	tg97194	11 37	5260 83	0 40	-0.015	0 64	982,131.05	982138 23	6973529	507819	727.48	62	53	36.47	128	50	46.33	147.91	141.88	136.75
-5900 W	-1450	tg97194	11 28	5282 12	0 49	-0.014	0 64	982,123.43	982138 25	6973553	507827	720.57	62	53	37.24	128	50	45.78	147.81	141.84	136.76
-5900 W	-1425	tg97194	11 20	5283 67	0 50	-0.012	0 74	982,134.06	982138 26	6973577	507834	712.48	62	53	38.01	128	50	45.23	147.83	141.93	136.92
-5900 W	-1400	tg97194	11 13	5296 00	0 41	-0.012	0 75	982,136.49	982138 28	6973601	507842	700.02	62	53	38.78	128	50	44.66	147.73	141.93	137.00
-5900 W	-1375	tg97194	11 03	5297 56	0 42	-0.011	0 43	982,138.13	982138 29	6973625	507850	692.84	62	53	39.54	128	50	44.13	147.30	141.53	136.63
-5900 W	-1350	tg97194	10 57	5298 98	0 49	-0.010	0 41	982,139.62	982138 31	6973648	507857	685.39	62	53	40.31	128	50	43.58	147.21	141.51	136.66
-5900 W	-1325	tg97194	10 48	5299 99	0 50	-0.010	0 28	982,140.71	982138 32	6973672	507865	680.03	62	53	41.08	128	50	43.04	147.00	141.32	136.50
-5900 W	-1300	tg97194	10 38	5300 81	0 44	-0.010	0 13	982,141.34	982138 34	6973696	507873	678.80	62	53	41.85	128	50	42.49	146.75	141.09	136.28
-5900 W	-1275	tg97194	10 17	5300 85	0 49	-0.009	0 08	982,141.61	982138 36	6973720	507880	675.67	62	53	42.62	128	50	41.94	146.75	141.09	136.28
-5900 W	-1250	tg97194	10 12	5301 04	0 59	-0.009	0 10	982,141.84	982138 37	6973744	507888	674.61	62	53	43.38	128	50	41.39	146.72	141.08	136.28
-5900 W	-1225	tg97194	10 05	5301 58	0 58	-0.009	0 13	982,142.40	982138.39	6973767	507896	671.28	62	53	44.15	128	50	40.84	146.60	140.98	136.21
-5900 W	-1200	tg97194	9 59	5301 80	0 63	-0.008	0 12	982,142.65	982138 40	6973791	507904	669.48	62	53	44.92	128	50	40.29	146.44	140.84	136.07
-5900 W	-1175	tg97194	9 53	5302 10	0 46	-0.008	0 16	982,142.91	982138 42	6973815	507911	677.71	62	53	45.69	128	50	39.74	146.35	140.77	136.03
-5900 W	-1150	tg97194	12 00	5302 65	0 49	-0.017	0 09	982,143.39	982138 43	6973839	507919	685.27	62	53	46.46	128	50	39.19	146.22	140.65	135.92
-5900 W	-1150	tg97194	9 46	5302 54	0 59	-0.008	0 09	982,143.41	982138 43	6973839	507919	685.27	62	53	46.46	128	50	39.19	146.24	140.67	135.94
-5900 W	-1125	tg97194	9 40	5302 70	0 50	-0.008	0 07	982,143.55	982138 45	6973862	507927	683.60	62	53	47.22	128	50	38.64	145.89	140.43	135.71
-5900 W	-1100	tg97194	9 35	5302 71	0 45	-0.009	0 07	982,143.55	982138 47	6973886	507934	682.60	62	53	47.99	128	50	38.09	145.80	140.25	135.53
-5900 W	-1075	tg97197	15 47	5302 75	0 57	-0.027	0 07	982,143.62	982138 48	6973910	507942	662.31	62	53	48.76	128	50	37.55	145.75	140.21	135.49
-5900 W	-1075	tg97194	9 28	5302 77	0 59	-0.009	0 07	982,143.65	982138 48	6973910	507942	662.31	62	53	48.76	128	50	37.55	145.78	140.24	135.53
-5900 W	-1075	tg97194	12 08	5302 80	0 54	-0.018	0 07	982,143.67	982138 48	6973910	507942	662.31	62	53	48.76	128	50	37.55	145.80	140.25	135.54
-5900 W	-1050	tg97194	9 22	5302 66	0 46	-0.009	0 02	982,143.50	982138 50	6973934	507950	662.37	62	53	49.53	128	50	37.00	145.57	140.02	135 30
-5900 W	-1025	tg97194	9 16	5302 59	0 42	-0.009	0 01	982,143.41	982138 51	6973958	507957	662.33	62	53	50.30	128	50	38.45	145.45	139.89	135 18
-5900 W	-1000	tg97194	9 11	5302 62	0 61	-0.009	0 00	982,143.50	982138 53	6973981	507965	661.55	62	53	51.08	128	50	35.90	145.34	139.80	135 08
-5900 W	-975	tg97194	9 04	5302 68	0 64	-0.010	0 00	982,143.57	982138 54	6974005	507973	661.03	62	53	51.83	128	50	35.35	145.29	139.75	135 04
-5900 W	-950	tg97194	8 59	5302 78	0 50	-0.010	0 00	982,143.63	982138 56	6974029	507981	660.95	62	53	52.60	128	50	34.80	145.32	139.78	135 07
-5900 W	-925	tg97194	8 52	5302 75	0 46	-0.010	0 00	982,143.59	982138 58	6974053	507988	661.03	62	53	53.37	128	50	34.25	145.27	139.73	135 02
-5900 W	-900	tg97194	8 48	5302 74	0 49	-0.010	0 00	982,143.59	982138 59	6974077	507996	661.47	62	53	54.13	128	50	33.70	145.35	139.81</td	

-500 W	-600	tg97193	16 11	5304 30	0 54	-0 042	0 00	982,145 23	982,138 78	6974362	508088	654 05	62 54	3 35	128 50	27 11	145 23	139 75	135 09
-500 W	-600	tg97193	16 19	5304 29	0 60	-0 042	0 00	982,145 24	982,138 78	6974362	508088	654 05	62 54	3 35	128 50	27 11	145 24	139 76	135 09
-500 W	-575	tg97193	16 06	5304 51	0 53	-0 042	0 02	982,145 45	982,138 80	6974388	508096	650 70	62 54	4 11	128 50	26 56	144 75	139 29	134 66
-500 W	-550	tg97193	16 00	5304 94	0 52	-0 042	0 05	982,145 90	982,138 81	6974410	508104	648 12	62 54	4 68	128 50	26 02	144 87	139 24	134 82
-500 W	-525	tg97193	15 53	5305 33	0 60	-0 041	0 18	982,146 33	982,138 83	6974433	508111	645 32	62 54	5 65	128 50	25 47	144 84	139 25	134 87
-500 W	-500	tg97193	15 47	5306 00	0 68	-0 041	0 19	982,147 06	982,138 84	6974457	508119	641 01	62 54	6 42	128 50	24 92	144 45	139 10	134 54
-500 W	-475	tg97193	15 40	5306 61	0 58	-0 041	0 32	982,147 67	982,138 88	6974481	508127	637 11	62 54	7 19	128 50	24 37	144 37	139 06	134 55
-500 W	-450	tg97193	15 33	5307 77	0 52	-0 041	0 29	982,148 67	982,138 87	6974505	508134	630 35	62 54	7 95	128 50	23 82	144 08	138 83	134 36
-500 W	-425	tg97193	15 28	5308 41	0 64	-0 041	0 11	982,149 58	982,138 89	6974528	508142	628 63	62 54	8 72	128 50	23 27	143 78	138 54	134 08
-500 W	-400	tg97193	15 20	5308 67	0 57	-0 040	0 01	982,149 84	982,138 91	6974552	508150	626 94	62 54	9 49	128 50	22 72	143 97	138 71	134 25
-500 W	-375	tg97193	15 15	5308 26	0 68	-0 040	0 04	982,149 44	982,138 92	6974576	508157	628 84	62 54	10 26	128 50	22 17	143 99	138 73	134 25
-500 W	-350	tg97193	15 09	5308 37	0 61	-0 040	0 07	982,149 53	982,138 94	6974600	508165	628 07	62 54	11 03	128 50	21 62	143 84	138 69	134 22
-500 W	-325	tg97193	15 04	5309 21	0 56	-0 039	0 08	982,150 40	982,138 95	6974624	508173	623 84	62 54	11 80	128 50	21 07	143 87	138 65	134 21
-500 W	-300	tg97193	14 58	5309 30	0 58	-0 039	0 02	982,150 50	982,138 97	6974647	508181	622 81	62 54	12 57	128 50	20 52	143 71	138 49	134 05
-500 W	-275	tg97193	14 52	5309 41	0 55	-0 039	0 02	982,150 61	982,138 98	6974671	508188	621 54	62 54	13 33	128 50	19 87	143 53	138 32	133 89
-500 W	-250	tg97193	14 48	5309 72	0 53	-0 039	0 02	982,150 93	982,139 00	6974695	508196	619 72	62 54	14 10	128 50	19 42	143 45	138 25	133 84
-500 W	-225	tg97193	14 41	5309 95	0 63	-0 039	0 01	982,151 20	982,139 02	6974719	508204	618 20	62 54	14 87	128 50	18 88	143 37	138 19	133 78
-500 W	-200	tg97193	14 37	5310 18	0 47	-0 039	0 00	982,151 39	982,139 03	6974743	508211	617 18	62 54	15 64	128 50	18 33	143 32	138 14	133 75
-500 W	-175	tg97193	14 33	5310 42	0 60	-0 038	0 00	982,151 69	982,139 05	6974766	508219	616 18	62 54	16 41	128 50	17 78	143 38	138 22	133 83
-500 W	-150	tg97193	14 28	5310 69	0 53	-0 038	0 00	982,151 95	982,139 06	6974790	508227	615 62	62 54	17 17	128 50	17 23	143 51	138 35	133 86
-500 W	-125	tg97193	14 24	5310 80	0 57	-0 038	0 00	982,152 08	982,139 08	6974814	508234	614 47	62 54	17 94	128 50	16 88	143 38	138 23	133 85
-500 W	-100	tg97193	14 19	5310 77	0 34	-0 038	0 00	982,151 98	982,139 09	6974838	508242	614 17	62 54	18 71	128 50	16 13	143 20	138 05	133 87
-500 W	-75	tg97193	14 14	5310 87	0 54	-0 037	0 00	982,152 14	982,139 11	6974861	508250	613 37	62 54	19 48	128 50	15 58	143 18	138 04	133 87
-500 W	-50	tg97193	14 08	5311 06	0 67	-0 037	0 00	982,152 38	982,139 13	6974885	508257	612 48	62 54	20 24	128 50	15 03	143 22	138 08	133 72
-500 W	-25	tg97193	14 02	5311 21	0 64	-0 037	0 00	982,152 53	982,139 14	6974909	508265	611 75	62 54	21 01	128 50	14 48	143 19	138 06	133 71
-500 W	0	tg97193	13 43	5311 28	0 69	-0 038	0 00	982,152 62	982,139 16	6974933	508273	611 32	62 54	21 78	128 50	13 93	143 18	138 05	133 89
-600 W	-1500	tg97194	14 04	5283 76	0 37	-0 034	0 37	982,134 10	982,138 24	6973538	507709	712 47	62 53	36 80	128 50	54 12	147 47	141 53	136 48
-600 W	-1475	tg97194	13 58	5294 77	0 44	-0 032	0 23	982,135 19	982,138 25	6973563	507717	707 08	62 53	37 56	128 50	53 56	147 23	141 33	136 31
-600 W	-1450	tg97194	13 49	5285 18	0 61	-0 032	0 26	982,135 67	982,138 27	6973587	507725	704 53	62 53	38 33	128 50	53 00	147 19	141 31	136 31
-600 W	-1425	tg97194	13 42	5285 71	0 43	-0 031	0 46	982,135 17	982,138 28	6973610	507732	701 28	62 53	39 10	128 50	52 45	147 22	141 38	136 43
-600 W	-1400	tg97194	13 34	5287 85	0 54	-0 030	0 57	982,138 46	982,138 30	6973634	507740	689 19	62 53	39 86	128 50	51 89	147 05	141 33	136 46
-600 W	-1375	tg97194	13 26	5289 10	0 45	-0 029	0 32	982,138 75	982,138 32	6973658	507748	682 56	62 53	40 63	128 50	51 33	146 63	140 94	136 10
-600 W	-1350	tg97194	13 19	5300 47	0 51	-0 028	0 28	982,141 20	982,138 33	6973682	507756	676 12	62 53	41 40	128 50	50 77	146 65	141 01	136 22
-600 W	-1325	tg97194	13 13	5301 33	0 57	-0 027	0 18	982,142 13	982,138 35	6973705	507764	671 88	62 53	42 18	128 50	50 21	148 50	140 89	136 12
-600 W	-1300	tg97194	13 05	5302 02	0 63	-0 026	0 14	982,142 87	982,138 38	6973729	507771	668 34	62 53	42 93	128 50	49 68	146 48	140 89	136 14
-600 W	-1300	tg97194	14 17	5302 05	0 60	-0 038	0 14	982,142 89	982,138 36	6973728	507771	668 34	62 53	42 93	128 50	49 68	146 49	140 91	136 15
-600 W	-1275	tg97194	13 00	5302 41	0 63	-0 025	0 04	982,143 28	982,138 38	6973753	507778	668 26	62 53	43 70	128 50	49 10	146 32	140 74	135 99
-600 W	-1250	tg97194	12 54	5302 63	0 59	-0 024	0 02	982,143 50	982,138 39	6973777	507787	664 86	62 53	44 46	128 50	48 54	146 20	140 63	135 89
-600 W	-1225	tg97194	12 48	5302 92	0 48	-0 024	0 01	982,143 77	982,138 41	6973800	507795	663 05	62 53	45 23	128 50	47 98	146 06	140 50	135 76
-600 W	-1200	tg97194	12 40	5303 19	0 61	-0 022	0 01	982,144 10	982,138 43	6973824	507803	661 78	62 53	46 00	128 50	47 43	146 10	140 55	135 84
-600 W	-1175	tg97194	12 33	5303 22	0 52	-0 021	0 00	982,144 10	982,138 44	6973848	507811	660 98	62 53	46 78	128 50	46 87	145 91	140 37	135 66
-600 W	-1150	tg97194	12 25	5303 20	0 52	-0 021	0 00	982,144 08	982,138 46	6973872	507818	660 33	62 53	47 53	128 50	46 31	145 74	140 20	135 49
-600 W	-1125	tg97194	12 20	5303 15	0 48	-0 020	0 00	982,144 01	982,138 47	6973895	507826	659 83	62 53	48 30	128 50	45 75	145 54	140 01	135 31
-600 W	-900	tg97194	14 42	5303 13	0 50	-0 039	0 00	982,143 99	982,138 61	6974109	507897	660 24	62 53	55 20	128 50	40 73	145 47	139 83	135 23
-600 W	-875	tg97194	14 54	5303 23	0 38	-0 040	0 00	982,144 05	982,138 63	6974133	507904	660 01	62 53	55 98	128 50	40 17	145 48	139 93	135 23
-600 W	-850	tg97194	14 57	5303 35	0 39	-0 040	0 00	982,144 18	982,138 64	6974157	507912	659 72	62 53	56 73	128 50	39 62	145 52	139 99	135 29
-600 W	-825	tg97194	15 04	5303 55	0 53	-0 042	0 00	982,144 44	982,138 66	6974180	507920	659 89	62 53	57 50	128 50	39 06	145 75	140 22	135 62
-600 W	-800	tg97194	15 08	5303 67	0 56	-0 043	0 00	982,144 57	982,138 68	6974204	507928	659 41	62 53	58 26	128 50	38 50	145 81	140 28	135 58
-600 W	-775	tg97194	15 13	5303 74	0 68	-0 043	0 00	982,144 68	982,138 69	6974228	507936	659 25	62 53	59 03	128 50	37 94	145 87	140 34	135 65
-600 W	-750	tg97194	15 17	5303 73	0 61	-0 044	0 00	982,144 65	982,138 71	6974252	507943	658 41	62 53	59 79	12				

-6000 W	-450	tg97195	8.25	5308 84	0 51	-0.003	0 05	982,150.04	982,138.90	6974537	508037	824.88	62	54	8.99	128	50	30.69	143.78	138.56	134.11
-6000 W	-425	tg97195	8.32	5308 72	0 68	-0.002	0 05	982,149.96	982,138.91	6974560	508045	827.18	62	54	9.76	128	50	30.13	144.19	138.93	134.47
-6000 W	-400	tg97195	8.37	5309 53	0 63	-0.001	0 03	982,150.81	982,138.93	6974584	508053	823.32	62	54	10.53	128	50	29.57	144.17	138.95	134.51
-6000 W	-375	tg97195	8.44	5309 66	0 60	0.000	0 01	982,150.94	982,138.94	6974608	508061	822.81	62	54	11.29	128	50	29.02	144.15	138.93	134.50
-6000 W	-350	tg97195	8.49	5309 80	0 47	0.001	0 05	982,151.04	982,138.96	6974632	508069	822.07	62	54	12.06	128	50	28.48	144.14	138.92	134.50
-6000 W	-325	tg97195	8.53	5309 78	0 58	0.001	0 01	982,151.03	982,138.97	6974655	508078	821.78	62	54	12.83	128	50	27.80	144.01	138.79	134.38
-6000 W	-300	tg97195	8.59	5309 77	0 53	0.001	0 00	982,151.03	982,138.99	6974678	508084	821.13	62	54	13.59	128	50	27.34	143.83	138.63	134.20
-6000 W	-275	tg97195	9.03	5310 05	0 47	0.003	0 05	982,151.31	982,139.01	6974703	508092	819.86	62	54	14.36	128	50	26.78	143.89	138.69	134.28
-6000 W	-250	tg97195	9.08	5310 18	0 63	0.004	0 00	982,151.50	982,139.02	6974727	508100	818.89	62	54	15.13	128	50	26.23	143.79	138.60	134.19
-6000 W	-225	tg97195	9.13	5310 72	0 53	0.004	0 03	982,152.03	982,139.04	6974750	508108	815.57	62	54	15.89	128	50	25.67	143.64	138.49	134.10
-6000 W	-200	tg97195	9.18	5311 00	0 59	0.005	0 00	982,152.35	982,139.05	6974774	508115	814.01	62	54	16.66	128	50	25.11	143.58	138.43	134.05
-6000 W	-175	tg97195	9.23	5311 00	0 68	0.005	0 00	982,152.37	982,139.07	6974798	508123	813.78	62	54	17.43	128	50	24.55	143.53	138.38	134.01
-6000 W	-150	tg97195	9.27	5311 01	0 59	0.006	0 00	982,152.38	982,139.08	6974821	508131	813.55	62	54	18.19	128	50	23.99	143.46	138.32	133.94
-6000 W	-125	tg97195	9.31	5311 09	0 63	0.006	0 00	982,152.45	982,139.10	6974845	508139	813.04	62	54	18.96	128	50	23.44	143.43	138.29	133.92
-6000 W	-100	tg97195	9.37	5311 22	0 62	0.006	0 00	982,152.59	982,139.12	6974869	508147	812.17	62	54	19.73	128	50	22.88	143.37	138.23	133.87
-6000 W	-75	tg97195	9.41	5311 30	0 62	0.006	0 00	982,152.67	982,139.13	6974893	508155	811.45	62	54	20.49	128	50	22.32	143.28	138.16	133.80
-6000 W	-50	tg97195	9.48	5311 61	0 61	0.007	0 00	982,153.00	982,139.15	6974916	508162	810.21	62	54	21.26	128	50	21.76	143.33	138.21	133.86
-6000 W	-25	tg97195	9.51	5311 77	0 65	0.007	0 00	982,153.18	982,139.18	6974940	508170	809.81	62	54	22.03	128	50	21.20	143.41	138.29	133.95
-6000 W	0	tg97195	9.58	5311 74	0 69	0.007	0 00	982,153.16	982,139.18	6974964	508178	809.73	62	54	22.79	128	50	20.64	143.36	138.24	133.90
-6100 W	-1500	tg97195	16.00	5294 23	0 67	-0.049	0 08	982,134.70	982,138.28	6973570	507614	710.81	62	53	37.81	128	51	0.83	147.31	141.36	138.30
-6100 W	-1475	tg97195	15.54	5294 59	0 61	-0.047	0 19	982,135.08	982,138.27	6973594	507622	707.88	62	53	38.58	128	51	0.28	147.20	141.29	138.26
-6100 W	-1450	tg97195	15.44	5298 51	0 59	-0.046	0 46	982,137.07	982,138.29	6973618	507630	698.87	62	53	39.35	128	50	59.72	147.18	141.38	138.45
-6100 W	-1425	tg97195	15.35	5298 32	0 47	-0.044	0 33	982,138.94	982,138.31	6973842	507637	687.77	62	53	40.11	128	50	59.16	146.95	141.21	138.34
-6100 W	-1400	tg97195	15.24	5298 42	0 30	-0.042	0 27	982,140.05	982,138.32	6973865	507645	681.99	62	53	40.88	128	50	58.61	146.74	141.05	138.22
-6100 W	-1375	tg97195	15.16	5300 63	0 53	-0.040	0 24	982,141.39	982,138.34	6973889	507653	675.86	62	53	41.65	128	50	58.05	146.73	141.09	138.30
-6100 W	-1350	tg97195	16.11	5301 51	0 48	-0.051	0 12	982,142.28	982,138.35	6973713	507661	671.40	62	53	42.41	128	50	57.49	146.53	140.91	136.14
-6100 W	-1350	tg97195	15.09	5301 51	0 51	-0.039	0 12	982,142.31	982,138.35	6973713	507661	671.40	62	53	42.41	128	50	57.49	146.55	140.94	136.16
-6100 W	-1325	tg97195	15.02	5302 23	0 38	-0.037	0 10	982,143.03	982,138.37	6973737	507669	687.37	62	53	43.18	128	50	56.93	146.38	140.79	136.05
-6100 W	-1325	tg97195	16.17	5302 23	0 53	-0.052	0 10	982,143.06	982,138.37	6973737	507669	687.37	62	53	43.18	128	50	56.93	146.41	140.83	136.08
-6100 W	-1300	tg97195	14.49	5302 84	0 33	-0.035	0 08	982,143.65	982,138.38	6973760	507676	684.10	62	53	43.95	128	50	56.38	146.25	140.69	135.96
-6100 W	-1275	tg97195	14.43	5302 99	0 53	-0.033	0 02	982,143.87	982,138.40	6973784	507684	682.91	62	53	44.71	128	50	55.62	146.16	140.60	135.88
-6100 W	-1250	tg97195	14.37	5303 37	0 53	-0.031	0 01	982,144.28	982,138.41	6973808	507692	680.85	62	53	45.48	128	50	55.26	146.09	140.55	135.85
-6100 W	-1250	tg97195	16.22	5303 40	0 52	-0.053	0 01	982,144.28	982,138.41	6973808	507692	680.85	62	53	45.48	128	50	55.26	146.10	140.56	135.85
-6100 W	-1225	tg97195	14.32	5303 52	0 38	-0.030	0 00	982,144.39	982,138.43	6973832	507700	680.14	62	53	46.25	128	50	54.70	146.03	140.49	135.79
-6100 W	-1200	tg97195	14.27	5303 57	0 55	-0.029	0 00	982,144.49	982,138.45	6973855	507708	689.85	62	53	47.01	128	50	54.15	146.06	140.53	135.82
-6100 W	-1175	tg97195	14.21	5303 40	0 57	-0.028	0 00	982,144.32	982,138.46	6973879	507716	689.77	62	53	47.78	128	50	53.59	145.85	140.32	135.62
-6100 W	-1150	tg97195	14.15	5303 46	0 65	-0.027	0 00	982,144.41	982,138.48	6973903	507723	689.93	62	53	48.55	128	50	53.03	145.98	140.43	135.72
-6100 W	-1150	tg97195	16.32	5303 48	0 67	-0.054	0 00	982,144.41	982,138.48	6973903	507723	689.93	62	53	48.55	128	50	53.03	145.98	140.43	135.73
-6100 W	-1125	tg97195	14.11	5303 45	0 58	-0.026	0 00	982,144.38	982,138.49	6973927	507731	689.67	62	53	49.31	128	50	52.47	145.88	140.33	135.63
-6100 W	-1100	tg97195	14.04	5303 35	0 33	-0.024	0 00	982,144.20	982,138.51	6973950	507739	689.70	62	53	50.08	128	50	51.92	145.87	140.14	135.44
-6100 W	-1075	tg97195	13.58	5303 17	0 30	-0.021	0 00	982,144.00	982,138.52	6973974	507747	689.79	62	53	50.85	128	50	51.36	145.48	139.94	135.24
-6100 W	-1050	tg97195	13.53	5302 99	0 55	-0.021	0 00	982,143.89	982,138.54	6973998	507755	689.91	62	53	51.61	128	50	50.80	145.37	139.84	135.14
-6100 W	-1025	tg97195	13.48	5303 11	0 38	-0.020	0 00	982,143.97	982,138.56	6974022	507762	688.59	62	53	52.38	128	50	50.24	145.36	139.83	135.13
-6100 W	-1000	tg97195	13.42	5303 13	0 29	-0.019	0 00	982,143.96	982,138.57	6974045	507770	689.69	62	53	53.15	128	50	49.68	145.36	139.83	135.13
-6100 W	-975	tg97195	13.37	5303 20	0 38	-0.018	0 00	982,144.06	982,138.58	6974065	507786	689.56	62	53	53.79	128	50	48.55	145.42	139.89	135.19
-6100 W	-950	tg97195	13.33	5303 26	0 39	-0.018	0 00	982,144.13	982,138.60	6974094	507776	689.60	62	53	54.73	128	50	49.24	145.48	139.95	135.25
-6100 W	-925	tg97195	13.27	5303 35	0 44	-0.018	0 00	982,144.24	982,138.62	6974117	507794	689.55	62	53	55.45	128	50	49.01	145.57	140.04	135.34
-6100 W	-900	tg97195	13.21	5303 24	0 63	-0.015	0 00	982,144.18	982,138.63	6974140	507802	680.48	62	53	56.21	128	50</				

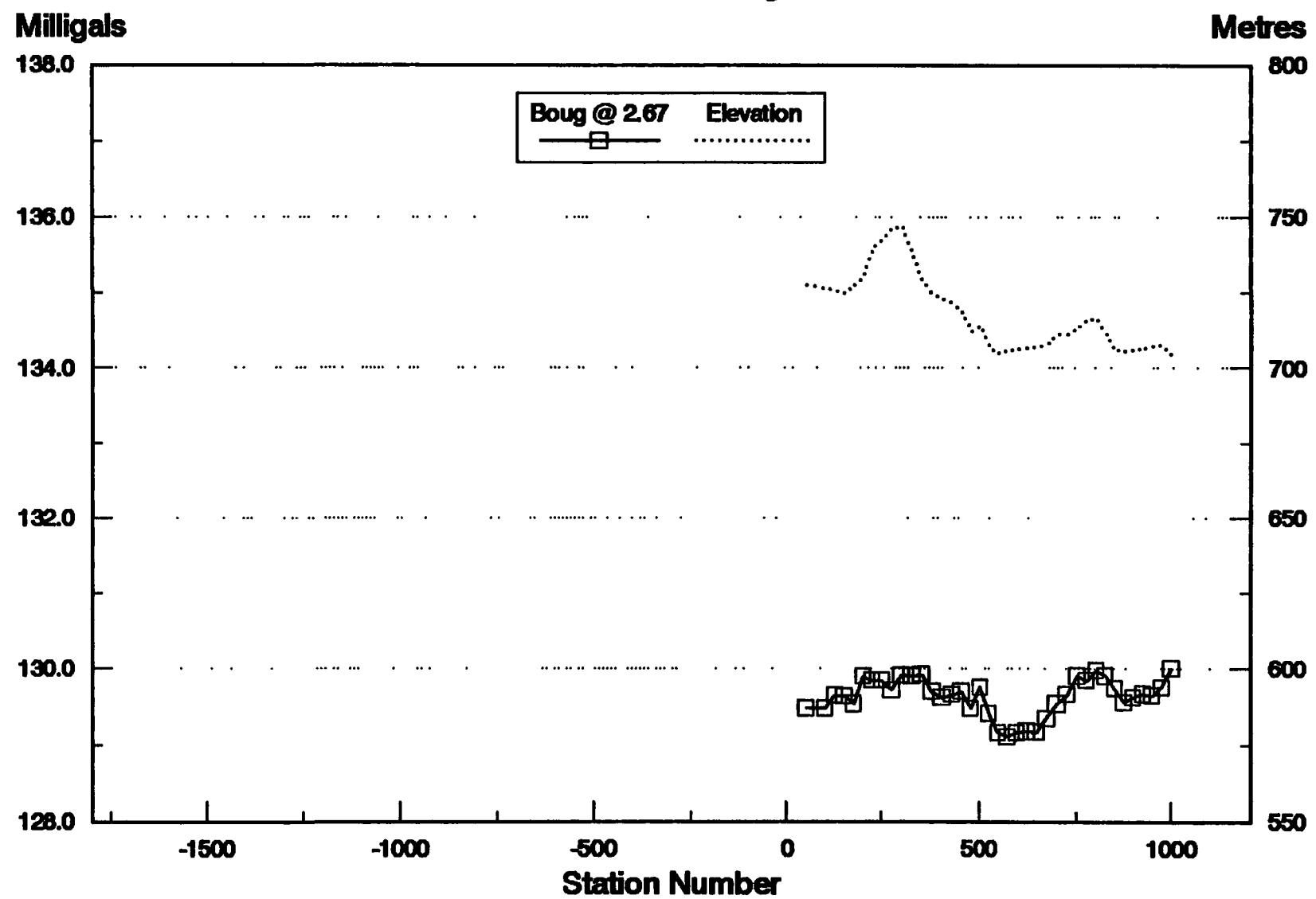
-6100 W	-625	tg97195	11 45	5308 66	0 53	0 002	0 05	982,149 87	982138 87	6974497	507918	625 35	62	54	7.71	128	50	39 09	143.74	138.51	134 05
-6100 W	-500	tg97195	11 40	5309 56	0 46	0 003	0 05	982,150 79	982138 88	6974520	507927	623.00	62	54	8.47	128	50	38.53	144 16	138.94	134 50
-6100 W	-475	tg97195	11 35	5309 42	0 54	0 004	0 00	982,150 67	982138 90	6974544	507935	623.76	62	54	9.24	128	50	37.97	144 12	138.89	134 45
-6100 W	-450	tg97195	11 30	5309 73	0 53	0 004	0 00	982,150 99	982138 92	6974568	507942	622.26	62	54	10.01	128	50	37.41	144 11	138.89	134 46
-6100 W	-425	tg97195	11 27	5309 70	0 67	0 004	0 00	982,151 01	982138 93	6974592	507950	622.46	62	54	10.78	128	50	38.85	144 15	138.93	134 50
-6100 W	-400	tg97195	11 23	5309 54	0 52	0 005	0 00	982,150 79	982138 95	6974616	507958	623.63	62	54	11.55	128	50	38 30	144 15	138.92	134 48
-6100 W	-375	tg97195	11 16	5309 04	0 70	0 005	0 07	982,150 32	982138 98	6974639	507966	625.88	62	54	12.31	128	50	35.74	144 19	138.96	134 50
-6100 W	-350	tg97195	11 11	5309 70	0 59	0 006	0 14	982,150 98	982138 98	6974663	507974	622.84	62	54	13.08	128	50	35.18	144.28	139.07	134 65
-6100 W	-325	tg97195	11 06	5309 98	0.66	0 006	0 07	982,151 30	982138 99	6974687	507981	620.90	62	54	13.85	128	50	34.62	144 13	138.93	134 51
-6100 W	-300	tg97195	11 00	5310 12	0.65	0 006	0 02	982,151 44	982139 01	6974710	507989	619.78	62	54	14.61	128	50	34 06	143.96	138.77	134 35
-6100 W	-275	tg97195	10 56	5310 27	0.63	0 007	0 01	982,151 59	982139 03	6974734	507997	618.76	62	54	15.38	128	50	33.51	143.87	138.88	134 28
-6100 W	-250	tg97195	10 51	5310 49	0 62	0 007	0 04	982,151 82	982139 04	6974758	508005	617.50	62	54	16.15	128	50	32.95	143.85	138.88	134 28
-6100 W	-225	tg97195	10 42	5311 07	0 55	0 007	0 05	982,152 41	982139 06	6974782	508013	614.85	62	54	16.91	128	50	32.39	143.83	138.88	134 31
-6100 W	-200	tg97195	10 37	5311 48	0 59	0 007	0 02	982,152 85	982139 07	6974805	508021	612.38	62	54	17.68	128	50	31.83	143.74	138.61	134 25
-6100 W	-175	tg97195	10 32	5311 66	0.58	0 007	0 01	982,153 04	982139 09	6974828	508028	611.39	62	54	18.45	128	50	31.27	143.89	138.56	134 21
-6100 W	-150	tg97195	10 29	5311 63	0 59	0 007	0 00	982,153 01	982139 10	6974853	508036	611.52	62	54	19.21	128	50	30.72	143.86	138.54	134 18
-6100 W	-125	tg97195	10 24	5311 69	0 53	0 008	0 00	982,153 06	982139 12	6974877	508044	611.10	62	54	19.98	128	50	30.16	143.80	138.48	134 12
-6100 W	-100	tg97195	10 20	5311 84	0 50	0 007	0 00	982,153 20	982139 14	6974900	508052	610.50	62	54	20.74	128	50	29.60	143.81	138.49	134 14
-6100 W	-75	tg97195	10 15	5311 75	0 71	0 008	0 00	982,153 18	982139 15	6974924	508060	610.83	62	54	21.51	128	50	29.04	143.59	138.47	134 12
-6100 W	-50	tg97195	10 11	5311 62	0 72	0 007	0 00	982,153 04	982139 17	6974948	508067	611.25	62	54	22.28	128	50	28.48	143.57	138.45	134 09
-6100 W	-25	tg97195	10 07	5311 55	0 64	0 007	0 00	982,152 94	982139 18	6974971	508075	611.44	62	54	23.04	128	50	27.93	143.50	138.37	134 01
-6100 W	0	tg97195	10 02	5311 50	0 67	0 007	0 00	982,152 90	982139 20	6974995	508083	611.41	62	54	23.81	128	50	27.37	143.43	138.31	133 95
-6300 W	-1600	tg97197	13 21	5287 46	0 62	0 023	0 13	982,138 13	982138 24	6973538	507393	693.34	62	53	36.78	128	51	16.51	147.15	141.35	136 42
-6300 W	-1575	tg97197	13 16	5287 08	0 65	0 024	0 13	982,137 74	982138 25	6973562	507401	694.98	62	53	37.55	128	51	15.95	147.09	141.28	136 34
-6300 W	-1550	tg97197	13 11	5287 22	0 63	0 025	0 21	982,137 88	982138 27	6973586	507408	693.83	62	53	38.32	128	51	15.39	147.07	141.28	136 35
-6300 W	-1525	tg97197	13 06	5287 80	0.58	0 026	0 49	982,138 47	982138 28	6973609	507416	690.25	62	53	39.08	128	51	14.84	147.21	141.47	136 59
-6300 W	-1500	tg97197	13 00	5287 46	0 51	0 026	0 87	982,140 20	982138 30	6973633	507424	681.16	62	53	39.65	128	51	14.28	147.43	141.81	137 03
-6300 W	-1475	tg97197	12.55	5301 37	0 56	0 030	0 93	982,142 22	982138 32	6973657	507432	671.72	62	53	40.62	128	51	13.72	147.50	141.96	137 25
-6300 W	-1450	tg97197	12.50	5302 13	0 51	0 030	0 59	982,143 00	982138 33	6973681	507440	667.87	62	53	41.38	128	51	13.16	147.08	141.52	138 81
-6300 W	-1425	tg97197	12.45	5302 79	0 54	0 031	0 27	982,143 71	982138 35	6973704	507447	664.62	62	53	42.15	128	51	12.61	146.70	141.15	136 44
-6300 W	-1400	tg97197	12.36	5303.31	0 49	0 032	0 13	982,144 24	982138 36	6973728	507455	662.04	62	53	42.92	128	51	12.05	146.60	140 96	136 25
-6300 W	-1375	tg97197	12.30	5303 70	0.50	0 033	0 08	982,144 65	982138 38	6973752	507463	659.82	62	53	43.68	128	51	11.49	146.33	140 80	136 11
-6300 W	-1350	tg97197	12.16	5304 09	0 64	0 034	0 08	982,145 11	982138 39	6973776	507471	657.38	62	53	44.45	128	51	10.93	146.28	140 78	136 11
-6300 W	-1325	tg97197	12.10	5304 35	0 57	0 035	0 02	982,145 36	982138 41	6973798	507479	656.01	62	53	45.22	128	51	10.38	146.17	140 67	136 00
-6300 W	-1300	tg97197	12.06	5304 48	0 58	0 035	0 01	982,145 48	982138 43	6973823	507487	655.27	62	53	45.98	128	51	9.81	146.10	140 61	135 94
-6300 W	-1275	tg97197	12.01	5304 59	0 59	0 036	0 00	982,145 62	982138 44	6973847	507494	654.82	62	53	46.75	128	51	9.26	146.08	140 59	135 93
-6300 W	-1250	tg97197	11.57	5304 67	0 54	0 037	0 00	982,145 69	982138 48	6973870	507502	654.24	62	53	47.52	128	51	8.70	146.05	140 57	135 90
-6300 W	-1225	tg97197	11.53	5304 57	0.52	0 037	0 00	982,145 58	982138 47	6973894	507510	654.68	62	53	48.28	128	51	8.14	146.01	140 53	135 86
-6300 W	-1200	tg97197	11.48	5304 55	0.58	0 037	0 02	982,145 58	982138 49	6973918	507518	654.93	62	53	49.05	128	51	7.58	146.08	140 59	135 92
-6300 W	-1175	tg97197	11.44	5304 40	0 53	0 037	0 02	982,145 40	982138 50	6973942	507528	655.62	62	53	49.82	128	51	7.03	146.01	140 52	135 85
-6300 W	-1150	tg97197	11.39	5303 76	0 62	0 037	0 05	982,144 76	982138 52	6973965	507533	657.84	62	53	50.58	128	51	6.47	145.88	140 37	135 88
-6300 W	-1125	tg97197	11.33	5302 98	0 65	0 038	0 12	982,143 93	982138 53	6973989	507541	661.22	62	53	51.35	128	51	5.91	145.83	140 30	135 80
-6300 W	-1100	tg97197	11.28	5302 13	0 65	0 038	0 11	982,143 05	982138 55	6974013	507549	664.81	62	53	52.12	128	51	5.35	145.89	140 13	135 40
-6300 W	-1075	tg97197	15.31	5301 23	0.65	-0.021	0 08	982,142 05	982138 57	6974037	507557	668.99	62	53	52.88	128	51	4.80	145.53	138 93	135 17
-6300 W	-1075	tg97197	11.22	5301 18	0.68	0 037	0 08	982,142 06	982138 57	6974037	507557	668.99	62	53	52.88	128	51	4.80	145.53	138 93	135 17
-6300 W	-1050	tg97197	11.17	5300 49	0 71	0 037	0 14	982,141 35	982138 58	6974060	507565	672.22	62	53	53.65	128	51	4.24	145.58	139 94	135 18
-6300 W	-1025	tg97197	11.10	5300 12	0 71	0 037	0 15	982,140 96	982138 60	6974084	507573	674.11	62	53	54.42	128	51	3.68	145.57	139 93	135 14
-6300 W	-1000	tg97197	11.04	5289 53	0.68	0 038	0 20	982,140 32	982138 61	6974108	507580	676.26	62	53	55.18	128	51	3.12	145.65	139 89	135 1

-6300 W	-625	tg97197	9.26	5308 31	0.54	0.020	0.08	982,149 49	982,138 85	6974464	507698	630 64	62	54	6.68	128	50	64 78	144 55	139 27	134 78
-6300 W	-600	tg97197	9.20	5308 83	0.65	0.018	0.08	982,150 18	982,138 66	6974488	507705	627 24	62	54	7.44	128	50	54 20	144 47	139 22	134 78
-6300 W	-575	tg97197	9.12	5309 70	0.54	0.016	0.08	982,150 95	982,138 88	6974512	507713	623 09	62	54	8.21	128	50	53 65	144 37	139 16	134 72
-6300 W	-550	tg97197	9.08	5310 24	0.50	0.014	0.09	982,151 51	982,138 90	6974535	507721	619 87	62	54	8.98	128	50	53.09	144 24	139 05	134 64
-6300 W	-525	tg97197	9.00	5310 39	0.56	0.012	0.02	982,151 68	982,138 91	6974559	507729	617 88	62	54	9.74	128	50	52.53	143 90	138 72	134 32
-6300 W	-500	tg97197	8.54	5310 50	0.55	0.009	0.02	982,151 79	982,138 83	6974583	507737	616 90	62	54	10.51	128	50	51.87	143 78	138 61	134 22
-6300 W	-475	tg97197	8.49	5310 67	0.69	0.008	0.03	982,152 01	982,138 94	6974607	507745	615 81	62	54	11.28	128	50	51.42	143 77	138 61	134 22
-6300 W	-450	tg97197	8.44	5310 83	0.57	0.007	0.03	982,152 14	982,138 96	6974630	507752	615 47	62	54	12.05	128	50	50.88	143 81	138 65	134 27
-6300 W	-425	tg97197	8.37	5311 12	0.63	0.004	0.07	982,152 46	982,138 97	6974654	507760	614 31	62	54	12.81	128	50	50.30	143 81	138 77	134 40
-6300 W	-400	tg97197	8.32	5311 31	0.61	0.003	0.02	982,152 65	982,138 99	6974678	507768	613 04	62	54	13.58	128	50	49.74	143 76	138 62	134 28
-6300 W	-375	tg97197	8.27	5311 38	0.63	0.001	0.02	982,152 73	982,139 01	6974702	507776	612 33	62	54	14.35	128	50	49.16	143 67	138 54	134 18
-6300 W	-350	tg97197	8.23	5311 62	0.50	-0.001	0.00	982,152 94	982,139 02	6974725	507784	611 43	62	54	15.11	128	50	48.63	143 65	138 53	134 17
-6300 W	-325	tg97197	8.17	5311 71	0.52	-0.003	0.00	982,153 04	982,139 04	6974749	507791	610 86	62	54	15.88	128	50	48.07	143 62	138 50	134 14
-6300 W	-325	tg97198	16.31	5311 77	0.56	-0.052	0.00	982,153 06	982,139 04	6974749	507791	610 86	62	54	15.88	128	50	48.07	143 64	138 52	134 16
-6300 W	-300	tg97198	16.28	5311 98	0.62	-0.051	0.00	982,153 28	982,139 05	6974773	507799	610 18	62	54	16.65	128	50	47.51	143.70	138 58	134 24
-6300 W	-275	tg97198	16.20	5312 00	0.64	-0.049	0.00	982,153 44	982,139 07	6974797	507807	609 69	62	54	17.41	128	50	48.95	143 73	138 62	134 28
-6300 W	-250	tg97198	16.16	5312 10	0.57	-0.048	0.00	982,153 78	982,139 08	6974820	507815	607 85	62	54	18.18	128	50	48.39	143 68	138 58	134 25
-6300 W	-225	tg97198	16.11	5312 52	0.47	-0.048	0.00	982,153 83	982,139 10	6974844	507823	606 96	62	54	18.95	128	50	48.64	143 52	138 43	134 10
-6300 W	-200	tg97198	16.08	5312 59	0.61	-0.045	0.00	982,153 95	982,139 11	6974868	507831	605 91	62	54	19.71	128	50	45.28	143.40	138 32	134 00
-6300 W	-175	tg97198	16.01	5312 60	0.58	-0.043	0.00	982,153 95	982,139 13	6974892	507838	605 53	62	54	20.48	128	50	44.72	143 30	138 23	133.91
-6300 W	-150	tg97198	15.56	5312 96	0.45	-0.041	0.01	982,154 29	982,139 15	6974915	507846	603 97	62	54	21.25	128	50	44.16	143 31	138 25	133 94
-6300 W	-125	tg97198	15.51	5312 81	0.60	-0.041	0.00	982,154 18	982,139 16	6974939	507854	604 54	62	54	22.01	128	50	43.61	143 29	138 22	133 92
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-6300 W	-50	tg97198	15.36	5312 38	0.69	-0.037	0.03	982,153 76	982,139 21	6975010	507877	605 97	62	54	24.31	128	50	41.93	143 16	138 09	133 77
-6300 W	-25	tg97198	15.31	5312 94	0.53	-0.035	0.02	982,154 30	982,139 22	6975034	507885	603 30	62	54	25.08	128	50	41.37	143 11	138 05	133 76
-6300 W	0	tg97198	15.25	5313 03	0.64	-0.034	0.05	982,154 43	982,139 24	6975058	507893	603 18	62	54	25.85	128	50	40.82	143.23	138 18	133 89
-6400 W	-1800	tg97197	13.29	5298 45	0.63	0.020	0.82	982,139 17	982,138 24	6973549	5073568	687 39	62	53	37 14	128	51	18.99	147 72	142 04	137 21
-6400 W	-1575	tg97197	13.34	5298 57	0.62	0.019	0.87	982,139 29	982,138 26	6973573	507365	686 61	62	53	37 91	128	51	18.45	147 72	142 05	137 23
-6400 W	-1550	tg97197	13.39	5298 26	0.58	0.017	0.88	982,140 00	982,138 28	6973597	507373	682 58	62	53	38.68	128	51	17.92	147 57	141 83	137 15
-6400 W	-1525	tg97197	13.46	5300 91	0.54	0.016	0.81	982,141 72	982,138 29	6973621	507380	673 89	62	53	39 45	128	51	17.39	147 35	141 78	137 04
-6400 W	-1500	tg97197	13.53	5302 46	0.59	0.015	0.58	982,143 38	982,138 31	6973645	507388	665 83	62	53	40 22	128	51	18.85	147 00	141 47	136 77
-6400 W	-1475	tg97197	13.57	5302 88	0.45	0.015	0.30	982,143 87	982,138 32	6973668	507395	663 77	62	53	40 99	128	51	16.32	146.73	141 19	136 49
-6400 W	-1450	tg97197	14.01	5303 30	0.54	0.011	0.18	982,144 23	982,138 34	6973692	507403	662 29	62	53	41 76	128	51	15.79	146.62	141 08	136 38
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-6400 W	-1400	tg97197	14.09	5304 13	0.58	0.008	0.10	982,145 11	982,138 37	6973740	507417	657 97	62	53	43 30	128	51	14.72	146 46	140 95	136 27
-6400 W	-1375	tg97197	14.13	5304 42	0.54	0.007	0.07	982,145 40	982,138 39	6973764	507425	655 88	62	53	44 07	128	51	14.19	146 29	140 79	136 13
-6400 W	-1350	tg97197	14.18	5304 70	0.65	0.006	0.04	982,145 73	982,138 40	6973788	507432	654 34	62	53	44 84	128	51	13.68	146.21	140 73	136 07
-6400 W	-1325	tg97197	14.22	5304 80	0.58	0.004	0.00	982,145 81	982,138 42	6973812	507440	653 78	62	53	45 61	128	51	13.12	146 11	140 63	135 97
-6400 W	-1300	tg97197	14.28	5304 87	0.62	0.003	0.00	982,145 89	982,138 43	6973835	507447	653 48	62	53	46 38	128	51	12.59	146 12	140 64	135 98
-6400 W	-1275	tg97197	14.31	5304 87	0.65	0.001	0.00	982,145 87	982,138 45	6973859	507455	653 49	62	53	47 16	128	51	12.08	146 08	140 60	135 95
-6400 W	-1250	tg97197	14.37	5304 90	0.54	-0.001	0.00	982,145 90	982,138 46	6973883	507462	653 24	62	53	47 93	128	51	11.52	146 04	140 56	135 91
-6400 W	-1225	tg97197	14.41	5304 85	0.61	-0.002	0.00	982,145 87	982,138 48	6973907	507470	653 35	62	53	48 70	128	51	10.99	146 02	140 54	135 88
-6400 W	-1200	tg97197	14.47	5304 61	0.55	-0.005	0.00	982,145 59	982,138 50	6973931	507477	653 90	62	53	49 47	128	51	10.46	145 84	140 36	135 70
-6400 W	-1175	tg97197	14.53	5304 48	0.63	-0.006	0.01	982,145 48	982,138 51	6973955	507485	654 44	62	53	50.24	128	51	9.92	145 84	140 35	135 69
-6400 W	-1150	tg97197	15.08	5304 08	0.56	-0.011	0.02	982,145 03	982,138 53	6973979	507492	656 11	62	53	51 01	128	51	9.39	145 74	140 24	135 57
-6400 W	-1125	tg97197	15.12	5303 47	0.68	-0.014	0.04	982,144 42	982,138 54	6974002	507500	658 64	62	53	51 78	128	51	8.86	145 68	140 16	135 47
-6400 W	-1100	tg97197	15.18	5303 26	0.57	-0.016	0.07	982,144 17	982,138 56	6974026	507507	659 65	62	53	52.55	128	51</td				

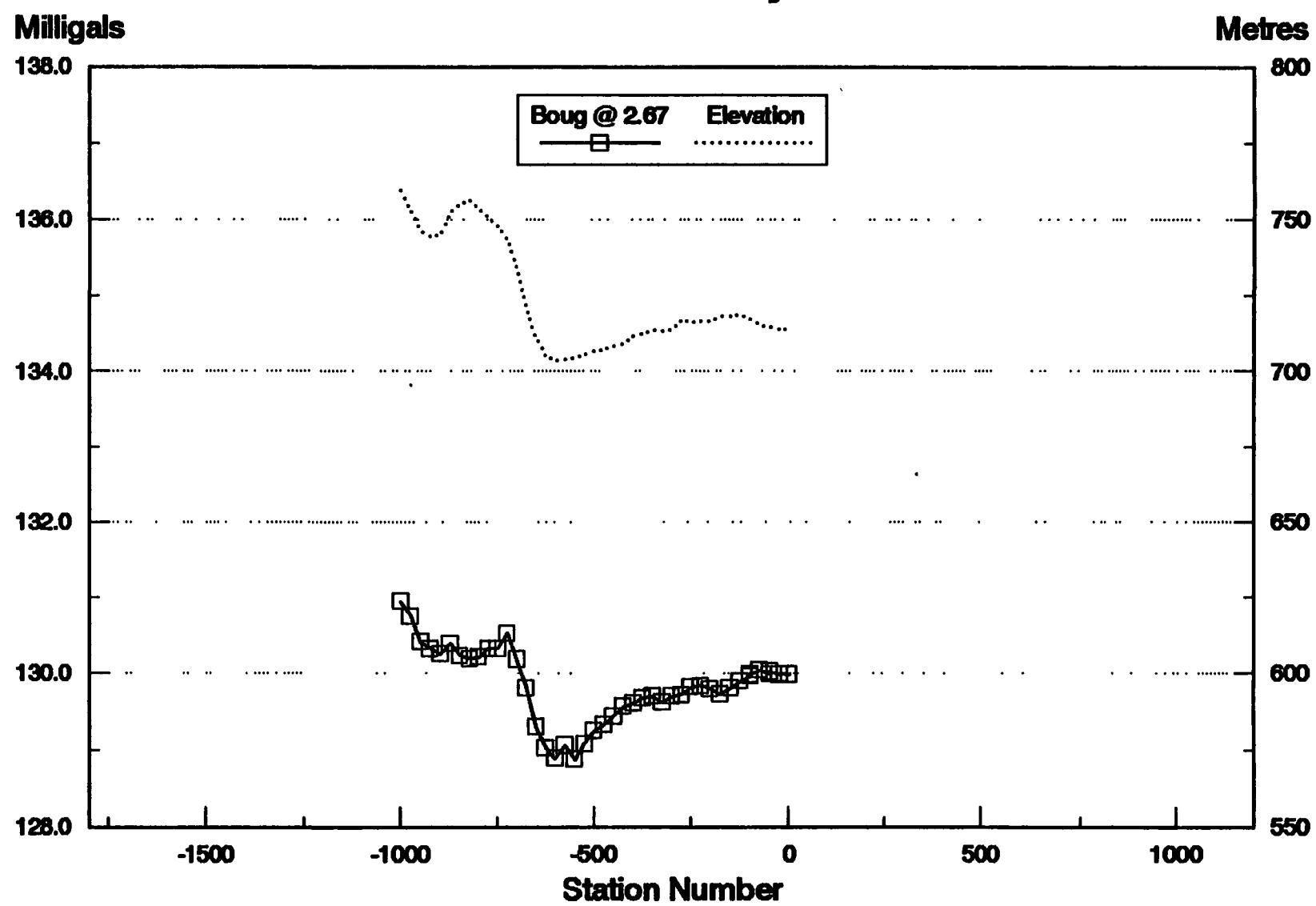
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-6500 W	-1300	tg97198	9 58	5305.10	0 58	0 019	0 00	982,148.14	982138.47	6973886	507297	652.20	62	53	48.02	128	51	23.26	148.06	140.60	138.95
-6500 W	-1275	tg97198	10 02	5305.16	0 64	0 020	0 00	982,148.23	982138.48	6973909	507304	652.21	62	53	48.78	128	51	22.71	148.13	140.66	138.02
-6500 W	-1250	tg97198	10 07	5305.18	0 54	0 021	0 00	982,148.22	982138.50	6973933	507312	652.39	62	53	49.55	128	51	22.15	148.15	140.68	138.03
-6500 W	-1225	tg97198	10 12	5304.98	0 59	0 021	0 00	982,148.02	982138.51	6973957	507320	652.77	62	53	50.32	128	51	21.59	148.02	140.54	138.89
-6500 W	-1200	tg97198	10 18	5304.87	0 58	0 022	0 02	982,145.90	982138.53	6973981	507328	653.17	62	53	51.08	128	51	21.03	145.98	140.51	138.88
-6500 W	-1175	tg97198	10 22	5304.77	0 62	0 022	0 04	982,145.81	982138.55	6974004	507336	653.69	62	53	51.85	128	51	20.48	148.01	140.54	138.89
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-6500 W	-1100	tg97198	10 44	5301.82	0 75	0 023	0 16	982,142.75	982138.59	6974078	507359	667.12	62	53	54.15	128	51	18.80	145.89	140.32	135.58
-6500 W	-1075	tg97198	10 58	5301.98	0 63	0 023	0 15	982,142.88	982138.61	6974099	507387	668.60	62	53	54.92	128	51	18.24	145.87	140.29	135.56
-6500 W	-1050	tg97198	11 03	5301.11	0 62	0 023	0 15	982,141.96	982138.62	6974123	507375	670.62	62	53	55.68	128	51	17.69	145.81	140.20	135.43
-6500 W	-1025	tg97198	11 08	5300.95	0 55	0 023	0 14	982,141.77	982138.64	6974147	507383	671.21	62	53	56.45	128	51	17.13	145.71	140.10	135.33
-6500 W	-1000	tg97198	11.13	5301.49	0 65	0 023	0 21	982,142.37	982138.65	6974171	507390	668.34	62	53	57.22	128	51	16.57	145.77	140.18	135.44
-6500 W	-975	tg97198	11 18	5302.42	0 55	0 023	0 32	982,143.32	982138.67	6974194	507398	668.70	62	53	57.98	128	51	16.01	145.84	140.31	135.61
-6500 W	-950	tg97198	11.22	5303.28	0 68	0 023	0 36	982,144.26	982138.69	6974218	507406	659.16	62	53	58.75	128	51	15.48	145.85	140.36	135.69
-6500 W	-925	tg97198	11 26	5304.09	0 68	0 022	0 28	982,145.11	982138.70	6974242	507414	654.63	62	53	59.52	128	51	14.90	145.67	140.21	135.57
-6500 W	-900	tg97198	11 30	5304.90	0 62	0 022	0 27	982,145.94	982138.72	6974265	507422	650.33	62	54	0.28	128	51	14.34	145.53	140.10	135.49
-6500 W	-875	tg97198	11 35	5305.77	0 46	0 022	0 25	982,146.81	982138.73	6974289	507429	647.67	62	54	1.05	128	51	13.78	145.79	140.38	135.79
-6500 W	-850	tg97198	11 39	5305.84	0 64	0 021	0 07	982,146.94	982138.75	6974313	507437	645.35	62	54	1.81	128	51	13.23	145.20	139.80	135.21
-6500 W	-825	tg97198	11 44	5306.06	0 67	0 021	0 06	982,147.18	982138.76	6974337	507445	643.79	62	54	2.58	128	51	12.67	145.08	139.69	135.11
-6500 W	-800	tg97198	11 49	5306.94	0 49	0 020	0 12	982,148.05	982138.78	6974360	507453	639.27	62	54	3.35	128	51	12.11	145.05	139.70	135.15
-6500 W	-775	tg97198	11 53	5307.78	0 59	0 020	0 23	982,148.96	982138.80	6974384	507461	634.25	62	54	4.11	128	51	11.55	145.01	139.71	135.21
-6500 W	-750	tg97198	11 59	5308.62	0 61	0 020	0 22	982,149.85	982138.81	6974408	507469	629.70	62	54	4.88	128	51	11.00	144.90	139.65	135.18
-6500 W	-725	tg97198	12 02	5309.28	0 49	0 019	0 22	982,150.50	982138.83	6974432	507476	626.14	62	54	5.65	128	51	10.44	144.79	139.56	135.12
-6500 W	-700	tg97198	12 07	5309.98	0 58	0 018	0 16	982,151.27	982138.84	6974455	507484	622.30	62	54	6.41	128	51	9.88	144.65	139.45	135.03
-6500 W	-675	tg97198	12 11	5310.40	0 61	0 017	0 05	982,151.72	982138.86	6974479	507492	620.55	62	54	7.18	128	51	9.32	144.59	139.39	134.97
-6500 W	-650	tg97198	12 15	5310.52	0 49	0 017	0 02	982,151.80	982138.87	6974503	507500	619.93	62	54	7.95	128	51	8.76	144.49	139.30	134.88
-6500 W	-625	tg97198	12 19	5310.55	0 49	0 016	0 02	982,151.84	982138.87	6974503	507500	619.93	62	54	7.95	128	51	8.76	144.52	139.33	134.91
-6500 W	-600	tg97198	12 25	5310.76	0 56	0 015	0 00	982,152.08	982138.89	6974527	507508	618.79	62	54	8.71	128	51	8.20	144.48	139.30	134.89
-6500 W	-575	tg97198	12 29	5310.77	0 70	0 014	0 00	982,152.13	982138.91	6974550	507515	618.52	62	54	9.48	128	51	7.65	144.46	139.28	134.87
-6500 W	-550	tg97198	12 35	5310.64	0 62	0 013	0 02	982,151.97	982138.92	6974574	507523	619.17	62	54	10.25	128	51	7.09	144.45	139.26	134.85
-6500 W	-525	tg97198	12 42	5310.68	0 61	0 012	0 02	982,152.00	982138.94	6974598	507531	618.54	62	54	11.02	128	51	6.53	144.33	139.15	134.74
-6500 W	-500	tg97198	12 47	5311.36	0 54	0 011	0 08	982,152.70	982138.95	6974622	507539	614.72	62	54	11.78	128	51	5.97	144.25	139.10	134.72
-6500 W	-475	tg97198	13 01	5311.47	0 61	0 008	0 02	982,152.83	982138.97	6974645	507547	613.74	62	54	12.55	128	51	5.41	144.11	138.97	134.59
-6500 W	-450	tg97198	13 07	5311.43	0 70	0 007	0 00	982,152.81	982138.98	6974669	507555	613.88	62	54	13.32	128	51	4.86	144.08	138.93	134.56
-6500 W	-425	tg97198	13 11	5311.51	0 69	0 006	0 00	982,152.89	982139.00	6974693	507562	613.28	62	54	14.08	128	51	4.30	144.02	138.88	134.51
-6500 W	-400	tg97198	13 16	5311.45	0 65	0 004	0 02	982,152.82	982139.02	6974717	507570	613.32	62	54	14.85	128	51	3.74	143.96	138.82	134.45
-6500 W	-375	tg97198	13 21	5311.28	0 67	0 003	0 01	982,152.64	982139.03	6974740	507578	613.63	62	54	15.62	128	51	3.18	143.87	138.72	134.35
-6500 W	-350	tg97198	13 25	5311.67	0 67	0 002	0 04	982,153.26	982139.05	6974764	507586	611.14	62	54	16.38	128	51	2.63	143.94	138.82	134.46
-6500 W	-325	tg97198	13 30	5312.09	0 74	-0.008	0.00	982,153.39	982139.06	6974788	507594	610.52	62	54	17.15	128	51	2.07	143.89	138.77	134.43
-6500 W	-300	tg97198	13 36	5312.18	0 63	-0.001	0.00	982,153.57	982139.08	6974812	507601	609.37	62	54	17.92	128	51	1.51	143.79	138.68	134.34
-6500 W	-27																				

-6500 W	-50	tg97196	14.28	5314.20	0.69	-0.016	0.07	982,155.67	982139.25	6975073	507687	597.65	62	54	26.35	128	50	55.38	143.31	138.30	134.05
-6500 W	-50	tg97196	14.47	5314.19	0.68	-0.022	0.07	982,155.68	982139.25	6975073	507687	597.65	62	54	26.35	128	50	55.38	143.32	138.32	134.06
-6500 W	-25	tg97196	14.34	5314.81	0.68	-0.018	0.04	982,156.33	982139.27	6975087	507695	594.43	62	54	27.12	128	50	54.82	143.24	138.28	134.02
-6500 W	-25	tg97196	15.16	5314.83	0.71	-0.031	0.04	982,158.35	982139.27	6975087	507695	594.43	62	54	27.12	128	50	54.82	143.26	138.28	134.04
-6500 W	0	tg97196	14.40	5315.17	0.73	-0.020	0.05	982,156.72	982139.28	6975120	507703	592.69	62	54	27.88	128	50	54.26	143.26	138.30	134.08

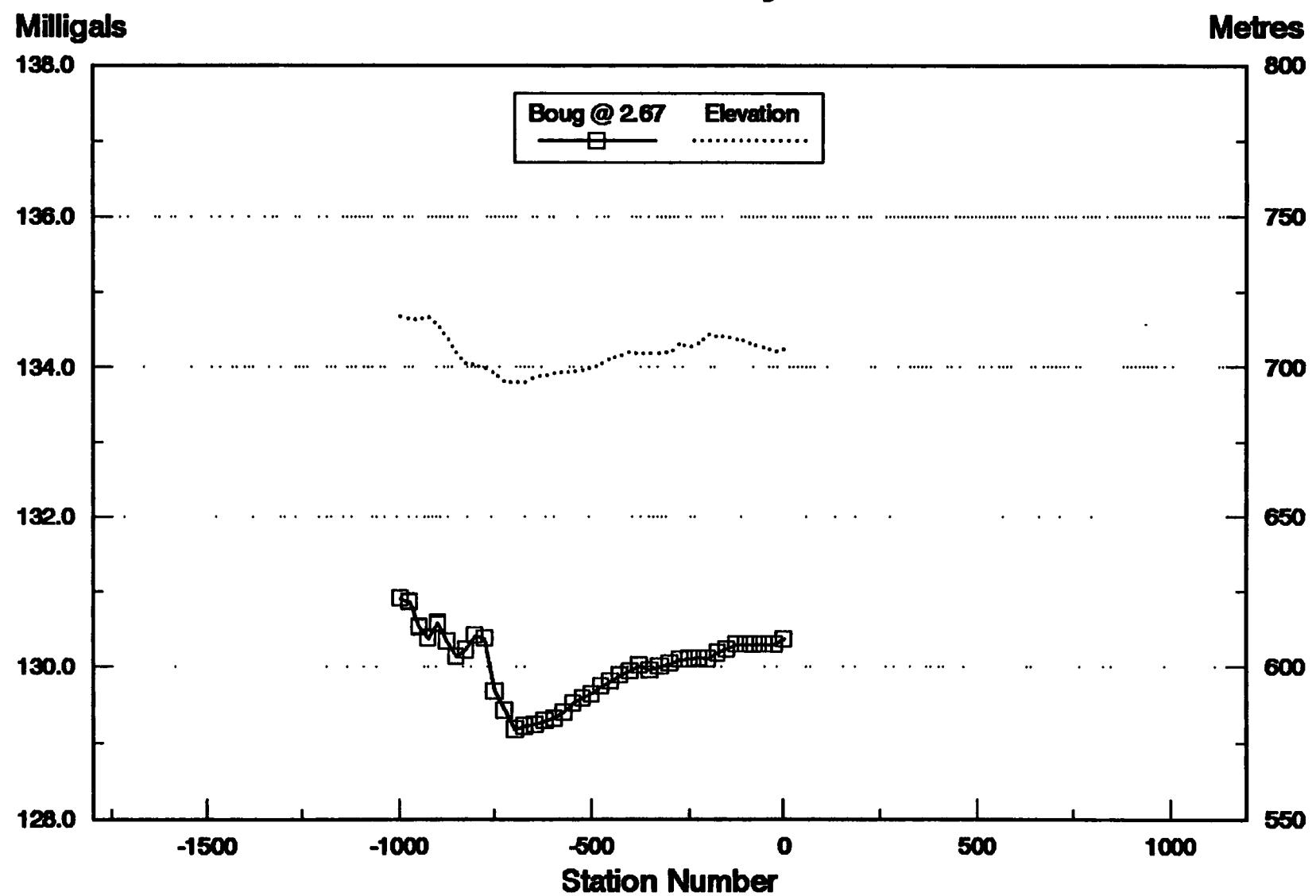
Line 3300W Gravity Profile



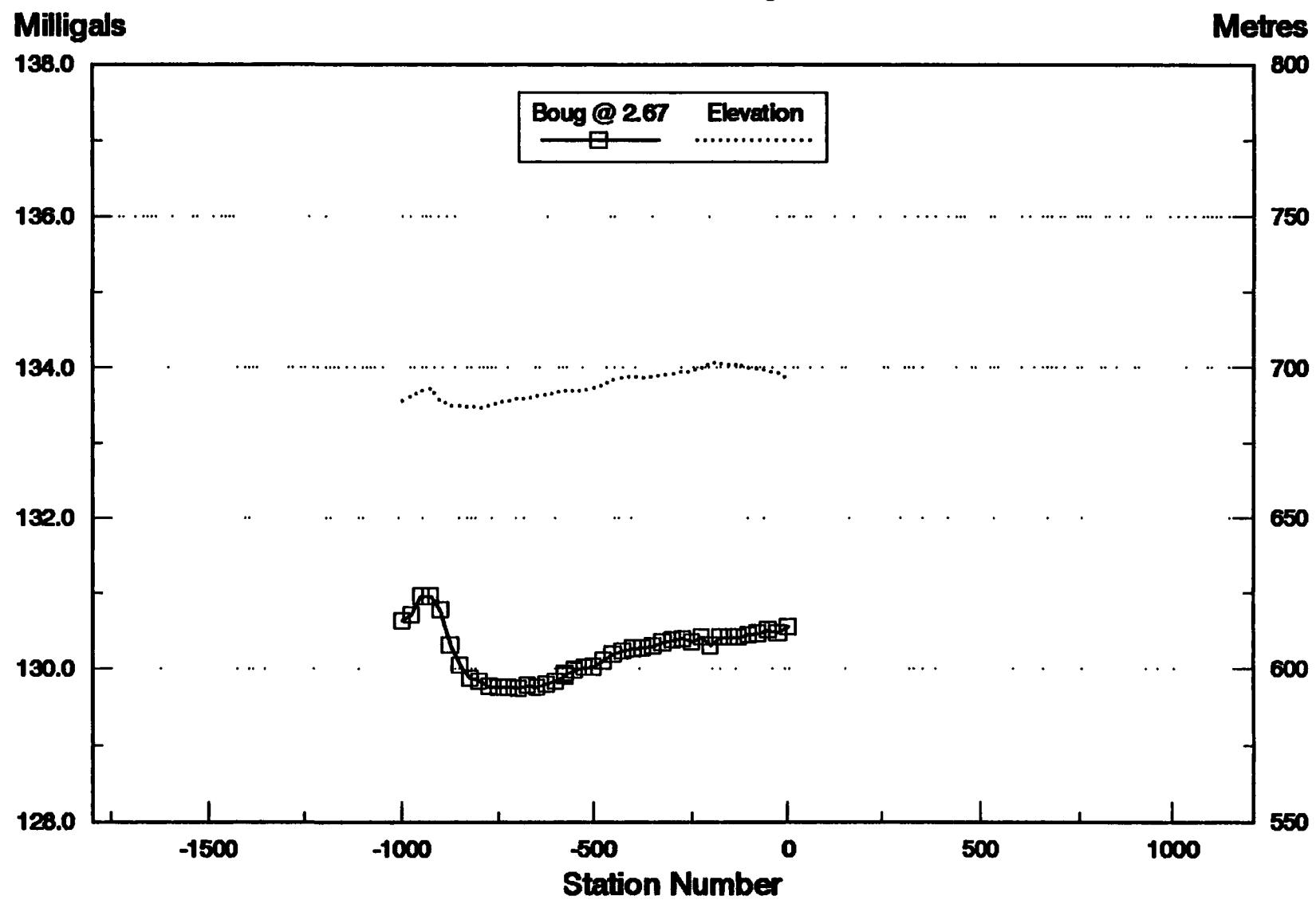
Line 3500W Gravity Profile



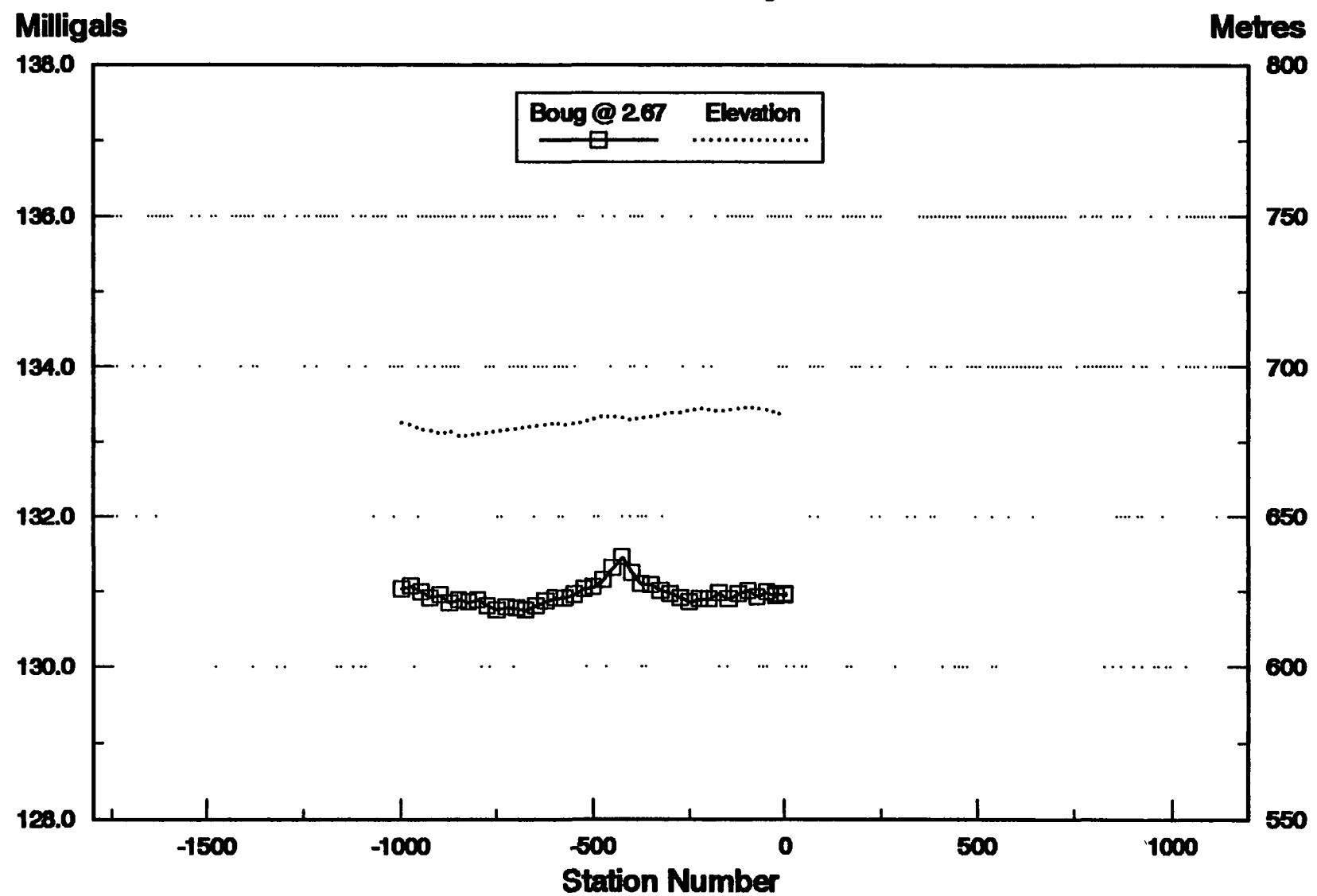
Line 3600W Gravity Profile



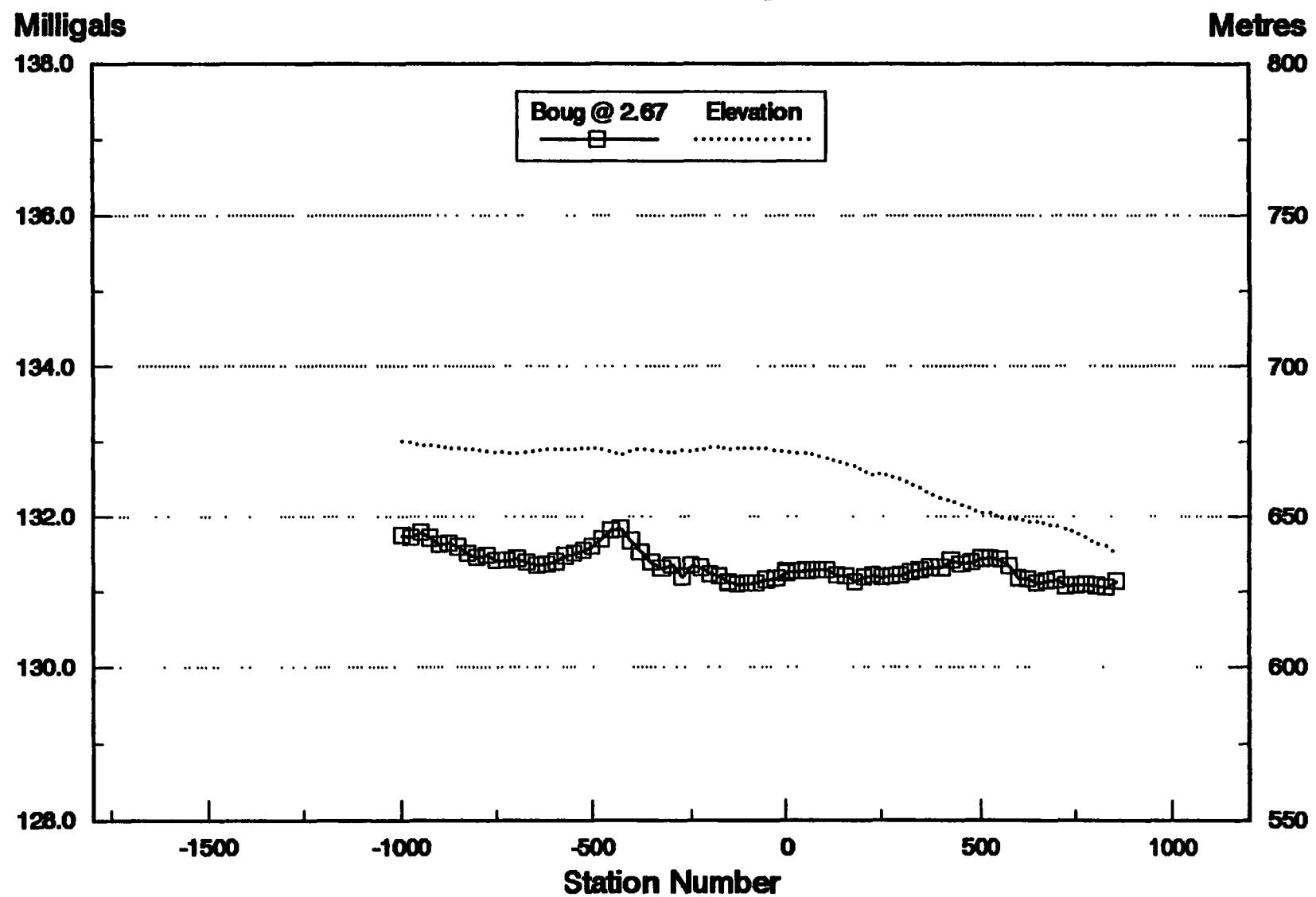
Line 3700W Gravity Profile



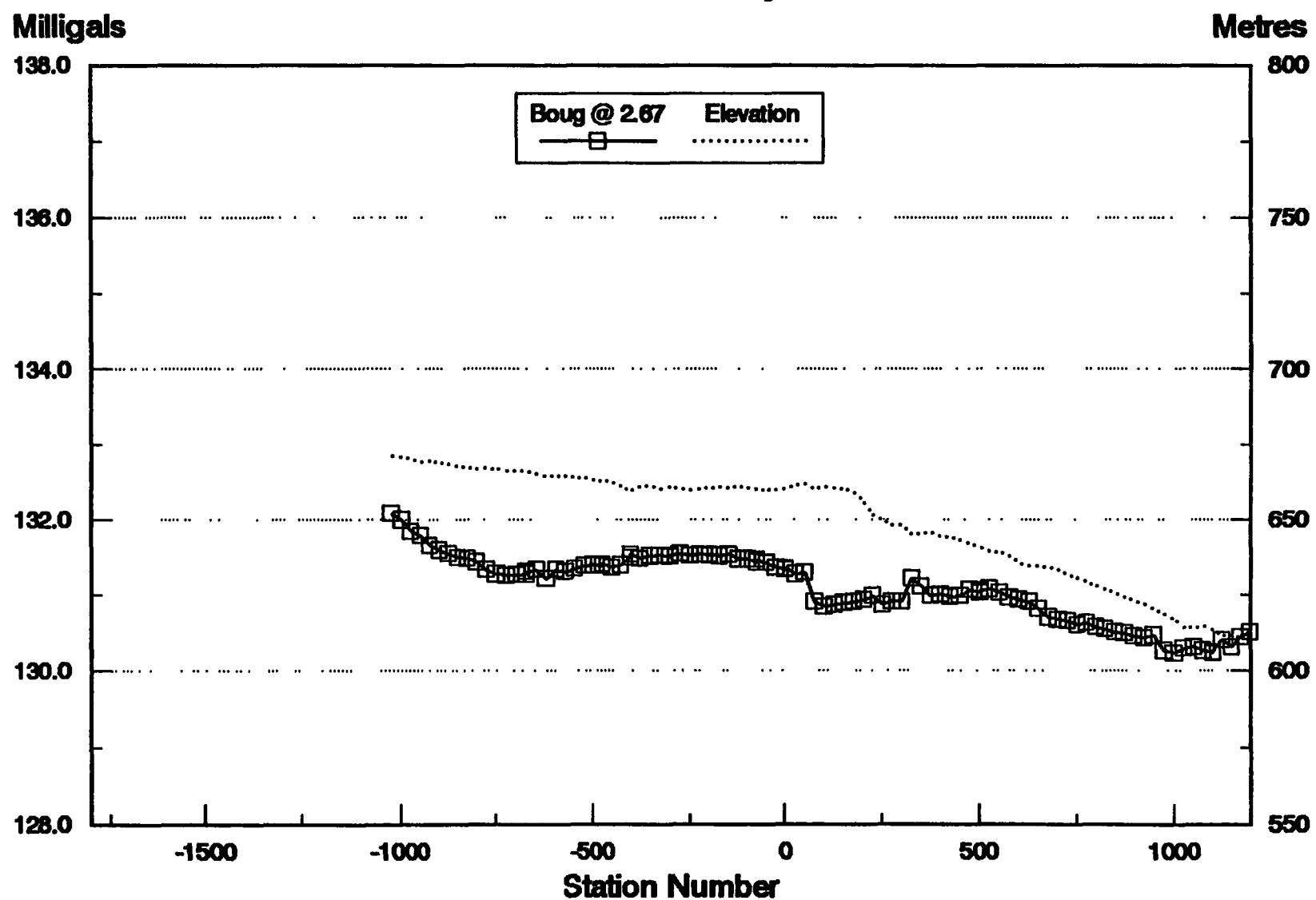
Line 3900W Gravity Profile



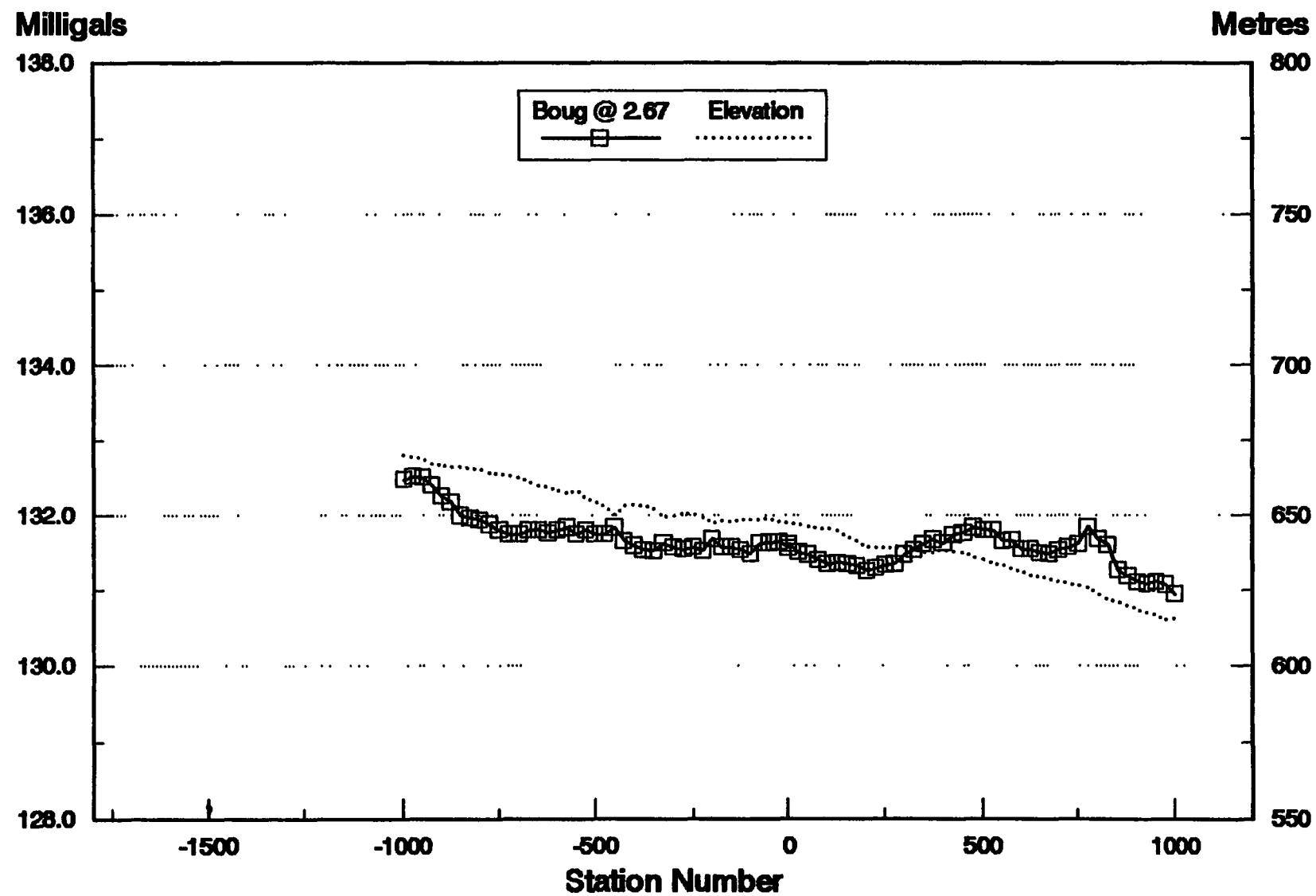
Line 4100W Gravity Profile



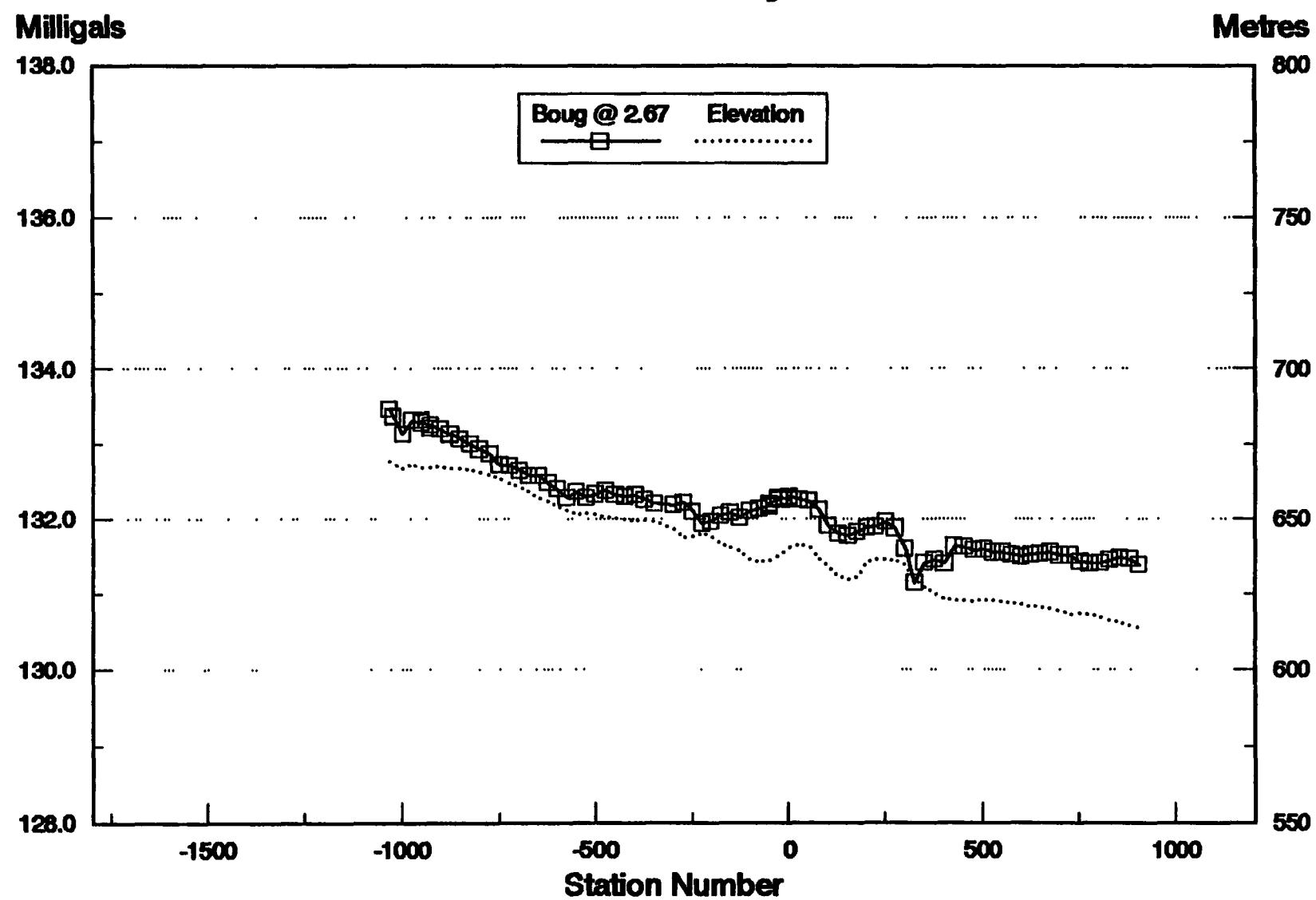
Line 4300W Gravity Profile



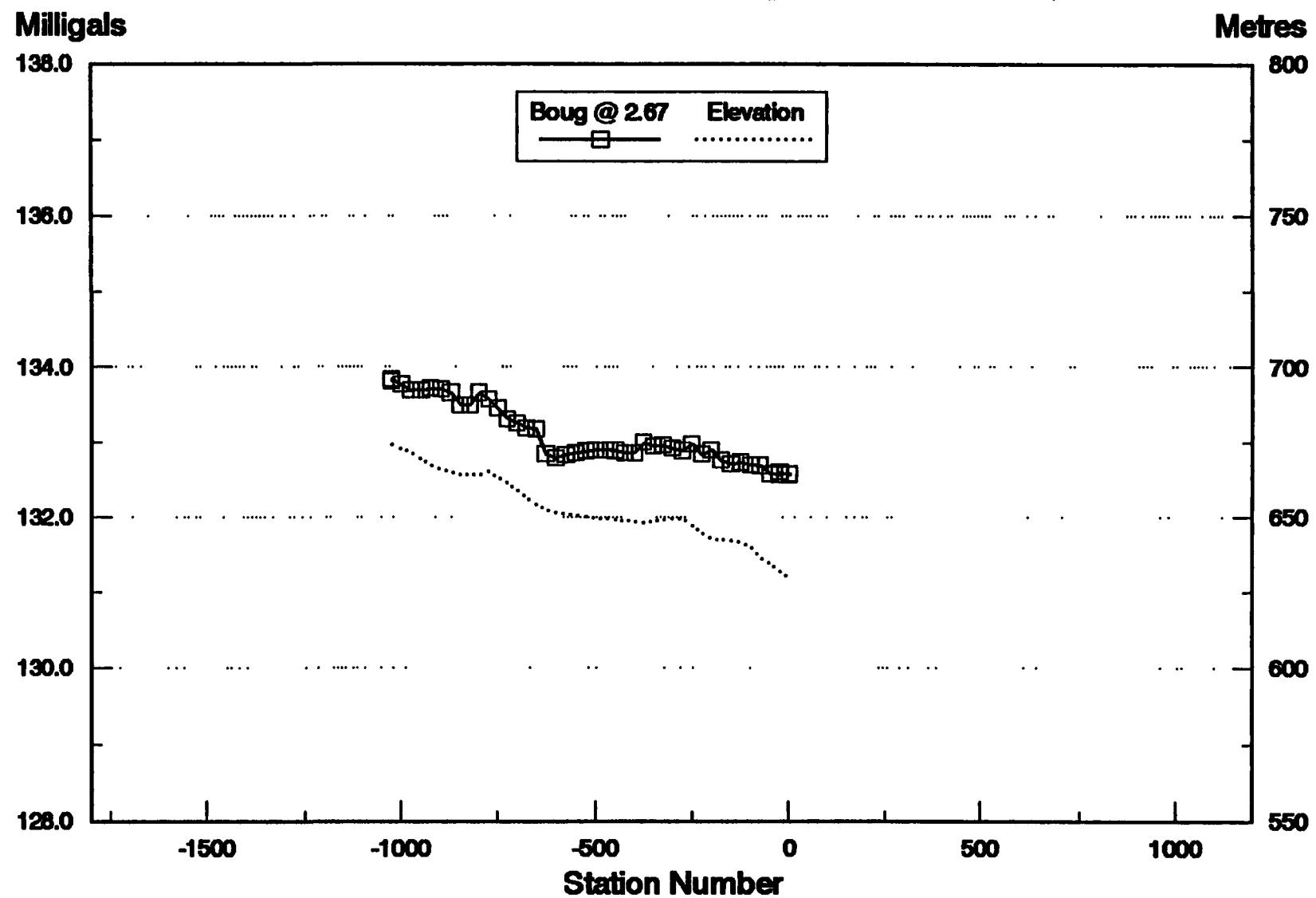
Line 4500W Gravity Profile



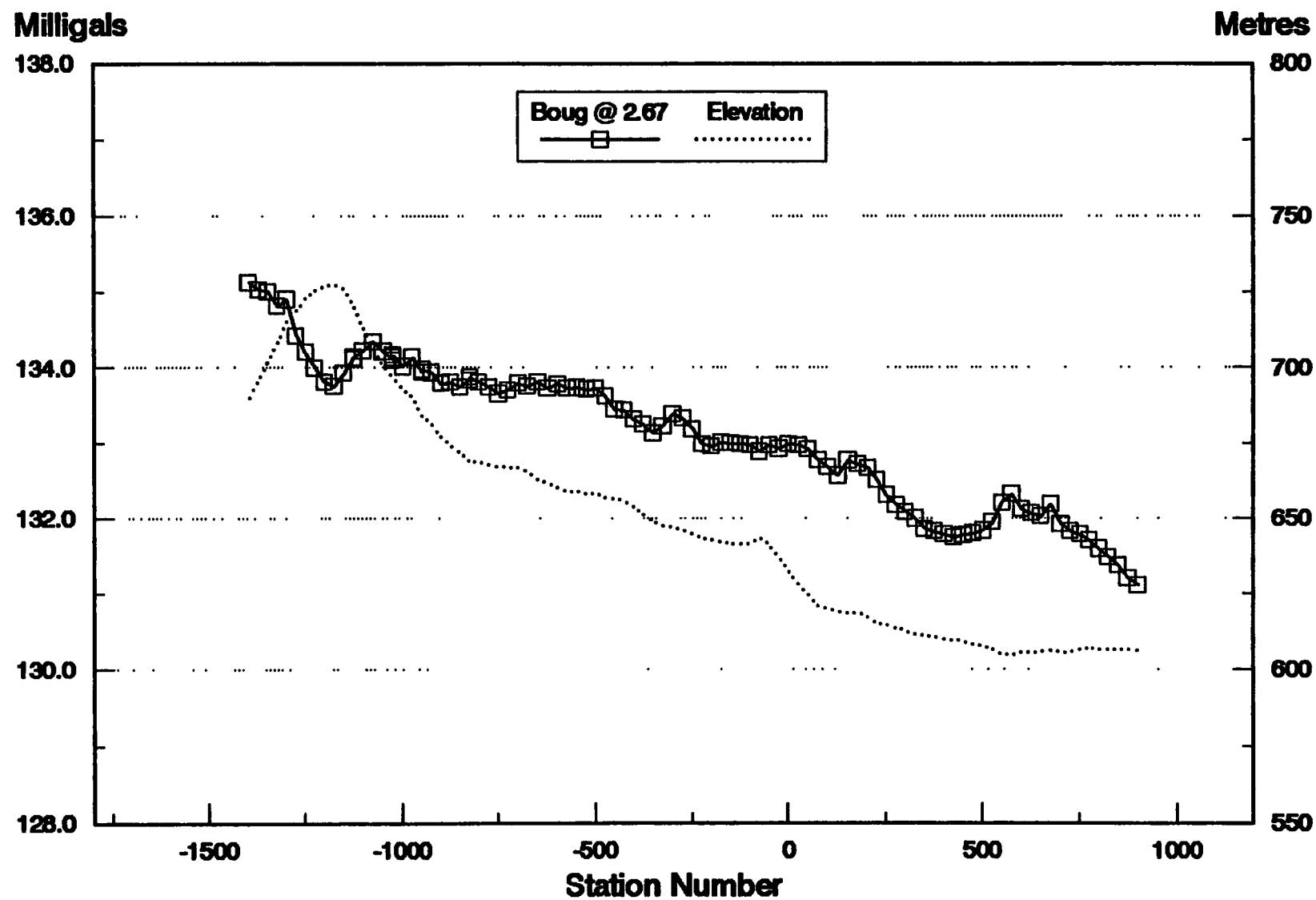
Line 4700W Gravity Profile



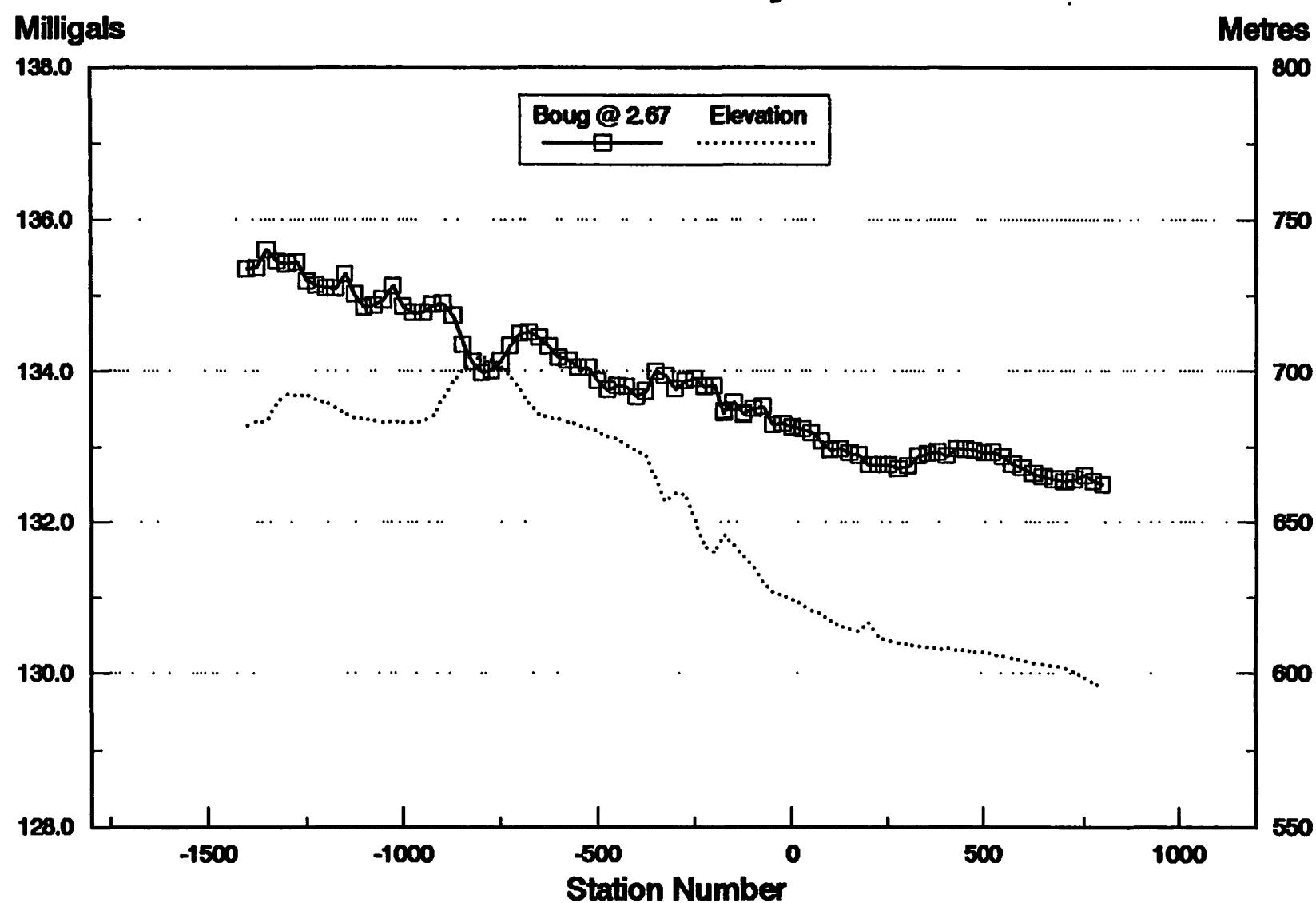
Line 4900W Gravity Profile



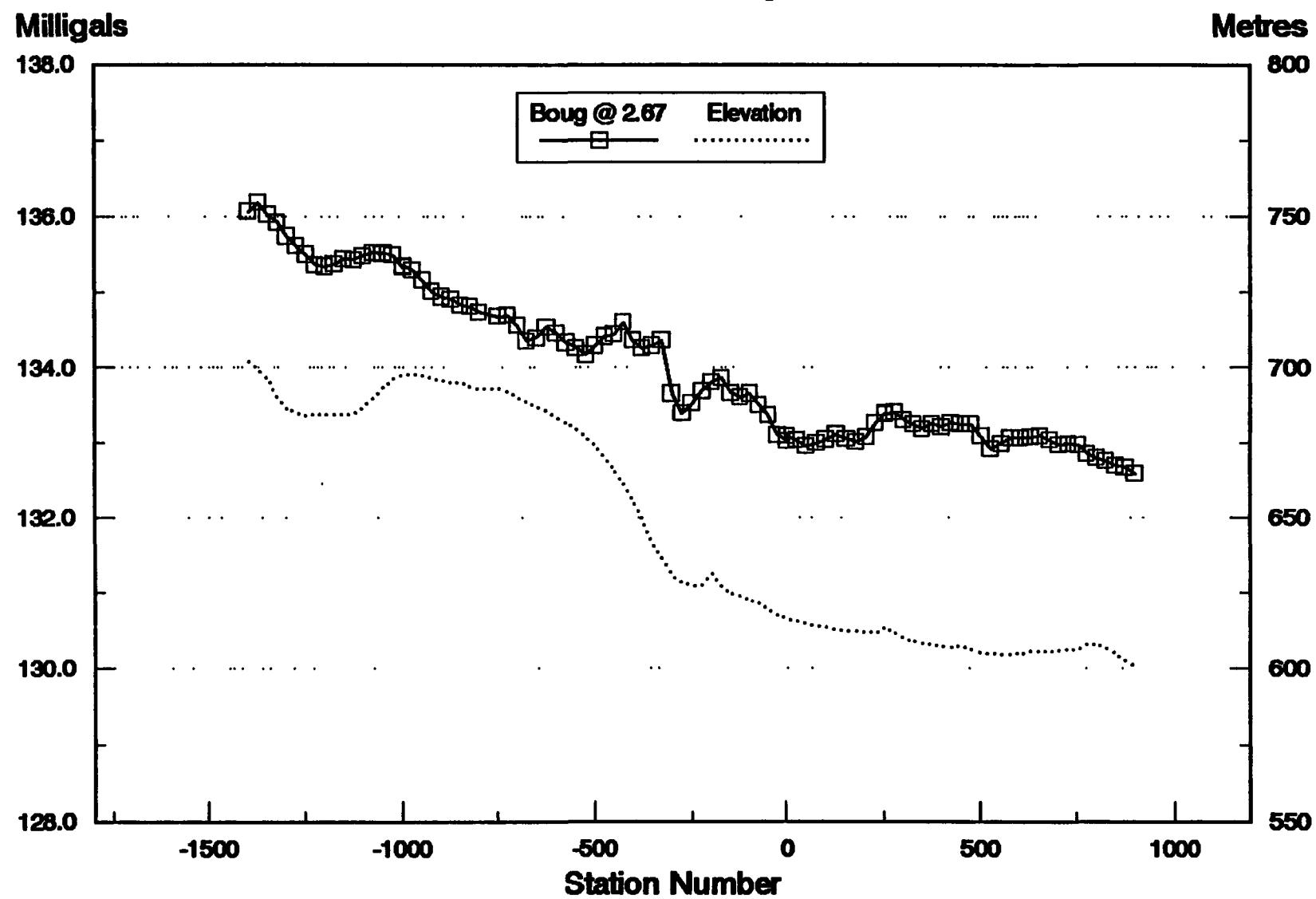
Line 5100W Gravity Profile



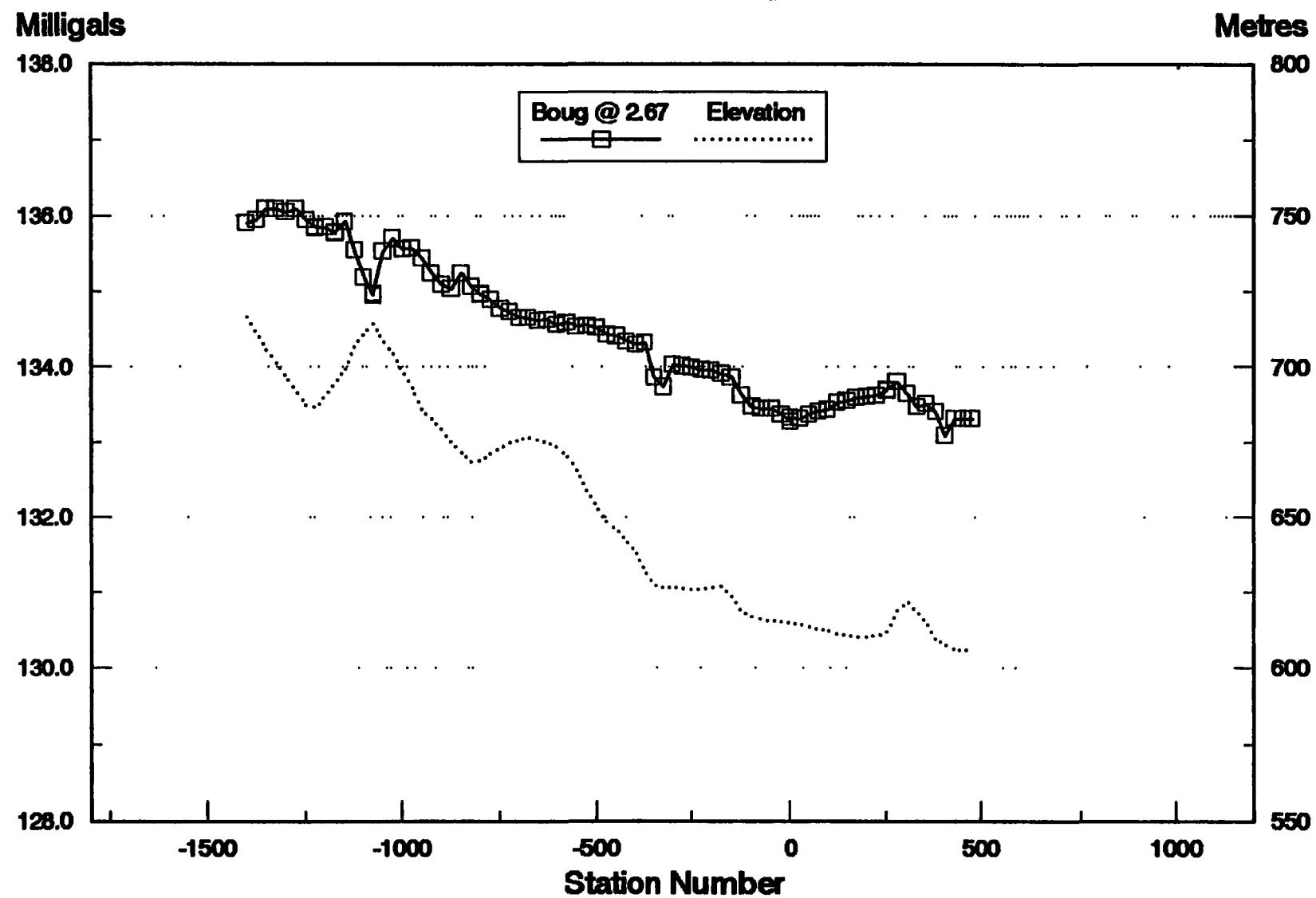
Line 5300W Gravity Profile



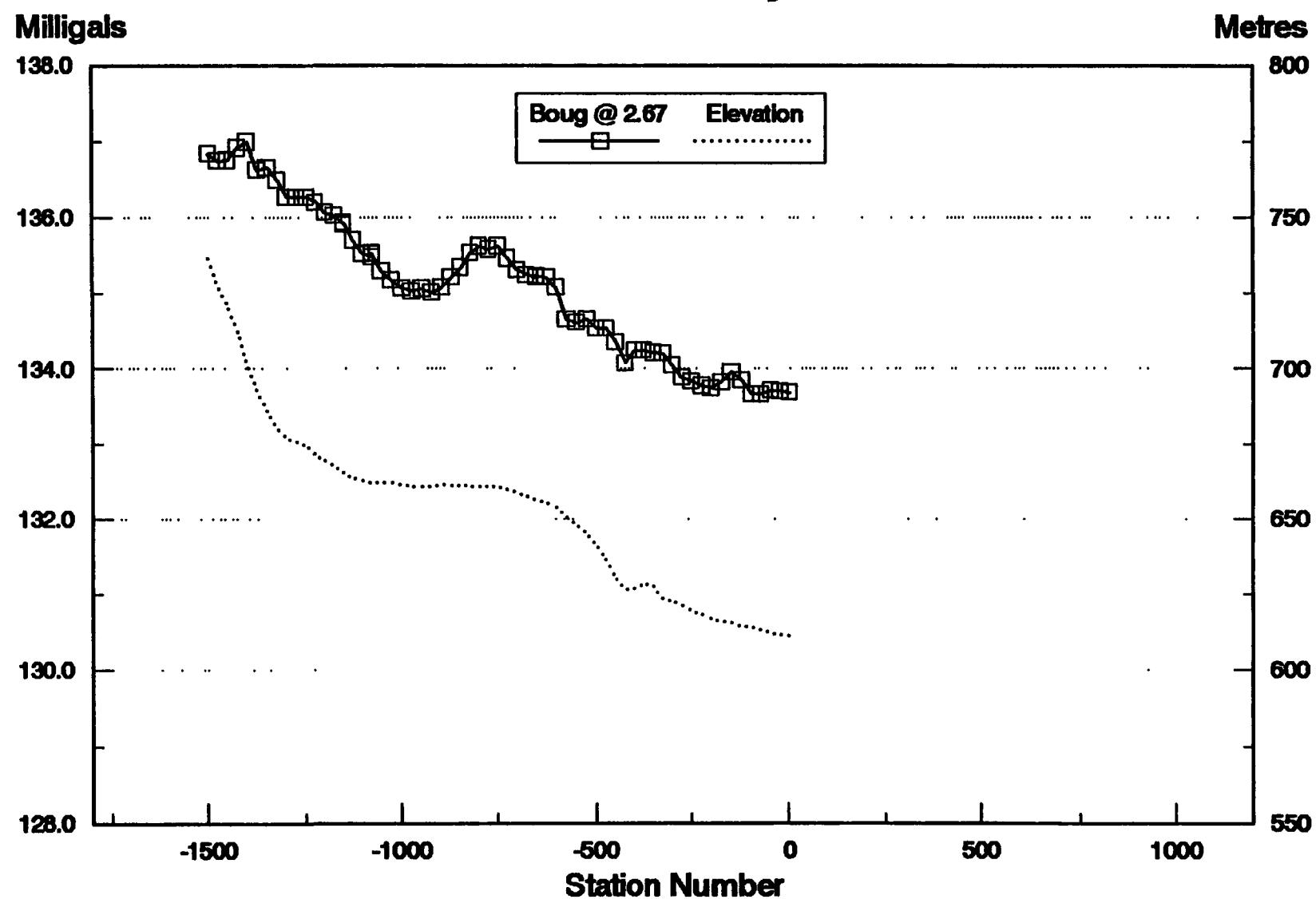
Line 5500W Gravity Profile



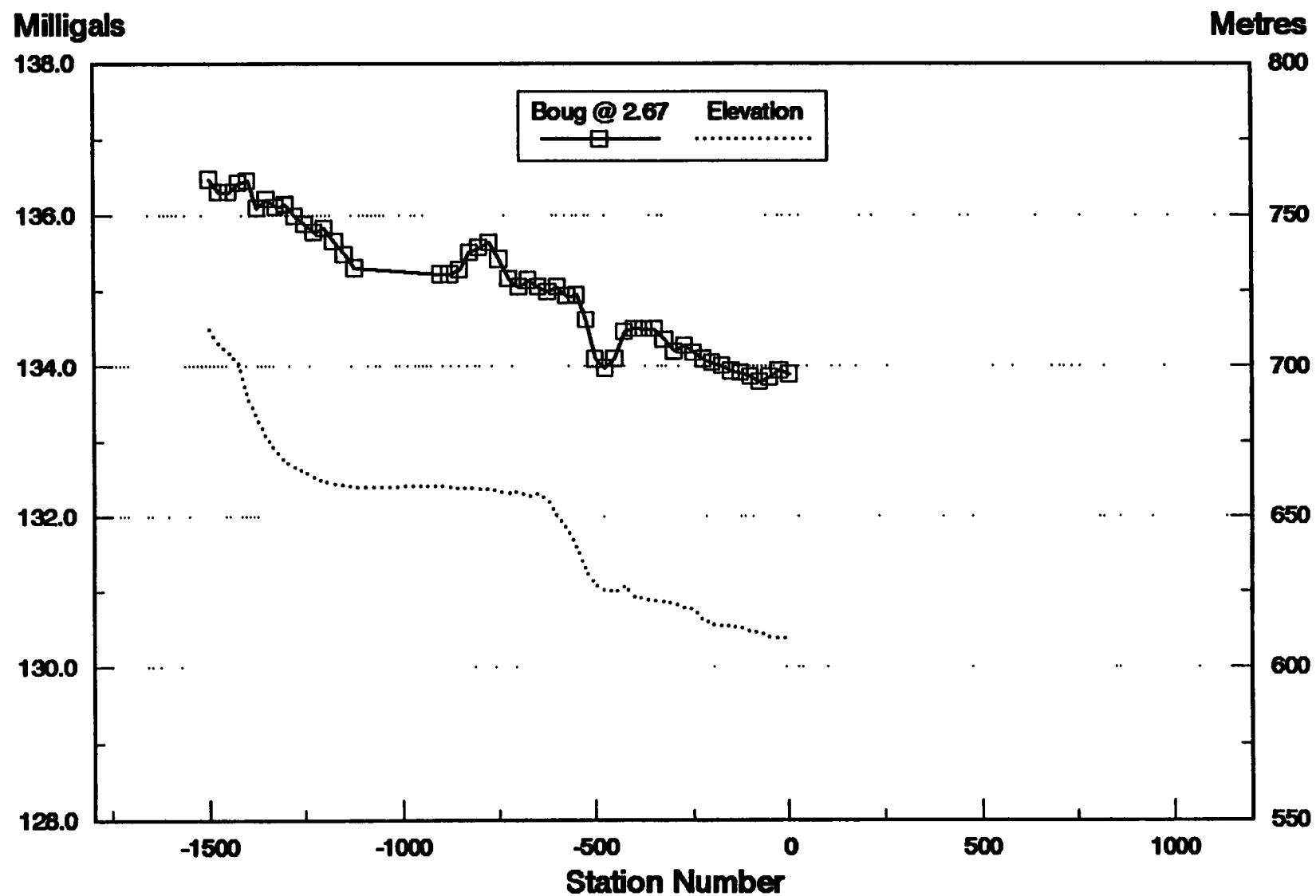
Line 5700W Gravity Profile



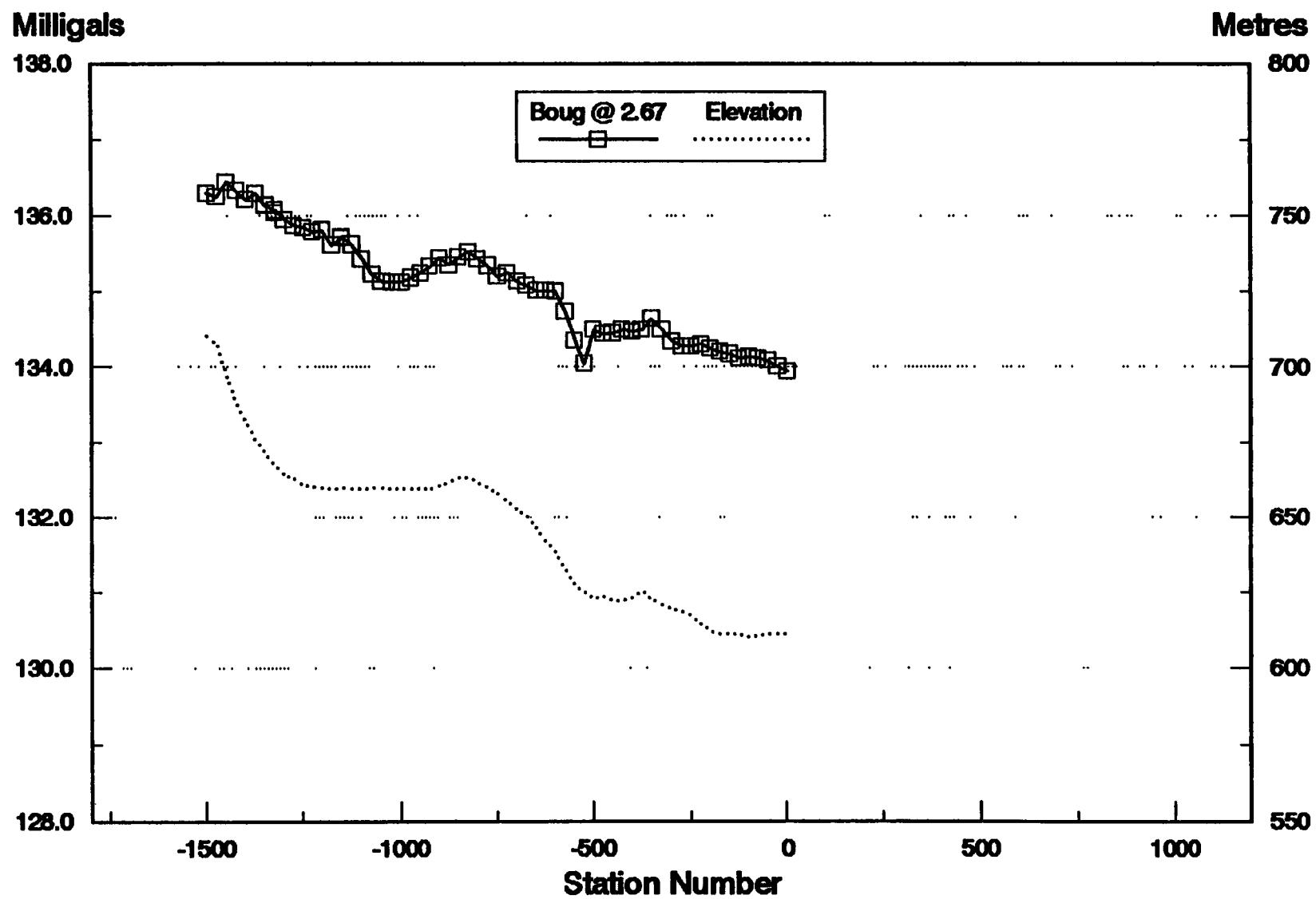
Line 5900W Gravity Profile



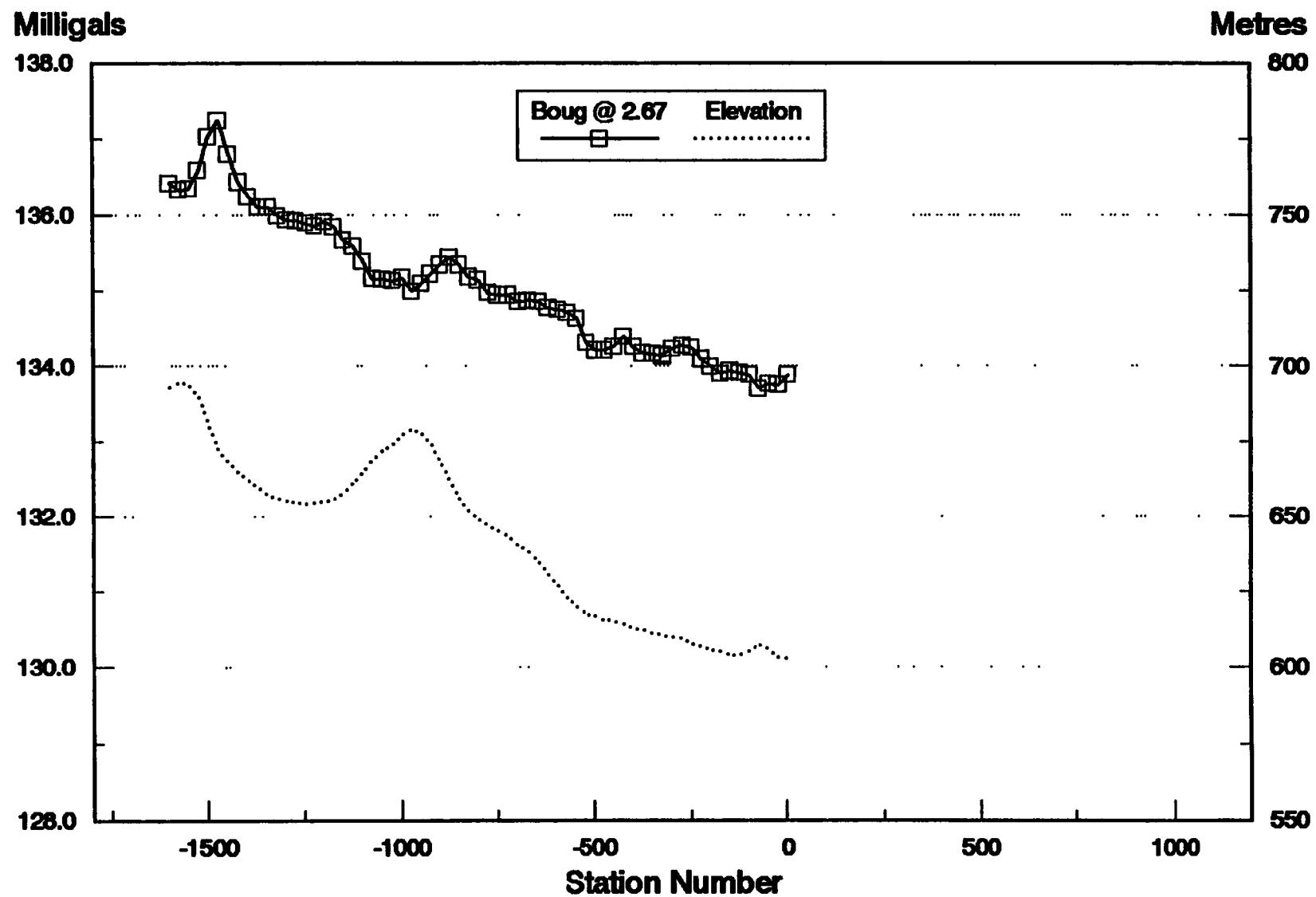
Line 6000W Gravity Profile



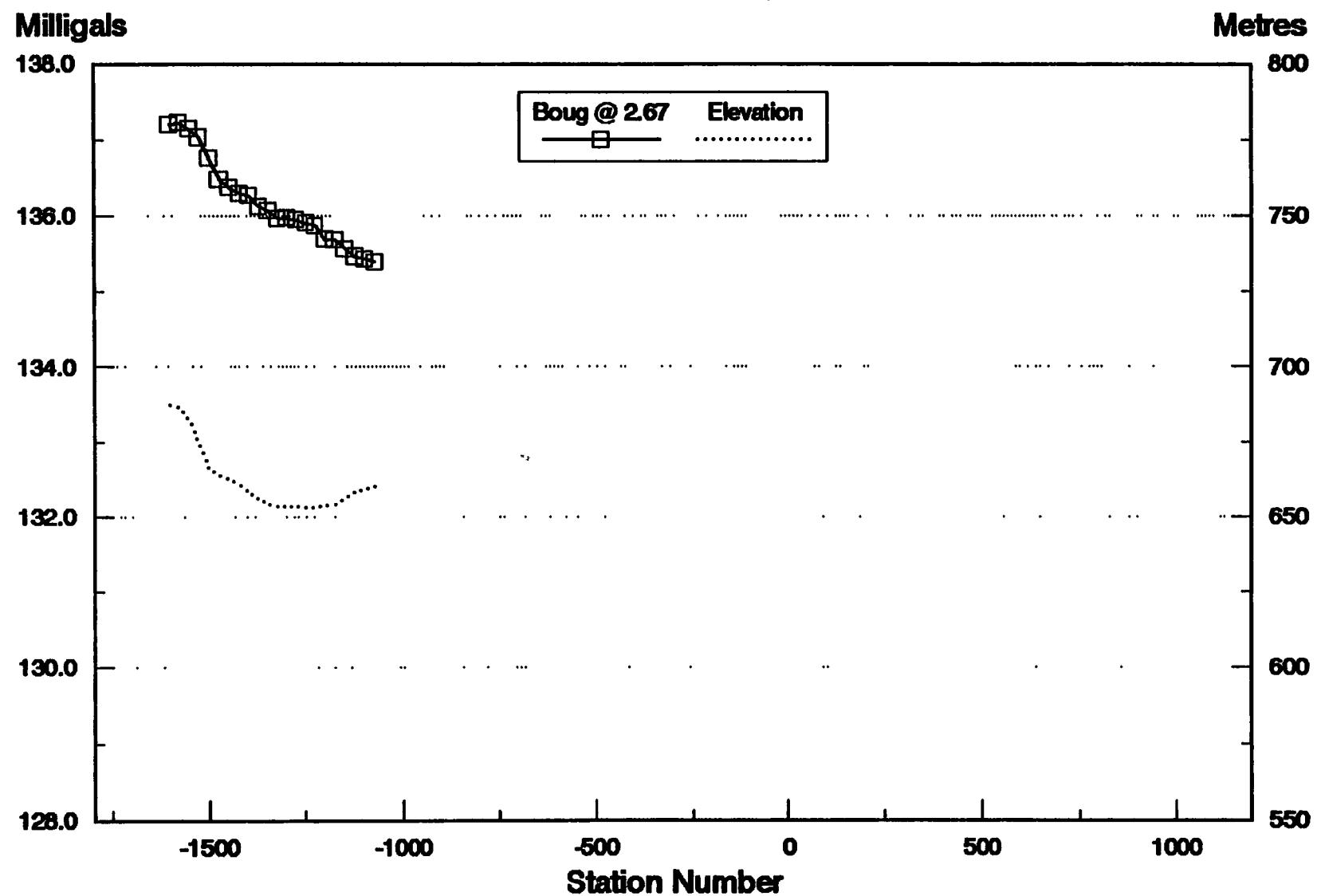
Line 6100W Gravity Profile



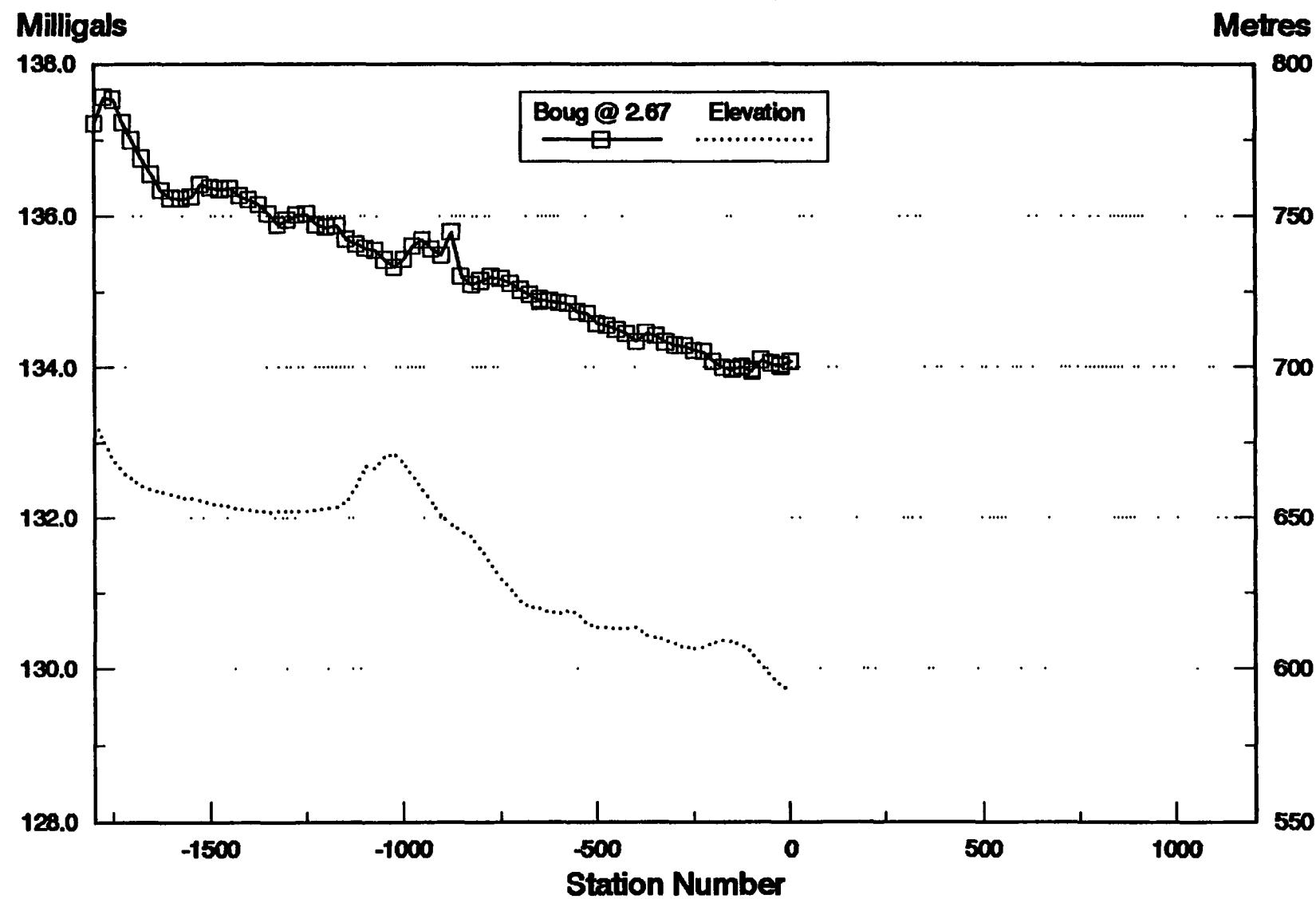
Line 6300W Gravity Profile



Line 6400W Gravity Profile



Line 6500W Gravity Profile



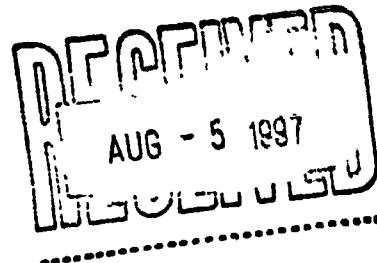


Amerok Geosciences Ltd.

Site 6, Comp 11
Whitehorse, Yukon
Y1A 5V8
Phone/fax: (403) 668-7672
amerok@yknet.yk.ca

August 1, 1997

Mr. Murray Jones
Equity Engineering Ltd.
207 - 675 West Hastings Street
Vancouver, BC
V6B 1N2



Re: Dromedary mag/VLF Surveys

Dear Murray,

Enclosed please find the completed plots for the mag survey (3 of each plot), a field report, survey and our invoice. Also enclosed is a disk containing all data, both raw and processed. The old data for the Anaconda, levelled to the new data, is also on disk.

We have e-mailed the data to Ken Robertson.

We trust that the job was completed to your satisfaction, and we look forward to working with you and Equity on future projects.

Sincerely,
AMEROK GEOSCIENCES LTD:

Ruth B. Hall, M.Sc.
Vice-President

RBH/rp

/encl.

Memorandum

AMEROK GEOSCIENCES LTD.
Site 6, Comp 11
Whitehorse YT
Y1A 5V8
(403) 668-7672 (Phone/fax)
amerok@yknet.yk.ca

August 1, 1997
File: 97-19

To: Murray Jones
Equity Engineering Ltd.
207 - 675 West Hastings Street
Vancouver BC
V6B 1N2

From: Carmen Lee

Re: Field Report - Dromedary Project, Francois Grid

This memorandum describes a Mag/VLF survey conducted on the Francois grid, Dromedary Project, from July 9 to 19, 1997.

- a) **Personnel & Equipment:** Amerok crew chief, Dan Hall, conducted a one person Mag/VLF survey using EDA Omni plus field and base station magnetometers with VLF receiver. Data was downloaded to a 486 laptop computer for subsequent processing and plotting. The daily survey logs are enclosed.
- b) **Grid and Survey specifications:** The survey grid consisted of lines spaced at 100 and 200 m with picketed flags every 25 m. The magnetometer survey covered a total of 68.7 line km with readings taken every 12.5 m. The 24 Hz VLF data was collected over 2.0 line km. Overall, there were 44 lines numbered from L2900W to 8700W. Approximately half the grid was clean and cut straight while the remainder was simple flagging. One battery cable was damaged due to snags from the dense bush resulting in the loss of a half a day.
- c) **VLF results:** The signal received from Culter, Maine (24.0 Hz) was too weak to collect accurate data. Two test lines (L 4100W and L4300W) were surveyed, and all equipment was thoroughly tested and found to be in good working order. The polarity of the In-Phase and Quadrature was not reversing as it should upon changing facing direction. The readings appear to be simply noise. After consultation with Murray Jones, the VLF survey was abandoned.

d) In-field data processing: The 1982 Anaconda Mag survey data used a reference field of 58 000 Gammas while the 1997 survey reference field was 57 000 Gammas; the 1982 results were adjusted accordingly. The compiled results are in the files 'CMmmdd.OMI'. Discrepancies in the chaining of the grid led to the following adjustments to the line numbering:

L6200 W north of the baseline renumbered as L6300 W
L6300 W north of the baseline renumbered as L6400 W
L6400 W north of the baseline renumbered as L6450 W
L6400 W south of the baseline renumbered as L6350 W
L6500 W north of the baseline renumbered as L6550 W
L6600 W north of the baseline renumbered as L6650 W
L6600 W south of the baseline renumbered as L6650 W

From the data collected on July 14, 3.6 km needed to be diurnally corrected by linear interpolation with an apparent 25 Gamma shift in base levels and was verified on July 16. The affected lines are:

L7000 W 2000S to 1100S
L7200 W 1125 S to 450 N
L7400 W 1125 S - 0 N

An error in the base station readings of less than 0.2 Gammas was introduced on July 16. The data file 'CM0716.OMI' was used without alterations.

e) Data Files: The raw field data is stored in the files RMmmdd.OMI, base station readings in BSmmdd.OMI, and diurnally corrected data in CMmmdd.OMI where mmdd represents the month and day. The spreadsheet MAG.XLS contains the compilation of the 1997 and 1982 surveys and the compiled XYZ data is in ALLMAG.XYZ. The XYZ formatted data from 1997 is contained in MAG97.XYZ.

f) Results: The 1982 plots show a strong East-West structure which is reflected in the 1997 data. L8700 W overlaps the Old Lone Mountain grid and will permit amalgamation of that data set with the current results.

Respectfully submitted,
AMEROK GEOSCIENCES LTD.


Carmen Lee
Geologist

CL/rp

AMEROK GEOSCIENCES LTD.

EQUITY ENGINEERING - DROMEDARY PROJECT

MAG / VLF SURVEY - DAILY LOG

Wed 09 July	Packed & checked equipment. Flew into camp with Summit Air & TNTA chopper.
Thurs 10 July	Hot & Sunny. Mag forecast quiet with active periods. Base station established outside of camp at -4775 E -995 N Party-pack battery appears to have a bad cell. Substituted spare belt pack, set cycling to 20 s.
	Production : L 2900 W 500 S - 0 N flagged, not cut. L 3000 W 500 S - 0 N flagged, not cut. L 3100 W 500 S - 1100 N flagged, not cut. L 3200 W 500 S - 0 N flagged, not cut. L 3300 W 1000 S - 1000N L 3500 W 0 N - 1000 N flagged, not cut. L 3700 W 1000 S - 1100 N 1100 m flagged, not cut.
	Total Production : 8.2 line kms Mag
Fri 11 July	Hot & Sunny. Mag forecast quiet. Cycled base station at 20 s. Base station Party-pack battery appeared normal this morning but died at 12:25 pm. Switched to belt pack, but lost 2 line kms. Re-surveyed L 4300 W and L 4500 W Rigged new Base Station battery pack with 2 spare OMNI Plus battery cells.
	Production : L 3500 W 1000 S - 0 N L 3600 W 1000 S - 0 N L 3900 W 1000 S - 1100 N 1100 m flagged, not cut. L 4100 W 1000 S - 1100 N 1000 m flagged, not cut (hit cut line at 175 N) L 4300 W 1025 S - 0 N L 4500 W 1025 S - 0 N L 4700 W 1025 S - 0 N L 4900 W 1037 S - 0 N

L 5100 W 1400 S - 1037 S
L 5200 W South of Tie line 1000 S, could not find line.

Total Production : 10.6 line kms Mag

Sat 12 July Overcast, threatening rain all day. Mag forecast quiet.
Base Station cycled at 20 s. Lyse changed batteries for me at 2:00 pm.

Production :

L 5900 W 1525 S - 1075 S
L 6000 W 1500 S - 1125 S
900 S - 0 N
L 6100 W 1500 S - 0 N
L 6300 W 1625 S - 900 N
L 6400 W 1600 S - 1075 S
0 N - 900 N
L 500 W 1825 S - 900 N
L 6600 W 0 N - 900 N Thickest bush I've ever seen !

Total Production : 10.7 line kms Mag

Sun 13 July Partly cloudy, hot. Mag forecast quiet.
Base station cycled at 20 s all day on new battery pack.
Attempted to read VLF Cutler Maine (NAA 24.0 Hz) on two lines.
Signal is too weak to produce usable data. Readings were not repeatable while facing in opposite directions. Checked all gear, swapped receivers & cables. Seattle (24.8 Hz) produced proper readings, so the problem is not equipment related.
Aborted VLF survey. Carried on with half day of Mag only.
Lost 2.0 kms Mag data upon restarting survey without VLF.

Production :

L 5100 W 1025 S - 0 N
L 5300 W 1400 S - 0 N
L 5500 W 1425 S - 900 N
L 5700 W 1400 S - 900 N 525 m flagged, not cut.

Total Production : 6.6 line kms Mag

Mon 14 July

Sunny & Hot again. Mag forecast quiet.

Base Station cycled at 20 s. STopped at 13:18 hrs for no obvious reason. The battery still showed a full 3-bar reading upon restarting at 18:15 hrs.

Diurnal variations from 8:00 to 13:18 ranged only about 15 gamma Range from 13:18 to 18:18 of 25 gamma.
Lines affected indicated below.

Production :

L 5900 W 1075 S - 900 N Cut line, all the rest flagged only.
L 6100 W 0 N - 900 N

L 6800 W 1800 S - 450 N
L 7000 W 2000 S - 1100 S no base station readings
L 7200 W 1125 S - 450 N no base station readings
L 7400 W 1125 S - 0 N no base station readings

Total Production : 5.1 line kms Mag with base station on,
3.6 line kms Mag without base station readings

Will attempt to confirm interpolated diurnal corrections for these three lines with 15 repeated data points another day.

Tues 15 July

Overcast, muggy & buggy. Mag quiet with storm intervals.

Base Station cycled at 20 s in am, then 15 s in pm.

Base station battery switched to party pack at 14:00 , dead by 15:00 hrs !

Field unit belt pack cable shorted under strain from dense bush whacking. Forced to return 4.5 kms to camp after only 1.8 kms of surveying to change belt packs. Repaired this evening.

The afternoon data (4.2 kms) was lost due to base station failure. All told, I covered 16 kms through uncut bush for only 1.8 kms data.

Lyse's (the cook) dog died this morning from injuries sustained fighting with the other dog in camp . A grim day.

Production :

L 8200 W 1190 S - 350 N All lines flagged only, not cut.
L 8100 W 0 N - 375 N

Total Production : 1.8 line kms Mag.

Weds 16 July

Overcast, cooler. Mag quiet. Base Station cycled 15 s.
Lyse changed battery belt packs at 13:00 hrs.
I used canister batteries in the field. One pack ran all day.
Attempts last night to operate the base station from the charger failed. The Omni wouldn't turn on, and when the battery was connected, the display and memory was scrambled.
The field unit lost the time and date at the start of surveying this morning. No apparent reason. Reset time arbitrarily at 09:30. The base station was 9 mins 27 secs out of sync.
The diurnal corrections were very quiet and an analysis of the base station file found that the error induced by being out of sync averaged 0.13 Gamma (Std Dev 1.6 G). Hence the data is acceptable for use.

This morning we used a helicopter set-out to the top of Lone Mtn and crashed bush downhill to Line 8700 W, on the old Lone Mtn grid.

Production :

L 8700 W 2175 S - 1165 S All lines flagged only, not cut.
L 8400 W 1175 S - 2200 S
L 8000 W 2262 S - 400 N
L 7800 W 1137 S - 400 N

Total Production : 6.1 line kms Mag

Thurs 17 July

Cloudy with some sun & showers. Very buggy.
Mag forecast quiet with active intervals. Base Station at 15 s.
No equipment problems today !

Production :

L 5000 W 0 N - 900 N
L 5100 W 0 N - 900 N
L 5300 W 0 N - 900 N
L 5200 W 1450 S - 1050 S
L 5600 W 1400 S - 1062 S
0 N - 900 N
L 7200 W 2000 S - 1125 S
L 7600 W 2175 S - 0 N

Total Production : 7.4 line kms Mag

Fri 18 July Overcast, buggy.
Mag forecast quiet. Base Station at 20 s.
A good, quick day close to camp

Production :

L 4100 W	0 N - 850 N	resurveyed up cut line
L 4300 W	0 N - 1200 N	
L 4400 W	0 N - 1200 N	
L 4500 W	0 N - 950 N	
L 4600 W	0 N - 850 N	stations out by 50 m at baseline
L 4700 W	0 N - 900 N	
L 4800 W	0 N - 900 N	
L 4900 W	0 N - 900 N	

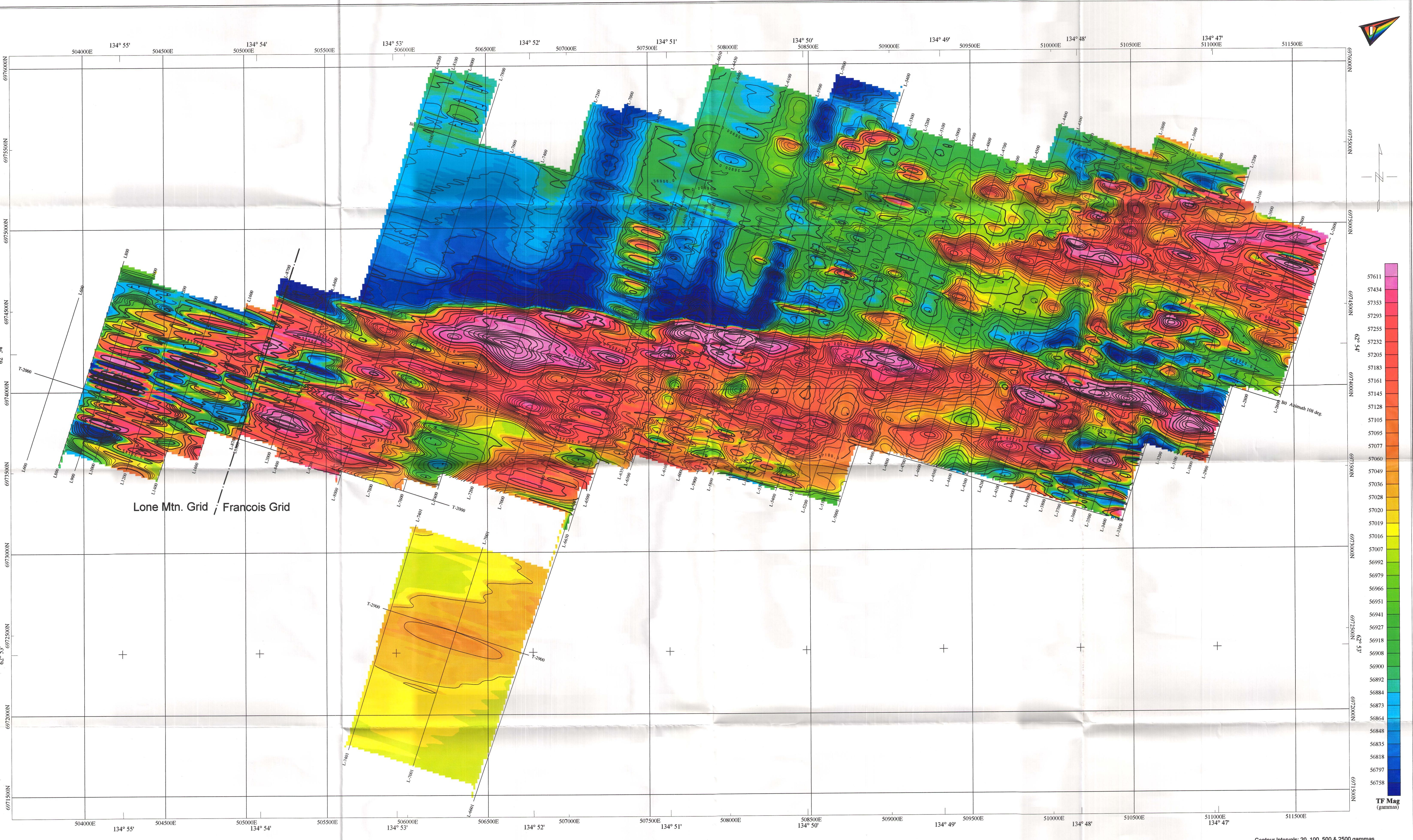
Total Production : 7.7 line kms Mag

Sat 19 July Partly cloudy, cooler.
Mag forecast quiet. Base Station at 15 s.
Flagged one line of grid (L5200 W) for Equity, and surveyed it.
Final data processing, check & pack gear for 19:00 hrs demob.

Production :

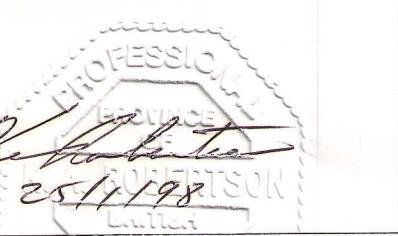
L 5200 W	0 N - 900 N	Flagged line, then surveyed.
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Total Production : 0.9 line kms Mag

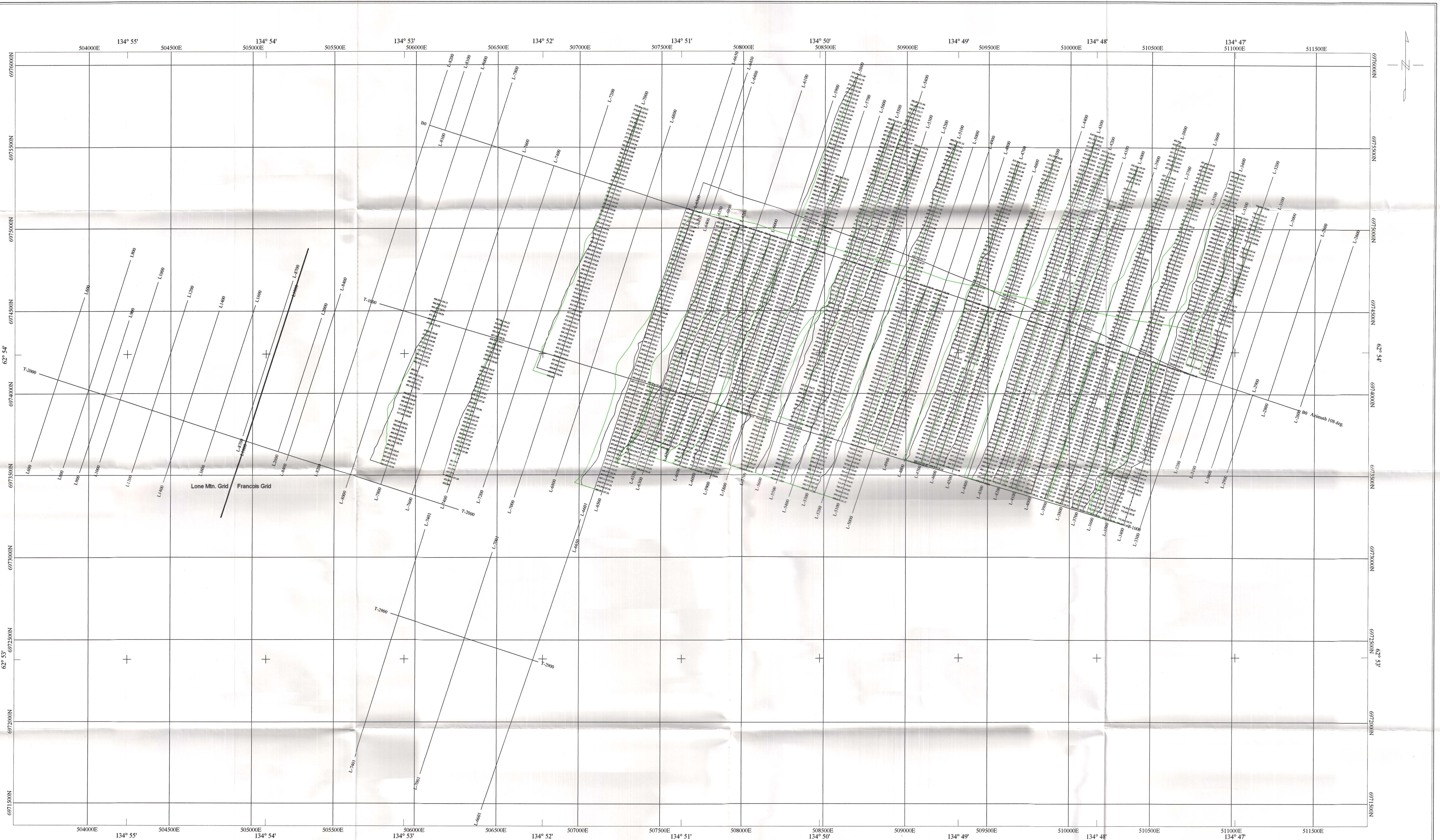


POSTED MAGNETOMETER READINGS (Base of 56,000 gammas removed)

BLACKSTONE RESOURCES INC. DROMEDARY PROPERTY



Blackstone Resources Inc.
Dromedary Property, Yukon
Francois & Lone Mtn. Grids
Magnetometer Survey Compilation
NTS 105L/15, UTM Zone 8
Baseline AZ 108 deg
Processed by: K. Robertson, P Geo
Date: December 20, 1997
VOX Image Limited



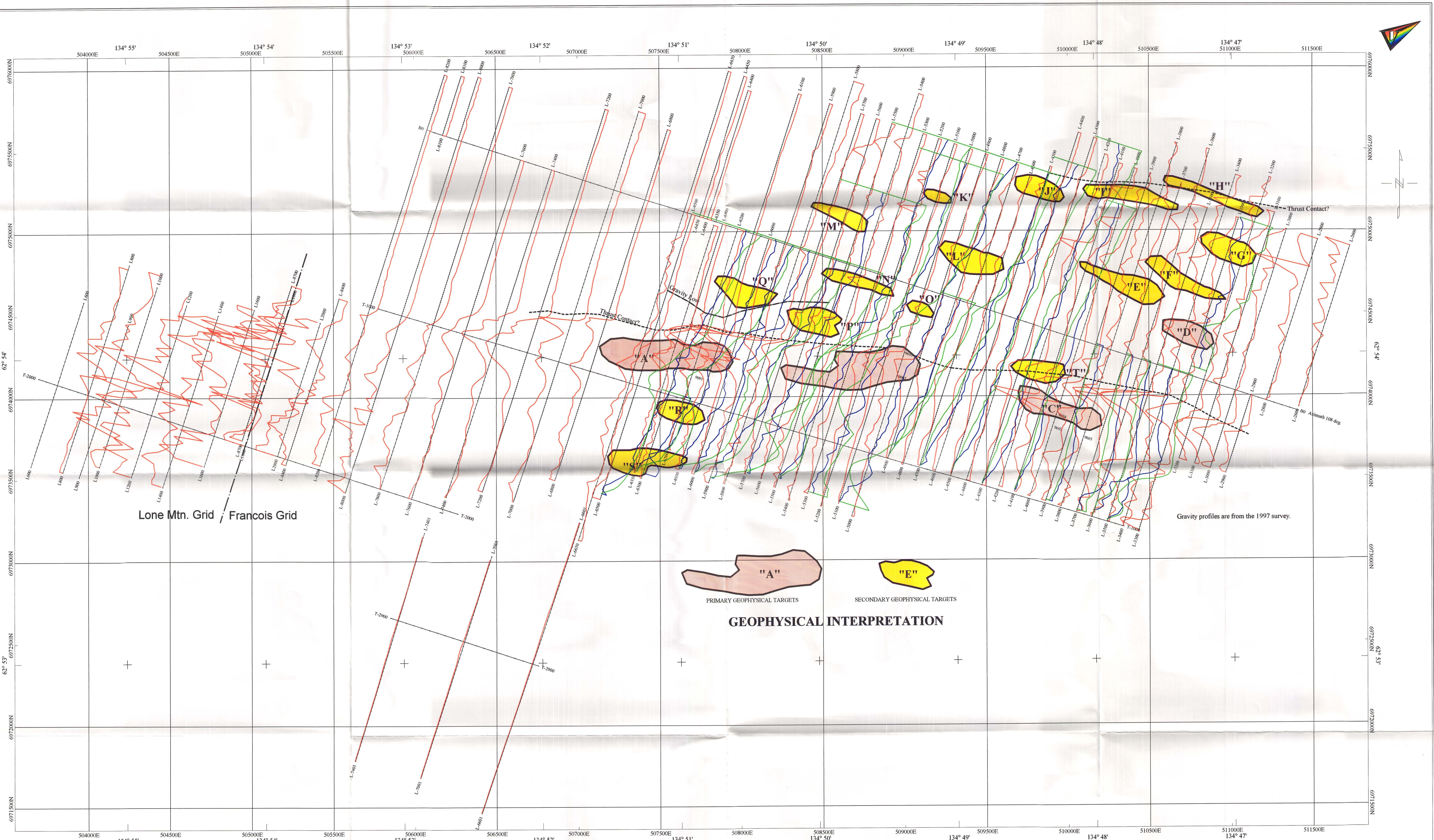
A scale bar and title block for a map. The title block contains the text "Scale 1:10000" and "© Crown Copyright". The scale bar shows distances of 0, 200, 400, and 600 units, with a centimeter scale at the bottom.

Bouguer Gravity Values
($gB=2.67 \text{ g/cc}$)

Elevations

Blackstone Resources Inc.

Dromedary Property, Yukon
Francois & Lone Mtn. Grids
Gravity Survey Compilation

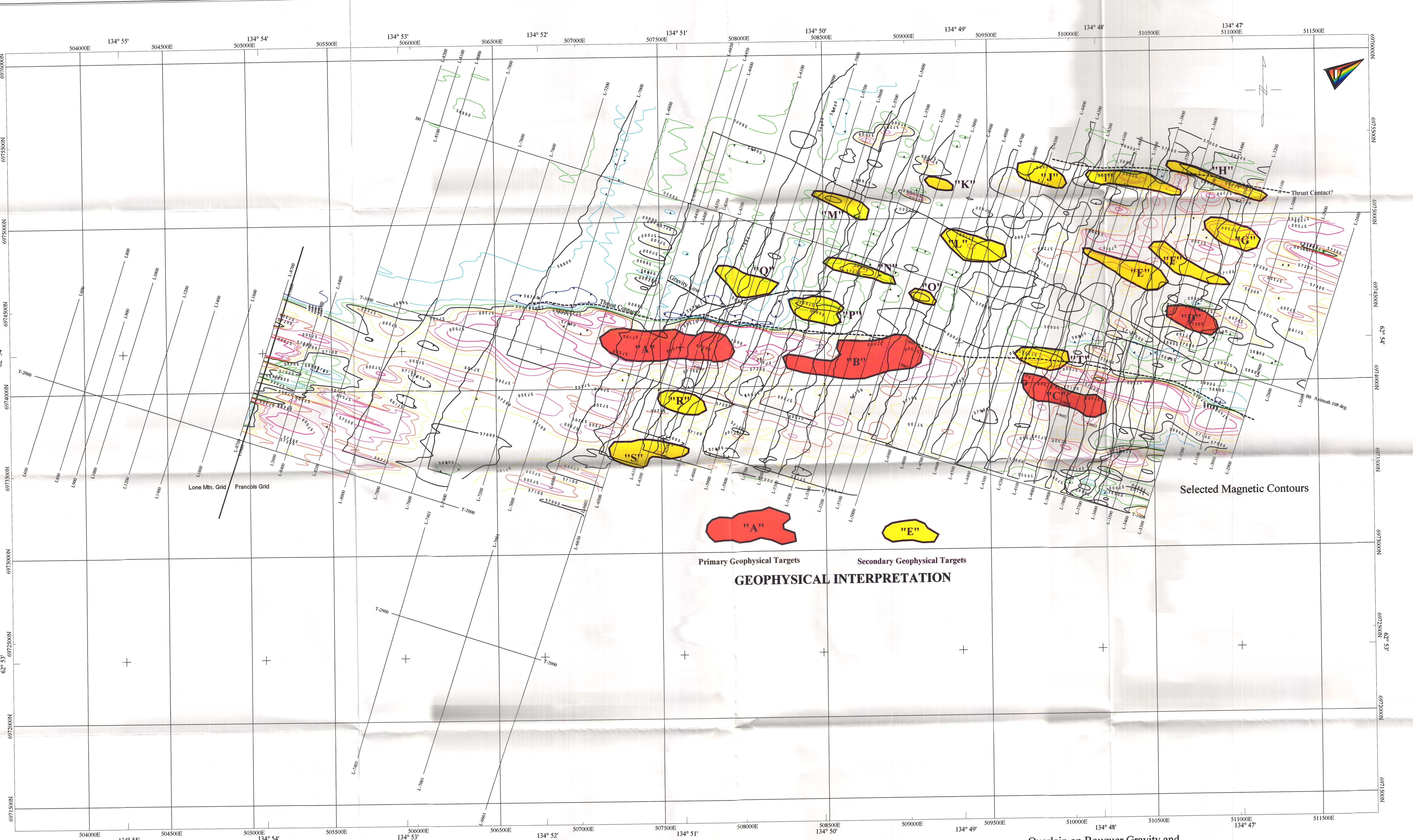


BLACKSTONE RESOURCES INC. DROMEDARY PROPERTY

- Profiles are positive towards the west.
- Vertical Profile Scales are;
- Magnetics (RED): 1cm = 500 gammas
- Gravity (BLUE): 1cm = 1.0 milligal
- Elevation (GREEN): 1cm = 20 metres

Blackstone Resources Inc.

Dromedary Property, Yukon
Francois & Lone Mtn. Grids
Magnetometer & Gravity Survey Compilation



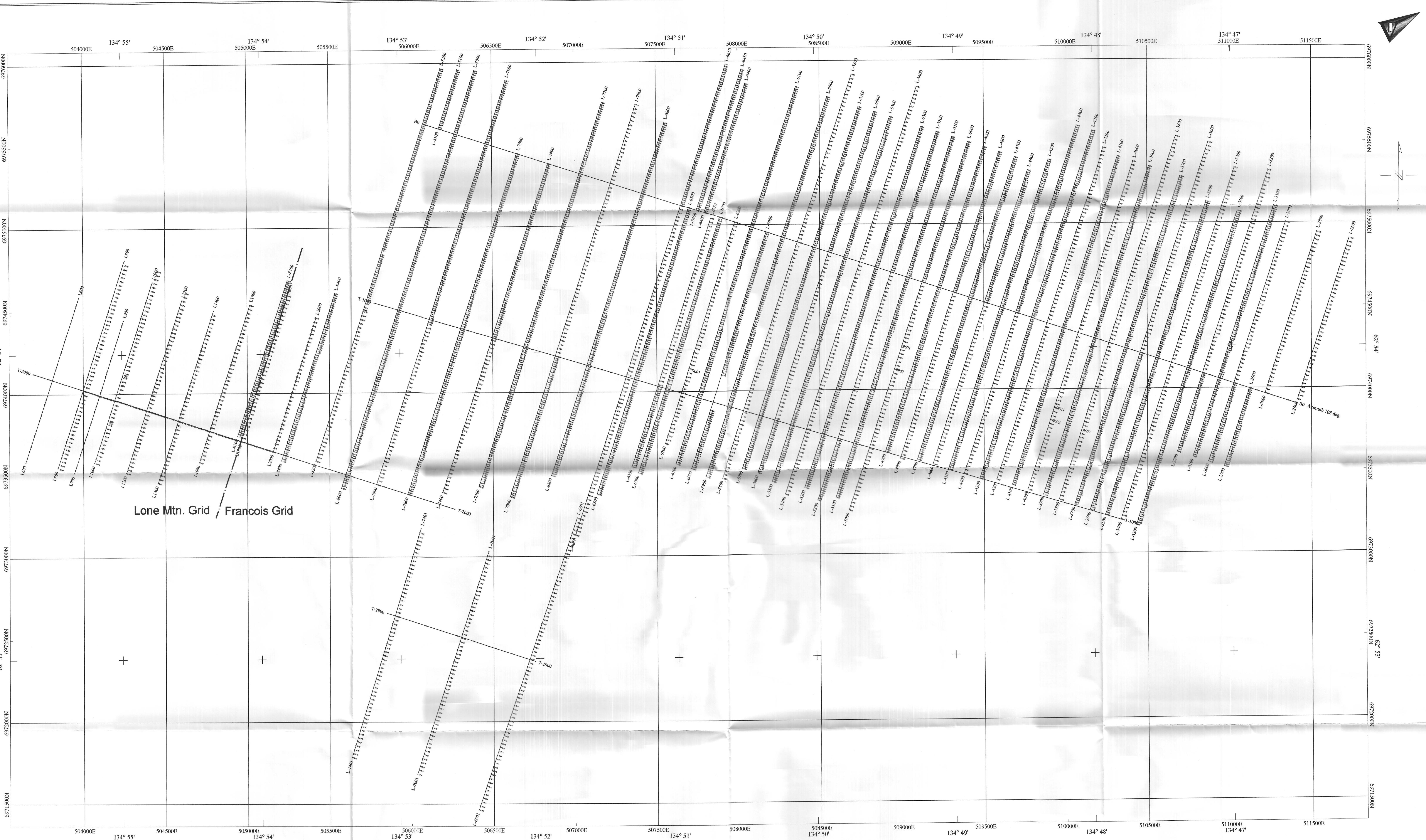
BLACKSTONE RESOURCES INC. DROMEDARY PROPERTY



Blackstone Resources Inc.
Dromedary Property, Yukon
Francois & Lone Mtn. Grids
Gravity & Magnetic Survey Compilation

NTS 105L/15, UTM Zone 8
Baseline AZ 108 deg
Processed by: K. Roberts, P. Geo
Date: August 11, 1997

VOX Image Limited



APPENDIX E

ROCK SAMPLE DESCRIPTIONS AND PETROGRAPHY

MINERAL ABBREVIATIONS

AK	ankerite	AS	arsenopyrite	BA	barite
BI	biotite	CA	calcite (or CC)	CL	chlorite
CP	chalcopyrite	CY	clay	EP	epidote
GE	goethite	GL	galena	HE	hematite
HS	specularite	JA	jarosite	KF	K-feldspar
MG	magnetite	MN	Mn-oxides	MS	sericite (or SE)
PO	pyrrhotite	PY	pyrite	QZ	quartz
SI	silica	SP	sphalerite	SM	smithsonite

ALTERATION INTENSITY

tr	trace	w	weak	m	moderate
		s	strong		

Rock Sample Descriptions

Project Name: Dromedary

Project: BLK97-03

NTS: 105L/14,15

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	?SI	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010411	UTM	N	UTM	E	Strike Length Exp:	10	Metallics:	1.5%PO,trPY	5	1.8	70	62
Dromedary	Elevation			Sample Width:	30	cm	True Width:	30 cm	Secondaries:	GE	Pb (ppm)	Zn (ppm)

Comments: Lensy pyrrhotite/trace pyrite in dark siliceous sediments - similar to rocks above massive sulphides in FRN96-02,04?

Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Alteration:	?SI	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010412	UTM	N	UTM	E	Strike Length Exp:	>100	Metallics:	AS,CP,GL,PO,PY,SP?	<5	17.0	<10	884
Dromedary	Elevation			Sample Width:	3.6	m	True Width:	3.6 m	Secondaries:	GE,HE,JA,MN	Pb (ppm)	Zn (ppm)

Comments: Test mineralization apparent on Main Zone - lense or pod or massive pyrrhotite - with streaks of galena, sphalerite?, chalcopyrite.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Alteration:	wCA,mCB	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010413	UTM	N	UTM	E	Strike Length Exp:	5	Metallics:	tr-2%GL,tr-1%SP	10	11.6	200	20
Dromedary	Elevation 820	m	Sample Width:	1.6	m	True Width:	1.6 m	Secondaries:	wGE,wCE	Pb (ppm)	Zn (ppm)	

Comments: Looks like galena/sphalerite lenses and wisps along foliation, also in cross-cutting calcite veinlets. Tom's show - 180m south of camp.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Alteration:	wCA,wCB	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010414	UTM	N	UTM	E	Strike Length Exp:	5	Metallics:		<5	0.6	250	30
Dromedary	Elevation 810	m	Sample Width:	1.4	m	True Width:	1.4 m	Secondaries:	wGE	Pb (ppm)	Zn (ppm)	

Comments:

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	w?CB	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010415	UTM	N	UTM	E	Strike Length Exp:	10	Metallics:		<5	1.2	80	13
Dromedary	Elevation 920	m	Sample Width:	30	cm	True Width:	30 cm	Secondaries:	sGE,wMN	Pb (ppm)	Zn (ppm)	

Comments: Strongly gossanous, limonitic quartzite - black, abundant quartz vein throughout.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Alteration:	mCB	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010416	UTM	N	UTM	E	Strike Length Exp:		Metallics:	trHS	<5	<.2	200	8
Dromedary	Elevation		Sample Width:		True Width:		Secondaries:	wGE,sHE,mMN	Pb (ppm)	Zn (ppm)		

Comments: Weathered, vuggy rock - carbonate out?

Rock Sample Descriptions

Project Name: Dromedary

Project: BLK97-03

NTS: 105L/14,15

Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Alteration:	wCB,7SI	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010417	UTM	N	UTM	E	Strike Length Exp:		Metallics:	<5	0.4	220	17	
Dromedary	Elevation 1020	m	Sample Width:		True Width:		Secondaries:	mHE,sMN	Pb (ppm)	Zn (ppm)		
Comments: Float is concentrated in colluvium over wide area.												
010418	UTM	N	UTM	E	Strike Length Exp:		Metallics:	<5	2.0	160	21	
Dromedary	Elevation 865	m	Sample Width:		True Width:		Secondaries:	sGE,sMN	Pb (ppm)	Zn (ppm)		
Comments: Float near base of slope - talus from zone up slope.												
010419	UTM	N	UTM	E	Strike Length Exp:		Metallics:	trGL,trPO,trSP	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
Dromedary	Elevation 900	m	Sample Width:		True Width:		Secondaries:		Pb (ppm)	Zn (ppm)		
Comments: Light green alteration mineral, spots, layers similar to that observed in mineralized zone in TK-2, adjacent to 010457.												
010420	UTM	N	UTM	E	Strike Length Exp:	1	Metallics:	<5	14.2	90	12	
Dromedary	Elevation 875	m	Sample Width:	30 cm	True Width:	30 cm	Secondaries:	mGE,wHE,mMN	Pb (ppm)	Zn (ppm)		
Comments: Strong fossil content.												
010421	UTM	N	UTM	E	Strike Length Exp:		Metallics:	<5	0.2	390	7	
Dromedary	Elevation 880	m	Sample Width:		True Width:		Secondaries:	mGE,wHE,wJA,wMN	Pb (ppm)	Zn (ppm)		
Comments:												
010422	UTM	N	UTM	E	Strike Length Exp:		Metallics:	<5	2.6	80	5	
Dromedary	Elevation 970	m	Sample Width:		True Width:		Secondaries:	wHE,wJA,wMN	Pb (ppm)	Zn (ppm)		
Comments: Vuggy weathering in quartzite and vein.												

Rock Sample Descriptions

Project Name: Dromedary

Project: BLK97-03

NTS: 105L/14,15

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	wSI	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010423	UTM	N	UTM	E	Strike Length Exp:	2	Metallics:	trPY	<5	0.2	100	12
Dromedary	Elevation 860	m	Sample Width:	30	cm	True Width: 30 cm	Secondaries:	wGE	Pb (ppm)	Zn (ppm)		
Comments: Host: Siliceous shaley phyllite-qtzt												
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Alteration:	wCA,wSI	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010424	UTM	N	UTM	E	Strike Length Exp:		Metallics:		<5	<2	40	7
Dromedary	Elevation 850	m	Sample Width:			True Width:	Secondaries:	GE,JA	Pb (ppm)	Zn (ppm)		
Comments: Host: Quartzite												
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Alteration:	wCB,mQZ	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010425	UTM	N	UTM	E	Strike Length Exp:		Metallics:	tr?SP	<5	0.2	70	2
Dromedary	Elevation 855	m	Sample Width:			True Width:	Secondaries:	mGE,mMN	Pb (ppm)	Zn (ppm)		
Comments: Host: Quartzite												
Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Alteration:	w?SI	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010426	UTM	N	UTM	E	Strike Length Exp:		Metallics:	1-2%PO,1-2%PY,?SP	<5	0.6	50	29
Dromedary	Elevation 925	m	Sample Width:			True Width:	Secondaries:	wGE	Pb (ppm)	Zn (ppm)		
Comments: Host: Siliceous siltstone?												
Sample Number:	Grid North:	N	Grid East:	E	Type:	Select	Alteration:		Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010427	UTM	N	UTM	E	Strike Length Exp:		Metallics:		<5	1.8	120	9
Dromedary	Elevation		Sample Width:			True Width:	Secondaries:	sGE,mHE,sMN	Pb (ppm)	Zn (ppm)		
Comments: Orientation Host: Shaley phyllite-quartzite												
Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:		Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010428	UTM	N	UTM	E	Strike Length Exp:	.3	Metallics:		<5	1.4	80	7
Dromedary	Elevation 980	m	Sample Width:			True Width:	Secondaries:	wMN	Pb (ppm)	Zn (ppm)		
Comments: Orientation Host: Dark shaley phyllite/siltstone												

Rock Sample Descriptions

Project Name: Dromedary

Project: BLK97-03

NTS: 105L/14,15

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	mCA	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010429	UTM	N	UTM	E	Strike Length Exp:	5	Metallics:		<5	<.2	60	7
Dromedary	Elevation		Sample Width:	30 cm	True Width:	30 cm	Secondaries:	wMN	Pb (ppm)	Zn (ppm)		
Comments: Orientation Host : Carbonate altered shaly phyll												
010430	UTM	N	UTM	E	Strike Length Exp:		Metallics:	0.5%PY	5	0.6	100	55
Dromedary	Elevation		Sample Width:		True Width:		Secondaries:	wJA	Pb (ppm)	Zn (ppm)		
Comments: Orientation Host : Cherty argillite												
010432	UTM	N	UTM	E	Strike Length Exp:	5	Metallics:	trPY	<5	0.8	110	25
Dromedary	Elevation 1140 m		Sample Width: 50 cm		True Width: 50 cm		Secondaries:	wGE	Pb (ppm)	Zn (ppm)		
Comments: Orientation Host : Chert, cherty argillite												
010433	UTM	N	UTM	E	Strike Length Exp:	5	Metallics:		<5	0.6	380	3
Dromedary	Elevation 795 m		Sample Width: 2 m		True Width: 2 m		Secondaries:	wGE,wJA	Pb (ppm)	Zn (ppm)		
Comments: Orientation Host : Quartzite to siliceous siltstone												
010434	UTM	N	UTM	E	Strike Length Exp:	5	Metallics:		<5	0.4	70	4
Dromedary	Elevation		Sample Width: 3 m		True Width: 3 m		Secondaries:	wJA	Pb (ppm)	Zn (ppm)		
Comments: Orientation Host : Massive black chert												
010451	UTM	N	UTM	E	Strike Length Exp:	100	Metallics:	trAS,1%CP,>10%PO,PY,?	1510	4.6	<10	2570
Dromedary	Elevation 1620 m		Sample Width: 30 cm		True Width: 30 cm		Secondaries:	sGE,wJA,mMN	Pb (ppm)	Zn (ppm)		
Comments: Orientation Host : Hornfels												

Rock Sample Descriptions

Project Name: Dromedary

Project: BLK97-03

NTS: 105L/14,15

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	wSI	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010452	UTM	N	UTM	E	Strike Length Exp:	50	Metallics:	trPO,3-5%PY	<5	1.2	90	84
Dromedary	Elevation 780	m	Sample Width: 50	cm	True Width: 50	cm	Secondaries:	mGE	Pb (ppm)	Zn (ppm)		

Comments: Host : Siliceous argillite

Sample Number:	Grid North:	N	Grid East:	E	Type:	Select	Alteration:	CB	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010453	UTM	N	UTM	E	Strike Length Exp:	50	Metallics:	trPY,1%SP	10	20.4	150	108
Dromedary	Elevation 800	m	Sample Width: 15	cm	True Width: 15	cm	Secondaries:	GE	Pb (ppm)	Zn (ppm)		

Comments: Host : Phyllite, black argillite

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	sQZ	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010454	UTM	N	UTM	E	Strike Length Exp:	10	Metallics:	?GL	<5	2.2	330	6
Dromedary	Elevation	Sample Width: 50	cm	True Width: 50	cm	Host :	wGE,sHE,mMN	Pb (ppm)	Zn (ppm)			

Comments:

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:		Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010455	UTM	N	UTM	E	Strike Length Exp:	20	Metallics:		<5	1.6	410	34
Dromedary	Elevation 930	m	Sample Width: 4	m	True Width: 4	m	Secondaries:		Pb (ppm)	Zn (ppm)		

Comments: Host : Possibly ferricrete

Comments: Small fossils on downstream side, quartzite upstream. Lots of exposed rock, just down stream from grassy outcrop. Rock on westside of creek.

Sample Number:	Grid North:	N	Grid East:	E	Type:		Alteration:	wQZ	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010456	UTM	N	UTM	E	Strike Length Exp:	5	Metallics:		<5	0.6	50	249
Dromedary	Elevation 875	m	Sample Width: 30	cm	True Width: 30	cm	Secondaries:	sGE,wHE,wJA	Pb (ppm)	Zn (ppm)		

Comments: Host : Shale phyllite

Comments: On creek above camp approximately 500m. Outcrop right on creek below zone 010455.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	wCA,sQZ	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010457	UTM	N	UTM	E	Strike Length Exp:	.5	Metallics:	?GL	<5	0.2	160	6
Dromedary	Elevation 900	m	Sample Width: 30	cm	True Width: 30	cm	Secondaries:	mGE,wHE	Pb (ppm)	Zn (ppm)		

Comments: Host : Quartzite

Comments: Next to sample 010419. Just below small gully above quartzite zone.

Rock Sample Descriptions

Project Name: Dromedary

Project: BLK97-03

NTS: 105L/14,15

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	mCA,sQZ	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010458	UTM	N	UTM	E	Strike Length Exp:	20	Metallics:	?GL	<5	0.2	90	7
Dromedary	Elevation 900	m	Sample Width:	30 cm	True Width:	30 cm	Secondaries:	wHE	Pb (ppm)	Zn (ppm)	34	114

Comments: Fossils top of first bench above gully.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:		Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010459	UTM	N	UTM	E	Strike Length Exp:	2	Metallics:		<5	<.2	110	7
Dromedary	Elevation 905	m	Sample Width:	50 cm	True Width:	50 cm	Secondaries:	mGE,wHE	Pb (ppm)	Zn (ppm)	16	2670

Comments: Cleavage in rocks very close together from 010458 to 010460.

Sample Number:	Grid North:	N	Grid East:	E	Type:		Alteration:		Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010460	UTM	N	UTM	E	Strike Length Exp:	.5	Metallics:		<5	1.8	150	11
Dromedary	Elevation 910	m	Sample Width:	50 cm	True Width:	50 cm	Secondaries:	mGE,wJA	Pb (ppm)	Zn (ppm)	794	450

Comments: Weathered out boxwork similar to rock in 010419. Similar to 010456 and host rock in 010469.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:		Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010461	UTM	N	UTM	E	Strike Length Exp:	.4	Metallics:		<5	1.8	180	16
Dromedary	Elevation 940	m	Sample Width:	50 cm	True Width:	50 cm	Secondaries:		Pb (ppm)	Zn (ppm)	472	424

Comments: 40 m east of L2800 275N on break.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Alteration:		Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010462	UTM	N	UTM	E	Strike Length Exp:		Metallics:	0.5%PO,trPY	<5	2.2	70	49
Dromedary	Elevation 1075	m	Sample Width:	30 cm	True Width:	30 cm	Secondaries:		Pb (ppm)	Zn (ppm)	12	116

Comments: Pyrrhotite disseminated throughout rock. Rock very angular, close to geochem anomaly. 112m east of L2800E 500N.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Alteration:	sCA,wSI	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010463	UTM	N	UTM	E	Strike Length Exp:	2	Metallics:	0.2%PO,0.2%PY	<5	0.2	160	7
Dromedary	Elevation 850	m	Sample Width:	2 m	True Width:	2 m	Secondaries:		Pb (ppm)	Zn (ppm)	8	102

Comments: Calcareous siliceous siltstone. Warren did sample 5m west of sample 596758, same rock 50m west of L3200 75N.

Rock Sample Descriptions

Project Name: Dromedary

Project: BLK97-03

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Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010464	UTM	N	UTM	E	Strike Length Exp:		Metallics:	<5	<.2	510	22
Dromedary	Elevation 840	m	Sample Width: 1	m	True Width: 1	m	Secondaries: sGE,sHE,wMN	Pb (ppm)	Zn (ppm)	196	928

Comments: Ferricrete runs along at this level across the slope all the way to L3200E, 25m east of line L2800E 150N.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration:	sSI	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010465	UTM	N	UTM	E	Strike Length Exp: .5	Metallics:		<5	<.2	150	1
Dromedary	Elevation 845	m	Sample Width: 2	m	True Width: 2	m	Secondaries: mGE,mMN	Pb (ppm)	Zn (ppm)	14	238

Comments: Some boxwork, possibly recessive mineral 200m west of L2800E 150N.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration:	sSI	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010466	UTM	N	UTM	E	Strike Length Exp: 1	Metallics:	?PY	<5	7.2	30	51
Dromedary	Elevation 1070	m	Sample Width: 20	cm	True Width: 20	cm	Secondaries: sGE,trMN	Pb (ppm)	Zn (ppm)	1685	1660

Comments: At TL 800N, 18+75E. Boxwork, weathered out mineral.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration:		Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010467	UTM	N	UTM	E	Strike Length Exp: 2	Metallics:		<5	1.0	240	5
Dromedary	Elevation 1070	m	Sample Width: 2	m	True Width: 2	m	Secondaries: wMN	Pb (ppm)	Zn (ppm)	796	696

Comments: Sampled to satisfy curiosity about soil anomaly L1800E 875N.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	wCK,mSI	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010468	UTM	N	UTM	E	Strike Length Exp: 1	Metallics:	0.5%PO,0.5%PY		<5	1.2	50	14
Dromedary	Elevation 940	m	Sample Width: 1	m	True Width: 1	m	Secondaries: wGE	Pb (ppm)	Zn (ppm)	22	30	

Comments: Right on top of argillitic shale, same as samples I took low on or in between L3200E and 2800E and same as float sample I took high on 28 (just below first summit coming up so called esker between 3600 and 4000).

Sample Number:	Grid North:	N	Grid East:	E	Type:	Select	Alteration:	CA,SI	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010469	UTM	N	UTM	E	Strike Length Exp: 20	Metallics:	0.2%GL,0.1%PO,0.1%PY,		<5	17.8	280	7
Dromedary	Elevation 945	m	Sample Width: 50	cm	True Width: 50	cm	Secondaries: GE,sZNO	Pb (ppm)	Zn (ppm)	5.53%	5.83%	

Comments: South side of gully 50m east of line 4000E 550N Sphalerite finely disseminated, lots of hydrozincite.

Rock Sample Descriptions

Project Name: Dromedary

Project: BLK97-03

NTS: 105L/14,15

Sample Number:	Grid North:	N	Grid East:	E	Type:	Select	Alteration:	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010470	UTM	N	UTM	E	Strike Length Exp:	40	Metallics: 0.2%GL,0.1%PO,0.1%PY,	<5	2.8	280	3
Dromedary	Elevation 945	m	Sample Width: 50	cm	True Width: 50	cm	Secondaries: GE,wZNO	Pb (ppm)	Zn (ppm)		
Comments: Host : Calc.sil. siltstone/shaly phyl											
								6370	1855		
Comments: 4m from sample 010469.											
010471	UTM	N	UTM	E	Strike Length Exp:	20	Metallics: 0.2%GL,0.1%PO,0.1%PY,	<5	2.0	230	3
Dromedary	Elevation 945	m	Sample Width: 50	cm	True Width: 50	cm	Secondaries: mGE,wZNO	Pb (ppm)	Zn (ppm)		
Comments: Host : Calc.sil. siltstone/shaly phyl											
								3250	2430		
Comments:											
010472	UTM	N	UTM	E	Strike Length Exp:	5	Metallics: 0.5%PO,0.5%PY	<5	<.2	590	30
Dromedary	Elevation 1140	m	Sample Width: 1	m	True Width: 4	m	Secondaries: wGE	Pb (ppm)	Zn (ppm)		
Comments: Host : Cherty argillite											
								6	56		
Comments: 25m west of drill hole 81-10 helipad.											
010473	UTM	N	UTM	E	Strike Length Exp:	5	Metallics: 0.5%PO,0.5%PY	<5	0.2	140	19
Dromedary	Elevation 1140	m	Sample Width: 1	m	True Width: 4	m	Secondaries: wGE	Pb (ppm)	Zn (ppm)		
Comments: Host : Cherty argillite											
								8	42		
Comments: Below drill hole 81-8 100m and west 50m.											
010474	UTM	N	UTM	E	Strike Length Exp:		Metallics: 1%CP,0.2%PO,0.3%PY	<5	1.8	80	79
Dromedary	Elevation 1040	m	Sample Width: 50	cm	True Width: 50	cm	Secondaries: mGE	Pb (ppm)	Zn (ppm)		
Comments: Host : Cherty argillite											
								20	138		
Comments: Right at drill hole 81-9.											
010475	UTM	N	UTM	E	Strike Length Exp:		Metallics:	<5	0.2	180	15
Dromedary	Elevation		Sample Width:		True Width:		Secondaries: wGE	Pb (ppm)	Zn (ppm)		
Comments: Host : Sooty quartzite											
								86	258		
Comments: In contact with shale right in creek above ferricrete sample approximately 350m.											

Rock Sample Descriptions

Project Name: Dromedary

Project: BLK97-03

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Sample Number:		Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010476		UTM	N	UTM	E	Strike Length Exp:	2	Metallics:	0.1%PO,0.1%PY	<5	0.2	60
Dromedary		Elevation 1110	m	Sample Width:	1.5 m	True Width:	2 m	Secondaries:		Pb (ppm)	Zn (ppm)	
		Orientation 110°/77° N		Host : Siliceous siltstone				6		76		
Comments: 15m east of line 4800E 1050N.												
Sample Number:		Grid North:	N	Grid East:	E	Type:	Chip	Alteration:	mCB,?CL,wSI	Au (ppb)	Ag (ppm)	Ba (ppm)
596751		UTM	N	UTM	E	Strike Length Exp:	2	Metallics:		<5	3.8	180
Dromedary		Elevation 940	m	Sample Width:	1.35 m	True Width:	1.35 m	Secondaries:	wGE,mMN	Pb (ppm)	Zn (ppm)	
		Orientation 105°/72° SW		Bedding		Host : Quartzite				2060	4950	
Comments: Trench TK-3.												
Sample Number:		Grid North:	N	Grid East:	E	Type:	Chip	Alteration:	mCB	Au (ppb)	Ag (ppm)	Ba (ppm)
596752		UTM	N	UTM	E	Strike Length Exp:	2	Metallics:		<5	12.6	80
Dromedary		Elevation 940	m	Sample Width:	1.35 m	True Width:		Secondaries:	wGE,mMN,wZnO	Pb (ppm)	Zn (ppm)	
		Orientation 105°/72° SW		Bedding		Host : Quartzite				8870	9650	
Comments: 2.00m south of sample 596751 in trench TK-3.												
Sample Number:		Grid North:	N	Grid East:	E	Type:	Chip	Alteration:	mCA,wCB	Au (ppb)	Ag (ppm)	Ba (ppm)
596753		UTM	N	UTM	E	Strike Length Exp:		Metallics:		<5	0.2	160
Dromedary		Elevation 910	m	Sample Width:	1.4 m	True Width:	1.4 m	Secondaries:	mGE,wHE,wMN	Pb (ppm)	Zn (ppm)	
		Orientation 135°/85° NE		Joint		Host : Quartzite/shale				60	454	
Comments: Test pit - may be just north of zone in talus below.												
Sample Number:		Grid North:	N	Grid East:	E	Type:	Float	Alteration:	wCB	Au (ppb)	Ag (ppm)	Ba (ppm)
596754		UTM	N	UTM	E	Strike Length Exp:		Metallics:		<5	0.2	160
Dromedary		Elevation 875	m	Sample Width:	1.1 m	True Width:		Secondaries:	sGE,wJA	Pb (ppm)	Zn (ppm)	
		Orientation 120°/85° N		Joint		Host : Shale/quartzite				170	166	
Comments:												
Sample Number:		Grid North:	N	Grid East:	E	Type:	Float	Alteration:	?CB	Au (ppb)	Ag (ppm)	Ba (ppm)
596755		UTM	N	UTM	E	Strike Length Exp:		Metallics:		<5	0.6	280
Dromedary		Elevation 875	m	Sample Width:	1.4 m	True Width:		Secondaries:	mGE,wHE,wJA,mMN	Pb (ppm)	Zn (ppm)	
		Orientation		Host : Alt quartzite/shale-ferricrete						562	118	
Comments: Float in middle of trench in talus - seems to be well defined colour zone - adjacent 596754.												

Rock Sample Descriptions

Project Name: Dromedary

Project: BLK97-03

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Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration:	?CB	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
596756	UTM	N	UTM	E	Strike Length Exp:	Metallics:	<5	1.2	100	11	
Dromedary	Elevation 875	m	Sample Width: 13	m	True Width:	Secondaries:	mGE,wJA,wMN	Pb (ppm)	Zn (ppm)		
	Orientation				Host:	Limonitic shale/quartzite		1790	234		
Comments:	Adjacent to 596755.										
Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCB		Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
596757	UTM	N	UTM	E	Strike Length Exp: 30	Metallics:	<5	<.2	90	4	
Dromedary	Elevation 1050	m	Sample Width: 1	m	True Width: 1 m	Secondaries:	mGE,wMN	Pb (ppm)	Zn (ppm)		
	Orientation 103°/90° S		Bedding		Host:	Quartzite - shaly		16	92		
Comments:	Shale quartzite - near geochem. Francois Grid.										
Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sCA,wSI		Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
596758	UTM	N	UTM	E	Strike Length Exp:	Metallics:	0.2%PO,0.2%PY	<5	0.2	160	6
Dromedary	Elevation 1000	m	Sample Width: 0.6	m	True Width: 0.6 m	Secondaries:		Pb (ppm)	Zn (ppm)		
	Orientation 097°/76° S		Bedding		Host:	Calcareous siltstone		12	374		
Comments:											
Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wSI		Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
596759	UTM	N	UTM	E	Strike Length Exp: 10	Metallics:	<5	0.4	100	8	
Dromedary	Elevation 845	m	Sample Width: 1	m	True Width: 1 m	Secondaries:	wGE,mMN	Pb (ppm)	Zn (ppm)		
	Orientation 103°/78° N		Bedding		Host:	Quartzite		20	434		
Comments:	Minor ferricrete build up on outcrop.										
Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCB		Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
596760	UTM	N	UTM	E	Strike Length Exp: 10	Metallics:	<5	<.2	110	6	
Dromedary	Elevation 850	m	Sample Width: 50	cm	True Width: 50 cm	Secondaries:	mGE,sMN	Pb (ppm)	Zn (ppm)		
	Orientation				Host:	Quartzite/Shale		24	574		
Comments:	Weathered strongly - vuggy at surface - non-calcareous.										
Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCA,wSI		Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
596761	UTM	N	UTM	E	Strike Length Exp: 5	Metallics:	<5	1.0	170	6	
Dromedary	Elevation 1095	m	Sample Width: 1	m	True Width: 1 m	Secondaries:	mGE,wMN	Pb (ppm)	Zn (ppm)		
	Orientation 102°/90° SW				Host:	Siliceous siltstone/quartzite		688	776		
Comments:	At northern edge of geochem anomaly, first outcrop north of gully across ridge top.										

Rock Sample Descriptions

Project Name: Dromedary

Project: BLK97-03

NTS: 105L/14,15

Sample Number:	Grid North:	N	Grid East:	E	Type:	Grab	Alteration:	wCB	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
596762	UTM	N	UTM	E	Strike Length Exp:	5	Metallics:		<5	<.2	100	5
Dromedary	Elevation 965	m	Sample Width: 20	cm	True Width: 20	cm	Secondaries:	wGE,wMN	Pb (ppm)	Zn (ppm)		
	Orientation 110°/85° N		Bedding		Host:	Shaly phyllite			24	204		
Comments:	Small outcrop, only one for wide area.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Alteration:		Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
596763	UTM	N	UTM	E	Strike Length Exp:	30	Metallics:	tr-0.2%GL,trPY,trSP	<5	0.6	270	5
Dromedary	Elevation		Sample Width: 1	m	True Width: 1		Secondaries:	mGE,wHE,mMN	Pb (ppm)	Zn (ppm)		
	Orientation 110°/88° N		Bedding		Host:	Siliceous siltstone			286	194		
Comments:	Chip across mineralized zone.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Alteration:	wCB,wSI	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
596764	UTM	N	UTM	E	Strike Length Exp:		Metallics:	tr-0.2%GL,trPY,trSP	<5	3.0	280	4
Dromedary	Elevation		Sample Width: 60	cm	True Width: 60		Secondaries:	mGE,wMN,wZnO	Pb (ppm)	Zn (ppm)		
	Orientation 110°/88° N		Bedding		Host:	Siliceous limy siltstone/quartzite			1.22%	1010		
Comments:												
Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Alteration:	mCA,wCB,wSI	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
596765	UTM	N	UTM	E	Strike Length Exp:	30	Metallics:	tr-0.2%GL,trPY,trSP	<5	3.6	330	6
Dromedary	Elevation		Sample Width: 1	m	True Width: 1		Secondaries:	mGE,mMN	Pb (ppm)	Zn (ppm)		
	Orientation 110°/88° N		Bedding		Host:	Siliceous siltstone			1.24%	5970		
Comments:	Chip across mineralized zone - approximately 20cm wide but variable. Strong hydrozincite. 5m west of 596764.											
Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Alteration:	wCA,wCB,wSI	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
596766	UTM	N	UTM	E	Strike Length Exp:	30	Metallics:	trPY	<5	0.8	210	4
Dromedary	Elevation		Sample Width: 0.75	m	True Width: 0.75	m	Secondaries:	mGE,mMN	Pb (ppm)	Zn (ppm)		
	Orientation 110°/88° N		Bedding		Host:	Siliceous siltstone-quartzite			538	1660		
Comments:	Along zone - 5m east of 596764.											
Sample Number:	Grid North:	N	Grid East:	E	Type:		Alteration:	w?MS,wSI	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
596767	UTM	N	UTM	E	Strike Length Exp:		Metallics:	tr?GL	<5	0.2	90	5
Dromedary	Elevation		Sample Width:		True Width:		Secondaries:	wGE,wHE	Pb (ppm)	Zn (ppm)		
	Orientation 083°/85° N				Host:	Shaly quartzite/siltstone			202	550		
Comments:	Fissile outcrop just south of geochem projection.											

Rock Sample Descriptions

Project Name: Dromedary

Project: BLK97-03

NTS: 105L/14,15

Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Alteration:	wCB,wSI	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>Ba (ppm)</u>	<u>Cu (ppm)</u>
596768	UTM	N	UTM	E	Strike Length Exp:		Metallics:		<5	0.2	70	3
Dromedary	Elevation 790	m	Sample Width:		True Width:		Secondaries:	mGE,wMN	<u>Pb (ppm)</u>	<u>Zn (ppm)</u>		

Comments: Float from area of local subcrop - vuggy weathered rock - boxwork.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Float	Alteration:		<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>Ba (ppm)</u>	<u>Cu (ppm)</u>
596769	UTM	N	UTM	E	Strike Length Exp:	100	Metallics:		<5	1.6	>10000	31
Dromedary	Elevation 840	m	Sample Width:		True Width:		Secondaries:		<u>Pb (ppm)</u>	<u>Zn (ppm)</u>		

Comments: Warren did rock sheet >1? Sample was taken from float 5m below top of ridge and outcrop.

Sample Number:	Grid North:	700	S	Grid East:	5475	W	Type:	Chip	Alteration:	?CL,?MS,wSI	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>Ba (ppm)</u>	<u>Cu (ppm)</u>
596770	UTM	N	UTM		E		Strike Length Exp:	1	Metallics:	tr?GL	20	0.6	300	23
Dromedary	Elevation 690	m	Sample Width:	1.6	m		True Width:	1.6 m	Secondaries:	mGE	<u>Pb (ppm)</u>	<u>Zn (ppm)</u>		

Comments: Trench in overburden - crumbly surface exposed, foliation attitude not possible, sulphide? very fine-grained, possibly more than trace in rock. Zinc zap did not detect zinc oxide.

Sample Number:	Grid North:	700	S	Grid East:	5425	W	Type:	Chip	Alteration:	wCA,mCB,wSI	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>Ba (ppm)</u>	<u>Cu (ppm)</u>
596771	UTM	N	UTM		E		Strike Length Exp:	1	Metallics:	tr?GL	<5	0.2	270	19
Dromedary	Elevation 690	m	Sample Width:	1.4	m		True Width:	1.2 m	Secondaries:	wGE	<u>Pb (ppm)</u>	<u>Zn (ppm)</u>		

Comments: Dark grey well foliated rock, locally siliceous. Carbonate as small lenses - porphyroblasts? - calcite in veinlets. Galena is very fine-grained if present at all. Sample in south half of trench.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Chip	Alteration:		<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>Ba (ppm)</u>	<u>Cu (ppm)</u>	
596772	UTM	N	UTM	E	Strike Length Exp:	1	Metallics:		<5	0.4	220	30	
Dromedary	Elevation 690	m	Sample Width:	1	m		True Width:	0.9 m	Secondaries:		<u>Pb (ppm)</u>	<u>Zn (ppm)</u>	

Comments: North half of trench.

Sample Number:	Grid North:	738	S	Grid East:	5500	W	Type:	Chip	Alteration:	mCB,wSI	<u>Au (ppb)</u>	<u>Ag (ppm)</u>	<u>Ba (ppm)</u>	<u>Cu (ppm)</u>
596773	UTM	N	UTM	E	Strike Length Exp:	1	Metallics:		<5	0.2	160	19		
Dromedary	Elevation 1705	m	Sample Width:	1.35	m		True Width:	1.2 m	Secondaries:	mGE	<u>Pb (ppm)</u>	<u>Zn (ppm)</u>		

Comments: Locally strongly weathered - gossanous - after carbonate in lenses.

Rock Sample Descriptions

Project Name: Dromedary

Project: BLK97-03

NTS: 105L/14,15

Sample Number:	Grid North: 725	S	Grid East: 5500	W	Type: Chip	Alteration: ?CB,wQZ	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
596774	UTM	N	UTM	E	Strike Length Exp: 1	Metallics:	10	1.4	230	63
Dromedary	Elevation 705	m	Sample Width: 1.9 m		True Width: 1.9 m	Secondaries: mGE,wJA,?MN	Pb (ppm)	Zn (ppm)		

Host: Shaly phyllite

Comments: Strongly weathered rock - saprolite? with deeply weathered gossan zone mid-trench - goethite-jarosite-15cm wide. Quartz veins common.

Sample Number:	Grid North: 730	S	Grid East: 5500	W	Type: Chip	Alteration: ?BI,wCB,?MS	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
596775	UTM	N	UTM	E	Strike Length Exp: 1	Metallics:	<5	0.2	170	21
Dromedary	Elevation 705	m	Sample Width: 1.75 m		True Width: 1.6 m	Secondaries: wGE	Pb (ppm)	Zn (ppm)		

Host: Shaly phyllite

Comments: Trench - 55cm deep to bedrock. Not particularly altered looking. Broken ground - foliation disrupted.

Sample Number:	Grid North: 800	S	Grid East: 6115	W	Type: Chip	Alteration: wCB,wMS	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
596776	UTM	N	UTM	E	Strike Length Exp: 1	Metallics:	10	1.6	370	32
Dromedary	Elevation		Sample Width: 1.4 m		True Width: 1.4 m	Secondaries: mGE,mJA	Pb (ppm)	Zn (ppm)		

Host: Shaly phyllite

Comments: Ferricrete development both ends of trench. 1 25m deep trench on esker?

Sample Number:	Grid North: 205	N	Grid East: 2400	E	Type: Grab	Alteration:	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
596777	UTM	N	UTM	E	Strike Length Exp: .4	Metallics:	<5	<.2	130	6
Dromedary	Elevation 850	m	Sample Width: 15 cm		True Width: 15 cm	Secondaries:	Pb (ppm)	Zn (ppm)		

Host:

Comments: Warren took sample so wasn't sure on rock composition, etc.

Sample Number:	Grid North: 800	S	Grid East: 6115	W	Type: Chip	Alteration: wQZ	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
596778	UTM	N	UTM	E	Strike Length Exp: 1	Metallics:	<5	1.2	290	22
Dromedary	Elevation 680	m	Sample Width: 105 m		True Width:	Secondaries: wGE,mJA	Pb (ppm)	Zn (ppm)		

Host: Shaly phyllite

Comments: Friable weathered outcrop.

Sample Number:	Grid North: 825	S	Grid East: 6100	W	Type: Chip	Alteration: wQZ	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
596779	UTM	N	UTM	E	Strike Length Exp: 1	Metallics:	<5	1.2	160	7
Dromedary	Elevation		Sample Width: 2.25 m		True Width: 2.25 m	Secondaries: wJA,?MN	Pb (ppm)	Zn (ppm)		

Host: Chert - black

Comments: Quartz veinlets cut homogenous black chert - locally vuggy, with oxides after?

Harris
EXPLORATION
SERVICES

MINERALOGY AND GEOCHEMISTRY

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Report 97-198

January 2, 1998

PETROGRAPHIC EXAMINATION OF ROCK SAMPLES FROM THE
DROMEDARY PROJECT

Introduction:

5 rock samples, numbered as below, were submitted by Murray Jones. Typical portions of each sample were prepared as polished thin sections.

Sample	Slide No.
010419	97-27656
010451	97-27657
596765	97-27658
Dromedary Main	97-27659
KAL-1	97-27660

Summary:

Three of the rocks of this suite show features clearly indicative of their metasedimentary origin. Their mineralogy (in four cases out of five) suggests skarnic affinities - possibly in the sense of their being thermally recrystallized silty to quartzitic sediments with an original component of exhalative sulfides, chert and dolomite.

Samples 010419 and KAL-1 are of closely similar type, being layered quartzites showing a distinctive bimodal texture of sub-rounded sand grains with an interstitial cherty phase. Actinolite is a more or less abundant accessory, as fibrous/radiate, porphyroblastic clumps and (in KAL-1) also as monomineralic interbeds. Some of the actinolite clumps have cores of garnet. Both samples contain a little fine-grained pyrrhotite and traces of sphalerite, as disseminations in the cherty interstitial phase. Sample KAL-1 also includes substantial galena and sphalerite concentrated in a discrete 1 cm interval of the bedded sequence.

Samples 010451 and Dromedary Main differ from the previous two in that the principal accessory silicate is diopside rather than actinolite, and the contents of pyrrhotite are much higher. The silicate components are mosaic aggregates of anhedral quartz and intimately intergrown diopside - the latter occurring partly as tiny included granules in the quartz, and partly as vari-sized prismatic subhedra. Minor associated silicates are epidote and chlorite in 010451, and garnet in the Dromedary Main sample

Pyrrhotite (plus minor chalcopyrite) occurs evenly intergrown with the silicates, in apparent co-genetic relationship, in 010451; a few laminae of fine-grained plagioclase are also present. In the Dromedary Main sample, where sulfides (possible tuff intercalations?) are the dominant component (75% of the rock), the accessories are arsenopyrite, sphalerite and galena as well as a little chalcopyrite. The sectioned portion includes two textural variants: an intimate non-foliated intergrowth of pyrrhotite and diopside; and a foliated variant in which laminar segregations of monomineralic pyrrhotite alternate with bands composed of fine-grained intergrowths of pyrrhotite and sphalerite with quartz and garnet.

The remaining sample of the suite, 596765, is a quartzose sediment of similar style to the first two, but somewhat finer-grained overall. It has a dark appearance due to the presence of cryptocrystalline opaque material (of uncertain composition), which occurs as dispersed dust, as intergranular films and concentrated as anastomosing schlieren. This rock is essentially devoid of sulfides and of skarn-type minerals. The reported Pb and Zn contents must presumably be present in oxidized form, but are not readily apparent.

Individual petrographic descriptions are attached.



J.F. Harris Ph.D.

Estimated mode

Quartz	76
Biotite)	1
Chlorite)	
Actinolite	17
Garnet	1
Pyrrhotite	3
Sphalerite	0.5
Galena	trace
Chalcopyrite	trace
Limonite	1

This is a homogenous fine-grained rock of quartzose appearance. Macroscopic examination of the thin section shows a rudimentary foliation defined by the distribution of a brownish accessory as discontinuous parallel strings.

Petrographic examination confirms that the dominant component is quartz. This occurs as an aggregate of equant to slightly elongate, sub-rounded grains, 100 - 300 microns in size, tightly cemented by a network/interstitial phase of minutely microgranular quartz of grain size 10 - 50 microns. This assemblage has the aspect of a quartzite derived by partial recrystallization of a sandstone of bimodal granularity - consisting of sub-rounded sand grains with an interstitial phase of silt-sized material or chert. The fine intergranular phase has the appearance of a primary detrital component rather than an authigenic cement or a product of marginal granulation/recrystallization.

The principal accessory is found to be actinolite, as compact, rosette-like, radiate clusters of fibro-acicular habit (close-packed needles up to 100 microns or so in length and 10 microns in thickness). The individual actinolite clusters typically range from 0.3 - 1.0 mm in size, but often occur as coalescent clumps up to 2 or 3 mm in size. These commonly appear to develop along sub-parallel, stylolite-like, anastomosing partings of brownish sub-opaque material.

The actinolite needles penetrate the adjacent quartz grains and have clearly developed by porphyroblastic growth - perhaps by metamorphic recrystallization of original glauconitic material. Some of the actinolite clumps have cores of euhedral garnet. The preservation of primary granularity in the quartz suggests that the metamorphism was probably of a dominantly thermal character.

Very minor proportions of greenish biotite and/or chlorite are the remaining silicate accessories. These occur as sparsely scattered, tiny, irregular shreds in the fine interstitial quartz phase.

Sample 010419 cont.

The rock contains minor, very fine-grained, disseminated sulfides. These consist principally of pyrrhotite as grains 10 - 100 microns in size, commonly aggregated as small clusters of up to 0.5 mm. A little marmatitic sphalerite and rare traces of galena and chalcopyrite occur in like manner - typically independent of the pyrrhotite.

The sulfides occur randomly disseminated within the silt-sized interstitial quartz phase, often (but not consistently) at the peripheries of actinolite clusters. Examples were also seen of pyrrhotite intergrown with garnet.

The pyrrhotite at one side of the sectioned portion shows partial oxidation to limonite.

The skarnic silicates and sulfides in this rock have clearly developed syngenetically as products of the metamorphism of the host. The source elements for these constituents may have been present as original impurities in the sandstone, or could have been introduced from an external source prior to, or during, metamorphism.

SAMPLE 010451 (Slide 97-27657)
QUARTZ-DIOPSID PYRRHOTITE ROCK

Estimated mode

Quartz	44
Plagioclase	6
Diopside	20
Epidote	1
Chlorite	1
Tremolite?	trace
Scheelite?	trace
Sphene	trace
Pyrrhotite	25
Chalcopyrite	1.5
Limonite	1

This is an incipiently banded rock of fine-grained quartzose appearance, containing abundant disseminated pyrrhotite.

A few thin laminar zones, distinguished by their white etch reaction in the off-cut, indicate the presence of a little plagioclase.

In thin section the rock is found to consist dominantly of quartz, as a mosaic of anhedral, locally interlocking grains, 0.1 - 1.0 mm or more in size.

The principal accessory is diopside. This occurs in disseminated form, ranging from tiny granules down to 10 microns or so in size, scattered through quartz grains, up to prismatic subhedra of 0.3 mm or more. The diopside occurs rather evenly distributed throughout the quartz matrix in a manner suggestive of formation by cogenetic recrystallization.

Minor epidote is occasionally associated with the diopside, and there is one zone which includes a colourless mineral of lower relief thought to be tremolite (or possibly prehnite?).

The diopside is typically fresh and well crystallized, but occasionally shows incipient alteration to chlorite and ferruginous secondary products.

Abundant pyrrhotite, sometimes with minor associated chalcopyrite, occurs rather evenly disseminated throughout. The sulfides occur in simple intergranular intergrowth with the quartz and diopside, as grains 50 - 500 microns in size. The pyrrhotite often coalesces to irregular networks and crudely elongate segregations up to several mm in size (sometimes with included small grains of diopside).

Traces of a high relief mineral tentatively identified as scheelite occur as randomly scattered, individual, rounded grains, 0.1 - 0.3 mm in size in pyrrhotite and in the silicate matrix.

Sample 010451 cont.

Accessory plagioclase occurs as occasional, thin, segregated, laminar zones, in the form of fine-grained aggregates of grain size 20 - 100 microns. Tiny euhedra of sphene are often associated.

SAMPLE 596765 (Slide 97-27658)

SANDY SILTSTONE

Estimated mode

Quartz	87
Feldspars?	2
Sericite	3
Carbonate	trace
Tourmaline	trace
Cryptocrystalline	
opaques	7
Pyrite	trace
Sphalerite	trace

This sample is a fine-grained rock of siliceous aspect. The distribution of a black (carbonaceous?) accessory component defines an irregular streaky/lenticular fabric which has a bedded aspect. The rock locally shows small-scale vuggy porosity.

Thin section examination confirms the clastic character of this rock. It consists dominantly of quartz, as sub-angular grains 30 - 100 microns in size, intergrown with varied proportions of a minutely fine-grained, cherty variant (of grain size 5 - 30 microns).

The cherty component sometimes occurs as diffuse interstitial networks to aggregates of the fine sand-sized grains; it sometimes forms a matrix through which the coarser grains are scattered; and it sometimes appears to constitute discrete clasts of comparable (or locally greater) size to the sand grains.

It is possible that a minor component of plagioclase is present, as sporadic sand-sized clasts and as a constituent of the cherty variant. Occasional small lenses of what appears to be minutely microgranular K-feldspar are also seen.

Sericite is another minor accessory, as minute dustings in the cherty component, as sparsely dispersed individual flakes, and as rare, small, segregated pockets.

A few tiny grains of tourmaline are recognizable.

The dark pigmentation is an optically indeterminate cryptocrystalline material occurring as zones of irregular/sinuous schlieren, diffuse impregnations of the cherty quartz component, and intergranular films outlining the sand-sized quartz grains. This material was initially presumed to be of carbonaceous (bituminous) character, but its appearance under high magnification in reflected light suggests rather that it may have a substantial content of rutile. The sporadic occurrence of traces of sphene in association with the black material is consistent with this observation.

Sample 596765 cont.

The sectioned portion of this sample contains only insignificant traces of sulfides, as a few, randomly disseminated, tiny, individual specks of pyrite and marmatitic sphalerite. Assays are reported to indicate the presence of significant levels of Pb and Zn. These must presumably, then, be present in non-sulfide (oxidized/secondary) form. The slide does contain a few sub-concordant hairline veinlets of a brown carbonate which could be smithsonite or cerussite, and it is possible that the cryptocrystalline opaque material could include a proportion of anglesite.

SAMPLE: DROMEDARY MAIN (Slide 97-27659) SEMI-MASSIVE SULFIDES

Estimated mode

Quartz	8.5
Diopside	12
Garnet	4
Chlorite	0.5
Pyrrhotite	65
Arsenopyrite	2
Sphalerite	4
Galena	2
Chalcopyrite	0.5
Limonite	1.5

This sample consists of fine-grained, semi-massive sulfides. Polished thin section examination reveals that the dominant component is pyrrhotite, with diopside, quartz and garnet as the principal accessories.

Macroscopic examination of the section shows two texturally distinct variants, each making up about half of the slide. One is a non-foliated, fine-grained intergrowth of sulfides and silicates showing patchy variations in relative proportions. In the other variant the sulfides show an irregular, small-scale, laminar texture, with occasional small sulfide-free intercalations.

The non-foliated portion consists essentially of an intimate, fine-grained intergrowth of sulfides and diopside, on a scale of 2 - 200 microns. The sulfides form a matrix to tiny included grains of diopside and/or occur as an interstitial phase to meshworks and sheafs of prismatic diopside grains - a relationship which suggests concomitant development under conditions of recrystallization. Minor quartz occurs as sporadic individual grains and as occasional segregations of minutely microgranular texture.

The sulfides consist dominantly of pyrrhotite, as individual, small, equant grains, more or less coalescent to irregular compact patches. Accessory sphalerite and galena occur within the pyrrhotite as sporadic irregular clumps of grains 2 - 200 microns in size, sometimes mutually. Minor chalcopyrite is present as scattered tiny flecks, and arsenopyrite and rare pyrite as occasional individual grains, 100 - 300 microns in size.

The other (foliated) half of the slide differs in that the silicate component consists of minutely cherty quartz and garnet - the latter partly of spongy porphyroblastic character.

The sulfide assemblage is similar to that in the other half except that arsenopyrite and chalcopyrite appear somewhat more abundant, and galena less so.

Sample Dromedary Main cont.

Part of the pyrrhotite and associated sphalerite is extremely fine-grained and forms intimate intergrowths with the silicates on a scale of 2 - 50 microns. The laminar fabric is defined by close-spaced, thin bands of compact, silicate-free pyrrhotite.

The contact of this variant with the diopside-rich one is marked by a thin zone of foliaceous chlorite.

The massive sulfides are cut by a few multi-directional fractures infilled by limonite.

SAMPLE: KAL-1 (Slide 97-27660) ACTINOLITE QUARTZITE WITH SULFIDES

Estimated mode

Quartz	40
Actinolite	38
Garnet	trace
Galena	12
Sphalerite	6
Chalcopyrite	trace
Pyrrhotite	1
Limonite	3

This sample shows sharply defined compositional banding on a scale of 5 - 10 mm.

Thin section examination shows that it consists dominantly of two silicate components - quartz and actinolite - plus local development of a Pb/Zn-rich sulfide assemblage. It is closely similar to Sample 010419, but with a higher ratio of actinolite and sulfides relative to quartz.

The light-coloured bands in the thin section show virtually identical features to those described in Sample 010419, consisting of aggregates of sub-angular to sub-rounded, equant to slightly elongate grains of quartz, 0.1 - 0.4 mm in size, with an interstitial silty or cherty phase of quartz of grain size 10 - 50 microns. Radiate clusters of fibro/acicular actinolite occur sporadically throughout this texturally bimodal quartzite matrix, locally coalescing as concordant streaks.

In this sample quartzitic bands (with widely varying ratios of cherty to sand-sized quartz) alternate with brownish bands which are composed of essentially monomineralic actinolite, as compact felted to radiate/acicular aggregates.

The sulfide assemblage in the present sample differs from that in 010419 in consisting dominantly of galena and sphalerite, with only minor pyrrhotite.

Sulfides are sparse over most of the sectioned area, being confined to very fine-grained disseminations - mainly of sphalerite and pyrrhotite - in some quartzitic bands. The grain size of the sulfides is typically in the range 5 - 100 microns, with the sphalerite locally aggregating as clumps and lenses up to 1 mm or so in thickness. Sulfides are rare in the actinolite bands.

The bulk of the sulfides occur within a zone about 1 cm in thickness at one end of the sectioned portion. Galena is strongly dominant in this zone. It forms fine disseminations and irregular clumpy segregations 0.5 - 2.0 mm or more in size in a chert-rich quartzite band, and minutely fine-grained intergranular impregnations (ranging

Sample KAL-1 cont.

down to low micron size) in some thin intercalated actinolite laminae.

The sulfides are more or less strongly oxidized (to limonite and secondary Pb and Zn minerals) at the extreme end of the slide and along a sub-concordant fracture in the centre.

APPENDIX F

CERTIFICATES OF ANALYSIS AND STATISTICAL TABLES



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

A9733358

Comments: ATTN: MURREY JONES CC:BRIAN BUTTERWORTH

CERTIFICATE

A9733358

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK9703
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 30-JUL-97.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	56	Geochem ring to approx 150 mesh
226	56	0-3 Kg crush and split
3202	56	Rock - save entire reject
229	56	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	56	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	56	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	56	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	56	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	56	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	56	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	56	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	56	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	56	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	56	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	56	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	56	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	56	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	56	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	56	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	56	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	56	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	56	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	56	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	56	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	56	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	56	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	56	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	56	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	56	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	56	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	56	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	56	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	56	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	56	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	56	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	56	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	56	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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 Comments: ATTN: MURREY JONES CC:BRIAN BUTTERWORTH

CERTIFICATE OF ANALYSIS A9733358

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
010411	205 226	5 1.8 4.05	64	70	0.5	< 2	2.67	2.0	24	80	62	7.18	10	< 1	0.71	< 10	1.07	305		
010412	205 226	< 5 17.0 0.31	1115	< 10	< 0.5	12	2.61	41.5	8	77	864	>15.00	10	< 1	< 0.01	20	0.10	1355		
010413	205 226	10 11.6 2.32	10	200	< 0.5	< 2	7.03	29.0	11	53	20	4.42	< 10	< 1	0.45	< 10	0.68	2270		
010414	205 226	< 5 0.6 1.31	20	250	0.5	< 2	8.13	2.0	8	33	30	3.22	< 10	< 1	0.53	< 10	1.17	1240		
010415	205 226	< 5 1.2 0.71	756	80	< 0.5	< 2	0.09	5.5	1	110	13	6.40	< 10	< 1	0.24	10	0.06	1135		
010416	205 226	< 5 < 0.2 1.90	14	200	< 0.5	< 2	0.28	0.5	3	97	8	1.92	< 10	< 1	0.41	< 10	0.50	800		
010417	205 226	< 5 0.4 0.59	56	220	0.5	< 2	0.05	7.5	9	109	17	7.48	< 10	< 1	0.13	10	0.14	5820		
010418	205 226	< 5 2.0 0.09	154	160	< 0.5	< 2	0.05	2.0	2	106	21	>15.00	>10	< 1	0.43	< 10	< 0.01	675		
010419	205 226	< 5 14.2 0.28	36	90	< 0.5	< 2	0.06	38.5	3	82	12	3.73	< 10	< 1	0.10	< 10	0.04	3120		
010420	205 226	< 5 0.2 1.98	8	390	0.5	< 2	1.26	1.0	3	109	7	1.21	< 10	< 1	0.37	< 10	0.45	870		
010421	205 226	< 5 0.4 0.81	4	110	< 0.5	< 2	0.07	0.5	1	179	3	1.43	< 10	< 1	0.37	10	0.19	665		
010422	205 226	< 5 2.6 0.26	2	80	< 0.5	< 2	0.06	< 0.5	< 1	210	5	0.52	< 10	< 1	0.06	< 10	0.02	2390		
010423	205 226	< 5 0.2 3.18	< 2	100	0.5	< 2	1.37	< 0.5	5	116	12	1.07	10	< 1	0.86	< 10	1.31	280		
010424	205 226	< 5 < 0.2 0.35	< 2	40	< 0.5	< 2	0.05	2.0	1	162	7	1.18	< 10	< 1	0.16	< 10	0.11	135		
010425	205 226	< 5 0.2 0.39	2	70	< 0.5	< 2	0.03	2.0	3	174	2	1.11	< 10	< 1	0.12	< 10	0.09	930		
010426	205 226	< 5 0.6 2.39	8	50	0.5	< 2	1.78	< 0.5	9	67	29	2.12	< 10	< 1	0.07	< 10	0.10	35		
010427	205 226	< 5 1.8 1.61	10	120	0.5	< 2	0.04	36.5	9	76	9	7.40	< 10	< 1	0.15	10	0.21	7390		
010428	205 226	< 5 1.4 0.29	20	80	< 0.5	< 2	0.01	< 0.5	< 1	97	7	0.44	< 10	< 1	0.12	< 10	0.01	30		
010429	205 226	< 5 < 0.2 2.21	< 2	60	0.5	< 2	13.25	1.5	4	60	7	1.32	< 10	< 1	0.30	< 10	0.51	365		
010451	205 226	1510 4.6 1.97	34	< 10	< 0.5	648	1.25	64.5	27	75	2570	13.70	10	< 1	< 0.01	< 10	0.11	260		
010452	205 226	< 5 1.2 2.15	68	90	0.5	< 2	0.71	0.5	12	126	84	2.45	< 10	1	0.61	< 10	1.23	385		
010453	205 226	10 20.4 4.66	66	150	< 0.5	< 2	0.94	88.5	23	169	108	12.25	10	< 1	0.43	< 10	0.64	5180		
010454	205 226	< 5 2.2 0.86	56	330	< 0.5	2	0.11	60.5	14	87	6	8.80	< 10	< 1	0.34	10	0.12	>10000		
010455	205 226	< 5 1.6 0.26	324	410	< 0.5	< 2	0.14	3.5	4	84	34	>15.00	>10	< 1	0.12	< 10	0.02	1130		
010456	205 226	< 5 0.6 2.25	136	50	0.5	< 2	0.14	5.0	14	61	249	>15.00	>10	< 1	0.37	< 10	0.47	4490		
010457	205 226	< 5 0.2 0.82	26	160	< 0.5	< 2	2.40	1.5	2	98	6	1.45	< 10	< 1	0.41	< 10	0.29	1440		
010458	205 226	< 5 0.2 0.58	20	90	< 0.5	< 2	0.58	0.5	3	189	7	1.24	< 10	< 1	0.30	< 10	0.15	915		
010459	205 226	< 5 < 0.2 1.10	42	110	< 0.5	< 2	0.09	9.5	10	156	7	5.28	< 10	< 1	0.38	10	0.32	5730		
010460	205 226	< 5 1.8 1.69	38	150	< 0.5	< 2	0.11	1.5	3	118	11	11.90	10	< 1	0.73	< 10	0.15	6510		
010461	205 226	< 5 1.8 0.30	98	180	< 0.5	< 2	0.05	2.0	2	204	16	14.15	< 10	< 1	0.28	10	0.01	985		
010462	205 226	< 5 2.2 3.47	< 2	70	0.5	< 2	2.06	0.5	8	160	49	2.33	10	< 1	0.29	< 10	0.51	140		
010463	205 226	< 5 0.2 3.58	< 2	160	0.5	< 2	7.11	1.0	6	56	7	1.41	10	< 1	1.61	< 10	4.17	605		
010464	205 226	< 5 < 0.2 0.71	56	510	< 0.5	< 2	0.06	2.0	4	70	22	>15.00	10	< 1	0.17	< 10	0.07	525		
010465	205 226	< 5 < 0.2 0.33	20	150	< 0.5	< 2	0.13	1.0	2	170	1	0.66	< 10	< 1	0.15	< 10	0.08	705		
010466	205 226	< 5 7.2 0.37	80	30	< 0.5	< 2	0.04	1.5	1	88	51	8.50	< 10	1	0.05	< 10	0.03	2260		
010467	205 226	< 5 1.0 2.47	12	240	< 0.5	< 2	0.07	1.0	3	150	5	5.23	< 10	< 1	1.18	10	0.29	4170		
010468	205 226	< 5 1.2 3.81	< 2	50	0.5	< 2	2.57	< 0.5	6	110	14	1.42	10	< 1	1.03	< 10	1.49	655		
010469	205 226	< 5 17.8 0.76	2	280	< 0.5	< 2	0.32	53.5	2	107	7	2.13	< 10	41	0.10	< 10	0.30	1520		
010470	205 226	< 5 2.8 0.96	2	280	< 0.5	< 2	0.17	4.0	2	178	3	1.10	< 10	3	0.19	< 10	0.28	350		
010471	205 226	< 5 2.0 1.14	10	230	< 0.5	< 2	0.18	5.0	3	167	3	1.57	< 10	4	0.30	< 10	0.50	720		

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 32 Kasys

CERTIFICATION:



Chemex Labs Ltd.

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CERTIFICATE OF ANALYSIS A9733358

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
010411	205 226	< 1	0.12	48	880	20	< 2	3	141	0.04	< 10	< 10	29	< 10	274
010412	205 226	7 < 0.01	96	>10000	4670	18	1	145	0.01	< 10	< 10	189	< 10	>10000	
010413	205 226	< 1	0.03	32	710	5040	6	3	252	0.04	< 10	< 10	23	< 10	7180
010414	205 226	1	0.01	18	720	136	< 2	1	248	0.03	< 10	< 10	12	< 10	396
010415	205 226	1 < 0.01	8	190	238	6	1	7	0.01	< 10	< 10	39	< 10	860	
010416	205 226	1 < 0.01	33	350	104	< 2	1	17	0.13	< 10	< 10	94	< 10	426	
010417	205 226	4 < 0.01	89	580	214	6	< 1	18	< 0.01	< 10	< 10	32	< 10	4670	
010418	205 226	19 < 0.01	1	2110	636	10	< 1	220	0.01	130	< 10	67	< 10	510	
010419	205 226	1 < 0.01	4	370	9270	10	< 1	12	0.01	< 10	< 10	32	< 10	8750	
010420	205 226	< 1 < 0.01	29	270	46	< 2	2	21	0.09	< 10	< 10	134	< 10	634	
010421	205 226	1 < 0.01	7	280	274	< 2	1	7	0.04	< 10	< 10	57	< 10	466	
010422	205 226	< 1 < 0.01	3	130	1010	< 2	< 1	5	0.01	< 10	< 10	9	< 10	22	
010423	205 226	< 1 < 0.02	11	340	24	< 2	4	39	0.05	< 10	< 10	43	< 10	66	
010424	205 226	4 < 0.01	9	170	16	< 2	< 1	3	< 0.01	< 10	< 10	12	< 10	422	
010425	205 226	1 < 0.01	11	150	86	< 2	< 1	8	< 0.01	< 10	< 10	18	< 10	410	
010426	205 226	< 1 0.07	32	370	< 2	< 2	< 1	77	0.08	< 10	< 10	6	< 10	22	
010427	205 226	3 < 0.01	30	200	414	2	1	5	0.01	< 10	< 10	35	< 10	4030	
010428	205 226	1 < 0.01	1	70	8	< 2	< 1	16	< 0.01	< 10	< 10	29	< 10	14	
010429	205 226	< 1 < 0.01	23	250	16	< 2	3	204	0.09	< 10	< 10	140	< 10	180	
010451	205 226	4 0.02	20	170	2	< 2	< 1	56	0.03	< 10	< 10	26	710	2220	
010452	205 226	< 1 0.20	32	390	14	6	7	58	0.03	< 10	< 10	115	< 10	96	
010453	205 226	1 < 0.01	83	950	8780	10	8	28	0.08	< 10	< 10	87	< 10	>10000	
010454	205 226	37 < 0.01	112	360	814	8	1	64	0.05	< 10	< 10	52	< 10	>10000	
010455	205 226	21 < 0.01	5	2940	302	12	< 1	81	0.01	30	< 10	113	< 10	770	
010456	205 226	4 < 0.01	83	1000	56	6	5	21	0.03	80	< 10	156	< 10	3230	
010457	205 226	< 1 < 0.01	15	330	50	4	< 1	20	0.04	< 10	< 10	40	< 10	390	
010458	205 226	1 < 0.01	16	420	34	2	< 1	8	0.04	< 10	< 10	36	< 10	114	
010459	205 226	< 1 < 0.01	29	460	16	8	2	19	0.05	< 10	< 10	92	< 10	2670	
010460	205 226	3 < 0.01	7	250	794	6	1	10	0.08	< 10	< 10	96	< 10	450	
010461	205 226	< 1 < 0.01	5	2070	472	12	< 1	56	0.01	< 10	< 10	248	< 10	424	
010462	205 226	1 0.39	40	420	12	< 2	1	124	0.17	< 10	< 10	39	< 10	116	
010463	205 226	< 1 0.08	12	260	8	< 2	4	81	0.07	< 10	< 10	27	< 10	102	
010464	205 226	3 < 0.01	20	1110	196	2	< 1	13	0.03	< 10	< 10	129	< 10	928	
010465	205 226	< 1 < 0.01	11	430	14	< 2	< 1	6	< 0.01	< 10	< 10	20	< 10	238	
010466	205 226	< 1 < 0.01	6	380	1685	10	1	3	0.01	< 10	< 10	49	< 10	1660	
010467	205 226	< 1 < 0.01	12	240	796	4	2	15	0.11	< 10	< 10	103	< 10	696	
010468	205 226	1 0.09	13	290	22	26	4	46	0.07	< 10	< 10	33	< 10	30	
010469	205 226	< 1 < 0.01	10	220	>10000	24	< 1	9	0.02	< 10	< 10	39	< 10	>10000	
010470	205 226	< 1 < 0.01	6	160	6370	6	< 1	12	0.02	< 10	< 10	43	< 10	1855	
010471	205 226	< 1 < 0.01	7	170	3250	4	< 1	20	0.03	< 10	< 10	55	< 10	2430	

CERTIFICATION: Hans Buehler



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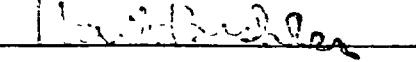
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SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
596751	205 226	< 5	3.8	0.74	50	180	< 0.5	2	0.09	11.5	3	65	6	6.31	< 10	< 1	0.35	10	0.10	9980
596752	205 226	< 5	12.6	0.22	24	80	< 0.5	< 2	0.10	29.0	2	123	8	3.65	< 10	< 1	0.08	< 10	0.04	4000
596753	205 226	< 5	0.2	0.79	10	160	< 0.5	< 2	4.17	1.0	4	70	7	1.85	< 10	< 1	0.39	10	0.21	1720
596754	205 226	< 5	0.2	0.60	116	160	< 0.5	< 2	0.03	0.5	2	162	7	5.42	< 10	1	0.52	10	0.05	390
596755	205 226	< 5	0.6	0.35	126	280	< 0.5	< 2	0.07	0.5	1	115	5	6.11	< 10	< 1	0.45	10	0.01	205
596756	205 226	< 5	1.2	0.20	220	100	< 0.5	< 2	0.06	1.5	2	77	11	13.15	10	< 1	0.88	10	0.01	330
596757	205 226	< 5	< 0.2	1.27	< 2	90	0.5	< 2	0.48	< 0.5	3	112	4	0.83	< 10	< 1	0.42	10	0.27	95
596758	205 226	< 5	0.2	2.68	< 2	160	0.5	< 2	7.46	4.0	5	51	6	1.56	10	< 1	1.34	< 10	4.09	985
596759	205 226	< 5	0.4	0.39	22	100	< 0.5	< 2	0.04	1.5	< 1	90	8	4.14	< 10	1	0.16	10	0.02	155
596760	205 226	< 5	< 0.2	0.37	18	110	< 0.5	< 2	0.04	2.5	2	147	6	7.46	< 10	< 1	0.14	10	0.02	135
596761	205 226	< 5	1.0	2.28	46	170	< 0.5	< 2	0.09	1.5	4	126	6	4.78	< 10	< 1	0.90	10	0.33	3680
596762	205 226	< 5	< 0.2	0.83	12	100	< 0.5	< 2	1.74	0.5	4	134	5	1.39	< 10	< 1	0.36	20	0.24	1545
596763	205 226	< 5	0.6	1.77	56	270	0.5	< 2	2.11	< 0.5	3	142	5	1.27	< 10	< 1	0.35	< 10	0.35	970
596764	205 226	< 5	3.0	0.69	10	280	< 0.5	< 2	0.18	1.5	2	147	4	1.22	< 10	3	0.18	< 10	0.15	325
596765	205 226	< 5	3.6	1.34	52	330	0.5	< 2	1.84	5.0	3	129	6	1.56	< 10	4	0.26	< 10	0.33	1400
596766	205 226	< 5	0.8	0.99	6	210	< 0.5	< 2	0.19	4.0	2	124	4	1.98	< 10	< 1	0.23	< 10	0.24	425

CERTIFICATION: 



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 Total Pages :2
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 Invoice No. : I9733358
 P.O. Number :
 Account :EIA

Project: BLK9703

Comments: ATTN: MURREY JONES CC:BRIAN BUTTERWORTH

CERTIFICATE OF ANALYSIS

A9733358

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Tl %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
596751	205 226	2 < 0.01	7	400	2060	8	1	16	0.04	< 10	< 10	45	< 10	4950	
596752	205 226	< 1 < 0.01	3	450	8870	12	< 1	7	0.01	< 10	< 10	28	< 10	9650	
596753	205 226	1 < 0.01	33	310	60	2	1	58	0.07	< 10	< 10	81	< 10	454	
596754	205 226	8 < 0.01	5	1120	170	8	1	199	0.03	70	< 10	77	< 10	166	
596755	205 226	9 0.01	2	1700	562	8	< 1	392	0.03	70	< 10	65	< 10	118	
596756	205 226	26 0.01	1	2840	1790	20	< 1	455	0.03	180	< 10	66	< 10	234	
596757	205 226	1 < 0.01	13	430	16	< 2	1	16	0.10	< 10	< 10	93	< 10	92	
596758	205 226	< 1 < 0.01	14	200	12	< 2	3	80	0.05	< 10	< 10	20	< 10	374	
596759	205 226	53 < 0.01	5	380	20	64	< 1	4 < 0.01	< 10	< 10	250	< 10	434		
596760	205 226	44 < 0.01	8	500	24	136	< 1	4 < 0.01	< 10	< 10	248	< 10	574		
596761	205 226	1 < 0.01	21	290	688	4	1	14	0.12	< 10	< 10	108	< 10	776	
596762	205 226	1 < 0.01	19	500	24	2	1	33 < 0.01	< 10	< 10	38	< 10	204		
596763	205 226	< 1 < 0.01	11	300	286	2	1	37	0.09	< 10	< 10	79	< 10	194	
596764	205 226	< 1 < 0.01	5	210 >10000	6	< 1	9	0.04	< 10	< 10	27	< 10	1010		
596765	205 226	< 1 < 0.01	12	220 >10000	6	1	33	0.05	< 10	< 10	62	< 10	5970		
596766	205 226	< 1 < 0.01	11	250	538	4	< 1	17	0.03	< 10	< 10	31	< 10	1660	

CERTIFICATION.



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

A9734555

Comments: ATTN:MURRAY JONES

CERTIFICATE

A9734555

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK-97-3
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 7-AUG-97.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	22	Geochem ring to approx 150 mesh
226	22	0-3 Kg crush and split
3202	22	Rock - save entire reject
229	22	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	22	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	22	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	22	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	22	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	22	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	22	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	22	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	22	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	22	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	22	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	22	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	22	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	22	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	22	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	22	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	22	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	22	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	22	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	22	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	22	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	22	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	22	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	22	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	22	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	22	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	22	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	22	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	22	Tl %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	22	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	22	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	22	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	22	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	22	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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 British Columbia, Canada V7J 2C1
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

Page Number : 1-A
 Total Pages : 1
 Certificate Date: 07-AUG-97
 Invoice No. : 19734555
 P.O. Number :
 Account : EIA

Project: BLK-97-3
 Comments: ATTN:MURRAY JONES

CERTIFICATE OF ANALYSIS A9734555

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
010430	205 226	5	0.6	2.30	166	100	0.5	< 2	0.72	< 0.5	16	104	55	2.77	< 10	< 1	0.82	10	1.14	1475
010432	205 226	< 5	0.8	0.78	8	110	< 0.5	< 2	0.35	< 0.5	5	198	25	0.95	< 10	< 1	0.03	< 10	0.15	95
010433	205 226	< 5	0.6	1.87	10	380	< 0.5	< 2	0.04	< 0.5	< 1	127	3	4.64	< 10	< 1	1.05	< 10	0.23	1225
010434	205 226	< 5	0.4	0.13	8	70	< 0.5	< 2	< 0.01	< 0.5	< 1	167	4	0.26	< 10	< 1	0.07	< 10	< 0.01	10
010472	205 226	< 5	< 0.2	6.22	14	590	1.0	< 2	5.23	< 0.5	11	85	30	2.93	10	< 1	1.46	10	1.81	390
010473	205 226	< 5	0.2	6.92	24	140	1.5	< 2	3.33	< 0.5	10	105	19	2.67	10	< 1	0.86	< 10	1.52	335
010474	205 226	< 5	1.8	3.66	66	80	0.5	< 2	2.10	1.0	10	103	79	2.71	10	< 1	0.08	< 10	1.08	535
010475	205 226	< 5	0.2	0.31	20	180	< 0.5	< 2	0.11	2.0	< 1	199	15	1.39	< 10	1	0.04	< 10	0.05	75
010476	205 226	< 5	0.2	2.27	8	60	< 0.5	< 2	0.69	< 0.5	9	126	62	2.13	10	< 1	0.96	< 10	1.49	340
596767	205 226	< 5	0.2	1.44	32	90	< 0.5	< 2	0.05	< 0.5	1	132	5	3.77	< 10	< 1	0.30	< 10	0.33	1515
596768	205 226	< 5	0.2	0.54	22	70	< 0.5	< 2	0.03	0.5	3	176	3	2.83	< 10	< 1	0.17	< 10	0.08	195
596769	205 226	< 5	1.6	3.29	14	>10000	< 0.5	< 2	0.08	< 0.5	5	153	31	1.51	< 10	< 1	0.09	10	0.04	65
596770	205 226	20	0.6	0.67	44	300	0.5	< 2	3.04	4.0	5	40	23	2.16	< 10	< 1	0.30	30	1.70	885
596771	205 226	< 5	0.2	0.50	52	270	< 0.5	< 2	1.69	< 0.5	4	138	19	1.62	< 10	< 1	0.21	20	0.55	595
596772	205 226	< 5	0.4	0.59	48	220	0.5	< 2	1.66	0.5	4	65	30	1.65	< 10	< 1	0.26	30	0.82	425
596773	205 226	< 5	0.2	0.62	40	160	0.5	< 2	0.10	1.5	7	81	19	1.61	< 10	< 1	0.25	30	0.08	420
596774	205 226	10	1.4	0.79	88	230	0.5	< 2	2.48	1.5	9	40	63	2.65	< 10	< 1	0.28	30	1.09	620
596775	205 226	< 5	0.2	0.41	28	170	< 0.5	< 2	0.47	6.0	4	152	21	1.67	< 10	< 1	0.17	20	0.25	245
596776	205 226	10	1.6	0.50	214	370	< 0.5	< 2	0.06	0.5	2	103	32	3.28	< 10	< 1	0.47	10	0.22	120
596777	205 226	< 5	< 0.2	0.64	< 2	130	< 0.5	< 2	0.19	< 0.5	4	192	6	1.13	< 10	< 1	0.23	10	0.35	125
596778	205 226	< 5	1.2	0.37	168	290	< 0.5	2	0.05	< 0.5	1	140	22	3.61	< 10	< 1	0.50	10	0.05	50
596779	205 226	< 5	1.2	0.25	58	160	< 0.5	< 2	0.01	< 0.5	2	195	7	0.78	< 10	< 1	0.06	< 10	0.03	80

5 King
 10 Francis
 7 Kelowna

CERTIFICATION: John R. Jones



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

Page Number : 1-B
 Total Pages : 1
 Certificate Date: 07-AUG-97
 Invoice No.: 19734555
 P.O. Number:
 Account : EIA

Project : BLK-97-3
 Comments: ATTN:MURRAY JONES

CERTIFICATE OF ANALYSIS

A9734555

SAMPLE	PREP CODE	No ppm	Na %	Mg ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Tl %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
010430	205 226	1	0.03	44	2240	2	< 2	4	35	0.13	< 10	< 10	86	< 10	54
010432	205 226	< 1	0.04	30	80	16	< 2	1	59	0.01	< 10	< 10	23	< 10	16
010433	205 226	< 1 < 0.01	7	140	386	< 2		1	8	0.08	< 10	< 10	62	< 10	88
010434	205 226	< 1 < 0.01	3	30	46	14	< 1	4	< 0.01	< 10	< 10	< 10	6	< 10	< 2
010472	205 226	1	0.76	27	410	6	< 2	9	246	0.12	< 10	< 10	56	< 10	56
010473	205 226	2	0.66	20	360	8	2	8	205	0.10	< 10	< 10	48	< 10	42
010474	205 226	10	0.34	32	420	20	2	9	129	0.09	< 10	< 10	173	< 10	138
010475	205 226	3 < 0.01	25	480	86	< 2		1	23	< 0.01	< 10	< 10	31	< 10	258
010476	205 226	5	0.15	28	740	6	< 2	10	37	0.09	< 10	< 10	89	< 10	76
596767	205 226	< 1 < 0.01	17	390	202	< 2		1	12	0.05	< 10	< 10	95	< 10	550
596768	205 226	< 1 < 0.01	5	220	40	6	< 1	5	< 0.01	< 10	< 10	34	< 10	302	
596769	205 226	5	0.01	45	490	2	< 2	3	20	< 0.01	< 10	< 10	83	< 10	14
596770	205 226	3 < 0.01	31	300	6	10		3	54	< 0.01	< 10	< 10	11	< 10	232
596771	205 226	4 < 0.01	28	440	20	6		1	41	< 0.01	< 10	< 10	12	< 10	78
596772	205 226	6 < 0.01	35	610	46	12		2	44	< 0.01	< 10	< 10	23	< 10	126
596773	205 226	13 < 0.01	54	330	14	12	1	8	< 0.01	< 10	< 10	12	< 10	408	
596774	205 226	7 < 0.01	85	2390	32	14	3	61	< 0.01	< 10	< 10	35	< 10	330	
596775	205 226	13 < 0.01	62	660	8	52	1	16	< 0.01	< 10	< 10	14	< 10	658	
596776	205 226	1	0.01	15	2180	68	28	2	106	< 0.01	< 10	< 10	34	< 10	80
596777	205 226	24 < 0.01	146	520	6	< 2		1	10	0.04	< 10	< 10	868	< 10	74
596778	205 226	2	0.01	8	1770	18	26	2	89	< 0.01	< 10	< 10	28	< 10	42
596779	205 226	3 < 0.01	7	170	112	26	< 1	18	< 0.01	< 10	< 10	< 10	18	< 10	24

CERTIFICATION:



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9734856

Comments: ATTN: MURREY JONES CC:BRIAN BUTTERWORTH

CERTIFICATE

A9734856

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK9703
P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 31-JUL-97.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	6	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
312 316	3 4	Pb %: Conc. Nitric-HCL dig'n Zn %: Conc. Nitric-HCL dig'n	AAS AAS	0.01 0.01	100.0 100.0



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

**207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2**

Project : BLK9703 **Comments:** ATTN: MURREY JONES **CC:**BRIAN BUTTERWORTH

Page Number : 1
Total Pages : 1
Certificate Date: 31-JUL-97
Invoice No. : I9734856
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9734856

SAMPLE	PREP CODE	Pb %	Zn %								
010412	244	--	-----	1.72							
010453	244	--	-----	2.27							
010454	244	--	-----	1.81							
010469	244	--	5.53	5.83							
596764	244	--	1.22	-----							
596765	244	--	1.24	-----							

CERTIFICATION:



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

A9734505

Comments: CC: BLACKSTONE RESOURCES

FRANCOIS

CERTIFICATE

A9734505

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK97-03

P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 5-AUG-97.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	21	Dry, sieve to -80 mesh
202	21	save reject
229	21	ICP - AQ Digestion charge

* NOTE 1.

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	21	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	21	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	21	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	21	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	21	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	21	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	21	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	21	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	21	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	21	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	21	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	21	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	21	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	21	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	21	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	21	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	21	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	21	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	21	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	21	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	21	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	21	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	21	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	21	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	21	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	21	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	21	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	21	Tl %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	21	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	21	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	21	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	21	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	21	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



Chemex Labs Ltd.

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

Project: BLK97-03
 Comments: CC: BLACKSTONE RESOURCES

Page Number :1-A
 Total Pages :1
 Certificate Date: 05-AUG-97
 Invoice No.: I9734505
 P.O. Number:
 Account :EIA

Francois Grid

CERTIFICATE OF ANALYSIS

A9734505

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L7008 5400W	201 202	< 5	0.4	1.16	20	1020	0.5	< 2	0.30	0.5	8	21	43	2.54	< 10	< 1	0.16	10	0.26	435
L7008 5425W	201 202	< 5	0.4	1.37	90	490	0.5	< 2	0.16	0.5	8	26	46	3.09	< 10	< 1	0.09	10	0.31	335
L7008 5450W	201 202	< 5	0.6	1.23	110	730	0.5	< 2	0.38	1.5	10	21	52	4.45	< 10	< 1	0.13	20	0.34	1925
L7008 5475W	201 202	< 5	0.2	1.24	18	490	0.5	< 2	0.19	0.5	7	21	30	2.48	< 10	< 1	0.06	10	0.30	260
L5450W 6008	201 202	< 5	0.2	1.41	12	900	0.5	< 2	0.21	< 0.5	8	28	40	2.99	< 10	< 1	0.09	20	0.41	275
L5450W 6258	201 202	< 5	< 0.2	1.23	22	770	0.5	< 2	0.16	< 0.5	7	23	47	2.87	< 10	< 1	0.08	10	0.33	290
L5450W 6508	201 202	< 5	0.2	1.41	22	990	0.5	< 2	0.28	< 0.5	9	27	46	3.04	< 10	< 1	0.10	10	0.39	360
L5450W 6758	201 202	< 5	0.2	1.20	18	820	0.5	< 2	0.21	0.5	8	22	53	3.33	< 10	< 1	0.09	30	0.28	460
L5450W 7008	-- --	NotRod	NotRod	NotRod	NotRod	NotRod	NotRod	NotRod	NotRod	NotRod	NotRod	NotRod	NotRod	NotRod	NotRod	NotRod	NotRod	NotRod	NotRod	
L5450W 7258	201 202	< 5	< 0.2	1.20	44	700	0.5	< 2	0.17	0.5	8	22	59	2.93	< 10	< 1	0.09	10	0.31	400
L5450W 7508	201 202	< 5	< 0.2	1.10	18	450	0.5	< 2	0.15	< 0.5	7	20	35	2.45	< 10	< 1	0.05	10	0.31	215
L5450W 7758	201 202	< 5	< 0.2	1.09	16	730	< 0.5	< 2	0.22	< 0.5	7	21	30	2.50	< 10	1	0.04	10	0.34	265
L5450W 8008	201 202	< 5	0.4	1.08	20	1050	0.5	< 2	0.36	0.5	9	20	43	3.05	< 10	< 1	0.06	10	0.34	355
L5500W 6008	201 202	< 5	< 0.2	1.19	6	700	0.5	< 2	0.25	< 0.5	8	24	32	2.46	< 10	< 1	0.06	10	0.38	215
L5500W 6258	201 202	< 5	1.0	1.20	22	750	0.5	< 2	0.37	< 0.5	8	25	44	2.81	< 10	< 1	0.10	20	0.37	305
L5500W 6508	201 202	< 5	0.4	1.52	30	720	0.5	< 2	0.31	< 0.5	9	28	65	3.05	< 10	< 1	0.14	20	0.37	395
L5500W 6758	201 202	< 5	0.8	1.31	34	800	0.5	< 2	0.32	0.5	7	22	51	2.47	< 10	< 1	0.16	10	0.31	310
L5500W 7008	201 202	< 5	0.2	1.36	22	1020	0.5	< 2	0.32	0.5	9	26	44	3.13	< 10	< 1	0.10	10	0.42	480
L5500W 7258	201 202	< 5	< 0.2	1.90	28	550	0.5	< 2	0.15	< 0.5	12	29	32	3.08	< 10	< 1	0.11	20	0.45	500
L5500W 7508	201 202	< 5	< 0.2	1.16	16	500	0.5	< 2	0.13	< 0.5	8	22	29	2.35	< 10	< 1	0.06	10	0.33	210
L5500W 7758	201 202	< 5	0.2	1.57	20	880	0.5	< 2	0.27	0.5	8	28	48	3.01	< 10	< 1	0.11	20	0.40	380
L5500W 8008	201 202	< 5	0.2	1.11	14	670	0.5	< 2	0.44	0.5	9	23	34	2.64	< 10	< 1	0.06	10	0.41	385

Janet Bechler
 CERTIFICATION: _____



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

Page Number :1-B
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 Account :EIA

Project: BLK97-03
 Comments: CC: BLACKSTONE RESOURCES

CERTIFICATE OF ANALYSIS A9734505

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Tl %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L700S 5400W	201	202	3 0.01	30	860	28	6	4	42	0.01	< 10	< 10	53	< 10	146	
L700S 5425W	201	202	3 < 0.01	31	640	162	8	4	40	0.01	< 10	< 10	61	< 10	156	
L700S 5450W	201	202	3 < 0.01	57	640	98	8	5	35	< 0.01	< 10	< 10	48	< 10	514	
L700S 5475W	201	202	3 0.01	26	490	12	2	4	16	0.01	< 10	< 10	45	< 10	96	
L5450W 600S	201	202	1 < 0.01	30	460	12	< 2	6	23	0.03	< 10	< 10	53	< 10	118	
L5450W 625S	201	202	2 < 0.01	33	440	14	2	6	19	0.01	< 10	< 10	45	< 10	108	
L5450W 650S	201	202	1 < 0.01	34	530	10	2	6	27	0.03	< 10	< 10	55	< 10	116	
L5450W 675S	201	202	3 < 0.01	30	680	12	2	7	20	0.01	< 10	< 10	44	< 10	118	
L5450W 700S	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	
L5450W 725S	201	202	4 < 0.01	33	450	30	8	7	19	0.01	< 10	< 10	48	< 10	164	
L5450W 750S	201	202	3 < 0.01	25	400	22	4	4	17	0.01	< 10	< 10	40	< 10	110	
L5450W 775S	201	202	1 < 0.01	25	630	16	2	4	22	0.02	< 10	< 10	39	< 10	110	
L5450W 800S	201	202	2 < 0.01	37	660	12	< 2	5	32	0.01	< 10	< 10	41	< 10	136	
L5500W 600S	201	202	4 < 0.01	27	470	8	< 2	5	21	0.03	< 10	< 10	42	< 10	90	
L5500W 625S	201	202	5 0.01	33	700	14	6	6	34	0.02	< 10	< 10	49	< 10	96	
L5500W 650S	201	202	5 0.01	48	660	12	8	7	30	0.02	< 10	< 10	58	< 10	146	
L5500W 675S	201	202	5 0.01	35	690	16	2	5	41	0.01	< 10	< 10	56	< 10	144	
L5500W 700S	201	202	2 0.01	41	570	8	< 2	6	28	0.01	< 10	< 10	52	< 10	220	
L5500W 725S	201	202	4 < 0.01	33	620	12	< 2	4	19	0.01	< 10	< 10	59	< 10	150	
L5500W 750S	201	202	3 < 0.01	26	330	10	< 2	4	15	0.02	< 10	< 10	41	< 10	108	
L5500W 775S	201	202	3 0.01	46	690	14	2	8	29	0.02	< 10	< 10	56	< 10	150	
L5500W 800S	201	202	2 0.01	33	740	14	2	4	39	0.03	< 10	< 10	43	< 10	140	

CERTIFICATION:



Chemex Labs Ltd.

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

A9734517

Comments: CC: BLACKSTONE RESOURCES

Francois

CERTIFICATE

A9734517

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK97-03
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 5-AUG-97.

SAMPLE PREPARATION

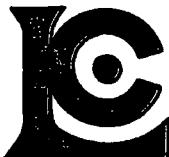
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	35	Dry, sieve to -80 mesh save reject
202	35	ICP - AQ Digestion charge
229	35	

* NOTE 1.

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	35	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	35	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	35	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	35	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	35	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	35	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	35	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	35	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	35	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	35	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	35	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	35	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	35	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	35	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	35	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	35	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	35	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	35	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	35	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	35	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	35	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	35	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	35	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	35	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	35	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	35	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	35	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	35	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	35	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	35	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	35	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	35	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	35	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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 V6B 1N2

Project: BLK97-03
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Page Number : 1-A
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 Account : EIA

FRANCOIS GRID

CERTIFICATE OF ANALYSIS

A9734517

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L5300W 5908	201 202	< 5	1.0	1.43	20	290	< 0.5	< 2	0.10	< 0.5	6	25	24	2.25	< 10	< 1	0.08	10	0.35	145
L5300W 6008	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	
L5300W 6258	201 202	< 5	0.4	1.15	22	530	0.5	< 2	0.75	< 0.5	10	24	35	2.68	< 10	< 1	0.10	10	0.60	510
L5300W 6508	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	
L5300W 6758	201 202	< 5	0.4	1.21	20	1070	0.5	< 2	0.54	0.5	9	22	45	2.44	< 10	< 1	0.15	10	0.37	440
L5300W 7008	201 202	< 5	0.6	0.95	18	830	0.5	< 2	1.13	1.5	8	17	43	2.24	< 10	< 1	0.15	10	0.40	400
L5300W 7258	201 202	< 5	0.6	1.02	24	850	0.5	< 2	0.84	1.0	8	18	43	2.23	< 10	< 1	0.14	10	0.35	395
L5300W 7508	201 202	< 5	0.6	1.17	26	910	0.5	< 2	0.72	1.0	9	20	47	2.41	< 10	< 1	0.16	10	0.36	385
L5300W 7758	201 202	< 5	< 0.2	1.27	18	840	0.5	< 2	0.32	< 0.5	9	25	40	2.63	< 10	< 1	0.10	10	0.27	585
L5300W 8008	201 202	< 5	< 0.2	1.00	20	760	0.5	< 2	0.19	< 0.5	6	17	36	2.00	< 10	< 1	0.08	10	0.23	270
L5315W 6508	201 202	< 5	0.2	1.29	18	990	0.5	< 2	0.31	< 0.5	9	21	45	2.72	< 10	< 1	0.16	10	0.30	450
L5350W 6008	201 202	< 5	1.0	1.13	22	290	< 0.5	< 2	0.09	< 0.5	5	19	24	2.01	< 10	< 1	0.09	10	0.25	165
L5350W 6258	201 202	< 5	< 0.2	1.25	24	620	0.5	< 2	0.20	< 0.5	6	25	33	2.37	< 10	< 1	0.08	10	0.37	205
L5350W 6508	201 202	< 5	0.2	1.13	22	890	0.5	< 2	0.35	< 0.5	7	23	38	2.41	< 10	< 1	0.10	10	0.32	375
L5350W 6758	201 202	< 5	0.2	0.99	20	950	0.5	< 2	0.31	0.5	8	19	40	2.39	< 10	< 1	0.13	10	0.28	420
L5350W 7008	201 202	< 5	< 0.2	1.23	18	890	0.5	< 2	0.33	< 0.5	8	24	35	2.43	< 10	< 1	0.12	10	0.38	340
L5350W 7258	201 202	< 5	0.2	1.36	14	940	0.5	< 2	0.36	< 0.5	9	27	37	2.64	< 10	< 1	0.12	10	0.38	410
L5350W 7508	201 202	< 5	0.4	1.33	22	900	0.5	< 2	0.41	0.5	9	28	43	2.44	< 10	< 1	0.16	10	0.39	445
L5350W 7758	201 202	< 5	0.6	1.10	24	1080	0.5	< 2	1.05	1.0	7	19	43	2.21	< 10	< 1	0.19	10	0.37	435
L5350W 8008	201 202	< 5	0.2	1.12	18	740	0.5	< 2	0.21	< 0.5	7	18	39	2.04	< 10	< 1	0.12	10	0.25	290
L5550W 6508	201 202	< 5	0.2	1.22	30	780	0.5	< 2	0.29	< 0.5	9	22	58	2.69	< 10	< 1	0.14	10	0.30	400
L5550W 6758	201 202	< 5	0.4	1.06	24	470	< 0.5	< 2	0.38	0.5	7	20	46	2.16	< 10	< 1	0.13	10	0.30	330
L5550W 7258	201 202	< 5	0.6	1.08	86	630	< 0.5	< 2	0.79	0.5	6	19	50	2.66	< 10	< 1	0.10	10	0.51	310
L5550W 7508	201 202	< 5	0.8	0.88	32	320	0.5	< 2	0.73	1.5	9	20	39	2.55	< 10	< 1	0.09	10	0.53	470
L5550W 7758	201 202	< 5	< 0.2	1.16	10	660	0.5	< 2	0.22	< 0.5	8	21	26	2.41	< 10	< 1	0.07	10	0.32	265
L5550W 8008	201 202	< 5	< 0.2	1.25	12	550	0.5	< 2	0.22	1.5	7	24	28	2.21	< 10	< 1	0.08	10	0.37	205
L5550W 8258	201 202	< 5	< 0.2	1.21	12	720	0.5	< 2	0.17	< 0.5	7	22	38	2.47	< 10	< 1	0.10	10	0.30	255
L5550W 8508	201 202	< 5	< 0.2	1.21	12	490	< 0.5	< 2	0.19	< 0.5	5	22	19	2.09	< 10	< 1	0.08	10	0.30	160
L5600W 6508	201 202	< 5	0.2	1.44	18	720	0.5	< 2	0.22	< 0.5	10	26	62	2.93	< 10	< 1	0.12	20	0.34	325
L5600W 6758	201 202	< 5	0.2	1.79	26	790	0.5	< 2	0.43	< 0.5	8	27	56	2.68	< 10	< 1	0.18	10	0.45	365
L5600W 7008	201 202	< 5	< 0.2	1.19	22	610	0.5	< 2	0.23	< 0.5	6	23	42	2.49	< 10	< 1	0.11	10	0.33	230
L5600W 7258	201 202	< 5	< 0.2	1.24	12	500	0.5	< 2	0.22	< 0.5	8	26	30	2.31	< 10	< 1	0.09	10	0.39	200
L5600W 7508	201 202	< 5	0.4	0.81	22	560	< 0.5	< 2	0.45	1.0	6	14	36	1.75	< 10	< 1	0.11	10	0.29	340
L5600W 7758	201 202	< 5	0.6	1.11	32	700	0.5	< 2	0.37	0.5	6	19	49	2.28	< 10	< 1	0.13	10	0.32	335
L5600W 8008	201 202	< 5	0.4	1.12	20	610	0.5	< 2	0.44	2.0	9	22	39	2.41	< 10	< 1	0.09	10	0.39	280
L5600W 8258	201 202	< 5	0.2	1.04	12	510	< 0.5	< 2	0.31	< 0.5	8	22	28	2.27	< 10	< 1	0.07	10	0.35	260
L5600W 8508	201 202	< 5	< 0.2	1.15	16	430	0.5	< 2	0.20	< 0.5	10	23	29	2.49	< 10	< 1	0.07	10	0.33	295

CERTIFICATION:



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CERTIFICATE OF ANALYSIS

A9734517

SAMPLE	PREP CODE	Mo ppm	Na %	Mg ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L5300W 5908	201 202	1 < 0.01	19	280	10	6	2	14	0.03	< 10	< 10	46	< 10	62	
L5300W 6008	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	
L5300W 6258	201 202	1 0.01	32	790	10	< 2	4	36	0.03	< 10	< 10	44	< 10	150	
L5300W 6508	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	
L5300W 6758	201 202	4 0.01	35	830	10	2	5	49	0.01	< 10	< 10	53	< 10	142	
L5300W 7008	201 202	5 0.01	31	820	14	8	4	55	0.01	< 10	< 10	44	< 10	178	
L5300W 7258	201 202	4 0.01	31	830	16	8	4	54	0.01	< 10	< 10	48	< 10	160	
L5300W 7508	201 202	4 0.01	35	840	16	4	5	51	0.01	< 10	< 10	51	< 10	158	
L5300W 7758	201 202	3 0.01	33	570	12	4	5	26	0.03	< 10	< 10	50	< 10	104	
L5300W 8008	201 202	3 < 0.01	23	470	10	2	4	22	0.01	< 10	< 10	40	< 10	104	
L5315W 6508	201 202	3 0.01	35	680	12	2	5	38	0.01	< 10	< 10	51	< 10	134	
L5350W 6008	201 202	3 < 0.01	17	330	14	8	2	20	0.02	< 10	< 10	38	< 10	62	
L5350W 6258	201 202	1 < 0.01	25	440	18	2	4	27	0.03	< 10	< 10	45	< 10	84	
L5350W 6508	201 202	2 0.01	34	780	14	2	4	37	0.02	< 10	< 10	46	< 10	120	
L5350W 6758	201 202	3 0.01	30	740	12	2	4	40	0.01	< 10	< 10	46	< 10	136	
L5350W 7008	201 202	2 0.01	31	590	12	< 2	5	35	0.03	< 10	< 10	50	< 10	106	
L5350W 7258	201 202	2 0.01	34	600	14	< 2	5	36	0.04	< 10	< 10	53	< 10	116	
L5350W 7508	201 202	5 0.03	39	710	14	6	4	48	0.02	< 10	< 10	52	< 10	154	
L5350W 7758	201 202	5 0.01	32	790	12	4	4	58	0.01	< 10	< 10	53	< 10	156	
L5350W 8008	201 202	4 0.01	26	400	14	2	4	23	0.01	< 10	< 10	45	< 10	118	
L5550W 6508	201 202	5 0.01	44	650	12	4	6	26	0.01	< 10	< 10	48	< 10	144	
L5550W 6758	201 202	6 0.03	30	800	12	2	4	37	0.01	< 10	< 10	45	< 10	156	
L5550W 7258	201 202	6 0.02	29	700	18	12	4	69	0.01	< 10	< 10	51	< 10	146	
L5550W 7508	201 202	5 0.01	44	940	14	6	4	40	0.03	< 10	< 10	36	< 10	346	
L5550W 7758	201 202	1 0.01	25	470	10	< 2	3	24	0.01	< 10	< 10	43	< 10	186	
L5550W 8008	201 202	1 < 0.01	26	370	10	< 2	4	20	0.03	< 10	< 10	43	< 10	230	
L5550W 8258	201 202	2 < 0.01	26	460	12	< 2	5	22	0.02	< 10	< 10	48	< 10	136	
L5550W 8508	201 202	1 < 0.01	16	510	10	< 2	3	19	0.03	< 10	< 10	47	< 10	74	
L5600W 6508	201 202	4 < 0.01	38	420	12	4	6	21	0.02	< 10	< 10	53	< 10	128	
L5600W 6758	201 202	5 0.05	40	580	14	2	6	38	0.03	< 10	< 10	59	< 10	152	
L5600W 7008	201 202	3 < 0.01	28	410	10	2	6	22	0.03	< 10	< 10	47	< 10	110	
L5600W 7258	201 202	1 < 0.01	25	400	8	< 2	4	21	0.04	< 10	< 10	43	< 10	78	
L5600W 7508	201 202	4 0.03	24	820	14	2	3	41	0.01	< 10	< 10	36	< 10	124	
L5600W 7758	201 202	4 0.02	32	860	18	4	5	37	0.02	< 10	< 10	43	< 10	130	
L5600W 8008	201 202	4 0.01	34	790	14	2	5	34	0.03	< 10	< 10	43	< 10	178	
L5600W 8258	201 202	3 0.01	25	790	12	6	4	30	0.03	< 10	< 10	40	< 10	118	
L5600W 8508	201 202	2 < 0.01	25	580	12	2	3	21	0.02	< 10	< 10	41	< 10	92	

CERTIFICATION:

A8734505 - CERTIFIED		CLIENT EQUITY ENGINEERING LTD		DATE RECEIVED 28-JUL-97		PROJECT : BLK97-03 Francois Grid Auger Soils		CERTIFICATE COMMENTS CC BLACKSTONE RESOURCES																									
SAMPLE	Au ppb	Ag ppb	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe ppm	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Si ppm	Tl %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
DESCRIPTION	FA+AA	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm		
L7005 5400W	2.5	0.4	1.16	20	1020	0.5	1	0.3	0.5	8	21	43	2.54	5	0.6	0.16	10	0.28	435	3	0.01	30	860	28	6	4	42	0.01	6	5	53	5	146
L7005 5425W	2.5	0.4	1.37	90	490	0.5	1	1.6	0.5	8	26	46	3.09	5	0.6	0.09	10	0.31	335	3	0.005	31	640	162	8	4	40	0.01	5	5	61	5	116
L7005 5450W	2.5	0.6	1.23	110	730	0.5	1	0.38	1.5	10	21	52	4.45	5	0.6	0.13	20	0.34	1920	3	0.005	57	640	98	8	5	35	0.005	5	5	46	5	514
L7005 5475W	2.5	0.2	1.24	18	490	0.5	1	0.19	0.5	7	21	30	2.48	5	0.6	0.06	10	0.3	260	3	0.01	26	490	12	2	4	16	0.01	5	5	45	5	96
L5450W 600S	2.5	0.2	1.41	12	900	0.5	1	0.21	0.25	8	28	40	2.89	5	0.6	0.09	20	0.41	275	1	0.005	30	460	12	1	6	23	0.03	5	5	53	5	118
L5450W 625S	2.5	0.1	1.23	22	770	0.5	1	0.16	0.26	7	23	47	2.87	5	0.6	0.08	10	0.33	290	2	0.005	33	440	14	2	6	19	0.01	5	5	45	5	108
L5450W 650S	2.5	0.2	1.41	22	990	0.5	1	0.28	0.25	9	27	46	3.04	5	0.6	0.1	10	0.39	360	1	0.005	34	630	10	2	8	27	0.03	5	5	55	5	118
L5450W 675S	2.5	0.2	1.2	18	820	0.5	1	0.21	0.6	8	22	53	3.33	5	0.6	0.09	30	0.28	440	3	0.005	30	680	12	2	7	20	0.01	5	5	44	5	115
L5450W 725S	2.5	0.1	1.2	44	700	0.5	1	0.17	0.6	8	22	59	2.93	5	0.6	0.09	10	0.31	400	4	0.005	33	450	30	8	7	18	0.01	5	5	48	5	164
L5450W 750S	2.5	0.1	1.1	18	450	0.5	1	0.16	0.25	7	20	35	2.45	5	0.6	0.05	10	0.31	215	3	0.005	26	400	22	4	4	17	0.01	5	5	40	5	115
L5450W 775S	2.5	0.1	1.09	16	730	0.26	1	0.22	0.26	7	21	30	2.5	5	1	0.04	10	0.34	265	1	0.005	26	630	18	2	4	22	0.02	5	5	39	5	110
L5450W 800S	2.5	0.4	1.08	20	1050	0.5	1	0.36	0.5	9	20	43	3.05	5	0.6	0.06	10	0.34	355	2	0.005	37	680	12	1	5	32	0.01	5	5	41	5	138
L5500W 600S	2.5	0.1	1.19	6	700	0.6	1	0.26	0.25	8	24	32	2.46	5	0.6	0.06	10	0.38	215	4	0.005	27	470	8	1	5	21	0.03	5	5	42	5	90
L5500W 625S	2.5	1	1.2	22	750	0.5	1	0.37	0.26	8	25	44	2.81	5	0.5	0.1	20	0.37	305	5	0.01	33	700	14	6	6	34	0.02	5	5	49	5	96
L5500W 650S	2.5	0.4	1.62	30	720	0.5	1	0.31	0.25	9	28	65	3.05	5	0.6	0.14	20	0.37	395	5	0.01	48	660	12	6	7	30	0.02	5	5	58	5	148
L5500W 675S	2.5	0.8	1.31	34	800	0.5	1	0.32	0.5	7	22	51	2.47	5	0.6	0.16	10	0.31	310	5	0.01	35	690	16	2	5	41	0.01	5	5	56	5	144
L5500W 700S	2.5	0.2	1.38	22	1020	0.5	1	0.32	0.5	9	26	44	3.13	5	0.5	0.1	10	0.42	480	2	0.001	41	570	8	1	6	28	0.01	5	5	62	5	220
L5500W 725S	2.5	0.1	1.9	28	550	0.5	1	0.16	0.25	12	28	32	3.08	5	0.6	0.11	20	0.45	500	4	0.005	33	620	12	1	4	19	0.01	5	5	59	5	150
L5500W 750S	2.5	0.1	1.16	16	500	0.5	1	0.13	0.28	8	22	28	2.35	5	0.5	0.06	10	0.33	210	3	0.005	26	330	10	1	4	16	0.02	5	5	41	5	108
L5500W 775S	2.5	0.2	1.57	20	880	0.5	1	0.27	0.5	8	28	48	3.01	5	0.5	0.11	20	0.4	380	3	0.001	46	690	14	2	8	28	0.02	5	5	56	5	150
L5500W 800S	2.5	0.2	1.11	14	670	0.5	1	0.44	0.5	9	23	34	2.64	5	0.6	0.06	10	0.41	385	2	0.001	33	740	14	2	4	39	0.03	5	5	43	5	140
L5300W 590S	2.5	1	1.43	20	290	0.25	1	0.1	0.25	6	25	24	2.25	5	0.6	0.08	10	0.35	145	1	0.005	19	260	10	6	2	14	0.03	5	5	46	5	62
L5300W 625S	2.5	0.4	1.15	22	530	0.5	1	0.76	0.25	10	24	35	2.68	5	0.6	0.1	10	0.6	510	1	0.001	32	780	10	1	4	36	0.03	5	5	44	5	150
L5300W 675S	2.5	0.4	1.21	20	1070	0.5	1	0.54	0.5	9	22	45	2.44	5	0.5	0.15	10	0.37	440	4	0.001	35	830	10	2	5	49	0.01	5	5	53	5	142
L5300W 700S	2.5	0.6	0.95	18	830	0.5	1	1.13	1.5	8	17	43	2.24	5	0.5	0.15	10	0.4	400	5	0.001	31	820	14	6	4	55	0.01	5	5	44	5	176
L5300W 725S	2.5	0.6	1.02	24	850	0.5	1	0.84	1	8	18	43	2.23	5	0.6	0.14	10	0.35	395	4	0.001	31	830	16	6	4	54	0.01	5	5	48	5	150
L5300W 750S	2.5	0.8	1.17	26	910	0.5	1	0.72	1	9	20	47	2.41	5	0.5	0.16	10	0.36	385	4	0.001	35	840	16	4	5	51	0.01	5	5	51	5	168
L5300W 775S	2.5	0.1	1.27	18	840	0.5	1	0.32	0.25	9	26	40	2.63	5	0.5	0.1	10	0.37	585	3	0.001	33	670	12	4	6	26	0.03	5	5	60	5	104
L5300W 800S	2.5	0.1	1	20	760	0.5	1	0.19	0.25	6	17	38	2	5	0.6	0.08	10	0.23	270	3	0.005	23	470	10	2	4	22	0.01	5	5	40	5	106
L5315W 550S	2.5	0.2	1.29	18	930	0.5	1	0.31	0.25	9	21	45	2.72	5	0.5	0.15	10	0.3	450	3	0.001	35	680	12	2	5	38	0.01	5	5	51	5	134
L5350W 600S	2.5	1	1.13	22	280	0.25	1	0.09	0.25	5	19	24	2.01	5	0.5	0.09	10	0.28	165	3	0.005	17	330	14	6	2	20	0.02	5	5	38	5	62
L5350W 625S	2.5	0.1	1.26	24	620	0.5	1	0.2	0.25	6	28	33	2.37	5	0.5	0.08	10	0.37	205	1	0.005	26	440	18	2	4	27	0.03	5	5	45	5	84
L5350W 650S	2.5	0.2	1.13	22	830	0.5	1	0.38	0.25	7	23	38	2.41	5	1	0	10	0.32	375	2	0.001	34	760	14	2	4	37	0.02	5	5	48	5	120
L5350W 675N	2.5	0.2	0.99	20	950	0.5	1	0.31	0.6	8	18	40	2.39	5	0.5	0.13	10	0.28	420	3	0.001	30	740	12	2	4	40	0.01	5	5	46	5	136
L5350W 700S	2.5	0.1	1.23	18	890	0.5	1	0.33	0.25	8	24	35	2.43	5	0.5	0.12	10	0.38	340	2	0.001	31	590	12	1	5	35	0.03	5	5	50	5	106
L5350W 725S	2.5	0.2	1.36	14	940	0.5	1	0.36	0.25	9	27	37	2.64	5	0.6	0.1	10	0.51	310	6	0.002	29	700	18	12	4	69	0.01	5	5	53	5	116
L5350W 750S	2.5	0.8	0.88	32	320	0.5	1	0.73	1.5	9	20	39	2.56	5	0.5	0.09	10	0.53	470	5	0.001	44	940	14	6	4	48	0.02	5	5	52	5	154
L5550W 775S	2.5	0.1	1.16	10	660	0.5	1	0.22	0.25	8	21	26	2.41	5	0.5	0.07	10	0.32	265	1	0.001	25	470	10	1	3	24	0.01	5	5	43	5	186
L5550W 800S	2.5	0.1	1.25	12	580	0.5	1	0.22	1.5	7	24	28	2.21	5	0.5	0.08	10	0.37	205	1	0.005	26	370	10	1	4	20	0.03	5	5	43	5	230
L5550W 825S	2.5	0.1	1.21	12	720	0.5	1	0.17	0.26	7	22	38	2.47	5	0.5	0.1	10	0.3	400	5	0.001	44	650	12	1	5	22	0.02	5	5	48	5	138
L5550W 850S	2.5	0.1	1.21	12	490	0.25	1	0.19	0.25	5	22																						



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

A9734509

Comments: CC: BLACKSTONE RESOURCES

100%

CERTIFICATE

A9734509

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK97-03
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 6-AUG-97.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	66	Dry, sieve to -80 mesh
202	66	save reject
229	66	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	66	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	66	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	66	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	66	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	66	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	66	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	66	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	66	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	66	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	66	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	66	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	66	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	66	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	66	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	66	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	66	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	66	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	66	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	66	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	66	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	66	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	66	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	66	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	66	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	66	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	66	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	66	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	66	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	66	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	66	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	66	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	66	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	66	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

Project: BLK97-03
 Comments: CC: BLACKSTONE RESOURCES

Page Number : 1-A
 Total Pages : 2
 Certificate Date: 06-AUG-97
 Invoice No. : 19734509
 P.O. Number :
 Account : EIA

KING CLAIMS

CERTIFICATE OF ANALYSIS

A9734509

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L5700E 3508	201 202	< 5	0.2	0.72	12	120	< 0.5	< 2	0.13	< 0.5	1	15	8	0.90	< 10	< 1	0.05	< 10	0.27	70
L5700E 3758	201 202	< 5	< 0.2	0.74	4	80	< 0.5	< 2	0.12	< 0.5	1	11	7	0.91	< 10	< 1	0.03	< 10	0.06	50
L5700E 4008	201 202	< 5	0.2	1.35	8	120	< 0.5	< 2	0.14	< 0.5	3	22	12	1.84	< 10	< 1	0.05	< 10	0.23	95
L5700E 4258	201 202	< 5	0.4	1.13	34	210	< 0.5	< 2	0.21	< 0.5	4	24	20	1.83	< 10	< 1	0.08	< 10	0.52	210
L5700E 4508	201 202	< 5	0.2	0.78	14	170	< 0.5	< 2	0.14	< 0.5	3	19	11	1.06	< 10	< 1	0.06	< 10	0.41	165
L5700E 5008	201 202	< 5	0.6	0.98	24	170	< 0.5	< 2	0.26	< 0.5	5	21	14	1.63	< 10	< 1	0.06	< 10	0.42	500
L5700E 5258	201 202	< 5	0.6	1.30	40	340	< 0.5	< 2	0.35	< 0.5	9	26	28	2.08	< 10	< 1	0.09	< 10	0.58	925
L5700E 5508	201 202	< 5	0.6	0.86	6	120	< 0.5	< 2	0.20	< 0.5	2	20	9	0.96	< 10	< 1	0.05	< 10	0.45	120
L5700E 5758	201 202	< 5	0.6	1.29	18	290	< 0.5	< 2	0.70	0.5	8	21	27	1.82	< 10	< 1	0.06	< 10	0.55	975
L5700E 6008	201 202	< 5	0.2	1.25	18	210	< 0.5	< 2	0.60	< 0.5	8	23	15	2.04	< 10	< 1	0.05	< 10	0.56	660
L5700E 6258	201 202	< 5	0.2	1.39	16	250	< 0.5	< 2	0.66	0.5	9	21	22	1.89	< 10	< 1	0.06	< 10	0.60	580
L5700E 6508	201 202	< 5	0.2	2.23	16	270	0.5	< 2	1.11	< 0.5	8	25	21	2.45	< 10	< 1	0.09	< 10	0.82	665
L5700E 6758	201 202	< 5	0.2	2.19	16	260	0.5	< 2	1.55	< 0.5	7	24	23	2.19	< 10	< 1	0.09	< 10	0.81	530
L5700E 7008	201 202	< 5	0.2	2.56	16	260	0.5	< 2	1.30	< 0.5	9	26	24	2.47	< 10	< 1	0.10	< 10	1.14	565
L5700E 7258	201 202	< 5	0.2	2.29	16	260	0.5	< 2	1.42	0.5	7	24	26	2.24	< 10	< 1	0.13	< 10	0.96	520
L5700E 7508	201 202	< 5	< 0.2	2.65	14	250	0.5	< 2	1.50	< 0.5	9	29	19	2.48	< 10	< 1	0.11	< 10	1.05	535
L6100E 3508	201 202	< 5	0.2	1.36	32	400	< 0.5	< 2	0.73	< 0.5	7	22	22	1.90	< 10	< 1	0.08	< 10	0.41	395
L6100E 4008	201 202	< 5	0.2	1.05	16	220	< 0.5	< 2	0.10	< 0.5	4	18	13	1.51	< 10	< 1	0.05	< 10	0.29	170
L6100E 4508	201 202	< 5	0.6	1.20	20	350	< 0.5	< 2	0.77	< 0.5	8	17	38	1.62	< 10	< 1	0.07	< 10	0.30	535
L6100E 5008	201 202	< 5	0.8	1.19	42	720	< 0.5	< 2	0.80	0.5	6	18	31	1.96	< 10	< 1	0.11	< 10	0.30	1330
L6100E 5508	201 202	< 5	0.6	1.98	20	330	0.5	< 2	1.16	0.5	8	26	34	2.33	< 10	< 1	0.08	< 10	0.75	1125
L6100E 6008	201 202	< 5	0.6	1.91	16	260	0.5	< 2	1.54	0.5	7	23	27	2.21	< 10	< 1	0.07	< 10	0.64	745
L6100E 6508	201 202	< 5	0.4	1.13	22	220	< 0.5	< 2	0.59	< 0.5	6	17	16	1.85	< 10	< 1	0.07	< 10	0.37	355
L6100E 7008	201 202	< 5	0.4	1.72	16	180	< 0.5	< 2	1.11	< 0.5	8	21	22	2.04	< 10	< 1	0.07	< 10	0.61	510
L6100E 7508	201 202	< 5	0.2	2.56	20	170	0.5	< 2	1.14	< 0.5	11	24	24	3.23	< 10	< 1	0.23	< 10	1.29	815
ME-97-S-0001	201 202	< 5	< 0.2	1.51	26	160	< 0.5	< 2	0.16	< 0.5	6	31	14	2.97	< 10	< 1	0.08	< 10	0.49	270
ME-97-S-0002	201 202	< 5	1.0	0.96	8	430	< 0.5	< 2	0.27	< 0.5	3	15	18	1.43	< 10	< 1	0.05	< 10	0.17	310
ME-97-S-0003	201 202	< 5	0.6	1.29	24	240	< 0.5	< 2	0.17	< 0.5	5	25	12	2.25	< 10	< 1	0.08	< 10	0.36	205
ME-97-S-0004	201 202	< 5	0.2	1.26	10	100	< 0.5	< 2	0.12	< 0.5	3	21	9	2.39	< 10	< 1	0.06	< 10	0.25	235
ME-97-S-0005	201 202	< 5	< 0.2	1.41	22	150	< 0.5	< 2	0.08	< 0.5	4	23	13	2.30	< 10	< 1	0.06	< 10	0.32	180
ME-97-S-0006	201 202	< 5	< 0.2	1.60	12	180	< 0.5	< 2	0.16	< 0.5	6	28	14	2.23	< 10	< 1	0.04	< 10	0.42	245
ME-97-S-0007	201 202	< 5	< 0.2	1.65	8	110	< 0.5	< 2	0.08	< 0.5	4	27	9	2.42	< 10	< 1	0.04	< 10	0.34	135
ME-97-S-0008	201 202	< 5	0.2	1.18	8	280	< 0.5	< 2	0.36	< 0.5	5	20	10	1.72	< 10	< 1	0.04	< 10	0.34	225
ME-97-S-0009	201 202	< 5	0.4	1.65	12	150	< 0.5	< 2	0.16	< 0.5	4	27	7	2.11	< 10	< 1	0.06	< 10	0.36	150
ME-97-S-0010	201 202	< 5	0.2	1.57	10	170	< 0.5	< 2	0.09	< 0.5	6	25	12	2.02	< 10	< 1	0.05	< 10	0.32	220
ME-97-S-0011	201 202	< 5	0.2	1.65	10	170	< 0.5	< 2	0.13	< 0.5	4	29	9	2.42	< 10	< 1	0.06	< 10	0.40	170
ME-97-S-0012	201 202	< 5	< 0.2	1.55	16	130	< 0.5	< 2	0.13	< 0.5	5	30	15	2.59	< 10	< 1	0.07	< 10	0.47	245
ME-97-S-0013	201 202	< 5	< 0.2	1.16	6	110	< 0.5	< 2	0.13	< 0.5	3	21	10	1.86	< 10	< 1	0.03	< 10	0.29	110
ME-97-S-0014	201 202	< 5	< 0.2	1.45	10	200	< 0.5	< 2	0.31	< 0.5	7	27	13	2.28	< 10	< 1	0.05	< 10	0.48	365
ME-97-S-0015	201 202	< 5	< 0.2	2.27	16	330	0.5	< 2	1.15	< 0.5	8	26	17	2.19	< 10	< 1	0.07	< 10	0.76	430

CERTIFICATION:



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
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 PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

Page Number :1-B
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Project: BLK97-03
 Comments: CC: BLACKSTONE RESOURCES

CERTIFICATE OF ANALYSIS

A9734509

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Tl %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L5700E 350S	201 202	1	0.03	7	400	4	< 2	1	13	0.03	< 10	< 10	25	< 10	28
L5700E 375S	201 202	1	< 0.01	4	120	10	< 2	1	14	0.05	< 10	< 10	43	< 10	26
L5700E 400S	201 202	1	0.01	10	350	10	< 2	1	19	0.05	< 10	< 10	45	< 10	32
L5700E 425S	201 202	4	0.01	20	690	8	< 2	2	22	0.05	< 10	< 10	50	< 10	106
L5700E 450S	201 202	2	0.02	12	360	2	< 2	1	15	0.04	< 10	< 10	38	< 10	60
L5700E 500S	201 202	4	0.01	32	510	16	< 2	2	27	0.04	< 10	< 10	41	< 10	178
L5700E 525S	201 202	4	0.01	42	730	18	< 2	3	38	0.04	< 10	< 10	55	< 10	184
L5700E 550S	201 202	1	0.01	11	340	6	< 2	1	17	0.04	< 10	< 10	33	< 10	60
L5700E 575S	201 202	4	0.01	35	600	22	< 2	3	43	0.04	< 10	< 10	42	< 10	178
L5700E 600S	201 202	3	0.01	27	480	38	< 2	2	37	0.05	< 10	< 10	53	< 10	148
L5700E 625S	201 202	3	0.01	37	550	14	< 2	3	38	0.05	< 10	< 10	39	< 10	166
L5700E 650S	201 202	2	0.03	24	540	10	< 2	3	59	0.06	< 10	< 10	39	< 10	130
L5700E 675S	201 202	2	0.04	22	590	8	< 2	3	81	0.05	< 10	< 10	37	< 10	108
L5700E 700S	201 202	1	0.04	25	580	10	< 2	4	86	0.07	< 10	< 10	47	< 10	136
L5700E 725S	201 202	2	0.05	26	620	24	< 2	4	96	0.06	< 10	< 10	40	< 10	212
L5700E 750S	201 202	1	0.07	24	650	10	< 2	4	101	0.08	< 10	< 10	36	< 10	160
L6100E 350S	201 202	2	0.01	24	560	10	< 2	3	40	0.04	< 10	< 10	37	< 10	94
L6100E 400S	201 202	1	0.02	14	300	8	< 2	1	12	0.04	< 10	< 10	33	< 10	52
L6100E 450S	201 202	2	0.04	26	590	8	< 2	3	42	0.03	< 10	< 10	34	< 10	92
L6100E 500S	201 202	2	0.01	25	840	36	< 2	2	62	0.01	< 10	< 10	43	< 10	176
L6100E 550S	201 202	3	0.03	34	880	28	< 2	3	78	0.06	< 10	< 10	51	< 10	198
L6100E 600S	201 202	1	0.03	27	680	14	< 2	3	81	0.05	< 10	< 10	33	< 10	112
L6100E 650S	201 202	3	0.02	17	650	14	< 2	2	42	0.03	< 10	< 10	33	< 10	90
L6100E 700S	201 202	2	0.03	20	610	8	< 2	3	59	0.05	< 10	< 10	27	< 10	86
L6100E 750S	201 202	1	0.05	19	580	6	< 2	4	56	0.08	< 10	< 10	31	< 10	86
MH-97-S-0001	201 202	2	< 0.01	22	600	18	< 2	3	17	0.05	< 10	< 10	48	< 10	94
MH-97-S-0002	201 202	1	0.04	10	380	10	< 2	1	23	0.04	< 10	< 10	35	< 10	36
MH-97-S-0003	201 202	3	0.01	18	530	12	< 2	1	24	0.04	< 10	< 10	36	< 10	78
MH-97-S-0004	201 202	1	< 0.01	10	650	10	< 2	1	13	0.05	< 10	< 10	55	< 10	72
MH-97-S-0005	201 202	1	< 0.01	14	350	12	< 2	1	13	0.04	< 10	< 10	38	< 10	78
MH-97-S-0006	201 202	1	< 0.01	16	660	10	< 2	1	14	0.04	< 10	< 10	43	< 10	58
MH-97-S-0007	201 202	1	< 0.01	12	310	10	< 2	2	10	0.04	< 10	< 10	44	< 10	46
MH-97-S-0008	201 202	1	0.01	13	550	8	< 2	1	21	0.03	< 10	< 10	35	< 10	60
MH-97-S-0009	201 202	1	< 0.01	12	350	10	< 2	2	14	0.05	< 10	< 10	43	< 10	70
MH-97-S-0010	201 202	1	< 0.01	12	250	12	< 2	2	12	0.04	< 10	< 10	43	< 10	68
MH-97-S-0011	201 202	1	< 0.01	14	410	10	< 2	2	17	0.05	< 10	< 10	47	< 10	58
MH-97-S-0012	201 202	1	< 0.01	19	450	10	< 2	2	13	0.05	< 10	< 10	45	< 10	64
MH-97-S-0013	201 202	1	< 0.01	11	480	8	< 2	1	14	0.02	< 10	< 10	32	< 10	40
MH-97-S-0014	201 202	1	< 0.01	21	700	8	< 2	2	21	0.03	< 10	< 10	34	< 10	74
MH-97-S-0015	201 202	1	0.09	19	670	10	< 2	3	75	0.05	< 10	< 10	32	< 10	92

CERTIFICATION:

Robert Beckler



Chemex Labs Ltd.

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Project : BLK97-03
 Comments: CC: BLACKSTONE RESOURCES

CERTIFICATE OF ANALYSIS A9734509

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	
NH-97-S-0016	201	202	< 5	0.2	3.14	18	350	0.5	< 2	1.78	< 0.5	11	33	29	2.81	< 10	< 1	0.12	10	1.13	660
NH-97-S-0017	201	202	< 5	1.0	2.31	22	740	0.5	< 2	1.23	< 0.5	10	29	56	2.48	< 10	< 1	0.08	< 10	1.56	960
NH-97-S-0018	201	202	< 5	0.4	1.68	16	260	0.5	< 2	2.42	1.0	6	20	32	1.98	< 10	< 1	0.07	< 10	0.60	595
WC-97-S-300	201	202	< 5	0.2	0.69	6	200	< 0.5	< 2	0.71	0.5	3	11	10	0.97	< 10	< 1	0.04	< 10	0.16	165
WC-97-S-301	201	202	< 5	< 0.2	1.41	8	190	< 0.5	< 2	0.17	< 0.5	7	29	20	2.17	< 10	< 1	0.06	10	0.49	235
WC-97-S-302	201	202	< 5	0.6	0.86	8	320	< 0.5	< 2	0.16	< 0.5	3	12	19	1.22	< 10	< 1	0.07	< 10	0.16	95
WC-97-S-303	201	202	< 5	0.4	1.26	46	310	< 0.5	< 2	1.03	1.5	6	22	28	1.64	< 10	< 1	0.06	< 10	0.38	320
WC-97-S-304	201	202	< 5	0.2	0.70	8	250	< 0.5	< 2	0.46	< 0.5	5	9	11	1.02	< 10	< 1	0.03	< 10	0.10	215
WC-97-S-305	201	202	< 5	0.6	1.33	56	450	< 0.5	< 2	1.05	2.5	7	27	36	1.80	< 10	< 1	0.08	10	0.42	315
WC-97-S-306	201	202	< 5	0.4	1.07	34	390	< 0.5	< 2	0.72	1.0	4	20	23	1.27	< 10	< 1	0.10	10	0.31	155
WC-97-S-307	201	202	< 5	0.6	1.05	28	930	< 0.5	< 2	0.47	1.0	7	17	39	2.06	< 10	< 1	0.11	10	0.27	365
WC-97-S-308	201	202	< 5	0.2	0.77	22	1010	< 0.5	< 2	0.26	0.5	6	16	35	1.80	< 10	< 1	0.06	10	0.31	235
WC-97-S-309	201	202	< 5	0.8	0.80	10	430	< 0.5	< 2	0.09	< 0.5	3	13	21	1.29	< 10	< 1	0.06	< 10	0.17	120
WC-97-S-310	201	202	< 5	< 0.2	1.08	20	240	< 0.5	< 2	0.12	< 0.5	4	23	19	2.30	< 10	< 1	0.06	10	0.38	185
WC-97-S-311	201	202	< 5	< 0.2	1.17	24	390	< 0.5	< 2	0.14	< 0.5	7	19	27	1.98	< 10	< 1	0.07	10	0.30	165
WC-97-S-312	201	202	< 5	< 0.2	1.05	20	850	< 0.5	< 2	0.17	0.5	6	19	28	1.89	< 10	< 1	0.07	10	0.29	220
WC-97-S-313	201	202	< 5	0.6	1.31	14	250	< 0.5	< 2	0.41	0.5	10	24	23	1.81	< 10	< 1	0.08	10	0.49	560
WC-97-S-314	201	202	< 5	< 0.2	0.99	6	90	< 0.5	< 2	0.08	< 0.5	2	16	8	1.35	< 10	< 1	0.04	10	0.18	100
WC-97-S-315	201	202	< 5	0.4	1.31	22	320	< 0.5	< 2	0.13	< 0.5	8	30	31	2.23	< 10	< 1	0.08	10	0.46	255
WC-97-S-316	201	202	< 5	0.2	1.25	16	140	< 0.5	< 2	0.23	< 0.5	6	27	17	2.29	< 10	< 1	0.05	10	0.40	205
WC-97-S-317	201	202	< 5	0.2	1.34	18	240	< 0.5	< 2	0.40	< 0.5	8	24	15	1.84	< 10	< 1	0.07	10	0.68	450
WC-97-S-318	201	202	< 5	0.2	1.72	20	260	< 0.5	< 2	0.95	0.5	8	24	21	2.20	< 10	< 1	0.08	10	0.70	780
WC-97-S-319	201	202	< 5	0.2	1.59	14	250	< 0.5	< 2	1.00	0.5	10	23	24	1.95	< 10	< 1	0.07	10	0.63	660
WC-97-S-320	201	202	< 5	< 0.2	1.38	16	150	< 0.5	< 2	0.22	< 0.5	16	24	25	3.14	< 10	< 1	0.04	10	0.43	530
WC-97-S-321	201	202	< 5	< 0.2	1.58	14	170	< 0.5	< 2	0.29	< 0.5	8	25	14	2.10	< 10	< 1	0.05	10	0.60	305
WC-97-S-322	201	202	< 5	0.4	1.98	34	160	0.5	< 2	1.07	< 0.5	10	25	26	2.71	< 10	< 1	0.07	< 10	0.85	660

CERTIFICATION:

[Signature]



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CERTIFICATE OF ANALYSIS

A9734509

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	W ppm	Zn ppm
MC-97-S-0016	201 202	1	0.16	28	670	16	< 2	4	126	0.08	< 10	< 10	46	< 10	124	
MC-97-S-0017	201 202	1	0.04	29	930	86	< 2	4	77	0.08	< 10	< 10	60	< 10	212	
MC-97-S-0018	201 202	1	0.03	24	700	12	< 2	3	99	0.04	< 10	< 10	33	< 10	116	
MC-97-S-300	201 202	1	0.05	8	430	2	< 2	1	27	0.03	< 10	< 10	26	< 10	42	
MC-97-S-301	201 202	< 1 < 0.01	26	560	10	< 2	3	14	0.04	< 10	< 10	37	< 10	86		
MC-97-S-302	201 202	1	0.04	11	340	8	< 2	< 1	20	0.01	< 10	< 10	39	< 10	64	
MC-97-S-303	201 202	1	0.02	28	580	12	< 2	2	44	0.02	< 10	< 10	41	< 10	202	
MC-97-S-304	201 202	< 1	0.06	7	470	2	< 2	< 1	25	0.03	< 10	< 10	29	< 10	36	
MC-97-S-305	201 202	3	0.01	36	750	14	< 2	3	54	0.04	< 10	< 10	51	< 10	460	
MC-97-S-306	201 202	1	0.03	20	630	6	< 2	2	43	0.03	< 10	< 10	39	< 10	196	
MC-97-S-307	201 202	5	0.01	28	780	12	2	3	45	0.01	< 10	< 10	41	< 10	170	
MC-97-S-308	201 202	4 < 0.01	27	840	8	2	2	2	34	0.01	< 10	< 10	34	< 10	174	
MC-97-S-309	201 202	2	0.01	15	420	6	< 2	1	16	0.01	< 10	< 10	33	< 10	76	
MC-97-S-310	201 202	3 < 0.01	21	710	12	< 2	1	18	0.03	< 10	< 10	51	< 10	120		
MC-97-S-311	201 202	3 < 0.01	29	590	10	< 2	2	24	0.02	< 10	< 10	40	< 10	160		
MC-97-S-312	201 202	2 < 0.01	26	590	8	< 2	2	23	0.03	< 10	< 10	39	< 10	120		
MC-97-S-313	201 202	2	0.01	23	630	10	< 2	3	28	0.04	< 10	< 10	47	< 10	124	
MC-97-S-314	201 202	< 1 < 0.01	7	150	10	< 2	1	10	0.06	< 10	< 10	45	< 10	32		
MC-97-S-315	201 202	1 < 0.01	26	410	10	< 2	3	15	0.04	< 10	< 10	47	< 10	78		
MC-97-S-316	201 202	< 1 < 0.01	19	600	10	< 2	1	17	0.03	< 10	< 10	44	< 10	58		
MC-97-S-317	201 202	1	0.01	18	520	8	< 2	3	24	0.05	< 10	< 10	44	< 10	104	
MC-97-S-318	201 202	1	0.03	28	620	20	< 2	3	46	0.06	< 10	< 10	49	< 10	146	
MC-97-S-319	201 202	3	0.03	37	580	14	< 2	3	48	0.05	< 10	< 10	42	< 10	170	
MC-97-S-320	201 202	7 < 0.01	40	660	24	< 2	2	21	0.04	< 10	< 10	48	< 10	314		
MC-97-S-321	201 202	2	0.01	21	410	14	< 2	3	28	0.04	< 10	< 10	48	< 10	100	
MC-97-S-322	201 202	2	0.01	25	680	14	< 2	3	57	0.05	< 10	< 10	42	< 10	102	

CERTIFICATION: *[Signature]*



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CERTIFICATE OF ANALYSIS

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SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L5700E 350S	201 202	< 5	0.2	0.72	12	120	< 0.5	< 2	0.13	< 0.5	1	15	8	0.90	< 10	< 1	0.05	< 10	0.27	70
L5700E 375S	201 202	< 5	< 0.2	0.74	4	80	< 0.5	< 2	0.12	< 0.5	1	11	7	0.91	< 10	< 1	0.03	< 10	0.06	50
L5700E 400S	201 202	< 5	0.2	1.35	8	120	< 0.5	< 2	0.14	< 0.5	3	22	12	1.84	< 10	< 1	0.05	< 10	0.23	95
L5700E 425S	201 202	< 5	0.4	1.13	34	210	< 0.5	< 2	0.21	< 0.5	4	24	20	1.83	< 10	< 1	0.08	< 10	0.52	210
L5700E 450S	201 202	< 5	0.2	0.78	14	170	< 0.5	< 2	0.14	< 0.5	3	19	11	1.06	< 10	< 1	0.06	< 10	0.41	165
L5700E 500S	201 202	< 5	0.6	0.98	24	170	< 0.5	< 2	0.26	< 0.5	5	21	14	1.63	< 10	< 1	0.06	< 10	0.42	500
L5700E 525S	201 202	< 5	0.6	1.30	40	340	< 0.5	< 2	0.35	< 0.5	9	26	28	2.08	< 10	< 1	0.09	< 10	0.58	925
L5700E 550S	201 202	< 5	0.6	0.86	6	120	< 0.5	< 2	0.20	< 0.5	2	20	9	0.96	< 10	< 1	0.05	< 10	0.45	120
L5700E 575S	201 202	< 5	0.6	1.29	18	290	< 0.5	< 2	0.70	0.5	8	21	27	1.82	< 10	< 1	0.06	< 10	0.55	975
L5700E 600S	201 202	< 5	0.2	1.25	18	210	< 0.5	< 2	0.60	< 0.5	8	23	15	2.04	< 10	< 1	0.05	< 10	0.56	660
L5700E 625S	201 202	< 5	0.2	1.39	16	250	< 0.5	< 2	0.66	0.5	9	21	22	1.89	< 10	< 1	0.06	< 10	0.60	580
L5700E 650S	201 202	< 5	0.2	2.23	16	270	0.5	< 2	1.11	< 0.5	8	25	21	2.45	< 10	< 1	0.09	< 10	0.82	665
L5700E 675S	201 202	< 5	0.2	2.19	16	260	0.5	< 2	1.55	< 0.5	7	24	23	2.19	< 10	< 1	0.09	< 10	0.81	530
L5700E 700S	201 202	< 5	0.2	2.56	16	260	0.5	< 2	1.30	< 0.5	9	26	24	2.47	< 10	< 1	0.10	< 10	1.14	565
L5700E 725S	201 202	< 5	0.2	2.29	16	260	0.5	< 2	1.42	0.5	7	24	26	2.24	< 10	< 1	0.13	< 10	0.96	520
L5700E 750S	201 202	< 5	< 0.2	2.65	14	250	0.5	< 2	1.50	< 0.5	9	29	19	2.48	< 10	< 1	0.11	< 10	1.05	535
L6100E 350S	201 202	< 5	0.2	1.36	32	400	< 0.5	< 2	0.73	< 0.5	7	22	22	1.90	< 10	< 1	0.08	< 10	0.41	395
L6100E 400S	201 202	< 5	0.2	1.05	16	220	< 0.5	< 2	0.10	< 0.5	4	18	13	1.51	< 10	< 1	0.05	< 10	0.29	170
L6100E 450S	201 202	< 5	0.6	1.20	20	350	< 0.5	< 2	0.77	< 0.5	8	17	38	1.62	< 10	< 1	0.07	< 10	0.30	535
L6100E 500S	201 202	< 5	0.8	1.19	42	720	< 0.5	< 2	0.80	0.5	6	18	31	1.96	< 10	< 1	0.11	< 10	0.30	1330
L6100E 550S	201 202	< 5	0.6	1.98	20	330	0.5	< 2	1.16	0.5	8	26	34	2.33	< 10	< 1	0.08	< 10	0.75	1125
L6100E 600S	201 202	< 5	0.6	1.91	16	260	0.5	< 2	1.54	0.5	7	23	27	2.21	< 10	< 1	0.07	< 10	0.64	745
L6100E 650S	201 202	< 5	0.4	1.13	22	220	< 0.5	< 2	0.59	< 0.5	6	17	16	1.85	< 10	< 1	0.07	< 10	0.37	355
L6100E 700S	201 202	< 5	0.4	1.72	16	180	< 0.5	< 2	1.11	< 0.5	8	21	22	2.04	< 10	< 1	0.07	< 10	0.61	510
L6100E 750S	201 202	< 5	0.2	2.56	20	170	0.5	< 2	1.14	< 0.5	11	24	24	3.23	< 10	< 1	0.23	< 10	1.29	815
MH-97-S-0001	201 202	< 5	< 0.2	1.51	26	160	< 0.5	< 2	0.16	< 0.5	6	31	14	2.97	< 10	< 1	0.08	< 10	0.49	270
MH-97-S-0002	201 202	< 5	1.0	0.96	8	430	< 0.5	< 2	0.37	< 0.5	3	15	18	1.43	< 10	< 1	0.05	< 10	0.17	310
MH-97-S-0003	201 202	< 5	0.6	1.29	24	240	< 0.5	< 2	0.17	< 0.5	5	25	12	2.25	< 10	< 1	0.08	< 10	0.36	205
MH-97-S-0004	201 202	< 5	0.2	1.26	10	100	< 0.5	< 2	0.12	< 0.5	3	21	9	2.39	< 10	< 1	0.06	< 10	0.25	235
MH-97-S-0005	201 202	< 5	< 0.2	1.41	22	150	< 0.5	< 2	0.08	< 0.5	4	23	13	2.30	< 10	< 1	0.06	< 10	0.32	180
MH-97-S-0006	201 202	< 5	< 0.2	1.60	12	180	< 0.5	< 2	0.16	< 0.5	6	28	14	2.23	< 10	< 1	0.04	< 10	0.42	245
MH-97-S-0007	201 202	< 5	< 0.2	1.65	8	110	< 0.5	< 2	0.08	< 0.5	4	27	9	2.42	< 10	< 1	0.04	< 10	0.34	135
MH-97-S-0008	201 202	< 5	0.2	1.18	8	280	< 0.5	< 2	0.36	< 0.5	5	20	10	1.72	< 10	< 1	0.04	< 10	0.34	225
MH-97-S-0009	201 202	< 5	0.4	1.65	12	150	< 0.5	< 2	0.16	< 0.5	4	27	7	2.11	< 10	< 1	0.06	< 10	0.36	150
MH-97-S-0010	201 202	< 5	0.2	1.57	10	170	< 0.5	< 2	0.09	< 0.5	6	25	12	2.02	< 10	< 1	0.05	< 10	0.32	220
MH-97-S-0011	201 202	< 5	0.2	1.65	10	170	< 0.5	< 2	0.13	< 0.5	4	29	9	2.42	< 10	< 1	0.06	< 10	0.40	170
MH-97-S-0012	201 202	< 5	< 0.2	1.55	16	130	< 0.5	< 2	0.13	< 0.5	5	30	15	2.59	< 10	< 1	0.07	< 10	0.47	245
MH-97-S-0013	201 202	< 5	< 0.2	1.16	6	110	< 0.5	< 2	0.13	< 0.5	3	21	10	1.86	< 10	< 1	0.03	< 10	0.29	110
MH-97-S-0014	201 202	< 5	< 0.2	1.45	10	200	< 0.5	< 2	0.31	< 0.5	7	27	13	2.28	< 10	< 1	0.05	< 10	0.48	365
MH-97-S-0015	201 202	< 5	< 0.2	2.27	16	330	0.5	< 2	1.15	< 0.5	8	26	17	2.19	< 10	< 1	0.07	< 10	0.76	430

CERTIFICATION:



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

Page Number : 1-B
 Total Pages : 2
 Certificate Date: 06-AUG-97
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 P.O. Number :
 Account : EIA

Project: BLK97-03
 Comments: CC: BLACKSTONE RESOURCES

CERTIFICATE OF ANALYSIS

A9734509

SAMPLE	PREP CODE	No ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L5700E 3508	201 202	1 0.03	7	400	4	< 2	1	13	0.03	< 10	< 10	25	< 10	28	
L5700E 3758	201 202	1 < 0.01	4	120	10	< 2	1	14	0.05	< 10	< 10	43	< 10	26	
L5700E 4008	201 202	1 0.01	10	350	10	< 2	1	19	0.05	< 10	< 10	45	< 10	32	
L5700E 4258	201 202	4 0.01	20	690	8	< 2	2	22	0.05	< 10	< 10	50	< 10	106	
L5700E 4508	201 202	2 0.02	12	360	2	< 2	1	15	0.04	< 10	< 10	38	< 10	60	
L5700E 5008	201 202	4 0.01	32	510	16	< 2	2	27	0.04	< 10	< 10	41	< 10	178	
L5700E 5258	201 202	4 0.01	42	730	18	2	3	38	0.04	< 10	< 10	55	< 10	184	
L5700E 5508	201 202	1 0.01	11	340	6	< 2	1	17	0.04	< 10	< 10	33	< 10	60	
L5700E 5758	201 202	4 0.01	35	600	22	2	3	43	0.04	< 10	< 10	42	< 10	178	
L5700E 6008	201 202	3 0.01	27	480	38	< 2	2	37	0.05	< 10	< 10	53	< 10	148	
L5700E 6258	201 202	3 0.01	37	550	14	< 2	3	38	0.05	< 10	< 10	39	< 10	166	
L5700E 6508	201 202	2 0.03	24	540	10	< 2	3	59	0.06	< 10	< 10	39	< 10	130	
L5700E 6758	201 202	2 0.04	22	590	8	< 2	3	81	0.05	< 10	< 10	37	< 10	108	
L5700E 7008	201 202	1 0.04	25	580	10	2	4	86	0.07	< 10	< 10	47	< 10	136	
L5700E 7258	201 202	2 0.05	26	620	24	< 2	4	96	0.06	< 10	< 10	40	< 10	212	
L5700E 7508	201 202	1 0.07	24	650	10	< 2	4	101	0.08	< 10	< 10	36	< 10	160	
L6100E 3508	201 202	2 0.01	24	560	10	< 2	3	40	0.04	< 10	< 10	37	< 10	94	
L6100E 4008	201 202	1 0.02	14	300	8	< 2	1	12	0.04	< 10	< 10	33	< 10	52	
L6100E 4508	201 202	2 0.04	26	590	8	< 2	3	42	0.03	< 10	< 10	34	< 10	92	
L6100E 5008	201 202	2 0.01	25	840	36	2	2	62	0.01	< 10	< 10	43	< 10	176	
L6100E 5508	201 202	3 0.03	34	880	28	2	3	78	0.06	< 10	< 10	51	< 10	198	
L6100E 6008	201 202	1 0.03	27	680	14	< 2	3	81	0.05	< 10	< 10	33	< 10	112	
L6100E 6508	201 202	3 0.02	17	650	14	< 2	2	42	0.03	< 10	< 10	33	< 10	90	
L6100E 7008	201 202	2 0.03	20	610	8	< 2	3	59	0.05	< 10	< 10	27	< 10	86	
L6100E 7508	201 202	1 0.05	19	580	6	2	4	56	0.08	< 10	< 10	31	< 10	86	
MH-97-S-0001	201 202	2 < 0.01	22	600	18	< 2	3	17	0.05	< 10	< 10	48	< 10	94	
MH-97-S-0002	201 202	1 0.04	10	380	10	2	1	23	0.04	< 10	< 10	35	< 10	36	
MH-97-S-0003	201 202	3 0.01	18	530	12	2	1	24	0.04	< 10	< 10	36	< 10	78	
MH-97-S-0004	201 202	1 < 0.01	10	650	10	< 2	1	13	0.05	< 10	< 10	55	< 10	72	
MH-97-S-0005	201 202	1 < 0.01	14	350	12	< 2	1	13	0.04	< 10	< 10	38	< 10	78	
MH-97-S-0006	201 202	1 < 0.01	16	660	10	< 2	1	14	0.04	< 10	< 10	43	< 10	58	
MH-97-S-0007	201 202	1 < 0.01	12	310	10	< 2	2	10	0.04	< 10	< 10	44	< 10	46	
MH-97-S-0008	201 202	1 0.01	13	550	8	< 2	1	21	0.03	< 10	< 10	35	< 10	60	
MH-97-S-0009	201 202	1 < 0.01	12	350	10	< 2	2	14	0.05	< 10	< 10	43	< 10	70	
MH-97-S-0010	201 202	1 < 0.01	12	250	12	< 2	2	12	0.04	< 10	< 10	43	< 10	68	
MH-97-S-0011	201 202	1 < 0.01	14	410	10	< 2	2	17	0.05	< 10	< 10	47	< 10	58	
MH-97-S-0012	201 202	1 < 0.01	19	450	10	< 2	2	13	0.05	< 10	< 10	45	< 10	64	
MH-97-S-0013	201 202	1 < 0.01	11	480	8	< 2	1	14	0.02	< 10	< 10	32	< 10	40	
MH-97-S-0014	201 202	1 < 0.01	21	700	8	< 2	2	21	0.03	< 10	< 10	34	< 10	74	
MH-97-S-0015	201 202	1 0.09	19	670	10	< 2	3	75	0.05	< 10	< 10	32	< 10	92	

CERTIFICATION: *Hans Bichler*



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Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

Project: BLK97-03
 Comments: CC: BLACKSTONE RESOURCES

Page Number : 2-A
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 Certificate Date: 06-AUG-97
 Invoice No.: 19734509
 P.O. Number:
 Account : EIA

CERTIFICATE OF ANALYSIS A9734509

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	
MC-97-S-0016	201	202	< 5	0.3	3.14	18	350	0.5	< 2	1.78	< 0.5	11	33	29	2.81	< 10	< 1	0.12	10	1.13	660
MC-97-S-0017	201	202	< 5	1.0	2.31	22	740	0.5	< 2	1.23	< 0.5	10	29	56	2.48	< 10	< 1	0.08	< 10	1.56	960
MC-97-S-0018	201	202	< 5	0.4	1.68	16	260	0.5	< 2	2.42	1.0	6	20	32	1.98	< 10	< 1	0.07	< 10	0.60	595
MC-97-S-300	201	202	< 5	0.2	0.69	6	200	< 0.5	< 2	0.71	0.5	3	11	10	0.97	< 10	< 1	0.04	< 10	0.16	165
MC-97-S-301	201	202	< 5	< 0.3	1.41	8	190	< 0.5	< 2	0.17	< 0.5	7	29	20	2.17	< 10	< 1	0.06	10	0.49	235
MC-97-S-302	201	202	< 5	0.6	0.86	8	320	< 0.5	< 2	0.16	< 0.5	3	12	19	1.22	< 10	< 1	0.07	< 10	0.16	95
MC-97-S-303	201	202	< 5	0.4	1.26	46	310	< 0.5	< 2	1.03	1.5	6	22	28	1.64	< 10	< 1	0.06	< 10	0.38	320
MC-97-S-304	201	202	< 5	0.2	0.70	8	250	< 0.5	< 2	0.46	< 0.5	5	9	11	1.02	< 10	< 1	0.03	< 10	0.10	215
MC-97-S-305	201	202	< 5	0.6	1.33	56	450	< 0.5	< 2	1.05	2.5	7	27	36	1.80	< 10	< 1	0.08	10	0.42	315
MC-97-S-306	201	202	< 5	0.4	1.07	34	390	< 0.5	< 2	0.72	1.0	4	20	23	1.27	< 10	< 1	0.10	10	0.31	155
MC-97-S-307	201	202	< 5	0.6	1.05	28	930	< 0.5	< 2	0.47	1.0	7	17	39	2.06	< 10	< 1	0.11	10	0.27	365
MC-97-S-308	201	202	< 5	0.2	0.77	22	1010	< 0.5	< 2	0.26	0.5	6	16	35	1.80	< 10	< 1	0.06	10	0.31	235
MC-97-S-309	201	202	< 5	0.8	0.80	10	430	< 0.5	< 2	0.09	< 0.5	3	13	21	1.29	< 10	< 1	0.06	< 10	0.17	120
MC-97-S-310	201	202	< 5	< 0.2	1.08	20	240	< 0.5	< 2	0.12	< 0.5	4	23	19	2.30	< 10	< 1	0.06	10	0.35	185
MC-97-S-311	201	202	< 5	< 0.2	1.17	24	390	< 0.5	< 2	0.14	< 0.5	7	19	27	1.98	< 10	< 1	0.07	10	0.30	165
MC-97-S-312	201	202	< 5	< 0.2	1.05	20	850	< 0.5	< 2	0.17	0.5	6	19	28	1.89	< 10	< 1	0.07	10	0.29	220
MC-97-S-313	201	202	< 5	0.6	1.31	14	250	< 0.5	< 2	0.41	0.5	10	24	23	1.81	< 10	< 1	0.08	10	0.49	560
MC-97-S-314	201	202	< 5	< 0.2	0.99	6	90	< 0.5	< 2	0.08	< 0.5	2	16	8	1.35	< 10	< 1	0.04	10	0.18	100
MC-97-S-315	201	202	< 5	0.4	1.31	22	320	< 0.5	< 2	0.13	< 0.5	8	30	31	2.23	< 10	< 1	0.08	10	0.46	255
MC-97-S-316	201	202	< 5	0.2	1.25	16	140	< 0.5	< 2	0.23	< 0.5	6	27	17	2.29	< 10	< 1	0.05	10	0.40	205
MC-97-S-317	201	202	< 5	0.2	1.34	18	240	< 0.5	< 2	0.40	< 0.5	8	24	15	1.84	< 10	< 1	0.07	10	0.68	450
MC-97-S-318	201	202	< 5	0.2	1.72	20	260	< 0.5	< 2	0.95	0.5	8	24	21	2.20	< 10	< 1	0.08	10	0.70	780
MC-97-S-319	201	202	< 5	0.2	1.59	14	250	< 0.5	< 2	1.00	0.5	10	23	24	1.95	< 10	< 1	0.07	10	0.63	640
MC-97-S-320	201	202	< 5	< 0.2	1.38	16	150	< 0.5	< 2	0.22	< 0.5	16	24	25	3.14	< 10	< 1	0.04	10	0.43	530
MC-97-S-321	201	202	< 5	< 0.2	1.58	14	170	< 0.5	< 2	0.29	< 0.5	8	25	14	2.10	< 10	< 1	0.05	10	0.60	305
MC-97-S-322	201	202	< 5	0.4	1.98	34	180	0.5	< 2	1.07	< 0.5	10	25	26	2.71	< 10	< 1	0.07	< 10	0.85	660

CERTIFICATION: Stuart B. Schleser



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 212 Brooksbank Ave., North Vancouver
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To: EQUITY ENGINEERING LTD.

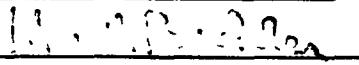
207 - 675 W. HASTINGS ST.
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Page Number :2-B
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CERTIFICATE OF ANALYSIS A9734509

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Tl %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
MC-97-S-0016	201 202	1	0.16	28	670	16	< 2	4	126	0.08	< 10	< 10	46	< 10	124
MC-97-S-0017	201 202	1	0.04	29	930	86	< 2	4	77	0.08	< 10	< 10	60	< 10	212
MC-97-S-0018	201 202	1	0.03	24	700	12	< 2	3	99	0.04	< 10	< 10	33	< 10	116
MC-97-S-300	201 202	1	0.05	8	430	2	< 2	1	27	0.03	< 10	< 10	26	< 10	42
MC-97-S-301	201 202	< 1	< 0.01	26	560	10	< 2	3	14	0.04	< 10	< 10	37	< 10	86
MC-97-S-302	201 202	1	0.04	11	340	8	< 2	< 1	20	0.01	< 10	< 10	39	< 10	64
MC-97-S-303	201 202	1	0.02	28	580	12	< 2	2	44	0.02	< 10	< 10	41	< 10	202
MC-97-S-304	201 202	< 1	0.06	7	470	2	< 2	< 1	25	0.03	< 10	< 10	29	< 10	36
MC-97-S-305	201 202	3	0.01	36	750	14	< 2	3	54	0.04	< 10	< 10	51	< 10	440
MC-97-S-306	201 202	1	0.03	20	630	6	< 2	2	43	0.03	< 10	< 10	39	< 10	196
MC-97-S-307	201 202	5	0.01	28	780	12	2	3	45	0.01	< 10	< 10	41	< 10	170
MC-97-S-308	201 202	4 < 0.01	27	840	8	2	2	2	34	0.01	< 10	< 10	34	< 10	174
MC-97-S-309	201 202	2	0.01	15	420	6	< 2	1	16	0.01	< 10	< 10	33	< 10	76
MC-97-S-310	201 202	3 < 0.01	21	710	12	< 2	1	18	0.03	< 10	< 10	51	< 10	120	
MC-97-S-311	201 202	3 < 0.01	29	590	10	< 2	2	24	0.02	< 10	< 10	40	< 10	160	
MC-97-S-312	201 202	2 < 0.01	26	590	8	< 2	2	23	0.03	< 10	< 10	39	< 10	120	
MC-97-S-313	201 202	2	0.01	23	630	10	< 2	3	28	0.04	< 10	< 10	47	< 10	124
MC-97-S-314	201 202	< 1 < 0.01	7	150	10	< 2	1	10	0.06	< 10	< 10	45	< 10	32	
MC-97-S-315	201 202	1 < 0.01	26	410	10	< 2	3	15	0.04	< 10	< 10	47	< 10	78	
MC-97-S-316	201 202	< 1 < 0.01	19	600	10	< 2	1	17	0.03	< 10	< 10	44	< 10	58	
MC-97-S-317	201 202	1	0.01	18	520	8	< 2	3	24	0.05	< 10	< 10	44	< 10	104
MC-97-S-318	201 202	1	0.03	28	620	20	< 2	3	46	0.06	< 10	< 10	49	< 10	146
MC-97-S-319	201 202	3	0.03	37	580	14	< 2	3	48	0.05	< 10	< 10	42	< 10	170
MC-97-S-320	201 202	7 < 0.01	40	660	24	< 2	2	21	0.04	< 10	< 10	48	< 10	314	
MC-97-S-321	201 202	2	0.01	21	410	14	< 2	3	28	0.04	< 10	< 10	48	< 10	100
MC-97-S-322	201 202	2	0.01	25	680	14	< 2	3	57	0.05	< 10	< 10	42	< 10	102

CERTIFICATION: 

A9734509 - CERTIFIED		CLIENT : EQUITY ENGINEERING LTD		# OF SAMPLES : 66		DATE RECEIVED : 26-JUL-97		PROJECT : BLK97-03 King Claims Soil Survey																									
CERTIFICATE COMMENTS : CC BLACKSTONE RESOURCES																																	
SAMPLE	Au ppb	Ag ppm	Al ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe ppm	Ga ppm	Hg ppm	K ppm	La ppm	Mg ppm	Mn ppm	Mo ppm	Na ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Tl ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm
L5700E 3508	2.5	0.2	0.72	12	120	0.28	1	0.13	0.25	1	15	8	0.0	5	0.5	0.05	5	0.27	70	1	0.03	7	400	4	1	1	13	0.03	5	5	25	5	
L5700E 3758	2.5	0.1	0.74	4	80	0.25	1	0.12	0.25	1	11	7	0.01	5	0.5	0.05	10	0.06	50	1	0.005	4	120	10	1	1	14	0.05	5	5	43	5	
L5700E 4008	2.5	0.2	1.35	6	120	0.25	1	0.14	0.25	3	22	12	1.84	5	0.5	0.05	10	0.23	95	1	0.01	10	350	10	1	1	19	0.05	5	5	45	5	
L5700E 4258	2.5	0.4	1.13	34	210	0.28	1	0.21	0.25	4	24	20	1.83	5	0.5	0.08	10	0.52	210	4	0.01	20	680	8	1	2	22	0.05	5	5	50	5	
L5700E 4508	2.5	0.2	0.78	14	170	0.25	1	0.14	0.25	3	19	11	1.05	5	0.5	0.08	5	0.41	165	2	0.02	12	380	2	1	1	15	0.04	5	5	35	5	
L5700E 5008	2.5	0.6	0.98	24	170	0.25	1	0.26	0.25	5	21	14	1.63	5	0.5	0.08	5	0.42	500	4	0.01	32	510	16	1	2	27	0.04	5	5	41	5	
L5700E 5258	2.5	0.6	1.3	40	340	0.25	1	0.35	0.25	6	28	28	2.03	5	0.5	0.09	10	0.56	925	4	0.01	42	730	16	2	3	36	0.04	5	5	55	5	
L5700E 5508	2.5	0.6	0.66	6	120	0.25	1	0.2	0.25	2	20	9	0.96	5	0.5	0.05	5	0.45	120	1	0.01	11	340	6	1	1	17	0.04	5	5	33	5	
L5700E 5758	2.5	0.6	1.26	18	260	0.25	1	0.7	0.5	6	21	27	1.02	5	0.5	0.08	10	0.65	975	4	0.01	35	600	22	2	3	43	0.04	5	5	42	5	
L5700E 6008	2.5	0.3	1.25	18	210	0.25	1	0.6	0.25	6	23	18	2.04	5	0.5	0.05	5	0.56	660	3	0.01	27	480	36	1	2	37	0.05	5	5	53	5	
L5700E 6258	2.5	0.2	1.39	16	250	0.25	1	0.66	0.5	6	21	22	1.69	5	0.5	0.06	5	0.6	580	3	0.01	37	550	14	1	3	38	0.05	5	5	39	5	
L5700E 6508	2.5	0.2	2.23	16	270	0.5	1	1.11	0.25	8	28	21	2.45	5	0.5	0.09	5	0.82	685	2	0.03	24	540	10	1	3	59	0.06	5	5	39	5	
L5700E 6758	2.5	0.2	2.19	16	260	0.5	1	1.65	0.25	7	24	23	2.10	5	0.5	0.09	5	0.81	590	2	0.04	22	590	6	1	3	61	0.05	5	5	37	5	
L5700E 7008	2.5	0.2	2.56	16	260	0.5	1	1.3	0.25	9	26	24	2.47	5	0.5	0.01	5	1.14	565	1	0.04	25	580	10	2	4	66	0.07	5	5	47	5	
L5700E 7258	2.5	0.2	2.26	16	260	0.5	1	1.42	0.5	7	24	26	2.24	5	0.5	0.13	5	0.96	520	2	0.05	26	620	24	1	4	96	0.06	5	5	40	5	
L5700E 7508	2.5	0.1	2.85	14	250	0.5	1	1.5	0.25	9	29	19	2.48	5	0.5	0.11	5	1.05	535	1	0.07	24	650	10	1	4	101	0.08	5	5	36	5	
L6100E 3308	2.5	0.3	1.36	32	400	0.25	1	0.73	0.25	7	22	22	1.8	5	0.5	0.08	10	0.41	395	3	0.01	24	580	10	1	3	40	0.04	5	5	37	5	
L6100E 4008	2.5	0.2	1.05	16	220	0.25	1	0.1	0.25	4	18	13	1.51	5	0.5	0.05	10	0.20	170	1	0.02	14	300	8	1	1	12	0.04	5	5	33	5	
L6100E 4505	2.5	0.6	1.2	20	350	0.25	1	0.77	0.25	8	17	38	1.62	5	0.5	0.07	5	0.3	535	2	0.04	26	580	8	1	3	42	0.03	5	5	34	5	
L6100E 5005	2.5	0.6	1.19	42	720	0.25	1	0.8	0.5	6	18	31	1.96	5	0.5	0.11	10	0.3	1330	2	0.01	28	540	36	2	2	62	0.01	5	5	43	5	
L6100E 5508	2.5	0.6	1.88	20	330	0.5	1	1.18	0.5	8	26	34	2.33	5	0.6	0.08	10	0.76	1125	3	0.03	34	680	26	2	3	78	0.06	5	5	51	5	
L6100E 5608	2.5	0.6	1.91	16	260	0.5	1	1.64	0.5	7	23	27	2.21	5	0.5	0.07	5	0.64	745	1	0.03	27	680	14	1	3	81	0.05	5	5	33	5	
L6100E 6308	2.5	0.4	1.13	22	220	0.25	1	0.59	0.25	6	17	16	1.85	5	0.5	0.07	5	0.37	355	3	0.02	17	650	14	1	2	42	0.03	5	5	33	5	
L6100E 7008	2.5	0.4	1.72	16	180	0.25	1	1.11	0.25	6	21	22	2.04	5	0.5	0.07	5	0.61	510	2	0.03	20	610	8	1	3	59	0.05	5	5	27	5	
L6100E 7508	2.5	0.2	0.58	20	170	0.5	1	1.14	0.25	11	24	24	3.23	5	0.5	0.23	5	1.28	815	1	0.05	18	580	6	2	4	56	0.08	5	5	31	5	
MH-97-S-0001	2.5	0.1	1.51	26	160	0.25	1	0.16	0.25	6	31	14	2.87	5	0.5	0.06	10	0.48	270	2	0.005	22	600	16	1	3	17	0.05	5	5	48	5	
MH-97-S-0002	2.5	0.1	0.98	8	430	0.25	1	0.37	0.25	3	15	18	1.43	5	0.5	0.05	5	0.17	310	1	0.04	10	380	10	2	1	23	0.04	5	5	35	5	
MH-97-S-0003	2.5	0.6	1.29	24	240	0.25	1	0.17	0.25	5	28	12	2.28	5	0.5	0.08	10	0.36	205	3	0.01	18	530	12	2	1	24	0.04	5	5	38	5	
MH-97-S-0004	2.5	0.2	1.26	10	100	0.25	1	0.12	0.25	3	21	9	2.39	5	0.5	0.05	10	0.25	235	1	0.005	10	650	10	1	1	13	0.05	5	5	55	5	
MH-97-S-0005	2.5	0.1	1.41	22	150	0.25	1	0.08	0.25	4	23	13	2.3	5	0.5	0.06	10	0.32	180	1	0.005	14	350	12	1	1	13	0.04	5	5	36	5	
MH-97-S-0006	2.5	0.1	1.6	12	160	0.25	1	0.16	0.25	6	28	14	2.23	5	0.5	0.04	10	0.42	245	1	0.005	16	680	10	1	1	14	0.04	5	5	43	5	
MH-97-S-0007	2.5	0.1	1.65	8	110	0.25	1	0.08	0.25	4	27	9	2.42	5	0.5	0.04	10	0.34	195	1	0.005	12	310	10	1	2	10	0.04	5	5	44	5	
MH-97-S-0008	2.5	0.2	1.18	8	280	0.25	1	0.36	0.25	5	20	10	1.72	5	0.5	0.04	10	0.34	225	1	0.01	13	550	8	1	1	21	0.03	5	5	35	5	
MH-97-S-0009	2.5	0.4	1.65	12	150	0.25	1	0.16	0.25	4	27	7	2.11	5	0.5	0.06	10	0.36	150	1	0.005	12	350	10	1	2	14	0.05	5	5	43	5	
MH-97-S-0010	2.5	0.2	1.57	10	170	0.25	1	0.09	0.25	6	25	12	2.02	5	0.5	0.05	10	0.38	220	1	0.005	12	260	12	1	2	12	0.04	5	5	43	5	
MH-97-S-0011	2.5	0.3	1.65	10	170	0.25	1	0.13	0.25	4	29	9	2.42	5	0.5	0.06	10	0.4	170	1	0.005	14	410	10	1	2	17	0.05	5	5	47	5	
MH-97-S-0012	2.5	0.1	1.65	16	130	0.25	1	0.13	0.25	5	30	18	2.59	5	0.5	0.07	10	0.47	245	1	0.005	18	450	10	1	2	13	0.05	5	5	45	5	
MH-97-S-0013	2.5	0.1	1.18	6	110	0.25	1	0.13	0.25	3	21	10	1.66	5	0.5	0.03	5	0.29	110	1	0.005	11	480	8	1	1	14	0.02	5	5	32	5	
MH-97-S-0014	2.5	0.1	1.45	10	200	0.25	1	0.31	0.25	7	27	13	2.26	5	0.5	0.05	10	0.48	345	1	0.005	21	700	8	1	2	21	0.03	5	5	34	5	
MH-97-S-0015	2.5	0.1	2.27	16	330	0.5	1	1.15	0.25	6	26	17	2.10	5	0.5	0.07	5	0.76	430	1	0.005	19	670	10	1	3	75	0.05	5	5	32	5	
MH-97-S-0016	2.5	0.2	3.14	18	350	0.5	1	1.78	0.25	11	33	29	2.61	5	0.5	0.12	10	1.13	660	1	0.16	26	670	16	1	4	126	0.08	5	5	45	5	
MH-97-S-0017	2.5	0.1	2.31	22	740	0.5	1	1.28	0.25	10	26	56	2.48	5	0.5	0.06	5	1.56	660	1	0.04	29	630	66	2	4	77	0.08	5	5	60	5	
MH-97-S-0018	2.5	0.4	1.68	16	260	0.5	1	2.42	1	6	20	32	1.98	5	0.5	0.07	5	0.8	595	1	0.03	24	700	12	1	3	99	0.04	5	5	33	5	
MH-97-S-0019	2.5	0.2	0.69	6	200	0.25	1	0.71	0.5	3	11	10	0.97	5	0.5	0.04	5	0.18	185	1	0.05	8	430	2	1	1	27						



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

A9734512

Comments: CC: BLACKSTONE RESOURCES

KALZAS

CERTIFICATE

A9734512

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK97-03
 P.O. #:

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 6-AUG-97.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	70	Dry, sieve to -80 mesh
202	70	save reject
229	70	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	69	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
2118	70	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
2119	70	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	70	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	70	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	70	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	70	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	70	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	70	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	70	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	70	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	70	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	70	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	70	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	70	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	70	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	70	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	70	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	70	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	70	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	70	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	70	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	70	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	70	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	70	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	70	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	70	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	70	Tl %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	70	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	70	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	70	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	70	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	70	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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To: EQUITY ENGINEERING LTD.

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Page Number : 1-A
 Total Pages : 2
 Certificate Date: 05-AUG-97
 Invoice No. : 19734512
 P.O. Number :
 Account : EIA

Project : BLK97-03

Comments: CC: BLACKSTONE RESOURCES

KAL-CAVE AREA

CERTIFICATE OF ANALYSIS

A9734512

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L700E 1000N	201 202	< 5	0.6	1.36	10	460	< 0.5	< 2	1.69	1.0	7	19	17	2.05	< 10	< 1	0.07	10	0.62	5100
L700E 1025N	201 202	not/88	0.2	0.88	2	220	< 0.5	< 2	2.60	2.0	4	13	27	1.19	< 10	< 1	0.07	< 10	0.45	460
L700E 1050N	201 202	< 5	0.4	1.36	10	270	< 0.5	< 2	0.77	1.0	7	23	26	2.10	< 10	< 1	0.11	10	0.64	395
L700E 1075N	201 202	< 5	< 0.2	1.70	14	330	0.5	< 2	0.60	0.5	7	25	28	2.39	< 10	< 1	0.14	20	0.91	510
L700E 1100N	201 202	< 5	0.4	1.51	18	280	0.5	< 2	0.77	2.0	6	22	27	2.52	< 10	< 1	0.19	20	0.88	915
L700E 1125N	201 202	< 5	0.2	1.88	14	290	0.5	< 2	0.56	0.5	7	28	29	2.53	< 10	< 1	0.21	20	1.01	410
L700E 1150N	201 202	5	0.2	1.66	12	330	< 0.5	< 2	0.51	< 0.5	6	25	20	2.26	< 10	< 1	0.12	10	0.80	390
L700E 1175N	201 202	< 5	0.2	1.42	8	370	< 0.5	< 2	0.26	2.0	6	20	33	1.90	< 10	< 1	0.09	10	0.49	380
L700E 1200N	201 202	< 5	0.2	1.34	6	330	< 0.5	< 2	0.45	0.5	10	23	17	2.24	< 10	< 1	0.12	10	0.50	525
L700E 1225N	201 202	< 5	< 0.2	1.47	10	260	< 0.5	< 2	0.32	< 0.5	6	27	19	2.44	< 10	< 1	0.08	10	0.52	250
L700E 1250N	201 202	< 5	0.2	1.27	8	320	< 0.5	< 2	0.39	0.5	6	20	17	1.84	< 10	< 1	0.08	10	0.44	475
L3900E 400N	201 202	< 5	< 0.2	1.99	12	260	< 0.5	< 2	0.15	< 0.5	7	30	26	2.95	< 10	< 1	0.07	10	0.67	190
L3900E 425N	201 202	< 5	< 0.2	2.16	2	260	< 0.5	< 2	0.39	< 0.5	7	28	9	2.19	< 10	< 1	0.05	10	0.42	800
L3900E 450N	201 202	< 5	0.2	1.35	8	210	< 0.5	< 2	0.30	< 0.5	4	24	11	1.70	< 10	< 1	0.06	10	0.39	140
L3900E 475N	201 202	< 5	0.2	0.84	2	130	< 0.5	< 2	0.17	< 0.5	< 1	13	8	0.70	< 10	< 1	0.04	10	0.14	40
L3900E 500N	201 202	< 5	0.2	1.40	10	160	< 0.5	< 2	0.12	< 0.5	4	24	13	2.35	< 10	< 1	0.07	10	0.36	140
L3900E 525N	201 202	< 5	1.8	1.45	< 2	200	0.5	< 2	0.26	0.5	6	10	31	0.98	< 10	< 1	0.03	10	0.10	895
L3900E 550N	201 202	< 5	0.2	1.38	< 2	290	< 0.5	< 2	0.46	0.5	7	23	12	1.47	< 10	< 1	0.06	10	0.45	350
L3900E 575N	201 202	< 5	0.2	1.38	6	260	< 0.5	< 2	0.49	< 0.5	6	23	12	1.97	< 10	< 1	0.06	10	0.46	345
L3900E 600N	201 202	< 5	0.4	1.62	6	290	< 0.5	< 2	0.59	0.5	10	27	14	1.91	< 10	< 1	0.08	10	0.54	750
L3900E 625N	201 202	10	0.4	1.52	4	320	< 0.5	< 2	0.57	0.5	28	24	16	2.08	< 10	< 1	0.05	10	0.51	2720
L3900E 650N	201 202	< 5	0.4	1.45	10	280	< 0.5	< 2	0.67	0.5	18	24	13	2.12	< 10	< 1	0.05	10	0.48	1670
L3900E 675N	201 202	< 5	0.2	1.54	4	290	< 0.5	< 2	0.66	0.5	14	24	16	1.99	< 10	< 1	0.06	10	0.52	880
L3900E 700N	201 202	< 5	0.2	1.26	4	270	< 0.5	< 2	0.94	0.5	13	20	12	1.64	< 10	< 1	0.06	10	0.45	860
L4000E 400N	201 202	< 5	< 0.2	1.55	10	320	< 0.5	< 2	0.27	< 0.5	6	26	13	2.19	< 10	< 1	0.09	10	0.44	200
L4000E 425N	201 202	< 5	< 0.2	1.44	2	230	< 0.5	< 2	0.20	< 0.5	5	24	8	2.00	< 10	< 1	0.05	10	0.35	125
L4000E 450N	201 202	< 5	0.2	1.47	10	130	< 0.5	< 2	0.14	< 0.5	4	23	8	2.16	< 10	< 1	0.05	10	0.29	135
L4000E 475N	201 202	< 5	< 0.2	1.38	4	130	< 0.5	< 2	0.13	< 0.5	3	23	8	2.13	< 10	< 1	0.04	10	0.29	105
L4000E 500N	201 202	< 5	< 0.2	1.39	8	190	< 0.5	< 2	0.13	< 0.5	4	22	8	2.05	< 10	< 1	0.04	10	0.31	145
L4000E 525N	201 202	< 5	< 0.2	1.26	12	70	< 0.5	< 2	1.25	< 0.5	3	11	8	1.84	< 10	< 1	0.04	< 10	0.25	1140
L4000E 575N	201 202	< 5	0.6	1.65	22	290	< 0.5	< 2	0.50	1.5	5	26	10	2.44	< 10	< 1	0.11	10	0.39	1450
L4000E 600N	201 202	< 5	0.2	1.66	18	410	< 0.5	< 2	0.28	1.0	11	26	13	2.84	< 10	< 1	0.05	10	0.36	2180
L4000E 625N	201 202	< 5	< 0.2	1.91	10	260	0.5	< 2	0.82	< 0.5	7	28	11	2.49	< 10	< 1	0.08	10	0.41	730
L4000E 650N	201 202	< 5	0.2	0.68	< 2	110	< 0.5	< 2	1.93	0.5	1	6	15	0.66	< 10	< 1	0.03	< 10	0.06	105
L4000E 675N	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	
L4000E 700N	201 202	< 5	0.2	1.54	20	150	< 0.5	< 2	0.15	1.0	7	24	7	2.28	< 10	< 1	0.08	10	0.30	220
L4100E 400N	201 202	< 5	0.2	1.18	6	230	< 0.5	< 2	0.26	< 0.5	4	19	10	1.85	< 10	< 1	0.10	10	0.37	115
L4100E 425N	201 202	< 5	0.2	1.33	6	310	< 0.5	< 2	0.29	< 0.5	7	22	13	1.87	< 10	< 1	0.10	10	0.48	240
L4100E 450N	201 202	< 5	< 0.2	1.80	12	400	0.5	< 2	0.32	< 0.5	8	27	19	2.40	< 10	< 1	0.12	10	0.60	240
L4100E 475N	201 202	< 5	0.8	2.01	8	620	0.5	< 2	0.30	1.0	9	26	26	2.34	< 10	< 1	0.12	10	0.67	1045

CERTIFICATION:

Hart Buehler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

Page Number : 1-B
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 P.O. Number :
 Account : EIA

Project: BLK97-03
 Comments: CC: BLACKSTONE RESOURCES

CERTIFICATE OF ANALYSIS

A9734512

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L700E 1000N	201 202	7 0.01	24	700	54	< 2	2	66	0.03	< 10	< 10	55	< 10	206	
L700E 1025N	201 202	1 0.01	21	870	34	< 2	1	87	0.02	< 10	< 10	32	< 10	172	
L700E 1050N	201 202	2 < 0.01	29	860	84	2	3	45	0.04	< 10	< 10	57	< 10	228	
L700E 1075N	201 202	3 < 0.01	28	650	84	< 2	3	35	0.04	< 10	< 10	68	< 10	274	
L700E 1100N	201 202	3 0.01	31	900	110	2	3	43	0.03	< 10	< 10	65	< 10	498	
L700E 1125N	201 202	2 < 0.01	32	590	68	2	4	34	0.05	< 10	< 10	73	< 10	256	
L700E 1150N	201 202	3 < 0.01	23	590	52	< 2	3	35	0.04	< 10	< 10	71	< 10	200	
L700E 1175N	201 202	1 0.01	24	500	32	< 2	2	21	0.03	< 10	< 10	52	< 10	202	
L700E 1200N	201 202	3 < 0.01	16	530	48	< 2	2	27	0.04	< 10	< 10	58	< 10	140	
L700E 1225N	201 202	1 < 0.01	23	510	24	< 2	3	24	0.04	< 10	< 10	49	< 10	104	
L700E 1250N	201 202	1 0.01	18	440	30	< 2	1	28	0.04	< 10	< 10	45	< 10	100	
L3900E 400N	201 202	1 < 0.01	24	260	16	< 2	3	15	0.05	< 10	< 10	56	< 10	88	
L3900E 425N	201 202	< 1 < 0.01	18	290	20	< 2	3	25	0.06	< 10	< 10	65	< 10	558	
L3900E 450N	201 202	< 1 < 0.01	14	510	24	< 2	2	21	0.05	< 10	< 10	46	< 10	220	
L3900E 475N	201 202	< 1 < 0.01	4	140	10	< 2	1	14	0.03	< 10	< 10	29	< 10	28	
L3900E 500N	201 202	1 < 0.01	15	230	12	< 2	2	14	0.06	< 10	< 10	72	< 10	64	
L3900E 525N	201 202	< 1 0.04	7	870	22	< 2	< 1	17	0.01	< 10	< 10	19	< 10	32	
L3900E 550N	201 202	3 < 0.01	19	630	8	< 2	2	32	0.04	< 10	< 10	49	< 10	134	
L3900E 575N	201 202	9 < 0.01	17	790	14	< 2	2	33	0.04	< 10	< 10	67	< 10	134	
L3900E 600N	201 202	8 < 0.01	21	750	12	< 2	3	37	0.05	< 10	< 10	65	< 10	172	
L3900E 625N	201 202	14 < 0.01	21	780	16	< 2	2	34	0.03	< 10	< 10	60	< 10	174	
L3900E 650N	201 202	24 < 0.01	20	870	16	< 2	2	38	0.03	< 10	< 10	60	< 10	160	
L3900E 675N	201 202	12 < 0.01	22	850	14	< 2	2	39	0.04	< 10	< 10	60	< 10	176	
L3900E 700N	201 202	17 < 0.01	17	760	10	< 2	2	47	0.04	< 10	< 10	50	< 10	120	
L4000E 400N	201 202	< 1 < 0.01	20	350	10	< 2	3	20	0.05	< 10	< 10	49	< 10	78	
L4000E 425N	201 202	< 1 < 0.01	13	270	10	< 2	2	16	0.05	< 10	< 10	50	< 10	60	
L4000E 450N	201 202	< 1 < 0.01	10	220	12	< 2	1	12	0.05	< 10	< 10	51	< 10	60	
L4000E 475N	201 202	< 1 < 0.01	10	250	12	< 2	1	12	0.04	< 10	< 10	46	< 10	46	
L4000E 500N	201 202	< 1 < 0.01	11	240	18	< 2	1	12	0.04	< 10	< 10	46	< 10	84	
L4000E 525N	201 202	< 1 0.04	10	530	10	< 2	< 1	37	0.03	< 10	< 10	43	< 10	50	
L4000E 575N	201 202	1 < 0.01	23	490	278	2	1	37	0.04	< 10	< 10	66	< 10	908	
L4000E 600N	201 202	< 1 < 0.01	21	320	206	< 2	2	20	0.04	< 10	< 10	61	< 10	804	
L4000E 625N	201 202	< 1 < 0.01	25	280	42	< 2	4	29	0.05	< 10	< 10	67	< 10	152	
L4000E 650N	201 202	< 1 0.04	9	440	2	< 2	< 1	40	0.02	< 10	< 10	19	< 10	28	
L4000E 675N	-- --	NotRcd													
L4000E 700N	201 202	1 < 0.01	19	480	12	< 2	1	23	0.04	< 10	< 10	64	< 10	328	
L4100E 400N	201 202	1 < 0.01	13	290	10	< 2	1	20	0.04	< 10	< 10	43	< 10	60	
L4100E 425N	201 202	< 1 0.01	16	460	10	< 2	2	21	0.04	< 10	< 10	41	< 10	72	
L4100E 450N	201 202	1 < 0.01	22	620	14	< 2	3	25	0.03	< 10	< 10	53	< 10	96	
L4100E 475N	201 202	1 0.01	26	470	14	< 2	3	26	0.04	< 10	< 10	53	< 10	212	

CERTIFICATION: *J.L. S. B. D. B. D. B. D.*



Chemex Labs Ltd.

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 212 Brooksbank Ave., North Vancouver
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

Project : BLK97-03

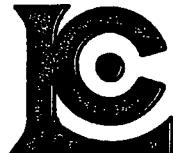
Comments: CC: BLACKSTONE RESOURCES

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 Total Pages :2
 Certificate Date: 05-AUG-97
 Invoice No. :19734512
 P.O. Number :
 Account :EIA

CERTIFICATE OF ANALYSIS A9734512

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L4100E 500N	201 202	< 5 < 0.2	1.38	14	230	< 0.5	< 2	0.22	< 0.5	5	22	8	1.82	< 10	< 1	0.09	10	0.38	155	
L4100E 525N	201 202	< 5 < 0.2	1.09	12	180	< 0.5	< 2	0.17	< 0.5	4	19	6	1.49	< 10	< 1	0.06	10	0.28	120	
L4100E 550N	201 202	< 5 < 0.2	1.43	6	390	< 0.5	< 2	0.27	< 0.5	5	24	9	1.86	< 10	< 1	0.08	10	0.42	270	
L4100E 575N	201 202	< 5 < 0.2	1.67	14	240	< 0.5	< 2	0.15	< 0.5	6	23	19	2.36	< 10	< 1	0.08	10	0.53	110	
L4100E 600N	201 202	< 5 0.4	2.02	32	320	0.5	< 2	0.47	0.5	6	27	8	2.78	< 10	< 1	0.14	10	0.25	1830	
L4100E 625N	201 202	< 5 < 0.2	1.65	18	190	0.5	< 2	0.33	< 0.5	6	29	13	2.34	< 10	< 1	0.15	10	0.38	305	
L4100E 650N	201 202	< 5 < 0.2	1.26	8	180	< 0.5	< 2	0.20	< 0.5	4	22	6	1.99	< 10	< 1	0.08	10	0.29	125	
L4100E 675N	201 202	< 5 < 0.2	1.45	12	360	< 0.5	< 2	0.24	< 0.5	7	25	10	2.13	< 10	< 1	0.09	10	0.38	215	
L4100E 700N	201 202	< 5 0.2	1.27	8	270	< 0.5	< 2	0.31	< 0.5	6	21	11	1.74	< 10	< 1	0.07	10	0.35	210	
L4200E 450N	201 202	< 5 0.2	1.03	2	250	< 0.5	< 2	0.24	< 0.5	3	13	10	1.25	< 10	< 1	0.08	< 10	0.36	80	
L4200E 475N	201 202	< 5 < 0.2	1.41	12	370	< 0.5	< 2	0.46	< 0.5	5	20	15	1.69	< 10	< 1	0.08	10	0.61	180	
L4200E 500N	201 202	< 5 < 0.2	0.60	2	140	< 0.5	< 2	0.15	< 0.5	1	11	4	0.66	< 10	< 1	0.06	10	0.15	45	
L4200E 525N	201 202	< 5 0.2	1.08	8	250	< 0.5	< 2	0.30	< 0.5	3	18	9	1.38	< 10	< 1	0.07	10	0.37	135	
L4200E 550N	201 202	< 5 < 0.2	0.87	< 2	190	< 0.5	< 2	0.17	< 0.5	2	14	6	1.13	< 10	< 1	0.08	10	0.19	85	
L4200E 575N	201 202	< 5 < 0.2	1.16	10	220	< 0.5	< 2	0.15	< 0.5	3	20	6	1.95	< 10	< 1	0.06	10	0.24	140	
L4200E 600N	201 202	< 5 0.2	1.63	6	340	< 0.5	< 2	0.21	< 0.5	5	23	11	1.73	< 10	< 1	0.10	10	0.71	125	
L4200E 625N	201 202	< 5 0.2	1.07	8	190	< 0.5	< 2	0.13	< 0.5	3	16	9	1.36	< 10	< 1	0.07	10	0.40	85	
L4200E 650N	201 202	< 5 0.6	1.25	14	440	< 0.5	< 2	0.37	1.0	12	25	28	2.18	< 10	< 1	0.10	10	0.49	490	
L4200E 675N	201 202	< 5 < 0.2	1.64	16	430	< 0.5	< 2	0.38	< 0.5	10	22	28	2.46	< 10	< 1	0.22	10	0.69	390	
L4200E 700N	201 202	< 5 < 0.2	1.25	6	290	< 0.5	< 2	0.23	< 0.5	7	18	13	1.88	< 10	< 1	0.12	10	0.43	290	
L4200E 725N	201 202	< 5 < 0.2	1.51	12	340	< 0.5	< 2	0.18	< 0.5	8	23	18	2.17	< 10	< 1	0.16	10	0.70	215	
L4200E 750N	201 202	< 5 < 0.2	1.41	8	380	< 0.5	< 2	0.58	< 0.5	6	22	16	1.83	< 10	< 1	0.11	10	0.61	175	
L5550E BL 0	201 202	< 5 < 0.2	1.18	6	360	< 0.5	< 2	0.25	< 0.5	6	21	9	1.85	< 10	< 1	0.07	10	0.34	210	
L5550E 025N	201 202	< 5 < 0.2	1.64	< 2	570	< 0.5	< 2	0.40	< 0.5	7	24	11	2.10	< 10	< 1	0.06	10	0.36	265	
L5550E 050N	201 202	< 5 < 0.2	1.20	8	280	< 0.5	< 2	0.29	< 0.5	7	13	10	2.23	< 10	< 1	0.06	< 10	0.23	350	
L5550E 075N	201 202	< 5 < 0.2	1.73	2	230	0.5	< 2	0.23	< 0.5	8	23	7	2.17	< 10	< 1	0.08	10	0.33	345	
L5550E 100N	201 202	< 5 < 0.2	1.46	12	270	0.5	< 2	0.26	< 0.5	9	28	14	2.33	< 10	< 1	0.11	10	0.36	200	
L5550E 125N	201 202	< 5 < 0.2	2.46	2	320	0.5	< 2	0.28	< 0.5	12	22	10	2.69	< 10	< 1	0.14	10	0.72	450	
L5550E 150N	201 202	< 5 < 0.2	1.58	6	220	< 0.5	< 2	0.26	0.5	7	26	13	2.15	< 10	< 1	0.10	10	0.38	240	
L5550E 175N	201 202	< 5 0.2	1.49	8	370	< 0.5	< 2	0.32	< 0.5	5	24	10	1.60	< 10	< 1	0.08	10	0.50	170	
L5550E 200N	201 202	< 5 0.6	1.69	14	230	< 0.5	< 2	0.35	< 0.5	8	30	17	2.59	< 10	< 1	0.12	10	0.47	215	

CERTIFICATION: _____



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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

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CERTIFICATE OF ANALYSIS A9734512

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L4100E 500N	201 202	1 < 0.01	11	300	12	< 2	2	19	0.06	< 10	< 10	53	< 10	60	
L4100E 525N	201 202	< 1 < 0.01	10	320	12	2	1	17	0.05	< 10	< 10	42	< 10	56	
L4100E 550N	201 202	< 1 < 0.01	13	220	16	< 2	3	23	0.06	< 10	< 10	49	< 10	104	
L4100E 575N	201 202	1 < 0.01	20	160	22	< 2	2	15	0.05	< 10	< 10	55	< 10	92	
L4100E 600N	201 202	1 0.02	20	210	70	2	3	24	0.06	< 10	< 10	80	< 10	752	
L4100E 625N	201 202	1 < 0.01	21	230	50	< 2	3	22	0.06	< 10	< 10	55	< 10	110	
L4100E 650N	201 202	1 < 0.01	11	230	18	< 2	2	17	0.06	< 10	< 10	55	< 10	68	
L4100E 675N	201 202	1 < 0.01	16	250	12	< 2	2	24	0.05	< 10	< 10	54	< 10	86	
L4100E 700N	201 202	< 1 < 0.01	17	350	10	< 2	2	25	0.04	< 10	< 10	50	< 10	82	
L4200E 450N	201 202	1 0.02	9	250	10	< 2	1	17	0.03	< 10	< 10	32	< 10	66	
L4200E 475N	201 202	1 0.01	14	600	14	< 2	2	33	0.04	< 10	< 10	41	< 10	80	
L4200E 500N	201 202	< 1 0.01	5	190	10	< 2	< 1	13	0.03	< 10	< 10	23	< 10	34	
L4200E 525N	201 202	1 0.01	11	480	20	< 2	1	23	0.04	< 10	< 10	40	< 10	74	
L4200E 550N	201 202	< 1 < 0.01	8	250	20	< 2	1	16	0.04	< 10	< 10	36	< 10	48	
L4200E 575N	201 202	1 < 0.01	10	300	22	< 2	1	15	0.04	< 10	< 10	52	< 10	62	
L4200E 600N	201 202	2 0.01	15	290	16	< 2	2	21	0.05	< 10	< 10	68	< 10	118	
L4200E 625N	201 202	2 < 0.01	11	210	16	< 2	1	18	0.05	< 10	< 10	55	< 10	68	
L4200E 650N	201 202	2 < 0.01	26	1000	24	2	3	30	0.04	< 10	< 10	48	< 10	118	
L4200E 675N	201 202	1 0.01	21	650	18	< 2	3	32	0.03	< 10	< 10	44	< 10	118	
L4200E 700N	201 202	1 0.01	15	280	12	< 2	2	18	0.04	< 10	< 10	38	< 10	70	
L4200E 725N	201 202	1 0.01	19	290	28	2	2	21	0.05	< 10	< 10	52	< 10	106	
L4200E 750N	201 202	2 0.01	19	470	16	< 2	3	37	0.04	< 10	< 10	56	< 10	94	
L5550E BL 0	201 202	1 < 0.01	15	350	8	2	2	17	0.04	< 10	< 10	40	< 10	64	
L5550E 025N	201 202	< 1 0.01	17	260	12	< 2	3	24	0.03	< 10	< 10	48	< 10	98	
L5550E 050N	201 202	1 0.02	13	270	10	< 2	1	18	0.02	< 10	< 10	30	< 10	52	
L5550E 075N	201 202	1 0.01	17	200	14	2	2	17	0.05	< 10	< 10	45	< 10	86	
L5550E 100N	201 202	1 < 0.01	20	200	12	< 2	4	19	0.04	< 10	< 10	48	< 10	70	
L5550E 125N	201 202	< 1 0.03	23	510	10	< 2	3	22	0.06	< 10	< 10	27	< 10	150	
L5550E 150N	201 202	1 < 0.01	19	330	86	< 2	3	19	0.05	< 10	< 10	51	< 10	148	
L5550E 175N	201 202	< 1 < 0.01	14	490	20	< 2	3	28	0.05	< 10	< 10	54	< 10	116	
L5550E 200N	201 202	1 < 0.01	21	800	26	< 2	3	32	0.05	< 10	< 10	61	< 10	138	

CERTIFICATION: _____

A9734512 - CERTIFIED																																																			
CLIENT EQUITY ENGINEERING LTD																																																			
# of SAMPLES 71																																																			
PROJECT : BLK97-03 Kal-Cave Area Soils																																																			
CERTIFICATE COMMENTS CC BLACKSTONE RESOURCES																																																			
SAMPLE	Au ppb	Ag ppb	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ge ppm	Hg ppm	K %	La ppm	Mg ppm	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Br ppm	Tl ppm	Tl ppm	U ppm	V ppm	W ppm	Zn ppm																			
DESCRIPTION	FA+AA	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm																												
L700E 1000N	2.5	0.8	1.38	10	450	0.25	1	1.69	1	7	18	2.05	0.5	0.5	0.07	10	0.62	9100	7	0.01	24	700	54	1	2	66	0.03	0.5	0.5	55	0.5	206																			
L700E 1025N	2.5	0.2	0.88	2	220	0.25	1	2.6	2	4	13	1.19	0.5	0.5	0.07	0.5	0.49	460	1	0.01	21	670	34	1	1	87	0.02	0.5	0.5	32	0.5	172																			
L700E 1050N	2.5	0.4	1.38	10	270	0.25	1	0.77	1	7	23	2.6	2.1	0.5	0.5	0.11	10	0.84	395	2	0.005	29	850	54	2	3	45	0.04	0.5	0.5	57	0.5	228																		
L700E 1075N	2.5	0.1	1.7	14	330	0.5	1	0.6	0.5	7	28	2.39	0.5	0.5	0.14	20	0.91	510	3	0.005	28	650	54	1	3	35	0.04	0.5	0.5	68	0.5	274																			
L700E 1100N	2.5	0.4	1.51	18	280	0.5	1	0.77	2	6	22	2.52	0.5	0.5	0.19	20	0.88	918	3	0.01	31	800	110	2	3	43	0.03	0.5	0.5	68	0.5	498																			
L700E 1125N	2.5	0.2	1.88	14	260	0.5	1	0.58	0.5	7	28	2.53	0.5	0.5	0.21	20	1.01	410	2	0.005	32	560	68	2	4	34	0.05	0.5	0.5	73	0.5	266																			
L700E 1150N	2.5	0.2	1.88	12	330	0.25	1	0.81	0.25	6	23	2.26	0.5	0.5	0.12	10	0.8	390	3	0.005	23	550	52	1	3	35	0.04	0.5	0.5	71	0.5	260																			
L700E 1175N	2.5	0.2	1.42	6	370	0.25	1	0.28	2	6	20	3.3	1.9	0.5	0.5	0.09	10	0.49	380	1	0.01	24	500	32	1	2	21	0.03	0.5	0.5	52	0.5	202																		
L700E 1200N	2.5	0.2	1.34	6	330	0.25	1	0.45	0.5	10	23	2.24	0.5	0.5	0.12	10	0.8	325	3	0.005	16	530	46	1	2	27	0.04	0.5	0.5	50	0.5	140																			
L700E 1225N	2.5	0.1	1.47	10	260	0.25	1	0.32	0.25	6	27	19	2.44	0.5	0.5	0.08	10	0.62	250	1	0.005	23	810	24	1	3	24	0.04	0.5	0.5	49	0.5	104																		
L700E 1250N	2.5	0.2	1.27	6	320	0.25	1	0.39	0.5	6	20	1.7	1.84	0.5	0.5	0.08	10	0.44	475	1	0.01	18	440	30	1	1	28	0.04	0.5	0.5	45	0.5	100																		
L3900E 400N	2.5	0.1	1.98	12	260	0.25	1	0.15	0.25	7	30	2.8	2.95	0.5	0.5	0.07	10	0.67	160	1	0.005	24	260	18	1	3	15	0.05	0.5	0.5	68	0.5	88																		
L3900E 425N	2.5	0.1	2.16	2	260	0.25	1	0.39	0.25	7	28	8	2.19	0.5	0.5	0.05	10	0.42	800	0.5	0.005	18	200	20	1	3	25	0.06	0.5	0.5	68	0.5	556																		
L3900E 450N	2.5	0.2	1.35	6	210	0.25	1	0.3	0.25	4	24	11	1.7	0.5	0.5	0.08	10	0.38	140	0.5	0.005	14	510	24	1	2	21	0.05	0.5	0.5	46	0.5	220																		
L3900E 475N	2.5	0.2	0.84	2	130	0.25	1	0.17	0.25	6	13	8	0.7	0.5	0.5	0.04	10	0.14	46	0.5	0.005	4	140	10	1	1	14	0.03	0.5	0.5	29	0.5	26																		
L3900E 500N	2.5	0.2	1.4	10	180	0.25	1	0.12	0.25	4	24	13	2.35	0.5	0.5	0.07	10	0.36	800	1	0.005	15	230	12	1	2	14	0.06	0.5	0.5	72	0.5	64																		
L3900E 525N	2.5	1.8	1.45	1	200	0.5	1	0.28	0.5	6	10	31	0.88	0.5	0.5	0.03	10	0.1	885	0.5	0.04	7	870	22	1	1	17	0.01	0.5	0.5	19	0.5	32																		
L3900E 550N	2.5	0.2	1.38	1	280	0.25	1	0.48	0.5	7	23	12	1.47	0.5	0.5	0.06	10	0.45	350	3	0.005	18	630	8	1	2	32	0.04	0.5	0.5	49	0.5	134																		
L3900E 575N	2.5	0.2	1.38	6	260	0.25	1	0.48	0.25	6	23	12	1.87	0.5	0.5	0.08	10	0.48	345	9	0.005	17	780	14	1	2	33	0.04	0.5	0.5	67	0.5	134																		
L3900E 600N	2.5	0.4	1.62	6	290	0.25	1	0.59	0.5	10	21	14	1.91	0.5	0.5	0.08	10	0.54	750	8	0.005	21	750	12	1	3	37	0.06	0.5	0.5	65	0.5	172																		
L3900E 625N	10	0.4	1.52	4	320	0.25	1	0.57	0.5	20	24	16	2.08	0.5	0.5	0.05	10	0.51	1270	14	0.005	21	780	16	1	2	34	0.03	0.5	0.5	60	0.5	174																		
L3900E 650N	2.5	0.4	1.45	10	280	0.25	1	0.57	0.5	18	24	12	2.12	0.5	0.5	0.05	10	0.48	1670	24	0.005	20	670	16	1	2	38	0.03	0.5	0.5	60	0.5	160																		
L3900E 675N	2.5	0.2	1.54	4	290	0.25	1	0.58	0.5	14	24	16	1.88	0.5	0.5	0.08	10	0.52	880	12	0.005	22	650	14	1	2	39	0.04	0.5	0.5	60	0.5	178																		
L3900E 700N	2.5	0.2	1.28	4	270	0.25	1	0.94	0.5	13	20	12	1.64	0.5	0.5	0.06	10	0.45	860	17	0.005	17	760	10	1	2	47	0.04	0.5	0.5	50	0.5	120																		
L4000E 400N	2.5	0.1	1.55	10	320	0.25	1	0.27	0.25	6	28	13	2.19	0.5	0.5	0.09	10	0.44	200	0.5	0.005	20	350	10	1	3	20	0.05	0.5	0.5	49	0.5	78																		
L4000E 425N	2.5	0.1	1.44	2	230	0.25	1	0.13	0.25	5	24	8	2.0	0.5	0.5	0.05	10	0.35	125	0.5	0.005	13	270	16	1	2	18	0.05	0.5	0.5	60	0.5	60																		
L4000E 450N	2.5	0.2	1.47	10	130	0.25	1	0.14	0.25	4	22	8	2.16	0.5	0.5	0.05	10	0.28	135	0.5	0.005	10	220	12	1	1	12	0.05	0.5	0.5	51	0.5	60																		
L4000E 475N	2.5	0.1	1.38	4	130	0.25	1	0.13	0.25	3	23	8	2.13	0.5	0.5	0.04	10	0.28	105	0.5	0.005	10	250	12	1	1	12	0.04	0.5	0.5	46	0.5	56																		
L4000E 500N	2.5	0.1	1.19	6	310	0.25	1	0.29	0.25	7	22	13	2.44	0.5	0.5	0.12	10	0.8	240	1	0.005	22	220	14	1	1	21	0.04	0.5	0.5	41	0.5	72																		
L4000E 525N	2.5	0.1	1.65	22	290	0.25	1	0.32	0.25	6	27	18	2.4	0.5	0.5	0.12	10	0.8	240	1	0.005	23	230	28	1	1	25	0.03	0.5	0.5	53	0.5	96																		
L4000E 550N	2.5	0.1	1.38	14	230	0.25	1	0.22	0.25	5	22	8	1.82	0.5	0.5	0.09	10	0.38	155	1	0.005	11	300	12	1	2	19	0.06	0.5	0.5	53	0.5	60																		
L4000E 575N	2.5	0.1	1.09	12	180	0.25	1	0.17	0.25	4	19	8	1.49	0.5	0.5	0.06	10	0.28	120	0.5	0.005	10	320	12	1	1	17	0.06	0.5	0.5	42	0.5	56																		
L4000E 590N	2.5	0.1	1.43	6	380	0.25	1	0.27	0.25	5	24	8	1.88	0.5	0.5	0.06	10	0.42	270	0.5	0.005	13	220	16	1	3	23	0.06	0.5	0.5	49	0.5	104																		
L4000E 575N	2.5	0.1	1.57	14	240	0.25	1	0.15	0.25	5	23	8	1.88	0.5	0.5</																																				

APPENDIX G

LEAD ISOTOPE ANALYSES

Lead Isotope Analysis Samples - Dromedary Project

Sample	Location	Description
263143	DDH FRN96-02, 146.4 m depth	massive sulphide, 30% pyrite, 15% pyrrhotite, 10% sphalerite, 3% galena, fine grained, banded.
2702	Kal Trenches	quartzite, with galena and specularite in laminae, minor quartz veinlets cross-cut foliation.
230772	Tom Showing	siltstone, well foliated, 2-3% galena, 1% pyrite, 1-2% sphalerite, in cross-cutting veinlets and along foliation.

Galena Lead Isotope Analyses from Samples submitted by Equity Engineering Ltd.

Janet E. Gabites, Geochronology Laboratory, U.B.C.

Six galena samples were analysed for lead isotopic composition. The data are plotted on a $^{207}\text{Pb}/^{204}\text{Pb}$ v. $^{206}\text{Pb}/^{204}\text{Pb}$ diagram in Figure 1 and $^{208}\text{Pb}/^{206}\text{Pb}$ v. $^{207}\text{Pb}/^{206}\text{Pb}$ diagram in Figure 2, and complete analytical data are given in Table 1.. The shale curve has been plotted in the figures to provide a reference. This curve was calculated from data from sediment-hosted stratiform deposits in the miogeocline of the Canadian Cordillera, and thus provides a reference curve for continental and upper crustal environments in this broad region (Godwin *et al.*, 1988). Isotopic studies of stratiform base metal occurrences in the Yukon-Tanana Terrane (Mortenson, unpublished data) indicate that the shale curve also closely approximates the isotopic evolution of lead in this terrane. Two samples were analysed in duplicate.

Three samples collected from the Dromedary deposit in the Selwyn Basin plot near the shale curve (Figure 1), which implies that the mineralization that they were collected from is of upper crustal origin. These data support an early to mid Paleozoic age of formation for the mineralization. Previously analysed samples collected from Dromedary and nearby showings have also been plotted in the figures for comparison. These samples were not well located, and may be of dubious quality; however, the new analyses compare well with the main cluster. The new analyses from Dromedary are somewhat less radiogenic than those from most Devon-Mississippian SEDEX-type occurrences in the Selwyn Basin, such as Tom or Jason, and are more similar to lead isotopic compositions from the Howards Pass deposit. This may suggest that the host rocks are Ordovician to Silurian Road River Formation. Other galena samples from the Dromedary give much more radiogenic compositions and probably represent younger and unrelated mineralization.

One sample from Argus has been analysed. Two other samples from the Finlayson Lake area plot above the shale curve, and form an array with Argus that intersects the curve around 350 Ma. Two previous analyses from Hoo also plot above the shale curve and lie along this line. All these data are consistent with an age of mineralization of about 350Ma (early Mississippian) with metals derived from several different reservoirs. All the analyses cluster together in Figure 2, suggesting that the spread in $^{207}\text{Pb}/^{204}\text{Pb}$ v. $^{206}\text{Pb}/^{204}\text{Pb}$ space is due to variability in ^{204}Pb .

Analytical Techniques

Small clean cubes of galena were handpicked, washed, and dissolved in dilute hydrochloric acid. Approximately 10-25ng of the lead in chloride form was loaded on a rhenium filament and isotopic compositions were determined using a modified VG54R thermal ionization mass spectrometer. The measured ratios were corrected for instrumental mass fractionation of 0.12% per mass unit based on repeated measurements of the N.B.S. SRM 981 Standard Isotopic Reference Material. Errors reported in Table 1 were obtained by propagating all mass fractionation and analytical errors through the calculation.

References

- Godwin, C.J., Gabites, J.E., and Andrew, A. 1988. LEADTABLE: A galena lead isotope database for the Canadian Cordillera. *B.C. Geological Survey Branch Paper* 1988-4. 188p.
Godwin, C.J. and Sinclair, A.J., 1982. Average lead isotope growth curves for shale-hosted zinc-lead deposits, Canadian Cordillera. *Economic Geology*, Volume 7, pages 675-690.

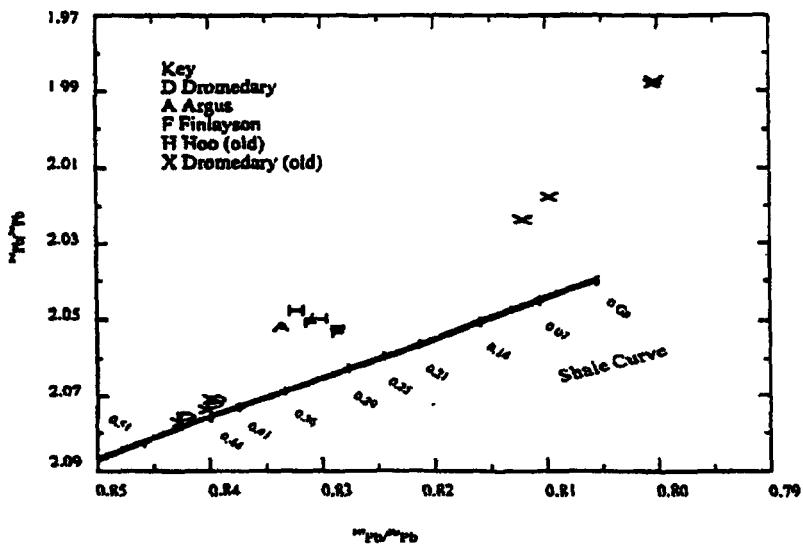
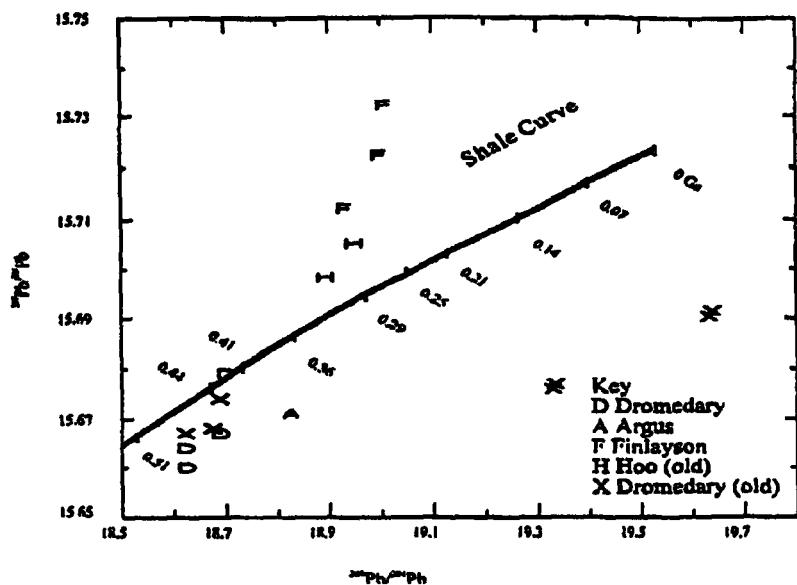
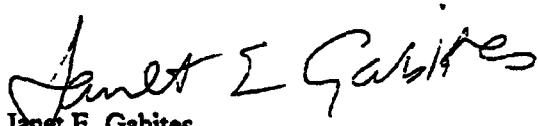


Figure 1. $^{207}\text{Pb}/^{204}\text{Pb}$ v. $^{206}\text{Pb}/^{204}\text{Pb}$ plot of lead isotope analyses of samples.
Shale curve of Godwin and Sinclair (1982) for reference.
"Old" analyses are from Godwin *et al.* (1989).

Figure 2. $^{208}\text{Pb}/^{206}\text{Pb}$ v. $^{207}\text{Pb}/^{206}\text{Pb}$ plot of lead isotope analyses of samples.
Shale curve of Godwin and Sinclair (1982) for reference.
"Old" analyses are from Godwin *et al.* (1989).

Table 1. Galena Lead Isotope Data.

Sample Number	Deposit	$^{206}\text{Pb}/^{204}\text{Pb}$	Error %	$^{207}\text{Pb}/^{204}\text{Pb}$	Error %	$^{208}\text{Pb}/^{204}\text{Pb}$	Error %	$^{207}\text{Pb}/^{206}\text{Pb}$	Error %	$^{208}\text{Pb}/^{206}\text{Pb}$	Error %
263143	Dromedary	18.607	0.002	15.664	0.002	38.604	0.003	0.8417	0.002	2.0755	0.002
2702	Dromedary	18.608	0.002	15.660	0.002	38.622	0.005	0.8416	0.001	2.0756	0.005
230772	Dromedary	18.674	0.005	15.667	0.005	38.673	0.005	0.8389	0.002	2.0709	0.002
230772	Dromedary	18.683	0.005	15.679	0.005	38.716	0.005	0.8391	0.001	2.0721	0.002
10903	Argus	18.811	0.027	15.671	0.027	38.593	0.027	0.8331	0.005	2.0516	0.004
230775	Finlayson	18.984	0.021	15.722	0.016	38.965	0.025	0.8282	0.015	2.0526	0.014
230775	Finlayson	18.994	0.057	15.732	0.056	38.996	0.057	0.8282	0.007	2.0531	0.007
230782	Finlayson	18.916	0.005	15.712	0.005	38.789	0.005	0.8306	0.001	2.0506	0.001


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APPENDIX H

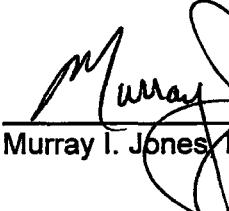
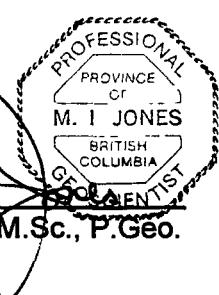
GEOLOGIST'S CERTIFICATE

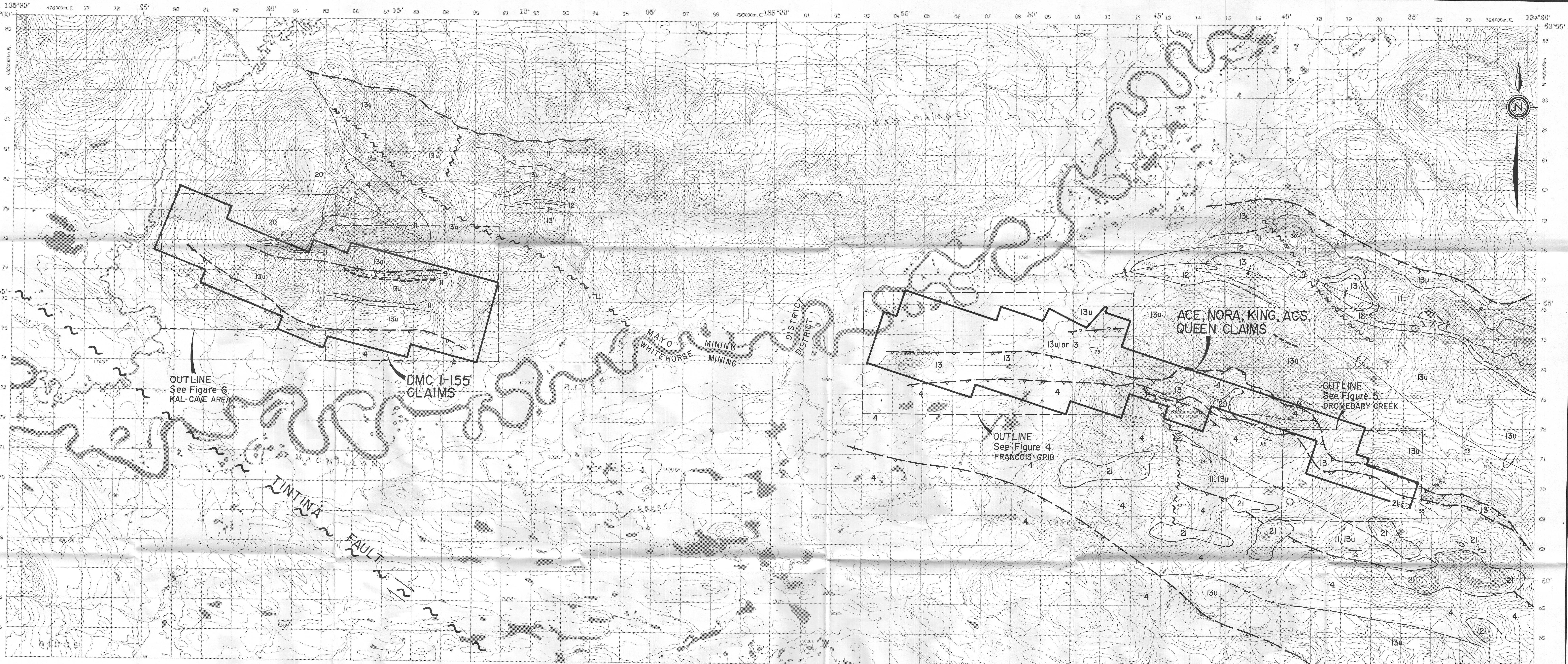
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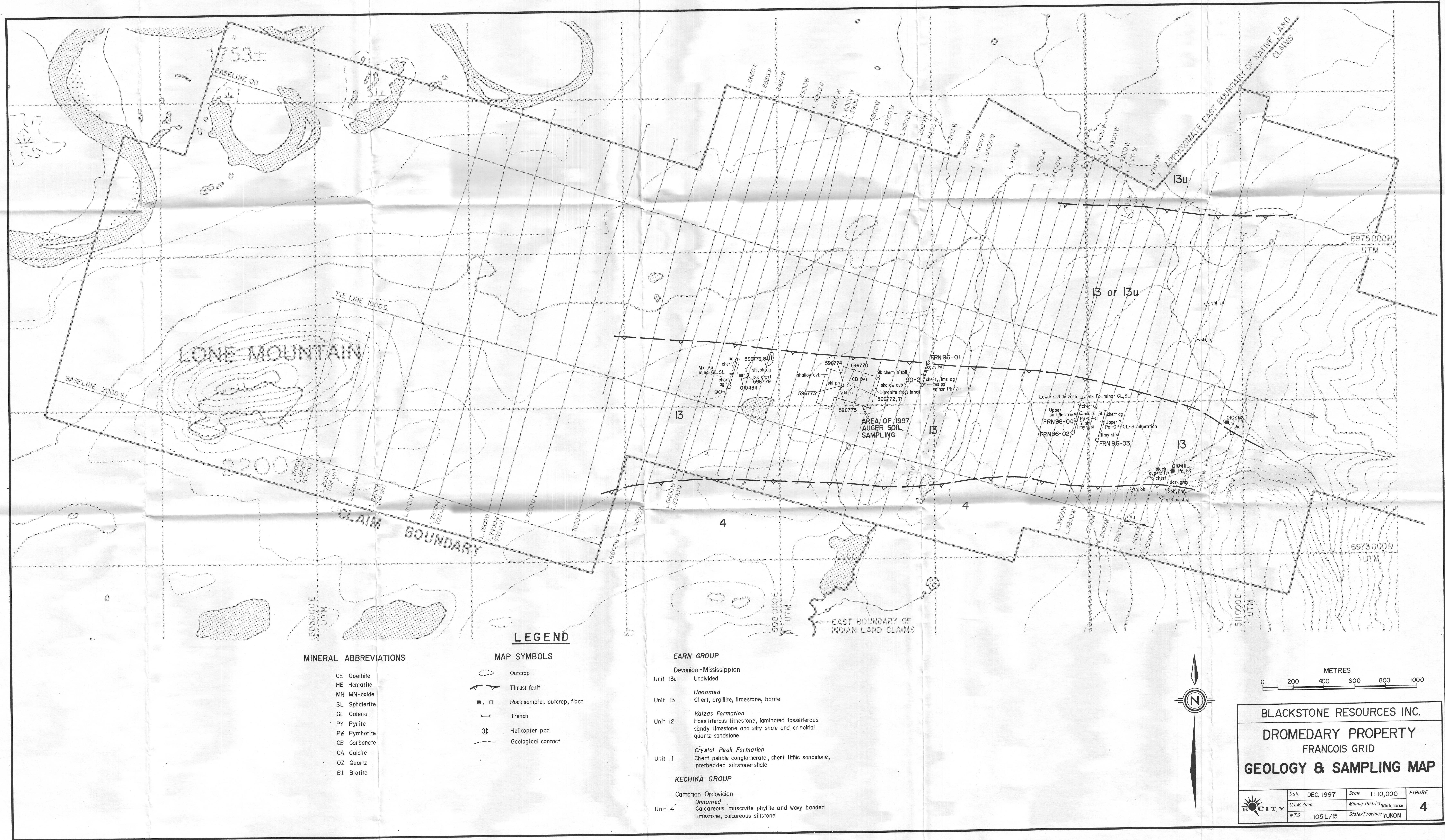
I, Murray I. Jones of 8606 144A St., Surrey, in the Province of British Columbia, DO HEREBY CERTIFY:

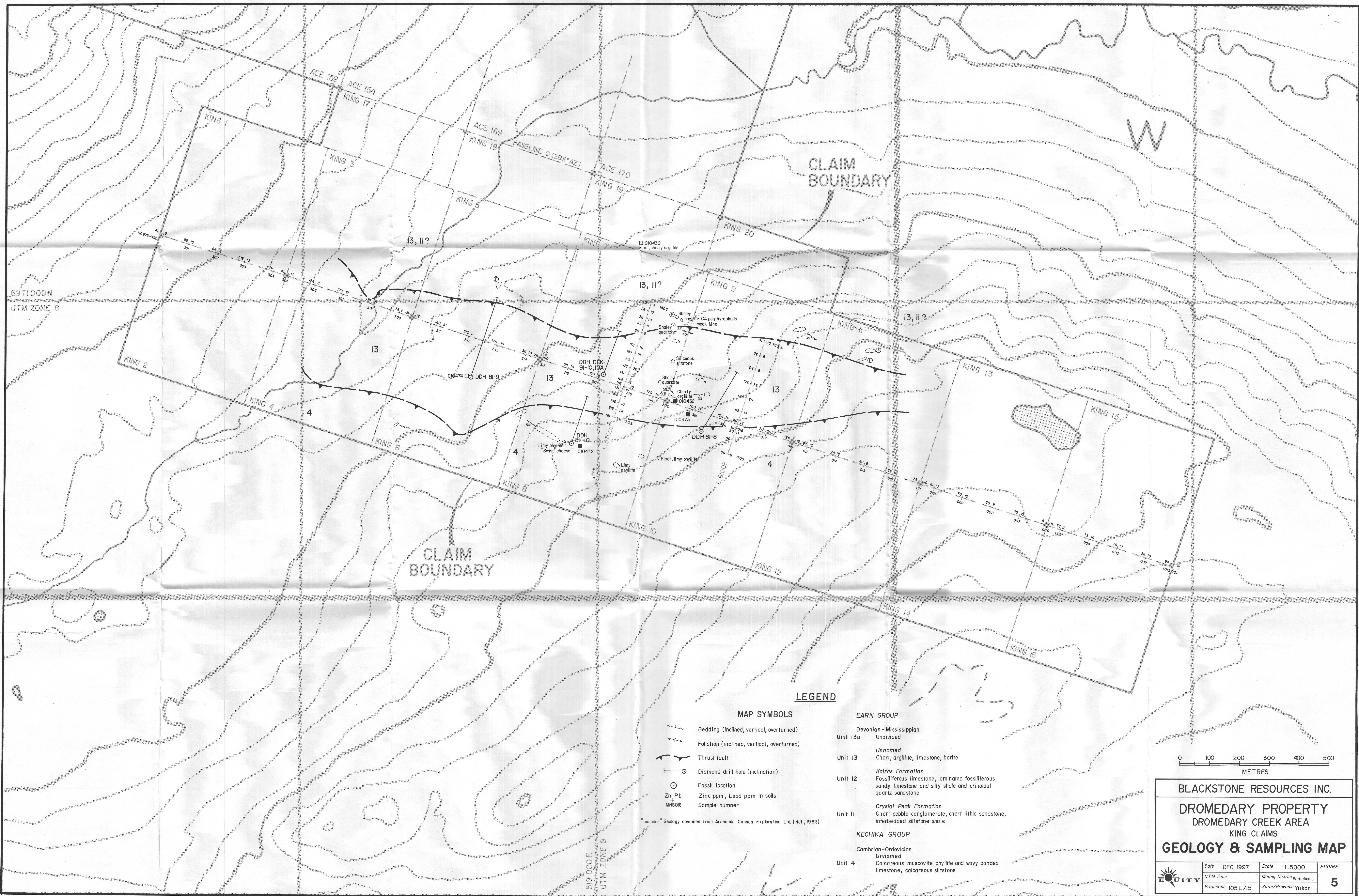
1. THAT I am a Consulting Geologist with offices at Suite 207, 675 West Hastings Street, Vancouver, British Columbia.
2. THAT I am a graduate of the University of British Columbia with a Bachelor of Science Honours degree in Geology (1982) and the University of Ottawa with a Master's of Science degree in Geology (1992).
3. THAT I am a Professional Geoscientist registered in good standing with the Association of Professional Engineers and Geoscientists of the Province of British Columbia (No. 20063).
4. THAT this report is based on property work I conducted and/or supervised during June and July, 1997, as well as government publications and assessment reports filed with the Yukon Territory.


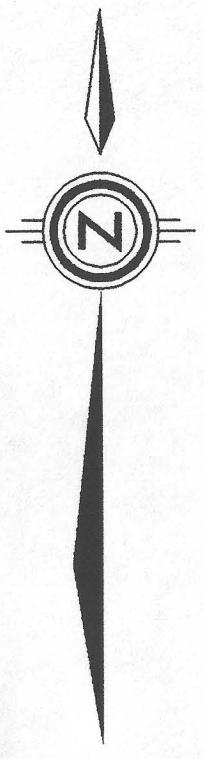
DATED at Vancouver, British Columbia, this 3/st day of December, 1997.



Murray I. Jones, M.Sc., P.Geo.









BLACKSTONE RESOURCES INC.
DROMEDARY PROPERTY
DMC CLAIMS - WEST SHEET
GEOLGY AND
COMPILEATION MAP

Scale: 1:5000 Date: December, 1997
Elevation: 1051 m UTM Zone: 14
WGS 1984 State: Yukon Territory
Author: Andy Linton, MSc
Editor: Mayo

