Blackstone Resources Inc.

093755

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-

BLACKSTONE RESOURCES INC.
501-675 West Hastings Street
Vancouver, B.C., Canada
V6B 1N2

-prepared by-

Murray I. Jones, M.Sc., P.Geo.
EQUITY ENGINEERING LTD.
207-675 West Hastings Street,
Vancouver, B.C., Canada
V6B 1N2

December 1997

This report has been examined by
the Geologic [illegible]on Unit
under Section [illegible] Yukon Quartz
Mining Act and is [illegible]s
representation work in the amount
of $ 66,300.00.

M. Burk

for Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

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 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..

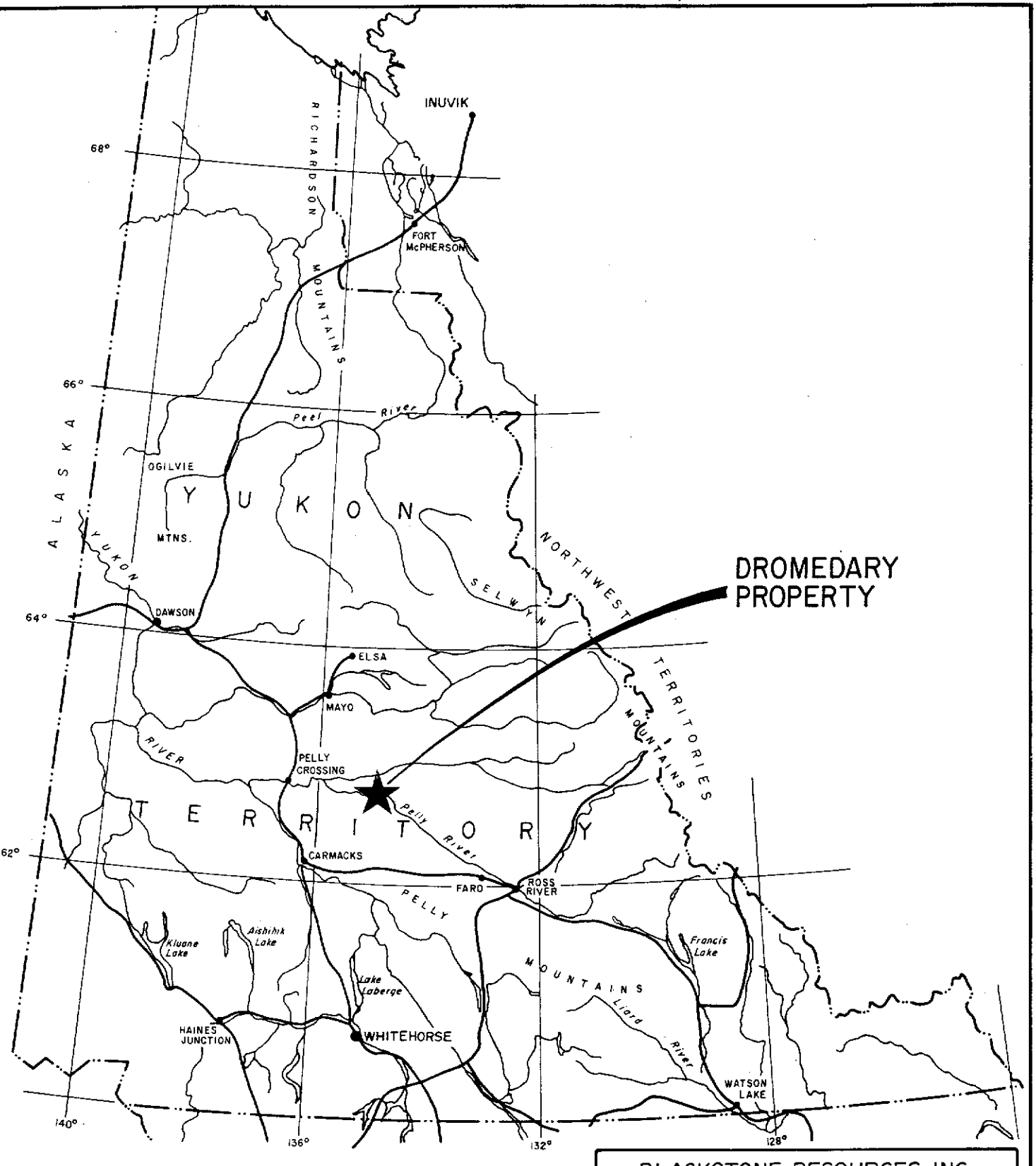
In June and July of 1997, Blackstone Resources Inc. conducted an exploration program emphasizing geophysical surveys, geological mapping, and rock and soil sampling. This work was completed by Equity Engineering Ltd. for Blackstone Resources Inc.. Equity has also been retained to report on the results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

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

DWG ①

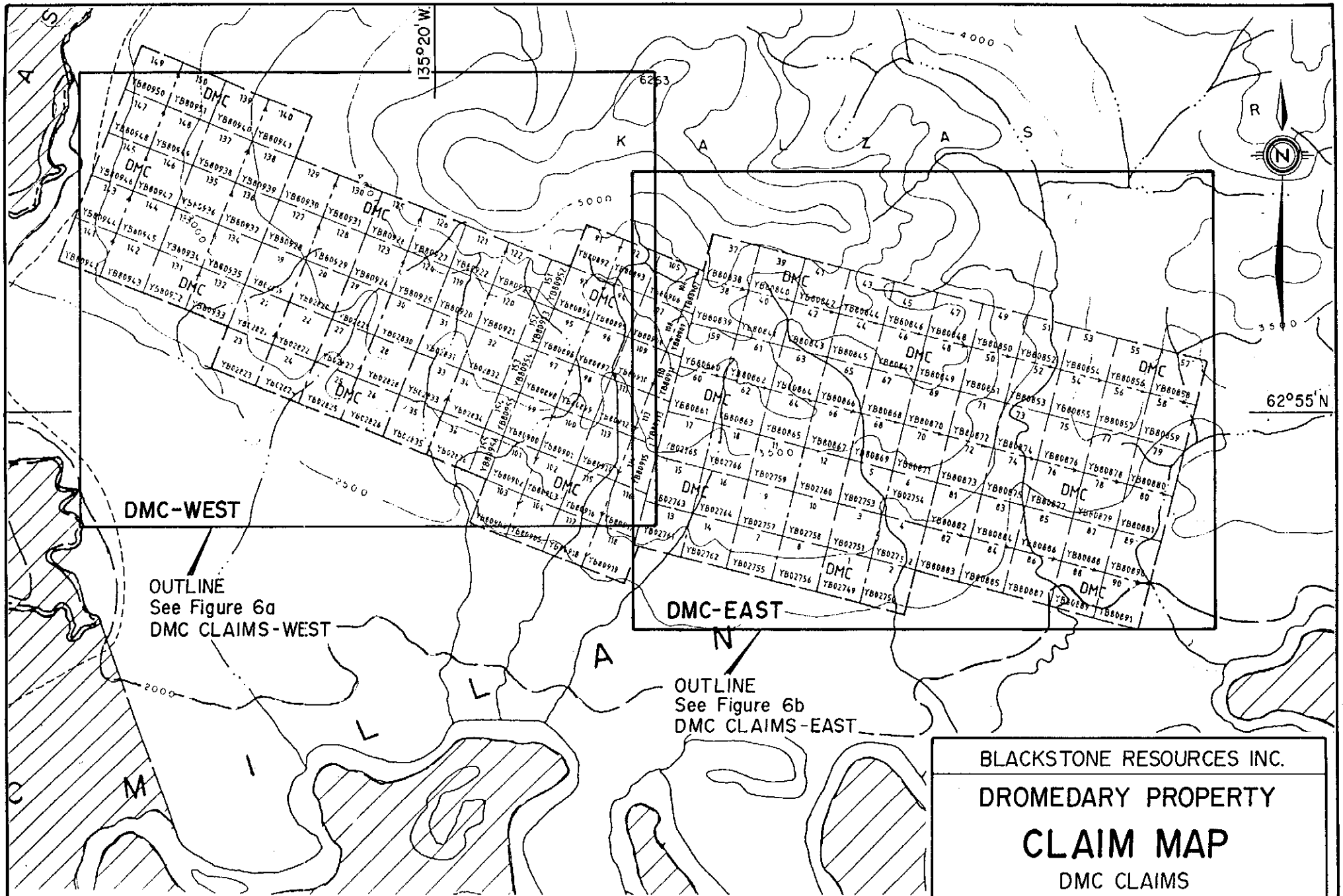
BLACKSTONE RESOURCES INC.

DROMEDARY PROPERTY

CLAIM MAP

ACS, NORA, QUEEN, KING CLAIMS

EQUITY	Date DEC. 1997	Scale 1:50,000	Figure
	U.T.M. Zone	Mining Dist. MAYO	2a
	N.T.S. 105L/15	State/Prov. YUKON	



BLACKSTONE RESOURCES INC.

DROMEDARY PROPERTY

CLAIM MAP

DMC CLAIMS

EQUITY	Date DEC. 1997	Scale 1: 50,000	Figure 2b
	U.T.M. Zone	Mining Dist. MAYO	
	N.T.S. 105L/14	State/Prov. YUKON	

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 Francois 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 Devono-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 overly 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 shaley 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 shaley 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 pyrhhotite-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 Earn 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 shaley 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 Earn 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 caan be found at the back of Appendix F.

8.1 King Claims

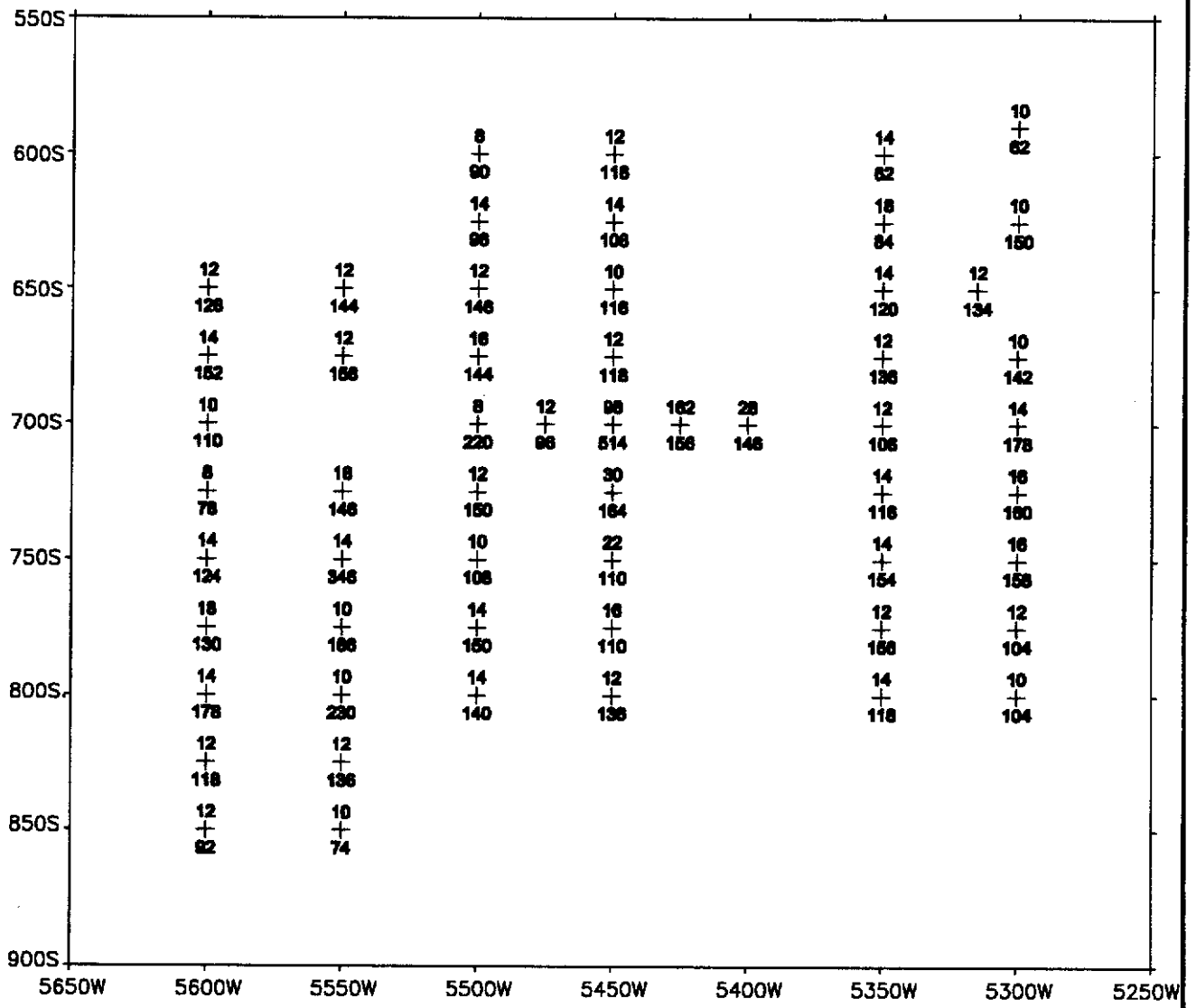
A total of 66 soil samples were taken, both along the central claim line to the King 1-16 claim block and along two lines designed to cross the prospective stratigraphy at right angles. Samples were taken at 100 metre intervals along the claim line, as well as at each claim post location and were dug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

EQUITY	Date: DEC 1997	Scale: 1:2500	Figure: 7
	U.T.M. Zone:	Mining District: Mayo	
	N.T.S.: 105L/14	Province/Territory: Yukon Territory	

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.

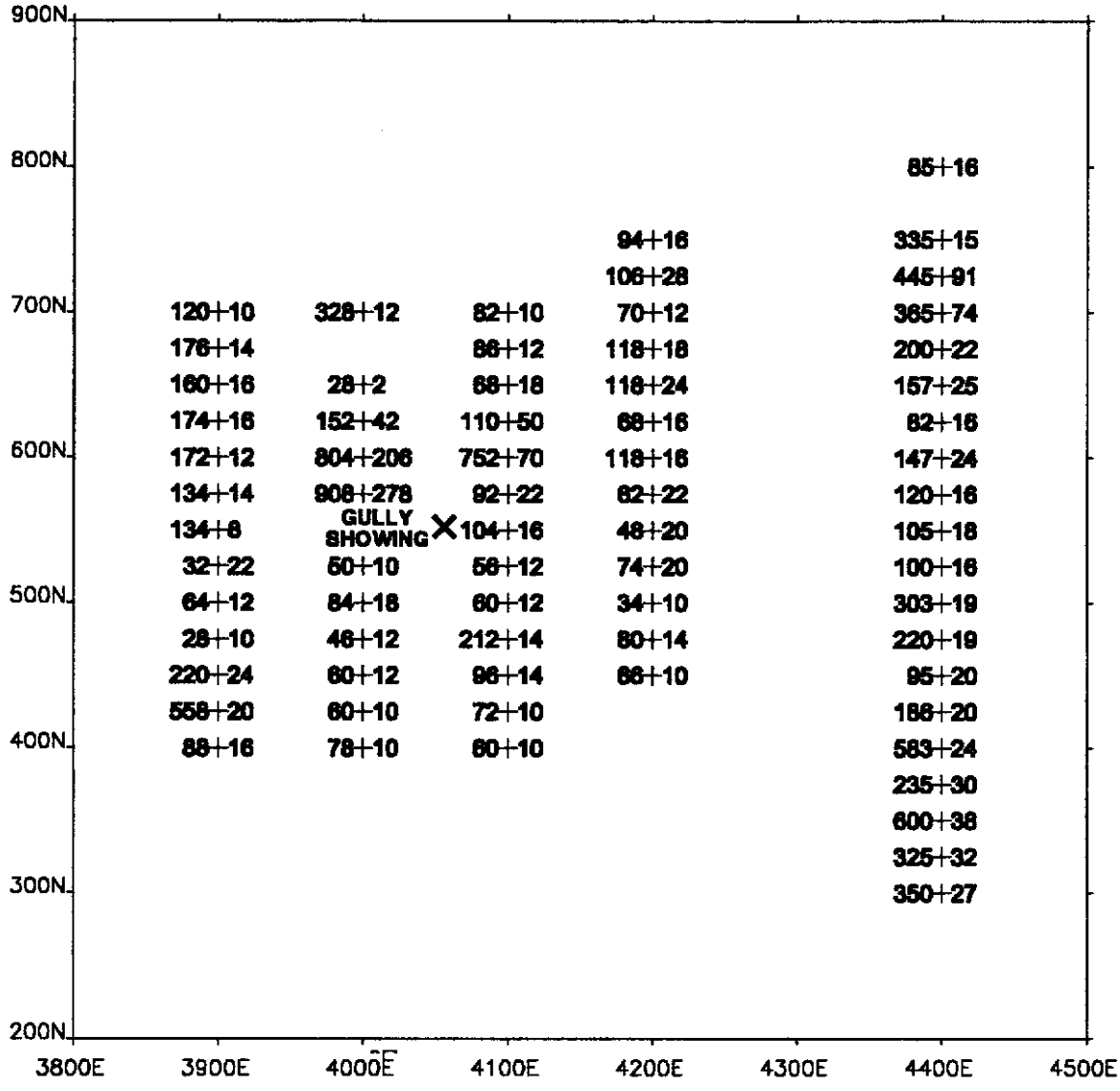
Line 5550E

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)

0 50 100 200
metres

BLACKSTONE RESOURCES INC.

DROMEDARY PROPERTY

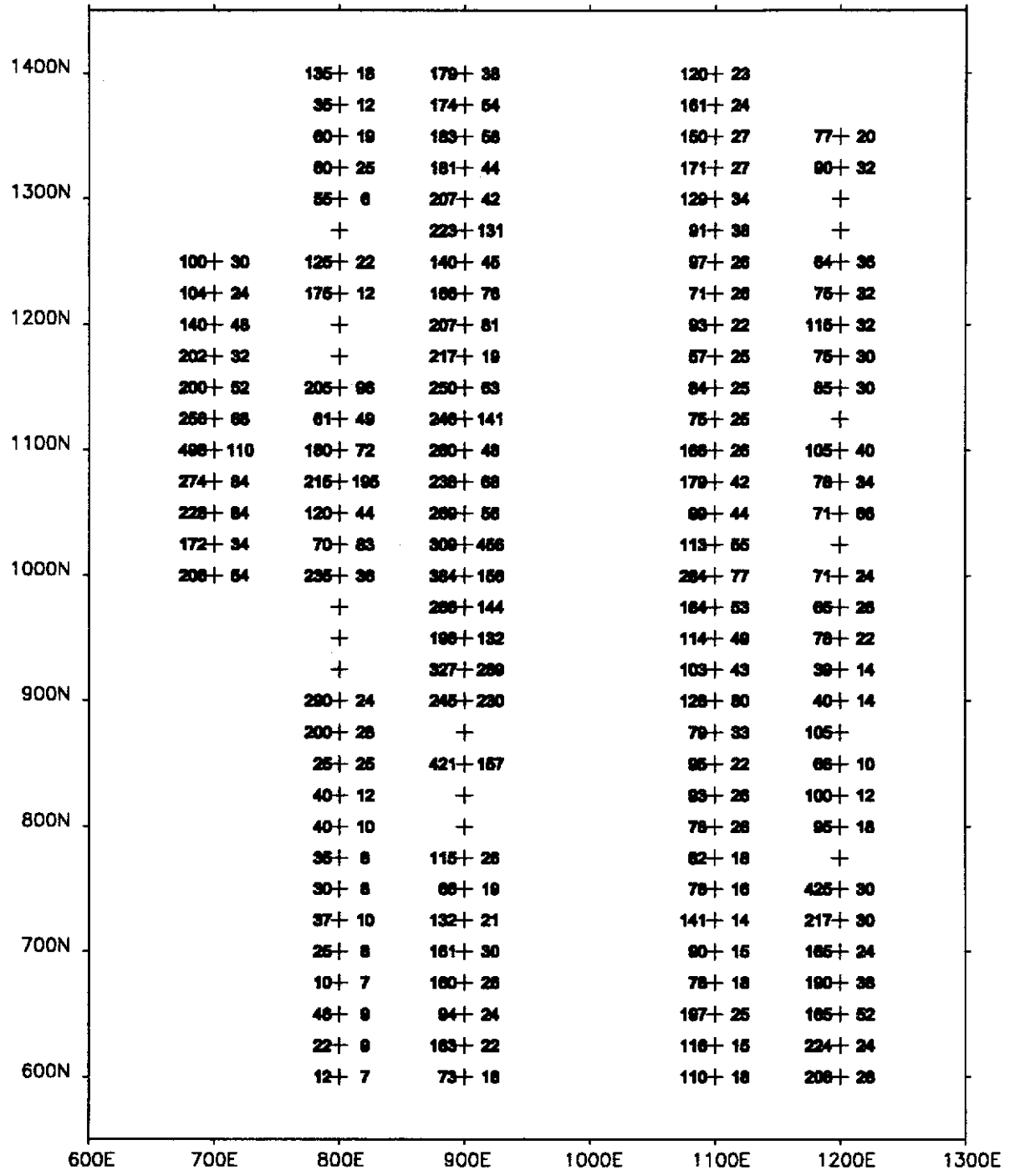
DMC CLAIMS
GULLY GRID
SOIL SAMPLES

EQUITY

DEC 1997 | 1:5000

105L/14 | Mayo | Yukon Territory

8a



Zn in ppm + Pb in ppm

Only samples on L700E taken in 1997.

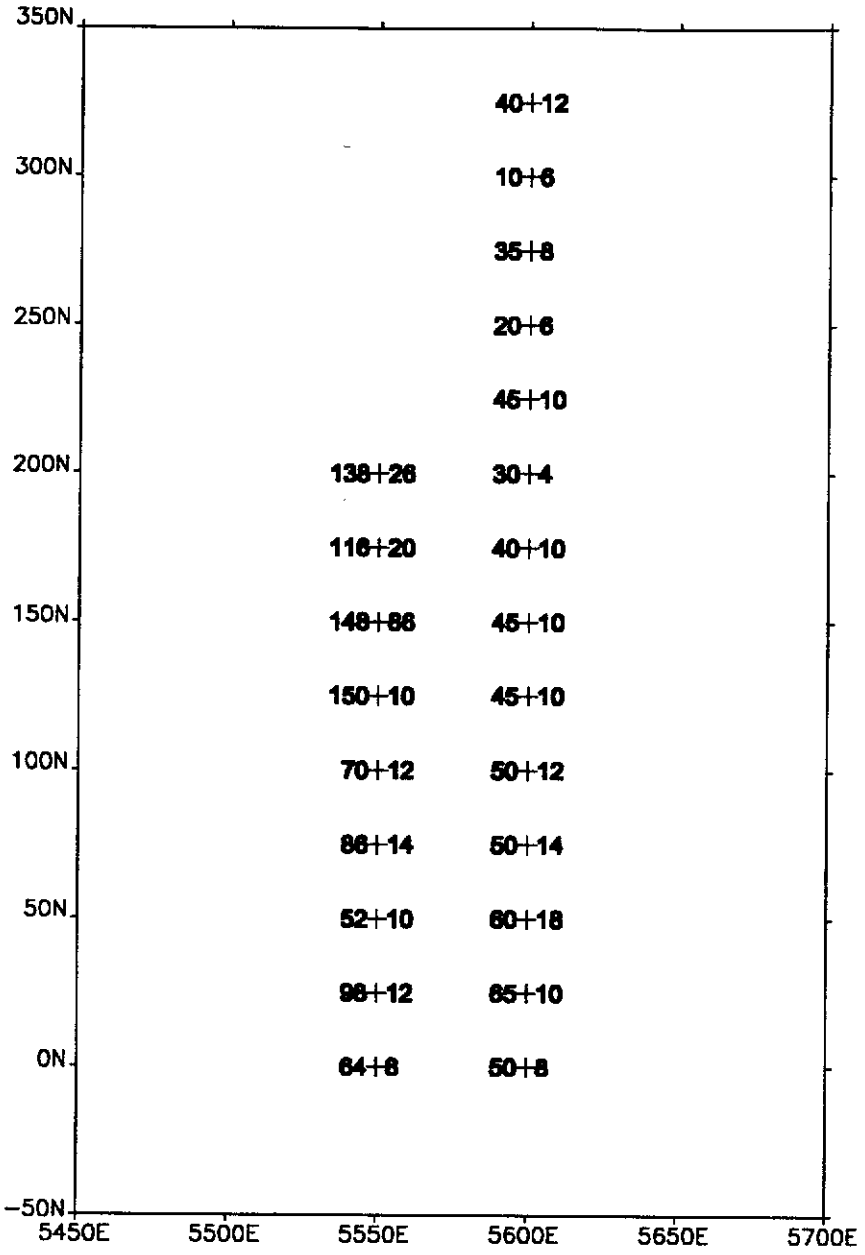
Other lines included for reference.

0 50 100 200
metres

BLACKSTONE RESOURCES INC.

DROMEDARY PROPERTY
DMC CLAIMS
L700E AREA
SOIL SAMPLES

	Date: DEC 1997	Scale: 1:5000	Figure: 8b
	UTM Zone:	Mining District: Mayo	
	NTS: 105L/14	Province: Yukon Territory	



Zn in ppm + Pb in ppm

Samples on Line 5500E taken in 1997

Samples on Line 5600E are from 1996 (Anaconda)

0 25 50 100
metres

BLACKSTONE RESOURCES INC.

DROMEDARY PROPERTY

DMC CLAIMS
L5500E AREA
SOIL SAMPLES

	Date: DEC 1997	Scale: 1:2500	Figure: 8c
	UTM Zone:	Mining District: Mayo	
	NTS: 105L/14	Province: 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 Earn 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	
Tim Sullivan, Prospector			
4 days @ $275/day		1,100	
Matt Henry, Senior Sampler			
4 days @ $275/day		1,100	
Warren Cole, Junior Sampler			
7 days @ $225/day		1,575	
Ryan MacGregor, Jr Sampler			
9 days @ $225/day		2,025	$ 10,475
ANALYSES			
Rocks		$ 180	
Soils		1216	$ 1,396
SUB-CONTRACTS			
Linecutting		$ 22,100	
Gravity Survey	31.26 kms	32,798	
Magnetometer	70.75 kms	7,550	$ 62,448
GENERAL EXPENSES (attach)			
$158,875 x 0.53 (50 man/days of 95 total field days)			$ 83,461
TOTAL			**$ 157,780**

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) Murray Jones.

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				
Accomodation			$ 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	
				16,234.02
TOTAL				$ 158,574.19
CONTINGENCY		10%		-
SUBTOTAL				158,574.19
G.S.T.		7%		11,100.19
GRAND TOTAL				$ 169,674.38

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 x 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, 1998) Murray Jones

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		4.5	$ 425	$ 1,912.50	
Prospector, Tim Sullivan		2	275	550.00	
Senior Sampler, Matt Henry		21	275	5,775.00	
Junior Sampler, x 2		5	225	1,125.00	
Cook, Lise Tompson		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	500.00	
Handheld Radios(mday)		134	5.00	670.00	
Pentium Notebook		24	15.00	360.00	
vehicle for Tim		0		943.05	
					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)

Accomodation	$	523.55	
Airfare	$	778.10	25% of total
Automotive Fuel		48.14	
Aviation Fuel		2,596.23	
Camp Food		4,914.36	
Camp Supplies		2,022.35	
Communications		2,950.73	
Courier, Freight		273.73	
Expediting		1,075.80	
Field Supplies		4,585.52	
Freight		1,611.28	
Maps & Publications		154.43	
Meals		129.93	
Office Supplies		36.90	
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	$	9,689.50	
			9,689.50
TOTAL			$ 100,076.61
CONTINGENCY 10%			-
SUBTOTAL			100,076.61
G.S.T. 7%			7,005.36
GRAND TOTAL			$ 107,081.97

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
62^0 55'N, 135^0 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

TABLE OF CONTENTS

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: Gb = Bouguer Gravity; tc = Terrain correction; Gobs = Observed Gravity; h = Station elevation; Gl = 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 ½ a milligal.

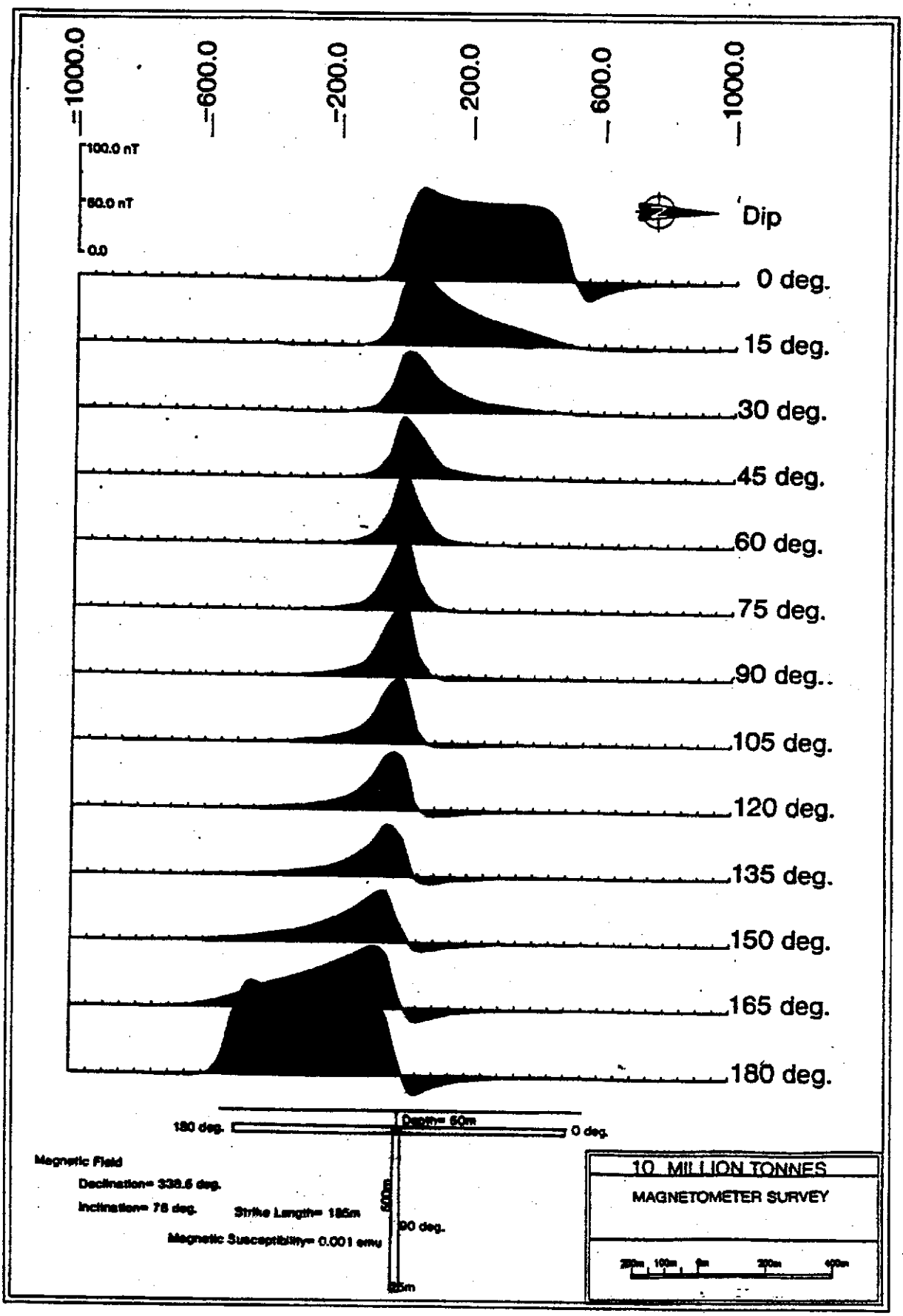
Anomaly A has had one hole (DDH 90-01) drilled to its south on line 6200.0W but is otherwise untested over its 800 metre strike length. This hole intersected Au-bearing, massive pyrrhotite, equivalent to the lower zone mineralization seen in holes FRN 96-02, and 04. The east end of Anomaly B was tested 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 ands 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 ½ 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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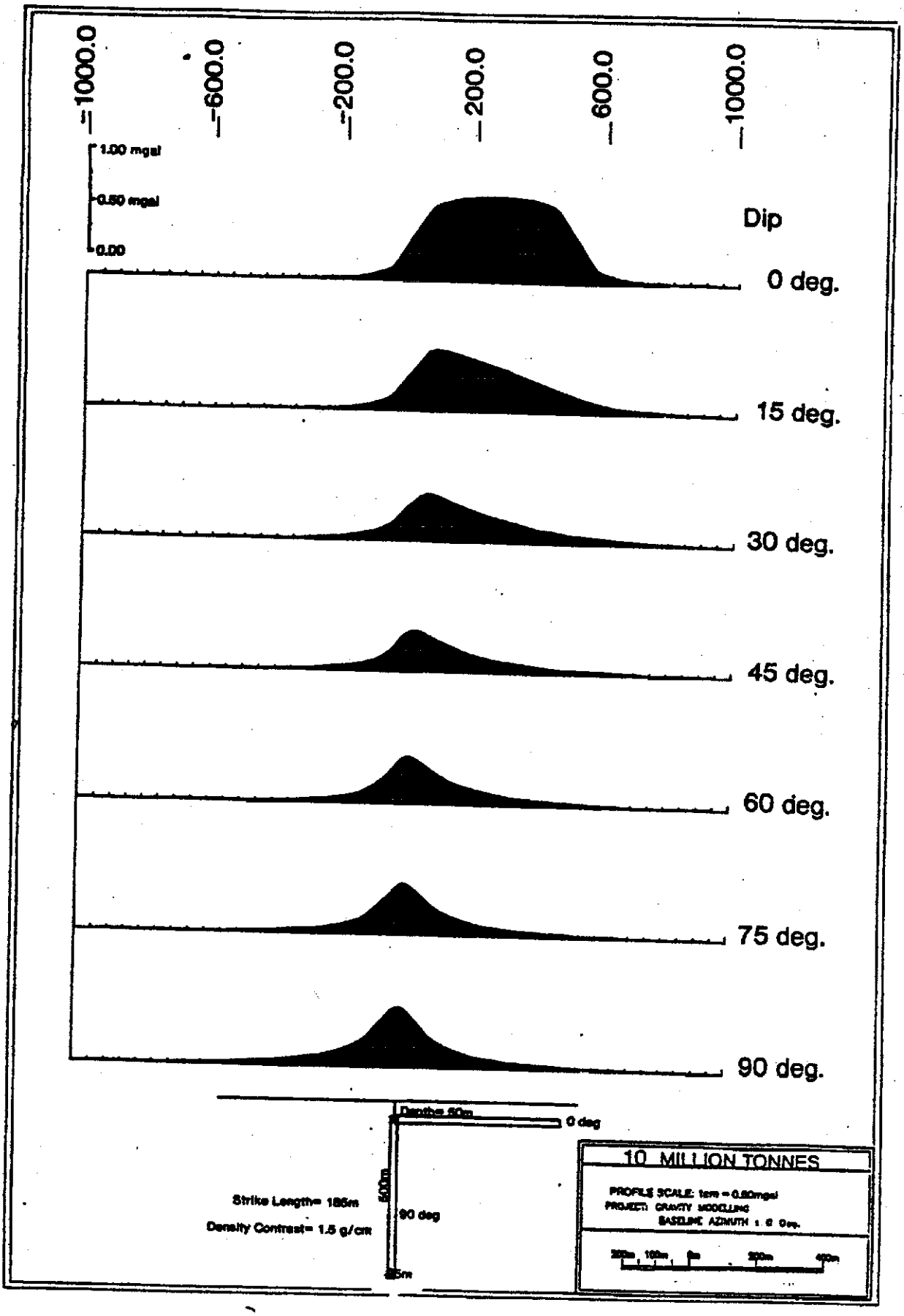
50.0 nT
0.0
Dip
0 deg.
15 deg.
30 deg.
45 deg.
60 deg.
75 deg.
90 deg..
105 deg.
120 deg.
135 deg.
150 deg.
165 deg.
180 deg.
180 deg.
Depth= 50m
0 deg.
Magnetic Field
Declination= 338.6 deg.
Inclination= 78 deg.
Strike Length= 185m
Magnetic Susceptibility= 0.001 emu
50m
90 deg.
25m
10 MILLION TONNES
MAGNETOMETER SURVEY

Figure 1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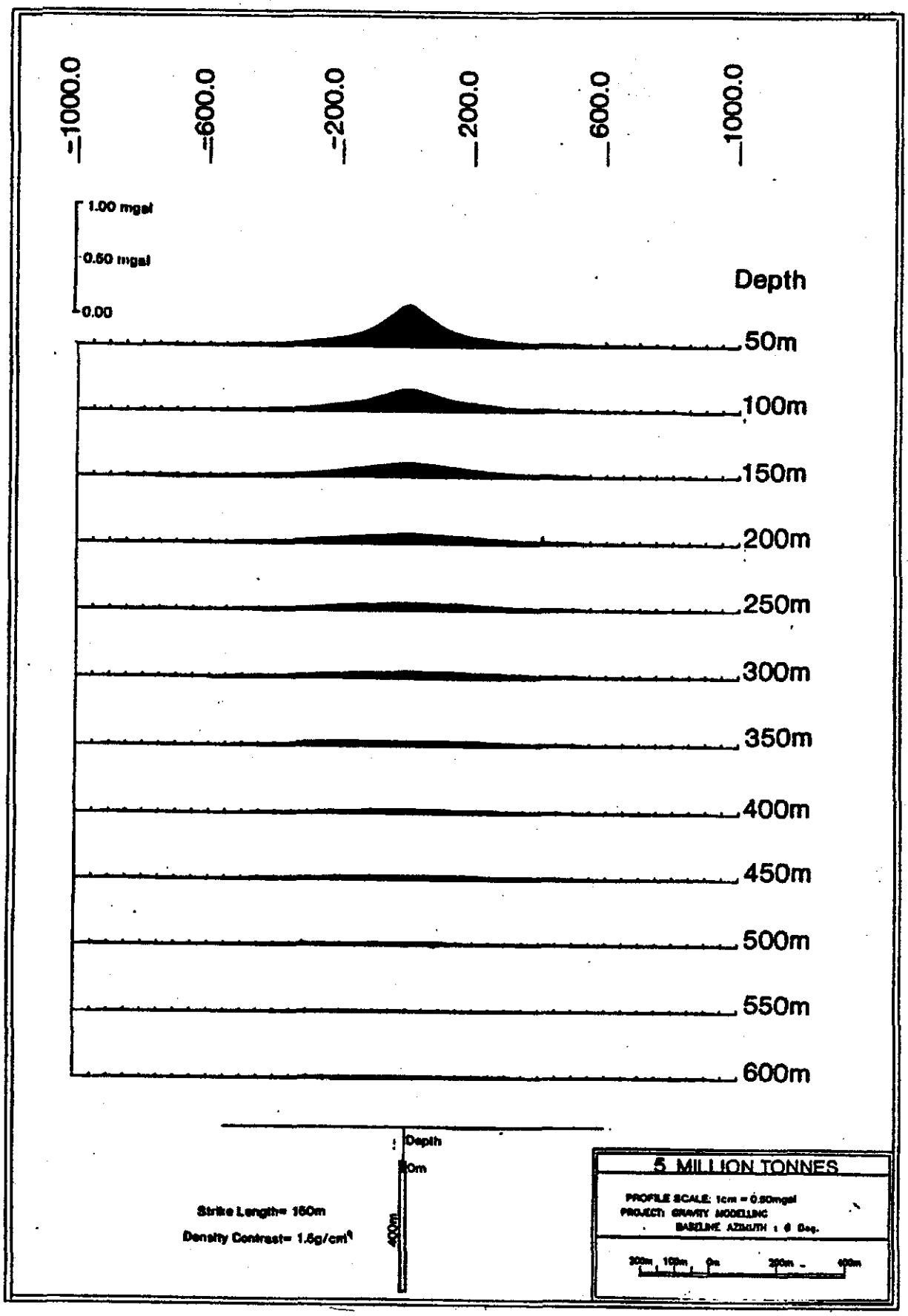
1000.0
1.00 mgal
0.50 mgal
0.00
Dip
0 deg.
15 deg.
30 deg.
45 deg.
60 deg.
75 deg.
90 deg.
Depths 60m
0 deg
Strike Length= 185m
Density Contrast= 1.5 g/cm
90 deg
10 MILLION TONNES
PROFILE SCALE: 1cm = 0.50mgal
PROJECT: GRAVITY MODELLING
BASELINE AZIMUTH : 0 Deg.

Figure 2


-1000.0
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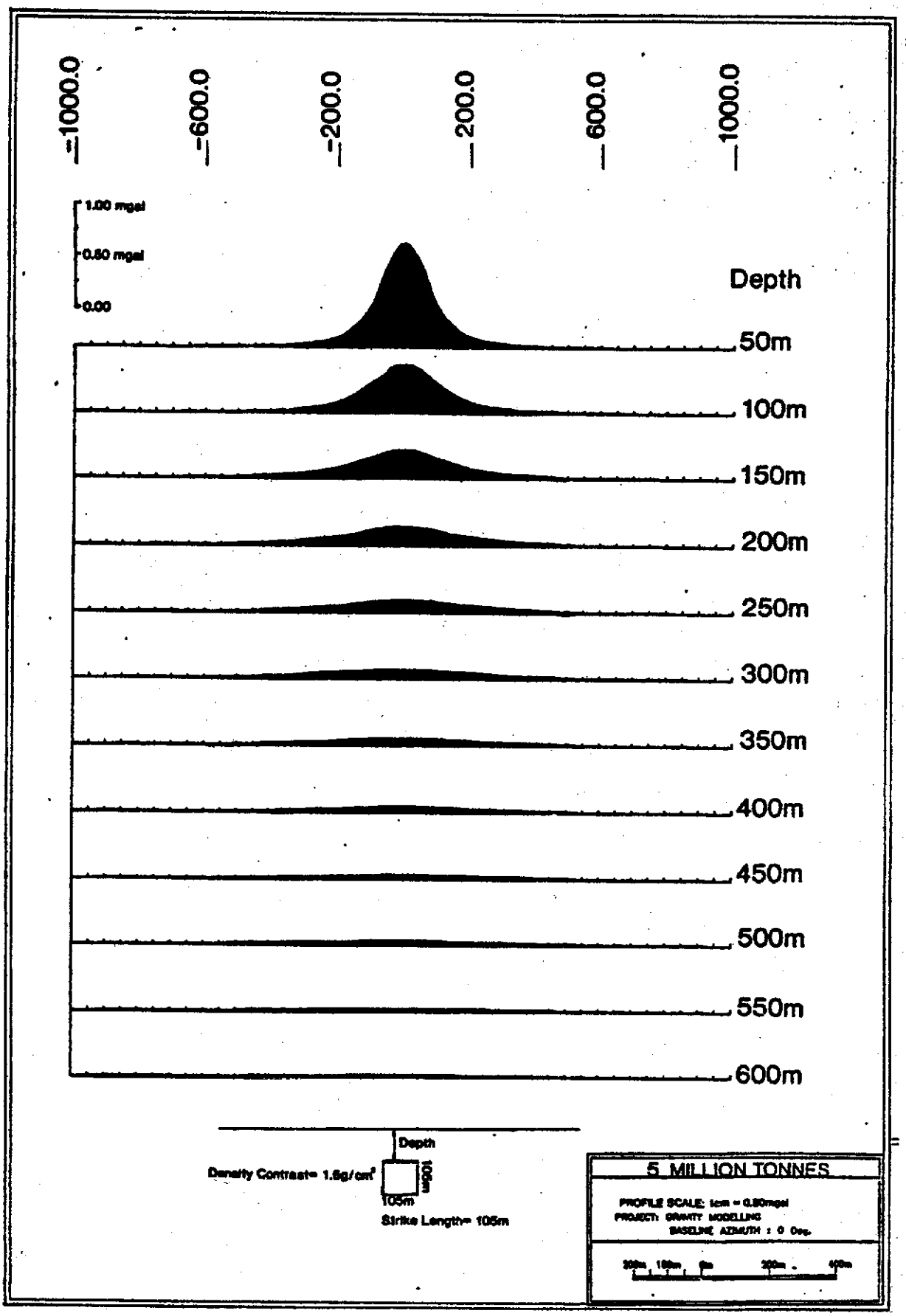
200.0
600.0
1000.0
1.00 mgal
0.50 mgal
0.00
Depth
50m
100m
150m
200m
250m
300m
350m
400m
450m
500m
550m
600m
Depth
Strike Length= 150m
Density Contrast= 1.6g/cm³
400m
5 MILLION TONNES
PROFILE SCALE: 1cm = 0.50mgal
PROJECT: GRAVITY MODELLING
BASELINE AZIMUTH : 0 deg.
300m
100m
0m
200m
400m

Figure 3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200.0
600.0
1000.0
1.00 mgal
0.50 mgal
0.00
Depth
50m
100m
150m
200m
250m
300m
350m
400m
450m
500m
550m
600m
Depth
Density Contrast= 1.6g/cm³
100m
105m
Strike Length= 105m
5 MILLION TONNES
PROFILE SCALE: 1cm = 0.50mgal
PROJECT: GRAVITY MODELLING
BASELINE AZIMUTH : 0 Deg.

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 ½ 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 ¼ and ½ 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 ¼ 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 ½ 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:

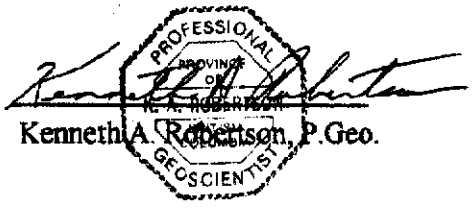
1. THAT I am a Consulting Geoscientist with offices at 7540 Garfield Drive, Delta, British Columbia, V4C 7L4

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 9th day of January, 1998.



Kenneth A. Robertson, P.Geo.

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

11509 Summit Drive, Vernon, British Columbia, Canada V1B 2B5 • (604) 542-9897 • Fax (604) 545-5899

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:

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

where:

$\phi = latitude$

$g_0 = 978032.68$

$\alpha = .0053024$

$\beta = .0000058$

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: MWH 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	HJ.	Tide	Terr	G Observed	Lat Corr	Northing	Easting	Elevtn	Latitude N Deg	Min	Sec	Longitude W Deg	Min	Sec	BG@D#1	BG@D#2	BG@D#3
-3300 W	50	tg97183	8.36	5284.90	0.46	-0.018	0.01	982,124.96	982138.65	6974173	510759	727.87	62	53	57.01	128	47	17.99	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	726.74	62	53	58.54	128	47	16.86	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	727.62	62	54	0.83	128	47	15.17	140.82	134.72	129.54
-3300 W	200	tg97183	9.21	5284.46	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	9.46	5281.57	0.51	0.012	0.17	982,121.50	982138.79	6974387	510830	746.30	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	129.92
-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	0.46	0.021	0.29	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	129.62
-3300 W	425	tg97183	10.46	5286.11	0.50	0.033	0.24	982,126.29	982138.89	6974529	510877	721.65	62	54	8.49	128	47	9.52	140.81	134.78	129.66
-3300 W	450	tg97183	10.53	5286.55	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	0.036	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	140.76	134.81	129.76
-3300 W	525	tg97183	11.20	5288.85	0.38	0.039	0.16	982,129.14	982138.95	6974624	510909	706.78	62	54	11.56	128	47	7.26	140.34	134.43	129.41
-3300 W	550	tg97183	11.29	5288.99	0.50	0.043	0.06	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	706.04	62	54	13.09	128	47	6.13	140.05	134.14	129.11
-3300 W	600	tg97183	11.45	5288.86	0.48	0.046	0.03	982,129.19	982138.99	6974695	510933	706.39	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	706.84	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	5288.83	0.48	0.048	0.01	982,129.16	982139.04	6974766	510956	707.89	62	54	16.15	128	47	3.87	140.33	134.40	129.35
-3300 W	700	tg97183	12.30	5288.16	0.66	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	140.67	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	140.90	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	706.16	62	54	21.51	128	46	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	46	59.36	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	706.03	62	54	23.04	128	46	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	46	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	46	57.66	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	46	57.10	140.71	134.79	129.76
-3300 W	1000	tg97183	13.57	5289.80	0.55	0.040	0.39	982,130.19	982139.25	6975075	511059	704.44	62	54	26.10	128	46	56.53	140.86	135.00	130.01
-3500 W	-1000	tg97181	11.10	5278.66	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	130.95
-3500 W	-975	tg97181	11.21	5279.91	0.34	0.026	0.79	982,119.63	982138.05	6973264	510246	753.13	62	53	27.68	128	47	54.55	142.29	136.06	130.76
-3500 W	-950	tg97181	11.31	5281.08	0.53	0.026	0.60	982,120.92	982138.07	6973288	510254	746.25	62	53	28.44	128	47	53.98	141.89	135.69	130.42
-3500 W	-925	tg97181	11.43	5281.34	0.56	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	29.96	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	510293	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	12.46	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	510317	747.54	62	53	34.57	128	47	49.47	141.75	135.58	130.33
-3500 W	-725	tg97181	13.11	5280.97	0.48	0.012	1.34	982,120.77	982138.21	6973501	510325	743.22	62	53	35.33	128	47	48.91	141.81	135.71	130.53

-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	36.10	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	36.87	128	47	47.78	140.76	134.84	129.81
-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	37.63	128	47	47.21	140.19	134.31	129.31
-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	46.65	139.85	134.00	129.03
-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	39.16	128	47	46.09	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	129.06
-3500 W	-550	tg97181	14.29	5288.45	0.56	-0.011	0.02	982,128.64	982138.32	6973667	510380	704.39	62	53	40.69	128	47	44.96	139.80	133.90	128.88
-3500 W	-525	tg97181	14.36	5288.38	0.51	-0.013	0.03	982,128.54	982138.33	6973691	510388	705.88	62	53	41.46	128	47	44.39	140.02	134.11	129.06
-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	129.25
-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	42.99	128	47	43.27	140.30	134.37	129.33
-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	43.76	128	47	42.70	140.43	134.49	129.44
-3500 W	-425	tg97181	14.56	5288.25	0.54	-0.018	0.02	982,128.41	982138.40	6973786	510419	709.43	62	53	44.52	128	47	42.14	140.57	134.62	129.57
-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	129.61
-3500 W	-375	tg97181	15.06	5287.76	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	129.68
-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	129.62
-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	129.72
-3500 W	-250	tg97181	15.35	5287.29	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	129.82
-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	37.62	140.95	134.95	129.84
-3500 W	-200	tg97181	15.50	5287.26	0.40	-0.038	0.03	982,127.31	982138.54	6973999	510490	716.89	62	53	51.41	128	47	37.06	140.92	134.91	129.80
-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	36.49	140.88	134.85	129.73
-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	129.81
-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	129.90
-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	129.97
-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	129.99
-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	5287.94	0.40	-0.050	0.03	982,128.01	982138.63	6974142	510538	714.81	62	53	56.01	128	47	33.67	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	33.67	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	135.06	129.99
-3500 W	-25	tg97181	16.37	5288.12	0.49	-0.052	0.00	982,128.22	982138.65	6974165	510546	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	129.99
-3600 W	-1000	tg97180	9.39	5286.87	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	0.66	982,127.18	982138.07	6973295	510153	716.28	62	53	28.69	128	48	1.11	141.85	135.91	130.86
-3600 W	-975	tg97181	10.25	5287.06	0.46	0.023	0.66	982,127.19	982138.07	6973295	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	6973390	510184	709.73	62	53	31.75	128	47	58.87	141.25	135.35	130.34
-3600 W	-850	tg97180	10.59	5288.71	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	0.96	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	56.63	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	134.61	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	5290.34	0.44	-0.001	0.06	982,130.59	982138.24	6973556	510239	695.33	62	53	37.11	128	47	54.95	139.95	134.13	129.18
-3600 W	-675	tg97180	12.24	5290.41	0.56	-0.002	0.02	982,130.70	982138.26	6973580	510247	695.34	62	53	37.88	128	47	54.39	140.00	134.17	129.22
-3600 W	-650	tg97180	12.34	5290.20	0.62	-0.004	0.00	982,130.49	982138.28	6973603	510255	696.71	62	53	38.65	128	47	53.83	140.05	134.21	129.24
-3600 W	-625	tg97180	12.53	5290.13	0.65	-0.007	0.00	982,130.43	982138.29	6973627	510263	697.39	62	53	39.41	128	47	53.27	140.11	134.26	129.29
-3600 W	-600	tg97180	13.01	5290.07	0.61	-0.010	0.00	982,130.35	982138.31	6973651	510270	698.02	62	53	40.18	128	47	52.71	140.15	134.30	129.32
-3600 W	-575	tg97180	13.10	5290.10	0.54	-0.012	0.00	982,130.35	982138.32	6973675	510278	698.47	62	53	40.95	128	47	52.15	140.24	134.38	129.40
-3600 W	-550	tg97180	13.17	5290.16	0.61	-0.013	0.00	982,130.44	982138.34	6973698	510286	698.72	62	53	41.71	128	47	51.59	140.36	134.50	129.52
-3600 W	-525	tg97180	13.26	5290.18	0.50	-0.016	0.00	982,130.42	982138.35	6973722	510294	699.26	62	53	42.48	128	47	51.03	140.44	134.58	129.59
-3600 W	-500	tg97180	13.35	5290.06	0.60	-0.018	0.00	982,130.32	982138.37	6973746	510302	700.09	62	53	43.24	128	47	50.47	140.50	134.63	129.64
-3600 W	-475	tg97180	13.43	5289.99	0.61	-0.020	0.00	982,130.25	982138.38	6973770	510310	701.02	62	53	44.01	128	47	49.91	140.61	134.73	129.74
-3600 W	-450	tg97180	13.51	5289.67	0.59	-0.022	0.02	982,129.91	982138.40	6973793	510317	703.10	62	53	44.78	128	47	49.34	140.71	134.82	129.81
-3600 W	-425	tg97180	13.58	5289.59	0.53	-0.022	0.03	982,129.80	982138.42	6973817	510325	704.05	62	53	45.54	128	47	48.78	140.81	134.91	129.89
-3600 W	-400	tg97180	14.08	5289.48	0.61	-0.026	0.02	982,129.71	982138.43	6973841	510333	704.99	62	53	46.31	128	47	48.22	140.88	134.98	129.95

-3600 W	-375	tg97180	14.19	5289.59	0.60	-0.029	0.04	982,129.82	982138.45	6973865	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	982138.46	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	46.54	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	510364	705.28	62	53	49.37	128	47	45.98	140.96	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	6973983	510380	706.68	62	53	50.91	128	47	44.86	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	5288.59	0.61	-0.044	0.04	982,128.75	982138.56	6974031	510396	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	5288.88	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	141.28	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	706.75	62	53	57.04	128	47	40.38	141.26	135.33	130.30
-3600 W	-25	tg97180	16.35	5290.08	0.43	-0.060	0.01	982,130.24	982138.67	6974197	510451	705.29	62	53	57.80	128	47	39.82	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	706.04	62	53	58.57	128	47	39.26	141.32	135.40	130.37
-3700 W	-1000	tg97184	10.42	5292.41	0.53	0.023	0.16	982,132.93	982138.08	6973302	510050	689.36	62	53	28.94	128	48	8.39	141.31	135.54	130.64
-3700 W	-975	tg97184	10.34	5292.09	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	7.26	141.63	135.86	130.96
-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	135.87	130.96
-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	5292.54	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	9.50	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	9.43	5292.49	0.38	-0.002	0.01	982,132.94	982138.19	6973469	510105	687.03	62	53	34.31	128	48	4.46	140.54	134.78	129.88
-3700 W	-800	tg97184	9.38	5292.49	0.37	-0.004	0.00	982,132.93	982138.20	6973492	510113	686.96	62	53	35.07	128	48	3.90	140.49	134.73	129.84
-3700 W	-775	tg97184	9.31	5292.32	0.45	-0.007	0.00	982,132.77	982138.22	6973516	510121	687.52	62	53	35.84	128	48	3.34	140.44	134.67	129.77
-3700 W	-750	tg97184	9.23	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	9.16	5292.02	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	9.12	5291.88	0.59	-0.015	0.00	982,132.34	982138.26	6973587	510144	689.83	62	53	38.14	128	48	1.66	140.45	134.67	129.75
-3700 W	-675	tg97184	9.06	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	-600	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	-600	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	17.06	5291.67	0.52	-0.031	0.00	982,132.07	982138.34	6973706	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	6973706	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	6973706	510183	692.42	62	53	41.97	128	47	58.87	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	134.91	129.98
-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	134.92	129.98
-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	134.93	129.99
-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	134.96	130.02
-3700 W	-500	tg97183	16.36	5291.58	0.57	-0.019	0.00	982,132.00	982138.39	6973777	510207	693.59	62	53	44.27	128	47	57.19	140.78	134.97	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	56.63	140.88	135.06	130.11
-3700 W	-450	tg97183	16.22	5291.23	0.63	-0.014	0.01	982,131.66	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	696.95	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	-375	tg97183	16.07	5291.30	0.52	-0.007	0.00	982,131.71	982138.47	6973896	510246	696.79	62	53	48.10	128	47	54.38	141.09	135.25	130.28
-3700 W	-350	tg97183	16.02	5291.35	0.28	-0.005	0.00	982,131.69	982138.48	6973920	510254	697.09	62	53	48.86	128	47	53.82	141.12	135.27	130.30
-3700 W	-325	tg97183	15.57	5291.19	0.63	0.000	0.00	982,131.63	982138.50	6973943	510262	697.69	62	53	49.63	128	47	53.26	141.17	135.32	130.35
-3700 W	-300	tg97183	15.52	5291.16	0.52	0.000	0.00	982,131.57	982138.52	6973967	510269	696.26	62	53	50.40	128	47	52.70	141.21	135.36	130.38
-3700 W	-275	tg97183	15.47	5291.06	0.63	0.001	0.00	982,131.50	982138.53	6973991	510277	698.80	62	53	51.16	128	47	52.14	141.24	135.38	130.40
-3700 W	-250	tg97183	15.43	5291.03	0.42	0.003	0.00	982,131.40	982138.55	6974015	510285	699.16	62	53	51.93	128	47	51.58	141.21	135.35	130.36
-3700 W	-225	tg97183	15.37	5290.87	0.58	0.005	0.01	982,131.29	982138.56	6974038	510293	700.04	62	53	52.70	128	47	51.02	141.27	135.41	130.42
-3700 W	-200	tg97183	15.29	5290.50	0.42	0.008	0.00	982,130.85	982138.58	6974062	510301	701.83	62	53	53.46	128	47	50.46	141.19	135.31	130.31
-3700 W	-175	tg97183	15.23	5290.61	0.54	0.011	0.02	982,131.01	982138.59	6974086	510309	701.55	62	53	54.23	128	47	49.90	141.29	135.41	130.42
-3700 W	-150	tg97183	15.18	5290.71	0.52	0.013	0.01	982,131.11	982138.61	6974110	510317	701.20	62	53	54.99	128	47	49.34	141.29	135.42	130.42
-3700 W	-125	tg97183	15.13	5290.74	0.49	0.015	0.02	982,131.13	982138.62	6974133	510324	701.11	62	53	55.76	128	47	48.78	141.29	135.42	130.42
-3700 W	-100	tg97183	15.07	5290.92	0.53	0.017	0.02	982,131.34	982138.64	6974157	510332	700.29	62	53	56.53	128	47	48.22	141.31	135.44	130.45
-3700 W	-75	tg97183	15.03	5291.10	0.31	0.018	0.04	982,131.46	982138.66	6974181	510340	699.72	62	53	57.29	128	47	47.66	141.32	135.46	130.47
-3700 W	-50	tg97183	14.58	5291.26	0.30	0.023	0.03	982,131.63	982138.67	6974205	510348	699.20	62	53	58.06	128	47	47.10	141.35	135.49	130.51
-3700 W	-25	tg97183	14.53	5291.33	0.45	0.023	0.03	982,131.75	982138.69	6974228	510356	698.53	62	53	58.83	128	47	46.54	141.31	135.46	130.48

-3700 W	0	tg97183	14.46	5291.78	0.44	0.024	0.03	982,132.22	982138.70	6974252	510364	696.59	62	53	59.59	128	47	45.98	141.36	135.52	130.56
-3900 W	-1000	tg97184	10.56	5294.53	0.45	0.025	0.00	982,135.13	982138.12	6973365	509860	681.45	62	53	30.98	128	48	21.80	141.61	135.90	131.04
-3900 W	-975	tg97184	11.03	5294.66	0.68	0.030	0.00	982,135.35	982138.13	6973389	509868	680.58	62	53	31.75	128	48	21.24	141.62	135.92	131.07
-3900 W	-950	tg97184	11.09	5294.89	0.58	0.032	0.00	982,135.56	982138.15	6973413	509876	679.23	62	53	32.52	128	48	20.68	141.53	135.84	131.00
-3900 W	-925	tg97184	11.13	5294.91	0.52	0.033	0.00	982,135.57	982138.17	6973436	509884	678.91	62	53	33.28	128	48	20.12	141.45	135.76	130.92
-3900 W	-900	tg97184	11.19	5295.06	0.53	0.035	0.00	982,135.73	982138.18	6973460	509892	678.27	62	53	34.05	128	48	19.56	141.47	135.78	130.95
-3900 W	-875	tg97184	11.28	5294.90	0.57	0.037	0.00	982,135.58	982138.20	6973484	509900	678.62	62	53	34.81	128	48	19.00	141.37	135.68	130.85
-3900 W	-850	tg97184	11.34	5295.22	0.51	0.039	0.00	982,135.90	982138.21	6973508	509907	677.31	62	53	35.58	128	48	18.44	141.40	135.72	130.89
-3900 W	-825	tg97184	11.41	5295.22	0.45	0.041	0.00	982,135.88	982138.23	6973531	509915	677.33	62	53	36.35	128	48	17.88	141.37	135.69	130.86
-3900 W	-800	tg97184	11.46	5295.12	0.49	0.042	0.00	982,135.79	982138.24	6973555	509923	677.99	62	53	37.11	128	48	17.32	141.40	135.72	130.89
-3900 W	-775	tg97184	11.54	5294.97	0.59	0.043	0.00	982,135.66	982138.26	6973579	509931	678.29	62	53	37.88	128	48	16.76	141.33	135.64	130.81
-3900 W	-750	tg97184	12.00	5294.86	0.58	0.045	0.00	982,135.55	982138.28	6973602	509939	678.74	62	53	38.65	128	48	16.20	141.29	135.60	130.76
-3900 W	-725	tg97184	12.16	5294.82	0.60	0.048	0.00	982,135.52	982138.29	6973626	509947	679.11	62	53	39.41	128	48	15.64	141.32	135.63	130.79
-3900 W	-700	tg97184	12.22	5294.75	0.61	0.049	0.00	982,135.45	982138.31	6973650	509954	679.52	62	53	40.18	128	48	15.08	141.32	135.63	130.78
-3900 W	-675	tg97184	12.28	5294.65	0.39	0.050	0.00	982,135.28	982138.32	6973674	509962	680.28	62	53	40.94	128	48	14.52	141.30	135.59	130.75
-3900 W	-650	tg97184	12.34	5294.62	0.50	0.050	0.00	982,135.28	982138.34	6973697	509970	680.65	62	53	41.71	128	48	13.96	141.36	135.66	130.81
-3900 W	-625	tg97184	12.40	5294.64	0.57	0.051	0.00	982,135.32	982138.35	6973721	509978	680.84	62	53	42.48	128	48	13.40	141.43	135.72	130.87
-3900 W	-600	tg97184	12.45	5294.69	0.44	0.052	0.00	982,135.34	982138.37	6973745	509986	681.04	62	53	43.24	128	48	12.84	141.47	135.76	130.91
-3900 W	-575	tg97184	12.50	5294.69	0.58	0.052	0.00	982,135.38	982138.38	6973769	509994	680.94	62	53	44.01	128	48	12.28	141.48	135.77	130.92
-3900 W	-550	tg97184	12.56	5294.72	0.51	0.052	0.00	982,135.39	982138.40	6973792	510001	681.18	62	53	44.78	128	48	11.72	141.52	135.81	130.96
-3900 W	-525	tg97184	13.02	5294.64	0.56	0.052	0.00	982,135.32	982138.42	6973816	510009	682.01	62	53	45.54	128	48	11.16	141.62	135.90	131.04
-3900 W	-500	tg97184	13.09	5294.55	0.54	0.052	0.00	982,135.22	982138.43	6973840	510017	682.71	62	53	46.31	128	48	10.60	141.65	135.93	131.06
-3900 W	-475	tg97184	13.16	5294.47	0.57	0.052	0.00	982,135.15	982138.45	6973864	510025	683.64	62	53	47.07	128	48	10.04	141.76	136.03	131.15
-3900 W	-450	tg97184	13.22	5294.70	0.47	0.052	0.00	982,135.36	982138.46	6973887	510033	683.46	62	53	47.84	128	48	9.48	141.92	136.18	131.31
-3900 W	-425	tg97184	13.27	5294.87	0.53	0.051	0.00	982,135.56	982138.48	6973911	510041	683.29	62	53	48.61	128	48	8.92	142.06	136.33	131.46
-3900 W	-400	tg97184	13.33	5294.85	0.50	0.051	0.00	982,135.53	982138.49	6973935	510048	682.47	62	53	49.37	128	48	8.36	141.84	136.12	131.25
-3900 W	-375	tg97184	13.38	5294.65	0.36	0.050	0.00	982,135.27	982138.51	6973959	510056	683.07	62	53	50.14	128	48	7.80	141.70	135.97	131.10
-3900 W	-350	tg97184	13.44	5294.54	0.52	0.050	0.00	982,135.20	982138.53	6973982	510064	683.41	62	53	50.91	128	48	7.24	141.69	135.96	131.09
-3900 W	-325	tg97184	13.51	5294.31	0.49	0.049	0.00	982,134.95	982138.54	6974006	510072	684.35	62	53	51.67	128	48	6.68	141.62	135.88	131.01
-3900 W	-300	tg97184	13.56	5294.21	0.50	0.049	0.00	982,134.85	982138.56	6974030	510080	684.76	62	53	52.44	128	48	6.12	141.59	135.85	130.97
-3900 W	-275	tg97184	14.03	5294.18	0.52	0.047	0.00	982,134.83	982138.57	6974054	510088	684.72	62	53	53.21	128	48	5.56	141.54	135.80	130.92
-3900 W	-250	tg97184	14.19	5293.91	0.48	0.044	0.00	982,134.53	982138.59	6974077	510096	686.02	62	53	53.97	128	48	5.00	141.50	135.75	130.86
-3900 W	-225	tg97184	14.25	5293.94	0.41	0.043	0.00	982,134.54	982138.60	6974101	510103	686.25	62	53	54.74	128	48	4.44	141.54	135.79	130.90
-3900 W	-200	tg97184	14.31	5293.98	0.50	0.042	0.00	982,134.61	982138.62	6974125	510111	685.98	62	53	55.50	128	48	3.88	141.54	135.79	130.90
-3900 W	-175	tg97184	14.37	5294.14	0.58	0.040	0.00	982,134.80	982138.64	6974149	510119	685.48	62	53	56.27	128	48	3.32	141.61	135.86	130.98
-3900 W	-150	tg97184	14.42	5294.03	0.52	0.039	0.00	982,134.66	982138.65	6974172	510127	685.86	62	53	57.04	128	48	2.76	141.54	135.79	130.90
-3900 W	-125	tg97184	14.49	5294.05	0.43	0.037	0.00	982,134.65	982138.67	6974196	510135	686.33	62	53	57.80	128	48	2.19	141.62	135.86	130.97
-3900 W	-100	tg97184	14.54	5294.05	0.53	0.037	0.00	982,134.69	982138.68	6974220	510143	686.47	62	53	58.57	128	48	1.63	141.66	135.91	131.01
-3900 W	-75	tg97184	15.01	5294.04	0.45	0.034	0.00	982,134.65	982138.70	6974243	510150	686.30	62	53	59.34	128	48	1.07	141.57	135.82	130.93
-3900 W	-50	tg97184	15.37	5294.21	0.51	0.021	0.00	982,134.84	982138.71	6974267	510158	685.73	62	54	0.10	128	48	0.51	141.62	135.87	130.99
-3900 W	-50	tg97184	15.11	5294.24	0.40	0.031	0.00	982,134.84	982138.71	6974267	510158	685.73	62	54	0.10	128	48	0.51	141.63	135.88	130.99
-3900 W	-25	tg97184	15.32	5294.32	0.49	0.023	0.00	982,134.95	982138.73	6974291	510166	685.01	62	54	0.86	128	47	59.96	141.57	135.82	130.94
-3900 W	-25	tg97184	15.17	5294.33	0.55	0.028	0.00	982,134.98	982138.73	6974291	510166	685.01	62	54	0.86	128	47	59.96	141.60	135.86	130.97
-3900 W	0	tg97184	15.44	5294.48	0.62	0.018	0.00	982,135.15	982138.74	6974315	510174	684.12	62	54	1.63	128	47	59.40	141.57	135.83	130.95
-3900 W	0	tg97184	15.25	5294.48	0.66	0.026	0.00	982,135.17	982138.74	6974315	510174	684.12	62	54	1.63	128	47	59.40	141.58	135.85	130.97
-4100 W	-1000	tg97185	12.35	5296.33	0.55	0.044	0.00	982,137.11	982138.16	6973428	509670	675.27	62	53	33.03	128	48	35.25	142.23	136.57	131.75
-4100 W	-975	tg97185	12.28	5296.41	0.47	0.043	0.00	982,137.16	982138.18	6973452	509678	674.96	62	53	33.80	128	48	34.69	142.20	136.54	131.73
-4100 W	-950	tg97185	12.22	5296.69	0.50	0.041	0.00	982,137.47	982138.19	6973475	509686	673.80	62	53	34.56	128	48	34.13	142.24	136.60	131.79
-4100 W	-925	tg97185	12.16	5296.64	0.51	0.040	0.00	982,137.42	982138.21	6973499	509694	673.77	62	53	35.33	128	48	33.57	142.17	136.52	131.72
-4100 W	-900	tg97185	12.10	5296.60	0.57	0.038	0.00	982,137.39	982138.22	6973523	509702	673.53	62	53	36.09	128	48	33.01	142.08	136.43	131.63
-4100 W	-875	tg97185	12.04	5296.72	0.62	0.037	0.00	982,137.53	982138.24	6973547	509709	672.96	62	53	36.86	128	48	32.45	142.08	136.44	131.65
-4100 W	-850	tg97185	11.57	5296.76	0.54	0.033	0.00	982,137.54	982138.25	6973570	509717	672.76	62	53	37.63	128	48	31.89	142.04	136.40	131.60
-4100 W	-825	tg97185	11.52	5296.71	0.58	0.033	0.00	982,137.50	982138.27	6973594	509725	672.57	62	53	38.39	128	48	31.33	141.94	136.30	131.51
-4100 W	-800	tg97185	11.47	5296.76	0.46	0.032	0.00	982,137.52	982138.29	6973618	509733	672.34	62	53	39.16	128	48	30.77	141.89	136.26	131.46
-4100 W	-775	tg97185	11.42	5296.83	0.67	0.031	0.00	982,137.66	982138.30	6973642	509741	671.83	62	53	39.93	128	48	30.21	141.91	136.27	131.49
-4100 W	-750	tg97185	11.35	5296.88	0.57	0.028	0.00	982,137.67	982138.32	6973665	509749	671.48	62	53	40.69	128	48	29.65	141.84	136.21	131.42
-4100 W	-725	tg97185	11.29	5296.99	0.50	0.026	0.00	982,137.77	982138.33	6973689	509757	671.11	62	53	41.46	128	48	29.09	141.83	136.21	131.42
-4100 W	-700	tg97185	11.24	5296.97	0.58	0.024	0.00	982,137.77	982138.35	6973713	509764	671.27	62	53	42.22	128	48	28.53	141.85	136.23	131.44
-4100 W	-675	tg97185	11.19	5296.90	0.55	0.023	0.00	982,137.68	982138.36	6973736	509772	671.52	62	53	42.99	128	48	27.97	141.81	136.18	131.39
-4100 W	-650	tg97185	11.14	5296.78	0.60	0.021	0.00	982,137.57	982138.38	6973760	509780	672.04	62	53	43.76	128	48	27.41	141.79	136.15	131.36
-4100 W	-625	tg97185	11.08	5296.78	0.44	0.018	0.00	982,137.52	982138.40	6973784	509788	672.39	62	53	44.52	128	48	26.85	141.80	136.16	131.37
-4100 W	-600	tg97185	11.03	5296.78	0.49	0.016	0.00	982,137.53	982138.41	6973808	509796	672.58	62	53	45.29	128	48	26.29	141.83	136.19	131.40

-4100 W	-575	tg97185	10.58	5296.87	0.57	0.012	0.00	982,137.65	982138.43	6973831	509804	672.48	62	53	46.06	128	48	25.73	141.91	136.27	131.48
-4100 W	-550	tg97185	10.52	5296.94	0.45	0.012	0.00	982,137.69	982138.44	6973855	509811	672.50	62	53	46.82	128	48	25.17	141.94	136.30	131.51
-4100 W	-525	tg97185	10.46	5296.90	0.45	0.010	0.00	982,137.64	982138.46	6973879	509819	673.04	62	53	47.59	128	48	24.61	141.99	136.35	131.55
-4100 W	-500	tg97185	10.32	5297.01	0.45	0.004	0.00	982,137.75	982138.47	6973903	509827	672.83	62	53	48.36	128	48	24.05	142.04	136.40	131.61
-4100 W	-475	tg97185	10.26	5297.20	0.44	0.001	0.00	982,137.95	982138.49	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	982138.50	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	0.36	-0.004	0.00	982,138.49	982138.52	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	982138.54	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	982138.55	6974021	509866	672.53	62	53	52.19	128	48	21.25	141.96	136.32	131.53
-4100 W	-350	tg97185	9.57	5296.99	0.49	-0.014	0.00	982,137.73	982138.57	6974045	509874	672.35	62	53	52.95	128	48	20.69	141.82	136.18	131.39
-4100 W	-325	tg97185	9.51	5297.01	0.45	-0.014	0.00	982,137.73	982138.58	6974069	509882	671.97	62	53	53.72	128	48	20.13	141.73	136.10	131.31
-4100 W	-300	tg97185	9.44	5297.08	0.67	-0.016	0.00	982,137.87	982138.60	6974093	509890	671.61	62	53	54.49	128	48	19.57	141.78	136.15	131.36
-4100 W	-275	tg97185	9.38	5296.89	0.45	-0.019	0.00	982,137.60	982138.61	6974116	509898	672.24	62	53	55.25	128	48	19.01	141.63	135.99	131.20
-4100 W	-250	tg97185	9.33	5297.10	0.51	-0.021	0.00	982,137.84	982138.63	6974140	509905	671.85	62	53	56.02	128	48	18.45	141.77	136.13	131.35
-4100 W	-225	tg97185	9.26	5297.03	0.49	-0.024	0.00	982,137.76	982138.65	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	982138.66	6974188	509921	673.08	62	53	57.55	128	48	17.33	141.68	136.04	131.24
-4100 W	-175	tg97185	8.47	5296.79	0.53	-0.040	0.00	982,137.50	982138.68	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	982138.69	6974235	509937	672.55	62	53	59.08	128	48	16.21	141.55	135.91	131.12
-4100 W	-150	tg97185	8.40	5296.91	0.29	-0.043	0.00	982,137.55	982138.69	6974235	509937	672.55	62	53	59.08	128	48	16.21	141.56	135.92	131.13
-4100 W	-125	tg97184	16.30	5296.73	0.46	0.000	0.00	982,137.45	982138.71	6974259	509945	672.98	62	53	59.85	128	48	15.65	141.54	135.90	131.10
-4100 W	-100	tg97184	16.20	5296.78	0.39	0.004	0.00	982,137.49	982138.72	6974282	509952	672.92	62	54	0.61	128	48	15.09	141.55	135.90	131.11
-4100 W	-75	tg97184	16.14	5296.76	0.46	0.006	0.00	982,137.49	982138.74	6974306	509960	673.02	62	54	1.38	128	48	14.53	141.55	135.91	131.12
-4100 W	-50	tg97184	16.08	5296.88	0.39	0.009	0.00	982,137.60	982138.76	6974330	509968	672.80	62	54	2.14	128	48	13.97	141.60	135.96	131.16
-4100 W	-25	tg97184	16.02	5296.99	0.49	0.011	0.00	982,137.75	982138.77	6974354	509976	672.23	62	54	2.91	128	48	13.41	141.61	135.97	131.18
-4100 W	0	tg97184	15.54	5297.20	0.47	0.016	0.00	982,137.96	982138.79	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	982138.79	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	982138.80	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	982138.82	6974425	509999	671.24	62	54	5.21	128	48	11.73	141.69	136.06	131.28
-4100 W	75	tg97199	8.27	5297.61	0.49	-0.027	0.00	982,138.22	982138.83	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	982138.85	6974472	510015	669.73	62	54	6.74	128	48	10.61	141.67	136.06	131.29
-4100 W	125	tg97199	8.36	5297.95	0.55	-0.023	0.00	982,138.60	982138.87	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	982,138.80	982138.88	6974520	510031	667.54	62	54	8.27	128	48	9.48	141.56	135.96	131.21
-4100 W	175	tg97199	8.48	5298.24	0.45	-0.017	0.00	982,138.88	982138.90	6974544	510039	666.83	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	982138.91	6974567	510046	665.24	62	54	9.81	128	48	8.36	141.51	135.93	131.19
-4100 W	225	tg97199	8.58	5298.84	0.54	-0.016	0.02	982,139.54	982138.93	6974591	510054	663.95	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	982138.94	6974615	510062	664.25	62	54	11.34	128	48	7.24	141.49	135.92	131.19
-4100 W	275	tg97199	9.09	5298.98	0.58	-0.007	0.00	982,139.71	982138.96	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	982138.97	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	982138.99	6974686	510086	660.79	62	54	13.64	128	48	5.56	141.51	135.97	131.26
-4100 W	350	tg97199	9.23	5299.84	0.55	-0.001	0.03	982,140.61	982139.01	6974710	510094	659.21	62	54	14.41	128	48	5.00	141.51	135.99	131.29
-4100 W	375	tg97199	9.30	5300.20	0.57	0.002	0.03	982,140.99	982139.02	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	982139.04	6974757	510109	656.04	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	982139.05	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	982139.07	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	982139.08	6974828	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	982139.10	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	982139.12	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	982139.13	6974900	510156	649.58	62	54	20.54	128	48	0.52	141.50	136.05	131.43
-4100 W	575	tg97199	10.15	5301.80	0.78	0.021	0.00	982,142.76	982139.15	6974923	510164	649.45	62	54	21.30	128	47	59.96	141.42	135.97	131.34
-4100 W	600	tg97199	10.20	5301.76	0.47	0.019	0.00	982,142.62	982139.16	6974947	510172	649.39	62	54	22.07	128	47	59.40	141.25	135.80	131.18
-4100 W	625	tg97199	10.25	5301.97	0.51	0.025	0.00	982,142.86	982139.18	6974971	510180	648.24	62	54	22.84	128	47	58.84	141.23	135.79	131.17
-4100 W	650	tg97199	10.30	5301.90	0.58	0.027	0.00	982,142.81	982139.19	6974995	510188	648.26	62	54	23.60	128	47	58.28	141.17	135.73	131.11
-4100 W	675	tg97199	10.40	5302.01	0.59	0.031	0.02	982,142.93	982139.21	6975018	510195	647.70	62	54	24.37	128	47	57.72	141.18	135.75	131.14
-4100 W	700	tg97199	10.45	5302.16	0.64	0.033	0.02	982,143.11	982139.23	6975042	510203	647.03	62	54	25.14	128	47	57.16	141.20	135.77	131.16
-4100 W	725	tg97199	10.52	5302.35	0.47	0.034	0.02	982,143.26	982139.24	6975066	510211	645.93	62	54	25.90	128	47	56.60	141.10	135.68	131.08
-4100 W	750	tg97199	10.58	5302.59	0.55	0.034	0.03	982,143.53	982139.26	6975090	510219	644.60	62	54	26.67	128	47	56.04	141.09	135.68	131.09
-4100 W	775	tg97199	11.03	5302.90	0.53	0.038	0.06	982,143.86	982139.27	6975113	510227	642.86	62	54	27.43	128	47	55.48	141.06	135.68	131.10
-4100 W	800	tg97199	11.10	5303.28	0.57	0.040	0.02	982,144.27	982139.29	6975137	510235	641.01	62	54	28.20	128	47	54.92	141.02	135.65	131.08
-4100 W	825	tg97199	11.15	5303.42	0.43	0.042	0.02	982,144.38	982139.30	6975161	510242	640.42	62	54	28.97	128	47	54.36	140.99	135.62	131.06
-4100 W	850	tg97199	11.20	5303.93	0.56	0.040	0.03	982,144.95	982139.32	6975185	510250	637.95	62	54	29.73	128	47	53.80	141.03	135.69	131.14
-4300 W	-1025	tg97185	12.46	5297.43	0.54	0.046	0.00	982,138.26	982138.19	6973467	509473	671.21	62	53	34.31	128	48	49.24	142.50	136.87	132.08
-4300 W	-1000	tg97185	12.50	5297.42	0.54	0.047	0.00	982,138.25	982138.20	6973491	509480	670.89	62	53	35.07	128	48	48.68	142.40	136.78	132.00

-4300	W	-975	tg97185	13.06	5297.41	0.56	0.049	0.00	982,138.25	982138.22	6973514	509488	670.25	62	53	35.84	128	48	48.12	142.25	136.63	131.85
-4300	W	-950	tg97185	13.13	5297.59	0.51	0.049	0.00	982,138.42	982138.23	6973538	509496	669.11	62	53	36.60	128	48	47.56	142.16	136.55	131.79
-4300	W	-925	tg97185	13.20	5297.41	0.50	0.050	0.00	982,138.23	982138.25	6973562	509504	669.52	62	53	37.37	128	48	47.00	142.04	136.43	131.66
-4300	W	-900	tg97185	13.26	5297.45	0.54	0.050	0.00	982,138.29	982138.26	6973585	509512	669.04	62	53	38.14	128	48	46.44	141.96	136.37	131.60
-4300	W	-875	tg97185	13.32	5297.49	0.50	0.050	0.00	982,138.32	982138.28	6973609	509520	668.72	62	53	38.90	128	48	45.88	141.93	136.32	131.55
-4300	W	-850	tg97185	13.38	5297.58	0.51	0.050	0.00	982,138.41	982138.30	6973633	509528	668.03	62	53	39.67	128	48	45.32	141.86	136.26	131.50
-4300	W	-825	tg97185	13.43	5297.62	0.63	0.050	0.00	982,138.49	982138.31	6973657	509535	667.64	62	53	40.44	128	48	44.76	141.84	136.25	131.49
-4300	W	-800	tg97185	13.49	5297.73	0.61	0.050	0.00	982,138.60	982138.33	6973680	509543	668.90	62	53	41.20	128	48	44.20	141.78	136.19	131.44
-4300	W	-775	tg97186	8.12	5297.74	0.52	-0.063	0.00	982,138.44	982138.34	6973704	509551	667.29	62	53	41.97	128	48	43.64	141.69	136.10	131.34
-4300	W	-750	tg97186	8.19	5297.75	0.60	-0.061	0.00	982,138.48	982138.36	6973728	509559	666.89	62	53	42.73	128	48	43.08	141.63	136.04	131.28
-4300	W	-725	tg97186	8.24	5297.89	0.52	-0.060	0.00	982,138.61	982138.37	6973752	509567	666.23	62	53	43.50	128	48	42.52	141.59	136.01	131.26
-4300	W	-700	tg97186	8.31	5297.89	0.65	-0.058	0.00	982,138.65	982138.39	6973775	509575	666.15	62	53	44.27	128	48	41.96	141.60	136.02	131.27
-4300	W	-675	tg97186	17.15	5297.94	0.56	0.003	0.00	982,138.73	982138.41	6973799	509582	665.83	62	53	45.03	128	48	41.40	141.60	136.02	131.28
-4300	W	-675	tg97186	8.37	5297.98	0.62	-0.056	0.00	982,138.74	982138.41	6973799	509582	665.83	62	53	45.03	128	48	41.40	141.61	136.03	131.28
-4300	W	-675	tg97187	8.04	5298.02	0.65	-0.071	0.00	982,138.76	982138.41	6973799	509582	665.83	62	53	45.03	128	48	41.40	141.64	136.05	131.31
-4300	W	-650	tg97186	8.43	5298.18	0.62	-0.054	0.00	982,138.95	982138.42	6973823	509590	665.13	62	53	45.80	128	48	40.84	141.66	136.08	131.34
-4300	W	-625	tg97186	8.49	5298.19	0.63	-0.051	0.00	982,138.96	982138.44	6973847	509598	664.53	62	53	46.57	128	48	40.28	141.53	135.96	131.22
-4300	W	-600	tg97186	8.55	5298.29	0.59	-0.051	0.00	982,139.06	982138.45	6973870	509606	664.76	62	53	47.33	128	48	39.72	141.66	136.08	131.34
-4300	W	-575	tg97186	9.00	5298.32	0.48	-0.048	0.00	982,139.06	982138.47	6973894	509614	664.67	62	53	48.10	128	48	39.16	141.62	136.05	131.31
-4300	W	-550	tg97186	9.09	5298.44	0.60	-0.044	0.00	982,139.22	982138.48	6973918	509622	664.09	62	53	48.87	128	48	38.60	141.65	136.08	131.35
-4300	W	-525	tg97186	9.16	5298.55	0.56	-0.042	0.00	982,139.33	982138.50	6973942	509629	663.85	62	53	49.63	128	48	38.04	141.69	136.12	131.39
-4300	W	-500	tg97186	9.21	5298.72	0.54	-0.041	0.00	982,139.50	982138.52	6973965	509637	663.11	62	53	50.40	128	48	37.48	141.69	136.13	131.40
-4300	W	-475	tg97186	9.27	5298.76	0.60	-0.038	0.00	982,139.57	982138.53	6973989	509645	662.78	62	53	51.16	128	48	36.92	141.67	136.11	131.39
-4300	W	-475	tg97186	17.06	5298.74	0.59	0.007	0.00	982,139.58	982138.53	6973989	509645	662.78	62	53	51.16	128	48	36.92	141.68	136.13	131.40
-4300	W	-475	tg97187	8.28	5298.84	0.52	-0.068	0.00	982,139.59	982138.53	6973989	509645	662.78	62	53	51.16	128	48	36.92	141.69	136.14	131.41
-4300	W	-450	tg97186	9.33	5298.79	0.55	-0.036	0.00	982,139.58	982138.55	6974013	509653	662.67	62	53	51.93	128	48	36.36	141.65	136.09	131.37
-4300	W	-425	tg97186	9.44	5299.11	0.52	-0.031	0.00	982,139.92	982138.56	6974037	509661	661.22	62	53	52.70	128	48	35.80	141.65	136.11	131.40
-4300	W	-400	tg97186	9.49	5299.55	0.48	-0.029	0.00	982,140.37	982138.58	6974060	509669	659.49	62	53	53.46	128	48	35.24	141.72	136.19	131.50
-4300	W	-400	tg97187	8.34	5299.61	0.57	-0.064	0.00	982,140.42	982138.58	6974060	509669	659.49	62	53	53.46	128	48	35.24	141.77	136.24	131.54
-4300	W	-375	tg97186	9.59	5299.17	0.63	-0.029	0.00	982,140.02	982138.59	6974084	509676	661.32	62	53	54.23	128	48	34.68	141.74	136.20	131.49
-4300	W	-350	tg97186	10.05	5299.22	0.56	-0.023	0.00	982,140.05	982138.61	6974108	509684	661.39	62	53	55.00	128	48	34.12	141.78	136.23	131.52
-4300	W	-350	tg97186	16.55	5299.19	0.58	0.012	0.00	982,140.05	982138.61	6974108	509684	661.39	62	53	55.00	128	48	34.12	141.78	136.24	131.52
-4300	W	-325	tg97186	10.11	5299.42	0.63	-0.021	0.00	982,140.29	982138.62	6974131	509692	660.32	62	53	55.76	128	48	33.56	141.77	136.24	131.53
-4300	W	-300	tg97186	16.48	5299.30	0.57	0.013	0.00	982,140.17	982138.64	6974155	509700	660.88	62	53	56.53	128	48	33.00	141.76	136.22	131.51
-4300	W	-300	tg97186	10.17	5299.32	0.61	-0.018	0.00	982,140.18	982138.64	6974155	509700	660.88	62	53	56.53	128	48	33.00	141.77	136.22	131.51
-4300	W	-300	tg97187	8.44	5299.39	0.57	-0.062	0.00	982,140.19	982138.64	6974155	509700	660.88	62	53	56.53	128	48	33.00	141.78	136.24	131.53
-4300	W	-275	tg97186	10.22	5299.50	0.57	-0.016	0.00	982,140.36	982138.66	6974179	509708	660.22	62	53	57.29	128	48	32.44	141.79	136.25	131.55
-4300	W	-250	tg97186	10.28	5299.56	0.63	-0.014	0.00	982,140.44	982138.67	6974203	509716	659.78	62	53	58.06	128	48	31.88	141.76	136.23	131.53
-4300	W	-225	tg97186	10.34	5299.56	0.49	-0.011	0.00	982,140.40	982138.69	6974226	509723	660.13	62	53	58.83	128	48	31.32	141.78	136.25	131.54
-4300	W	-200	tg97186	10.41	5299.45	0.53	-0.009	0.00	982,140.30	982138.70	6974250	509731	660.68	62	53	59.59	128	48	30.76	141.78	136.24	131.53
-4300	W	-200	tg97187	8.50	5299.50	0.56	-0.061	0.00	982,140.30	982138.70	6974250	509731	660.68	62	53	59.59	128	48	30.76	141.78	136.25	131.54
-4300	W	-175	tg97186	10.46	5299.43	0.44	-0.007	0.00	982,140.25	982138.72	6974274	509739	660.94	62	54	0.35	128	48	30.20	141.77	136.23	131.52
-4300	W	-150	tg97186	10.57	5299.47	0.58	-0.005	0.00	982,140.34	982138.73	6974298	509747	660.66	62	54	1.12	128	48	29.64	141.79	136.25	131.54
-4300	W	-125	tg97186	11.03	5299.39	0.51	0.000	0.00	982,140.24	982138.75	6974321	509755	660.96	62	54	1.89	128	48	29.08	141.73	136.19	131.48
-4300	W	-100	tg97186	11.09	5299.44	0.55	0.003	0.00	982,140.31	982138.77	6974345	509763	660.70	62	54	2.65	128	48	28.52	141.73	136.19	131.48
-4300	W	-75	tg97186	11.14	5299.52	0.50	0.005	0.00	982,140.38	982138.78	6974369	509770	660.19	62	54	3.42	128	48	27.96	141.68	136.14	131.44
-4300	W	-75	tg97186	16.39	5299.52	0.59	0.016	0.00	982,140.41	982138.78	6974369	509770	660.19	62	54	3.42	128	48	27.96	141.71	136.18	131.47
-4300	W	-50	tg97186	11.20	5299.56	0.48	0.003	0.00	982,140.41	982138.80	6974393	509778	660.06	62	54	4.19	128	48	27.40	141.67	136.13	131.43
-4300	W	-25	tg97186	11.26	5299.53	0.45	0.009	0.00	982,140.38	982138.81	6974416	509786	660.00	62	54	4.95	128	48	26.84	141.61	136.07	131.37
-4300	W	0	tg97186	16.33	5299.40	0.61	0.018	0.00	982,140.30	982138.83	6974440	509794	660.35	62	54	5.72	128	48	26.28	141.58	136.05	131.34
-4300	W	0	tg97186	11.32	5299.42	0.56	0.012	0.00	982,140.30	982138.83	6974440	509794	660.35	62	54	5.72	128	48	26.28	141.58	136.05	131.34
-4300	W	0	tg97199	11.45	5299.54	0.45	0.048	0.00	982,140.32	982138.83	6974440	509794	660.35	62	54	5.72	128	48	26.28	141.60	136.07	131.36
-4300	W	25	tg97187	11.05	5299.21	0.61	-0.016	0.00	982,140.06	982138.84	6974464	509802	661.33	62	54	6.49	128	48	25.72	141.54	135.99	131.28
-4300	W	50	tg97187	11.01	5299.19	0.47	-0.018	0.00	982,139.99	982138.86	6974488	509810	661.86	62	54	7.25	128	48	25.16	141.57	136.02	131.30
-4300	W	75	tg97187	10.55	5299.04	0.63	-0.021	0.03	982,139.88	982138.88	6974511	509817	660.32	62	54	8.02	128	48	24.60	141.15	135.62	130.91
-4300	W	100	tg97187	10.51	5298.91	0.55	-0.021	0.00	982,139.72	982138.89	6974535	509825	661.08	62	54	8.78	128	48	24.04	141.10	135.56	130.85
-4300	W	125	tg97187	10.46	5299.05	0.59	-0.023	0.00	982,139.88	982138.91	6974559	509833	660.46	62	54	9.55	128	48	23.48	141.11	135.57	130.87
-4300	W	150	tg97187	10.30	5299.11	0.62	-0.029	0.03	982,139.94	982138.92	6974583	509841	660.16	62	54	10.32	128	48	22.92	141.13	135.60	130.90
-4300	W	175	tg97187	10.25	5299.33	0.61	-0.031	0.06	982,140.17	982138.94	6974606	509849	658.94	62	54	11.09	128	48	22.36	141.12	135.60	130.91
-4300	W	200	tg97187	10.19	5299.88	0.59	-0.032	0.08	982,140.74	982138.95	6974630	509857	656.16	62	54	11.85	128	48	21.80	141.11	135.61	130.94
-4300	W	225	tg97187	10.12	5300.75	0.61	-0.035	0.11	982,141.66	982138.97	6974654	509865	651.60	62	54	12.62	128	48	21.24	141.07	135.62	130.99
-4300	W	250	tg97187	10.06	5301.07	0.57	-0.037	0.03	982,141.98	982138.99	6974677	509872	650.05	62	54	13.39	128	48	20.68	140.96	135.51	130.88

-4300 W	275	tg97187	10.00	5301.40	0.62	-0.039	0.04	982,142.34	982139.00	6974701	509880	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	509888	648.19	62	54	14.92	128	48	19.56	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	509896	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	509904	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	509912	645.87	62	54	17.22	128	48	17.88	141.01	135.59	130.99
-4300 W	400	tg97187	9.30	5302.36	0.49	-0.049	0.00	982,143.30	982139.08	6974820	509919	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	509927	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	509935	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	509943	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	509951	640.91	62	54	21.05	128	48	15.07	140.98	135.61	131.04
-4300 W	500	tg97186	16.18	5303.06	0.64	0.024	0.00	982,144.16	982139.14	6974915	509951	640.91	62	54	21.05	128	48	15.07	141.00	135.63	131.06
-4300 W	525	tg97186	16.12	5303.34	0.47	0.025	0.00	982,144.40	982139.16	6974939	509959	639.84	62	54	21.82	128	48	14.51	141.01	135.64	131.08
-4300 W	550	tg97186	16.07	5303.43	0.48	0.027	0.00	982,144.50	982139.17	6974962	509966	639.18	62	54	22.58	128	48	13.95	140.95	135.59	131.04
-4300 W	575	tg97186	16.01	5303.56	0.58	0.029	0.00	982,144.67	982139.19	6974986	509974	638.07	62	54	23.35	128	48	13.39	140.87	135.52	130.97
-4300 W	600	tg97186	15.55	5303.97	0.57	0.031	0.00	982,145.10	982139.20	6975010	509982	635.81	62	54	24.11	128	48	12.83	140.80	135.47	130.94
-4300 W	625	tg97186	15.50	5304.14	0.57	0.031	0.00	982,145.28	982139.22	6975034	509990	634.82	62	54	24.88	128	48	12.27	140.76	135.43	130.91
-4300 W	650	tg97186	15.41	5304.07	0.55	0.034	0.03	982,145.20	982139.24	6975057	509998	634.62	62	54	25.65	128	48	11.71	140.65	135.34	130.82
-4300 W	675	tg97186	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	tg97186	15.31	5304.26	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	tg97186	15.26	5304.53	0.52	0.037	0.00	982,145.68	982139.28	6975129	510021	631.83	62	54	27.95	128	48	10.03	140.46	135.16	130.66
-4300 W	750	tg97186	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	tg97186	15.17	5305.02	0.50	0.039	0.00	982,146.19	982139.31	6975176	510037	629.26	62	54	29.48	128	48	8.91	140.39	135.12	130.63
-4300 W	800	tg97186	15.12	5305.20	0.47	0.040	0.00	982,146.37	982139.33	6975200	510045	628.16	62	54	30.24	128	48	8.35	140.32	135.06	130.58
-4300 W	825	tg97186	15.07	5305.40	0.55	0.040	0.00	982,146.60	982139.35	6975224	510053	626.87	62	54	31.01	128	48	7.78	140.27	135.02	130.55
-4300 W	850	tg97186	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	tg97186	14.56	5305.87	0.52	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	tg97186	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	130.46
-4300 W	925	tg97186	14.45	5306.33	0.35	0.043	0.00	982,147.52	982139.41	6975318	510084	621.96	62	54	34.08	128	48	5.54	140.09	134.87	130.44
-4300 W	950	tg97186	14.41	5306.63	0.46	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	tg97186	14.36	5306.74	0.43	0.043	0.00	982,147.98	982139.44	6975366	510100	618.93	62	54	35.61	128	48	4.42	139.87	134.68	130.27
-4300 W	1000	tg97186	14.31	5307.07	0.51	0.044	0.00	982,148.35	982139.46	6975390	510107	616.99	62	54	36.37	128	48	3.86	139.81	134.64	130.24
-4300 W	1025	tg97186	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	tg97186	14.19	5307.61	0.51	0.044	0.03	982,148.92	982139.49	6975437	510123	614.46	62	54	37.91	128	48	2.74	139.85	134.70	130.32
-4300 W	1075	tg97186	14.08	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	tg97186	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	tg97186	13.31	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	tg97186	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	139.90	134.77	130.41
-4300 W	1150	tg97186	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	tg97186	13.46	5308.44	0.59	0.044	0.00	982,149.82	982139.56	6975556	510162	611.16	62	54	41.74	128	47	59.94	139.93	134.81	130.45
-4300 W	1200	tg97186	13.49	5308.70	0.50	0.044	0.00	982,150.06	982139.58	6975580	510170	610.34	62	54	42.50	128	47	59.38	139.99	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	2.08	142.88	137.26	132.48
-4500 W	-975	tg97187	15.23	5298.22	0.58	0.033	0.00	982,139.06	982138.26	6973577	509299	669.72	62	53	37.88	128	49	1.52	142.90	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	666.88	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	666.34	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	666.20	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	666.01	62	53	42.47	128	48	58.16	142.30	136.71	131.97
-4500 W	-800	tg97187	14.32	5298.63	0.51	0.035	0.00	982,139.47	982138.37	6973743	509354	665.23	62	53	43.24	128	48	57.60	142.25	136.68	131.94
-4500 W	-775	tg97187	14.27	5298.72	0.58	0.035	0.00	982,139.59	982138.38	6973767	509362	664.41	62	53	44.01	128	48	57.04	142.18	136.61	131.88
-4500 W	-750	tg97187	14.20	5298.77	0.54	0.035	0.00	982,139.63	982138.40	6973790	509369	663.91	62	53	44.77	128	48	56.48	142.10	136.53	131.80
-4500 W	-725	tg97187	14.14	5298.85	0.59	0.034	0.00	982,139.73	982138.42	6973814	509377	663.25	62	53	45.54	128	48	55.92	142.04	136.48	131.75
-4500 W	-700	tg97187	14.10	5299.01	0.52	0.034	0.00	982,139.87	982138.43	6973838	509385	662.57	62	53	46.31	128	48	55.36	142.03	136.47	131.75
-4500 W	-675	tg97187	14.05	5299.40	0.48	0.034	0.01	982,140.27	982138.45	6973862	509393	660.83	62	53	47.07	128	48	54.80	142.05	136.51	131.80
-4500 W	-650	tg97187	14.00	5299.59	0.57	0.033	0.00	982,140.50	982138.46	6973885	509401	659.83	62	53	47.84	128	48	54.24	142.04	136.51	131.81
-4500 W	-625	tg97187	13.54	5299.56	0.57	0.032	0.02	982,140.46	982138.48	6973909	509409	659.74	62	53	48.60	128	48	53.68	142.00	136.47	131.77
-4500 W	-600	tg97187	13.49	5299.93	0.45	0.032	0.00	982,140.82	982138.49	6973933	509416	658.32	62	53	49.37	128	48	53.12	142.01	136.49	131.80
-4500 W	-575	tg97187	13.42	5300.09	0.54	0.030	0.01	982,141.01	982138.51	6973957	509424	657.59	62	53	50.14	128	48	52.56	142.04	136.53	131.84
-4500 W	-550	tg97187	13.34	5299.72	0.61	0.029	0.06	982,140.64	982138.53	6973980	509432	658.74	62	53	50.90	128	48	52.00	141.96	136.44	131.75
-4500 W	-525	tg97187	13.28	5300.42	0.62	0.028	0.03	982,141.38	982138.54	6974004	509440	655.59	62	53	51.67	128	48	51.44	141.98	136.48	131.81
-4500 W	-500	tg97187	13.23	5300.58	0.56	0.027	0.01	982,141.53	982138.56	6974028	509448	654.71	62	53	52.44	128	48	50.88	141.90	136.41	131.75
-4500 W	-475	tg97187	13.17	5300.91	0.53	0.025	0.04	982,141.86	982138.57	6974052	509456	652.88	62	53	53.20	128	48	50.32	141.87	136.40	131.75

-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	136.46	131.84
-4500 W	-425	tg97187	13.00	5300.74	0.64	0.022	0.03	982,141.71	982138.60	6974099	509471	653.41	62	53	54.74	128	48	49.20	141.79	136.31	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	136.26	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	136.19	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	136.18	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	46.96	141.69	136.25	131.63
-4500 W	-300	tg97187	12.16	5301.45	0.53	0.009	0.00	982,142.41	982138.68	6974218	509511	650.04	62	53	58.57	128	48	46.40	141.66	136.21	131.58
-4500 W	-275	tg97187	12.10	5301.26	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	136.19	131.55
-4500 W	-250	tg97187	12.05	5301.43	0.64	0.006	0.00	982,142.42	982138.71	6974265	509526	650.18	62	54	0.09	128	48	45.28	141.67	136.21	131.58
-4500 W	-225	tg97187	11.59	5301.62	0.42	0.001	0.00	982,142.55	982138.73	6974289	509534	649.34	62	54	0.86	128	48	44.72	141.60	136.15	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	136.30	131.69
-4500 W	-175	tg97187	11.51	5301.87	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	136.20	131.58
-4500 W	-150	tg97187	11.47	5301.90	0.59	-0.000	0.00	982,142.89	982138.78	6974360	509558	648.09	62	54	3.16	128	48	43.04	141.63	136.20	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	136.16	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	136.11	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	136.25	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	136.25	131.64
-4500 W	-25	tg97187	11.19	5301.95	0.63	-0.010	0.07	982,142.95	982138.85	6974479	509597	648.09	62	54	6.99	128	48	40.24	141.69	136.26	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	136.19	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	136.23	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	136.12	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	136.09	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	136.01	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	135.95	131.35
-4500 W	125	tg97199	12.21	5302.50	0.60	0.053	0.01	982,143.46	982138.95	6974621	509644	644.84	62	54	11.59	128	48	36.88	141.37	135.96	131.37
-4500 W	150	tg97199	12.26	5302.83	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	35.76	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	982139.06	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	509708	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	31.26	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	131.84
-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	27.36	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	26.80	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	6975096	509800	630.12	62	54	26.92	128	48	25.68	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	135.98	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	5306.15	0.66	0.042	0.00	982,147.33	982139.31	6975167	509824	628.06	62	54	29.22	128	48	24.00	141.28	136.02	131.54
-4500 W	725	tg97199	14.19	5306.35	0.58	0.040	0.00	982,147.51	982139.32	6975191	509832	627.40	62	54	29.98	128	48	23.44	141.31	136.05	131.58
-4500 W	750	tg97199	14.23	5306.54	0.51	0.039	0.00	982,147.69	982139.34	6975215	509840	626.79	62	54	30.75	128	48	22.88	141.34	136.09	131.62
-4500 W	775	tg97199	14.29	5306.83	0.54	0.037	0.07	982,148.00	982139.36	6975239	509848	625.95	62	54	31.52	128	48	22.32	141.54	136.30	131.85
-4500 W	800	tg97199	14.36	5307.24	0.47	0.035	0.00	982,148.41	982139.37	6975262	509855	623.62	62	54	32.28	128	48	21.76	141.36	136.13	131.69
-4500 W	825	tg97199	14.56	5307.40	0.59	0.031	0.03	982,148.61	982139.39	6975286	509863	622.07	62	54	33.05	128	48	21.20	141.25	136.04	131.61
-4500 W	850	tg97199	15.04	5307.28	0.47	0.026	0.01	982,148.44	982139.40	6975310	509871	621.44	62	54	33.82	128	48	20.64	140.91	135.70	131.27
-4500 W	875	tg97199	15.09	5307.45	0.57	0.024	0.00	982,148.65	982139.42	6975334	509879	620.10	62	54	34.58	128	48	20.08	140.81	135.61	131.19
-4500 W	900	tg97199	15.16	5307.69	0.51	0.022	0.00	982,148.88	982139.43	6975357	509887	618.66	62	54	35.35	128	48	19.51	140.72	135.53	131.12
-4500 W	925	tg97199	15.22	5307.82	0.56	0.019	0.00	982,149.03	982139.45	6975381	509895	617.83	62	54	36.12	128	48	18.95	140.68	135.50	131.09
-4500 W	950	tg97199	15.27	5308.05	0.66	0.017	0.01	982,149.30	982139.47	6975405	509902	616.59	62	54	36.88	128	48	18.39	140.68	135.51	131.12
-4500 W	975	tg97199	15.32	5308.28	0.55	0.014	0.02	982,149.51	982139.48	6975428	509910	615.39	62	54	37.65	128	48	17.83	140.63	135.47	131.08
-4500 W	1000	tg97199	15.37	5308.13	0.52	0.012	0.01	982,149.34	982139.50	6975452	509918	615.73	62	54	38.41	128	48	17.27	140.50	135.34	130.95
-4700 W	-1035	tg97187	15.45	5299.22	0.60	0.030	0.00	982,140.12	982138.26	6973580	509095	669.19	62	53	38.01	128	49	15.97	143.84	138.23	133.47
-4700 W	-1025	tg97187	16.51	5299.23	0.64	0.015	0.00	982,140.12	982138.27	6973590	509098	668.63	62	53	38.32	128	49	15.75	143.73	138.12	133.36

-4700 W	-1025	tg97187	15.52	5299.24	0.59	0.029	0.00	982,140.13	982138.27	6973590	509098	668.63	62	53	38.32	128	49	15.75	143.74	138.13	133.37
-4700 W	-1025	gt97188	7.56	5299.30	0.65	-0.073	0.00	982,140.14	982138.27	6973590	509098	668.63	62	53	38.32	128	49	15.75	143.74	138.14	133.37
-4700 W	-1000	gt97188	8.05	5299.44	0.48	-0.072	0.00	982,140.23	982138.28	6973614	509106	667.04	62	53	39.09	128	49	15.19	143.48	137.89	133.14
-4700 W	-975	tg97187	15.59	5299.37	0.41	0.029	0.00	982,140.21	982138.30	6973638	509113	668.14	62	53	39.86	128	49	14.64	143.68	138.08	133.32
-4700 W	-950	tg97187	16.04	5299.49	0.54	0.026	0.00	982,140.38	982138.32	6973661	509121	667.24	62	53	40.62	128	49	14.09	143.64	138.05	133.29
-4700 W	-950	gt97188	8.11	5299.60	0.49	-0.071	0.00	982,140.40	982138.32	6973661	509121	667.24	62	53	40.62	128	49	14.09	143.67	138.07	133.32
-4700 W	-925	tg97187	16.10	5299.43	0.60	0.025	0.00	982,140.33	982138.33	6973685	509129	667.21	62	53	41.39	128	49	13.54	143.57	137.98	133.22
-4700 W	-925	gt97188	8.17	5299.53	0.60	-0.070	0.00	982,140.37	982138.33	6973685	509129	667.21	62	53	41.39	128	49	13.54	143.61	138.01	133.26
-4700 W	-900	tg97187	16.15	5299.37	0.65	0.024	0.00	982,140.28	982138.35	6973709	509137	667.43	62	53	42.16	128	49	12.99	143.55	137.96	133.20
-4700 W	-875	gt97188	8.24	5299.54	0.52	-0.069	0.01	982,140.35	982138.36	6973733	509144	666.75	62	53	42.93	128	49	12.43	143.47	137.89	133.13
-4700 W	-875	tg97187	16.20	5299.45	0.62	0.023	0.01	982,140.36	982138.36	6973733	509144	666.75	62	53	42.93	128	49	12.43	143.48	137.89	133.14
-4700 W	-850	tg97187	16.25	5299.34	0.61	0.022	0.02	982,140.24	982138.38	6973756	509152	667.01	62	53	43.69	128	49	11.88	143.41	137.82	133.07
-4700 W	-825	tg97187	16.31	5299.41	0.41	0.020	0.03	982,140.25	982138.39	6973780	509160	666.80	62	53	44.46	128	49	11.33	143.33	137.74	133.00
-4700 W	-800	gt97188	8.32	5299.59	0.59	-0.068	0.03	982,140.43	982138.41	6973804	509168	665.43	62	53	45.23	128	49	10.78	143.25	137.67	132.93
-4700 W	-775	gt97188	8.53	5299.68	0.52	-0.065	0.03	982,140.50	982138.43	6973828	509175	664.81	62	53	46.00	128	49	10.23	143.17	137.60	132.87
-4700 W	-750	gt97188	8.58	5299.91	0.41	-0.065	0.02	982,140.71	982138.44	6973852	509183	663.16	62	53	46.76	128	49	9.67	143.00	137.45	132.72
-4700 W	-725	gt97188	9.09	5300.05	0.50	-0.061	0.06	982,140.89	982138.46	6973875	509191	661.99	62	53	47.53	128	49	9.12	142.96	137.42	132.71
-4700 W	-700	gt97188	9.17	5300.19	0.53	-0.060	0.06	982,141.04	982138.47	6973899	509198	660.99	62	53	48.30	128	49	8.57	142.89	137.36	132.65
-4700 W	-675	gt97188	9.23	5300.46	0.59	-0.058	0.08	982,141.35	982138.49	6973923	509206	659.05	62	53	49.07	128	49	8.02	142.79	137.27	132.58
-4700 W	-650	gt97188	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	gt97188	9.33	5301.04	0.56	-0.056	0.02	982,141.95	982138.52	6973970	509222	656.03	62	53	50.60	128	49	6.91	142.65	137.15	132.48
-4700 W	-600	gt97188	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	6.36	142.55	137.06	132.40
-4700 W	-575	gt97188	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	132.29
-4700 W	-550	gt97188	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	gt97188	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	gt97188	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	gt97188	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	gt97188	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	gt97188	10.15	5302.19	0.46	-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	gt97188	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	gt97188	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	gt97188	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	gt97188	10.42	5302.68	0.56	-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	gt97188	10.46	5303.20	0.59	-0.036	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	gt97188	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	gt97188	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	gt97188	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	141.96	136.56	131.97
-4700 W	-175	gt97188	11.10	5303.48	0.57	-0.029	0.08	982,144.54	982138.80	6974398	509361	641.67	62	54	4.41	128	48	56.98	141.98	136.61	132.05
-4700 W	-150	gt97188	11.16	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	gt97188	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	gt97188	11.27	5304.66	0.40	-0.023	0.01	982,145.74	982138.85	6974470	509384	636.66	62	54	6.71	128	48	55.33	141.99	136.65	132.11
-4700 W	-75	gt97188	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	gt97188	11.38	5304.76	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	gt97188	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	0.85	-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 W	0	tg97199	7.52	5304.15	0.78	-0.043	0.01	982,145.16	982138.91	6974565	509415	640.73	62	54	9.78	128	48	53.12	142.21	136.84	132.28
-4700 W	0	tg97200	10.22	5304.12	0.79	0.005	0.01	982,145.18	982138.91	6974565	509415	640.73	62	54	9.78	128	48	53.12	142.23	136.86	132.29
-4700 W	0	gt97188	11.50	5303.97	0.93	-0.016	0.01	982,145.18	982138.91	6974565	509415	640.73	62	54	9.78	128	48	53.12	142.23	136.86	132.30
-4700 W	25	tg97200	10.26	5304.01	0.72	0.006	0.01	982,145.04	982138.93	6974589	509422	641.33	62	54	10.56	128	48	52.56	142.21	136.83	132.26
-4700 W	50	tg97200	10.33	5304.02	0.71	0.010	0.05	982,145.05	982138.94	6974612	509430	640.98	62	54	11.32	128	48	52.01	142.17	136.80	132.24
-4700 W	75	tg97200	10.39	5304.77	0.53	0.013	0.03	982,145.79	982138.96	6974636	509438	636.92	62	54	12.09	128	48	51.46	142.01	136.67	132.13
-4700 W	100	tg97200	10.44	5305.17	0.52	0.015	0.01	982,146.21	982138.97	6974660	509446	633.88	62	54	12.86	128	48	50.91	141.74	136.43	131.91
-4700 W	125	tg97200	10.50	5305.65	0.36	0.017	0.03	982,146.66	982138.99	6974684	509453	630.97	62	54	13.63	128	48	50.36	141.59	136.30	131.81
-4700 W	150	tg97200	10.55	5305.78	0.52	0.017	0.02	982,146.85	982139.01	6974707	509461	630.02	62	54	14.39	128	48	49.80	141.55	136.27	131.78
-4700 W	175	tg97200	10.59	5305.68	0.54	0.017	0.02	982,146.75	982139.02	6974731	509469	630.87	62	54	15.16	128	48	49.25	141.61	136.33	131.83
-4700 W	200	tg97200	11.06	5304.75	0.62	0.023	0.09	982,145.80	982139.04	6974755	509477	635.57	62	54	15.93	128	48	48.70	141.73	136.41	131.89
-4700 W	225	tg97200	11.10	5304.62	0.64	0.025	0.05	982,145.67	982139.05	6974779	509484	636.67	62	54	16.70	128	48	48.15	141.77	136.44	131.90

-4700	W	250	tg97200	11.16	5304.68	0.58	0.027	0.05	982,145.72	982139.07	6974803	509492	636.77	62	54	17.46	128	48	47.60	141.82	136.49	131.96
-4700	W	275	tg97200	11.30	5304.64	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	136.40	131.88
-4700	W	300	tg97200	11.34	5304.68	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	136.12	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	135.63	131.15
-4700	W	350	tg97200	11.46	5305.90	0.54	0.037	0.13	982,147.00	982139.13	6974896	509523	627.32	62	54	20.53	128	48	45.39	141.12	135.88	131.42
-4700	W	375	tg97200	11.51	5306.41	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	5306.66	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	136.08	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	136.07	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	136.03	131.60
-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	136.00	131.56
-4700	W	550	tg97200	12.21	5307.10	0.71	0.046	0.01	982,148.32	982139.26	6975088	509585	622.78	62	54	26.67	128	48	40.97	141.22	136.00	131.56
-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	135.96	131.53
-4700	W	600	tg97200	12.28	5307.29	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	12.36	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	5307.69	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	5308.17	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	982,149.65	982139.43	6975349	509670	616.46	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	tg97198	7.39	5298.77	0.48	-0.029	0.09	982,139.41	982138.31	6973652	508908	674.22	62	53	40.33	128	49	29.20	144.26	138.61	133.82
-4900	W	-1025	tg97197	16.16	5298.78	0.49	-0.037	0.09	982,139.42	982138.31	6973652	508908	674.22	62	53	40.33	128	49	29.20	144.27	138.63	133.83
-4900	W	-1025	tg97189	13.02	5298.70	0.63	-0.011	0.09	982,139.43	982138.31	6973652	508908	674.22	62	53	40.33	128	49	29.20	144.28	138.63	133.84
-4900	W	-1025	tg97188	16.25	5298.72	0.51	0.017	0.09	982,139.43	982138.31	6973652	508908	674.22	62	53	40.33	128	49	29.20	144.28	138.64	133.84
-4900	W	-1000	tg97188	16.17	5298.95	0.50	0.018	0.06	982,139.67	982138.33	6973676	508915	672.91	62	53	41.10	128	49	28.65	144.20	138.56	133.77
-4900	W	-1000	tg97188	16.33	5298.96	0.50	0.015	0.06	982,139.67	982138.33	6973676	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	6973699	508923	671.42	62	53	41.87	128	49	28.10	144.10	138.47	133.69
-4900	W	-975	tg97188	16.41	5299.18	0.59	0.014	0.05	982,139.93	982138.34	6973699	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	982138.36	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	144.06	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	15.46	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	133.66
-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	5302.08	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	128	49	19.82	142.90	137.44	132.79
-4900	W	-575	tg97188	14.19	5302.47	0.47	0.020	0.00	982,143.43	982138.59	6974080	509047	650.82	62	53	54.15	128	49	19.27	142.93	137.47	132.83
-4900	W	-550	tg97188	14.13	5302.50	0.59	0.019	0.00	982,143.50	982138.61	6974104	509055	650.69	62	53	54.92	128	49	18.72	142.96	137.50	132.86
-4900	W	-525	tg97188	14.09	5302.58	0.61	0.019	0.00	982,143.59	982138.62	6974127	509062	650.38	62	53	55.69	128	49	18.17	142.97	137.51	132.88
-4900	W	-500	tg97188	14.03	5302.75	0.53	0.018	0.00	982,143.74	982138.64	6974151	509070	649.77	62	53	56.45	128	49	17.62	142.98	137.53	132.90
-4900	W	-475	tg97188	13.58	5302.77	0.50	0.016	0.00	982,143.77	982138.65	6974175	509078	649.74	62	53	57.22	128	49	17.06	142.98	137.53	132.90
-4900	W	-450	tg97188	13.53	5302.81	0.63	0.016	0.00	982,143.85	982138.67	6974199	509085	649.32	62	53	57.99	128	49	16.51	142.96	137.51	132.89
-4900	W	-425	tg97188	13.49	5302.89	0.55	0.016	0.00	982,143.91	982138.69	6974222	509093	648.96	62	53	58.76	128	49	15.96	142.93	137.49	132.86
-4900	W	-400	tg97188	13.41	5303.00	0.50	0.014	0.00	982,144.01	982138.70	6974246	509101	648.52	62	53	59.52	128	49	15.41	142.92	137.48	132.86
-4900	W	-375	tg97188	13.37	5303.18	0.52	0.013	0.00	982,144.21	982138.72	6974270	509109	648.30	62	54	0.29	128	49	14.86	143.05	137.62	133.00
-4900	W	-350	tg97188	13.31	5303.01	0.60	0.012	0.00	982,144.06	982138.73	6974294	509116	648.93	62	54	1.05	128	49	14.31	143.02	137.58	132.95
-4900	W	-325	tg97188	13.27	5302.96	0.63	0.011	0.01	982,144.01	982138.75	6974318	509124	649.18	62	54	1.82	128	49	13.75	143.02	137.58	132.96
-4900	W	-300	tg97188	13.23	5302.88	0.63	0.011	0.01	982,143.93	982138.76	6974341	509132	649.48	62	54	2.59	128	49	13.20	142.99	137.54	132.92

-4900 W	-275	tg97188	13.18	5302.82	0.66	0.009	0.03	982,143.88	982138.78	6974365	509140	649.57	62	54	3.36	128	49	12.65	142.96	137.52	132.89
-4900 W	-250	tg97188	13.11	5303.26	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	132.96
-4900 W	-225	tg97188	13.06	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	5.66	128	49	10.99	142.87	137.48	132.90
-4900 W	-175	tg97188	12.56	5304.09	0.59	0.002	0.00	982,145.20	982138.84	6974460	509170	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	641.56	62	54	7.96	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	16.16	5306.04	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	16.11	5306.52	0.53	-0.004	0.03	982,147.61	982138.95	6974627	509225	629.83	62	54	11.80	128	49	6.57	142.34	137.06	132.57
-4900 W	0	tg97199	7.42	5306.56	0.54	-0.046	0.03	982,147.62	982138.95	6974627	509225	629.83	62	54	11.80	128	49	6.57	142.34	137.06	132.58
-4900 W	0	tg97198	16.06	5306.53	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	137.06	132.58
-5100 W	-1400	tg97189	13.52	5296.37	0.73	0.000	0.39	982,137.02	982138.12	6973357	508602	690.01	62	53	30.84	128	49	50.94	145.76	140.02	135.13
-5100 W	-1375	tg97189	13.58	5295.30	0.56	0.000	0.38	982,135.84	982138.13	6973381	508609	695.66	62	53	31.60	128	49	50.39	145.76	139.98	135.04
-5100 W	-1350	tg97189	14.04	5293.96	0.67	0.002	0.46	982,134.47	982138.15	6973405	508617	702.02	62	53	32.37	128	49	49.84	145.81	139.97	135.01
-5100 W	-1325	tg97189	14.11	5292.60	0.66	0.003	0.44	982,133.04	982138.16	6973428	508625	708.55	62	53	33.14	128	49	49.29	145.73	139.83	134.82
-5100 W	-1300	tg97189	14.18	5291.35	0.66	0.005	0.48	982,131.73	982138.18	6973452	508632	715.47	62	53	33.91	128	49	48.73	145.92	139.96	134.91
-5100 W	-1275	tg97189	14.25	5290.41	0.65	0.006	0.33	982,130.74	982138.19	6973476	508640	719.16	62	53	34.67	128	49	48.18	145.52	139.52	134.43
-5100 W	-1250	tg97189	14.31	5289.59	0.66	0.006	0.22	982,129.88	982138.21	6973500	508648	723.25	62	53	35.44	128	49	47.63	145.39	139.35	134.21
-5100 W	-1225	tg97189	14.36	5289.08	0.71	0.007	0.11	982,129.36	982138.23	6973523	508656	725.65	62	53	36.21	128	49	47.08	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	46.53	145.09	139.00	133.82
-5100 W	-1175	tg97189	14.46	5288.59	0.57	0.008	0.05	982,128.81	982138.26	6973571	508671	727.81	62	53	37.74	128	49	45.98	145.04	138.94	133.76
-5100 W	-1150	tg97189	14.51	5288.85	0.63	0.008	0.21	982,129.10	982138.27	6973595	508679	726.21	62	53	38.51	128	49	45.42	145.16	139.09	133.93
-5100 W	-1125	tg97189	14.56	5289.93	0.62	0.008	0.33	982,130.23	982138.29	6973619	508687	720.67	62	53	39.28	128	49	44.87	145.24	139.23	134.12
-5100 W	-1125	tg97189	13.33	5289.94	0.70	-0.003	0.33	982,130.25	982138.29	6973619	508687	720.67	62	53	39.28	128	49	44.87	145.25	139.24	134.14
-5100 W	-1100	tg97189	13.26	5291.51	0.60	-0.005	0.32	982,131.86	982138.30	6973642	508694	713.05	62	53	40.05	128	49	44.32	145.23	139.28	134.23
-5100 W	-1075	tg97189	13.20	5292.88	0.64	-0.007	0.33	982,133.31	982138.32	6973666	508702	706.34	62	53	40.81	128	49	43.77	145.25	139.36	134.35
-5100 W	-1050	tg97189	13.14	5293.90	0.68	-0.008	0.24	982,134.40	982138.34	6973690	508710	700.85	62	53	41.58	128	49	43.22	145.05	139.20	134.22
-5100 W	-1025	tg97190	7.39	5294.79	0.60	-0.061	0.17	982,135.23	982138.35	6973714	508717	696.59	62	53	42.35	128	49	42.67	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	696.59	62	53	42.35	128	49	42.67	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	696.59	62	53	42.35	128	49	42.67	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	690.06	62	53	43.88	128	49	41.56	144.81	139.04	134.14
-5100 W	-950	tg97190	7.49	5297.10	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	5297.03	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	5297.61	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	5298.21	0.62	0.010	0.06	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	5298.83	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	5299.26	0.52	0.010	0.03	982,140.02	982138.46	6973880	508772	671.93	62	53	47.72	128	49	38.81	144.16	138.53	133.75
-5100 W	-825	tg97190	8.00	5299.98	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	5299.92	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	5299.90	0.54	0.009	0.06	982,140.70	982138.49	6973928	508787	668.81	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	5299.99	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	133.66
-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	6974046	508826	665.23	62	53	53.10	128	49	34.94	144.04	138.48	133.76
-5100 W	-650	tg97189	16.39	5300.96	0.61	0.006	0.15	982,141.83	982138.59	6974070	508833	662.91	62	53	53.86	128	49	34.39	144.08	138.53	133.82
-5100 W	-625	tg97189	16.44	5301.16	0.64	0.005	0.06	982,142.05	982138.60	6974094	508841	662.00	62	53	54.63	128	49	33.84	143.98	138.44	133.73
-5100 W	-600	tg97189	16.50	5301.60	0.53	0.004	0.07	982,142.48	982138.62	6974118	508849	660.14	62	53	55.40	128	49	33.29	144.01	138.48	133.79
-5100 W	-575	tg97189	16.55	5301.79	0.59	0.004	0.04	982,142.70	982138.63	6974142	508857	659.04	62	53	56.17	128	49	32.74	143.95	138.43	133.73
-5100 W	-550	tg97189	17.00	5301.82	0.56	0.003	0.04	982,142.72	982138.65	6974165	508864	659.02	62	53	56.93	128	49	32.19	143.95	138.43	133.74
-5100 W	-525	tg97189	17.05	5301.91	0.69	0.002	0.04	982,142.85	982138.66	6974189	508872	658.34	62	53	57.70	128	49	31.63	143.93	138.41	133.72
-5100 W	-500	tg97189	17.10	5301.96	0.51	0.001	0.05	982,142.85	982138.68	6974213	508880	658.41	62	53	58.47	128	49	31.08	143.93	138.42	133.73
-5100 W	-475	tg97190	8.10	5302.16	0.63	-0.060	0.08	982,142.99	982138.70	6974237	508887	657.09	62	53	59.24	128	49	30.53	143.81	138.31	133.63
-5100 W	-450	tg97190	8.31	5302.16	0.60	-0.060	0.03	982,142.98	982138.71	6974260	508895	656.62	62	54	0.00	128	49	29.98	143.63	138.13	133.45
-5100 W	-425	tg97190	8.38	5302.32	0.59	-0.059	0.07	982,143.15	982138.73	6974284	508903	655.55	62	54	0.77	128	49	29.43	143.60	138.11	133.44
-5100 W	-400	tg97190	8.43	5302.53	0.62	-0.059	0.04	982,143.38	982138.74	6974308	508911	654.06	62	54	1.53	128	49	28.87	143.46	137.98	133.32
-5100 W	-375	tg97190	8.48	5302.96	0.61	-0.059	0.06	982,143.83	982138.76	6974332	508918	651.34	62	54	2.30	128	49	28.32	143.34	137.89	133.25

-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	137.76	133.14
-5100 W	-325	tg97190	9.02	5303.67	0.64	-0.058	0.04	982,144.58	982138.79	6974379	508934	647.66	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	646.95	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	137.93	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	137.56	132.99
-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	24.46	142.93	137.54	132.96
-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	142.96	137.58	133.00
-5100 W	-125	tg97190	9.45	5304.77	0.53	-0.056	0.01	982,145.71	982138.92	6974570	508996	641.56	62	54	9.98	128	49	22.80	142.94	137.56	132.99
-5100 W	-100	tg97190	9.50	5304.73	0.57	-0.055	0.05	982,145.68	982138.93	6974593	509003	641.47	62	54	10.75	128	49	22.25	142.92	137.54	132.98
-5100 W	-75	tg97190	9.58	5304.13	0.69	-0.055	0.11	982,145.09	982138.95	6974617	509011	643.70	62	54	11.52	128	49	21.70	142.85	137.46	132.89
-5100 W	-50	tg97190	10.03	5304.62	0.65	-0.054	0.18	982,145.59	982138.96	6974641	509019	641.19	62	54	12.28	128	49	21.15	142.89	137.53	132.98
-5100 W	-25	tg97190	10.09	5305.35	0.65	-0.053	0.15	982,146.36	982138.98	6974665	509026	637.34	62	54	13.05	128	49	20.60	142.79	137.46	132.93
-5100 W	0	tg97190	10.17	5306.39	0.65	-0.052	0.13	982,147.46	982138.99	6974688	509034	632.29	62	54	13.82	128	49	20.05	142.77	137.48	132.99
-5100 W	0	tg97190	14.43	5306.34	0.66	-0.008	0.13	982,147.46	982138.99	6974688	509034	632.29	62	54	13.82	128	49	20.05	142.78	137.49	132.99
-5100 W	25	tg97190	10.22	5307.14	0.62	-0.052	0.11	982,148.24	982139.01	6974712	509042	626.47	62	54	14.59	128	49	19.49	142.70	137.44	132.98
-5100 W	50	tg97190	10.29	5307.90	0.57	-0.050	0.07	982,149.02	982139.03	6974736	509050	624.54	62	54	15.35	128	49	18.94	142.59	137.36	132.92
-5100 W	75	tg97190	10.36	5308.40	0.65	-0.049	0.06	982,149.57	982139.04	6974760	509057	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	509065	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	509073	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	-0.046	0.00	982,150.16	982139.09	6974831	509081	618.74	62	54	18.42	128	49	16.73	142.36	137.18	132.77
-5100 W	175	tg97190	11.07	5308.97	0.54	-0.045	0.00	982,150.14	982139.10	6974855	509088	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	509096	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	509104	614.96	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	509111	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	509119	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	509127	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	509135	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	509142	611.44	62	54	24.56	128	49	12.32	141.34	136.22	131.86
-5100 W	375	tg97190	11.48	5309.73	0.58	-0.038	0.00	982,150.96	982139.23	6975045	509150	610.63	62	54	25.33	128	49	11.77	141.30	136.18	131.83
-5100 W	400	tg97190	11.53	5309.78	0.61	-0.038	0.00	982,151.02	982139.25	6975069	509158	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	509166	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	509173	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	509181	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	509189	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	509196	606.79	62	54	29.94	128	49	8.45	141.36	136.27	131.95
-5100 W	550	tg97190	12.22	5311.20	0.55	-0.032	0.05	982,152.51	982139.34	6975212	509204	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	509212	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	6975259	509220	605.60	62	54	32.24	128	49	6.79	141.52	136.44	132.12
-5100 W	625	tg97190	12.41	5310.98	0.59	-0.028	0.00	982,152.29	982139.39	6975283	509227	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	509235	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	509243	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	509251	605.74	62	54	35.31	128	49	4.58	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	509258	606.19	62	54	36.08	128	49	4.03	141.23	136.15	131.83
-5100 W	750	tg97190	13.42	5310.62	0.49	-0.017	0.00	982,151.89	982139.46	6975402	509266	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	509274	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	509281	606.89	62	54	38.38	128	49	2.38	141.02	135.93	131.60
-5100 W	825	tg97190	14.02	5310.39	0.51	-0.014	0.00	982,151.66	982139.51	6975473	509289	606.78	62	54	39.15	128	49	1.82	140.90	135.81	131.49
-5100 W	850	tg97190	14.06	5310.27	0.61	-0.013	0.00	982,151.57	982139.53	6975497	509297	606.76	62	54	39.91	128	49	1.27	140.79	135.70	131.38
-5100 W	875	tg97190	14.12	5310.14	0.69	-0.012	0.00	982,151.46	982139.54	6975521	509305	606.58	62	54	40.68	128	49	0.72	140.62	135.54	131.21
-5100 W	900	tg97190	14.17	5310.16	0.53	-0.011	0.00	982,151.43	982139.56	6975544	509312	606.32	62	54	41.45	128	49	0.17	140.52	135.44	131.12
-5300 W	-1400	tg97191	9.20	5298.42	0.57	-0.049	0.18	982,139.07	982138.15	6973416	508417	682.38	62	53	32.77	128	50	4.00	145.91	140.20	135.36
-5300 W	-1375	tg97191	9.15	5298.21	0.52	-0.049	0.20	982,138.83	982138.17	6973440	508425	683.57	62	53	33.53	128	50	3.46	145.93	140.22	135.37
-5300 W	-1350	tg97191	9.10	5298.09	0.56	-0.049	0.44	982,138.72	982138.19	6973464	508432	683.82	62	53	34.30	128	50	2.91	146.13	140.44	135.61
-5300 W	-1325	tg97191	9.04	5296.75	0.59	-0.050	0.39	982,137.32	982138.20	6973488	508440	690.63	62	53	35.07	128	50	2.37	146.10	140.35	135.46
-5300 W	-1300	tg97191	8.58	5296.46	0.57	-0.050	0.34	982,137.01	982138.22	6973511	508447	692.47	62	53	35.84	128	50	1.82	146.11	140.34	135.43
-5300 W	-1275	tg97191	8.51	5296.53	0.53	-0.050	0.37	982,137.07	982138.23	6973535	508455	692.12	62	53	36.61	128	50	1.28	146.12	140.35	135.45
-5300 W	-1250	tg97191	8.43	5296.45	0.58	-0.050	0.20	982,137.00	982138.25	6973559	508463	692.45	62	53	37.38	128	50	0.73	145.91	140.12	135.20
-5300 W	-1225	tg97191	8.37	5296.84	0.53	-0.050	0.16	982,137.39	982138.26	6973583	508470	690.47	62	53	38.15	128	50	0.19	145.82	140.05	135.14
-5300 W	-1200	tg97191	8.32	5296.97	0.69	-0.050	0.11	982,137.58	982138.28	6973607	508478	689.79	62	53	38.91	128	49	59.65	145.79	140.02	135.11
-5300 W	-1175	tg97191	8.27	5297.32	0.58	-0.050	0.13	982,137.91	982138.30	6973630	508486	687.99	62	53	39.68	128	49	59.10	145.75	139.99	135.10

-5300 W	-1150	tg97191	8.22	5297.94	0.54	-0.050	0.09	982,138.55	982138.31	6973654	508493	686.03	62	53	40.45	128	49	58.56	145.91	140.17	135.29
-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	145.64	139.90	135.02
-5300 W	-1100	tg97191	8.11	5297.94	0.45	-0.050	0.01	982,138.53	982138.34	6973702	508506	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	134.88
-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	55.83	145.55	139.82	134.95
-5300 W	-1025	tg97191	9.50	5298.47	0.54	-0.048	0.00	982,139.11	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	508566	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	691.66	62	53	48.14	128	49	53.11	145.56	139.80	134.90
-5300 W	-875	tg97191	10.39	5295.13	0.63	-0.046	0.37	982,135.62	982138.48	6973916	508577	697.15	62	53	48.91	128	49	52.56	145.49	139.68	134.74
-5300 W	-850	tg97191	10.45	5294.33	0.64	-0.046	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	-0.046	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	-0.046	0.01	982,133.82	982138.53	6973988	508600	705.17	62	53	51.21	128	49	50.93	144.93	139.02	133.99
-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	51.98	128	49	50.38	144.93	139.03	134.02
-5300 W	-750	tg97191	11.17	5294.18	0.56	-0.043	0.06	982,134.60	982138.56	6974035	508615	701.76	62	53	52.75	128	49	49.84	145.01	139.13	134.14
-5300 W	-725	tg97191	11.22	5294.92	0.49	-0.043	0.16	982,135.36	982138.58	6974059	508623	698.41	62	53	53.52	128	49	49.29	145.15	139.32	134.35
-5300 W	-700	tg97191	11.29	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	5296.78	0.56	-0.042	0.17	982,137.34	982138.61	6974107	508638	689.28	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	47.66	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	0.06	982,138.23	982138.66	6974178	508661	684.03	62	53	57.36	128	49	46.57	144.78	139.05	134.19
-5300 W	-575	tg97191	11.59	5297.72	0.62	-0.041	0.07	982,138.34	982138.67	6974202	508669	683.28	62	53	58.13	128	49	46.02	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	0.43	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	1.20	128	49	43.84	144.26	138.59	133.76
-5300 W	-450	tg97191	12.29	5298.50	0.60	-0.036	0.12	982,139.16	982138.75	6974321	508707	677.54	62	54	1.97	128	49	43.30	144.31	138.64	133.82
-5300 W	-425	tg97191	12.36	5298.88	0.62	-0.035	0.11	982,139.56	982138.77	6974345	508715	675.52	62	54	2.73	128	49	42.75	144.26	138.61	133.80
-5300 W	-400	tg97191	12.41	5299.06	0.63	-0.035	0.10	982,139.76	982138.78	6974368	508722	674.03	62	54	3.50	128	49	42.21	144.11	138.47	133.67
-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	4.27	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	664.91	62	54	5.04	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	656.93	62	54	5.81	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	6.58	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	659.26	62	54	7.35	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	8.11	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	8.88	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	8.88	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	9.65	128	49	37.85	143.70	138.36	133.82
-5300 W	-175	tg97191	13.38	5304.30	0.63	-0.028	0.06	982,145.27	982138.92	6974583	508791	645.89	62	54	10.42	128	49	37.30	143.46	138.05	133.45
-5300 W	-175	tg97190	15.42	5304.28	0.64	-0.004	0.06	982,145.29	982138.92	6974583	508791	645.89	62	54	10.42	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	11.19	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	638.67	62	54	11.96	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	638.67	62	54	11.96	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	12.73	128	49	35.67	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	630.06	62	54	13.50	128	49	35.12	143.29	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	626.85	62	54	14.27	128	49	34.58	143.02	137.76	133.30
-5300 W	-25	tg97190	15.03	5308.08	0.53	-0.007	0.00	982,149.25	982139.02	6974726	508837	625.78	62	54	15.04	128	49	34.03	143.01	137.76	133.31
-5300 W	0	tg97198	12.07	5308.24	0.69	0.048	0.00	982,149.52	982139.03	6974749	508844	624.25	62	54	15.80	128	49	33.48	142.94	137.71	133.26
-5300 W	0	tg97190	14.53	5308.33	0.58	-0.007	0.00	982,149.53	982139.03	6974749	508844	624.25	62	54	15.80	128	49	33.48	142.95	137.71	133.27
-5300 W	0	tg97191	14.15	5308.37	0.60	-0.025	0.00	982,149.54	982139.03	6974749	508844	624.25	62	54	15.80	128	49	33.48	142.96	137.72	133.27
-5300 W	25	tg97198	12.14	5308.57	0.57	0.048	0.00	982,149.83	982139.05	6974773	508852	622.65	62	54	16.57	128	49	32.94	142.89	137.67	133.24
-5300 W	50	tg97198	12.19	5308.89	0.55	0.048	0.00	982,150.16	982139.07	6974797	508860	620.80	62	54	17.34	128	49	32.39	142.82	137.61	133.19
-5300 W	75	tg97198	12.24	5309.01	0.57	0.048	0.00	982,150.29	982139.08	6974821	508867	619.64	62	54	18.11	128	49	31.85	142.69	137.49	133.08
-5300 W	100	tg97198	12.28	5309.31	0.66	0.048	0.01	982,150.64	982139.10	6974845	508875	617.29	62	54	18.88	128	49	31.30	142.53	137.35	132.96
-5300 W	125	tg97198	12.32	5309.65	0.50	0.048	0.02	982,150.94	982139.11	6974868	508882	615.87	62	54	19.65	128	49	30.76	142.53	137.37	132.98
-5300 W	150	tg97198	12.37	5309.85	0.46	0.047	0.00	982,151.14	982139.13	6974892	508890	614.77	62	54	20.42	128	49	30.21	142.46	137.30	132.92
-5300 W	175	tg97198	12.41	5309.99	0.47	0.047	0.00	982,151.29	982139.14	6974916	508898	613.95	62	54	21.18	128	49	29.67	142.42	137.27	132.89
-5300 W	200	tg97198	15.47	5309.27	0.68	-0.010	0.05	982,150.55	982139.16	6974940	508905	616.74	62	54	21.95	128	49	29.12	142.31	137.15	132.76
-5300 W	200	tg97198	13.21	5309.22	0.72	0.041	0.05	982,150.56	982139.16	6974940	508905	616.74	62	54	21.95	128	49	29.12	142.32	137.15	132.76
-5300 W	225	tg97198	13.30	5310.18	0.62	0.039	0.02	982,151.53	982139.18	6974964	508913	612.05	62	54	22.72	128	49	28.58	142.25	137.12	132.78

-5300 W	250	tg97198	13.35	5310.46	0.56	0.038	0.00	982,151.81	982139.19	6974987	508921	610.86	62	54	23.49	128	49	28.03	142.23	137.11	132.76
-5300 W	275	tg97198	13.39	5310.58	0.55	0.036	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	609.62	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	608.99	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	608.90	62	54	26.56	128	49	25.85	142.36	137.25	132.91
-5300 W	375	tg97198	14.01	5311.23	0.48	0.031	0.00	982,152.58	982139.27	6975106	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	0.46	0.029	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	132.98
-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	606.46	62	54	31.94	128	49	22.03	142.34	137.25	132.93
-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	0.53	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	132.64
-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	132.60
-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	5312.82	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	596.94	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	0.56	-0.032	0.24	982,135.86	982138.21	6973501	508234	702.20	62	53	35.53	128	50	16.95	146.92	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	136.19
-5500 W	-1350	tg97192	12.05	5296.44	0.63	-0.035	0.28	982,137.01	982138.24	6973549	508249	696.00	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	11.46	5298.18	0.58	-0.038	0.12	982,138.83	982138.27	6973596	508264	686.61	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	982,139.08	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	982,139.08	982138.34	6973692	508295	684.40	62	53	41.67	128	50	12.60	145.96	140.22	135.35
-5500 W	-1175	tg97192	11.17	5298.48	0.56	-0.043	0.00	982,139.14	982138.35	6973715	508303	684.37	62	53	42.44	128	50	12.05	145.99	140.26	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	135.49
-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	5296.74	0.62	-0.049	0.16	982,137.33	982138.43	6973834	508341	693.61	62	53	46.29	128	50	9.32	146.25	140.45	135.52
-5500 W	-1050	tg97192	12.55	5298.76	0.58	-0.026	0.16	982,137.34	982138.43	6973834	508341	693.61	62	53	46.29	128	50	9.32	146.26	140.46	135.53
-5500 W	-1025	tg97192	10.35	5296.18	0.65	-0.050	0.14	982,136.75	982138.45	6973858	508348	696.68	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	697.95	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	49.36	128	50	7.14	145.97	140.13	135.17
-5500 W	-925	tg97192	10.10	5296.01	0.58	-0.053	0.02	982,136.54	982138.51	6973953	508379	696.37	62	53	50.13	128	50	6.60	145.82	139.98	135.02
-5500 W	-900	tg97192	10.06	5296.11	0.59	-0.053	0.00	982,136.65	982138.53	6973977	508386	695.66	62	53	50.90	128	50	6.05	145.74	139.90	134.95
-5500 W	-875	tg97192	10.02	5296.20	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	5296.14	0.57	-0.055	0.01	982,136.68	982138.56	6974025	508402	695.09	62	53	52.43	128	50	4.96	145.62	139.80	134.84
-5500 W	-825	tg97192	9.52	5296.34	0.55	-0.055	0.02	982,136.89	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	5296.43	0.64	-0.055	0.02	982,137.01	982138.59	6974073	508417	693.03	62	53	53.97	128	50	3.88	145.49	139.68	134.75
-5500 W	-750	tg97192	9.33	5296.33	0.68	-0.057	0.04	982,136.92	982138.60	6974096	508425	693.16	62	53	54.74	128	50	3.33	145.44	139.63	134.69
-5500 W	-725	tg97192	9.28	5296.46	0.54	-0.057	0.11	982,137.01	982138.62	6974120	508432	692.35	62	53	55.51	128	50	2.79	145.42	139.63	134.70
-5500 W	-700	tg97192	9.22	5296.77	0.45	-0.057	0.14	982,137.31	982138.64	6974144	508440	690.01	62	53	56.28	128	50	2.24	145.24	139.47	134.57
-5500 W	-675	tg97192	9.15	5296.91	0.58	-0.058	0.07	982,137.50	982138.65	6974168	508448	688.57	62	53	57.05	128	50	1.70	145.03	139.26	134.36
-5500 W	-650	tg97192	9.08	5297.22	0.45	-0.058	0.08	982,137.78	982138.67	6974192	508455	687.35	62	53	57.81	128	50	1.15	145.05	139.30	134.40
-5500 W	-625	tg97192	9.02	5297.61	0.65	-0.058	0.12	982,138.25	982138.68	6974215	508463	685.47	62	53	58.58	128	50	0.61	145.15	139.42	134.55
-5500 W	-600	tg97192	8.56	5297.92	0.62	-0.059	0.13	982,138.57	982138.70	6974239	508470	683.49	62	53	59.35	128	50	0.06	145.05	139.33	134.47
-5500 W	-575	tg97192	8.51	5298.23	0.59	-0.059	0.10	982,138.89	982138.71	6974263	508478	681.47	62	54	0.11	128	49	59.52	144.89	139.19	134.34
-5500 W	-550	tg97192	8.45	5298.57	0.46	-0.059	0.13	982,139.21	982138.73	6974287	508486	679.41	62	54	0.88	128	49	58.98	144.79	139.11	134.27
-5500 W	-525	tg97192	8.38	5298.80	0.62	-0.059	0.21	982,139.50	982138.75	6974311	508493	678.98	62	54	1.65	128	49	58.43	144.64	138.99	134.18
-5500 W	-500	tg97192	8.32	5299.40	0.63	-0.060	0.27	982,140.13	982138.76	6974334	508501	674.03	62	54	2.42	128	49	57.89	144.70	139.08	134.30
-5500 W	-475	tg97191	16.27	5300.14	0.58	-0.018	0.35	982,140.88	982138.78	6974358	508509	670.42	62	54	3.19	128	49	57.34	144.75	139.17	134.42

-5500 W	-475	tg97192	8.26	5300.13	0.57	-0.060	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	16.20	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	16.11	5301.86	0.53	-0.018	0.54	982,142.67	982138.81	6974406	508524	661.14	62	54	4.73	128	49	56.25	144.76	139.28	134.61
-5500 W	-400	tg97191	16.04	5302.63	0.46	-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	6.26	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	641.98	62	54	7.03	128	49	54.62	144.16	138.83	134.30
-5500 W	-325	tg97191	15.41	5306.36	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	0.26	982,148.18	982138.89	6974525	508562	630.60	62	54	8.57	128	49	53.53	143.40	138.13	133.66
-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	137.87	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	5307.96	0.67	-0.020	0.03	982,149.13	982138.93	6974596	508585	627.76	62	54	10.88	128	49	51.89	143.43	138.17	133.70
-5500 W	-200	tg97191	15.06	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	133.67
-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	143.26	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	137.94	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	16.26	128	49	48.08	143.00	137.80	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	6974906	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	11.46	5310.50	0.65	0.048	0.02	982,151.88	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	6975096	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	38.81	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	0.54	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	132.99
-5500 W	575	tg97198	10.19	5312.12	0.61	0.033	0.00	982,153.55	982139.44	6975358	508829	604.82	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	5311.97	0.59	0.038	0.00	982,153.39	982139.50	6975453	508860	605.83	62	54	38.55	128	49	32.27	142.44	137.36	133.04
-5500 W	700	tg97198	10.46	5311.87	0.66	0.039	0.00	982,153.31	982139.52	6975477	508867	606.00	62	54	39.32	128	49	31.72	142.38	137.30	132.98
-5500 W	725	tg97198	10.50	5311.83	0.63	0.040	0.00	982,153.26	982139.53	6975501	508875	606.37	62	54	40.08	128	49	31.18	142.39	137.31	132.99
-5500 W	750	tg97198	10.56	5311.85	0.64	0.040	0.00	982,153.28	982139.55	6975525	508883	606.32	62	54	40.85	128	49	30.63	142.39	137.31	132.98
-5500 W	775	tg97198	11.00	5311.37	0.67	0.042	0.02	982,152.79	982139.56	6975549	508890	608.13	62	54	41.62	128	49	30.09	142.29	137.19	132.86
-5500 W	800	tg97198	11.04	5311.35	0.74	0.043	0.01	982,152.79	982139.58	6975572	508898	607.98	62	54	42.39	128	49	29.54	142.23	137.13	132.80
-5500 W	825	tg97198	11.10	5311.47	0.62	0.044	0.03	982,152.88	982139.59	6975596	508905	607.22	62	54	43.16	128	49	28.99	142.17	137.08	132.76
-5500 W	850	tg97198	11.14	5311.87	0.60	0.044	0.01	982,153.30	982139.61	6975620	508913	605.05	62	54	43.93	128	49	28.45	142.08	137.01	132.70
-5500 W	875	tg97198	11.20	5312.25	0.59	0.044	0.03	982,153.70	982139.63	6975644	508921	602.82	62	54	44.70	128	49	27.90	142.01	136.96	132.67
-5500 W	900	tg97198	11.25	5312.56	0.62	0.046	0.04	982,154.03	982139.64	6975668	508928	600.70	62	54	45.46	128	49	27.36	141.90	136.86	132.59
-5700 W	-1400	tg97192	14.36	5292.60	0.55	-0.009	0.16	982,132.95	982138.24	6973538	508036	716.80	62	53	36.74	128	50	30.97	147.00	141.00	135.91
-5700 W	-1375	tg97192	14.29	5293.56	0.62	-0.010	0.15	982,133.98	982138.25	6973562	508043	711.93	62	53	37.51	128	50	30.42	146.97	141.01	135.95
-5700 W	-1350	tg97192	14.22	5294.78	0.70	-0.011	0.18	982,135.29	982138.27	6973586	508051	705.92	62	53	38.28	128	50	29.88	147.02	141.12	136.10
-5700 W	-1325	tg97192	14.15	5295.69	0.56	-0.012	0.17	982,136.21	982138.28	6973610	508059	701.43	62	53	39.05	128	50	29.33	146.95	141.09	136.10

-5700 W	-1300	tg97192	14.09	5296.43	0.52	-0.012	0.20	982,136.97	982138.30	6973634	508066	697.20	62	53	39.82	128	50	28.79	146.84	141.01	136.06
-5700 W	-1275	tg97192	13.59	5297.47	0.55	-0.015	0.18	982,136.08	982138.31	6973657	508074	691.96	62	53	40.59	128	50	28.25	146.79	141.01	136.10
-5700 W	-1250	tg97192	13.53	5296.27	0.59	-0.015	0.11	982,138.93	982138.33	6973681	508082	687.50	62	53	41.36	128	50	27.70	146.80	140.85	135.96
-5700 W	-1225	tg97192	13.46	5296.36	0.65	-0.016	0.08	982,139.04	982138.35	6973705	508089	686.67	62	53	42.12	128	50	27.16	146.49	140.74	135.85
-5700 W	-1225	tg97192	14.47	5296.37	0.64	-0.008	0.08	982,139.05	982138.35	6973705	508089	686.67	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	982138.36	6973729	508097	690.58	62	53	42.89	128	50	26.61	146.54	140.77	135.86
-5700 W	-1175	tg97192	13.34	5296.60	0.61	-0.018	0.19	982,137.18	982138.38	6973753	508105	695.18	62	53	43.66	128	50	26.07	146.53	140.72	135.78
-5700 W	-1175	tg97192	14.53	5296.62	0.61	-0.007	0.19	982,137.20	982138.38	6973753	508105	695.18	62	53	43.66	128	50	26.07	146.55	140.74	135.80
-5700 W	-1150	tg97192	13.28	5295.71	0.63	-0.019	0.39	982,136.25	982138.39	6973776	508112	699.42	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	982,134.56	982138.41	6973800	508120	706.83	62	53	45.20	128	50	24.98	146.47	140.58	135.56
-5700 W	-1100	tg97192	13.13	5292.95	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	-0.028	0.22	982,132.59	982138.44	6973848	508135	714.45	62	53	46.74	128	50	23.89	146.00	140.03	134.96
-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	-1025	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	698.68	62	53	49.04	128	50	22.25	146.30	140.50	135.57
-5700 W	-975	tg97192	15.39	5296.36	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	982,139.56	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	145.62	140.02	135.25
-5700 W	-825	tg97192	16.16	5301.16	0.69	-0.005	0.14	982,141.98	982138.60	6974086	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	674.86	62	53	57.50	128	50	16.26	145.19	139.54	134.74
-5700 W	-700	tg97193	8.25	5299.53	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	508265	675.76	62	53	59.80	128	50	14.63	145.08	139.43	134.63
-5700 W	-625	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	0.52	-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	658.83	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	0.26	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	982,146.66	982138.85	6974467	508333	641.88	62	54	6.71	128	50	9.72	144.26	138.90	134.35
-5700 W	-400	tg97193	9.39	5306.19	0.59	-0.024	0.25	982,147.25	982138.86	6974491	508341	638.56	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	508364	626.73	62	54	9.79	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	508379	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	138.43	133.96
-5700 W	-175	tg97193	10.24	5308.41	0.62	-0.025	0.03	982,149.59	982139.01	6974705	508410	626.90	62	54	14.40	128	50	4.27	143.64	138.38	133.92
-5700 W	-150	tg97193	10.28	5308.88	0.44	-0.025	0.15	982,150.03	982139.02	6974729	508417	623.69	62	54	15.17	128	50	3.72	143.52	138.30	133.87
-5700 W	-125	tg97193	10.35	5309.71	0.61	-0.026	0.08	982,150.95	982139.04	6974753	508425	618.32	62	54	15.94	128	50	3.18	143.21	138.03	133.63
-5700 W	-100	tg97193	10.51	5309.95	0.50	-0.026	0.00	982,151.17	982139.05	6974776	508433	617.05	62	54	16.71	128	50	2.63	143.05	137.87	133.48
-5700 W	-75	tg97193	10.55	5310.08	0.56	-0.026	0.00	982,151.33	982139.07	6974800	508440	616.22	62	54	17.48	128	50	2.09	143.01	137.84	133.45
-5700 W	-50	tg97193	11.00	5310.17	0.55	-0.027	0.00	982,151.42	982139.08	6974824	508448	615.84	62	54	18.25	128	50	1.54	143.00	137.84	133.45
-5700 W	-25	tg97193	11.05	5310.15	0.61	-0.027	0.00	982,151.42	982139.10	6974848	508456	615.54	62	54	19.02	128	50	1.00	142.92	137.76	133.38
-5700 W	0	tg97193	13.34	5310.26	0.43	-0.035	0.00	982,151.47	982139.12	6974872	508463	614.88	62	54	19.78	128	50	0.45	142.82	137.67	133.28
-5700 W	0	tg97193	11.09	5310.26	0.55	-0.027	0.00	982,151.51	982139.12	6974872	508463	614.88	62	54	19.78	128	50	0.45	142.86	137.71	133.33
-5700 W	25	tg97193	11.14	5310.34	0.58	-0.027	0.00	982,151.61	982139.13	6974895	508471	614.46	62	54	20.55	128	49	59.91	142.85	137.70	133.32
-5700 W	50	tg97193	11.19	5310.55	0.63	-0.028	0.00	982,151.84	982139.15	6974919	508479	613.62	62	54	21.32	128	49	59.37	142.89	137.75	133.38
-5700 W	75	tg97193	11.25	5310.76	0.52	-0.028	0.00	982,152.03	982139.16	6974943	508486	612.97	62	54	22.09	128	49	58.82	142.93	137.79	133.42

-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	982,152.46	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	133.56
-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	5311.46	0.59	-0.029	0.02	982,152.78	982139.24	6975062	508524	610.35	62	54	25.93	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	982,152.46	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	982139.29	6975133	508547	618.95	62	54	28.24	128	49	54.46	143.33	138.18	133.81
-5700 W	300	tg97193	13.15	5308.90	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	5308.91	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	5309.60	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	13.06	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	606.41	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	606.11	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	606.30	62	54	34.39	128	49	50.10	142.72	137.63	133.32
-5900 W	-1500	tg97194	11.45	5288.95	0.57	-0.016	0.77	982,129.12	982138.21	6973506	507811	736.77	62	53	35.70	128	50	46.88	148.12	142.02	136.84
-5900 W	-1475	tg97194	11.37	5290.83	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	5292.12	0.49	-0.014	0.64	982,132.43	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	5293.67	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	700.62	62	53	38.78	128	50	44.68	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	692.64	62	53	39.54	128	50	44.13	147.30	141.53	136.63
-5900 W	-1350	tg97194	10.57	5298.96	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	5300.61	0.44	-0.010	0.13	982,141.34	982138.34	6973696	507873	676.80	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	675.87	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	667.71	62	53	45.69	128	50	39.74	146.35	140.77	136.03
-5900 W	-1150	tg97194	12.00	5302.55	0.49	-0.017	0.09	982,143.39	982138.43	6973839	507919	665.27	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	665.27	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	663.60	62	53	47.22	128	50	38.64	145.99	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	662.80	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	36.45	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	51.06	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	135.09
-5900 W	-875	tg97194	8.43	5302.89	0.48	-0.011	0.00	982,143.74	982138.61	6974100	508004	661.41	62	53	54.90	128	50	33.15	145.48	139.93	135.22
-5900 W	-850	tg97194	8.37	5303.02	0.58	-0.011	0.00	982,143.91	982138.62	6974124	508011	661.30	62	53	55.67	128	50	32.60	145.60	140.06	135.35
-5900 W	-825	tg97194	8.32	5303.30	0.55	-0.012	0.00	982,144.19	982138.64	6974148	508019	660.89	62	53	56.44	128	50	32.06	145.79	140.24	135.54
-5900 W	-800	tg97194	8.27	5303.39	0.59	-0.012	0.00	982,144.30	982138.65	6974172	508027	660.92	62	53	57.21	128	50	31.51	145.88	140.34	135.63
-5900 W	-775	tg97194	8.23	5303.43	0.39	-0.013	0.00	982,144.28	982138.67	6974195	508034	660.88	62	53	57.97	128	50	30.96	145.84	140.30	135.59
-5900 W	-750	tg97194	8.19	5303.47	0.63	-0.013	0.00	982,144.40	982138.69	6974219	508042	660.58	62	53	58.74	128	50	30.41	145.87	140.34	135.63
-5900 W	-725	tg97194	8.15	5303.48	0.58	-0.014	0.00	982,144.39	982138.70	6974243	508050	659.86	62	53	59.51	128	50	29.86	145.70	140.17	135.47
-5900 W	-700	tg97194	8.10	5303.52	0.61	-0.014	0.00	982,144.44	982138.72	6974267	508057	658.94	62	54	0.27	128	50	29.31	145.54	140.02	135.32
-5900 W	-675	tg97194	8.06	5303.73	0.60	-0.014	0.00	982,144.66	982138.73	6974291	508065	657.55	62	54	1.04	128	50	28.76	145.45	139.93	135.25
-5900 W	-650	tg97194	8.01	5303.97	0.48	-0.015	0.00	982,144.87	982138.75	6974314	508073	656.41	62	54	1.81	128	50	28.21	145.40	139.90	135.22
-5900 W	-650	tg97193	16.24	5303.98	0.52	-0.042	0.00	982,144.89	982138.75	6974314	508073	656.41	62	54	1.81	128	50	28.21	145.42	139.92	135.24
-5900 W	-625	tg97194	7.55	5304.16	0.56	-0.016	0.00	982,145.10	982138.76	6974338	508081	655.34	62	54	2.58	128	50	27.66	145.38	139.89	135.22
-5900 W	-625	tg97193	16.29	5304.15	0.61	-0.043	0.00	982,145.10	982138.76	6974338	508081	655.34	62	54	2.58	128	50	27.66	145.38	139.89	135.22
-5900 W	-625	tg97193	16.16	5304.17	0.54	-0.042	0.00	982,145.10	982138.76	6974338	508081	655.34	62	54	2.58	128	50	27.66	145.38	139.89	135.22

-5900 W	-600	tg97193	16.11	5304.30	0.54	-0.042	0.00	982,145.23	982138.78	6974362	508088	654.05	62	54	3.35	128	50	27.11	145.23	139.75	135.09
-5900 W	-600	tg97193	16.19	5304.29	0.60	-0.042	0.00	982,145.24	982138.78	6974362	508088	654.05	62	54	3.35	128	50	27.11	145.24	139.76	135.09
-5900 W	-575	tg97193	16.06	5304.51	0.53	-0.042	0.02	982,145.45	982138.80	6974386	508096	650.70	62	54	4.11	128	50	26.56	144.75	139.29	134.66
-5900 W	-550	tg97193	16.00	5304.94	0.52	-0.042	0.05	982,145.90	982138.81	6974410	508104	648.12	62	54	4.88	128	50	26.02	144.67	139.24	134.62
-5900 W	-525	tg97193	15.53	5305.33	0.60	-0.041	0.18	982,146.33	982138.83	6974433	508111	645.32	62	54	5.65	128	50	25.47	144.64	139.25	134.67
-5900 W	-500	tg97193	15.47	5306.00	0.68	-0.041	0.19	982,147.06	982138.84	6974457	508119	641.01	62	54	6.42	128	50	24.92	144.45	139.10	134.54
-5900 W	-475	tg97193	15.40	5306.61	0.58	-0.041	0.32	982,147.67	982138.86	6974481	508127	637.11	62	54	7.19	128	50	24.37	144.37	139.06	134.55
-5900 W	-450	tg97193	15.33	5307.77	0.52	-0.041	0.29	982,148.87	982138.87	6974505	508134	630.35	62	54	7.95	128	50	23.82	144.08	138.83	134.36
-5900 W	-425	tg97193	15.28	5308.41	0.64	-0.041	0.11	982,149.58	982138.89	6974528	508142	626.63	62	54	8.72	128	50	23.27	143.78	138.54	134.08
-5900 W	-400	tg97193	15.20	5308.67	0.57	-0.040	0.01	982,149.84	982138.91	6974552	508150	626.94	62	54	9.49	128	50	22.72	143.97	138.71	134.25
-5900 W	-375	tg97193	15.15	5308.26	0.68	-0.040	0.04	982,149.44	982138.92	6974576	508157	628.84	62	54	10.26	128	50	22.17	143.99	138.73	134.25
-5900 W	-350	tg97193	15.09	5308.37	0.61	-0.040	0.07	982,149.53	982138.94	6974600	508165	628.07	62	54	11.03	128	50	21.62	143.94	138.69	134.22
-5900 W	-325	tg97193	15.04	5309.21	0.56	-0.039	0.08	982,150.40	982138.95	6974624	508173	623.64	62	54	11.80	128	50	21.07	143.87	138.65	134.21
-5900 W	-300	tg97193	14.58	5309.30	0.58	-0.039	0.02	982,150.50	982138.97	6974647	508181	622.81	62	54	12.57	128	50	20.52	143.71	138.49	134.05
-5900 W	-275	tg97193	14.52	5309.41	0.55	-0.039	0.02	982,150.61	982138.98	6974671	508188	621.54	62	54	13.33	128	50	19.97	143.53	138.32	133.89
-5900 W	-250	tg97193	14.46	5309.72	0.53	-0.039	0.02	982,150.93	982139.00	6974695	508196	619.72	62	54	14.10	128	50	19.42	143.45	138.25	133.84
-5900 W	-225	tg97193	14.41	5309.95	0.63	-0.039	0.01	982,151.20	982139.02	6974719	508204	618.20	62	54	14.87	128	50	18.88	143.37	138.19	133.78
-5900 W	-200	tg97193	14.37	5310.18	0.47	-0.039	0.00	982,151.39	982139.03	6974743	508211	617.18	62	54	15.64	128	50	18.33	143.32	138.14	133.75
-5900 W	-175	tg97193	14.33	5310.42	0.60	-0.038	0.00	982,151.69	982139.05	6974766	508219	616.18	62	54	16.41	128	50	17.78	143.38	138.22	133.83
-5900 W	-150	tg97193	14.28	5310.69	0.53	-0.038	0.00	982,151.95	982139.06	6974790	508227	615.62	62	54	17.17	128	50	17.23	143.51	138.35	133.96
-5900 W	-125	tg97193	14.24	5310.80	0.57	-0.038	0.00	982,152.08	982139.08	6974814	508234	614.47	62	54	17.94	128	50	16.68	143.38	138.23	133.85
-5900 W	-100	tg97193	14.19	5310.77	0.34	-0.038	0.00	982,151.98	982139.09	6974838	508242	614.17	62	54	18.71	128	50	16.13	143.20	138.05	133.67
-5900 W	-75	tg97193	14.14	5310.87	0.54	-0.037	0.00	982,152.14	982139.11	6974861	508250	613.37	62	54	19.48	128	50	15.58	143.18	138.04	133.67
-5900 W	-50	tg97193	14.08	5311.06	0.67	-0.037	0.00	982,152.38	982139.13	6974885	508257	612.48	62	54	20.24	128	50	15.03	143.22	138.06	133.72
-5900 W	-25	tg97193	14.02	5311.21	0.64	-0.037	0.00	982,152.53	982139.14	6974909	508265	611.75	62	54	21.01	128	50	14.48	143.19	138.06	133.71
-5900 W	0	tg97193	13.43	5311.28	0.69	-0.036	0.00	982,152.62	982139.16	6974933	508273	611.32	62	54	21.78	128	50	13.93	143.18	138.05	133.69
-6000 W	-1500	tg97194	14.04	5293.76	0.37	-0.034	0.37	982,134.10	982138.24	6973539	507709	712.47	62	53	36.80	128	50	54.12	147.47	141.53	136.48
-6000 W	-1475	tg97194	13.58	5294.77	0.44	-0.032	0.23	982,135.19	982138.25	6973563	507717	707.08	62	53	37.56	128	50	53.56	147.23	141.33	136.31
-6000 W	-1450	tg97194	13.49	5295.18	0.61	-0.032	0.26	982,135.67	982138.27	6973587	507725	704.53	62	53	38.33	128	50	53.00	147.19	141.31	136.31
-6000 W	-1425	tg97194	13.42	5295.71	0.43	-0.031	0.46	982,136.17	982138.28	6973610	507732	701.28	62	53	39.10	128	50	52.45	147.22	141.38	136.43
-6000 W	-1400	tg97194	13.34	5297.85	0.54	-0.030	0.57	982,138.46	982138.30	6973634	507740	689.19	62	53	39.86	128	50	51.89	147.05	141.33	136.46
-6000 W	-1375	tg97194	13.26	5299.10	0.45	-0.029	0.32	982,139.75	982138.32	6973658	507748	682.58	62	53	40.63	128	50	51.33	146.63	140.94	136.10
-6000 W	-1350	tg97194	13.19	5300.47	0.51	-0.028	0.28	982,141.20	982138.33	6973682	507756	676.12	62	53	41.40	128	50	50.77	146.65	141.01	136.22
-6000 W	-1325	tg97194	13.13	5301.33	0.57	-0.027	0.16	982,142.13	982138.35	6973705	507764	671.66	62	53	42.16	128	50	50.21	146.50	140.89	136.12
-6000 W	-1300	tg97194	13.05	5302.02	0.63	-0.026	0.14	982,142.87	982138.36	6973729	507771	668.34	62	53	42.93	128	50	49.66	146.48	140.89	136.14
-6000 W	-1300	tg97194	14.17	5302.05	0.60	-0.036	0.14	982,142.89	982138.36	6973729	507771	668.34	62	53	42.93	128	50	49.66	146.49	140.91	136.15
-6000 W	-1275	tg97194	13.00	5302.41	0.63	-0.025	0.04	982,143.28	982138.38	6973753	507779	666.26	62	53	43.70	128	50	49.10	146.32	140.74	135.99
-6000 W	-1250	tg97194	12.54	5302.63	0.59	-0.024	0.02	982,143.50	982138.39	6973777	507787	664.86	62	53	44.46	128	50	48.54	146.20	140.63	135.89
-6000 W	-1225	tg97194	12.48	5302.92	0.48	-0.024	0.01	982,143.77	982138.41	6973800	507795	663.05	62	53	45.23	128	50	47.98	146.06	140.50	135.78
-6000 W	-1200	tg97194	12.40	5303.19	0.61	-0.022	0.01	982,144.10	982138.43	6973824	507803	661.78	62	53	46.00	128	50	47.43	146.10	140.55	135.84
-6000 W	-1175	tg97194	12.33	5303.22	0.52	-0.021	0.00	982,144.10	982138.44	6973848	507811	660.98	62	53	46.76	128	50	46.87	145.91	140.37	135.66
-6000 W	-1150	tg97194	12.25	5303.20	0.52	-0.021	0.00	982,144.08	982138.46	6973872	507818	660.33	62	53	47.53	128	50	46.31	145.74	140.20	135.49
-6000 W	-1125	tg97194	12.20	5303.15	0.46	-0.020	0.00	982,144.01	982138.47	6973895	507826	659.83	62	53	48.30	128	50	45.75	145.54	140.01	135.31
-6000 W	-900	tg97194	14.42	5303.13	0.50	-0.039	0.00	982,143.99	982138.61	6974109	507897	660.24	62	53	55.20	128	50	40.73	145.47	139.93	135.23
-6000 W	-875	tg97194	14.54	5303.23	0.36	-0.040	0.00	982,144.05	982138.63	6974133	507904	660.01	62	53	55.96	128	50	40.17	145.46	139.93	135.23
-6000 W	-850	tg97194	14.57	5303.35	0.39	-0.040	0.00	982,144.18	982138.64	6974157	507912	659.72	62	53	56.73	128	50	39.62	145.52	139.99	135.29
-6000 W	-825	tg97194	15.04	5303.55	0.53	-0.042	0.00	982,144.44	982138.66	6974180	507920	659.69	62	53	57.50	128	50	39.06	145.75	140.22	135.52
-6000 W	-800	tg97194	15.08	5303.67	0.56	-0.043	0.00	982,144.57	982138.68	6974204	507928	659.41	62	53	58.26	128	50	38.50	145.81	140.28	135.58
-6000 W	-775	tg97194	15.13	5303.74	0.68	-0.043	0.00	982,144.68	982138.69	6974228	507936	659.25	62	53	59.03	128	50	37.94	145.87	140.34	135.65
-6000 W	-750	tg97194	15.17	5303.73	0.61	-0.044	0.00	982,144.65	982138.71	6974252	507943	658.41	62	53	59.79	128	50	37.39	145.65	140.13	135.43
-6000 W	-725	tg97194	15.22	5303.59	0.63	-0.044	0.00	982,144.51	982138.72	6974275	507951	657.86	62	54	0.56	128	50	36.83	145.37	139.86	135.17
-6000 W	-700	tg97194	15.27	5303.42	0.69	-0.045	0.00	982,144.35	982138.74	6974299	507959	658.22	62	54	1.32	128	50	36.27	145.27	139.75	135.06
-6000 W	-675	tg97194	15.37	5303.76	0.64	-0.046	0.00	982,144.69	982138.75	6974323	507967	657.00	62	54	2.09	128	50	35.71	145.34	139.83	135.15
-6000 W	-650	tg97194	15.43	5303.49	0.68	-0.046	0.05	982,144.42	982138.77	6974347	507975	657.67	62	54	2.86	128	50	35.15	145.25	139.74	135.06
-6000 W	-625	tg97194	15.49	5303.77	0.71	-0.047	0.16	982,144.72	982138.79	6974370	507983	655.17	62	54	3.62	128	50	34.60	145.13	139.66	135.00
-6000 W	-600	tg97194	15.56	5304.64	0.47	-0.047	0.29	982,145.56	982138.80	6974394	507990	650.40	62	54	4.39	128	50	34.04	145.10	139.67	135.06
-6000 W	-575	tg97194	16.04	5305.36	0.57	-0.048	0.30	982,146.35	982138.82	6974418	507998	645.79	62	54	5.16	128	50	33.48	144.90	139.52	134.94
-6000 W	-550	tg97194	16.11	5306.42	0.46	-0.049	0.42	982,147.43	982138.83	6974442	508006	639.60	62	54	5.92	128	50	32.92	144.79	139.47	134.95
-6000 W	-550	tg97195	8.03	5306.38	0.48	-0.006	0.42	982,147.44	982138.83	6974442	508006	639.60	62	54	5.92	128	50	32.92	144.81	139.49	134.96
-6000 W	-525	tg97195	8.08	5307.53	0.65	-0.005	0.32	982,148.71	982138.85	6974465	508014	632.18	62	54	6.69	128	50	32.36	144.36	139.10	134.62
-6000 W	-500	tg97195	8.15	5308.30	0.48	-0.005	0.15	982,149.46	982138.86	6974489	508022	626.95	62	54	7.46	128	50	31.81	143.80	138.56	134.10
-6000 W	-475	tg97195	8.20	5308.57	0.51	-0.005	0.02	982,149.76	982138.88	6974513	508029	625.79	62	54	8.22	128	50	31.25	143.68	138.44	133.98

-6000 W	-450	tg97195	8.25	5308.84	0.51	-0.003	0.05	982,150.04	982138.90	6974537	508037	624.88	62	54	8.99	128	50	30.69	143.79	138.56	134.11
-6000 W	-425	tg97195	8.32	5308.72	0.66	-0.002	0.05	982,149.96	982138.91	6974560	508045	627.18	62	54	9.78	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	982138.93	6974584	508053	623.32	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	982138.94	6974608	508061	622.81	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	982138.96	6974632	508069	622.07	62	54	12.06	128	50	28.46	144.14	138.92	134.50
-6000 W	-325	tg97195	8.53	5309.76	0.58	0.001	0.01	982,151.03	982138.97	6974655	508076	621.79	62	54	12.83	128	50	27.90	144.01	138.79	134.36
-6000 W	-300	tg97195	8.59	5309.77	0.53	0.001	0.00	982,151.03	982138.99	6974679	508084	621.13	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	982139.01	6974703	508092	619.86	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	982139.02	6974727	508100	618.89	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	982139.04	6974750	508108	615.57	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	982139.05	6974774	508115	614.01	62	54	16.66	128	50	25.11	143.58	138.43	134.05
-6000 W	-175	tg97195	9.23	5311.00	0.66	0.005	0.00	982,152.37	982139.07	6974798	508123	613.76	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	982,152.36	982139.08	6974821	508131	613.55	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	982139.10	6974845	508139	613.04	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	982139.12	6974869	508147	612.17	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	982139.13	6974893	508155	611.45	62	54	20.49	128	50	22.32	143.28	138.16	133.80
-6000 W	-50	tg97195	9.46	5311.61	0.61	0.007	0.00	982,153.00	982139.15	6974916	508162	610.21	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	982139.16	6974940	508170	609.81	62	54	22.03	128	50	21.20	143.41	138.29	133.95
-6000 W	0	tg97195	9.56	5311.74	0.69	0.007	0.00	982,153.16	982139.18	6974964	508178	609.73	62	54	22.79	128	50	20.64	143.35	138.24	133.90
-6100 W	-1500	tg97195	16.00	5294.23	0.67	-0.049	0.08	982,134.70	982138.26	6973570	507614	710.61	62	53	37.81	128	51	0.83	147.31	141.36	136.30
-6100 W	-1475	tg97195	15.54	5294.59	0.61	-0.047	0.19	982,135.06	982138.27	6973594	507622	707.88	62	53	38.58	128	51	0.28	147.20	141.29	136.26
-6100 W	-1450	tg97195	15.44	5296.51	0.59	-0.046	0.46	982,137.07	982138.29	6973618	507630	696.87	62	53	39.35	128	50	59.72	147.18	141.38	136.45
-6100 W	-1425	tg97195	15.35	5298.32	0.47	-0.044	0.33	982,138.94	982138.31	6973642	507637	687.77	62	53	40.11	128	50	59.16	146.95	141.21	136.34
-6100 W	-1400	tg97195	15.24	5299.42	0.30	-0.042	0.27	982,140.05	982138.32	6973665	507645	681.99	62	53	40.88	128	50	58.61	146.74	141.05	136.22
-6100 W	-1375	tg97195	15.16	5300.63	0.53	-0.040	0.24	982,141.39	982138.34	6973689	507653	675.86	62	53	41.65	128	50	58.05	146.73	141.09	136.30
-6100 W	-1350	tg97195	16.11	5301.51	0.46	-0.051	0.12	982,142.28	982138.35	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	982138.35	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	982138.37	6973737	507669	667.37	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	982138.37	6973737	507669	667.37	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	0.06	982,143.65	982138.38	6973760	507676	664.10	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	982138.40	6973784	507684	662.91	62	53	44.71	128	50	55.82	146.16	140.60	135.88
-6100 W	-1250	tg97195	14.37	5303.37	0.53	-0.031	0.01	982,144.28	982138.41	6973808	507692	660.85	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	982138.41	6973808	507692	660.85	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	982138.43	6973832	507700	660.14	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	982138.45	6973855	507708	659.85	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	982138.46	6973879	507716	659.77	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	982138.48	6973903	507723	659.93	62	53	48.55	128	50	53.03	145.96	140.43	135.72
-6100 W	-1150	tg97195	16.32	5303.48	0.67	-0.054	0.00	982,144.41	982138.48	6973903	507723	659.93	62	53	48.55	128	50	53.03	145.96	140.43	135.73
-6100 W	-1125	tg97195	14.11	5303.45	0.58	-0.026	0.00	982,144.38	982138.49	6973927	507731	659.67	62	53	49.31	128	50	52.47	145.86	140.33	135.63
-6100 W	-1100	tg97195	14.04	5303.35	0.33	-0.024	0.00	982,144.20	982138.51	6973950	507739	659.70	62	53	50.08	128	50	51.92	145.67	140.14	135.44
-6100 W	-1075	tg97195	13.58	5303.17	0.30	-0.021	0.00	982,144.00	982138.52	6973974	507747	659.79	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	982138.54	6973998	507755	659.91	62	53	51.61	128	50	50.80	145.37	139.84	135.14
-6100 W	-1025	tg97195	13.46	5303.11	0.38	-0.020	0.00	982,143.97	982138.56	6974022	507762	659.59	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	982138.57	6974045	507770	659.69	62	53	53.15	128	50	49.68	145.36	139.83	135.13
-6100 W	-975	tg97195	13.37	5303.20	0.36	-0.018	0.00	982,144.06	982138.58	6974065	507786	659.56	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	982138.60	6974094	507776	659.60	62	53	54.73	128	50	49.24	145.48	139.95	135.25
-6100 W	-925	tg97195	13.27	5303.35	0.44	-0.016	0.00	982,144.24	982138.62	6974117	507794	659.55	62	53	55.45	128	50	48.01	145.57	140.04	135.34
-6100 W	-900	tg97195	13.21	5303.24	0.63	-0.015	0.00	982,144.18	982138.63	6974140	507802	660.48	62	53	56.21	128	50	47.45	145.69	140.16	135.45
-6100 W	-875	tg97195	13.14	5302.87	0.67	-0.014	0.00	982,143.81	982138.65	6974164	507809	662.01	62	53	56.98	128	50	46.90	145.63	140.08	135.36
-6100 W	-850	tg97195	13.09	5302.71	0.71	-0.013	0.03	982,143.65	982138.67	6974188	507817	663.18	62	53	57.75	128	50	46.34	145.74	140.18	135.46
-6100 W	-825	tg97195	13.04	5302.75	0.71	-0.012	0.04	982,143.70	982138.68	6974212	507825	663.33	62	53	58.51	128	50	45.78	145.81	140.25	135.53
-6100 W	-800	tg97195	12.59	5303.00	0.66	-0.009	0.03	982,143.95	982138.70	6974235	507833	661.76	62	53	59.28	128	50	45.22	145.70	140.15	135.44
-6100 W	-775	tg97195	12.55	5303.25	0.63	-0.009	0.04	982,144.20	982138.71	6974259	507841	660.00	62	54	0.04	128	50	44.66	145.58	140.05	135.35
-6100 W	-750	tg97195	12.41	5303.55	0.60	-0.007	0.03	982,144.51	982138.73	6974283	507849	657.89	62	54	0.81	128	50	44.11	145.41	139.90	135.21
-6100 W	-725	tg97195	12.35	5303.96	0.62	-0.006	0.11	982,144.95	982138.74	6974307	507856	655.38	62	54	1.57	128	50	43.55	145.39	139.91	135.25
-6100 W	-700	tg97195	12.29	5304.46	0.57	-0.005	0.07	982,145.46	982138.76	6974330	507864	652.61	62	54	2.34	128	50	42.99	145.25	139.79	135.14
-6100 W	-675	tg97195	12.24	5304.79	0.51	-0.004	0.14	982,145.79	982138.78	6974354	507872	650.27	62	54	3.11	128	50	42.43	145.15	139.71	135.09
-6100 W	-650	tg97195	12.16	5305.42	0.54	-0.003	0.15	982,146.46	982138.79	6974378	507880	646.51	62	54	3.87	128	50	41.88	145.02	139.62	135.02
-6100 W	-625	tg97195	12.10	5306.14	0.55	-0.002	0.24	982,147.22	982138.81	6974402	507888	642.10	62	54	4.64	128	50	41.32	144.93	139.57	135.02
-6100 W	-600	tg97195	12.03	5306.75	0.40	-0.001	0.33	982,147.82	982138.82	6974425	507895	638.47	62	54	5.41	128	50	40.76	144.85	139.53	135.01
-6100 W	-575	tg97195	11.57	5307.71	0.53	0.001	0.21	982,148.87	982138.84	6974449	507903	632.70	62	54	6.17	128	50	40.20	144.52	139.24	134.75
-6100 W	-550	tg97195	11.50	5308.44	0.54	0.001	0.13	982,149.64	982138.85	6974473	507911	627.43	62	54	6.94	128	50	39.64	144.06	138.82	134.36

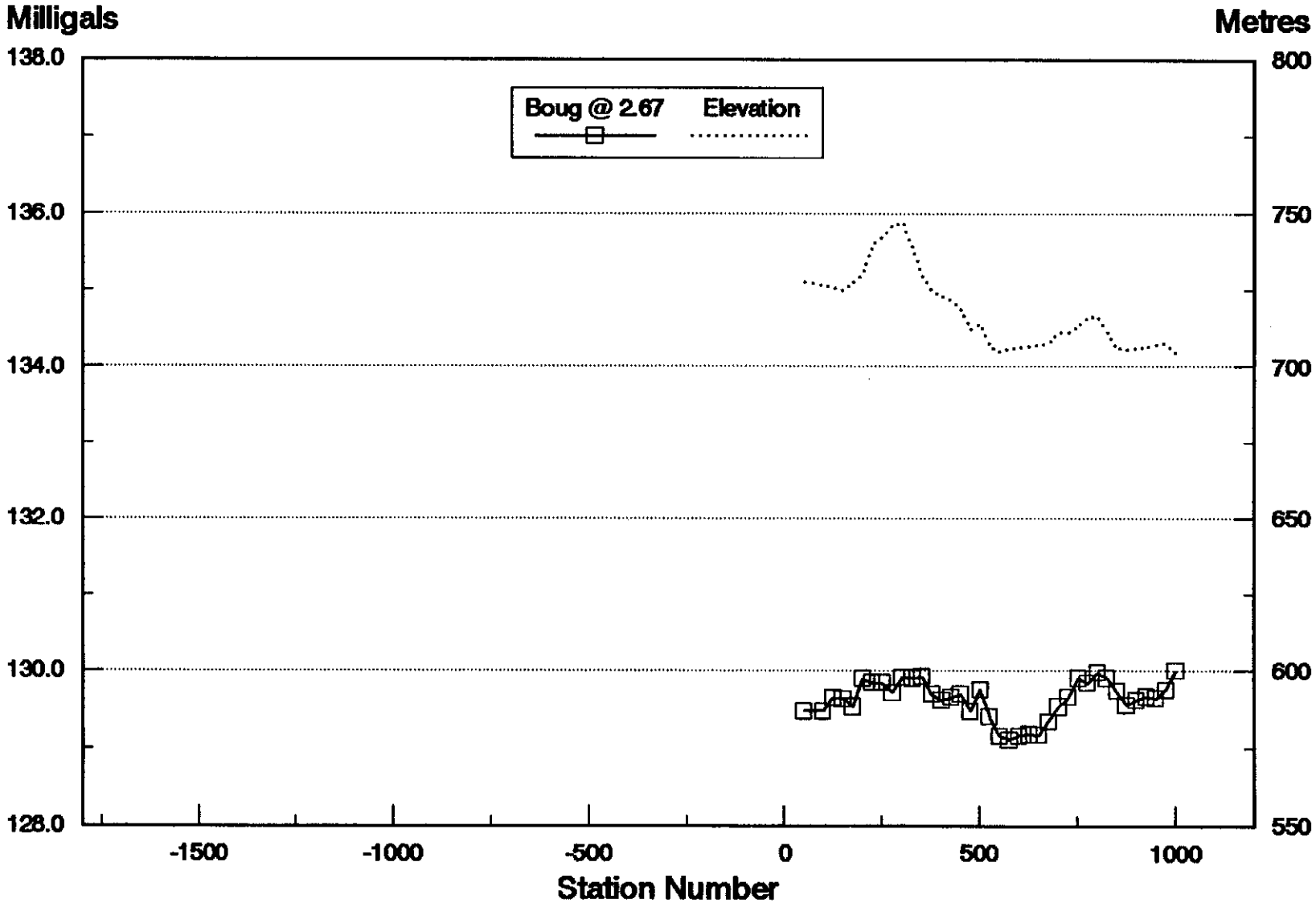
-6100 W	-525	tg97195	11.45	5308.66	0.53	0.002	0.05	982,149.87	982138.87	6974497	507919	625.35	62	54	7.71	128	50	39.09	143.74	138.51	134.05
-6100 W	-500	tg97195	11.40	5309.56	0.46	0.003	0.05	982,150.79	982138.88	6974520	507927	623.00	62	54	8.47	128	50	38.53	144.16	138.94	134.50
-6100 W	-475	tg97195	11.35	5309.42	0.54	0.004	0.00	982,150.87	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	36.85	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	6974615	507958	623.53	62	54	11.55	128	50	36.30	144.15	138.92	134.48
-6100 W	-375	tg97195	11.18	5309.04	0.70	0.005	0.07	982,150.32	982138.96	6974639	507966	625.66	62	54	12.31	128	50	35.74	144.19	138.96	134.50
-6100 W	-350	tg97195	11.11	5309.70	0.58	0.006	0.14	982,150.96	982138.96	6974663	507974	622.64	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	138.68	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	138.68	134.28
-6100 W	-225	tg97195	10.42	5311.07	0.55	0.007	0.05	982,152.41	982139.06	6974782	508013	614.65	62	54	16.91	128	50	32.39	143.83	138.68	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	6974829	508028	611.39	62	54	18.45	128	50	31.27	143.69	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	143.66	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	143.60	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	143.61	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	610.63	62	54	21.51	128	50	29.04	143.59	138.47	134.12
-6100 W	-50	tg97195	10.11	5311.82	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	5297.46	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	5297.06	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	5297.22	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	5297.80	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	5299.46	0.51	0.028	0.87	982,140.20	982138.30	6973633	507424	681.16	62	53	39.85	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	147.06	141.52	136.81
-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	146.50	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	659.62	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	657.36	62	53	44.45	128	51	10.93	146.29	140.78	136.11
-6300 W	-1325	tg97197	12.10	5304.35	0.57	0.035	0.02	982,145.36	982138.41	6973799	507479	656.01	62	53	45.22	128	51	10.38	146.17	140.67	136.00
-6300 W	-1300	tg97197	12.06	5304.46	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	654.62	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	982138.46	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	654.66	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	507526	655.52	62	53	49.82	128	51	7.03	146.01	140.52	135.85
-6300 W	-1150	tg97197	11.39	5303.78	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	135.68
-6300 W	-1125	tg97197	11.33	5302.96	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	135.60
-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	145.69	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	139.93	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	139.93	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	145.56	139.94	135.16
-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	5299.53	0.66	0.036	0.20	982,140.32	982138.61	6974108	507580	677.26	62	53	55.18	128	51	3.12	145.65	139.99	135.18
-6300 W	-975	tg97197	10.56	5299.17	0.71	0.036	0.06	982,139.96	982138.63	6974132	507588	679.22	62	53	55.95	128	51	2.57	145.52	139.83	135.00
-6300 W	-950	tg97197	10.51	5299.51	0.62	0.036	0.11	982,140.29	982138.64	6974155	507596	677.83	62	53	56.72	128	51	2.01	145.60	139.92	135.10
-6300 W	-925	tg97197	10.45	5300.26	0.58	0.035	0.18	982,141.06	982138.66	6974179	507604	674.16	62	53	57.48	128	51	1.45	145.65	140.02	135.23
-6300 W	-900	tg97197	10.39	5301.32	0.49	0.034	0.24	982,142.15	982138.68	6974203	507612	668.90	62	53	58.25	128	51	0.89	145.68	140.09	135.35
-6300 W	-875	tg97197	10.33	5302.62	0.54	0.033	0.29	982,143.53	982138.69	6974227	507619	662.15	62	53	59.02	128	51	0.33	145.67	140.15	135.45
-6300 W	-850	tg97197	10.26	5303.80	0.60	0.033	0.18	982,144.79	982138.71	6974250	507627	656.04	62	53	59.78	128	50	59.78	145.49	140.01	135.35
-6300 W	-825	tg97197	10.14	5304.57	0.58	0.031	0.09	982,145.59	982138.72	6974274	507635	651.84	62	54	0.54	128	50	59.22	145.28	139.82	135.19
-6300 W	-800	tg97197	10.09	5305.02	0.62	0.030	0.09	982,146.07	982138.74	6974298	507643	649.28	62	54	1.31	128	50	58.67	145.20	139.77	135.15
-6300 W	-775	tg97197	10.02	5305.37	0.57	0.028	0.03	982,146.42	982138.75	6974322	507651	647.13	62	54	2.08	128	50	58.11	145.01	139.59	134.98
-6300 W	-750	tg97197	9.55	5305.69	0.55	0.026	0.04	982,146.75	982138.77	6974345	507659	645.29	62	54	2.84	128	50	57.55	144.95	139.54	134.95
-6300 W	-725	tg97197	9.49	5305.99	0.61	0.026	0.09	982,147.08	982138.79	6974369	507666	643.34	62	54	3.61	128	50	56.99	144.91	139.52	134.95
-6300 W	-700	tg97197	9.44	5306.48	0.63	0.024	0.07	982,147.60	982138.80	6974393	507674	640.48	62	54	4.38	128	50	56.44	144.78	139.42	134.86
-6300 W	-675	tg97197	9.39	5306.87	0.64	0.023	0.09	982,148.02	982138.82	6974417	507682	638.42	62	54	5.14	128	50	55.88	144.76	139.42	134.88
-6300 W	-650	tg97197	9.32	5307.41	0.55	0.021	0.15	982,148.55	982138.83	6974440	507690	635.31	62	54	5.91	128	50	55.32	144.70	139.38	134.87

-6300 W	-625	tg97197	9.26	5308.31	0.54	0.020	0.08	982,149.49	982138.85	6974464	507698	630.64	62	54	6.68	128	50	54.76	144.55	139.27	134.78
-6300 W	-600	tg97197	9.20	5308.93	0.65	0.018	0.06	982,150.18	982138.86	6974488	507705	627.24	62	54	7.44	128	50	54.20	144.47	139.22	134.76
-6300 W	-575	tg97197	9.12	5309.70	0.54	0.016	0.08	982,150.95	982138.88	6974512	507713	623.09	62	54	8.21	128	50	53.65	144.37	139.16	134.72
-6300 W	-550	tg97197	9.06	5310.24	0.50	0.014	0.09	982,151.51	982138.90	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	982138.91	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	982138.93	6974583	507737	616.90	62	54	10.51	128	50	51.97	143.78	138.61	134.22
-6300 W	-475	tg97197	8.49	5310.67	0.69	0.009	0.03	982,152.01	982138.94	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	982138.96	6974630	507752	615.47	62	54	12.05	128	50	50.86	143.61	138.65	134.27
-6300 W	-425	tg97197	8.37	5311.12	0.63	0.004	0.07	982,152.46	982138.97	6974654	507760	614.31	62	54	12.81	128	50	50.30	143.91	138.77	134.40
-6300 W	-400	tg97197	8.32	5311.31	0.61	0.003	0.02	982,152.65	982138.99	6974678	507768	613.04	62	54	13.58	128	50	49.74	143.76	138.62	134.26
-6300 W	-375	tg97197	8.27	5311.38	0.63	0.001	0.02	982,152.73	982139.01	6974702	507776	612.33	62	54	14.35	128	50	49.18	143.67	138.54	134.18
-6300 W	-350	tg97197	8.23	5311.62	0.50	-0.001	0.00	982,152.94	982139.02	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	982139.04	6974749	507791	610.86	62	54	15.88	128	50	48.07	143.62	138.50	134.14
-6300 W	-325	tg97196	16.31	5311.77	0.56	-0.052	0.00	982,153.06	982139.04	6974749	507791	610.86	62	54	15.88	128	50	48.07	143.64	138.52	134.16
-6300 W	-300	tg97196	16.26	5311.96	0.62	-0.051	0.00	982,153.28	982139.05	6974773	507799	610.18	62	54	16.65	128	50	47.51	143.70	138.58	134.24
-6300 W	-275	tg97196	16.20	5312.10	0.64	-0.049	0.00	982,153.44	982139.07	6974797	507807	609.69	62	54	17.41	128	50	46.95	143.73	138.62	134.28
-6300 W	-250	tg97196	16.16	5312.45	0.57	-0.048	0.00	982,153.78	982139.08	6974820	507815	607.85	62	54	18.18	128	50	46.39	143.68	138.58	134.25
-6300 W	-225	tg97196	16.11	5312.52	0.47	-0.048	0.00	982,153.83	982139.10	6974844	507823	606.96	62	54	18.95	128	50	45.84	143.52	138.43	134.10
-6300 W	-200	tg97196	16.06	5312.59	0.61	-0.045	0.00	982,153.95	982139.11	6974868	507831	605.91	62	54	19.71	128	50	45.28	143.40	138.32	134.00
-6300 W	-175	tg97196	16.01	5312.60	0.58	-0.043	0.00	982,153.95	982139.13	6974892	507838	605.53	62	54	20.48	128	50	44.72	143.30	138.23	133.91
-6300 W	-150	tg97196	15.56	5312.96	0.45	-0.041	0.01	982,154.29	982139.15	6974915	507846	603.97	62	54	21.25	128	50	44.16	143.31	138.25	133.94
-6300 W	-125	tg97196	15.51	5312.81	0.60	-0.041	0.00	982,154.18	982139.16	6974939	507854	604.54	62	54	22.01	128	50	43.61	143.29	138.22	133.92
-6300 W	-100	tg97196	15.46	5312.56	0.69	-0.040	0.05	982,153.95	982139.18	6974963	507862	605.34	62	54	22.78	128	50	43.05	143.27	138.20	133.89
-6300 W	-75	tg97196	15.41	5312.04	0.67	-0.038	0.00	982,153.40	982139.19	6974987	507870	607.65	62	54	23.55	128	50	42.49	143.14	138.04	133.71
-6300 W	-50	tg97196	15.36	5312.38	0.69	-0.037	0.03	982,153.76	982139.21	6975010	507877	605.97	62	54	24.31	128	50	41.93	143.16	138.09	133.77
-6300 W	-25	tg97196	15.31	5312.94	0.53	-0.035	0.02	982,154.30	982139.22	6975034	507885	603.30	62	54	25.08	128	50	41.37	143.11	138.05	133.76
-6300 W	0	tg97196	15.25	5313.03	0.64	-0.034	0.05	982,154.43	982139.24	6975058	507893	603.18	62	54	25.85	128	50	40.82	143.23	138.18	133.89
-6400 W	-1600	tg97197	13.29	5298.45	0.63	0.020	0.82	982,139.17	982138.24	6973549	507358	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	982138.26	6973573	507365	686.61	62	53	37.91	128	51	18.45	147.72	142.05	137.23
-6400 W	-1550	tg97197	13.39	5299.26	0.58	0.017	0.88	982,140.00	982138.28	6973597	507373	682.58	62	53	38.68	128	51	17.92	147.57	141.93	137.15
-6400 W	-1525	tg97197	13.46	5300.91	0.54	0.016	0.81	982,141.72	982138.29	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	982,143.36	982138.31	6973645	507388	665.83	62	53	40.22	128	51	16.85	147.00	141.47	136.77
-6400 W	-1475	tg97197	13.57	5302.98	0.45	0.015	0.30	982,143.87	982138.32	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	982138.34	6973692	507403	662.29	62	53	41.76	128	51	15.79	146.62	141.08	136.38
-6400 W	-1425	tg97197	14.05	5303.58	0.54	0.010	0.13	982,144.52	982138.35	6973716	507410	660.82	62	53	42.53	128	51	15.26	146.53	141.00	136.30
-6400 W	-1400	tg97197	14.09	5304.13	0.58	0.008	0.10	982,145.11	982138.37	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	982138.39	6973764	507425	655.98	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	982138.40	6973788	507432	654.34	62	53	44.84	128	51	13.66	146.21	140.73	136.07
-6400 W	-1325	tg97197	14.22	5304.80	0.58	0.004	0.00	982,145.81	982138.42	6973812	507440	653.76	62	53	45.61	128	51	13.12	146.11	140.63	135.97
-6400 W	-1300	tg97197	14.26	5304.87	0.62	0.003	0.00	982,145.89	982138.43	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	0.55	0.001	0.00	982,145.87	982138.45	6973859	507455	653.49	62	53	47.16	128	51	12.06	146.08	140.60	135.95
-6400 W	-1250	tg97197	14.37	5304.90	0.54	-0.001	0.00	982,145.90	982138.46	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	982138.48	6973907	507470	653.35	62	53	48.70	128	51	10.99	146.02	140.54	135.88
-6400 W	-1200	tg97197	14.47	5304.81	0.55	-0.005	0.00	982,145.59	982138.50	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	982138.51	6973955	507485	654.44	62	53	50.24	128	51	9.92	145.84	140.35	135.69
-6400 W	-1150	tg97197	15.06	5304.08	0.56	-0.011	0.02	982,145.03	982138.53	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	0.66	-0.014	0.04	982,144.42	982138.54	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	982138.56	6974026	507507	659.65	62	53	52.55	128	51	8.32	145.66	140.13	135.44
-6400 W	-1075	tg97197	15.23	5303.06	0.67	-0.018	0.10	982,143.99	982138.58	6974050	507515	660.25	62	53	53.32	128	51	7.79	145.62	140.10	135.40
-6500 W	-1800	tg97196	8.15	5299.80	0.47	-0.001	0.49	982,140.53	982138.15	6973411	507140	682.33	62	53	32.68	128	51	34.41	147.72	142.04	137.22
-6500 W	-1775	tg97196	8.20	5301.16	0.71	-0.002	0.64	982,142.03	982138.17	6973434	507148	675.50	62	53	33.45	128	51	33.85	147.92	142.32	137.56
-6500 W	-1750	tg97196	8.25	5302.38	0.57	0.002	0.64	982,143.27	982138.18	6973458	507156	669.07	62	53	34.22	128	51	33.30	147.79	142.24	137.53
-6500 W	-1725	tg97196	8.30	5303.17	0.50	0.003	0.41	982,144.08	982138.20	6973482	507164	665.11	62	53	34.98	128	51	32.74	147.48	141.94	137.23
-6500 W	-1700	tg97196	8.35	5303.63	0.54	0.005	0.22	982,144.58	982138.22	6973506	507171	662.76	62	53	35.75	128	51	32.18	147.24	141.70	137.00
-6500 W	-1675	tg97196	8.40	5303.97	0.58	0.006	0.10	982,144.95	982138.23	6973529	507179	660.57	62	53	36.52	128	51	31.62	146.99	141.46	136.76
-6500 W	-1650	tg97196	8.45	5304.17	0.36	0.007	0.02	982,145.09	982138.25	6973553	507187	659.38	62	53	37.28	128	51	31.07	146.78	141.25	136.55
-6500 W	-1625	tg97196	8.52	5304.10	0.57	0.008	0.00	982,145.08	982138.26	6973577	507195	658.57	62	53	38.05	128	51	30.51	146.56	141.04	136.34
-6500 W	-1600	tg97196	8.58	5304.11	0.65	0.008	0.00	982,145.12	982138.28	6973601	507203	657.97	62	53	38.82	128	51	29.95	146.45	140.93	136.24
-6500 W	-1575	tg97196	9.03	5304.42	0.37	0.012	0.00	982,145.36	982138.29	6973624	507211	656.77	62	53	39.58	128	51	29.39	146.42	140.91	136.23
-6500 W	-1550	tg97196	9.06	5304.44	0.58	0.013	0.00	982,145.45	982138.31	6973648	507218	656.53	62	53	40.35	128	51	28.84	146.44	140.94	136.26
-6500 W	-1525	tg97196	9.15	5304.82	0.50	0.014	0.00	982,145.82	982138.33	6973672	507226	655.50	62	53	41.12	128	51	28.28	146.58	141.09	136.42
-6500 W	-1500	tg97196	9.19	5304.88	0.52	0.015	0.00	982,145.89	982138.34	6973696	507234	655.06	62	53	41.88	128	51	27.72	146.54	141.05	136.38

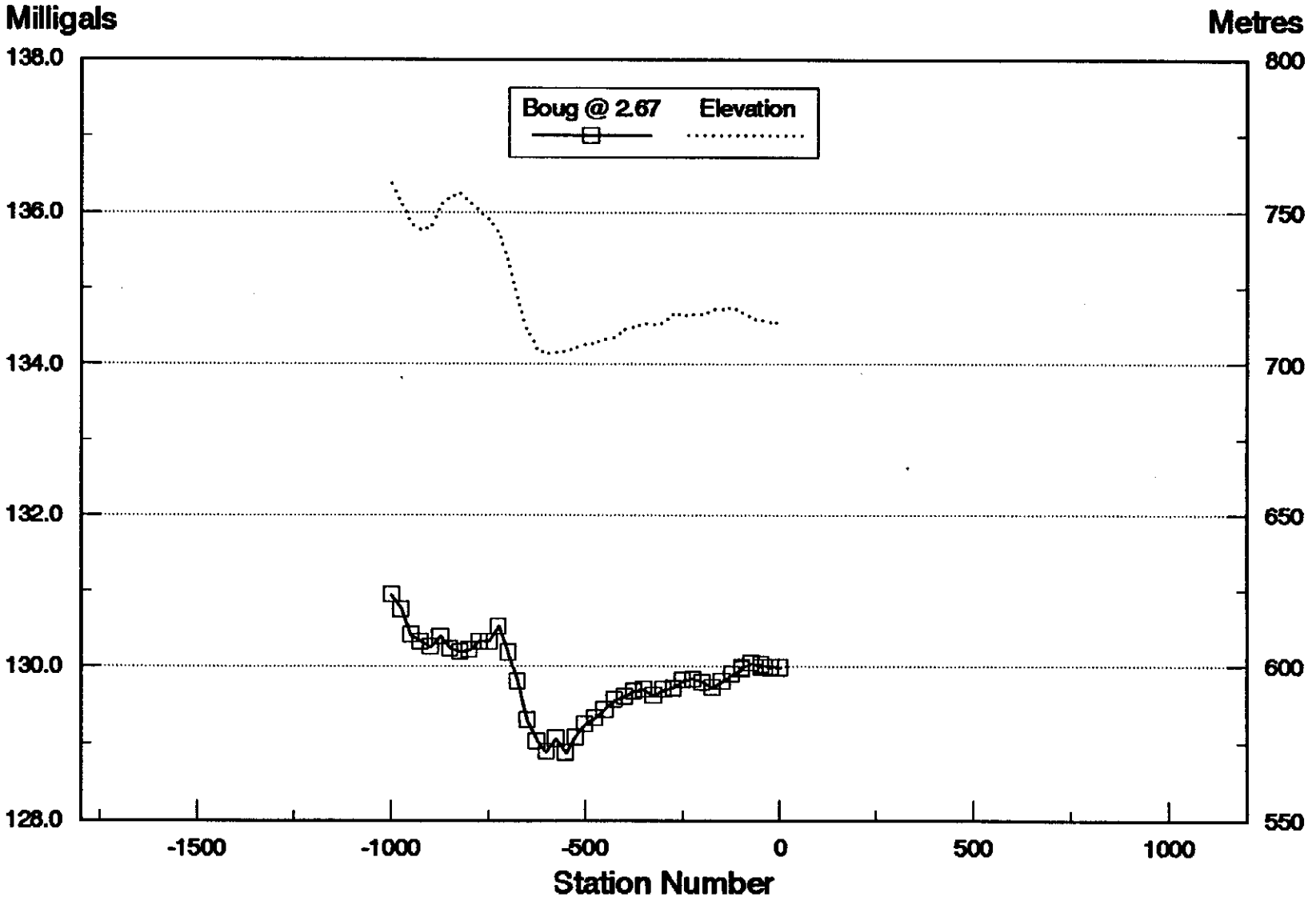
-6500 W	-1475	tg97196	9.25	5305.00	0.60	0.016	0.00	982,146.04	982138.36	6973719	507242	654.25	62	53	42.65	128	51	27.16	146.51	141.02	136.36
-6500 W	-1450	tg97196	9.29	5305.13	0.71	0.016	0.00	982,146.21	982138.37	6973743	507250	653.53	62	53	43.42	128	51	26.61	146.51	141.03	136.37
-6500 W	-1425	tg97196	9.34	5305.18	0.60	0.017	0.00	982,146.23	982138.39	6973767	507257	653.01	62	53	44.18	128	51	26.05	146.40	140.93	136.27
-6500 W	-1400	tg97196	9.39	5305.18	0.63	0.018	0.00	982,146.24	982138.40	6973791	507265	652.74	62	53	44.95	128	51	25.49	146.34	140.87	136.22
-6500 W	-1375	tg97196	9.43	5305.24	0.63	0.018	0.00	982,146.31	982138.42	6973814	507273	652.21	62	53	45.72	128	51	24.93	146.28	140.81	136.16
-6500 W	-1350	tg97196	9.48	5305.16	0.63	0.019	0.00	982,146.22	982138.44	6973838	507281	652.10	62	53	46.48	128	51	24.38	146.15	140.69	136.04
-6500 W	-1325	tg97196	9.53	5305.02	0.56	0.019	0.00	982,146.05	982138.45	6973862	507289	652.30	62	53	47.25	128	51	23.82	146.01	140.54	135.89
-6500 W	-1300	tg97196	9.58	5305.10	0.58	0.019	0.00	982,146.14	982138.47	6973886	507297	652.20	62	53	48.02	128	51	23.26	146.06	140.60	135.95
-6500 W	-1275	tg97196	10.02	5305.16	0.64	0.020	0.00	982,146.23	982138.48	6973909	507304	652.21	62	53	48.78	128	51	22.71	146.13	140.66	136.02
-6500 W	-1250	tg97196	10.07	5305.18	0.54	0.021	0.00	982,146.22	982138.50	6973933	507312	652.39	62	53	49.55	128	51	22.15	146.15	140.68	136.03
-6500 W	-1225	tg97196	10.12	5304.98	0.59	0.021	0.00	982,146.02	982138.51	6973957	507320	652.77	62	53	50.32	128	51	21.59	146.02	140.54	135.89
-6500 W	-1200	tg97196	10.18	5304.87	0.56	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	135.86
-6500 W	-1175	tg97196	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	146.01	140.54	135.88
-6500 W	-1150	tg97196	10.27	5304.17	0.66	0.023	0.04	982,145.19	982138.56	6974028	507343	655.99	62	53	52.62	128	51	19.92	145.87	140.37	135.70
-6500 W	-1125	tg97196	10.32	5303.21	0.61	0.023	0.12	982,144.17	982138.58	6974052	507351	660.44	62	53	53.38	128	51	19.36	145.87	140.34	135.64
-6500 W	-1100	tg97196	10.44	5301.82	0.75	0.023	0.16	982,142.75	982138.59	6974076	507359	667.12	62	53	54.15	128	51	18.80	145.89	140.32	135.56
-6500 W	-1075	tg97196	10.58	5301.98	0.63	0.023	0.15	982,142.86	982138.61	6974099	507367	666.60	62	53	54.92	128	51	18.24	145.87	140.29	135.56
-6500 W	-1050	tg97196	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	tg97196	11.09	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	tg97196	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	140.19	135.44
-6500 W	-975	tg97196	11.18	5302.42	0.55	0.023	0.32	982,143.32	982138.67	6974194	507398	663.70	62	53	57.98	128	51	16.01	145.84	140.31	135.61
-6500 W	-950	tg97196	11.22	5303.28	0.66	0.023	0.36	982,144.26	982138.69	6974218	507406	659.16	62	53	58.75	128	51	15.46	145.85	140.36	135.69
-6500 W	-925	tg97196	11.26	5304.09	0.66	0.022	0.28	982,145.11	982138.70	6974242	507414	654.83	62	53	59.52	128	51	14.90	145.67	140.21	135.57
-6500 W	-900	tg97196	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	tg97196	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	tg97196	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	tg97196	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	tg97196	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	tg97196	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	tg97196	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	tg97196	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	tg97196	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	tg97196	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	tg97196	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	-650	tg97196	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	-625	tg97196	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	-600	tg97196	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	-575	tg97196	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	-550	tg97196	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	-525	tg97196	12.47	5311.36	0.54	0.011	0.06	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	-500	tg97196	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	-475	tg97196	13.07	5311.43	0.70	0.007	0.00	982,152.81	982138.98	6974669	507555	613.86	62	54	13.32	128	51	4.86	144.08	138.93	134.56
-6500 W	-450	tg97196	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	-425	tg97196	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	-400	tg97196	13.21	5311.28	0.67	0.003	0.01	982,152.64	982139.03	6974740	507578	613.83	62	54	15.62	128	51	3.18	143.87	138.72	134.35
-6500 W	-375	tg97196	13.25	5311.87	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	-350	tg97196	13.30	5312.00	0.64	0.000	0.02	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	-325	tg97196	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	-300	tg97196	13.40	5312.35	0.52	-0.002	0.00	982,153.72	982139.09	6974835	507609	608.49	62	54	18.68	128	51	0.95	143.73	138.63	134.30
-6500 W	-275	tg97196	13.45	5312.62	0.62	-0.004	0.00	982,154.03	982139.11	6974859	507617	606.97	62	54	19.45	128	51	0.39	143.71	138.62	134.29
-6500 W	-250	tg97196	13.49	5312.61	0.55	-0.005	0.02	982,154.00	982139.13	6974883	507625	606.76	62	54	20.22	128	50	59.84	143.64	138.55	134.23
-6500 W	-225	tg97196	13.56	5312.50	0.70	-0.005	0.02	982,153.93	982139.14	6974907	507633	607.08	62	54	20.98	128	50	59.28	143.62	138.53	134.21
-6500 W	-200	tg97196	14.00	5312.09	0.74	-0.008	0.00	982,153.50	982139.16	6974930	507641	608.78	62	54	21.75	128	50	58.73	143.52	138.42	134.08
-6500 W	-175	tg97196	14.06	5311.87	0.74	-0.010	0.05	982,153.27	982139.17	6974954	507648	609.32	62	54	22.52	128	50	58.17	143.44	138.34	134.00
-6500 W	-150	tg97196	14.10	5311.88	0.74	-0.011	0.08	982,153.28	982139.19	6974978	507656	609.00	62	54	23.28	128	50	57.61	143.40	138.31	133.97
-6500 W	-150	tg97196	14.58	5311.91	0.73	-0.023	0.08	982,153.29	982139.19	6974978	507656	609.00	62	54	23.28	128	50	57.61	143.42	138.32	133.99
-6500 W	-125	tg97196	14.14	5312.12	0.73	-0.012	0.13	982,153.53	982139.20	6975002	507664	607.63	62	54	24.05	128	50	57.05	143.40	138.32	134.00
-6500 W	-125	tg97196	15.03	5312.15	0.70	-0.027	0.13	982,153.53	982139.20	6975002	507664	607.63	62	54	24.05	128	50	57.05	143.41	138.33	134.01
-6500 W	-100	tg97196	14.53	5312.53	0.77	-0.023	0.10	982,153.96	982139.22	6975025	507672	605.44	62	54	24.82	128	50	56.49	143.32	138.25	133.95
-6500 W	-100	tg97196	14.18	5312.54	0.77	-0.013	0.10	982,153.98	982139.22	6975025	507672	605.44	62	54	24.82	128	50	56.49	143.34	138.27	133.97
-6500 W	-75	tg97196	14.23	5313.42	0.60	-0.015	0.15	982,154.85	982139.23	6975049	507680	601.42	62	54	25.58	128	50	55.94	143.40	138.37	134.10
-6500 W	-75	tg97196	15.08	5313.44	0.59	-0.028	0.15	982,154.85	982139.23	6975049	507680	601.42	62	54	25.58	128	50	55.94	143.40	138.38	134.10

-6500 W	-50	tg97196	14.28	5314.20	0.59	-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	0.66	-0.018	0.04	982,156.33	982139.27	6975097	507695	594.43	62	54	27.12	128	50	54.82	143.24	138.26	134.02
-6500 W	-25	tg97196	15.16	5314.83	0.71	-0.031	0.04	982,156.35	982139.27	6975097	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

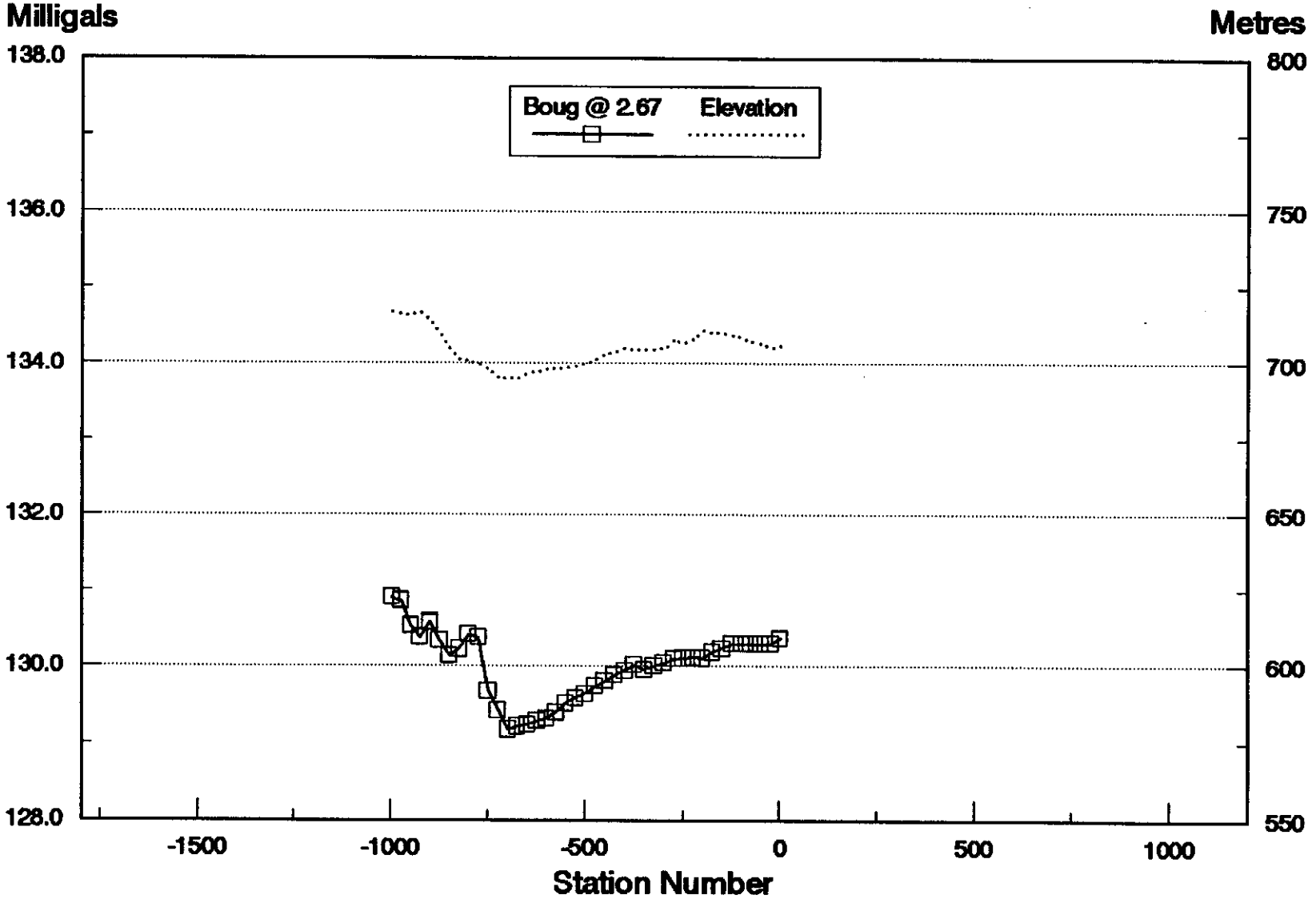
Line 3300W Gravity Profile



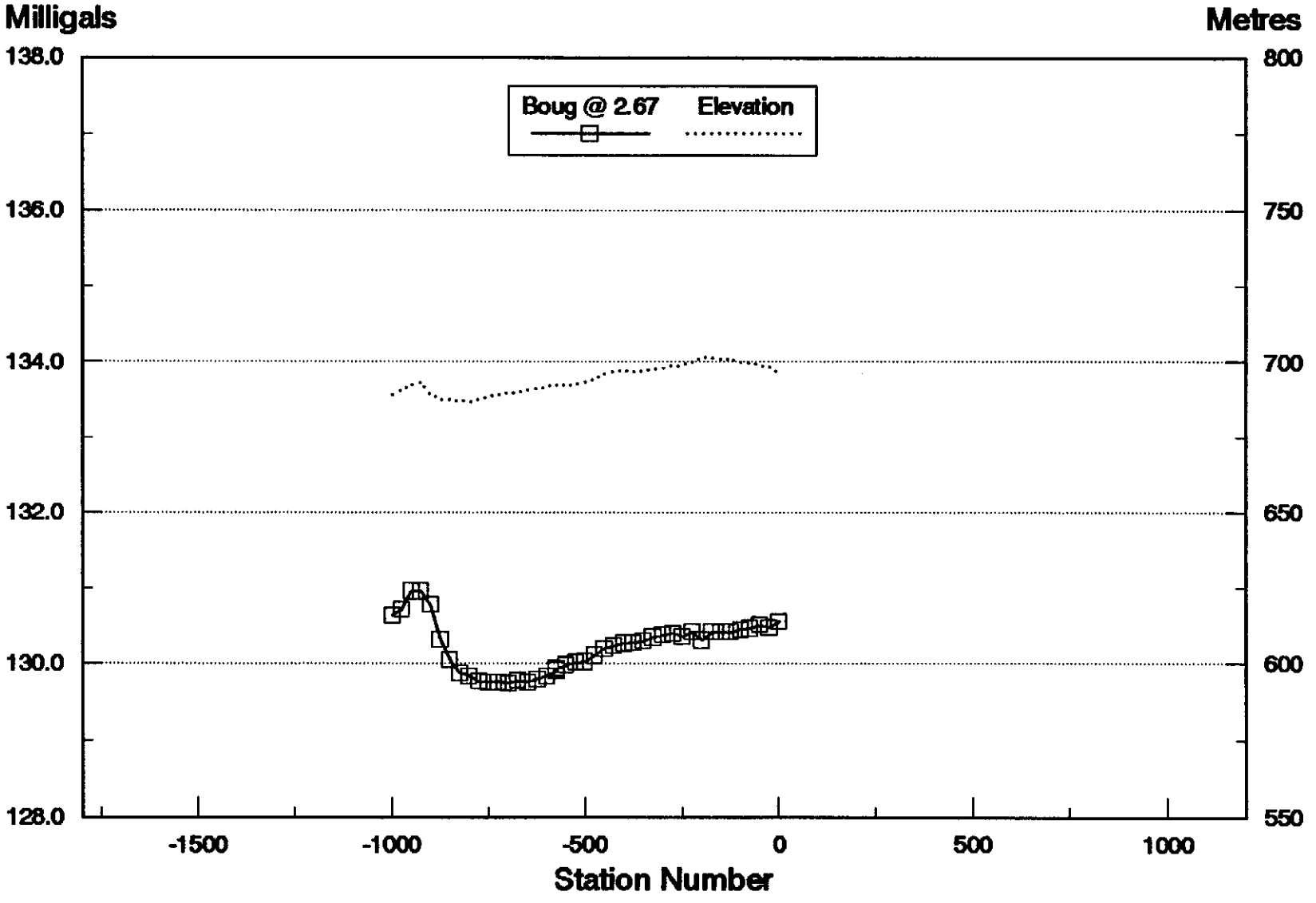
Line 3500W Gravity Profile



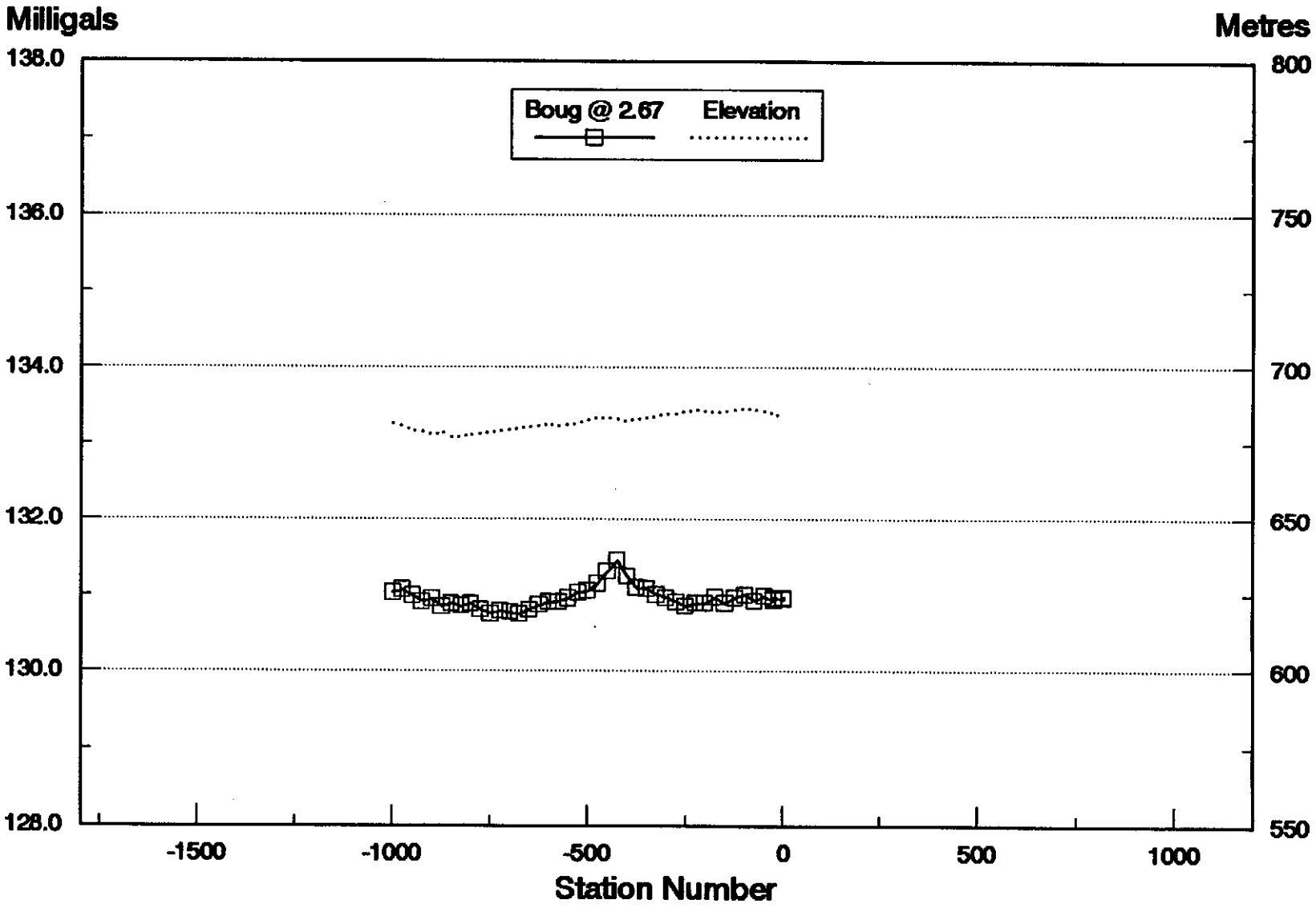
Line 3600W Gravity Profile



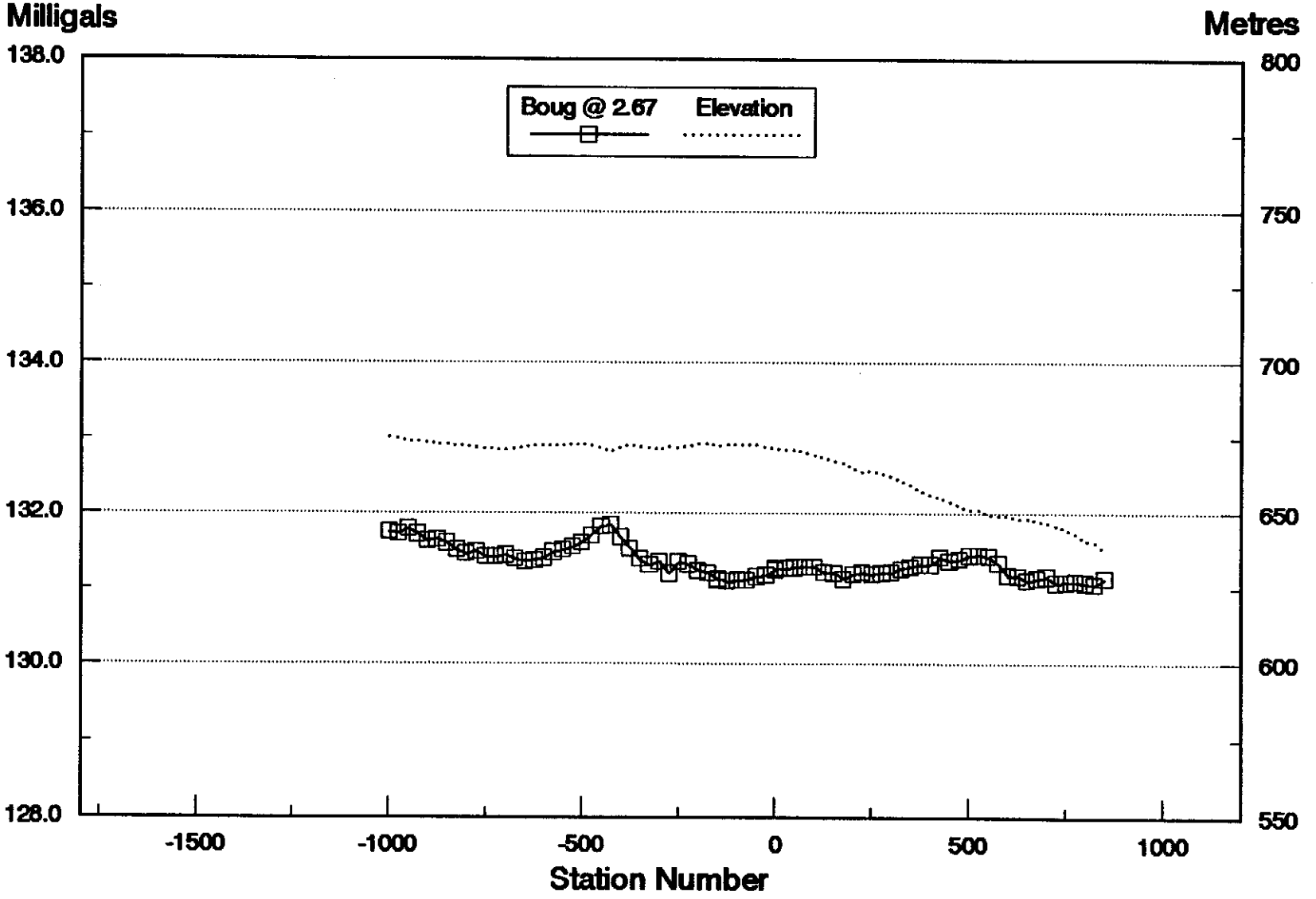
Line 3700W Gravity Profile



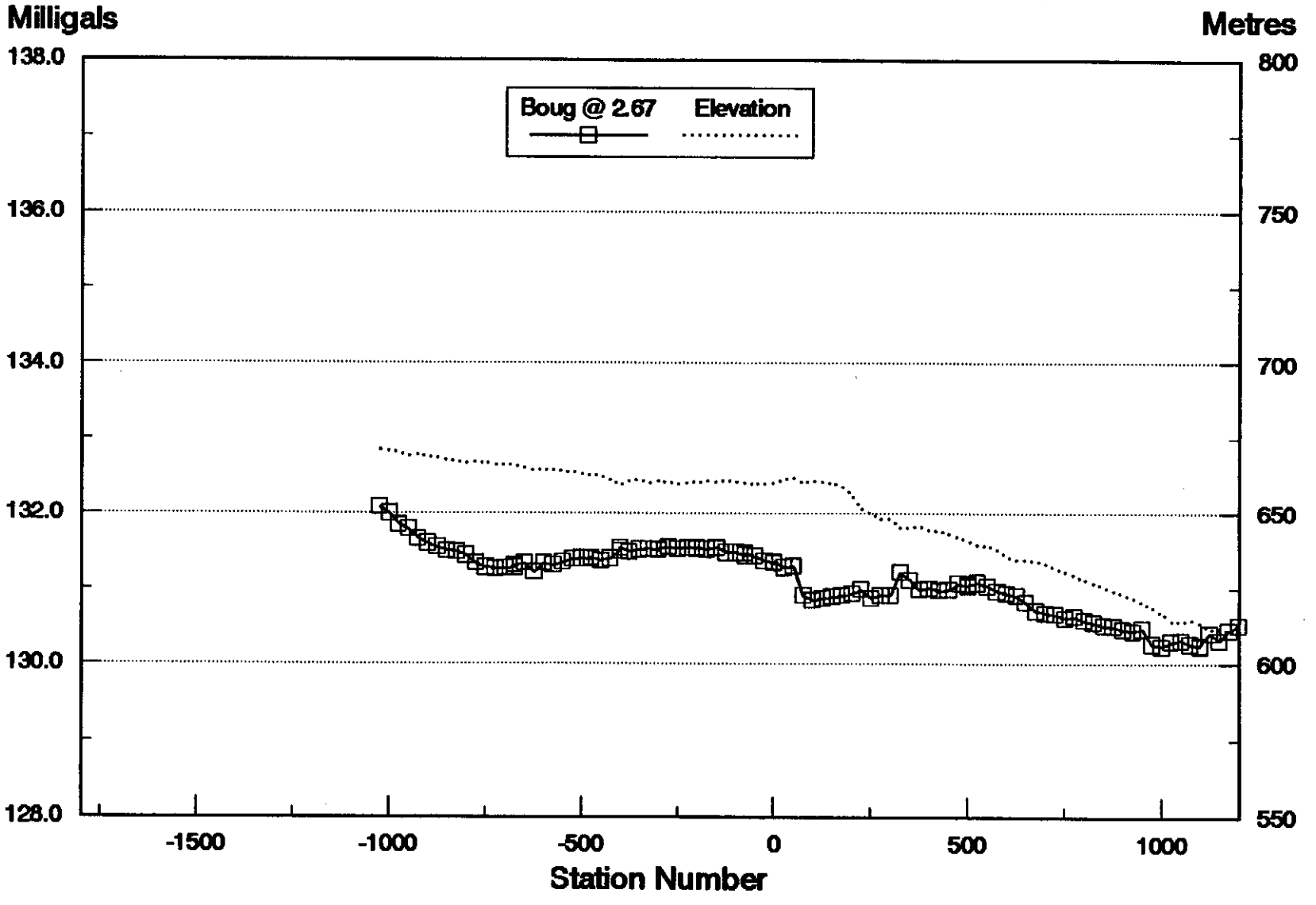
Line 3900W Gravity Profile



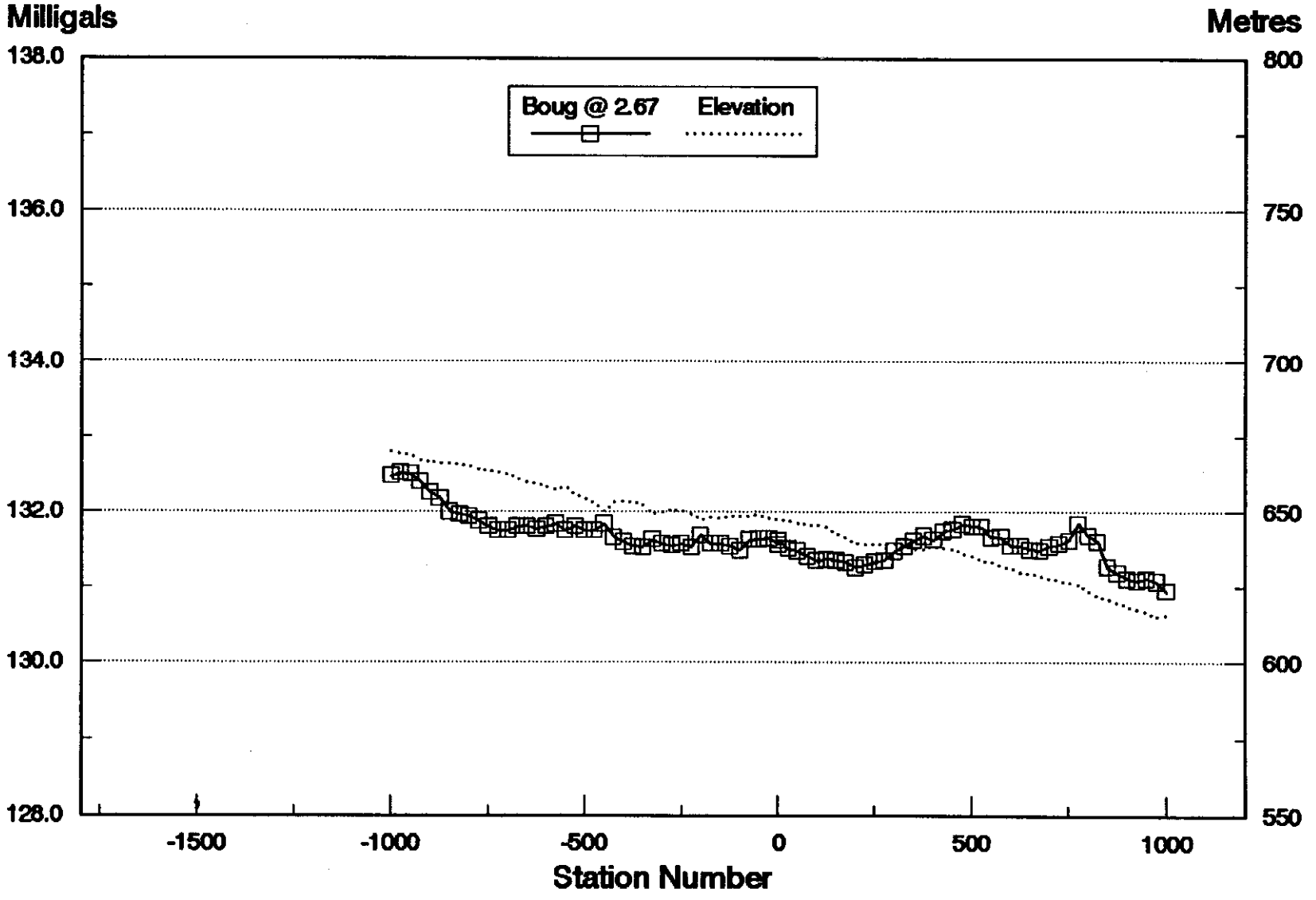
Line 4100W Gravity Profile



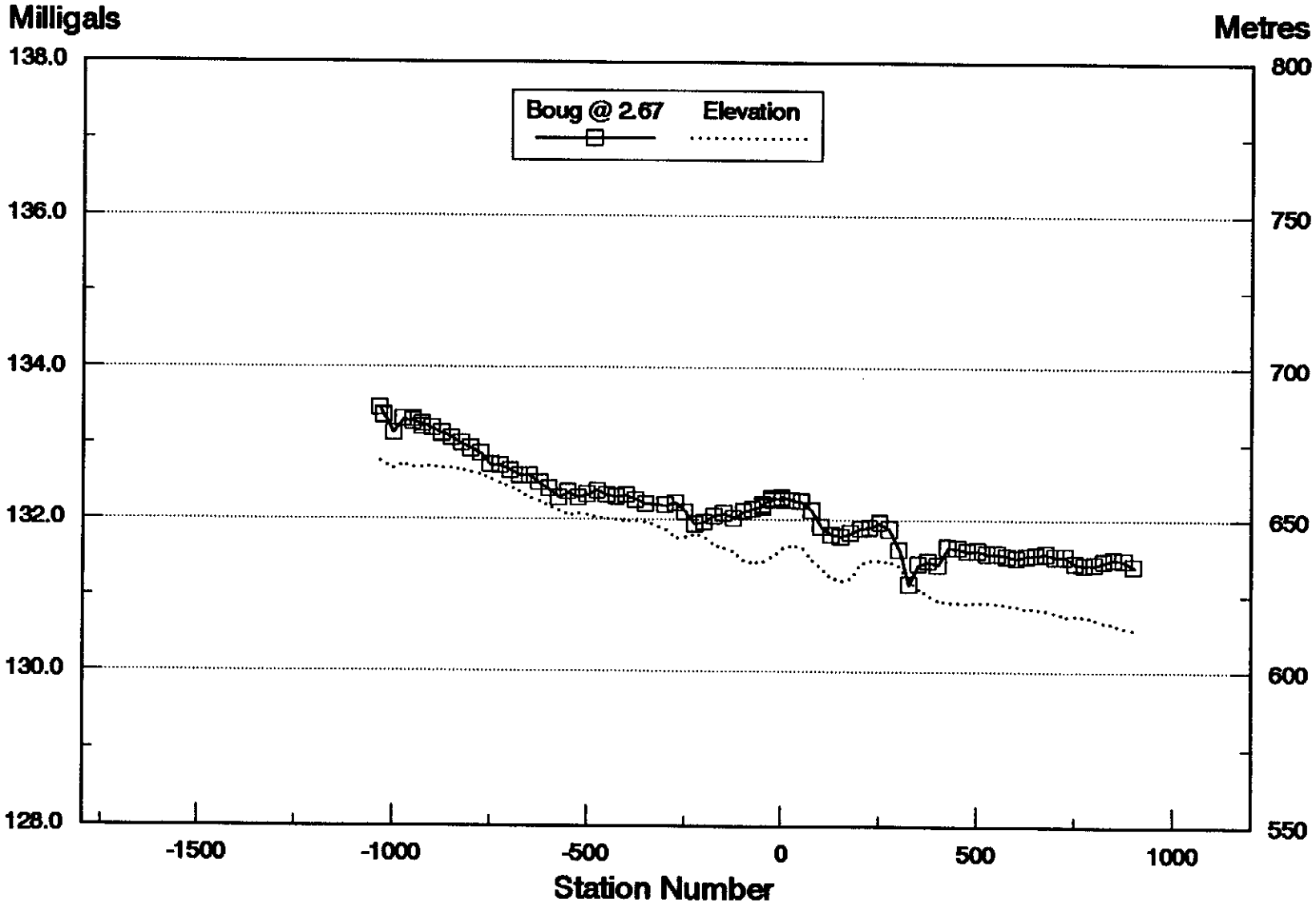
Line 4300W Gravity Profile



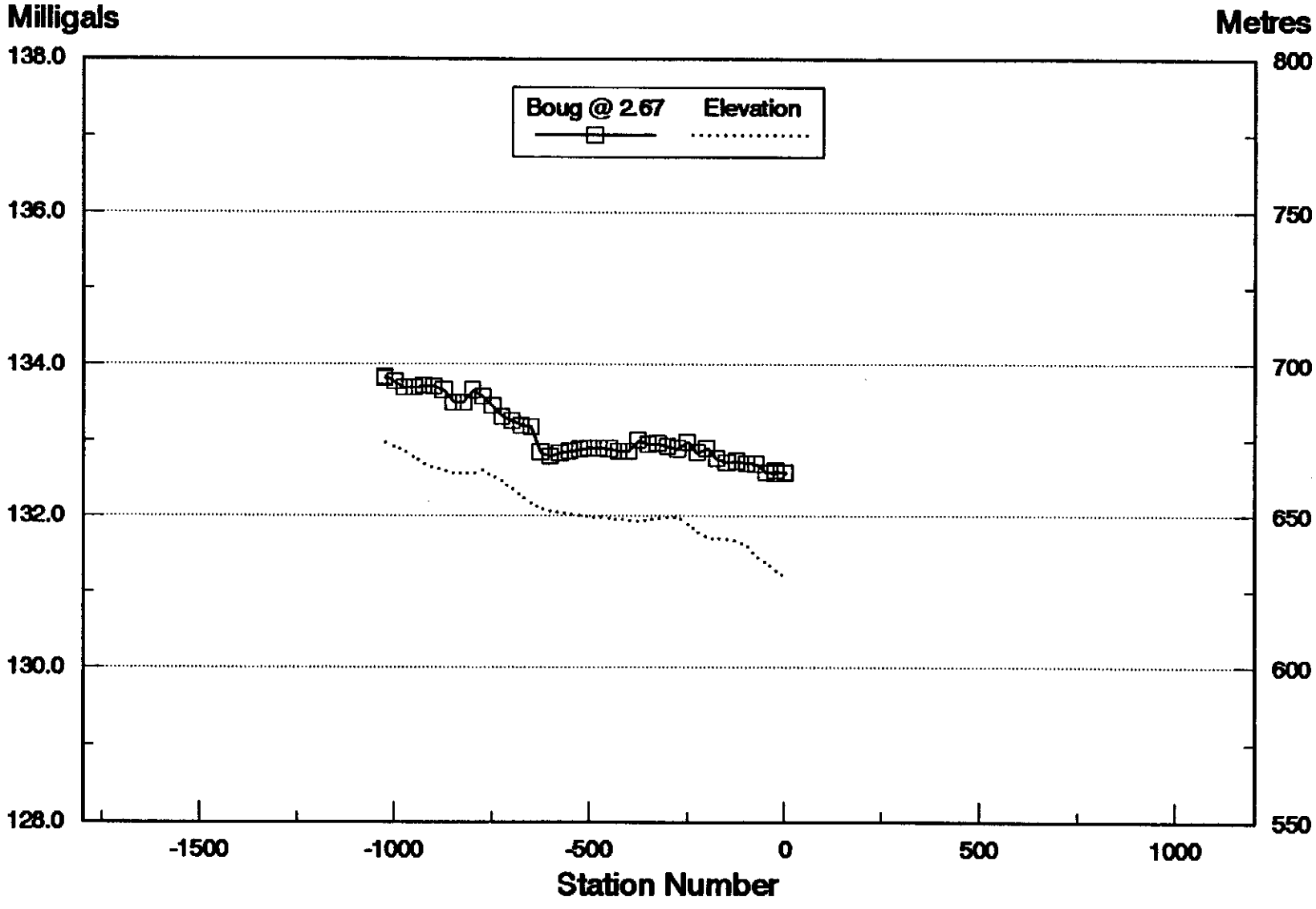
Line 4500W Gravity Profile



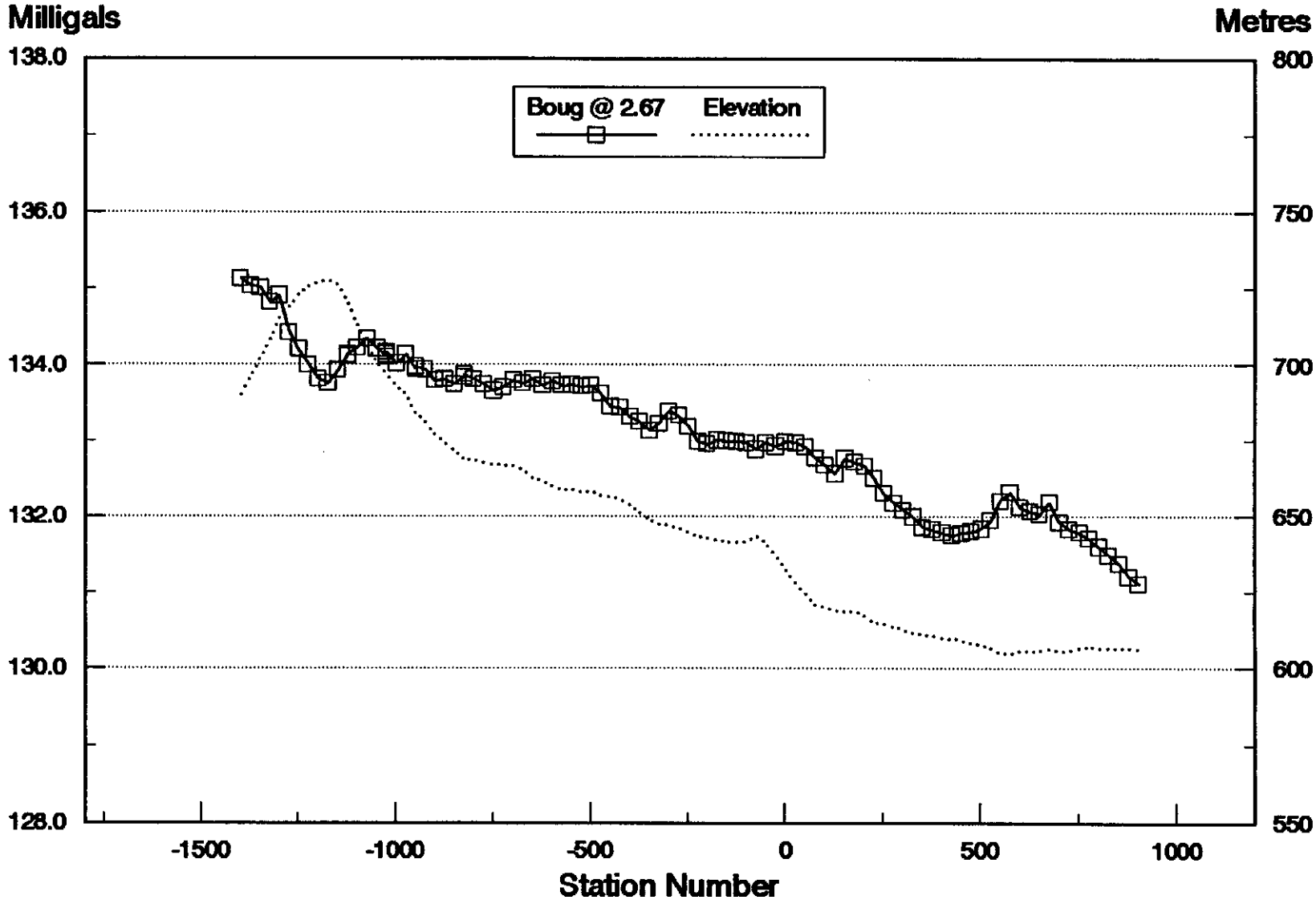
Line 4700W Gravity Profile



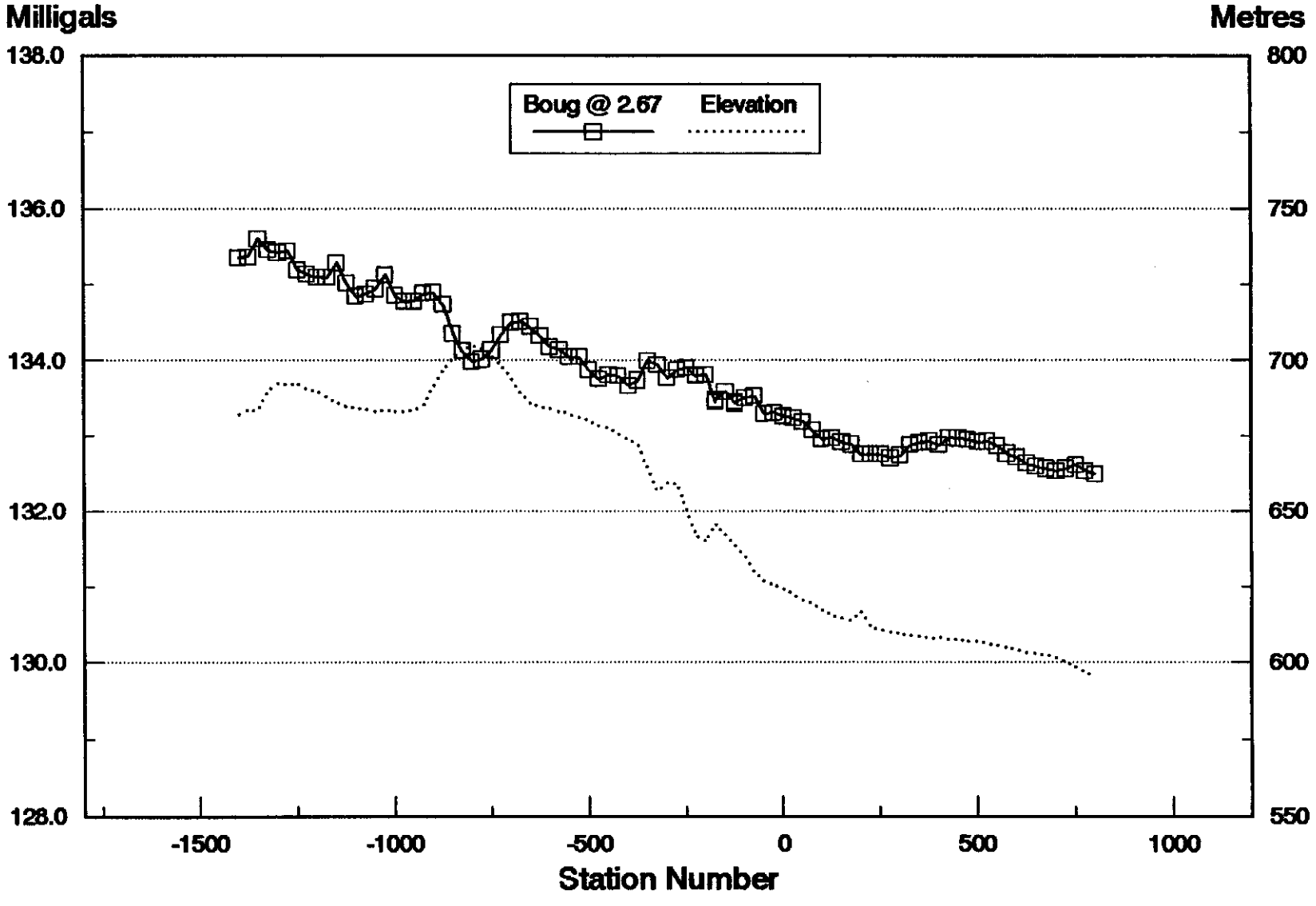
Line 4900W Gravity Profile



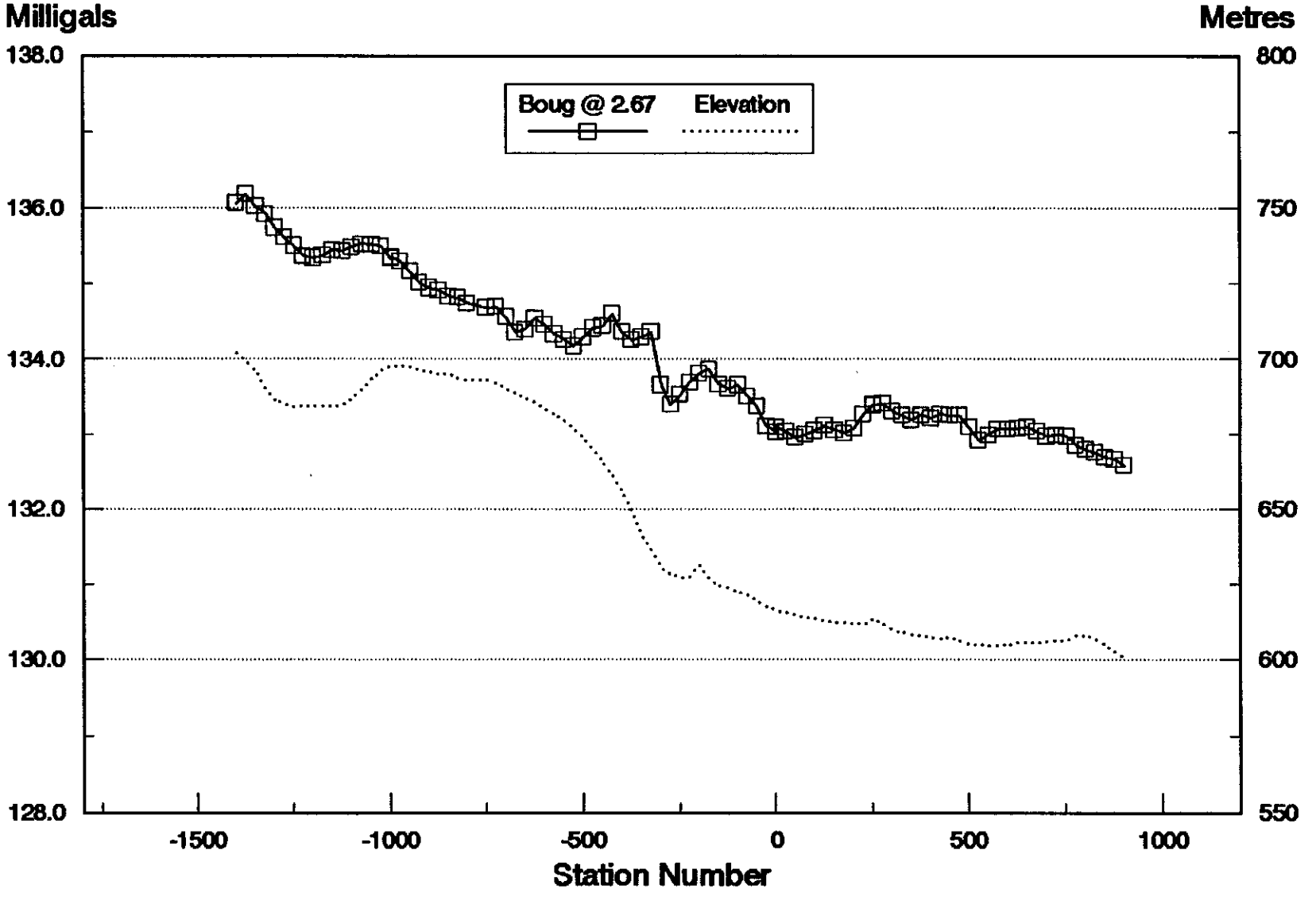
Line 5100W Gravity Profile



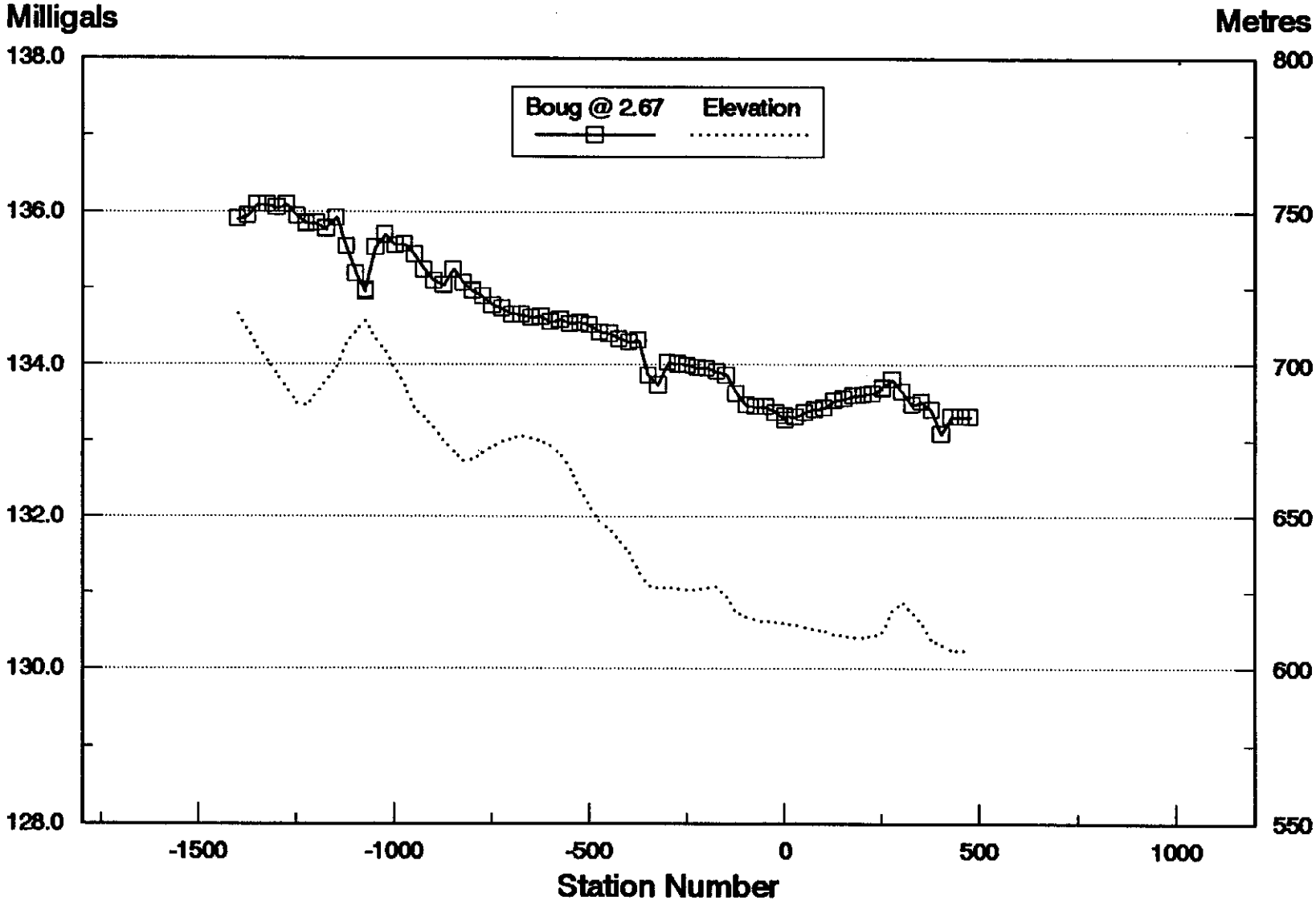
Line 5300W Gravity Profile



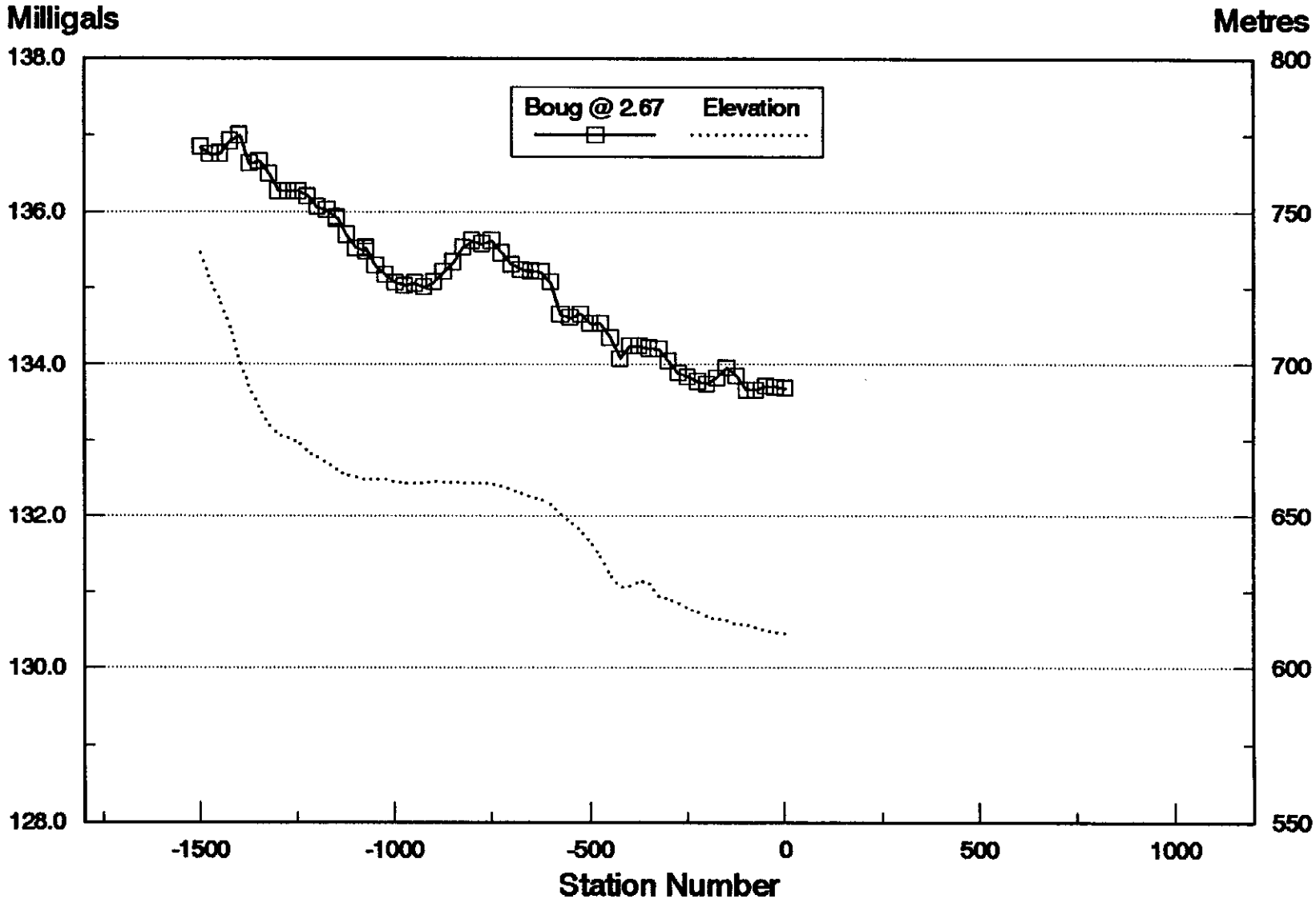
Line 5500W Gravity Profile



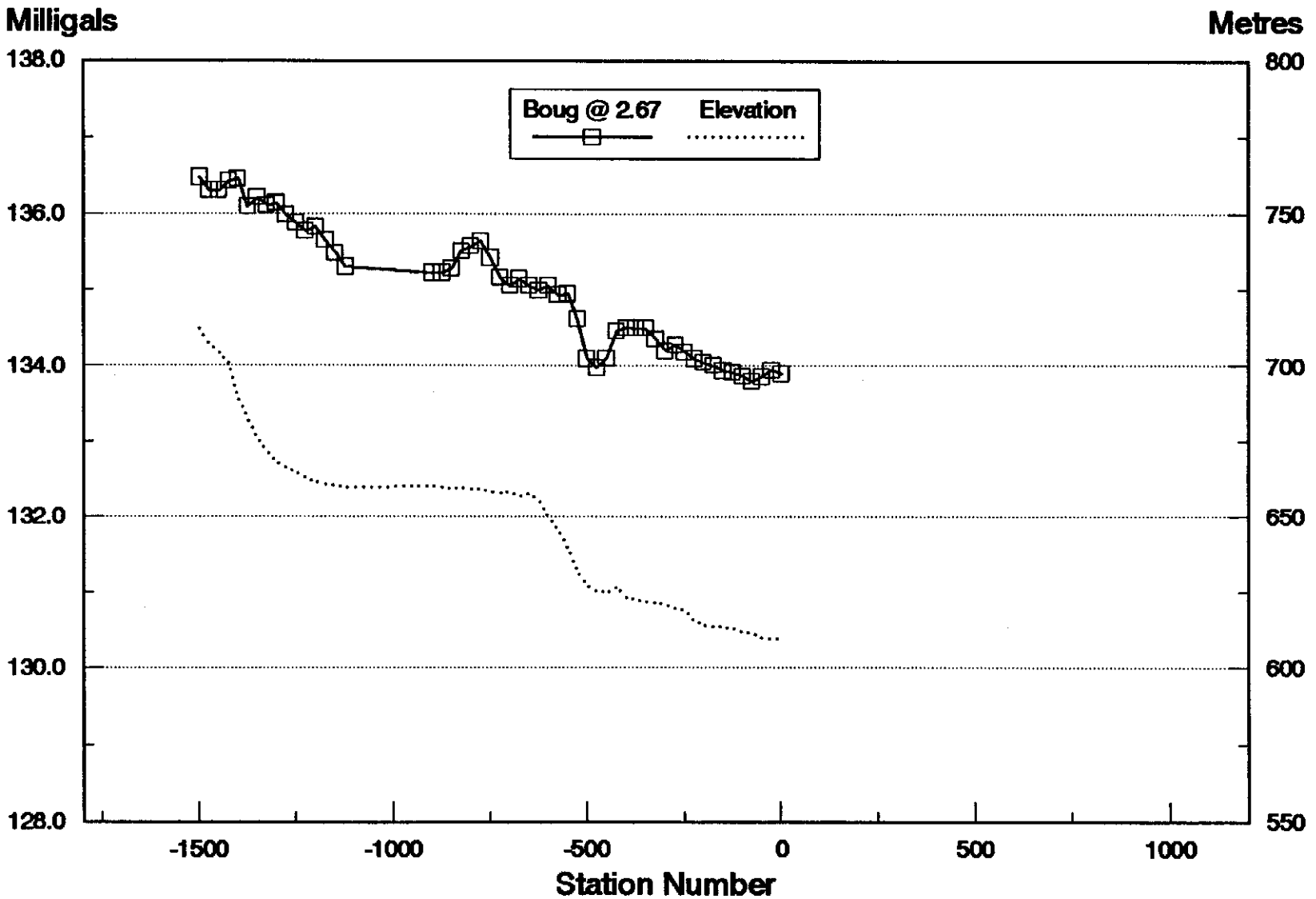
Line 5700W Gravity Profile



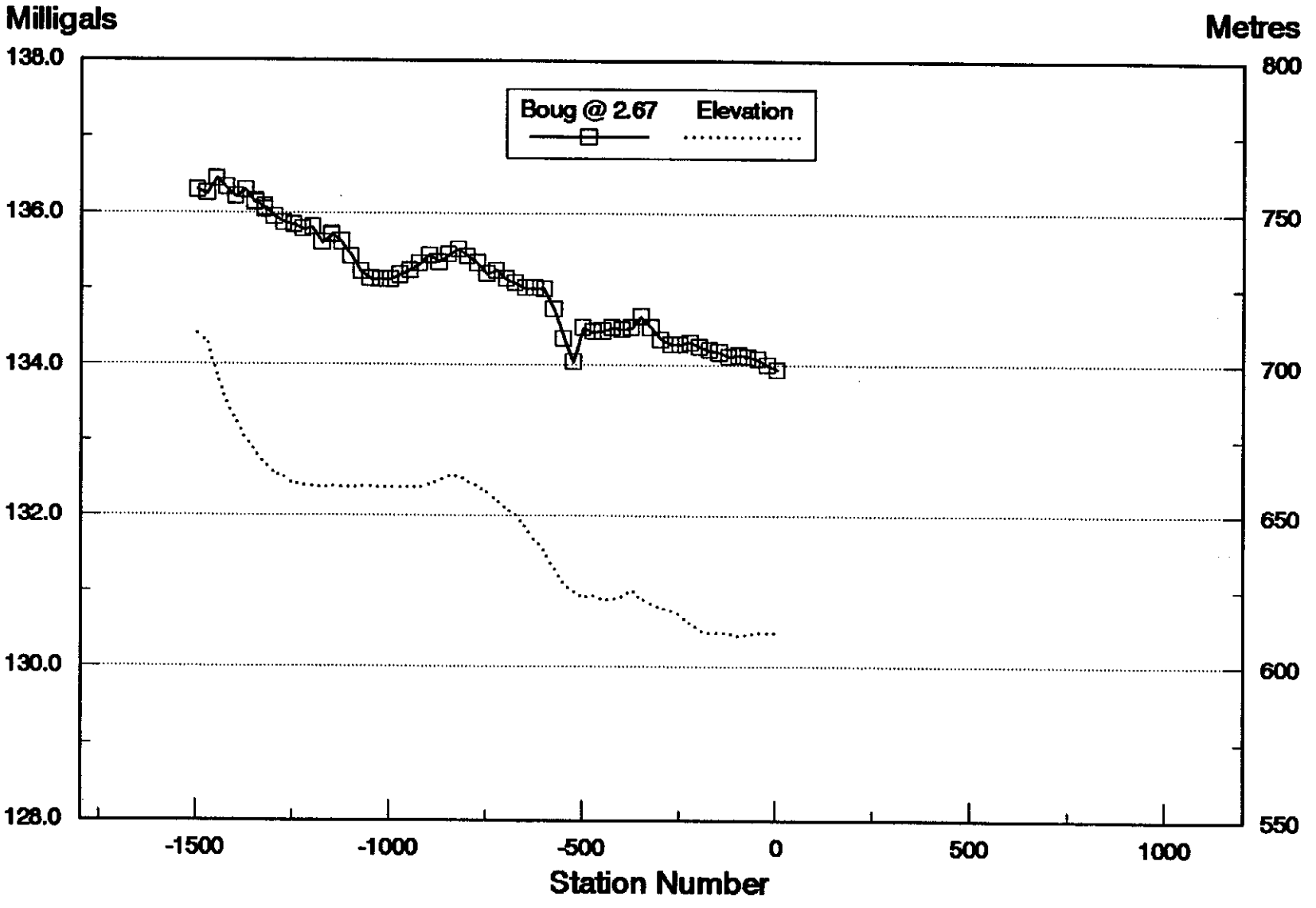
Line 5900W Gravity Profile



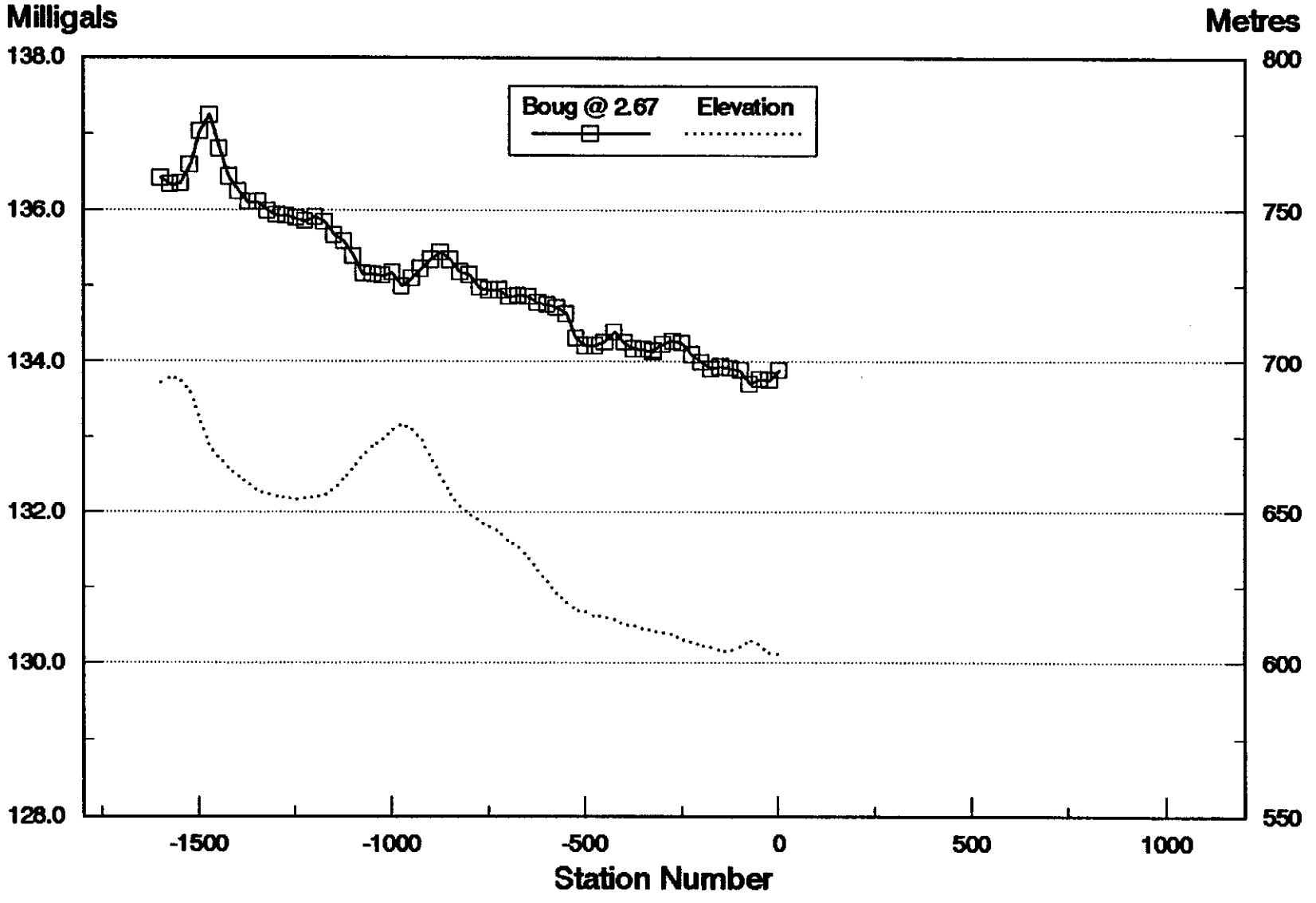
Line 6000W Gravity Profile



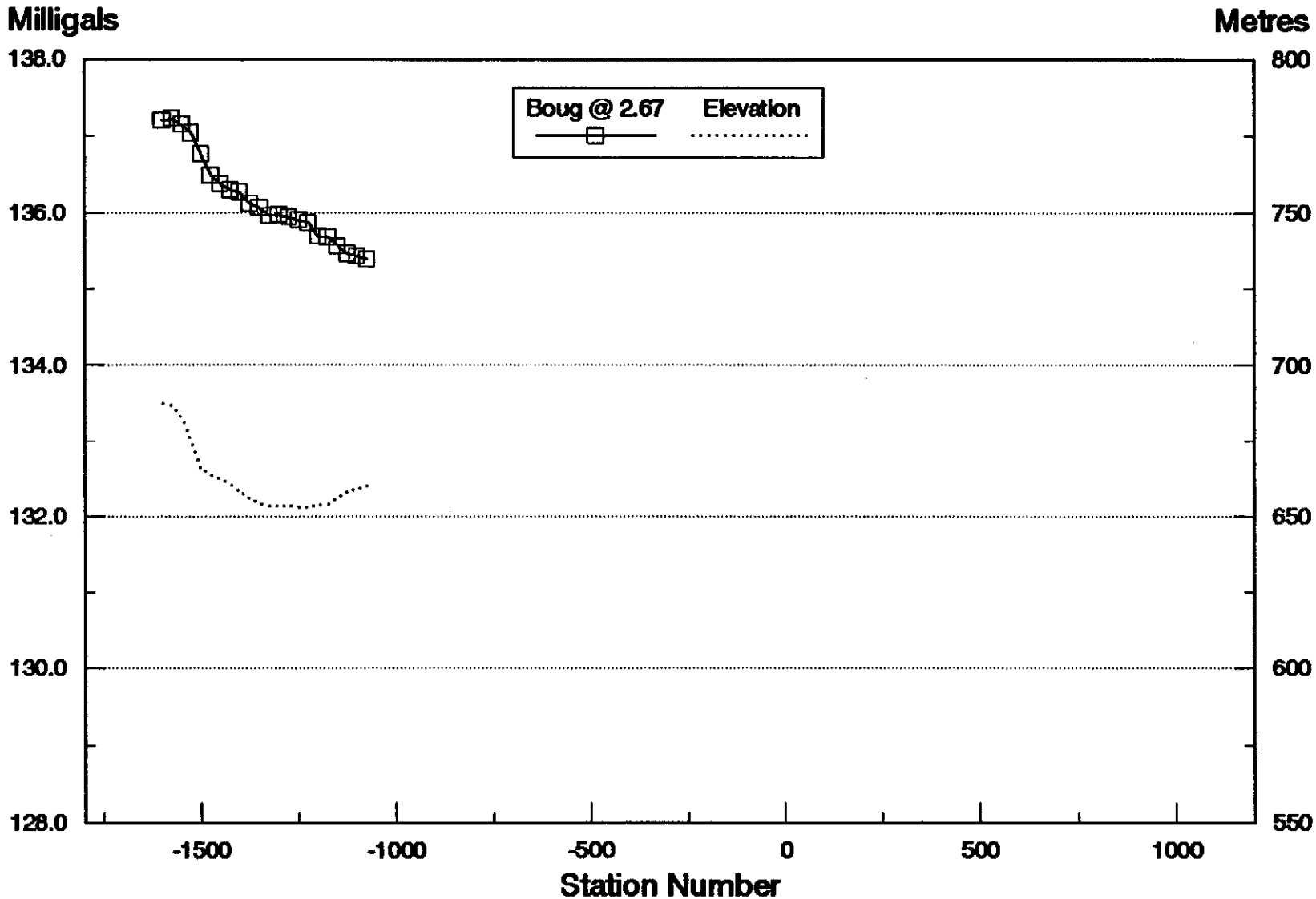
Line 6100W Gravity Profile



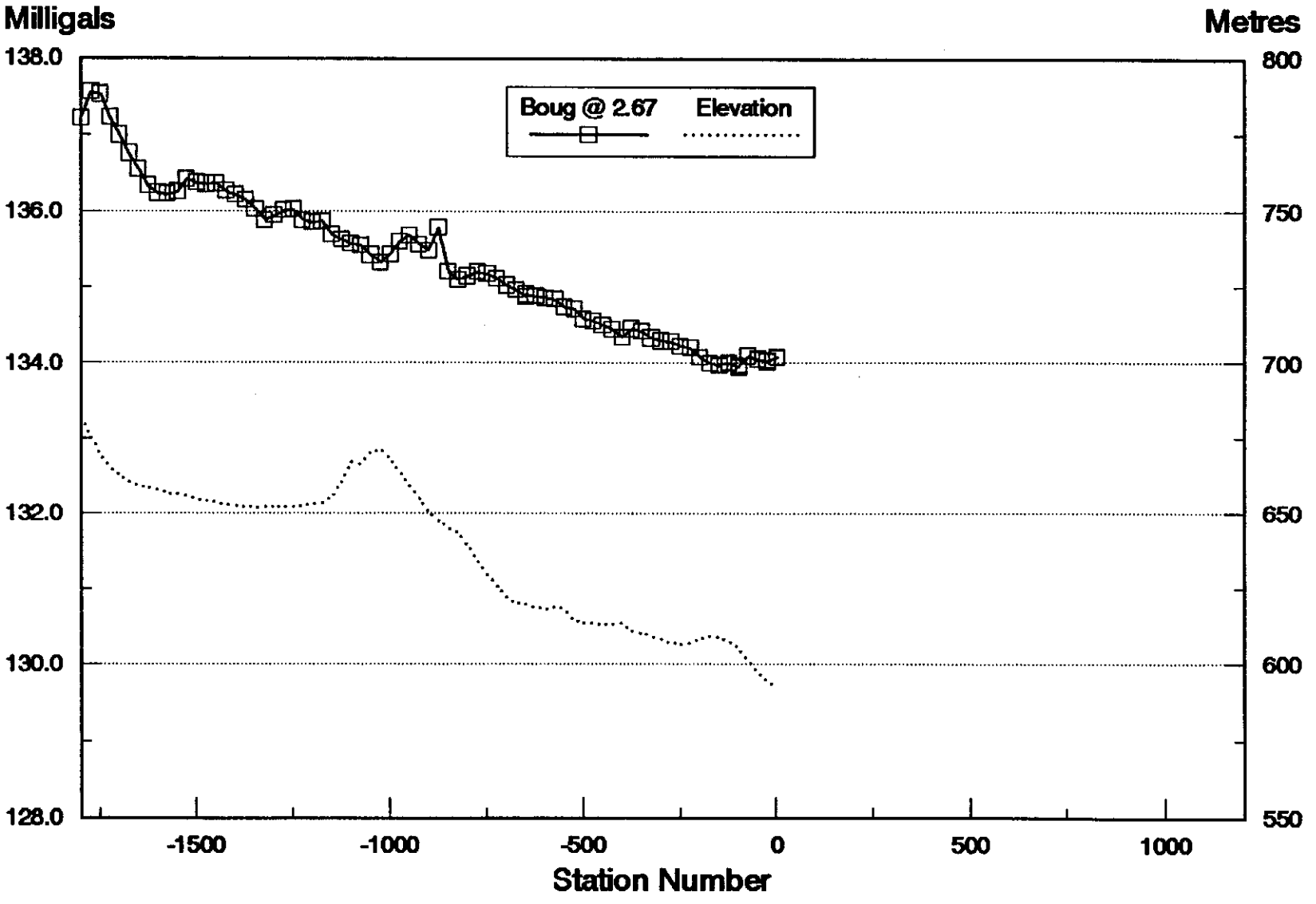
Line 6300W Gravity Profile



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 11982 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 dat a 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 batttery 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

Sat12 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

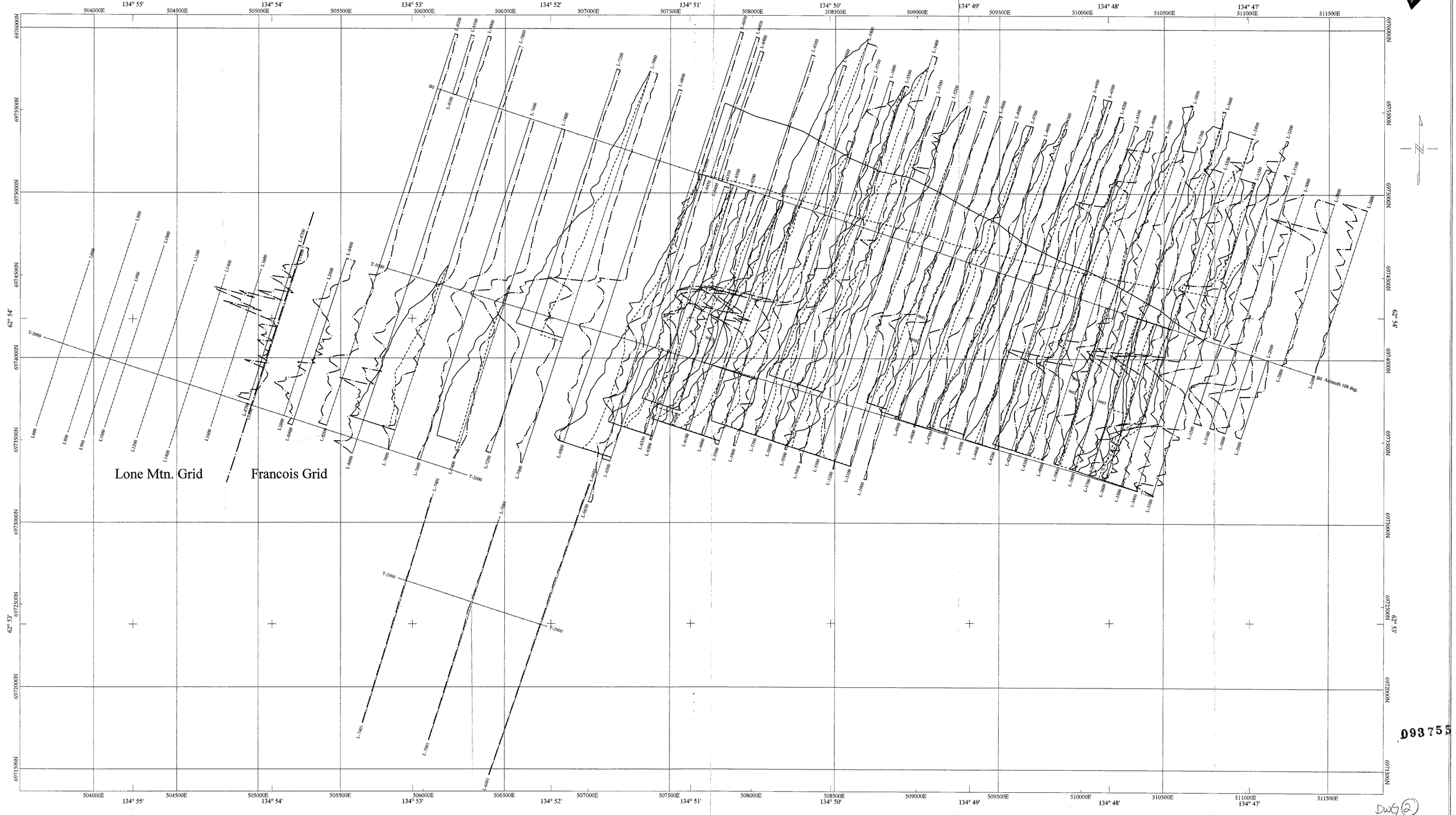
Sat 19 July

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.

Total Production : 0.9 line kms Mag



Scale 1:10,000

200 0 200 400 600
(meters)

Base Removed 56,000 gammas

BLACKSTONE RESOURCES INC. DROMEDARY PROPERTY

Profiles are positive towards the west.

Vertical Profile Scales are;

Magnetics (dash - dot): 1cm = 500 gammas

Gravity (solid): 1cm = 1.0 milligal

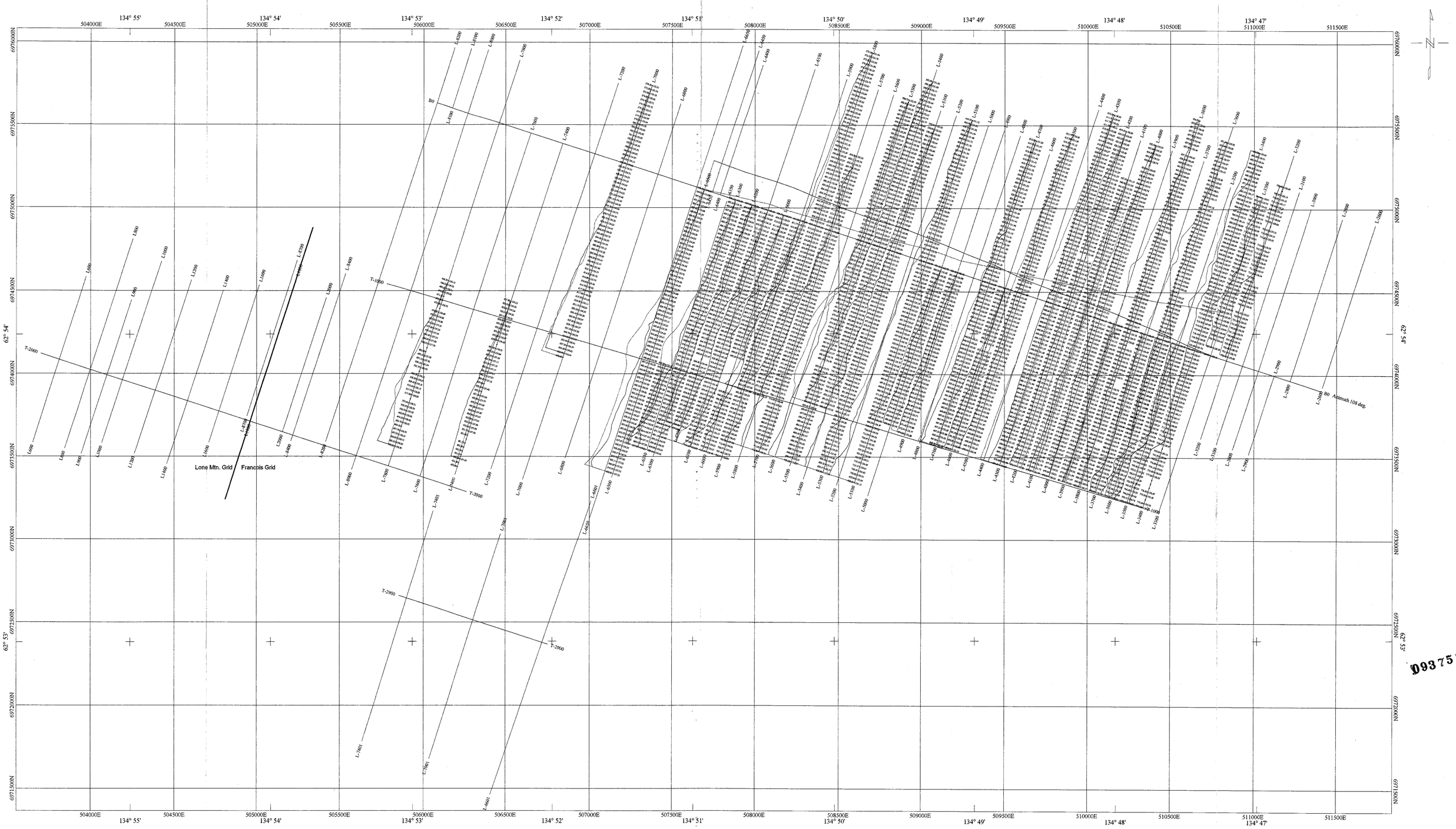
Elevation (dashed): 1cm = 20 metres

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
K. A. ROBERTSON

Blackstone Resources Inc.
Dromedary Property, Yukon Francois & Lone Mtn. Grids Gravity and Magnetic Profiles
NTS 105L/15, UTM Zone 8 Baseline AZ 108 deg. Processed by: K. Robertson, P Geo Date: December 29, 1997
VOX Image Limited

093755

DWG (2)



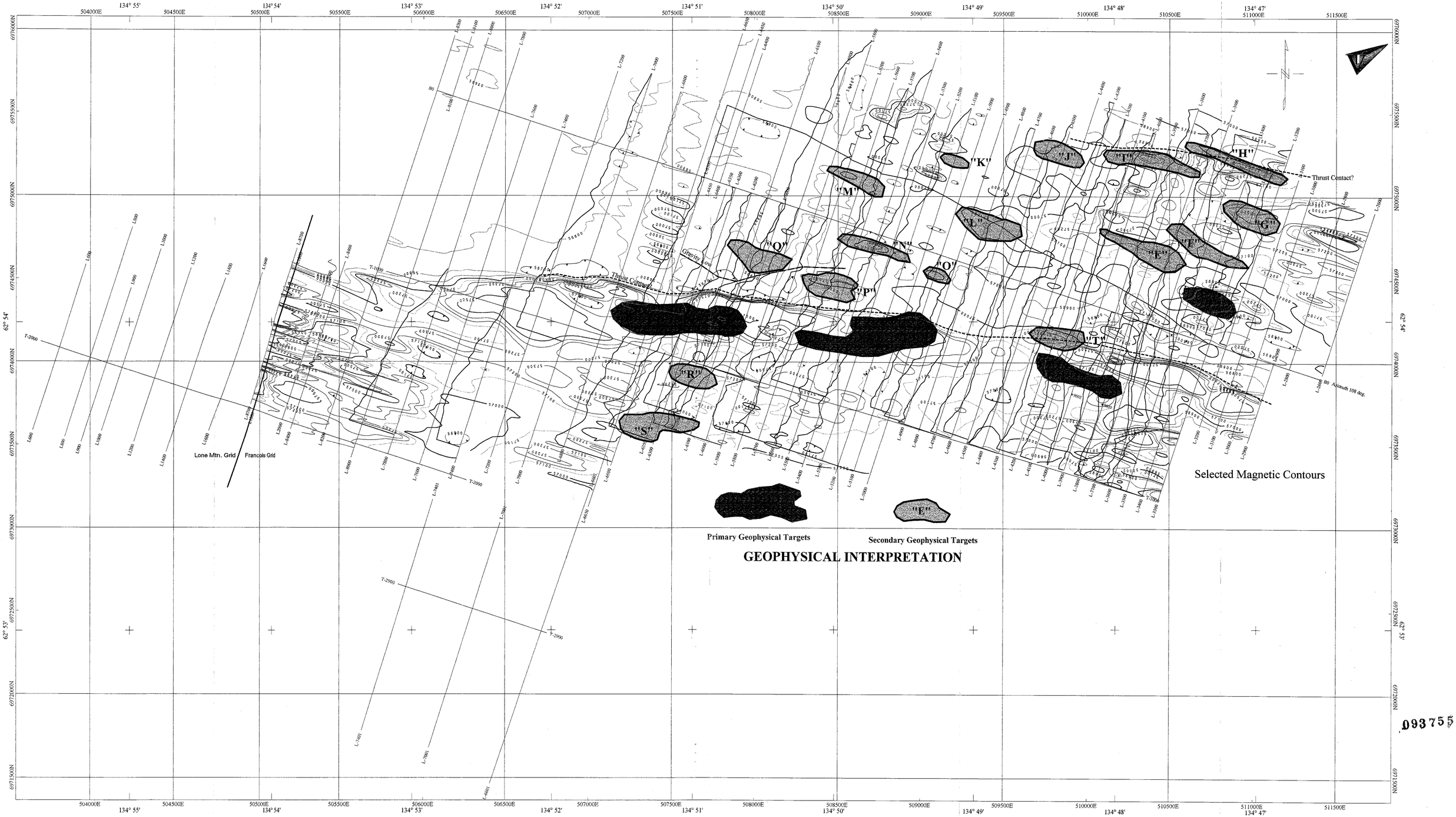
Scale 1:10000

200 0 200 400 600
(meters)

Elevations / Bouguer Gravity Values (gB=2.67 g/cc)

Blackstone Resources Inc.
Dromedary Property, Yukon Francois & Lone Mtn. Grids Gravity Survey Compilation
NTS 105L/15, UTM Zone 8 Baseline AZ 108 deg Processed by: K. Robertson, P Geo Date: August 11, 1997
VOX Image Limited

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA K. A. ROBERTSON GEOSCIENTIST



Gravity Profiles Vertical Scale = 1.0 mgals/cm
Elevation Profiles Vertical Scale = 20m/cm
Positive direction is to the west.

Magnetic Contours: 100 gamma separation

Overlain on Bouguer Gravity and Elevation Profiles

200 0 200 400 600
(metres)

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. Robertson, P Geo Date: August 11, 1997
VOX Image Limited

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA K. Robertson

DWG (4)

Lone Mtn. Grid / Francois Grid

Base Removed 56,000 gammas

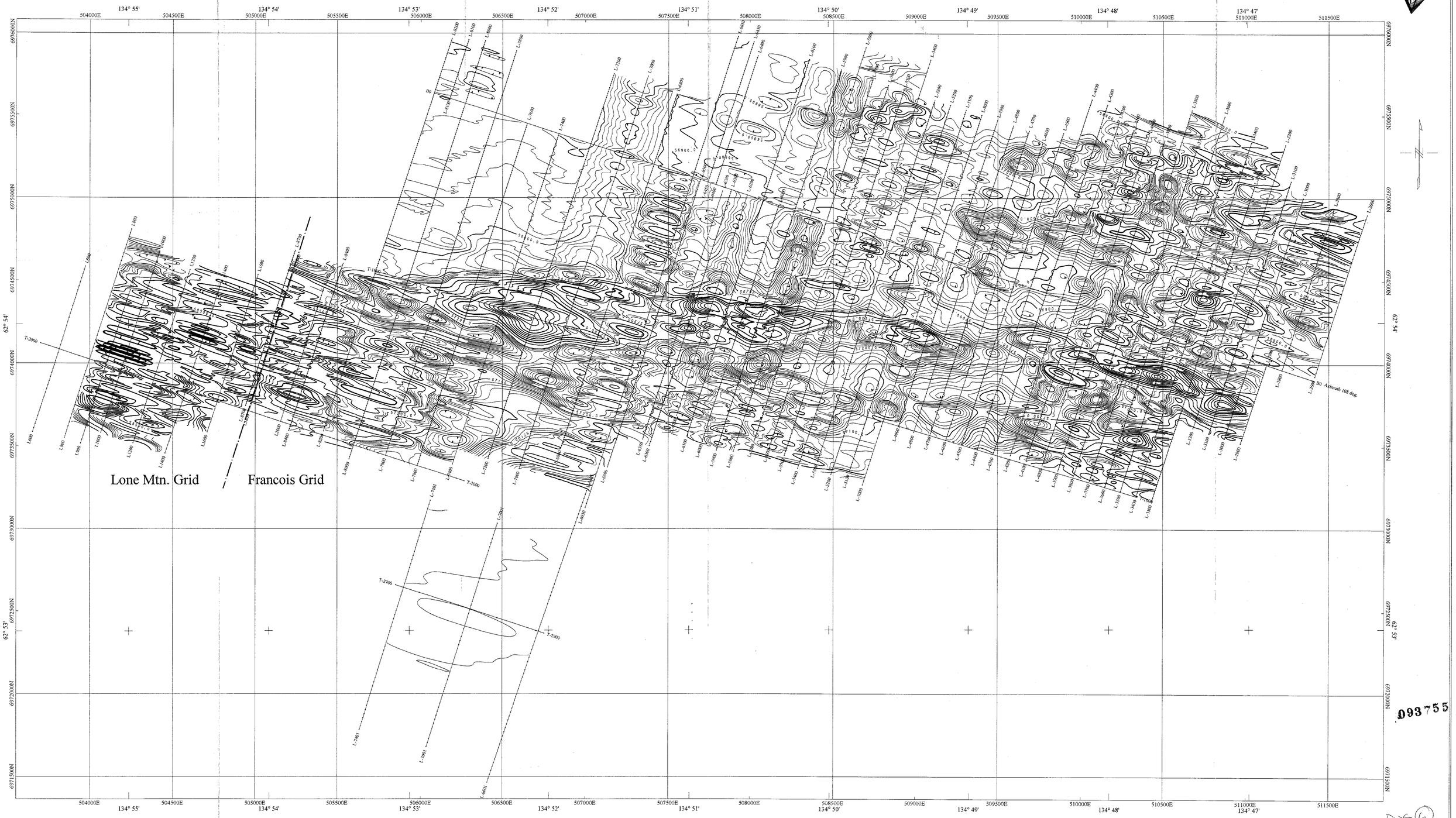
Scale 1:10,000

200 0 200 400 600 (meters)

BLACKSTONE RESOURCES INC. DROMEDARY PROPERTY

Blackstone Resources Inc.
Dromedary Property, Yukon Francois & Lone Mtn. Grids Magnetometer Survey Readings
NTS 105L/15, UTM Zone 8 Baseline AZ 108 deg. Processed by: K. Robertson, P Geo Date: December 29, 1997
VOX Image Limited

PROFESSIONAL GEOSCIENTIST PROVINCE OF BRITISH COLUMBIA K. A. ROBERTSON



093755

DWG 6

Contour Intervals: 20, 100 and 500 gammas

BLACKSTONE RESOURCES INC. DROMEDARY PROPERTY

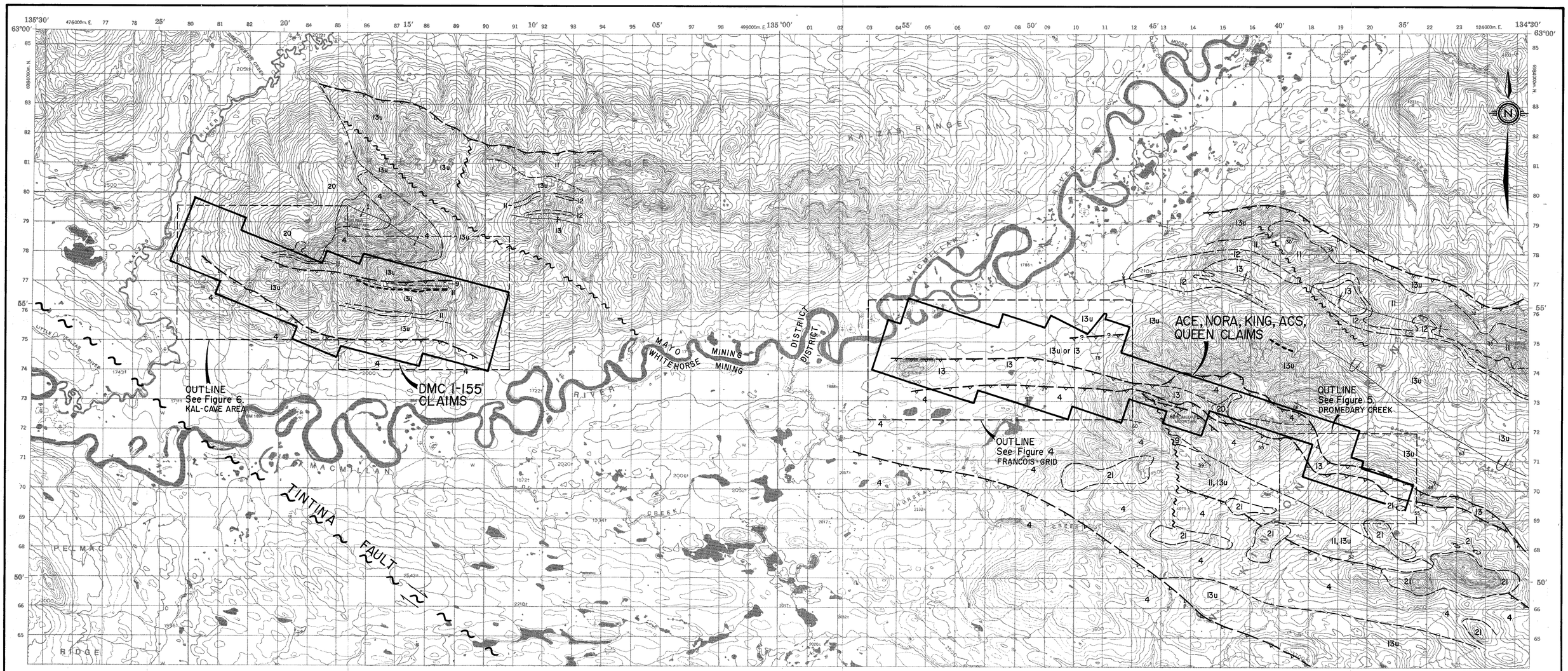
Blackstone Resources Inc.

Dromedary Property, Yukon
Francois & Lone Mtn. Grids
Contoured Magnetic Survey

NTS 105L/15, UTM Zone 8
Baseline AZ 108 deg.
Processed by: K. Robertson, P Geo
Date: December 29, 1997

VOX Image Limited

K. A. ROBERTSON



LEGEND

Intrusive Units

Cretaceous to Tertiary
South Fork Formation
Unit 21 Hornblende plagioclase, quartz biotite porphyry, intrusive breccia

Cretaceous
Unnamed
Unit 20 Granodiorite, quartz monzonite

Stratigraphic Units

Permian-Triassic
Unnamed
Unit 10 Calcareous sandstone, micaeous silty shale, arenaceous limestone

EARN GROUP

Devonian -Mississippian
Unit 13u Undivided

Unnamed
Unit 13 Chert, argillite, limestone, barite

Kalzas Formation
Unit 12 Fossiliferous limestone, laminated fossiliferous sandy limestone and silty shale and crinoidal quartz sandstone

Crystal Peak Formation
Unit 11 Chert pebble conglomerate, chert lithic sandstone, interbedded siltstone-shale

ROAD RIVER GROUP

Ordovician to Silurian
Unnamed
Unit 9 Graptolitic, siliceous and graphitic shale, siltstone

KECHIKA GROUP

Cambrian-Ordovician
Unnamed
Unit 4 Calcareous muscovite phyllite and wavy banded limestone, calcareous siltstone

Lower Cambrian or Earlier
Unnamed
Unit 1 Quartzite, interbedded sandstone and limestone

MAP SYMBOLS

- Lithological contact
- Bedding (inclined, vertical, overturned)
- High angle fault
- Thrust fault
- Anticline (upright, overturned)
- Syncline (upright, overturned)
- Barite

Geology compiled from Anaconda Canada Exploration Ltd. (Hall, 1983)

KILOMETRES
0 .5 1 2 3 4 5

Duty (1)

093755

BLACKSTONE RESOURCES INC.

DROMEDARY PROPERTY
GEOLOGY MAP

EQUITY

Date DEC. 1997	Scale 1: 50,000	FIGURE
U.T.M. Zone	Mining District Mayo and Whitehorse	3
N.T.S. 105L/14, 15	State/Province YUKON	

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: ?Sl	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
	Elevation		Sample Width: 30 cm		True Width: 30 cm	Secondaries: GE	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation 093°/54° S		Bedding		Host : Siliceous sediment/chert		20	274		

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: ?Sl	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	864
	Elevation		Sample Width: 3.6 m		True Width: 3.6 m	Secondaries: GE,HE,JA,MN	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation 095°/70° S				Host : Relatively siliceous hornfels		4670	1.72%		

Comments: Test mineralization apparent on Main Zone - lense or pod or massive pyrrhotite - with streaks of galena, sphalenite?, 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
	Elevation 820 m		Sample Width: 1.6 m		True Width: 1.6 m	Secondaries: wGE,wCE	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation 120°/70° SW		Bedding		Host : Carbonatized shale?		5040	7180		

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
	Elevation 810 m		Sample Width: 1.4 m		True Width: 1.4 m	Secondaries: wGE	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation 120°/70° SW		Bedding		Host : Weakly carbonatized shale		136	396		

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
	Elevation 920 m		Sample Width: 30 cm		True Width: 30 cm	Secondaries: sGE,wMN	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Earn Group? dark quartzite		238	860		

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
	Elevation		Sample Width:		True Width:	Secondaries: wGE,sHE,mMN	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Hematite-Mn stained shaly phyl		104	426		

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,?Sl	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010417	UTM	N	UTM	E	Strike Length Exp:	Metallics:	<5	0.4	220	17
	Elevation 1020	m	Sample Width:		True Width:	Secondaries: mHE,sMN	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Quartzite		214	4670		

Comments: Float is concentrated in colluvium over wide area.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mCB,wQZ	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010418	UTM	N	UTM	E	Strike Length Exp:	Metallics:	<5	2.0	160	21
	Elevation 865	m	Sample Width:		True Width:	Secondaries: sGE,sMN	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Quartzite/shale		636	510		

Comments: Float near base of slope - talus from zone up slope.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wCY,wSl	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010419	UTM	N	UTM	E	Strike Length Exp:	Metallics: trGL,trPO,trSP	<5	14.2	90	12
	Elevation 900	m	Sample Width:		True Width:	Secondaries:	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Quartzite/arkosite		9270	8750		

Comments: Light green alteration mineral, spots, layers similar to that observed in mineralized zone in TK-2, adjacent to 010457.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCB	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010420	UTM	N	UTM	E	Strike Length Exp: 1	Metallics:	<5	0.2	390	7
	Elevation 875	m	Sample Width: 30	cm	True Width: 30 cm	Secondaries: mGE,wHE,mMN	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation 135°/85° SW		Foliation		Host : Shaley quartzite		46	634		

Comments: Strong fossil content.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mCB,wQZ	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010421	UTM	N	UTM	E	Strike Length Exp:	Metallics:	<5	0.4	110	3
	Elevation 880	m	Sample Width:		True Width:	Secondaries: mGE,wHE,wJA,wMN	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Quartzite		274	466		

Comments:

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wCB,wQZ	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010422	UTM	N	UTM	E	Strike Length Exp:	Metallics:	<5	2.6	80	5
	Elevation 970	m	Sample Width:		True Width:	Secondaries: wHE,wJA,wMN	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Black quartzite		1010	22		

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
	Elevation 860	m	Sample Width: 30	cm	True Width: 30 cm	Secondaries: wGE	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Siliceous shaley phyllite-qtzt		24	66		
Comments:										

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
	Elevation 850	m	Sample Width:		True Width:	Secondaries: GE,JA	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Quartzite		16	422		
Comments:										

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
	Elevation 855	m	Sample Width:		True Width:	Secondaries: mGE,mMN	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Quartzite		86	410		
Comments: Angular float, abundant quartz veins.										

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
	Elevation 925	m	Sample Width:		True Width:	Secondaries: wGE	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Siliceous siltstone?		<2	22		
Comments:										

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
	Elevation		Sample Width:		True Width:	Secondaries: sGE,mHE,sMN	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Shaley phyllite-quartzite		414	4030		
Comments: Mn-oxide-rich ferricrete from soil (Kennecott) which assayed 0.57% Pb.										

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
	Elevation 980	m	Sample Width:		True Width:	Secondaries: wMN	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Dark shaley phyllite/siltstone		8	14		
Comments: Rock chips from bottom of pit 1.5m deep at 875N.										

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
	Elevation		Sample Width: 30 cm		True Width: 30 cm	Secondaries: wMN	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Carbonate altered shaley phyll		16	180		
Comments:										

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: ?Sl	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010430	UTM	N	UTM	E	Strike Length Exp:	Metallics: 0.5%PY	5	0.6	100	55
	Elevation		Sample Width:		True Width:	Secondaries: wJA	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Cherty argillite		2	54		
Comments: Float in creek, only sign of rock from about 900S.										

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wSl	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010432	UTM	N	UTM	E	Strike Length Exp: 5	Metallics: trPY	<5	0.8	110	25
	Elevation 1140 m		Sample Width: 50 cm		True Width: 50 cm	Secondaries: wGE	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation 109°/55° SW		Bedding		Host : Chert, cherty argillite		18	16		
Comments:										

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCB,wSl	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010433	UTM	N	UTM	E	Strike Length Exp: 5	Metallics:	<5	0.6	380	3
	Elevation 795 m		Sample Width: 2 m		True Width: 2 m	Secondaries: wGE,wJA	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Quartzite to siliceous siltsto		386	88		
Comments: Associated with lead in soil anomaly.										

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wQZ	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010434	UTM	N	UTM	E	Strike Length Exp: 5	Metallics:	<5	0.4	70	4
	Elevation		Sample Width: 3 m		True Width: 3 m	Secondaries: wJA	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Massive black chert		46	<2		
Comments: Small outcrop of black chert - barely exposed, near anomalous overburden sample.										

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: mSl	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010451	UTM	N	UTM	E	Strike Length Exp: 100	Metallics: trAS,1%CP,>10%PO,PY,?	1510	4.6	<10	2570
	Elevation 1620 m		Sample Width: 30 cm		True Width: 30 cm	Secondaries: sGE,wJA,mMN	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation 095°/45° SW				Host : Hornfels		2	2220		
Comments: Discovery, main showing area on Dromedary.										

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
	Elevation 780	m	Sample Width: 50	cm	True Width: 50 cm	Secondaries: mGE	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation 130°/90° SW				Host : Siliceous argillite		14	96		

Comments: Faulted right on creek approximately 50m east of line 2900.

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
	Elevation 800	m	Sample Width: 15	cm	True Width: 15 cm	Secondaries: GE	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation 110°/70° SW		Bedding		Host : Phyllite, black argillite		8780	2.27%		

Comments: Just up hill approximately 30m from Tom's showing, small hole 80m west 5000E130N of baseline.

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
	Elevation		Sample Width: 50	cm	True Width: 50 cm	Secondaries: wGE,sHE,mMN	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation 090°/86° S		Bedding		Host : Quartzite		814	1.81%		

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
	Elevation 930	m	Sample Width: 4	m	True Width: 4 m	Secondaries:	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation 108°/85° SW				Host : Possibly ferricrete		302	770		

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
	Elevation 875	m	Sample Width: 30	cm	True Width: 30 cm	Secondaries: sGE,wHE,wJA	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation 116°/76° SW		Bedding		Host : Shaley phyllite		56	3230		

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
	Elevation 900	m	Sample Width: 30	cm	True Width: 30 cm	Secondaries: mGE,wHE	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Quartzite		50	390		

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
	Elevation 900	m	Sample Width: 30	cm	True Width: 30 cm	Secondaries: wHE	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Quartzite		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
	Elevation 905	m	Sample Width: 50	cm	True Width: 50 cm	Secondaries: mGE,wHE	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Black argillitic shale		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
	Elevation 910	m	Sample Width: 50	cm	True Width: 50 cm	Secondaries: mGE,wJA	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Siliceous siltstone?		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
	Elevation 940	m	Sample Width: 50	cm	True Width: 50 cm	Secondaries:	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Quartzite		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
	Elevation 1075	m	Sample Width: 30	cm	True Width: 30 cm	Secondaries:	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Quartzite		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
	Elevation 850	m	Sample Width: 2	m	True Width: 2 m	Secondaries:	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation 097°/78° S				Host : Calcareous siliceous siltstone		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 **NTS:** 105L/14,15

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
	Elevation 840	m	Sample Width: 1	m	True Width: 1 m	Secondaries: sGE,sHE,wMN	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Ferricrete		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
	Elevation 845	m	Sample Width: 2	m	True Width: 2 m	Secondaries: mGE,mMN	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation		Bedding		Host : Quartzite, black argillite?		14	238		

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

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	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
	Elevation 1070	m	Sample Width: 20	cm	True Width: 20 cm	Secondaries: sGE,trMN	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Siliceous quartzite		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
	Elevation 1070	m	Sample Width: 2	m	True Width: 2 m	Secondaries: wMN	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Siliceous siltstone		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
	Elevation 940	m	Sample Width: 1	m	True Width: 1 m	Secondaries: wGE	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Calcareous siliceous siltstone		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
	Elevation 945	m	Sample Width: 50	cm	True Width: 50 cm	Secondaries: GE,sZNO	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation 110°/85° N				Host : Shaly phyllite-silic.siltstone		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
	Elevation 945	m	Sample Width: 50	cm	True Width: 50 cm	Secondaries: GE,wZNO	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation 110°/85° N		Bedding		Host : Calc.sil. siltstone/shaly phyl		6370	1855		

Comments: 4m from sample 010469.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration:	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010471	UTM	N	UTM	E	Strike Length Exp: 20	Metallics: 0.2%GL,0.1%PO,0.1%PY,	<5	2.0	230	3
	Elevation 945	m	Sample Width: 50	cm	True Width: 50 cm	Secondaries: mGE,wZNO	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation 110°/85° N		Bedding		Host : Calc.sil. siltstone/shaly phyl		3250	2430		

Comments:

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration: wQZ	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010472	UTM	N	UTM	E	Strike Length Exp: 5	Metallics: 0.5%PO,0.5%PY	<5	<.2	590	30
	Elevation 1140	m	Sample Width: 1	m	True Width: 4 m	Secondaries: wGE	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Cherty argillite		6	56		

Comments: 25m west of drill hole 81-10 helipad.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration: wQZ	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010473	UTM	N	UTM	E	Strike Length Exp: 5	Metallics: 0.5%PO,0.5%PY	<5	0.2	140	19
	Elevation 1140	m	Sample Width: 1	m	True Width: 4 m	Secondaries: wGE	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Cherty argillite		8	42		

Comments: Below drill hole 81-8 100m and west 50m.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mSI	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010474	UTM	N	UTM	E	Strike Length Exp:	Metallics: 1%CP,0.2%PO,0.3%PY	<5	1.8	80	79
	Elevation 1040	m	Sample Width: 50	cm	True Width: 50 cm	Secondaries: mGE	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Cherty argillite		20	138		

Comments: Right at drill hole 81-9.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration: sQZ	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
010475	UTM	N	UTM	E	Strike Length Exp:	Metallics:	<5	0.2	180	15
	Elevation		Sample Width:		True Width:	Secondaries: wGE	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation 097°/60° S				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 **NTS:** 105L/14,15

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	62
	Elevation 1110	m	Sample Width: 1.5	m	True Width: 2 m	Secondaries:	Pb (ppm)	Zn (ppm)		
Dromedary	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)	Cu (ppm)
596751	UTM	N	UTM	E	Strike Length Exp: 2	Metallics:	<5	3.8	180	6
	Elevation 940	m	Sample Width: 1.35	m	True Width: 1.35 m	Secondaries: wGE,mMN	Pb (ppm)	Zn (ppm)		
Dromedary	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)	Cu (ppm)
596752	UTM	N	UTM	E	Strike Length Exp: 2	Metallics:	<5	12.6	80	8
	Elevation 940	m	Sample Width: 1.35	m	True Width:	Secondaries: wGE,mMN,wZnO	Pb (ppm)	Zn (ppm)		
Dromedary	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)	Cu (ppm)
596753	UTM	N	UTM	E	Strike Length Exp:	Metallics:	<5	0.2	160	7
	Elevation 910	m	Sample Width: 1.4	m	True Width: 1.4 m	Secondaries: mGE,wHE,wMN	Pb (ppm)	Zn (ppm)		
Dromedary	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)	Cu (ppm)
596754	UTM	N	UTM	E	Strike Length Exp:	Metallics:	<5	0.2	160	7
	Elevation 875	m	Sample Width: 1.1	m	True Width:	Secondaries: sGE,wJA	Pb (ppm)	Zn (ppm)		
Dromedary	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)	Cu (ppm)
596755	UTM	N	UTM	E	Strike Length Exp:	Metallics:	<5	0.6	280	5
	Elevation 875	m	Sample Width: 1.4	m	True Width:	Secondaries: mGE,wHE,wJA,mMN	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Altd quartzite/shale-ferricret		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 **NTS:** 105L/14,15

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
	Elevation 875	m	Sample Width: 1.3	m	True Width:	Secondaries: mGE,wJA,wMN	Pb (ppm)	Zn (ppm)		
Dromedary	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
	Elevation 1050	m	Sample Width: 1	m	True Width: 1 m	Secondaries: mGE,wMN	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation 103°/90° S		Bedding		Host : Quartzite - shaly		16	92		

Comments: Shaley 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
	Elevation 1000	m	Sample Width: 0.6	m	True Width: 0.6 m	Secondaries:	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation 097°/78° 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
	Elevation 845	m	Sample Width: 1	m	True Width: 1 m	Secondaries: wGE,mMN	Pb (ppm)	Zn (ppm)		
Dromedary	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
	Elevation 850	m	Sample Width: 50	cm	True Width: 50 cm	Secondaries: mGE,sMN	Pb (ppm)	Zn (ppm)		
Dromedary	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
	Elevation 1095	m	Sample Width: 1	m	True Width: 1 m	Secondaries: mGE,wMN	Pb (ppm)	Zn (ppm)		
Dromedary	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
	Elevation 965	m	Sample Width: 20	cm	True Width: 20 cm	Secondaries: wGE,wMN	Pb (ppm)	Zn (ppm)		
Dromedary	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
	Elevation		Sample Width: 1	m	True Width: 1	Secondaries: mGE,wHE,mMN	Pb (ppm)	Zn (ppm)		
Dromedary	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
	Elevation		Sample Width: 60	cm	True Width: 60	Secondaries: mGE,wMN,wZnO	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation 110°/88° N		Bedding		Host : Siliceous limy sltstne/qrtzite		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
	Elevation		Sample Width: 1	m	True Width: 1	Secondaries: mGE,mMN	Pb (ppm)	Zn (ppm)		
Dromedary	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
	Elevation		Sample Width: 0.75	m	True Width: 0.75 m	Secondaries: mGE,mMN	Pb (ppm)	Zn (ppm)		
Dromedary	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
	Elevation		Sample Width:		True Width:	Secondaries: wGE,wHE	Pb (ppm)	Zn (ppm)		
Dromedary	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	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
596768	UTM	N	UTM	E	Strike Length Exp:	Metallics:	<5	0.2	70	3
	Elevation 790	m	Sample Width:		True Width:	Secondaries: mGE,wMN	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Quartzite/siltstone		40	302		

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

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration:	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
596769	UTM	N	UTM	E	Strike Length Exp: 100	Metallics:	<5	1.6	>10000	31
	Elevation 840	m	Sample Width:		True Width:	Secondaries:	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation		Bedding		Host : Quartzite		2	14		

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	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
596770	UTM	N	UTM	E	Strike Length Exp: 1	Metallics: tr?GL	20	0.6	300	23
	Elevation 690	m	Sample Width: 1.6 m		True Width: 1.6 m	Secondaries: mGE	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation				Host : Possibly shaly phyllite		6	232		

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	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
596771	UTM	N	UTM	E	Strike Length Exp: 1	Metallics: tr?GL	<5	0.2	270	19
	Elevation 690	m	Sample Width: 1.4 m		True Width: 1.2 m	Secondaries: wGE	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation 090°/70° N		Foliation		Host : Shaly phyllite? to siltstone		20	78		

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:	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
596772	UTM	N	UTM	E	Strike Length Exp: 1	Metallics:	<5	0.4	220	30
	Elevation 690	m	Sample Width: 1 m		True Width: 0.9 m	Secondaries:	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation 090°/70° N		Bedding		Host : Same as 596771		46	126		

Comments: North half of trench.

Sample Number:	Grid North: 738	S	Grid East: 5500	W	Type: Chip	Alteration: mCB,wSI	Au (ppb)	Ag (ppm)	Ba (ppm)	Cu (ppm)
596773	UTM	N	UTM	E	Strike Length Exp: 1	Metallics:	<5	0.2	160	19
	Elevation 1705	m	Sample Width: 1.35 m		True Width: 1.2 m	Secondaries: mGE	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation 083°/79° N		Foliation		Host : Shaly phyllite to siltstone		14	408		

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
	Elevation 705 m	Sample Width: 1.9 m	True Width: 1.9 m	Secondaries: mGE,wJA,?MN	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation		Host : Shaly phyllite		32	330		

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: ?Bl,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
	Elevation 705 m	Sample Width: 1.75 m	True Width: 1.6 m	Secondaries: wGE	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation		Host : Shaly phyllite		8	658		

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
	Elevation	Sample Width: 1.4 m	True Width: 1.4 m	Secondaries: mGE,mJA	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation		Host : Shaly phyllite		68	80		

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
	Elevation 850 m	Sample Width: 15 cm	True Width: 15 cm	Secondaries:	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation 090°/23° N	Bedding	Host :		6	74		

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
	Elevation 680 m	Sample Width: 1.05 m	True Width:	Secondaries: wGE,mJA	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation		Host : Shaly phyllite		18	42		

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
	Elevation	Sample Width: 2.25 m	True Width: 2.25 m	Secondaries: wJA,?MN	Pb (ppm)	Zn (ppm)		
Dromedary	Orientation		Host : Chert - black		112	24		

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

Harris
EXPLORATION
SERVICES

MINERALOGY AND GEOCHEMISTRY

534 ELLIS STREET, NORTH VANCOUVER, B.C., CANADA V7H 2G6 TELEPHONE (604) 929-5867

Report for: Equity Engineering Ltd.,
207 - 675 West Hastings St.,
VANCOUVER, B.C.
V6B 1N2

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.

SAMPLE 010419 (Slide 97-27656) ACTINOLITE QUARTZITE

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-DIOPSIDE-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 crypto-crystalline 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 crypto-crystalline 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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V6B 1N2

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

Page Number :1-A
Total Pages :2
Certificate Date: 30-JUL-97
Invoice No. :19733358
P.O. Number :
Account :EIA

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	4.85	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

4 Fractions
32 Rejects

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

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V6B 1N2

Project : BLK9703
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Certificate Date: 30-JUL-97
Invoice No. :I9733358
P.O. Number :
Account :EIA

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: Stewart Buchler

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

Certificate Date: 30-JUL-97
Invoice No. : I9733358
P.O. Number :
Account : EIA

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
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:

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

Certificate Date: 30-JUL-97
Invoice No. : I9733358
P.O. Number :
Account : EIA

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
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	Ti %: 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

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

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

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	0.24	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 Francois
7 Kel-Tech

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

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

Certificate Date: 07-AUG-97
Invoice No. : I9734555
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9734555

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
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	18	< 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	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	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	3	Pb %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0
316	4	Zn %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0

Chemex Labs Ltd.

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To: EQUITY ENGINEERING LTD.

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

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

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

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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

A97345

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	Ti %: 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

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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
L700S 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
L700S 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
L700S 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
L700S 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 600S	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 625S	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 650S	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 675S	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	440
L5450W 700S	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L5450W 725S	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 750S	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 775S	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 800S	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 600S	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 625S	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 650S	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 675S	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 700S	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 725S	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 750S	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 775S	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 800S	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

CERTIFICATION: Hart Bichler

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 : BLK97-03
Comments: CC: BLACKSTONE RESOURCES

Certificate Date: 05-AUG-97
Invoice No. :I9734505
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9734505

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
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	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: Ian R. Nicholson

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

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
202	35	save reject
229	35	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	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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Project : BLK97-03
Comments: CC: BLACKSTONE RESOURCES

Page Number : 1-A
Total Pages : 1
Certificate Date: 05-AUG-97
Invoice No. : I9734517
P.O. Number :
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 590S	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 600S	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L5300W 625S	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 650S	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L5300W 675S	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 700S	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 725S	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 750S	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 775S	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	0.37	585
L5300W 800S	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 650S	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 600S	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 625S	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 650S	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 675N	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 700S	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 725S	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 750S	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 775S	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 800S	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 650S	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 675S	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 725S	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 750S	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 775S	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 800S	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 825S	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 850S	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 650S	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 675S	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 700S	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 725S	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 750S	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 775S	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 800S	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 825S	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 850S	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: [signature]

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 : BLK97-03
Comments: CC: BLACKSTONE RESOURCES

Certificate Date: 05-AUG-97
Invoice No. :I9734517
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9734517

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
L5300W 590S	201	202	1	< 0.01	19	280	10	6	2	14	0.03	< 10	< 10	46	< 10	62
L5300W 600S	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L5300W 625S	201	202	1	0.01	32	790	10	< 2	4	36	0.03	< 10	< 10	44	< 10	150
L5300W 650S	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
L5300W 675S	201	202	4	0.01	35	830	10	2	5	49	0.01	< 10	< 10	53	< 10	142
L5300W 700S	201	202	5	0.01	31	820	14	8	4	55	0.01	< 10	< 10	44	< 10	178
L5300W 725S	201	202	4	0.01	31	830	16	8	4	54	0.01	< 10	< 10	48	< 10	160
L5300W 750S	201	202	4	0.01	35	840	16	4	5	51	0.01	< 10	< 10	51	< 10	158
L5300W 775S	201	202	3	0.01	33	570	12	4	5	26	0.03	< 10	< 10	50	< 10	104
L5300W 800S	201	202	3	< 0.01	23	470	10	2	4	22	0.01	< 10	< 10	40	< 10	104
L5315W 650S	201	202	3	0.01	35	680	12	2	5	38	0.01	< 10	< 10	51	< 10	134
L5350W 600S	201	202	3	< 0.01	17	330	14	8	2	20	0.02	< 10	< 10	38	< 10	62
L5350W 625S	201	202	1	< 0.01	25	440	18	2	4	27	0.03	< 10	< 10	45	< 10	84
L5350W 650S	201	202	2	0.01	34	780	14	2	4	37	0.02	< 10	< 10	46	< 10	120
L5350W 675N	201	202	3	0.01	30	740	12	2	4	40	0.01	< 10	< 10	46	< 10	136
L5350W 700S	201	202	2	0.01	31	590	12	< 2	5	35	0.03	< 10	< 10	50	< 10	106
L5350W 725S	201	202	2	0.01	34	600	14	< 2	5	36	0.04	< 10	< 10	53	< 10	116
L5350W 750S	201	202	5	0.03	39	710	14	6	4	48	0.02	< 10	< 10	52	< 10	154
L5350W 775S	201	202	5	0.01	32	790	12	4	4	58	0.01	< 10	< 10	53	< 10	156
L5350W 800S	201	202	4	0.01	26	400	14	2	4	23	0.01	< 10	< 10	45	< 10	118
L5550W 650S	201	202	5	0.01	44	650	12	4	6	26	0.01	< 10	< 10	48	< 10	144
L5550W 675S	201	202	6	0.03	30	800	12	2	4	37	0.01	< 10	< 10	45	< 10	156
L5550W 725S	201	202	6	0.02	29	700	18	12	4	69	0.01	< 10	< 10	51	< 10	146
L5550W 750S	201	202	5	0.01	44	940	14	6	4	40	0.03	< 10	< 10	36	< 10	346
L5550W 775S	201	202	1	0.01	25	470	10	< 2	3	24	0.01	< 10	< 10	43	< 10	186
L5550W 800S	201	202	1	< 0.01	26	370	10	< 2	4	20	0.03	< 10	< 10	43	< 10	230
L5550W 825S	201	202	2	< 0.01	26	460	12	< 2	5	22	0.02	< 10	< 10	48	< 10	136
L5550W 850S	201	202	1	< 0.01	16	510	10	< 2	3	19	0.03	< 10	< 10	47	< 10	74
L5600W 650S	201	202	4	< 0.01	38	420	12	4	6	21	0.02	< 10	< 10	53	< 10	128
L5600W 675S	201	202	5	0.05	40	580	14	2	6	38	0.03	< 10	< 10	59	< 10	152
L5600W 700S	201	202	3	< 0.01	28	410	10	2	6	22	0.03	< 10	< 10	47	< 10	110
L5600W 725S	201	202	1	< 0.01	25	400	8	< 2	4	21	0.04	< 10	< 10	43	< 10	78
L5600W 750S	201	202	4	0.03	24	820	14	2	3	41	0.01	< 10	< 10	36	< 10	124
L5600W 775S	201	202	4	0.02	32	860	18	4	5	37	0.02	< 10	< 10	43	< 10	130
L5600W 800S	201	202	4	0.01	34	790	14	2	5	34	0.03	< 10	< 10	43	< 10	178
L5600W 825S	201	202	3	0.01	25	790	12	6	4	30	0.03	< 10	< 10	40	< 10	118
L5600W 850S	201	202	2	< 0.01	25	580	12	2	3	21	0.02	< 10	< 10	41	< 10	92

CERTIFICATION:

A9734505 - 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	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
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
L700S 5400W	2.5	0.4	1.16	20	1020	0.5	1	0.3	0.5	8	21	43	2.54	5	0.5	0.16	10	0.28	435	3	0.01	30	860	28	6	4	42	0.01	5	5	53	5	146
L700S 5425W	2.5	0.4	1.37	90	490	0.5	1	0.16	0.5	8	26	46	3.09	5	0.5	0.09	10	0.31	335	3	0.005	31	640	162	8	4	40	0.01	5	5	61	5	156
L700S 5450W	2.5	0.6	1.23	110	730	0.5	1	0.38	1.5	10	21	52	4.45	5	0.5	0.13	20	0.34	1925	3	0.005	57	640	98	8	5	35	0.005	5	5	48	5	514
L700S 5475W	2.5	0.2	1.24	18	490	0.5	1	0.19	0.5	7	21	30	2.48	5	0.5	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	2.99	5	0.5	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	0.25	7	23	47	2.87	5	0.5	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	0.5	0.1	10	0.39	360	1	0.005	34	530	10	2	6	27	0.03	5	5	55	5	116
L5450W 675S	2.5	0.2	1.2	18	820	0.5	1	0.21	0.5	8	22	53	3.33	5	0.5	0.09	30	0.28	440	3	0.005	30	660	12	2	7	20	0.01	5	5	44	5	118
L5450W 725S	2.5	0.1	1.2	44	700	0.5	1	0.17	0.5	8	22	59	2.93	5	0.5	0.09	10	0.31	400	4	0.005	33	450	30	8	7	19	0.01	5	5	48	5	164
L5450W 750S	2.5	0.1	1.1	18	450	0.5	1	0.15	0.25	7	20	35	2.45	5	0.5	0.05	10	0.31	215	3	0.005	25	400	22	4	4	17	0.01	5	5	40	5	110
L5450W 775S	2.5	0.1	1.09	16	730	0.25	1	0.22	0.25	7	21	30	2.5	5	1	0.04	10	0.34	265	1	0.005	25	630	16	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	0.5	0.06	10	0.34	355	2	0.005	37	660	12	1	5	32	0.01	5	5	41	5	136
L5500W 600S	2.5	0.1	1.19	6	700	0.5	1	0.25	0.25	8	24	32	2.46	5	0.5	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	0.25	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	1.52	30	720	0.5	1	0.31	0.25	9	28	65	3.05	5	0.5	0.14	20	0.37	395	6	0.01	48	660	12	8	7	30	0.02	5	5	58	5	146
L5500W 675S	2.5	0.8	1.31	34	800	0.5	1	0.32	0.5	7	22	51	2.47	5	0.5	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	1.36	22	1020	0.5	1	0.32	0.5	9	26	44	3.13	5	0.5	0.1	10	0.42	480	2	0.01	41	570	8	1	6	28	0.01	5	5	52	5	220
L5500W 725S	2.5	0.1	1.9	28	550	0.5	1	0.15	0.25	12	29	32	3.08	5	0.5	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	0.25	8	22	29	2.35	5	0.5	0.06	10	0.33	210	3	0.005	26	330	10	1	4	15	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	0.01	46	690	14	2	8	29	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	0.5	0.06	10	0.41	385	2	0.01	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	0.5	0.08	10	0.35	145	1	0.005	19	280	10	6	2	14	0.03	5	5	46	5	62
L5300W 625S	2.5	0.4	1.15	22	530	0.5	1	0.75	0.25	10	24	35	2.68	5	0.5	0.1	10	0.6	510	1	0.01	32	790	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	0.01	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	0.01	31	820	14	8	4	55	0.01	5	5	44	5	178
L5300W 725S	2.5	0.6	1.02	24	850	0.5	1	0.84	1	8	18	43	2.23	5	0.5	0.14	10	0.35	395	4	0.01	31	830	16	8	4	54	0.01	5	5	48	5	160
L5300W 750S	2.5	0.6	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	0.01	35	840	16	4	5	51	0.01	5	5	51	5	158
L5300W 775S	2.5	0.1	1.27	18	840	0.5	1	0.32	0.25	9	25	40	2.63	5	0.5	0.1	10	0.37	585	3	0.01	33	570	12	4	5	26	0.03	5	5	50	5	104
L5300W 800S	2.5	0.1	1	20	760	0.5	1	0.19	0.25	6	17	36	2	5	0.5	0.08	10	0.23	270	3	0.005	23	470	10	2	4	22	0.01	5	5	40	5	104
L5315W 650S	2.5	0.2	1.29	18	990	0.5	1	0.31	0.25	9	21	45	2.72	5	0.5	0.16	10	0.3	450	3	0.01	35	660	12	2	5	38	0.01	5	5	51	5	134
L5350W 600S	2.5	1	1.13	22	290	0.25	1	0.09	0.25	5	19	24	2.01	5	0.5	0.09	10	0.25	165	3	0.005	17	330	14	8	2	20	0.02	5	5	38	5	62
L5350W 625S	2.5	0.1	1.25	24	620	0.5	1	0.2	0.25	6	25	33	2.37	5	0.5	0.08	10	0.37	205	1	0.005	25	440	18	2	4	27	0.03	5	5	45	5	84
L5350W 650S	2.5	0.2	1.13	22	890	0.5	1	0.35	0.25	7	23	38	2.41	5	1	0.1	10	0.32	375	2	0.01	34	780	14	2	4	37	0.02	5	5	46	5	120
L5350W 675N	2.5	0.2	0.99	20	950	0.5	1	0.31	0.5	8	19	40	2.39	5	0.5	0.13	10	0.28	420	3	0.01	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	0.01	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	0.5	0.12	10	0.38	410	2	0.01	34	600	14	1	5	36	0.04	5	5	53	5	116
L5350W 750S	2.5	0.4	1.33	22	900	0.5	1	0.41	0.5	9	28	43	2.44	5	0.5	0.16	10	0.39	445	5	0.03	39	710	14	6	4	48	0.02	5	5	52	5	154
L5350W 775S	2.5	0.6	1.1	24	1080	0.5	1	1.05	1	7	19	43	2.21	5	0.5	0.19	10	0.37	435	5	0.01	32	790	12	4	4	58	0.01	5	5	53	5	156
L5350W 800S	2.5	0.2	1.12	18	740	0.5	1	0.21	0.25	7	18	39	2.04	5	0.5	0.12	10	0.25	290	4	0.01	26	400	14	2	4	23	0.01	5	5	45	5	118
L5550W 650S	2.5	0.2	1.22	30	780	0.5	1	0.29	0.25	9	22	58	2.69	5	0.5	0.14	10	0.3	400	5	0.01	44	650	12	4	6	26	0.01	5	5	48	5	144
L5550W 675S	2.5	0.4	1.06	24	470	0.25	1	0.38	0.5	7	20	46	2.16	5	0.5	0.13	10	0.3	330	6	0.03	30	800	12	2	4	37	0.01	5	5	45	5	156
L5550W 725S	2.5	0.6	1.08	86	630	0.25	1	0.79	0.5	6	19	50	2.66	5	0.5	0.1	10	0.51	310	6	0.02	29	700	18	12	4	69	0.01	5	5	51	5	146
L5550W 750S	2.5	0.8	0.88	32	320	0.5	1	0.73	1.5	9	20	39	2.55	5	0.5	0.09	10	0.53	470	5	0.01	44	940	14	6	4	40	0.03	5	5	36	5	346
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	0.01	25	470	10	1	3	24	0.01	5	5	43	5	186
L5550W 800S	2.5	0.1	1.25	12	550	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	0.25	7	22	38	2.47	5	0.5	0.1	10	0.3	255	2	0.005	26	460	12	1	5	22	0.02	5	5	48	5	136
L5550W 850S	2.5	0.1	1.21	12	490	0.25	1	0.19	0.25	5	22	19	2.09	5	1	0.08	10	0.3	160	1	0.005	16	510	10	1	3	19	0.03	5	5	47	5	74
L5600W 650S	2.5	0.2	1.44	18	720	0.5	1	0.22	0.25	10	26	62	2.93	5	0.5	0.12	20	0.34	325	4	0.005	38	420	12	4	6	21	0.02	5	5	53	5	128
L5600W 675S	2.5	0.2	1.79	26	790	0.5	1	0.43	0.25	8	27	56	2.68	5	0.5	0.18	10	0.45	365	5	0.05	40	580	14	2	6	38	0.03	5	5	59	5	152
L5600W 700S	2.5	0.1	1.19	22	610	0.5	1	0.23	0.25	6	23	42	2.49	5	0.5	0.11	10	0.33	230	3	0.005	28	410	10	2	6	22	0.03	5	5	47	5	110
L5600W 725S	2.5	0.1	1.24	12	500	0.5	1	0.22	0.25	8	26	30	2.31	5	0.5	0.09	10	0.39	200	1	0.005	25	400	8	1	4	21	0.04	5	5	43	5	78
L5600W 750S	2.5	0.4	0.81	22	560	0.25	1	0.45	1	6	14	36	1.75	5	0.5	0.11	10	0.29	340	4	0.03	24	820	14	2	3	41	0.01	5	5	36	5	124
L5600W 775S	2.5	0.6	1.11	32	700	0.5	1	0.37	0.5	6	19	49	2.28	5	0.5	0.13	10	0.32	335	4	0.02	32	860	18	4	5	37	0.02	5	5	43	5	130
L5600W 800S	2.5	0.4	1.12	20	610	0.5	1	0.44	2	9	22	39	2.41	5	0.5	0.09	10	0.39	280	4	0.01	34	790	14	2	5	34	0.03	5	5	43	5	178
L5600W 825S	2.5	0.2	1.04	12	510	0.25	1	0.31	0.25	8	22	28	2.27	5	0.5	0.07	10	0.35	260	3	0.01	25	790	12	6	4	30	0.03	5	5	40	5	118
L5600W 850S	2.5	0.1	1.15	16	430	0.5	1	0.2	0.25	10	23	29	2.49	5	0.5	0.07	10	0.33	295	2	0.005	25	580	12	2	3	21	0.02	5	5	41	5	92
Median	2.5	0.25	1.155	18	725	0.5	1	0.25	0.375	9	22	36	2.515	5	0.5	0.115	10	0.295	365	2.5	0.008	27.5	720	20	4	3.5	31.5	0.015	5	5	47	5	119
Standard Deviation	0	0.15	0.005	2	295	0	0	0.05	0.125	1	1	7	0.025	0	0	0.045	0	0.035	70	0.5	0.003	2.5	140	8	2	0.5	10.5	0.005	0	0	6	0	27
95th Percentile	2.5	0.65	1.533	54.5	1028	0.5	1	0.803	1.5	10	28	58.25	3.1	5	0.625	0.16	20	0.465	502.5	5	0.03	44.5	845	28.5	8	7	54.25	0.03	5	5	58.25	5	222.5
85th Percentile	2.5	0.6	1.368	29.5	932.5	0.5	1	0.448	0.875	9	26	49.75	3.005	5	0.5	0.148	10	0.4	440	5	0.01	37.75	797.5	16	6	6	41	0.03	5	5	53	5	159.5
50th Percentile	2.5	0.2	1.2	20	725	0.5	1	0.305	0.25	8	22	40	2.475	5	0.5	0.1	10	0.345	337.5	3	0.01	31	635	12	2	4	29.5	0.02	5	5	46.5	5	135

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

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 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.

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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

Project : BLK97-03
Comments: CC: BLACKSTONE RESOURCES

Certificate Date: 06-AUG-97
Invoice No. :I9734509
P.O. Number :
Account :EIA

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	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: Stuart Bichler

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 : BLK97-03
Comments: CC: BLACKSTONE RESOURCES

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
MH-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
MH-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
MH-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	< 0.2	1.41	8	190	< 0.5	< 2	0.17	< 0.5	7	29	20	2.17	< 10	< 1	0.06	10	0.49	235
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

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Project : BLK97-03
Comments: CC: BLACKSTONE RESOURCES

Certificate Date: 06-AUG-97
Invoice No. : I9734509
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Account : EIA

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

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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

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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
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: Stuart Buchlan

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 : BLK97-03
Comments: CC: BLACKSTONE RESOURCES

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
MH-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
MH-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
MH-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	< 0.2	1.41	8	190	< 0.5	< 2	0.17	< 0.5	7	29	20	2.17	< 10	< 1	0.06	10	0.49	235
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: Stewart Bradley

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: EQUITY ENGINEERING LTD.

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

Project : BLK97-03
Comments: CC: BLACKSTONE RESOURCES

Certificate Date: 06-AUG-97
Invoice No. : I9734509
P.O. Number :
Account : EIA

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

PROJECT : BLK97-03 King Claims Soil Survey

CERTIFICATE COMMENTS : CC: BLACKSTONE RESOURCES

SAMPLE	Au ppb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
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
L5700E 350S	2.5	0.2	0.72	12	120	0.25	1	0.13	0.25	1	15	8	0.9	5	0.5	0.05	5	0.27	70	1	0.03	7	400	4	1	1	13	0.03	5	5	25	5	28
L5700E 375S	2.5	0.1	0.74	4	80	0.25	1	0.12	0.25	1	11	7	0.91	5	0.5	0.03	10	0.06	50	1	0.005	4	120	10	1	1	14	0.05	5	5	43	5	26
L5700E 400S	2.5	0.2	1.35	8	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	32
L5700E 425S	2.5	0.4	1.13	34	210	0.25	1	0.21	0.25	4	24	20	1.63	5	0.5	0.08	10	0.52	210	4	0.01	20	690	8	1	2	22	0.05	5	5	50	5	106
L5700E 450S	2.5	0.2	0.78	14	170	0.25	1	0.14	0.25	3	19	11	1.06	5	0.5	0.06	5	0.41	165	2	0.02	12	360	2	1	1	15	0.04	5	5	38	5	60
L5700E 500S	2.5	0.6	0.98	24	170	0.25	1	0.26	0.25	5	21	14	1.63	5	0.5	0.06	5	0.42	500	4	0.01	32	510	16	1	2	27	0.04	5	5	41	5	178
L5700E 525S	2.5	0.6	1.3	40	340	0.25	1	0.35	0.25	9	26	28	2.08	5	0.5	0.09	10	0.56	925	4	0.01	42	730	18	2	3	38	0.04	5	5	55	5	184
L5700E 550S	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	60
L5700E 575S	2.5	0.6	1.29	16	290	0.25	1	0.7	0.5	8	21	27	1.82	5	0.5	0.06	10	0.55	975	4	0.01	35	600	22	2	3	43	0.04	5	5	42	5	176
L5700E 600S	2.5	0.2	1.25	18	210	0.25	1	0.6	0.25	8	23	15	2.04	5	0.5	0.05	5	0.56	660	3	0.01	27	480	38	1	2	37	0.05	5	5	53	5	148
L5700E 625S	2.5	0.2	1.39	16	250	0.25	1	0.66	0.5	9	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	166
L5700E 650S	2.5	0.2	2.23	18	270	0.5	1	1.11	0.25	8	25	21	2.45	5	0.5	0.09	5	0.82	665	2	0.03	24	540	10	1	3	59	0.06	5	5	39	5	130
L5700E 675S	2.5	0.2	2.19	16	260	0.5	1	1.55	0.25	7	24	23	2.19	5	0.5	0.09	5	0.81	530	2	0.04	22	590	8	1	3	81	0.05	5	5	37	5	108
L5700E 700S	2.5	0.2	2.56	16	260	0.5	1	1.3	0.25	9	28	24	2.47	5	0.5	0.1	5	1.14	565	1	0.04	25	580	10	2	4	86	0.07	5	5	47	5	136
L5700E 725S	2.5	0.2	2.29	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	212
L5700E 750S	2.5	0.1	2.65	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	38	5	160
L6100E 350S	2.5	0.2	1.36	32	400	0.25	1	0.73	0.25	7	22	22	1.9	5	0.5	0.08	10	0.41	395	2	0.01	24	560	10	1	3	40	0.04	5	5	37	5	94
L6100E 400S	2.5	0.2	1.05	16	220	0.25	1	0.1	0.25	4	16	13	1.51	5	0.5	0.05	10	0.29	170	1	0.02	14	300	8	1	1	12	0.04	5	5	33	5	52
L6100E 450S	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	590	8	1	3	42	0.03	5	5	34	5	92
L6100E 500S	2.5	0.8	1.19	42	720	0.25	1	0.8	0.5	8	18	31	1.98	5	0.5	0.11	10	0.3	1330	2	0.01	25	640	36	2	2	62	0.01	5	5	43	5	176
L6100E 550S	2.5	0.6	1.98	20	330	0.5	1	1.16	0.5	8	26	34	2.33	5	0.5	0.08	10	0.75	1125	3	0.03	34	680	28	2	3	78	0.06	5	5	51	5	198
L6100E 600S	2.5	0.6	1.91	16	260	0.5	1	1.54	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	112
L6100E 650S	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	90
L6100E 700S	2.5	0.4	1.72	16	180	0.25	1	1.11	0.25	8	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	86
L6100E 750S	2.5	0.2	2.56	20	170	0.5	1	1.14	0.25	11	24	24	3.23	5	0.5	0.23	5	1.29	615	1	0.05	19	580	8	2	4	56	0.08	5	5	31	5	86
MH-97-S-0001	2.5	0.1	1.51	26	160	0.25	1	0.16	0.25	6	31	14	2.97	5	0.5	0.06	10	0.49	270	2	0.005	22	600	18	1	3	17	0.05	5	5	48	5	94
MH-97-S-0002	2.5	1	0.96	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	36
MH-97-S-0003	2.5	0.6	1.29	24	240	0.25	1	0.17	0.25	5	25	12	2.25	5	0.5	0.08	10	0.36	205	3	0.01	18	530	12	2	1	24	0.04	5	5	36	5	78
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	0.08	10	0.25	235	1	0.005	10	650	10	1	1	13	0.05	5	5	55	5	72
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	38	5	78
MH-97-S-0006	2.5	0.1	1.6	12	180	0.25	1	0.18	0.25	6	28	14	2.23	5	0.5	0.04	10	0.42	245	1	0.005	18	660	10	1	1	14	0.04	5	5	43	5	58
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	135	1	0.005	12	310	10	1	2	10	0.04	5	5	44	5	46
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	60
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	70
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	0.32	220	1	0.005	12	250	12	1	2	12	0.04	5	5	43	5	68
MH-97-S-0011	2.5	0.2	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	58
MH-97-S-0012	2.5	0.1	1.55	16	130	0.25	1	0.13	0.25	5	30	15	2.59	5	0.5	0.07	10	0.47	245	1	0.005	19	450	10	1	2	13	0.05	5	5	45	5	64
MH-97-S-0013	2.5	0.1	1.16	6	110	0.25	1	0.13	0.25	3	21	10	1.86	5	0.5	0.03	5	0.29	110	1	0.005	11	480	8	1	1	14	0.02	5	5	32	5	40
MH-97-S-0014	2.5	0.1	1.45	10	200	0.25	1	0.31	0.25	7	27	13	2.28	5	0.5	0.05	10	0.48	365	1	0.005	21	700	8	1	2	21	0.03	5	5	34	5	74
MH-97-S-0015	2.5	0.1	2.27	16	330	0.5	1	1.15	0.25	8	26	17	2.19	5	0.5	0.07	5	0.76	430	1	0.09	19	670	10	1	3	75	0.05	5	5	32	5	92
MH-97-S-0016	2.5	0.2	3.14	18	350	0.5	1	1.78	0.25	11	33	29	2.81	5	0.5	0.12	10	1.13	660	1	0.16	28	870	16	1	4	126	0.08	5	5	46	5	124
MH-97-S-0017	2.5	1	2.31	22	740	0.5	1	1.23	0.25	10	29	56	2.48	5	0.5	0.08	5	1.56	960	1	0.04	29	930	86	2	4	77	0.06	5	5	60	5	212
MH-97-S-0018	2.5	0.4	1.66	16	260	0.5	1	2.42	1	6	20	32	1.98	5	0.5	0.07	5	0.6	595	1	0.03	24	700	12	1	3	99	0.04	5	5	33	5	116
WC-97-S-300	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	0.16	165	1	0.05	8	430	2	1	1	27	0.03	5	5	26	5	42
WC-97-S-301	2.5	0.1	1.41	8	190	0.25	1	0.17	0.25	7	29	20	2.17	5	0.5	0.06	10	0.49	235	0.5	0.005	26	560	10	1	3	14	0.04	5	5	37	5	86
WC-97-S-302	2.5	0.6	0.66	8	320	0.25	1	0.16	0.25	3	12	19	1.22	5	0.5	0.07	5	0.16	95	1	0.04	11	340	8	1	0.5	20	0.01	5	5	39	5	64
WC-97-S-303	2.5	0.4	1.26	46	310	0.25	1	1.03	1.5	8	22	28	1.84	5	0.5	0.06	5	0.38	320	1	0.02	28	580	12	1	2	44	0.02	5	5	41	5	202
WC-97-S-304	2.5	0.2	0.7	8	250	0.25	1	0.48	0.25	5	9	11	1.02	5	0.5	0.03	5	0.1	215	0.5	0.06	7	470	2	1	0.5	25	0.03	5	5	29	5	36
WC-97-S-305	2.5	0.6	1.33	56	450	0.25	1	1.05	2.5	7	27	36	1.8	5	0.5	0.06	10	0.42	315	3	0.01	36	750	14	1	3	54	0.04	5	5	51	5	440
WC-97-S-306	2.5	0.4	1.07	34	390	0.25	1	0.72	1	4	20	23	1.27	5	0.5	0.1	10	0.31	155	1	0.03	20	630	6	1	2	43	0.03	5	5	39	5	196
WC-97-S-307	2.5	0.6	1.05	28	930	0.25	1	0.47	1	7	17	39	2.06	5	0.5	0.11	10	0.27	365	5	0.01	28	780	12	2	3	45	0.01	5	5	41	5	170
WC-97-S-308	2.5	0.2	0.77	22	1010	0.25	1	0.26	0.5	8	18	35	1.8	5	0.5	0.06	10	0.31	235	4	0.005	27	840	8	2	2	34	0.01	5	5	34	5	174
WC-97-S-309	2.5	0.8	0.8	10	430	0.25	1	0.09	0.25	3	13	21	1.29	5	0.5	0.06	5	0.17	120	2	0.01	15	420	6	1	1	16	0.01	5	5	33	5	76
WC-97-S-310	2.5	0.1	1.06	20	240	0.25	1	0.12	0.25	4	23	19	2.3	5	0.5	0.06	10	0.35	185	3	0.005	21	710	12	1	1	18	0.03	5	5	51	5	120
WC-97-S-311	2.5	0.1	1.17	24	360	0.25	1	0.14	0.25	7	19	27	1.98	5	0.5	0.07	10	0.3	165	3	0.005	29	590	10	1	2	24	0.02	5	5	40	5	160
WC-97-S-312	2.5	0.1	1.05	20	850	0.25	1	0.17	0.5	6	19	28	1.69	5	0.5	0.07	10	0.29	220	2	0.005	26	590	6	1	2	23	0.03	5	5	39	5	120
WC-97-S-313	2.5	0.6	1.31	14	250	0.25	1	0.41	0.5	10	24	23	1.81	5	0.5	0.06	10	0.48	560	2	0.01	23	630	10	1	3	28	0.04	5	5	47	5	124
WC-97-S-314	2.5	0.1	0.99	6	90	0.25	1	0.08	0.25	2	16	8	1.35	5	0.5	0.04	10	0.18	100	0.5	0.005	7	150	10	1	1	10	0.06	5	5	45	5	32
WC-97-S-315	2.5	0.4	1.31	22	320	0.25	1	0.13	0.25	8	30	31	2.23	5	0.5	0.08	10	0.48	255	1	0.005	26	410	10	1	3	15	0.04	5	5	47	5	76
WC-97-S-316	2.5	0.2	1.25	18	140	0.25	1	0.23	0.25	6	27	17	2.29	5	0.5	0.05	10	0.4	205	0.5	0.005	19	600	10	1	1	17	0.03	5	5	44	5	58
WC-97-S-317	2.5	0.2	1.34	18	240	0.25	1	0.4	0.25	8	24	15	1.84	5	0.5	0.07	10	0.68	450	1	0.01	18	520	8	1	3	24	0.05	5	5	44	5	104
WC-97-S-318	2.5	0.2	1.72	20	260	0.25	1	0.95	0.5	8	24	21	2.2	5	0.5	0.06	10	0.7	780	1	0.03	28	620	20	1	3	46	0.06	5	5	49	5	146
WC-97-S-319	2.5	0.2	1.59	14	250	0.25	1	1	0.5	10	23	24	1.95	5	0.5	0.07	10	0.63	640	3	0.03	37	580	14	1	3	48	0.05	5	5	42	5	170
WC-97-S-320	2.5	0.1	1.38	16	150	0.25	1	0.22	0.25	16	24	25	3.14	5	0.5	0.04	10	0.43	530	7	0.005	40	660	24	1	2	21	0.04	5	5	48	5	314
WC-97-S-321	2.5	0.1	1.58	14	170	0.25	1	0.29	0.25	8	25	14	2.1	5	0.5	0.05	10	0.6	305	2	0.01	21	410	14	1	3	28	0.04	5	5	48	5	100
WC-97-S-322	2.5	0.4	1.98	34	180	0.5	1	1.07	0.25	10	25	26	2.71	5	0.5	0.07	5	0.85	660	2	0.01	25	660	14	1	3	57	0.05	5	5	42	5	102
Median	2.5	0.3	1.35	23	150	0.375	1	0.6	0.25	5.5	20	17	1.805	5	0.5	0.06	5	0.56	365	1.5	0.02	16	540	9	1	2	35	0.04	5	5	33.5	5	85
Standard Deviation	0	0.1	0.63	11	30	0.125	0	0.47	0	4.5	5	9	0.905	0	0	0.01	0	0.29	295	0.5	0.01	9	140	5	0	1	22	0.01	0	0	6.5	0	37
95th Percentile	2.5	0.75	2.498	38.5	735	0.5	1	1.53	1	10	29.75	35.75	2.765	5	0.5	0.11	10	1.11	951.3	4	0.058	36.75	825	27	2	4	93.5	0.078	5	5	52.5	5	209.5
85th Percentile	2.5	0.6	1.98	24.5	390	0.5	1	1.143	0.5	9	27	28.25	2.428	5	0.5	0.09	10	0.753	660	3	0.04	28.25	692.5	18.5	2	3	65.25	0.053	5	5	48	5	178.5
50th Percentile	2.5	0.2	1.32	16	245	0.25	1	0.355	0.25	6	23	19.5	2.03	5	0.5	0.07	10	0.42	307.5	1	0.01	21	580	10	1	2	28	0.04	5	5	41	5	94

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

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	Ti %: 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.

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: 05-AUG-97
Invoice No. :19734512
P.O. Number :
Account :EIA

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/ss	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	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: Ivan Buchler

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 : BLK97-03
Comments: CC: BLACKSTONE RESOURCES

Certificate Date: 05-AUG-97
Invoice No. : I9734512
P.O. Number :
Account : EIA

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	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	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:

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

Project : BLK97-03
Comments: CC: BLACKSTONE RESOURCES

Certificate Date: 05-AUG-97
Invoice No. : I9734512
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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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

DATE RECEIVED : 28-JUL-97

PROJECT : BLK97-03 Kal-Cave Area Soils

CERTIFICATE COMMENTS : CC: BLACKSTONE RESOURCES

SAMPLE	Au ppb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
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
L700E 1000N	2.5	0.6	1.36	10	460	0.25	1	1.69	1	7	19	17	2.05	0.5	0.5	0.07	10	0.62	3100	7	0.01	24	700	54	1	2	88	0.03	0.5	0.5	55	0.5	206
L700E 1025N		0.2	0.88	2	220	0.25	1	2.6	2	4	13	27	1.19	0.5	0.5	0.07	0.5	0.45	460	1	0.01	21	870	34	1	1	87	0.02	0.5	0.5	32	0.5	172
L700E 1050N	2.5	0.4	1.36	10	270	0.25	1	0.77	1	7	23	26	2.1	0.5	0.5	0.11	10	0.84	395	2	0.005	29	860	84	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	25	28	2.39	0.5	0.5	0.14	20	0.91	510	3	0.005	28	650	84	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	27	2.52	0.5	0.5	0.19	20	0.88	915	3	0.01	31	900	110	2	3	43	0.03	0.5	0.5	65	0.5	496
L700E 1125N	2.5	0.2	1.88	14	290	0.5	1	0.56	0.5	7	28	29	2.53	0.5	0.5	0.21	20	1.01	410	2	0.005	32	590	88	2	4	34	0.05	0.5	0.5	73	0.5	256
L700E 1150N	5	0.2	1.66	12	330	0.25	1	0.51	0.25	6	25	20	2.26	0.5	0.5	0.12	10	0.8	390	3	0.005	23	590	52	1	3	35	0.04	0.5	0.5	71	0.5	200
L700E 1175N	2.5	0.2	1.42	8	370	0.25	1	0.26	2	6	20	33	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	17	2.24	0.5	0.5	0.12	10	0.5	525	3	0.005	16	530	48	1	2	27	0.04	0.5	0.5	56	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	0.52	250	1	0.005	23	510	24	1	3	24	0.04	0.5	0.5	49	0.5	104
L700E 1250N	2.5	0.2	1.27	8	320	0.25	1	0.39	0.5	6	20	17	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	1.99	12	260	0.25	1	0.15	0.25	7	30	26	2.95	0.5	0.5	0.07	10	0.67	190	1	0.005	24	260	16	1	3	15	0.05	0.5	0.5	56	0.5	88
L3900E 425N	2.5	0.1	2.16	2	260	0.25	1	0.39	0.25	7	28	9	2.19	0.5	0.5	0.06	10	0.42	800	0.5	0.005	18	290	20	1	3	25	0.06	0.5	0.5	65	0.5	558
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	0.5	13	6	0.7	0.5	0.5	0.04	10	0.14	40	0.5	0.005	4	140	10	1	1	14	0.03	0.5	0.5	29	0.5	28
L3900E 500N	2.5	0.2	1.4	10	160	0.25	1	0.12	0.25	4	24	13	2.35	0.5	0.5	0.07	10	0.36	140	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	0.26	0.5	6	10	31	0.96	0.5	0.5	0.03	10	0.1	895	0.5	0.04	7	870	22	1	0.5	17	0.01	0.5	0.5	19	0.5	32
L3900E 550N	2.5	0.2	1.38	1	290	0.25	1	0.46	0.5	7	23	12	1.47	0.5	0.5	0.06	10	0.45	350	3	0.005	19	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	0.49	0.25	6	23	12	1.97	0.5	0.5	0.06	10	0.48	345	9	0.005	17	790	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	27	14	1.91	0.5	0.5	0.08	10	0.54	750	8	0.005	21	750	12	1	3	37	0.05	0.5	0.5	65	0.5	172
L3900E 625N	10	0.4	1.52	4	320	0.25	1	0.57	0.5	28	24	16	2.08	0.5	0.5	0.05	10	0.51	2720	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	0.67	0.5	18	24	13	2.12	0.5	0.5	0.05	10	0.48	1670	24	0.005	20	870	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	0.66	0.5	14	24	16	1.99	0.5	0.5	0.06	10	0.52	880	12	0.005	22	850	14	1	2	39	0.04	0.5	0.5	60	0.5	176
L3900E 700N	2.5	0.2	1.26	4	270	0.25	1	0.94	0.5	13	20	12	1.84	0.5	0.5	0.06	10	0.45	880	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	26	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	0.2	0.25	5	24	8	2	0.5	0.5	0.05	10	0.35	125	0.5	0.005	13	270	10	1	2	16	0.05	0.5	0.5	50	0.5	60
L4000E 450N	2.5	0.2	1.47	10	130	0.25	1	0.14	0.25	4	23	8	2.16	0.5	0.5	0.05	10	0.29	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	0.29	105	0.5	0.005	10	250	12	1	1	12	0.04	0.5	0.5	48	0.5	46
L4000E 500N	2.5	0.1	1.39	8	190	0.25	1	0.13	0.25	4	22	8	2.05	0.5	0.5	0.04	10	0.31	145	0.5	0.005	11	240	18	1	1	12	0.04	0.5	0.5	46	0.5	84
L4000E 525N	2.5	0.1	1.26	12	70	0.25	1	1.25	0.25	3	11	8	1.84	0.5	0.5	0.04	0.5	0.25	1140	0.5	0.04	10	530	10	1	0.5	37	0.03	0.5	0.5	43	0.5	50
L4000E 575N	2.5	0.6	1.65	22	290	0.25	1	0.5	1.5	5	26	10	2.44	0.5	0.5	0.11	10	0.39	1450	1	0.005	23	490	278	2	1	37	0.04	0.5	0.5	66	0.5	906
L4000E 600N	2.5	0.2	1.86	18	410	0.25	1	0.28	1	11	26	13	2.84	0.5	0.5	0.05	10	0.36	2180	0.5	0.005	21	320	206	1	2	20	0.04	0.5	0.5	61	0.5	804
L4000E 625N	2.5	0.1	1.91	10	260	0.5	1	0.82	0.25	7	28	11	2.49	0.5	0.5	0.08	10	0.41	730	0.5	0.005	25	280	42	1	4	29	0.05	0.5	0.5	67	0.5	152
L4000E 650N	2.5	0.2	0.68	1	110	0.25	1	1.83	0.5	1	6	15	0.66	0.5	0.5	0.03	0.5	0.06	105	0.5	0.04	9	440	2	1	0.5	40	0.02	0.5	0.5	19	0.5	28
L4000E 700N	2.5	0.2	1.54	20	150	0.25	1	0.15	1	7	24	7	2.28	0.5	0.5	0.08	10	0.3	220	1	0.005	19	480	12	1	1	23	0.04	0.5	0.5	64	0.5	328
L4100E 400N	2.5	0.2	1.18	8	230	0.25	1	0.26	0.25	4	19	10	1.85	0.5	0.5	0.1	10	0.37	115	1	0.005	13	290	10	1	1	20	0.04	0.5	0.5	43	0.5	60
L4100E 425N	2.5	0.2	1.33	6	310	0.25	1	0.29	0.25	7	22	13	1.87	0.5	0.5	0.1	10	0.48	240	0.5	0.01	16	460	10	1	2	21	0.04	0.5	0.5	41	0.5	72
L4100E 450N	2.5	0.1	1.8	12	400	0.5	1	0.32	0.25	8	27	19	2.4	0.5	0.5	0.12	10	0.6	240	1	0.005	22	820	14	1	3	25	0.03	0.5	0.5	53	0.5	96
L4100E 475N	2.5	0.6	2.01	8	820	0.5	1	0.3	1	9	28	28	2.34	0.5	0.5	0.12	10	0.67	1045	1	0.01	28	470	14	1	3	28	0.04	0.5	0.5	53	0.5	212
L4100E 500N	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
L4100E 525N	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	2	1	17	0.05	0.5	0.5	42	0.5	56
L4100E 550N	2.5	0.1	1.43	6	390	0.25	1	0.27	0.25	5	24	9	1.86	0.5	1	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
L4100E 575N	2.5	0.1	1.67	14	240	0.25	1	0.15	0.25	6	23	19	2.36	0.5	0.5	0.08	10	0.53	110	1	0.005	20	160	22	1	2	15	0.05	0.5	0.5	55	0.5	92
L4100E 600N	2.5	0.4	2.02	32	320	0.5	1	0.47	0.5	6	27	8	2.78	0.5	0.5	0.14	10	0.25	1830	1	0.02	28	210	70	2	3	24	0.06	0.5	0.5	80	0.5	752
L4100E 625N	2.5	0.1	1.65	18	190	0.5	1	0.33	0.25	6	29	13	2.34	0.5	0.5	0.15	10	0.38	305	1	0.005	21	230	50	1	3	22	0.06	0.5	0.5	55	0.5	110
L4100E 650N	2.5	0.1	1.26	8	180	0.25	1	0.2	0.25	4	22	8	1.89	0.5	0.5	0.08	10	0.29	125	1	0.005	11	230	18	1	2	17	0.06	0.5	0.5	55	0.5	68
L4100E 675N	2.5	0.1	1.45	12	360	0.25	1	0.24	0.25	7	25	10	2.13	0.5	0.5	0.09	10	0.38	215	1	0.005	16	250	12	1	2	24	0.05	0.5	0.5	54	0.5	68
L4100E 700N	2.5	0.2	1.27	8	270	0.25	1	0.31	0.25	6	21	11	1.74	0.5	0.5	0.07	10	0.35	210	0.5	0.01	17	350	10	1	2	25	0.04	0.5	0.5	50	0.5	82
L4200E 450N	2.5	0.2	1.03	2	250	0.25	1	0.24	0.25	3	13	10	1.25	0.5	0.5	0.08	0.5	0.36	80	1	0.02	9	250	10	1	1	17	0.03	0.5	0.5	32	0.5	66
L4200E 475N	2.5	0.1	1.41	12	370	0.25	1	0.46	0.25	5	20	15	1.89	0.5	0.5	0.08	10	0.61	180	1	0.01	14	600	14	1	2	33	0.04	0.5	0.5	41	0.5	80
L4200E 500N	2.5	0.1	0.6	2	140	0.25	1	0.15	0.25	1	11	4	0.86	0.5	0.5	0.06	10	0.15	45	0.5	0.01	5	190	10	1	0.5	13	0.03	0.5	0.5	23	0.5	34
L4200E 525N	2.5	0.2	1.08	8	250	0.25	1	0.3	0.25	3	18	9	1.38	0.5	0.5	0.07	10	0.37	135	1	0.01	11	480	20	1	1	23	0.04	0.5	0.5	40	0.5	74
L4200E 550N	2.5	0.1	0.87	1	190	0.25	1	0.17	0.25	2	14	6	1.13	0.5	0.5	0.06	10	0.19	85	0.5	0.005	8	250	20	1	1	18	0.04	0.5	0.5	36	0.5	46
L4200E 575N	2.5	0.1	1.16	10	220	0.25	1	0.15	0.25	3	20	6	1.95	0.5	0.5	0.08	10	0.24	140	1	0.005	10	300	22	1	1	15	0.04	0.5	0.5	52	0.5	62
L4200E 600N	2.5	0.2	1.83	6	340	0.25	1	0.21	0.25	5	23	11	1.73	0.5	0.5	0.1	10	0.71	125	2	0.01	15	290	16	1	2	21	0.05	0.5	0.5	68	0.5	118
L4200E 625N	2.5	0.2	1.07	8	190	0.25	1	0.13	0.25	3	16	9	1.36	0.5	0.5	0.07	10	0.4	85	2	0.005	11	210	18	1	1	18	0.05	0.5	0.5	55	0.5	68
L4200E 650N	2.5	0.6	1.25	14	440	0.25	1	0.37	1	12	25	28	2.18	0.5	0.5	0.1	10	0.49	490	2	0.005	26	1000	24	2	3	30	0.04	0.5	0.5	48	0.5	118
L4200E 675N	2.5	0.1	1.64	16	430	0.25	1	0.38	0.25	10	22	28	2.46	0.5	0.5	0.22	10	0.89	390	1	0.01	21	650	18	1	3	32	0.03	0.5	0.5	44	0.5	116
L4200E 700N	2.5	0.1	1.25	6	290	0.25	1	0.23	0.25	7	18	13	1.88	0.5	0.5	0.12	10	0.43	290	1	0.01	15	280	12	1	2	18	0.04	0.5	0.5	38	0.5	70
L4200E 725N	2.5	0.1	1.51	12	340	0.25	1	0.18	0.25	8	23	18	2.17	0.5	0.5	0.16	10	0.7	215	1	0.01	19	290	28	2	2	21	0.05	0.5	0.5	52	0.5	106
L4200E 750N	2.5	0.1	1.41	6	380	0.25	1	0.58	0.25	6	22	16	1.83	0.5	0.5	0.11	10	0.61	175	2	0.01	19	470	16	1	3	37	0.04	0.5	0.5	56	0.5	94
L5550E BL 0	2.5	0.1	1.18	6	360	0.25	1	0.25	0.25	6	21	9	1.85	0.5	0.5	0.07	10	0.34	210	1	0.005	15	350	8	2	2	17	0.04	0.5	0.5	40	0.5	54
L5550E 025N	2.5	0.1	1.64	1	570	0.25	1	0.4	0.25	7	24	11	2.1	0.5	0.5	0.06	10	0.38	265	0.5	0.01	17	260	12	1	3	24	0.03	0.5	0.5	48	0.5	98
L5550E 050N	2.5	0.1	1.2	8	280	0.25	1	0.29	0.25	7	13	10	2.23	0.5	0.5	0.06	0.5	0.23	350	1	0.02	13	270	10	1	1	18	0.02	0.5	0.5	30	0.5	52
L5550E 075N	2.5	0.1	1.73	2	230	0.5	1	0.23	0.25	8	23	7	2.17	0.5	0.5	0.08	10	0.33	345	1	0.01	17	200	14	2	2	17	0.05	0.5	0.5	45	0.5	86
L5550E 100N	2.5	0.1	1.46	12	270	0.5	1	0.26	0.25	9	26	14	2.33	0.5	0.5	0.11	10	0.36	200	1	0.005	20	200	12	1	4	19	0.04	0.5	0.5	46	0.5	70
L5550E 125N	2.5	0.1	2.48	2	320	0.5	1	0.28	0.25	12	22	10	2.69	0.5	0.5	0.14	10	0.72	450	0.5	0.03	23	510	10	1	3	22	0.06	0.5	0.5	27	0.5	150
L5550E 150N	2.5	0.1	1.58	6	220	0.25	1	0.26	0.5	7	26	13	2.15	0.5	1	0.1	10	0.38	240	1	0.005	19	330	88	1	3	19	0.05	0.5	0.5	51	0.5	148
L5550E 175N	2.5	0.2	1.49	8	370	0.25	1	0.32	0.25	5	24	10	1.6	0.5	0.5	0.08	10	0.5	170	0.5	0.005	14	490	20	1	3	28	0.05	0.5	0.5	54	0.5	116
L5550E 200N	2.5	0.6	1.69	14	230	0.25	1	0.35	0.25	8	30	17	2.59	0.5	0.5	0.12	10	0.47	215	1	0.005	21	800	26	1	3	32	0.05	0.5	0.5	61	0.5	136
Mean		0.6	1.525	12	345	0.25	1	1.02	0.625	7.5	24.5	17	2.32	0.5	0.5	0.095	10	0.545	2658	4	0.008	22.5	750	40	1	2.5	49	0.04	0.5	0.5	58	0.5	172
Standard Deviation	0	0	0.165	2	115	0	0	0.67	0.375	0.5	5.5	0	0.27	0	0	0.025	0	0.075	2443	3	0.003	1.5	50	14	0	0.5	17	0.01	0	0	3	0	34
95th Percentile	2.5	0.6	2.001	18	435.5	0.5	1	1.111	1.275	12.55	28	28	2.645	0.5	0.5	0.156	10	0.764	1758	10.65	0.026	27.1	870	85.1	2	3	44.1	0.06	0.5	0.5	69.65	0.5	531
85th Percentile	2.5	0.4	1.683	14	370	0.5	1	0.597	0.5	8	26.65	23.9	2.426	0.5	0.5	0.12	10	0.633	873	3	0.01	23	756.5	49.3	1	3	37	0.05	0.5	0.5	65	0.5	209.9
50th Percentile	2.5	0.2	1.435	8	270	0.25	1	0.3	0.25	6	23	12.5	2.065	0.5	0.5	0.08	10	0.42	245	1	0.005	17.5	395	16	1	2	23	0.04	0.5	0.5	51.5	0.5	102

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 $^{207}Pb/^{204}Pb$ v. $^{206}Pb/^{204}Pb$ diagram in Figure 1 and $^{208}Pb/^{206}Pb$ v. $^{207}Pb/^{206}Pb$ 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 crustalorigin. 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 Devono-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 ag o 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 $^{207}Pb/^{204}Pb$ v. $^{206}Pb/^{204}Pb$ space is due to variablity 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

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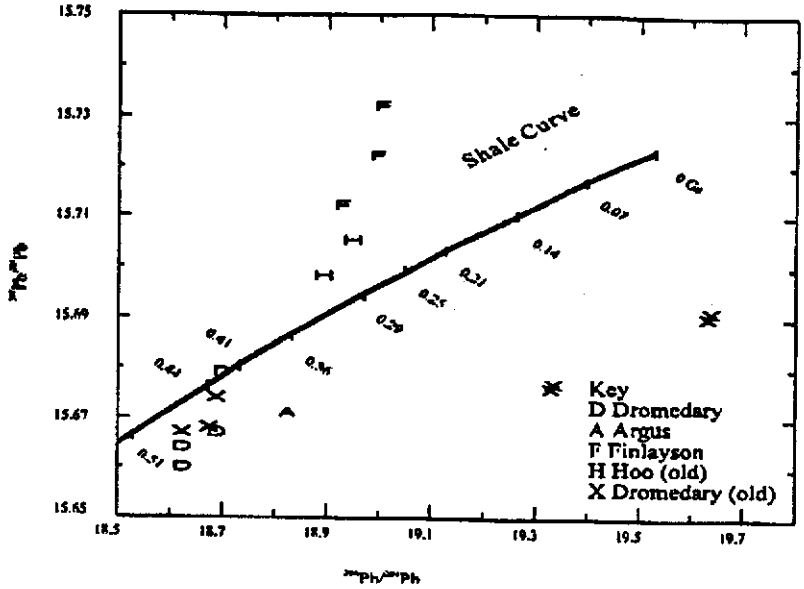


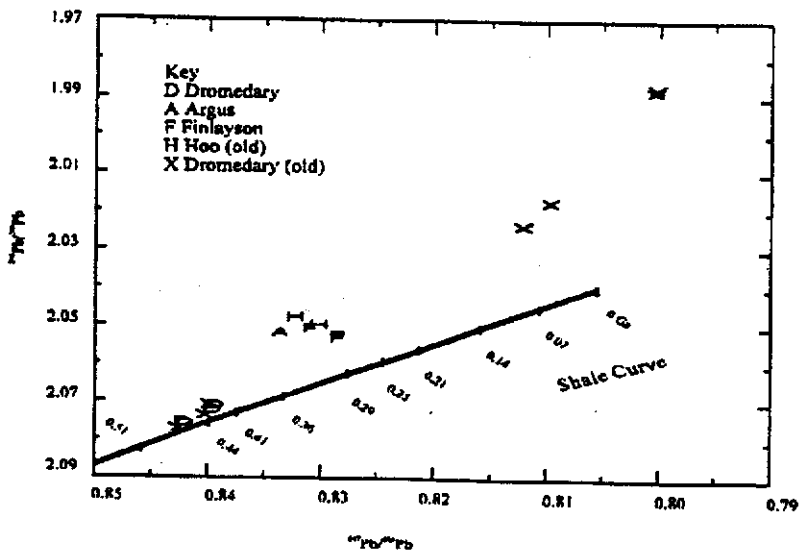


Figure 1. $^{207}Pb/^{204}Pb$ v. $^{206}Pb/^{204}Pb$ plot of lead isotope analyses of samples. Shale curve of Godwin and Sinclair (1982) for reference. "Old" analyses are from Godwin *et al.* (1989).

Figure 2. $^{208}Pb/^{206}Pb$ v. $^{207}Pb/^{206}Pb$ 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	$^{206}Pb/^{204}Pb$	Error %	$^{207}Pb/^{204}Pb$	Error %	$^{208}Pb/^{204}Pb$	Error %	$^{207}Pb/^{206}Pb$	Error %	$^{208}Pb/^{206}Pb$	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	18.685	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

Janet E. Gabites
The Geochronology Laboratory,
Department of Earth and Ocean Sciences,
The University of British Columbia,
Vancouver, B.C. V6T 2Z4
Phone (604) 822-6654
Fax (604) 822-6088

APPENDIX H

GEOLOGIST'S CERTIFICATE

GEOLOGIST'S CERTIFICATE

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 31st day of December, 1997.

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

LEGEND

MINERAL ABBREVIATIONS

- GE Goethite
- HE Hematite
- MN MN-oxide
- SL Sphalerite
- GL Galena
- PY Pyrite
- Pø Pyrrhotite
- CB Carbonate
- CA Calcite
- QZ Quartz
- BI Biotite

MAP SYMBOLS

- Outcrop
- Thrust fault
- Rock sample; outcrop, float
- Trench
- Helicopter pad
- Geological contact

EARN GROUP

Devonian-Mississippian

Unit 13u Undivided

Unnamed

Unit 13 Chert, argillite, limestone, barite

Kalzas Formation

Unit 12 Fossiliferous limestone, laminated fossiliferous sandy limestone and silty shale and crinoidal quartz sandstone

Crystal Peak Formation

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

KECHIKA GROUP

Cambrian-Ordovician

Unnamed

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

093755

DWG 8

METRES

0 200 400 600 800 1000

BLACKSTONE RESOURCES INC.

DROMEDARY PROPERTY

FRANCOIS GRID

GEOLOGY & SAMPLING MAP

Date DEC. 1997	Scale 1:10,000	FIGURE	
U.T.M. Zone	Mining District Whitehorse	4	
N.T.S. 105 L/15	State/Province YUKON		

EQUITY

KING 1
KING 2
KING 3
KING 4
KING 5
KING 6
KING 7
KING 8
KING 9
KING 10
KING 11
KING 12
KING 13
KING 14
KING 15
KING 16
KING 17
KING 18
KING 19
KING 20
ACE 152
ACE 154
ACE 169
ACE 170
BASELINE 0 (288° AZ)
CLAIM BOUNDARY
CLAIM BOUNDARY
W
6971000N
UTM ZONE 8
519 000 E
UTM ZONE 8
L 5700E
L 6100E
13, 11?
13
4
DDH 81-9
DDH DGK-91-10,10A
DDH 81-10
DDH 81-8
010474
010430
Float, cherty argillite
Shaley phyllite CA porphyroblasts weak Mno
Shaley quartzite
Siliceous siltstone
Cherty argillite
010432
010473
Limy phyllite "Swiss cheese"
010472
Limy phyllite
Float, limy phyllite
WC975-305
MHS001
MHS018

LEGEND

MAP SYMBOLS

- Bedding (inclined, vertical, overturned)
- Foliation (inclined, vertical, overturned)
- Thrust fault
- Diamond drill hole (inclination)
- (F) Fossil location
- Zn / Pb / MHS018 — Zinc ppm, Lead ppm in soils; Sample number

"Includes" Geology compiled from Anaconda Canada Exploration Ltd. (Hall, 1983)

EARN GROUP

Devonian - Mississippian

Unit 13u — Undivided

Unnamed

Unit 13 — Chert, argillite, limestone, barite

Kalzas Formation

Unit 12 — Fossiliferous limestone, laminated fossiliferous sandy limestone and silty shale and crinoidal quartz sandstone

Crystal Peak Formation

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

KECHIKA GROUP

Cambrian - Ordovician

Unnamed

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

093755

Dwg (9)

0 100 200 300 400 500
METRES

BLACKSTONE RESOURCES INC.

DROMEDARY PROPERTY

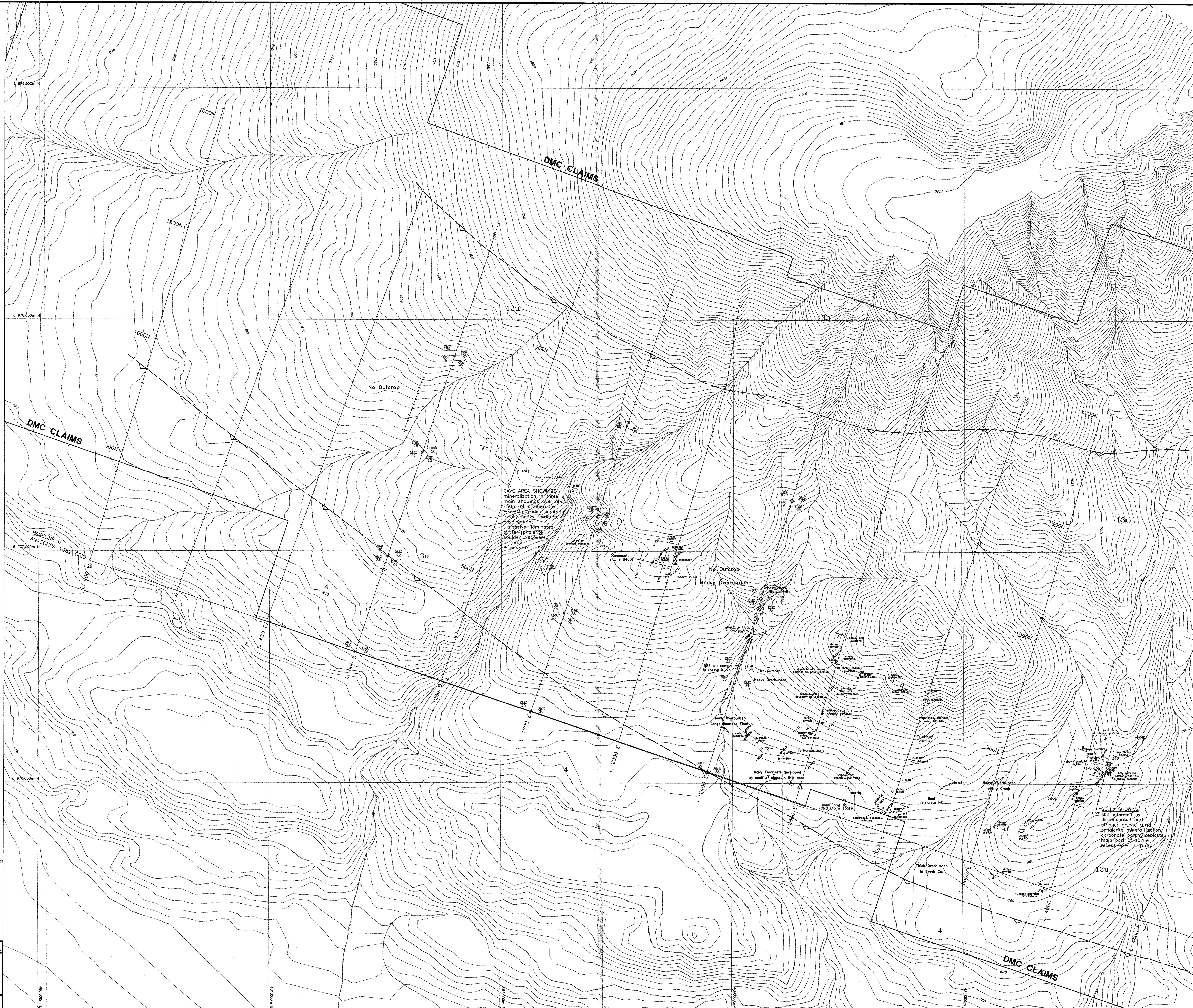
DROMEDARY CREEK AREA

KING CLAIMS

GEOLOGY & SAMPLING MAP

EQUITY

Date DEC. 1997	Scale 1:5000	FIGURE
U.T.M. Zone	Mining District Whitehorse	5
Projection 105 L/15	State/Province Yukon	



EARN GROUP

Devonian – Mississippian

Unit 13u	Undivided
	Unnamed
Unit 13	Undivided
	Kalzas Formation
Unit 12	Fossiliferous limestone, laminated fossiliferous sandy limestone and silty shale and crinoidal quartz sandstone
	Crystal Peak Formation
Unit 11	Chert pebble conglomerate, chert lithic sandstone, interbedded siltstone–shale

ROAD RIVER GROUP

Ordivician to Silurian

	Unnamed
Unit 9	Graptolitic, siliceous and graphitic shale, siltstone

KECHIKA GROUP

Cambrian – Ordivician

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

Mineral Abbreviations

GE	goethite
GL	galena
CA	calcite
CB	carbonate
HE	hematite
MN	MN oxide
SL	sphalerite
BI	biotite
Po	pyrrhotite
PY	pyrite
QZ	quartz

Rock Type

ag	argillite
lims	limestone
ph	phyllite
shl ph	shaley phyllite
qt	quartzite
cong	conglomerate
sltst	siltstone
sh	shale

Symbols

	outcrop
	thrust fault – inferred
	foliation or cleavage, vein
596758	rock sample, w/ sample number, outcrop, float
	claimpost
	fossil locality
	trench
XXXXXX	ferricrete
	helicopter landing site
	camp location
	geological contact

DWG 10

scale: 1:5000

0 50 100 150 250

metres

BLACKSTONE RESOURCES INC.

DROMEDARY PROPERTY

DMC CLAIMS - WEST SHEET GEOLOGY AND COMPILATION MAP

EQUITY	Date: December, 1997	Scale: 1:5000	Figure 6a
	U.T.M. Zone: UTM	Mining District: Mayo	
	N.T.S.: 105L/14	State/Province: Yukon Territory	

TIM ZONE MN, GE
-recessive zone of sulphides observed, strong Mn-oxide and Fe-oxides

KAL TRENCH AREA
-galena and sphalerite along foliation
-Mn and Fe oxides prevalent
-hosted in siliceous siltstone to quartzite
-zone is 1-5m wide
-CB porphyroblasts common

TOM SHOWING
-disseminated to stringer galena and sphalerite in strongly foliated phyllite over about 1m width

BASELINE 0
ANACONDA 1982 GRID

6 978,000m N
6 977,000m N
6 976,000m N
6 975,000m N

L 4600 E
L 5200 E
L 5800 E
L 6000 E
L 6400 E
L 6800 E
L 7200 E
L 7600 E

1000N
1500N
2000N
500N
0N

486,000m E
487,000m E
488,000m E
489,000m E
490,000m E

EARN GROUP

Devonian – Mississippian

Unit 13u Undivided

Unnamed

Unit 13 Undivided

Kaiza Formation

Unit 12 Fossiliferous limestone, laminated fossiliferous sandy limestone and silty shale and crinoidal quartz sandstone

Crystal Peak Formation

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

ROAD RIVER GROUP

Ordivician to Silurian

Unnamed

Unit 9 Graptolitic, siliceous and graphitic shale, siltstone

KECHIKA GROUP

Cambrian – Ordivician

Unnamed

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

Mineral Abbreviations

GE	goethite
GL	galena
CA	calcite
CB	carbonate
HEM	hematite
MN	MN oxide
SU	sphalerite
BI	biotite
Po	pyrrhotite
Py	pyrite
QZ	quartz

Rock Type

ag	argillite
lms	limestone
sh	shale
ph ph	phyllite
qt	quartzite
cong	conglomerate
sltst	siltstone
sh	shale

093755

Symbols

- outcrop
- thrust fault – inferred
- foliation-cleavage, vein
- rock sample, w/ sample number, outcrop, float
- claimpost
- fossil locality
- trench
- ferricrete
- helicopter landing site
- camp location
- geological contact

DwG (11)

scale: 1:5000
0 50 100 150 250
metres

BLACKSTONE RESOURCES INC.

DROMEDARY PROPERTY

DMC CLAIMS - EAST SHEET GEOLOGY AND COMPILATION MAP

DATE	December, 1997	SCALE	1:5000
U.T.M. Zone	UTM	Mining District	Mayo
N.T.S.	105L/14	Status/Property	Yukon Territory

FIGURE 6b

DROMEDARY