ALLIANCE MINING INC.

1996 GEOLOGICAL AND GEOPHYSICAL REPORT ON THE ASCOT PROPERTY

Located in the Smithers Area
Omineca Mining Division
British Columbia
NTS 93L/15E
54°47' North Latitude
126°43' West Longitude

Prepared for

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1996 GEOLOGICAL AND GEOPHYSICAL REPORT ON THE ASCOT PROPERTY

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1.0 INTRODUCTION

The Ascot claim group covers an Early to Middle Jurassic Hazelton Group felsic/sedimentary package near Smithers (Figure 1) thought to be prospective for volcanogenic massive sulphide deposits. The claims cover areas of highly anomalous zinc-lead-arsenic soil geochemistry and several previously reported zinc-lead-barite occurrences.

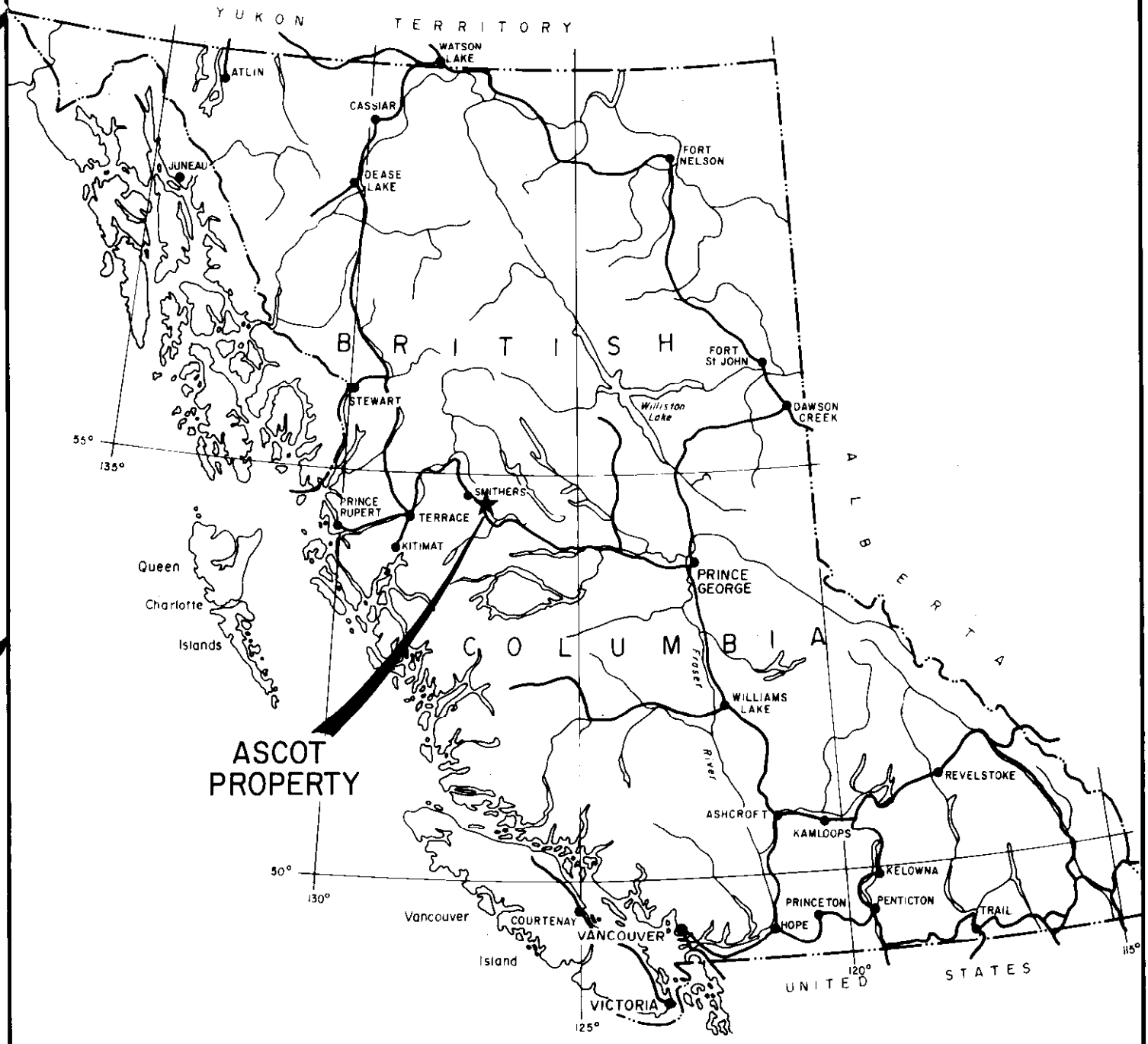
In September and October 1996, Alliance Mining Inc. conducted a program of claim staking, line cutting, geophysics, surveying, geological mapping and prospecting over the Ascot claim group. Equity Engineering Ltd. conducted the fieldwork and has been retained to report on the results.

2.0 LIST OF CLAIMS

The Ascot property consists of a contiguous package of twenty-two 2-post and five 4-post mineral claims in the Omineca Mining Division of British Columbia, as summarized in Table 2.0.1 (Figure 2). The Ascot 1-22 claims have been included into the Bow and Bolo claims, reducing the claim group to 86 units. Records of the British Columbia Ministry of Energy, Mines and Petroleum Resources indicate that all claims are owned by H.J. Awmack. Separate documents indicate that they are held under option by Alliance Mining Inc..

Table 2.0.1
CLAIM DATA

Claim Name	Mineral Tenure No.	No. of Units	Record Date	Expiry Year
Ascot 1	330819	1	Sept. 13, 1994	1997
Ascot 2	330820	1	Sept. 13, 1994	1997
Ascot 3	330821	1	Sept. 13, 1994	1997
Ascot 4	330822	1	Sept. 13, 1994	1997
Ascot 5	330823	1	Sept. 13, 1994	1997
Ascot 6	330824	1	Sept. 13, 1994	1997
Ascot 7	330825	1	Sept. 13, 1994	1997
Ascot 8	330826	1	Sept. 13, 1994	1997
Ascot 9	330827	1	Sept. 13, 1994	1997
Ascot 10	330828	1	Sept. 13, 1994	1997
Ascot 11	330829	1	Sept. 13, 1994	1997
Ascot 12	330830	1	Sept. 13, 1994	1997
Ascot 13	330831	1	Sept. 13, 1994	1997
Ascot 14	330832	1	Sept. 13, 1994	1997
Ascot 15	330833	1	Sept. 13, 1994	1997
Ascot 16	330834	1	Sept. 13, 1994	1997
Ascot 17	330835	1	Sept. 13, 1994	1997
Ascot 18	330836	1	Sept. 13, 1994	1997
Ascot 19	330837	1	Sept. 13, 1994	1997
Ascot 20	330838	1	Sept. 13, 1994	1997
Ascot 21	330839	1	Sept. 13, 1994	1997
Ascot 22	330840	1	Sept. 13, 1994	1997



Km 0 100 200 300 400 500 Km

MILES 0 50 100 200 300 MILES

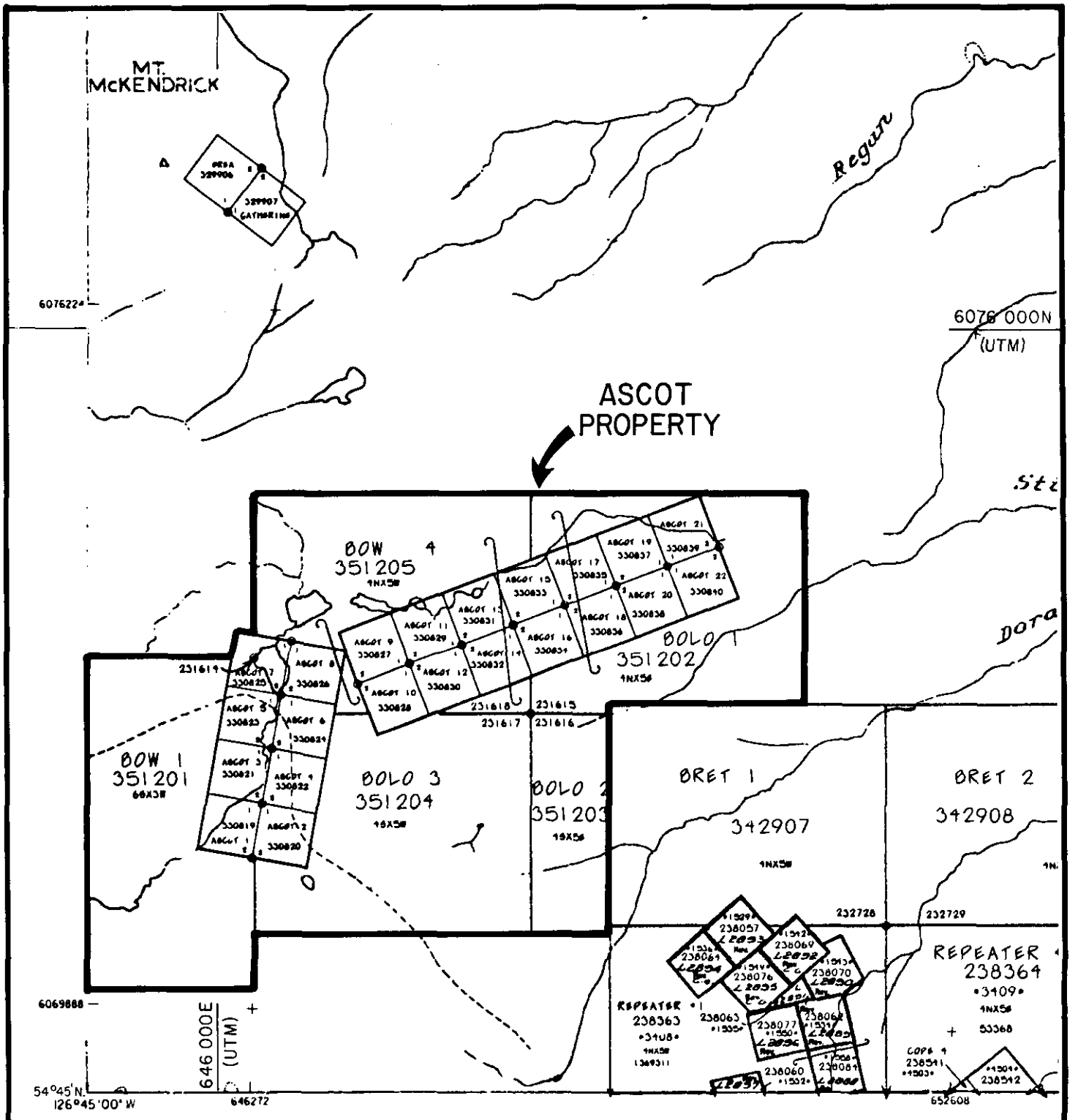
ALLIANCE MINING INC.

ASCOT PROPERTY
LOCATION MAP

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

DRAWN: H.A./J.W.	MINING DIV. OMINECA	FIGURE
N.T.S.: 93L/15E	SCALE: AS SHOWN	1
DATE: MARCH 1997	REVISED:	



ALLIANCE MINING INC.

ASCOT PROPERTY
CLAIM MAP
BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

DRAWN: J.W./H.A.	MINING DIV.: OMINECA	FIGURE 2
N.T.S.: 93L/15E.	SCALE: 1:50000	
DATE: MARCH 1997	REVISED:	

Table 2.0.1
CLAIM DATA (Continued)

Claim Name	Mineral Tenure No.	No. of Units	Record Date	Expiry Year
Bow 1	351201	18	Sept. 29, 1996	2003*
Bolo 1	351202	20	Oct. 1, 1996	2002*
Bolo 2	351203	8	Oct. 1, 1996	2003*
Bolo 3	351204	20	Oct. 1, 1996	2003*
Bolo 4	351205	20	Oct. 1, 1996	2002*
	TOTAL	**108**		

*Subject to approval of assessment work covered by this report.

3.0 LOCATION, ACCESS AND GEOGRAPHY

The Ascot property lies in the Babine Mountains, approximately 30 kilometres east of Smithers, British Columbia, centred at 54° 47' north latitude and 126° 43' west longitude. The claims cover a chain of subalpine meadows and lakes at the divide between Canyon Creek (which flows westerly) and Byron and Stimson Creeks (which flow easterly). Topography is fairly gentle, with elevations ranging from 1220 to 1606 metres on a hilltop on the Bolo 3 claim.

Access to the claims is via eight kilometres of the Dome-Babine Road, an unmaintained dirt road which leaves the all-weather Babine Lakes Road near kilometre 21. The drive from Smithers to the Ascot claims takes approximately one hour with a four-wheel drive vehicle and would be passable from June to late September. In winter, this road and the chain of lakes on the Ascot claims are used for snowmobile recreation. The Dome-Babine Road continues southeasterly across the Ascot 4-6 and Bolo 3 claims. A cat road, used for Texas Gulf's 1969 drilling and Geostar's 1987 backhoe trenching, extends 1500 metres easterly from the chain of lakes through the Ascot 15-22 claims. Helicopter service is available from several bases in Smithers, about ten minutes away. Smithers, with daily jet service to Vancouver, lies on the Yellowhead Highway and the Canadian National rail line, approximately 300 kilometres from deep water port facilities in Prince Rupert.

Vegetation on the property consists of stunted balsam fir, pine and spruce, with no commercial timber values. Grassy meadows and swamps flank the chain of lakes which divide Canyon Creek from Byron Creek. Tree-line lies at approximately 1550 metres. The Ascot property is subject to a continental climatic regime, with warm summers and cold winters. Snowfall is moderate with an accumulation of one to two metres during the winter. Fieldwork is best carried out from May through October; while geophysics and drilling could be performed year-round.

4.0 REGIONAL AND PROPERTY EXPLORATION HISTORY

The earliest mineral exploration in the vicinity of the Ascot claims was targeted at gold-bearing quartz-carbonate-sulphide veins on Dome Mountain, five kilometres to the southeast. Trenching, underground exploration and limited mining on Dome Mountain has been carried out intermittently from 1914 to the present (MacIntyre, 1985). At least eight steeply-dipping quartz-carbonate veins are known and native gold is associated with abundant sphalerite, galena, pyrite and arsenopyrite. These veins both parallel and cross-cut foliation and some have been folded and brecciated; MacIntyre et al (1987a) believes they have been emplaced during the early stages of folding. Current in-situ reserves for the Boulder and Argillite Veins total 221,330 tonnes grading 14.9 g/tonne gold (Habsburg News Release, April 6/94).

In 1911, a 90 centimetre wide, steeply dipping, quartz-pyrite-sphalerite-arsenopyrite-chalcopyrite-galena vein (the Pioneer Vein) was discovered on the southern slopes of Mount McKendrick, approximately four kilometres northwest of the Ascot claims. By 1934, the Pioneer Vein had been traced over 600 metres by pits and at least two short adits (Holland, 1986).

Lead-zinc-barite showings were first staked on Canyon Creek in 1951, on the current Ascot 1 claim, but no work was recorded. Following up anomalous silt sample results from a reconnaissance exploration program in 1967 and 1968, Texas Gulf Sulphur Company staked their 160 claim Ascot Group over the headwaters of Canyon Creek, Byron Creek and Stimson Creek. In 1968, Texas Gulf carried out property-wide geological mapping at a scale of 1:12,000 (Peatfield and Loudon, 1968), a reconnaissance ground electromagnetic survey (Watson and Loudon, 1968) and analyzed 368 soil samples for cold-extractable zinc (McLeod and Loudon, 1968). Peatfield and Loudon (1968) mapped several mineral occurrences, including: five zinc-lead and barite occurrences within impure limestones along Canyon Creek; a small massive pyrite lens at the contact between rhyolite and graphitic argillite in Canyon Creek; and copper showings within rhyolite on Byron Creek and south of Canyon Creek.

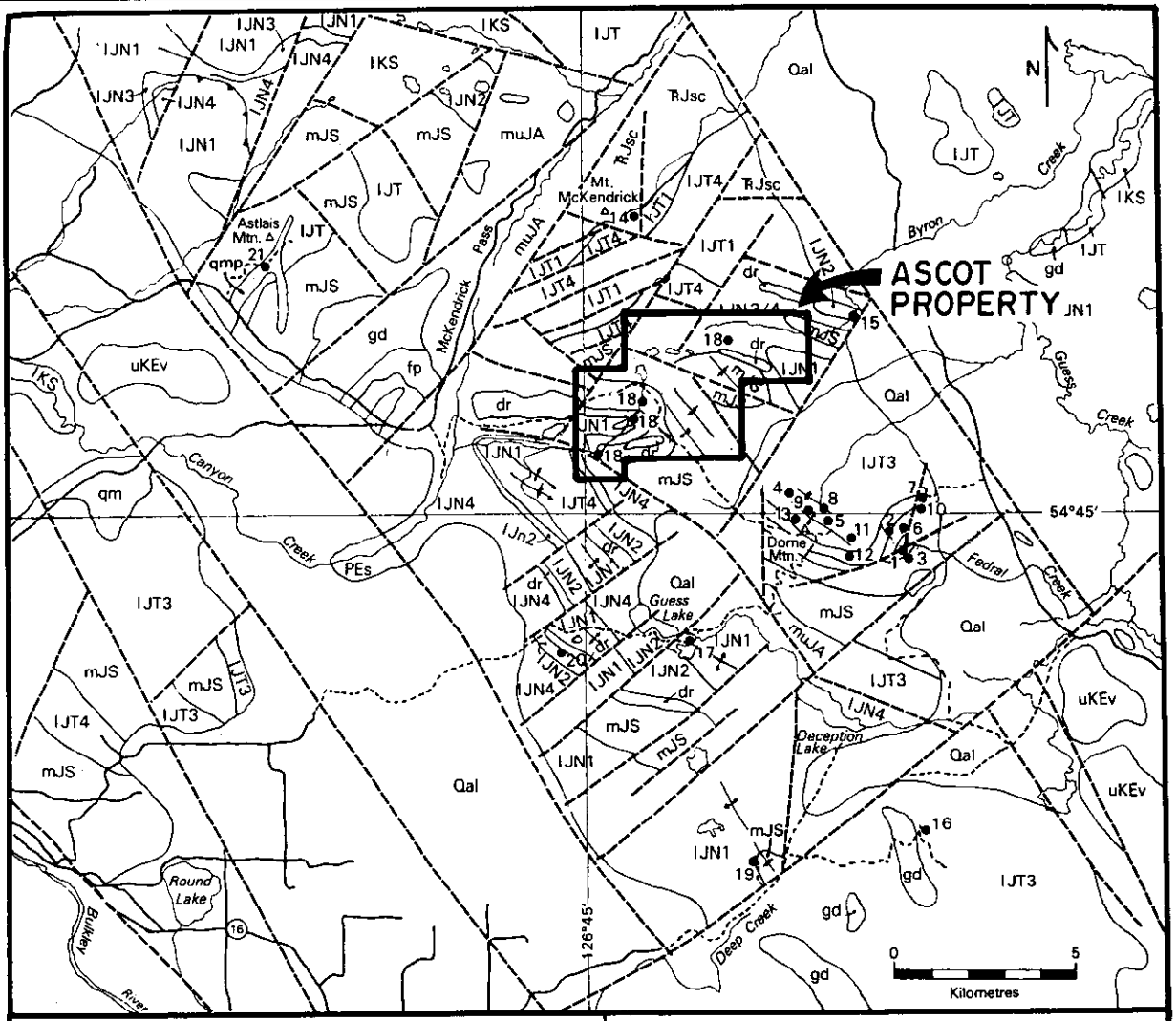
In June 1969, Texas Gulf flew an electromagnetic-magnetic airborne survey over 39 square kilometres of their Ascot Group (Crosby and Hillman, 1969). Selected airborne anomalies were ground-truthed in July and August of that year, using McPhar IREM and Crone JEM electromagnetic survey equipment and a fluxgate magnetometer. The ground geophysical grid, which totalled 43 line-kilometres, was soil sampled at 61 metre (200') intervals on lines 122 metres (400') apart. Soil samples were analyzed for total copper and cold-extractable zinc (Schmidt, 1969). Three diamond drill sites were selected on the basis of the ground geophysical surveys, in areas of limited mapping and no known mineralization. Texas Gulf did not report any results for these short holes, but Barry Price (1978a) re-logged and re-sampled hole DDH-1, which was drilled on the current Ascot 17 claim. Price reported that the top 14.6 metres of this hole assayed 0.67% zinc and 0.12% lead within altered dacitic tuff. Drill holes DDH-2 and DDH-3 were cored through a diorite/argillite contact, apparently without intersecting significant mineralization.

Texas Gulf allowed their claims to lapse in 1977. The main showings were staked and re-staked several times over the next decade, with several small mapping, prospecting and geophysical programs carried out. Price (1978a) completed a detailed geological mapping and magnetometer survey in the area around Texas Gulf's drill hole DDH-1. He reported three horizons of low-grade stratiform zinc-lead mineralization in the vicinity of hole DDH-1. Price (1978b) also prospected in the vicinity of Texas Gulf's zinc, lead and barite showings in Canyon Creek. He discovered several new showings and identified a felsic breccia with pyrite and sphalerite in the matrix. Three packsack holes, totalling 7.0 metres, were drilled on one limestone-hosted sphalerite occurrence in Canyon Creek. The best drill sample assayed 1.6% zinc over 3.5 metres. Two more prospecting days in 1981 were also directed at the Canyon Creek zinc-lead-barite showings (Price, 1981).

In 1984, the main Texas Gulf showings were acquired by Geostar Mining Corporation. Limited magnetometer and VLF-EM surveying were carried out in October 1984 on reconnaissance lines in areas of known mineralization (Price, 1984). The following year, Geostar collected 172 soil samples from two small grids near the headwaters of Byron Creek, north and east of Texas Gulf's hole DDH-1. One of the grids was also covered by a reconnaissance VLF-EM survey (Christopher, 1986).

In 1985, Noranda Exploration Company staked the Byron 1 and 2 claims, north and east of Geostar's claims at the east end of Texas Gulf's former Ascot claim group. Noranda took 313 soil samples at 50 metre intervals on lines 500 metres apart, analyzing them for Au, Ag, Cu, Pb, Zn and As. Anomalous zinc, lead and arsenic samples were clustered on the west edge of their Byron 2 claim, approximately 700 metres east of Texas Gulf's hole DDH-1. Noranda also carried out reconnaissance mapping and took 28 silt samples (Myers and Seel, 1985).

The following year, Canadian United Minerals Ltd. acquired the Byron 1 and 2 claims and the Tony, Harold and Emily claims, which lie further northwest over the Pioneer Vein. Canadian United established a



LEGEND

QUATERNARY
- Qal — alluvium

PALEOCENE TO EOCENE
- PEs — mudstone, siltstone

LATE CRETACEOUS TO TERTIARY
- uKEv — andesitic volcanic rocks

EARLY CRETACEOUS – SKEENA GROUP
- IKS — RED ROSE FORMATION: micaceous wacke, siltstone, conglomerate, mudstone

LATE JURASSIC
- BOWSER LAKE GROUP
- muJA — ASHMAN FORMATION: argillite, shaly siltstone, quartzose turbidites

EARLY TO MIDDLE JURASSIC
- HAZELTON GROUP
- mJS — SMITHERS FORMATION: tuffaceous wacke, siltstone, conglomerate
- IJN4 — NILKITKWA FORMATION: thin bedded argillite, chert and limestone
- IJN3 — tuffaceous conglomerate, siltstone, cherty tuff
- IJN2 — rhyolitic volcanic rocks
- IJN1 — red epiclastics, amygdaloidal flows, foliated lapilli tuff
- IJT4 — TELKWA FORMATION: phyllitic maroon tuff
- IJT3 — fragmental volcanic rocks
- IJT2 — porphyritic andesite
- IJT1 — polymictic conglomerate, epiclastic rocks

TRIASSIC TO LOWER JURASSIC
- RJsc — greenstone – sill complex

INTRUSIVE ROCKS
- dr — diorite
- gd — granodiorite
- qmp — quartz monzonite porphyry
- fp — feldspar porphyry
- qp — quartz porphyry

MINERAL OCCURRENCES

	Type	Occurrence Name	Commodity
1	Qz Vein	Dome Mtn. – Forks	Au, Ag, Zn, Pb, Cu, (As, Sb)
2	Qz Vein	Dome Mtn. – Cabin	Au, Ag, Zn, Pb, Cu, (As, Sb)
3	Qz Vein	Dome Mtn. – 9800	Au, Ag, Zn, Pb, Cu, (As, Sb)
4	Qz Vein	Dome Mtn. – Ptarmigan	Au, Ag, As, Zn, Pb, Cu
5	Qz Vein	Dome Mtn. – Hawk	Au, Ag, As, Zn, Pb, Cu
6	Qz Vein	Dome Mtn. – Boulder	Au, Ag, Zn, Pb, Cu
7	Qz Vein	Dome Mtn. – Free Gold	Au, Ag, Zn, Pb, Cu
8	Qz Vein	Dome Mtn. – Eagle	Au, Ag, Zn, Pb, Cu
9	Qz Vein	Dome Mtn. – Gem	Au, Ag, Zn, Cu, Pb
10	Qz Vein	Dome Mtn. – Chance	Au, Ag, Cu, Zn, Pb
11	Qz Vein	Dome Mtn. – Hoopes	Au, Ag, Cu, Pb, Zn
12	Qz Vein	Dome Mtn. – Jane	Au, Ag, Cu, (Zn, Pb, Ba)
13	Qz Vein	Dome Mtn. – Raven	Au, Ag, Cu
14	Qz Vein	Mt. McKendrick	Au, Ag, Pb, Zn, Cu, (As, Sb)
15	Cu Vein	Tina	Cu, Ag
16	Cu Vein	Brenda, Tony	Cu, Ag
17	Cu Vein	Camp Lake	Cu, Ag
18	Massive	Ascot	Zn, Pb, Ba
19	Massive	Del Santo	Cu, Zn, Ag
20	Porph	Burbridge Lake	Cu, Mo
21	Porph	Big Onion	Cu, Mo

(After MacIntyre et al, 1987a)

0 2 4 8 12
KILOMETRES

ALLIANCE MINING INC.

ASCOT PROPERTY
REGIONAL GEOLOGY

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

DRAWN: J.W. / H.A.	MINING DIV.: OMINECA	FIGURE
N.T.S.: 93 L/15E.	SCALE: 1:200,000	3
DATE: MARCH 1997	REVISED:	

cut baseline of 8200 metres (100E), trending 320°, with perpendicular crosslines at 250 metre intervals. They collected 1449 soil samples for Ag, Cu, Pb, Zn and As analysis; maximum values were 4209 ppm Zn, 566 ppm As, 1188 ppm Cu and 290 ppm Pb. Noranda's Byron 2 anomaly was verified, with most of the strongly anomalous samples collected between this anomaly and Texas Gulf's hole DDH-1 (Holland, 1986).

In 1987, Geostar carried out a comprehensive exploration program on their Ascot property, consisting of mapping, soil geochemistry, VLF-EM surveying and backhoe trenching. They extended Canadian United's 1986 grid to the southwest, using the same numbering system and line orientation. Baselines were cut 1000 metres apart; crosslines were flagged 100 metres apart, running from baseline to baseline. A total of 5473 soil samples were collected at 25 metre intervals along the grid lines and analyzed for Ag, Cu, Pb, Zn and As. VLF-EM surveying was carried out over 137 line-kilometres of the grid. Fifteen backhoe trenches were excavated in geochemically anomalous areas, revealing several new zinc-lead occurrences (Helgason, 1988).

Canadian United and Teeshin Resources Ltd. acquired the Ascot property from Geostar in 1989. Geological mapping was concentrated on Ascot Creek, one of the tributaries of Canyon Creek, where a zinc-lead mineralized horizon was traced for 250 metres. A further 377 soil samples were taken to the southeast of existing coverage, without revealing new anomalies (Holland, 1989). No further work had been reported and all claims were subsequently allowed to lapse.

The Ascot 1-22 claims were staked in September, 1994, along with a brief examination of road and trench exposures from Geostar's 1987 exploration program. Ten samples were taken from mineralized float and outcrop for analysis and limited thin and polished thin section analysis (Awmack, 1995).

5.0 1996 EXPLORATION PROGRAM

The two stage 1996 program was conducted from September 23 to October 16. The first stage of the program involved staking of 98 units to acquire ground surrounding the Ascot 1-22 mineral claims (Figure 2). The second stage involved establishing a grid which provided access as well as providing topographic control for both the geophysical surveys and geological mapping.

A grid was established by cutting a 1300 metre baseline at an azimuth of 320° with cross lines cut at 200 metre intervals. Magnetic compass declination used for the program was provided by a federal government service in Ottawa and was given as 23° 51' east of true north. A total of 15.3 line kilometres were cut, hard chained, slope corrected and picketed with stations established at twenty-five metre intervals. Intermediate lines were established with compass, clinometer and hip chain. These lines, which total 14.0 line kilometres, were flagged, blazed and slope corrected with stations established at twenty-five metre intervals and identified with orange and blue flagging as well as tyvek tags. Both the cut and the hip-chained/flagged lines extend 1000 metres on either side of the baseline. Line cutting was completed by Twin Mountain Enterprises of Whitehorse, Yukon.

A land survey was conducted by A.D.W. Engineering Ltd. of Smithers, B.C. in conjunction with the gravity geophysical survey, in order to accurately establish the location of the gravity stations. The gravity survey required an elevation accuracy in the order of centimetres to enable the gravity data to be meaningfull. The land survey started on the northwest end of the grid and surveyed the northern section of the baseline and cut lines 10000N, 9800N, 9600N and portions of lines 9400N and 9200N. The survey, which was partially completed, had to be curtailed due to heavy snow.

The entire grid was ground surveyed by magnetic and VLF-EM electromagnetic surveys with gravity surveying being completed on cut lines 9200N to 10000N. The geophysical survey was conducted by SJ Geophysics Ltd., of Delta, B.C. A brief summary of the program is included in Section 8.0 and a complete geophysical report is included in Appendix D.

The 1996 program included seven mandays of geological mapping and five mandays of prospecting which focused on the 1996 grid area. Geological mapping was conducted over the grid at a scale of 1:2000. The results of the mapping were reduced to a scale of 1:5000 to be compatible with the geophysical data and to facilitate interpretation of results. A total of 19 rock samples from outcrop and float material were sampled and submitted to Chemex Labs in North Vancouver, B.C. for 32 element ICP, barium by XRF, and geochemical gold analyses. Rock sample descriptions are included in Appendix C and the certificates of analyses are included in Appendix E.

6.0 REGIONAL GEOLOGY

The Geological Survey of Canada mapped the Smithers area at a scale of 1:253,440 in the early 1970's (Tipper, 1976). More detailed mapping was carried out by MacIntyre et al (1987a, 1987b and 1989) in the Babine Range around the Ascot property (Figure 3). This area lies within the Stikine terrane, which includes: submarine calc-alkaline to alkaline island arc volcanics of the Late Triassic Takla Group; subaerial to submarine calc-alkaline island arc volcanics and sediments of the Early to Middle Jurassic Hazelton Group; successor basin sediments of the Late Jurassic and Early Cretaceous Bowser Lake, Skeena and Sustut Groups; and Late Cretaceous to Tertiary calc-alkaline continental volcanics of the Kasalka, Ootsa Lake and Goosly Lake Groups.

Most of the Babine Range is underlain by Hazelton Group strata, with Takla Group greenstones exposed only on the northern slopes of Mount McKendrick (Figure 3). The Hazelton Group has been divided into three formations in the Smithers area: Telkwa, Nilkitkwa and Smithers. The Telkwa Formation, which is comprised of subaerial and submarine pyroclastics and flows with lesser intercalated sediments, is the thickest and most extensive formation. Four Telkwa Formation map-units were recognized by MacIntyre et al (1987a): a basal, polymictic conglomerate (**Unit lJT1**); porphyritic andesite fragmentals and rare flows (**Unit lJT2**); lahars, tuff-breccias and lapilli tuffs with lesser lithic, crystal and ash tuffs and epiclastics (**Unit lJT3**); and fine-grained, phyllitic, red to maroon tuffs or epiclastics (**Unit lJT4**).

The Nilkitkwa Formation conformably to disconformably overlies the Telkwa Formation. West of the Babine Range, it comprises mainly red epiclastics; to the east, it includes Early Pliensbachian to mid-Toarcian marine sedimentary rocks overlying rhyolite and basalt flows and red epiclastics. MacIntyre et al (1987a) divided the Nilkitkwa Formation into four map-units. Well-bedded red epiclastics and green to maroon amygdaloidal flows and welded tuffs (**Unit lJN1**) overlie Telkwa Formation phyllitic maroon tuffs on Dome Mountain. Cream- to grey-weathering, quartz-feldspar-phyric ash flow, spherulitic rhyolite and siliceous lapilli tuff (**Unit lJN2**) overlie the red epiclastic/amygdaloidal flow unit. A thick section of massive rhyolite outcrops in lower Byron Creek east of the Ascot property. "At Dome Mountain a mottled cherty tuff occurs at the same stratigraphic position as the rhyolitic volcanic rocks and may be their distal equivalent" (MacIntyre et al, 1987a). A thin unit of brown- to buff-weathering conglomerate, with intercalated beds of volcanic wacke and siltstone (**Unit lJN3**), overlies the red epiclastic/amygdaloidal flow. These sediments typically contain angular felsic clasts in a silty matrix. Pliensbachian pelecypods were noted by MacIntyre et al (1987a) within this unit at Dome Mountain. Recessive, thin-bedded, rusty-weathering silty argillite with minor dark chert and argillaceous limestone (**Unit lJN4**), overlies the Nilkitkwa volcanics. Slaty cleavage, tight small-scale folds and disseminated and laminated pyrite are typical of Unit lJN4 where fossils are generally absent.

Shallow marine sediments of the Bajocian Smithers Formation (**Unit mJS**) disconformably overlie the Nilkitkwa Formation in the Babine Range. They include fossiliferous sandstone and siltstone, with lesser intercalated felsic tuff. On Dome Mountain, the 500 metre thick Smithers Formation section consists of thick-bedded siltstone, overlain by argillaceous limestone, limy siltstone and wacke, and overlain in turn by poorly-bedded light green crystal tuff.

The Ashman Formation (**Unit muJA**) is part of a continuous fining-upward sequence, deposited when the shallow marine environment of the Smithers Formation became gradually deeper. The contact between the two is conformable, defined largely by Callovian fossil age rather than lithology. The Ashman Formation, composed mainly of well-bedded, fine-grained dark grey siltstone and black shale, has been included within both the Hazelton Group (MacIntyre et al, 1989) and the Bowser Lake Group (Tipper and Richards, 1976; MacIntyre et al, 1987a).

Several dykes or sills of fine- to medium-grained diorite or diabase (**Unit dr**) cut Nilkitkwa, Smithers and possibly Ashman Formation strata in the Babine Range. Multiphase granitic intrusives (**Units gd, qmp, fp and qp**), variously dated at 117, 75 and 48 million years (MacIntyre et al, 1987a), intrude Hazelton Group strata between Astlais Mountain and Canyon Creek, northwest of the Ascot property, and are associated with the Big Onion copper porphyry deposit.

7.0 PROPERTY GEOLOGY AND MINERALIZATION

7.1 Property Geology

Outcrop information from previous mapping by Peatfield and Loudon (1968), Price (1978a) and Helgeson (1988) was utilized for the current mapping. The 14 rock units differentiated by Peatfield and Loudon were used as a base for the current mapping. Table 7.1.1 summarizes the characteristics of the rock units, largely based on Peatfield and Loudon's (1968) descriptions. Rock units which were encountered during the course of the 1996 mapping are highlighted with an asterisk and are described based on current mapping.

TABLE 7.1.1
LITHOLOGIES

14* **Hornblende diorite:** light to medium green-grey to dark green-grey, fine-grained, equigranular, strongly magnetic.

13 **Feldspar porphyry:** weakly porphyritic phase of diorite. Pale buff to pinkish.

12* **Andesite lapilli tuff:** drab, light to dark green-grey angular lapilli fragments in light green-grey to dark green-grey matrix. Commonly fragments and matrix are homogeneous in colour. Thin, discontinuous beds of amygdaloidal volcanics and ash tuff are common.

11 **Grey volcanic conglomerate:** poorly sorted aggregate of sub-rounded pebbles of all other rock types. The matrix is typically calcareous; the unit contains thin beds of tuffaceous or silty limestone.

10* **Felsic volcanic breccia:** white to light grey, angular to irregular shaped fragments up to 5 cm, set in a light grey to black fine-grained matrix. "Fragments are dacitic or rhyolitic with quartz eyes and veinlets" (Price, 1978b). When fragments are set in a black matrix they appear to have corroded boundaries.

9 **Greywacke and arkose:** light grey, clean, and well-sorted, with abundant quartz.

8* **Impure greywacke:** poorly sorted sediments, commonly calcareous or argillaceous, composed mainly of angular quartz, feldspar and volcanic grains. Colours vary from light grey through light brown, with some green and purple hues as rocks become more tuffaceous.

7 **Graphitic argillite:** very fine-grained, intensely deformed, commonly pyritic.

6* **Argillaceous sediments:** black, fissile argillite, limy argillite and argillaceous greywacke. Generally fine-bedded, schistose and highly pyritic.

5* **Limestone:** pure white, massive, bedded.

4* **Impure limestone:** grey to green, thin argillaceous, tuffaceous or sandy limestone beds within the greywacke and argillite sequences, grading vertically and laterally into argillite and wacke. Shows marked flowage and thickening on the crests of folds. Galena, sphalerite and barite noted along bedding planes and foliations.

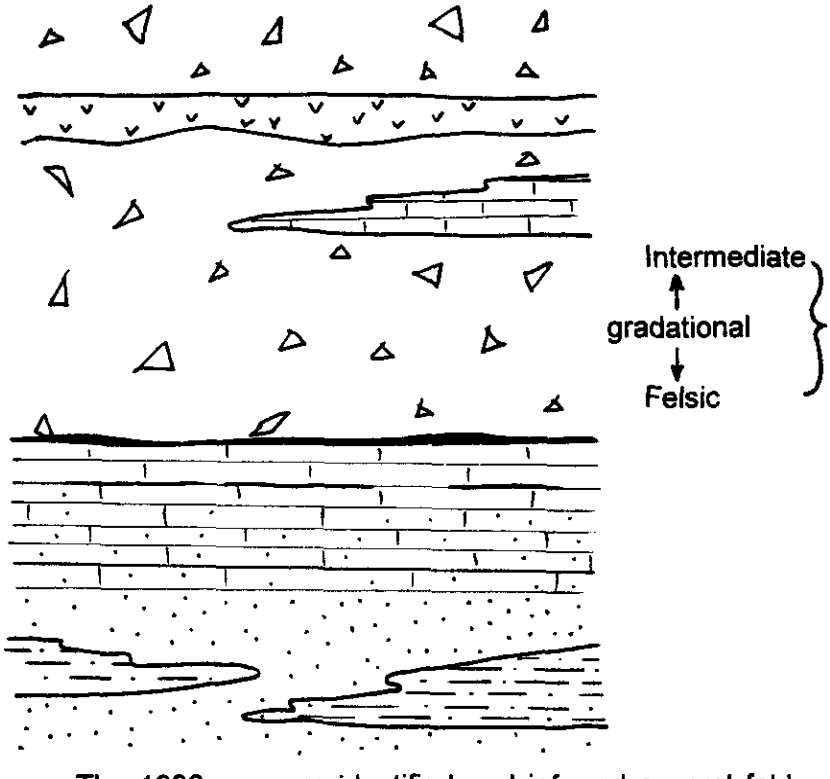
3 **Rhyolite and dacite:** buff to pink, mainly fine-grained to aphanitic, but with local glassy shards and rare quartz-eyes. Both tuffaceous and flow textures were recognized by Peatfield and Loudon

(1968). Rhyolitic tuffs are predominantly schistose; local quartz-sericite schists are developed. Pyrite and quartz-siderite veins are common.

2 **Purple andesite:** flows are fine-grained to aphanitic. Tuffs are almost invariably schistose, consisting of <3mm hematite-stained lithic fragments. Calcite is common on planes of schistosity.

1 ***Grey-green andesite:*** *flows are massive, dark green and medium-grained, with abundant epidote, chlorite and local calcite amygdules. Crystal tuffs and fine-grained volcanic conglomerates are widespread.*

It was found during the limited mapping in 1996 that there is some difficulty in determining the sedimentary stratigraphic sequence of argillites, wackes and limestones due to gradational contacts between these units and lateral facies changes. No single bed within the basal sedimentary package was identified as a distinct marker horizon to facilitate correlation of the units within this sedimentary sequence and numerous folds have further complicated interpretation. The current mapping divided the stratigraphy into larger units to assist in interpretation of the structure and stratigraphy. The division of the units involved separating the predominantly sedimentary clastic/pelitic and carbonate units from the overlying volcanic fragmental/volcanic series. The base of the volcanic package is identified by a felsic fragmental with a dark grey to black matrix which commonly overlies a fine-grained to thinly laminated limestone. The felsic fragmental appears to be thin and may be absent in areas, being substituted by the intermediate andesite lapilli tuff. The fragmental unit grades from dacitic and rhyolitic fragments hosted in a dark grey-black matrix near the base of the unit to intermediate (andesitic?) fragments in an andesitic matrix towards the top of the unit. The andesitic fragmental unit hosts discontinuous beds of fine-grained, creamy white limestone with minor andesitic fragments. Thin amygdaloidal andesitic flows were also observed within the andesitic fragmental unit. A sketch of the local stratigraphy is illustrated below.



The 1996 program identified and inferred several folds, with folding styles apparently close to tight with fold axes oriented southeast to east and and variably plunging. An outcrop in Canyon Creek, located at grid location 9630N and 7485E, appears to be proximal to an anticlinal fold axis. The outcrop displays parasitic folds with a fold axis trend of 142° and plunging 15° as an orientation of the main fold. The outcrop displays numerous small scale faults and deformation associated with varying mechanical deformation of the different lithologies and suggests structural thickening of the beds in the nose of the fold. Other structural measurements taken downstream on Canyon Creek indicate an east - west trend

of the fold axes which are inconsistent with the regional trend. The folds in this area may be warped due to subsequent folding and/or are complicated by faulting.

7.2 Mineralization

The known mineralization on the property has been summarized in a report by Awmack (1995) and the reader is referred to this report for mineralizing styles and showing locations. New showings discovered during the course of prospecting and geological mapping are predominantly located along Canyon Creek. Results of the current sampling and significant results are listed in Table 7.2.1.

A small exposure of limestone in the east creek bank of Canyon Creek at grid location 9565N and 7422E displays minor crenulations and hosts 3% pyrite, 2% sphalerite and 2% galena (sample 316601). Calcite veining is associated with the mineralization and the mineralization is thought to be remobilized into the nose of the fold along the fold limbs.

A large outcrop on the northwest bank immediately downstream from the large waterfalls displayed coatings of hydrozincite and smithsonite over a sample interval of 6 to 7 metres (sample 316602). Trace pyrite, sphalerite and galena were observed throughout the gritty limestone/wacke outcrop, which appears to straddle an anticlinal fold axis of a tight fold. A limestone float block hosting honey coloured sphalerite was sampled (230791) immediately downstream on the south side of the creek and returned 8600 ppm zinc, 1625 ppm lead and anomalously high barium, cadmium and silver values.

Samples 316603 and 316604, located on the south side of Canyon Creek, are hosted in argillaceous limestone and limestone, respectively, and are located at the top of the sedimentary sequence near the fold axis of an east-west trending anticline. On the opposite side of the creek, sample 230793 was taken from a rhyolite breccia which appeared to have trace amounts of sphalerite and up to 1% galena. This sample assayed 11.1% zinc and 1.3% lead. This unit is quite distinct as the felsic fragments appear to be rimmed with a black rind which may be a reaction rim. The black matrix is suspect as the host of the zinc mineralization and is likely very fine grained and difficult to recognize in hand specimen. Although the unit was sampled as float, it was recognized in mapping along the steep hillside on the north side of Canyon Creek. Sample 230794 tested the breccia unit west of the baseline. This location is likely higher in the stratigraphy than sample 230793 and is not as well mineralized with trace pyrite and 1% sphalerite reported in hand specimen. A third sample, 230795, was also taken in the breccia and is again stratigraphically above sample 230793.

TABLE 7.2.1
SIGNIFICANT ROCK SAMPLING RESULTS

SAMPLE NUMBER	TYPE	Ag (ppm)	Ba (%)	Cd (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
230788	float	13.0	2.7	>100.0	9	1.67%	7.6%
230789	float	9.8	4.1	>100.0	36	4780	6.77%
230790	grab	3.0	1.3	14.5	19	804	3530
230791	float	4.8	1.8	31.5	7	1625	8600
230793	float	15.8	0.9	>100.0	180	1.3%	11.10%
230794	float	0.2	0.2	71.5	25	58	1.65%
230795	float	1.0	0.4	43.5	40	52	9670
230798	select	2.2	<0.1	5.5	153	3.28%	116
316601	grab	<0.2	1.5	86.0	47	4230	2.23%
316602	grab	2.2	2.0	51.5	8	384	7940
316603	grab	1.2	1.1	7.0	22	84	1655
316604	grab	<0.2	1.2	15.0	6	44	3730

Trench AT 87-15 was re-sampled and the results are shown in Table 7.2.1. Samples 230788 and 230789 sampled the gritty and tuffaceous limestone float which was excavated from the trench while 230790 sampled the bedrock in the trench. The sample results show that high cadmium values are associated with high zinc values. During a property visit by B. Price, P. Wojdak and the author, a green-yellow mineral in rocks excavated from trench AT 87-14 was suggested as being greenockite, (CdS) and may be a visual aid for prospecting or grade estimation. The high cadmium values support the mineral determination.

Prospecting south of Ascot Lake discovered 5-7% galena, trace pyrite and chalcopyrite hosted in wacke. The showing was selectively sampled (sample 230798) returning 3.28% lead. The wacke is proximal to a large diorite body which hosts minor galena and chalcopyrite and the mineralization in the wacke may be related to the diorite intrusive.

During the mapping and prospecting other samples were taken which also returned significant metal values, but are not included in Table 7.2.1 since the sampling was of known showings reported in previous reports. Sample 316606 and 316607 are from the same localities as occurrences 4 and 3, respectively. These occurrences correspond with the locations given by Awmack (1995).

8.0 GEOPHYSICS

Magnetic, very low frequency electromagnetic (VLF-EM) and gravity surveys were conducted on the Ascot claim block by SJ Geophysics. Details of the field work, instrumentation, data presentation, interpretation, conclusions and recommendations are detailed in a report by Zoran Dujakovic and E.Trent Pezzot in Appendix D.

8.1 Magnetics

The ground magnetics survey showed a magnetic relief of approximately 5000 nT. Three narrow sub-parallel dykes are responsible for the 5000 nT relief. The eastern part of the survey grid has a very uniform susceptibility. A slight depression in the magnetic relief appears to parallel an anticlinal fold axis immediately north of Line 9400N and east of baseline 7000E. A series of magnetic lows also appear to follow the trace of Bolo Creek which also parallels an interpreted fold axis. Although the magnetic relief is minimal and may be coincidental, it may be of future use as geological knowledge of the area is expanded.

8.2 VLF-EM

Three significant anomalies discussed by Dujakovic and Pezzot (1997) were identified as A, B and C. The source suggested for all three anomalies were either conductive fault, massive sulphide or both. No geological evidence is available to explain conductor A, but the strike of the conductor roughly parallels the local fold axis direction to the immediate north.

Conductors B and C are suggested to be the same conductor separated by some structure in the vicinity of line 9500N. A diorite dyke of unknown width, but likely less than 25 metres width, was located along Canyon Creek along the strike of the VLF-EM conductor. The dyke may be occupying a fault zone or the contact of the dyke may have been faulted, producing a conductive layer which may be responsible for conductors B and C.

Other anomalies on the grid are shown as medium and poor conductors and are attributed to resistive contacts or weakly conductive faults and some are associated with magnetic dykes. Mapping has confirmed the association of some of the conductors with faults and magnetic dykes.

It should be noted that numerous conductors appear to be truncated along a line striking roughly due north and extending from the baseline at 9350N to line 9800N, 7850E. Dujakovic and Pezzot (1997)

noted a disruption in the VLF-EM conductors, identified as B and C, which also occurs along this line which is suspect as a fault.

8.3 Gravity

The information gathered from the gravity survey was partially interpreted since gravity station coordinates, from the land survey, were incomplete at the close of the program due to snow. Proper gravity interpretation will only be possible upon completion of the land survey.

9.0 CONCLUSIONS AND RECOMMENDATIONS

The 1996 program on the Ascot Property was directed at acquiring and utilizing geophysical data in conjunction with current geological mapping in an attempt to delineate areas on the Ascot property with potential for hosting massive sulphides. Mineralization previously discovered on the property are from a number of varying styles of mineralization, some of which may have been remobilized. The primary target of the current program is the massive sulphides which have been documented on the property. It is believed that folding of the stratigraphy on the property may be responsible for the accumulation, or podding, of sulphides in the noses of the folds.

A single horizon has been identified as being the most prospective for hosting massive sulphide mineralization. This horizon appears to be at the contact of the sediment package with the overlying volcanic package, more specifically, the felsic fragmental unit. It appears that a mineralizing event, or exhalative event, may have occurred near the final stages of the sedimentary cycle, immediately prior to the onset of volcanism. The onset of felsic volcanism is evidenced by the rhyolite to dacite breccia observed immediately above the sediment package, followed by a thicker pile of intermediate volcanics.

The 1996 sampling program discovered mineralization which appeared to be positioned at or near the top of the sedimentary sequence, commonly near fold axes. Banded, bedding parallel sulphides appear to be near the top of the sedimentary sequence as observed in trench AT 87-14. Secondary hydrozincite and smithsonite were observed as coatings on part of the outcrop at sample location 316602. It is thought that this secondary mineralization may be the result of leaching from the overlying sediment-volcanic contact mineralization.

The most significant zinc assay was returned from sample 230793 which was hosted in a rhyolite breccia reported as having only trace sphalerite mineralization and 1% galena. The subtle nature of the mineralization is noted as the assays returned values of 11.10% zinc and 1.3% lead even though visual estimates were much lower. Prospecting and mapping should be conducted to trace this horizon and to determine if the hypothesis that the mineralization is located at this contact persists beyond the Canyon Creek location. A hand trenching program in the area of sample 230793 to attempt to expose the contact and mineralization should be conducted.

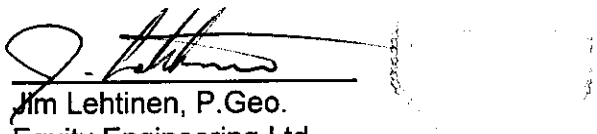
Continuation of geological mapping over the grid area should be completed to assist in identifying relative stratigraphic position of the various units and to assist in structural interpretation. The grid geology should be compiled with the older soil geochemistry as there appears to be a correlation of anomalous metal values with the 1996 mapped sediment-volcanic contact as well as with synclinal fold axes.

As a follow-up to the 1997 gravity geophysical program, the land survey of the gravity stations should be completed in order to interpret the complete gravity survey. Follow-up prospecting of VLF-EM anomalies should be carried out in conjunction with continued prospecting of the sediment/volcanic contact.

Upon completion of the earlier recommendations, a drill program should investigate the

sediment/volcanic contact as well as investigating the hinge areas of the folds for the possibility of podded sulphides. The mineralization in trench AT87-14 should be tested by drilling to determine the stratigraphic sequence hosting mineralization and to determine the extent of this mineralization.

Respectfully submitted,



Jim Lehtinen, P.Geo.
Equity Engineering Ltd.

Vancouver, British Columbia
March 1997

APPENDIX A

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APPENDIX B

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES
ASCOT PROPERTY
October 2 to October 16, 1996

PROFESSIONAL FEES AND WAGES		
Henry J. Awmack, P.Eng.		
1.5 days @ $425/day	$ 637.50	
Jim Lehtinen, P.Geo.		
16 days @ $425/day	6,800.00	
Jason Weber, Geologist		
1.375 days @ $350/day	481.25	
Tom Bell, Prospector		
15.5 days @$300/day	4,650.00	
Roy Heiman, Field Assistant		
17 days @ $225/day	3,825.00	
Clerical		
4.25 hours @ $25/hour	106.25	$16,500.00
EQUIPMENT RENTALS		
*Fly Camp		
126 man-days @ $25/man-day	$3,150.00	
*Generator, 5kVA		
18 days @ $20/day	360.00	
*4x4 Truck (Equity)		
16 days @ $80/day	1,280.00	
*4x4 Truck, Standby		
8 days @ $30/day	240.00	
*4x4 Truck (Bell)		
4.5 days @ $80/day	360.00	
*Chainsaw		
13 days @ $15/day	195.00	$5,585.00
EXPENSES		
*Accommodation	$ 379.64	
*Airfare	667.11	
*Automotive Fuel	1,137.70	
* Bulk Fuel	388.38	
*Camp Food	2,158.52	
Chemical Analyses	253.81	
*Courier	15.60	
*Expediting	30.38	
*Fax Charges	5.81	
*Ferries	25.89	
*Freight	1,458.05	
*Truck Rental (Non-Equity)	1,050.00	
Geophysical Contracting	16,058.76	

EXPENSES (Continued):		
Linecutting Contracting	8,700.00	
*Maps and Publications	24.24	
*Materials and Supplies	3,268.75	
*Meals	490.09	
*Camp Supplies	141.21	
*Parking	21.72	
*Printing and Reproductions	327.21	
*Radio Rental	272.50	
*Taxis and Airporters	7.52	
*Telephone Distance Charges	74.37	
*Tolls and Airport Taxes	4.17	$36,961.43
MANAGEMENT FEES		
15% on expenses only		$5,544.21
REPORT: (estimated)		$7,000.00
SUBTOTAL		$71,590.64
GST		
7.0 % on subtotal		$5,011.64
TOTAL		$76,601.98

NOTE: Items highlighted with an asterisk * are prorated costs.

APPENDIX C

ROCK SAMPLE DESCRIPTIONS

AK	Ankerite	BI	biotite	CA	calcite
CB	Fe-carbonate	CL	chlorite	CY	clay
EP	epidote	GE	goethite	GL	galena
GR	graphite	HE	hematite	JA	jarosite
KF	potassium feldspar	MG	magnetite	MN	Mn-oxides
MS	sericite	PY	pyrite	QZ	quartz
SI	silica	SP	sphalerite		

ALTERATION INTENSITY

tr	trace	w	weak	m	moderate
		s	strong		

Property : NTS : 93L/15E Date : March 11, 1997

Sample No.	Grid Co-or.		Type :		Alteration :		Ag	Ba	Cd	Cu	Pb	Zn
		97 +00		Float		mCB						
		73 +75	Strike Length Exp. :	m	Metallics :	1-2%GL,2-3%PY	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
230788	Elevation:	4560 ft	Sample Width :	m	Secondaries:	mSM	13	2.70%	>100.0	9	1.67%	7.60%
	Orientation:	/	True Width :	m	Host :	Gritty limestone						

Comments : Subcrop from trench at 9700N-7375E.

Sample No.	Grid Co-or.		Type :		Alteration :		Ag	Ba	Cd	Cu	Pb	Zn
		97 +00		Float		sCB						
		73 +75	Strike Length Exp. :	m	Metallics :	GL,PY	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
230789	Elevation:	4560 ft	Sample Width :	m	Secondaries:	wHE,sSM	9.8	4.10%	>100.0	36	4780	6.77%
	Orientation:	/	True Width :	m	Host :	Limestone						

Comments : Subcrop from 9700N-7375E trench.

Sample No.	Grid Co-or.		Type :		Alteration :		Ag	Ba	Cd	Cu	Pb	Zn
		97 +00		Grab		sCB						
		73 +75	Strike Length Exp. :	1 m	Metallics :	trAS,1-2%GL,2-3%PY	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
230790	Elevation:	4560 ft	Sample Width :	25 cm	Secondaries:		3	1.30%	14.5	19	804	3530
	Orientation:	/	True Width :	25 cm	Host :	Tuffs						

Comments : Outcrop in 9700N-7375E trench.

Sample No.	Grid Co-or.		Type :		Alteration :		Ag	Ba	Cd	Cu	Pb	Zn
		94 +60		Float		sCB						
		72 +90	Strike Length Exp. :	m	Metallics :	1-2%GL,1%PY,trSP	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
230791	Elevation:	4400 ft	Sample Width :	m	Secondaries:	m-sSM	4.8	1.80%	31.5	7	1625	8600
	Orientation:	/	True Width :	m	Host :	Limestone						

Comments : Traces of honey sphalerite. Subcrop off sidehill 15m below falls on south side.

Sample No.	Grid Co-or.		Type :		Alteration :		Ag	Ba	Cd	Cu	Pb	Zn
		94 +50		Float								
		71 +90	Strike Length Exp. :	m	Metallics :	trGL,trPY,trSP	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
230792	Elevation:	4390 ft	Sample Width :	m	Secondaries:	wHE	0.2	0.20%	0.5	72	34	374
	Orientation:	/	True Width :	m	Host :	Breccia						

Comments :

Sample No.	Grid Co-or.		Type :		Alteration :		Ag	Ba	Cd	Cu	Pb	Zn
		94 +43		Float		sCB						
		70 +60	Strike Length Exp. :	m	Metallics :	1%GL,1-2%PY,trSP	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
230793	Elevation:	4395 ft	Sample Width :	m	Secondaries:	mHE,sSM	15.8	0.90%	>100.0	180	1.30%	11.10%
	Orientation:	/	True Width :	m	Host :	Breccia						

Comments : Several subcrop boulders of this material on sidehill.

Sample No.	Grid Co-or.		Type :		Alteration :		Ag	Ba	Cd	Cu	Pb	Zn
		94 +70		Float		sCB,wQZ						
		69 +85	Strike Length Exp. :	m	Metallics :	PY,1%SP	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
230794	Elevation:	4380 ft	Sample Width :	m	Secondaries:	sSM	0.2	0.20%	71.5	25	58	1.65%
	Orientation:	/	True Width :	m	Host :	Breccia						

Comments : Subcrop on gully sidehill just south side of baseline, below 9500N-6985E.

Sample No.	Grid Co-or.		Type :		Alteration :		Ag	Ba	Cd	Cu	Pb	Zn
		94 +20		Grab		sCB,wQZ						
		70 +00	Strike Length Exp. :	1 m	Metallics :	trGL,trPY,trSP	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
230795	Elevation:	4360 ft	Sample Width :	50 cm	Secondaries:	sSM	1	0.50%	43.5	40	52	9670
	Orientation:	/	True Width :	50 cm	Host :	Breccia						

Comments : Taken 20m north of L9400N on baseline in creek gully.

Sample No.	Grid Co-or.		Type :		Alteration :		Ag	Ba	Cd	Cu	Pb	Zn
		87 +15		Grab		sCB,mQZ						
		69 +55	Strike Length Exp. :	5-10 m	Metallics :	>1%CP,trGL	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
230796	Elevation:	4780 ft	Sample Width :	50 cm	Secondaries:	wGE,wJA	1	<.1%	<.5	193	16	248
	Orientation:	/	True Width :	m	Host :	Diorite						

Comments : Taken 15m at 350 degrees from 8700N, 6950E. Chalcopyrite seen over 5-10m area in diorite.

Sample No.	Grid Co-or.		Type :		Alteration :		Ag	Ba	Cd	Cu	Pb	Zn
		86 +80				sCB,wQZ						
		67 +50	Strike Length Exp. :	m	Metallics :	1%CP,trGL,trPY	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
230797	Elevation:	4825 ft	Sample Width :	50 cm	Secondaries:	mGE,mJA	0.6	<.1%	<.5	422	90	172
	Orientation:	/	True Width :	m	Host :	Diorite						

Comments : Taken 24m at 170 degrees from 8700N, 6775E. Traces of chalcopyrite and galena along hillside in diorite.

Sample No.	UTM :		Type :		Alteration :		Ag	Ba	Cd	Cu	Pb	Zn
		6071920 N		Select		mCB,sQZ						
		646060 E	Strike Length Exp. :	10 m	Metallics :	trCP,5-7%GL,trPY	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
230798	Elevation:	4775 ft	Sample Width :	50 cm	Secondaries:	mGE,mJA	2.2	<.1%	5.5	153	3.28%	116
	Orientation:	/	True Width :	50 cm	Host :	Wacke						

Comments : Taken in bush just off south end of Ascot Lake. 1m radius of good galena. Traces of galena, chalcopyrite over 5-7m radius.
Grab from highgrade zone.

Sample No.	UTM :		Type :		Alteration :		Ag	Ba	Cd	Cu	Pb	Zn
		N		Grab		wCA						
		E	Strike Length Exp. :	<0.5? m	Metallics :	2%GL,3%PY,2%SP	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
316601	Elevation:		Sample Width :	50 cm	Secondaries:		<.2	1.50%	86	47	4230	2.23%
	Bedding :	/	True Width :	m	Host :	Ash tuff? - limestone						

Comments : Small exposure in bank - weak foliation appears to have crenulations. Concentration of sulphides may be at the nose of a small fold. Sulphides clustered and very weak bands (indistinct) - following fracture/fill?

Sample No.	Grid Co-or.	Type	Alteration		Ag (ppm)	Ba (ppm)	Cd (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
	95 +00	Grab								
	73 +15	Strike Length Exp. : 20 m	Metallics :	trGL,trPY						
316602	Elevation:	Sample Width : 10 m	Secondaries:	m-sSM	2.2	2.00%	51.5	8	384	7940
	Bedding : 308 / 77 NE	True Width : 6-7 m	Host :	Limestone						

Comments : Mod. fabric developed in dirty limestone fine carbonate stringers, hairline fracturing and elongated clasts and secondary calcite.Smithsonite along most fractures and possibly very fine-grained yellow-red sphalerite(?)-with Fe-carbonate stringers.

Sample No.	Grid Co-or.	Type	Alteration		Ag (ppm)	Ba (ppm)	Cd (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
	94 +30	Grab								
	70 +60	Strike Length Exp. : 2 m	Metallics :	tr-3%PY						
316603	Elevation:	Sample Width : 35 cm	Secondaries:		1.2	1.20%	7	22	84	1655
	Bedding : 060 / 55 SE	True Width : 20 cm	Host :	Grey argilliceous limestone						

Comments : Strong zinc zap reaction - pyrite associated with calcite stringers and disseminated and weak bands. Zinc zap - appears along bedding and fracture planes.

Sample No.	Grid Co-or.	Type	Alteration		Ag (ppm)	Ba (ppm)	Cd (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
	94 +25	Grab								
	70 +25	Strike Length Exp. : 8 m	Metallics :	trPY						
316604	Elevation:	Sample Width : 30 cm	Secondaries:		<.2	1.20%	15	6	44	3730
	Bedding : 060 / 75 SE	True Width : 30 cm	Host :	Light grey limestone						

Comments : Light grey, hard limestone, thin laminae, calcite stringers. Strong zinc zap reaction on surface. Pyrite along bedding parallel laminae and fractures.

Sample No.	Grid Co-or.	Type	Alteration		Ag (ppm)	Ba (ppm)	Cd (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
	94 +00	Float		sCB,mMS						
	74 +93	Strike Length Exp. : 8 m	Metallics :	3%PY						
316605	Elevation: 1385 m	Sample Width : 20 cm	Secondaries:		<.2	0.10%	<.5	37	4	58
	Orientation: ? /	True Width : m	Host :	Altered volcanic or intrusive						

Comments : Suboutcrop - very rusty Fe-carbonate altered. Protolith = volcanic? or intrusive? Pseudomorph crystals up to 1.5mm - feldspars? Pyrite as stringers (fracture) and disseminated.

Sample No.	Grid Co-or.	Type	Alteration		Ag (ppm)	Ba (ppm)	Cd (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
	93 +35	Grab								
	63 +30	Strike Length Exp. : 8 m	Metallics :	trPY						
316606	Elevation: 1290 m	Sample Width : 2.0 m	Secondaries:	mSM	0.6	1.80%	38	25	64	1.33%
	Faulting : 330 / 55 NE	True Width : 1.5 m	Host :	Andesite lapilli tuff						

Comments : Sheared with barite +/- calcite - strong zinc zap reaction. Host is lapilli tuff, fragments up to 3cm.

Sample No.	Grid Co-or.	Type	Alteration		Ag (ppm)	Ba (ppm)	Cd (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
	93 +10	Select								
	64 +80	Strike Length Exp. : m	Metallics :	tr-5%GL,trPY,tr-7%SP						
316607	Elevation: 1220 m	Sample Width : 1.5 m	Secondaries:		157g/t	3.00%	>100.0	310	4390	2.01%
	Orientation: /	True Width : m	Host :	Limestone						

Comments : Calcite veining appears at localized, disrupted bedding in limestone (foldnose?). Strong cleavage. Sulphides - dominantly in veining and minor banding. Note: highgrade grab, sphalerite = black

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Property : NTS : 93L/15E Date : March 11, 1997

Sample No.	Grid Co-or.	92 +75	Type : Grab	Alteration :	mCB	Ag	Ba	Cd	Cu	Pb	Zn
		69 +10	Strike Length Exp. : 1 m	Metallics :	trGL,5%PY	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
316608	Elevation:	1295 m	Sample Width : 15 cm	Secondaries:		1.8	0.80%	12	37	656	3040
	Orientation:	035 / 40	True Width : 15 cm	Host :	Limestone at contact with volcanic						

Comments : Carbonate alteration paralleling contact with volcanic - test mineralization at contact since there appears to be fluid movement (alteration) at most limestone upper contacts.

APPENDIX D

GEOPHYSICAL REPORT

GEOPHYSICAL REPORT

MAGNETOMETER, VLF-EM, & GRAVITY SURVEY
on the

ASCOT 1 - 22 CLAIMS

Omineca, Mining Division, N.T.S 93L/15e

for

BLACK DOG MINING LTD.

Survey by

SJ GEOPHYSICS LTD.
11762 - 94th Avenue
Delta, British Columbia
Canada V4C 3R7

Report by

Zoran Dujakovic

E. Trent Pezzot P. Geo

S.J.V. CONSULTANTS LTD.

January, 1997

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SJ Geophysics Ltd. / S.J.V. Consultants Ltd. 11762 - 94th Ave., Delta, B.C. Canada
tel: (604) 582-1100 fax: (604) 589-7466 e-mail: syd_visser@mindlink.net

INTRODUCTION

Magnetic, very low frequency electromagnetic (VLF-EM) and gravity surveys were completed on the Ascot 1-22 Claims for Black Dog Mining Ltd. by SJ Geophysics Ltd., and Equity Engineering Ltd. The Ascot 1-22 Claims are situated about 30 km east from Smithers B.C. in the Omineca Mining Division, NTS 93L/15e.

The purpose of the survey was to aid in the mapping of local geology and to search for mineralized or conductive structures.

This report is meant to be an addenum to a more complete property report therefore, location, location maps, description of geology and previous work are not included.

FIELD WORK AND INSTRUMENTATION

Magnetometer, VLF-EM and Gravity surveys were completed during the period of October 03-16, 1996, which comprised 12 data acquisition days and 2 mob/demob days. Data acquisition, processing and field presentation were performed by John Ashenhurst (Technician). Magnetometer and VLF-EM surveys were performed at 12.5 metre intervals, and the Gravity survey was performed at 25 metre intervals along the 100 m spaced lines, for a total of about 28 kilometres.

An EDA OMNI PLUS combined proton precession magnetometer and VLF-EM system were used for data acquisition and an EDA OMNI IV proton precession magnetometer was used as a base station which recorded data in 30 seconds intervals. The VLF-EM survey used the signals from Seattle (24.8 kHz, NLK) and Hawaii (21.4 kHz, NPM). The Hawaii transmitter is poorly orientated for east/west lines and was used primarily for confirmation of anomalies detected with the Seattle transmitter. The direction of VLF-EM surveying is positive to the east.

A Lacoste & Romberg Model G Gravity Meter was used for gravity data acquisition. Approximately 1/3 of the proposed gravity survey was completed. Poor snow conditions, resulting in unacceptable survey production, are cited as the reason for terminating this portion of the survey.

All data was downloaded to a computer in the evening. The data was processed as time permitted by the technician. The data was plotted on an Bubble Jet printer.

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The data was re-plotted on a 36 inch Ink Jet colour plotter in Vancouver for the final presentation and interpretation.

DATA PRESENTATION

The magnetic, VLF-EM, gravity data, and filtered VLF-EM data and compilation of the magnetic and VLF-EM data are presented on the following plates:

TABLE 1 list of plates geophysics.

PLATE G1A	TOTAL FIELD MAGNETICS PROFILES	In Pocket
PLATE G1B	TOTAL FIELD MAGNETICS CONTOURS	In Pocket
PLATE G1C	TOTAL FIELD MAGNETICS COLOUR CONTOURS	In Pocket
PLATE G2A	VLF-EM SURVEY PROFILES VLF-EM Transmitter: 24.8 kHz (NLK) Seattle	In Pocket
PLATE G2B	VLF-EM SURVEY FRASER FILTERED DIP ANGLE CONTOURS VLF-EM Transmitter: 24.8 kHz (NLK) Seattle	In Pocket
PLATE G2C	VLF-EM SURVEY FRASER FILTERED DIP ANGLE COLOUR CONTOURS VLF-EM Transmitter: 24.8 kHz (NLK) Seattle	In Pocket
PLATE G3A	VLF-EM SURVEY PROFILES VLF-EM Transmitter: 21.4 kHz (NPM) Hawaii	In Pocket
PLATE G3B	VLF-EM SURVEY FRASER FILTERED DIP ANGLE CONTOURS VLF-EM Transmitter: 21.4 kHz (NPM) Hawaii	In Pocket
PLATE G3C	VLF-EM SURVEY FRASER FILTERED DIP ANGLE COLOUR CONTOURS VLF-EM Transmitter: 21.4 kHz (NPM) Hawaii	In Pocket
PLATE G4	BOUGUER GRAVITY (mGal) COLOUR CONTOURS	In Pocket
PLATE G5	COMPILATION MAP	In Pocket

The only corrected gravity data is presented as colour contours of Bouguer Gravity (mGal), Plate G4. All available gravity data is presented as raw data in Appendix I.

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INTERPRETATION

The interpretation is presented on the compilation map, Plate G5. Discussions regarding directions on the grid will be in terms of grid east, north, south, and west.

MAGNETICS

The magnetic relief over the surveyed area is approximately 5000 nT. The three narrow and subparallel magnetic dykes located at the western part of grid are responsible for the 5000 nT relief. Two very westerly dykes, as shown on compilation map, start on line 8900N from the same point at 6225E and strike north across the grid on line 10000N at 6225E and 6450E. The third narrower dyke strikes N-S across the surveyed grid and is considered open at both ends. According to the magnetic data, all three dykes dip to the west. The eastern part of survey grid has a very uniform susceptibility.

VLF-EM

The VLF-EM anomalies detected from the Seattle transmitter are partly confirmed with anomalies determined from the Hawaii data. There is a minor correlation between VLF-EM anomalies and magnetic anomalies.

The VLF-EM survey has delineated numerous north-south trending anomalies (primarily determined from dip angle and total field profiles) shown on the compilation map as good, medium and poor conductors. The following is a more detailed description of the VLF-EM anomalies.

The well defined VLF-EM anomalies detected from the Seattle transmitter are labelled, on the compilation map, as A, B and C.

Anomaly A, located in the south-eastern part of survey grid, is the most prominent VLF-EM anomaly. It is a well defined steeply dipping conductor that becomes stronger to the south. Anomaly A is open to the south and warrants further investigation in this direction. The source of this anomaly could either be massive sulphides, conductive fault, or combination of both.

Anomaly B is located in the northern part of the grid between lines 9600N and 10000N and is open to the north. It is a well defined good conductor from both Seattle and Hawaii data. The dip angle, total field and partly quadrature responses indicate a good conductor. The source of this anomaly could be a conductive fault or massive sulphides.

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Anomaly C, located in the central part of grid, is slightly less prominent than Anomaly B. These two anomalies could be the same conductor terminated by some structure on line 9500N. Variable magnetic response on line 9500N between 7100E and 7300E may suggest a possible structure or contact.

The remainder of VLF-EM anomalies from the grid, shown as medium and poor conductors, are not discussed, but presented on the compilation map. These anomalies may represent resistive contacts or weakly conductive faults. A couple of these anomalies are associated with magnetic dykes.

GRAVITY

At the time of writing this report, the topographic information required to reduce the gravity data was available for only a portion of the surveyed grid. Plate G4 displays the available corrected gravity data. Proper interpretation will only be possible when the rest of the survey is completed henceforth the gravitiy data is not interpreted and not included on the compilation map. It is recommended that the survey should be completed.

CONCLUSION

The three parallel, narrow magnetic dykes are responsible for 5000 nT magnetic relief on the survey grid. They are located on the western part of grid and strike across the grid to the north. The eastern part of grid has uniform susceptibility. There is a minor correlation between magnetic and VLF-EM data.

The VLF-EM survey has delineated numerous north-south trending anomalies (primarily determined from dip angle and total field profiles) shown on the compilation map as good, medium and poor conductors. The most prominent VLF-EM anomalies labelled A, B and C are located in the eastern part of grid as shown on the compilation map. The source of anomalies A, B and C could be either massive sulphides, conductive faults or a combination of both. Anomalies A and B are open to the south and to the north and warrant further investigation.

The remainder of VLF-EM anomalies from the grid, shown as medium and poor conductors, may represent resistive contacts or weakly conductive faults.

The gravity survey was not completed at the time this report was written.

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RECOMMENDATIONS

The geophysical data should be compiled with geological mapping and possible geochemical sampling to determine if more detail work or other geophysical techniques are required to enhance the geological mapping. If the results of the Mag/VLF survey correlate well with the geology, further interpretation of that correlation is recommended.

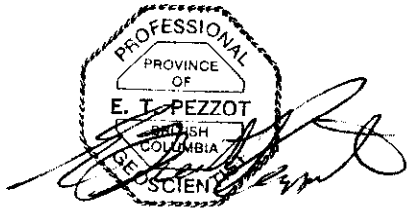
The good VLF-EM anomalies mentioned in the above interpretation and shown on the compilation map G5 should be prospected carefully and possibly checked with trenching and/or geochemical sampling.

Anomalies A, B and C should be checked by other geophysical techniques, such as Horizontal Loop EM (HLEM).

Anomalies A and B warrant further investigation to the south and north to fully delineate these anomalies.

The gravity data should be completed and compiled with other geophysical data and geological mapping.

Respectfully submitted
per S.J.V. Consultants Ltd.



Zoran Dujakovic
Geophysicist

E. Trent Pezzot, B.Sc., P.Geo
Geophysics, Geology

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STATEMENT OF QUALIFICATIONS

I, Zoran Dujakovic of 4364 Vipond Place, Burnaby, in the Province of British Columbia, hereby certifies that:

1) I am a graduate of the Belgrade University, Faculty of Mining and Geology - Geophysics Program with an Engineer of Geology degree in Geophysics.
2) I have been engaged in mining and petroleum exploration since 1981.
3) I am a registered as an Engineer of Geology - Geophysics Program with the Chamber of Commerce of Serbia.

Zoran Dujakovic
Geophysicist

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STATEMENT OF QUALIFICATIONS

I, E. Trent Pezzot, of the city of Surrey, Province of British Columbia, hereby certify :

- I graduated from the University of British Columbia in 1974 with a B.Sc. degree in the combined Honours Geology and Geophysics program.

- I have practised my profession continuously from that date.

- I am a registered member of the Association of Professional Engineers and Geoscientists of British Columbia.

- I have no interest in Black Dog Mining Ltd. or any of their subsidiaries or related companies, nor do I expect to receive any.

January 15, 1997

E. Trent Pezzot, B.Sc., P.Geo.

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APPENDIX I

GRAVITY DATA

SJ Geophysics Ltd. / S.J.V. Consultants Ltd. 11762 - 94th Ave., Delta, B.C. Canada
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								gravity	base sta	X, Y & Z			
Survey area...	ASCOT 1-22 CLAIMS			Grid centre(N/S	9600	646120	6072869	1339.78					
Date (ddmmyy)...	10/4/96			Grid centre(E/W	7000	grid	centre	X, Y & Z					
Julian Date...	35342			Grid latitude...	54.780	645851	6072020	1361.46					
Operator...	JA			Grid Azimuth...	140								
Meter number...	G 199			Base Adjustment	-224.6								
1st Base Value...	4400			Drift Rate...	-0.353								
2nd Base Value...	4400			DENSITY	2.65								

Bouguer Gravity Data Reduction:

Line		Station		Reading	Time	H.I.	Tide	Terrain	Range	Value	Factor	G Observed	Line Dist. to centre
Base Station #1													
		ASCOT		4374.23	11.32	0	-0.02	0	4300	4546	1.05908	4624.595508	N/A
Base Station #2													
		ASCOT		4374.62	18.16	0	-0.08	0	4300	4546	1.05908	4624.948550	N/A
7925	E	10000	N	4375.95	12	0.33	-0.03	0	4300	4546	1.05908	4626.508915	925
7900	E	10000	N	4375.81	12.18	0.33	-0.03	0	4300	4546	1.05908	4626.360643	900
7875	E	10000	N	4375.57	12.26	0.375	-0.04	0	4300	4546	1.05908	4626.110344	875
7850	E	10000	N	4375.44	12.36	0.34	-0.04	0	4300	4546	1.05908	4625.961868	850
7825	E	10000	N	4375.33	12.49	0.31	-0.04	0	4300	4546	1.05908	4625.836116	825
7800	E	10000	N	4375.17	12.59	0.305	-0.04	0	4300	4546	1.05908	4625.665121	800
7775	E	10000	N	4374.98	13.05	0.33	-0.05	0	4300	4546	1.05908	4625.461607	775
7750	E	10000	N	4374.87	13.14	0.3	-0.05	0	4300	4546	1.05908	4625.335855	750
7725	E	10000	N	4374.87	13.44	0.225	-0.05	0	4300	4546	1.05908	4625.312721	725
7700	E	10000	N	4374.85	13.52	0.305	-0.06	0	4300	4546	1.05908	4625.306215	700
7675	E	10000	N	4374.91	14	0.275	-0.06	0	4300	4546	1.05908	4625.360507	675
7650	E	10000	N	4374.99	14.09	0.17	-0.06	0	4300	4546	1.05908	4625.412846	650
7625	E	10000	N	4375.16	14.15	0.29	-0.06	0	4300	4546	1.05908	4625.629903	625
7600	E	10000	N	4375.22	14.23	0.22	-0.06	0	4300	4546	1.05908	4625.671857	600
7575	E	10000	N	4375.11	14.3	0.23	-0.06	0	4300	4546	1.05908	4625.558442	575
7550	E	10000	N	4375.08	14.38	0.29	-0.06	0	4300	4546	1.05908	4625.545177	550
7525	E	10000	N	4375.09	14.47	0.275	-0.07	0	4300	4546	1.05908	4625.541141	525
7500	E	10000	N	4375.08	14.54	0.23	-0.07	0	4300	4546	1.05908	4625.516670	500
7475	E	10000	N	4375.07	15.03	0.23	-0.07	0	4300	4546	1.05908	4625.506079	475
7450	E	10000	N	4375.03	15.12	0.295	-0.07	0	4300	4546	1.05908	4625.483765	450
7425	E	10000	N	4374.86	15.24	0.3	-0.07	0	4300	4546	1.05908	4625.305264	425
7400	E	10000	N	4374.8	15.33	0.25	-0.07	0	4300	4546	1.05908	4625.226297	400
7375	E	10000	N	4374.68	15.44	0.225	-0.07	0	4300	4546	1.05908	4625.091496	375
7350	E	10000	N	4374.76	15.56	0.2	-0.07	0	4300	4546	1.05908	4625.168511	350
7325	E	10000	N	4375.08	16.05	0.19	-0.07	0	4300	4546	1.05908	4625.504332	325
7300	E	10000	N	4372.21	16.14	0.165	-0.07	0	4300	4546	1.05908	4622.457061	300
7275	E	10000	N	4375.28	16.29	0.26	-0.07	0	4300	4546	1.05908	4625.737739	275
7250	E	10000	N	4375.18	16.4	0.3	-0.07	0	4300	4546	1.05908	4625.644169	250
7225	E	10000	N	4374.83	16.5	0.435	-0.07	0	4300	4546	1.05908	4625.315132	225

Sta. Dist. to centre	Polar	Azimuth	Lat Corr	Elevation	Bouguer				
N/A	N/A	N/A	0.000000	1361.457	4667.73				
N/A	N/A	N/A	0.000000	1361.457	4668.08				
						Line	Station	X	Y
400	52.714380	92.066	0.029052	1339.493	4668.92	10000	7925	646267.632	6072917.758
400	52.803166	91.977	0.027172	1340.487	4668.80	10000	7900	646251.017	6072902.508
400	52.892161	91.888	0.025349	1341.490	4668.59	10000	7875	646232.435	6072886.338
400	52.981367	91.799	0.023582	1342.465	4668.47	10000	7850	646213.735	6072869.959
400	53.070782	91.709	0.021872	1343.191	4668.37	10000	7825	646195.000	6072853.725
400	53.160407	91.620	0.020218	1344.233	4668.23	10000	7800	646176.442	6072837.054
400	53.250243	91.530	0.018621	1345.185	4668.06	10000	7775	646158.025	6072820.613
400	53.340290	91.440	0.017080	1346.032	4667.96	10000	7750	646139.210	6072804.544
400	53.430548	91.349	0.015596	1346.150	4667.95	10000	7725	646120.799	6072788.440
400	53.521017	91.259	0.014167	1346.033	4667.94	10000	7700	646102.144	6072772.136
400	53.611699	91.168	0.012795	1345.744	4667.98	10000	7675	646083.597	6072755.573
400	53.702592	91.077	0.011478	1345.262	4668.02	10000	7650	646064.952	6072739.402
400	53.793697	90.986	0.010216	1344.364	4668.21	10000	7625	646046.451	6072723.098
400	53.885015	90.895	0.009008	1344.112	4668.25	10000	7600	646027.656	6072706.728
400	53.976546	90.803	0.007855	1344.507	4668.15	10000	7575	646008.904	6072690.266
400	54.068291	90.712	0.006756	1344.878	4668.15	10000	7550	645990.298	6072673.906
400	54.160248	90.620	0.005710	1344.973	4668.15	10000	7525	645971.641	6072657.599
400	54.252419	90.528	0.004715	1345.334	4668.14	10000	7500	645952.914	6072641.075
400	54.344805	90.435	0.003772	1345.514	4668.13	10000	7475	645934.277	6072624.640
400	54.437404	90.343	0.002879	1345.625	4668.11	10000	7450	645915.659	6072608.393
400	54.530218	90.250	0.002035	1346.777	4667.97	10000	7425	645897.189	6072592.041
400	54.623247	90.157	0.001238	1347.348	4667.91	10000	7400	645878.746	6072575.802
400	54.716490	90.064	0.000486	1347.920	4667.80	10000	7375	645860.420	6072559.500
400	54.809949	89.970	-0.000222	1347.611	4667.86	10000	7350	645841.895	6072542.912
400	54.903624	89.876	-0.000889	1347.759	4668.21	10000	7325	645823.251	6072526.721
400	54.997514	89.782	-0.001518	1346.914	4665.13	10000	7300	645804.558	6072510.224
400	55.091620	89.688	-0.002111	1346.069	4668.39	10000	7275	645786.205	6072494.256
400	55.185943	89.594	-0.002673	1346.167	4668.30	10000	7250	645767.937	6072477.756
400	55.280481	89.500	-0.003206	1347.359	4668.01	10000	7225	645749.267	6072461.281

								gravity	base sta	X, Y & Z			
Survey area...	ASCOT 1-22 CLAIMS			**Grid centre(N/S)..**		9600		646120	6072869	1339.777			
Date (ddmmyy)..	10/5/96			**Grid centre(E/W)..**		7000		grid	centre	X, Y & Z			
Julian Date...	35343			**Grid latitude...**		54.780		645851	6072020	1361.457			
Operator...	JA			**Grid Azimuth...**		140							
Meter number...	G 199			**Base Adjustment...**		-224.914							
1st Base Value...	4400			**Drift Rate...**		0.008274							
2nd Base Value..	4400			**DENSITY**		2.65							
Bouguer Gravity Data Reduction:													**Line Dist.**
Line		**Station**		**Reading**	**Time**	**H.I.**	**Tide**	**Terrain**	**Range**	**Value**	**Factor**	**G Observed**	**to centre**
Base Station #1													
		ASCOT		4374.5	9.42	0	0.013	0	4300	4546	1.05908	4624.91446	0
Base Station #2													
		ASCOT		4374.58	18.26	0	-0.08	0	4300	4546	1.05908	4624.906186	0
7250	E	10000	N	4375.13	10.19	0.28	0.01	0	4300	4546	1.05908	4625.665046	250
7225	E	10000	N	4374.79	10.3	0.42	0.01	0	4300	4546	1.05908	4625.348142	225
7212.5	E	10000	N	4375.32	10.37	0.285	0.01	0	4300	4546	1.05908	4625.867814	212.5
7200	E	10000	N	4375.71	10.46	0.26	0	0	4300	4546	1.05908	4626.263144	200
7187.5	E	10000	N	4375.92	10.53	0.18	0	0	4300	4546	1.05908	4626.460875	187.5
7175	E	10000	N	4376.19	11	0.19	0	0	4300	4546	1.05908	4626.749911	175
7150	E	10000	N	4376.76	11.07	0.185	0	0	4300	4546	1.05908	4627.352044	150
7125	E	10000	N	4377.18	11.14	0.275	0	0	4300	4546	1.05908	4627.824618	125
7100	E	10000	N	4377.45	11.21	0.2	-0.01	0	4300	4546	1.05908	4628.077436	100
7075	E	10000	N	4377.8	11.29	0.17	-0.01	0	4300	4546	1.05908	4628.438861	75
7050	E	10000	N	4377.96	11.39	0.28	-0.01	0	4300	4546	1.05908	4628.642243	50
7025	E	10000	N	7378.17	11.45	0.26	-0.01	0	4300	4546	1.05908	7806.098481	25
7000	E	10000	N	4378.48	11.53	0.21	-0.02	0	4300	4546	1.05908	4629.161373	0
6975	E	10000	N	4378.68	12.03	0.13	-0.02	0	4300	4546	1.05908	4629.348513	-25
6950	E	10000	N	4378.95	12.16	0.19	-0.02	0	4300	4546	1.05908	4629.652972	-50
6925	E	10000	N	4379.5	12.25	0.32	-0.02	0	4300	4546	1.05908	4630.275564	-75
6900	E	10000	N	4380.44	12.37	0.21	-0.03	0	4300	4546	1.05908	4631.22717	-100
6875	E	10000	N	4380.99	12.47	0.235	-0.03	0	4300	4546	1.05908	4631.817375	-125
6850	E	10000	N	4381.48	12.56	0.26	-0.03	0	4300	4546	1.05908	4632.344035	-150
6825	E	10000	N	4381.67	13.3	0.23	-0.04	0	4300	4546	1.05908	4632.526007	-175
6800	E	10000	N	4381.03	13.39	0.285	-0.04	0	4300	4546	1.05908	4631.865161	-200
6775	E	10000	N	4380.59	13.46	0.265	-0.05	0	4300	4546	1.05908	4631.382996	-225
6750	E	10000	N	4380.82	13.55	0.27	-0.05	0	4300	4546	1.05908	4631.628127	-250
6725	E	10000	N	4381.04	14.02	0.28	-0.05	0	4300	4546	1.05908	4631.864209	-275
6700	E	10000	N	4381.12	14.08	0.185	-0.05	0	4300	4546	1.05908	4631.919633	-300
6675	E	10000	N	4381.06	14.16	0.23	-0.05	0	4300	4546	1.05908	4631.869968	-325
6650	E	10000	N	4381.3	14.26	0.22	-0.06	0	4300	4546	1.05908	4632.111063	-350
6625	E	10000	N	4381.67	14.34	0.21	-0.06	0	4300	4546	1.05908	4632.499838	-375
6600	E	10000	N	4381.82	14.41	0.215	-0.06	0	4300	4546	1.05908	4632.660242	-400
6575	E	10000	N	4382.02	14.53	0.26	-0.06	0	4300	4546	1.05908	4632.885939	-425
6550	E	10000	N	4382.75	15.01	0.29	-0.07	0	4300	4546	1.05908	4633.658321	-450
6525	E	10000	N	4382.37	15.09	0.21	-0.07	0	4300	4546	1.05908	4633.231194	-475
6500	E	10000	N	4383.81	15.21	0.37	-0.07	0	4300	4546	1.05908	4634.805621	-500
6475	E	10000	N	4384.51	15.32	0.145	-0.07	0	4300	4546	1.05908	4635.477576	-525
6450	E	10000	N	4385.15	15.41	0.22	-0.07	0	4300	4546	1.05908	4636.178521	-550
6425	E	10000	N	4385.95	15.53	0.365	-0.07	0	4300	4546	1.05908	4637.07051	-575
6400	E	10000	N	4386.8	16.01	0.2	-0.07	0	4300	4546	1.05908	4637.919834	-600
6375	E	10000	N	4387.1	16.11	0.225	-0.07	0	4300	4546	1.05908	4638.245269	-625
6350	E	10000	N	4387.89	16.34	0.33	-0.08	0	4300	4546	1.05908	4639.10433	-650
6325	E	10000	N	4388.64	16.43	0.34	-0.08	0	4300	4546	1.05908	4639.901724	-675
6300	E	10000	N	4389.45	16.53	0.27	-0.08	0	4300	4546	1.05908	4640.737988	-700
6275	E	10000	N	4390.07	16.59	0.35	-0.08	0	4300	4546	1.05908	4641.419293	-725
6250	E	10000	N	4391.01	17.07	0.33	-0.08	0	4300	4546	1.05908	4642.408659	-750
6225	E	10000	N	4391.77	17.15	0.305	-0.08	0	4300	4546	1.05908	4643.205849	-775
6200	E	10000	N	4392.5	17.22	0.36	-0.08	0	4300	4546	1.05908	4643.995942	-800
6175	E	10000	N	4393.11	17.3	0.205	-0.08	0	4300	4546	1.05908	4644.594171	-825

Sta. Dist. to centre	Polar	Azimuth	Lat Corr	Elevation	Bouguer				
0	0	0	0.000000		4624.91				
0	0	0	0.000000		4624.91				
						Line	Station	X	Y
400	55.186780	89.593	-0.002678	1346.167	4666.63	10000	7250	645767.94	6072478
400	55.281318	89.499	-0.003212	1347.359	4666.35	10000	7225	645749.27	6072461
400	55.328668	89.451	-0.003469	1345.074	4666.80	10000	7212.5	645739.57	6072453
400	55.376072	89.404	-0.003721	1342.789	4667.12	10000	7200	645729.87	6072444
400	55.423531	89.356	-0.003968	1342.964	4667.33	10000	7187.5	645720.62	6072435
400	55.471044	89.309	-0.004211	1343.138	4667.62	10000	7175	645711.37	6072425
400	55.566232	89.214	-0.004688	1336.87	4668.03	10000	7150	645692.84	6072410
400	55.661638	89.118	-0.005157	1334.349	4668.43	10000	7125	645673.25	6072392
400	55.757261	89.023	-0.005624	1332.925	4668.64	10000	7100	645654.47	6072376
400	55.853102	88.927	-0.006096	1331.136	4668.95	10000	7075	645635.9	6072360
400	55.949162	88.831	-0.006578	1330.146	4669.12	10000	7050	645617.07	6072344
400	56.045439	88.735	-0.007079	1328.776	7846.54	10000	7025	645598.64	6072328
400	56.141934	88.638	-0.007604	1327.161	4669.55	10000	7000	645579.94	6072311
400	56.238648	88.541	-0.008159	1326.143	4669.71	10000	6975	645561.04	6072295
400	56.335581	88.444	-0.008752	1324.552	4669.96	10000	6950	645542.28	6072279
400	56.432733	88.347	-0.009388	1321.166	4670.48	10000	6925	645523.52	6072262
400	56.530104	88.250	-0.010071	1315.93	4671.28	10000	6900	645504.88	6072246
400	56.627694	88.152	-0.010807	1312.883	4671.77	10000	6875	645485.97	6072230
400	56.725504	88.054	-0.011599	1310.199	4672.22	10000	6850	645467.03	6072213
400	56.823533	87.956	-0.012452	1309.062	4672.37	10000	6825	645448.27	6072197
400	56.921783	87.858	-0.013367	1312.205	4671.80	10000	6800	645429.96	6072180
400	57.020252	87.760	-0.014348	1311.811	4671.31	10000	6775	645335.95	6072098
400	57.118941	87.661	-0.015396	1310.586	4671.52	10000	6750	645317.29	6072081
400	57.217850	87.562	-0.016513	1308.625	4671.70	10000	6725	645298.4	6072065
400	57.316980	87.463	-0.017701	1307.871	4671.73	10000	6700	645279.41	6072048
400	57.416331	87.364	-0.018960	1314.587	4671.89	10000	6675	645411.14	6072164
400	57.515902	87.264	-0.020291	1313.739	4672.10	10000	6650	645392.26	6072148
400	57.615694	87.164	-0.021694	1312.477	4672.46	10000	6625	645373.62	6072131
400	57.715707	87.064	-0.023171	1311.932	4672.60	10000	6600	645354.76	6072114
400	57.815941	86.964	-0.024722	1306.156	4672.65	10000	6575	645260.75	6072032
400	57.916396	86.864	-0.026346	1302.461	4673.31	10000	6550	645241.67	6072016
400	58.017073	86.763	-0.028045	1298.849	4672.78	10000	6525	645223.27	6071999
400	58.117971	86.662	-0.029818	1296.123	4674.27	10000	6500	645203.05	6071982
400	58.219090	86.561	-0.031666	1292.594	4674.84	10000	6475	645185.74	6071966
400	58.320431	86.460	-0.033588	1289.202	4675.44	10000	6450	645166.91	6071950
400	58.421994	86.358	-0.035585	1284.517	4676.19	10000	6425	645148.11	6071934
400	58.523779	86.256	-0.037658	1280.214	4676.91	10000	6400	645129.08	6071918
400	58.625785	86.154	-0.039805	1278.317	4677.18	10000	6375	645110.09	6071901
400	58.728014	86.052	-0.042027	1274.259	4677.92	10000	6350	645092.21	6071885
400	58.830465	85.950	-0.044325	1269.91	4678.58	10000	6325	645073.28	6071869
400	58.933137	85.847	-0.046698	1265.462	4679.29	10000	6300	645054.28	6071852
400	59.036032	85.744	-0.049147	1261.897	4679.86	10000	6275	645035.34	6071836
400	59.139149	85.641	-0.051672	1256.385	4680.69	10000	6250	645016.67	6071820
400	59.242488	85.538	-0.054272	1252.381	4681.37	10000	6225	644997.95	6071804
400	59.346050	85.434	-0.056948	1248.357	4682.04	10000	6200	644979.12	6071787
400	59.449834	85.330	-0.059700	1245.505	4682.55	10000	6175	644960.52	6071771

								gravity	base sta	X, Y & Z			
Survey area...		ASCOT 1-22 CLAIMS			Grid centre(N/S)..		9600	646120	6072869	1339.777			
Date (ddmmyy)...		10/6/96			Grid centre(E/W)..		7000	grid	centre	X, Y & Z			
Julian Date...		35344			Grid latitude...		54.780	645851	6072020	1361.457			
Operator...		JA			Grid Azimuth...		140						
Meter number...		G 199			Base Adjustment...		-224.92						
1st Base Value...		4400			Drift Rate...		0.00868						
2nd Base Value...		4400			DENSITY		2.65						
Bouguer Gravity Data Reduction:													Line Dist
Line		Station		Reading	Time	H.I.	Tide	Terrain	Range	Value	Factor	G Observed	to centre
Base Station #1													
		ASCOT		4374.5	9.22	0	0.014	0	4300	4546	1.05908	4624.915460	N/A
Base Station #2													
		ASCOT		4374.59	18.43	0	-0.09	0	4300	4546	1.05908	4624.906777	N/A
6225	E	10000	N	4391.69	10.43	0.290	0.01	0	4300	4546	1.05908	4643.206496	-775
6200	E	10000	N	4392.46	10.50	0.320	0.01	0	4300	4546	1.05908	4644.031241	-800
6175	E	10000	N	4393.03	11.01	0.090	0.01	0	4300	4546	1.05908	4644.563973	-825
6150	E	10000	N	4393.07	11.08	0.300	0.01	0	4300	4546	1.05908	4644.671111	-850
6125	E	10000	N	4393.75	11.16	0.240	0.00	0	4300	4546	1.05908	4645.362778	-875
6100	E	10000	N	4394.07	11.24	0.340	0.00	0	4300	4546	1.05908	4645.732529	-900
6075	E	10000	N	4394.22	11.30	0.330	0.00	0	4300	4546	1.05908	4645.888306	-925
6050	E	10000	N	4394.38	11.39	0.310	0.00	0	4300	4546	1.05908	4646.051590	-950
6025	E	10000	N	4394.64	11.47	0.230	0.00	0	4300	4546	1.05908	4646.302275	-975
6000	*E*	*10000*	*N*	*4394.75*	*11.55*	*0.320*	*-0.01*	*0*	*4300*	*4546*	*1.05908*	*4646.436534*	*-1000*
6000	E	9800	N	4394.47	12.49	0.310	-0.02	0	4300	4546	1.05908	4646.126907	-1000
6025	E	9800	N	4394.51	12.55	0.350	-0.02	0	4300	4546	1.05908	4646.181608	-975
6050	E	9800	N	4394.88	13.07	0.300	-0.03	0	4300	4546	1.05908	4646.548045	-950
6075	E	9800	N	4395.23	14.32	0.295	-0.05	0	4300	4546	1.05908	4646.897181	-925
6100	E	9800	N	4395.47	14.40	0.290	-0.06	0	4300	4546	1.05908	4647.139818	-900
6125	E	9800	N	4395.61	14.48	0.195	-0.06	0	4300	4546	1.05908	4647.258787	-875
6150	E	9800	N	4395.96	14.56	0.245	-0.06	0	4300	4546	1.05908	4647.644887	-850
6175	E	9800	N	4395.95	15.08	0.230	-0.07	0	4300	4546	1.05908	4647.619670	-825
6200	E	9800	N	4395.65	15.16	0.310	-0.07	0	4300	4546	1.05908	4647.326622	-800
6225	E	9800	N	4395.42	15.24	0.310	-0.07	0	4300	4546	1.05908	4647.083033	-775
6250	E	9800	N	4395.17	15.32	0.325	-0.07	0	4300	4546	1.05908	4646.822890	-750
6275	E	9800	N	4394.96	15.40	0.240	-0.07	0	4300	4546	1.05908	4646.574265	-725
6300	E	9800	N	4394.4	16.04	0.360	-0.07	0	4300	4546	1.05908	4646.018194	-700
6325	E	9800	N	4394.06	16.14	0.190	-0.07	0	4300	4546	1.05908	4645.605670	-675
6350	E	9800	N	4393.6	16.22	0.250	-0.08	0	4300	4546	1.05908	4645.127001	-650
6375	E	9800	N	4393.08	16.31	0.280	-0.08	0	4300	4546	1.05908	4644.585532	-625
6400	E	9800	N	4392.14	16.41	0.335	-0.08	0	4300	4546	1.05908	4643.606962	-600
6425	E	9800	N	4392.06	16.49	0.310	-0.08	0	4300	4546	1.05908	4643.514524	-575
6450	E	9800	N	4391.98	17.01	0.310	-0.08	0	4300	4546	1.05908	4643.429798	-550
6475	E	9800	N	4389.99	17.12	0.380	-0.08	0	4300	4546	1.05908	4641.343820	-525
6500	E	9800	N	4389.57	17.20	0.315	-0.08	0	4300	4546	1.05908	4640.878957	-500
6525	E	9800	N	4389.32	17.27	0.190	-0.08	0	4300	4546	1.05908	4640.575631	-475
6550	E	9800	N	4388.42	17.35	0.245	-0.09	0	4300	4546	1.05908	4639.629424	-450
6575	E	9800	N	4387.22	17.45	0.300	-0.09	0	4300	4546	1.05908	4638.375493	-425
6600	E	9800	N	4386.25	17.54	0.280	-0.09	0	4300	4546	1.05908	4637.342016	-400

Sta. Dist. to centre	Polar	Azimuth	Lat Corr	Elevation	Bouguer				
N/A	N/A	N/A	0		4624.92				
N/A	N/A	N/A	0		4624.91				
						Line	Station	X	Y
400	59.242491	85.538	-0.054272	1252.381	4681.44	10000	6225	644997.948	6071803.725
400	59.346052	85.434	-0.056948	1248.357	4682.14	10000	6200	644979.115	6071787.384
400	59.449836	85.330	-0.059700	1245.505	4682.59	10000	6175	644960.518	6071770.941
400	59.553843	85.226	-0.062528	1244.930	4682.68	10000	6150	644941.664	6071754.564
400	59.658071	85.122	-0.065432	1241.297	4683.26	10000	6125	644923.150	6071738.427
400	59.762523	85.017	-0.068413	1239.282	4683.58	10000	6100	644903.836	6071722.189
400	59.867196	84.913	-0.071470	1238.061	4683.70	10000	6075	644884.848	6071705.994
400	59.972092	84.808	-0.074604	1236.981	4683.83	10000	6050	644866.137	6071690.222
400	60.077211	84.703	-0.077815	1235.787	4684.05	10000	6025	644847.032	6071674.025
400	60.182552	84.597	-0.081103	1235.681	4684.18	10000	6000	644828.148	6071658.000
200	59.691853	85.088	-0.069836	1238.031	4683.93	9800	6000	644998.527	6071478.288
200	59.585474	85.195	-0.066686	1237.655	4683.97	9800	6025	645016.770	6071495.353
200	59.479326	85.301	-0.063612	1235.889	4684.28	9800	6050	645034.490	6071512.216
200	59.373409	85.407	-0.060615	1234.085	4684.57	9800	6075	645052.383	6071529.556
200	59.267724	85.512	-0.057695	1232.449	4684.76	9800	6100	645070.522	6071546.701
200	59.162270	85.618	-0.054852	1231.215	4684.84	9800	6125	645088.483	6071564.212
200	59.057047	85.723	-0.052085	1229.345	4685.17	9800	6150	645106.424	6071580.953
200	58.952056	85.828	-0.049394	1229.303	4685.14	9800	6175	645124.284	6071598.672
200	58.847295	85.933	-0.046778	1230.566	4684.88	9800	6200	645142.459	6071616.376
200	58.742766	86.037	-0.044239	1231.790	4684.67	9800	6225	645160.549	6071633.613
200	58.638467	86.142	-0.041775	1233.379	4684.46	9800	6250	645178.220	6071650.629
200	58.534400	86.246	-0.039386	1235.130	4684.26	9800	6275	645196.062	6071667.719
200	58.430563	86.349	-0.037073	1237.830	4683.79	9800	6300	645214.267	6071685.221
200	58.326958	86.453	-0.034834	1240.208	4683.44	9800	6325	645232.363	6071702.020
200	58.223582	86.556	-0.032670	1242.656	4683.04	9800	6350	645249.873	6071719.219
200	58.120438	86.660	-0.030581	1245.298	4682.57	9800	6375	645267.677	6071736.334
200	58.017524	86.762	-0.028567	1249.887	4681.73	9800	6400	645286.115	6071754.019
200	57.914840	86.865	-0.026627	1249.980	4681.64	9800	6425	645303.980	6071770.328
200	57.812386	86.968	-0.024761	1256.015	4681.74	9800	6450	645321.959	6071788.311
200	57.710163	87.070	-0.022969	1261.802	4679.83	9800	6475	645339.543	6071805.669
200	57.608169	87.172	-0.021251	1264.407	4679.44	9800	6500	645357.346	6071822.550
200	57.506405	87.274	-0.019607	1266.216	4679.19	9800	6525	645375.423	6071839.737
200	57.404871	87.375	-0.018037	1271.126	4678.39	9800	6550	645393.340	6071856.793
200	57.303567	87.476	-0.016541	1277.686	4677.34	9800	6575	645410.980	6071874.322
200	57.202492	87.578	-0.015118	1283.490	4676.48	9800	6600	645428.864	6071891.301

									gravity	base sta	X, Y & Z		
Survey area...	ASCOT 1-22 CLAIMS			**Grid centre(N/S)..**	9600				**646120.5**	**6072869.5**	**1339.777**		
Date (ddmmyy)..	10/7/96			**Grid centre(E/W)..**	7000				**grid**	**centre**	**X, Y & Z**		
Julian Date...	35345			**Grid latitude...**	54.78				**645850.9**	**6072019.5**	**1361.457**		
Operator...	JA			**Grid Azimuth...**	140.00								
Meter number...	G 199			**Base Adjustment...**	-224.94								
1st Base Value...	4400			**Drift Rate...**	0.0788								
2nd Base Value..	4400			**DENSITY**	2.65								

Bouguer Gravity Data Reduction:

Line		Station		Reading	Time	H.I.	Tide	Terrain	Range	Value	Factor	G Observed	Line Dist. to centre
Base Station #1													
		ASCOT		4374.53	9.25	0.000	0.01	0	4300	4546	1.05908	4624.943232	N/A
Base Station #2													
		ASCOT		4374.55	18.42	0.000	-0.09	0	4300	4546	1.05908	4624.864414	N/A
6550	E	9800	N	4388.35	10.06	0.215	0.01	0	4300	4546	1.05908	4639.646035	-450
6575	E	9800	N	4387.17	10.12	0.300	0.01	0	4300	4546	1.05908	4638.422539	-425
6600	E	9800	N	4386.21	10.21	0.200	0.01	0	4300	4546	1.05908	4637.374977	-400
6625	E	9800	N	4385.25	10.30	0.305	0.01	0	4300	4546	1.05908	4636.390647	-375
6650	E	9800	N	4384.42	10.38	0.260	0.01	0	4300	4546	1.05908	4635.497731	-350
6675	E	9800	N	4383.52	10.46	0.290	0.01	0	4300	4546	1.05908	4634.553812	-325
6700	E	9800	N	4382.57	10.55	0.295	0.01	0	4300	4546	1.05908	4633.549228	-300
6725	E	9800	N	4381.74	11.03	0.290	0.01	0	4300	4546	1.05908	4632.668650	-275
6750	E	9800	N	4380.83	11.10	0.235	0.01	0	4300	4546	1.05908	4631.687922	-250
6775	E	9800	N	4380.06	11.18	0.240	0.01	0	4300	4546	1.05908	4630.873973	-225
6800	E	9800	N	4379.28	11.35	0.270	0.01	0	4300	4546	1.05908	4630.057144	-200
6825	E	9800	N	4378.42	11.44	0.165	0.00	0	4300	4546	1.05908	4629.103948	-175
6850	E	9800	N	4377.70	11.53	0.200	0.00	0	4300	4546	1.05908	4628.352206	-150
6875	E	9800	N	4376.84	12.03	0.155	0.00	0	4300	4546	1.05908	4627.427517	-125
6900	E	9800	N	4375.92	12.11	0.280	0.00	0	4300	4546	1.05908	4626.491720	-100
6925	E	9800	N	4374.86	12.23	0.260	-0.01	0	4300	4546	1.05908	4625.352926	-75
6950	E	9800	N	4373.88	12.33	0.300	-0.01	0	4300	4546	1.05908	4624.327365	-50
6975	E	9800	N	4372.86	12.42	0.265	-0.01	0	4300	4546	1.05908	4623.236308	-25
7000	E	9800	N	4371.90	12.50	0.285	-0.01	0	4300	4546	1.05908	4622.225760	0
7025	E	9800	N	4370.85	13.00	0.300	-0.02	0	4300	4546	1.05908	4621.108353	25
7050	E	9800	N	4369.60	13.08	0.295	-0.02	0	4300	4546	1.05908	4619.782961	50
7075	E	9800	N	4369.63	13.51	0.390	-0.03	0	4300	4546	1.05908	4619.834036	75
7100	E	9800	N	4369.11	14.01	0.320	-0.04	0	4300	4546	1.05908	4619.251723	100
7125	E	9800	N	4369.64	14.11	0.320	-0.04	0	4300	4546	1.05908	4619.813035	125
7150	E	9800	N	4369.63	14.22	0.260	-0.04	0	4300	4546	1.05908	4619.783937	150
7175	E	9800	N	4369.80	14.33	0.390	-0.05	0	4300	4546	1.05908	4619.994080	175
7200	E	9800	N	4369.99	14.41	0.330	-0.05	0	4300	4546	1.05908	4620.176798	200
7225	E	9800	N	4369.80	14.49	0.300	-0.05	0	4300	4546	1.05908	4619.966319	225
7250	E	9800	N	4370.38	14.57	0.280	-0.05	0	4300	4546	1.05908	4620.574416	250
7275	E	9800	N	4371.38	15.08	0.225	-0.06	0	4300	4546	1.05908	4621.606532	275
7300	E	9800	N	4372.18	15.24	0.370	-0.06	0	4300	4546	1.05908	4622.498521	300
7325	E	9800	N	4372.77	15.32	0.345	-0.07	0	4300	4546	1.05908	4623.105667	325
7350	E	9800	N	4373.14	15.40	0.290	-0.07	0	4300	4546	1.05908	4623.480562	350
7375	E	9800	N	4373.48	15.49	0.320	-0.07	0	4300	4546	1.05908	4623.849902	375
7400	E	9800	N	4373.89	15.57	0.275	-0.07	0	4300	4546	1.05908	4624.270245	400
7425	E	9800	N	4374.19	16.09	0.300	-0.07	0	4300	4546	1.05908	4624.595680	425
7450	E	9800	N	4374.87	16.18	0.240	-0.07	0	4300	4546	1.05908	4625.297348	450
7475	E	9800	N	4375.84	16.33	0.300	-0.08	0	4300	4546	1.05908	4626.333162	475
7500	E	9800	N	4377.00	16.48	0.270	-0.08	0	4300	4546	1.05908	4627.552442	500
7525	E	9800	N	4378.47	17.01	0.200	-0.08	0	4300	4546	1.05908	4629.087698	525

Sta. Dist. to centre	Polar	Azimuth	Lat Corr	Elevation	Bouguer				
N/A	N/A	N/A	0.000000		4624.94				
N/A	N/A	N/A	0.000000		4624.86				
						Line	Station	X	Y
200	57.404944	87.375	-0.018037	1271.126	4678.34	9800	6550	645393.340	6071856.793
200	57.303639	87.476	-0.016541	1277.686	4677.31	9800	6575	645410.980	6071874.322
200	57.202564	87.577	-0.015119	1283.490	4676.44	9800	6600	645428.864	6071891.301
200	57.101719	87.678	-0.013770	1289.056	4675.63	9800	6625	645446.205	6071908.696
200	57.001102	87.779	-0.012495	1293.964	4674.88	9800	6650	645463.896	6071925.335
200	56.900715	87.879	-0.011294	1298.949	4674.09	9800	6675	645482.076	6071942.528
200	56.800556	87.979	-0.010167	1303.995	4673.24	9800	6700	645499.493	6071959.052
200	56.700626	88.079	-0.009115	1308.879	4672.50	9800	6725	645517.576	6071976.770
200	56.600925	88.179	-0.008136	1313.647	4671.67	9800	6750	645535.382	6071993.802
200	56.501451	88.279	-0.007233	1317.608	4670.97	9800	6775	645553.205	6072011.025
200	56.402206	88.378	-0.006404	1321.895	4670.28	9800	6800	645571.073	6072027.770
200	56.303189	88.477	-0.005650	1326.443	4669.47	9800	6825	645588.740	6072045.321
200	56.204399	88.576	-0.004970	1330.285	4668.83	9800	6850	645606.964	6072062.018
200	56.105837	88.674	-0.004365	1335.119	4668.05	9800	6875	645624.837	6072079.764
200	56.007502	88.772	-0.003831	1339.980	4667.27	9800	6900	645642.744	6072096.524
200	55.909394	88.871	-0.003367	1345.473	4666.29	9800	6925	645660.729	6072113.197
200	55.811513	88.968	-0.002968	1350.554	4665.42	9800	6950	645678.527	6072130.587
200	55.713859	89.066	-0.002627	1355.967	4664.50	9800	6975	645696.493	6072148.102
200	55.616431	89.164	-0.002335	1361.067	4663.64	9800	7000	645714.812	6072164.984
200	55.519229	89.261	-0.002080	1366.563	4662.69	9800	7025	645732.808	6072182.168
200	55.422253	89.358	-0.001848	1372.840	4661.56	9800	7050	645750.509	6072199.296
200	55.325504	89.454	-0.001626	1373.338	4661.62	9800	7075	645802.032	6072239.626
200	55.228979	89.551	-0.001401	1375.684	4661.11	9800	7100	645786.971	6072233.419
200	55.132680	89.647	-0.001161	1373.385	4661.60	9800	7125	645805.299	6072250.766
200	55.036606	89.743	-0.000895	1373.622	4661.58	9800	7150	645822.802	6072267.906
200	54.940756	89.839	-0.000596	1372.760	4661.76	9800	7175	645841.462	6072284.628
200	54.845131	89.935	-0.000257	1371.765	4661.91	9800	7200	645859.563	6072301.674
200	54.749731	90.030	0.000127	1372.523	4661.73	9800	7225	645877.738	6072318.876
200	54.654554	90.125	0.000561	1369.484	4662.24	9800	7250	645895.622	6072335.704
200	54.559601	90.220	0.001046	1364.716	4663.13	9800	7275	645913.797	6072352.552
200	54.464872	90.315	0.001586	1360.808	4663.90	9800	7300	645932.049	6072369.967
200	54.370366	90.410	0.002182	1357.847	4664.42	9800	7325	645952.634	6072389.622
200	54.276082	90.504	0.002836	1356.446	4664.75	9800	7350	645968.287	6072404.042
200	54.182022	90.598	0.003547	1354.752	4665.07	9800	7375	645986.545	6072421.609
200	54.088184	90.692	0.004319	1352.991	4665.43	9800	7400	646005.011	6072438.589
200	53.994567	90.785	0.005150	1351.877	4665.72	9800	7425	646023.084	6072455.855
200	53.901173	90.879	0.006041	1349.143	4666.34	9800	7450	646040.497	6072472.964
200	53.808000	90.972	0.006992	1346.874	4667.31	9800	7475	646059.716	6072490.754
200	53.715048	91.065	0.008005	1344.588	4668.46	9800	7500	646077.695	6072508.016
200	53.622317	91.158	0.009078	1342.641	4669.93	9800	7525	646095.417	6072525.123

Survey area...	ASCOT 1-22 CLAIMS			Grid centre(N/S)..	9600.00								
Date (ddmmyy)...	35346			Grid centre(E/W)..	7000.00			gravity	base sta	X, Y & Z			
Julian Date...	35346			Grid latitude...	54.78			646120.5	6072869	1339.777			
Operator...	JA			Grid Azimuth...	140.00			grid	centre	X, Y & Z			
Meter number...	G 199			Base Adjustment...	-224.92			645850.9	6072020	1361.457			
1st Base Value...	4400			Drift Rate...	0.01								
2nd Base Value...	4400			DENSITY	2.65								
Bouguer Gravity Data Reduction:													Line Dist.
Line		Station		Reading	Time	H.I.	Tide	Terrain	Range	Value	Factor	G Observed	to centre
Base Station #1		ASCOT		4374.51	9.16	0.000	0.01	0	4300	4546	1.059080	4624.922051	N/A
Base Station #2													
		ASCOT		4374.60	18.04	0.000	-0.10	0	4300	4546	1.059080	4624.907368	N/A
7475	E	9800	N	4374.80	9.39	0.285	-0.01	0	4300	4546	1.059080	4625.297092	475
7500	E	9800	N	4375.27	9.50	0.190	0.00	0	4300	4546	1.059080	4625.775557	500
7525	E	9800	N	4375.69	10.01	0.150	0.00	0	4300	4546	1.059080	4626.208033	525
7550	E	9800	N	4375.88	10.08	0.330	0.00	0	4300	4546	1.059080	4626.464779	550
7575	E	9800	N	4376.54	10.16	0.305	0.00	0	4300	4546	1.059080	4627.156060	575
7600	E	9800	N	4377.32	10.24	0.280	0.00	0	4300	4546	1.059080	4627.974432	600
7625	E	9800	N	4377.32	10.33	0.310	0.00	0	4300	4546	1.059080	4627.983685	625
7650	E	9800	N	4375.93	10.42	0.320	0.00	0	4300	4546	1.059080	4626.514648	650
7675	E	9800	N	4375.96	10.52	0.245	0.00	0	4300	4546	1.059080	4626.523287	675
7700	E	9800	N	4376.68	11.00	0.310	0.01	0	4300	4546	1.059080	4627.315874	700
7725	E	9800	N	4376.58	11.12	0.340	0.01	0	4300	4546	1.059080	4627.219219	725
7750	E	9800	N	4376.07	11.20	0.290	0.00	0	4300	4546	1.059080	4626.653666	750
7775	E	9800	N	4376.00	11.28	0.230	0.00	0	4300	4546	1.059080	4626.561024	775
7800	E	9800	N	4375.73	11.36	0.270	0.00	0	4300	4546	1.059080	4626.287410	800
7825	E	9800	N	4375.54	11.45	0.205	0.00	0	4300	4546	1.059080	4626.066135	825
7850	E	9800	N	4375.39	11.55	0.245	0.00	0	4300	4546	1.059080	4625.919611	850
7875	E	9800	N	4375.21	12.03	0.210	0.00	0	4300	4546	1.059080	4625.718181	875
7900	E	9800	N	4375.24	12.10	0.315	0.00	0	4300	4546	1.059080	4625.782341	900
7925	E	9800	N	4375.01	12.23	0.185	0.00	0	4300	4546	1.059080	4625.498654	925
7950	E	9800	N	4374.63	12.33	0.230	-0.01	0	4300	4546	1.059080	4625.100084	950
7975	E	9800	N	4374.18	12.42	0.230	-0.01	0	4300	4546	1.059080	4624.623498	975
8000	E	9800	N	4373.73	12.52	0.280	-0.01	0	4300	4546	1.059080	4624.162334	1000
8000	E	9600	N	4368.11	13.51	0.200	-0.03	0	4300	4546	1.059080	4618.165629	1000
7975	E	9600	N	4368.74	14.05	0.220	-0.03	0	4300	4546	1.059080	4618.839018	975
7950	E	9600	N	4369.82	14.13	0.240	-0.04	0	4300	4546	1.059080	4619.978994	950
7925	E	9600	N	4370.18	14.19	0.310	-0.04	0	4300	4546	1.059080	4620.381854	925
7900	E	9600	N	4369.99	14.26	0.230	-0.04	0	4300	4546	1.059080	4620.155953	900
7875	E	9600	N	4370.35	14.36	0.220	-0.04	0	4300	4546	1.059080	4620.534137	875
7850	E	9600	N	4370.88	14.43	0.260	-0.05	0	4300	4546	1.059080	4621.097787	850
7825	E	9600	N	4371.42	14.50	0.230	-0.05	0	4300	4546	1.059080	4621.660437	825
7800	E	9600	N	4372.06	15.08	0.260	-0.05	0	4300	4546	1.059080	4622.347502	800
7775	E	9600	N	4373.19	15.18	0.280	-0.06	0	4300	4546	1.059080	4623.540431	775
7750	E	9600	N	4373.65	15.26	0.120	-0.06	0	4300	4546	1.059080	4623.978256	750
7725	E	9600	N	4374.09	15.33	0.200	-0.06	0	4300	4546	1.059080	4624.468927	725
7700	E	9600	N	4374.26	15.41	0.240	-0.06	0	4300	4546	1.059080	4624.661309	700
7675	E	9600	N	4374.77	15.49	0.210	-0.06	0	4300	4546	1.059080	4625.192186	675
7650	E	9600	N	4374.57	15.58	0.120	-0.07	0	4300	4546	1.059080	4624.942610	650
7625	E	9600	N	4374.42	16.07	0.150	-0.07	0	4300	4546	1.059080	4624.793001	625
7600	E	9600	N	4374.43	16.16	0.210	-0.07	0	4300	4546	1.059080	4624.822099	600
7575	E	9600	N	4374.49	16.24	0.250	-0.07	0	4300	4546	1.059080	4624.897982	575
7550	E	9600	N	4374.36	16.32	0.155	-0.08	0	4300	4546	1.059080	4624.720999	550
7525	E	9600	N	4375.13	16.48	0.245	-0.08	0	4300	4546	1.059080	4625.564251	525
7500	E	9600	N	4376.07	16.55	0.260	-0.08	0	4300	4546	1.059080	4626.564413	500
7475	E	9600	N	4376.88	17.02	0.290	-0.08	0	4300	4546	1.059080	4627.431521	475
7450	E	9600	N	4378.35	17.12	0.300	-0.09	0	4300	4546	1.059080	4628.981453	450
7425	E	9600	N	4378.27	17.23	0.230	-0.09	0	4300	4546	1.059080	4628.875135	425
7400	E	9600	N	4375.87	17.36	0.315	-0.09	0	4300	4546	1.059080	4626.359561	400
7375	E	9600	N	4374.77	17.46	0.285	-0.09	0	4300	4546	1.059080	4625.185320	375

Sta. Dist. to centre	Polar	Azimuth	Lat Corr	Elevation	Bouguer	Line	Station	X	Y
N/A	N/A	N/A	0.000000		4624.92				
N/A	N/A	N/A	0.000000		4624.91				
200	53.807942	90.972	0.006993	1346.874	4666.83	9800	7475	646059.716	6072490.754
200	53.714990	91.065	0.008005	1344.588	4667.24	9800	7500	646077.695	6072508.016
200	53.622259	91.158	0.009079	1342.641	4667.61	9800	7525	646095.417	6072525.123
200	53.529749	91.250	0.010213	1341.198	4667.82	9800	7550	646113.664	6072542.533
200	53.437459	91.343	0.011408	1338.293	4668.42	9800	7575	646131.989	6072559.578
200	53.345389	91.435	0.012664	1333.833	4669.10	9800	7600	646149.937	6072576.769
200	53.253539	91.526	0.013981	1332.751	4669.08	9800	7625	646168.557	6072593.956
200	53.161908	91.618	0.015359	1340.439	4667.85	9800	7650	646188.519	6072612.858
200	53.070496	91.710	0.016797	1340.524	4667.85	9800	7675	646206.421	6072629.957
200	52.979302	91.801	0.018296	1336.667	4668.53	9800	7700	646225.177	6072647.326
200	52.888327	91.892	0.019856	1337.246	4668.45	9800	7725	646243.247	6072664.128
200	52.797571	91.982	0.021475	1339.977	4667.96	9800	7750	646261.612	6072681.638
200	52.707031	92.073	0.023155	1340.387	4667.88	9800	7775	646279.658	6072699.394
200	52.616710	92.163	0.024895	1341.506	4667.64	9800	7800	646297.911	6072716.731
200	52.526605	92.253	0.026695	1342.295	4667.44	9800	7825	646316.236	6072733.853
200	52.436717	92.343	0.028554	1342.681	4667.31	9800	7850	646334.401	6072751.355
200	52.347046	92.433	0.030473	1343.398	4667.12	9800	7875	646352.580	6072768.606
200	52.257590	92.522	0.032452	1343.715	4667.20	9800	7900	646370.359	6072785.294
200	52.168350	92.612	0.034489	1345.038	4666.95	9800	7925	646388.952	6072802.809
200	52.079326	92.701	0.036585	1347.058	4666.61	9800	7950	646406.895	6072819.786
200	51.990517	92.789	0.038740	1349.189	4666.20	9800	7975	646425.008	6072837.359
200	51.901922	92.878	0.040953	1351.319	4665.80	9800	8000	646442.595	6072854.013
0	51.339970	93.440	0.047990	1381.348	4660.73	9600	8000	646572.344	6072711.028
0	51.428977	93.351	0.045581	1378.384	4661.31	9600	7975	646554.500	6072693.618
0	51.518206	93.262	0.043231	1373.101	4662.29	9600	7950	646537.173	6072676.425
0	51.607656	93.172	0.040940	1370.963	4662.63	9600	7925	646519.158	6072659.221
0	51.697328	93.083	0.038709	1370.974	4662.40	9600	7900	646501.015	6072641.589
0	51.787222	92.993	0.036537	1370.479	4662.77	9600	7875	646482.854	6072623.880
0	51.877338	92.903	0.034425	1367.582	4663.25	9600	7850	646464.812	6072606.560
0	51.967678	92.812	0.032374	1364.406	4663.71	9600	7825	646447.038	6072589.329
0	52.058241	92.722	0.030383	1360.854	4664.29	9600	7800	646428.418	6072572.183
0	52.149028	92.631	0.028452	1355.020	4665.31	9600	7775	646411.179	6072554.096
0	52.240039	92.540	0.026583	1352.744	4665.68	9600	7750	646393.338	6072536.737
0	52.331274	92.449	0.024774	1350.594	4666.10	9600	7725	646375.573	6072519.692
0	52.422734	92.357	0.023027	1349.583	4666.27	9600	7700	646357.462	6072502.288
0	52.514420	92.266	0.021341	1346.972	4666.72	9600	7675	646339.480	6072484.414
0	52.606331	92.174	0.019718	1347.979	4666.50	9600	7650	646321.597	6072467.437
0	52.698468	92.082	0.018156	1348.803	4666.38	9600	7625	646303.466	6072449.820
0	52.790832	91.989	0.016657	1348.901	4666.41	9600	7600	646285.279	6072432.152
0	52.883422	91.897	0.015220	1348.938	4666.49	9600	7575	646266.945	6072414.686
0	52.976239	91.804	0.013846	1349.530	4666.33	9600	7550	646249.144	6072397.549
0	53.069283	91.711	0.012535	1344.983	4667.04	9600	7525	646231.277	6072379.754
0	53.162555	91.617	0.011287	1339.798	4667.88	9600	7500	646213.502	6072362.993
0	53.256055	91.524	0.010103	1335.014	4668.60	9600	7475	646195.434	6072344.743
0	53.349784	91.430	0.008983	1325.309	4669.85	9600	7450	646176.579	6072326.657
0	53.443741	91.336	0.007927	1325.278	4669.75	9600	7425	646158.528	6072309.094
0	53.537928	91.242	0.006935	1339.371	4667.67	9600	7400	646141.245	6072292.613
0	53.632343	91.148	0.006007	1346.206	4666.70	9600	7375	646122.838	6072275.787

										gravity	base sta	X, Y & Z		
Survey area...	ASCOT 1-22 CLAIMS			Grid centre(N/S)..	9600.00				646120.5	6072869	1339.777		
Date (ddmmyy)...	35347			Grid centre(E/W)..	7000.00				grid	centre	X, Y & Z		
Julian Date...	35347			Grid latitude...	54.78				645850.9	6072020	1361.457		
Operator...	JA			Grid Azimuth...	140.00								
Meter number...	G 199			Base Adjustment...	-224.89								
1st Base Value...	4400			Drift Rate...	-0.02								
2nd Base Value...	4400			DENSITY	2.65								
Bouguer Gravity Data Reduction:													Line Dist.
Line		Station		Reading	Time	H.I.	Tide	Terrain	Range	Value	Factor	G Observed	to centre
Base Station #1													
		ASCOT		4374.51	9.31	0.000	-0.02	0	4300	4546	1.05908	4624.892051	N/A
Base Station #2													
		ASCOT		4374.60	18.33	0.000	-0.10	0	4300	4546	1.05908	4624.907368	N/A
7400	E	9600	N	4375.80	9.55	0.300	-0.02	0	4300	4546	1.05908	4626.350799	400
7375	E	9600	N	4374.69	9.46	0.285	-0.02	0	4300	4546	1.05908	4625.170593	375
7350	E	9600	N	4374.19	10.04	0.280	-0.02	0	4300	4546	1.05908	4624.639511	350
7325	E	9600	N	4373.79	10.12	0.280	-0.01	0	4300	4546	1.05908	4624.225879	325
7300	E	9600	N	4373.77	10.20	0.355	-0.01	0	4300	4546	1.05908	4624.227831	300
7275	E	9600	N	4373.27	10.41	0.330	-0.01	0	4300	4546	1.05908	4623.690580	275
7250	E	9600	N	4372.85	10.50	0.265	-0.01	0	4300	4546	1.05908	4623.225717	250
7225	E	9600	N	4372.34	10.57	0.305	-0.01	0	4300	4546	1.05908	4622.697924	225
7200	E	9600	N	4371.94	11.05	0.295	-0.01	0	4300	4546	1.05908	4622.271208	200
7175	E	9600	N	4371.95	11.32	0.290	0.00	0	4300	4546	1.05908	4622.290257	175
7150	E	9600	N	4371.89	11.44	0.250	0.00	0	4300	4546	1.05908	4622.214374	150
7125	E	9600	N	4372.14	11.52	0.290	0.00	0	4300	4546	1.05908	4622.491482	125
7100	E	9600	N	4372.34	12.03	0.300	0.00	0	4300	4546	1.05908	4622.706382	100
7075	E	9600	N	4373.18	12.12	0.230	0.00	0	4300	4546	1.05908	4623.574418	75
7050	E	9600	N	4371.94	12.22	0.160	-0.01	0	4300	4546	1.05908	4622.229567	50
7025	E	9600	N	4371.35	12.31	0.220	-0.01	0	4300	4546	1.05908	4621.623217	25
7000	E	9600	N	4371.66	12.38	0.210	-0.01	0	4300	4546	1.05908	4621.948447	0
6975	E	9600	N	4372.28	12.47	0.305	-0.01	0	4300	4546	1.05908	4622.634380	-25
6950	E	9600	N	4373.44	12.56	0.220	-0.01	0	4300	4546	1.05908	4623.836694	-50
6925	E	9600	N	4374.89	13.06	0.250	-0.01	0	4300	4546	1.05908	4625.381614	-75
6900	E	9600	N	4375.78	13.46	0.270	-0.02	0	4300	4546	1.05908	4626.320364	-100
6875	E	9600	N	4376.49	13.56	0.275	-0.02	0	4300	4546	1.05908	4627.073853	-125
6850	E	9600	N	4377.56	14.07	0.340	-0.03	0	4300	4546	1.05908	4628.217118	-150
6825	E	9600	N	4378.32	14.17	0.165	-0.03	0	4300	4546	1.05908	4628.968040	-175
6800	E	9600	N	4378.99	14.25	0.290	-0.03	0	4300	4546	1.05908	4629.716180	-200
6775	E	9600	N	4379.95	14.34	0.240	-0.04	0	4300	4546	1.05908	4630.707474	-225
6750	E	9600	N	4380.87	14.41	0.195	-0.04	0	4300	4546	1.05908	4631.667947	-250
6725	E	9600	N	4381.92	14.50	0.230	-0.04	0	4300	4546	1.05908	4632.790777	-275
6700	E	9600	N	4382.94	14.59	0.290	-0.04	0	4300	4546	1.05908	4633.889546	-300
6675	E	9600	N	4383.50	15.07	0.290	-0.05	0	4300	4546	1.05908	4634.472631	-325
6650	E	9600	N	4384.01	15.23	0.235	-0.06	0	4300	4546	1.05908	4634.985797	-350
6625	E	9600	N	4384.80	15.33	0.195	-0.06	0	4300	4546	1.05908	4635.810132	-375
6600	E	9600	N	4385.37	15.42	0.270	-0.06	0	4300	4546	1.05908	4636.436941	-400
6575	E	9600	N	4386.02	15.50	0.220	-0.06	0	4300	4546	1.05908	4637.109921	-425
6550	E	9600	N	4386.89	16.00	0.270	-0.07	0	4300	4546	1.05908	4638.036743	-450
6525	E	9600	N	4387.83	16.10	0.255	-0.07	0	4300	4546	1.05908	4639.027651	-475
6500	E	9600	N	4388.68	16.34	0.190	-0.08	0	4300	4546	1.05908	4639.897820	-500
6475	E	9600	N	4389.30	16.42	0.260	-0.08	0	4300	4546	1.05908	4640.576041	-525
6450	E	9600	N	4389.82	16.51	0.250	-0.08	0	4300	4546	1.05908	4641.123678	-550
6425	E	9600	N	4390.34	16.59	0.240	-0.08	0	4300	4546	1.05908	4641.671315	-575
6400	E	9600	N	4390.97	17.09	0.205	-0.08	0	4300	4546	1.05908	4642.327740	-600
6375	E	9600	N	4391.50	17.17	0.210	-0.08	0	4300	4546	1.05908	4642.890595	-625
6350	E	9600	N	4392.00	17.26	0.220	-0.09	0	4300	4546	1.05908	4643.413219	-650
6325	E	9600	N	4392.05	17.35	0.245	-0.09	0	4300	4546	1.05908	4643.473884	-675

Sta. Dist. to centre	Polar	Azimuth	Lat Corr	Elevation	Bouguer	Line	Station	X	Y
N/A	N/A	N/A	0.000000		4624.89				
N/A	N/A	N/A	0.000000		4624.91				
0	53.537844	91.242	0.006935	1339.371	4668.78	9600	7400	646141.245	6072292.613
0	53.632260	91.148	0.006008	1346.206	4667.82	9600	7375	646122.838	6072275.787
0	53.726905	91.053	0.005145	1349.238	4667.38	9600	7350	646104.655	6072258.641
0	53.821781	90.958	0.004347	1351.303	4667.03	9600	7325	646088.154	6072242.688
0	53.916887	90.863	0.003614	1351.271	4667.04	9600	7300	646070.120	6072225.542
0	54.012223	90.768	0.002947	1353.470	4666.57	9600	7275	646051.944	6072208.451
0	54.107791	90.672	0.002346	1355.411	4666.17	9600	7250	646033.304	6072191.327
0	54.203589	90.576	0.001810	1358.386	4665.73	9600	7225	646015.351	6072173.967
0	54.299620	90.480	0.001341	1360.139	4665.36	9600	7200	645997.027	6072156.323
0	54.395882	90.384	0.000938	1360.572	4665.40	9600	7175	645979.026	6072139.813
0	54.492376	90.288	0.000602	1360.835	4665.33	9600	7150	645960.585	6072122.771
0	54.589103	90.191	0.000333	1359.254	4665.56	9600	7125	645942.533	6072105.595
0	54.686063	90.094	0.000131	1357.952	4665.73	9600	7100	645924.460	6072088.545
0	54.783255	89.997	-0.000003	1353.890	4666.47	9600	7075	645906.043	6072071.326
0	54.880681	89.899	-0.000070	1360.349	4665.33	9600	7050	645887.930	6072054.303
0	54.978341	89.802	-0.000069	1362.883	4664.80	9600	7025	645869.508	6072037.250
0	55.076234	89.704	0.000000	1361.457	4665.08	9600	7000	645850.895	6072019.531
0	55.174361	89.606	-0.000138	1358.173	4665.66	9600	6975	645832.549	6072002.662
0	55.272723	89.507	-0.000344	1352.114	4666.68	9600	6950	645813.841	6071985.736
0	55.371320	89.409	-0.000619	1344.885	4667.99	9600	6925	645795.414	6071968.227
0	55.470151	89.310	-0.000963	1340.535	4668.79	9600	6900	645777.357	6071951.969
0	55.569218	89.211	-0.001377	1336.664	4669.42	9600	6875	645759.269	6071934.837
0	55.668520	89.111	-0.001860	1331.066	4670.39	9600	6850	645740.466	6071917.959
0	55.768057	89.012	-0.002414	1327.347	4671.02	9600	6825	645722.122	6071900.636
0	55.867831	88.912	-0.003037	1323.555	4671.65	9600	6800	645704.174	6071883.970
0	55.967840	88.812	-0.003730	1318.714	4672.49	9600	6775	645685.782	6071867.254
0	56.068086	88.712	-0.004495	1313.612	4673.29	9600	6750	645667.252	6071850.419
0	56.168569	88.611	-0.005330	1308.133	4674.24	9600	6725	645648.733	6071833.656
0	56.269288	88.511	-0.006236	1302.763	4675.17	9600	6700	645631.033	6071816.648
0	56.370244	88.410	-0.007213	1299.704	4675.66	9600	6675	645612.603	6071799.633
0	56.471437	88.309	-0.008262	1296.961	4676.09	9600	6650	645594.399	6071782.764
0	56.572868	88.207	-0.009383	1292.934	4676.78	9600	6625	645575.906	6071765.039
0	56.674537	88.105	-0.010576	1289.397	4677.30	9600	6600	645556.786	6071749.078
0	56.776443	88.004	-0.011842	1285.492	4677.85	9600	6575	645539.710	6071731.787
0	56.878587	87.901	-0.013179	1280.478	4678.62	9600	6550	645521.129	6071715.165
0	56.980970	87.799	-0.014590	1274.938	4679.44	9600	6525	645502.497	6071697.855
0	57.083590	87.696	-0.016073	1270.154	4680.16	9600	6500	645484.329	6071681.514
0	57.186449	87.594	-0.017630	1266.186	4680.71	9600	6475	645466.356	6071664.229
0	57.289547	87.490	-0.019261	1262.603	4681.15	9600	6450	645447.766	6071647.346
0	57.392884	87.387	-0.020965	1259.221	4681.59	9600	6425	645429.417	6071630.498
0	57.496460	87.284	-0.022743	1255.168	4682.12	9600	6400	645411.258	6071613.240
0	57.600275	87.180	-0.024595	1251.937	4682.58	9600	6375	645393.073	6071595.958
0	57.704329	87.076	-0.026522	1248.863	4683.01	9600	6350	645374.257	6071579.304
0	57.808623	86.971	-0.028523	1247.624	4683.03	9600	6325	645356.198	6071561.140

									gravity	base sta	X, Y & Z		
Survey area...	ASCOT 1-22 CLAIMS			**Grid centre(N/S)..**		9200.00			**646120**	**6072869**	**1339.777**		
Date (ddmmyy)...	10/10/96			**Grid centre(E/W)..**		7000.00			**grid**	**centre**	**X, Y & Z**		
Julian Date...	35348			**Grid latitude...**		54.78			**645851**	**6072020**	**1361.457**		
Operator...	JA			**Grid Azimuth...**		140.00							
Meter number...	G 199			**Base Adjustment...**		-224.90							
1st Base Value...	4400			**Drift Rate...**		0.01							
2nd Base Value...	4400			**DENSITY**		2.65							

Bouguer Gravity Data Reduction:													**Line Dist.**
Line		**Station**		**Reading**	**Time**	**H.I.**	**Tide**	**Terrain**	**Range**	**Value**	**Factor**	**G Observed**	**to centre**
Base Station #1													
		ASCOT		4374.54	9.38	0.000	-0.04	0	4300	4546	1.05908	4624.903823	N/A
Base Station #2													
		ASCOT		4374.59	18.29	0.000	-0.10	0	4300	4546	1.05908	4624.896777	N/A
6375	E	9600	N	4391.49	10.41	0.195	-0.02	0	4300	4546	1.05908	4642.935377	-625
6350	E	9600	N	4391.96	10.48	0.195	-0.02	0	4300	4546	1.05908	4643.433145	-650
6325	E	9600	N	4392.03	10.54	0.240	-0.02	0	4300	4546	1.05908	4643.521160	-675
6300	E	9600	N	4393.16	11.04	0.285	-0.02	0	4300	4546	1.05908	4644.731801	-700
6275	E	9600	N	4394.29	11.12	0.220	-0.02	0	4300	4546	1.05908	4645.908512	-725
6250	E	9600	N	4394.99	11.19	0.185	-0.02	0	4300	4546	1.05908	4646.639072	-750
6225	E	9600	N	4395.55	11.35	0.165	-0.01	0	4300	4546	1.05908	4647.235988	-775
6200	E	9600	N	4396.19	11.45	0.240	-0.01	0	4300	4546	1.05908	4647.936933	-800
6175	E	9600	N	4396.51	11.53	0.275	-0.01	0	4300	4546	1.05908	4648.286635	-825
6150	E	9600	N	4396.53	12.03	0.340	-0.01	0	4300	4546	1.05908	4648.327865	-850
6125	E	9600	N	4396.62	12.11	0.230	-0.01	0	4300	4546	1.05908	4648.389253	-875
6100	E	9600	N	4396.91	12.20	0.195	-0.01	0	4300	4546	1.05908	4648.685591	-900
6075	E	9600	N	4396.85	12.28	0.335	-0.01	0	4300	4546	1.05908	4648.665229	-925
6050	E	9600	N	4396.90	12.35	0.300	-0.01	0	4300	4546	1.05908	4648.707387	-950
6025	E	9600	N	4396.98	12.43	0.140	-0.01	0	4300	4546	1.05908	4648.742761	-975
6000	E	9600	N	4396.94	12.51	0.160	-0.01	0	4300	4546	1.05908	4648.706567	-1000
6000	E	9400	N	4396.94	13.59	0.170	-0.02	0	4300	4546	1.05908	4648.699652	-1000
6025	E	9400	N	4397.70	14.07	0.350	-0.03	0	4300	4546	1.05908	4649.550074	-975
6050	E	9400	N	4397.48	14.14	0.280	-0.03	0	4300	4546	1.05908	4649.295484	-950
6075	E	9400	N	4397.11	14.23	0.370	-0.03	0	4300	4546	1.05908	4648.931385	-925
6100	E	9400	N	4396.79	14.32	0.350	-0.04	0	4300	4546	1.05908	4648.576311	-900
6125	E	9400	N	4395.83	14.41	0.330	-0.04	0	4300	4546	1.05908	4647.553425	-875
6150	E	9400	N	4395.66	14.51	0.255	-0.04	0	4300	4546	1.05908	4647.350248	-850
6175	E	9400	N	4395.43	15.00	0.275	-0.05	0	4300	4546	1.05908	4647.102828	-825
6200	E	9400	N	4395.72	15.08	0.350	-0.05	0	4300	4546	1.05908	4647.433095	-800
6225	E	9400	N	4395.78	15.18	0.440	-0.05	0	4300	4546	1.05908	4647.524400	-775
6250	E	9400	N	4395.67	15.32	0.240	-0.06	0	4300	4546	1.05908	4647.336212	-750
6275	E	9400	N	4395.49	15.48	0.300	-0.06	0	4300	4546	1.05908	4647.164084	-725
6300	E	9400	N	4394.65	16.00	0.220	-0.06	0	4300	4546	1.05908	4646.249781	-700
6325	E	9400	N	4394.54	16.11	0.290	-0.06	0	4300	4546	1.05908	4646.154874	-675
6350	E	9400	N	4393.99	16.29	0.315	-0.06	0	4300	4546	1.05908	4645.580091	-650
6375	E	9400	N	4392.92	16.37	0.260	-0.06	0	4300	4546	1.05908	4644.429911	-625
6400	E	9400	N	4391.94	16.47	0.220	-0.06	0	4300	4546	1.05908	4643.379674	-600
6425	E	9400	N	4391.19	16.57	0.195	-0.06	0	4300	4546	1.05908	4642.577653	-575
6450	E	9400	N	4390.08	17.06	0.040	-0.07	0	4300	4546	1.05908	4641.344264	-550
6475	E	9400	N	4388.85	17.16	0.170	-0.07	0	4300	4546	1.05908	4640.081695	-525
6500	E	9400	N	4387.91	17.26	0.170	-0.07	0	4300	4546	1.05908	4639.086159	-500
6525	E	9400	N	4387.09	17.35	0.180	-0.07	0	4300	4546	1.05908	4638.220798	-475

Sta. Dist. to centre	Polar	Azimuth	Lat Corr	Elevation	Bouguer				
N/A	N/A	N/A	0.000000		4624.90				
N/A	N/A	N/A	0.000000		4624.90				
400	57.600306	87.180	-0.029201	1251.937	4682.63	9600	6375	645393.073	6071595.958
400	57.704360	87.076	-0.031142	1248.863	4683.03	9600	6350	645374.257	6071579.304
400	57.808653	86.971	-0.033156	1247.624	4683.08	9600	6325	645356.198	6071561.140
400	57.913187	86.867	-0.035243	1241.705	4684.11	9600	6300	645337.453	6071544.834
400	58.017959	86.762	-0.037405	1235.617	4685.09	9600	6275	645319.802	6071527.921
400	58.122972	86.657	-0.039642	1231.912	4685.71	9600	6250	645301.434	6071511.063
400	58.228225	86.552	-0.041954	1229.156	4686.22	9600	6225	645283.369	6071494.010
400	58.333717	86.446	-0.044340	1225.687	4686.81	9600	6200	645265.005	6071476.995
400	58.439450	86.341	-0.046803	1223.878	4687.11	9600	6175	645247.436	6071459.325
400	58.545423	86.235	-0.049341	1223.788	4687.15	9600	6150	645229.157	6071442.007
400	58.651637	86.128	-0.051956	1223.371	4687.20	9600	6125	645210.934	6071425.162
400	58.758090	86.022	-0.054646	1221.876	4687.45	9600	6100	645192.961	6071408.308
400	58.864785	85.915	-0.057414	1221.947	4687.44	9600	6075	645175.151	6071390.488
400	58.971720	85.808	-0.060259	1221.748	4687.48	9600	6050	645157.129	6071373.288
400	59.078895	85.701	-0.063181	1221.443	4687.50	9600	6025	645138.928	6071356.000
400	59.186311	85.594	-0.066180	1221.587	4687.48	9600	6000	645120.561	6071338.837
200	58.665388	86.115	-0.055267		4648.75	9400	6000		
200	58.556938	86.223	-0.052436		4649.60	9400	6025		
200	58.448739	86.331	-0.049683		4649.35	9400	6050		
200	58.340790	86.439	-0.047009		4648.98	9400	6075		
200	58.233092	86.547	-0.044412		4648.62	9400	6100		
200	58.125643	86.654	-0.041894		4647.60	9400	6125		
200	58.018445	86.762	-0.039453		4647.39	9400	6150		
200	57.911496	86.869	-0.037089		4647.14	9400	6175		
200	57.804797	86.975	-0.034802		4647.47	9400	6200		
200	57.698348	87.082	-0.032591		4647.56	9400	6225		
200	57.592148	87.188	-0.030457		4647.37	9400	6250		
200	57.486198	87.294	-0.028400		4647.19	9400	6275		
200	57.380497	87.400	-0.026418		4646.28	9400	6300		
200	57.275045	87.505	-0.024511		4646.18	9400	6325		
200	57.169841	87.610	-0.022680		4645.60	9400	6350		
200	57.064887	87.715	-0.020924		4644.45	9400	6375		
200	56.960181	87.820	-0.019243		4643.40	9400	6400		
200	56.855723	87.924	-0.017636		4642.60	9400	6425		
200	56.751513	88.028	-0.016103		4641.36	9400	6450		
200	56.647551	88.132	-0.014643		4640.10	9400	6475		
200	56.543837	88.236	-0.013257		4639.10	9400	6500		
200	56.440371	88.340	-0.011943		4638.23	9400	6525		

									gravity	base sta	X, Y & Z	
Survey area...	ASCOT 1-22 CLAIMS		**Grid centre(N/S)..**	9600.00					**646120.5**	**6072869**	**1339.777**	
Date (ddmmyy)...	10/11/96		**Grid centre(E/W)..**	7000.00					**grid**	**centre**	**X, Y & Z**	
Julian Date...	35349		**Grid latitude...**	54.78					**645850.9**	**6072020**	**1361.457**	
Operator...	JA		**Grid Azimuth...**	140.00								
Meter number...	G 199		**Base Adjustment...**	-224.87								
1st Base Value...	4400		**Drift Rate...**	-0.09								
2nd Base Value...	4400		**DENSITY**	2.65								

Bouguer Gravity Data Reduction:													**Line Dist.**
Line		**Station**		**Reading**	**Time**	**H.I.**	**Tide**	**Terrain**	**Range**	**Value**	**Factor**	**G Observed**	**to centre**
Base Station #1													
		ASCOT		4374.54	9.12	0.000	-0.07	0	4300	4546	1.05908	4624.873823	N/A
Base Station #2													
		ASCOT		4374.63	17.00	0.000	-0.08	0	4300	4546	1.05908	4624.959140	N/A
6475	E	9400	N	4388.83	10.24	0.130	-0.05	0	4300	4546	1.05908	4640.068175	-475
6500	E	9400	N	4387.90	10.31	0.160	-0.05	0	4300	4546	1.05908	4639.092484	-450
6525	E	9400	N	4387.04	10.37	0.140	-0.04	0	4300	4546	1.05908	4638.185506	-425
6550	E	9400	N	4386.20	10.45	0.235	-0.04	0	4300	4546	1.05908	4637.325182	-400
6575	E	9400	N	4385.05	10.52	0.150	-0.04	0	4300	4546	1.05908	4636.081022	-375
6600	E	9400	N	4384.23	11.00	0.140	-0.04	0	4300	4546	1.05908	4635.209491	-350
6625	E	9400	N	4384.32	11.08	0.130	-0.04	0	4300	4546	1.05908	4635.301724	-325
6650	E	9400	N	4384.53	11.17	0.250	-0.04	0	4300	4546	1.05908	4635.561145	-300
6675	E	9400	N	4384.89	11.29	0.210	-0.03	0	4300	4546	1.05908	4635.940076	-275
6700	E	9400	N	4385.62	11.40	0.170	-0.03	0	4300	4546	1.05908	4636.700866	-250
6725	E	9400	N	4384.48	11.54	0.260	-0.03	0	4300	4546	1.05908	4635.521275	-225
6750	E	9400	N	4386.16	12.13	0.130	-0.02	0	4300	4546	1.05908	4637.270431	-200
6775	E	9400	N	4386.41	12.21	0.190	-0.02	0	4300	4546	1.05908	4637.553708	-175
6800	E	9400	N	4387.59	12.30	0.515	-0.02	0	4300	4546	1.05908	4638.903669	-150
6825	E	9400	N	4387.08	12.48	0.230	-0.02	0	4300	4546	1.05908	4638.275630	-125
6850	E	9400	N	4386.08	13.15	0.380	-0.02	0	4300	4546	1.05908	4637.262817	-100
6875	E	9400	N	4384.01	13.28	0.135	-0.02	0	4300	4546	1.05908	4634.994952	-75
6900	E	9400	N	4382.87	13.37	0.330	-0.03	0	4300	4546	1.05908	4633.837748	-50
6925	E	9400	N	4382.09	13.47	0.285	-0.03	0	4300	4546	1.05908	4632.997785	-25
6950	E	9400	N	4381.01	14.08	0.220	-0.03	0	4300	4546	1.05908	4631.833930	0
6975	E	9400	N	4380.10	14.20	0.325	-0.03	0	4300	4546	1.05908	4630.902554	25
7000	E	9400	N	4379.60	14.30	0.210	-0.03	0	4300	4546	1.05908	4630.337543	50
7025	E	9400	N	4379.56	14.40	0.130	-0.04	0	4300	4546	1.05908	4630.260503	75
7050	E	9400	N	4379.85	14.56	0.230	-0.04	0	4300	4546	1.05908	4630.598482	100
7075	E	9400	N	4379.86	15.07	0.180	-0.05	0	4300	4546	1.05908	4630.583650	125
7100	E	9400	N	4380.31	15.19	0.280	-0.05	0	4300	4546	1.05908	4631.091081	150
7125	E	9400	N	4379.91	15.29	0.180	-0.05	0	4300	4546	1.05908	4630.636604	175
7150	E	9400	N	4379.96	15.43	0.250	-0.06	0	4300	4546	1.05908	4630.701149	200
7175	E	9400	N	4379.28	15.51	0.230	-0.06	0	4300	4546	1.05908	4629.974806	225
7200	E	9400	N	4379.00	16.02	0.280	-0.06	0	4300	4546	1.05908	4629.693686	250
7225	E	9400	N	4377.02	16.12	0.150	-0.07	0	4300	4546	1.05908	4627.546609	275
7250	E	9400	N	4375.77	16.20	0.095	-0.07	0	4300	4546	1.05908	4626.205794	300
7275	E	9400	N	4375.04	16.27	0.270	-0.07	0	4300	4546	1.05908	4625.486645	-7000
7300	E	9400	N	4375.05	16.34	0.320	-0.07	0	4300	4546	1.05908	4625.512658	-7000

Sta. Dist. to centre	Polar	Azimuth	Lat Corr	Elevation	Bouguer				
N/A	N/A	N/A	0.000000		4624.87				
N/A	N/A	N/A	0.000000		4624.96				
						Line	Station	X	Y
-200	56.647469	88.133	-0.013433		4640.08	9400	6475		
-200	56.543755	88.236	-0.012122		4639.10	9400	6500		
-200	56.440289	88.340	-0.010884		4638.20	9400	6525		
-200	56.337069	88.443	-0.009719		4637.33	9400	6550		
-200	56.234097	88.546	-0.008626		4636.09	9400	6575		
-200	56.131372	88.649	-0.007603		4635.22	9400	6600		
-200	56.028893	88.751	-0.006652		4635.31	9400	6625		
-200	55.926660	88.853	-0.005771		4635.57	9400	6650		
-200	55.824674	88.955	-0.004958		4635.95	9400	6675		
-200	55.722934	89.057	-0.004214		4636.71	9400	6700		
-200	55.621439	89.159	-0.003536		4635.52	9400	6725		
-200	55.520190	89.260	-0.002922		4637.27	9400	6750		
-200	55.419186	89.361	-0.002371		4637.56	9400	6775		
-200	55.318427	89.462	-0.001879		4638.91	9400	6800		
-200	55.217912	89.562	-0.001442		4638.28	9400	6825		
-200	55.117642	89.662	-0.001054		4637.26	9400	6850		
-200	55.017616	89.762	-0.000708		4635.00	9400	6875		
-200	54.917834	89.862	-0.000397		4633.84	9400	6900		
-200	54.818295	89.962	-0.000108		4633.00	9400	6925		
-200	54.718999	90.061	0.000170		4631.83	9400	6950		
-200	54.619947	90.160	0.000450		4630.90	9400	6975		
-200	54.521137	90.259	0.000745		4630.34	9400	7000		
-200	54.422569	90.357	0.001066		4630.26	9400	7025		
-200	54.324243	90.456	0.001423		4630.60	9400	7050		
-200	54.226159	90.554	0.001823		4630.58	9400	7075		
-200	54.128316	90.652	0.002274		4631.09	9400	7100		
-200	54.030715	90.749	0.002779		4630.63	9400	7125		
-200	53.933354	90.847	0.003343		4630.70	9400	7150		
-200	53.836233	90.944	0.003966		4629.97	9400	7175		
-200	53.739353	91.041	0.004650		4629.69	9400	7200		
-200	53.642712	91.137	0.005398		4627.54	9400	7225		
-200	53.546311	91.234	0.006209		4626.20	9400	7250		
-200	53.450148	91.330	0.129984	1342.13	4669.57	9400	7275	646189.501	6072058.687
-200	53.354225	91.426	0.139358	1342.84	4669.60	9400	7300	646207.984	6072075.347

									gravity	base sta	X, Y & Z		
Survey area...	ASCOT 1-22 CLAIMS		**Grid centre(N/S)..**	9600.00					**646120.5**	**6072869**	**1339.78**		
Date (ddmmyy)...	10/12/96		**Grid centre(E/W)..**	7000.00					**grid**	**centre**	**X, Y & Z**		
Julian Date...	35350		**Grid latitude...**	54.78					**645850.9**	**6072020**	**1361.46**		
Operator...	JA		**Grid Azimuth...**	140.00									
Meter number...	G 199		**Base Adjustment...**	-224.94									
1st Base Value...	4400		**Drift Rate...**	-0.02									
2nd Base Value...	4400		**DENSITY**	2.65									

Bouguer Gravity Data Reduction:

Line		Station		Reading	Time	H.I.	Tide	Terrain	Range	Value	Factor	G Observed	Line Dist. to centre
Base Station #1													
		ASCOT		4374.58	11.11	0.000	-0.05	0	4300	4546	1.05908	4624.936186	N/A
Base Station #2													
		ASCOT		4374.63	18.10	0.000	-0.08	0	4300	4546	1.05908	4624.959140	N/A
7250	E	9400	N	4375.74	11.48	0.125	-0.05	0	4300	4546	1.05908	4626.203275	250
7275	E	9400	N	4374.98	11.55	0.260	-0.04	0	4300	4546	1.05908	4625.450015	275
7300	E	9400	N	4375.02	12.03	0.305	-0.04	0	4300	4546	1.05908	4625.506259	300
7325	E	9400	N	4375.03	12.13	0.210	-0.04	0	4300	4546	1.05908	4625.487547	325
7350	E	9400	N	4375.09	12.22	0.240	-0.04	0	4300	4546	1.05908	4625.560345	350
7375	E	9400	N	4375.20	12.30	0.250	-0.04	0	4300	4546	1.05908	4625.679929	375
7400	E	9400	N	4375.21	12.40	0.260	-0.04	0	4300	4546	1.05908	4625.693604	400
7425	E	9400	N	4375.42	12.51	0.300	-0.04	0	4300	4546	1.05908	4625.928349	425
7450	E	9400	N	4375.52	12.59	0.185	-0.04	0	4300	4546	1.05908	4625.998785	450
7475	E	9400	N	4375.59	13.12	0.270	-0.03	0	4300	4546	1.05908	4626.109139	475
7500	E	9400	N	4376.45	13.39	0.215	-0.03	0	4300	4546	1.05908	4627.002983	500
7525	E	9400	N	4375.76	13.50	0.270	-0.04	0	4300	4546	1.05908	4626.279182	525
7550	E	9400	N	4374.64	14.00	0.200	-0.04	0	4300	4546	1.05908	4625.071421	550
7575	E	9400	N	4373.48	14.24	0.250	-0.04	0	4300	4546	1.05908	4623.858311	575
7600	E	9400	N	4372.53	14.34	0.200	-0.04	0	4300	4546	1.05908	4622.836762	600
7625	E	9400	N	4371.48	14.45	0.340	-0.04	0	4300	4546	1.05908	4621.767911	625
7650	E	9400	N	4370.44	15.02	0.270	-0.05	0	4300	4546	1.05908	4620.634877	650
7675	E	9400	N	4369.62	15.11	0.335	-0.05	0	4300	4546	1.05908	4619.786480	675
7700	E	9400	N	4369.42	15.21	0.300	-0.05	0	4300	4546	1.05908	4619.563869	700
7725	E	9400	N	4368.83	15.48	0.265	-0.06	0	4300	4546	1.05908	4618.918216	725
7750	E	9400	N	4368.24	15.56	0.270	-0.06	0	4300	4546	1.05908	4618.294901	750
7775	E	9400	N	4367.50	16.08	0.385	-0.06	0	4300	4546	1.05908	4617.546653	775
7800	E	9400	N	4367.46	16.18	0.290	-0.07	0	4300	4546	1.05908	4617.464987	800
7825	E	9400	N	4367.30	16.28	0.290	-0.07	0	4300	4546	1.05908	4617.295535	825
7850	E	9400	N	4366.61	16.38	0.315	-0.07	0	4300	4546	1.05908	4616.572481	850
7875	E	9400	N	4365.88	16.48	0.340	-0.07	0	4300	4546	1.05908	4615.807063	875
7900	E	9400	N	4365.19	16.56	0.240	-0.08	0	4300	4546	1.05908	4615.035453	900
7925	E	9400	N	4364.60	17.07	0.255	-0.08	0	4300	4546	1.05908	4614.415223	925
7950	E	9400	N	4363.97	17.16	0.300	-0.08	0	4300	4546	1.05908	4613.761883	950
7975	E	9400	N	4363.44	17.25	0.335	-0.08	0	4300	4546	1.05908	4613.211366	975
8000	E	9400	N	4362.88	17.34	0.290	-0.08	0	4300	4546	1.05908	4612.604401	1000

Sta. Dist. to centre	Polar	Azimuth	Lat Corr	Elevation	Bouguer				
N/A	N/A	N/A	0.000000		4624.94				
N/A	N/A	N/A	0.000000		4624.96				
						Line	Station	X	Y
-200	53.546488	91.234	0.005512		4626.20	9400	7250		
-200	53.450326	91.330	0.006311	1342.133	4669.09	9400	7275	646189.501	6072058.687
-200	53.354403	91.426	0.007174	1342.835	4669.17	9400	7300	646207.984	6072075.347
-200	53.258717	91.521	0.008103	1343.491	4669.17	9400	7325	646227.579	6072092.826
-200	53.163270	91.617	0.009096	1343.213	4669.23	9400	7350	646246.411	6072108.887
-200	53.068061	91.712	0.010155	1342.603	4669.33	9400	7375	646265.247	6072126.317
-200	52.973089	91.807	0.011278	1342.457	4669.34	9400	7400	646283.924	6072142.661
-200	52.878353	91.902	0.012466	1341.283	4669.53	9400	7425	646302.091	6072159.470
-200	52.783854	91.996	0.013719	1340.753	4669.59	9400	7450	646320.975	6072176.513
-200	52.689592	92.090	0.015036	1339.847	4669.67	9400	7475	646340.485	6072193.694
-200	52.595565	92.184	0.016417	1334.781	4670.39	9400	7500	646358.091	6072209.864
-200	52.501773	92.278	0.017862	1339.068	4669.81	9400	7525	646376.386	6072226.826
-200	52.408217	92.372	0.019370	1345.605	4668.81	9400	7550	646395.254	6072243.965
-200	52.314895	92.465	0.020942	1351.991	4667.80	9400	7575	646413.889	6072260.628
-200	52.221807	92.558	0.022577	1357.712	4666.97	9400	7600	646432.549	6072277.949
-200	52.128954	92.651	0.024275	1363.350	4666.08	9400	7625	646450.758	6072294.791
-200	52.036333	92.744	0.026036	1369.258	4665.14	9400	7650	646469.175	6072311.873
-200	51.943946	92.836	0.027859	1363.880	4664.11	9400	7675	646481.220	6072323.084
-200	51.851792	92.928	0.029744	1375.113	4664.25	9400	7700	646506.373	6072346.443
-200	51.759869	93.020	0.031691	1378.269	4663.71	9400	7725	646524.728	6072363.959
-200	51.668179	93.112	0.033700	1381.188	4663.18	9400	7750	646543.425	6072381.334
-200	51.576720	93.203	0.035770	1385.031	4662.55	9400	7775	646561.744	6072398.601
-200	51.485492	93.295	0.037901	1385.887	4662.50	9400	7800	646580.511	6072415.540
-200	51.394494	93.386	0.040094	1386.701	4662.35	9400	7825	646598.549	6072432.785
-200	51.303727	93.476	0.042347	1390.201	4661.74	9400	7850	646616.801	6072449.896
-200	51.213190	93.567	0.044660	1393.828	4661.09	9400	7875	646635.510	6072467.018
-200	51.122882	93.657	0.047033	1397.507	4660.44	9400	7900	646654.028	6072484.348
-200	51.032803	93.747	0.049466	1400.583	4659.91	9400	7925	646672.328	6072501.925
-200	50.942952	93.837	0.051959	1403.609	4659.36	9400	7950	646691.184	6072518.661
-200	50.853330	93.927	0.054512	1406.082	4658.88	9400	7975	646709.542	6072535.883
-200	50.763935	94.016	0.057123	1409.060	4658.37	9400	8000	646728.256	6072553.641

Survey area...	ASCOT 1-22 CLAIMS			**Grid centre(N/S)..**	9600.00								
Date (ddmmyy)...	10/13/96			**Grid centre(E/W)..**	7000.00								
Julian Date...	35351			**Grid latitude...**	54.78								
Operator...	JA			**Grid Azimuth...**	140.00								
Meter number...	G 199			**Base Adjustment...**	-224.92								
1st Base Value...	4400			**Drift Rate...**	0.00								
2nd Base Value...	4400			**DENSITY**	2.65								
Bouguer Gravity Data Reduction:													**Line Dist.**
Line		**Station**		**Reading**	**Time**	**H.I.**	**Tide**	**Terrain**	**Range**	**Value**	**Factor**	**G Observed**	**to centre**
Base Station #1													
		ASCOT		4374.59	10.05	0.000	-0.08	0	4300	4546	1.05908	4624.916777	N/A
Base Station #2													
		ASCOT		4374.60	17.51	0.000	-0.09	0	4300	4546	1.05908	4624.917368	N/A
7825	E	9400	N	4367.30	10.29	0.275	-0.08	0	4300	4546	1.05908	4617.280908	825
7800	E	9400	N	4367.45	10.37	0.155	-0.08	0	4300	4546	1.05908	4617.402756	800
7775	E	9400	N	4367.50	10.42	0.375	-0.08	0	4300	4546	1.05908	4617.523569	775
8000	E	9200	N	4365.06	11.14	0.200	-0.07	0	4300	4546	1.05908	4614.895435	1000
7975	E	9200	N	4365.72	11.25	0.240	-0.07	0	4300	4546	1.05908	4615.606766	975
7950	E	9200	N	4365.95	11.37	0.265	-0.06	0	4300	4546	1.05908	4615.868065	950
7925	E	9200	N	4366.42	11.46	0.265	-0.06	0	4300	4546	1.05908	4616.365833	925
7900	E	9200	N	4367.29	11.57	0.280	-0.06	0	4300	4546	1.05908	4617.291859	900
7875	E	9200	N	4367.68	12.06	0.270	-0.06	0	4300	4546	1.05908	4617.701816	875
7850	E	9200	N	4368.29	12.16	0.260	-0.06	0	4300	4546	1.05908	4618.344770	850
7825	E	9200	N	4369.03	12.27	0.200	-0.05	0	4300	4546	1.05908	4619.119982	825
7800	E	9200	N	4369.71	12.41	0.290	-0.05	0	4300	4546	1.05908	4619.867917	800
7775	E	9200	N	4370.34	13.00	0.270	-0.05	0	4300	4546	1.05908	4620.528969	775
7750	E	9200	N	4370.02	13.11	0.260	-0.05	0	4300	4546	1.05908	4620.186979	750
7725	E	9200	N	4369.32	13.22	0.245	-0.05	0	4300	4546	1.05908	4619.440996	725
7700	E	9200	N	4369.09	13.32	0.230	-0.05	0	4300	4546	1.05908	4619.192781	700
7675	E	9200	N	4368.58	13.46	0.150	-0.05	0	4300	4546	1.05908	4618.627974	675
7650	E	9200	N	4368.33	14.18	0.220	-0.05	0	4300	4546	1.05908	4618.384795	650
7625	E	9200	N	4368.03	14.28	0.160	-0.05	0	4300	4546	1.05908	4618.048564	625
7600	E	9200	N	4367.88	14.58	0.200	-0.05	0	4300	4546	1.05908	4617.902040	600
7575	E	9200	N	4367.93	15.21	0.260	-0.05	0	4300	4546	1.05908	4617.973501	575
7550	E	9200	N	4367.58	15.30	0.260	-0.05	0	4300	4546	1.05908	4617.602823	550
7525	E	9200	N	4367.73	15.39	0.290	-0.06	0	4300	4546	1.05908	4617.760939	525
7500	E	9200	N	4367.62	15.50	0.320	-0.06	0	4300	4546	1.05908	4617.653694	500
7475	E	9200	N	4367.46	16.00	0.170	-0.06	0	4300	4546	1.05908	4617.437973	475
7450	E	9200	N	4367.32	16.09	0.305	-0.06	0	4300	4546	1.05908	4617.331343	450
7425	E	9200	N	4367.25	16.21	0.240	-0.07	0	4300	4546	1.05908	4617.227158	425
7400	E	9200	N	4367.23	16.29	0.340	-0.07	0	4300	4546	1.05908	4617.236821	400
7375	E	9200	N	4367.82	16.36	0.290	-0.07	0	4300	4546	1.05908	4617.846256	375
7350	E	9200	N	4368.30	16.44	0.245	-0.07	0	4300	4546	1.05908	4618.340734	350
7325	E	9200	N	4369.21	16.53	0.190	-0.08	0	4300	4546	1.05908	4619.277532	325
7300	E	9200	N	4369.60	17.07	0.290	-0.08	0	4300	4546	1.05908	4619.721419	300

Sta. Dist. to centre	Polar	Azimuth	Lat Corr	Elevation	Bouguer	Line	Station	X	Y
N/A	N/A	N/A	0.000000		4624.92				
N/A	N/A	N/A	0.000000		4624.92				
-200	51.394438	93.386	0.040094	1386.701	4664.66	9400	7825	646598.549	6072432.785
-200	51.485435	93.295	0.037902	1385.887	4664.76	9400	7800	646580.511	6072415.540
-200	51.576663	93.203	0.035771	1385.031	4664.85	9400	7775	646561.744	6072398.601
-400	50.173258	94.607	0.069184	1397.360	4662.61	9200	8000	646860.613	6072383.814
-400	50.263013	94.517	0.066379	1394.231	4663.22	9200	7975	646845.893	6072370.790
-400	50.353002	94.427	0.063634	1392.845	4663.43	9200	7950	646827.137	6072353.942
-400	50.443226	94.337	0.060949	1390.565	4663.86	9200	7925	646808.136	6072337.684
-400	50.533685	94.246	0.058324	1386.132	4664.63	9200	7900	646789.431	6072321.088
-400	50.624380	94.156	0.055760	1383.734	4664.96	9200	7875	646770.727	6072304.498
-400	50.715311	94.065	0.053256	1380.568	4665.50	9200	7850	646752.041	6072287.995
-400	50.806479	93.974	0.050813	1376.383	4666.14	9200	7825	646733.412	6072271.228
-400	50.897884	93.882	0.048432	1371.874	4666.73	9200	7800	646714.613	6072255.026
-400	50.989527	93.790	0.046112		4620.48				
-400	51.081408	93.699	0.043853	1370.033	4666.99	9200	7750	646676.630	6072221.796
-400	51.173527	93.606	0.041657	1373.870	4666.38	9200	7725	646658.090	6072205.205
-400	51.265886	93.514	0.039523		4619.15				
-400	51.358484	93.422	0.037451	1377.805	4665.71	9200	7675	646620.650	6072172.283
-400	51.451321	93.329	0.035443	1379.110	4665.51	9200	7650	646601.408	6072155.575
-400	51.544400	93.236	0.033497	1380.998	4665.24	9200	7625	646582.820	6072138.945
-400	51.637719	93.142	0.031614	1381.571	4665.11	9200	7600	646563.279	6072121.790
-400	51.731279	93.049	0.029795	1381.314	4665.18	9200	7575	646545.322	6072105.870
-400	51.825081	92.955	0.028039	1382.854	4664.86	9200	7550	646526.559	6072089.133
-400	51.919125	92.861	0.026347	1382.198	4665.00	9200	7525	646508.188	6072072.865
-400	52.013411	92.767	0.024718	1382.562	4664.91	9200	7500	646489.317	6072056.465
-400	52.107940	92.672	0.023154	1383.406	4664.72	9200	7475	646470.794	6072039.723
-400	52.202713	92.577	0.021653		4617.31	7450	9200		
-400	52.297730	92.482	0.020216		4617.21	7425	9200		
-400	52.392991	92.387	0.018843		4617.22	7400	9200		
-400	52.488496	92.292	0.017533		4617.83	7375	9200		
-400	52.584247	92.196	0.016287		4618.32	7350	9200		
-400	52.680242	92.100	0.015103		4619.26	7325	9200		
-400	52.776484	92.004	0.013981		4619.71	7300	9200		

									gravity	base sta	X, Y & Z		
Survey area...	ASCOT 1-22 CLAIMS		**Grid centre(N/S)..**	9600					**646120.5**	**6072869**	**1339.777**		
Date (ddmmyy)...	10/14/96		**Grid centre(E/W)..**	7000					**grid**	**centre**	**X, Y & Z**		
Julian Date...	35352		**Grid latitude...**	54.780					**645850.9**	**6072020**	**1361.457**		
Operator...	JA		**Grid Azimuth...**	140									
Meter number...	G 199		**Base Adjustment...**	-224.928									
1st Base Value...	4400		**Drift Rate...**	0.084136									
2nd Base Value...	4400		**DENSITY**	2.65									

Bouguer Gravity Data Reduction:

Line		Station		Reading	Time	H.I.	Tide	Terrain	Range	Value	Factor	G Observed	Line Dist to centre
Base Station #1													
		ASCOT		4374.61	9.46	0.000	-0.09	0	4300	4546	1.05908	4624.927959	N/A
Base Station #2													
		ASCOT		4374.54	18.54	0.000	-0.1	0	4300	4546	1.05908	4624.843823	N/A
7350	E	9200	N	4368.30	10.46	0.250	-0.09	0	4300	4546	1.05908	4618.322277	350
7325	E	9200	N	4369.21	10.52	0.195	-0.08	0	4300	4546	1.05908	4619.279075	325
7300	E	9200	N	4369.60	10.58	0.310	-0.08	0	4300	4546	1.05908	4619.727588	300
7275	E	9200	N	4370.59	11.06	0.315	-0.08	0	4300	4546	1.05908	4620.777619	275
7250	E	9200	N	4371.12	11.13	0.330	-0.08	0	4300	4546	1.05908	4621.343558	250
7225	E	9200	N	4371.71	11.23	0.210	-0.08	0	4300	4546	1.05908	4621.931401	225
7200	E	9200	N	4372.49	11.32	0.260	-0.08	0	4300	4546	1.05908	4622.772906	200
7175	E	9200	N	4373.07	11.41	0.250	-0.08	0	4300	4546	1.05908	4623.384088	175
7150	E	9200	N	4373.20	11.50	0.190	-0.08	0	4300	4546	1.05908	4623.503262	150
7125	E	9200	N	4372.91	12.01	0.300	-0.07	0	4300	4546	1.05908	4623.240058	125
7100	E	9200	N	4373.01	12.22	0.270	-0.07	0	4300	4546	1.05908	4623.336712	100
7075	E	9200	N	4373.70	12.31	0.275	-0.07	0	4300	4546	1.05908	4624.069020	75
7050	E	9200	N	4374.42	12.41	0.220	-0.07	0	4300	4546	1.05908	4624.814593	50
7025	E	9200	N	4375.49	12.50	0.295	-0.07	0	4300	4546	1.05908	4625.970942	25
7000	E	9200	N	4376.23	12.56	0.150	-0.06	0	4300	4546	1.05908	4626.719936	0
6975	E	9200	N	4377.09	13.06	0.220	-0.06	0	4300	4546	1.05908	4627.652336	-25
6950	E	9200	N	4378.14	13.16	0.290	-0.06	0	4300	4546	1.05908	4628.785962	-50
6925	E	9200	N	4378.12	13.27	0.285	-0.06	0	4300	4546	1.05908	4628.763238	-75
6900	E	9200	N	4378.29	13.36	0.320	-0.06	0	4300	4546	1.05908	4628.954077	-100
6875	E	9200	N	4378.56	13.44	0.240	-0.06	0	4300	4546	1.05908	4629.215353	-125
6850	E	9200	N	4378.96	14.13	0.255	-0.06	0	4300	4546	1.05908	4629.643612	-150
6825	E	9200	N	4379.52	14.22	0.275	-0.06	0	4300	4546	1.05908	4630.242865	-175
6800	E	9200	N	4380.01	14.32	0.235	-0.06	0	4300	4546	1.05908	4630.749477	-200
6775	E	9200	N	4380.40	14.41	0.280	-0.06	0	4300	4546	1.05908	4631.176398	-225
6750	E	9200	N	4380.78	14.49	0.280	-0.06	0	4300	4546	1.05908	4631.578848	-250
6725	E	9200	N	4381.12	14.59	0.250	-0.06	0	4300	4546	1.05908	4631.929682	-275
6700	E	9200	N	4381.33	15.10	0.190	-0.06	0	4300	4546	1.05908	4632.133582	-300
6675	E	9200	N	4381.53	15.23	0.290	-0.06	0	4300	4546	1.05908	4632.376243	-325
6650	E	9200	N	4381.94	15.33	0.220	-0.06	0	4300	4546	1.05908	4632.788874	-350
6625	E	9200	N	4381.97	15.46	0.335	-0.06	0	4300	4546	1.05908	4632.856118	-375
6600	E	9200	N	4381.89	15.56	0.220	-0.06	0	4300	4546	1.05908	4632.735920	-400
6575	E	9200	N	4381.79	16.16	0.245	-0.07	0	4300	4546	1.05908	4632.627723	-425
6550	E	9200	N	4381.91	16.23	0.330	-0.07	0	4300	4546	1.05908	4632.781031	-450
6525	E	9200	N	4382.16	16.32	0.240	-0.07	0	4300	4546	1.05908	4633.018041	-475
6500	E	9200	N	4382.26	16.41	0.205	-0.07	0	4300	4546	1.05908	4633.113153	-500
6475	E	9200	N	4383.14	16.54	0.260	-0.08	0	4300	4546	1.05908	4634.052108	-525
6450	E	9200	N	4383.58	17.06	0.220	-0.08	0	4300	4546	1.05908	4634.505765	-550

Sta. Dist. to centre	Polar	Azimuth	Lat Corr	Elevation	Bouguer	Line	Station	X	Y
N/A	N/A	N/A	0.000000		4624.93				
N/A	N/A	N/A	0.000000		4624.84				
-400	52.584279	92.196	0.016287		4618.31	9200	7350		
-400	52.680275	92.100	0.015103		4619.26	9200	7325		
-400	52.776517	92.003	0.013980		4619.71	9200	7300		
-400	52.873005	91.907	0.012919		4620.76	9200	7275		
-400	52.969740	91.810	0.011917		4621.33	9200	7250		
-400	53.066721	91.713	0.010974		4621.92	9200	7225		
-400	53.163950	91.616	0.010087		4622.76	9200	7200		
-400	53.261427	91.519	0.009254		4623.37	9200	7175		
-400	53.359153	91.421	0.008472		4623.49	9200	7150		
-400	53.457126	91.323	0.007738		4623.23	9200	7125		
-400	53.555349	91.225	0.007048		4623.33	9200	7100		
-400	53.653821	91.126	0.006397		4624.06	9200	7075		
-400	53.752543	91.027	0.005781		4624.81	9200	7050		
-400	53.851514	90.928	0.005194		4625.97	9200	7025		
-400	53.950736	90.829	0.004630		4626.72	9200	7000		
-400	54.050209	90.730	0.004083		4627.65	9200	6975		
-400	54.149933	90.630	0.003545		4628.78	9200	6950		
-400	54.249909	90.530	0.003011		4628.76	9200	6925		
-400	54.350136	90.430	0.002474		4628.95	9200	6900		
-400	54.450616	90.329	0.001927		4629.21	9200	6875		
-400	54.551347	90.229	0.001364		4629.64	9200	6850		
-400	54.652332	90.128	0.000778		4630.24	9200	6825		
-400	54.753570	90.026	0.000165		4630.75	9200	6800		
-400	54.855061	89.925	-0.000481		4631.18	9200	6775		
-400	54.956806	89.823	-0.001164		4631.58	9200	6750		
-400	55.058805	89.721	-0.001889		4631.93	9200	6725		
-400	55.161059	89.619	-0.002660		4632.14	9200	6700		
-400	55.263567	89.516	-0.003479		4632.38	9200	6675		
-400	55.366330	89.414	-0.004350		4632.79	9200	6650		
-400	55.469348	89.311	-0.005276		4632.86	9200	6625		
-400	55.572622	89.207	-0.006259		4632.74	9200	6600		
-400	55.676152	89.104	-0.007300		4632.64	9200	6575		
-400	55.779937	89.000	-0.008403		4632.79	9200	6550		
-400	55.883980	88.896	-0.009569		4633.03	9200	6525		
-400	55.988278	88.792	-0.010799		4633.12	9200	6500		
-400	56.092834	88.687	-0.012094		4634.06	9200	6475		
-400	56.197646	88.582	-0.013456		4634.52	9200	6450		

									gravity	base sta	X, Y & Z		
Survey area...	ASCOT 1-22 CLAIMS			**Grid centre(N/S)..**	9600.00				**646120.5**	**6072869**	**1339.777**		
Date (ddmmyy)...	10/15/96			**Grid centre(E/W)..**	7000.00				**grid**	**centre**	**X, Y & Z**		
Julian Date...	35353			**Grid latitude...**	54.78				**645850.9**	**6072020**	**1361.457**		
Operator...	JA			**Grid Azimuth...**	140.00								
Meter number...	G 199			**Base Adjustment...**	-224.91								
1st Base Value...	4400			**Drift Rate...**	0.62								
2nd Base Value...	4400			**DENSITY**	2.65								

Bouguer Gravity Data Reduction:

Line		Station		Reading	Time	H.I.	Tide	Terrain	Range	Value	Factor	G Observed	Line Dist. to centre
Base Station #1													
		ASCOT		4374.58	9.35	0.000	-0.08	0	4300	4546	1.05908	4624.906186	N/A
Base Station #2													
		ASCOT		4374.58	16.28	0.000	-0.70	0	4300	4546	1.05908	4624.286186	N/A
6475	E	9200	N	4383.13	11.12	0.260	-0.09	0	4300	4546	1.05908	4634.031517	-550
6450	E	9200	N	4383.58	11.18	0.215	-0.08	0	4300	4546	1.05908	4634.504223	-575
6425	E	9200	N	4384.60	11.26	0.220	-0.08	0	4300	4546	1.05908	4635.586027	-600
6400	E	9200	N	4385.65	11.35	0.260	-0.08	0	4300	4546	1.05908	4636.710399	-625
6375	E	9200	N	4386.49	11.45	0.185	-0.08	0	4300	4546	1.05908	4637.576892	-650
6350	E	9200	N	4386.94	11.55	0.250	-0.08	0	4300	4546	1.05908	4638.073528	-675
6325	E	9200	N	4387.69	12.06	0.375	-0.08	0	4300	4546	1.05908	4638.906394	-700
6300	E	9200	N	4388.26	12.16	0.340	-0.08	0	4300	4546	1.05908	4639.499274	-725
6275	E	9200	N	4389.63	12.27	0.250	-0.08	0	4300	4546	1.05908	4640.922453	-750
6250	E	9200	N	4390.26	13.00	0.180	-0.07	0	4300	4546	1.05908	4641.578082	-775
6225	E	9200	N	4390.28	13.09	0.330	-0.07	0	4300	4546	1.05908	4641.645531	-800
6200	E	9200	N	4391.04	13.26	0.250	-0.07	0	4300	4546	1.05908	4642.425756	-825
6175	E	9200	N	4391.79	13.40	0.215	-0.07	0	4300	4546	1.05908	4643.209270	-850
6150	E	9200	N	4392.39	13.50	0.300	-0.07	0	4300	4546	1.05908	4643.870936	-875
6125	E	9200	N	4393.25	14.03	0.150	-0.07	0	4300	4546	1.05908	4644.735478	-900
6100	E	9200	N	4393.86	14.11	0.310	-0.07	0	4300	4546	1.05908	4645.430868	-925
6075	E	9200	N	4394.69	14.21	0.190	-0.07	0	4300	4546	1.05908	4646.272891	-950
6050	E	9200	N	4365.29	14.30	0.260	-0.07	0	4300	4546	1.05908	4615.157530	-975
6025	E	9200	N	4395.89	14.40	0.445	-0.07	0	4300	4546	1.05908	4647.622441	-1000
6000	E	9200	N	4396.09	14.48	0.260	-0.07	0	4300	4546	1.05908	4647.777194	-7000

Sta. Dist. to centre	Polar	Azimuth	Lat Corr	Elevation	Bouguer				
N/A	N/A	N/A	0.000000		4624.91				
N/A	N/A	N/A	0.000000		4624.29				
						Line	Station	X	Y
-400	56.092772	88.687	-0.012461		4634.04	9200	6475		
-400	56.197585	88.582	-0.013859		4634.52	9200	6450		
-400	56.302655	88.477	-0.015325		4635.60	9200	6425		
-400	56.407983	88.372	-0.016860		4636.73	9200	6400		
-400	56.513569	88.266	-0.018466		4637.60	9200	6375		
-400	56.619412	88.161	-0.020142		4638.09	9200	6350		
-400	56.725514	88.054	-0.021891		4638.93	9200	6325		
-400	56.831875	87.948	-0.023711		4639.52	9200	6300		
-400	56.938494	87.842	-0.025605		4640.95	9200	6275		
-400	57.045372	87.735	-0.027572		4641.61	9200	6250		
-400	57.152509	87.627	-0.029613		4641.68	9200	6225		
-400	57.259906	87.520	-0.031729		4642.46	9200	6200		
-400	57.367562	87.412	-0.033920		4643.24	9200	6175		
-400	57.475477	87.305	-0.036186		4643.91	9200	6150		
-400	57.583653	87.196	-0.038529		4644.77	9200	6125		
-400	57.692089	87.088	-0.040948		4645.47	9200	6100		
-400	57.800784	86.979	-0.043444		4646.32	9200	6075		
-400	57.909740	86.870	-0.046018		4615.20	9200	6050		
-400	58.018957	86.761	-0.048669		4647.67	9200	6025		
-400	58.128434	86.652	-0.327530		4648.10	9200	6000		

APPENDIX E

CERTIFICATES OF ANALYSIS

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 : BDM 96-01
Comments: ATTN:J.LEHTINEN

Page Number : 1
Total Pages : 1
Certificate Date: 01-DEC-96
Invoice No. : I9640933
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9640933

SAMPLE	PREP CODE	Ag FA g/t	Pb %	Zn %
230788	244 --	-----	1.67	7.60
230789	244 --	-----	-----	6.77
230793	244 --	-----	1.30	11.10
230794	244 --	-----	-----	1.65
230798	244 --	-----	3.28	-----
316601	244 --	-----	-----	2.23
316606	244 --	-----	-----	1.33
316607	244 --	157	-----	2.01

CERTIFICATION: Said Leinad

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 : BDM 96-01
Comments: ATTN:J.LEHTINEN

Page Number : 1-A
Total Pages : 1
Certificate Date: 19-NOV-96
Invoice No. : I9637667
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9637667

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
230788	205	226	< 5	13.0	0.25	130	< 10	< 0.5	< 2	10.85	>100.0	5	21	9	2.90	< 10	5	0.08	< 10	0.06	2820
230789	205	226	< 5	9.8	0.43	72	10	< 0.5	< 2	9.46	>100.0	11	11	36	1.90	< 10	8	0.21	< 10	0.34	2570
230790	205	226	< 5	3.0	0.45	96	130	< 0.5	< 2	13.95	14.5	11	12	19	1.43	< 10	4	0.21	< 10	0.14	3240
230791	205	226	< 5	4.8	0.08	44	50	< 0.5	< 2	>15.00	31.5	1	3	7	0.35	< 10	4	0.03	< 10	0.06	3490
230792	205	226	< 5	0.2	1.94	8	220	< 0.5	2	4.00	0.5	24	39	72	5.59	< 10	1	0.27	< 10	2.67	2040
230793	205	226	< 5	15.8	0.10	358	< 10	< 0.5	< 2	13.55	>100.0	19	15	180	2.88	< 10	5	0.05	< 10	0.34	3380
230794	205	226	< 5	0.2	0.51	60	260	< 0.5	6	5.68	71.5	16	83	25	4.16	< 10	< 1	0.32	< 10	1.44	1775
230795	205	226	< 5	1.0	0.32	38	360	< 0.5	< 2	10.40	43.5	16	25	40	1.78	< 10	< 1	0.25	< 10	0.63	2600
230796	205	226	< 5	1.0	1.75	< 2	80	< 0.5	< 2	3.44	< 0.5	14	35	193	5.21	10	2	0.14	30	1.36	1210
230797	205	226	< 5	0.6	0.78	8	170	< 0.5	< 2	1.67	< 0.5	7	39	422	4.35	< 10	< 1	0.20	30	0.42	1130
230798	205	226	< 5	2.2	1.66	28	40	< 0.5	< 2	1.89	5.5	21	99	153	3.89	< 10	< 1	0.06	< 10	1.25	900
316601	205	226	< 5	< 0.2	0.73	198	40	< 0.5	4	3.43	86.0	24	17	47	4.87	< 10	5	0.32	< 10	0.29	2340
316602	205	226	< 5	2.2	0.34	58	80	< 0.5	< 2	>15.00	51.5	3	6	8	0.51	< 10	2	0.16	< 10	0.09	3510
316603	205	226	< 5	1.2	0.29	34	80	< 0.5	< 2	13.70	7.0	6	14	22	1.92	< 10	< 1	0.12	< 10	0.12	1500
316604	205	226	< 5	< 0.2	0.08	14	80	< 0.5	< 2	>15.00	15.0	1	8	6	0.67	< 10	3	0.04	< 10	0.11	2300
316605	205	226	< 5	< 0.2	0.88	24	180	< 0.5	< 2	2.72	< 0.5	23	46	37	4.49	< 10	< 1	0.31	10	2.48	555
316606	205	226	< 5	0.6	0.30	42	40	< 0.5	< 2	11.30	38.0	25	18	25	2.01	< 10	4	0.18	< 10	0.06	2120
316607	205	226	< 5	>100.0	0.22	40	40	< 0.5	< 2	>15.00	>100.0	6	17	310	0.54	< 10	4	0.12	< 10	0.11	2970
316608	205	226	< 5	1.8	0.41	68	30	< 0.5	< 2	>15.00	12.0	10	7	37	1.52	< 10	1	0.15	< 10	0.26	2740

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 : BDM 96-01
Comments: ATTN:J.LEHTINEN

Page Number :1-B
Total Pages :1
Certificate Date: 19-NOV-96
Invoice No. :19637667
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9637667

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	Ba XRF %
230788	205	226	10	< 0.01	6	340	>10000	28	5	433	< 0.01	< 10	< 10	1	< 10	>10000	2.7
230789	205	226	< 1	< 0.01	5	700	4780	16	8	224	< 0.01	< 10	< 10	12	< 10	>10000	4.1
230790	205	226	< 1	< 0.01	8	630	804	2	8	349	< 0.01	10	< 10	13	< 10	3530	1.3
230791	205	226	7	< 0.01	2	490	1625	10	2	660	< 0.01	< 10	< 10	3	< 10	8600	1.8
230792	205	226	< 1	0.03	36	950	34	2	15	67	< 0.01	< 10	< 10	58	< 10	374	0.2
230793	205	226	34	< 0.01	19	240	>10000	172	1	241	< 0.01	10	< 10	1	< 10	>10000	0.9
230794	205	226	< 1	< 0.01	19	710	58	10	8	193	< 0.01	< 10	< 10	15	< 10	>10000	0.2
230795	205	226	< 1	< 0.01	15	780	52	10	8	180	< 0.01	< 10	< 10	14	< 10	9670	0.4
230796	205	226	< 1	0.05	< 1	3360	16	< 2	9	100	< 0.01	< 10	< 10	76	< 10	248	< 0.1
230797	205	226	1	0.06	< 1	1570	90	2	6	50	< 0.01	< 10	< 10	14	< 10	172	< 0.1
230798	205	226	3	0.06	26	1270	>10000	6	12	32	< 0.01	< 10	< 10	89	< 10	116	< 0.1
316601	205	226	4	0.01	7	930	4230	6	14	92	< 0.01	< 10	< 10	25	< 10	>10000	1.5
316602	205	226	1	< 0.01	5	600	384	8	4	602	< 0.01	< 10	< 10	15	< 10	7940	2.0
316603	205	226	< 1	< 0.01	6	980	84	2	5	364	< 0.01	< 10	< 10	5	< 10	1655	1.1
316604	205	226	< 1	< 0.01	1	290	44	6	1	617	< 0.01	< 10	< 10	1	< 10	3730	1.2
316605	205	226	< 1	0.04	46	2080	4	< 2	9	103	< 0.01	< 10	< 10	34	< 10	58	0.1
316606	205	226	< 1	0.01	15	720	64	6	7	301	< 0.01	10	< 10	16	< 10	>10000	1.8
316607	205	226	< 1	< 0.01	6	270	4390	116	2	633	< 0.01	< 10	< 10	5	< 10	>10000	3.0
316608	205	226	3	< 0.01	12	3270	656	6	4	298	< 0.01	< 10	< 10	24	< 10	3040	0.8

CERTIFICATION:

APPENDIX F

GEOLOGIST'S CERTIFICATE

GEOLOGIST'S CERTIFICATE

I, Jim Lehtinen, of 4317 Briardale Road, Royston in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Contract Geologist with Equity Engineering Ltd. 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 degree in Geology.

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 report is based in part on property work I personally completed and/or directly supervised between September 23 to October 16, 1996, and on publicly available reports.

DATED at Vancouver, British Columbia, this 16th day of April, 1997.

Jim Lehtinen, P.Geo.

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

(141)

24,957

LEGEND

Layered Rocks

Lower to Middle Jurassic

HAZELTON GROUP

Nilkitkwa Formation (Pleinsbachian - Toarcian)

Note: The stratigraphic order implied by the sequence of rock units listed below is only a crude guide to the rocks observed during the 1996 program and has only limited local value.

12 Intermediate volcanic breccia.

10 Rhyolite/dacite breccia.

8 Impure wacke.

6 Undifferentiated argillaceous sediments.

5 Limestone.

4 Impure limestone.

Intrusive Rocks

14 Diorite.

SYMBOLS

- Outcrop
- Geological contact (approximate, inferred)
- Trace of marker horizon
- Bedding
- Fault (approximate, inferred)
- Float/ Subcrop
- Foliation
- Dyke (approximate, inferred)
- Trench
- Rock sample (float, grab or chip)
- Diamond drill hole

Grid lines:

- Cut and surveyed
- Cut, not surveyed
- Hip chained/blazed/flagged

Mineral Abbreviations

BA	Barite	CP	Chalcopyrite
GL	Galena	PY	Pyrite
SP	Sphalerite		

ROCK GEOCHEMICAL SAMPLES

SAMPLE NUMBER	Ag (ppm)	Ba (%)	Cd (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
230788	13.0	2.7	>100.0	9	1.67%	7.6%
230789	9.8	4.1	>100.0	36	4780	6.77%
230790	3.0	1.3	14.5	19	804	3530
230791	4.8	1.8	31.5	7	1625	8600
230792	0.2	0.2	0.5	72	34	374
230793	15.8	0.9	>100.0	180	1.3%	11.10%
230794	0.2	0.2	71.5	25	58	1.65%
230795	1.0	0.4	43.5	40	52	9670
230796	1.0	<0.1	<0.5	193	16	248
230797	0.6	<0.1	<0.5	422	90	172
230798	2.2	<0.1	5.5	153	3.28%	116
316601	<0.2	1.5	86.0	47	4230	2.23%
316602	2.2	2.0	51.5	8	384	7940
316603	1.2	1.1	7.0	22	84	1655
316604	<0.2	1.2	15.0	6	44	3730
316605	<0.2	0.1	<0.5	37	4	58
316606	0.6	1.8	38.0	25	64	1.33%
316607	157g/t	3.0	>100.0	310	4390	2.01%
316608	1.8	0.8	12.0	37	656	3040

METRES
0 100 200 300 400 500

ALLIANCE MINING INC.

ASCOT PROPERTY

GRID GEOLOGY & PLAN

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

DRAWN.	J.W./H.A.	MINING DIV.	OMINECA	FIGURE 4
N.T.S.	93 L/15E	SCALE.	1:5000	
DATE.	MARCH 1997	REVISED.		

6000 E 6200 E 6400 E 6600 E 6800 E 7000 E 7200 E 7400 E 7600 E 7800 E 8000 E

10000 N 9900 N 9800 N 9700 N 9600 N 9500 N 9400 N 9300 N 9200 N 9100 N 9000 N 8900 N 8800 N 8700 N

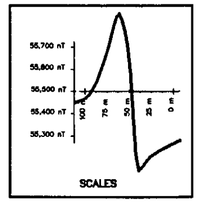
INSTRUMENTATION :

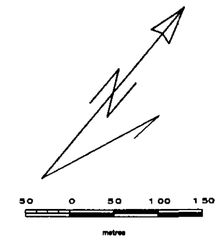
Base and Field : EDA OMNI-PLUS Combined Total Field
Proton Magnetometer and VLF-EM Receiver

Magnetics, VLF-EM In-Phase and Total Field Strength
are Base Corrected

Magnetics Range - High : 56,422.0 nT
- Median : 55,510.0 nT
- Low : 51,455.9 nT

Land Survey data not available



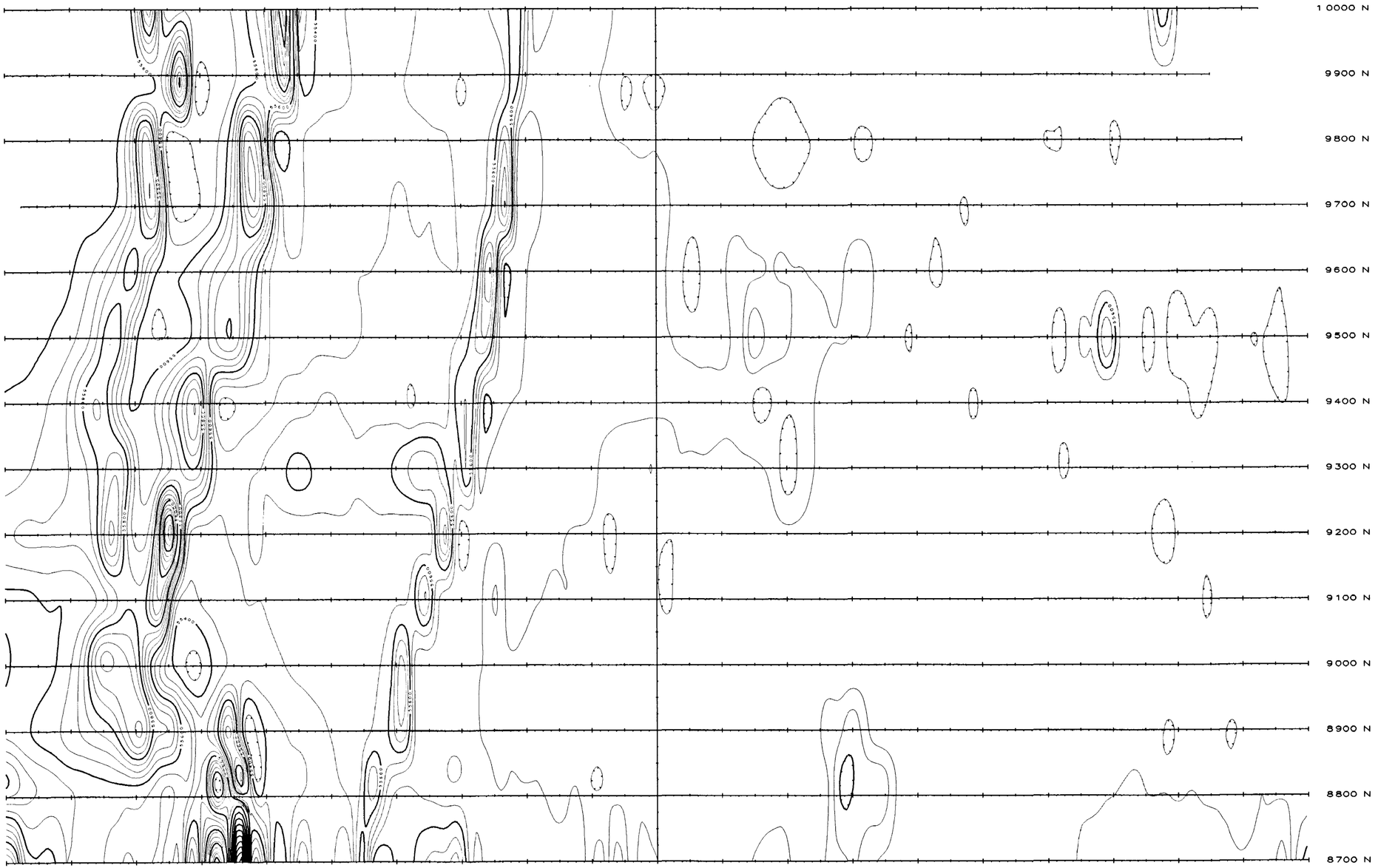


BLACK DOG MINING LTD.
ASCOT 1 - 22 CLAIMS
TOTAL FIELD MAGNETICS
PROFILES

Omineca Mining Division, Smithers area, British Columbia
N.T.S. : 93L/15e Surveyed : October, 1996
Drawn by : JRA Surveyed by : JRA, RH
December, 1996 Plate G1A

6000 E 6200 E 6400 E 6600 E 6800 E 7000 E 7200 E 7400 E 7600 E 7800 E 8000 E

10000 N 9900 N 9800 N 9700 N 9600 N 9500 N 9400 N 9300 N 9200 N 9100 N 9000 N 8900 N 8800 N 8700 N



INSTRUMENTATION :

Base and Field : EDA OMNI–PLUS Combined Total Field
Proton Magnetometer and VLF–EM Receiver

Magnetics, VLF–EM In–Phase and Total Field Strength
are Base Corrected

Magnetics Range – High : 56,422.0 nT
– Median : 55,510.0 nT
– Low : 51,455.9 nT

Land Survey data not available

Contour interval: 50 nT/**200 nT**

50 0 50 100 150
metres

BLACK DOG MINING LTD.
ASCOT 1 – 22 CLAIMS
TOTAL FIELD MAGNETICS CONTOURS

Omineca Mining Division, Smithers area, British Columbia
N.T.S. : 93L/15e Surveyed : October, 1996
Drawn by : JRA Surveyed by : JRA, RH
December, 1996 Plate G1B

6000 E 6200 E 6400 E 6600 E 6800 E 7000 E 7200 E 7400 E 7600 E 7800 E 8000 E

10000 N
9900 N
9800 N
9700 N
9600 N
9500 N
9400 N
9300 N
9200 N
9100 N
9000 N
8900 N
8800 N
8700 N

INSTRUMENTATION :

Base and Field : EDA OMNI-PLUS Combined Total Field
Proton Magnetometer and VLF-EM Receiver

Magnetics, VLF-EM In-Phase and Total Field Strength
are Base Corrected

Magnetics Range – High : 56,422.0 nT
– Median : 55,510.0 nT
– Low : 51,455.9 nT

Land Survey data not available

M4

55800.00
55780.00
55760.00
55740.00
55720.00
55700.00
55680.01
55660.00
55640.01
55620.01
55600.01
55580.01
55560.00
55540.00
55520.00
55500.00
55480.00
55460.00
55440.00
55420.00
55400.00

50 0 50 100 150
metres

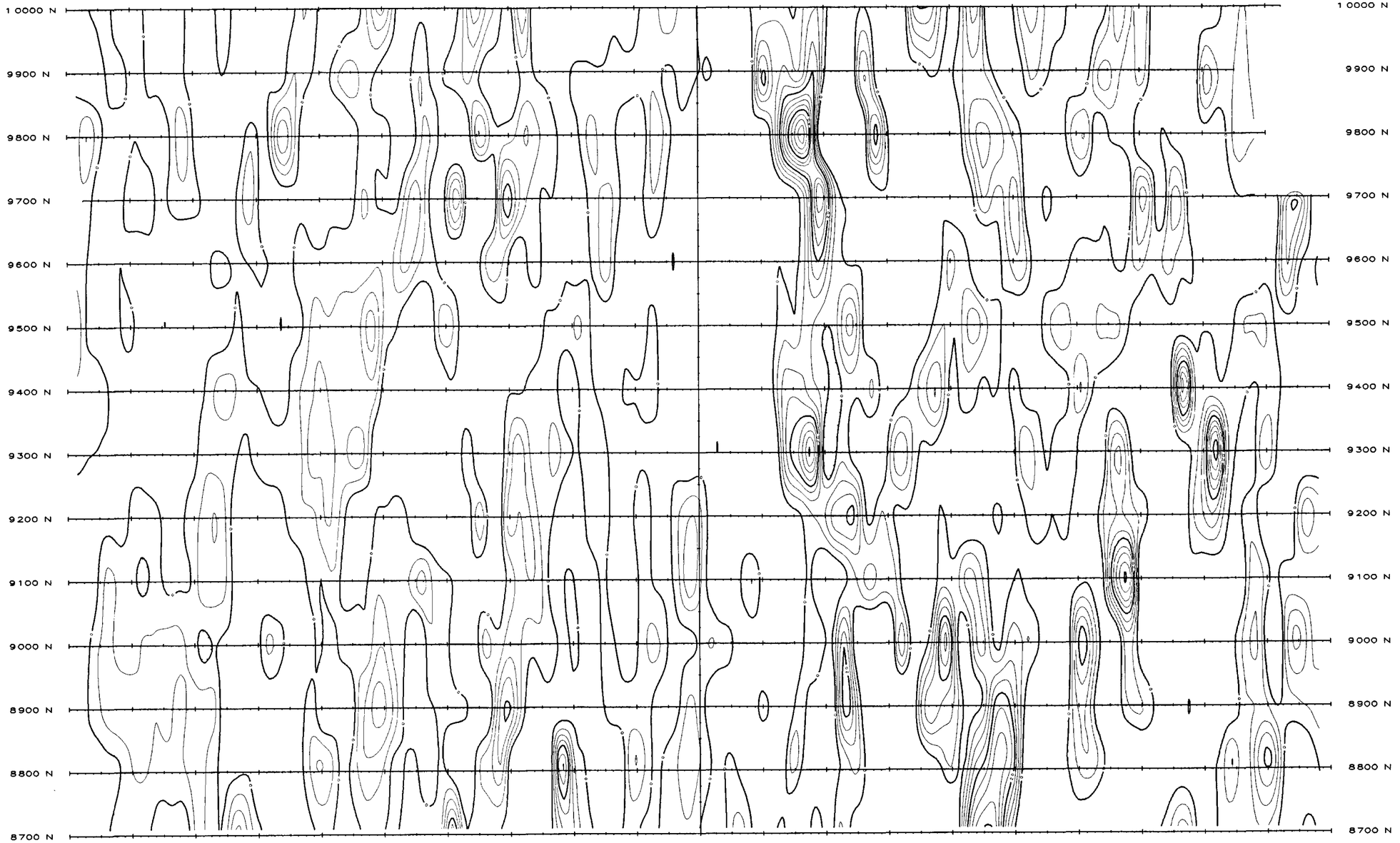
BLACK DOG MINING LTD.
ASCOT 1 – 22 CLAIMS
TOTAL FIELD MAGNETICS COLOUR CONTOURS

Omineca Mining Division, Smithers area, British Columbia
N.T.S. : 93L/15e Surveyed : October, 1996
Drawn by : JRA Surveyed by : JRA, RH
December, 1996 Plate G1C

SJ Geophysics Ltd./Equity Engineering Ltd.

6000 E 6200 E 6400 E 6600 E 6800 E 7000 E 7200 E 7400 E 7600 E 7800 E 8000 E

1 0000 N
9900 N
9800 N
9700 N
9600 N
9500 N
9400 N
9300 N
9200 N
9100 N
9000 N
8900 N
8800 N
8700 N



M5

INSTRUMENTATION :

Base and Field : EDA OMNI–PLUS Combined Total Field
Proton Magnetometer and VLF–EM Receiver

Magnetics, VLF–EM In–Phase and Total Field Strength
are Base Corrected

Contour interval: 5%/**20%**

Negative Value are Suppressed

50 0 50 100 150
metres

BLACK DOG MINING LTD.

ASCOT 1 – 22 CLAIMS

VLF–EM SURVEY
FRASER FILTERED DIP ANGLE
CONTOUR

VLF–EM Transmitter : 24.8 kHz (NLK) Seattle
Omineca Mining Division, Smithers area, British Columbia
N.T.S. : 93L/15e Surveyed : October, 1996
Drawn by : JRA Surveyed by : JRA, RH
December, 1996 Plate G2B

SJ Geophysics Ltd., Equity Engineering Ltd.

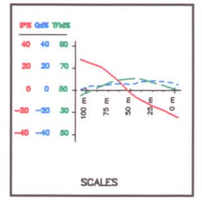
6000 E 6200 E 6400 E 6600 E 6800 E 7000 E 7200 E 7400 E 7600 E 7800 E 8000 E

10000 N
9900 N
9800 N
9700 N
9600 N
9500 N
9400 N
9300 N
9200 N
9100 N
9000 N
8900 N
8800 N
8700 N

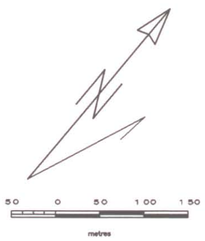
INSTRUMENTATION :

Base and Field : EDA OMNI–PLUS Combined Total Field
Proton Magnetometer and VLF–EM Receiver

Magnetics, VLF–EM In–Phase and Total Field Strength
are Base Corrected



SCALES



BLACK DOG MINING LTD.
ASCOT 1 – 22 CLAIMS
VLF–EM SURVEY
PROFILES

VLF–EM Transmitter : 24.8 kHz (NLK) Seattle

Omineca Mining Division, Smithers area, British Columbia
N.T.S. : 93L/15e Surveyed : October, 1996
Drawn by : JRA Surveyed by : JRA, RH
December, 1996 Plate G2A

SJ Geophysics Ltd./Equity Engineering Ltd.

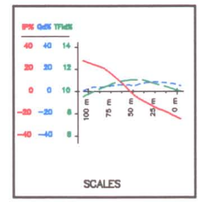
6000 E | 6200 E | 6400 E | 6600 E | 6800 E | 7000 E | 7200 E | 7400 E | 7600 E | 7800 E | 8000 E

10000 N | 9900 N | 9800 N | 9700 N | 9600 N | 9500 N | 9400 N | 9300 N | 9200 N | 9100 N | 9000 N | 8900 N | 8800 N | 8700 N

INSTRUMENTATION :

Base and Field : EDA OMNI-PLUS Combined Total Field
Proton Magnetometer and VLF-EM Receiver

Magnetics, VLF-EM In-Phase and Total Field Strength
are Base Corrected



50 0 50 100 150
metres

BLACK DOG MINING LTD.

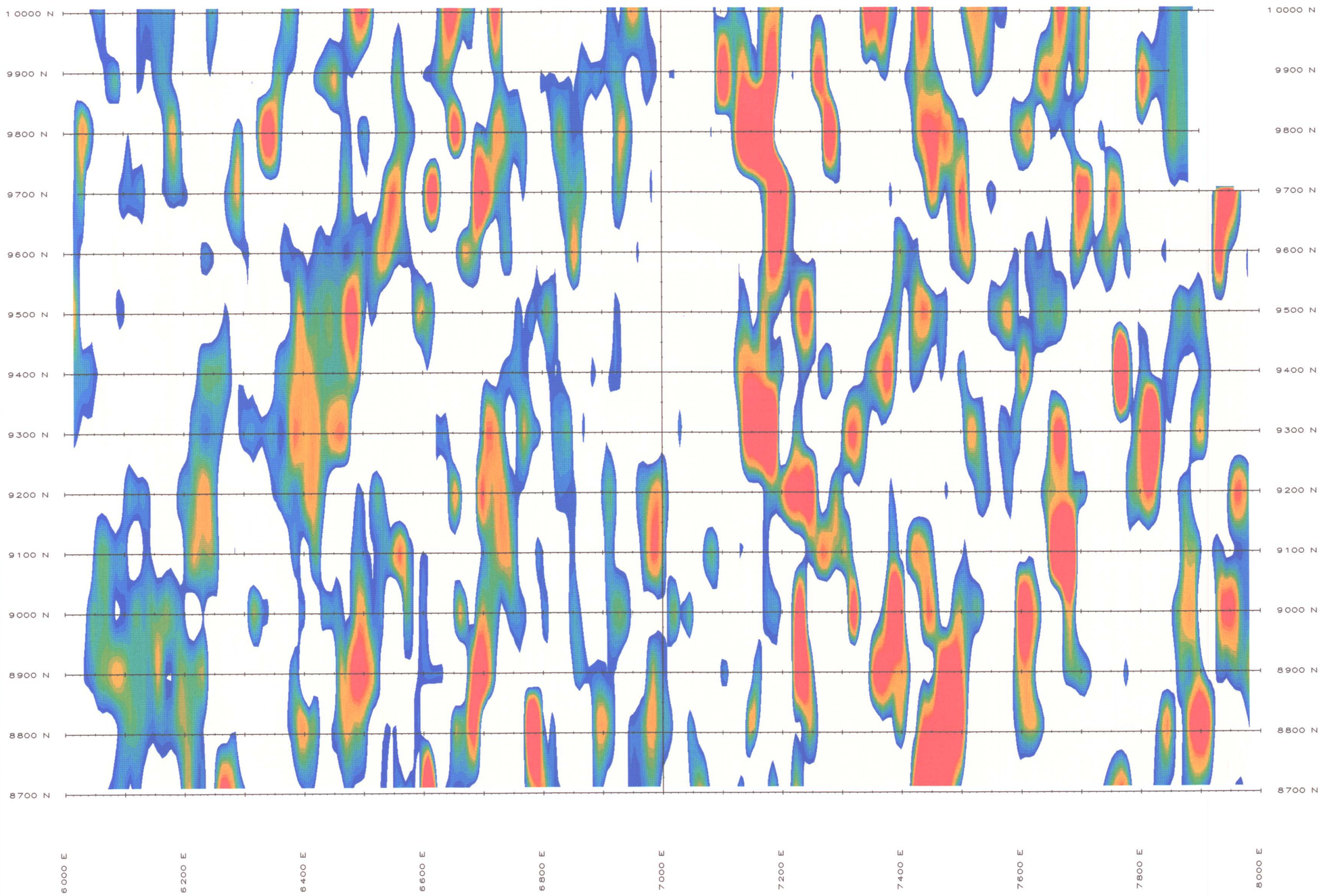
ASCOT 1 – 22 CLAIMS

VLF-EM SURVEY
PROFILES

VLF-EM Transmitter : 21.4 kHz (NPM) Hawaii

Omineca Mining Division, Smithers area, British Columbia
N.T.S. : 93L/15e Surveyed : October, 1996
Drawn by : JRA Surveyed by : JRA, RH
December, 1996 Plate G3A

SJ Geophysics Ltd./Equity Engineering Ltd.

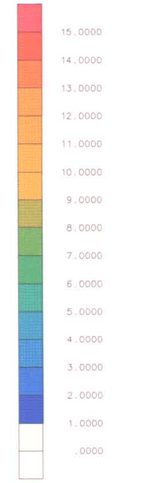


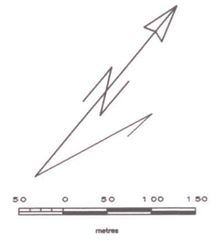
INSTRUMENTATION :

Base and Field : EDA OMNI–PLUS Combined Total Field
Proton Magnetometer and VLF–EM Receiver

Magnetics, VLF–EM In–Phase and Total Field Strength
are Base Corrected

Negative Value are Suppressed





BLACK DOG MINING LTD.

ASCOT 1 – 22 CLAIMS

VLF–EM SURVEY
FRASER FILTERED DIP ANGLE
COLOUR CONTOURS

VLF–EM Transmitter : 24.8 kHz (NLK) Seattle
Omineca Mining Division, Smithers area, British Columbia
N.T.S. : 93L/15e Surveyed : October, 1996
Drawn by : JRA Surveyed by : JRA, RH
December, 1996 Plate G2C

SJ Geophysics Ltd./Equity Engineering Ltd.

6000 E 6200 E 6400 E 6600 E 6800 E 7000 E 7200 E 7400 E 7600 E 7800 E 8000 E

10000 N 9900 N 9800 N 9700 N 9600 N 9500 N 9400 N 9300 N 9200 N 9100 N 9000 N 8900 N 8800 N 8700 N

INSTRUMENTATION :

Base and Field : EDA OMNI–PLUS Combined Total Field Proton Magnetometer and VLF–EM Receiver

Magnetics, VLF–EM In–Phase and Total Field Strength are Base Corrected

Contour interval: 2%/**10%**

Negative Value are Suppressed

50 0 50 100 150
metres

BLACK DOG MINING LTD.

ASCOT 1 – 22 CLAIMS

VLF–EM SURVEY

FRASER FILTERED DIP ANGLE CONTOUR

VLF–EM Transmitter : 21.4 kHz (NPM) Hawaii

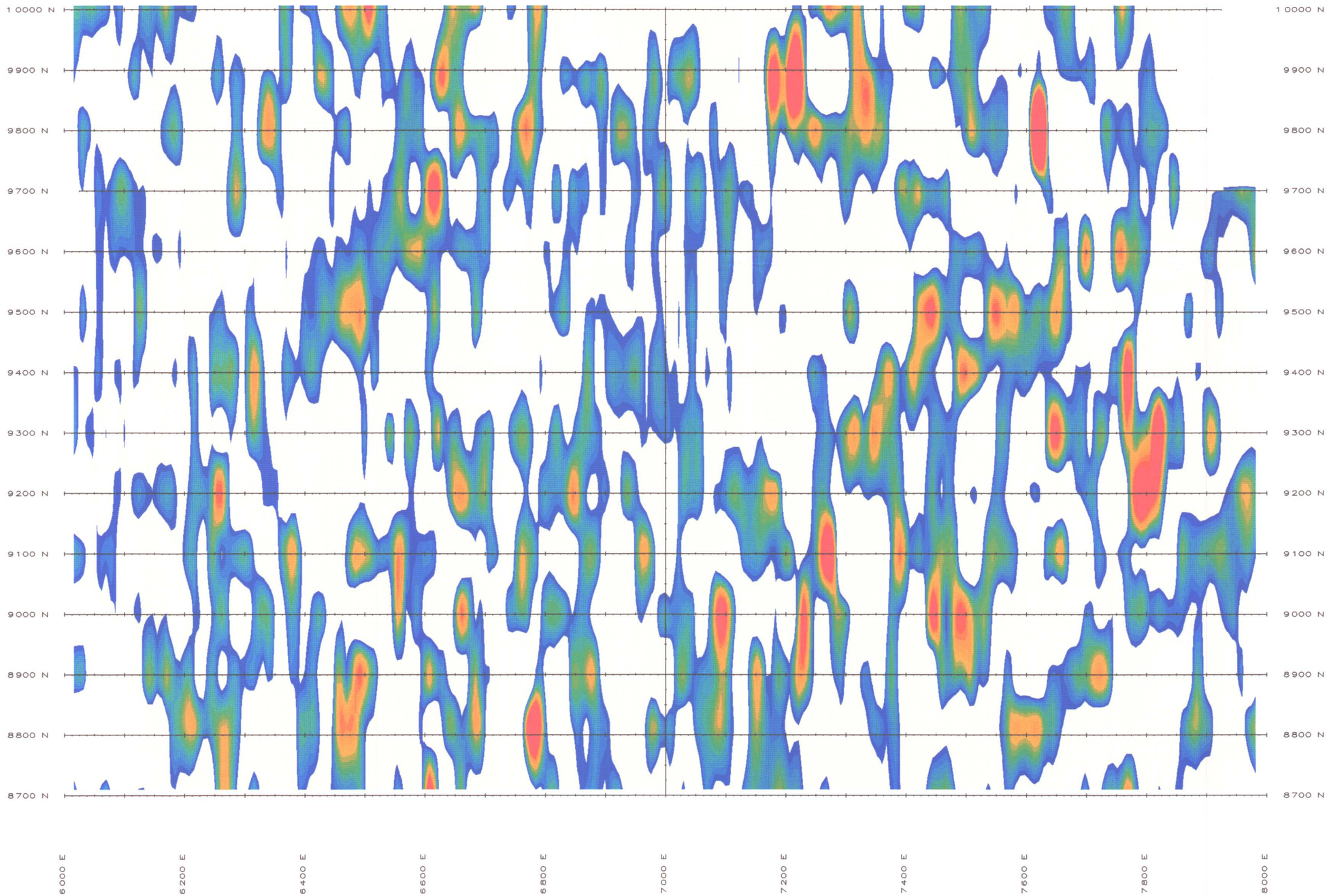
Omineca Mining Division, Smithers area, British Columbia

N.T.S. : 93L/15e — Surveyed : October, 1996

Drawn by : JRA — Surveyed by : JRA, RH

December, 1996 — Plate G3B

SJ Geophysics Ltd./Fault Engineering Ltd.

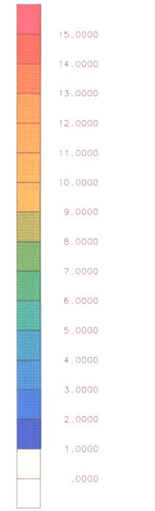


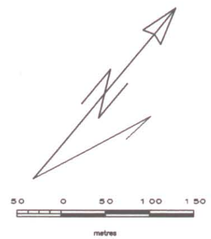
INSTRUMENTATION :

Base and Field : EDA OMNI–PLUS Combined Total Field
Proton Magnetometer and VLF–EM Receiver

Magnetics, VLF–EM In–Phase and Total Field Strength
are Base Corrected

Negative Value are Suppressed





BLACK DOG MINING LTD.

ASCOT 1 – 22 CLAIMS

VLF–EM SURVEY
FRASER FILTERED DIP ANGLE
COLOUR CONTOURS

VLF–EM Transmitter : 21.4 kHz (NPM) Hawaii
Omineca Mining Division, Smithers area, British Columbia
N.T.S. : 93L/15e Surveyed : October, 1996
Drawn by : JRA Surveyed by : JRA, RH
December, 1996 Plate G3C

SJ Geophysics Ltd./Equity Engineering Ltd.

6000 E 6200 E 6400 E 6600 E 6800 E 7000 E 7200 E 7400 E 7600 E 7800 E 8000 E

1 0000 N
9900 N
9800 N
9700 N
9600 N
9500 N
9400 N
9300 N
9200 N
9100 N
9000 N
8900 N
8800 N
8700 N

B
C
A

INSTRUMENTATION :

Base and Field : EDA OMNI-PLUS Combined Total Field
Proton Magnetometer and VLF-EM Receiver

Magnetics, VLF-EM In-Phase and Total Field Strength
are Base Corrected

LEGEND

VLF-EM CONDUCTORS

- Good Conductor – Seattle
- Medium Conductor – Seattle
- Poor Conductor – Seattle
- Good Conductor – Hawaii
- Medium Conductor – Hawaii
- Poor Conductor – Hawaii
- Magntic Dyke

MAGNETIC BACKGROUND IN nT

- 55700.00
- 55600.00
- 55500.00
- 55400.00

50 0 50 100 150
metres

BLACK DOG MINING LTD.
ASCOT 1 – 22 CLAIMS
COMPILATION MAP

Omineca Mining Division, Smithers area, British Columbia
N.T.S. : 93L/15e Surveyed : October, 1996
Drawn by : JRA Surveyed by : JRA, RH
December, 1996 Plate G5

SJ Geophysics Ltd./Equity Engineering Ltd.

6000 E 6200 E 6400 E 6600 E 6800 E 7000 E 7200 E 7400 E 7600 E 7800 E 8000 E

10000 N
9900 N
9800 N
9700 N
9600 N
9500 N
9400 N
9300 N
9200 N
9100 N
9000 N
8900 N
8800 N
8700 N

INSTRUMENTATION :

Lacoste & Romberg Model G Gravity Meter

4685.00
4684.00
4683.00
4682.00
4681.00
4680.00
4679.00
4678.00
4677.00
4676.00
4675.00
4674.00
4673.00
4672.00
4671.00
4670.00
4669.00
4668.00
4667.00
4666.00
4665.00
4664.00
4663.00
4662.00
4661.00
4660.00

50 0 50 100 150
metres

BLACK DOG MINING LTD.

ASCOT 1 – 22 CLAIMS

BOUGUER GRAVITY (mGal) COLOUR CONTOURS

Omineca Mining Division, Smithers area, British Columbia

N.T.S. : 93L/15e — Surveyed : October, 1996

Drawn by : JRA — Surveyed by : JRA, RH

December, 1996 — Plate G4

SJ Geophysics Ltd./Equity Engineering Ltd.