

Ridgemont Iron Ore Corp.

**EXPLORATION EVALUATION OF THE
MERRY WIDOW PROPERTY**

**BC Geological Survey
Assessment Report
33043**

Location:

Nanaimo Mining Division

NTS 92F/03, 04 & 92C/13, 14
NAD 83

Latitude: 50°21' N, Longitude: 127°15' W
UTM Zone 9; 5579000 N, 625000 E

Project Period:

August 3rd, 2011 to August 19th, 2011

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Submitted:

January 18, 2013

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1.0 INTRODUCTION

Under a prearranged agreement, Ridgemont Iron Ore Corp carried out a ground-based magnetometer survey, conducted solely for the purpose to investigate the magnetite potential within and surrounding the historical Merry Widow, Raven and Kingfisher mines. Based on previous exploration records, several magnetite showings are present in the vicinity of these old mines and no previous work had been done to determine their size and orientation.

A second stage resource review was done to determine whether the downward mineral extension within the Merry Widow and Kingfisher Mines hosted sufficient tonnage potential. This report describes the nature, extent and results of the field work completed from August 3rd, 2011 to August 19th, 2011.

1.1 *Property Description and Location*

The Merry Widow Property is situated in the Nanaimo Mining Division, about 40 kilometres south west of Port McNeil on Vancouver Island (Figure 1). The property is situated on NTS 1:50,000 scale map sheet 92L/06 and is centered at approximately 50 21' N latitude, 127 15' W longitude with UTM coordinates 625000mE, 5579000mN; NAD 83 Zone 9 and B.C. Geographic System 1:20,000 scale map sheets 91L/025, 34, 35, 43, 44. The property is bordered on the north and east by Alice, Kathleen and Benson lakes and on the south and west by Victoria Lake and Neroutsos Inlet. The property covers Merry Widow Mountain and projects to the northwest to the height of land above Rumble Beach.

The Property consists of 76 cell mineral claims and 56 Crown granted mineral claims, acquired either through staking, purchase or through Option agreements. The property covers an area of approximately 23,540 hectares.

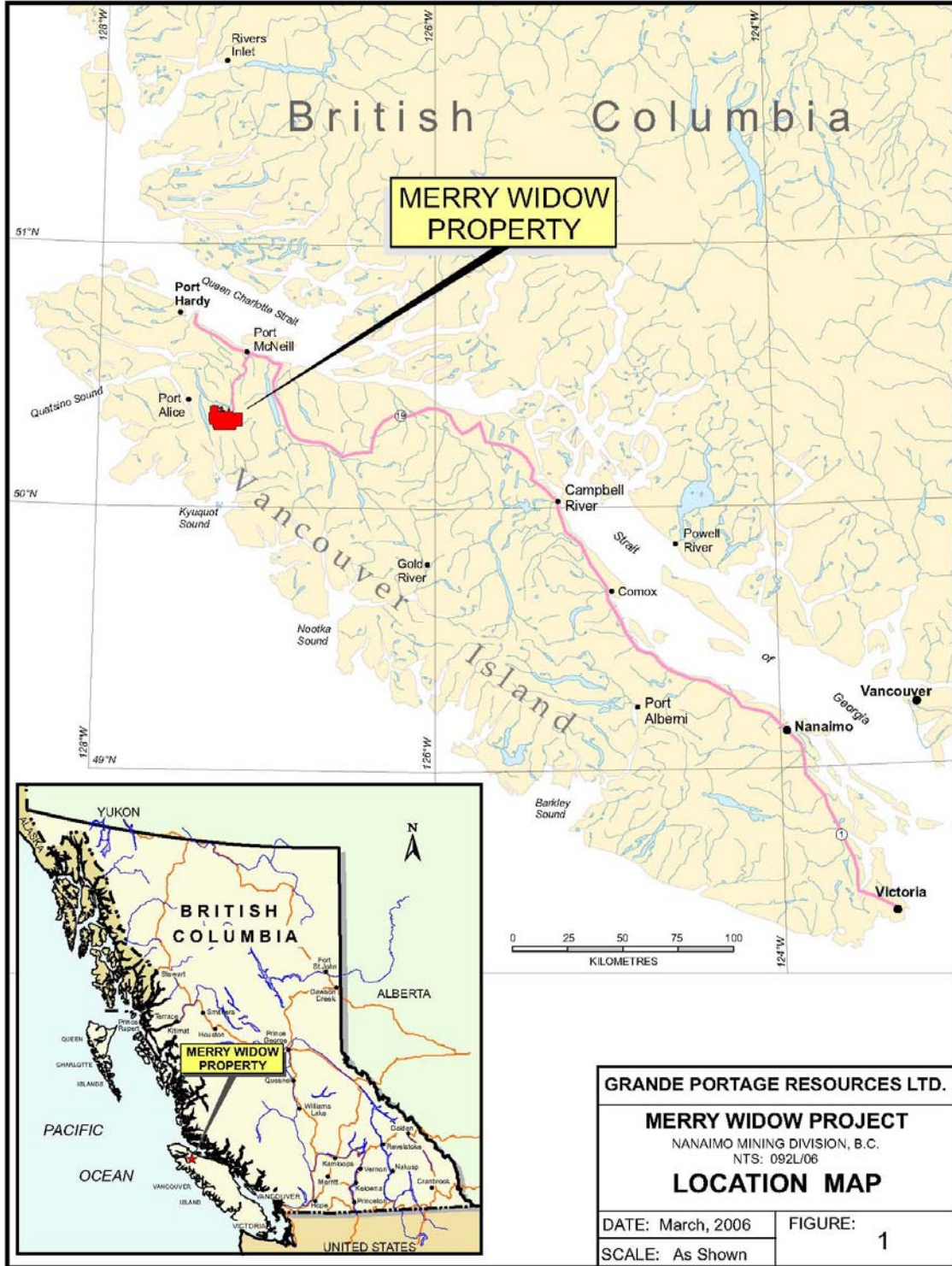


Figure 1.1.1: Merry Widow Property Location Map

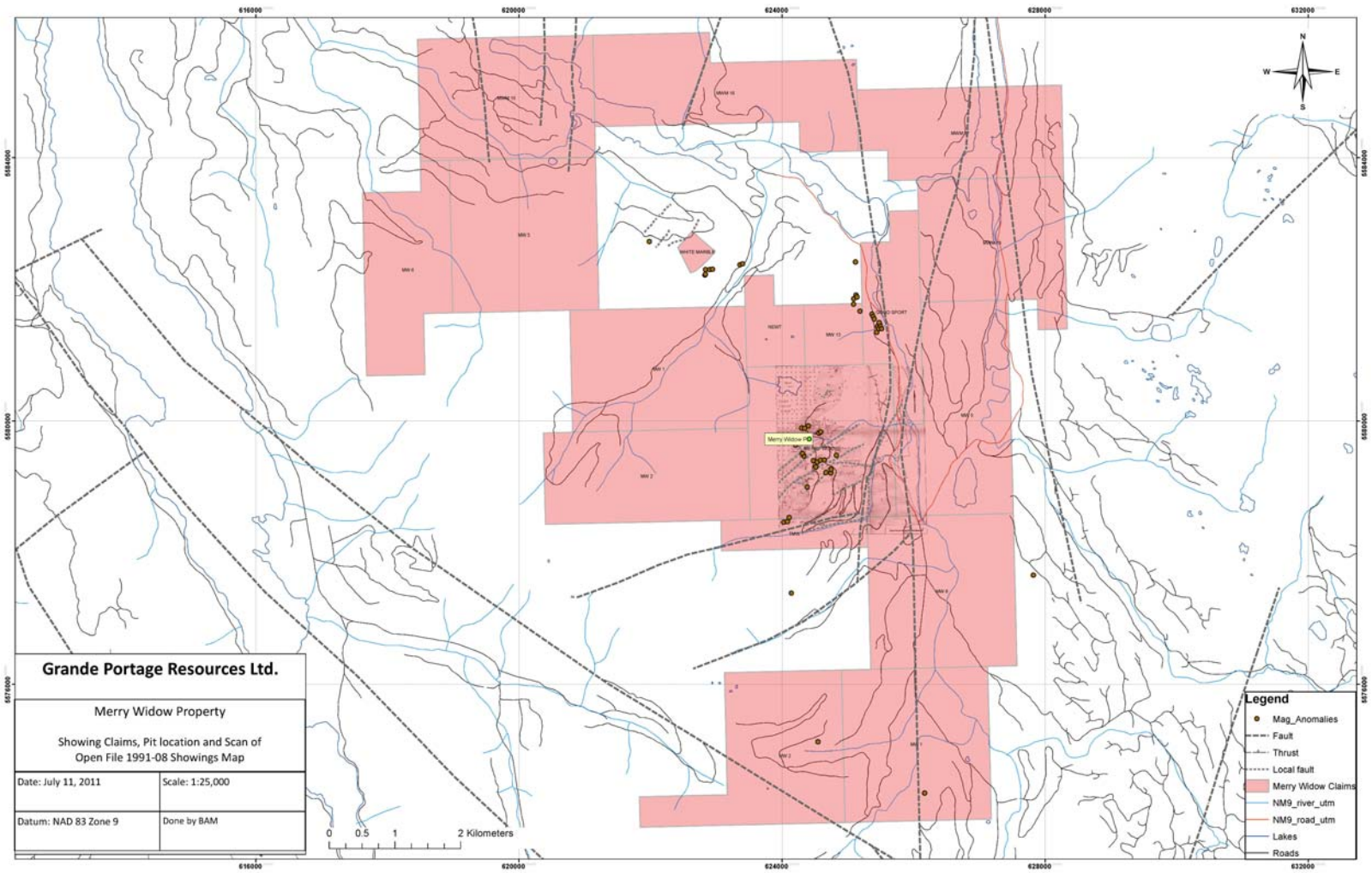


Figure 1.1.2: Merry Widow Property Claims Map

Tenure #	Claim Name	Current Owner/ Operator	Good-to Date	Area (ha)
379747	WHITE MARBLE	Grande Portage Resources	2013/oct/29	25.0
512835		Grande Portage Resources	2013/oct/29	412.523
512842	TMW	Grande Portage Resources	2013/oct/29	103.113
512853	GOOD SPORT	Grande Portage Resources	2013/oct/29	226.703
512857	NEWT	Grande Portage Resources	2013/oct/29	103.053
523874	MW 1	Grande Portage Resources	2013/oct/29	494.707
523875	MW 2	Grande Portage Resources	2013/oct/29	433.0
523879	MW 5	Grande Portage Resources	2013/oct/29	494.771
523880	MW 6	Grande Portage Resources	2013/oct/29	515.628
523890	MW 13	Grande Portage Resources	2013/oct/29	82.442
529814	MW 1	Grande Portage Resources	2013/oct/29	515.825
529815	MW 2	Grande Portage Resources	2013/oct/29	474.582
529821	MW 5	Grande Portage Resources	2013/oct/29	515.11
531451	MERRY WIDOW	Grande Portage Resources	2013/oct/29	515.425
537897	MWM 15	Grande Portage Resources	2013/oct/29	494.311
537898	MWM 16	Grande Portage Resources	2013/oct/29	494.311
537899	MWM 17	Grande Portage Resources	2013/oct/29	411.98
537900	MWM 18	Grande Portage Resources	2013/oct/29	432.716
935489	GPG 6	Grande Portage Resources	2014/jul/10	247.9569
935509	GPG 7	Grande Portage Resources	2013/oct/18	474.8249

Table 1.1.1: Merry Widow Property claims list

1.2 Accessibility

Access is via a series of logging roads crossing Highway 19 from either Port McNeil or Port Hardy. The property is approximately 30 kilometres south of Port McNeil and 50 kilometres South of Port Hardy.

1.3 Climate and Physiography

The climate is typical of northern Vancouver Island with hot dry summers and mild winters with heavy rainfall. Snowfall can also be heavy during the winter months. The area is characterized by steep terrain with elevations ranging from 250 m ASL at the Benson River to 1200m above means sea level on the east flank of Merry Widow Mountain. Vegetation is thick on much of the east-facing slope with dense stands of hemlock, cedar and spruce. Thick underbrush occupies creek drainages and some slopes making foot traverses difficult.

1.4 Local Resources and Infrastructure

The property has access to good infrastructure and to tide water facilities at Port Alice and Port McNeil. A well maintained haul road accesses the Port Alice facilities and major logging haul roads access Port McNeil. A 25,000 volt BC Hydro power transmission lines bisect the property and carries electricity generated at the Maynard lake dam located just east of the property. The dam is currently in the process of being upgraded. Accommodations, food and shops to purchase supplies, hardware and camp-related materials were all readily available in Port McNeil. Rented accommodations in Port McNeil were provided for the field staff.

2.0 GEOLOGICAL SETTING

2.1 Regional Geological Setting

The oldest rocks in the area are the early Upper Triassic Karmutsen volcanic rocks consisting of pillow basalts and andesite. The Karmutsen Formation is overlain by the middle Upper Triassic Quatsino Formation, a limestone sequence estimated at 600-1,200 metres

thick. The top third of the sequence contains argillaceous layers. Regionally the Quatsino Formation strikes south-easterly and dips gently to the southwest.

The late Upper Triassic Bonanza Volcanic rocks overlie the Quatsino limestone sequence. This package consists of massive andesitic to dacitic flows and tuffs containing feldspar phenocrysts. Locally the Bonanza Formation is underlain by an argillaceous sedimentary package with gradational contacts between the two.

Fine grained andesitic dykes and sills intrude the Quatsino and Bonanza Formations. These dykes and sills have a similar appearance to the host volcanics and are difficult to differentiate. These are possibly feeders to the Bonanza volcanic rocks.

The entire assemblage, consisting of Karmutsen, Quatsino and Bonanza Formations, is intruded by the Coast Copper Stock to the west. All three formations, which dip gently to the west, become gently buckled near the contact with the Coast Copper Stock. The Coast Copper Stock is a multiphase intrusion with a composition that varies from gabbroic margins to quartz monzonite centres. The age the Coast Copper stock is estimated as mid Jurassic.

Two major structures, the Kingfisher and South Creek Faults, are parallel faults striking north-easterly and thought to be responsible for localizing the skarn zones in the vicinity of the open pit. Numerous other large and small scale structures are evident and may also be conduits for mineralizing solutions.

2.2 Property Geology

Four main rock types occur on the property, the Bonanza volcanics, Quatsino limestone and the Karmutsen volcanics which are intruded by gabbros and diorites of the Coast Copper Stock and the Kehoe Stock.

Skarn zones are present in the Merry Widow open pit as well as in several outcrops proximal to limestone-volcanic contacts. Three main types of skarns have been observed (Clarke, 1988). Closest to the intrusive rocks is a massive, medium to dark brown garnetoid skarn, characterized by well-formed, coarse grained garnets. As you move away from the intrusion the granitoid skarn grades into a garnet-actinolite skarn, then a actinolite skarn and finally a

fine-grained epidote skarn. Magnetite is associated with most of the skarn zones and is present in structures cutting across recrystallized limestone.

Predominately two types of mineralization associated with skarns and skarn related structures occur on the property.

- 1) Massive magnetite and magnetite-calcite skarn,
- 2) 2) Gold and copper bearing sulphide mineralization associated predominately with actinolite skarn

Magnetite forms as tabular bodies, lenses and as fracture fillings, lying sub parallel to the easterly dipping gabbro-diorite intrusive contact and along the easterly trending Kingfisher fault zone.

Minor chalcopyrite and pyrites present in the calcite matrix within the magnetite. Sulphide mineralization is mainly concentrated in the northeast walls of the Merry Widow open pit. The sulphides are associated with the actinolite skarn and in places in the calcite matrix.

The sulphides present in order of decreasing abundance are, pyrrhotite, chalcopyrite, pyrite, arsenopyrite and cobaltite. The sulphides form massive bodies within the contact of the Bonanza volcanics and the Quatsino limestone.

The extensive Old Sport-Benson lake skarn lies close to the Quatsino-Karmutsen contact along the eastern portion of the property. It consists of discontinuous ore lenses the dip about 40 degrees to the west. Mineralization is characterized by magnetite, chalcopyrite, bornite, pyrite, lesser pyrrhotite and trace gold.

The contact between the base of the Bonanza and the Quatsino limestone contains extensive faulting, skarn alteration and mineralization. This contact one lies close to the exposed edge of the Coast Copper Intrusive suite, and has been complicated by the intrusion of numerous dykes, sills and breccia filled volcanic pipes.

3.0 DEPOSIT HISTORY

There has been over 100 years of prospecting, staking, exploration and mining within the boundaries of the property. Occurrences of copper are reported to have been discovered in 1897 along the Old Sport horizon near the Benson River on the east slope of Merry Widow Mountain. The subsequent claim staking that eventually covered the whole property started at that time.

A group of six claims was staked for copper in 1911 and many of the other claims which comprise the subject property were probably staked and crown granted around that time.

The Consolidated Mining and Smelting Company of Canada Limited acquired control of the claims adjoining and to the north of the property in 1916 and immediately started exploration and underground development of the copper, gold, silver and iron mineralization along the Old Sport horizon through their subsidiary, Coast Copper Company Limited.

Apart from a period of inactivity in 1921 and 1922, development continued until 1931, when economic conditions forced the closure of operations. At that time, development included about 5 miles of underground workings and many thousands of feet of diamond drilling. There was an established camp, a hydro-electric generating system on the Raging River that provided all power, including Jeune Landing at tidewater on the west coast of Vancouver Island. Following 1931 these assets fell into decay.

Quatsino Copper Gold Mines, who held the subject property, explored the claims aggressively during the period 1929-1931 until work was suspended in 1939 because of the depression and later the Second blocked out a substantial tonnage of magnetite ore during the period 1930-1952. World War, discovered magnetite at the pit area and

Merry Widow, Kingfisher Magnetite Development

In 1956 the Empire Development Co. Ltd. was formed to mine the Merry Widow magnetite deposit. Ownership of the mine was 60% Mannix Ltd. and 40% Quatsino Copper Gold Mines. During the period 1957 to 1962 the open pit was mined to its economic limits. In

1964, the Kingfisher adit, which had been driven under the adjoining Kingfisher pits to mine the lower sections of those ore bodies, was extended to the Merry Widow ore zone. Extraction of magnetite ore from underground draw points continued until 1967. During its mine life total production from Merry Widow, Kingfisher and Raven open pits and the Kingfisher and Merry Widow underground operations totalled 3,371,815 tonnes which yielded 1.68 million tonnes of magnetite. Several zones of massive sulphide mineralization occurring proximal to the Merry Widow open pit were identified by the Empire Development Co. Ltd. geological staff. These zones were not exploited by the company as the sulphide zones were viewed as a nuisance by management since the magnetite was penalized for sulphur content and that rock termed "coppery mineralization" was either discarded or left in place.

The Merry Widow deposit occurs as 3 stacked lenses containing massive magnetite within Lower Jurassic Bonanza Group volcanoclastics and underlying Upper Triassic Vancouver Group, Quatsino Formation limestone. The occurrence lies several hundred metres east of the diorite to gabbro Coast Copper or Benson Lake stock of the Early to Middle Jurassic Island Plutonic Suite.

The sediments and volcanics are north to northwest striking and west dipping. The intrusion has locally modified attitudes. The north striking intrusive contact dips 90 to 70 degrees eastward; but in the vicinity of the open pit it dips only 55 degrees east. Contact metamorphism of limestone is limited to recrystallization, with destruction of bedding features. The volcanic rocks (clastics, pyroclastics and flows) are hornfelsed with local lenses of garnet- epidote-actinolite-diopside-chlorite skarn. Intrusive greenstone sills, dikes and masses, and crosscutting dykes of andesite, alaskite, diabase and granodiorite are present. Northeast trending faults, dipping south, predominate.

The upper lens of the main deposit occurs as two distinct ore zones, separated laterally by about 30 metres of unmineralized skarn. The upper lens measures 104 metres in diameter, is 17 metres thick and dips 30 degrees east. Limestone abruptly terminates the mineralization down dip. The middle lens is separated from the upper by 12 metres of barren, skarned volcanic rock through which passes a flat-lying thrust fault. The middle lens is 85 metres wide and 9 metres thick.

The lowermost lens lies along the gabbro contact and is separated from it by a thin skarn rind. It has been explored for 165 metres down dip, where the lens thins considerably from a 12-metre maximum width near its' upper limit (Property File – J.C. Lund, 1966).

Magnetite mineralization in the lenses is massive, with sharp contacts where enclosed by limestone. Contacts with volcanic and intrusive rocks are less distinct, with disseminated magnetite occurring at some distance away from the massive lenses, giving a gradational change in magnetic distribution. Bedding structures can in places be traced into magnetite. Ore locally passes outward into stringers along bedding planes or follows dikes and sills in limestone.

Small amounts of arsenopyrite with pyrrhotite, sphalerite, marcasite, cuprite, chalcopyrite and calcite are reported. A north striking fault south of the open pit hosts small amounts of iron and copper sulphides and cobaltite with cobalt bloom (erythrite). Minor pyrite, chalcopyrite and pyrrhotite accompanied by quartz are present. Jefferey (Minister of Mines Annual Report 1960, page 97) believes this latter mineralization to be later than the magnetite, and that the ore body is the result of successive mineralization periods of silicates (skarn), oxides, sulphides and carbonate emplacement. Commercial ore has developed where the intrusive contact has locally the lowest dip, and where the bulge in the intrusion has caused a change in the strike of the layered rocks. In addition, northeast striking faults are believed to localize mineralization (Minister of Mines Annual Report 1960, page 97).

Benson Lake, Old Sport Mine Development

In 1960 Coast Copper, after a long history of development work, brought the Benson Lake mine into production. Coast Copper also made an agreement with Quatsino to mine the southern extension of the Old Sport horizon which underlies the present property at depth.

The Old Sport mine lies within Upper Triassic Vancouver Group, Karmutsen Formation volcanics comprised of fine to medium-grained andesite, basalt and porphyritic flows. The volcanics are conformably overlain by Upper Triassic Vancouver Group, Quatsino Formation limestone. Bedded rocks strike northwest and dip about 35 degrees to the west. The Vancouver Group rocks are intruded by the "Coast Copper stock" of the Early-Middle Jurassic Island Plutonic Suite. The contact dips 70 degrees to the northeast. Volcanic rocks have undergone pyrite, sericite, epidote and carbonate alteration.

Near the top of the Karmutsen Formation a thin limestone unit is overlain by a conformable diorite sill (the “included diorite” of early reports) that has been suggested to constitute a 3 to 24 metre thick flow (Minister of Mines Annual Report 1960, page 98). Both Quatsino and Karmutsen limestone have been replaced by garnet-epidote-magnetite-calcite-chalcopyrite-bornite mineralization. The lower ore horizon, below the diorite sill is referred to as the Old Sport Horizon. The upper horizon of lesser continuity is called the Hanging Wall Horizon. The Old Sport Horizon has been developed south to the Benson Lake mine (092L 091), a distance of more than 3 kilometres.

During the period 1960-1973 the Old Sport horizon in the Coast Copper and Benson Lake mines produced 2,621,131 tonnes of ore which yielded 90,814,161 pounds of copper; 377,165 oz of silver; 124,386 oz of gold; 507,207 tonnes of iron. It should be noted that production from 1968 to 1972 was derived almost exclusively from ore hosted in the Benson Lake mine located on Grande Portage’s present property.

Magnetite, chalcopyrite and local bornite constitute the main ore minerals. Pyrite is widely distributed; pyrrhotite occurs locally. Minor gold and silver are associated with chalcopyrite. The chalcopyrite occurs as veinlets (plus or minus quartz) and disseminated grains in sill-like lenses, skarn and magnetite. Ore shoots are discontinuous, and their control is not evident.

Taywin Exploration 1989-1992

During the period 1989-1992 Taywin Resources Ltd explored the property for its gold bearing massive sulphide deposits. Approximately \$500,000 was spent on the property. Work included mapping, trenching, surface sampling and diamond drilling of 2,850m (10,000 ft) in 42 holes and ± 120 reverse circulation drill holes. A pre-feasibility study was initiated to mine and extract only the copper-gold ore in the Merry Widow pit area with milling to be undertaken at BHP-Utah’s then producing Island Copper open pit porphyry mine at Port Hardy.

2005 Exploration Program

Between November 1st and November 30th of 2005 Grande Portage Resources contracted crews from Nicholson and Associates to establish 8.5 line kilometres of survey grid which was subsequently tested by crews from SJ Geophysics/ S.J.V. Consultants Ltd. by an Induced Polarization survey covering the grid area. During grid establishment a total of 8 silt

and 5 moss mat samples were collected from various creeks draining the grid area, all returned values elevated in copper. A total of 30 rock samples were collected at points on the grid and from rock outcrops located along the access logging roads. A total of \$113,096.96 was spent in the conducting of the IP survey and collecting silt, moss mat and rock samples.

2007 Exploration Program

Throughout 2007 geochemical, geological and geophysical surveys were conducted along with a 6,265.27 metre (46 hole) drilling program. Drilling intersected massive magnetite and erratic sulphide mineralization. The geochemical surveys outlined four areas for follow-up prospecting and mapping. The airborne survey

4.0 2011 EXPLORATION PROGRAM

In August 2011, Ridgemont Iron Ore Corp. conducted a small exploration program on the property to evaluate the iron ore potential. The program consisted of ground geophysics and prospecting and sampling. Two 2-man crews used existing roads for access and traverse lines. Due to the steep terrain and rock outcrops as bluffs, some planned traverses had to be re-routed.

4.1 *Magnetic Ground Survey*

Geophysical traverses were set up to cross potential traps for mineralization, as well as cover ground where there was no apparent historical data for ground-based geophysics. Areas determined for traverses were also chosen in part by analyzing results from airborne magnetic surveys that were flown in previous years. Airborne geophysics highlighted a linear N-S trending area showing an anomalous magnetic response. Also, a few small isolated zones on the airborne geophysical map indicated a high magnetic response similar to that from the Merry Widow and Kingfisher Pits -areas of known magnetite skarn mineralization. A portion of time was spent looking for and validating locations of showings noted on the

BCGS website and in historical literature. Moreover, outcrops were noted throughout all traverses corresponding to the regional geology maps, as well as to identify correlations between ground-based magnetic data and rock type. Furthermore, work was also focused around the area of the Keystone Intrusion and at the contact to the Quatsino Formation as historical showings appeared to be present at or very close to that contact.

Use of a ground-based portable magnetometer and handheld Garmin GPS units were implemented over traverses with sample spacing of 25-metres. Each station was entered in the GPS unit and marked in the field using coloured flagging tape. A base unit Magnetometer was set up approximately 200 metres up the entrance to Merry Widow Trail, the main access route to the Merry Widow Pit. Metal objects, such as vehicles, have a slight effect on the readings taken by the base unit, so to reduce the amount of error, steps such as a location with the least amount of 'noise' was chosen. The base unit and units used in the field were time-synced each morning before starting traverses so that processing in the evening would be accurate. The base unit automatically took a reading every 4 seconds until it was stopped manually at the end of the day. The survey covered approximately 30 line kilometres.

Data from magnetometers and GPS units was processed daily using collection and editing software. Each day, data from both the GPS and Magnometer units was 'dumped' onto a computer and processed through Gmlink, UE Studio, and Microsoft Excel. Data from the base unit and rover units, -the units used in the field – were diurnally corrected to account for variations in day-to-day readings. The data was then merged with GPS information taken at each station, and the edited data was gridded using a graded colour scheme for a range of values.

4.2 *Prospecting and Sampling*

Rock samples were taken over the property claims at random and bagged for analysis. A series of channel samples was taken in the Merry Widow pit across a 5-metre wide massive magnetite-bearing skarn with 1-metre spacing to determine a sulfur content of the iron ore. Spacing was set out using a tape measure and marked with spray paint. A rock chisel and mallet were used in the collection of channel samples. Samples were bagged, sample tags

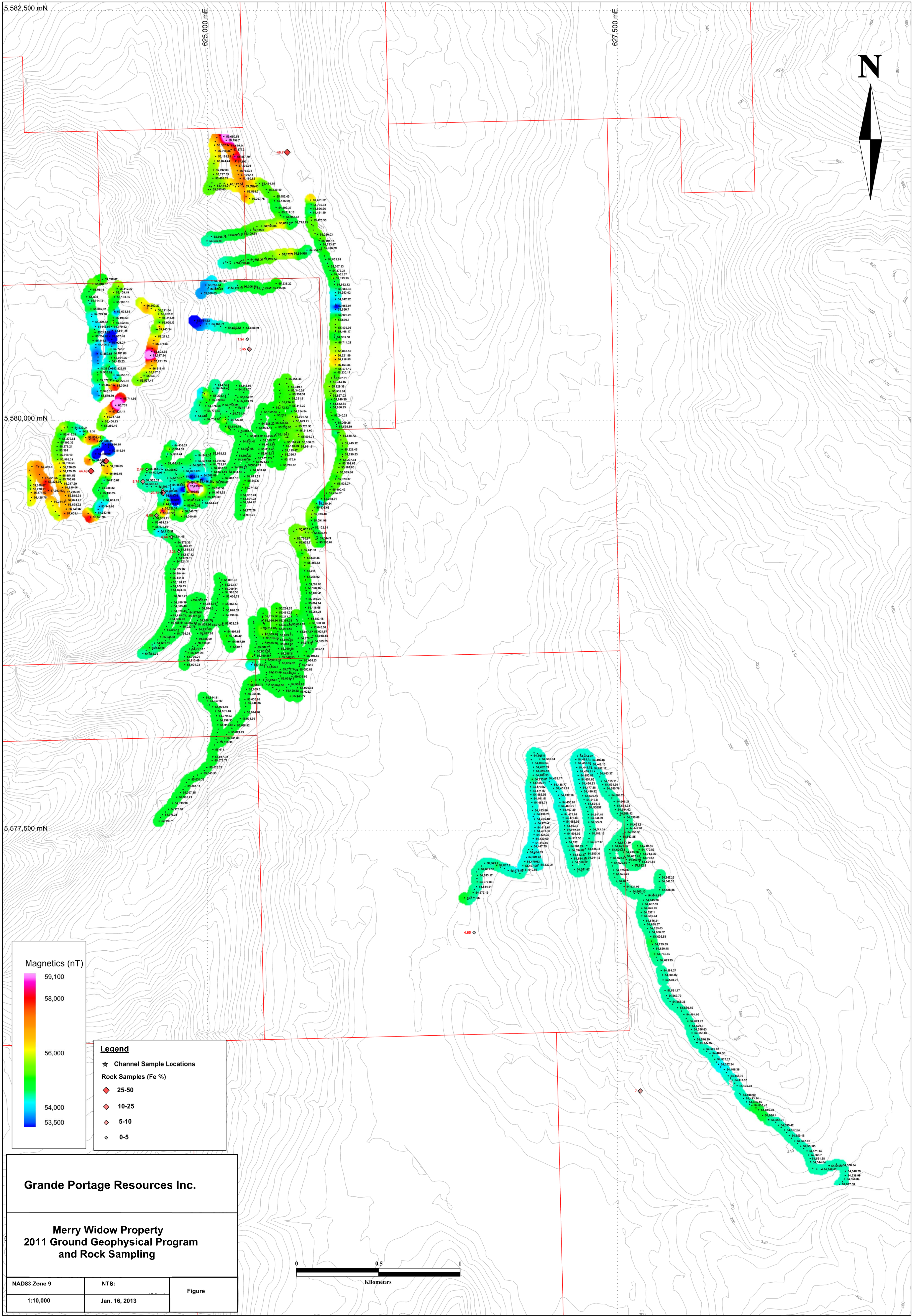
were put in the bags, and they were shipped for assay to Acme Analytical Laboratories, Vancouver BC.

A selection of rock samples was analyzed using a Niton portable XRF. The portability and speed of use of the XRF was useful as a tool for determining targets for ongoing traverses. Channel samples taken from the Merry Widow pit were shipped via Greyhound to Acme Metallurgical Labs for assay under the Satmagan program. Emphasis was placed on determining the weight percentage of Sulfur in the channel samples, as well as calculating the Fe content of each sample.

4.4 Results

Figure 4.1 shows the results of magnetometer surveys. The graded colour scheme highlights areas of interest with a red to purple colour. The majority of the area surveyed appears to have a background magnetic response of 54,000-56,000nT, which correlates with visible outcrop of magnetite. Due to deep undergrowth and steep terrain, locating outcrop without the aid of a magnetometer in places was difficult. There are small colour graded areas that appear as dots on the map, which highlight results of greater than 60,000nT. These areas appear to coincide with outcrops of massive magnetite and/or massive sulphides, noted in historic showings. Massive magnetite in outcrop was limited to 2 small 3-metre wide outcrops as well as in the Merry Widow and Kingfisher pits. Massive pyrrhotite, as well as other sulphides were the main mineralization noted in the showings and were evident by a purple weathering colour at surface.

Assay results from channel samples and rock sample analyses using the XRF can be found in Appendix D. Channel samples tested up to 94.0% magnetite, with highest sulphur values of 0.269%. High sulphur values have been reported from ore at the Merry Widow but this channel sample set appears to dismiss that finding for the area sampled.



5,582,500 mN

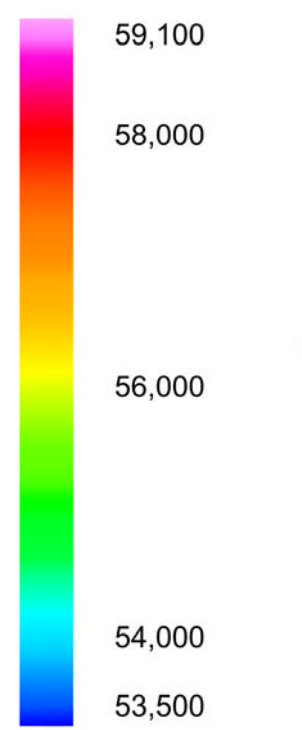
625,000 mE

627,500 mE

5,580,000 mN

5,577,500 mN

Magnetics (nT)



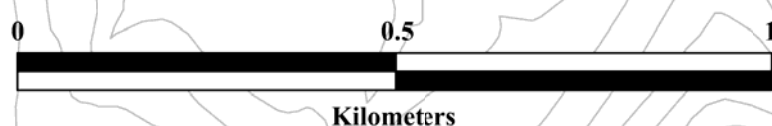
Legend

- ★ Channel Sample Locations
- Rock Samples (Fe %)**
- ◆ 25-50
- ◆ 10-25
- ◆ 5-10
- ◆ 0-5

Grande Portage Resources Inc.

**Merry Widow Property
2011 Ground Geophysical Program
and Rock Sampling**

NAD83 Zone 9	NTS:	Figure
1:10,000	Jan. 16, 2013	



5.0 DISCUSSION AND CONCLUSIONS

The main purpose of this evaluation was to determine the magnetite potential on the Merry Widow property in an attempt to find continuity between the historic mines and scattered showings that surrounded the main showings. This evaluation was not intended to evaluate the mineralized zones hosting copper, cobalt, and gold. The ground based field magnetometer surveys combined with the geological mapping of available bedrock provided a more in depth picture of the near surface presence of magnetite in the vicinity of the Merry Widow, Raven and Kingfisher Open Pits.

The results of the reconnaissance style geophysical surveys showed a lack of above background readings throughout the main target areas. Some positive readings were located surrounding the three mined open pits and these are felt to be the result of transported material that derived from the historic mining activity. The lack of any continuous and sizeable magnetometer anomalies suggest there are no magnetite deposits within detectable range that might warrant further exploration work.

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Appendix A
Cost Statement

Exploration Work type	Comment	Days		
Personnel (Name)* / Position	Field Days (list actual days)	Days	Rate	Subtotal*
Arnie Pollmer (Supervising Geologist)		10	\$517.50	\$5,175.00
Kamal Rae (Geologist)		17	\$357.50	\$6,077.50
Benjamin Oldale (Geologist)		17	\$357.50	\$6,077.50
Nathan Gagnon (Geologist)		17	\$357.50	\$6,077.50
Greg Jones (Geologist)		17	\$357.50	\$6,077.50
			\$0.00	\$0.00
				\$29,485.00
Office Studies	List Personnel (note - Office only, do not include field days)			
Literature search			\$0.00	\$0.00
Database compilation	Larry Poznikoff	1.0	\$450.00	\$450.00
Computer modelling	Lindsay Steele	1.0	\$450.00	\$450.00
Reprocessing of data			\$0.00	\$0.00
General research			\$0.00	\$0.00
Report preparation	Lindsay Steele	3.0	\$450.00	\$1,350.00
Report preparation	Arnie Pollmer	1.0	\$450.00	\$450.00
Other (specify)	Map Making	2.0	\$450.00	\$900.00
				\$3,600.00
Airborne Exploration Surveys	Line Kilometres / Enter total invoiced amount			
Aeromagnetics			\$0.00	\$0.00
Radiometrics			\$0.00	\$0.00
Electromagnetics			\$0.00	\$0.00
Gravity			\$0.00	\$0.00
Digital terrain modelling			\$0.00	\$0.00
Other (specify)			\$0.00	\$0.00
				\$0.00
Remote Sensing	Area in Hectares / Enter total invoiced amount or list personnel			
Aerial photography			\$0.00	\$0.00
LANDSAT			\$0.00	\$0.00
Other (specify)			\$0.00	\$0.00
				\$0.00
Ground Exploration Surveys	Area in Hectares/List Personnel			
Geological mapping				
Regional				<i>note: expenditures here</i>
Reconnaissance				<i>should be captured in Personnel</i>
Prospect				<i>field expenditures above</i>
Underground	Define by length and width			
Trenches	Define by length and width			\$0.00
Ground geophysics	Line Kilometres / Enter total amount invoiced list personnel			
Radiometrics				
Magnetics	30 line km /\$20,950 in personnel costs			
Gravity				
Digital terrain modelling				
Electromagnetics	<i>note: expenditures for your crew in the field</i>			
SP/AP/EP	<i>should be captured above in Personnel</i>			
IP	<i>field expenditures above</i>			
AMT/CSAMT				
Resistivity				
Complex resistivity				
Seismic reflection				
Seismic refraction				
Well logging	Define by total length			
Geophysical interpretation				
Petrophysics				
Other (specify)				
				\$0.00
Geochemical Surveying	Number of Samples	No.	Rate	Subtotal
Drill (cuttings, core, etc.)			\$0.00	\$0.00
Stream sediment			\$0.00	\$0.00
Soil			\$0.00	\$0.00
Rock	<i>Rock Samples Metallurgy</i>	1.0	\$1,075.00	\$1,075.00

Water			\$0.00	\$0.00
Biogeochemistry			\$0.00	\$0.00
Whole rock			\$0.00	\$0.00
Petrology			\$0.00	\$0.00
Other (specify)			\$0.00	\$0.00
				\$1,075.00
Drilling	No. of Holes, Size of Core and Metres	No.	Rate	Subtotal
Diamond	62 holes (10,282m) HQ and NQ2		\$0.00	\$0.00
Reverse circulation (RC)			\$0.00	\$0.00
Rotary air blast (RAB)			\$0.00	\$0.00
Other (specify)	Collar survey, drill pad construction		\$0.00	\$0.00
				\$0.00
Other Operations	Clarify	No.	Rate	Subtotal
Trenching			\$0.00	\$0.00
Bulk sampling			\$0.00	\$0.00
Underground development			\$0.00	\$0.00
Other (specify)			\$0.00	\$0.00
				\$0.00
Reclamation	Clarify	No.	Rate	Subtotal
After drilling			\$0.00	\$0.00
Monitoring			\$0.00	\$0.00
Other (specify)			\$0.00	\$0.00
Transportation		No.	Rate	Subtotal
Airfare			\$0.00	\$0.00
Taxi			\$0.00	\$0.00
truck rental		1.00	\$3,258.38	\$3,258.38
kilometers			\$0.00	\$0.00
ATV			\$0.00	\$0.00
fuel		1.00	\$848.09	\$848.09
Helicopter (hours)			\$0.00	\$0.00
Fuel (litres/hour)			\$0.00	\$0.00
Other			\$0.00	\$0.00
				\$4,106.47
Accommodation & Food	Rates per day			
Hotel	House Rental	1.00	\$9,207.50	\$9,207.50
Camp			\$0.00	\$0.00
Meals	\$35/person/day	1.00	\$2,730.00	\$2,730.00
				\$11,937.50
Miscellaneous				
Telephone			\$0.00	\$0.00
Other (Specify)			\$0.00	\$0.00
				\$0.00
Equipment Rentals				
Field Gear (Specify)	Magnetometer rental from Terraplus Inc	1.00	\$10,780.00	\$10,780.00
Field Gear (Specify)	Portable XRF Machine from Elemental Controls Limited	1.00	\$5,000.00	\$5,000.00
Other (Specify)	Equipment Repair	1.00	\$106.00	\$106.00
				\$15,886.00
Freight, rock samples				
			\$0.00	\$0.00
			\$0.00	\$0.00
				\$0.00
TOTAL Expenditures				\$66,089.97

Appendix B
List of Software

List of Software Programs:

MapInfo Professional 9.5

MapInfo – Discover 10.0

Microsoft Office Excel 2007

Microsoft Office Word 2007

Adobe Reader 9

Appendix C
Magnetometer Results

Appendix 2

Magnetometer Theory

Overhauser effect magnetometers are proton precession devices with a $0.02 \text{ nT}/\sqrt{\text{Hz}}$ sensitivity providing a high resolution (0.1nT), high absolute accuracy ($\pm 0.1\text{nT}$), rapid cycling (3 sec/reading) and a gradient tolerance of $< 10,000\text{nT/m}$. The Overhauser effect is a nuclear method that takes advantage of a "quirk" of physics that affects the hydrogen atom and occurs when a special liquid (with unpaired electrons) is combined with hydrogen atoms and then exposed to secondary polarization from a radio frequency (RF) magnetic field. The unpaired electrons transfer their stronger polarization to hydrogen atoms, thereby generating a strong precession signal that is ideal for very high sensitivity total field measurements (www.gemsys.ca). The sensor which sits atop a 5ft staff acquires the magnetic signal and sends it through a cable attached to the portable console (Figure 1).



Appendix 4

Magnetometer Values

Line	Station	Easting	Northing	Cormag	Line	Station	Easting	Northing	Cormag
11	0	624405	5579818	52819.94	11	1350	623917	5579699	56931.37
11	25	624396	5579839	52813.45	11	1375	623923	5579668	56373.18
11	50	624379	5579856	53566.95	11	1400	623921	5579637	55815.43
11	75	624361	5579863	53350.97	11	1425	623921	5579608	55850.67
11	100	624340	5579844	54469.84	11	1450	623922	5579584	55778.21
11	125	624327	5579826	53078.06	11	1475	623926	5579562	56471.53
11	150	624317	5579799	52309.96	11	1500	623927	5579533	56425.75
11	175	624306	5579779	52476.96	11	1525	623921	5579513	56164.59
11	200	624282	5579762	57557.75	11	1550	624340	5579876	56164.93
11	225	624355	5579876	54801.58	11	1650	624356	5579971	55250.16
11	250	624329	5579877	57988.39	11	1675	624361	5579996	55404.13
11	275	624307	5579885	57996.00	11	1700	624373	5580025	56317.32
11	300	624281	5579888	57790.05	11	1725	624387	5580043	56083.85
11	325	624257	5579899	56504.48	11	1750	624406	5580057	57324.14
11	350	624243	5579917	54312.78	11	1775	624423	5580072	57427.70
11	375	624222	5579936	54219.31	11	1800	624441	5580094	60733.00
11	400	624200	5579948	54421.69	11	1850	624472	5580136	58714.95
11	425	624174	5579959	54933.34	11	1925	624574	5580245	55537.41
11	450	624146	5579963	55403.75	11	1950	624594	5580262	56242.27
11	475	624126	5579958	56294.07	11	1975	624612	5580273	55639.79
11	500	624110	5579940	55601.65	11	2000	624627	5580296	55857.60
11	525	624106	5579917	55016.29	11	2025	624649	5580319	56618.41
11	550	624100	5579891	55279.61	11	2050	624660	5580338	56475.33
11	575	624089	5579868	55493.33	11	2075	624657	5580363	57291.73
11	600	624083	5579843	55376.21	11	2100	624651	5580399	61517.84
11	625	624082	5579820	55391.00	11	2125	624658	5580421	58803.85
11	650	624084	5579793	55518.19	11	2150	624661	5580441	58187.72
11	675	624087	5579765	55576.39	11	2175	624667	5580469	56574.83
11	700	624096	5579742	56516.53	11	2200	624672	5580489	56699.25
11	725	624103	5579717	56136.05	11	2225	624683	5580514	56271.20
11	750	624103	5579693	56729.59	11	2250	624686	5580558	55243.34
11	775	624101	5579666	55954.55	11	2275	624694	5580556	55607.90
11	800	624101	5579643	55795.69	11	2300	624704	5580575	57008.58
11	825	624110	5579618	56217.29	11	2325	624707	5580598	55020.53
11	850	624115	5579594	56810.06	11	2350	624708	5580628	56348.46
11	875	624127	5579566	57215.69	11	2375	624700	5580651	55932.75
11	900	624135	5579544	56815.34	11	2400	624681	5580674	56391.04
11	925	624136	5579517	57041.25	11	2425	624655	5580683	56092.45
11	950	624135	5579489	56828.22	11	2450	624631	5580687	57183.31
11	975	624138	5579462	56749.82	11	2475	624613	5580702	56562.27
11	1000	624129	5579436	57608.40	11	2500	624596	5580719	56298.56
11	1025	624095	5579424	55855.38					
11	1050	624073	5579448	56153.59					
11	1075	624058	5579481	56267.47					
11	1100	624049	5579507	56214.11					
11	1150	624030	5579574	57993.92					
11	1200	624015	5579629	58321.94					
11	1225	623994	5579652	57061.65					
11	1250	623977	5579672	57486.96					
11	1275	623972	5579719	57369.60					
11	1300	623961	5579725	57651.06					
11	1325	623931	5579721	56590.63					

Line	Station	Easting	Northing	Cormag	Line	Station	Easting	Northing	Cormag
31	25	624390	5579723	56890.65	12	0	624433	5580215	58309.90
31	75	624388	5579678	56966.58	12	25	624429	5580243	55220.92
31	100	624381	5579657	55421.75	12	50	624441	5580258	53852.39
31	125	624370	5579638	54415.67	12	75	624430	5580278	54556.18
31	150	624357	5579617	55051.96	12	100	624413	5580291	54836.64
31	175	624341	5579592	54828.22	12	125	624412	5580319	53929.51
31	200	624333	5579577	54547.40	12	150	624402	5580329	54978.87
31	225	624346	5579559	55138.24	12	175	624402	5580362	54455.23
31	250	624363	5579542	54964.05	12	200	624415	5580384	55091.05
31	275	624368	5579517	54661.99	12	225	624413	5580412	54481.06
31	300	624356	5579503	54101.66	12	250	624412	5580437	54745.70
31	325	624339	5579478	53949.08	12	275	624417	5580454	53904.73
31	350	624332	5579460	54026.93	12	300	624405	5580477	53925.27
31	375	624317	5579441	54383.48	12	325	624417	5580497	52451.67
31	400	624308	5579420	56139.09	12	350	624404	5580515	52957.48
31	425	624286	5579413	58527.96	12	375	624420	5580550	53551.45
31	450	624271	5579436	56940.17	12	400	624414	5580574	54779.12
					12	425	624426	5580596	55652.24
					12	450	624425	5580611	55170.36
					12	475	624425	5580626	55190.59
					12	500	624435	5580666	53633.85
					12	525	624430	5580675	54959.93
					12	550	624430	5580724	55188.16
					12	575	624434	5580755	55103.35
					12	600	624428	5580782	56109.49
					12	625	624449	5580805	55112.39
					12	650	624456	5580821	55984.02
					12	700	624359	5580863	55096.07
					12	725	624335	5580855	55249.70
					12	750	624300	5580834	55840.37
					12	775	624287	5580799	55054.60
					12	800	624276	5580786	54806.69
					12	825	624263	5580756	54893.00
					12	850	624272	5580733	54714.45
					12	875	624282	5580716	54476.09
					12	900	624288	5580681	55085.02
					12	925	624294	5580650	54209.78
					12	950	624292	5580635	54346.54
					12	975	624300	5580603	54329.82
					12	1000	624315	5580574	54143.08
					12	1025	624310	5580558	54704.54
					12	1050	624313	5580539	55245.89
					12	1075	624300	5580515	55204.45
					12	1100	624301	5580489	55144.80
					12	1125	624318	5580464	54106.20
					12	1150	624318	5580445	54107.10
					12	1150	624318	5580445	53928.40
					12	1175	624327	5580409	53459.53
					12	1200	624331	5580389	53837.07
					12	1225	624330	5580365	53809.03
					12	1250	624331	5580349	53968.68
					12	1275	624332	5580319	54363.46

Line	Station	Easting	Northing	Cormag	Line	Station	Easting	Northing	Cormag
12	1300	624326	5580296	54903.99	13	0	625668	5579260	55356.64
12	1325	624330	5580279	55187.66	13	25	625662	5579276	55495.62
12	1350	624329	5580247	55077.91	13	50	625636	5579316	55606.11
12	1375	624340	5580220	54357.19	13	75	625612	5579316	55770.50
12	1400	624342	5580200	54362.44	13	100	625596	5579320	55646.99
12	1425	624326	5580180	53943.33	13	125	625574	5579330	56126.64
12	1450	624337	5580153	53869.69	13	150	625543	5579339	55607.25
					13	175	625525	5579326	55460.26
					13	200	625531	5579283	55750.97
					13	225	625543	5579259	55632.70
					13	250	625561	5579238	55564.60
					13	275	625571	5579212	55441.91
					13	300	625575	5579191	55235.89
					13	300	625575	5579191	54926.53
					13	325	625591	5579165	55679.46
					13	350	625593	5579134	55255.52
					13	375	625591	5579117	55541.65
					13	400	625590	5579086	55065.00
					13	425	625591	5579049	55238.92
					13	450	625596	5579030	55347.18
					13	475	625601	5579005	55092.86
					13	500	625598	5578981	55198.16
					13	525	625600	5578965	55200.13
					13	550	625603	5578950	55087.41
					13	575	625600	5578915	55049.26
					13	600	625599	5578888	55074.74
					13	625	625597	5578861	55116.65
					13	650	625601	5578837	55064.21
					13	675	625607	5578817	54994.19
					13	700	625615	5578793	55183.16
					13	725	625623	5578767	55390.78
					13	750	625631	5578742	55043.54
					13	775	625637	5578715	55024.87
					13	800	625641	5578689	55018.14
					13	825	625640	5578658	54969.59
					13	850	625633	5578639	54975.75
					13	875	625619	5578610	54849.14
					13	900	625600	5578592	55239.21
					13	925	625588	5578568	55103.55
					13	950	625573	5578539	55056.23
					13	975	625559	5578512	55102.50
					13	1000	625545	5578485	55050.88
					13	1025	625538	5578477	55067.02
					13	1050	625514	5578441	55038.02
					13	1075	625508	5578427	54932.42
					13	1100	625495	5578394	54959.63
					13	1125	625482	5578376	55067.80
					13	1150	625463	5578355	55129.54
					13	1175	625437	5578358	55066.00
					13	1200	625419	5578363	55054.03
					13	1225	625398	5578374	55050.07
					13	1250	625374	5578389	55043.56
					13	1275	625362	5578395	55033.06

Line	Station	Easting	Northing	Cormag	Line	Station	Easting	Northing	Cormag
13	1300	625342	5578420	55064.30	13	2625	625032	5578256	54979.59
13	1325	625318	5578421	55066.61	13	2650	625012	5578268	54922.21
13	1350	625296	5578420	55026.83	13	2675	624999	5578293	54957.97
13	1375	625270	5578410	55439.44	13	2700	624975	5578314	54914.81
13	1400	625248	5578391	55067.77					
13	1425	625239	5578363	55069.50					
13	1450	625231	5578336	55054.04					
13	1475	625229	5578303	55035.94					
13	1500	625232	5578280	55040.36					
13	1525	625234	5578259	55040.13					
13	1550	625227	5578224	55044.46					
13	1575	625216	5578205	55035.30					
13	1600	625198	5578184	55031.96					
13	1625	625183	5578164	55036.68					
13	1650	625165	5578144	55028.92					
13	1675	625148	5578127	55070.10					
13	1700	625130	5578102	55024.28					
13	1725	625117	5578086	55022.42					
13	1750	625101	5578067	55031.88					
13	1775	625084	5578048	55031.10					
13	1800	625059	5578041	55018.39					
13	1825	625044	5578024	55015.73					
13	1850	625033	5577996	55014.00					
13	1875	625031	5577952	55017.92					
13	1900	625033	5577952	55023.34					
13	1925	625028	5577930	55078.77					
13	1950	624997	5577888	55028.21					
13	1975	624995	5577887	55027.63					
13	2000	624980	5577869	55018.77					
13	2025	624962	5577851	55043.53					
13	2050	624939	5577840	55012.96					
13	2075	624916	5577830	55021.14					
13	2100	624888	5577814	55034.38					
13	2125	624872	5577796	55014.40					
13	2150	624864	5577773	55001.11					
13	2175	624852	5577752	55004.86					
13	2200	624836	5577734	55007.35					
13	2225	624814	5577707	54996.71					
13	2250	624787	5577670	54993.98					
13	2275	624761	5577633	54976.91					
13	2300	624761	5577633	55004.74					
13	2325	624743	5577616	54991.57					
13	2350	624724	5577599	54976.21					
13	2375	624711	5577582	54976.02					
13	2400	624703	5577560	54999.11					
13	2425	625052	5578056	54990.92					
13	2450	625054	5578076	54987.03					
13	2475	625060	5578100	54985.91					
13	2500	625065	5578121	54972.36					
13	2525	625063	5578147	55019.86					
13	2550	625059	5578174	54996.33					
13	2575	625054	5578201	54979.53					
13	2600	625049	5578231	54961.46					

Line	Station	Easting	Northing	Cormag	Line	Station	Easting	Northing	Cormag
32	0	625688	5579260	54946.58	32	1300	625777	5580295	55230.17
32	25	625670	5579284	55044.90	32	1325	625783	5580317	55575.12
32	50	625668	5579295	55032.60	32	1350	625778	5580340	56453.34
32	75	625658	5579311	54966.48	32	1375	625779	5580375	56718.85
32	100	625646	5579327	55215.52	32	1400	625779	5580399	56321.89
32	125	625642	5579350	55102.91	32	1425	625782	5580425	55868.55
32	150	625638	5579370	54988.18	32	1450	625778	5580446	56028.39
32	175	625633	5579392	55091.96	32	1475	625783	5580478	55714.28
32	200	625633	5579410	55466.16	32	1500	625784	5580499	54827.15
32	225	625634	5579432	55933.48	32	1525	625775	5580510	54995.58
32	250	625639	5579453	55681.24	32	1550	625776	5580523	54889.01
32	275	625650	5579471	55439.68	32	1575	625779	5580544	55468.17
32	300	625664	5579495	55230.34	32	1600	625780	5580549	55672.36
32	325	625683	5579505	53631.94	32	1625	625782	5580568	55439.96
32	350	625696	5579525	55278.31	32	1650	625779	5580587	55658.87
32	375	625712	5579543	55128.24	32	1675	625781	5580615	55670.70
32	400	625725	5579559	55264.57	32	1700	625783	5580645	54920.23
32	425	625747	5579581	55400.42	32	1725	625780	5580679	53880.70
32	450	625758	5579601	55250.03	32	1750	625783	5580701	52953.07
32	475	625776	5579618	55529.27	32	1775	625782	5580711	54368.75
32	500	625779	5579645	55323.37	32	1800	625780	5580742	54042.92
32	525	625785	5579662	55157.29	32	1825	625782	5580763	54572.43
32	550	625793	5579686	55589.86	32	1850	625779	5580781	54353.02
32	575	625801	5579717	55561.65	32	1875	625783	5580804	54663.48
32	600	625807	5579740	55391.66	32	1900	625774	5580831	54952.12
32	625	625806	5579738	55236.38	32	1925	625773	5580849	54589.52
32	650	625812	5579762	55237.84	32	1950	625767	5580870	55619.13
32	675	625822	5579782	55533.60	32	1975	625757	5580893	54992.97
32	700	625822	5579796	55299.53	32	2000	625747	5580916	54873.31
32	725	625820	5579825	55228.45	32	2025	625737	5580941	55307.33
32	750	625821	5579846	55509.71	32	2050	625731	5580960	54691.32
32	775	625822	5579864	55445.12	32	2075	625721	5580984	54833.68
32	800	625813	5579884	55640.24	32	2100	625714	5581005	55129.81
32	825	625810	5579909	55548.72	32	2150	625695	5581053	55306.79
32	850	625801	5579928	55494.97	32	2175	625689	5581076	54753.27
32	875	625791	5579926	54598.11	32	2200	625681	5581098	55104.14
32	900	625787	5579966	54895.89	32	2225	625687	5581110	55506.56
32	925	625785	5579978	54681.46	32	2250	625671	5581135	55260.03
32	950	625779	5579989	55009.25	32	2275	625656	5581142	55720.18
32	975	625765	5580008	55153.27	32	2300	625647	5581163	55476.17
32	1000	625758	5580033	55240.29	32	2325	625642	5581189	55337.36
32	1025	625753	5580053	55375.88	32	2350	625634	5581196	55563.49
32	1050	625750	5580082	54980.23	32	2375	625632	5581223	55425.35
32	1075	625750	5580103	54842.84	32	2400	625630	5581240	55609.60
32	1100	625755	5580132	55240.99	32	2425	625628	5581270	54451.19
32	1125	625750	5580154	55627.03	32	2450	625629	5581293	54896.96
32	1150	625753	5580168	55729.06	32	2475	625630	5581316	54705.03
32	1175	625746	5580180	55532.94	32	2500	625628	5581346	56461.52
32	1200	625742	5580210	55929.38					
32	1225	625750	5580237	55344.16					
32	1250	625756	5580260	55527.01					
32	1275	625774	5580272	55304.96					

Line	Station	Easting	Northing	Cormag	Line	Station	Easting	Northing	Cormag
14	0	624630	5579708	55255.79	14	1300	624676	5578646	54691.31
14	25	624629	5579684	54622.46	14	1325	624661	5578634	54620.63
14	50	624622	5579668	54613.49	14	1350	624644	5578616	55142.18
14	75	624610	5579638	54552.33	14	1375	624625	5578598	54586.67
14	100	624605	5579615	54596.86	14	1400	624605	5578581	54568.36
14	125	624630	5579599	54505.27	14	1425	624621	5578582	54681.90
14	150	624657	5579599	54577.63	14	1450	624643	5578589	54674.94
14	175	624685	5579600	54596.76	14	1475	624664	5578606	54685.73
14	200	624711	5579595	54610.72	14	1500	624683	5578621	54547.97
14	225	624726	5579571	54670.06	14	1525	624705	5578629	54841.74
14	250	624729	5579545	54484.79	14	1550	624724	5578645	54814.16
14	275	624734	5579519	54434.59	14	1575	624741	5578660	54852.20
14	300	624729	5579492	54720.31	14	1600	624764	5578671	54827.75
14	325	624724	5579466	56284.37	14	1625	624784	5578687	54816.53
14	350	624712	5579439	56307.23	14	1650	624802	5578703	54795.08
14	375	624692	5579423	55412.49	14	1675	624822	5578718	54962.24
14	400	624670	5579406	54985.71	14	1700	624835	5578746	55023.75
14	425	624665	5579380	55091.71	14	1725	624846	5578768	54852.61
14	450	624666	5579354	55173.05	14	1750	624858	5578786	54931.92
14	475	624677	5579336	54652.76	14	1775	624870	5578809	55029.31
14	500	624673	5579339	55080.40	14	1800	624876	5578833	54977.54
14	525	624698	5579325	54113.35	14	1825	624887	5578851	54812.53
14	550	624725	5579320	54275.88	14	1875	624905	5578907	54953.77
14	575	624748	5579307	54640.41	14	1900	624916	5578909	55303.60
14	600	624768	5579294	54834.45	14	1925	624936	5578922	54835.25
14	625	624789	5579280	54862.02	14	1950	624960	5578918	54876.57
14	650	624804	5579259	54875.35	14	1975	624959	5578885	54888.74
14	675	624815	5579236	54862.23	14	2000	624952	5578857	54844.80
14	700	624825	5579215	54888.13	14	2025	624944	5578833	55068.51
14	725	624824	5579185	54887.12	14	2050	624948	5578800	54862.30
14	750	624813	5579164	54869.31	14	2075	624939	5578783	54858.78
14	775	624798	5579142	54921.31	14	2100	624929	5578759	54839.98
14	800	624785	5579122	54909.71	14	2125	624932	5578729	54931.05
14	825	624774	5579097	54822.07	14	2150	624941	5578704	54867.68
14	850	624774	5579070	54984.04	14	2175	624933	5578672	54886.69
14	875	624774	5579043	55141.80	14	2200	624926	5578645	54858.01
14	900	624777	5579017	55190.72	14	2225	624911	5578626	54829.49
14	925	624776	5578992	54808.83	14	2250	624892	5578609	54797.17
14	950	624777	5578969	54873.36	14	2275	624869	5578593	54788.56
14	975	624784	5578932	54975.72	14	2300	624862	5578562	54730.21
14	1000	624783	5578913	54860.80	14	2325	624859	5578539	54913.49
14	1025	624781	5578893	54889.36	14	2350	624862	5578513	55021.23
14	1050	624781	5578870	54883.48	14	2375	625141	5578622	55017.00
14	1075	624781	5578841	54823.43	14	2400	625136	5578655	54967.89
14	1100	624776	5578814	54818.03	14	2425	625126	5578654	55035.03
14	1125	624770	5578791	54806.07	14	2450	625114	5578688	55346.42
14	1150	624762	5578769	54788.40	14	2475	625106	5578715	54997.88
14	1175	624749	5578748	54901.41	14	2500	625104	5578716	54995.08
14	1200	624736	5578726	55008.17	14	2525	625093	5578765	55028.21
14	1225	624723	5578706	54990.11	14	2550	625093	5578768	55064.60
14	1250	624710	5578683	55045.68	14	2575	625095	5578816	54996.54
14	1275	624696	5578665	54734.97	14	2600	625098	5578846	55020.53

Line	Station	Easting	Northing	Cormag	Line	Station	Easting	Northing	Cormag
14	2625	625097	5578858	55060.11	15	0	625221	5580567	54878.59
14	2650	625094	5578883	55067.58	15	25	625194	5580564	54839.48
14	2675	625099	5578930	55006.78	15	50	625168	5580560	54857.96
14	2700	625093	5578955	54988.58	15	75	625150	5580561	54739.17
14	2725	625090	5578977	55009.44	15	100	625111	5580568	54690.54
14	2750	625091	5579002	55023.47	15	125	625080	5580576	54569.51
14	2775	625087	5579030	55006.35	15	150	625045	5580578	54444.64
14	2800	625072	5579041	54960.14	15	175	625010	5580590	54166.71
14	2825	625079	5579016	55045.82	15	200	624993	5580590	53860.12
14	2850	625080	5578994	54964.30	15	225	624958	5580580	53574.69
14	2875	625073	5578973	54949.88	15	250	624936	5580596	52936.81
14	2900	625071	5578942	54938.36	15	275	624922	5580610	52791.52
14	2925	625059	5578915	54962.46	15	300	624921	5580610	52469.97
14	2950	625059	5578894	54951.11	15	325	624963	5580777	53868.63
14	2975	625057	5578875	54946.39	15	350	625003	5580804	53847.21
14	3000	625054	5578844	54940.03	15	375	625027	5580852	54166.02
14	3025	625047	5578825	54913.54	15	400	625049	5580810	53798.81
14	3050	625039	5578801	54889.74	15	425	624990	5580828	53753.64
14	3075	625031	5578777	54863.62	15	450	625007	5580815	54207.69
14	3100	625011	5578757	54972.17	15	475	625023	5580806	54216.12
14	3125	624999	5578738	54933.01	15	500	625049	5580804	54803.33
14	3150	624979	5578718	54899.56	15	525	625061	5580805	54803.65
14	3175	624971	5578695	54896.17	15	550	625074	5580813	55169.97
14	3200	624960	5578672	54786.77	15	600	625125	5580808	54129.21
14	3225	624953	5578651	55096.03	15	625	625130	5580812	54714.80
14	3250	624939	5578631	54820.29	15	650	625148	5580815	54557.43
14	3275	624923	5578616	54807.17	15	675	625182	5580826	54558.40
14	3300	624905	5578603	54771.99	15	700	625208	5580819	55208.58
14	3325	624883	5578586	55121.28	15	725	625233	5580819	55173.86
					15	750	625269	5580820	54952.50
					15	775	625288	5580807	55101.79
					15	800	625305	5580816	55017.67
					15	825	625337	5580798	55042.71
					15	850	625362	5580810	55075.95
					15	875	625383	5580810	55115.06
					15	900	625386	5580814	55213.18
					15	925	625418	5580837	55236.22
					15	950	625248	5580983	54998.27
					15	975	625221	5580980	54938.21
					15	1000	625208	5580978	54919.09
					15	1025	625198	5580970	54849.28
					15	1050	625178	5580966	54803.81
					15	1075	625165	5580961	54769.48
					15	1100	625137	5580969	54714.42
					15	1125	625138	5580958	54690.09
					15	1150	625120	5580965	54646.96
					15	1175	625111	5580968	54558.81
					15	1200	625097	5580961	54534.66

Line	Station	Easting	Northing	Cormag	Line	Station	Easting	Northing	Cormag
16	0	625282	5580972	55135.41	33	0	625256	5581354	56267.75
16	25	625305	5580978	55146.63	33	25	625236	5581365	57490.69
16	50	625329	5580985	55765.54	33	50	625228	5581397	56588.30
16	75	625353	5580993	55299.39	33	75	625219	5581429	57588.03
16	100	625379	5580989	55463.96	33	100	625211	5581449	57527.34
16	125	625398	5581005	55619.72	33	125	625198	5581476	57180.82
16	150	625438	5581015	56172.80	33	150	625186	5581500	57109.44
16	175	625471	5581017	55666.76	33	175	625180	5581524	56765.78
16	200	625511	5581020	56654.65	33	200	625174	5581554	57039.01
16	225	625552	5581014	55094.17	33	225	625170	5581580	57992.10
16	250	625584	5581022	54847.15	33	250	625172	5581587	57951.98
16	275	625605	5581040	54584.52	33	275	625166	5581610	58887.79
16	300	625518	5581210	54775.23	33	300	625156	5581625	57388.15
16	325	625500	5581197	54716.52	33	325	625143	5581653	57377.20
16	350	625474	5581209	55546.32	33	350	625128	5581678	57639.36
16	375	625464	5581204	56680.41	33	375	625113	5581710	59759.70
16	400	625422	5581205	55989.02	33	400	625099	5581732	59650.58
16	425	625385	5581195	55814.14	33	425	625076	5581739	58218.47
16	450	625363	5581189	56421.50	33	450	625057	5581725	57253.94
16	475	625352	5581186	55824.13	33	475	625047	5581702	56548.39
16	500	625328	5581188	55553.06	33	500	625043	5581681	56337.10
16	525	625302	5581183	55433.85	33	525	625047	5581645	56318.36
16	550	625280	5581175	55391.97	33	550	625050	5581612	56188.61
16	575	625262	5581163	55335.60	33	575	625044	5581583	56024.74
16	600	625233	5581156	55229.53	33	600	625039	5581566	55851.37
16	625	625209	5581141	55109.68	33	625	625035	5581529	55792.03
16	650	625188	5581140	55041.62	33	650	625037	5581503	55797.33
16	675	625167	5581133	55008.55	33	675	625033	5581478	55499.74
16	700	625140	5581132	54916.68	33	700	625027	5581450	55406.38
16	725	625130	5581132	54910.20	33	725	625014	5581429	55308.00
16	750	625107	5581130	54843.06	33	750	625006	5581408	55451.11
16	775	625078	5581117	54732.98	33	775	625249	5581427	55999.11
16	800	625052	5581117	54700.97	33	800	625269	5581433	56690.71
16	825	625023	5581122	54608.78	33	825	625288	5581426	56623.25
16	850	624997	5581097	54537.98	33	850	625296	5581448	55993.27
16	875	625017	5581410	55385.45	33	875	625318	5581446	55484.15
16	900	625025	5581426	55429.80	33	900	625338	5581434	55297.37
16	925	625043	5581433	55444.21	33	925	625358	5581408	55339.49
16	975	625076	5581448	55686.97	33	950	625371	5581392	55296.05
16	1000	625101	5581448	55875.83	33	975	625406	5581368	55482.45
16	1025	625122	5581442	56177.34	33	1000	625408	5581341	55136.99
16	1050	625140	5581442	56322.78	33	1025	625418	5581299	54893.37
16	1075	625169	5581426	56353.07	33	1050	625436	5581272	55317.16
16	1075	625169	5581426	56342.32	33	1075	625446	5581254	55207.22
16	1100	625189	5581429	56534.32	33	1100	625465	5581244	54953.43
					33	1125	625487	5581227	55325.66

Line	Station	Easting	Northing	Cormag	Line	Station	Easting	Northing	Cormag
34	0	626567	5577092	55171.06	34	1300	626974	5577934	54494.19
34	25	626588	5577082	54598.89	34	1325	626974	5577960	54505.50
34	50	626607	5577098	54603.81	34	1350	626991	5577977	54502.78
34	75	626620	5577124	54677.19	34	1375	627012	5577972	54486.07
34	100	626627	5577144	54569.37	34	1400	627029	5577953	54485.72
34	125	626640	5577160	54514.61	34	1425	627026	5577938	54508.94
34	150	626644	5577190	54670.88	34	1450	627028	5577914	54498.37
34	175	626643	5577209	54540.63	34	1475	627033	5577891	54487.91
34	200	626645	5577229	54683.17	34	1500	627040	5577867	54485.33
34	225	626641	5577250	54550.21	34	1525	627051	5577848	54476.29
34	250	626654	5577268	54609.52	34	1550	627068	5577820	54463.17
34	275	626670	5577287	54564.25	34	1575	627083	5577800	54398.34
34	300	626690	5577303	54529.20	34	1600	627096	5577783	54438.77
34	325	626714	5577305	54533.72	34	1625	627110	5577760	54451.15
34	350	626741	5577300	54497.86	34	1650	627126	5577741	54434.60
34	375	626763	5577291	54817.70	34	1675	627138	5577719	54432.16
34	400	626785	5577280	54500.08	34	1700	627146	5577699	54452.76
34	425	626809	5577272	54479.80	34	1725	627148	5577675	54456.84
34	450	626832	5577259	54476.59	34	1750	627142	5577652	54460.72
34	475	626858	5577251	54491.16	34	1775	627150	5577630	54467.29
34	500	626878	5577245	54502.88	34	1800	627160	5577601	54473.99
34	525	626903	5577241	54593.49	34	1825	627167	5577579	54476.89
34	550	626918	5577264	54010.86	34	1850	627172	5577557	54468.09
34	575	626921	5577266	54424.06	34	1875	627175	5577532	54503.20
34	600	626921	5577288	54497.09	34	1900	627176	5577508	54519.35
34	625	626933	5577313	54479.53	34	1925	627178	5577483	54505.02
34	650	626942	5577340	54367.65	34	1950	627184	5577456	54517.55
34	675	626952	5577371	54484.63	34	1975	627187	5577431	54522.00
34	700	626959	5577387	54489.52	34	2000	627197	5577407	54561.24
34	725	626975	5577406	54447.75	34	2025	627204	5577383	54534.07
34	750	626985	5577428	54343.88	34	2050	627211	5577356	54542.37
34	775	626986	5577453	54430.69	34	2075	627218	5577332	54554.15
34	800	626991	5577476	54434.39	34	2100	627223	5577310	54558.52
34	825	626995	5577499	54431.36	34	2125	627225	5577290	54557.89
34	850	626997	5577522	54419.64	34	2150	627235	5577266	54561.67
34	875	626998	5577548	54423.40	34	2175	627256	5577250	54569.78
34	900	626994	5577572	54425.48	34	2200	627281	5577256	54585.34
34	925	626986	5577588	54365.53	34	2225	627292	5577271	54580.75
34	950	626992	5577603	54436.29	34	2250	627298	5577296	54583.04
34	975	626981	5577626	54453.86	34	2275	627300	5577317	54584.52
34	1000	626983	5577647	54451.28	34	2300	627302	5577338	54591.52
34	1025	626978	5577673	54453.74	34	2325	627301	5577363	54580.36
34	1050	626974	5577699	54461.51	34	2350	627302	5577391	54585.23
34	1075	626972	5577722	54466.08	34	2375	627311	5577411	54577.61
34	1100	626968	5577744	54471.07	34	2400	627318	5577433	54572.17
34	1125	626968	5577768	54479.82	34	2425	627324	5577454	54564.68
34	1150	626970	5577794	54456.71	34	2450	627328	5577484	54566.15
34	1175	626980	5577815	54735.01	34	2475	627332	5577509	54573.09
34	1200	626986	5577839	54488.33	34	2500	627330	5577529	54559.98
34	1225	626989	5577866	54486.12	34	2525	627323	5577554	54554.90
34	1250	626988	5577889	54482.33	34	2550	627319	5577579	54549.69
34	1275	626981	5577914	54463.64	34	2575	627319	5577600	54547.45

Line	Station	Easting	Northing	Cormag	Line	Station	Easting	Northing	Cormag
34	2600	627317	5577620	54549.00	34	3900	627518	5577447	54648.80
34	2625	627310	5577644	54530.57	34	3925	627515	5577423	54651.27
34	2650	627303	5577666	54524.39	34	3950	627526	5577395	54657.96
34	2675	627294	5577691	54517.80	34	3975	627536	5577372	54703.26
34	2700	627286	5577715	54506.16	34	4000	627544	5577347	54667.45
34	2725	627278	5577741	54490.92	34	4025	627553	5577325	54660.05
34	2750	627272	5577764	54477.88	34	4050	627571	5577306	54673.75
34	2775	627267	5577790	54466.83	34	4075	627591	5577290	54682.80
34	2800	627263	5577814	54454.65	34	4100	627615	5577294	54683.33
34	2825	627258	5577838	54450.88	34	4125	627634	5577312	54691.54
34	2850	627255	5577863	54458.81	34	4150	627641	5577336	54702.10
34	2875	627250	5577887	54448.78	34	4175	627640	5577361	54714.06
34	2900	627244	5577914	54458.88	34	4200	627631	5577386	54770.83
34	2925	627244	5577936	54461.10	34	4225	627621	5577409	54740.74
34	2950	627255	5577957	54464.22					
34	2975	627272	5577968	54464.77					
34	3000	627299	5577969	54454.19					
34	3025	627320	5577953	54451.84					
34	3050	627330	5577932	54436.46					
34	3075	627334	5577906	54449.13					
34	3100	627341	5577882	54452.17					
34	3125	627357	5577864	54451.24					
34	3150	627378	5577850	54463.37					
34	3175	627393	5577829	54479.57					
34	3200	627402	5577804	54515.11					
34	3225	627411	5577783	54531.99					
34	3250	627420	5577759	54550.76					
34	3275	627431	5577738	54564.43					
34	3300	627449	5577719	54569.28					
34	3325	627466	5577702	54570.48					
34	3350	627480	5577680	54566.28					
34	3375	627483	5577654	54574.93					
34	3400	627487	5577631	54594.62					
34	3425	627499	5577607	54608.52					
34	3450	627516	5577594	54616.70					
34	3475	627541	5577583	54630.68					
34	3500	627560	5577564	54630.25					
34	3525	627562	5577540	54633.50					
34	3550	627558	5577516	54641.52					
34	3575	627546	5577492	54656.33					
34	3600	627534	5577481	54651.63					
34	3625	627517	5577465	54643.85					
34	3650	627501	5577448	54658.04					
34	3675	627488	5577429	54633.89					
34	3700	627471	5577408	54621.06					
34	3725	627453	5577386	54620.83					
34	3750	627455	5577365	54618.78					
34	3775	627460	5577336	54625.07					
34	3800	627466	5577306	54620.69					
34	3825	627471	5577287	54621.34					
34	3850	627475	5577262	54625.66					
34	3875	627478	5577238	54635.08					

Station	Easting	Northing	Cormag	Line	Station	Easting	Northing	Cormag	
17	0	628854	5575347	54517.08	17	1425	628043	5576158	54501.97
17	25	628871	5575362	54535.08	17	1450	628026	5576170	54522.87
17	50	628882	5575379	54556.84	17	1475	627985	5576209	54522.07
17	75	628888	5575400	54538.99	17	1500	627981	5576212	54541.12
17	100	628889	5575426	54548.79	17	1525	627969	5576230	54546.29
17	150	628859	5575464	54570.34	17	1550	627963	5576248	54542.12
17	175	628834	5575470	54555.87	17	1575	627954	5576268	54553.87
17	200	628792	5575460	54551.57	17	1600	627950	5576290	54556.63
17	225	628789	5575460	54549.90	17	1625	627940	5576312	54579.30
17	250	628751	5575440	54552.29	17	1650	627929	5576341	54621.77
17	275	628743	5575438	54548.62	17	1675	627919	5576358	54570.91
17	300	628716	5575440	54551.21	17	1700	627905	5576382	54584.96
17	325	628692	5575445	54560.63	17	1725	627890	5576403	54585.76
17	350	628677	5575481	54544.64	17	1750	627867	5576423	54580.15
17	375	628675	5575484	54547.25	17	1775	627837	5576444	54573.84
17	400	628672	5575503	54551.68	17	1800	627821	5576459	54556.36
17	425	628663	5575525	54566.70	17	1825	627806	5576480	54577.49
17	450	628653	5575550	54571.14	17	1850	627797	5576496	54563.79
17	475	628633	5575564	54552.37	17	1875	627788	5576527	54581.17
17	500	628615	5575578	54551.85	17	1925	627776	5576592	54570.21
17	525	628596	5575593	54549.85	17	1950	627773	5576622	54586.02
17	550	628579	5575610	54547.02	17	1975	627765	5576650	54598.27
17	575	628560	5575627	54555.25	17	2025	627744	5576712	54629.35
17	600	628545	5575643	54559.18	17	2050	627735	5576731	54642.40
17	625	628530	5575661	54561.32	17	2075	627726	5576751	54765.66
17	650	628516	5575677	54567.64	17	2100	627718	5576783	54620.48
17	675	628496	5575693	54576.47	17	2125	627712	5576809	54729.55
17	700	628479	5575707	54595.42	17	2150	627707	5576829	54895.69
17	725	628463	5575725	54518.32	17	2175	627702	5576856	54605.51
17	750	628422	5575738	54553.76	17	2200	627694	5576883	54606.32
17	775	628419	5575740	54614.15	17	2225	627681	5576906	54625.63
17	825	628384	5575766	54960.40	17	2250	627664	5576931	54638.37
17	875	628360	5575800	54846.78	17	2275	627657	5576953	54615.21
17	900	628344	5575812	55235.93	17	2300	627648	5576982	54592.44
17	925	628319	5575827	54836.43	17	2325	627644	5577005	54637.10
17	950	628305	5575834	54497.12	17	2350	627648	5577030	54649.89
17	975	628287	5575848	54465.15	17	2375	627653	5577054	54637.59
17	1000	628268	5575870	54483.34	17	2400	627657	5577078	54645.38
17	1025	628249	5575892	54498.99	17	2425	627672	5577107	54644.65
17	1050	628244	5575901	54497.33	17	2450	627696	5577108	54644.74
17	1100	628227	5575946	54495.78	17	2475	627719	5577115	54644.66
17	1125	628213	5575963	54507.94	17	2525	627756	5577141	54658.86
17	1150	628197	5575982	54483.57	17	2550	627758	5577157	54633.12
17	1175	628187	5575994	54473.03	17	2575	627753	5577194	54642.35
17	1200	628173	5576007	54454.06	17	2600	627754	5577216	54662.25
17	1225	628162	5576027	54424.62	17	2625	627758	5577233	54665.71
17	1250	628149	5576047	54406.36	17	2650	627649	5577117	54644.45
17	1275	628127	5576062	54210.82	17	2675	627628	5577119	54650.97
17	1300	628114	5576078	54322.34	17	2700	627603	5577119	54643.18
17	1325	628101	5576091	54457.69	17	2725	627577	5577131	54660.13
17	1350	628092	5576108	54513.12	17	2750	627557	5577140	54654.63
17	1375	628078	5576129	54511.66					
17	1400	628063	5576146	54464.38					

	Station	Easting	Northing	Cormag	Line	Station	Easting	Northing	Cormag
17	2775	627540	5577161	54631.99	35	1025	625358	5578452	55019.00
17	2800	627521	5577180	54630.19	35	1050	625357	5578433	55025.31
17	2825	627496	5577195	54627.00	35	1075	625355	5578410	55025.49
17	2850	627484	5577218	54643.81	35	1100	625503	5578323	55143.77
17	2875	626981	5577386	54446.88	35	1125	625503	5578358	54902.84
17	2900	626994	5577363	54394.13	35	1150	625507	5578383	54824.43
17	2925	626999	5577343	54449.73	35	1175	625506	5578421	54989.06
17	2950	627008	5577315	54428.90	35	1200	625516	5578453	54996.74
17	2975	627016	5577294	54437.21	35	1225	625501	5578474	55032.25
					35	1250	625499	5578493	54939.84
					35	1275	625506	5578519	54994.79
35	0	625434	5578348	55072.86	35	1300	625503	5578551	55008.88
35	25	625435	5578384	55079.02	35	1325	625502	5578564	55011.10
35	50	625437	5578413	55050.84	35	1350	625504	5578598	55007.55
35	75	625434	5578429	55038.43	35	1375	625504	5578630	55004.31
35	100	625443	5578444	55075.66	35	1400	625507	5578658	55006.01
35	125	625444	5578463	55045.54	35	1425	625501	5578676	54996.90
35	150	625443	5578486	55077.34	35	1450	625505	5578706	54997.64
35	175	625439	5578523	55055.52	35	1475	625498	5578735	55000.15
35	200	625436	5578534	55048.64	35	1500	625501	5578760	55001.67
35	225	625437	5578560	55044.53	35	1525	625499	5578766	55005.30
35	250	625431	5578582	55055.31					
35	275	625432	5578611	55059.58					
35	300	625429	5578639	55061.06					
35	325	625427	5578666	55086.75					
35	350	625427	5578693	55099.31					
35	375	625429	5578714	55129.58					
35	400	625422	5578732	55281.35					
35	425	625422	5578757	55332.46					
35	450	625422	5578782	55399.38					
35	475	625422	5578807	55273.39					
35	500	625422	5578832	55451.23					
35	525	625422	5578857	55284.83					
35	550	625335	5578808	55175.27					
35	575	625336	5578802	55268.70					
35	600	625336	5578782	55096.64					
35	625	625332	5578779	55131.71					
35	650	625343	5578765	55470.38					
35	675	625344	5578740	55249.89					
35	700	625327	5578737	55517.81					
35	725	625336	5578699	55539.46					
35	750	625343	5578677	55136.35					
35	775	625352	5578652	55167.68					
35	800	625335	5578645	55109.36					
35	825	625348	5578624	55064.03					
35	850	625359	5578604	55055.63					
35	875	625363	5578585	55047.41					
35	900	625370	5578552	55033.94					
35	925	625355	5578541	55031.33					
35	950	625355	5578527	55028.78					
35	975	625348	5578500	55026.30					
35	1000	625359	5578467	55013.49					

Line	Station	Easting	Northing	Cormag	Line	Station	Easting	Northing	Cormag
18	0	625379	5578395	55074.75	18	1200	625544	5578623	54979.69
18	25	625379	5578410	55049.66	18	1225	625552	5578649	54978.94
18	50	625398	5578421	55112.63	18	1250	625552	5578676	54978.71
18	75	625392	5578442	55060.88	18	1275	625548	5578714	54947.87
18	100	625395	5578467	55130.47	18	1300	625542	5578747	54955.41
18	125	625391	5578505	55079.38	18	1325	625546	5578779	54938.08
18	150	625385	5578515	55059.81	18	1350	625543	5578789	54785.99
18	175	625387	5578544	55043.06	18	1375	625543	5578819	55417.13
18	200	625384	5578568	55095.51	18	1400	625545	5578809	55023.33
18	225	625383	5578580	55053.41					
18	250	625379	5578605	55048.94	19	0	625553	5579843	55661.51
18	275	625379	5578627	55087.32	19	25	625560	5579870	55388.69
18	275	625379	5578627	55066.00	19	50	625556	5579903	55598.71
18	300	625371	5578648	55139.27	19	75	625552	5579917	56022.22
18	325	625363	5578680	55201.20	19	100	625545	5579941	55215.02
18	350	625355	5578695	55526.97	19	125	625539	5579968	55721.53
18	375	625355	5578705	55376.26	19	150	625524	5579998	55629.71
18	400	625352	5578728	55352.42	19	175	625517	5580025	55864.72
18	400	625352	5578728	55394.24	19	200	625510	5580059	54914.54
18	425	625348	5578762	55159.07	19	225	625502	5580091	55318.32
18	450	625340	5578771	55137.82	19	250	625497	5580110	55345.53
18	475	625340	5578786	55258.35	19	275	625499	5580137	55321.91
18	500	625339	5578828	55182.95	19	300	625502	5580162	55351.31
18	525	625282	5578777	54975.63	19	325	625495	5580185	55340.04
18	550	625283	5578767	55071.02	19	350	625493	5580207	55349.70
18	575	625285	5578736	54974.70	19	375	625483	5580227	55378.86
18	600	625285	5578713	55021.94	19	400	625479	5580255	55365.48
18	625	625288	5578692	55030.25	19	425	625439	5580224	55386.72
18	650	625298	5578679	54944.89	19	450	625437	5580220	55282.98
18	675	625296	5578656	54796.78	19	475	625439	5580185	55280.89
18	700	625299	5578640	55071.54	19	500	625443	5580168	55256.77
18	700	625299	5578640	55013.73	19	525	625440	5580146	55279.22
18	700	625299	5578640	55043.94	19	550	625438	5580113	55279.12
18	725	625291	5578620	55062.23	19	575	625441	5580094	55443.18
18	750	625288	5578595	55001.66	19	625	625440	5580052	55220.22
18	775	625289	5578577	55007.98	19	650	625455	5580024	55291.20
18	800	625286	5578569	55100.88	19	675	625462	5580000	55322.92
18	825	625274	5578565	55502.10	19	700	625467	5579974	55262.65
18	850	625277	5578524	54501.07	19	725	625480	5579955	55242.51
18	875	625269	5578513	54113.01	19	750	625482	5579928	55461.57
18	900	625548	5578318	55008.39	19	775	625488	5579901	55245.33
18	925	625550	5578349	55023.70	19	800	625489	5579898	55401.96
18	950	625549	5578372	55070.88	19	825	625478	5579897	55622.39
18	975	625560	5578408	55007.71	19	850	625471	5579870	55164.49
18	1000	625547	5578439	55061.32	19	875	625463	5579847	55148.39
18	1025	625555	5578458	55012.85	19	900	625456	5579820	55115.47
18	1050	625549	5578478	55025.68	19	925	625457	5579795	55396.70
18	1075	625558	5578504	55041.29	19	950	625449	5579782	55182.06
18	1100	625563	5578519	54956.04	19	975	625453	5579765	55173.60
18	1125	625563	5578537	55023.36	19	1000	625447	5579730	55202.85
18	1150	625554	5578566	54995.70	19	1025	625393	5579749	55133.06
18	1175	625547	5578592	55006.77	19	1050	625390	5579773	55126.07

Line	Station	Easting	Northing	Cormag	Line	Station	Easting	Northing	Cormag
19	1075	625403	5579781	55135.34	36	550	625251	5579839	54984.38
19	1100	625399	5579813	55123.11	36	575	625246	5579819	55039.44
19	1125	625400	5579840	55120.93	36	600	625245	5579798	54929.02
19	1150	625402	5579866	55119.44	36	625	625244	5579773	54980.91
19	1200	625415	5579917	55136.10	36	650	625242	5579748	54918.68
19	1225	625423	5579925	55095.23	36	675	625234	5579729	54834.19
19	1250	625417	5579962	55230.95	36	700	625227	5579708	54690.45
19	1275	625400	5579988	55138.56	36	725	625228	5579686	54811.00
19	1300	625413	5580009	55210.68	36	750	625228	5579661	54871.33
19	1325	625410	5580034	55215.00	36	775	625230	5579635	55247.60
19	1350	625392	5580054	55149.83	36	800	625223	5579614	55277.37
19	1375	625402	5580080	55172.12	36	825	625214	5579593	55271.82
19	1400	625400	5580082	55227.73	36	850	625207	5579574	55081.65
19	1425	625341	5580074	55147.69	36	875	625203	5579548	54957.73
19	1450	625331	5580054	55127.56	36	900	625203	5579525	54891.22
19	1475	625325	5580040	55015.72	36	925	625203	5579503	54914.22
19	1500	625327	5580008	55038.42	36	950	625202	5579482	54961.63
19	1525	625315	5579983	54986.22	36	975	625201	5579455	54977.26
19	1550	625301	5579958	54994.11	36	1000	625198	5579427	54992.76
19	1575	625330	5579908	55026.11	36	1025	625198	5579903	54971.50
19	1600	625323	5579882	55019.77	36	1050	625200	5579875	54934.41
19	1625	625319	5579856	55022.64	36	1075	625194	5579854	54918.92
19	1650	625314	5579827	55011.46	36	1100	625189	5579829	54907.05
19	1675	625313	5579801	55015.11	36	1125	625181	5579809	54884.67
19	1700	625293	5579772	55007.32	36	1150	625176	5579788	54897.27
19	1725	625283	5579750	55021.52	36	1175	625171	5579764	54895.16
19	1750	625269	5579733	54960.09	36	1200	625165	5579740	54894.46
19	1775	625264	5579700	54890.48	36	1225	625149	5579717	54889.62
19	1800	625264	5579700	54890.50	36	1250	625136	5579700	54871.95
					36	1275	625117	5579688	54831.56
36	0	625185	5580120	54819.69	36	1300	625103	5579672	54859.81
36	25	625184	5580145	55004.62	36	1325	625093	5579650	54867.18
36	50	625182	5580122	54957.16	36	1350	625085	5579629	54840.86
36	75	625178	5580099	54919.70	36	1375	625074	5579637	54758.64
36	100	625172	5580080	54891.11	36	1400	625035	5579626	56956.67
36	125	625156	5580061	54830.27	36	1425	625000	5579630	53981.80
36	150	625140	5580045	54731.34	36	1450	624966	5579641	53137.99
36	175	625129	5580025	54801.96	36	1475	624959	5579640	54584.98
36	200	625125	5580006	54727.84	36	1500	624939	5579630	55416.23
36	225	625116	5579986	55161.68	36	1525	624907	5579620	60440.83
36	250	625110	5579966	54816.74	36	1550	624878	5579603	57735.29
36	275	625109	5579968	55041.75	36	1575	624863	5579602	54877.69
36	300	625125	5579957	55670.71	36	1600	624844	5579617	54919.07
36	325	625133	5579953	54986.68					
36	350	625140	5579946	55128.45					
36	375	625162	5579947	54998.49					
36	400	625187	5579938	55001.19					
36	425	625203	5579928	54958.87					
36	450	625232	5579918	54973.53					
36	475	625247	5579907	55001.85					
36	500	625254	5579887	55001.68					
36	525	625255	5579860	54984.49					

Line	Station	Easting	Northing	Cormag	Line	Station	Easting	Northing	Cormag
110	0	625037	5579625	54623.88	37	0	625175	5580214	54845.08
110	25	625026	5579655	54671.47	37	25	625173	5580191	54823.07
110	50	625026	5579689	54671.56	37	50	625172	5580154	54804.28
110	75	625026	5579712	54690.36	37	75	625162	5580128	54870.17
110	100	625020	5579734	54775.67	37	100	625149	5580105	54849.94
110	125	625017	5579756	54714.02	37	125	625133	5580078	54813.40
110	150	625017	5579768	54735.04	37	150	625117	5580056	54705.98
110	175	625019	5579801	55018.12	37	175	625109	5580022	55033.99
110	200	624956	5579640	53950.33	37	200	625108	5580007	56195.84
110	225	624962	5579667	54368.89	37	225	625077	5580019	54878.96
110	250	624954	5579694	54451.84	37	250	625080	5580042	54730.88
110	275	624944	5579725	54496.26	37	275	625093	5580095	54730.96
110	300	624930	5579755	54571.84	37	300	625095	5580098	54850.74
110	325	624930	5579790	54549.33	37	325	625111	5580141	54795.87
110	350	624896	5579766	55058.00	37	350	625128	5580162	54747.29
110	375	624895	5579729	54680.29	37	375	625126	5580192	54794.49
110	400	624895	5579711	54533.07	37	400	625128	5580212	54807.99
110	425	624893	5579682	54260.39	37	425	625048	5580220	54573.80
110	450	624900	5579655	53010.94	37	450	625039	5580199	54544.43
110	475	624908	5579628	55426.57	37	475	625031	5580178	54714.05
110	500	624918	5579598	65672.35	37	500	625020	5580153	55204.13
110	525	624858	5579568	53199.53	37	525	625011	5580128	55320.63
110	550	624862	5579594	53198.33	37	550	624993	5580111	55110.46
110	575	624858	5579627	55099.35	37	575	624987	5580090	54876.58
110	600	624856	5579660	54902.18	37	600	624985	5580061	54778.49
110	625	624857	5579694	54675.67	37	625	624993	5580040	54773.69
110	650	624850	5579716	54445.72	37	650	624984	5580010	54731.68
110	675	624844	5579739	54885.31	37	675	624928	5580030	54448.00
					37	700	624934	5580056	54548.34
					37	725	624951	5580095	54644.94
					37	750	624959	5580113	54924.49
					37	775	624970	5580141	54431.91
					37	800	624982	5580164	56602.11
					37	825	624972	5580171	54184.84
					37	850	625222	5580173	54934.36
					37	875	625217	5580145	54871.02
					37	900	625217	5580111	54860.29
					37	925	625200	5580074	54723.67
					37	950	625182	5580051	54782.32
					37	975	625155	5580041	54836.31

Line	Station	Easting	Northing	Cormag	Line	Station	Easting	Northing	Cormag
111	0	625022	5579629	54626.31					
111	25	625009	5579607	54892.01					
111	50	625010	5579589	55058.39					
111	75	625014	5579563	54978.52					
111	100	625012	5579556	54962.61					
111	125	624986	5579536	55128.39					
111	150	624970	5579516	54638.18					
111	175	624971	5579499	54544.73					
111	200	624920	5579496	55344.29					
111	225	624915	5579526	55225.91					
111	250	624914	5579549	54484.48					
111	300	624853	5579549	55385.56					
111	325	624863	5579516	55018.41					
111	350	624863	5579483	55040.26					
111	375	624864	5579463	54246.32					
111	400	624847	5579449	56340.77					
111	425	624842	5579417	55369.68					
111	450	624801	5579426	55138.80					
111	475	624801	5579428	55061.98					
111	500	624802	5579451	55557.90					
111	550	624805	5579517	49689.83					
111	575	624800	5579550	54055.87					
111	600	624794	5579584	54214.37					
111	625	624795	5579610	54455.85					
111	650	624803	5579637	54623.67					
111	675	624811	5579673	54620.44					
111	700	624807	5579681	54675.03					
111	725	624798	5579705	54671.80					
111	750	624785	5579850	54439.27					
111	775	624765	5579827	55914.53					
111	800	624753	5579798	54308.74					
111	825	624749	5579781	54985.31					
111	850	624741	5579740	55076.42					
111	875	624720	5579728	54552.31					
111	900	624725	5579702	54365.62					
111	925	624702	5579676	54381.57					
111	950	624710	5579685	54511.35					
111	975	624734	5579683	54618.98					
111	1000	624753	5579651	54557.87					
111	1025	624770	5579633	54555.70					
111	1050	624773	5579611	54455.57					
111	1075	624773	5579585	54236.52					
111	1100	624768	5579566	54006.80					
111	1125	624761	5579542	53656.35					
111	1150	624756	5579515	55799.19					
111	1175	624747	5579491	55723.43					
111	1225	624725	5579456	59021.41					

Appendix D
Rock Sample Results

Appendix 3



Acme Metallurgical Limited
1020 Cordova St. East Vancouver BC V6A 4A3 CANADA
Tel: (604) 253-3158

CERTIFICATE OF DAVIS TUBE ANALYSIS Ridgemont Iron Ore Corp.

Sample ID	%Magnetite	
	Davis Tube	DT Duplicate
MW-11-C001	87.8	
MW-11-C002	89.6	
MW-11-C003	90.7	90.6
MW-11-C004	94.0	
MW-11-C005	79.7	
STD-1	15.2	



ANALYSIS REPORT
Ridgmont Iron Ore Corp.

Project No: 11006

Date Completed: 06-Sep-11
Analytical Lab: ACME

	MW-11-C001	MW-11-C002	MW-11-C003	MW-11-C004	MW-11-C005	Detection Limits	
Elements							
SiO ₂	2.51	3.13	4.01	2.96	3.95	0.01	%
Al ₂ O ₃	1.20	1.35	1.98	1.51	1.74	0.01	%
Fe ₂ O ₃	88.92	90.73	89.61	92.65	82.70	0.01	%
CaO	5.47	4.38	3.76	2.82	7.40	0.01	%
MgO	0.74	0.82	1.02	0.71	1.02	0.01	%
K ₂ O	0.07	0.10	0.13	0.12	0.09	0.01	%
MnO	0.09	0.12	0.16	0.14	0.13	0.01	%
TiO ₂	0.02	0.04	0.09	0.05	0.07	0.01	%
P ₂ O ₅	<0.01	<0.01	<0.01	<0.01	0.01	0.01	%
Cr ₂ O ₃	<0.004	0.006	<0.004	<0.004	0.008	0.004	%
As	<0.003	<0.003	<0.003	<0.003	<0.003	0.003	%
Ba	<0.004	<0.004	<0.004	0.005	0.006	0.004	%
Co	0.004	0.004	0.003	0.004	0.002	0.001	%
Cu	0.010	0.013	0.122	0.092	0.144	0.001	%
Ni	0.002	0.006	0.005	<0.001	0.004	0.001	%
Pb	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	%
S	0.012	0.046	0.269	0.211	0.300	0.001	%
Sn	0.009	0.014	0.014	0.010	0.009	0.003	%
Sr	0.003	0.004	0.004	0.003	0.006	0.001	%
Zn	0.007	0.008	0.021	0.018	0.011	0.001	%
Zr	<0.002	<0.002	<0.002	<0.002	<0.002	0.002	%
V ₂ O ₅	<0.002	<0.002	0.008	<0.002	<0.002	0.002	%
LOI	1.45	0.61	-0.48	-1.10	3.32		
SUM	100.52	101.39	100.75	100.21	100.95		



ANALYSIS REPORT
Ridgmont Iron Ore Corp.

Project No: 11006

Date Completed: 06-Sep-11
Analytical Lab: ACME

Elements	MW-11-C001	MW-11-C002	MW-11-C003	MW-11-C004	MW-11-C005	Detection Limits	
	*DT Mag	*DT Mag	*DT Mag	*DT Mag	*DT Mag		
SiO ₂	1.44	1.71	2.68	2.17	1.54	0.01	%
Al ₂ O ₃	0.88	0.97	1.38	1.16	0.91	0.01	%
Fe ₂ O ₃	99.30	98.43	97.31	98.32	99.24	0.01	%
CaO	1.23	1.24	1.43	1.34	0.95	0.01	%
MgO	0.33	0.41	0.66	0.46	0.30	0.01	%
K ₂ O	0.05	0.06	0.05	0.05	0.05	0.01	%
MnO	0.07	0.08	0.14	0.12	0.06	0.01	%
TiO ₂	0.01	0.03	0.05	0.04	0.05	0.01	%
P ₂ O ₅	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	%
Cr ₂ O ₃	0.004	0.005	0.01	<0.004	<0.004	0.004	%
As	<0.003	<0.003	<0.003	<0.003	<0.003	0.003	%
Ba	<0.004	<0.004	<0.004	0.004	0.004	0.004	%
Co	0.003	0.002	0.002	0.003	0.001	0.001	%
Cu	0.012	0.010	0.032	0.041	0.043	0.001	%
Ni	<0.001	0.002	0.021	0.003	0.002	0.001	%
Pb	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	%
S	<0.001	<0.001	<0.001	0.024	0.058	0.001	%
Sn	0.015	0.014	0.010	0.011	0.015	0.003	%
Sr	0.004	0.002	0.003	0.002	0.003	0.001	%
Zn	0.009	0.007	0.017	0.014	0.009	0.001	%
Zr	<0.002	<0.002	<0.002	<0.002	<0.002	0.002	%
V ₂ O ₅	<0.002	<0.002	<0.002	<0.002	<0.002	0.002	%
LOI	-2.35	-2.34	-2.36	-2.44	-2.61		
SUM	100.99	100.62	101.44	101.31	100.63		

*DT Mag - Davis Tube Magnetic Product

Sample Name	Sample Number	Easting	Northing	Fe	Ni	Co	Ti	Cr	V	Pd	Ag	Ta	W	Hf
				XRF Results										
MW-11-R001	13856	624289	5579693	44.48		0.133					0.025	0.04		
MW-11-R002	13857			47.63			0.027			0.008	0.031			
MW-11-R003	13858	625244	5580497	1.94		0.004	0.288			0.002		0.001		
MW-11-R004	13859	625256	5580436	5.65						0.001				
MW-11-R005	13860	624383	5579755	9.03		0.077	0.357			0.004	0.025			
MW-11-R006	13861	624383	5579755	25.32		0.078	0.215				0.014		0.202	2.72
MW-11-R007	13862	624631	5579704	2.47		0.002	0.252							
MW-11-R008	13863	624605	5579630	5.74			0.713				0.002			
MW-11-R009	13864	624724	5579580	3.7			0.428				0.031			
MW-11-R010	13865	624727	5579561	23.51		0.044	0.37				0.021	0.002		0.099
MW-11-R011	13866	624688	5579423	6.05			0.379							
MW-11-R012	13867	624777	5579291	4.64							0.015	0.002		
MW-11-R013	13868	624828	5579202	2.23										
MW-11-R014	13869	627639	5575915	7		0.017	0.421				0.007			0.077
MW-11-R015	13870	626627	5576880	4.65	0.022		0.251				0.009			
MW-11-R016	13871	625485	5581636	46.7		0.035				0.016	0.073	0.022		

Appendix E
Statement of Qualifications

Statement of Qualifications

I Arnold R. Pollmer of 7570 Bell McKinnon Rd. Duncan, BC, Canada, V9L 6B1, hereby certify:

1. I am a self-employed consulting geologist with greater than 35 years experience in the mining and exploration industry.
2. I am a graduate of Wisconsin State University (1972) with an Honours Bachelor of Science in Geology.
3. I am a member of the Association of Professional Engineers and Geoscientists of BC since 1992.
4. I am responsible for the execution, management and quality assurance of this project and its personnel.
5. I have an unfettered position regarding this project, with no prior involvement and no financial interests.
6. I believe this report to be correct and based on factual information.

Dated this 1st day of May, 2012

A. R. Pollmer, P.Ge