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455 Granville Street, Suite 200  
Vancouver, B.C.

**GEOPHYSICAL REPORT**  
For Mineral Claims 651244, 651164, 651203, 651223 and  
659303  
A Portion of the Castle Copper Property (Rats Property)

Simikameen Mining Division

British Columbia

BC Geological Survey  
Assessment Report  
32187

NTS 92H/0W

49 degrees, 34 min. N, 120 degrees, 27 min. W

By:

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Blaine, Wa., 98230  
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Date: March 28, 2011

32,187

**GEOLOGICAL SURVEY BRANCH**  
**ASSESSMENT REPORT**

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Blue River Resources Ltd. has done a thorough investigation of the historic exploration done on the Castle Copper Property (Rats Property) and reconfirmed mineralization by trenching and sampling outcrops in the Rats area. Because there is limited outcrop we must rely on geophysics, geochemistry, trenching and diamond drilling.

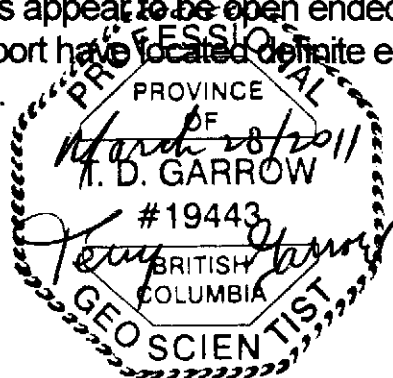
Historically, on this property, the complex Nicola Volcanic assemblage is intruded by numerous small syenitic to monzonitic plutons which are cross-cut by the north trending Boundary- Summers Creek Fault, a regional structural break that has localized the gold copper deposits and prospects such as the Cominco Axe on this property.

Past exploration, in the 1980's by Count Fleet Exploration and 2009 by Blue River Resources Ltd., including soil geochemistry, drilling and trenching, focused in the Rats showing area and has outlined an approximately 800 X 800 meter anomalous copper area.

Regional government Aeromag, Gravity and Magnetic compilations for this claim area show strong definite northerly trends extending from the Rats showing to the recent ground geophysics of this report. The magnetometer and VLF-EM survey of this report extends the potential mineralized anomaly north 2 kilometers on the property.

2.0 CONCLUSIONS

Exploration on this property is at a very grass roots level, outcrop is limited geological mapping, prospecting, geochemistry, geophysics, trenching and drilling are incomplete. Several anomalous north-south striking mineralized zones have been identified centrally on the property that are high in copper with traces of silver, zinc, arsenic and molybdenum, these anomalies appear to be open ended and the reconnaissance Mag and VLF survey of this report have located definite extensions 2 kilometers to the north of the known trenching.



I recommend an additional 60 line kilometers of Mag and VLF ground surveys and soil geochemistry sampling, to extend the known anomalous areas to the north, followed by 3,000 meters (10 diamond drill holes X 300 meters each) to infill drill the main anomalies, developing a resource if possible and an additional 1,500 meters (5 diamond drill holes X 300 meters each) to drill the new coincident soil and geophysical anomalies that are developed this year as the anomalous zones are extended to the north.

### 4.0 INTRODUCTION AND GENERAL REMARKS

A 4 day field ground geophysical survey utilizing 2 geophysical technicians and a senior geologist, a Geometrics proton magnetometer, a Geonics VLF-EM 16 and an Ashtech Mobile Mapper GPS, during the period November 25 to 28 on Mineral Claims 651244, 651164, 651203, 651223 and 659303 a portion of the Castle Copper Project (Rats Property).

Data for this assessment report was gathered by the author and his technicians on the site approximately 12 kilometers north of Princeton, B.C. to extend the known anomalies to the north on the Castle Copper Property, as reported in the NI 43101 prepared by SRK Consulting, October 2009.

For this assessment report, a detailed title search was conducted on mineral claims and a review of the historical exploration.

Blue River Resources Ltd. Controls 100% ownership of the Castle Copper Property (Rats Property), which consists of 9 Mineral Claims located approximately 12 kilometers north of Princeton, B.C. in the Simikameen Mining Division. The geophysical work documented in this report applies to the following 5 mineral claims of the property, 651244, 651164, 651203, 651223, 659303.

<u>CLAIM NAME</u>	<u>CLAIM TYPE</u>	<u>SIZE</u>	<u>GOOD TO</u>	<u>ASSESSMENT</u>
651244	Mineral	502.59	7/23/2011	1,294.33
651164	Mineral	502.57	7/23/2011	1,294.28
651203	Mineral	502.57	7/23/2011	1,294.28
651223	Mineral	502.56	7/23/2011	1,294.27
659303	Mineral	440.19	7/23/2011	<u>1,133.63</u>
				\$ 6310.79/YR

## 6.0 LOCATION AND ACCESS

The 2010 geophysical survey reported here is located on the 4 northerly mineral claims (651244, 651164, 651203, 651223) of the Castle Copper group of claims, located along the northern boundary of these claims, approximately 12.0 kilometers north of Princeton, in the Simikameen Mining Division, in southwestern British Columbia. The Junction of the Rampart and Summers Creeks is located on the western claim (651244) of the 4 claims in this report. The location is 49 degrees, 34 minutes north and 120 degrees 27 minutes west, with an NTS 92H/0W.

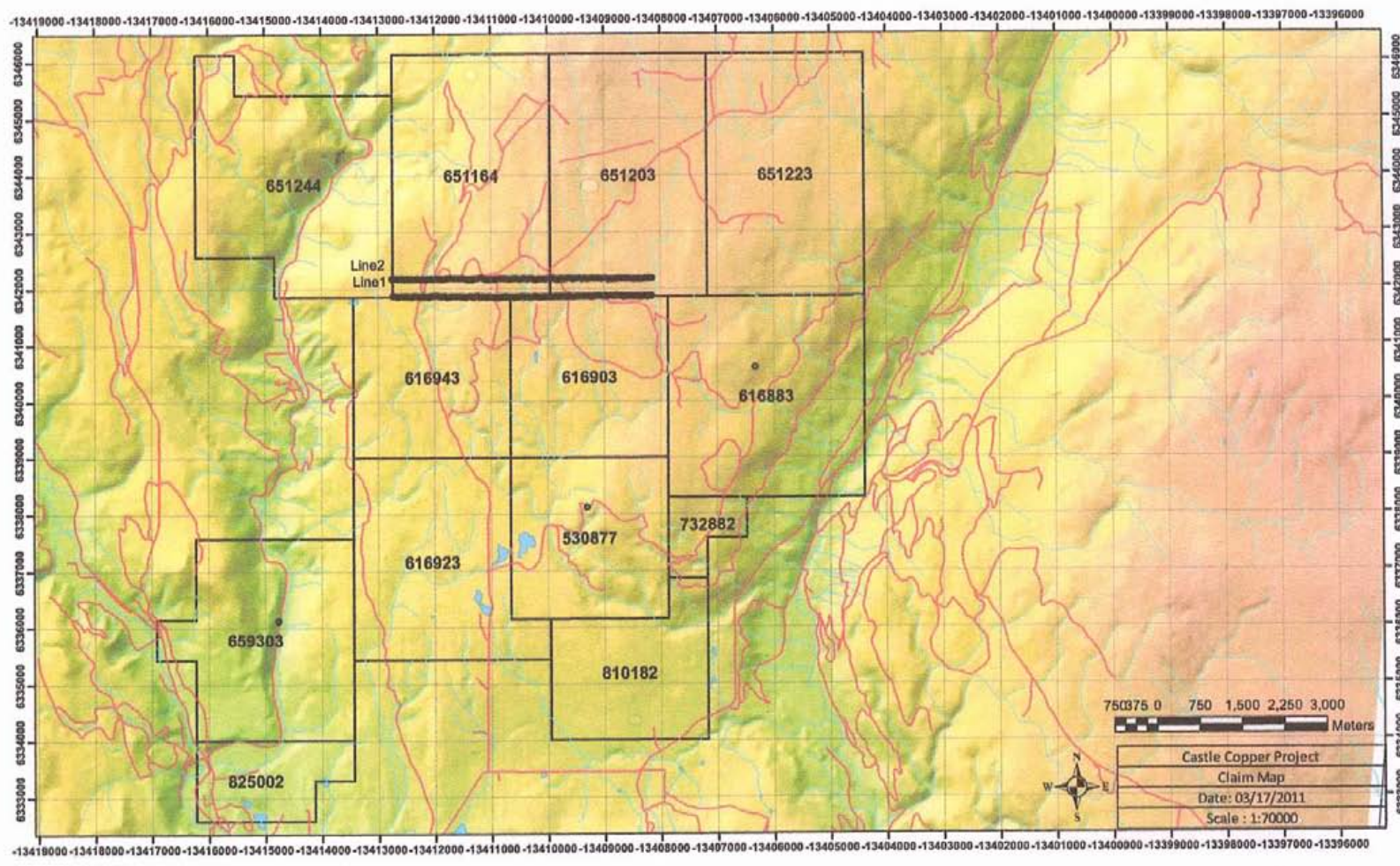
The northern claims where this geophysical work was completed can be accessed from Princeton via the northbound Princeton Summerland paved highway for 10 km. Then north on Hembrie Mountain graveled road for 2 km. A network of old logging roads provides access to most of the property.

The Castle Copper Property lies within the Thompson Plateau reaching elevations up to 1400 meters asl. In the northern part of the claim area the terrain consists of gently rolling slopes and ranchland. In the southern part of the claim location the area consist of grassy ranchland and also pine and aspen forests. There is always a generous supply of water from the many creeks, streams, and small lakes. There is a general lack of outcrops on the property which increases the importance of geophysics, trenching and drilling.

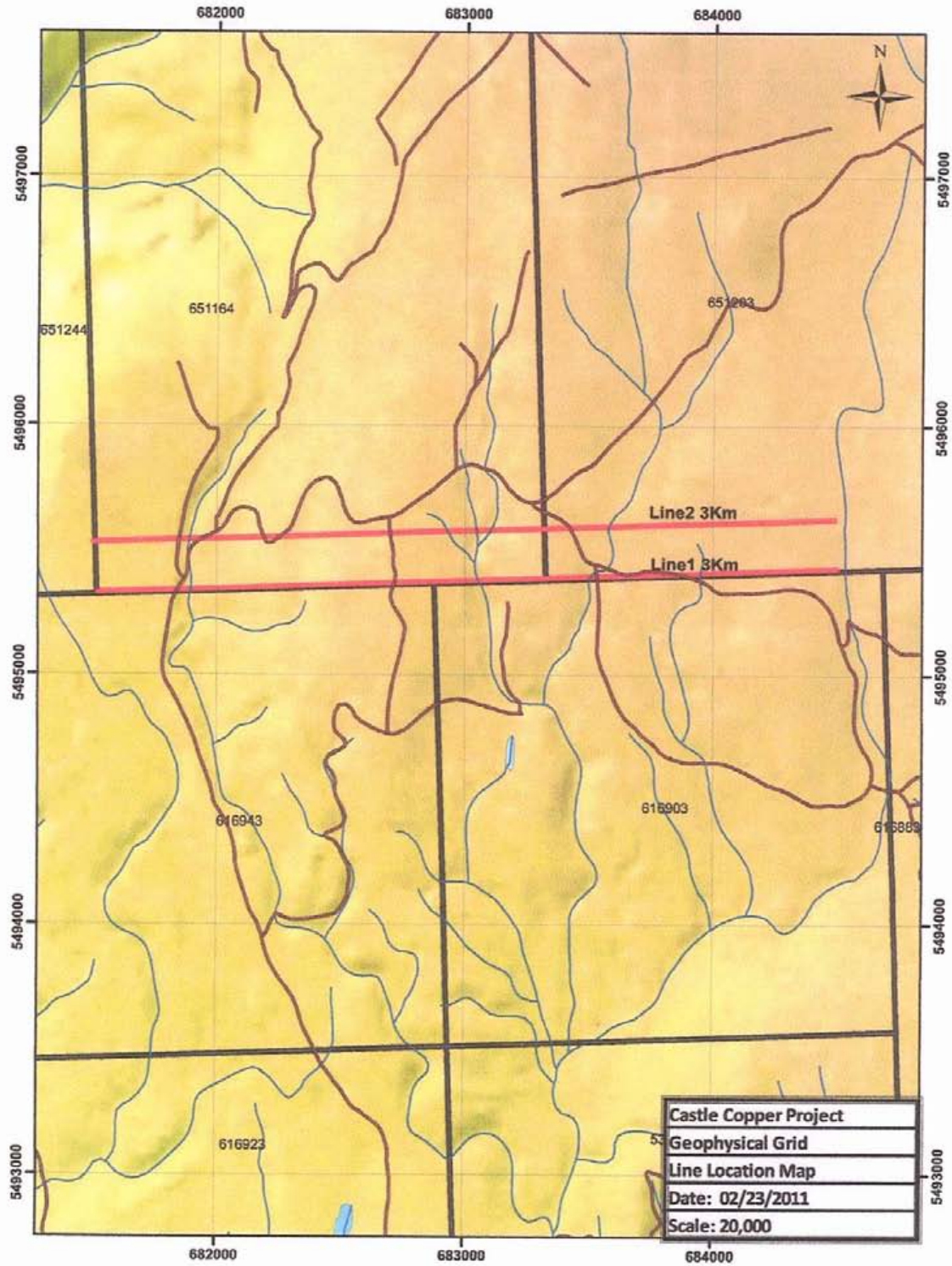
The climate in this area varies, the overall precipitation averages between 40 to 50 cm. annually approximately 25% to 30% occurs as snow fall. The temperature in the winter months can drop down to as low as -30 degrees C; summer time average is 20 degrees C.







Map 3 3D Location Map Showing the 2010 Geophysics Work Site Page 10  
In Relation to Princeton and Highway 5A





## Summary of Assessment Reports for the Castle Property

Report #	Year	Company	Author	Work Completed
3364	1971	Nicanex Mines Ltd.	EO. Chisholm, P.Eng	Geochemical
3396	1971	Texas Gulf Sulfur	J.M. Newell, P.Eng	Geological, Geochemical
3607	1971	Canwex Explorations Ltd.	D.W. Smellie, P.Eng.	Geophysical, I.P.
4444	1972	Canwex Explorations Ltd.	D.W. Smellie, P.Eng.	Geophysical, I.P.
4555	1973	Titan Polaris Mines Ltd.	G.C. Gutrath, P.Eng.	Ground Magnetometer
8735	1980	Tricor Resources Ltd.	L. Sookochoff, P.Eng.	Prospecting
16135	1986	Count Fleet Exploration	R.M. St. Louis	Geology, Trenching and soil survey
19165	1989	Noranda Exploration Ltd.	J.E. Christoffersen, P.Eng.	Mapping and soil survey
20113	1990	Cominco		IP, Magnetometer
30097	2008	L. Sostad		Geology and Mobile Metal Ion Survey (MMI)

The Castle Copper property has been explored intermittently since the late 1950's. In 1959, Kennco Explorations Limited conducted a series of surveys, which included some of the eastern ground covered by the present property. Geological, geochemical, geophysical surveys, diamond drilling and bulldozer trenching were completed. Only a small eastern portion of present property was surveyed at this time. However, an airborne magnetometer survey identified an area of prominent high magnetic response on the Castle property.

Between 1969 and 1973, Co-Pex Mining Corporation reportedly worked areas of the Castle Property. No public records of the company's activities or results of the drilling program are available. However, they have reported additional trenching and some 2400m of percussion drilling in 28 holes and 430m of diamond drilling in 3 holes on their ELK and SLEEPER group of claims, now covered in part by the Castle Property.

In the mid 1980's, Count Fleet Exploration Ltd. and Co-Pex Mining Corporation completed geological mapping and geochemical sampling over an area of extensive trenching (Trench Zone) on the Rat Showing. The Trench Zone area remains the focus of the exploration work carried out by Blue River.

Kennco Explorations held large amounts of mineral claims in the Jura area in the late 1950's. Kennco conducted geological and geophysical surveys of the area east of the Rats Claims, including mapping, soil geochemistry, IP magnetometer, aeromagnetics, seismic, diamond drilling and trenching. Their exploration established that a highly altered and copper mineralized zone at the center of the Rats Property followed a large magnetic high, representing magnetite rich volcanics or possibly mafic plutonics which required further follow-up. A second strong copper soil geochem anomaly trends northwest from the first anomaly. Tracking this anomaly to the northwest to locate drill targets was the purpose of the 2010 ground geophysical program of this report.

## 9.0 REGIONAL GEOLOGY

The Castle Copper Project Mineral Claims lie within a major belt of Upper Triassic to Lower Jurassic volcanic rocks and co-magmatic alkaline intrusions, which extend throughout the length of the intermontane belt of British Columbia. Previous work on the Castle Copper Claim area, indicates a complex assemblage of Upper Triassic to Lower Jurassic age Nicola Group volcanic rocks that have been intruded by numerous plutons ranging in composition from diorite, monzonite and syenite to later granodiorite and granite. The gold copper mining prospects along this belt such as the Axe (Cominco) and the Copper Mountain (Similco) relate the mineralization control to the north – trending Summers Creek fault system, a regional structural break, which also controlled the emplacement of many lobe like diorite and monzonite satellite stocks with porphyry style mineralization

## 10.0 PROPERTY GEOLOGY

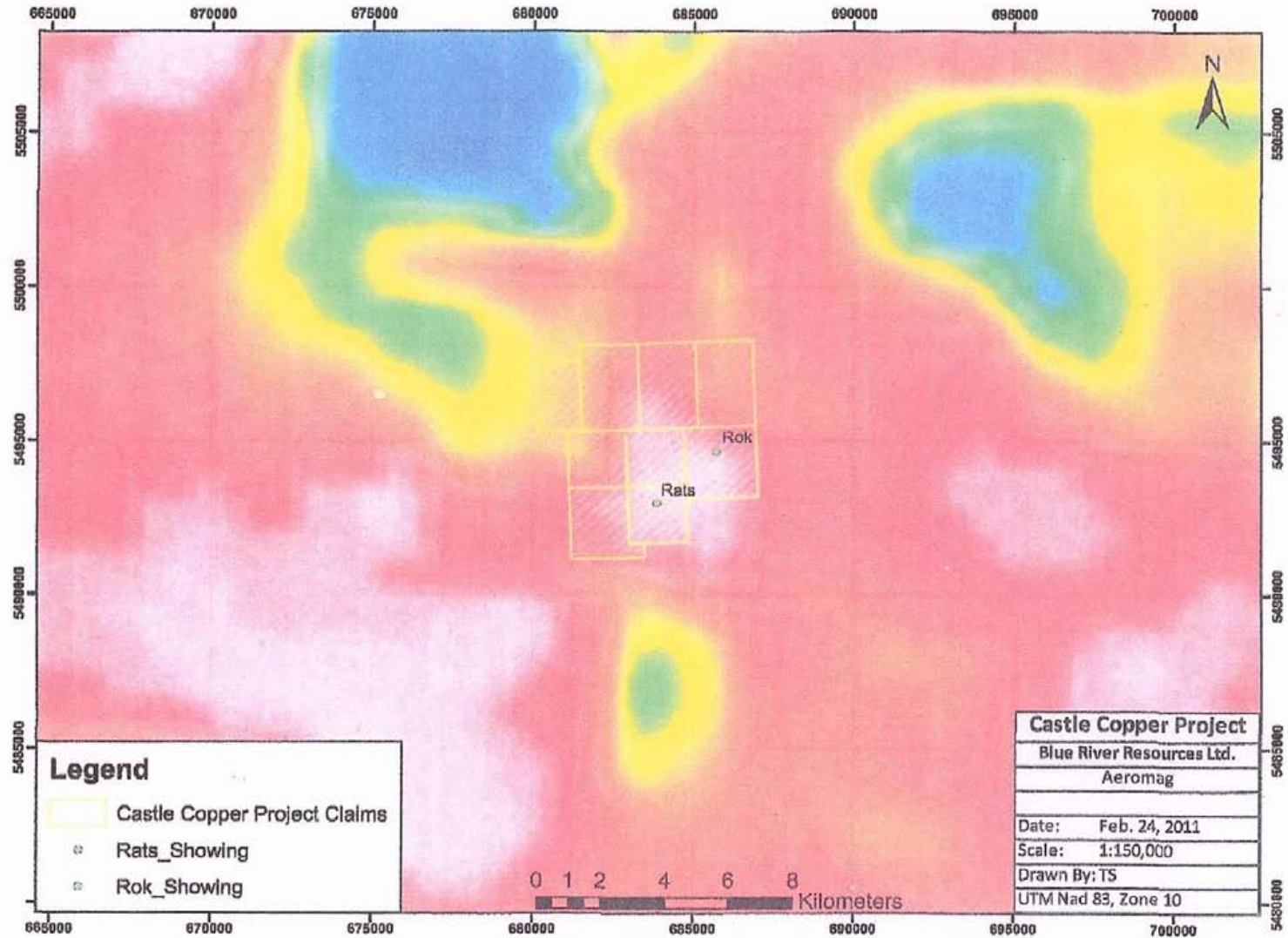
This area, west of Hayes Creek, north and east of Christian Creek, is underlain by the eastern volcanic facies of the Upper Triassic Nicola Group, comprising mafic, augite and hornblende porphyritic pyroclastics and flows, and associated alkaline intrusions. These rocks are intruded to the north and east by the Middle Jurassic Osprey Lake batholith. The Rat Showing lies about 900 metres southwest of the batholith.

The Nicola Group rocks have a stratigraphic thickness of approximately 7.5 km and form a 25 km wide band that extends from the Canada-U.S. border north to beyond Kamloops Lake. This band has been divided into lithologic assemblages that are commonly bounded by sub-parallel fault systems (Monger, 1989). The western assemblage is a steeply dipping, east-facing assemblage of sub-aqueous felsic to mafic rocks of calc-alkaline affinity that grade upwards into volcanoclastic rocks.

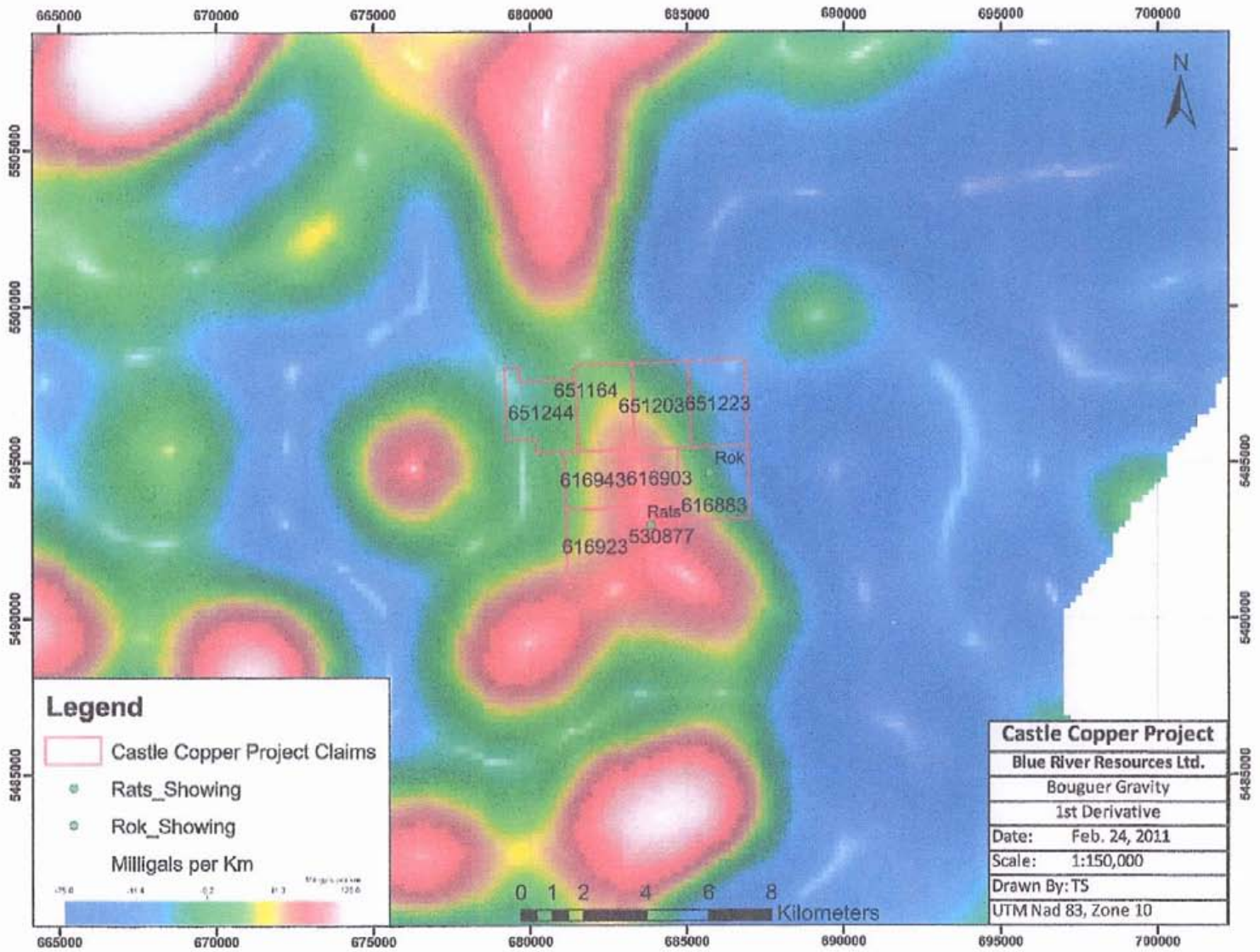
Copper mineralization is hosted in folded, sheared and altered basalts of the Nicola Group, adjacent to the southwest margin of a zoned stock comprised of diorite and monzonite. Plagioclase porphyritic basalts are the most common type of flow. Plagioclase pyroxene and olivine pyroxene basalts are also noted. Flow banding indicates some isoclinal folding has taken place, with fold axes plunging north. Shearing is widespread, and appears to occur in four distinct directions. Many of the shears are 1 to 10 metres wide and contain abundant gouge, iron oxide and carbonates, including malachite. The basalts are generally well altered, and are replaced by epidote, pink orthoclase, clay, carbonate and limonite. Epidote and orthoclase are commonly fracture controlled and associated with magnetite and sulphides. The degree of alteration varies, and in some places is related to shearing.

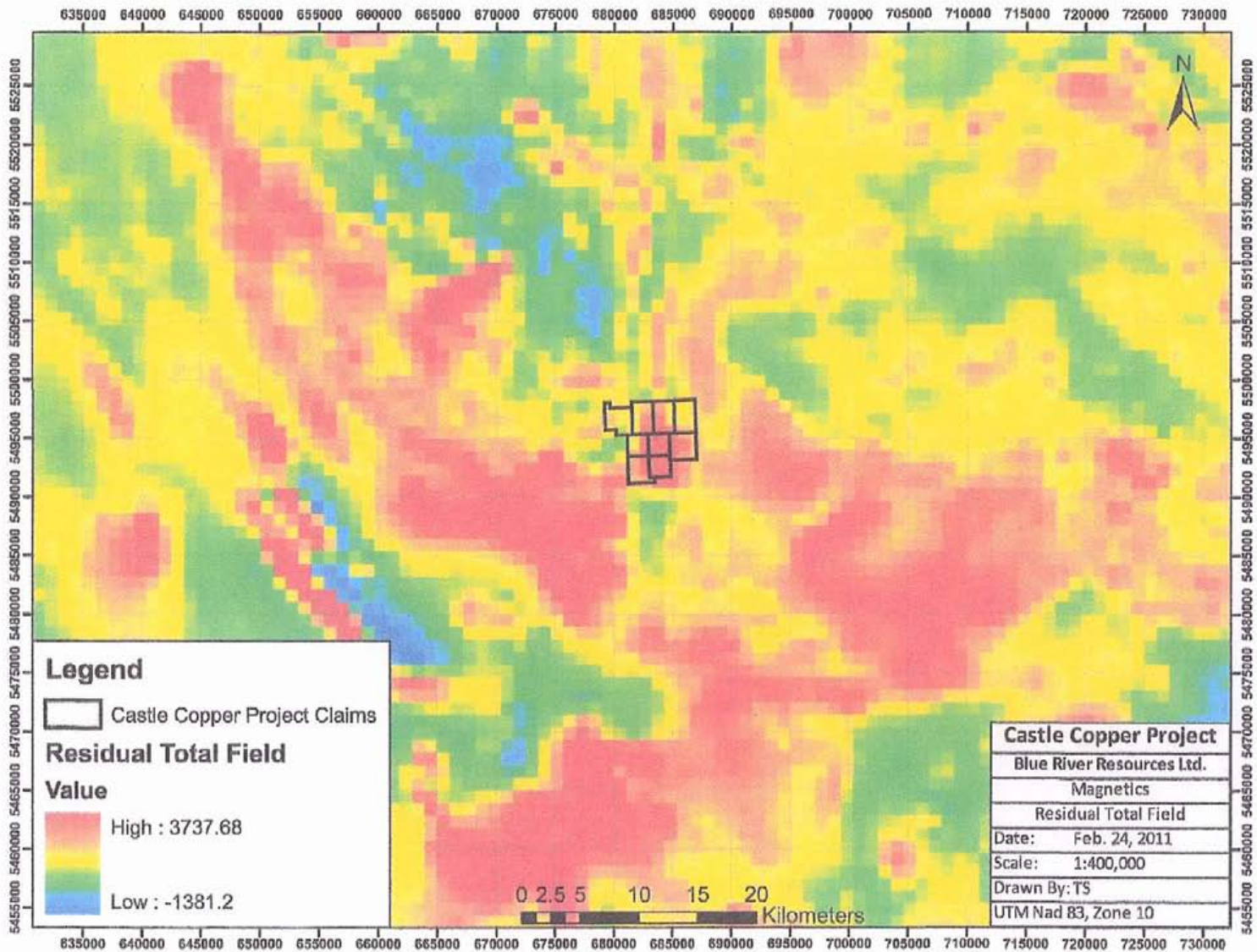
The Copper Mountain alkalic porphyry copper-gold camp occurs in the eastern volcanic assemblage of the Nicola Group (Monger, 1989). These volcanic strata are intruded by a suite of early Jurassic alkalic dykes, sills, irregular plugs and zoned plutons of the Copper Mountain suite (Woodsworth et al., 1992), but other than local contact effects and alteration associated with mineralization, the stratified rocks are relatively fresh having undergone only lower greenschist metamorphism.

The Castle property is mainly underlain by basaltic and andesitic flows of the Upper Triassic Nicola Group (Figure 7.1). The Nicola volcanic rocks strike in a northwest direction and are in contact with a Middle Jurassic-age granodiorite Osprey Lake Batholith in the northeast portion of the property. Rocks of the Nicola Group exposed on the property consist mainly of plagioclase and or olivine porphyritic basaltic flows and altered andesitic flows. Multi-directional shearing or fracturing is evident in outcrop and epidote and chlorite are abundant as fracture coatings. Outcrop on the property is restricted to high ridges exposed to the north of Christian Creek.











Terry Garrow, P. Geo was retained to complete a 6 kilometer reconnaissance ground magnetometer survey and evaluation of mineral claims 651244, 651164, 651203 and 651223 owned by Blue River Resources Ltd. located near Princeton, B. C. on November 25 to 28, 2010. The Proton Magnetometer and VLF-EM surveys consisted of two east-west lines each 3 kilometers long and 200 meters apart, individual recording stations were located along the grid lines at 25 meter spacing.

This four day reconnaissance ground geophysical survey utilized 2 geophysical technicians and a senior geologist, a Geometrics Proton Magnetometer, a Geonics VLF-EM 16 and an Ashtech Mobile Mapper GPS, during the period November 25 to 28 on Mineral Claims 651244, 651164, 651203, and 651223 the northern portion of the Castle Copper Property, (Rats Property).

Data for this assessment report was gathered by the author and his technicians on the site approximately 12 kilometers north of Princeton, B.C. to extend the known anomalies as reported in the NI 43101 prepared by SRK Consulting, October 2009, to the north 2 kilometers on the Castle Copper Property.

The magnetometer, VLF, and GPS northing easting and elevation were recorded in an excel spread sheet and plotted on 1:10000 contoured plans. See Appendix B.

### 13.0 Grid Location Control

GPS Grid Location Control was accomplished with sub-meter accuracy using a handheld Ashtech Magellan Mobile Mapper 100. Recording stations were located at 25 meter spacing along the east-west survey lines; each recording station was flagged for future reference.

The UTM Coordinates for the start of Line 1 are 5,495,327N, 681,519E and the end of line 1 is at 5,495,425N, 684,499E. The elevation is 1133.9 to 1284.2 meters a.s.l.

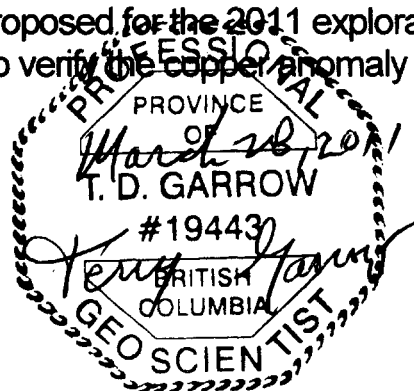
The UTM Coordinates for the start of Line 2 are 5,495,626N, 684,492E and the end of Line 2 is at 5,495,526N, 681,504E. The elevation is 1297.9 to 1156.7 meters a.s.l.

Historically, on this property, the complex Nicola Volcanic assemblage is intruded by numerous small syenitic to monzonitic plutons which are cross-cut by the north trending Boundary- Summers Creek Fault, a regional structural break that has localized the gold copper deposits and prospects such as the Cominco Axe.

Past exploration including soil geochemistry, drilling and trenching, focused in the Rats showing area has outlined an approximately 800 X 800 meter anomalous copper area.

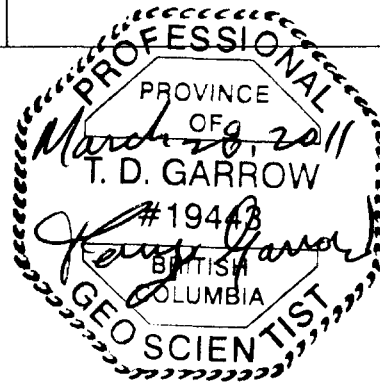
Regional government Aeromag, Gravity and Magnetic compilations for this claim area show strong definite northerly trends extending from the Rats showing to the recent ground geophysics of this report. The magnetometer and VLF-EM survey of this report extends the existing copper anomaly north 2 kilometers on the Castle Copper Property.

Additional recommended ground geophysics proposed for the 2011 exploration program will delineate diamond drilling targets to verify the copper anomaly extension to the north, on this property.



<b>18. Expense (s) (completed either hourly rate or daily rate)</b>	<b>Total Hours or # of days</b>	<b>Hourly Rate</b>	<b>Daily Rate</b>	<b>Total (s) (\$)</b>
<b>Labour Cost: (specify type)</b>				
Geologist	2 days		\$550.00	\$1100.00
Geophysical Tech	4 days		\$200.00	\$800.00
Geo-Helper & Line-cutter	4 days		\$150.00	\$600.00
<b>Equipment &amp; Machine cost: (specify type)</b>				
Geometrics VLF-EM	4 days		\$175.00	\$700.00
Geometrics Proton-Mag	4 days		\$175.00	\$700.00
Magellan GPS	4 days		\$50.00	\$200.00
<b>Lodging &amp; Food :</b>				
Motel – lodging	10 man days		\$67.20	\$672.00
Restaurant meals	10 man days		\$50.00	\$500.00
<b>Other: (specify)</b>				

<b>Total costs of work from above</b>				<b>\$5,272.00</b>
<b>20. Transportation/travel Specify type</b>	<b>Days</b>	<b>Rate (s)</b>	<b>Total (s) (\$)</b>	
4x4 Nissan pickup	4 days	\$175.00	\$700.00	
4x4 Dodge 2500 pick up	2 days	\$175.00	\$350.00	
<b>21. Transportation/travel, maximum 20% of the value in 19</b>			\$1,050.00	
<b>22. Total costs of work (add 19 and 21):</b>			\$6,322.00	
<b>23. Amount claimed for assessment credit on claims:</b>			\$6,322.00	



I Terry David Garrow, P. Geo. do hereby certify that:

1. I am currently an independent Exploration and Mining Geologist, located at 8061 Chinook Way  
Blaine, Washington, 98230  
Tel: 360-305-4013  
E mail: terrygarrow@comcast.net

2. I graduated from the University of Saskatchewan in 1969 with a Bachelor of Science degree Geology.

3. I am a registered Professional Geoscientist in the province of British Columbia, Canada (#19443) and a member of the Canadian Institute of Mining and Metallurgy.

4. I have worked as a geologist for a total of 40 years since my graduation from university.

5. I am responsible for the compilation and supervision of all contributions to the Geophysical Report for Claims 651244, 651164, 651203, 651223, and 659303.







APPENDIX A – Photo 2  
Castle Copper Project Photographs of 2010 Geophysical Work Site





APPENDIX A – Photo 3  
Castle Copper Project Photographs of 2010 Geophysical Work Site  
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Geometrics, Proton Magnetometer & Geotronics, VLF EM-16 Survey

Line 1 & 2- Mag. & VLF Data Spreadsheets 26

Line 1 & 2- Mag Map with data plotted at 25 meter stations on the grid lines 33

Line 1 & 2- VLF Map with data plotted at 25 meter stations on the grid lines 34

GridLine1 90E								
UTM CORDS			Grid	VLF2		Mag		
Easting	(Northing	[Elevation	Grid_Point	Left	IVLF 90E	VLF_Quad	Reading#	Mag
681519.2	5495327	1133.91613	LI 0+25					
681545.8	5495328	1134.30258	LI 0+50					
681569.4	5495326	1135.20387	LI 0+75		-1	0		55385
681592.7	5495327	1135.33355	LI 1+00		0	2		55402
681619.9	5495330	1135.42516	LI 1+25		3	2		55431
681643.9	5495328	1138.64194	LI 1+50		-3	-2		55479
681670.8	5495333	1134.42613	LI 1+75		0	1		55295
681694.2	5495331	1138.43194	LI 2+00		-2	-2		55017
681720.3	5495331	1137.97613	LI 2+25		-4	-2		55046
681744.3	5495329	1134.71645	LI 2+50		-8	0		55172
681768.2	5495338	1137.09452	LI 2+75		-1	0		55307
681792	5495338	1142.23645	LI 3+00		-5	6		55354
681820.6	5495335	1140.88161	LI 3+25		-1	14		55208
681846.5	5495331	1141.95871	LI 3+50		-7	14		55451
681875.3	5495340	1129.83936	LI 3+75		-5	6		55409
681897.6	5495335	1131.89516	LI 4+00		-1	-2		55483
681920.3	5495338	1140.19419	LI 4+25		•1	-8		55224
681942.7	5495336	1137.86032	LI 4+50		1	2		55149
681969.8	5495342	1138.96742	LI 4+75		7	0		55441
681994.9	5495342	1146.67774	LI 5+00		24	4		55475
682021	5495347	1152.38677	LI 5+25		25	2		55209
682048.4	5495346	1160.99613	LI 5+50		25	6		55183
682072.9	5495341	1164.31613	LI 5+75		7	0		55445
682095.4	5495341	1167.09484	LI 6+00		1	0		55228
682122.6	5495347	1168.46645	LI 6+25		12	-4		55497
682145.2	5495338	1174.00807	LI 6+50		20	-4		55415
682168.1	5495336	1180.86903	LI 6+75		27	0		55328
682194.6	5495345	1195.10452	LI 7+00		20	0		55484
682218.3	5495348	1199.96387	LI 7+25		9	0		55399
682247.8	5495349	1207.76258	LI 7+50		2	0		55308
682273.2	5495349	1215.10742	LI 7+75		2	-4		55221
682295.9	5495350	1219.16968	LI 8+00		35	0		55180
682321.1	5495346	1216.73355	LI 8+25		15	0		55440
682346.8	5495347	1218.98581	LI 8+50		17	4		55664
682368.2	5495346	1228.28516	LI 8+75		3	6		55694
682396.3	5495352	1226.76161	LI 9+00		16	10		55467
682423	5495352	1231.04065	LI 9+25		-6	10		55840
682446.8	5495346	1240.20484	LI 9+50		-	12		55812
682471.9	5495354	1241.46129	LI 9+75		7	12		55656
682496.8	5495359	1247.96258	LI 10+00		10	6		55751
682518.7	5495352	1249.66194	LI 10+25		14	8		56073
682542.8	5495353	1248.14774	LI 10+50		13	4		56050
682570	5495355	1249.28065	LI 10+75		14	2		55723
					12	0		55812

Grid1 Line1 90E								
UTM CORDS			Grid	VLF 2			Mag	
Easting	Northing	Elevation	Grid_Point	Left	VLF_90E	VLF_Quad	Reading#1	Mag
681519.2	5495327	1133.91613	L1 0+25					
681545.8	5495328	1134.30258	L1 0+50		-1	0		55385
681569.4	5495326	1135.20387	L1 0+75		0	2		55402
681592.7	5495327	1135.33355	L1 1+00		3	2		55431
681619.9	5495330	1135.42516	L1 1+25		-3	-2		55479
681643.9	5495328	1138.64194	L1 1+50		0	1		55295
681670.8	5495333	1134.42613	L1 1+75		-2	-2		55017
681694.2	5495331	1138.43194	L1 2+00		-4	-2		55046
681720.3	5495331	1137.97613	L1 2+25		-8	0		55172
681744.3	5495329	1134.71645	L1 2+50		-11	0		55307
681768.2	5495338	1137.09452	L1 2+75		-5	6		55354
681792	5495338	1142.23645	L1 3+00		-10	14		55208
681820.6	5495335	1140.88161	L1 3+25		-7	14		55451
681846.5	5495331	1141.95871	L1 3+50		-5	6		55409
681875.3	5495340	1129.83936	L1 3+75		-14	-2		55483
681897.6	5495335	1131.89516	L1 4+00		-17	-8		55224
681920.3	5495338	1140.19419	L1 4+25		1	2		55149
681942.7	5495336	1137.86032	L1 4+50		7	0		55441
681969.8	5495342	1138.96742	L1 4+75		24	4		55475
681994.9	5495342	1146.67774	L1 5+00		25	2		55209
682021	5495347	1152.38677	L1 5+25		25	6		55183
682048.4	5495346	1160.99613	L1 5+50		7	0		55445
682072.9	5495341	1164.31613	L1 5+75		12	0		55228
682095.4	5495341	1167.09484	L1 6+00		12	-4		55497
682122.6	5495347	1168.46645	L1 6+25		20	-4		55415
682145.2	5495338	1174.00807	L1 6+50		27	0		55328
682168.1	5495336	1180.86903	L1 6+75		20	0		55484
682194.6	5495345	1195.10452	L1 7+00		9	0		55399
682218.3	5495348	1199.96387	L1 7+25		20	0		55308
682247.8	5495349	1207.76258	L1 7+50		25	-4		55221
682273.2	5495349	1215.10742	L1 7+75		35	0		55180
682295.9	5495350	1219.16968	L1 8+00		15	0		55440
682321.1	5495346	1216.73355	L1 8+25		17	4		55664
682346.8	5495347	1218.98581	L1 8+50		3	6		55694
682368.2	5495346	1228.28516	L1 8+75		-16	10		55467
682396.3	5495352	1226.76161	L1 9+00		-6	10		55840
682423	5495352	1231.04065	L1 9+25		-1	12		55812
682446.8	5495346	1240.20484	L1 9+50		7	12		55656
682471.9	5495354	1241.46129	L1 9+75		10	6		55751
682496.8	5495359	1247.96258	L1 10+00		14	8		56073
682518.7	5495352	1249.66194	L1 10+25		13	4		56050
682542.8	5495353	1248.14774	L1 10+50		14	2		55723
682570	5495355	1249.28065	L1 10+75		12	0		55812

682593.4	5495354	1248.16613	L1 11+00	10	-2	56282
682619.1	5495355	1243.47355	L1 11+25	13	2	56461
682644.6	5495356	1249.42484	L1 11+50	17	4	55936
682670.3	5495356	1256.73548	L1 11+75	11	0	56307
682694.6	5495356	1254.22355	L1 12+00	15	2	56367
682720.1	5495357	1261.51129	L1 12+25	5	0	56079
682745.9	5495354	1263.00258	L1 12+50	-4	-8	56246
682769.8	5495359	1257.3629	L1 12+75	5	-6	56158
682794.7	5495361	1253.24161	L1 13+00	13	-4	56121
682822.2	5495362	1259.09903	L1 13+25	5	-6	56047
682845.6	5495361	1256.53581	L1 13+50	-6	6	55730
682869.7	5495361	1255.22807	L1 13+75	8	0	58674
682894.1	5495361	1252.45419	L1 14+00	3	2	58604
682920.8	5495358	1249.60645	L1 14+25	-12	2	58758
682945.1	5495363	1249.45871	L1 14+50	-35	0	58880
682972	5495365	1247.35226	L1 14+75	-33	4	58774
682995.9	5495368	1242.09968	L1 15+00	-24	4	58524
683020.2	5495370	1240.01097	L1 15+25	-20	4	59205
683046.9	5495370	1228.04	L1 15+50	-12	2	55635
683071.8	5495370	1237.21613	L1 15+75	-3	0	55908
683096.4	5495370	1246.11581	L1 16+00	3	2	56064
683120.8	5495371	1247.57484	L1 16+25	0	2	56382
683146.8	5495373	1251.36968	L1 16+50	0	4	56701
683170.7	5495374	1254.64581	L1 16+75	0	4	56460
683197.8	5495373	1253.03387	L1 17+00	0	4	56054
683223	5495375	1257.69419	L1 17+25	0	4	56162
683249.5	5495378	1258.59065	L1 17+50	3	4	56200
683272.6	5495377	1261.60936	L1 17+75	-12	2	56417
683295.8	5495379	1264.93903	L1 18+00	-10	4	56803
683321.5	5495378	1268.60742	L1 18+25	-5	8	56638
683369.3	5495382	1273.99387	L1 18+50	-8	4	56788
683349.4	5495381	1273.57452	L1 18+75	-7	0	56163
683397	5495388	1277.58516	L1 19+00	-7	0	56788
683422.9	5495385	1273.27677	L1 19+25	-6	0	57288
683449	5495388	1269.8229	L1 19+50	-1	-2	57566
683472.1	5495388	1266.3729	L1 19+75	0	-2	57237
683497.7	5495390	1257.09581	L1 20+00	-3	-6	58746
683524.1	5495387	1261.10548	L1 20+25	-5	-4	55993
683547.3	5495388	1264.9971	L1 20+50	3	0	57144
683572.1	5495387	1266.43032	L1 20+75	9	0	57496
683595.4	5495387	1263.28903	L1 21+00	10	0	57147
683621.3	5495388	1262.37613	L1 21+25	12	0	57414
683648.5	5495394	1268.17323	L1 21+50	3	-4	57087
683672.8	5495395	1266.55677	L1 21+75	-2	-6	56771
683699.1	5495398	1266.49161	L1 22+00	2	-4	56766
683725.8	5495399	1265.65968	L1 22+25	6	-4	56700
683748.3	5495398	1270.46839	L1 22+50	9	-2	56799

683773.1	5495401	1269.79839	L1 22+75	16	-2	56658
683799.7	5495395	1273.66516	L1 23+00	15	-4	58295
683822.1	5495399	1274.39323	L1 23+25	14	-8	57179
683847.8	5495404	1278.57226	L1 23+50	17	-8	57117
683873.7	5495405	1275.81742	L1 23+75	15	-10	57759
683899.5	5495406	1275.59194	L1 24+00	11	4	56480
683923.4	5495405	1280.83742	L1 24+25	5	0	58933
683949.2	5495407	1276.09419	L1 24+50	0	0	56428
683972.2	5495411	1277.88871	L1 24+75	4	6	55960
683996.9	5495408	1280.93807	L1 25+00	2	4	57281
684021.9	5495412	1279.08355	L1 25+25	-5	0	58959
684047.4	5495413	1280.4	L1 25+50	-9	0	57452
684074.4	5495413	1284.31419	L1 25+75	0	0	57323
684099.9	5495415	1283.82355	L1 26+00	0	-2	57135
684125.6	5495415	1286.60516	L1 26+25	6	0	57049
684149.7	5495414	1288.09258	L1 26+50	12	4	57293
684174.6	5495411	1287.90097	L1 26+75	7	4	56783
684198.6	5495414	1291.04807	L1 27+00	-7	4	56988
684223.7	5495414	1291.45097	L1 27+25	-2	4	56921
684249.4	5495413	1293.87645	L1 27+50	3	6	56697
684273.1	5495417	1292.94194	L1 27+75	5	2	56484
684300.3	5495418	1291.67613	L1 28+00	0	0	56641
684323.3	5495419	1291.25355	L1 28+25	-3	2	56419
684348.2	5495418	1287.82097	L1 28+50	-10	4	56535
684372.4	5495417	1285.45032	L1 28+75	-17	4	56688
684397.8	5495421	1277.11548	L1 29+00	-23	2	56700
684425	5495420	1282.2529	L1 29+25	-15	4	56795
684452.7	5495419	1288.1271	L1 29+50	5	8	57257
684473.9	5495422	1287.83129	L1 29+75	15	14	57182
684498.5	5495425	1284.2729	L1 30+00	10	0	56483
		L1 30+00		17	-2	56218

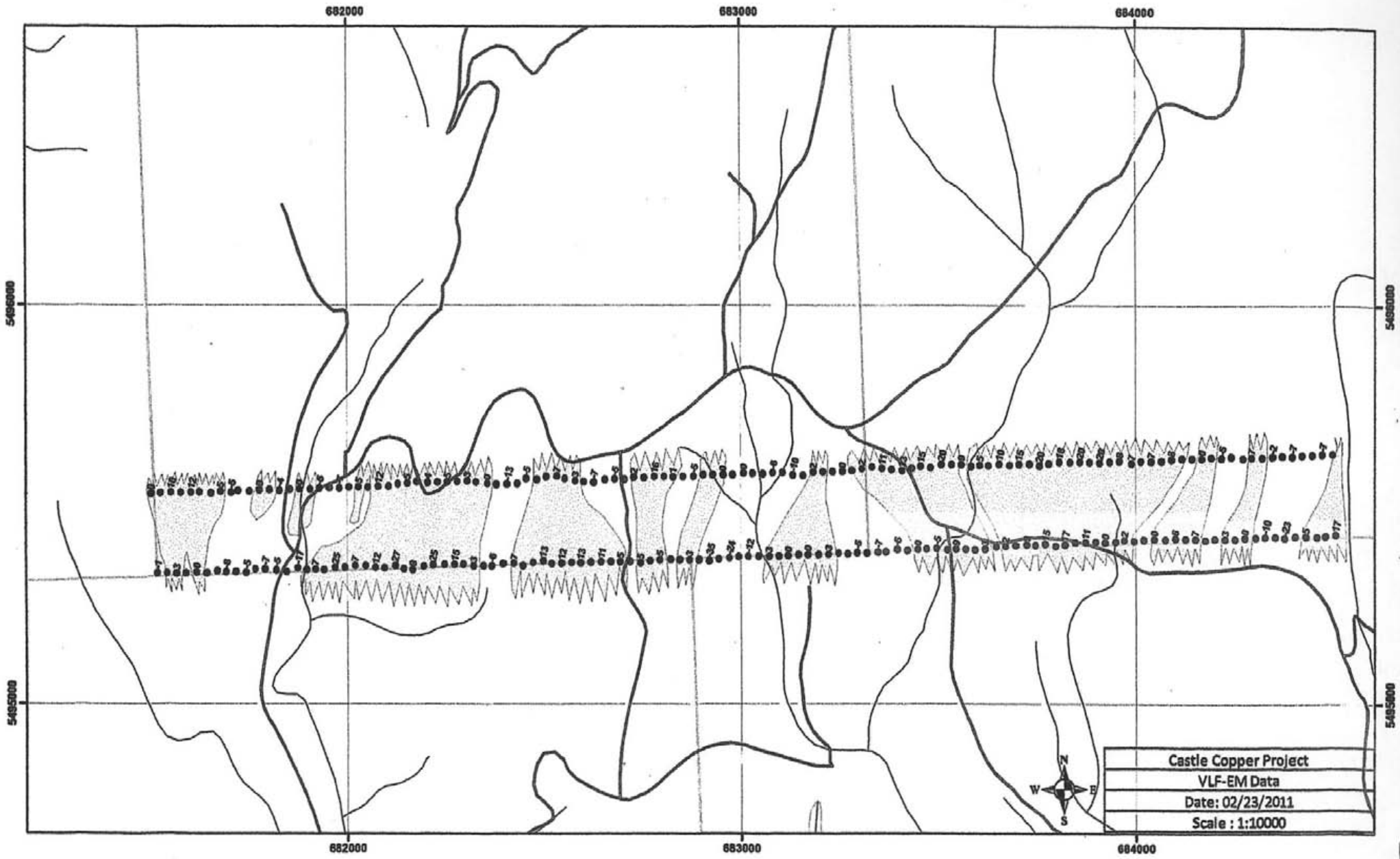
Grid1 Line2 90E								
UTM CORDS			Grid	VLF 2			Mag	
Easting	Northing	Elevation	Grid_Point	Left	VLF_90E	VLF_Quad	Reading#1	Mag
684491.7	5495626	1297.91807	L2 0+00		-5	-2		55388
684465.6	5495626	1298.35581	L2 0+25		-7	-2		55278
684441.3	5495624	1298.88161	L2 0+50		-12	-4		55292
684415.9	5495624	1303.04742	L2 0+75		-15	-4		55225
684391.4	5495621	1300.32161	L2 1+00		-7	0		55187
684365.8	5495622	1299.74258	L2 1+25		-2	2		55357
684341.7	5495620	1298.00516	L2 1+50		-2	-2		55266
684315.8	5495618	1297.27258	L2 1+75		5	0		55253
684289.7	5495619	1302.33258	L2 2+00		7	6		58617
684268.6	5495616	1298.54968	L2 2+25		-10	10		56375
684239.1	5495620	1294.92097	L2 2+50		-10	10		55414
684215	5495617	1294.48807	L2 2+75		-5	6		55213
684189.7	5495619	1301.04903	L2 3+00		0	4		54785
684166.4	5495615	1289.87839	L2 3+25		0	0		55237
684141.4	5495615	1286.99645	L2 3+50		-10	-6		55498
684115.9	5495616	1284.47226	L2 3+75		0	0		55334
684089.6	5495613	1289.92613	L2 4+00	*	8	8		55360
684064.8	5495609	1284.98936	L2 4+25		8	8		55520
684039.4	5495609	1283.59968	L2 4+50		7	4		54886
684014.8	5495608	1284.04677	L2 4+75		5	2		54875
683990.7	5495603	1286.62936	L2 5+00		7	0		55116
683960	5495609	1294.05194	L2 5+25		8	0		55205
683935.1	5495607	1295.70129	L2 5+50		12	-2		55297
683909.6	5495605	1288.13484	L2 5+75		20	0		54986
683884.6	5495606	1281.99452	L2 6+00		29	6		55286
683859.9	5495607	1282.43161	L2 6+25		20	2		55930
683835.2	5495606	1279.96	L2 6+50		15	0		55397
683808.8	5495607	1281.36936	L2 6+75		18	0		55070
683781.4	5495602	1284.88613	L2 7+00		20	0		55558
683758.6	5495597	1284.7029	L2 7+25		20	4		55530
683733.1	5495602	1279.70742	L2 7+50		20	6		55642
683706.9	5495601	1274.30484	L2 7+75		15	-2		55653
683683.3	5495598	1277.97323	L2 8+00		11	-2		55905
683657.1	5495602	1275.88226	L2 8+25		10	2		55649
683630.2	5495598	1278.82065	L2 8+50		12	8		56205
683608.5	5495599	1275.66548	L2 8+75		5	10		55843
683585.8	5495595	1283.56194	L2 9+00		-1	8		55649
683560.9	5495600	1275.96161	L2 9+25		9	12		56134
683535.1	5495600	1277.25194	L2 9+50		14	10		56163
683509.1	5495600	1279.88323	L2 9+75		20	10		56160
683481.7	5495591	1277.44677	L2 10+00		14	4		56106
683456.8	5495596	1278.32871	L2 10+25		15	0		56070
683433.8	5495590	1279.13548	L2 10+50		11	0		56129

683409.6	5495585	1277.29129	L2 10+75	13	2	56002
683383.5	5495587	1281.2629	L2 11+00	11	2	55801
683359.7	5495590	1283.47903	L2 11+25	11	2	55786
683334.5	5495593	1282.65065	L2 11+50	5	4	55729
683308.1	5495589	1282.35355	L2 11+75	2	2	55845
683282.6	5495584	1278.99936	L2 12+00	3	2	55942
683259.2	5495582	1275.95613	L2 12+25	0	0	56153
683232.7	5495582	1271.07968	L2 12+50	-5	0	56215
683208.9	5495581	1267.30258	L2 12+75	2	6	56473
683183.9	5495580	1263.3429	L2 13+00	2	6	56221
683158.5	5495572	1256.66194	L2 13+25	-5	2	56051
683133.3	5495573	1248.45419	L2 13+50	-10	0	55973
683106.6	5495579	1250.45968	L2 13+75	-8	2	56146
683081.9	5495579	1250.67355	L2 14+00	-6	2	57597
683056.6	5495577	1244.67516	L2 14+25	-15	-4	56388
683031.9	5495577	1247.5571	L2 14+50	-12	-2	56862
683007.9	5495578	1248.39258	L2 14+75	0	0	57656
682979.9	5495574	1249.64194	L2 15+00	0	0	58425
682955.9	5495574	1240.78839	L2 15+25	0	-2	58423
682929.7	5495574	1250.86871	L2 15+50	-2	-4	55418
682905.4	5495574	1257.44387	L2 15+75	12	10	55576
682881	5495570	1261.31742	L2 16+00	-5	4	56354
682853.6	5495570	1258.70419	L2 16+25	-14	4	56291
682829	5495568	1258.07226	L2 16+50	1	2	55987
682806	5495569	1261.3171	L2 16+75	12	6	56159
682780.6	5495570	1263.27839	L2 17+00	16	8	56098
682754.5	5495567	1259.50839	L2 17+25	18	8	55998
682729.4	5495568	1253.24839	L2 17+50	2	6	56445
682704.6	5495563	1259.32613	L2 17+75	-1	4	56629
682680.2	5495563	1258.59968	L2 18+00	-5	4	56728
682655	5495562	1253.47903	L2 18+25	-11	0	57022
682626.2	5495555	1258.05226	L2 18+50	-7	-4	57032
682602	5495557	1250.51548	L2 18+75	-1	-4	56892
682580.3	5495559	1256.50323	L2 19+00	3	-4	56735
682552.1	5495564	1256.91194	L2 19+25	6	-6	56080
682531.4	5495571	1244.32516	L2 19+50	7	-6	55927
682504.9	5495569	1245.70903	L2 19+75	10	-4	56416
682480.8	5495562	1238.44613	L2 20+00	14	0	56300
682453.9	5495564	1244.16936	L2 20+25	-5	-4	56465
682432	5495552	1238.21	L2 20+50	-17	-10	56879
682406.4	5495550	1274.40903	L2 20+75	-13	-6	56536
682381.5	5495550	1221.56452	L2 21+00	-15	-2	56254
682357.1	5495552	1218.74871	L2 21+25	0	0	56439
682327.6	5495556	1214.01387	L2 21+50	5	2	56499
682305.5	5495558	1217.98677	L2 21+75	3	0	56367
682280.8	5495557	1207.8629	L2 22+00	5	0	56082
682254.9	5495556	1204.63355	L2 22+25	5	2	55910

682229.5	5495555	1195.44097	L2 22+50	1	0	56257
682205.3	5495554	1192.64	L2 22+75	4	2	56586
682178	5495557	1196.50936	L2 23+00	5	-4	57028
682153.9	5495554	1186.63548	L2 23+25	5	-6	57388
682129.7	5495551	1183.07871	L2 23+50	10	-8	57515
682105.7	5495545	1177.63581	L2 23+75	15	-4	57381
682079.6	5495544	1172.74903	L2 24+00	12	0	56904
682054.6	5495542	1176.04774	L2 24+25	-1	0	56691
682030.6	5495543	1167.66774	L2 24+50	5	-4	56991
682005.5	5495543	1169.53903	L2 24+75	-6	6	57165
681980	5495541	1156.26258	L2 25+00	-7	4	57053
681955.3	5495541	1155.04807	L2 25+25	-5	4	57139
681930.5	5495540	1155.68161	L2 25+50	-5	0	57000
681906.9	5495537	1156.97774	L2 25+75	2	0	56769
681879.8	5495538	1146.86807	L2 26+00	0	0	56825
681856	5495537	1151.5829	L2 26+25	-4	0	56573
681829.1	5495535	1150.64419	L2 26+50	-4	-4	56644
681803.5	5495537	1150.23871	L2 26+75	0	-6	56873
681779.2	5495535	1150.84452	L2 27+00	0	-2	56586
681753.2	5495532	1148.82065	L2 27+25	-8	-2	56062
681724.9	5495534	1147.05839	L2 27+50	-16	-4	57074
681707.9	5495530	1153.81839	L2 27+75	-5	0	57229
681679.8	5495532	1143.55839	L2 28+00	5	4	57496
681654	5495528	1140.27226	L2 28+25	17	4	56884
681626.8	5495531	1143.86323	L2 28+50	20	0	56741
681606.6	5495529	1136.68936	L2 28+75	12	-6	56152
681580.4	5495529	1142.57677	L2 29+00	12	-4	56375
681555.3	5495529	1143.74839	L2 29+25	10	-6	55947
681527.7	5495528	1149.91355	L2 29+50	24	-4	55431
681503.9	5495526	1156.65194	L2 29+75	0	0	55667
			L2 30+00	-20	6	56224







Castle Copper Project
VLF-EM Data
Date: 02/23/2011
Scale : 1:10000