

Ministry of Energy and Mines
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Geophysical

TOTAL COST: 40,880.60

AUTHOR(S): Andris Kikauka

SIGNATURE(S): A. Kikauka

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): No surface disturbance

YEAR OF WORK: 2015

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5573323

PROPERTY NAME: Cariboo Gold - Weaver Creek

CLAIM NAME(S) (on which the work was done): 1038716, 1038717, 1038718

COMMODITIES SOUGHT: Gold, Silver, Platinum

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 093A022, 023, 220, 224, & 225

MINING DIVISION: Cariboo

NTS/BCGS: 093A 14/W, 093A.073, 083

LATITUDE: 52 ° 48 '17 " LONGITUDE: 121 ° 27 '42 " (at centre of work)

OWNER(S):

1) Noble Metal Group Incorporated

2)

MAILING ADDRESS:

1873 Spall Road, Kelowna, BC V1Y 4R2

OPERATOR(S) [who paid for the work]:

1) Same

2)

MAILING ADDRESS:

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

Upper Proterozoic to Paleozoic Snowshoe Group sericitic quartzite, phyllite, biotite schist (graphitic) is overlain by Paleozoic

Snowshoe Group Harvey Ridge succession black carbonaceous quartzite, slate, argillite, & siltstone. Lithologies trend WNW, regional faults trend NW and NE. Precious metal bearing minerals include: pyrite, pyrrhotite, chalcopyrite, sphalerite, galena in qtz-carb gangue trending N-NE

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 10209, 21523, 25192, 26659, 29259, 30435

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic 22.88		1038716, 1038717, 1038718	20,440.30
Electromagnetic 22.88		1038716, 1038717, 1038718	20,440.30
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
TOTAL COST:			40,880.60

**2015 GEOPHYSICAL SURVEY TECHNICAL REPORT
ON MTO TENURES 1038716, 1038717 and 1038718**

**CARIBOO GOLD PROJECT-
WEAVER CREEK, CARIBOO LAKE**

LIKELY, B.C.

**CARIBOO MINING DIVISION
NTS 093A 14/W
TRIM 093A.073, 093A.083, 093A.084
LOCATION: LAT. 52 48' 17" N LONG. 121 27' 42" W
UTM Zone 10 NAD 83 603500 E, 5851200 N**

**FOR
NOBLE METAL GROUP INCORPORATED,
1873 Spall Road,
Kelowna, BC
V1Y 4R2**

BY

**ANDRIS KIKAUKA, P. GEO.
4199 Highway 101.,
Powell R, B.C.
V8A 0C7**

January 20, 2016

TABLE OF CONTENTS

TABLE OF CONTENTS	1
LIST OF FIGURES	2
LIST OF TABLES	3
1 SUMMARY	4
2 INTRODUCTION	6
3 LOCATION	6
4 PROPERTY STATUS.....	8
5 ACCESS, CLIMATE, PHYSIOGRAPHY & INFRASTRUCTURE	11
6 PROPERTY HISTORY	12
7 GEOLOGICAL SETTING	16
8.0 GEOPHYSICAL FIELDWORK 2015	20
8.1 METHODS AND PROCEDURES	20
8.2 VLF-EM GEOPHYSICAL SURVEY.....	21
8.3 MAGNETOMETER GEOPHYSICAL SURVEY	26
9 DISCUSSION OF RESULTS	27
10 INTERPRETATION AND CONCLUSION	28
11 RECOMMENDATIONS	30
12 CERTIFICATE AND DATE	43
13 REFERENCES	44
14 ITEMIZED COST STATEMENT	46

LIST OF FIGURES

FIG. 1	CARIBOO GOLD PROJECT LOCATION.....	7
FIG. 2	CARIBOO GOLD PROJECT DETAIL & TOPOGRAPHY.....	10
FIG. 3	CARIBOO GOLD SOUTH, PROPERTY GEOLOGY AND INTERPRETED VLF-EM CONDUCTORS, MAGNETOMETER NEGATIVE ANOMALIES.....	18
FIG. 4	CARIBOO GOLD SOUTH, PROPERTY GSC AIRBORNE MAGNETOMETER COLOUR CONTOUR 1 ST DERIVATIVE INTERPRETED VLF-EM CONDUCTORS, MAGNETOMETER NEGATIVE ANOMALIES.....	23
FIG. 5	CARIBOO GOLD SOUTH, PROPERTY INTERPRETED VLF-EM CONDUCTORS, MAGNETOMETER ANOMALIES.....	24
FIG. 6	GRID OVER GOOGLE EARTH IMAGE.....	25
FIG. 7	VLF-EM CONTOURED IN PHASE VALUES.....	30
FIG. 8	VLF-EM COLOUR IN PHASE VALUES.....	31
FIG. 9	VLF-EM COLOUR CONTOURED IN PHASE VALUES.....	32
FIG. 10	VLF-EM IN PHASE VALUES.....	33
FIG. 11	VLF-EM FRASER FILTERED COLOUR IN PHASE VALUES.....	34
FIG. 12	VLF-EM FRASER FILTERED CONTOURED IN PHASE VALUES.....	35
FIG. 13	VLF-EM FRASER FILTERED COLOUR CONTOURED IN PHASE VALUES.....	36
FIG. 14	VLF-EM FRASER FILTER IN PHASE VALUES.....	37
FIG. 15	MAGNETOMETER COLOUR VALUES.....	38
FIG. 16	MAGNETOMETER CONTOURED VALUES.....	39
FIG. 17	MAGNETOMETER COLOUR CONTOUR VALUES.....	40
FIG. 18	MAGNETOMETER VALUES.....	41

LIST OF TABLES

TABLE 1	LIST OF MINERAL CLAIMS.....	9
TABLE 2	DIRECTIONS TO PROPERTY.....	11

APPENDIX "A"

VLF-EM AND MAGNETOMETER MAPS AND FIELD DATA

1 SUMMARY

The Cariboo Gold claim group is comprised of 29 contiguous claims covering an area of 6,981.41 hectares (17,244.1 acres), located approximately 420 kilometers northeast of Vancouver and 71 kilometers southeast of Quesnel in the Cariboo Mining Division of central British Columbia. This report supports Mineral Titles Online statement of work event 5573323 (Oct 6, 2015), describing geophysical fieldwork carried out by Noble Metal Group Incorporated in September-October, 2015.

The Cariboo area of British Columbia is notable for the gold rush that began in 1860, which has continued to some degree to the present day. Placer gold was discovered in Keithley, Snowshoe, Little Snowshoe and French Snowshoe Creeks around the same time. Prospecting for hard rock deposits started shortly after the Cariboo gold rush began with production in the Wells-Barkerville area beginning in 1933. Keithley Creek, on and adjacent to the Cariboo Gold property, was the location of one of the earliest placer production sources; achieving gold production before the earliest production in the Cariboo was recorded in 1874. Keithley Creek remains a productive source of placer gold to the present.

Much of the historical gold production from the area was minor and limited to mineralized quartz veins and placer gold. More recent and current production on a much larger scale was from gold bearing quartz veins and placer gold from buried river channels. The source of the placer gold reportedly is most likely from the gold vein deposits hosted in quartzites of the Upper Proterozoic- Paleozoic Snowshoe Group.

The Cariboo Gold claim group is underlain by Lower Snowshoe Group siltstones, phyllites, greywackes, quartzites, limestones and dirty (carbonaceous) quartzites, cut by quartz and quartz-carbonate-ankerite veins and veinlets. Gold-bearing quartz veins commonly occur within second order or younger faults marginal to trans-crustal breaks and associated with Cretaceous/Tertiary (?) age magmatism. Alteration products are commonly limonite, ankerite, calcite and chlorite. Disseminations, stringers and fracture coatings of pyrite are common.

Mineralization consists mainly of pyrite, with minor pyrrhotite, variable amounts of chalcopyrite, sphalerite, galena, tetrahedrite, and arsenopyrite. Minor amounts of ultramafic rocks in the order of 0.5-5 meters thick, are noted at the NMG 26 showing (Minfile 093A 224). Ultramafic rocks contain minor amounts of chromium mica (fuchsite or mariposite), elevated iron-chromium-vanadium-nickel, and are prospective for platinum group elements. Thrust faulting in the southwest portion of the Cariboo Gold claim group coincides with an airborne positive magnetometer response that may be underlain by ultramafic rocks (Fig 4).

Geophysics carried out on Cariboo Gold claims consisted of 22.875 line kilometers of VLF-EM and magnetometer surveying. The VLF-EM and magnetometer survey on the Cariboo Gold claim group resulted in a cluster of VLF-EM conductive zones (Fig 3, 4, & 5). VLF-EM conductors are located adjacent to an east-west trending, 600 meter by 1,400 meter magnetometer negative anomaly located between 5,581,200 N and 5,851, 800 N (1,100-1,300 meter elevation), and a 300 meter wide by 800 meter magnetometer negative anomaly located between 5,849,700 N and 5,850,600 N (1,060-1,150 meter elevation). VLF-EM conductive anomalies are situated at 1,100 -1,220 meters elevation mainly in areas adjacent to magnetometer lows. Interpretation of results suggests the VLF-EM conductive anomalies are mainly hosted in magnetite enriched mafic rock corresponding to mag highs, and to a lesser extent in areas of mag lows. The cluster of VLF-EM anomalies may be a response to sulphides associated with gold bearing quartz fissure veins, and/or replacement sulphide lenses, and may be valid targets for gold-bearing sulphide deposit types. It is possible that mafic magnetite enriched rocks, such as diabase dykes/sills occur on L 5,851,200 N from 602,825 E to 603,775 E. There are seven magnetometer readings >60,000 nT along this 925 m portion of L 5,851,200 N that represent a high priority exploration target (Fig 5). There is a well defined 1st derivative east-west trending airborne positive magnetic anomaly cut by multiple regional thrust faults located 2 kilometers west of the 2015 grid area (Fig 4). The L 5,851,200 N, 602,825 E to 603,775 E positive magnetometer anomaly is aligned with the well defined 1st derivative east-west trending airborne positive magnetic anomaly located southwest of Keithley Creek. It is unclear whether the J1 Minfile showing is related to positive magnetometer anomalies, but the area immediately northeast of J1 and the 2015 grid area is also a broad positive magnetometer anomaly (Fig 4).

An exploration program consisting of geological mapping, hand trenching, prospecting, soil surveys, and detailed magnetometer surveys, over the areas of VLF-EM conductors and magnetometer negative and positive anomalies is recommended.

2 INTRODUCTION

During September & October of 2015 Noble Metals Group Incorporated carried out geophysical fieldwork on the Cariboo Gold claims consisting of 22.875 line kilometers of VLF-EM and magnetometer surveys on MTO tenures 1038716, 1038717 and 1038718. The purpose of the VLF-EM magnetometer survey was to delineate potential mineral controlling structures that may host or provide geological mineral indicators of potentially economic gold-quartz veins or other types of potentially economic lode mineral occurrences.

3 LOCATION

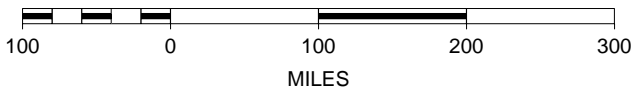
The Cariboo Gold Claim Group is located 420 kilometres northeast of Vancouver and 71 kilometres southeast of Quesnel within BCGS Maps 093A.073/.083/.084 of the Cariboo Mining Division.

Fig. 1 Cariboo Gold Project Location



Map Center: 54.4781N 124.7082W

SCALE 1 : 8,205,468



4 PROPERTY STATUS

The Cariboo Gold Claim Group is comprised of 29 contiguous titles totalling 6,981.41 hectares (17,244.1 acres).

The mineral claims are owned 100% by Noble Metal Group Incorporated, Free Miner Certificate 119819. The claim data is current and revised expiry date is subject to approval of fieldwork by the BC Geological Survey.

Particulars are reported as follows:

Table 1: List of Mineral Claims

Title No	Claim Name	Type	Sub Type	Map No	Issue Date	Good To Date	Area (ha)
313494	NMG #6	Mineral	Claim	093A073	1992/sep/24	2016/oct/14	25
313496	NMG #8	Mineral	Claim	093A073	1992/sep/24	2016/oct/14	25
320312	NMG #14	Mineral	Claim	093A073	1993/aug/07	2016/oct/14	25
320313	NMG #15	Mineral	Claim	093A073	1993/aug/07	2016/oct/14	25
320315	NMG #17	Mineral	Claim	093A083	1993/aug/07	2016/oct/14	25
320317	NMG #19	Mineral	Claim	093A083	1993/aug/07	2016/oct/14	25
320319	NMG #21	Mineral	Claim	093A083	1993/aug/07	2016/oct/14	25
349095	D.D. 4	Mineral	Claim	093A083	1996/jul/19	2016/oct/14	500
349096	D.D. 5	Mineral	Claim	093A083	1996/jul/19	2016/oct/14	500
410865	DOT 2	Mineral	Claim	093A083	2004/may/27	2016/oct/14	25
410872	DOT 3	Mineral	Claim	093A083	2004/may/27	2016/oct/14	25
410874	DOT 5	Mineral	Claim	093A083	2004/may/27	2016/oct/14	25
410876	DOT 7	Mineral	Claim	093A083	2004/may/27	2016/oct/14	25
1038716		Mineral	Claim	093A	2015/sep/21	2016/oct/14	410.476
1038717		Mineral	Claim	093A	2015/sep/21	2016/oct/14	175.954
1038718		Mineral	Claim	093A	2015/sep/21	2016/oct/14	469.061
1038719		Mineral	Claim	093A	2015/sep/21	2016/oct/14	391.059
1038720		Mineral	Claim	093A	2015/sep/21	2016/oct/14	469.044
1038721		Mineral	Claim	093A	2015/sep/21	2016/oct/14	488.368
1038722		Mineral	Claim	093A	2015/sep/21	2016/oct/14	136.825
1038723		Mineral	Claim	093A	2015/sep/21	2016/oct/14	429.851
1038726		Mineral	Claim	093A	2015/sep/21	2016/oct/14	507.906
1038729		Mineral	Claim	093A	2015/sep/21	2016/oct/14	214.927
1038730		Mineral	Claim	093A	2015/sep/21	2016/oct/14	195.547
1038731		Mineral	Claim	093A	2015/sep/21	2016/oct/14	136.824
1038732	CASCA S	Mineral	Claim	093A	2015/sep/21	2016/oct/14	664.788
1038734		Mineral	Claim	093A	2015/sep/21	2016/oct/14	332.04
1038735		Mineral	Claim	093A	2015/sep/21	2016/oct/14	312.548
1038736		Mineral	Claim	093A	2015/sep/21	2016/oct/14	371.195

Total Hectares

6981.41

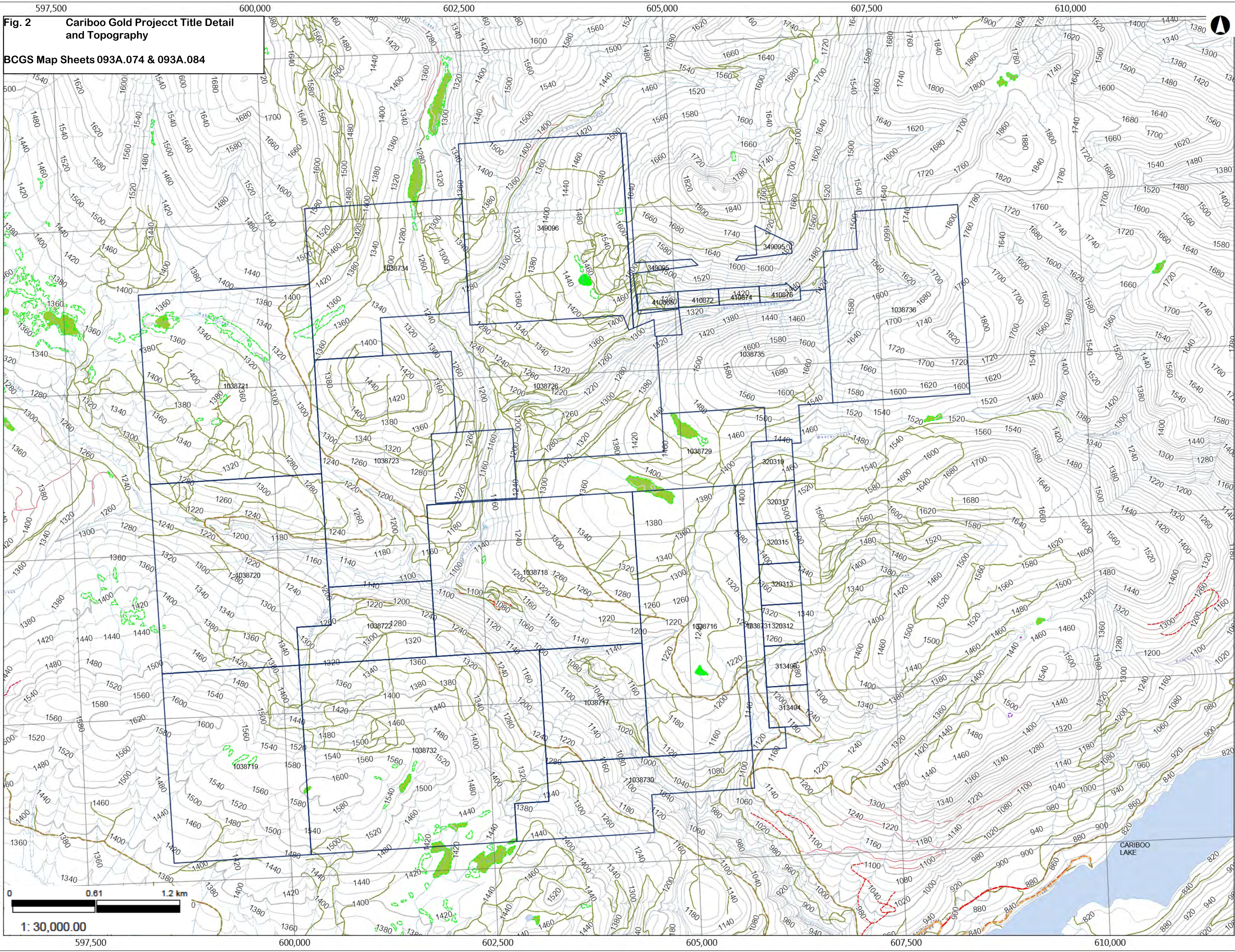


Fig. 2 Cariboo Gold Project Title Detail and Topography
BCGS Map Sheets 093A.074 & 093A.084

0 0.61 1.2 km
1: 30,000.00

CARIBOO LAKE

597,500 600,000 602,500 605,000 607,500 610,000
5,858,000 5,856,000 5,854,000 5,852,000 5,850,000 5,848,000

1038734 349096 349095 410874 410876 1038736 1038735 1038737 1038738 1038739 1038740 1038741 1038742 1038743 1038744 1038745 1038746 1038747 1038748 1038749 1038750 1038751 1038752 1038753 1038754 1038755 1038756 1038757 1038758 1038759 1038760 1038761 1038762 1038763 1038764 1038765 1038766 1038767 1038768 1038769 1038770 1038771 1038772 1038773 1038774 1038775 1038776 1038777 1038778 1038779 1038780 1038781 1038782 1038783 1038784 1038785 1038786 1038787 1038788 1038789 1038790 1038791 1038792 1038793 1038794 1038795 1038796 1038797 1038798 1038799 1038800 1038801 1038802 1038803 1038804 1038805 1038806 1038807 1038808 1038809 1038810 1038811 1038812 1038813 1038814 1038815 1038816 1038817 1038818 1038819 1038820 1038821 1038822 1038823 1038824 1038825 1038826 1038827 1038828 1038829 1038830 1038831 1038832 1038833 1038834 1038835 1038836 1038837 1038838 1038839 1038840 1038841 1038842 1038843 1038844 1038845 1038846 1038847 1038848 1038849 1038850 1038851 1038852 1038853 1038854 1038855 1038856 1038857 1038858 1038859 1038860 1038861 1038862 1038863 1038864 1038865 1038866 1038867 1038868 1038869 1038870 1038871 1038872 1038873 1038874 1038875 1038876 1038877 1038878 1038879 1038880 1038881 1038882 1038883 1038884 1038885 1038886 1038887 1038888 1038889 1038890 1038891 1038892 1038893 1038894 1038895 1038896 1038897 1038898 1038899 1038900 1038901 1038902 1038903 1038904 1038905 1038906 1038907 1038908 1038909 1038910 1038911 1038912 1038913 1038914 1038915 1038916 1038917 1038918 1038919 1038920 1038921 1038922 1038923 1038924 1038925 1038926 1038927 1038928 1038929 1038930 1038931 1038932 1038933 1038934 1038935 1038936 1038937 1038938 1038939 1038940 1038941 1038942 1038943 1038944 1038945 1038946 1038947 1038948 1038949 1038950 1038951 1038952 1038953 1038954 1038955 1038956 1038957 1038958 1038959 1038960 1038961 1038962 1038963 1038964 1038965 1038966 1038967 1038968 1038969 1038970 1038971 1038972 1038973 1038974 1038975 1038976 1038977 1038978 1038979 1038980 1038981 1038982 1038983 1038984 1038985 1038986 1038987 1038988 1038989 1038990 1038991 1038992 1038993 1038994 1038995 1038996 1038997 1038998 1038999 1039000

5 ACCESS, CLIMATE, PHYSIOGRAPHY & INFRASTRUCTURE

Access to the Property from Highway 97 South (Cariboo Highway) is via the paved Likely Road, then via the Keithley Creek and Yanks Peak all-weather, good gravel logging roads for a distance of 116 kilometres. A network of secondary and logging roads provide good access to many areas of the Property.

Table 2: Directions to Property

From	Direction	Via	To	kilometres
150 Mile House	North	Highway 97	Junction	1
Junction	North	Likely Road	Likely	83
Likely	Northeast	8400 FSR Road	Keithley Creek	25
Keithley Creek	North	Yanks Peak FSR	Property	7

The area receives significant precipitation throughout the year occurring from both rain and snow. Accumulations of snow may reach three or more meters during the winter months. Temperatures can vary from -40°C in winter to $+30^{\circ}\text{C}$ in summer.

Provisions and logistical support are available at Likely, 150 Mile House or at the larger centre of Williams Lake. Crew accommodation is provided at the on-site exploration camp.

The topography on the Cariboo Gold claim group is of moderate to steep forested slopes and second growth areas that have been previously logged. Relief is in the order of 875 meters with elevations ranging from 970 metres within a creek valley at the southeast boundary to 1,845 metres at the eastern boundary of the north and easternmost claim.

6 PROPERTY HISTORY

The Cariboo area of British Columbia is notable for the gold rush that began in 1860, which has continued to some degree to the present day. Placer gold was discovered in Keithley, Snowshoe, Little Snowshoe and French Snowshoe Creeks around the same time. Prospecting for hard rock deposits started shortly after the Cariboo gold rush began with production in the Wells-Barkerville area beginning in 1933.

The Cariboo Gold claim group includes five reported Minfile mineral occurrences (lode gold), two in the north half (Homestake & Sockett), and three in the southern portion of the claim group (CAC 3, NMG & J1), as well as three reported surficial placer occurrences that include Little Snowshoe to the north, and Weaver and Keithley Creek placer gold workings to the south. The history of the property as reported in Minfile occurrences contained within the Cariboo Gold claim group is as follows:

HOMESTAKE showing (Au quartz veins) MINFILE 093A 022

In 1954, B.E. Taylor, of Wells, held four claims comprising the Homestake group. The claims extend in single file down French Snowshoe Creek from Calgary Dam, which is about 1,067 metres upstream from the abandoned settlement of Snarlberg. The claims take in the camp buildings at Snarlberg. One showing consists of a quartz vein at about 1,432 metres elevation on the east bank of French Snowshoe Creek. The vein is southeast of the camp buildings and is reached from them by foot-trail. The Homestake Vein is described as a 0.66 meter wide quartz-pyrite vein trending ENE, dipping -75 degrees south cutting quartz sericite schist. The vein is exposed on both sides of the French Snowshoe Creek and is the same width on both sides.

SOCKETT showing (Au quartz veins) MINFILE 093A 023

In 1946, the Number One and Number Two claims were staked on the showing by J. Sockett, of Beaverdell. The claims were located on the south side of French Snowshoe Creek where the Yanks Peak quartzite crosses the creek. The quartzite strikes NW and dips -60 SW, is approximately 24 meters wide, and contains abundant quartz stringers 1-5 cm wide with variable amounts of pyrite, chalcopyrite, galena, sphalerite, and tetrahedrite.

CAC 3 showing (Polymetallic veins Ag-PbZn+/-Au) MINFILE 093A 220

The Cac 3 property is located approximately 21 kilometres north-northeast of the community of Likely. Access to the property is via an all-weather logging road to Keithley Creek from Likely. From the old settlement of Keithley Creek, on Cariboo Lake, a logging road on the north side of Keithley Creek leads to the property. A network of logging and skid roads provide good access to all areas of the property. A logging road also leads to the grid area from Cariboo Lake parallel to Keithley Creek on the south side. Bands, stringers, micro fractures, and replacement texture pyrite-pyrrhotite-chalcopyrite-arsenopyrite mineralization are hosted in variable thickness limestone, interbedded quartzite and phyllite, greywacke, volcanic flows/tuffs.

NMG showing (Tholeiitic intrusion-hosted Ni-Cu) MINFILE 093A 224

The NMG 26 showing is located east of Snowshoe Creek and south of French Snowshoe Creek, about 23 kilometres north-northeast of Likely. Access to the property is via the all-weather, two-wheel drive Keithley Creek logging road from Likely. At the old settlement of Keithley Creek, a logging road on the east side of Keithley Creek leads to the property.

Noble Metal Group Incorporated and its predecessor company Cascadia Mines and Resources Ltd. have been carrying out exploration for both placer and lode gold deposits since 1979. The work carried out on the hard rock claims includes grid preparation, soil geochemical surveying, magnetic and electromagnetic surveying, induced polarization (IP) surveying and diamond drilling. In 2000, a diamond drill program totalling 805.4 metres in two holes was carried out to test anomalous coincident IP and magnetic zones in areas of fault intersections. Minor amounts of ultramafic rocks in the order of 0.5-5 meters thick and containing minor amounts of chromium mica (fuchsite or mariposite) were located, including sulphides consisting of pyrrhotite and pyrite. Ultramafic rocks contained elevated iron-chromium-vanadium-nickel. The NMG area is prospective for platinum group elements.

J1 showing (Au quartz veins)

MINFILE093A225

During June 1996 an induced polarization and resistivity survey was carried out over part of the J1 and NMG claims on behalf of Noble Metal Group Incorporated. Several anomalous induced polarization zones were delineated, as well as numerous cross cutting faults. The 1996 diamond drill program consisted of 4 thin-wall BQ drill holes totalling 923 metres.

Historic surficial placer gold mining on the subject property dates back to 1874 and includes the following Minfile descriptions:

LITTLE SNOWSHOE past producer (Surficial placers) MINFILE 093A 005

Records indicate that by 1902 an 1158-meter long tunnel had been driven up Little Snowshoe Creek following the irregular bedrock. More recent activity has apparently been sluicing. The creek drains an area that is mainly underlain by metasedimentary rocks (quartzite) of the Upper Proterozoic-Paleozoic Snowshoe Group. During the period 1874 to 1940 recorded production from Little Snowshoe Creek was 469,330 grams of gold. Bulletin 28 states that "Production recorded from Snowshoe Creek probably was mined on what is now called Little Snowshoe Creek".

KEITHLEY CREEK past producer (Surficial placers) MINFILE 093A 004

Placer gold was first found near the mouth of Keithley Creek in July 1860, by W.R. (Doc) Keithley, who, in October of that year, recorded a claim on his discovery of placer gold on the Cariboo River (then called the North Fork of the Quesnel River) about 12 miles upstream from Quesnel Forks. In October 1860, thirty to forty men were working on Keithley Creek (it is recorded in a letter to the Colonial Secretary from P.H. Nind, the Gold Commissioner at Williams Lake, that from 100 to 150 men had been at work on the creek earlier in the autumn), and George W. Weaver, William Haseltine, and four partners, calling themselves the Slide Company, were mining on their discovery claims just above Sebastopol Point. The tremendous new discoveries of placer gold on Antler, Cunningham, Williams, Lightning, and other creeks in 1861 and 1862 drew men away from Keithley Creek. The early placer activity on Keithley Creek subsided rapidly and was overshadowed by the discoveries on other creeks to the north in the Barkerville area (see Bulletin 28 for a detailed history).

In 1987, Placer Lease 29 was put into production on a joint venture basis and approximately 7,600 cubic yards (5,811 cubic metres) of pay gravels were washed to produce 118 ounces (3,670 grams) of 800-900 fine raw gold (Assessment Report 21523). Noble Metal Group Inc. processed gravels in 1997 and 1998. In 1998, processing of 8,994 cubic yards yielded 18,018 grams of gold (GCNL #212 (Nov.4) 1998).

WEAVER CREEK past producer (Surficial placers)

MINFILE 093A 229

The first placer mining in the Quesnel mining district was along the Quesnel and Horsefly Rivers in 1859. In 1860, new discoveries were rapidly made - Keithley, Snowshoe, and Harvey creeks were discovered and a large amount of gold was produced before the earliest production was recorded in 1874. Fully one-third of the total production of the Quesnel district is estimated to have been mined between 1860 and 1873 (Bulletin 28).

Placer gold was historically mined in Weaver Creek, about 21 kilometres northeast of Likely, with intermittent production from 1921 to 1945 totalling 10,729 grams gold. The source of the placer gold is most likely the gold vein deposits hosted in quartzites of the Upper Proterozoic-Paleozoic Snowshoe Group.

7 GEOLOGICAL SETTING

The Cariboo mining district is divided into four tectonically and stratigraphically unique terrains.

The rocks of the four terrains range in age from Proterozoic to Jurassic and were deposited into an ocean environment. From east to west, the terrains are Cariboo (continental shelf clastics and carbonates) Barkerville (continental shelf and slope clastics, carbonates and volcanoclastics), Slide Mountain (rift floor, pillowed basalt and chert) and Quesnel (island arc volcanoclastics and fine grained clastics).

The Cariboo Terrane is of Precambrian and Permo Triassic age and is in fault contact with the western margin of Precambrian North American Crater along the Rocky Mountain Trench. It can be divided into two successions, one Cambrian and older and the other Ordovician to Permo-Triassic. The older succession consists of grit, limestone, sandstone, shale and is unconformably overlain by the younger succession of basinal shale, dolostone/dolomite, wacke, limestone, and basalt.

The Barkerville Terrane consists of Precambrian and Palaeozoic rocks ranging in composition from grit, quartzite, and black pelite to lesser limestone and volcanoclastic rocks. The contact between the Barkerville and Cariboo Terranes lies in the northwest trending, east dipping Pleasant Valley Thrust.

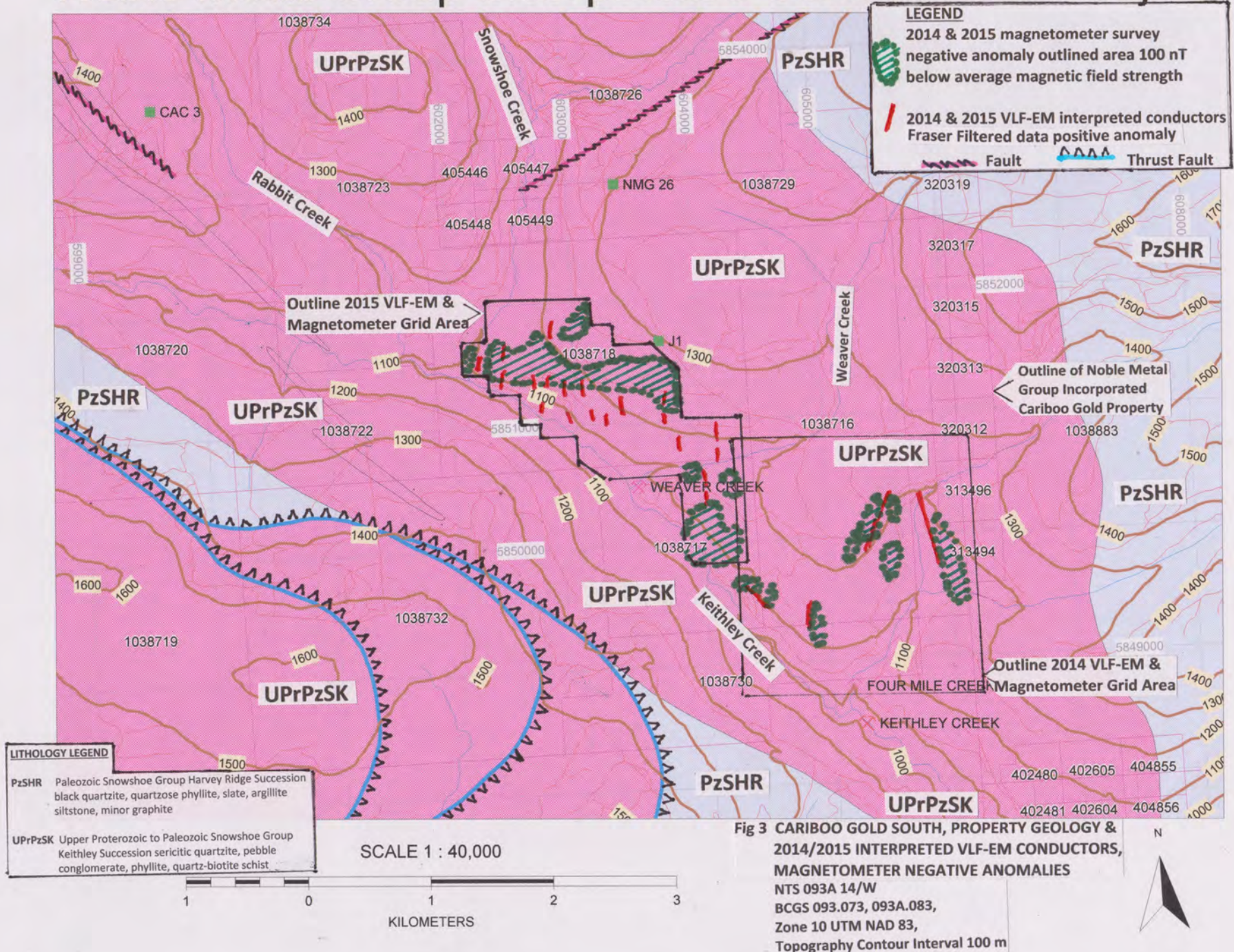
The Barkerville and Cariboo Terranes are over thrust (Pundata Thrust) by the Slide Mountain Terrane. The Slide Mountain Terrane consists of Mississippian to Permian basalt, in part pillowed, and chert pelitic sequences intruded by diorite, gabbro, and minor ultramafic rocks. The Quesnel Terrane lies west of the Slide Mountain Terrane and consists of Upper Triassic and Lower Jurassic black shale and volcanoclastic greenstone. The region has been metamorphosed to green schist facies metamorphism (2-8 Kbars pressure, 200-475⁰C temperature).

Based on data provided by BC Geological Survey, the lithologies present on the subject property include:

PzSHR Paleozoic Snowshoe Group Harvey Ridge Succession
black quartzite, quartzose phyllite, slate, argillite
siltstone, minor graphite

UPrPzSK Upper Proterozoic to Paleozoic Snowshoe Group
Keithley Succession sericitic quartzite, pebble
conglomerate, phyllite, quartz-biotite schist, graphite

Noble Metal Group Incorporated Cariboo Gold Project



The principal gold occurrences of the Cariboo District occur as gold-quartz veins within second order or younger faults marginal to trans crustal breaks and associated with Cretaceous/Tertiary age magmatism and hosted in Paleozoic (and older) sedimentary and volcanic rocks. Vein deposit form is typically tabular fissure veins in more competent host lithologies, and stock work, stringer, and veinlets deposit form in less competent lithologies. Gold-quartz veins occur as a system of en echelon veins. Bulk-tonnage styles of mineralization potentially can occur in broad areas of fracturing associated with quartz-sulphide veinlet networks.

Gold occurrences of the Cariboo District include Mosquito Creek, Island Mountain, Cariboo Gold Quartz, and Cariboo Hudson mines; and the B.C., Snowshoe and Midas veins. The gold ore at the Mosquito Creek, Island Mountain and Cariboo Gold Quartz mines in the Cariboo Gold Belt occurred as (1) auriferous pyrite in quartz veins and (2) strata bound, massive auriferous pyrite lenses, “replacement ore”. The location of the gold deposits correlates with elements of (1) stratigraphy, (2) structure and (3) metamorphism.

Stratigraphic Controls: Lode gold deposits are almost entirely confined to the Paleozoic section of the Snowshoe group. In the Keithley Creek-Snowshoe Creek area, the Paleozoic Harvey’s Ridge succession contains a high density of auriferous quartz veins.

Structural Controls: The auriferous replacement pyrite in limestone lenses are located in the hinge zones and less commonly along the limbs of regional and minor folds, Orientation of quartz veins is in part controlled by the regional fault and fracture pattern.

Metamorphic Controls: Lode gold concentrations are confined to rocks in the green schist facies of metamorphism (2-8 Kbars pressure, 200-475⁰C temperature). The auriferous quartz veins in the Yanks Peak area vary greatly in dimension, ranging in width from a few inches to tens of feet, and in length from a few tens of feet to greater than 1,000 feet. They can be grouped into three types based on their strike, northerly, north-easterly and easterly striking. The vein quartz is usually milky white in appearance and massive or slightly fractured with small crystal lined vugs. Ankerite (siderite) is a common gangue mineral. The quartz is sparsely to moderately

mineralized with sulphides. The highest gold values appear to be associated with the highest concentrations of pyrite. Gold assays are highly variable. Mineralization in the area is related to a hydrothermal system possibly associated with the ultramafic rocks. Faulting and tension cracks may act as conduits and contorted micro folding may be related to ultramafic sills and other igneous intrusions. The presence of gold, nickel, chromium and platinum group minerals are known to occur in the immediate vicinity of the property.

8.0 GEOPHYSICAL FIELDWORK 2015

8.1 METHODS AND PROCEDURES

From September 21, 2015 to October 5, 2015 Noble Metal Group Incorporated carried out 22.875 line kilometers of VLF-EM and magnetometer surveys over a contiguous grid area of approximately 210 hectares (518.7 acres) on MTO tenures 1038716, 1038717, & 1038718 which are part of the Cariboo Gold claim group. The centre of the work area is at 603,400E 5,851,000N (NAD 83 Zone 10N). This fieldwork supports Mineral Titles statement of work event number 5573323.

VLF-EM and magnetometer readings were taken at 25-metre intervals along the grid-lines with specific locations established by GPS readings. Each location was marked, with the grid station and the reading at the station, and recorded in a field book.

The VLF EM receiver used for the survey was a Geonics EM16 (serial #54) using Seattle (Jim Creek, Washington 24.8 KHz transmitting signal). This transmitting station was chosen based on preferential orientation to N and NE trending structures. A total of 915 in phase VLF-EM readings were taken at 25-meter intervals along 24 east-west oriented grid lines that range from 100-1,300 m in length (Appendix A).

The same grid stations as established in the VLF-EM Survey were used for the magnetometer survey. A total of 22.875 line kilometres was completed. A total of 915 magnetometer readings were taken at 25-meter intervals along 24 east-west oriented grid lines that range from 100-1,300 m in length. The magnetometer used was a Geotronics Proton Magnetometer (model G-816/826 Serial #6341). Diurnal variation was corrected by using repeated readings (looping technique) at a base point throughout the day. The Geotronics proton magnetometer measures absolute values in Nt of the vertical component of magnetic total field. The magnetometer field data is reported in Appendix A.

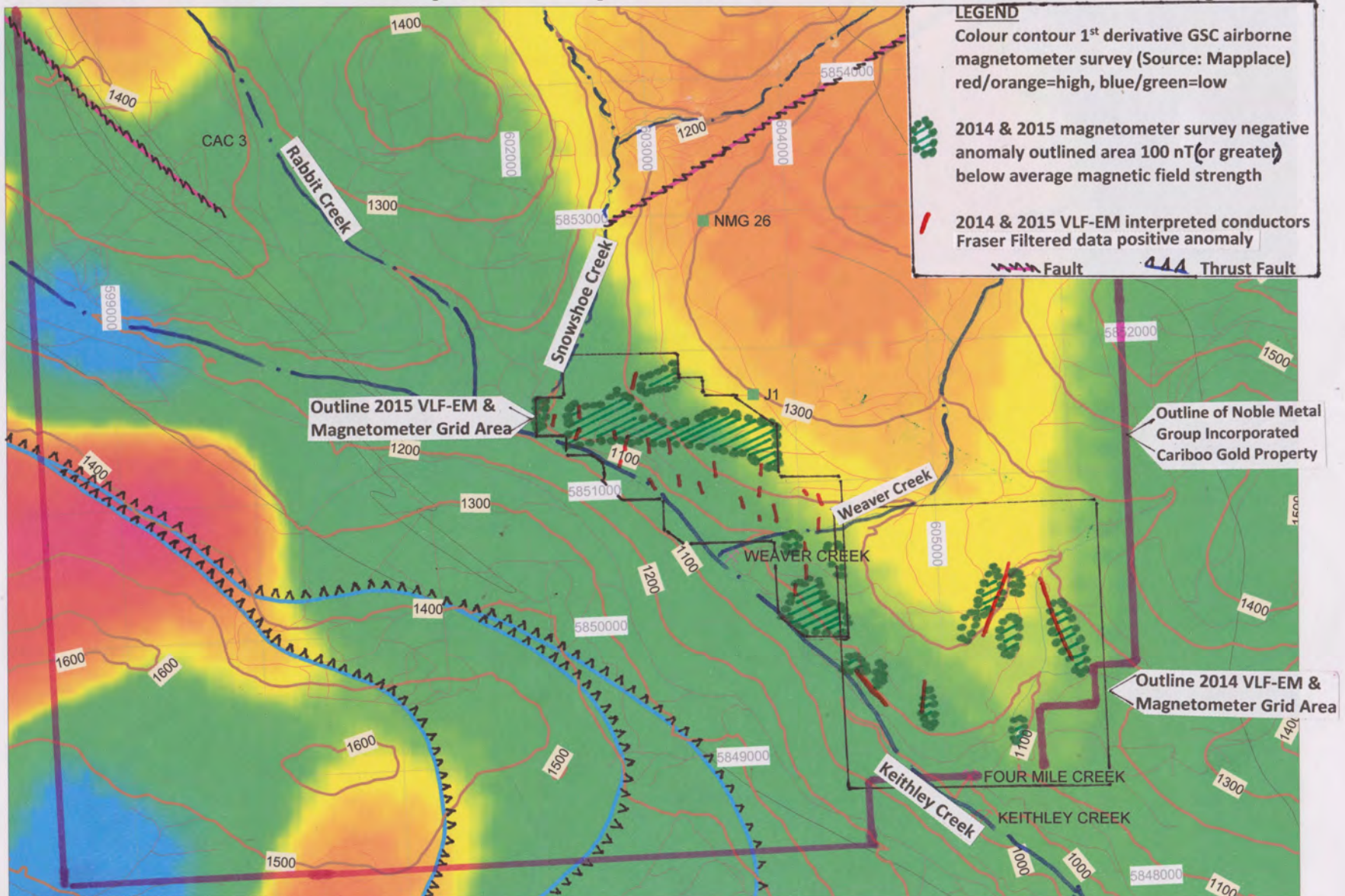
8.2 VLF-EM GEOPHYSICAL SURVEY

The purpose of the geophysical surveys was to locate any indicated mineral controlling structures that may be structural controls to a potential gold vein resource and which may manifest the source of the placer gold that occurs in the area. Correlative magnetometer anomalies may indicate alteration associated with the sulphide veins or magnetite associated with placer gold.

This primary field travels through any medium and if a conductive mass such as a sulphide body is present, the primary field induces a secondary alternating current in the conductor, and this current induces a secondary magnetic field. The receiver picks up the primary field and, if a conductor is present, the secondary field distorts the primary field. The fields are expressed as a vector, which has two components, the "in-phase" (or real) component and the "out-of-phase" (or quadrature) component.

The VLF-EM uses a frequency range from 13 to 30 kHz, whereas most EM instruments use frequencies ranging from a few hundred to a few thousand Hz. Because of its relatively high frequency, the VLF-EM can pick up bodies of a much lower conductivity and therefore is more susceptible to clay beds, electrolyte-filled fault or shear zones and porous horizons, graphite, carbonaceous sediments, lithological contacts as well as sulphide bodies of too low a conductivity for other EM methods to pick up. VLF-EM has additional uses in mapping structure and in picking up sulphide bodies of low conductivity for conventional EM methods and too small for induced polarization

Noble Metal Group Incorporated Cariboo Gold Project



BCGS 093.073, 093A.083,
Zone 10 UTM NAD 83,
Topography Contour Interval 100 m

SCALE 1 : 40,000

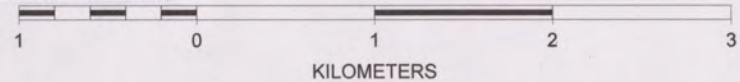
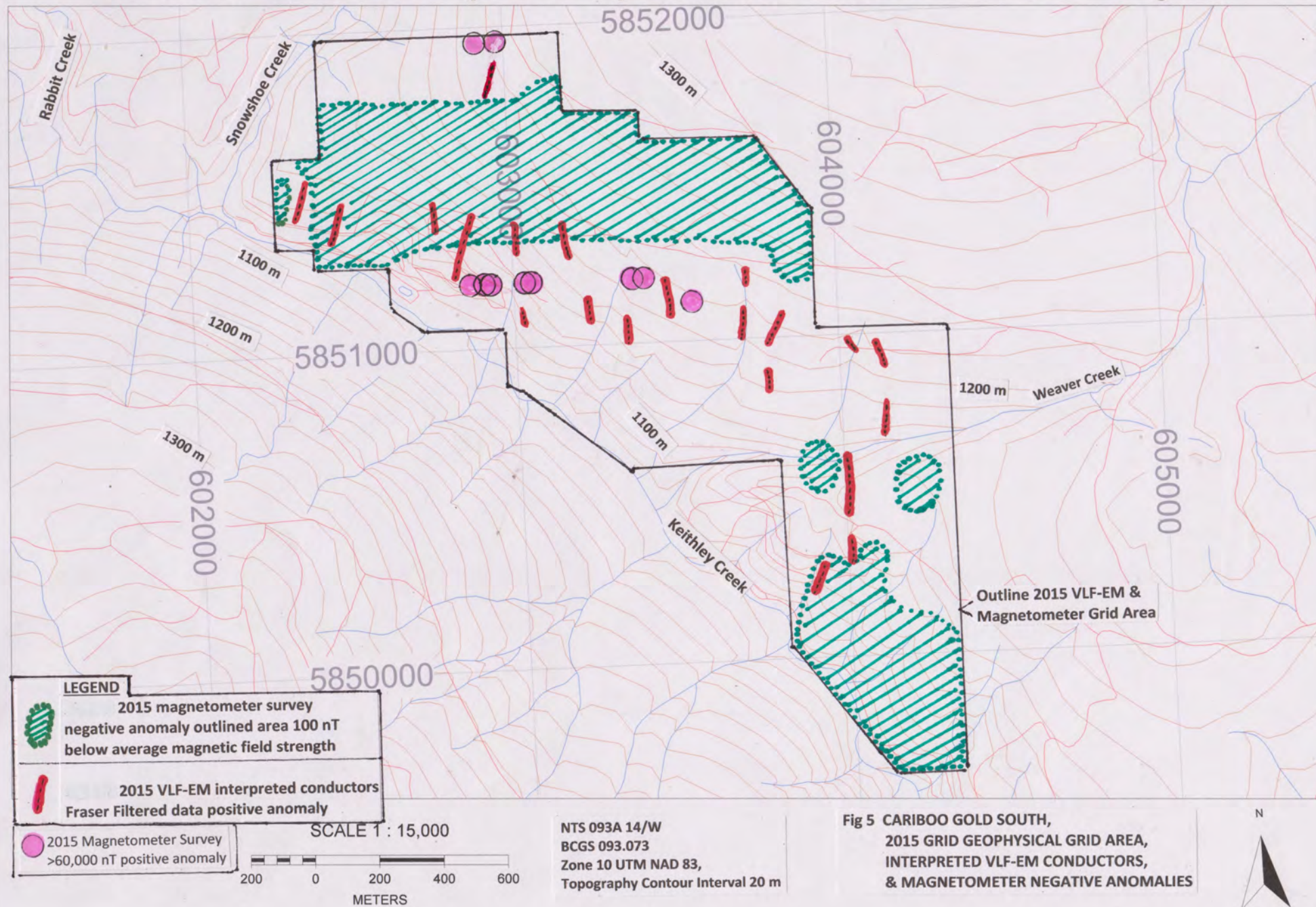
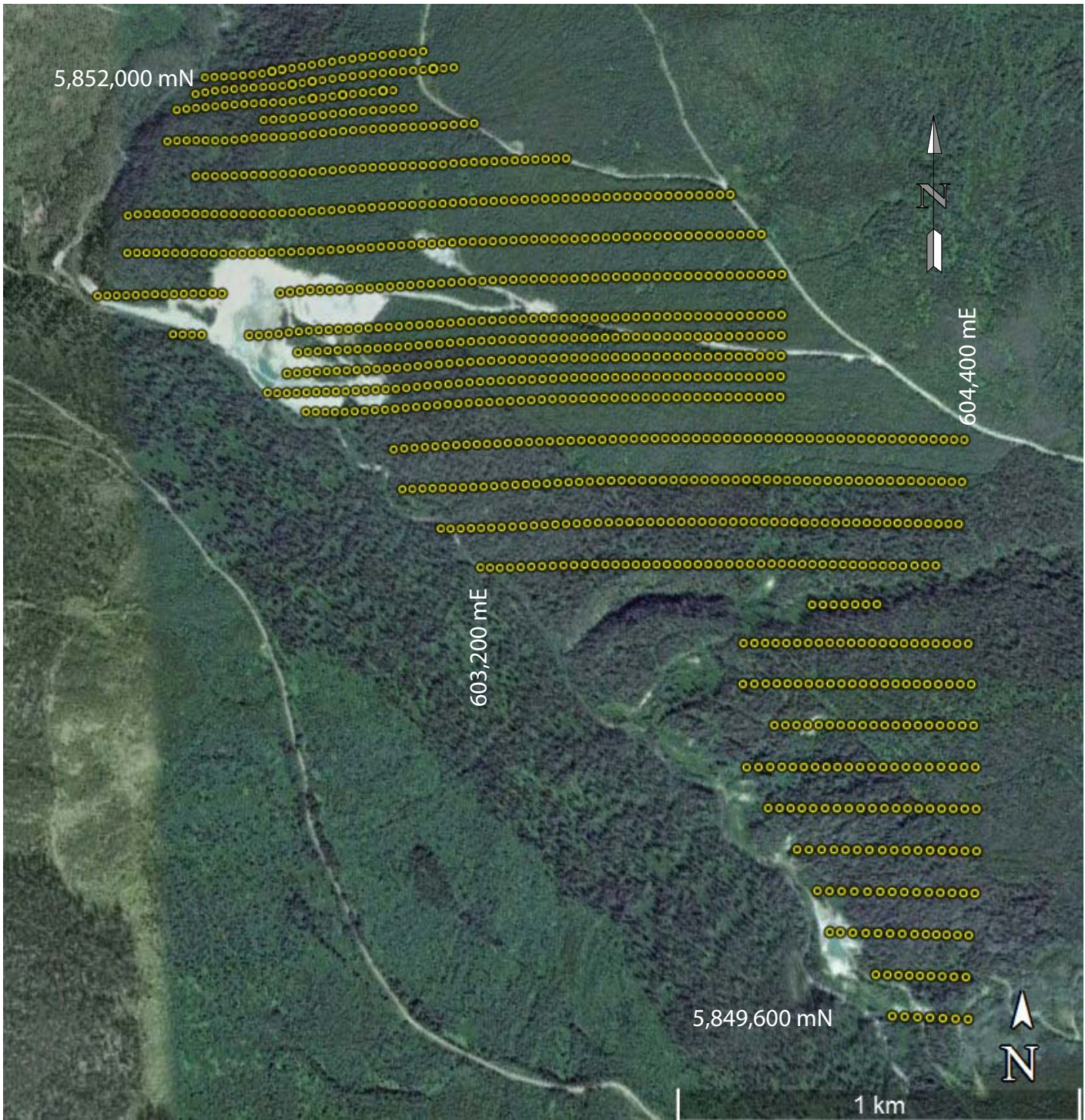


Fig 4 CARIBOO GOLD SOUTH, PROPERTY GSC AIRBORNE MAGNETOMETER COLOUR CONTOUR 1ST DERIVATIVE, 2014/2015 INTERPRETED VLF-EM CONDUCTORS, & MAGNETOMETER NEGATIVE ANOMALIES



Noble Metal Group Incorporated Cariboo Gold Project





Noble Metal Group Incorporated	
Keithley Creek Mineral Property	
Date: 12/21/2015	Survey Grid over Satellite Image
Author: gs	
Office:	
Drawing:	
Scale: as shown	
Fig. 6	

The field results were initially input to an Excel spreadsheet whereupon a MapInfo-Discover 211 program was utilized to create maps from the data results. The VLF-EM survey results were interpreted with the help of the Fraser Filter method of data modeling resulting in a multitude of localized anomalies. Magnetometer survey results were relied upon to correlate and interpret the results. The interpretation was based on the assumed premise that the magnetometer lows were the result of hydrothermally altered zones related to structures. Pertinent indicated structures were determined, and the structural pattern is related to dominantly north to northeast trending VLF-EM conductive zones related to the contact between an east-west trending magnetometer low and high contact that roughly traces L 5,851,200 N (Fig 3, 4, & 5).

8.3 MAGNETOMETER GEOPHYSICAL SURVEY

The magnetometer used was a Geotronics Proton Magnetometer (model G-816/826 Serial #6341). Diurnal variation was corrected by using repeated readings at a base point throughout the day. The Geotronics proton magnetometer measures absolute values in Nt of the vertical component of magnetic total field.

Only two commonly occurring minerals are strongly magnetic, magnetite and pyrrhotite. Magnetometer surveys are therefore used to detect the presence of these minerals in varying concentrations. Magnetic total field is also useful as a reconnaissance tool for mapping geologic lithology and structure since different rock types have different background amounts of magnetite and/or pyrrhotite.

It is possible that mafic magnetite enriched rocks such as diabase dykes/sills occur on L 5,851,200 N from 602,825 E to 603,775 E. There are seven values >60,000 nT along this 925m portion of L 5,851,200 N and two values >60,000 nT on L 5,851,950 N (north limit of survey), that represent a high priority exploration target (Fig 5).

There is a well defined 1st derivative east-west trending airborne positive magnetic anomaly cut by multiple regional thrust faults located 2 kilometers west of the 2015 grid area (Fig 4). The L 5,851,200 N, 602,825 E to 603,775 E positive magnetometer anomaly aligns with the well-defined 1st derivative east-west trending airborne positive magnetic anomaly located southwest of Keithley Creek. It is unclear whether the J1 Minfile showing is related to positive magnetometer anomalies, but the area immediately northeast of J1 and the 2015 grid area is also a broad positive magnetometer anomaly (Fig 4).

9 DISCUSSION OF RESULTS

The interpretation of the magnetometer and the VLF-EM survey results are based on the known geological information of the immediate area. Accordingly, the interpretation of the geophysical surveys is that the correlative magnetometer low and VLF-EM anomalies may indicate structures that may host potentially economic mineral veins in the central portion of the grid that contains numerous VLF-EM conductive zones. The presence of 600-metre wide magnetometer lows to the north and south of the main cluster of VLF-EM conductors suggests potential for extensive zones of alteration/disseminated mineralization.

Keithley Creek, on and adjacent to the Cariboo Gold mineral property, was the location of one of the earliest placer production sources in British Columbia, achieving gold production before the earliest production in the Cariboo was recorded in 1874. The source of the placer gold in the area is most likely the gold vein deposits hosted in Upper Proterozoic-Paleozoic Snowshoe Group. Generally, quartz veins are structurally controlled by regional N, NE, & E trending faults, fracture patterns and fault intersections. Keithley Creek remains a productive source of placer gold to the present.

Efforts to find bedrock sources of placer gold have been complicated by Quaternary glacial drift deposits. The Quaternary drift deposits effectively bury Tertiary paleochannel, paleogulch and paleofan gold-bearing gravel deposits as well as lode gold occurrences. Quaternary drift principally originates from a WSW to ENE ice flow direction (based on glacial ice striations and crag-and-tail structures). Efforts to locate sources of gold-bearing quartz lode and/or buried Tertiary placer gold should be mindful of glacial till dispersion caused by Quaternary age glacial ice flow.

10 INTERPRETATION AND CONCLUSION

It is concluded that VLF-EM conductors and magnetometer anomalous areas identified in the 2015 geophysical fieldwork cover geologically favourable areas for the occurrence of potentially economic gold-bearing quartz veins, polymetallic quartz veins, and/or porphyry type mineralization

The VLF-EM and magnetometer survey on the Cariboo Gold claim group resulted in a cluster of VLF-EM conductive zones (Fig 3, 4, & 5). VLF-EM conductors are located adjacent to an east-west trending 600 meters by 1,400 meters magnetometer negative anomaly located between 5,581,200 N and 5,851, 800 N (1,100-1,300 meter elevation), and a 300 meter wide by 800 meter magnetometer negative anomaly located between 5,849,700 N and 5,850,600 N (1,060-1,150 meter elevation). VLF-EM conductive anomalies are situated at 1,100 -1,220 meters elevation mainly in areas adjacent to magnetometer lows. Interpretation of results suggests the VLF-EM conductive anomalies are hosted in magnetite enriched underlying bedrock corresponding to mag highs, and to a lesser extent in areas of mag lows. The cluster of VLF-EM anomalies may be a response to sulphides associated with gold-bearing quartz veins, and are valid targets for gold bearing quartz-sulphide deposit types. It is possible that mafic magnetite enriched rocks (e.g. diabase dykes/sills) occur on L 5,851,200 N from 602,825 E to 603,775 E. There are seven values >60,000 nT along this 925 m section of L 5,851,200 N and the anomalies occur as three clusters, representing high priority exploration targets (Fig 5). There is a well defined 1st derivative east-west trending airborne magnetic anomaly cut by multiple regional thrust faults located 2 kilometers west of the 2015 grid area (Fig 4).

Areas of high magnetite content are prospective for chromium, nickel, vanadium, and platinum-group enriched mafic host rock deposit types. Magnetometer surveys carried out in 2014 & 2015 identified broad east-trending anomalies north of Weaver Creek, and isolated north-northeast-northwest trending anomalies south of Weaver Creek. The 2014 & 2015 VLF-EM survey results show numerous isolated north-northeast-northwest trending conductive zones north of Weaver Creek at 1160-1240 m elevation, and less frequent but increased strike length conductive zones south of Weaver Creek at 1100-1220 m elevation (Fig 3, 4), suggesting the geophysical survey area is underlain by complex geology resulting in variable geophysical results north and south of Weaver Creek.

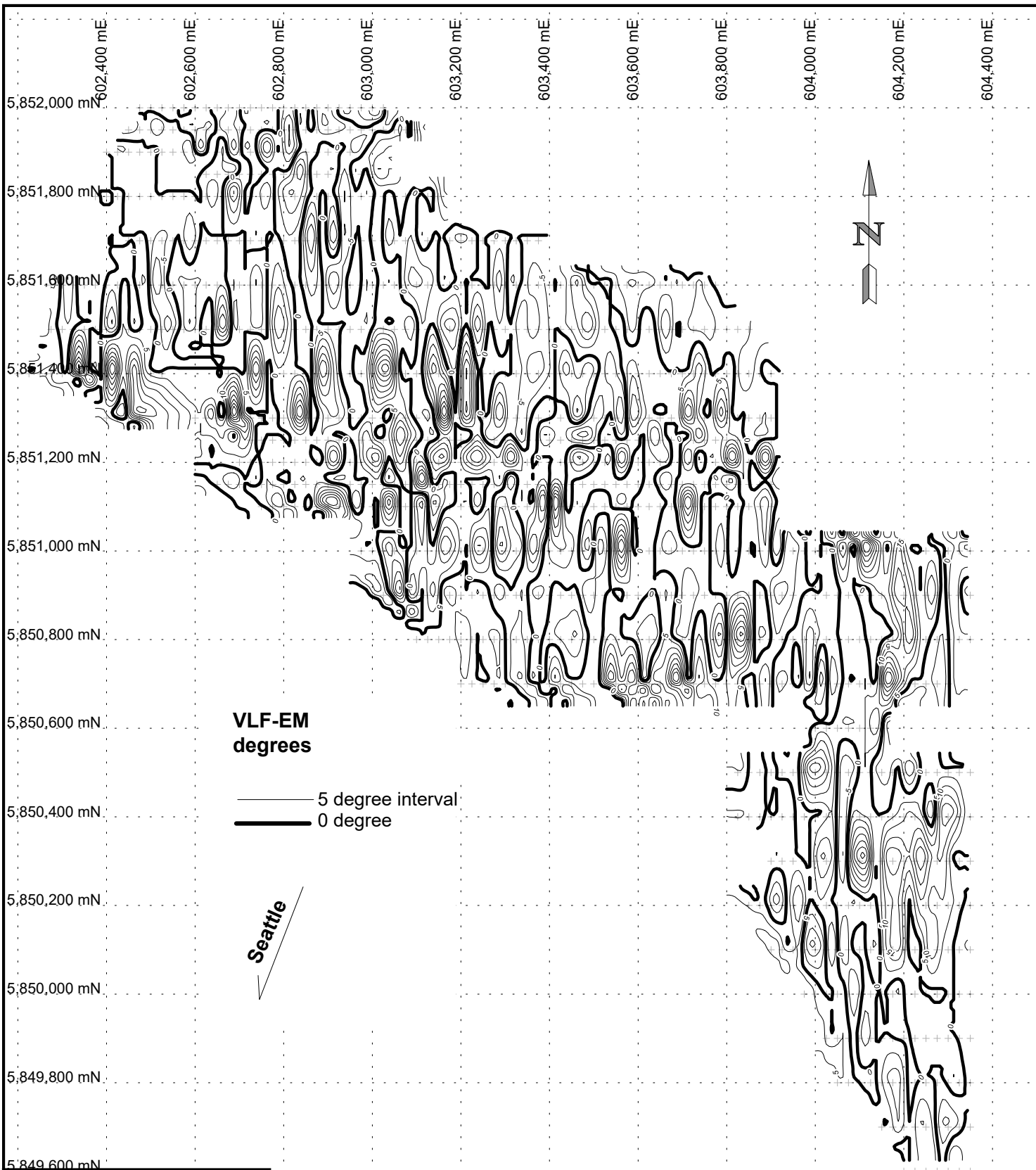
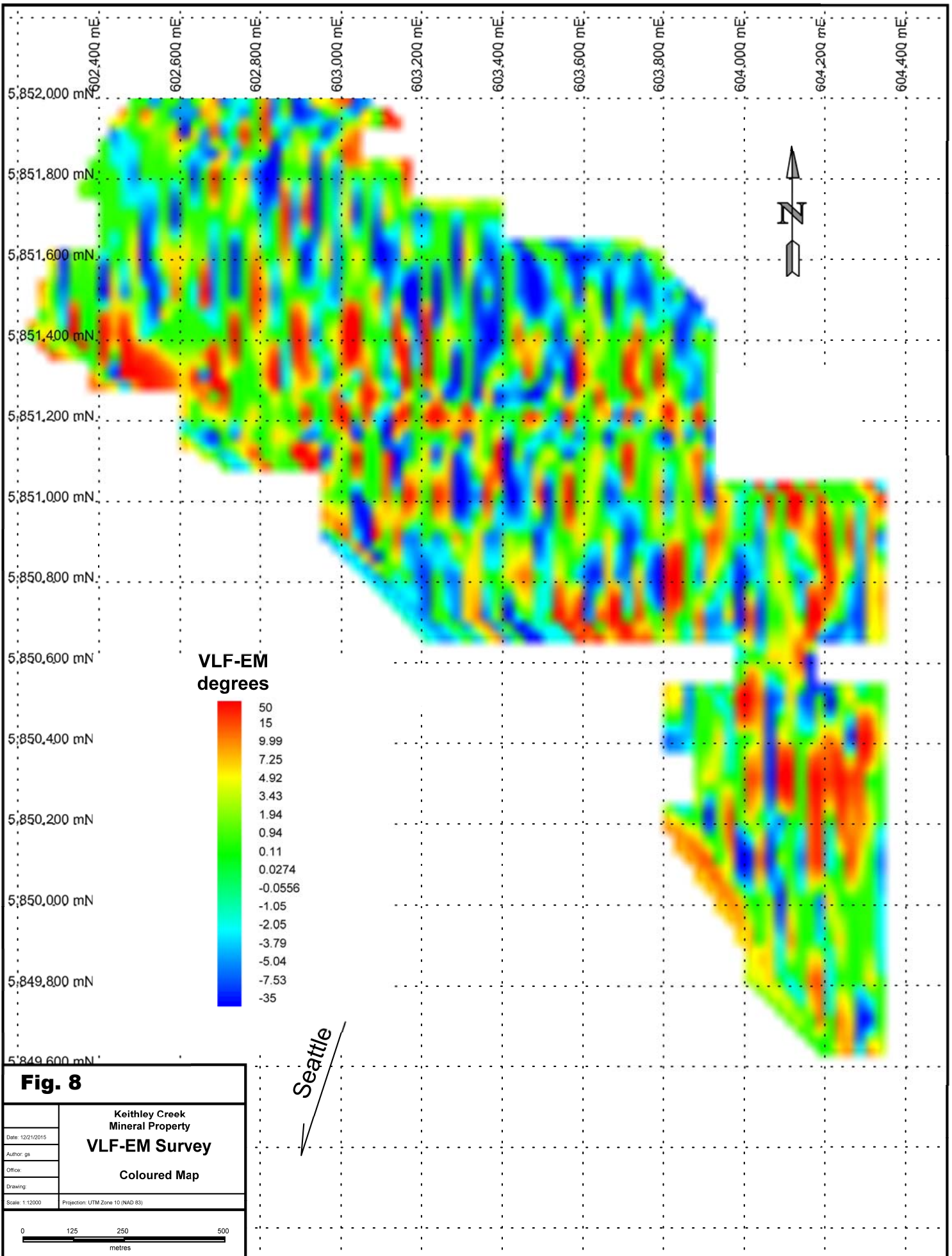
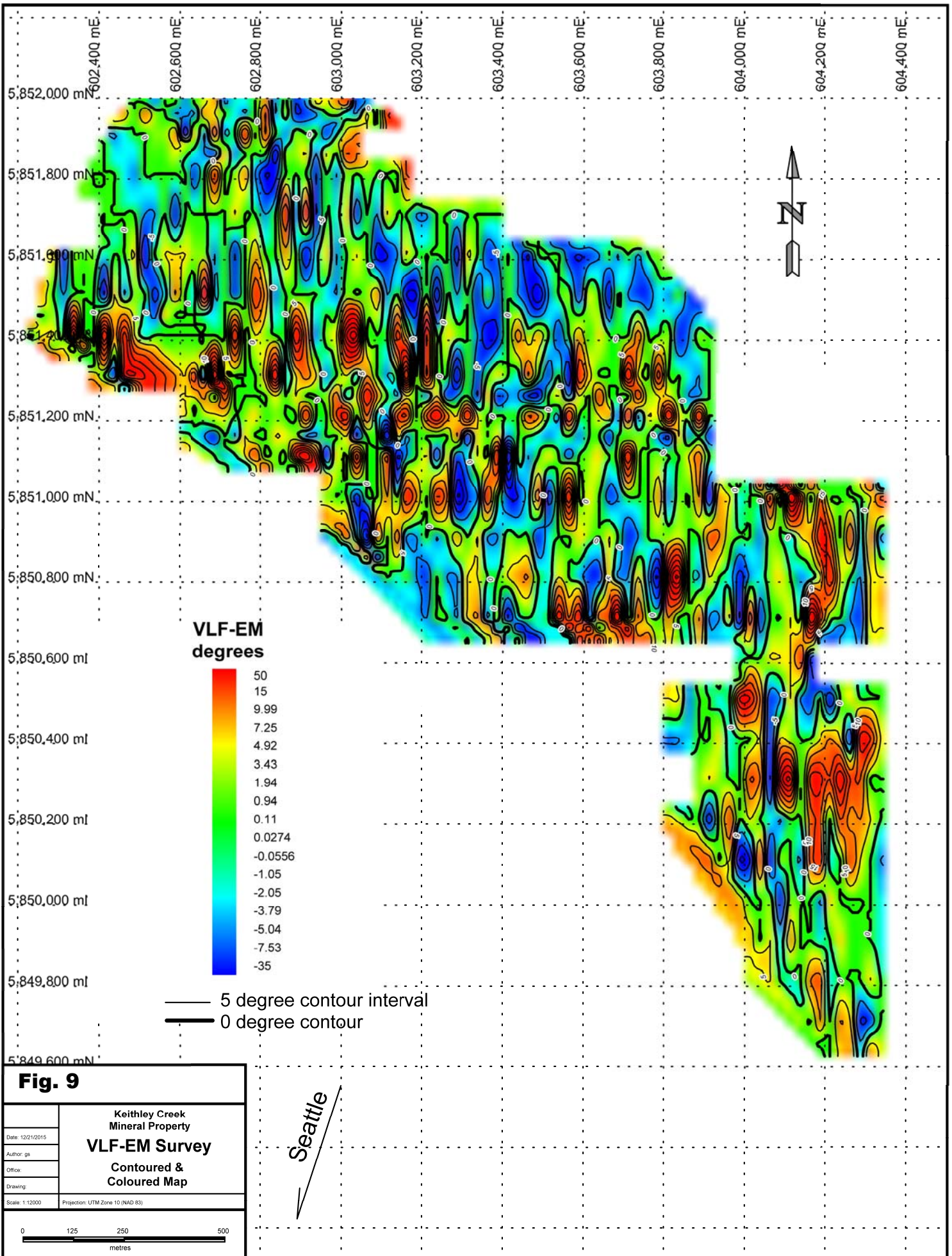


Fig. 7

Keithley Creek Mineral Property	
Date: 12/21/2015	VLF-EM Survey
Author: gs	Contoured Data
Office:	
Drawing:	
Scale: 1:12000	Projection: UTM Zone 10 (NAD 83)

0 125 250 500
metres





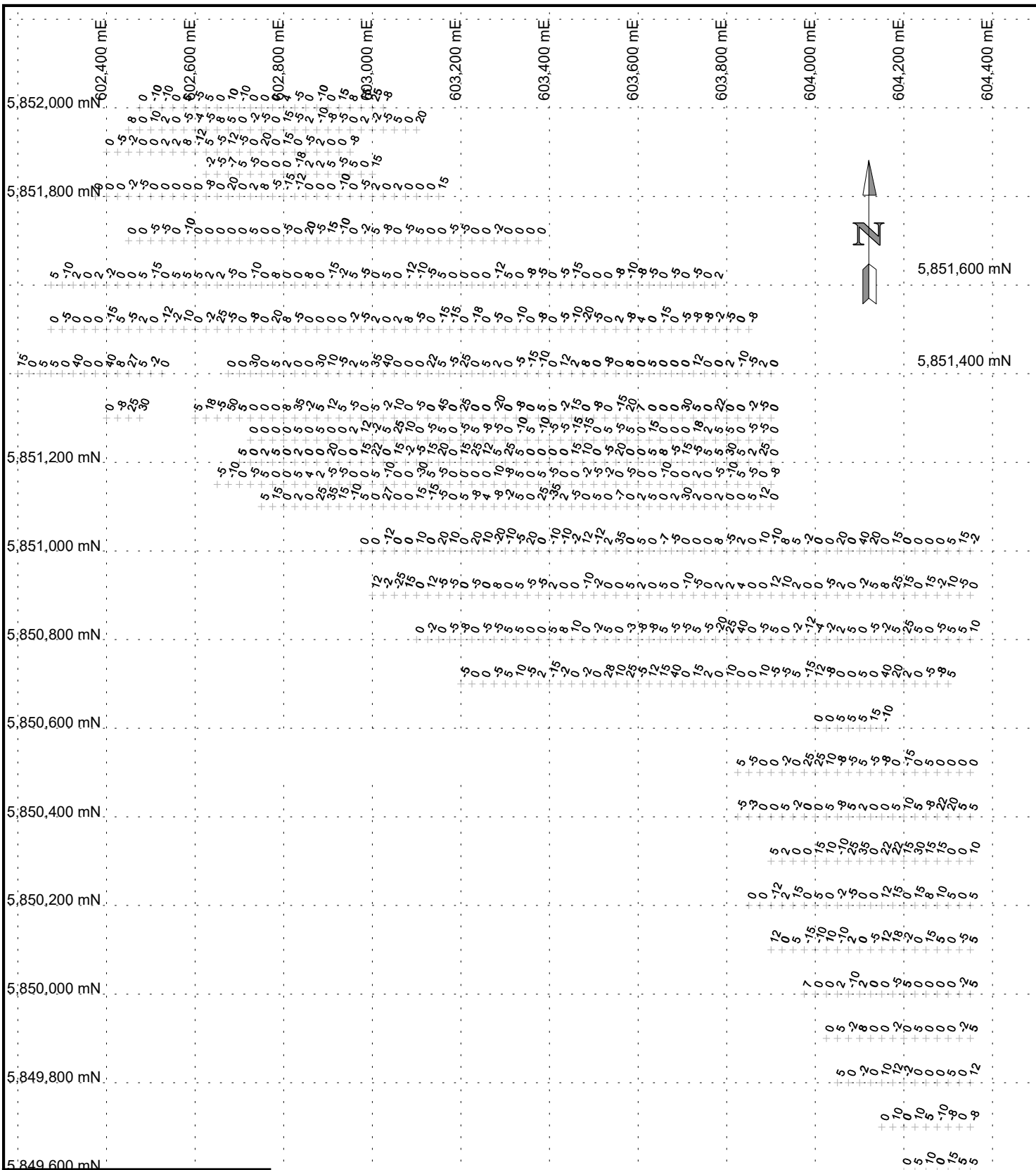


Fig. 10

Keithley Creek Mineral Property	
Date: 12/21/2015	VLF-EM Survey
Author: gs	Values
Office:	(degrees)
Drawing:	
Scale: 1:12000	Projection: UTM Zone 10 (NAD 83)

0 125 250 500
metres

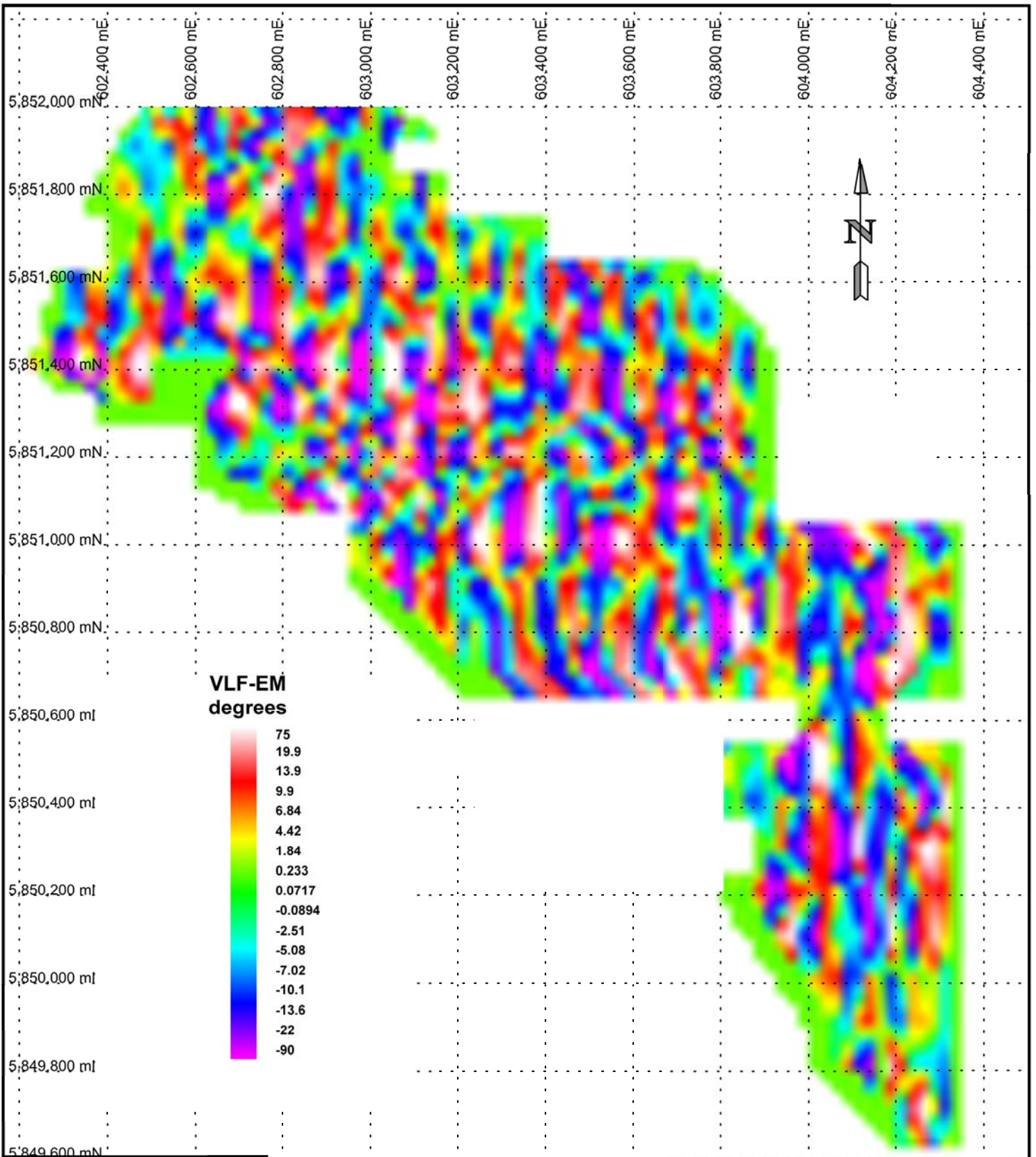


Fig. 11

Keithley Creek Mineral Property VLF-EM Survey Fraser Filtered Data Coloured Map	
Date: 12/21/2015	
Author: gs	
Office:	
Drawing:	
Scale: 1:12000	Projection: UTM Zone 10 (NAD 83)

0 125 250 500 metres

Seattle

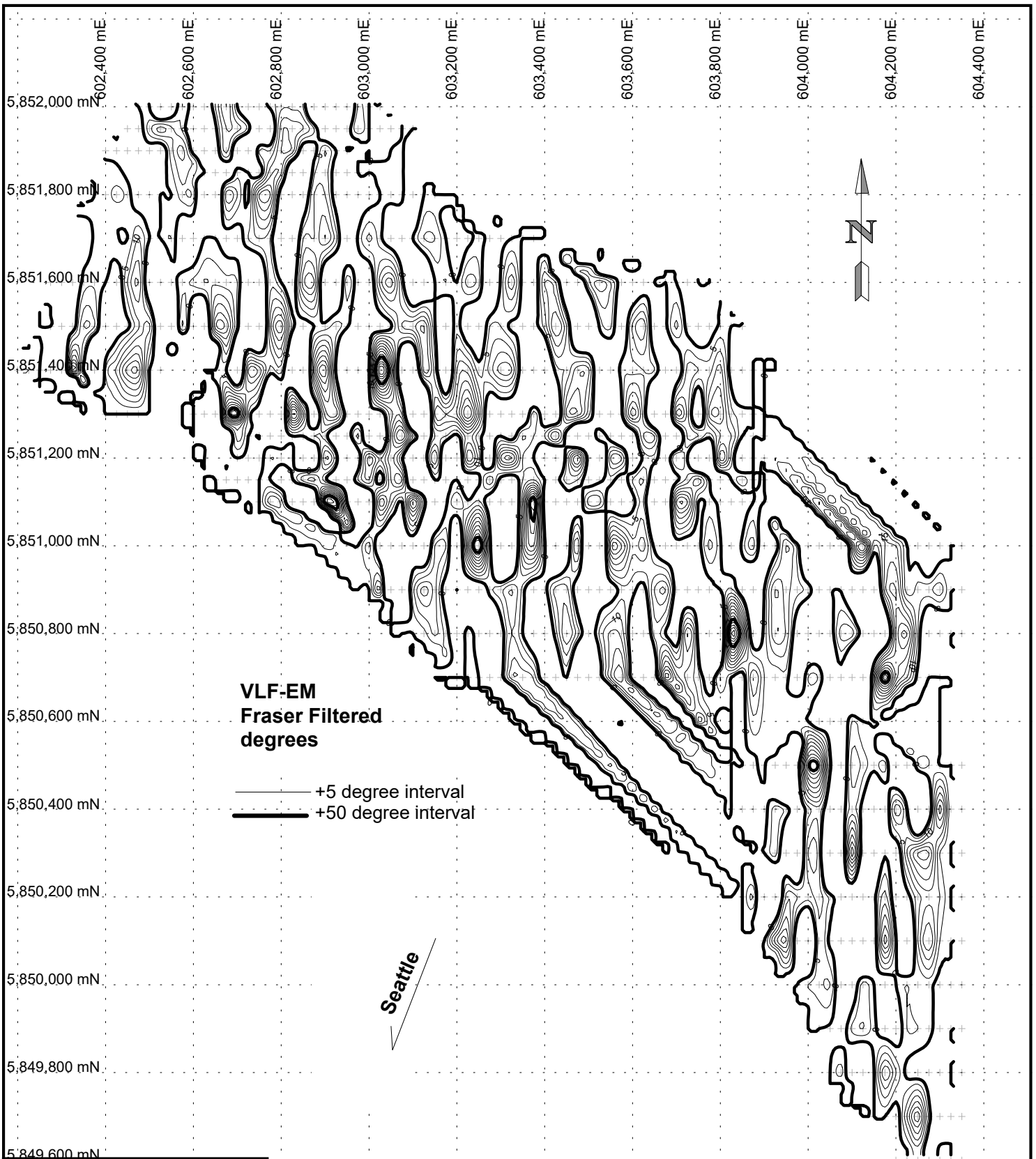


Fig. 12

Keithley Creek Mineral Property	
Date: 12/21/2015	VLF-EM Survey (Fraser Filtered Data) Contoured Data
Author: gs	
Office:	
Drawing:	
Scale: 1:12000	Projection: UTM Zone 10 (NAD 83)

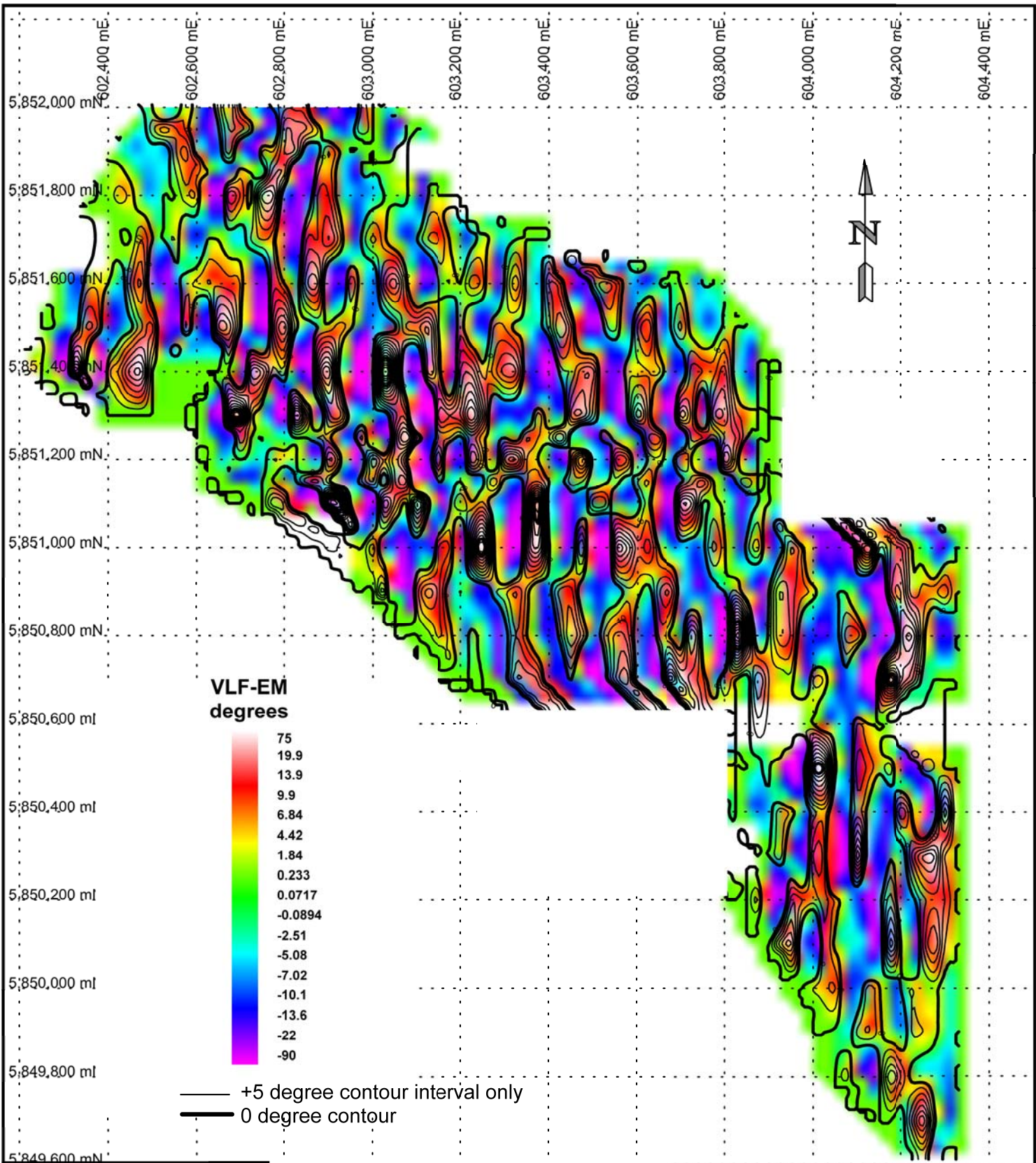


Fig. 13

Keithley Creek Mineral Property	
VLF-EM Survey	
Fraser Filtered Data	
Contoured & Coloured Map	
Date: 12/21/2015	
Author: gs	
Office:	
Drawing:	
Scale: 1:12000	Projection: UTM Zone 10 (NAD 83)

0 125 250 500 metres

Seattle

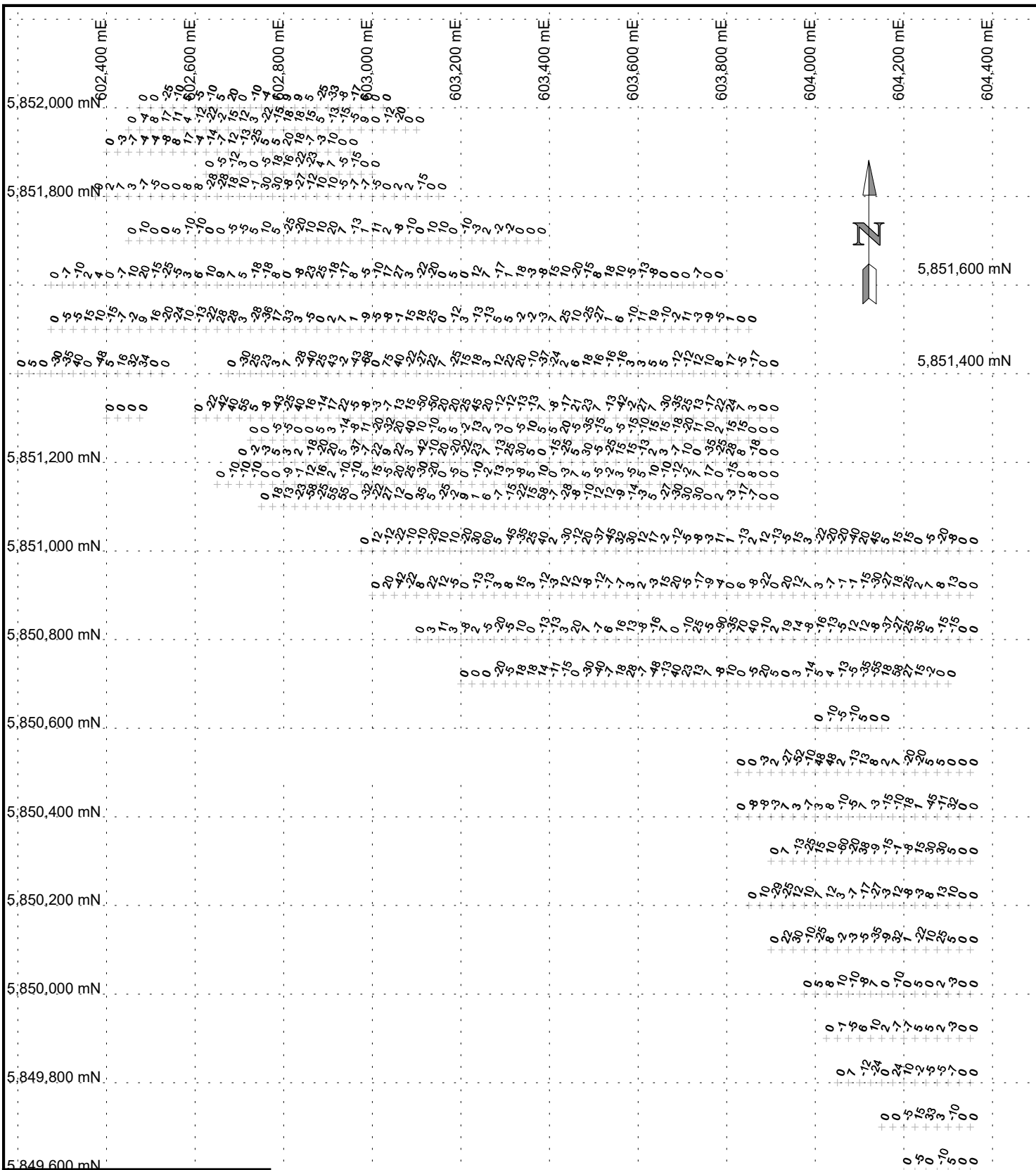


Fig. 14

Keithley Creek Mineral Property	
Date: 12/21/2015	VLF-EM Survey Fraser Filtered Data Values (degrees)
Author: gs	
Office:	
Drawing:	
Scale: 1:12000	Projection: UTM Zone 10 (NAD 83)

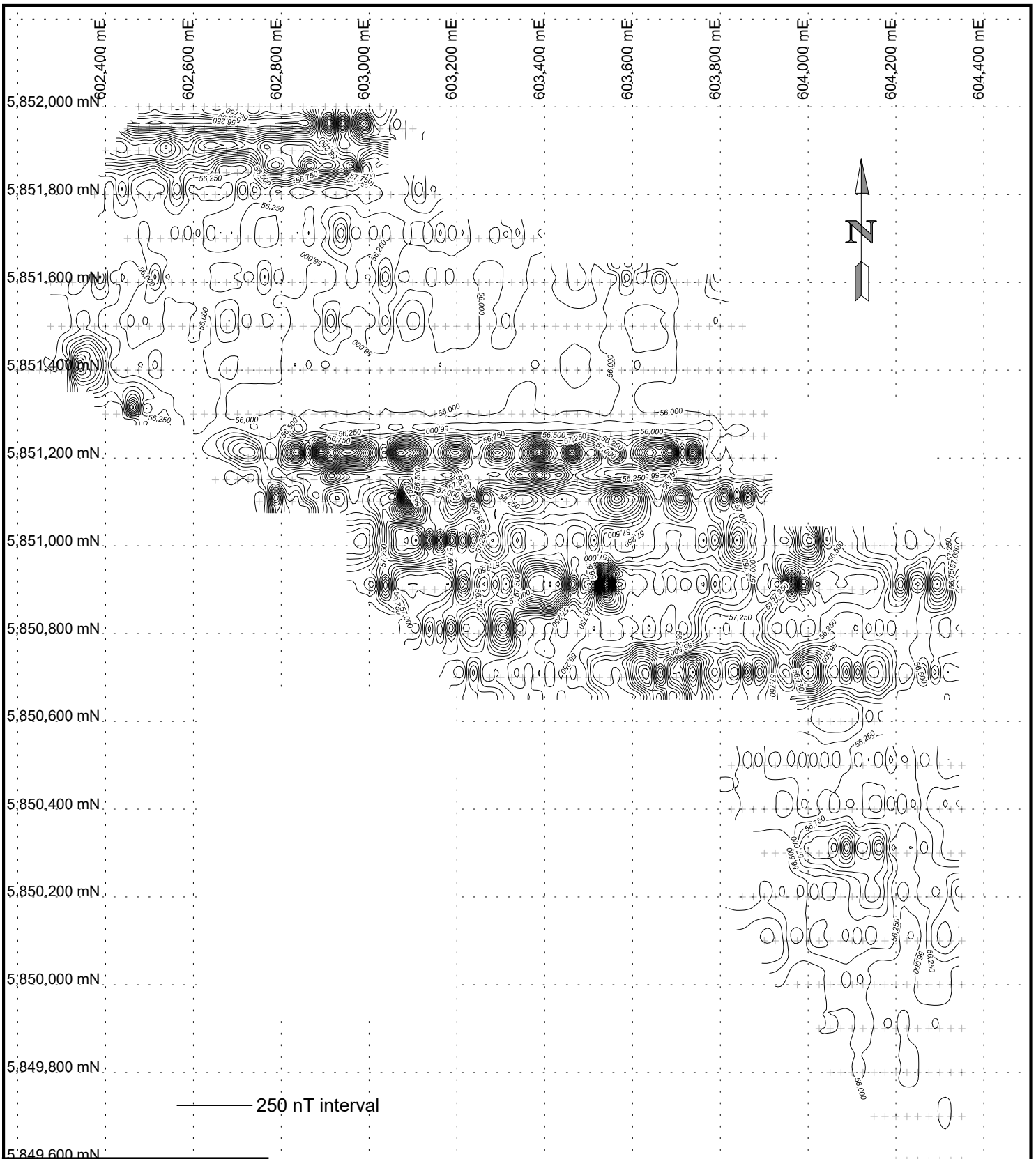
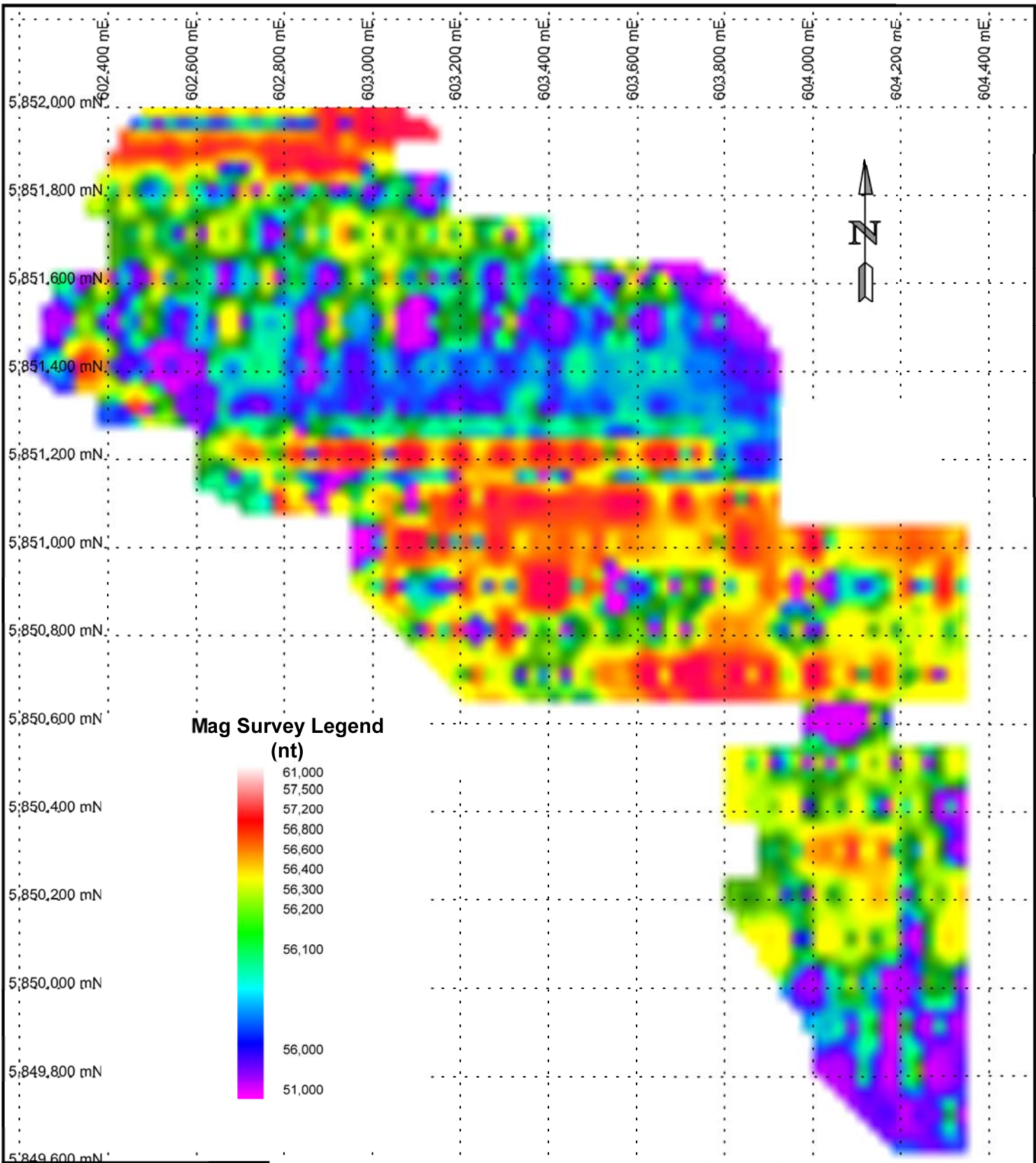


Fig. 15

Keithley Creek Mineral Property	
Magnetic Survey	
Contoured Data	
Date: 12/21/2015	
Author: gs	
Office:	
Drawing:	
Scale: 1:12500	Projection: UTM Zone 10 (NAD 83)

0 125 250 500
metres



**Mag Survey Legend
(nt)**

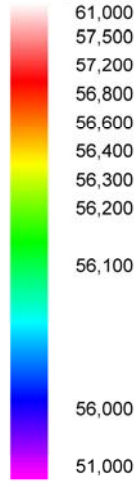


Fig. 16

Keithley Creek Mineral Property	
Magnetic Survey	
Coloured Map	
Date: 12/21/2015	
Author: gs	
Office:	
Drawing:	
Scale: 1:12000	Projection: UTM Zone 10 (NAD 83)

0 125 250 500
metres

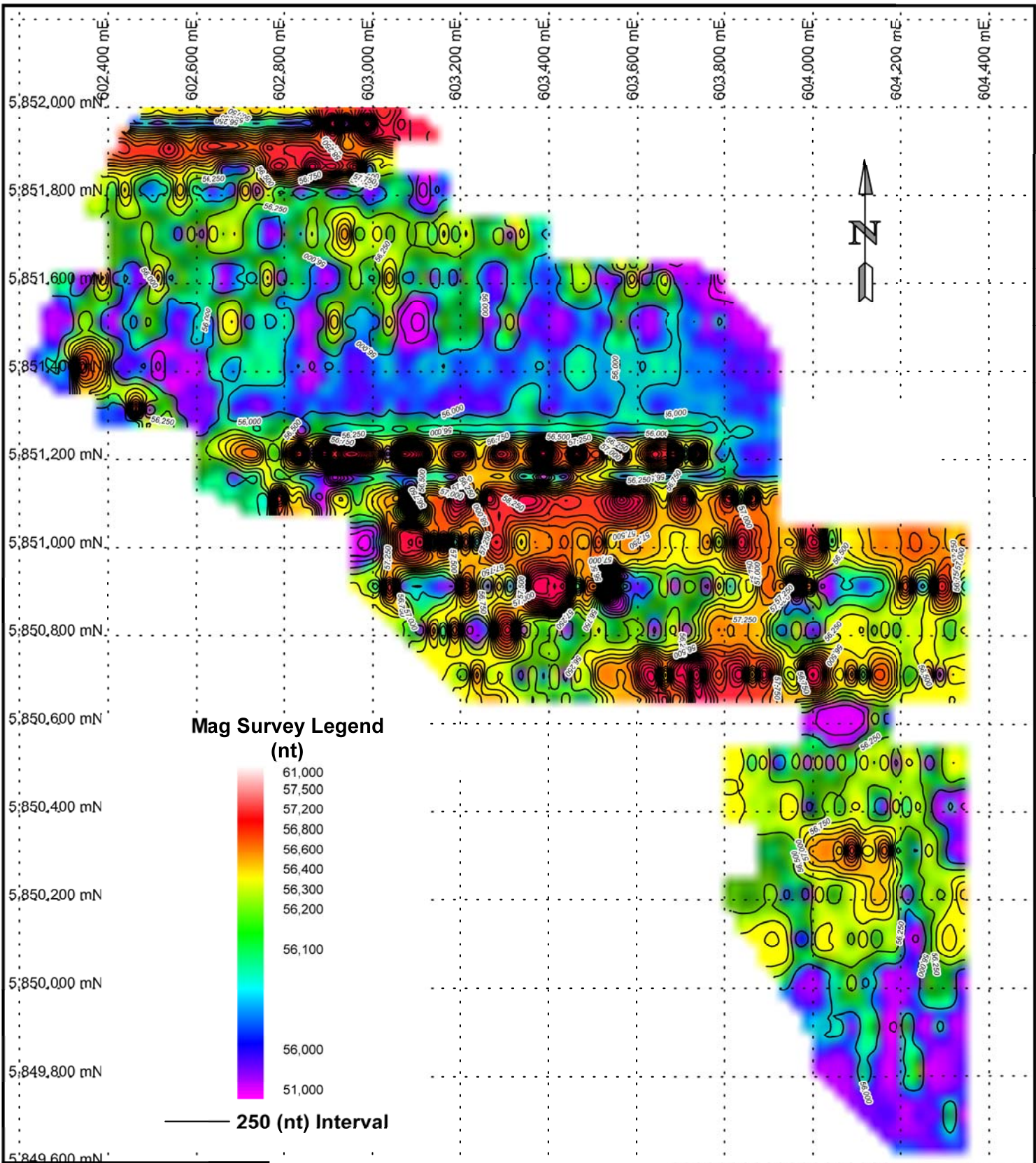


Fig. 17

Keithley Creek Mineral Property	
Date: 12/21/2015	Magnetic Survey Contours & Coloured Map
Author: gs	
Office:	
Drawing:	
Scale: 1:12000	Projection: UTM Zone 10 (NAD 83)

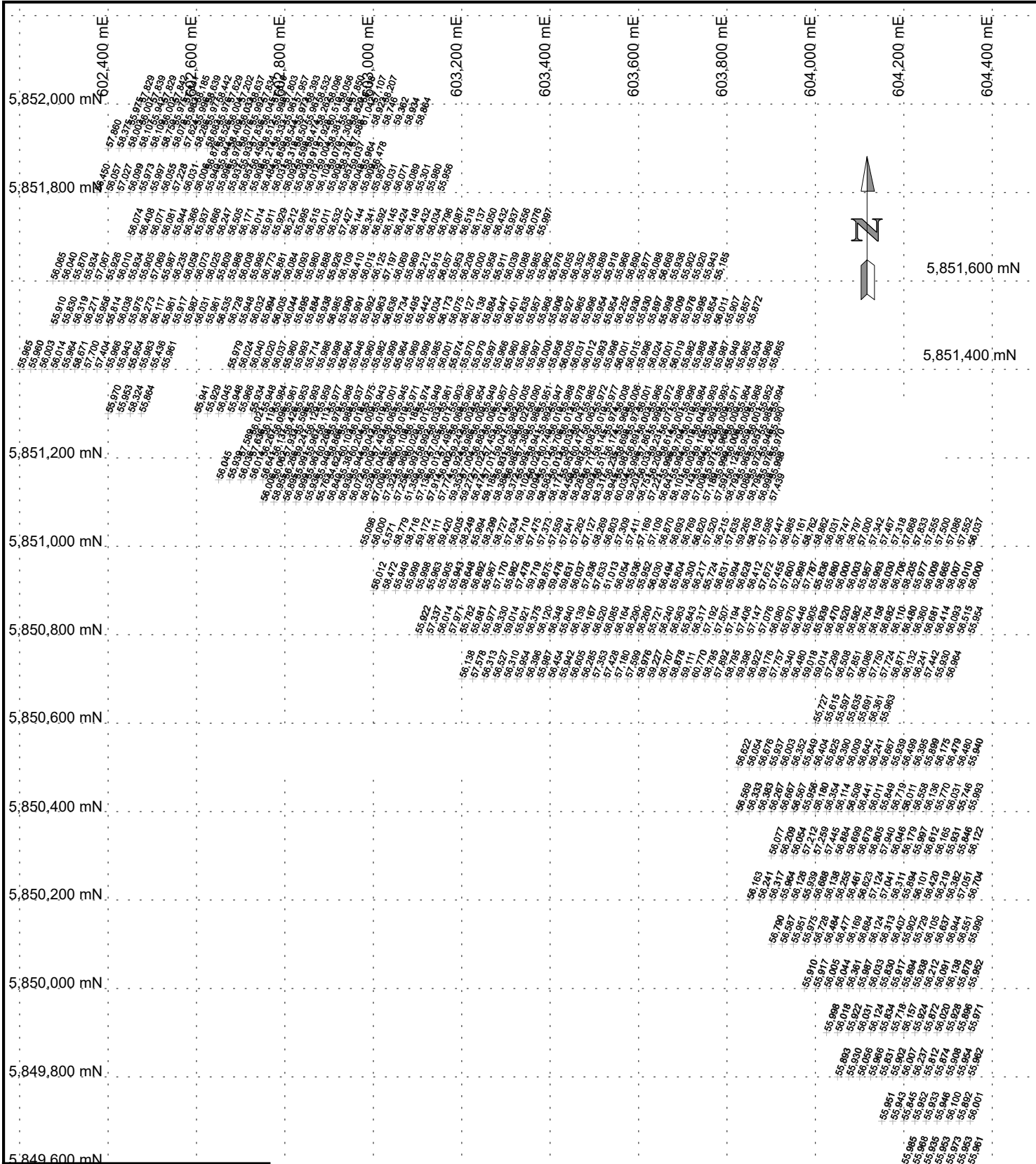


Fig. 18

Keithley Creek Mineral Property Magnetic Survey Values (nT)	
Date: 12/21/2015	
Author: gs	
Office:	
Drawing:	
Scale: 1:12000	Projection: UTM Zone 10 (NAD 83)

11 RECOMMENDATIONS

In addition to the magnetometer and VLF-EM anomalies identified in 2014 geophysical survey carried out to the southeast of 2015 grid (Fig 3, 4), a follow-up exploration program consisting of geological mapping, soil surveys, and detailed magnetometer surveys is proposed in order to assess 2015 VLF-EM conductive zones and magnetometer negative and positive anomalies. Hand trenching, prospecting geophysical anomalies and geochemical rock and soil sampling is recommended.

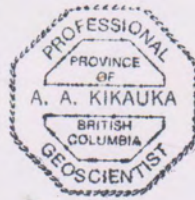
12 CERTIFICATE AND DATE

I, Andris Kikauka, of 4199 Highway 101., Powell R, B.C. V8A 0C7 am a self employed professional geoscientist. I hereby certify that:

1. I am a graduate of Brock University, St. Catharines, Ont., with an Honours Bachelor of Science Degree in Geological Sciences, 1980.
2. I am a Fellow in good standing with the Geological Association of Canada.
3. I am registered in the Province of British Columbia as a Professional Geoscientist.
4. I have practiced my profession for thirty years in precious and base metal exploration in the Cordillera of Western Canada, U.S.A., Mexico, Central America, and South America, as well as for three years in uranium exploration in the Canadian Shield.
5. The information, opinions, and recommendations in this report are based on fieldwork carried out by Noble Metal Group Incorporated on the subject property in September-October, 2015. This report is also based on historic reports by various authors that are referenced, and current fieldwork carried out by Noble Metal Group Incorporated. The writer has not been on the property.
6. I am employed as an independent consultant. The writer has been involved in interpretation of geophysical mineral exploration data on numerous base and precious metal deposits in Western Canada.
7. I am not aware of any material fact or material change with respect to the subject matter of this Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading. The recommendations are intended as a guide and are not to be used for the purpose of public financing.

Andris Kikauka, P. Geo.,

A. Kikauka



Dated January 20, 2016 at Powell River, B.C.

13 REFERENCES

Garrow, Terry D. (1989): The 1989 Geological Exploration Report on the Cariboo Gold Property

Prepared for Noble Metal Group Incorporated.

Johnston, W.A. and Uglow, W.L. (1926). Placer and Vein Gold Deposits of Barkerville, Cariboo

District, British Columbia; Geological Survey of Canada, Memoir 149.

MapPlace website

Minfile website

Shearer, J.T. - Diamond Drilling Assessment Report on the Cariboo Gold Property Keithley Creek

Area for Noble Metal Group Incorporated. June 28, 1991. AR 21,523.

Struik, L.C. 1988. Structural Geology of the Cariboo Gold Mining District, East-Central British

Columbia; Geological Survey of Canada, Memoir 421. (O.F 1109 Outcrop Lithology Maps)

Sookochoff, L. – Geophysical Assessment Report on the Keithley Creek Placer Property for Noble Metal Group Incorporated.

Timmins, W.G. Diamond Drilling Report on the NMG 26 Mineral Claim for Noble Metal Group

Incorporated. September 28, 2001. AR 26,659.

Timmins, W.G. Assessment Report on Geochemical Grid and Sample Collection Keithley Creek

Area for Noble Metal Group Incorporated. August 13, 2007. AR 29,259.

Timmins, W.G. Report on the 2007-2008 Geochemical Soil Survey Keithley Creek Area for Noble

Metal Group Incorporated. December 17, 2007. AR 30,435.

Timmins, W.G. VLF-Electro Magnetic and Magnetometer Surveys on the Cariboo Gold Property for Noble Metal Group Incorporated. December 5, 2013.

14 ITEMIZED COST STATEMENT

NMG GRID:

Fieldwork done on tenure #'s 1038716; 1038717 and 1038718

STATEMENT OF EXPENDITURES EVENT # 5573323:

Dates of Work September 21- October 5, 2015

60 Total Person Days

MOB AND DEMOB

Mileage Charged:

Geologist Truck Mileage – Kelowna- Property/ Return	1,362km @\$0.65/km	\$ 885.30
Co Supervisor Vehicle Mileage – Kelowna – Property/Return	1,362 km @\$0.65/km	\$ 885.30
Crew Supervisor- Vancouver – Property / return	1450 km. @ \$0.65	\$ 942.50
Field Crew Mileage Vancouver – Property & Return		<u>\$ 942.50</u>
Total:		\$ 3,655.60

Travel Days Charged:

Crew Supervisor	Two Travel Days @ \$250.00 Per Day	\$ 500.00
Two Operators	Two Travel Days @ \$250.00 Per Day	\$ 1,000.00
One Line Cutter	Two Travel Days @ \$250.00 Per Day	<u>\$ 500.00</u>
Total:		\$ 5,655.60

WORK PROGRAM:

Geologist:	6 Days @ \$600.00 Per Day	\$ 3,600.00
Crew Supervisor:	13 Days @ \$300.00 Per Day	\$ 3,900.00
Crew Leader:	2 Days @ \$275.00 Per Day	\$ 550.00
Two Operators:	26 Days @ \$275.00 Per Day	\$ 7,150.00
Line Cutter:	13 Days @ \$275.00 Per Day	\$ 3,575.00
Instrument Rentals:	15 Days @ \$150.00 Per Day	\$ 2,250.00
Truck Rental:	13 Days @ \$75.00 Per Day	\$ 975.00
Chain Saw Rental:	13 Days @ \$50.00 Per Day	\$ 650.00
Room and Board:	60 Person Days @ \$100.00 Per Day	\$ 6,000.00
VLF-EM Maps		\$ 1,000.00
Miscellaneous Supplies.		\$ 75.00
Drafting, Typing & Collating of Report		\$ 1,500.00
Report on VLF-EM Magnetometer Survey		<u>\$ 4,000.00</u>

TOTAL: \$40,880.60

APPENDIX "A"

VLF-EM AND MAGNETOMETER FIELD DATA

North	East	VLF	VLF-FF	Quad	Mag
5852000	602475	0		0	57829
5852000	602500	-10	0	0	57839
5852000	602525	-10	-25	0	57829
5852000	602550	0	-10	0	57842
5852000	602575	5	5	0	57841
5852000	602600	-5	-5	0	58185
5852000	602625	5	-10	0	58639
5852000	602650	0	5	0	58442
5852000	602675	10	20	0	57629
5852000	602700	-10	0	0	57202
5852000	602725	0	-10	0	58637
5852000	602750	0	-4	0	57834
5852000	602775	0	1	0	57810
5852000	602800	4	9	0	57803
5852000	602825	-5	9	0	57957
5852000	602850	0	5	0	58393
5852000	602875	-10	-25	0	58532
5852000	602900	0	-33	0	58096
5852000	602925	15	-8	0	58056
5852000	602950	8	-17	0	57850
5852000	602975	15	6	0	58118
5852000	603000	25		0	57107
5852000	603025	-8		0	58207
5851950	602450	8		0	55975
5851950	602475	0	-4	0	56007
5851950	602500	10	8	0	55942
5851950	602525	2	17	0	56002
5851950	602550	0	11	0	55975
5851950	602575	-5	4	0	55983
5851950	602600	-4	-12	0	55996
5851950	602625	-5	-22	0	55977
5851950	602650	8	-2	0	55976
5851950	602675	5	15	0	56004
5851950	602700	0	12	0	56033
5851950	602725	-2	3	0	55992
5851950	602750	-5	-22	0	56045
5851950	602775	0	-15	0	55998
5851950	602800	15	18	0	55961
5851950	602825	-5	18	0	55973
5851950	602850	2	15	0	55967
5851950	602875	-10	5	0	58262
5851950	602900	-8	-13	0	60510
5851950	602925	-5	-15	0	55946
5851950	602950	0	-5	0	58820
5851950	602975	2	9	0	61042
5851950	603000	-2	0	0	58923

5851950	603025	-5	-12	0	58746
5851950	603050	5	-20	0	59362
5851950	603075	0		0	58934
5851950	603100	20		0	58864
5851900	602400	0		0	57860
5851900	602425	-5	-3	0	58375
5851900	602450	-2	-7	0	58003
5851900	602475	0	-4	0	58107
5851900	602500	0	-4	0	58109
5851900	602525	2	-8	0	58750
5851900	602550	2	8	0	58078
5851900	602575	8	17	0	57624
5851900	602600	-12	-4	0	58286
5851900	602625	5	-14	0	58683
5851900	602650	-5	-7	0	58526
5851900	602675	12	12	0	58409
5851900	602700	-5	-13	0	58076
5851900	602725	0	-25	0	57836
5851900	602750	20	5	0	58512
5851900	602775	0	5	0	58333
5851900	602800	15	20	0	58544
5851900	602825	0	18	0	58507
5851900	602850	-5	-7	0	58474
5851900	602875	2	-3	0	57928
5851900	602900	0	10	0	58381
5851900	602925	0		0	57300
5851900	602950	-8		0	57588
5851850	602625	-2		0	56876
5851850	602650	-5	-5	0	55944
5851850	602675	-7	-12	0	55970
5851850	602700	5	3	0	55933
5851850	602725	-5	0	0	56450
5851850	602750	0	-5	0	58214
5851850	602775	0	18	0	58850
5851850	602800	0	16	0	58318
5851850	602825	-18	-22	0	58598
5851850	602850	2	-23	0	59919
5851850	602875	2	4	0	59004
5851850	602900	5	7	0	59070
5851850	602925	-5	-5	0	58378
5851850	602950	5	-15	0	59037
5851850	602975	0		0	55964
5851850	603000	15		0	56478
5851800	602375	0		0	56450
5851800	602400	0	2	0	56057
5851800	602425	0	7	0	57027
5851800	602450	-2	3	0	56099

5851800	602475	-5	-7	0	55973
5851800	602500	0	-5	0	55997
5851800	602525	0	0	0	56055
5851800	602550	0	0	0	57228
5851800	602575	0	8	0	56031
5851800	602600	0	8	0	56006
5851800	602625	-8	-28	0	55940
5851800	602650	0	-28	0	55996
5851800	602675	20	18	0	55937
5851800	602700	0	10	0	56957
5851800	602725	2	-1	0	55908
5851800	602750	8	30	0	56484
5851800	602775	-5	30	0	56031
5851800	602800	-15	-8	0	56092
5851800	602825	-12	-27	0	55903
5851800	602850	0	-12	0	56012
5851800	602875	0	10	0	56103
5851800	602900	0	10	0	55909
5851800	602925	-10	-5	0	55957
5851800	602950	0	-7	0	56048
5851800	602975	-5	-7	0	55909
5851800	603000	2	-5	0	55957
5851800	603025	0	0	0	56031
5851800	603050	2	2	0	56071
5851800	603075	0	2	0	56089
5851800	603100	0	-15	0	55301
5851800	603125	0		0	55980
5851800	603150	15		0	55956
5851700	602450	0		0	56074
5851700	602475	0	10	0	56408
5851700	602500	-5	0	0	56071
5851700	602525	-5	0	0	56081
5851700	602550	0	5	0	55944
5851700	602575	-10	-10	0	56366
5851700	602600	0	-10	0	55937
5851700	602625	0	0	0	56666
5851700	602650	0	0	0	56247
5851700	602675	0	-5	0	56505
5851700	602700	0	-5	0	56171
5851700	602725	5	5	0	56014
5851700	602750	0	10	0	55911
5851700	602775	0	5	0	55929
5851700	602800	-5	-25	0	56212
5851700	602825	0	-20	0	55995
5851700	602850	20	10	0	56515
5851700	602875	-5	10	0	56011
5851700	602900	15	20	0	56532

5851700	602925	-10	7	0	57427
5851700	602950	0	-13	0	56144
5851700	602975	-2	1	0	56341
5851700	603000	5	11	0	56592
5851700	603025	-8	2	0	56145
5851700	603050	0	-8	0	56424
5851700	603075	-5	-10	0	56148
5851700	603100	5	0	0	56432
5851700	603125	0	10	0	56034
5851700	603150	0	10	0	56796
5851700	603175	-5	0	0	56087
5851700	603200	-5	-10	0	56518
5851700	603225	0	-3	0	56137
5851700	603250	0	2	0	56050
5851700	603275	-2	-2	0	56432
5851700	603300	0	-2	0	55937
5851700	603325	0	0	0	56556
5851700	603350	0		0	56076
5851700	603375	0		0	55997
5851600	602275	5		0	56065
5851600	602300	-10	-7	0	56040
5851600	602325	2	-10	0	55870
5851600	602350	0	2	0	55934
5851600	602375	2	4	0	57067
5851600	602400	-2	0	0	55926
5851600	602425	0	-7	0	56010
5851600	602450	0	10	0	55934
5851600	602475	5	20	0	55905
5851600	602500	-15	-15	0	57069
5851600	602525	0	-25	0	55987
5851600	602550	5	-5	0	56235
5851600	602575	5	3	0	56058
5851600	602600	5	6	0	56073
5851600	602625	2	10	0	56025
5851600	602650	2	9	0	55809
5851600	602675	-5	7	0	55986
5851600	602700	0	5	0	56008
5851600	602725	-10	-18	0	55995
5851600	602750	0	-18	0	56773
5851600	602775	8	8	0	55881
5851600	602800	0	0	0	56084
5851600	602825	0	-8	0	56093
5851600	602850	8	23	0	55980
5851600	602875	0	25	0	55888
5851600	602900	-15	-18	0	55926
5851600	602925	-2	-17	0	56109
5851600	602950	5	8	0	56410

5851600	602975	-5	-5	0	56015
5851600	603000	0	-10	0	56125
5851600	603025	5	17	0	57197
5851600	603050	0	27	0	56069
5851600	603075	-12	3	0	55969
5851600	603100	-10	-22	0	56212
5851600	603125	-5	-20	0	55915
5851600	603150	5	0	0	56057
5851600	603175	0	5	0	55953
5851600	603200	0	0	0	56206
5851600	603225	0	12	0	56000
5851600	603250	0	7	0	55958
5851600	603275	-12	-17	0	55911
5851600	603300	5	1	0	56039
5851600	603325	0	18	0	56088
5851600	603350	-8	-3	0	55985
5851600	603375	-5	-8	0	55962
5851600	603400	0	15	0	55976
5851600	603425	-5	10	0	56055
5851600	603450	-15	-20	0	56352
5851600	603475	0	-15	0	56356
5851600	603500	0	8	0	55889
5851600	603525	0	18	0	55918
5851600	603550	-8	10	0	55966
5851600	603575	-10	-5	0	56890
5851600	603600	-8	-13	0	55877
5851600	603625	-5	-8	0	56088
5851600	603650	0	0	0	56668
5851600	603675	-5	0	0	55936
5851600	603700	0	0	0	55902
5851600	603725	-5	-7	0	55920
5851600	603750	0		0	55943
5851600	603775	2		0	55185
5851500	602275	0		0	55910
5851500	602300	-5	-5	0	55830
5851500	602325	0	-5	0	56319
5851500	602350	0	15	0	56271
5851500	602375	0	10	0	55956
5851500	602400	-15	-15	0	55814
5851500	602425	5	-7	0	56038
5851500	602450	-5	-2	0	55975
5851500	602475	2	9	0	56273
5851500	602500	0	16	0	56117
5851500	602525	-12	-20	0	55961
5851500	602550	-2	-24	0	55917
5851500	602575	10	10	0	55987
5851500	602600	0	-13	0	56031

5851500	602625	-2	-22	0	55961
5851500	602650	25	28	0	56535
5851500	602675	-5	28	0	56728
5851500	602700	0	3	0	55948
5851500	602725	-8	-28	0	56032
5851500	602750	0	-36	0	55994
5851500	602775	20	17	0	56005
5851500	602800	8	33	0	56044
5851500	602825	-5	3	0	55895
5851500	602850	0	-5	0	55884
5851500	602875	0	0	0	55938
5851500	602900	0	2	0	56985
5851500	602925	0	7	0	55990
5851500	602950	-2	1	0	55991
5851500	602975	-5	-9	0	55992
5851500	603000	2	-5	0	55963
5851500	603025	0	-8	0	56636
5851500	603050	2	-1	0	55734
5851500	603075	8	15	0	55495
5851500	603100	-5	18	0	55442
5851500	603125	0	25	0	56034
5851500	603150	-15	0	0	56173
5851500	603175	-15	-12	0	56075
5851500	603200	0	3	0	56127
5851500	603225	-18	-13	0	56138
5851500	603250	0	-13	0	55884
5851500	603275	-5	5	0	55947
5851500	603300	0	5	0	56401
5851500	603325	-10	-2	0	55835
5851500	603350	0	-2	0	55957
5851500	603375	-8	-3	0	55968
5851500	603400	0	7	0	55906
5851500	603425	-5	25	0	55927
5851500	603450	-10	10	0	55965
5851500	603475	-20	-25	0	55996
5851500	603500	-5	-27	0	55954
5851500	603525	0	1	0	55954
5851500	603550	2	6	0	56252
5851500	603575	-8	-10	0	55930
5851500	603600	4	11	0	55930
5851500	603625	0	19	0	55897
5851500	603650	-15	-10	0	55998
5851500	603675	0	-2	0	56009
5851500	603700	-5	11	0	55976
5851500	603725	-8	-3	0	55995
5851500	603750	-8	-9	0	55854
5851500	603775	-2	-5	0	56011

5851500	603800	-5	1	0	55907
5851500	603825	0		0	55857
5851500	603850	-8		0	55872
5851400	602200	15		0	55965
5851400	602225	0	5	0	55960
5851400	602250	5	0	0	56003
5851400	602275	5	-30	0	56014
5851400	602300	0	-35	0	55964
5851400	602325	40	40	0	58671
5851400	602350	0	0	0	57700
5851400	602375	0	-48	0	57404
5851400	602400	40	5	0	55966
5851400	602425	8	16	0	55943
5851400	602450	27	32	0	55954
5851400	602475	5	34	0	55983
5851400	602500	-2		0	55436
5851400	602525	0		0	55961
5851400	602675	0		0	55979
5851400	602700	0	-30	0	56024
5851400	602725	30	25	0	56040
5851400	602750	0	23	0	56020
5851400	602775	5	3	0	56037
5851400	602800	2	7	0	55960
5851400	602825	0	-28	0	55993
5851400	602850	0	-40	40	55714
5851400	602875	30	25	0	55986
5851400	602900	10	43	0	55998
5851400	602925	-5	-2	0	55964
5851400	602950	2	-43	0	55946
5851400	602975	5	-68	0	55960
5851400	603000	35	0	0	55982
5851400	603025	40	75	0	55999
5851400	603050	0	40	0	55964
5851400	603075	0	-22	0	55969
5851400	603100	0	-27	0	55999
5851400	603125	22	22	0	55985
5851400	603150	5	7	0	56001
5851400	603175	-5	-25	0	55974
5851400	603200	25	15	0	55970
5851400	603225	0	18	0	55979
5851400	603250	5	3	0	55997
5851400	603275	2	12	0	55966
5851400	603300	0	22	0	55960
5851400	603325	-5	20	0	55980
5851400	603350	-15	-10	0	55997
5851400	603375	-10	-37	0	56000
5851400	603400	0	-24	0	55956

5851400	603425	12	2	0	56005
5851400	603450	2	6	0	56031
5851400	603475	8	18	0	56012
5851400	603500	0	16	0	55993
5851400	603525	-8	-16	0	55996
5851400	603550	0	-16	0	56001
5851400	603575	8	3	0	56015
5851400	603600	0	3	0	55996
5851400	603625	5	5	0	56024
5851400	603650	0	5	0	56001
5851400	603675	0	-12	0	56019
5851400	603700	0	-12	0	55982
5851400	603725	12	12	0	55988
5851400	603750	0	10	0	55984
5851400	603775	0	8	0	55987
5851400	603800	2	17	0	55949
5851400	603825	-10	-5	0	55965
5851400	603850	-5	-17	0	55934
5851400	603875	2		0	55968
5851400	603900	0		0	55865
5851300	602400	0		0	55970
5851300	602425	-8		0	55953
5851300	602450	25		0	58324
5851300	602475	30		0	55864
5851300	602600	5			55941
5851300	602625	18	-22	0	55929
5851300	602650	-5	-42	0	56045
5851300	602675	50	40	0	55948
5851300	602700	5	55	0	55966
5851300	602725	0	5	0	55934
5851300	602750	0	-8	0	55948
5851300	602775	0	-43	0	55984
5851300	602800	8	-25	0	55961
5851300	602825	35	40	0	55953
5851300	602850	-2	16	0	55993
5851300	602875	5	-14	0	55959
5851300	602900	12	17	0	55977
5851300	602925	5	22	0	55968
5851300	602950	-5	-5	0	55937
5851300	602975	0	-8	0	55975
5851300	603000	5	-3	0	55943
5851300	603025	-2	-7	0	56001
5851300	603050	10	13	0	55945
5851300	603075	0	15	0	55971
5851300	603100	-5	-50	0	55974
5851300	603125	0	-50	0	55949
5851300	603150	45	20	0	55961

5851300	603175	0	20	0	55903
5851300	603200	25	25	0	55960
5851300	603225	0	45	0	55954
5851300	603250	0	20	0	55949
5851300	603275	-20	-12	0	55957
5851300	603300	0	-12	0	56007
5851300	603325	-8	-13	0	56005
5851300	603350	0	-13	0	56090
5851300	603375	5	7	0	55951
5851300	603400	0	-8	0	55947
5851300	603425	-2	-17	0	55988
5851300	603450	15	21	0	55978
5851300	603475	0	23	0	55985
5851300	603500	-8	7	0	55972
5851300	603525	0	-13	0	55977
5851300	603550	-15	-42	0	56008
5851300	603575	20	-2	0	56006
5851300	603600	7	27	0	56001
5851300	603625	0	7	0	55966
5851300	603650	0	-30	0	55972
5851300	603675	0	-35	0	55986
5851300	603700	30	25	0	55996
5851300	603725	5	13	0	55984
5851300	603750	0	-17	0	55993
5851300	603775	22	22	0	55993
5851300	603800	0	24	0	55971
5851300	603825	0	7	0	55964
5851300	603850	-2	3	0	55968
5851300	603875	-5		0	55952
5851300	603900	0		0	55994
5851250	602725	0		0	56021
5851250	602750	0	0	0	56119
5851250	602775	0	-5	0	56096
5851250	602800	0	-5	0	56426
5851250	602825	5	0	0	55596
5851250	602850	0	0	0	56129
5851250	602875	5	5	0	56113
5851250	602900	0	3	0	55979
5851250	602925	0	-14	0	55988
5851250	602950	2	-8	0	56018
5851250	602975	12	11	0	56009
5851250	603000	-2	-20	0	56019
5851250	603025	5	-32	0	56065
5851250	603050	25	20	0	56010
5851250	603075	10	40	0	56185
5851250	603100	0	10	0	56011
5851250	603125	-5	-10	0	56033

5851250	603150	5	5	0	56017
5851250	603175	0	5	0	56068
5851250	603200	-5	-2	0	56003
5851250	603225	5	13	0	56000
5851250	603250	-8	2	0	56006
5851250	603275	-5	-3	0	56014
5851250	603300	0	0	0	55982
5851250	603325	-10	-5	0	56027
5851250	603350	5	10	0	55986
5851250	603375	-10	5	0	55992
5851250	603400	-5	5	0	56010
5851250	603425	-5	20	0	56013
5851250	603450	-15	-5	0	56047
5851250	603475	-15	-35	0	56062
5851250	603500	0	-15	0	56010
5851250	603525	5	5	0	55974
5851250	603550	-5	-5	0	55968
5851250	603575	5	-15	0	55973
5851250	603600	0	-10	0	56003
5851250	603625	15	15	0	55999
5851250	603650	0	15	0	56071
5851250	603675	0	-18	0	56001
5851250	603700	0	-20	0	56010
5851250	603725	18	11	0	56048
5851250	603750	2	10	0	55993
5851250	603775	5	2	0	56009
5851250	603800	5	15	0	56000
5851250	603825	0	15	0	56009
5851250	603850	-5	0	0	56001
5851250	603875	-5		0	55985
5851250	603900	0		0	55990
5851200	602700	5		0	57589
5851200	602725	0	-2	0	57636
5851200	602750	2	-3	0	56267
5851200	602775	5	5	0	56137
5851200	602800	0	3	0	57933
5851200	602825	2	2	0	59247
5851200	602850	0	-18	0	55967
5851200	602875	0	-20	0	60268
5851200	602900	20	20	0	58866
5851200	602925	0	5	0	60103
5851200	602950	0	-37	0	60204
5851200	602975	15	-7	0	59042
5851200	603000	22	22	0	57493
5851200	603025	0	9	0	55967
5851200	603050	15	22	0	60108
5851200	603075	-2	3	0	60020

5851200	603100	-5	-42	0	58992
5851200	603125	15	-10	0	57055
5851200	603150	20	20	0	57495
5851200	603175	0	-20	0	59242
5851200	603200	15	-22	0	58986
5851200	603225	25	23	0	56883
5851200	603250	12	7	0	57453
5851200	603275	5	-13	0	59047
5851200	603300	25	25	0	58568
5851200	603325	5	30	0	57380
5851200	603350	0	5	0	58941
5851200	603375	0	0	0	60740
5851200	603400	0	-15	0	58706
5851200	603425	0	-25	0	58033
5851200	603450	15	5	0	60477
5851200	603475	10	30	0	58087
5851200	603500	0	-5	0	58145
5851200	603525	-5	-25	0	56174
5851200	603550	20	15	0	58698
5851200	603575	0	15	0	56891
5851200	603600	0	-13	0	57861
5851200	603625	5	2	0	59231
5851200	603650	8	3	0	58614
5851200	603675	-5	-7	0	59794
5851200	603700	15	10	0	56018
5851200	603725	-5	0	0	59155
5851200	603750	5	-35	0	56420
5851200	603775	5	-25	0	55966
5851200	603800	30	28	0	56006
5851200	603825	5	8	0	55959
5851200	603850	2	-18	0	55957
5851200	603875	25		0	55946
5851200	603900	0		0	55970
5851150	602650	-5		0	56045
5851150	602675	-10	-10	0	55939
5851150	602700	0	-10	0	56036
5851150	602725	-5	-10	0	56014
5851150	602750	5	0	0	56641
5851150	602775	0	0	0	56062
5851150	602800	0	-9	0	56266
5851150	602825	5	-1	0	55991
5851150	602850	4	12	0	55967
5851150	602875	2	16	0	55940
5851150	602900	-5	2	0	54622
5851150	602925	-5	-10	0	55387
5851150	602950	0	-10	0	55944
5851150	602975	0	5	0	56000

5851150	603000	5	15	0	56045
5851150	603025	-10	-5	0	55985
5851150	603050	0	20	0	55960
5851150	603075	0	25	0	55997
5851150	603100	-30	-30	0	56002
5851150	603125	5	-20	0	56012
5851150	603150	-5	0	0	56002
5851150	603175	0	-5	0	55924
5851150	603200	0	0	0	57004
5851150	603225	0	-10	0	57022
5851150	603250	0	-2	0	57017
5851150	603275	10	13	0	56931
5851150	603300	-8	-3	0	56985
5851150	603325	5	-8	0	55995
5851150	603350	0	5	0	56023
5851150	603375	5	10	0	55012
5851150	603400	-5	0	0	56013
5851150	603425	0	-3	0	55957
5851150	603450	0	7	0	56987
5851150	603475	-2	5	0	56717
5851150	603500	-5	-5	0	56511
5851150	603525	-2	-2	0	56235
5851150	603550	0	3	0	55987
5851150	603575	-5	-5	0	55996
5851150	603600	0	5	0	56033
5851150	603625	0	10	0	56200
5851150	603650	-10	-10	0	55996
5851150	603675	0	-12	0	55994
5851150	603700	0	-2	0	56003
5851150	603725	2	7	0	55984
5851150	603750	0	17	0	55971
5851150	603775	-5	0	0	55990
5851150	603800	-10	-15	0	56125
5851150	603825	5	0	0	55965
5851150	603850	-5	8	0	55972
5851150	603875	0		0	55976
5851150	603900	-8		0	55998
5851100	602750	5		0	56006
5851100	602775	15	18	0	58955
5851100	602800	0	13	0	56895
5851100	602825	2	-23	0	56999
5851100	602850	0	-58	0	55936
5851100	602875	25	-25	0	55763
5851100	602900	35	55	0	56840
5851100	602925	15	55	0	56930
5851100	602950	-10	0	0	56072
5851100	602975	5	-32	0	56529

5851100	603000	0	-22	0	57000
5851100	603025	27	27	0	57323
5851100	603050	0	12	0	57256
5851100	603075	0	0	0	51350
5851100	603100	15	35	0	57136
5851100	603125	-15	5	0	57914
5851100	603150	-5	-25	0	57774
5851100	603175	0	-2	0	59353
5851100	603200	5	9	0	59272
5851100	603225	-8	1	0	56474
5851100	603250	4	6	0	59185
5851100	603275	-8	-7	0	58386
5851100	603300	-2	-15	0	58372
5851100	603325	5	-22	0	59102
5851100	603350	0	15	0	59094
5851100	603375	25	58	0	58583
5851100	603400	-35	-7	0	58171
5851100	603425	2	-28	0	58450
5851100	603450	-5	-8	0	58285
5851100	603475	0	-10	0	58093
5851100	603500	5	12	0	58317
5851100	603525	0	12	0	58945
5851100	603550	-7	-9	0	60034
5851100	603575	0	-14	0	59207
5851100	603600	2	-3	0	58751
5851100	603625	5	5	0	57221
5851100	603650	0	-27	0	56647
5851100	603675	2	-30	0	58101
5851100	603700	30	30	0	59143
5851100	603725	2	30	0	57008
5851100	603750	0	0	0	57189
5851100	603775	2	2	0	57597
5851100	603800	0	-3	0	58793
5851100	603825	0	-17	0	56080
5851100	603850	5	-7	0	58795
5851100	603875	12		0	56998
5851100	603900	0		0	57439
5851000	602975	0		0	55096
5851000	603000	0	12	0	56000
5851000	603025	-12	-12	0	5571
5851000	603050	0	-22	0	58779
5851000	603075	0	-10	0	58716
5851000	603100	10	-10	0	59172
5851000	603125	0	-20	0	56111
5851000	603150	20	10	0	59420
5851000	603175	10	10	0	56005
5851000	603200	0	-20	0	58249

5851000	603225	20	30	0	55994
5851000	603250	10	60	0	58299
5851000	603275	-20	5	0	58727
5851000	603300	-10	-45	0	57634
5851000	603325	-5	-35	0	56710
5851000	603350	20	25	0	57475
5851000	603375	0	40	0	57373
5851000	603400	-10	2	0	57559
5851000	603425	-10	-30	0	57841
5851000	603450	-2	-12	0	57262
5851000	603475	12	20	0	57127
5851000	603500	-12	-37	0	58269
5851000	603525	2	-45	0	56803
5851000	603550	35	32	0	57309
5851000	603575	0	30	0	57411
5851000	603600	5	12	0	57169
5851000	603625	0	17	0	57109
5851000	603650	-7	-2	0	56870
5851000	603675	-5	-12	0	56693
5851000	603700	0	-5	0	56769
5851000	603725	0	-8	0	56820
5851000	603750	0	-3	0	57520
5851000	603775	8	11	0	56215
5851000	603800	-5	1	0	57635
5851000	603825	2	-13	0	59265
5851000	603850	0	2	0	58158
5851000	603875	10	12	0	57595
5851000	603900	-10	-13	0	57447
5851000	603925	8	-5	0	56985
5851000	603950	5	15	0	57161
5851000	603975	-2	3	0	58762
5851000	604000	0	-22	0	58862
5851000	604025	0	-20	0	56031
5851000	604050	20	-20	0	56747
5851000	604075	0	-40	0	56797
5851000	604100	40	20	0	57000
5851000	604125	20	45	0	57342
5851000	604150	0	5	0	57467
5851000	604175	15	15	0	57318
5851000	604200	0	15	0	57668
5851000	604225	0	0	0	57833
5851000	604250	0	-5	0	57555
5851000	604275	0	-20	0	57500
5851000	604300	5	-8	0	57086
5851000	604325	15		0	57552
5851000	604350	-2		0	56037
5850900	603000	12		0	56012

5850900	603025	-2	20	0	58472
5850900	603050	-25	-42	0	55949
5850900	603075	15	-22	0	55999
5850900	603100	0	8	0	55998
5850900	603125	12	22	0	55963
5850900	603150	-5	12	0	55905
5850900	603175	-5	-5	0	55943
5850900	603200	0	0	0	58648
5850900	603225	-5	-13	0	56892
5850900	603250	0	-13	0	55967
5850900	603275	8	3	0	57170
5850900	603300	0	8	0	55982
5850900	603325	5	15	0	57478
5850900	603350	-5	3	0	59719
5850900	603375	-5	-12	0	59875
5850900	603400	2	-3	0	59476
5850900	603425	0	12	0	59631
5850900	603450	0	12	0	56037
5850900	603475	-10	-8	0	57936
5850900	603500	-2	-12	0	57633
5850900	603525	0	-7	0	51013
5850900	603550	0	-7	0	56054
5850900	603575	5	3	0	55936
5850900	603600	2	2	0	55952
5850900	603625	0	-3	0	56030
5850900	603650	5	15	0	56494
5850900	603675	0	20	0	55804
5850900	603700	-10	-5	0	56300
5850900	603725	-5	-17	0	56217
5850900	603750	0	-9	0	55724
5850900	603775	2	-4	0	56831
5850900	603800	2	0	0	55994
5850900	603825	4	6	0	56628
5850900	603850	0	-8	0	56412
5850900	603875	0	-22	0	57672
5850900	603900	12	0	0	57455
5850900	603925	10	20	0	57600
5850900	603950	2	12	0	52998
5850900	603975	0	7	0	57787
5850900	604000	0	3	0	55836
5850900	604025	-5	-7	0	55880
5850900	604050	2	-1	0	56000
5850900	604075	0	-1	0	56003
5850900	604100	-2	-15	0	55957
5850900	604125	5	-30	0	55993
5850900	604150	8	-27	0	56030
5850900	604175	25	18	0	56706

5850900	604200	15	25	0	58205
5850900	604225	0	2	0	55977
5850900	604250	15	7	0	56009
5850900	604275	-2	8	0	58665
5850900	604300	10	13	0	58007
5850900	604325	-5		0	56010
5850900	604350	0		0	56000
5850800	603100	0		0	55922
5850800	603125	-2	3	0	57337
5850800	603150	0	11	0	56014
5850800	603175	-5	3	0	57971
5850800	603200	-8	-8	0	55782
5850800	603225	0	2	0	55881
5850800	603250	-5	-5	0	55977
5850800	603275	-5	-20	0	58330
5850800	603300	5	-5	0	59014
5850800	603325	5	10	0	55921
5850800	603350	0	0	0	56375
5850800	603375	0	-13	0	56120
5850800	603400	5	-13	0	56348
5850800	603425	8	3	0	55840
5850800	603450	10	20	0	56139
5850800	603475	0	7	0	56167
5850800	603500	-2	-7	0	56520
5850800	603525	5	6	0	56085
5850800	603550	0	16	0	56164
5850800	603575	-3	13	0	56290
5850800	603600	-8	-8	0	56260
5850800	603625	-8	-16	0	55721
5850800	603650	5	7	0	56240
5850800	603675	-5	0	0	56563
5850800	603700	-5	-10	0	55843
5850800	603725	5	25	0	56317
5850800	603750	-5	-5	0	57192
5850800	603775	-20	-90	0	57507
5850800	603800	25	-35	0	57194
5850800	603825	40	70	0	57406
5850800	603850	0	40	0	57147
5850800	603875	-5	-10	0	57076
5850800	603900	5	2	0	56080
5850800	603925	0	19	0	55970
5850800	603950	-2	14	0	56446
5850800	603975	-12	-8	0	55905
5850800	604000	-4	-16	0	55939
5850800	604025	-2	-13	0	56470
5850800	604050	2	-5	0	56520
5850800	604075	5	12	0	56582

5850800	604100	0	12	0	56764
5850800	604125	-5	-8	0	56158
5850800	604150	-2	-37	0	56682
5850800	604175	5	-27	0	56110
5850800	604200	25	25	0	56480
5850800	604225	5	35	0	56360
5850800	604250	0	5	0	56681
5850800	604275	-5	-15	0	56414
5850800	604300	5	-15	0	56093
5850800	604325	5		0	56515
5850800	604350	10		0	55954
5850700	603200	-5		0	56138
5850700	603225	0	0	0	57578
5850700	603250	0	0	0	56313
5850700	603275	-5	-20	0	56527
5850700	603300	5	-5	0	56310
5850700	603325	10	18	0	55954
5850700	603350	-5	18	0	56396
5850700	603375	2	14	0	55987
5850700	603400	-15	-11	0	56454
5850700	603425	-2	-15	0	55942
5850700	603450	0	0	0	56605
5850700	603475	-2	-30	0	56285
5850700	603500	0	-40	0	57353
5850700	603525	28	-7	0	57428
5850700	603550	10	18	0	57180
5850700	603575	25	28	0	57599
5850700	603600	-5	-7	0	58976
5850700	603625	12	-48	0	59227
5850700	603650	15	-13	0	56707
5850700	603675	40	40	0	58878
5850700	603700	0	23	0	59111
5850700	603725	15	13	0	60770
5850700	603750	2	7	0	58795
5850700	603775	0	-8	0	57892
5850700	603800	10	10	0	58795
5850700	603825	0	0	0	59396
5850700	603850	0	-5	0	56922
5850700	603875	10	20	0	59176
5850700	603900	-5	5	0	57757
5850700	603925	-5	0	0	56340
5850700	603950	5	3	0	56480
5850700	603975	-15	-14	0	59018
5850700	604000	12	5	0	59014
5850700	604025	-8	4	0	57299
5850700	604050	0	-13	0	56508
5850700	604075	0	-5	0	57851

5850700	604100	5	-35	0	56086
5850700	604125	0	-55	0	57750
5850700	604150	40	18	0	57724
5850700	604175	20	58	0	56871
5850700	604200	2	27	0	56132
5850700	604225	0	15	0	56241
5850700	604250	-5	-2	0	57442
5850700	604275	-8		0	55930
5850700	604300	5		0	56964
5850600	604000	0		0	55727
5850600	604025	0	-10	0	55615
5850600	604050	5	-5	0	55597
5850600	604075	5	-10	0	55635
5850600	604100	5	5	0	55691
5850600	604125	15		0	56361
5850600	604150	-10		0	55963
5850500	603825	5		0	56622
5850500	603850	-5	0	0	56054
5850500	603875	0	-3	0	56676
5850500	603900	0	2	0	55937
5850500	603925	-2	-27	0	56003
5850500	603950	0	-52	0	56352
5850500	603975	25	-10	0	55849
5850500	604000	25	48	0	56404
5850500	604025	10	48	0	55825
5850500	604050	-8	2	0	56390
5850500	604075	-5	-13	0	56009
5850500	604100	5	13	0	56642
5850500	604125	-5	8	0	56241
5850500	604150	-8	2	0	56667
5850500	604175	0	7	0	55939
5850500	604200	-15	-20	0	56499
5850500	604225	0	-20	0	56395
5850500	604250	5	5	0	55899
5850500	604275	0	5	0	56175
5850500	604300	0	0	0	56479
5850500	604325	0		0	56480
5850500	604350	0		0	55940
5850400	603825	-5		0	56569
5850400	603850	-3	-8	0	56333
5850400	603875	0	-8	0	56383
5850400	603900	0	-3	0	56267
5850400	603925	5	7	0	56667
5850400	603950	-2	3	0	56567
5850400	603975	0	-7	0	55956
5850400	604000	0	3	0	56180
5850400	604025	5	8	0	56354

5850400	604050	-8	-10	0	56114
5850400	604075	5	-5	0	56508
5850400	604100	2	7	0	56441
5850400	604125	0	-3	0	56011
5850400	604150	0	-15	0	55849
5850400	604175	5	-10	0	56719
5850400	604200	10	18	0	56011
5850400	604225	5	1	0	56558
5850400	604250	-8	-45	0	56136
5850400	604275	22	-11	0	55770
5850400	604300	20	32	0	56031
5850400	604325	5		0	55746
5850400	604350	5		0	55993
5850300	603900	5		0	56077
5850300	603925	2	7	0	56209
5850300	603950	0	-13	0	56054
5850300	603975	0	-25	0	57212
5850300	604000	15	15	0	57259
5850300	604025	10	10	0	57445
5850300	604050	-10	-60	0	56884
5850300	604075	25	-20	0	58699
5850300	604100	35	38	0	56679
5850300	604125	0	-9	0	56805
5850300	604150	22	-15	0	57940
5850300	604175	22	-1	0	56046
5850300	604200	15	-8	0	56179
5850300	604225	30	15	0	55997
5850300	604250	15	30	0	56612
5850300	604275	15	30	0	56165
5850300	604300	0	5	0	55931
5850300	604325	0		0	55846
5850300	604350	10		0	56122
5850200	603850	0		0	56163
5850200	603875	0	10	0	56241
5850200	603900	-12	-29	0	56317
5850200	603925	2	-25	0	55964
5850200	603950	15	12	0	56126
5850200	603975	0	10	0	55939
5850200	604000	5	7	0	56688
5850200	604025	0	12	0	56138
5850200	604050	-2	3	0	56255
5850200	604075	-5	-7	0	56461
5850200	604100	0	-17	0	56623
5850200	604125	0	-27	0	57124
5850200	604150	12	-3	0	57041
5850200	604175	15	12	0	56311
5850200	604200	0	-8	0	55894

5850200	604225	15	-3	0	56101
5850200	604250	8	8	0	56420
5850200	604275	10	13	0	56219
5850200	604300	5	10	0	56382
5850200	604325	0		0	57051
5850200	604350	5		0	56704
5850100	603900	12		0	56790
5850100	603925	0	22	0	56587
5850100	603950	5	30	0	55951
5850100	603975	-15	-10	0	55975
5850100	604000	-10	-25	0	56728
5850100	604025	10	8	0	56484
5850100	604050	-10	-2	0	56477
5850100	604075	2	-3	0	56169
5850100	604100	0	-5	0	56684
5850100	604125	-5	-35	0	56124
5850100	604150	12	-9	0	56313
5850100	604175	18	32	0	56407
5850100	604200	-2	1	0	55902
5850100	604225	0	-22	0	55729
5850100	604250	15	10	0	56105
5850100	604275	5	25	0	56637
5850100	604300	0	5	0	56944
5850100	604325	-5		0	56551
5850100	604350	5		0	55990
5850000	603975	7		0	55910
5850000	604000	0	5	0	55917
5850000	604025	0	8	0	56005
5850000	604050	2	10	0	56044
5850000	604075	-10	-10	0	56361
5850000	604100	2	-8	0	55987
5850000	604125	0	7	0	56033
5850000	604150	0	0	0	55830
5850000	604175	-5	-10	0	55917
5850000	604200	5	0	0	55894
5850000	604225	0	5	0	55938
5850000	604250	0	0	0	56212
5850000	604275	0	2	0	56091
5850000	604300	0	-3	0	56138
5850000	604325	-2		0	55878
5850000	604350	5		0	55952
5849900	604025	0		0	55998
5849900	604050	5	-1	0	56018
5849900	604075	-2	-5	0	55922
5849900	604100	8	6	0	56031
5849900	604125	0	10	0	56124
5849900	604150	0	2	0	55834

5849900	604175	-2	-7	0	55718
5849900	604200	0	-7	0	56157
5849900	604225	5	5	0	55924
5849900	604250	0	5	0	55872
5849900	604275	0	2	0	56020
5849900	604300	0	-3	0	55928
5849900	604325	-2		0	55896
5849900	604350	5		0	55971
5849800	604050	5		0	55893
5849800	604075	0	7	0	55930
5849800	604100	-2	-12	0	56056
5849800	604125	0	-24	0	55966
5849800	604150	10	0	0	55831
5849800	604175	12	24	0	55902
5849800	604200	-2	10	0	56007
5849800	604225	0	-2	0	56237
5849800	604250	0	-5	0	55812
5849800	604275	0	-5	0	55874
5849800	604300	5	-7	0	55908
5849800	604325	0		0	55954
5849800	604350	12		0	55962
5849700	604150	0		0	55951
5849700	604175	10	0	0	55943
5849700	604200	0	-5	0	55845
5849700	604225	10	15	0	55952
5849700	604250	5	33	0	55933
5849700	604275	-10	3	0	55946
5849700	604300	-8	-10	0	56100
5849700	604325	0		0	55892
5849700	604350	-8		0	56001
5849600	604200	0		0	55985
5849600	604225	5	-5	0	55968
5849600	604250	10	0	0	55935
5849600	604275	0	-10	0	55953
5849600	604300	15	5	0	55973
5849600	604325	5		0	55953
5849600	604350	5		0	55961