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REPORT
ON
INDUCED POLARIZATION SURVEY
NORTH BIRCH LAKE PROJECT
for
NEWRANGE GOLD CORP.

51° 27' 07" N latitude

92° 17' E longitude

D. Hawke P.Geol

June 08, 2021

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SUMMARY

During the period February 10 to March 25 2021 Dan Patrie Exploration Ltd. completed a gradient array Induced Polarization (IP) survey on the North Birch project for Newrange Gold Corp. A total of 74.5-line km of surveying was completed. The North Birch project is located about 120 km northeast of Red Lake, Ontario.

The IP survey was designed to try and outline structures, lithologies and mineralized areas that might be favourable for hosting economic concentrations of gold. The model used primarily as a basis for the work was gold mineralization associated with iron formation in a structural environment similar to that at the Musselwhite gold mine about 180 km to the northeast.

Survey lines were completed at 200 metre intervals and survey stations were marked by coloured flagging. Each station was located using UTM coordinates derived from a GPS instrument. The survey area is in zone 15, NAD 83.

Resistivity and chargeability values were contoured and the intensities colour shaded to produce the map plots. The chargeability values outlined two discontinuous, subparallel anomalies. The source of these anomalies is interpreted to be a lean iron formation.

Resistivity anomalies appear to be coincident with a band of intermediate volcanic rocks and at the northwest end of the grid they appear to outline a possible fold. A strong anomaly trending along grid line 2200 west may be related to a dike filled fault zone and it is flanked by two gold occurrences.

INTRODUCTION

Newrange Gold Corp. acquired the North Birch property in the Casummit lake area, Red Lake Mining Division, Ontario by way of option agreements with AurCrest Gold Inc. and Bounty Gold Corp. Newrange exercised the Bounty option in January 2021 and now owns 100% of those claims.

The company engaged Dan Patrie Exploration Ltd. (contractor) to complete a gradient array induced polarization survey over a portion of the property. During the period Feb. 10 to March

25 a total of 74.5-line km of survey work was completed by the contractor. The author was engaged by the contractor to prepare a report outlining the survey details and the results.

PROPERTY LOCATION AND ACCESS

The North Birch property consists of 188 cells totalling approximately 3008 hectares covering parts of the Casummit Lake, Brownstone Lake and Wavell Lake claim sheets located approximately 120 km northeast of Red Lake, Ontario (figure 1). A claim map is presented in figure 2. The centre of the claims is located at UTM coordinates 539000 E and 5705000N zone 15 NAD 83. A listing of the cell numbers comprising the property is presented in table 1.

Access to the project is via a forest access road from the village of Ear Falls, Ontario to its terminus in the Shabumeni Lake area (figure 3) and thence via a winter road to Casummit lake. A snowmobile trail provides access to the claims from the end of the road. During the summer months the property can be reached by float plane from bases in Red Lake or Confederation Lake.



Figure 1. Location Map from Newrange Gold website <https://newrangegold.com>

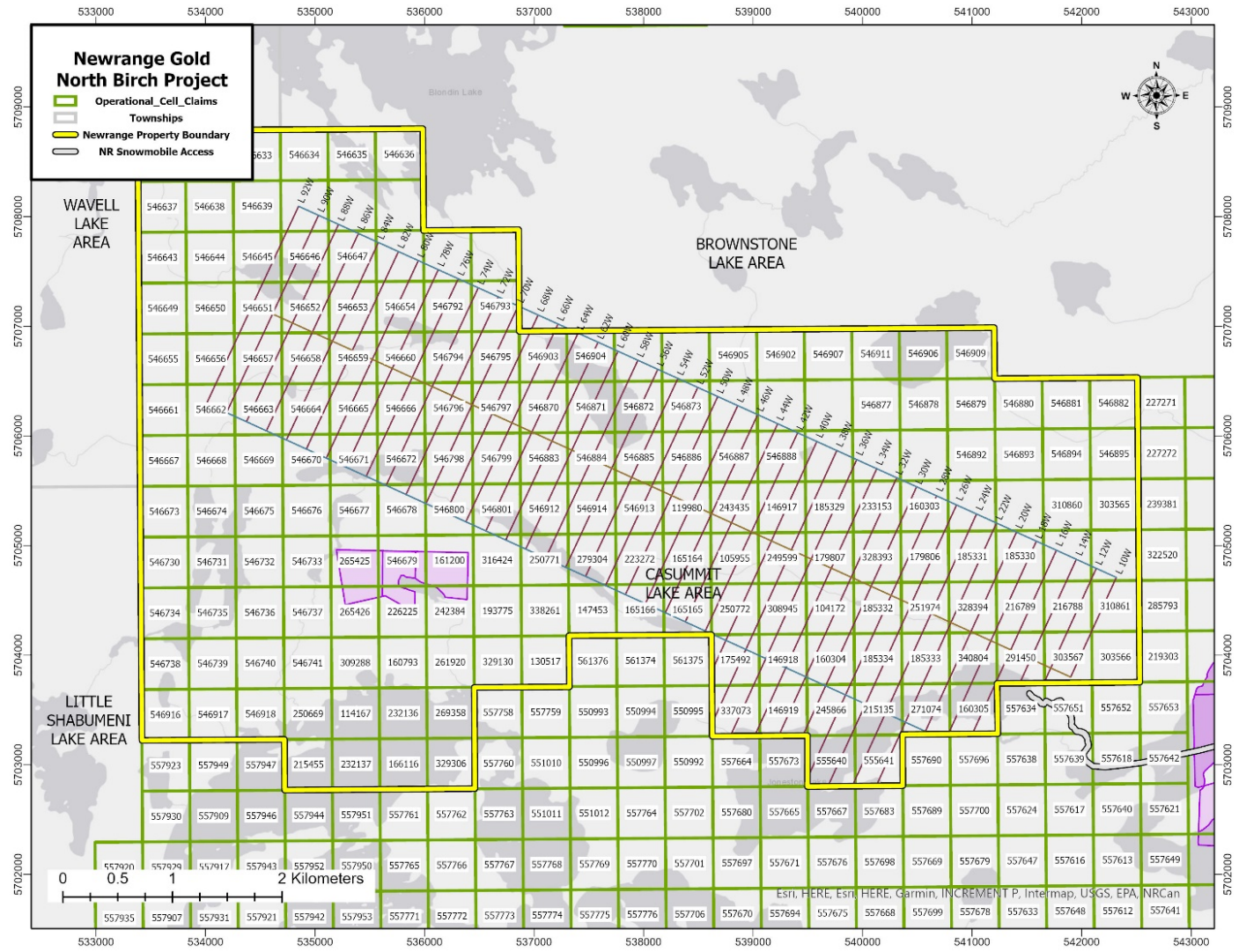


Figure 2. Newrange Gold claim map

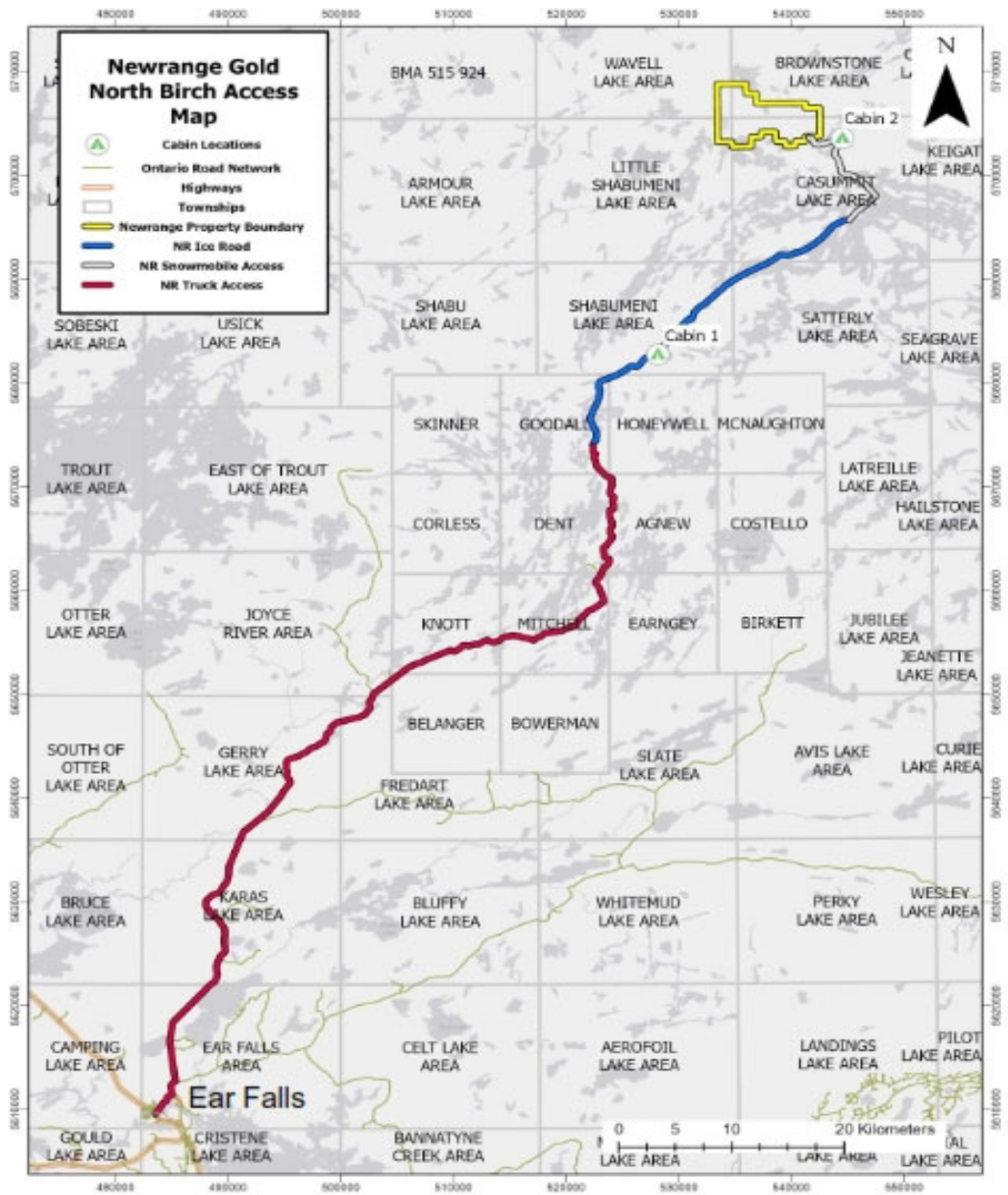


Figure 3. North Birch Project access map

Table 1 Claims Listing from Newrange Gold Corp

Tenure Number	Issue Date	Status	Anniversary Date	Owner Client Number
104172	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
105955	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
114167	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
119980	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
130517	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
146917	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
146918	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
146919	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
147453	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
160303	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
160304	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
160305	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
160793	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
161200	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
165164	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
165165	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
165166	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
166116	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
175492	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
179805	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
179806	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
179807	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
185329	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
185330	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
185331	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
185332	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
185333	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
185334	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
193775	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
200291	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
215135	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
215455	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
216788	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
216789	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
223272	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
226225	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
232136	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.

Tenure Number	Issue Date	Status	Anniversary Date	Owner Client Number
232137	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
233153	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
242384	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
243435	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
245866	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
249599	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
250669	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
250771	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
250772	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
251974	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
254866	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
261920	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
265425	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
265426	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
269358	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
271059	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
271074	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
279304	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
291450	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
303565	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
303566	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
303567	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
308945	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
309288	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
310860	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
310861	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
316424	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
328393	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
328394	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
329130	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
329306	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
337073	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
338261	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
340804	April 10, 2018	Active	February 23, 2020	(404481) AURCREST GOLD INC.
546870	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546871	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546872	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546873	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546874	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546875	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546876	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546877	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.

Tenure Number	Issue Date	Status	Anniversary Date	Owner Client Number
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546879	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546880	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546881	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546882	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546883	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546884	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546885	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546886	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546887	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546888	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
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546892	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546893	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546894	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
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546902	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546903	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546904	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
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546906	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546907	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546908	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546909	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546910	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546911	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546912	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
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546914	March 31, 2019	Active	March 31, 2021	(404481) AURCREST GOLD INC.
546631	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546632	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546633	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546634	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546635	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
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546639	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546640	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546641	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.

Tenure Number	Issue Date	Status	Anniversary Date	Owner Client Number
546734	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546735	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546736	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546737	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546738	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546739	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546740	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546741	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546792	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546793	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546794	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546795	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546796	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546797	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546798	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546799	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546800	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546801	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546916	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546917	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546918	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546919	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
546920	2019-03-31	Active	2021-03-31	(100) BOUNTY GOLD CORP.
555640	2019-08-12	Active	2021-08-12	(100) BOUNTY GOLD CORP.
555641	2019-08-12	Active	2021-08-12	(100) BOUNTY GOLD CORP.

HISTORY

The first report of staking in the area was in 1933 and some trenching and diamond drilling was carried out until 1937 (Furse, 1934). Exploration activities mostly ceased after that and then recommenced in 1966 according to the following chronology

1966 – Dome Exploration Ltd. Ground geophysics and drilling

1969 – Selco Mining Corp. ground mag and EM

1975 – Selco Mining Corp., ground mag and EM

1981 – Noranda Mines , airborne mag and EM

1984-1986 – R Hodgson, mapping, sampling and ground geophysics

1985 – Goldfields Canadian Mining Ltd., airborne and ground geophysical surveys

1985 – Golden Mavrick Res. Airborne mag and EM

1985 – Labrador Mining and Exploration airborne Mag. And EM

1987 – 1989 – Goldfields Canadian Mining Ltd. Diamond drilling

1987 & 1988 Esso Resources, mapping, sampling and mag surveys

1988 – Umex Inc. airborne Mag. And EM

1990 – Major General Res. Ground mag. EM , Geochem and mapping

1991 – Goldfields Canadian Mining Ltd., airborne surveying

2002-2003 – Fronteer Dev. Corp. airborne Mag. And EM, mapping, Geochem, drilling

2003-2004 – Bullion Res. Ltd. Geochem and mapping

2011-2012 Aucrest Gold Inc. diamond drilling

2012-2013 – Renforth Resources airborne and ground Mag and EM

Most of the survey work outlined above covered only portions of the present claim group.

GEOLOGY

Regional Geology

The North Birch project area lies within the Birch Confederation Lakes (BCL) greenstone belt of the Uchi Sub province of the large Superior geological Province. This sub province consists of a linear belt (figure 4) of volcanic and sedimentary rock assemblages that are underlain by synvolcanic plutons and intruded by later felsic plutons. It is bounded on the north by the Berens River Sub province (mainly plutonic) and on the south by the English River Sub province

(mainly metasediments). In the North Birch Area the greenstone assemblage comprises mafic to felsic metavolcanic flows and pyroclastics with lesser iron formation and metasediments. These have been intruded by granites. The greenstones have been divided into three cycles with cycle I hosting the bulk of the gold mineralization in the Red Lake camp.

Rocks of the BCL have undergone several stages of deformation manifested by high strain zones separated by lower strain zones.

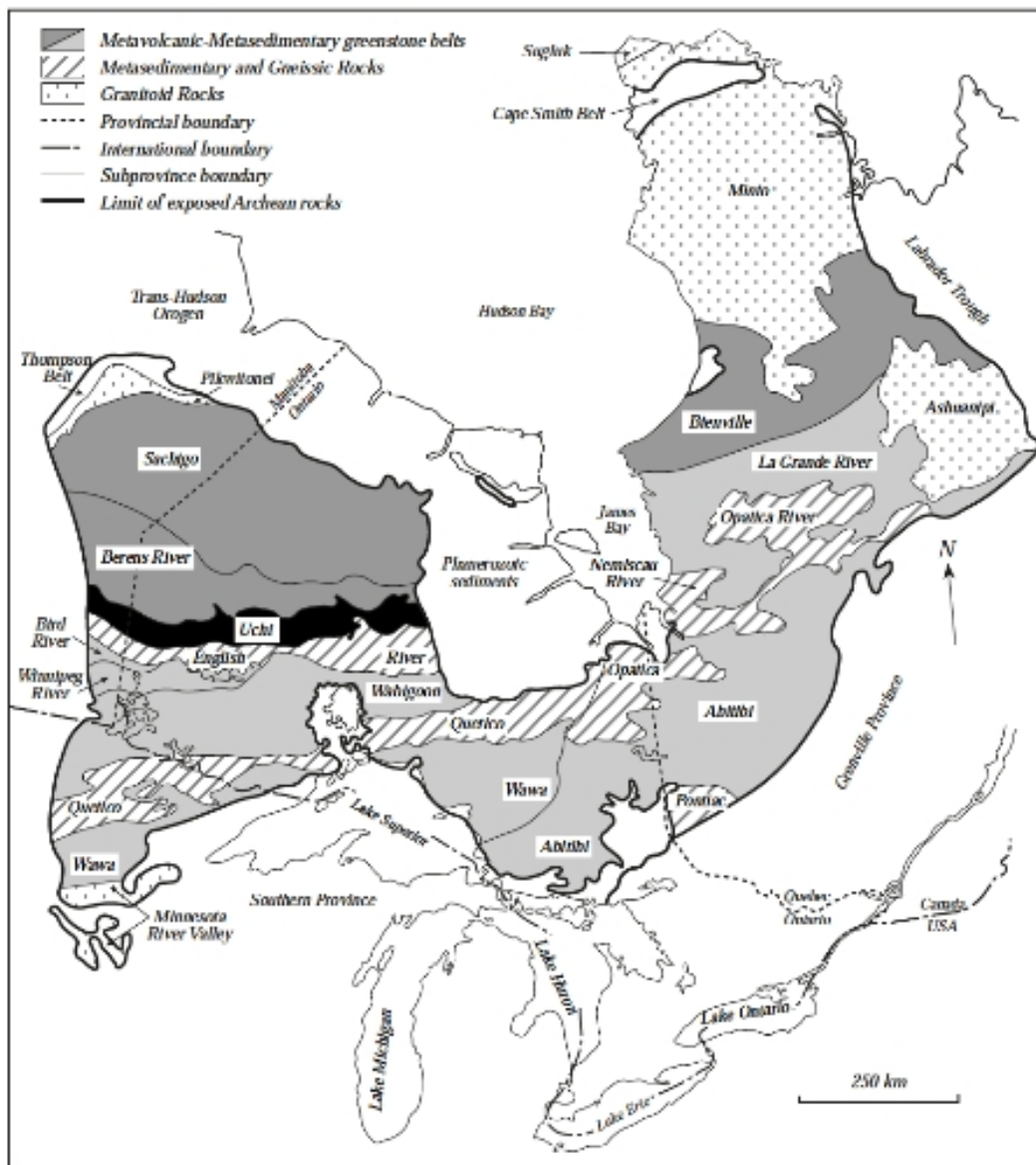


Figure 4 Regional Geology after Johnson (2005)

Local Geology

The geology of the area was mapped by Beakhouse (1994) and much of the following description is taken from his work. A map showing the geology of the claims and surrounding area is presented in figure 5.

The property is located at the northern edge of the Birch-Confederation greenstone belt in the eastern section of the Uchi Sub province. Mafic metavolcanic rocks dominate the stratigraphic package underlying the claims along with lesser intermediate to felsic assemblages and some metasediments. These rocks are locally interbedded with iron formations. The volcanic rocks are intruded by mafic to felsic plutonic rocks some forming small plutons such as the Mink Lake stock.

Caughey and Harris (2004) have mapped lithologies in the area that appear to correlate with cycle I rocks (Balmer assemblage) that hosts the orebodies in the prolific Red Lake camp.

A major anticlinal fold occurs north of Mink Lake that plunges steeply to the northwest. This D2 event has produced a distinct mineral lineation parallel to the fold axis and a later D3 deformation event has produced a foliation cutting the earlier event.

Structurally the area is very complex due to the two major deformational events that affected the rocks in the area. Some rocks are highly strained and have undergone intense hydrothermal alteration obliterating primary structures and textures in places. Small scale, northwest trending, shear zones are common showing dextral displacements of several metres. Tight folding and axial plane shearing strong alteration are evident in volcanic rocks and iron formation units and this level of structural complexity compares with the setting at the Musselwhite Gold Mine located some 180 km to the northeast of the North Birch project.

Most of the known gold occurrences in the area are associated with sulphide mineralization in quartz – carbonate veins and with disseminations in intensely deformed iron carbonate alteration zones.

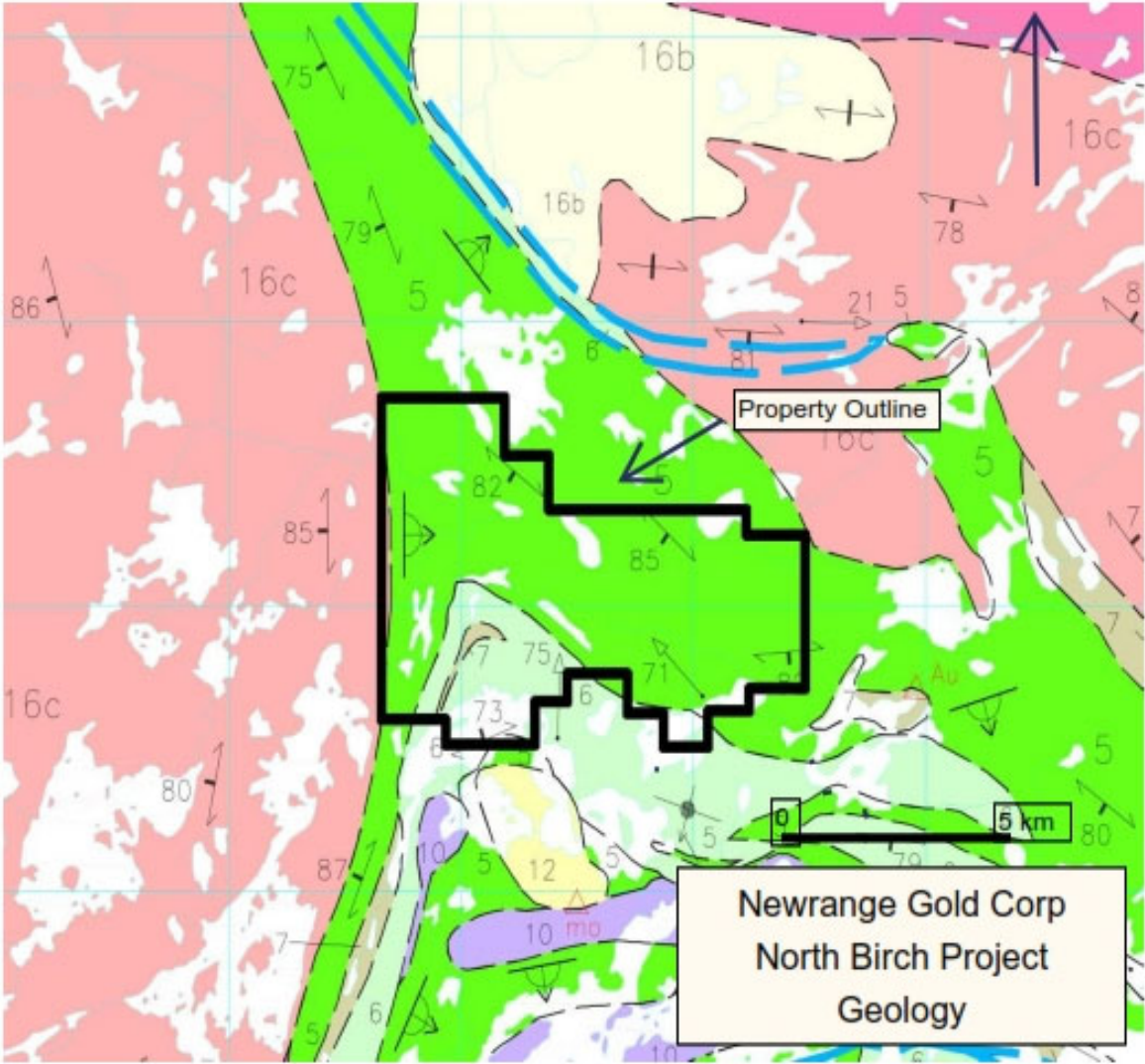


Figure 5 Geology of the North Birch Area modified after Stone, 1996



Legend for Figure 5 from Stone, 1996.

The most significant deposit in the area is the Argosy Mine located about 2 km east of the eastern property boundary. The mine property is underlain by mafic flows with intercalated ferruginous slate, greywacke and chert-magnetite iron formation known as the mine series. Gold mineralization is hosted in quartz veins where they cut the mine series. A total of 101875 oz Au and 9788 oz Ag were produced from ore with an average grade of 0.37 oz/ton (12.7 g/t).

There are several previously discovered gold showings on the property and their locations are shown on figure 6.

Showing C 18 consists of a number of quartz veins cutting felsic to intermediate pyroclastic rocks and 50 metres to the west a zone of strong sericite and Fe carbonate alteration was discovered. Pyrite mineralization is common to both areas. Hodgson (1986) collected samples that assayed between 0.1 oz/ton (3.4g/t) to 0.52 oz/ton (18.51 g/t).

Occurrence C 28 contains copper mineralization in a drill hole cutting mafic volcanics with some graphitic interbeds. The best assay was 0.11 % Cu over 2.4 ft. (0.48m). There is no report of gold at this site but a sample from a nearby qtz vein assayed 0.25 oz./t (8.57g/t)

Showing C 24 consists of quartz veining associated with cherty ironstone breccia mineralized with disseminated pyrite. A sample from this location assayed 1.13 g/t gold.

C 16 lies within a strongly sheared sequence of pillowed flows and minor interbedded metasediments and felsic tuffs. A quartz -carbonate- chlorite vein contains mainly pyrite with minor amounts of sphalerite, chalcopyrite and galena and the wall rocks are variably pyritized as well. Samples of this material returned values of up to 4.11 g/t Au.

The C 5 showing is located on some patented claims but parts may trend outside of the patents. The showing lies along a northwest trending linear that marks the contact between felsic to intermediate rocks to the south and mafic metavolcanics to the north. Quartz veining cuts altered felsic to intermediate tuff with both the quartz veins and the wall rocks are mineralized with pyrite. Samples of this material returned values of up to 3.5 g/t Au (Furse, 1934).

Showing C 23 is contained within a folded and sheared banded iron formation unit containing 2-5 % pyrite. Samples from this showing returned values of up to 5.64 g/t Au.

Occurrence C 4 comprises a sinistral shear zone in siliceous tuffs containing pyrite and visible gold. Samples of this material assayed up to 0.45 oz./t (15.4 g/t).

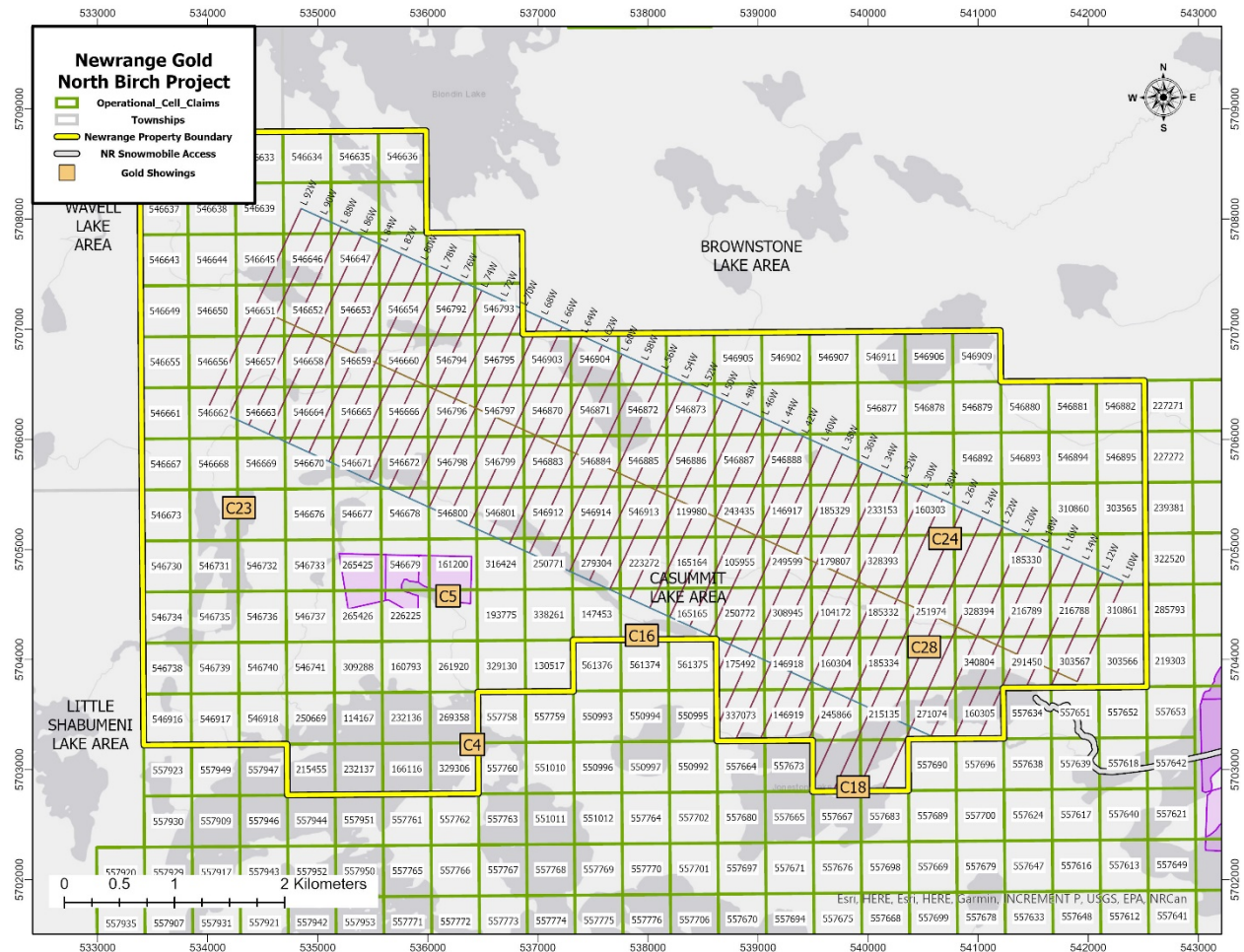


Figure 6 location of known gold showings North Birch Project

GEOLOGICAL MODEL

All of the gold deposits in the North Birch area belong to the orogenic class. These deposits consist of open space fillings and altered wall rock (replacement).

The veins typically consist of quartz with lesser amounts of ferroan carbonate (Roberts and Sheahan, 1988). Pyrite is the principal sulphide present with variable but lesser amounts of Arsenopyrite, pyrrhotite, sphalerite may also be present. Wall rocks are often altered and contain many of the minerals that constitute the veins themselves.

In replacement bodies quartz veins are a lesser component and the zones consist of silicified and carbonatized mafic rocks. These bodies have a variety of styles with brittle-ductile and ductile shears being more common than extensional quartz veins (Goldfarb et al, 2005).

Both types tend to be associated with greenschist facies rocks which may be due to the generation of large fluid volumes at the greenschist-amphibolite transition, the brittle ductile zone lies above this transition and gold solubility drops under greenschist facies conditions. (Goldfarb et al., 2005) Mineralization is generally syn to post peak metamorphism of the host terranes (Hagemann and Cassidy, 2000)

Gold mineralization in the North Birch project area is of two types. The first comprises mineralized (pyrite, arsenopyrite) quartz – carbonate veins and intensely deformed and altered zones associated with iron carbonate alteration. Both are spatially closely associated and have developed mainly along lithological contacts. At the C24 locality for example, quartz sulphide veining in silicified intermediate volcanics assayed 1.56 g/t over 2 m.

The second type occurs at the C 23 showing otherwise known as H Lake Bullion Res. At this locality mineralized sections of a siliceous shear returned values of up to 5.64 g/t Au. This style of mineralization has characteristics in common with the geological characteristics of the ore at the Musselwhite mine.

INDUCED POLARIZATION SURVEY

A gradient array induced polarization survey was carried out over the North Birch property during the period February 10, 2021 to March 25 2021 by Dan Patrie Exploration Ltd. For Newrange Gold Corp. A total of 74.5 line km over 42 lines was completed. Grid lines were flagged and established at 200 metre intervals while stations along the lines were at 50 metre intervals and they were located using a WAAS enabled Garmin GPS instrument with typical accuracies of 3-5 metres. The “a” spacing was 50 metres and the current electrodes were

located about 1 km north and south of the grid area. Resistivity and chargeability values were downloaded to a Geosoft plotting program for presentation. The instrumentation used for the survey consisted of a Scintrex IPR-12 receiver, Walcer TX KW10 transmitter and a Walcer TX-KW10 generator. The technical specifications for these instruments are given in appendix A. The receiver measures the area of integration for the Vp measurement, the area of integration for the M measurement, the decay curve, the electrode resistance, starting time of the reading, and duration of the measurement in IP cycles. In addition to these measurements the receiver also calculates K-factors for the apparent resistivity calculations, apparent resistivity and Cole-Cole data.

This survey was undertaken under authority of the following permits.

<u>Permit number</u>	<u>Company</u>
PR-20-000045	Bounty Gold Corp.
PR-20-000046	Bounty Gold Corp.
PR-20-000213	Aurcrest Gold Inc.

The electrode configuration for the gradient array is shown in figure 7. This array is used to measure the potential using a dipole moving between two fixed current electrodes. These measurements represent the bulk average of the surrounding physical properties within a focused area of influence roughly equal to the width of the receiver dipole. The depth and lateral resolution characteristics are best presented in plan. The resistivity of rocks (in the absence of metallic minerals) is variable and depends on their permeability, porosity, mineralogy and any contained saline fluids. The chargeability is a function of the presence of polarizeable minerals, their quantity and their distribution in subsurface flow paths.

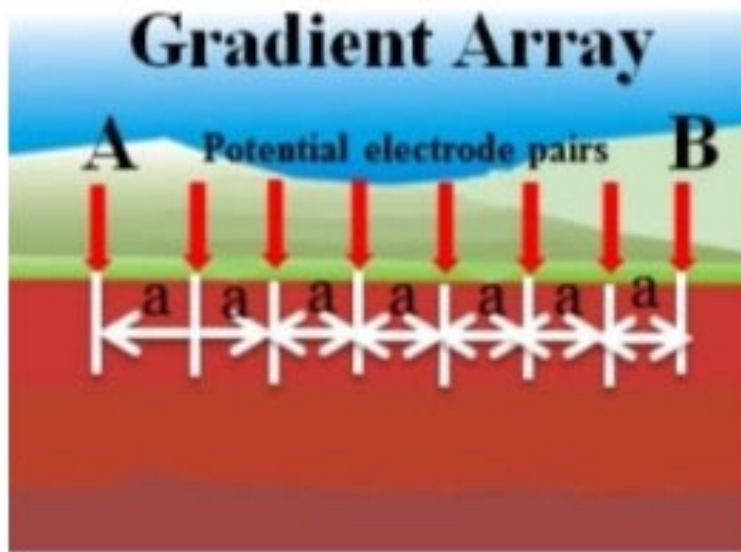


Figure 7 The gradient array electrode distribution from www.agiusa.com

Plots of the chargeability and resistivity are presented in figures 8 and 9.

The chargeability plot reveals two discontinuous subparallel bands of high chargeability (over 25 mV/V) that trend roughly east west to west northwest across the grid for a length of about 7 km.

The southern anomaly roughly parallels the baseline and trends across the entire length of the grid (figure 8). Thurston et al. (1981) mapped a synclinal axis just beyond the southern edge of the grid trending in a similar direction to the southern anomaly and this anomaly may be coincident with the northern limb of the syncline. A lithological contact separating intermediate volcanics to the south from mafic metavolcanics to the north is coincident with the eastern portion of this anomaly. Thurston et al. (1981) mapped a band of cherty rock north of Joneston Lake that appears to be coincident with this anomaly suggesting its source may be a lean iron formation.

The northern anomaly trends across the northwest corner of the grid. The form and amplitude of this anomaly is similar to the southern anomaly. There are no known gold occurrences associated with the northern anomaly but it is situated in an area containing relatively sparse

outcrop. It also is coincident with an airborne magnetic high. The source of this anomaly is interpreted to be a lean iron formation.

Gold showing C18 is coincident with a small strong chargeability anomaly at the southwest edge of grid line 2600 west. The full extent of the anomaly is unknown as it occurs at the edge of the survey area.

Resistivity anomalies appear to be coincident with a band of intermediate volcanics and at the western end of the grid the two anomalies appear to be coalescing (figure 9), possibly reflecting a fold with a northwest trending axis. This would suggest that the northern and southern chargeability anomalies are juxtaposed on opposite limbs of an antiformal structure. This fold interpretation is further enhanced by the aeromagnetic map shown in figure 10 that clearly shows a fold near the northwest edge of the grid.

Towards the eastern end of the grid a striking resistivity high follows grid line 2200 W and is oriented in a northeast direction. The chargeability anomalies in this area appear to be slightly offset and there is a slight flexure in a lithological contact shown on map OFM0176 at this locality suggesting that the resistivity anomaly is caused by a fault possibly containing a dike. Gold showings C28 and C24 flank this feature and they may be related to the source of the anomaly.

A detailed geophysical interpretation of the I.P. results along with proposed drill hole locations is attached as appendix D.

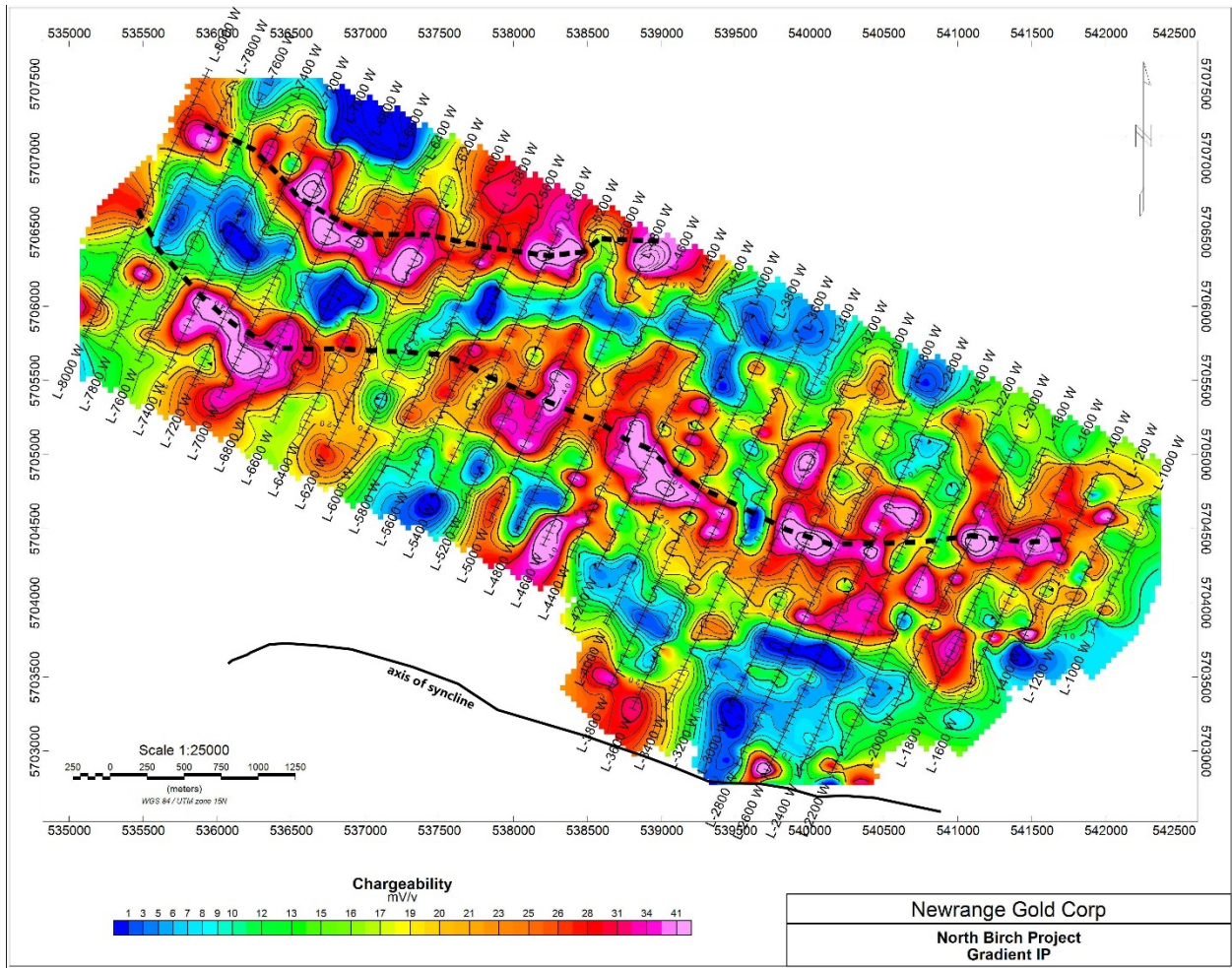


Figure 8 Chargeability plot Newrange Gold Property

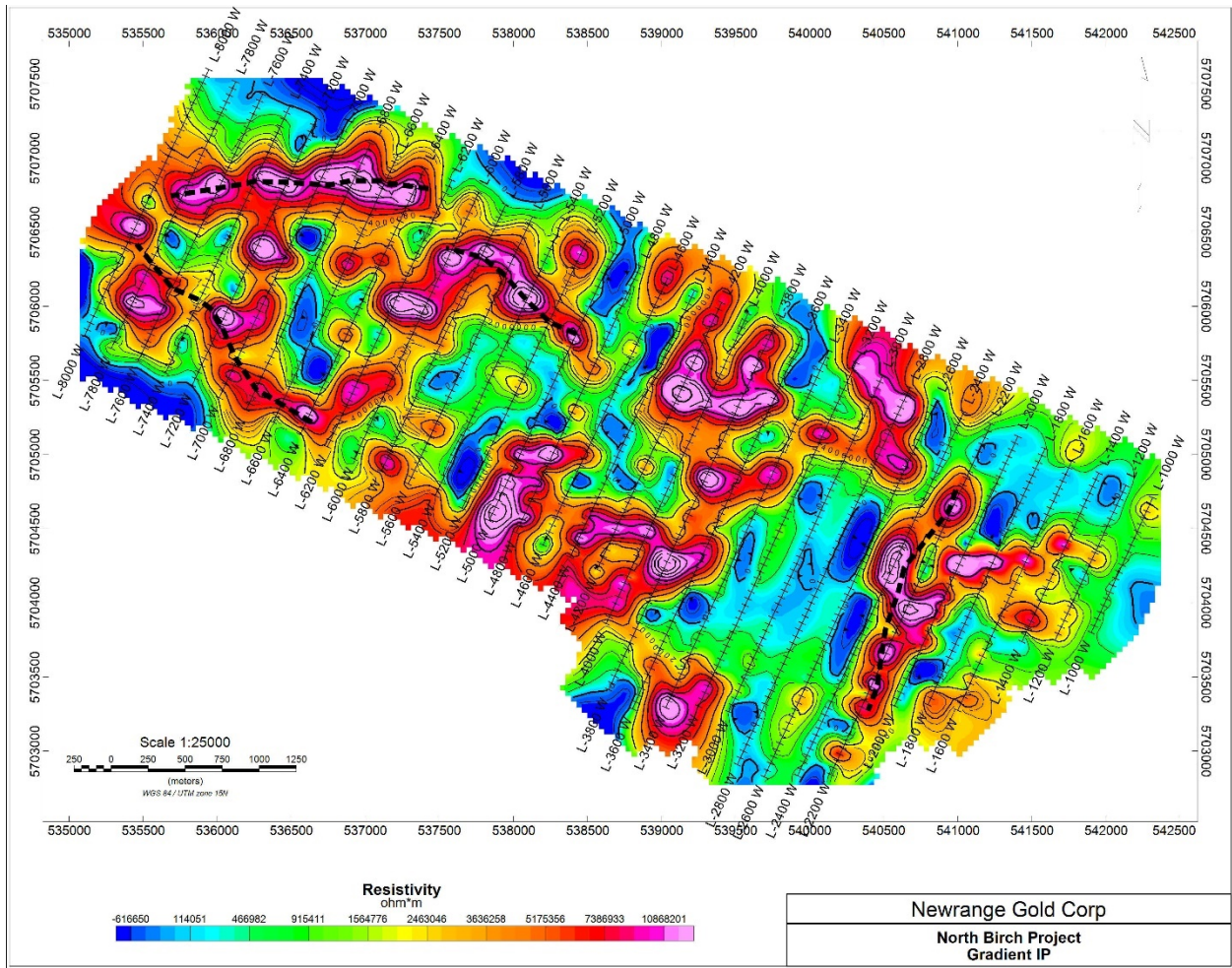


Figure 9 Resistivity plot Newrange Gold Property

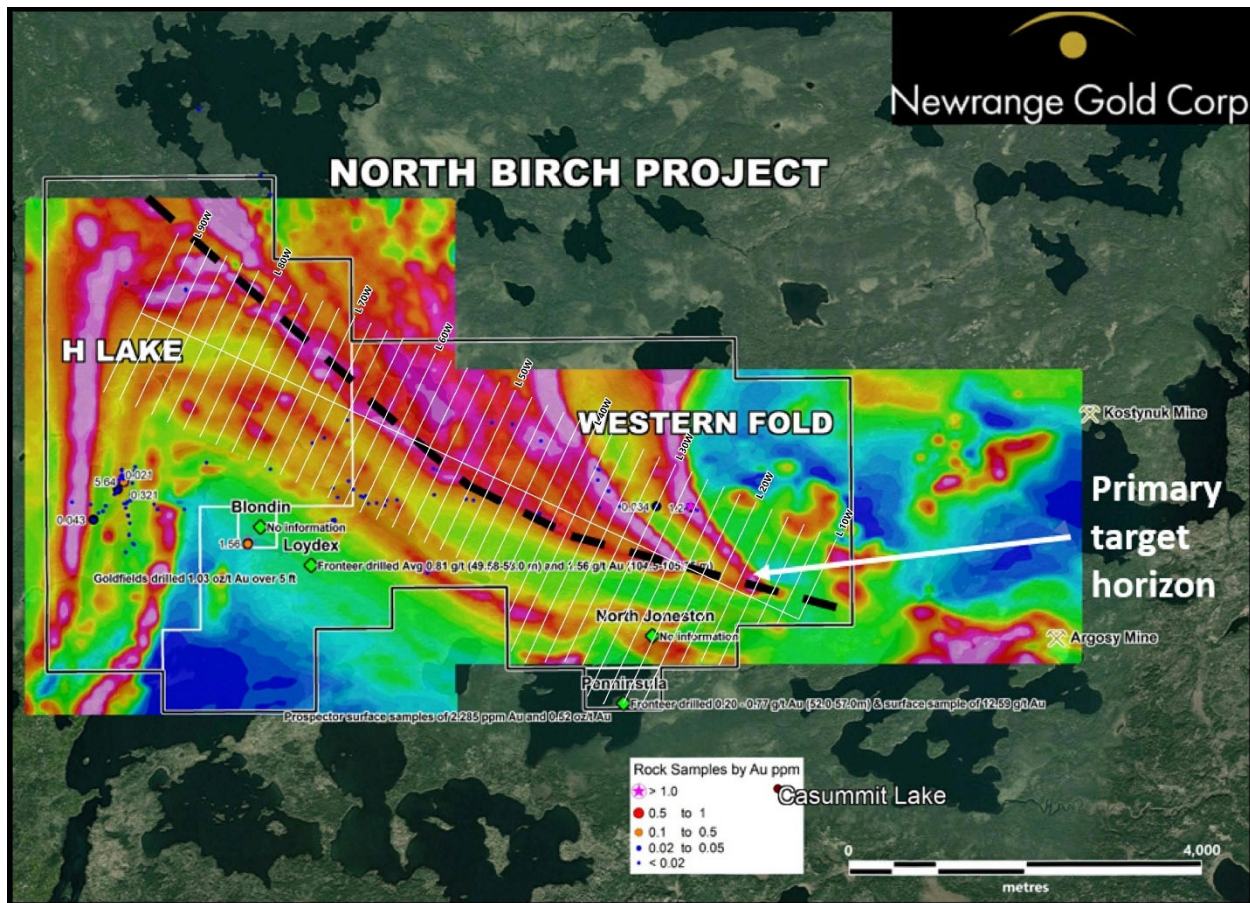


Figure 10 Aeromagnetic map with the I.P. grid. Modified from the Newrange website

<https://newrange gold.com>

CONCLUSIONS AND RECOMMENDATIONS

The gradient induced polarization survey outlined chargeability anomalies in an area containing structures and lithologies that offered enhanced geological potential to host economic gold mineralization. Outcrop is fairly sparse in the anomalous areas and the source could not be corroborated by any outcrops located during any of the mapping programs carried out in the area to date.

A northeast trending resistivity anomaly with values greater than 5,000,000 ohm/m occurs in the eastern section of the grid. The source of this anomaly is unknown but magnetic and geological data suggest that it may be a dike intruded along a fault zone.

Both the chargeability and resistivity anomalies should be thoroughly prospected to try and determine their source. Outcrop exposure may be limited over much of the anomalies and additional work will be required to outline drill targets. In addition, all of the known gold occurrences should be visited, sampled and evaluated.

A soil geochemical survey is recommended for the lines surveyed by the I.P. survey and specifically over the chargeability anomalies. Recently developed geochemical techniques such as MMI, SGH or Enzyme leach are preferred as they can produce apical anomalies over buried mineralization which can enable more accurate drill targeting. An orientation survey covering one of the known gold showings is recommended so that the most effective technique can be selected for use over the entire survey grid.

A budget in support of the recommended work programs is presented in table 2.

Table 2 work program and budget.

<u>ACTIVITY</u>	<u>AMOUNT</u>
Prospecting 30 days @ \$800/day	\$24,000
Geochem Sampling 35 days @\$900/day	\$31,500
Assays 1300 samples @\$50/sample	\$65,000
Transportation/ camp support	\$12,000
Supervision & reporting	\$24,000
SUBTOTAL	\$156,500
CONTINGINCIES 10%	<u>\$16,000</u>
TOTAL	\$172,500

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Kenora District (Patricia Portion); Ontario Geological Survey Preliminary Map P.2387.

QUALIFICATIONS

I, Donald Robert Hawke residing in Port Sydney, Ontario do hereby certify as follows:

1. I am a geologist residing at 242 Deer Lake Road Port Sydney, Ontario and I have practiced my profession continuously for over 50 years.
2. I graduated from Laurentian University, Sudbury Ontario with a M.Sc. degree in geology in 1981 and a Hons. B.Sc. degree in geology in 1973. In 1968, I graduated from Cambrian College, Sault Ste. Marie with a geology Technician Diploma.
3. I am a member of the Association of Professional Geoscientists of Ontario (#0661)
4. This report is based on the listed references, my general knowledge of the area
5. I am the author of the report titled "Induced Polarization Report on the North Birch Project"
6. I am independent of the property owner
7. As of the effective date of this report and to the best of my knowledge and belief the technical report contains all scientific and technical information that is required to be disclosed to make the report not misleading.
8. I consent to the public filing of this report and to the use of extracts from, or a summary of the report providing that no extracts or summary be used to convey a meaning not set out by the whole.

APPENDIX A
Personnel

LIST OF PERSONNEL

Brent Patrie	Sudbury, Ontario
Gabriel Roy	Smooth Rock Falls, Ontario
Justin Abramson	Sudbury, Ontario
Robert Kippax	Sudbury, Ontario
Joshua Francis	Toronto, Ontario
Calder McKenna	Toronto, Ontario
Mario Pilon	Timmins, Ontario
Samuel Pilon	Timmins ,Ontario
Roger Jacklin	Sudbury, Ontario

APPENDIX B

Equipment



Gasoline Tank
External - to minimize
shipping problems with airlines

MG-12A

Output
Self Excite / Regulated
120 / 220V AC
20 KVA Max
400 Hz / 3 phase

Generator
Bendix Aircraft Type
Very durable
Forced Air Cooled

Engine
24 HP Honda
Electric Start

Size
79cm. x 61cm. x 48cm.

Weight
89 kg.

Walcer Model TX KW10



Voltage Input
125V line to neutral
400 Hz / 3 phase
Powered by MG12, MG6 and MG12A

Output
100 - 3200V in 10 steps
0.05 - 20 Amps
Tested to 10.5 kVA

Switching
1 sec., 2 sec., 4 sec., 8 sec.

Metering
LED for line voltage
and output current

Size
63cm. x 54cm. x 25cm.

Weight
44 kg.



IPR-12 SPECIFICATIONS

The IPR-12 IP receiver has been successfully used for many years as a mineral exploration tool, specifically for gold exploration.

Induced polarization can also be used as a method for mapping hydrocarbon plumes and geotechnical applications.

Inputs:	1 to 8 dipoles are measured simultaneously.
Input Impedance:	16 M Ω
SP Bucking:	± 10 volt range. Automatic linear correction operating on a cycle by cycle basis.
Input Voltage (Vp) Range:	50 μ V to 14 V
Chargeability (M) Range:	0 to 300 mV/V
Tau Range:	60 microseconds to 2000 seconds.
Reading Resolution of Vp, SP and M:	Vp - 10 μ V; SP - 1 mV; M - 0.01 mV/V
Absolute Accuracy of Vp, Sp and M:	Better than 1%
Common Mode Rejection:	At input more than 100dB.
Vp Integration Time:	10% to 80% of the current on time.
IP Transient Program:	Pulse selectable at 1,2,4,8,16 or 32 seconds. Programmable windows also available. 50% duty cycle.
Transmitter Timing:	On/off times of 1,2,4,8,16 or 32 seconds.
External Circuit Test:	All dipoles measured individually in sequence. Range 0 to 2 M Ω with 0.1 k Ω resolution. Circuit resistances displayed and recorded.
Filtering:	RF filter, 10 Hz 6 pole low pass filter, statistical noise spike removal.
Internal Test Generator:	1200 mV of SP; 807 mV of Vp and 30.28 mV/V of M.
Analog Meter:	For monitoring input signals; switchable to any dipole via keyboard.
Memory Capacity:	Stores approximately 400 dipoles of information when 8 dipoles are measured simultaneously.
Power Supply:	Rechargeable Ni-Cad D cells. More than 20 hours service at +25°C (77°F), more than 8 hours at -30°C (-22°F)
Operating Temperature:	-30°C to +50°C (-22°F to 122°F)
Dimensions and Weights:	Console: 355 x 270 x 165 mm (14" x 10.6" x 6.5")
	Charger: 120 x 95 x 55 mm (4.7" x 3.7" x 2")
	Console: 5.8 kg (12.8 lbs.)
	Batteries: 1.3 kg (2.8 lbs.)
	Charger: 1.1 kg (2.4 lbs.)

APPENDIX C

I.P. Grid Data

Line	Station	Label	Easting	Northing	MX	ResCalc
-1000	0	L10/0	541900	5703800	9.14	655540.92
-1000	50	L10/50	541921	5703845	8.88	683375.71
-1000	100	L10/100	541942	5703891	4.52	711705.26
-1000	150	L10/150	541962	5703936	30.73	528171.94
-1000	200	L10/200	541983	5703982	18.54	642567.99
-1000	250	L10/250	542004	5704027	17.51	663428.54
-1000	300	L10/300	542025	5704073	15.40	386894.92
-1000	350	L10/350	542046	5704118	17.18	237066.65
-1000	400	L10/400	542066	5704164	11.05	495943.53
-1000	450	L10/450	542087	5704209	17.11	398436.90
-1000	500	L10/500	542108	5704255	14.79	467650.50
-1000	550	L10/550	542129	5704300	14.15	651104.82
-1000	600	L10/600	542150	5704345	15.05	559223.47
-1000	650	L10/650	542170	5704391	12.80	528533.07
-1000	700	L10/700	542191	5704436	16.03	999220.74
-1000	750	L10/750	542212	5704482	20.91	1007124.45
-1000	800	L10/800	542233	5704527	18.14	1209274.72
-1000	850	L10/850	542254	5704573	16.81	1574409.76
-1000	900	L10/900	542274	5704618	12.95	2838856.92
-1000	950	L10/950	542295	5704664	7.01	1868052.86
-1000	1000	L10/1000	542316	5704709	18.61	1572525.21
-1200	-150	L12/-150	541656	5703747	7.80	1700245.34
-1200	-100	L12/-100	541676	5703792	11.42	3360781.04
-1200	-50	L12/-50	541697	5703838	13.28	1537261.44
-1200	0	L12/0	541718	5703883	16.23	2106675.69
-1200	50	L12/50	541739	5703928	19.54	2838879.13
-1200	100	L12/100	541760	5703974	18.58	2580836.69
-1200	150	L12/150	541780	5704019	23.23	1060198.55
-1200	200	L12/200	541801	5704065	23.71	1222070.96
-1200	250	L12/250	541822	5704110	19.52	733676.02
-1200	300	L12/300	541843	5704156	-0.21	175922.18
-1200	350	L12/350	541864	5704201	26.32	409613.57
-1200	400	L12/400	541884	5704247	5.07	813308.81
-1200	450	L12/450	541905	5704292	26.55	4086983.80
-1200	500	L12/500	541926	5704338	23.04	2170130.38
-1200	550	L12/550	541947	5704383	21.57	1270870.64
-1200	600	L12/600	541968	5704428	11.70	1635336.81
-1200	650	L12/650	541988	5704474	19.90	699582.50
-1200	700	L12/700	542009	5704519	17.67	459213.10
-1200	750	L12/750	542030	5704565	49.19	360663.78
-1200	800	L12/800	542051	5704610	26.54	188167.15
-1200	850	L12/850	542072	5704656	16.59	142890.14

-1200	900	L12/900	542092	5704701	18.60	107427.13
-1200	950	L12/950	542113	5704747	19.93	62874.93
-1200	1000	L12/1000	542134	5704792	20.37	143442.60
-1400	-250	L14/-250	541432	5703739	3.37	325954.97
-1400	-200	L14/-200	541453	5703784	67.54	129684.55
-1400	-150	L14/-150	541474	5703830	5.70	5231297.37
-1400	-100	L14/-100	541494	5703875	19.33	8934982.02
-1400	-50	L14/-50	541515	5703921	21.73	6212996.43
-1400	0	L14/0	541536	5703966	23.70	4229947.83
-1400	50	L14/50	541557	5704011	21.03	1669571.52
-1400	100	L14/100	541578	5704057	16.49	1522997.04
-1400	150	L14/150	541598	5704102	15.34	2192155.04
-1400	200	L14/200	541619	5704148	21.40	2464813.47
-1400	250	L14/250	541640	5704193	20.44	3626071.97
-1400	300	L14/300	541661	5704239	19.77	970322.13
-1400	350	L14/350	541682	5704284	37.05	1733529.59
-1400	400	L14/400	541702	5704330	36.53	2256953.20
-1400	450	L14/450	541723	5704375	27.56	13649684.13
-1400	500	L14/500	541744	5704421	22.05	2686258.87
-1400	550	L14/550	541765	5704466	28.14	1657537.97
-1400	600	L14/600	541786	5704511	26.41	834816.02
-1400	650	L14/650	541806	5704557	23.10	902183.55
-1400	700	L14/700	541827	5704602	30.96	451291.78
-1400	750	L14/750	541848	5704648	18.71	164498.77
-1400	800	L14/800	541869	5704693	22.98	150036.37
-1400	850	L14/850	541890	5704739	-3.03	141552.30
-1400	900	L14/900	541910	5704784	25.00	183401.74
-1400	950	L14/950	541931	5704830	14.99	234659.79
-1400	1000	L14/1000	541952	5704875	22.45	25319.71
-1600	-850	L16/-850	540999	5703275	8.10	2455851.53
-1600	-800	L16/-800	541020	5703321	14.98	3820497.92
-1600	-750	L16/-750	541041	5703366	17.30	5706413.18
-1600	-700	L16/-700	541062	5703412	16.75	750294.53
-1600	-650	L16/-650	541083	5703457	23.13	3461184.33
-1600	-600	L16/-600	541103	5703503	20.20	3373598.64
-1600	-550	L16/-550	541124	5703548	18.09	34159.98
-1600	-500	L16/-500	541145	5703594	18.20	594869.56
-1600	-450	L16/-450	541166	5703639	12.54	3504406.70
-1600	-400	L16/-400	541187	5703684	7.00	203438.57
-1600	-350	L16/-350	541207	5703730	13.86	1518483.75
-1600	-300	L16/-300	541228	5703775	49.80	93762.49
-1600	-250	L16/-250	541249	5703821	8.36	152971.57
-1600	-200	L16/-200	541270	5703866	10.69	2529645.31
-1600	-150	L16/-150	541291	5703912	15.79	5646347.05
-1600	-100	L16/-100	541311	5703957	20.80	3686994.89

-1600	-50	L16/-50	541332	5704003	21.67	3451062.11
-1600	0	L16/0	541353	5704048	18.20	3209984.62
-1600	50	L16/50	541374	5704093	15.02	2615161.28
-1600	100	L16/100	541395	5704139	24.52	3987918.16
-1600	150	L16/150	541415	5704184	35.04	1805845.30
-1600	200	L16/200	541436	5704230	16.11	567851.57
-1600	250	L16/250	541457	5704275	35.74	14170286.13
-1600	300	L16/300	541478	5704321	35.31	5960002.00
-1600	350	L16/350	541499	5704366	38.73	1806066.21
-1600	400	L16/400	541519	5704412	43.59	995120.46
-1600	450	L16/450	541540	5704457	34.73	472432.20
-1600	500	L16/500	541561	5704503	37.45	427607.33
-1600	550	L16/550	541582	5704548	25.62	275011.22
-1600	600	L16/600	541603	5704593	23.74	316583.32
-1600	650	L16/650	541623	5704639	24.07	402632.72
-1600	700	L16/700	541644	5704684	25.23	177291.62
-1600	750	L16/750	541665	5704730	34.37	141392.00
-1600	800	L16/800	541686	5704775	22.44	183235.89
-1600	850	L16/850	541707	5704821	31.06	127837.68
-1600	900	L16/900	541727	5704866	25.04	99814.37
-1600	950	L16/950	541748	5704912	30.88	76687.03
-1600	1000	L16/1000	541769	5704957	10.40	2512764.81
-1800	-900	L18/-900	540797	5703313	12.56	4849726.61
-1800	-850	L18/-850	540817	5703358	13.22	5218046.43
-1800	-800	L18/-800	540838	5703404	11.83	5260127.45
-1800	-750	L18/-750	540859	5703449	27.23	84979.90
-1800	-700	L18/-700	540880	5703495	29.05	80232.64
-1800	-650	L18/-650	540901	5703540	30.77	76471.06
-1800	-600	L18/-600	540921	5703586	30.01	176404.51
-1800	-550	L18/-550	540942	5703631	34.37	204630.29
-1800	-500	L18/-500	540963	5703677	34.58	47464.19
-1800	-450	L18/-450	540984	5703722	34.04	44712.48
-1800	-400	L18/-400	541005	5703767	34.61	51444.71
-1800	-350	L18/-350	541025	5703813	33.74	48154.13
-1800	-300	L18/-300	541046	5703858	13.64	99674.22
-1800	-250	L18/-250	541067	5703904	17.40	59817.26
-1800	-200	L18/-200	541088	5703949	15.76	79812.04
-1800	-150	L18/-150	541109	5703995	13.39	1205006.36
-1800	-100	L18/-100	541129	5704040	13.65	927755.36
-1800	-50	L18/-50	541150	5704086	13.23	3256136.54
-1800	0	L18/0	541171	5704131	19.17	6425008.89
-1800	50	L18/50	541192	5704176	17.12	3178619.76
-1800	100	L18/100	541213	5704222	23.54	5738919.25
-1800	150	L18/150	541233	5704267	26.01	17089279.15
-1800	200	L18/200	541254	5704313	32.86	11810633.40

-1800	250	L18/250	541275	5704358	35.06	241605.43
-1800	300	L18/300	541296	5704404	34.86	504308.35
-1800	350	L18/350	541317	5704449	28.31	980790.33
-1800	400	L18/400	541337	5704495	28.24	177948.27
-1800	450	L18/450	541358	5704540	25.94	295990.22
-1800	500	L18/500	541379	5704586	20.16	84651.98
-1800	550	L18/550	541400	5704631	21.71	88227.97
-1800	600	L18/600	541421	5704676	16.91	57071.75
-1800	650	L18/650	541441	5704722	22.25	72060.02
-1800	700	L18/700	541462	5704767	17.07	78132.18
-1800	750	L18/750	541483	5704813	18.63	47676.83
-1800	800	L18/800	541504	5704858	15.57	55662.63
-1800	850	L18/850	541525	5704904	18.95	105673.95
-1800	900	L18/900	541545	5704949	16.59	451534.86
-1800	950	L18/950	541566	5704995	18.34	295482.50
-1800	1000	L18/1000	541587	5705040	15.24	303521.80
-2000	-1000	L20/-1000	540573	5703305	9.83	906056.43
-2000	-950	L20/-950	540594	5703350	9.06	413016.04
-2000	-900	L20/-900	540615	5703396	6.30	266311.21
-2000	-850	L20/-850	540635	5703441	9.01	342040.21
-2000	-800	L20/-800	540656	5703487	7.27	345111.59
-2000	-750	L20/-750	540677	5703532	12.90	120495.11
-2000	-700	L20/-700	540698	5703578	17.83	100540.80
-2000	-650	L20/-650	540719	5703623	19.42	270413.63
-2000	-600	L20/-600	540739	5703669	24.26	2060712.64
-2000	-550	L20/-550	540760	5703714	21.48	8678781.01
-2000	-500	L20/-500	540781	5703760	31.31	8003849.57
-2000	-450	L20/-450	540802	5703805	34.18	3179627.80
-2000	-400	L20/-400	540823	5703850	10.43	1503257.29
-2000	-350	L20/-350	540843	5703896	20.85	10488539.41
-2000	-300	L20/-300	540864	5703941	24.87	9422312.81
-2000	-250	L20/-250	540885	5703987	31.71	4284620.27
-2000	-200	L20/-200	540906	5704032	25.15	12752719.30
-2000	-150	L20/-150	540927	5704078	22.14	5729132.31
-2000	-100	L20/-100	540947	5704123	22.36	5373941.17
-2000	-50	L20/-50	540968	5704169	40.48	1714532.72
-2000	0	L20/0	540989	5704214	21.55	15505746.92
-2000	50	L20/50	541010	5704259	21.88	21340397.22
-2000	100	L20/100	541031	5704305	21.06	16414914.01
-2000	150	L20/150	541051	5704350	24.59	1116364.88
-2000	200	L20/200	541072	5704396	73.46	360631.98
-2000	250	L20/250	541093	5704441	58.27	844594.28
-2000	300	L20/300	541114	5704487	43.20	574964.92
-2000	350	L20/350	541135	5704532	25.37	549573.99
-2000	400	L20/400	541155	5704578	36.95	629951.63

-2000	450	L20/450	541176	5704623	40.18	354969.10
-2000	500	L20/500	541197	5704669	26.13	184928.56
-2000	550	L20/550	541218	5704714	36.27	291665.40
-2000	600	L20/600	541239	5704759	23.99	371660.26
-2000	650	L20/650	541259	5704805	25.28	565809.51
-2000	700	L20/700	541280	5704850	29.35	442262.23
-2000	750	L20/750	541301	5704896	16.55	176023.55
-2000	800	L20/800	541322	5704941	12.61	304415.23
-2000	850	L20/850	541343	5704987	10.21	235383.31
-2000	900	L20/900	541363	5705032	10.20	169897.79
-2000	950	L20/950	541384	5705078	13.82	103256.21
-2000	1000	L20/1000	541405	5705123	18.31	71465.70
-2200	-1600	L22/-1600	540141	5702843	11.21	1124800.73
-2200	-1550	L22/-1550	540162	5702888	37.47	96279.76
-2200	-1500	L22/-1500	540183	5702933	11.30	2745646.89
-2200	-1450	L22/-1450	540204	5702979	8.60	8247241.29
-2200	-1400	L22/-1400	540225	5703024	10.48	3117109.52
-2200	-1350	L22/-1350	540245	5703070	11.31	341261.18
-2200	-1300	L22/-1300	540266	5703115	10.66	374823.06
-2200	-1250	L22/-1250	540287	5703161	10.32	913931.70
-2200	-1200	L22/-1200	540308	5703206	16.26	702139.78
-2200	-1150	L22/-1150	540329	5703252	11.00	7669558.50
-2200	-1100	L22/-1100	540349	5703297	8.66	9743214.26
-2200	-1050	L22/-1050	540370	5703343	3.27	7092185.60
-2200	-1000	L22/-1000	540391	5703388	10.53	229374.00
-2200	-950	L22/-950	540412	5703433	4.57	13071987.49
-2200	-900	L22/-900	540433	5703479	4.75	13067659.68
-2200	-850	L22/-850	540453	5703524	8.04	4991312.07
-2200	-800	L22/-800	540474	5703570	11.36	6197559.65
-2200	-750	L22/-750	540495	5703615	12.39	11577748.07
-2200	-700	L22/-700	540516	5703661	12.74	12508915.32
-2200	-650	L22/-650	540537	5703706	16.30	11630384.40
-2200	-600	L22/-600	540557	5703752	18.73	8493836.24
-2200	-550	L22/-550	540578	5703797	34.07	363903.81
-2200	-500	L22/-500	540599	5703843	4.05	7590718.11
-2200	-450	L22/-450	540620	5703888	4.05	10575655.58
-2200	-400	L22/-400	540641	5703933	8.36	14325724.88
-2200	-350	L22/-350	540661	5703979	18.82	15425210.75
-2200	-300	L22/-300	540682	5704024	27.83	10464669.34
-2200	-250	L22/-250	540703	5704070	42.16	5850473.66
-2200	-200	L22/-200	540724	5704115	36.40	3248256.68
-2200	-150	L22/-150	540745	5704161	38.86	611522.63
-2200	-100	L22/-100	540765	5704206	34.34	27553.17
-2200	-50	L22/-50	540786	5704252	31.39	97810.97
-2200	0	L22/0	540807	5704297	10.34	464112.37

-2200	50	L22/50	540828	5704342	22.06	741889.23
-2200	100	L22/100	540849	5704388	12.82	1725435.27
-2200	150	L22/150	540869	5704433	8.83	3284198.18
-2200	200	L22/200	540890	5704479	9.17	5337272.45
-2200	250	L22/250	540911	5704524	11.49	6137145.85
-2200	300	L22/300	540932	5704570	11.05	8950832.59
-2200	350	L22/350	540953	5704615	18.31	11624166.32
-2200	400	L22/400	540973	5704661	13.82	12826185.82
-2200	450	L22/450	540994	5704706	10.20	10523356.82
-2200	500	L22/500	541015	5704752	10.21	6825017.31
-2200	550	L22/550	541036	5704797	12.61	5129626.93
-2200	600	L22/600	541057	5704842	16.55	6415595.60
-2200	650	L22/650	541077	5704888	29.35	756355.30
-2200	700	L22/700	541098	5704933	25.28	415241.69
-2200	750	L22/750	541119	5704979	23.99	46377.92
-2200	800	L22/800	541140	5705024	26.27	30441.92
-2200	850	L22/850	541161	5705070	26.13	10263.36
-2200	900	L22/900	541181	5705115	10.18	274574.28
-2200	950	L22/950	541202	5705161	16.95	580041.66
-2200	1000	L22/1000	541223	5705207	15.37	987315.13
-2400	-1700	L24/-1700	539918	5702835	9.86	221295.95
-2400	-1650	L24/-1650	539939	5702880	9.09	297354.54
-2400	-1600	L24/-1600	539959	5702926	11.42	836355.34
-2400	-1550	L24/-1550	539980	5702971	6.66	278080.75
-2400	-1500	L24/-1500	540001	5703016	5.81	89524.82
-2400	-1450	L24/-1450	540022	5703062	11.03	36839.24
-2400	-1400	L24/-1400	540043	5703107	7.03	113515.37
-2400	-1350	L24/-1350	540063	5703153	6.23	143314.46
-2400	-1300	L24/-1300	540084	5703198	6.74	176889.66
-2400	-1250	L24/-1250	540105	5703244	7.48	187744.05
-2400	-1200	L24/-1200	540126	5703289	7.37	152558.15
-2400	-1150	L24/-1150	540147	5703335	9.95	206834.04
-2400	-1100	L24/-1100	540167	5703380	4.80	1132075.16
-2400	-1050	L24/-1050	540188	5703426	5.17	866950.25
-2400	-1000	L24/-1000	540209	5703471	5.18	290610.53
-2400	-950	L24/-950	540230	5703516	1.56	271881.03
-2400	-900	L24/-900	540251	5703562	1.93	258454.23
-2400	-850	L24/-850	540271	5703607	2.56	374037.53
-2400	-800	L24/-800	540292	5703653	14.03	558455.71
-2400	-750	L24/-750	540313	5703698	16.54	483418.03
-2400	-700	L24/-700	540334	5703744	21.57	506382.57
-2400	-650	L24/-650	540355	5703789	32.02	297424.29
-2400	-600	L24/-600	540375	5703835	36.15	124058.31
-2400	-550	L24/-550	540396	5703880	27.83	284070.37
-2400	-500	L24/-500	540417	5703926	32.44	625378.06

-2400	-450	L24/-450	540438	5703971	39.33	871680.78
-2400	-400	L24/-400	540459	5704016	33.36	1135118.12
-2400	-350	L24/-350	540479	5704062	28.82	3468587.74
-2400	-300	L24/-300	540500	5704107	24.81	9751148.29
-2400	-250	L24/-250	540521	5704153	22.67	19972267.48
-2400	-200	L24/-200	540542	5704198	32.70	14721146.03
-2400	-150	L24/-150	540563	5704244	13.45	18250436.73
-2400	-100	L24/-100	540583	5704289	11.12	15886779.52
-2400	-50	L24/-50	540604	5704335	15.04	17781131.12
-2400	0	L24/0	540625	5704380	16.21	14276339.39
-2400	50	L24/50	540646	5704425	21.91	9407164.48
-2400	100	L24/100	540667	5704471	20.84	7007075.80
-2400	150	L24/150	540687	5704516	43.11	5770918.71
-2400	200	L24/200	540708	5704562	40.57	4514234.27
-2400	250	L24/250	540729	5704607	40.85	3220160.88
-2400	300	L24/300	540750	5704653	27.20	1741684.97
-2400	350	L24/350	540771	5704698	16.84	1266004.18
-2400	400	L24/400	540791	5704744	13.09	700572.66
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-2400	500	L24/500	540833	5704835	18.67	320239.86
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-2400	650	L24/650	540895	5704971	13.07	150467.84
-2400	700	L24/700	540916	5705016	10.05	299726.99
-2400	750	L24/750	540937	5705062	9.14	455409.16
-2400	800	L24/800	540958	5705107	16.95	839018.66
-2400	850	L24/850	540979	5705153	20.33	750646.09
-2400	900	L24/900	540999	5705198	27.53	1285165.04
-2400	950	L24/950	541020	5705244	33.05	2391168.18
-2400	1000	L24/1000	541041	5705289	19.17	4674910.53
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-2600	-1750	L26/-1750	539714	5702871	58.27	84598.98
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-2600	-1650	L26/-1650	539756	5702962	13.76	893505.17
-2600	-1600	L26/-1600	539776	5703008	8.81	1139682.35
-2600	-1550	L26/-1550	539797	5703053	8.15	1187229.67
-2600	-1500	L26/-1500	539818	5703099	6.03	1549685.62
-2600	-1450	L26/-1450	539839	5703144	6.06	1750430.31
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-2600	-1350	L26/-1350	539880	5703235	6.48	1938900.40
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-2600	-1200	L26/-1200	539943	5703371	6.28	2360015.59
-2600	-1150	L26/-1150	539964	5703417	3.13	2696140.66
-2600	-1100	L26/-1100	539984	5703462	6.53	220717.69

-2600	-1050	L26/-1050	540005	5703508	12.50	819439.03
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-2600	-950	L26/-950	540047	5703598	0.40	739051.85
-2600	-900	L26/-900	540068	5703644	-2.26	598501.83
-2600	-850	L26/-850	540088	5703689	-6.33	744109.28
-2600	-800	L26/-800	540109	5703735	2.99	160586.54
-2600	-750	L26/-750	540130	5703780	24.37	256442.11
-2600	-700	L26/-700	540151	5703826	33.89	311685.13
-2600	-650	L26/-650	540172	5703871	32.84	132565.94
-2600	-600	L26/-600	540192	5703917	34.60	176623.97
-2600	-550	L26/-550	540213	5703962	28.92	368844.30
-2600	-500	L26/-500	540234	5704008	30.19	148608.71
-2600	-450	L26/-450	540255	5704053	31.95	285152.11
-2600	-400	L26/-400	540276	5704098	9.48	173012.67
-2600	-350	L26/-350	540296	5704144	28.95	298018.33
-2600	-300	L26/-300	540317	5704189	27.99	309455.43
-2600	-250	L26/-250	540338	5704235	25.93	351824.14
-2600	-200	L26/-200	540359	5704280	29.35	334420.11
-2600	-150	L26/-150	540380	5704326	41.21	100684.09
-2600	-100	L26/-100	540400	5704371	49.58	152485.29
-2600	-50	L26/-50	540421	5704417	23.23	163660.06
-2600	0	L26/0	540442	5704462	32.55	580634.00
-2600	50	L26/50	540463	5704507	48.45	155773.60
-2600	100	L26/100	540484	5704553	22.06	204251.30
-2600	150	L26/150	540504	5704598	37.04	551568.51
-2600	200	L26/200	540525	5704644	44.40	741152.87
-2600	250	L26/250	540546	5704689	32.19	915727.29
-2600	300	L26/300	540567	5704735	28.14	1489994.04
-2600	350	L26/350	540588	5704780	24.73	2619980.78
-2600	400	L26/400	540608	5704826	9.97	5123427.93
-2600	450	L26/450	540629	5704871	8.38	8516908.14
-2600	500	L26/500	540650	5704917	7.79	11113761.88
-2600	550	L26/550	540671	5704962	9.18	9266505.03
-2600	600	L26/600	540692	5705007	12.48	4266936.93
-2600	650	L26/650	540712	5705053	8.71	1443180.13
-2600	700	L26/700	540733	5705098	4.60	1188188.04
-2600	750	L26/750	540754	5705144	10.95	811500.76
-2600	800	L26/800	540775	5705189	19.82	990458.15
-2600	850	L26/850	540796	5705235	17.46	851284.67
-2600	900	L26/900	540816	5705280	15.63	72123.35
-2600	950	L26/950	540837	5705326	7.96	17724.28
-2600	1000	L26/1000	540858	5705371	5.24	23185.25
-2800	-1800	L28/-1800	539511	5702909	2.69	131749.74
-2800	-1750	L28/-1750	539532	5702954	6.58	142494.68
-2800	-1700	L28/-1700	539553	5703000	16.79	34817.22

-2800	-1650	L28/-1650	539574	5703045	4.79	127498.79
-2800	-1600	L28/-1600	539594	5703091	5.96	137888.35
-2800	-1550	L28/-1550	539615	5703136	5.66	125438.15
-2800	-1500	L28/-1500	539636	5703181	3.08	69000.75
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-2800	-1000	L28/-1000	539844	5703636	1.14	933645.08
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-2800	-900	L28/-900	539886	5703727	0.43	423036.98
-2800	-850	L28/-850	539906	5703772	9.74	117937.58
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-2800	-50	L28/-50	540239	5704500	19.29	21104.66
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-2800	100	L28/100	540302	5704636	20.75	131366.05
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-2800	800	L28/800	540593	5705272	15.50	19755748.61
-2800	850	L28/850	540614	5705318	18.06	10861753.76
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-2800	950	L28/950	540655	5705409	10.89	6142257.18
-2800	1000	L28/1000	540676	5705454	2.93	4817324.84
-3000	-1500	L30/-1500	539454	5703265	-1.63	315995.89
-3000	-1450	L30/-1450	539475	5703310	-3.74	211736.66
-3000	-1400	L30/-1400	539496	5703355	0.56	76565.23
-3000	-1350	L30/-1350	539516	5703401	6.72	1999047.21
-3000	-1300	L30/-1300	539537	5703446	8.93	800167.36
-3000	-1250	L30/-1250	539558	5703492	-0.71	310668.65
-3000	-1200	L30/-1200	539579	5703537	15.66	743873.61
-3000	-1150	L30/-1150	539600	5703583	8.71	1464579.15
-3000	-1100	L30/-1100	539620	5703628	5.63	749486.95
-3000	-1050	L30/-1050	539641	5703674	3.98	872472.32
-3000	-1000	L30/-1000	539662	5703719	2.66	190544.50
-3000	-950	L30/-950	539683	5703764	-0.58	258710.81
-3000	-900	L30/-900	539704	5703810	4.31	414975.00
-3000	-850	L30/-850	539724	5703855	6.03	489777.68
-3000	-800	L30/-800	539745	5703901	22.62	28578.03
-3000	-750	L30/-750	539766	5703946	18.94	38361.85
-3000	-700	L30/-700	539787	5703992	12.79	18582.00
-3000	-650	L30/-650	539808	5704037	16.96	31218.15
-3000	-600	L30/-600	539828	5704083	18.03	71777.70
-3000	-550	L30/-550	539849	5704128	22.57	153291.74
-3000	-500	L30/-500	539870	5704174	24.28	58220.60
-3000	-450	L30/-450	539891	5704219	23.40	45570.33
-3000	-400	L30/-400	539912	5704264	24.90	57041.77
-3000	-350	L30/-350	539932	5704310	25.40	46757.42
-3000	-300	L30/-300	539953	5704355	34.89	29271.61
-3000	-250	L30/-250	539974	5704401	61.80	29301.04
-3000	-200	L30/-200	539995	5704446	71.95	82109.39
-3000	-150	L30/-150	540016	5704492	35.24	245888.98
-3000	-100	L30/-100	540036	5704537	23.74	250746.44
-3000	-50	L30/-50	540057	5704583	24.79	80411.23
-3000	0	L30/0	540078	5704628	30.74	102026.49
-3000	50	L30/50	540099	5704673	24.81	184947.96
-3000	100	L30/100	540120	5704719	21.15	278845.76
-3000	150	L30/150	540140	5704764	20.00	433309.78
-3000	200	L30/200	540161	5704810	15.31	100484.66
-3000	250	L30/250	540182	5704855	12.53	744661.48

-3000	300	L30/300	540203	5704901	14.30	1039340.13
-3000	350	L30/350	540224	5704946	22.52	1266513.95
-3000	400	L30/400	540244	5704992	20.12	4228702.19
-3000	450	L30/450	540265	5705037	17.12	6240067.94
-3000	500	L30/500	540286	5705083	19.18	4212451.37
-3000	550	L30/550	540307	5705128	17.97	2934218.76
-3000	600	L30/600	540328	5705173	11.84	1878094.21
-3000	650	L30/650	540348	5705219	17.62	2237801.74
-3000	700	L30/700	540369	5705264	16.44	2179277.39
-3000	750	L30/750	540390	5705310	17.96	3147806.20
-3000	800	L30/800	540411	5705355	18.37	5355480.33
-3000	850	L30/850	540432	5705401	20.58	12962560.61
-3000	900	L30/900	540452	5705446	27.90	10302605.46
-3000	950	L30/950	540473	5705492	20.50	12210680.59
-3000	1000	L30/1000	540494	5705537	24.37	9234425.99
-3200	-1550	L32/-1550	539251	5703302	10.79	7516292.06
-3200	-1500	L32/-1500	539272	5703348	8.22	8742294.81
-3200	-1450	L32/-1450	539293	5703393	8.35	9319750.30
-3200	-1400	L32/-1400	539314	5703438	10.05	11056180.99
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-3200	-1300	L32/-1300	539355	5703529	9.47	1839766.68
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-3200	-1200	L32/-1200	539397	5703620	5.65	518707.35
-3200	-1150	L32/-1150	539418	5703666	9.00	615505.29
-3200	-1100	L32/-1100	539438	5703711	5.61	622328.28
-3200	-1050	L32/-1050	539459	5703757	24.25	510959.93
-3200	-1000	L32/-1000	539480	5703802	19.65	573347.39
-3200	-950	L32/-950	539501	5703847	16.24	212528.80
-3200	-900	L32/-900	539522	5703893	13.13	193114.27
-3200	-850	L32/-850	539542	5703938	20.96	75678.42
-3200	-800	L32/-800	539563	5703984	15.66	46037.99
-3200	-750	L32/-750	539584	5704029	20.28	98124.89
-3200	-700	L32/-700	539605	5704075	22.89	108979.63
-3200	-650	L32/-650	539626	5704120	20.67	546443.17
-3200	-600	L32/-600	539646	5704166	21.66	352788.99
-3200	-550	L32/-550	539667	5704211	27.95	562407.93
-3200	-500	L32/-500	539688	5704257	27.81	842306.50
-3200	-450	L32/-450	539709	5704302	24.43	740894.35
-3200	-400	L32/-400	539730	5704347	29.91	975694.41
-3200	-350	L32/-350	539750	5704393	31.37	695692.44
-3200	-300	L32/-300	539771	5704438	31.39	920485.97
-3200	-250	L32/-250	539792	5704484	37.23	1169480.10
-3200	-200	L32/-200	539813	5704529	41.68	973262.89
-3200	-150	L32/-150	539834	5704575	36.36	419023.83
-3200	-100	L32/-100	539854	5704620	37.04	947333.61

-3200	-50	L32/-50	539875	5704666	34.37	780411.11
-3200	0	L32/0	539896	5704711	24.12	156082.22
-3200	50	L32/50	539917	5704756	26.96	612866.46
-3200	100	L32/100	539938	5704802	37.49	492448.71
-3200	150	L32/150	539958	5704847	36.92	705020.75
-3200	200	L32/200	539979	5704893	39.33	1852160.79
-3200	250	L32/250	540000	5704938	44.30	1035044.30
-3200	300	L32/300	540021	5704984	41.11	1333263.78
-3200	350	L32/350	540042	5705029	35.95	2987038.09
-3200	400	L32/400	540062	5705075	33.37	4081582.40
-3200	450	L32/450	540083	5705120	23.21	11601608.27
-3200	500	L32/500	540104	5705166	24.92	9699126.46
-3200	550	L32/550	540125	5705211	11.94	2853686.65
-3200	600	L32/600	540146	5705256	27.92	1054148.93
-3200	650	L32/650	540166	5705302	21.23	855506.52
-3200	700	L32/700	540187	5705347	13.31	388237.32
-3200	750	L32/750	540208	5705393	17.13	668560.55
-3200	800	L32/800	540229	5705438	23.28	932522.08
-3200	850	L32/850	540250	5705484	18.41	1522792.15
-3200	900	L32/900	540270	5705529	16.93	1298570.43
-3200	950	L32/950	540291	5705575	9.27	13185520.98
-3200	1000	L32/1000	540312	5705620	15.60	10534512.38
-3400	-1650	L34/-1650	539028	5703294	19.86	14454179.26
-3400	-1600	L34/-1600	539048	5703340	19.18	14941946.08
-3400	-1550	L34/-1550	539069	5703385	18.42	8742578.93
-3400	-1500	L34/-1500	539090	5703431	20.26	5743503.56
-3400	-1450	L34/-1450	539111	5703476	18.79	4126683.41
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-3400	-1350	L34/-1350	539152	5703567	16.43	1058626.69
-3400	-1300	L34/-1300	539173	5703612	19.32	5510018.04
-3400	-1250	L34/-1250	539194	5703658	9.39	985926.57
-3400	-1200	L34/-1200	539215	5703703	7.06	461691.30
-3400	-1150	L34/-1150	539236	5703749	24.05	717300.77
-3400	-1100	L34/-1100	539256	5703794	21.44	678111.48
-3400	-1050	L34/-1050	539277	5703840	22.05	204611.65
-3400	-1000	L34/-1000	539298	5703885	23.95	83733.90
-3400	-950	L34/-950	539319	5703930	19.68	93724.48
-3400	-900	L34/-900	539340	5703976	12.32	140378.00
-3400	-850	L34/-850	539360	5704021	18.24	310333.93
-3400	-800	L34/-800	539381	5704067	17.72	959493.13
-3400	-750	L34/-750	539402	5704112	14.69	739499.82
-3400	-700	L34/-700	539423	5704158	12.03	595177.89
-3400	-650	L34/-650	539444	5704203	26.25	810027.45
-3400	-600	L34/-600	539464	5704249	16.53	220845.77
-3400	-550	L34/-550	539485	5704294	22.88	361526.73

-3400	-500	L34/-500	539506	5704340	28.87	154318.62
-3400	-450	L34/-450	539527	5704385	14.64	121875.10
-3400	-400	L34/-400	539548	5704430	2.57	37421.99
-3400	-350	L34/-350	539568	5704476	14.55	97075.88
-3400	-300	L34/-300	539589	5704521	-1.79	150920.10
-3400	-250	L34/-250	539610	5704567	0.40	504353.35
-3400	-200	L34/-200	539631	5704612	-3.88	537961.69
-3400	-150	L34/-150	539652	5704658	12.84	1125363.24
-3400	-100	L34/-100	539672	5704703	15.34	5025771.13
-3400	-50	L34/-50	539693	5704749	5.75	4096416.31
-3400	0	L34/0	539714	5704794	13.12	8028206.25
-3400	50	L34/50	539735	5704839	19.86	10271023.55
-3400	100	L34/100	539756	5704885	28.01	11766013.23
-3400	150	L34/150	539776	5704930	22.90	7332472.42
-3400	200	L34/200	539797	5704976	19.49	3063514.56
-3400	250	L34/250	539818	5705021	24.06	2279267.46
-3400	300	L34/300	539839	5705067	23.71	2414961.12
-3400	350	L34/350	539860	5705112	17.96	1898590.77
-3400	400	L34/400	539880	5705158	13.78	2354053.78
-3400	450	L34/450	539901	5705203	16.71	4245322.52
-3400	500	L34/500	539922	5705249	10.94	926926.40
-3400	550	L34/550	539943	5705294	17.84	343098.78
-3400	600	L34/600	539964	5705339	17.16	684217.03
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-3400	700	L34/700	540005	5705430	8.44	279855.91
-3400	750	L34/750	540026	5705476	8.20	136420.65
-3400	800	L34/800	540047	5705521	9.03	441121.76
-3400	850	L34/850	540068	5705567	6.00	144421.20
-3400	900	L34/900	540088	5705612	7.18	314091.62
-3400	950	L34/950	540109	5705658	8.83	212228.76
-3400	1000	L34/1000	540130	5705703	6.12	96358.85
-3600	-1750	L36/-1750	538803	5703285	31.91	358130.81
-3600	-1700	L36/-1700	538824	5703331	30.91	668474.93
-3600	-1650	L36/-1650	538845	5703376	30.30	453176.32
-3600	-1600	L36/-1600	538865	5703422	24.10	1310360.25
-3600	-1550	L36/-1550	538886	5703467	19.61	2586081.16
-3600	-1500	L36/-1500	538907	5703513	9.90	3051237.60
-3600	-1450	L36/-1450	538928	5703558	8.01	6113211.18
-3600	-1400	L36/-1400	538949	5703603	10.29	5297306.34
-3600	-1350	L36/-1350	538969	5703649	6.58	2843072.18
-3600	-1300	L36/-1300	538990	5703694	28.54	1127511.57
-3600	-1250	L36/-1250	539011	5703740	1.87	1595538.67
-3600	-1200	L36/-1200	539032	5703785	1.72	1029930.45
-3600	-1150	L36/-1150	539053	5703831	6.39	751519.00
-3600	-1100	L36/-1100	539073	5703876	7.46	558530.81

-3600	-1050	L36/-1050	539094	5703922	5.51	167573.07
-3600	-1000	L36/-1000	539115	5703967	6.31	85368.48
-3600	-950	L36/-950	539136	5704012	9.41	95254.90
-3600	-900	L36/-900	539157	5704058	15.36	594337.33
-3600	-850	L36/-850	539177	5704103	25.37	1062921.50
-3600	-800	L36/-800	539198	5704149	13.85	4397878.63
-3600	-750	L36/-750	539219	5704194	21.99	6899889.10
-3600	-700	L36/-700	539240	5704240	20.91	9420578.59
-3600	-650	L36/-650	539261	5704285	23.48	10350305.42
-3600	-600	L36/-600	539281	5704331	22.00	10373959.18
-3600	-550	L36/-550	539302	5704376	27.63	8407485.80
-3600	-500	L36/-500	539323	5704422	23.07	9091684.59
-3600	-450	L36/-450	539344	5704467	45.91	2918532.92
-3600	-400	L36/-400	539365	5704512	35.34	1132108.15
-3600	-350	L36/-350	539385	5704558	23.22	5583467.15
-3600	-300	L36/-300	539406	5704603	49.59	3012443.33
-3600	-250	L36/-250	539427	5704649	26.14	4250873.00
-3600	-200	L36/-200	539448	5704694	21.31	5962366.93
-3600	-150	L36/-150	539469	5704740	12.98	7884509.34
-3600	-100	L36/-100	539489	5704785	16.40	7140030.34
-3600	-50	L36/-50	539510	5704831	12.19	9019514.24
-3600	0	L36/0	539531	5704876	3.25	7668765.64
-3600	50	L36/50	539552	5704921	17.11	1405503.31
-3600	100	L36/100	539573	5704967	13.17	2126739.22
-3600	150	L36/150	539593	5705012	9.24	480143.44
-3600	200	L36/200	539614	5705058	6.01	472154.30
-3600	250	L36/250	539635	5705103	12.03	737391.11
-3600	300	L36/300	539656	5705149	41.91	445223.91
-3600	350	L36/350	539677	5705194	13.50	2443333.55
-3600	400	L36/400	539697	5705240	29.70	3115994.11
-3600	450	L36/450	539718	5705285	14.68	6277615.70
-3600	500	L36/500	539739	5705331	22.78	8896914.88
-3600	550	L36/550	539760	5705376	14.53	18792460.66
-3600	600	L36/600	539781	5705421	23.83	6967626.60
-3600	650	L36/650	539801	5705467	15.47	1069298.85
-3600	700	L36/700	539822	5705512	8.11	120524.85
-3600	750	L36/750	539843	5705558	23.67	511018.68
-3600	800	L36/800	539864	5705603	11.76	498837.61
-3600	850	L36/850	539885	5705649	4.58	651942.82
-3600	900	L36/900	539905	5705694	7.42	1094935.73
-3600	950	L36/950	539926	5705740	5.74	976343.56
-3600	1000	L36/1000	539947	5705785	1.59	460169.31
-3800	-1700	L38/-1700	538642	5703414	25.16	91006.30
-3800	-1650	L38/-1650	538663	5703459	34.34	79890.19
-3800	-1600	L38/-1600	538683	5703505	35.83	182559.59

-3800	-1550	L38/-1550	538704	5703550	15.59	592599.31
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-3800	-1450	L38/-1450	538746	5703641	9.73	1285804.30
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-3800	-1350	L38/-1350	538787	5703732	10.23	1792731.28
-3800	-1300	L38/-1300	538808	5703777	11.12	4280788.54
-3800	-1250	L38/-1250	538829	5703823	7.73	3869162.85
-3800	-1200	L38/-1200	538850	5703868	1.36	922495.00
-3800	-1150	L38/-1150	538871	5703914	0.82	494136.84
-3800	-1100	L38/-1100	538891	5703959	5.15	282844.04
-3800	-1050	L38/-1050	538912	5704005	10.41	597747.42
-3800	-1000	L38/-1000	538933	5704050	13.53	5515427.30
-3800	-950	L38/-950	538954	5704095	7.26	6843647.10
-3800	-900	L38/-900	538975	5704141	13.30	9120626.54
-3800	-850	L38/-850	538995	5704186	18.00	12289606.69
-3800	-800	L38/-800	539016	5704232	20.21	17923288.88
-3800	-750	L38/-750	539037	5704277	18.69	20114075.10
-3800	-700	L38/-700	539058	5704323	19.80	14120459.67
-3800	-650	L38/-650	539079	5704368	21.83	6394468.20
-3800	-600	L38/-600	539099	5704414	19.68	4544731.13
-3800	-550	L38/-550	539120	5704459	19.57	2506862.34
-3800	-500	L38/-500	539141	5704505	24.32	3594935.99
-3800	-450	L38/-450	539162	5704550	19.16	3982756.63
-3800	-400	L38/-400	539183	5704595	10.37	6326924.05
-3800	-350	L38/-350	539203	5704641	27.32	3548438.75
-3800	-300	L38/-300	539224	5704686	39.04	2208014.04
-3800	-250	L38/-250	539245	5704732	36.48	6315692.30
-3800	-200	L38/-200	539266	5704777	25.42	9104072.20
-3800	-150	L38/-150	539287	5704823	8.47	16074311.85
-3800	-100	L38/-100	539307	5704868	25.44	13852773.49
-3800	-50	L38/-50	539328	5704914	26.25	9100456.68
-3800	0	L38/0	539349	5704959	25.94	3474706.08
-3800	50	L38/50	539370	5705004	28.25	3522452.82
-3800	100	L38/100	539391	5705050	25.53	4563169.49
-3800	150	L38/150	539411	5705095	12.43	3624161.44
-3800	200	L38/200	539432	5705141	14.98	3314249.59
-3800	250	L38/250	539453	5705186	16.17	4585529.53
-3800	300	L38/300	539474	5705232	18.82	9053680.34
-3800	350	L38/350	539495	5705277	15.54	12766214.07
-3800	400	L38/400	539515	5705323	9.06	17992254.56
-3800	450	L38/450	539536	5705368	8.64	10807986.55
-3800	500	L38/500	539557	5705414	8.43	9524227.71
-3800	550	L38/550	539578	5705459	9.16	9388744.50
-3800	600	L38/600	539599	5705504	17.94	11388579.77
-3800	650	L38/650	539619	5705550	18.83	6951628.83

-3800	700	L38/700	539640	5705595	27.87	19425563.46
-3800	750	L38/750	539661	5705641	17.12	5995770.06
-3800	800	L38/800	539682	5705686	7.41	7255208.89
-3800	850	L38/850	539703	5705732	1.91	10251420.17
-3800	900	L38/900	539723	5705777	-0.22	8201428.67
-3800	950	L38/950	539744	5705823	3.99	7870057.10
-3800	1000	L38/1000	539765	5705868	8.03	1980934.95
-4000	-1300	L40/-1300	538626	5703860	15.42	2487251.86
-4000	-1250	L40/-1250	538647	5703906	16.50	5181207.63
-4000	-1200	L40/-1200	538668	5703951	9.31	8021668.46
-4000	-1150	L40/-1150	538689	5703997	6.11	11152389.04
-4000	-1100	L40/-1100	538709	5704042	7.51	7373643.82
-4000	-1050	L40/-1050	538730	5704088	5.22	9076555.59
-4000	-1000	L40/-1000	538751	5704133	6.72	12773841.36
-4000	-950	L40/-950	538772	5704178	7.82	3044385.82
-4000	-900	L40/-900	538793	5704224	4.33	9082991.85
-4000	-850	L40/-850	538813	5704269	3.34	4128457.19
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-4000	-750	L40/-750	538855	5704360	16.24	4414978.65
-4000	-700	L40/-700	538876	5704406	14.27	6135597.79
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-4000	-150	L40/-150	539105	5704906	30.47	327771.00
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-4000	350	L40/350	539313	5705360	35.62	13500411.03
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-4000	550	L40/550	539396	5705542	2.11	2603509.09

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-4200	-550	L42/-550	538754	5704630	2.85	1311215.36
-4200	-500	L42/-500	538775	5704675	29.86	4130562.69
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-4200	-150	L42/-150	538922	5704990	52.04	1200230.68
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-4400	-800	L44/-800	538467	5704488	13.56	8343755.93
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-4400	-650	L44/-650	538530	5704623	27.35	7365740.94
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-4400	-450	L44/-450	538614	5704803	25.16	988611.74
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-4400	-300	L44/-300	538677	5704938	36.61	87216.68
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-4400	-150	L44/-150	538740	5705073	34.20	23019.50
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-4400	-50	L44/-50	538782	5705163	35.34	75771.13
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-4600	-850	L46/-850	538263	5704525	45.51	1132108.15
-4600	-800	L46/-800	538284	5704570	46.39	3012443.33
-4600	-750	L46/-750	538305	5704615	7.87	5962366.93
-4600	-700	L46/-700	538326	5704660	6.58	4760020.23
-4600	-650	L46/-650	538347	5704705	8.01	2112510.43
-4600	-600	L46/-600	538368	5704750	13.17	917826.14
-4600	-550	L46/-550	538389	5704795	26.01	14430.86
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-4600	-450	L46/-450	538431	5704885	29.70	115994.11
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-4600	-350	L46/-350	538473	5704975	13.83	6967626.60
-4600	-300	L46/-300	538494	5705020	20.11	7120524.85
-4600	-250	L46/-250	538515	5705065	21.76	2498837.61
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-4800	-550	L48/-550	538207	5704878	11.68	3402320.00
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-5000	-750	L50/-750	537941	5704781	23.63	10695888.24
-5000	-700	L50/-700	537962	5704826	24.58	15835872.46

-5000	-650	L50/-650	537983	5704871	6.14	8467565.38
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-5000	850	L50/850	538613	5706221	16.53	120845.77
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-5200	250	L52/250	538179	5705764	22.72	580305.29
-5200	300	L52/300	538200	5705809	22.31	833194.02
-5200	350	L52/350	538221	5705854	26.25	1421958.76
-5200	400	L52/400	538242	5705899	8.33	4662431.05
-5200	450	L52/450	538263	5705944	6.65	8012131.62
-5200	500	L52/500	538284	5705989	-0.38	5470754.83
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-5200	750	L52/750	538389	5706214	33.62	4055350.64
-5200	800	L52/800	538410	5706259	30.17	3933435.04
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-5200	900	L52/900	538452	5706349	58.64	12655554.92
-5200	950	L52/950	538473	5706394	29.69	7475529.06
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-5400	-850	L54/-850	537535	5704857	12.09	353309.91
-5400	-800	L54/-800	537556	5704902	10.15	291479.00
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-5400	-650	L54/-650	537619	5705037	16.86	73021.79
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-5400	-450	L54/-450	537703	5705217	23.77	938793.01
-5400	-400	L54/-400	537724	5705262	20.53	763634.94
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-5400	-300	L54/-300	537766	5705352	21.26	1147726.18

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-5400	-100	L54/-100	537850	5705532	20.25	1401605.62
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-5400	50	L54/50	537913	5705667	27.80	588378.83
-5400	100	L54/100	537934	5705712	29.92	678860.38
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-5400	200	L54/200	537976	5705802	30.29	833895.03
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-5400	350	L54/350	538039	5705937	3.32	8887384.73
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-5400	450	L54/450	538081	5706027	8.62	18489374.40
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-5400	550	L54/550	538123	5706117	11.95	10995410.90
-5400	600	L54/600	538144	5706162	22.66	8167226.20
-5400	650	L54/650	538165	5706207	17.12	4986581.90
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-5400	950	L54/950	538291	5706477	33.08	1598599.00
-5400	1000	L54/1000	538312	5706522	39.13	2365638.45
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-5600	-950	L56/-950	537310	5704849	9.76	3176185.73
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-5600	-850	L56/-850	537352	5704939	9.86	2464979.49
-5600	-800	L56/-800	537373	5704984	10.16	1709792.41
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-5600	-700	L56/-700	537415	5705074	15.42	1118239.97
-5600	-650	L56/-650	537436	5705119	14.15	3709786.94
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-5600	-550	L56/-550	537478	5705209	18.50	4749339.12
-5600	-500	L56/-500	537499	5705254	20.63	2572824.11
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-5600	-400	L56/-400	537541	5705344	21.39	301793.47
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-5600	-300	L56/-300	537583	5705434	25.88	116640.70
-5600	-250	L56/-250	537604	5705479	24.51	49213.02
-5600	-200	L56/-200	537625	5705524	27.34	18049.47
-5600	-150	L56/-150	537646	5705569	26.67	83305.06
-5600	-100	L56/-100	537667	5705614	30.49	105065.25

-5600	-50	L56/-50	537688	5705659	28.86	215039.22
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-5600	50	L56/50	537730	5705749	34.29	388699.37
-5600	100	L56/100	537751	5705794	6.86	406742.05
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-5600	200	L56/200	537793	5705884	-1.37	1052051.13
-5600	250	L56/250	537814	5705929	-2.02	2114786.69
-5600	300	L56/300	537835	5705974	-2.50	3940465.46
-5600	350	L56/350	537856	5706019	-0.55	3231336.48
-5600	400	L56/400	537877	5706064	0.92	7736192.45
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-5600	600	L56/600	537961	5706244	20.04	9616534.15
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-5800	-950	L58/-950	537128	5704932	10.36	10763504.51
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-5800	-800	L58/-800	537191	5705067	17.71	1127727.64
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-5800	-400	L58/-400	537359	5705427	17.48	791722.49
-5800	-350	L58/-350	537380	5705472	20.26	136491.81
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-5800	-150	L58/-150	537464	5705652	17.74	1042401.44
-5800	-100	L58/-100	537485	5705697	20.25	2380856.54
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-5800	500	L58/500	537737	5706237	20.33	7236042.12
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-6000	-250	L60/-250	537240	5705645	11.64	3087723.53
-6000	-200	L60/-200	537261	5705690	10.38	4439218.22
-6000	-150	L60/-150	537282	5705735	9.31	2658788.83
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-6000	-50	L60/-50	537324	5705825	10.14	4355945.77
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-6200	-550	L62/-550	536932	5705458	19.59	11774439.34
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-6200	-150	L62/-150	537100	5705818	15.99	359401.43
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-6200	-50	L62/-50	537142	5705908	16.32	4174331.86
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-6200	400	L62/400	537331	5706313	56.74	1771713.71
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-6600	-850	L66/-850	536441	5705353	17.90	8872131.10
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-6600	-400	L66/-400	536630	5705758	25.16	22308.14
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-6600	-250	L66/-250	536693	5705893	3.08	355830.25
-6600	-200	L66/-200	536714	5705938	-4.79	591520.37
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-6600	-50	L66/-50	536777	5706073	0.55	1045427.32
-6600	0	L66/0	536798	5706118	-2.67	1502199.43
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-6600	300	L66/300	536924	5706388	37.17	3868259.54
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-7000	-500	L70/-500	536224	5705834	33.29	7101623.41
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-7000	1000	L70/1000	536854	5707184	-1.93	141218.50
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-7200	-950	L72/-950	535853	5705512	26.47	392078.60
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-7200	-850	L72/-850	535895	5705602	15.74	1914648.38
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-7200	-350	L72/-350	536105	5706052	27.40	804092.13
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-7200	-250	L72/-250	536147	5706142	15.39	578065.62
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-7200	700	L72/700	536546	5706997	17.97	866436.17
-7200	750	L72/750	536567	5707042	27.20	95358.63
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-7200	850	L72/850	536609	5707132	23.02	73457.75
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-7200	1000	L72/1000	536672	5707267	17.65	43296.24
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-7400	-900	L74/-900	535692	5705640	17.60	2936726.15
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-7800	400	L78/400	535873	5706975	15.69	4113339.85
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-7800	550	L78/550	535936	5707110	47.39	2093659.80
-7800	600	L78/600	535957	5707155	32.29	1410771.20
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-7800	700	L78/700	535999	5707245	24.29	745195.42
-7800	750	L78/750	536020	5707290	24.42	645773.63
-7800	800	L78/800	536041	5707335	23.45	202026.22
-7800	850	L78/850	536062	5707380	21.97	178677.08
-7800	900	L78/900	536083	5707425	20.78	73037.14
-7800	950	L78/950	536104	5707470	16.22	89455.43
-7800	1000	L78/1000	536125	5707515	20.19	29948.83
-8000	-1000	L80/-1000	535103	5705798	12.61	33778.24
-8000	-950	L80/-950	535124	5705843	17.39	94967.83
-8000	-900	L80/-900	535145	5705888	21.30	109976.40
-8000	-850	L80/-850	535166	5705933	25.03	319337.50
-8000	-800	L80/-800	535187	5705978	27.50	805851.96
-8000	-750	L80/-750	535208	5706023	22.45	1004162.56
-8000	-700	L80/-700	535229	5706068	16.04	1894952.07
-8000	-650	L80/-650	535250	5706113	14.70	4038448.52
-8000	-600	L80/-600	535271	5706158	14.02	3600730.58
-8000	-550	L80/-550	535292	5706203	12.79	2606196.20
-8000	-500	L80/-500	535313	5706248	15.37	1981674.07
-8000	-450	L80/-450	535334	5706293	14.37	933704.80
-8000	-400	L80/-400	535355	5706338	14.44	1572673.51
-8000	-350	L80/-350	535376	5706383	15.19	3493736.51
-8000	-300	L80/-300	535397	5706428	16.12	5442661.28
-8000	-250	L80/-250	535418	5706473	16.46	8116788.17
-8000	-200	L80/-200	535439	5706518	16.18	14446459.84
-8000	-150	L80/-150	535460	5706563	26.04	16623853.46
-8000	-100	L80/-100	535481	5706608	25.44	5046734.46
-8000	-50	L80/-50	535502	5706653	26.10	2660110.17
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-8000	250	L80/250	535628	5706923
-8000	300	L80/300	535649	5706968
-8000	350	L80/350	535670	5707013
-8000	400	L80/400	535691	5707058
-8000	450	L80/450	535712	5707103
-8000	500	L80/500	535733	5707148
-8000	550	L80/550	535754	5707193
-8000	600	L80/600	535775	5707238
-8000	650	L80/650	535796	5707283
-8000	700	L80/700	535817	5707328
-8000	750	L80/750	535838	5707373
-8000	800	L80/800	535859	5707418
-8000	850	L80/850	535880	5707463
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-8000	950	L80/950	535922	5707553
-8000	1000	L80/1000	535943	5707598
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-8200	-900	L82/-900	534963	5705971
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-8200	-500	L82/-500	535131	5706331
-8200	-450	L82/-450	535152	5706376
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-8200	-350	L82/-350	535194	5706466
-8200	-300	L82/-300	535215	5706511
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-8600	950	L86/950	535375	5707801
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-9000	-50	L90/-50	534591	5707067
-9000	0	L90/0	534612	5707112
-9000	50	L90/50	534633	5707157
-9000	100	L90/100	534654	5707202
-9000	150	L90/150	534675	5707247
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-9000	250	L90/250	534717	5707337
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-9000	400	L90/400	534780	5707472
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-9000	550	L90/550	534843	5707607
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-9000	700	L90/700	534906	5707742
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-9000	800	L90/800	534948	5707832
-9000	850	L90/850	534969	5707877
-9000	900	L90/900	534990	5707922
-9000	950	L90/950	535011	5707967
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-9200	-750	L92/-750	534115	5706520
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-9200	0	L92/0	534430	5707195
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-9200	100	L92/100	534472	5707285
-9200	150	L92/150	534493	5707330
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-9200	750	L92/750	534745	5707870
-9200	800	L92/800	534766	5707915
-9200	850	L92/850	534787	5707960
-9200	900	L92/900	534808	5708005
-9200	950	L92/950	534829	5708050
-9200	1000	L92/1000	534850	5708095

APPENDIX D
Geophysical interpretation

Notes on a Gradient Array IP Survey carried out on the North Birch Project for Newrange Gold Corp.

1. Introduction

The target is gold in a greenstone belt. From a geophysical standpoint it is a difficult target because the quartz veins are generally narrow and the typically enclosing carbonate alteration does not result in a marked physical contrast we can map. High resolution magnetics is the most useful geophysical dataset, helping with interpretation of structure and zones of demagnetization potentially due to alteration or sulphidation of magnetite.

The gradient array IP method maps resistivity and chargeability variations near to surface. In areas where the overburden is thick (>50m), or conductive (clay-rich), it is likely that the responses are from the overburden and not the underlying bedrock. In many cases the anomaly maps correspond well to overburden thickness maps. It is recommended that overburden thickness maps be obtained and overlain on the IP maps to define which anomalies may relate more to overburden than to underlying bedrock.

As a first step in determining which IP features may be due to overburden, resistivity and chargeability maps have been compared with Google satellite images to look for correlation with clay in lake-bottoms and in drainages.

After comparing the magnetic and IP data I discuss a few specific targets.

2. Comparison with Topographic Features

Structural control on topography is evident when magnetic data is overlaid on topography (Figure 2.1). The shape and orientation of lakes in the western part of the property are sub-parallel to the trends mapped by the magnetic units.

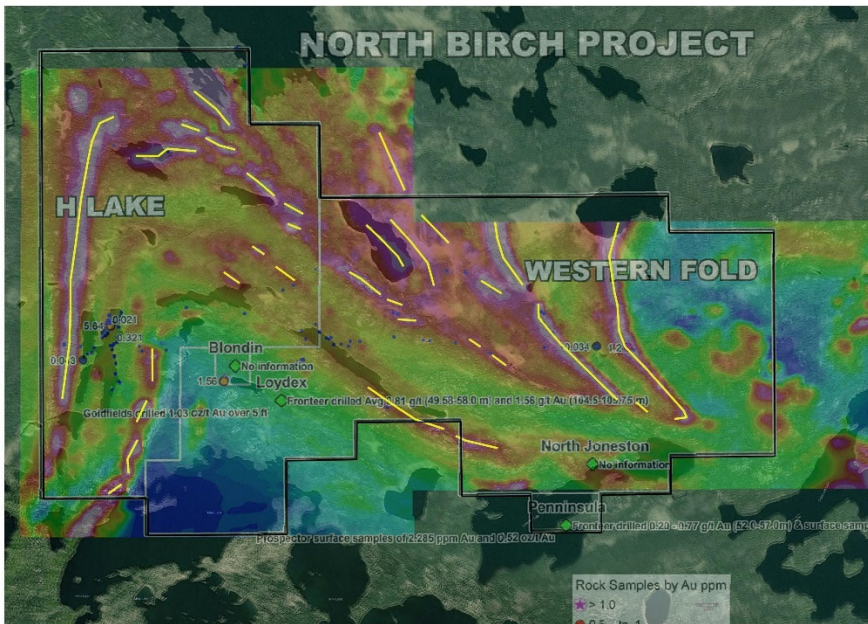


Figure 2.1 Aeromagnetic data overlaid on Google satellite image. Highs have been annotated to facilitate comparison with other data layers. Lakes align with features in the data, suggesting a structural control on topography.

There is no apparent correlation between either the resistivity (Figure 2.2) or chargeability (Figure 2.3) features and the lake locations. This would suggest that the IP responses are not strongly influenced by recent sediment accumulations.

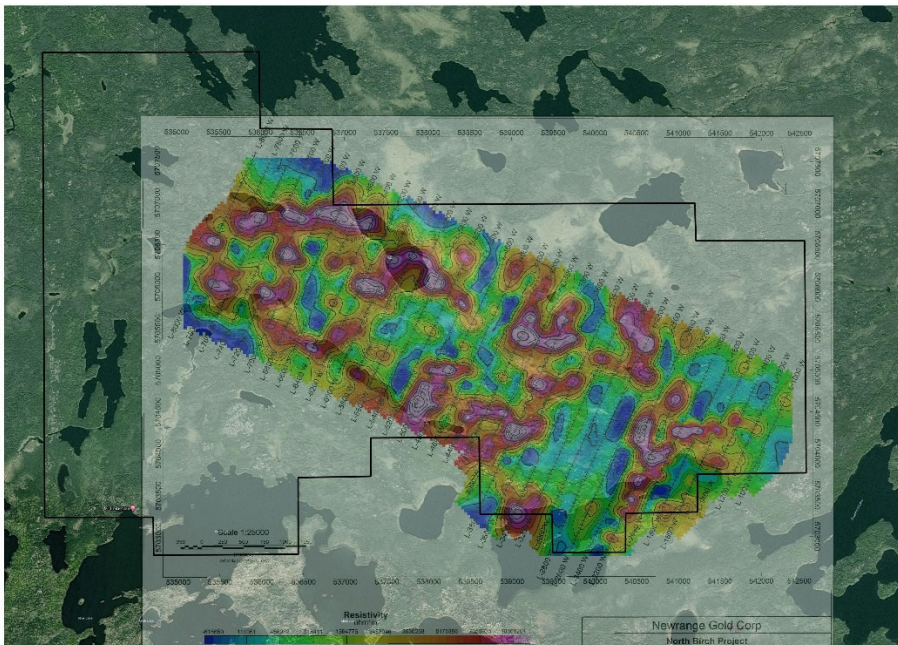


Figure 2.2 Resistivity map over Google satellite image. Lake outlines do not correlate with features in the resistivity data.

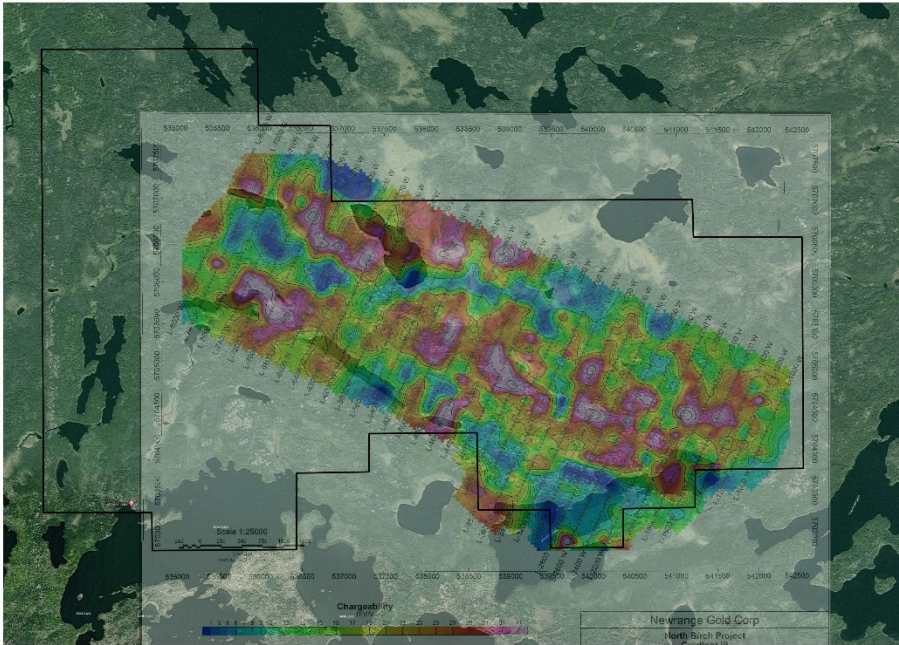


Figure 2.3 Chargeability map over Google satellite image. There is no obvious correlation with present day drainages.

3. Relationship between Resistivity and Chargeability Features

Zones of high chargeability were traced from the colour image to allow for superimposition on the other data layers. Figure 3.1 shows these zones overlaid on the resistivity map, along with the traced magnetic highs.

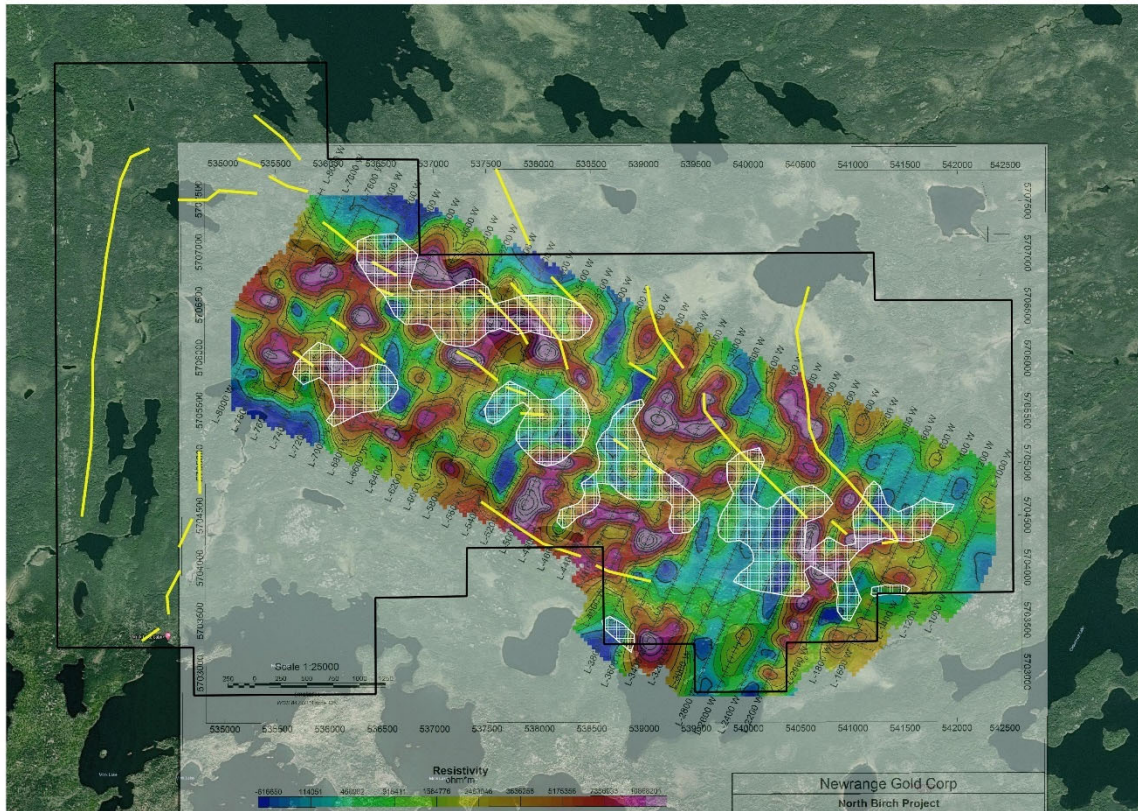


Figure 3.1 Colour image of resistivity over Google satellite image with high chargeability zones overlaid in white. Yellow lines are traced from magnetic highs.

In the centre of the claim block, chargeability highs are associated with relative lows in resistivity. This could indicate the presence of clay minerals that could be from hydrothermal alteration. In contrast the northwestern chargeability highs are associated with mostly higher resistivities. The chargeability high in the southeast of the survey area is discussed in more detail below, where it is denominated D.

4. Relationship between Mag and IP Features

While we use aeromagnetic data as a mapping tool, assuming that the zones of high magnetic intensity correspond to iron formation and/or mafic volcanic units, it can be seen from Figure 4.1 below that the resistivity results do not characterize lithologies in the same way. Significant factors affecting resistivity are porosity, where more pore fluid corresponds to lower resistivity, and clay content. Where the resistivity pattern changes independently of the magnetic pattern, this could mean a change in silica content (affecting porosity). Weathering and hydrothermal alteration would increase both porosity and clay content, thereby decreasing resistivity. Magnetite content is also reduced by weathering and alteration so we would expect a change in magnetic signature also.

The poor correlation between the geology and the resistivity patterns could be an indication that variations in overburden composition and thickness are making a significant contribution to the IP response. It would be worthwhile to compare ice flow directions with trends in the resistivity image to see if there is any correlation.

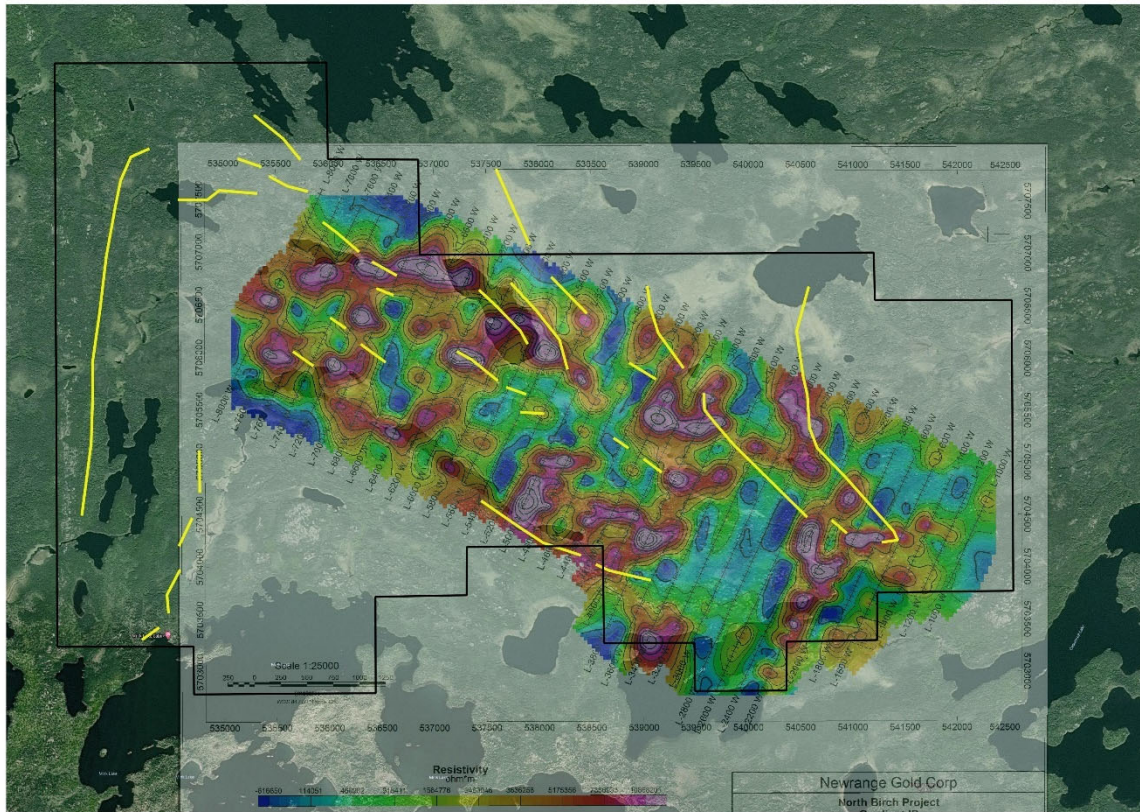


Figure 4.1 Resistivity map over Google satellite image. Yellow lines are traced over magnetic highs.

Figure 4.2 below shows the relationship between chargeability highs and the aeromagnetic data for the property. Some faults (black lines) have been interpreted based on breaks in the magnetic data.

Note how a number of the high chargeability zones are aligned along the shear zone which is interpreted to cross through the centre of the property (A). There are a few spots along this shear where a diminished magnetic signature and high chargeability coincide – which could be due to magnetite destruction and clay and/or disseminated sulphides – and these may represent drill targets.

The high chargeability zone marked C may present a drill target, since it occurs in an area of lower magnetic intensity within a fold closure. These magnetic units can be traced westward and then southward to where a surface sample returned 5.6 g/t Au.

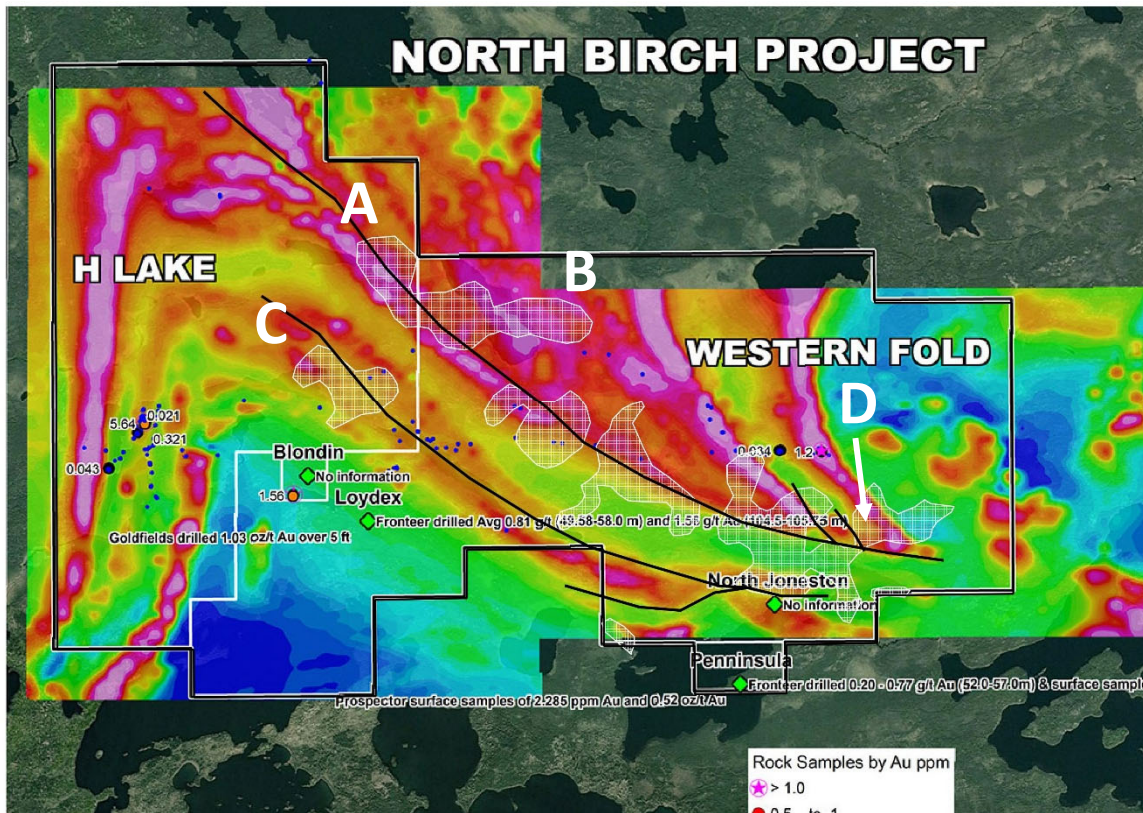


Figure 4.2 Zones of high chargeability over aeromagnetic image. Interpreted faults in black. Letters A to D refer to features discussed in the text.

Drill sites are proposed to test targets A and C and are shown in a close-up in Figure 4.3 below. A number of surface samples are indicated on the map in the vicinity of proposed holes A1 and C1. If there was mapping done in conjunction with the sampling it would be important to use that data when finalizing the collar positions of the holes.

I have proposed holes A1 and C1 assuming that the shear zones dip towards the northeast; however if there is evidence to the contrary, collars A2 and C2 are proposed instead. The idea is to drill the two holes on the same azimuth so that a cross section can be drawn through both holes. These holes are designed to intersect the cause of the chargeability and resistivity highs in these areas of decreased magnetic signature, as well as to confirm the presence of the shear zone.

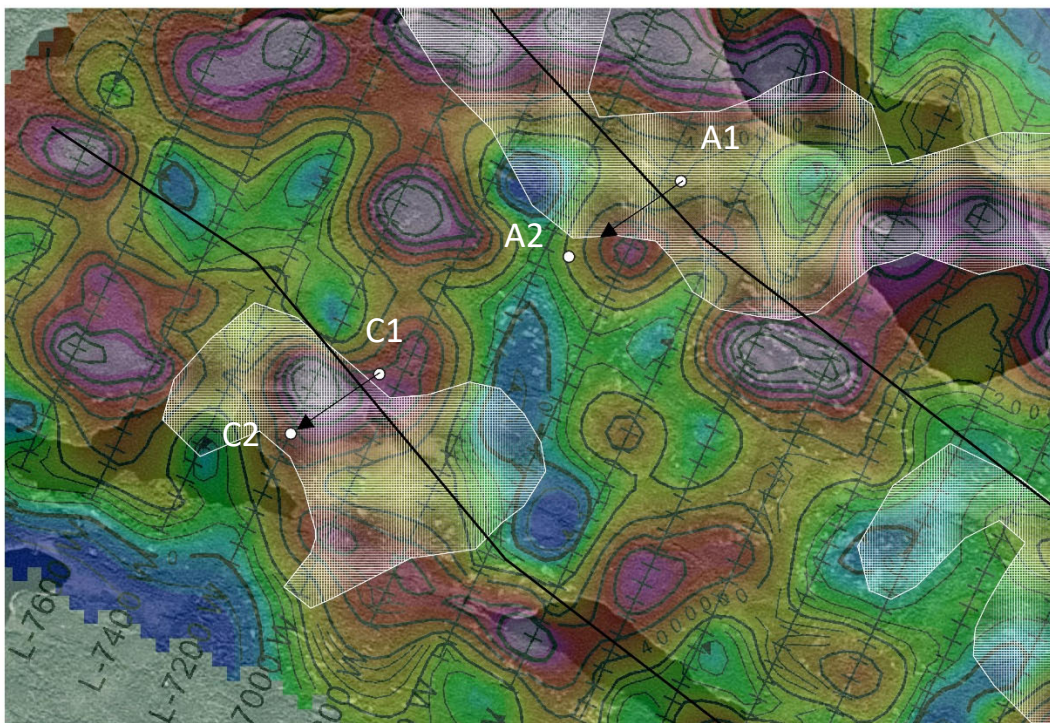
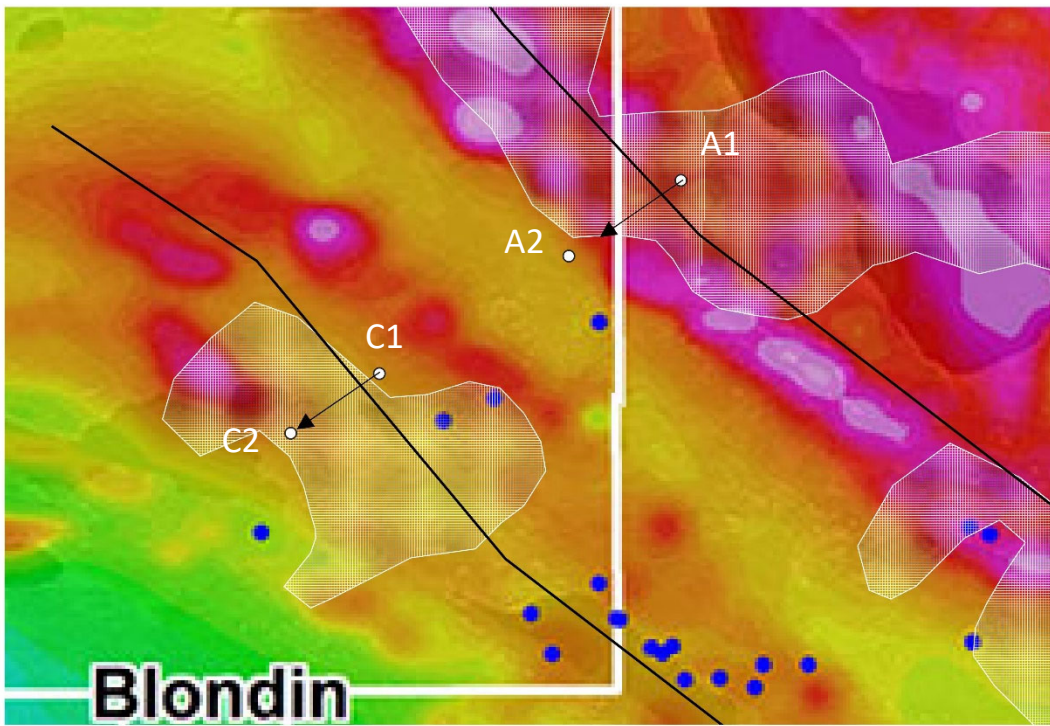
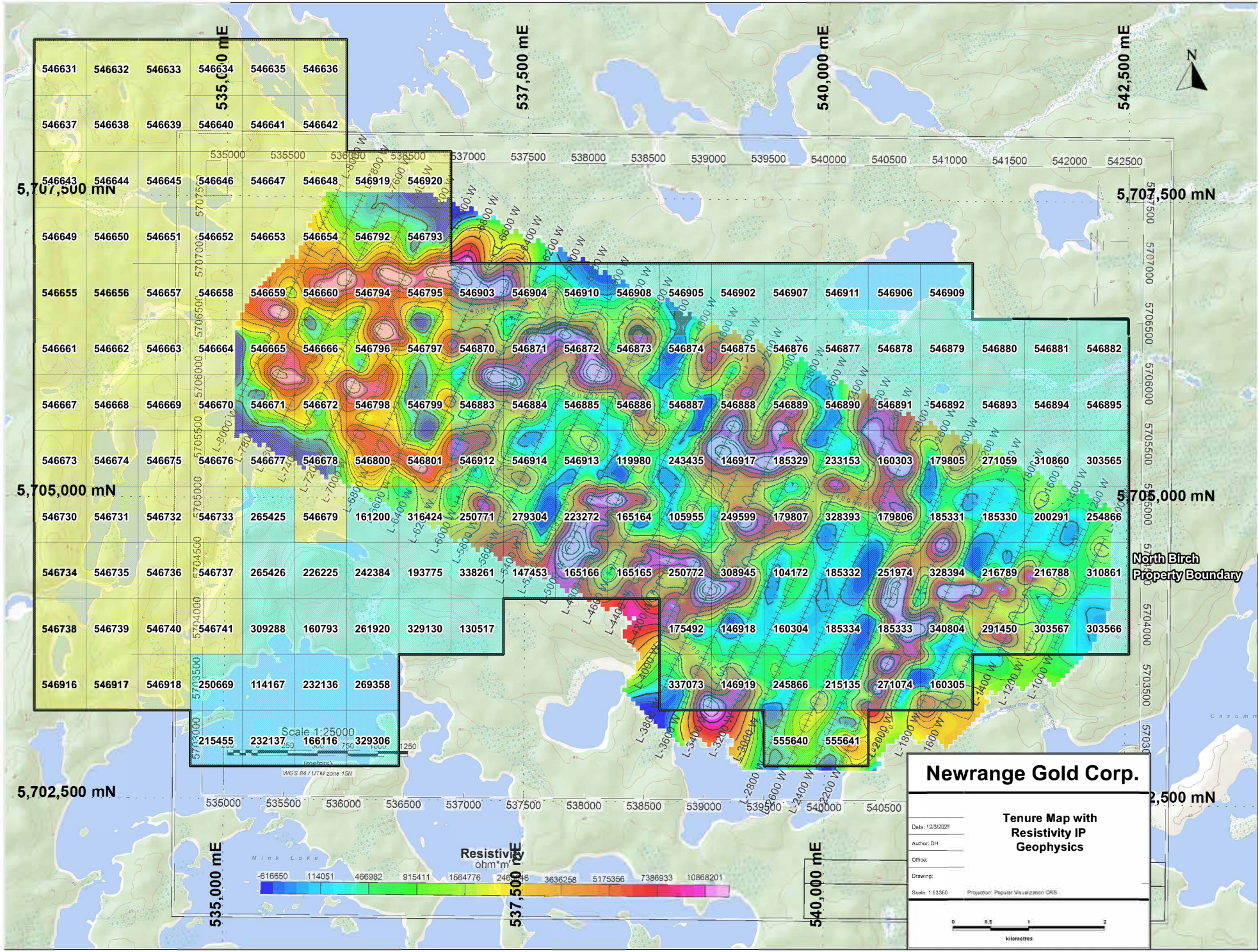


Figure 4.3 Close up of targets A and C showing proposed drill holes A1 and C1, or A2 and C2, overlaid on aeromagnetic image (above) and resistivity image (below)

At D there is an area of high chargeability in the hinge of the fold adjacent to a major shear zone, also coinciding with a resistivity high and a decrease in the magnetic intensity (**Error! Reference source not found.**). This is the combination you would expect for silica-rich, demagnetised iron formation or mafic volcanics with disseminated sulphides. A hole collared at 541125, 5704415 with azimuth 215° (D1 in **Error! Reference source not found.**) could test this target. The idea would be to intersect the cause of the chargeability anomaly and continue, aiming to intersect what seems to be a magnetic unit with local demagnetization. Drilling along azimuth 50° from this same collar would test the magnetic unit where it coincides with a chargeability high and a resistivity low. From the stratigraphy intersected in these two holes one should be able to determine whether this is indeed a fold hinge.

At the southern margin of the high chargeability zone referred to in D, there is a similar zone of decreased magnetic intensity, where the magnetic unit appears to be displaced by a shear zone. In this area the elevated chargeability coincides with low resistivity. A hole (D2 in **Error! Reference source not found.**) collared at 540100, 5703700 and drilled on an azimuth of 20° would test this target.

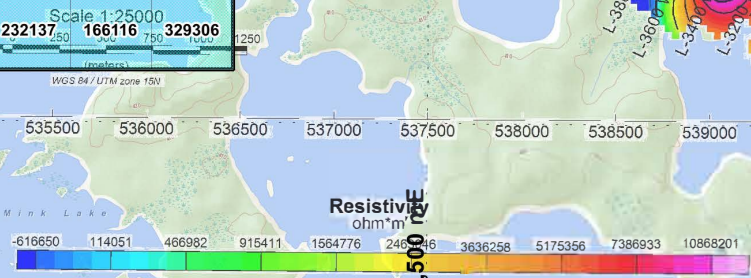


546631	546632	546633	546634	546635	546636															
546637	546638	546639	546640	546641	546642															
546643	546644	546645	546646	546647	546648	546649	546650													
546649	546650	546651	546652	546653	546654	546792	546793													
546655	546656	546657	546658	546659	546660	546794	546795	546903	546904	546910	546908	546905	546902	546907	546911	546906	546909			
546661	546662	546663	546664	546665	546666	546796	546797	546870	546871	546872	546873	546874	546875	546876	546877	546878	546879	546880	546881	546882
546667	546668	546669	546670	546671	546672	546798	546799	546883	546884	546885	546886	546887	546888	546889	546890	546891	546892	546893	546894	546895
546673	546674	546675	546676	546677	546678	546800	546801	546912	546914	546913	119980	243435	146917	185329	233153	160303	179805	271059	310860	303565
546730	546731	546732	546733	265425	546679	161200	316424	250771	279304	223272	165164	105955	249599	179807	328393	179806	185331	185330	200291	254866
546734	546735	546736	546737	265426	226225	242384	193775	338261	147453	165166	165165	250772	308945	104172	185332	251974	328394	216789	216788	310861
546738	546739	546740	546741	309288	160793	261920	329130	130517				175492	146918	160304	185334	185333	340804	291450	303567	303566
546916	546917	546918	250669	114167	232136	269358						337073	146919	245866	215135	271074	160305			
			215455	232137	166116	329306								555640	555641					

Newrange Gold Corp.

Tenure Map with Resistivity IP Geophysics

Date: 12/3/2021
 Author: DH
 Office:
 Drawing:
 Scale: 1:53360 Projection: Popular Visualization CRS



North Birch
Property Boundary

