

ASSESSMENT REPORT

2016 GEOPHYSICAL SURVEY INTERPRETATION

on the

VIP Property

Whitehorse Mining District, Yukon Territory

for

Nevada Zinc Corp.

Claims filed for: see next page

NTS Mapsheet: 115J13

UTM Coordinates: E560000, N6978000 (NAD83, Zone 7)

Owner: Goldspike Exploration Inc./Nevada Zinc Corp.

Author: D. Ferraro, HBS. (Druid Exploration)

Dates worked performed: May 15th to May 31st, 2016

Claims filed for:

GRANT NUMBER			CLAIM NAME AND NUMBER			# of claims	MAPSHEET
YD61631	-	YD61632	VIP 101	-	VIP 102	2	115j13
YD12539	-	YD12562	VIP 139	-	VIP 162	24	115j13
YD62103	-	YD62110	VIP 163	-	VIP 170	8	115j13
YD62112	-	YD62133	VIP 182	-	VIP 203	22	115j13
YD62145	-	YD62153	VIP 215	-	VIP 223	9	115j13
YD64009	-	YD64051	VIP 579	-	VIP 621	43	115j13
YD63902	-	YD63925	VIP 622	-	VIP 645	24	115j13
YD63927			VIP 647			1	115j13
YD63929	-	YD63977	VIP 649	-	VIP 697	49	115j13, 115k16
YD63989	-	YD63995	VIP 709	-	VIP 715	7	115j13
YD62873	-	YD62874	VIP 793	-	VIP 794	2	115j13
YD63717	-	YD63740	VIP 797	-	VIP 820	24	115j13
YD63895			VIP 825			1	115j13
YD63897			VIP 827			1	115j13
YD65754	-	YD65767	VIP 834	-	VIP 847	14	115j13
YD63770	-	YD63777	VIP 850	-	VIP 857	8	115j13
YD14048	-	YD14056	VIP 858	-	VIP 866	9	115j13

TABLE OF CONTENTS

1.0 Summary	1
2.0 Introduction	2
3.0 Property Location and Access	2
4.0 Topography, Vegetation, and Climate	3
5.0 Property Description	4
6.0 Property History	4
7.0 Geological Setting	
7.1 Regional Geology	6
7.2 Property Geology	6
8.0 Geophysical Survey and Interpretation	9
9.0 Conclusions and Recommendations	11
References	12
Statement of Expenditures	13
Certificates of Qualifications.....	14

Figures and Plates

Figure 1: General Location of the VIP Property	2
Figure 2: Glaciation in the Dawson Range	3
Figure 3: Claim Location Map	5
Figure 4: Dawson Range Mineral Belt.....	7
Figure 5: Regional Geology	8
Figure 6: Survey Location Map	10

Appendices

Appendix I: List of Claims	15
Appendix II: Precision GeoSurveys Airborne Geophysical Survey Report.....	34
Appendix III: Precision GeoSurveys Airborne Geophysical Interpretation Report.....	51

1.0 SUMMARY

An airborne geophysical survey was conducted on the VIP Property during December 2010. This work was not filed for assessment. In 2016, the data was reprocessed and interpreted taking into account geological and geochemical surveys done on the property since the initial survey. This assessment report summarizes and includes these reports and digital data.

The VIP Property consists of 839 contiguous quartz claims located within NTS mapsheet 115J13 and parts of 115O/4 and 115K/16 in western Yukon. The property is situated ~120km south of Dawson City, to the east of the White River. Access to the property at present is only by helicopter. A narrow, gravel airstrip at Thistle Creek, just north of the Yukon River is ~25km north of the VIP property.

Geologically, the property lies within the Yukon-Tanana Terrane, which extends from British Columbia through the Yukon into Alaska. This terrane is bounded to the northeast by the Tintina Fault and to the southwest by the Denali Fault. The VIP property geology consists of mainly quartz feldspar muscovite and chlorite schist, locally biotite gneisses and mafic schists. In addition intrusive rocks including biotite granodiorite to granite have been identified as well as ultramafic rocks including variably serpentinized peridotite. In the northern part of the property, granodiorite has been mapped and its continuance to the east is not clear.

The property has seen little historic hard rock and placer exploration. Since 2011, Nevada Zinc Corp. has taken over 350 rock samples, 1400 soil samples, and 50 stream sediment samples on the property. Multiple geochemical anomalies have been outlined.

An airborne geophysical survey was flown during December 2010. The survey collected magnetic and radiometric data. A total of 1055 line kilometers were flown including tie lines and survey lines. Survey lines were flown at 100m spacings at a 020/200 degree heading. Tie lines were flown at 1000m spacings at a 110/290 degree heading.

The magnetic data was interpreted during May, 2016. Multiple maps were produced showing structural and geological interpretations layered over total magnetic intensity, calculated vertical gradient, horizontal gradient, 100m upward continuation, and 20m downward continuation.

Many northwest structures were identified as well as offsets and faults within these lineations. Multiple intrusive bodies of various relative ages were also identified.

The interpretation in combination with past geochemical results should prove useful in future exploration programs. Specifically, structural offsets in the southeast area of the property coincident with geochemical anomalies are recommended for follow-up ground truthing.

2.0 INTRODUCTION

This assessment report has been prepared at the request of Mr. Bruce Durham, president of Nevada Zinc Corp. (Goldspike Exploration Inc.) of Toronto, Ontario. The report describes the 2010 airborne magnetic survey and 2016 interpretation of that survey on the VIP Property. The survey and interpretation was performed by Precision GeoSurveys of Vancouver, BC. The report text and maps were written by D. Ferraro, of Druid Exploration, Dawson City, YT.

3.0 PROPERTY LOCATION AND ACCESS

The VIP property is located within NTS mapsheet 115J13 and parts of 115O/4 and 115K/16 in western Yukon. The property is situated ~120km south of Dawson City, to the east of the White River (Figure 1). The claim group lies within the Whitehorse Mining District. Access to the property at present is only by helicopter. A narrow, gravel airstrip at Thistle Creek, just north of the Yukon River is ~25km north of the VIP property. There is river access (five months of the year) provided by a barge landing on the Yukon River, approximately five km west of the Thistle airstrip. Winter road access to Thistle airstrip may be available from Pelly Farm.

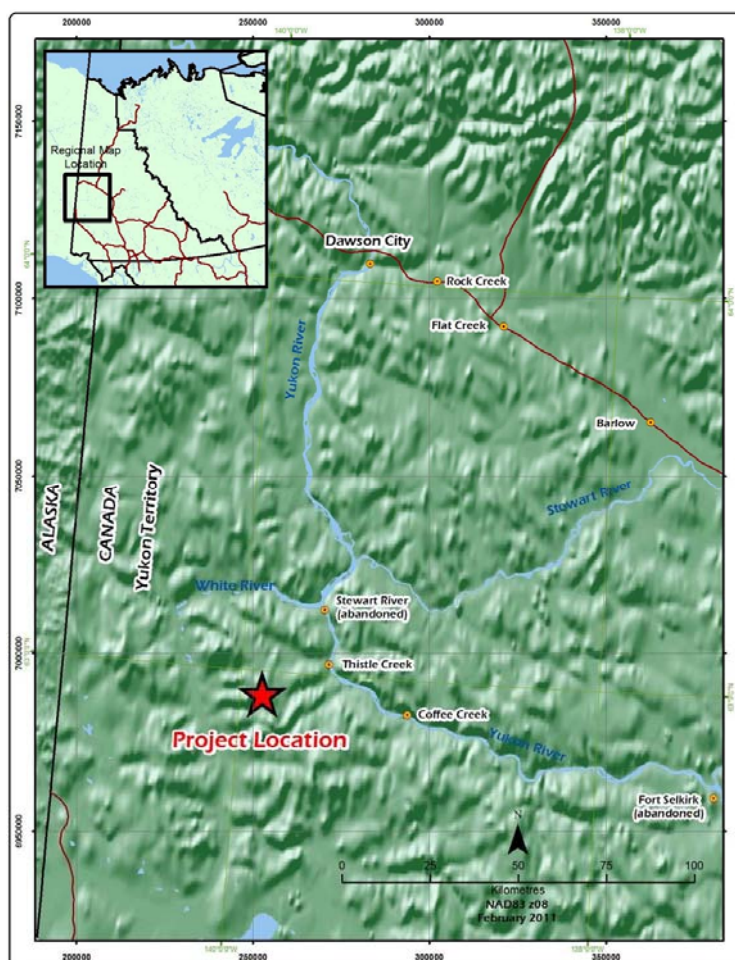


Figure 1: General location of the VIP Property

4.0 TOPOGRAPHY, VEGETATION, AND CLIMATE

The VIP property falls within the Dawson Range which is a northwest-trending mountain range in western Yukon, stretching for over 100km. The area consists mostly of broad, rounded, unglaciated valleys (Figure 2). Permafrost is commonly found on north-facing slopes, particularly where there have been no recent forest fires. Bond and Lipovsky (2011) recently completed a three year study to provide baseline surficial geology applicable to mineral exploration in the northern Dawson Range. The authors suggest that widespread Pleistocene eolian loess deposits, (wind-blown silt), form close to the White River and may complicate the collection and interpretation of geochemical data. The VIP property is protected from this wind-blown silt from the White River and is therefore an effective area for soil sampling residual soils.

The climate of the region is described as cold and semi-arid. Mean annual temperature is between -4 and -8 deg C and annual precipitation estimated at 300mm (Bond and Lipovsky, 2011).

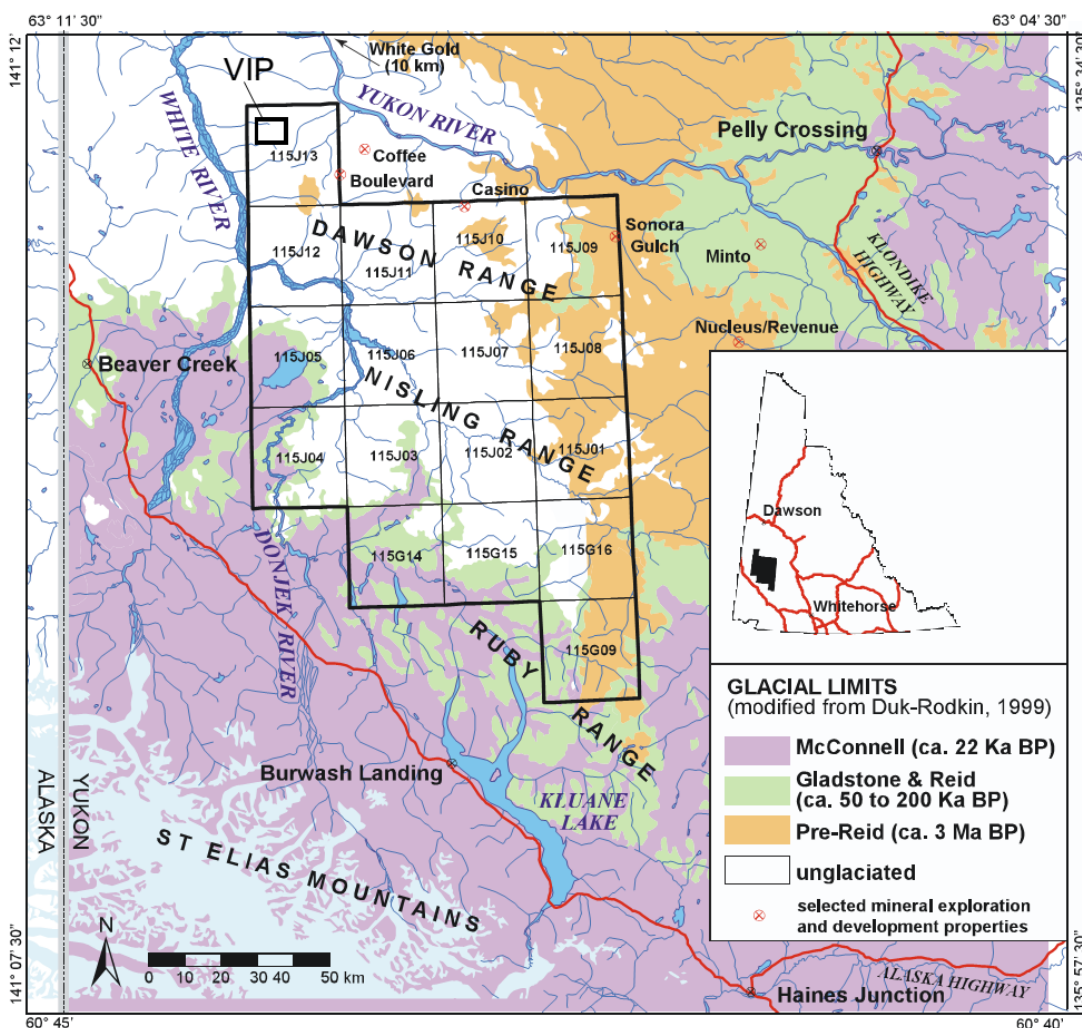


Figure 2:
Glaciation in
the Dawson
Range
(modified from
Bond and
Lipovsky,
2011).

5.0 PROPERTY DESCRIPTION

The VIP property is comprised of 839 quartz claims in the Whitehorse Mining District. There are 756 'VIP' claims, 16 'XT' claims, 3 'VP' claims, and 64 'NZ' claims. All claims are contiguous and are owned by Goldspike Exploration Inc. (now Nevada Zinc Corp.) of Toronto, ON. The XT claims were acquired as part of an agreement with adjoining property holder SilverQuest Resources. The VP claims were staked in 2015. The NZ claims were staked in 2016 over the MICK claims, previously held by Ryan Gold Corp. All claims listed within the block of VIP claims were ground staked and conform to regulations under the Yukon Quartz Mining Act. The locations of posts were recorded in NAD83 with handheld global positioning units.

Claim status and particulars are listed in Appendix 1. Figure 3 displays claim locations.

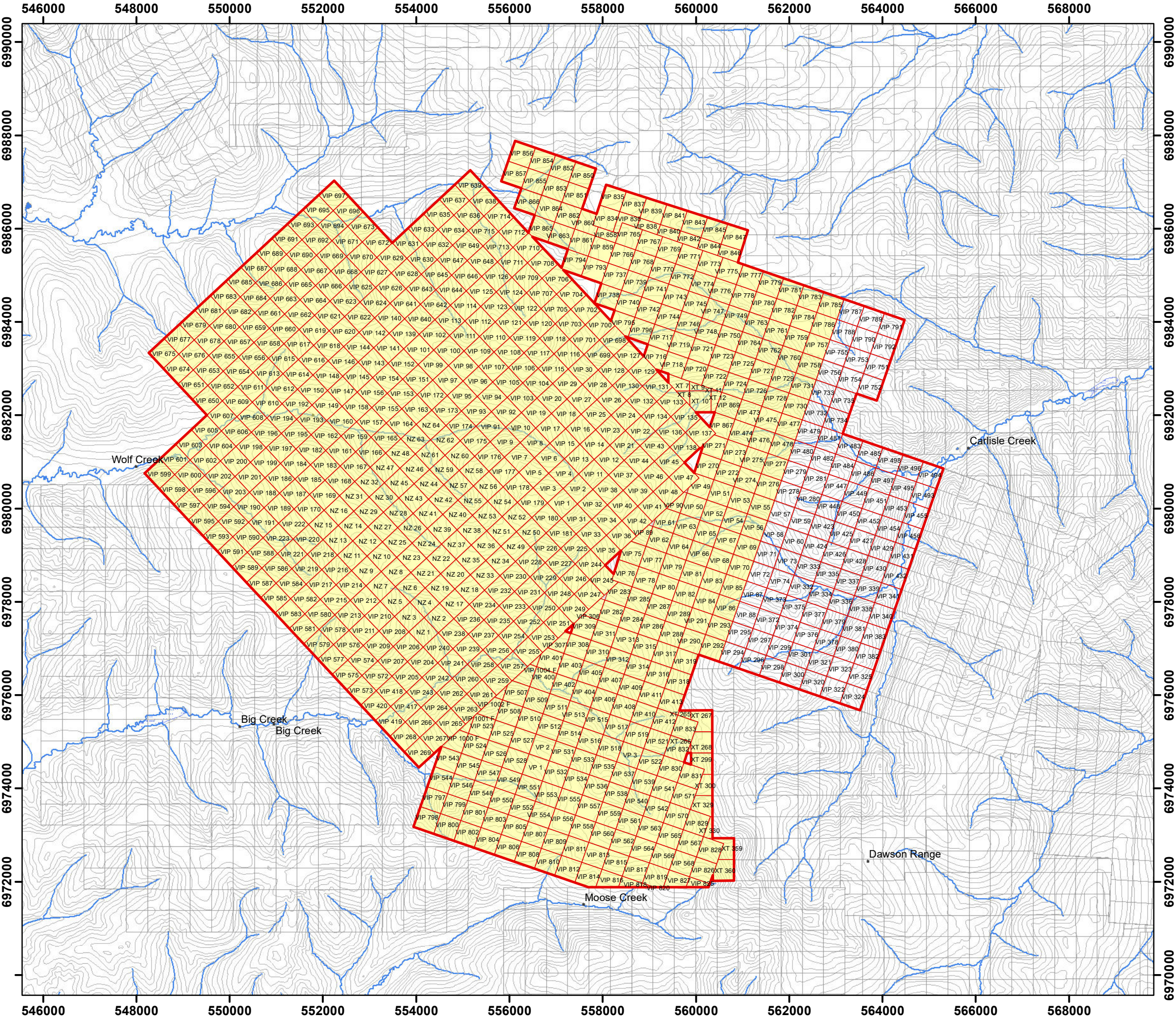
6.0 PROPERTY HISTORY

The VIP property has had no previous documented hardrock or placer claim activity, or fieldwork reported in Yukon assessment files prior to 2011. While no placer work was reported, Tom Morgan, a Dawson prospector and staker of the VIP claims, noted boulders placed along the edge of a tributary flowing into Big Creek. Morgan interpreted the stacking of these boulders as reasoning for early, undocumented placer activity within the VIP property.

Vivian, (2011) has documented Minfile mineral occurrences in the area regionally. Prospector International Resources Inc. working in the Coffee Creek area delineated a gold anomaly of 400 x 900 meters defined by gold-in-soil values up to 694ppb Au with co-incident As, Sb and Hg, (Jaworski and Vanwermeskerken, 2001). That area is now part of Kaminak's Coffee Gold project (Wainwright et al, 2011) where diamond drilling has confirmed gold mineralization in several zones.

During 2010 Nevada Zinc contracted Precision GeoSurveys to perform a large-scale airborne magnetic survey over the west half of the property. The survey outlined multiple structures and small rhyolitic plugs as well as a large portion of a granodiorite unit to the south. This was followed up with an extensive geochemical program in 2011. A total of 324 rock sample, 1184 soil samples, and 60 silt samples were collected over the duration of the program. A structure northeast of the Mick Claims was recognized with multiple associated copper occurrences (malachite and azurite in silicified schist and oxidized quartz veining). No significant gold results were uncovered by prospecting, however. Soil sampling uncovered multiple low-grade gold-arsenic anomalies as well as base metals, primarily copper and antimony.

A small, 4 day exploration program was conducted in during 2015 covering the southeast portion of the property. A 4 man crew collected 33 rock samples and 322 soil samples, outlining multiple small anomalies including a ~400m long Au-As-Ag-Cu-Pb-Mo-Hg-Se-Te soil anomaly just south of Big Creek.



VIP Property

Figure 3: Claim Location Map

Nevada Zinc Corp.

Big Creek area,
Whitehorse Mining District

Legend

-  VIP property
-  VIP Claims
-  May 2016 grouping
-  Yukon Quartz Claims



N

1:80,000



Meters

Author: Dan Ferraro
Date: June, 2016
Mapsheets: 115J13, 115K16, 115O04
Datum: UTM NAD83 Zone 7

7.0 GEOLOGICAL SETTING

7.1 Regional Geology

The VIP property lies within the Yukon-Tanana Terrane, which extends from British Columbia through the Yukon into Alaska. This terrane is bounded to the northeast by the Tintina Fault and to the southwest by the Denali Fault (Figure 4).

The Yukon Tanana Terrane was accreted to the western North American craton between the late Paleozoic and early Cenozoic. During middle Paleozoic time, this terrane rifted southward causing a right lateral displacement of greater than 125km along this major fault. Quartz-rich schists and gneisses make up much of this terrane with amphibolitic grade metamorphism. Mid-Cretaceous intrusive rocks such as the Klotassin Batholith to the south of the VIP property (Tempelman-Kluit, 1974) have been associated with mineralization within the Tintina Gold belt which forms an arcuate belt extending from Alaska through central Yukon and including deposits such as Pogo, Fort Knox and Dublin Gulch (Figure 5, after Bremner, 2010). More recently these Cretaceous intrusions host gold mineralization which is interpreted to be structurally controlled as at the Kaminak Coffee Creek project within what is now referred to as the White Gold District, Yukon.

7.2 Property Geology

The VIP property geology consists of mainly quartz feldspar muscovite and chlorite schist, locally biotite gneisses and mafic schists. In addition, intrusive rocks including biotite granodiorite to granite have been identified as well as ultramafic rocks including variably serpentinized peridotite. In the northern part of the property, granodiorite has been mapped and its continuance to the east is not clear.

From the geophysics, it is very clear there are northwesterly structures which show magnetic trends with co-incident magnetic lows. Foliation attitudes within the quartz muscovite + feldspar-bearing schists typically reflect these attitudes (generally 320 degrees). A marble unit mapped up to 10m thickness, is shown on our mapping and is consistent with this same 320 degree attitude. Folding is also apparent and is also illustrated from Tempelman-Kluit's (1974) fieldwork where he documents folding within the present NZ (formerly MICK) claims and on the VIP ground north of the NZ claims (see Frasier, 2011 for further information and photos).

From exploration results from 2008 through 2015, a regional framework has developed suggesting mineralization in the White Gold District is Early to mid-Cretaceous (Bennett et al, 2010). They suggest an intimate association between mineralization and prominent long lived first order NW-trending regional structures and related coeval north and east trending structures. Structurally controlled mineralization at Kaminak's Coffee Gold project appears consistent with this. As further data is released from exploration at Coffee Creek, more geological analogies on the VIP Property should present themselves.

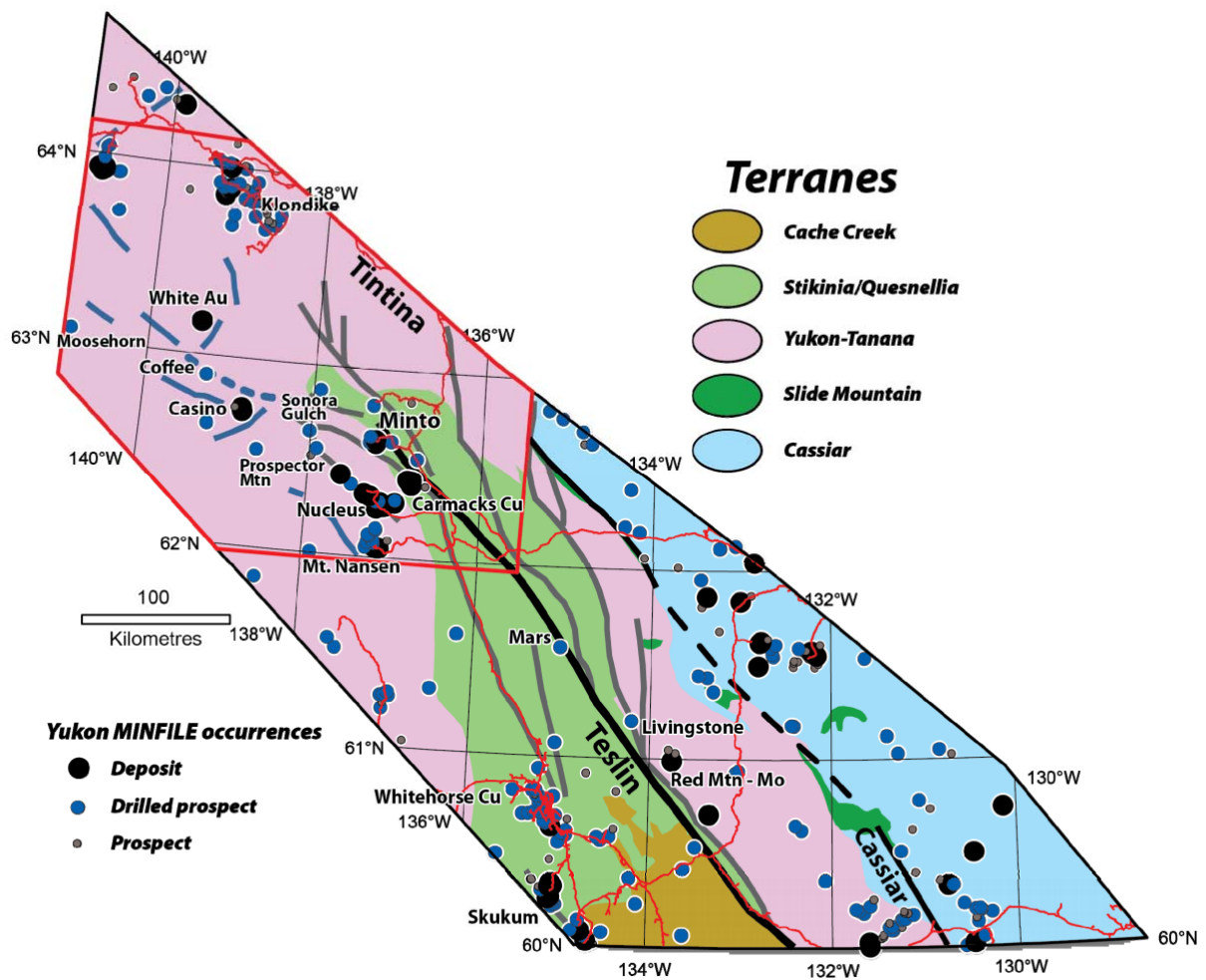
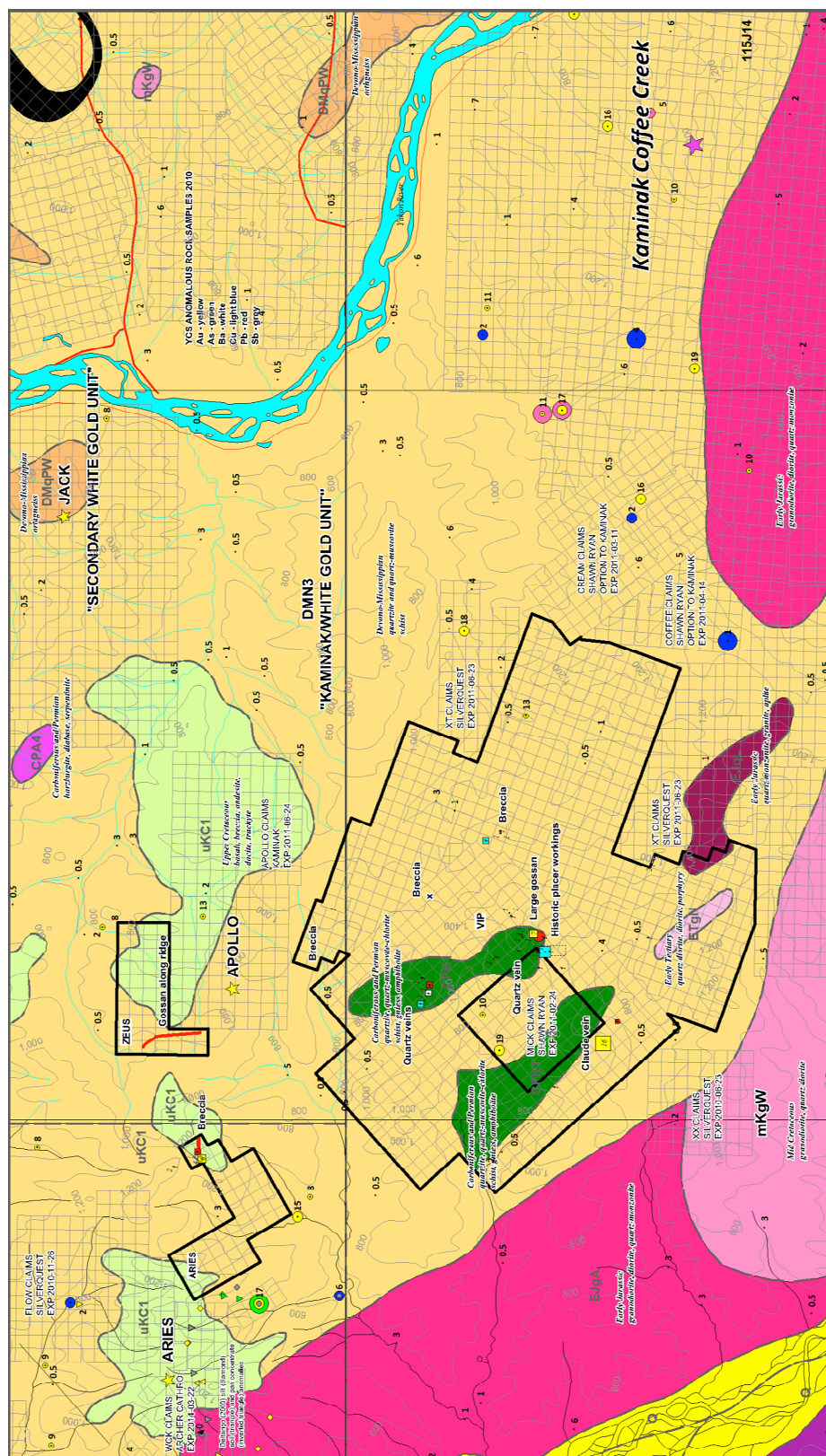


Figure 4 Simplified terrane map of the central Yukon. Red polygon outlines the Dawson Range Mineral Belt of western Yukon (Bennett et al., 2010).



8.0 GEOPHYSICAL SURVEY AND INTERPRETATION

In December, 2010, Precision GeoSurveys of Vancouver, BC carried out an airborne geophysical survey on the VIP Property (Appendix II. Also see Figure 6 for an outline of the survey in relation to the claims). The survey collected magnetic and radiometric data. A total of 1055 line kilometers were flown including tie lines and survey lines. Survey lines were flown at 100m spacings at a 020/200 degree heading. Tie lines were flown at 1000m spacings at a 110/290 degree heading. Digital files of the survey and the report can be found on a CD attached to this report.

Initial interpretation was done on the data by Ron Sheldrake in 2011 (Vivian, 2011). Sheldrake interpreted northwesterly structures from magnetic trends with co-incident magnetic lows. Foliation attitudes within the quartz muscovite + feldspar-bearing schists typically reflect these attitudes (generally 320 degrees).

In addition to these structures, Sheldrake inferred a peridotite intrusion with from strong magnetic signature. He also interpreted an alteration zone within the MICK claims (now NZ claims) which he suggests extends north into the VIP claims. Sheldrake based this possible alteration or breccia zone on disruption of linear features in this area. Sheldrake further interpreted a fold structure from the linear features.

In May, 2016, Precision GeoSurveys was contracted to re-interpret and process the magnetic data from the 2010 survey. Data quality was evaluated, additional processing was performed, new results were analysed, and additional maps were produced. Interpretation methods and results were reviewed in a written report which can be found in Appendix III. All maps and geotiffs are available digitally on a CD attached to this report. The maps produced are:

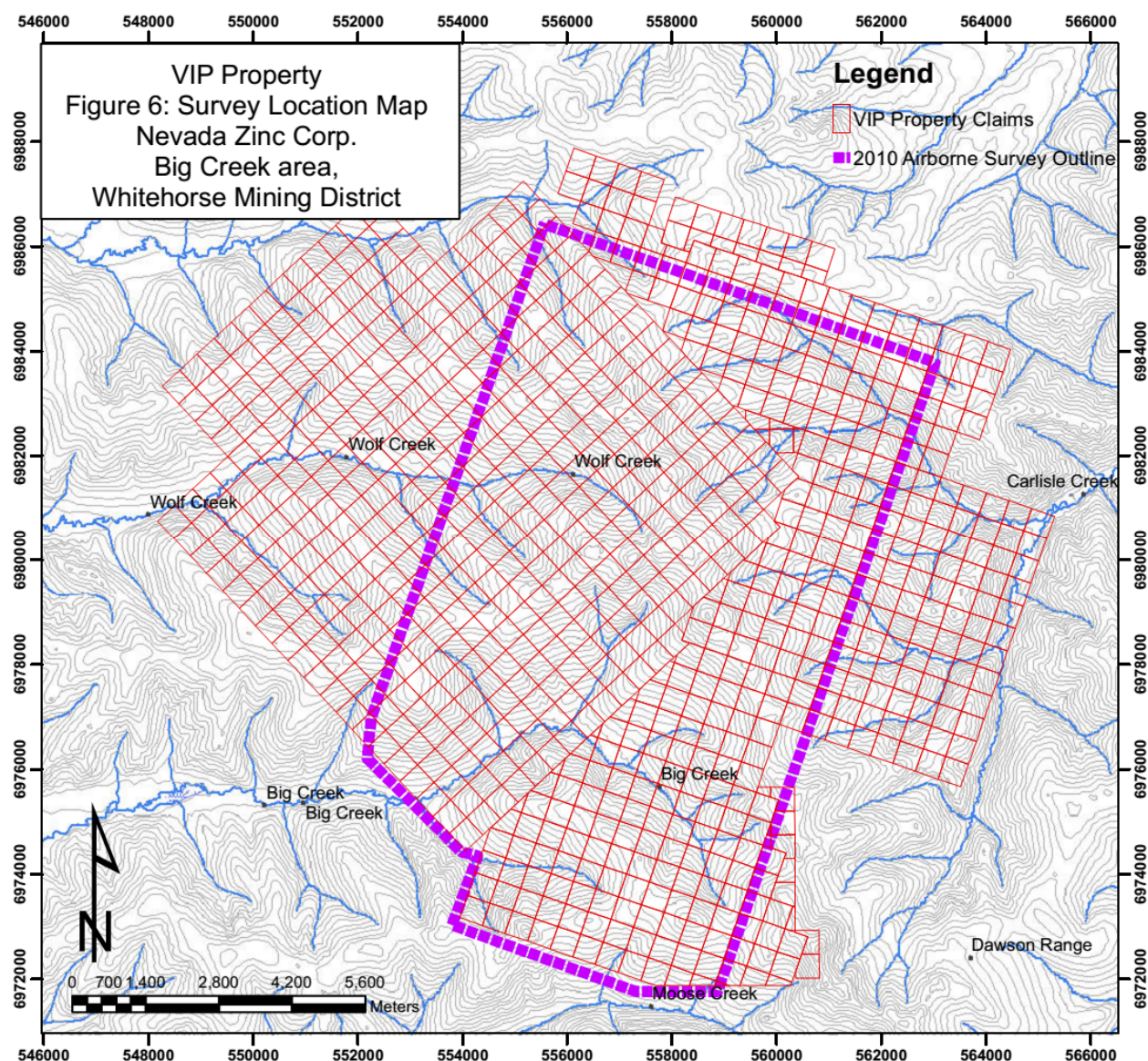
- VIP_CVGwStructure (calculated vertical gradient with structural interpretation)
- VIP_DownwardContinuation (20m downward continuation)
- VIP_DownwardContinuation_wStructure (20m downward continuation with structural interpretation)
- VIP_HG (horizontal gradient)
- VIP_HGwStructure (horizontal gradient with structural interpretation)
- VIP_InterpStructure_withDTM (structural interpretation with digital terrain model)
- VIP_RMIwStructure (residual magnetic intensity with structural interpretation)
- VIP_UpwardContinuation (100m upward continuation)
- VIP_UpwardContinuation_wStructure (100m upward continuation with structural interpretation)

The interpretation of the data was beneficial at this point since it took into account geochemical sampling and geological measurements done between 2011 and 2015.

Like Sheldrake, many NW-SE lineations were interpreted. On the southern corner of the block, there is a large magnetic high. This would indicate a large resistive unit that would normally not be of much interest. However, the offset and rotation of the unit with the lineations immediately to the west indicate that there may be faulting around the unit.

On the northeastern section of the grid are two magnetic highs that would indicate intrusive bodies. The larger, western anomaly also cross cuts some of the NW/SE lineations, indicating that it is a younger unit.

Along the western edge of the survey area are two anomalies that are somewhat circular in shape but with a much lower residual magnetic intensity. The shape would indicate that they could possibly be intrusive units, while the lower magnetic signature would indicate that they may be much older and more heavily altered.



9.0 CONCLUSIONS AND RECOMMENDATIONS

The magnetic data interpretation was beneficial to the VIP Property. It has confirmed the presence of altered intrusives, strong NW structures, and fault offsets on the property. The interpretation has also given to exploration targets in which to focus additional ground prospecting and geochemical sampling.

The southern portion of the property covers the boundary of a large orthogneiss body. Interpretation indicates faulting and offsets which are potential zones of epithermal deposits or possibly intrusive-related gold mineralization. This area has seen very limited prospecting and geochemical sampling and would benefit from a small exploration program. Furthermore, anomalies were discovered in this area during the short 2015 program which are still ready for follow-up work, including the ~400m long Au-As-Ag-Cu-Pb-Mo-Hg-Se-Te anomaly which overlies a magnetic low just south of an interpreted linear, NW-trending magnetic high.

Multiple isolated anomalies were found to the south and east of the magnetic survey area during 2015. Many of the interpreted structures may be extrapolated to these areas which deserve grassroots prospecting and soil sampling.

REFERENCES

Bennett, V., Colpron, M., and Burke, M., 2010, Current thinking on Dawson Range tectonics and metallogeny. Yukon Geological Survey, Misc report 2, 12p.

Bond, J. D. and Lipovsky, P.S, 2011, Surficial geology, soils and permafrost of the northern Dawson Range. *In: Yukon Exploration and Geology 2010*, K.E. MacFarlane, L. H. Weston and C. Relf (eds.), Yukon Geological Survey, p. 19-32.

Bremner, T., 2010, Overview of Goldspike Exploration properties in Yukon, Unpublished report.

Fraser, S., 2011, Assessment report for fieldwork carried out on the VIP claims, nts 115J13, Dawson Range, Yukon. For Goldspike Exploration, Toronto, ON.

Jaworski, B.J. and Vanwermeskerken, M., 2001, Geological and geochemical report on the Coffee Creek intrusion-related gold target, West central Yukon Territory: Yukon Assessment Report 094207, 53p.

Tempelman-Kluit, 1974, GSC Open File Map 16-1973, Snag, YK.

Vivian, Gary, 2011, Technical report, VIP claims, Yukon Territory, Canada prepared for Goldspike Exploration Inc, 70p.

Wainwright, A.J., Simmons, A.T., Finnigan, C.S., Smith, T.R., and Carpenter, R.L., 2011. Geology of the new gold discoveries in the Coffee Creek area, White Gold District, west-central Yukon. *In: Yukon Exploration and Geology 2010*, K.E. MacFarlane, L.H. Weston and C. Relf (eds.), Yukon Geological Survey, p. 233-247.

STATEMENT OF EXPENDITURES

Costs associated with the VIP Property
May 25th to June 1st, 2016

ITEM	COMPANY	COST
Geophysical interpretation report	Precision GeoSurveys Inc.	\$10000.00
Assessment report and cartography	Druid Exploration Inc.	\$2500.00
	TOTAL (no GST)	\$12500.00

CERTIFICATE OF QUALIFICATIONS

I, Daniel Ferraro, of 835 Berkshire Dr., Woodstock, Ontario, Canada, certify that:

1. I am a graduate of Lakehead University, 2008, and hold an H. B.Sc. Geology degree.
2. I am an independent geological consultant.
3. I am a member of the Ontario Prospectors Association (2010).
4. I have been employed as a geological assistant for the Ontario Geological Survey and the Geological Survey of Canada during the summers of, respectively, 2006 and 2007.
5. I have been working in the mineral exploration industry since 2008 consulting for Pacific North West Capital Corporation, East West Resources Corporation, Rainy Mountain Royalty Corporation, Black Panther Mining Corporation, White Tiger Mining Corporation, Trillium North Minerals Ltd., Nebu Resources Inc., Canoe Mining Ventures Corp., Harte Gold Corp., Goldstrike Resources Ltd., Goldspike Exploration Inc., and Nevada Zinc Corp.
6. This report was prepared by myself.
7. I have no personal knowledge from the date of this certificate of any material fact or change not reflected in this report.



Daniel Ferraro, HBSc.

Date: June 9th, 2016

Appendix I: List of Claims

Appendix 1: Claim Status

	claims renewed in 2015
	claims renewed in June 2016
	claims staked in 2015
	claims staked in 2016

Claim Name	Claim Number	Grant Number	Claim Owner (100%)	Status	District	NTS Mapsheet	Claim Expiry Date
VIP	1	YD61501	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	2	YD61502	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	3	YD61503	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	4	YD61504	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	5	YD61505	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	6	YD61506	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	7	YD61507	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	8	YD61508	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	9	YD61509	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	10	YD61510	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	11	YD61511	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	12	YD61512	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	13	YD61513	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	14	YD61514	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	15	YD61515	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	16	YD61516	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	17	YD61517	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	18	YD61518	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	19	YD61519	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	20	YD61520	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	21	YD61521	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	22	YD61522	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	23	YD61523	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	24	YD61524	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	25	YD61525	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	26	YD61526	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	27	YD61527	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	28	YD61528	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	29	YD61529	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	30	YD61530	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	31	YD61531	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	32	YD61532	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	33	YD61533	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	34	YD61534	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	35	YD61535	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	36	YD61536	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	37	YD61537	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	38	YD61538	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	39	YD61539	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	40	YD61540	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	41	YD61541	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	42	YD61542	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018

Claim Name	Claim Number	Grant Number	Claim Owner (100%)	Status	District	NTS Mapsheet	Claim Expiry Date
VIP	92	YD61592	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	93	YD61593	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	94	YD61594	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	95	YD61595	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	96	YD61596	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	97	YD61597	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	98	YD61598	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	99	YD61599	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2017
VIP	100	YD61600	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2017
VIP	101	YD61631	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	102	YD61632	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	103	YD61483	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	104	YD61484	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	105	YD61485	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	106	YD61486	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	107	YD61487	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	108	YD61488	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	109	YD61489	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	110	YD61490	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	111	YD61491	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2017
VIP	112	YD61492	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2017
VIP	113	YD61493	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2017
VIP	114	YD61494	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2017
VIP	115	YD61495	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	116	YD61496	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	117	YD61497	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	118	YD61498	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	119	YD61499	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	120	YD61500	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	121	YD61477	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	122	YD61478	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	123	YD61479	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2017
VIP	124	YD61480	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2017
VIP	125	YD61481	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2017
VIP	126	YD61482	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2017
VIP	127	YD12527	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	128	YD12528	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	129	YD12529	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	130	YD12530	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	131	YD12531	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	132	YD12532	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	133	YD12533	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	134	YD12534	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	135	YD12535	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	136	YD12536	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	137	YD12537	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	138	YD12538	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	139	YD12539	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	140	YD12540	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016

[illegible]

Claim Name	Claim Number	Grant Number	Claim Owner (100%)	Status	District	NTS Mapsheet	Claim Expiry Date
VIP	290	YD62360	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	291	YD62361	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	292	YD62362	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	293	YD62363	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	294	YD62364	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	295	YD62365	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	296	YD62366	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	297	YD62367	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	298	YD62368	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	299	YD62369	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	300	YD62370	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	301	YD62371	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	306	YD62376	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	307	YD62377	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	308	YD61648	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	309	YD61649	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	310	YD61650	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	311	YD61651	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	312	YD61652	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	313	YD61653	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	314	YD61654	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	315	YD61655	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	316	YD61656	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	317	YD61657	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	318	YD61658	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	319	YD61659	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	320	YD61660	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	321	YD61661	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	322	YD61662	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	323	YD61663	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	324	YD61664	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	325	YD61665	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	332	YD62172	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	333	YD62173	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	334	YD62174	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	335	YD62175	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	336	YD62176	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	337	YD62177	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	338	YD62178	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	339	YD62179	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	340	YD62180	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	341	YD62181	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	372	YD61672	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	373	YD61673	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	374	YD61674	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	375	YD61675	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	376	YD61676	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	377	YD61647	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	378	YD62378	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018

Claim Name	Claim Number	Grant Number	Claim Owner (100%)	Status	District	NTS Mapsheet	Claim Expiry Date
VIP	379	YD62379	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	380	YD62380	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	381	YD62381	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	382	YD62382	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	383	YD62383	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	400	YD62100	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/10/2018
VIP	401	YD62201	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/10/2018
VIP	402	YD62202	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/10/2018
VIP	403	YD62203	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/10/2018
VIP	404	YD62204	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/10/2018
VIP	405	YD62205	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/10/2018
VIP	406	YD62206	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/10/2018
VIP	407	YD62207	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/10/2018
VIP	408	YD62208	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/10/2018
VIP	409	YD62209	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/10/2018
VIP	410	YD62210	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/10/2018
VIP	411	YD62211	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/10/2018
VIP	412	YD62212	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/10/2018
VIP	413	YD62213	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/10/2018
VIP	417	YD62217	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	418	YD62218	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	419	YD62219	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	420	YD62220	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	423	YD62223	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	424	YD62224	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	425	YD62225	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	426	YD62226	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	427	YD62227	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	428	YD62228	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	429	YD62229	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	430	YD62230	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	431	YD62231	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	432	YD62232	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	447	YD62247	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	448	YD62248	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	449	YD62249	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	450	YD62250	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	451	YD62251	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	452	YD62252	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	453	YD62253	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	454	YD62254	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	455	YD62255	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	456	YD62256	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	473	YD62273	Goldspike Exploration Inc.	Active	Whitehorse	115J13	7/1/2018
VIP	474	YD62274	Goldspike Exploration Inc.	Active	Whitehorse	115J13	7/1/2018
VIP	475	YD62275	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	476	YD62276	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	477	YD62277	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	478	YD62278	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018

Claim Name	Claim Number	Grant Number	Claim Owner (100%)	Status	District	NTS Mapsheet	Claim Expiry Date
VIP	479	YD62279	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	480	YD62280	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	481	YD62281	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	482	YD62282	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	483	YD62283	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	484	YD62284	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	485	YD62285	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	486	YD62286	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	493	YD62293	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	494	YD62294	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	495	YD62295	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	496	YD62296	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	497	YD62297	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	498	YD62298	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	507	YD12587	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	508	YD12588	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	509	YD12589	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	510	YD12590	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	511	YD12591	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	512	YD12592	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	513	YD12593	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	514	YD12594	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	515	YD12595	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	516	YD12596	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	517	YD12597	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	518	YD12598	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	519	YD12599	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	521	YD62101	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	522	YD62102	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	523	YD63653	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	524	YD63654	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	525	YD63655	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	526	YD63656	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	527	YD63657	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	528	YD63658	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	531	YD63661	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	532	YD63662	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	533	YD63663	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	534	YD63664	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	535	YD63665	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	536	YD63666	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	537	YD63667	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	538	YD63668	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	539	YD63669	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	540	YD63670	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	541	YD63671	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	542	YD63672	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	543	YD63673	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	544	YD63674	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018

Claim Name	Claim Number	Grant Number	Claim Owner (100%)	Status	District	NTS Mapsheet	Claim Expiry Date
VIP	545	YD63675	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	546	YD63676	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	547	YD63677	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	548	YD63678	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	549	YD63679	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	550	YD63680	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	551	YD63681	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	552	YD63682	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	553	YD63683	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	554	YD63684	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	555	YD63685	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	556	YD63686	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	557	YD63687	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	558	YD63688	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	559	YD63689	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	560	YD63690	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	561	YD63691	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	562	YD63692	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	563	YD63693	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	564	YD63694	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	565	YD63695	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	566	YD63696	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	567	YD63697	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	568	YD63698	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	570	YD63700	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	571	YD63699	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	572	YD64002	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	573	YD64003	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	574	YD64004	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	575	YD64005	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	576	YD64006	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	577	YD64007	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	578	YD64008	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	579	YD64009	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	580	YD64010	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	581	YD64011	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	582	YD64012	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	583	YD64013	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	584	YD64014	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	585	YD64015	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	586	YD64016	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	587	YD64017	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	588	YD64018	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	589	YD64019	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	590	YD64020	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	591	YD64021	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	592	YD64022	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	593	YD64023	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	594	YD64024	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016

[illegible]

Claim Name	Claim Number	Grant Number	Claim Owner (100%)	Status	District	NTS Mapsheet	Claim Expiry Date
VIP	693	YD63973	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	694	YD63974	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	695	YD63975	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	696	YD63976	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	697	YD63977	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	698	YD63978	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	699	YD63979	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	700	YD63980	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	701	YD63981	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	702	YD63982	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	703	YD63983	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	704	YD63984	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	705	YD63985	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	706	YD63986	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	707	YD63987	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2018
VIP	708	YD63988	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/7/2017
VIP	709	YD63989	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	710	YD63990	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	711	YD63991	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	712	YD63992	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	713	YD63993	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	714	YD63994	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	715	YD63995	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	716	YD63996	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	717	YD63997	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	718	YD63998	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	719	YD63999	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	720	YD64000	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	721	YD63801	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	722	YD63802	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	723	YD63803	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	724	YD63804	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	725	YD63805	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	726	YD63816	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	727	YD63817	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	728	YD63818	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	729	YD63819	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	730	YD63820	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	731	YD63821	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	732	YD63822	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	733	YD63823	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	734	YD63824	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	735	YD63825	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	737	YD63827	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	738	YD63828	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	739	YD63829	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	740	YD63830	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	741	YD63831	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	742	YD63832	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018

[illegible]

Claim Name	Claim Number	Grant Number	Claim Owner (100%)	Status	District	NTS Mapsheet	Claim Expiry Date
VIP	792	YD63882	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	793	YD62873	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	794	YD62874	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	795	YD62215	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	796	YD62216	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	797	YD63717	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	798	YD63718	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	799	YD63719	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	800	YD63720	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	801	YD63721	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	802	YD63722	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	803	YD63723	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	804	YD63724	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	805	YD63725	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	806	YD63726	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	807	YD63727	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	808	YD63728	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	809	YD63729	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	810	YD63730	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	811	YD63731	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	812	YD63732	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	813	YD63733	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	814	YD63734	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	815	YD63735	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	816	YD63736	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	817	YD63737	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	818	YD63738	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	819	YD63739	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	820	YD63740	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	825	YD63895	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	826	YD63896	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	827	YD63897	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	828	YD63898	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	829	YD63899	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	830	YD63900	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	831	YC86541	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	832	YC86542	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	833	YC86543	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	834	YD65754	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	835	YD65755	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	836	YD65756	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	837	YD65757	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	838	YD65758	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	839	YD65759	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	840	YD65760	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	841	YD65761	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	842	YD65762	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	843	YD65763	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	844	YD65764	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016

Claim Name	Claim Number	Grant Number	Claim Owner (100%)	Status	District	NTS Mapsheet	Claim Expiry Date
VIP	845	YD65765	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	846	YD65766	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	847	YD65767	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	850	YD63770	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	851	YD63771	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	852	YD63772	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	853	YD63773	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	854	YD63774	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	855	YD63775	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	856	YD63776	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	857	YD63777	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	858	YD14048	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	859	YD14049	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	860	YD14050	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	861	YD14051	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	862	YD14052	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	863	YD14053	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	864	YD14054	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	865	YD14055	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	866	YD14056	Goldspike Exploration Inc.	Active	Whitehorse	115J13	12/1/2016
VIP	867	YD63787	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	869	YD63789	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
XT	7	YD51007	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
XT	8	YD51008	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
XT	9	YD51009	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
XT	10	YD51010	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
XT	11	YD51011	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
XT	12	YD51012	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
XT	265	YD51265	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
XT	266	YD51266	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
XT	267	YD51267	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
XT	268	YD51268	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
XT	299	YD51299	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
XT	300	YD51300	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
XT	329	YD51329	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
XT	330	YD51330	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
XT	359	YD51359	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
XT	360	YD51360	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	1000F	YD129240	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	1001F	YD129241	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	1002F	YD129242	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	1003F	YD129243	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	1004F	YD129244	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VIP	1005F	YD129245	Goldspike Exploration Inc.	Active	Whitehorse	115J13	6/1/2018
VP	1	YF46601	Goldspike Exploration Inc.	Active	Whitehorse	115J13	8/7/2016
VP	2	YF46602	Goldspike Exploration Inc.	Active	Whitehorse	115J13	8/7/2016
VP	3	YF46603	Goldspike Exploration Inc.	Active	Whitehorse	115J13	8/7/2016
NZ	1	YF04723	Goldspike Exploration Inc.	Pending	Whitehorse	115J13	5/17/2017
NZ	2	YF04724	Goldspike Exploration Inc.	Pending	Whitehorse	115J13	5/17/2017

Claim Name	Claim Number	Grant Number	Claim Owner (100%)	Status	District	NTS Mapsheet	Claim Expiry Date
NZ	52	YF04882	Goldspike Exploration Inc.	Pending	Whitehorse	115J13	5/17/2017
NZ	53	YF04883	Goldspike Exploration Inc.	Pending	Whitehorse	115J13	5/17/2017
NZ	54	YF04884	Goldspike Exploration Inc.	Pending	Whitehorse	115J13	5/17/2017
NZ	55	YF04885	Goldspike Exploration Inc.	Pending	Whitehorse	115J13	5/17/2017
NZ	56	YF04886	Goldspike Exploration Inc.	Pending	Whitehorse	115J13	5/17/2017
NZ	57	YF04887	Goldspike Exploration Inc.	Pending	Whitehorse	115J13	5/17/2017
NZ	58	YF04888	Goldspike Exploration Inc.	Pending	Whitehorse	115J13	5/17/2017
NZ	59	YF04889	Goldspike Exploration Inc.	Pending	Whitehorse	115J13	5/17/2017
NZ	60	YF04890	Goldspike Exploration Inc.	Pending	Whitehorse	115J13	5/17/2017
NZ	61	YF04891	Goldspike Exploration Inc.	Pending	Whitehorse	115J13	5/17/2017
NZ	62	YF04892	Goldspike Exploration Inc.	Pending	Whitehorse	115J13	5/17/2017
NZ	63	YF04893	Goldspike Exploration Inc.	Pending	Whitehorse	115J13	5/17/2017
NZ	64	YF04894	Goldspike Exploration Inc.	Pending	Whitehorse	115J13	5/17/2017

Appendix II: Precision GeoSurveys Airborne Geophysical Survey Report

Airborne Geophysical Survey Report



Precision
GeoSurveys Inc.

VIP Property

Prepared for: 2258501 Ontario Inc.

December 2010
Jenny Poon, B.Sc., GIT

Table of Contents

1.0	Introduction.....	1
2.0	Geophysical Data.....	2
2.1	Magnetic Data.....	2
2.2	Radiometric Data.....	3
3.0	Survey Operations.....	3
4.0	Equipment.....	4
4.1	AGIS.....	4
4.2	Spectrometer.....	5
4.3	Magnetometer.....	5
4.4	Base Station.....	6
4.5	Laser Altimeter.....	7
5.0	Data Processing.....	7
5.1	Magnetic Processing.....	7
5.2	Radiometric Processing.....	8
5.3	Final Data Format.....	8
	Appendix A: Maps.....	9

Introduction:

This report outlines the survey operations and data processing actions taken during the airborne geophysical survey flown at the VIP Block. The airborne geophysical survey was flown by Precision GeoSurveys Inc. for 2258501 Ontario Inc. The geophysical survey, carried out from December 11, 2010 to December 18, 2010, saw the acquisition of gamma ray spectrometer data and magnetic data.

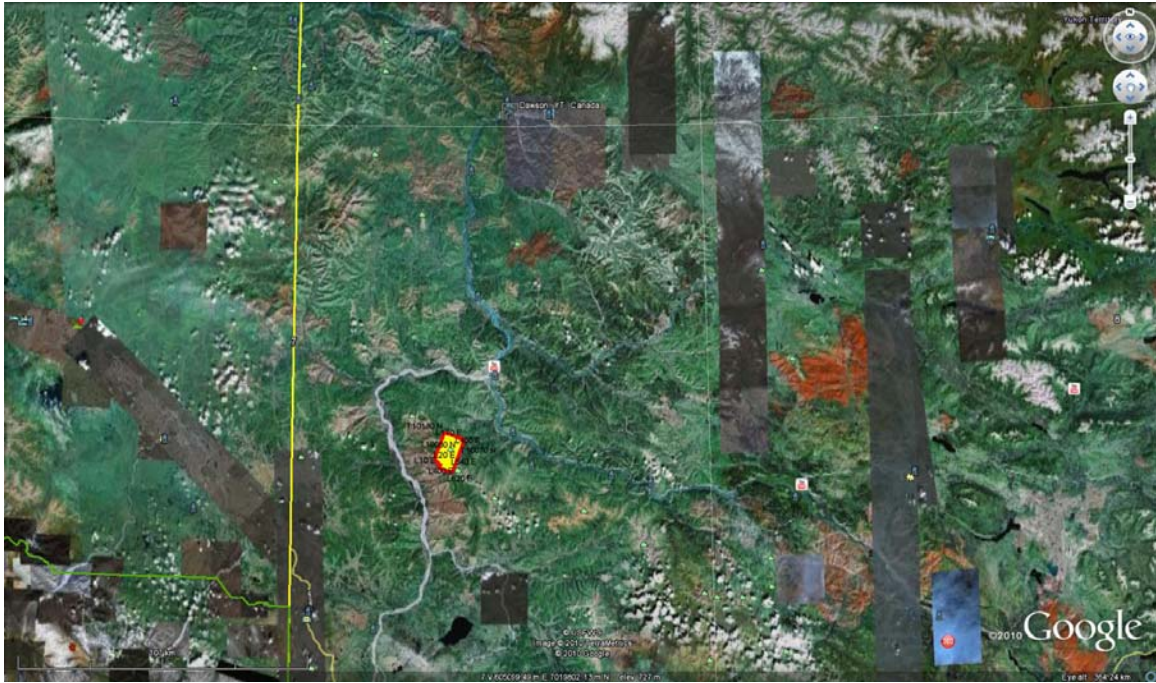


Figure 1: VIP Block area location relative to Dawson, YT.

The VIP Block is located south of Dawson, YT and north of Thistle Creek (Figure 1). It is located approximately 125 km south-west of Dawson, YT (Figure 2). The survey area itself is approximately 7.5 km by 12 km. A total of 1055 line kilometers of radiometric and magnetic data were flown for this survey; this total includes tie lines and survey lines. The survey lines were flown at 100 meter spacings at a 020°/200° heading; the tie lines were flown at 1 km spacings at a heading of 110°/290°.



Figure 2: Survey and tie lines outlined in yellow and the boundary in red.

1.0 Geophysical Data:

Geophysical data are collected in a variety of ways and are used to aid in the exploration and determination of geology, mineral deposits, oil and gas deposits, contaminated land sites and UXO detection.

For the purposes of this survey, airborne gamma ray spectrometer and magnetic data were collected to serve in the exploration of the VIP Block which contains rocks that are prospective for gold mineralization.

2.1 Magnetic Data:

Magnetic surveying is probably the most common airborne survey type to be conducted for both mineral and hydrocarbon exploration. The type of survey specifications, instrumentation, and interpretation procedures, depend on the objectives of the survey. Typically magnetic surveys are performed for:

1. Geological Mapping to aid in mapping lithology, structure and alteration in both hard rock environments and for mapping basement lithology, structure and alteration in sedimentary basins or for regional tectonic studies.
2. Depth to Basement mapping for exploration in sedimentary basins or mineralization associated with the basement surface.

2.2 Radiometric Data:

Radiometric surveys detect and map natural radioactive emanations, called gamma rays, from rocks and soils. All detectable gamma radiation from earth materials come from the natural decay products of three primary elements: uranium, thorium, and potassium. The purpose of radiometric surveys is to determine either the absolute or relative amounts of U, Th, and K in surface rocks and soils.

3.0 Survey Operations:

Precision GeoSurveys flew the VIP Block using a Bell 206 BIII Jet Ranger (Figure 3). The survey lines were flown at a nominal line spacing of one hundred (100) meters and the tie lines were flown at 1 km spacing for both the spectrometer and magnetometer as they were acquired simultaneously. The average survey elevation was 37 meters vertically above ground as to avoid dead white spots on the snow covered mountains. The experience of the pilot helped to ensure that the data quality objectives were met and that the safety of the flight crew was never compromised given the potential risks involved in airborne surveying.



Figure 3: Bell 206 Jet Ranger equipped with mag stinger for magnetic data acquisition.

The base of operations for this survey was in Dawson, YT. The Precision crew consisted of a total of three members:

John Withem– Pilot
Shawn Walker – Operator
Jenny Poon –On-site Geophysicist

The survey was started on December 11, 2010 and completed on December 18, 2010. The survey was complete with delays due to low cloud ceilings and from magnetic solar storms and the survey was flown with variable snow covered conditions.

4.0 Equipment:

For this survey a magnetometer, spectrometer, base station, laser altimeter, and a data acquisition system were required to carry out the survey and collect quality, high resolution data.

4.1 AGIS:

The Airborne Geophysical Information System, AGIS, (Figure 4), is the main computer used in data recording, data synchronizing, displaying real-time QC data for the geophysical operator, and generation of navigation information for the pilot display system.



Figure 4: AGIS installed in the Bell 206.

The AGIS was manufactured by Pico Envirotec; therefore the system uses standardized Pico software and external sources are connected to the system via RS-232 serial communication cables. The AGIS data format is easily converted into Geosoft or ASCII file formats by a supplied conversion program called PEIView. Additional Pico software allows for post survey quality control procedures.

4.2 Spectrometer:

The IRIS, or Integrated Radiometric Information System is a fully integrated, gamma radiation detection system containing two downward facing NaI detecting crystals for a total volume of 8.4 litres (Figure 5). Real time data acquisition, navigation and

communication tasks are integrated into a single unit that is installed in the rear of the aircraft as indicated below. Information such as total count, counts of various elements (K, U, Th, etc.), temperature, barometric pressure, atmospheric humidity and survey altitude can all be monitored on the AGIS screen for immediate QC. All the radiometric data are recorded at 1 Hz.



Figure 5: IRIS strapped into the cargo box of the helicopter.

4.3 Magnetometer:

The magnetometer used by Precision GeoSurveys is a Scintrex cesium vapor CS-3 magnetometer. The system was housed in a front mounted “stinger” (Figure 6). The CS-3 is a high sensitivity/low noise magnetometer with automatic hemisphere switching and a wide voltage range, the static noise rating for the unit is ± 0.01 nT. On the AGIS screen the operator can view the raw magnetic response, the magnetic fourth difference and the survey altitude for immediate QC of the magnetic data. The magnetic data are recorded at 10 Hz. A magnetic compensator is also used to remove noise created by the movement of the helicopter as it pitches, rolls and yaws within the Earth’s geomagnetic field.



Figure 6: View of the mag stinger.

4.4 Base Station:

For monitoring and recording of the Earth's diurnal magnetic field variation, Precision GeoSurveys uses a Scintrex proton precession Envi Pro magnetometer as its base station (Figure 7). This is mounted as close to the survey block as possible to give high, accurate magnetic field data. The Envi Pro base station, uses the well proven precession technology to sample at a rate of 0.5 Hz. A GPS is integrated with the system to record real GPS time that is used to correlate with the GPS time collected by the airborne CS-3 magnetometer.



Figure 7: Scintrex Envi Pro proton precession magnetometer.

4.5 Laser Altimeter:

The pilot is provided with terrain guidance and clearance with an Acuity AccuRange AR3000 laser altimeter (Figure 8). This is attached at the aft end of the magnetometer boom. The AR3000 sensor is a time-of-flight sensor that measures distance by a rapidly-modulated and collimated laser beam that creates a dot on the target surface. The maximum range of the laser altimeter is 300 m off of natural surfaces with 90% reflectance and 3 km off special reflectors. Within the sensor unit, reflected signal light is collected by the lens and focused onto a photodiode. Through serial communications and analog outputs, the distance data are transmitted and collected by the AGIS at 10 Hz.



Figure 8: Acuity AccuRange AR3000 laser altimeter.

5.0 Data Processing:

After all the data are collected after a survey flight several procedures are undertaken to ensure that the data meet a high standard of quality. All data were processed using Pico Envirotec software and Geosoft Oasis Montaj geophysical processing software.

5.1 Magnetic Processing:

During aeromagnetic surveying noise is introduced to the magnetic data by the aircraft itself, movement in the aircraft (roll, pitch and yaw) and the permanent magnetization of the aircraft parts (engine and other ferric objects) are large contributing factors to this noise. To remove this noise a process called magnetic compensation is implemented. The magnetic compensation process starts with a test flight at the beginning of the survey where the aircraft flies in the four orthogonal headings required for the survey ($000^{\circ}/152^{\circ}$ and $080^{\circ}/217^{\circ}$ in the case of this survey) at an elevation where there is no ground effect in the magnetic data. In each heading roll, pitch and yaw maneuvers are performed by the pilot, these maneuvers provide the data that is required to calculate the necessary parameters for compensating the magnetic data. A computer program called PEIComp is used to create a model for each survey to remove the noise induced by aircraft movement; this model is applied to each survey flight so the data can be further processed.

A magnetic base station is set up before every flight to ensure that diurnal activity is recorded during the survey flights. Precision GeoSurveys uses a Geometrics 858 base station and sampled at 0.1Hz. Base station readings were reviewed at regular intervals to insure that no data were collected during periods with high diurnal activity (greater than 5 nT per minute). The base station was installed at a magnetically noise-free area, away from metallic items such as steel objects, vehicles, or power lines. The magnetic variations recorded from the stationary base station are removed from the magnetic data recorded in flight to ensure that the anomalies seen are real and not due to solar activity.

Some filtering of the magnetic data is also required. A Non Linear filter was used for spike removal. The 1D Non-Linear Filter is ideal for removing very short wavelength, but high amplitude features from data. It is often thought of as a noise spike-rejection filter, but it can also be effective for removing short wavelength geological features, such as signals from surficial features. The 1D Non-Linear Filter is used to locate and remove data that are recognized as noise. The algorithm is 'non- linear' because it looks at each data point and decides if that datum is noise or a valid signal. If the point is noise, it is simply removed and replaced by an estimate based on surrounding data points. Parts of the data that are not considered noise are not modified. The combination of a Non-Linear filter for noise removal and a low pass trend enhancement filter resulted in level data as indicated in the results section of this report. The low pass filters simply smoothes out the magnetic profile to remove isolated noise.

A lag correction of 1.7 seconds was applied to the total magnetic field data to compensate for the lag in the recording system as the magnetometer sensor flies 6.45 m ahead of the GPS antenna.

5.2 Radiometric Processing:

Radiometric data were collected simultaneously with the magnetic data and with variable thick deposit of snow, lag correction of 1.4 secs was corrected for the radiometric data only.

5.3 Final Data Format

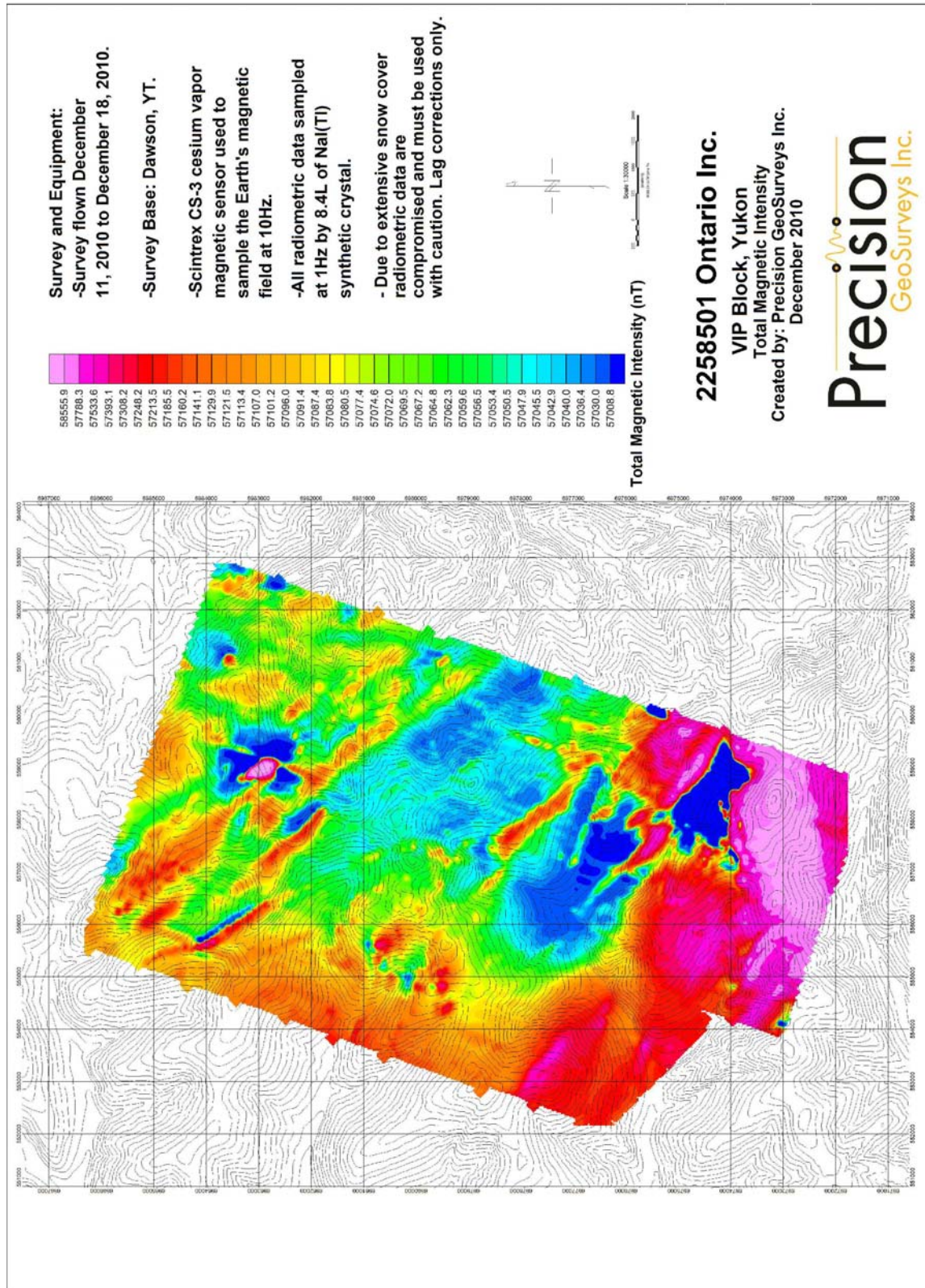
Abbreviations used in the GDB files are as follows:

X – Easting in WGS84, UTM zone 7N
Y – Northing in WGS84, UTM zone 7N
galt – gps altimeter readings
lalt – laser altimeter readings
dtm – digital terrain model
GPStime– GPS time
basemag – diurnal data
mag – total magnetic field
TC_lag_corr – lag corrected total count
K_lag_corr – lag corrected potassium
U_lag_corr – lag corrected uranium
Th_lag_corr – lag corrected thorium

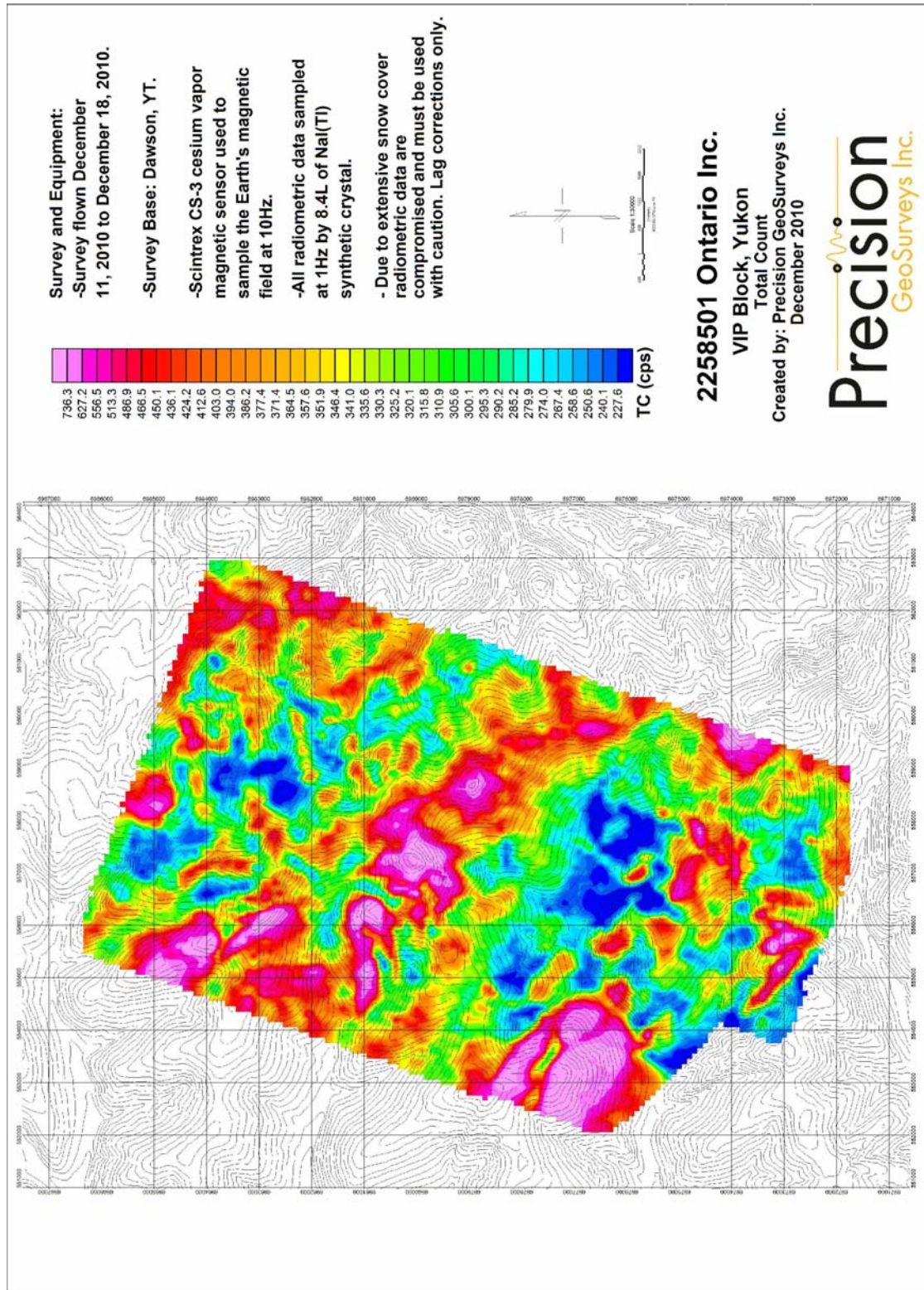
The file format will be provided in two (2) formats, the first will be a .GDB file for use in Geosoft Oasis Montaj, the second format will be a .XYZ file, this is text file. A complete file provided in each format will contain both radiometric and magnetic data.

Appendix A

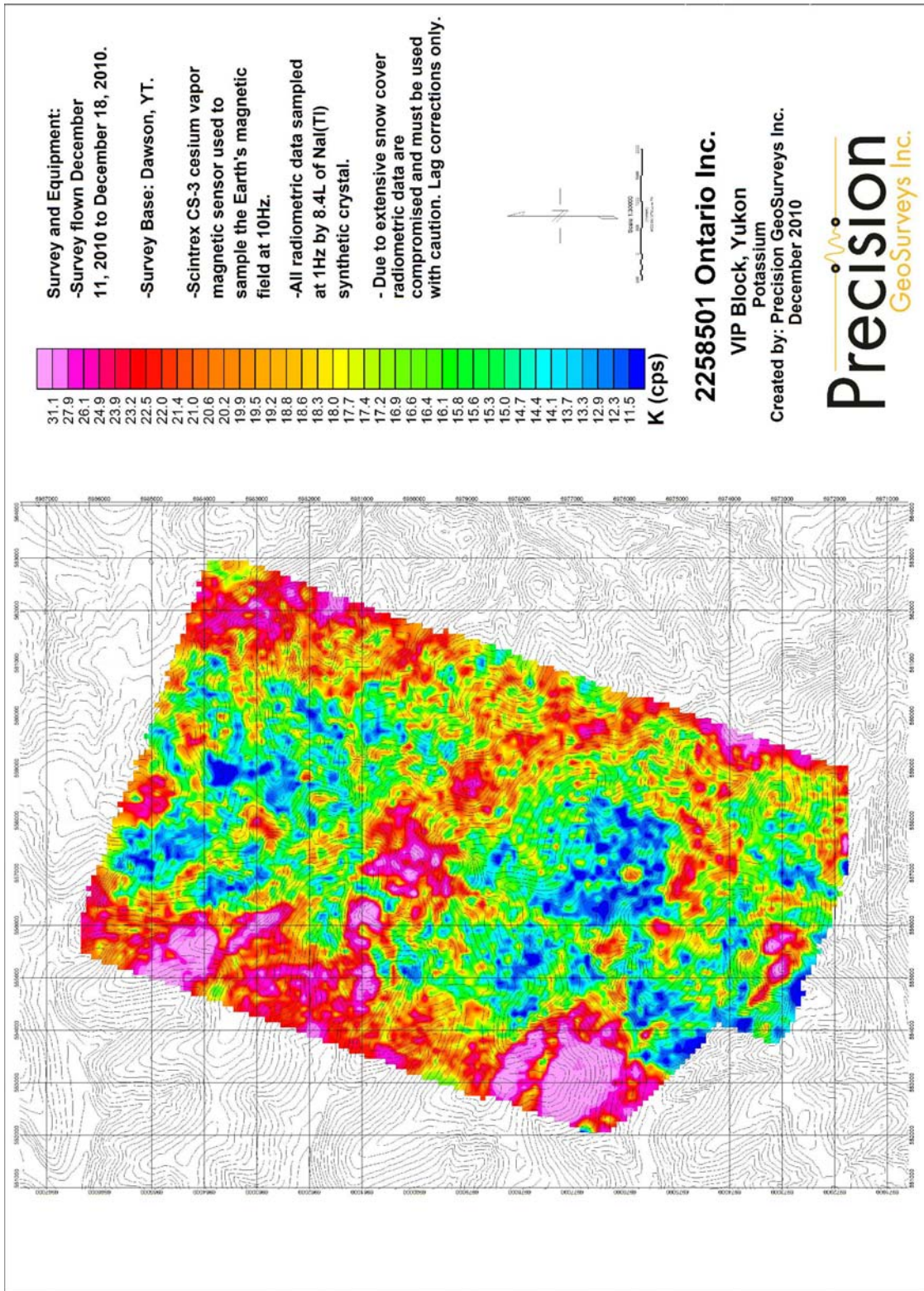
Maps



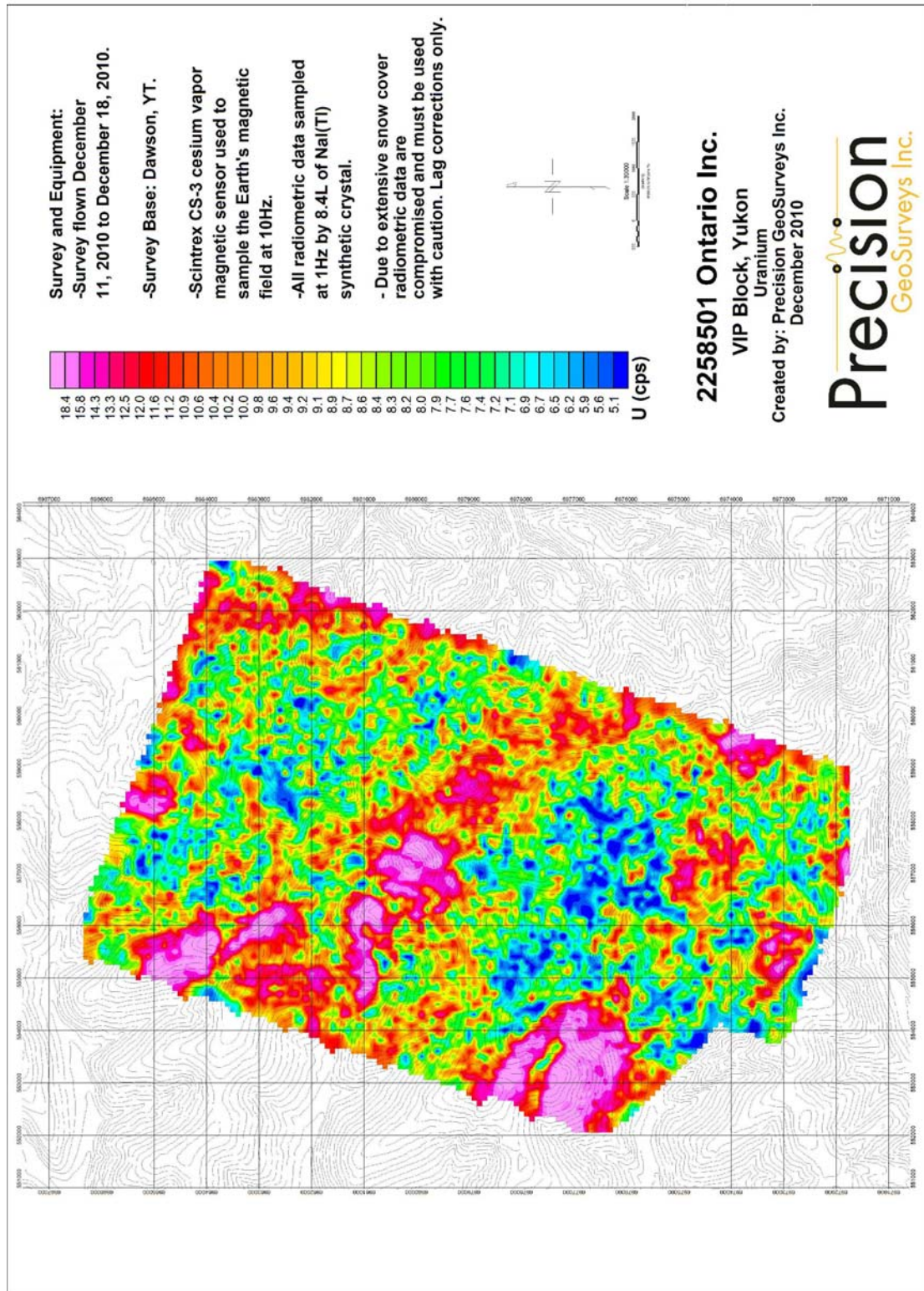
Map 1: VIP Block total magnetic intensity.



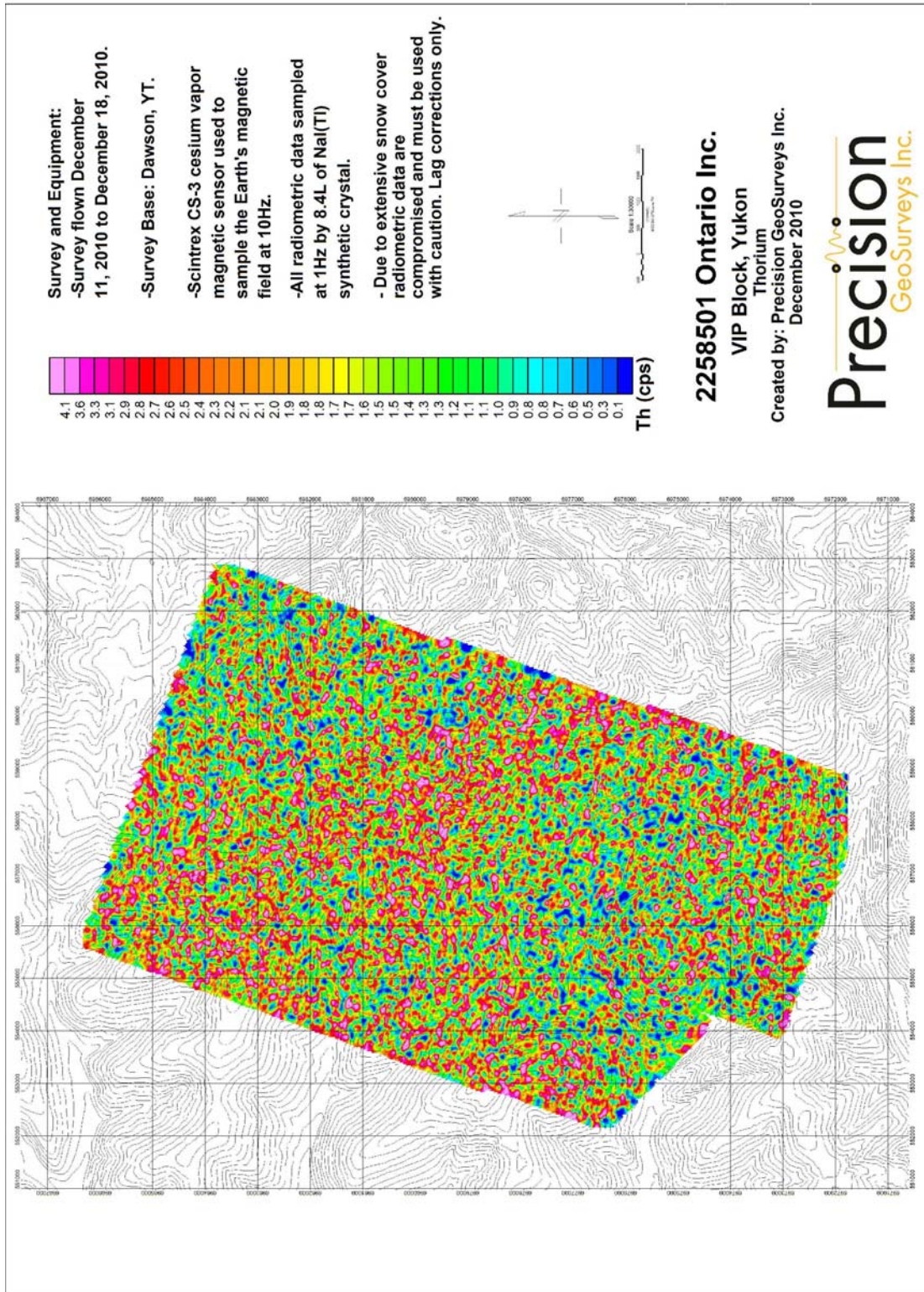
Map 2: VIP Block total count lag corrected.



Map 3: VIP Block potassium lag corrected.



Map 4: VIP Block uranium lag corrected.



Map 5: VIP Block thorium lag corrected.

Appendix III: Precision GeoSurveys Airborne Geophysical Interpretation Report

AIRBORNE GEOPHYSICAL INTERPRETATION REPORT



VIP Block Prepared for Nevada Zinc Corp.

Shawn Walker, M.Sc., G.I.T.
Precision GeoSurveys Inc.
www.precisiongeosurveys.com
520-355 Burrard St., Vancouver, BC
Canada V6C 2G8
604-484-9402

May 2016

Table of Contents

1.0	Introduction.....	1
2.0	Interpretation Procedures.....	2
3.0	Target Response.....	3
4.0	Interpretation.....	3
5.0	Deliverables.....	4
5.1	Maps.....	4
6.0	Recommendations.....	4

List of Figures

Figure 1:	VIP Block area location relative to Dawson, YT.....	1
Figure 2:	Survey and tie lines outlined in yellow and the boundary in red.....	2
Figure 3:	VIP block with areas of interest outlined in red; Zone A and Zone B.....	5

List of Appendices

Appendix A: References

Appendix B: VIP Block Interpretation Maps

1.0 Introduction:

This report details the interpretation of geophysical data collected by Precision GeoSurveys Inc. for Nevada Zinc Corp. The interpretation was performed on airborne magnetic data collected in December 2010, on the VIP Block.

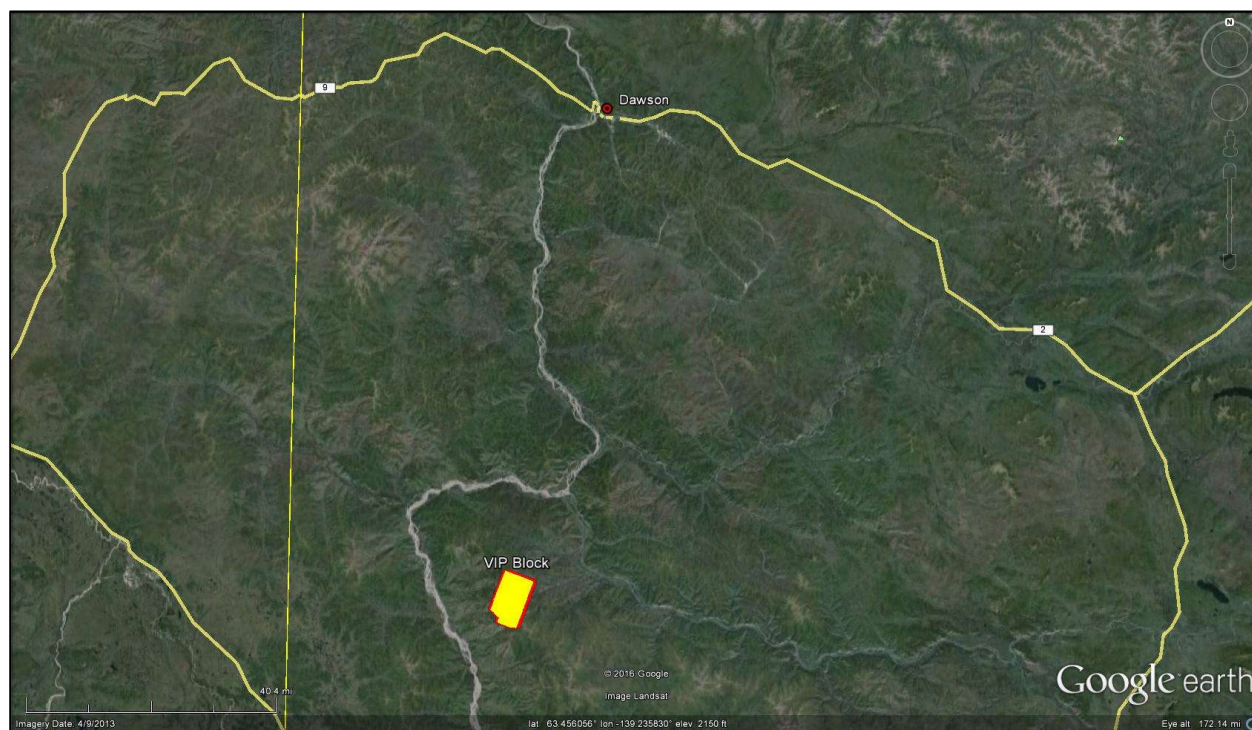


Figure 1: VIP Block area location relative to Dawson, YT.

The VIP Block is located centered at 557500m E, 6979000m N (Figure 1). It is located approximately 125 km south-west of Dawson, YT. The survey area itself is approximately 7.5 km by 12 km. A total of 1055 line kilometers of magnetic and radiometric data were flown for this survey; this total includes tie lines and survey lines. Only the magnetic data were interpreted for this report. The survey lines were flown at 100 meter spacing at a 020°/200° heading; the tie lines were flown at 1000 meter spacing at a heading of 110°/290° (Figure 2).



Figure 2: Survey and tie lines outlined in yellow and the boundary in red.

All locations are expressed in UTM Zone 7N with respect to the WGS84 datum. The magnetic data was collected using a Scintrex cesium vapor CS-3 magnetometer at a sample rate of 10 Hz. The system was mounted on the front of the helicopter in an approved “stinger” configuration.

2.0 Interpretation Procedures:

To interpret the magnetic data, the original data was reviewed to determine what further processing steps were required. After initial review, the data was micro-leveled to further reduce any remaining corrugation features in the original magnetic data. The International Geomagnetic Reference Field (IGRF) model was then calculated based on the survey dates and location. The IGRF model provided a background magnetic field that was then removed from the micro-leveled data to yield the Residual Magnetic Intensity (RMI) of the survey area. The RMI was gridded using a cell size of 25 metres, a quarter (1/4) of the survey line spacing, for further processing filters to be applied to.

The Calculated Vertical Gradient (CVG) was calculated and used to determine the initial structural interpretation. A downward continuation filter of 20 metres was then performed to create a filtered grid that would allow targets below magnetically quiet overburden to be emphasized. This gives a clearer picture of the structure, and can highlight changes or breaks along the structure. An upward continuation filter of 100 metres was performed to act as a low pass filter in order to detrend the data and confirm the structural interpretation. To help identify the edges of the interpreted structures, a Horizontal Gradient (HG) filter was applied to the RMI data.

Final maps (Appendix B) were created for each processing tool and the interpreted structure was overlain. Soil geochemistry values provided by the client were also included on the maps.

3.0 Target Response:

Epithermal mineral deposits are often hosted in structurally controlled features. These features include faults and shear zones, which act as hydrothermal conduits, and units which cut across these conduits.

The magnetic data are first analyzed to determine primary structures. Linear structures such as faults and shear zones tend to show up on airborne magnetic surveys as long linear magnetic highs, paralleled by a corresponding magnetic low along the strike of the structure. Cross cutting offset in these linear features can be interpreted as faults.

Circular magnetic highs surrounded by a magnetic low are generally interpreted as intrusive bodies. Whether they cross cut any other features will help to determine their relative age.

Certain features, such as large magnetic anomalies that coincide with topographic highs, do not indicate structural features like faults or shear zones. These are generally identified as units that are resistant to weathering with iron content higher than the surrounding units.

4.0 Interpretation:

The primary structure of the VIP Block are a series of lineations that are oriented NW to SE. There is offset to some of these lineations, indicating secondary faulting.

On the southern corner of the block, there is a large magnetic high associated with a topographic high. This would indicate a large resistive unit that would normally not be of much interest. However, the offset and rotation of the unit with the lineations immediately to the west indicate that there may be faulting around the unit.

On the northeastern section of the grid are two magnetic highs that would indicate intrusive bodies. The larger, western anomaly also cross cuts some of the NW/SE lineations, indicating that it is a younger unit.

Along the western edge of the survey area are two anomalies that are somewhat circular in shape but with a much lower residual magnetic intensity. The shape would indicate that they could possibly be intrusive units, while the lower magnetic signature would indicate that they may be much older and more heavily altered.

5.0 Deliverables

All digital data are presented on a USB memory stick with the logistic report. The survey data are presented as maps, geotiffs, and a report.

5.1 Maps

Digital maps were created for the VIP interpretation report. The following map products were prepared:

Overview Maps (colour image with elevation contour lines):

- Interpreted Structure with Digital Terrain Model (VIP_InterpStructure_withDTM)

Magnetic Maps (colour image with elevation contour lines):

- Residual Magnetic Intensity with Interpreted Structure (VIP_RMIwStructure)
- Calculated Vertical Gradient with Interpreted Structure (VIP_CVGwStructure)
- Downward Continuation of 20 m (VIP_DownwardContinuation)
- Downward Continuation of 20 m with Interpreted Structure (VIP_DownwardContinuation_wStructure)
- Upward Continuation of 100 m (VIP_UpwardContinuation)
- Upward Continuation of 20 m with Interpreted Structure (VIP_UpwardContinuation_wStructure)
- Calculated Horizontal Gradient (VIP_HG) of RMI
- Calculated Horizontal Gradient with Interpreted Structure (VIP_HGwStructure)

6.0 Recommendations:

The VIP block contains several NW/SE striking lineations as well as cross cutting faults that could indicate hydrothermal conduits that would be of interest (Figure 3).

The main area of interest should include the southern corner (Zone A in Figure 3) of the VIP block where there appears to be faulting of a larger unit creating potential zones of epithermal deposits.

The northern section of the block (Zone B in Figure 3) may also be an area that needs further evaluation due to the concentration of shear or fault zones as well as the relatively young intrusive unit.

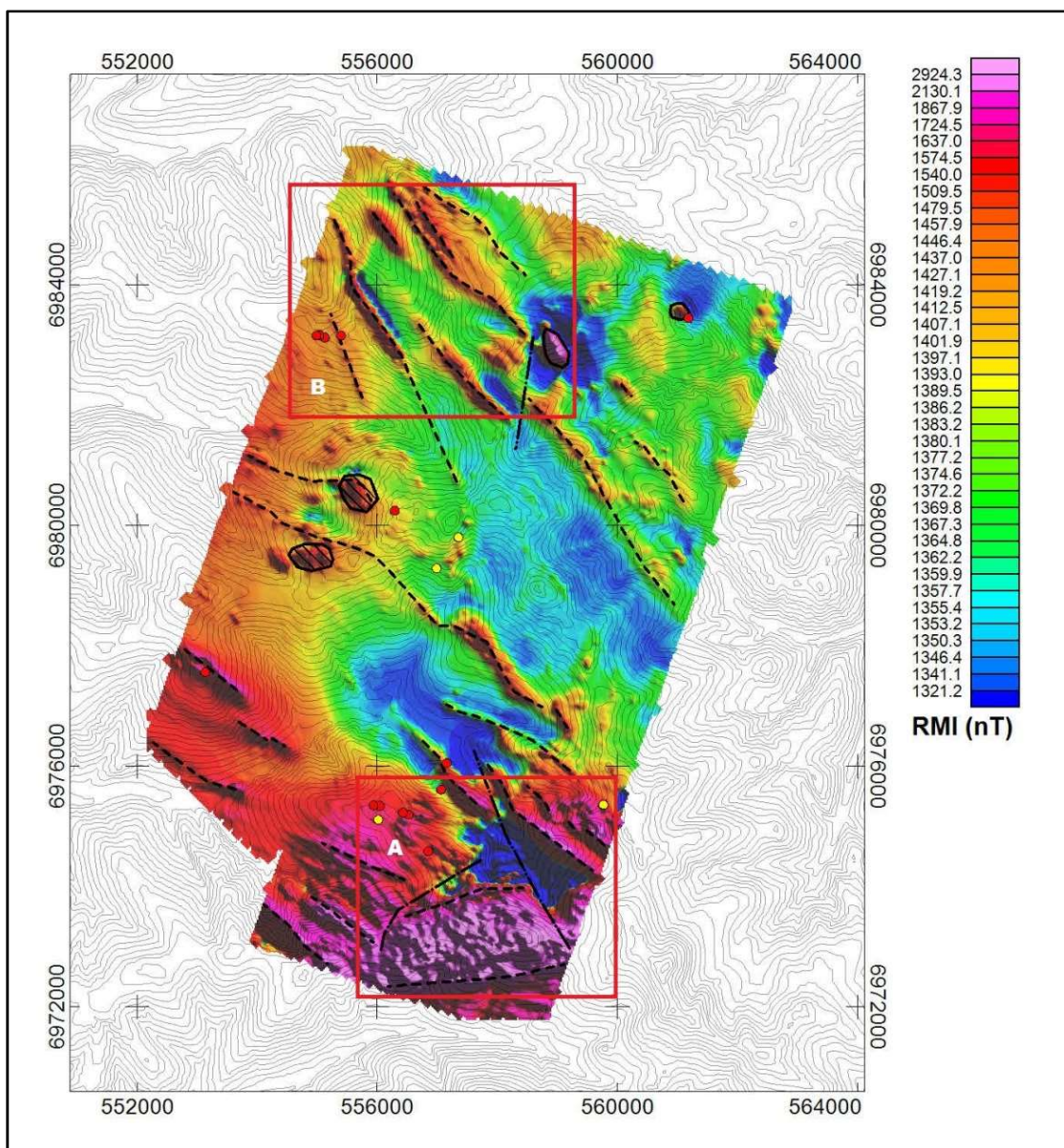


Figure 3: VIP block with areas of interest outlined in red; Zone A and Zone B.

Appendix A

References

List of references used in this report

Precision GeoSurveys Inc. (2010). Airborne Geophysical Survey Report-2258501 Ontario Inc._VIP Block.

Bournas, N., Baker, H.A., 2001, Interpretation of Magnetic Anomalies Using the Horizontal Gradient Analysis Signal: *Annali Di Geofisica*, Vol. 44, no. 3, pp. 505-526

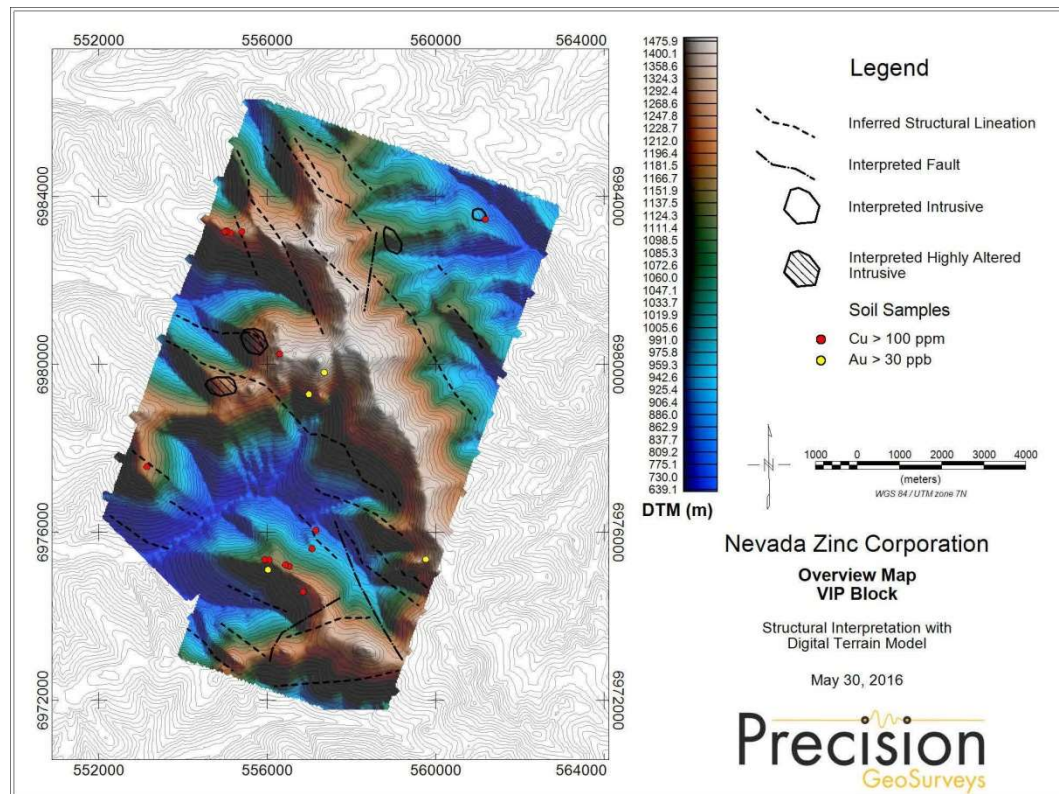
Taylor, B.E., 2007, Epithermal gold deposits, *in* Goodfellow, W.D., ed., Mineral Deposits of Canada: A Synthesis of Major Deposit-Types, District Metallogeny, the Evolution of Geological Provinces, and Exploration Methods: Geological Association of Canada, Mineral Deposits Division, Special Publication No. 5, p. 113-139.

Telford, W. M., Geldart, L.P., Sheriff, R.E., Applied Geophysics – 2nd ed., Cambridge: Cambridge University Press, 1990

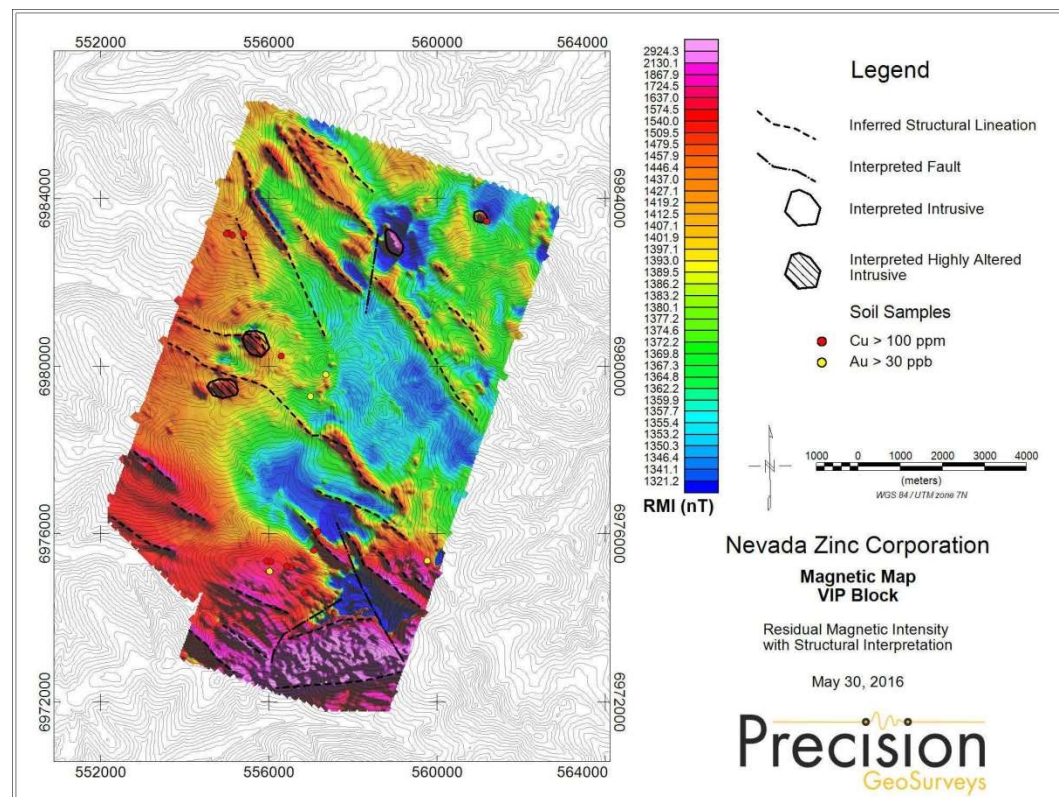
White, N. C., Hedenquist, J. W., 1995, Epithermal Gold Deposits: Styles, Characteristics and Exploration: Society of Economic Geologists Newsletter, no. 23, pp. 1, 9-13

Appendix B

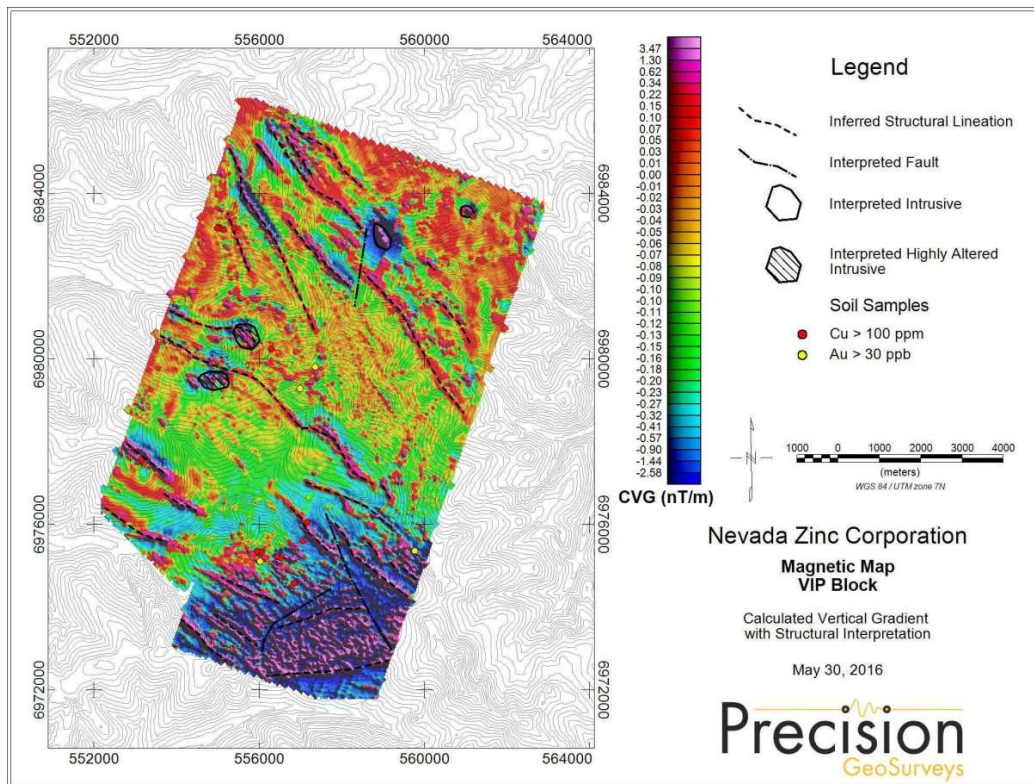
VIP Block Interpretation Maps



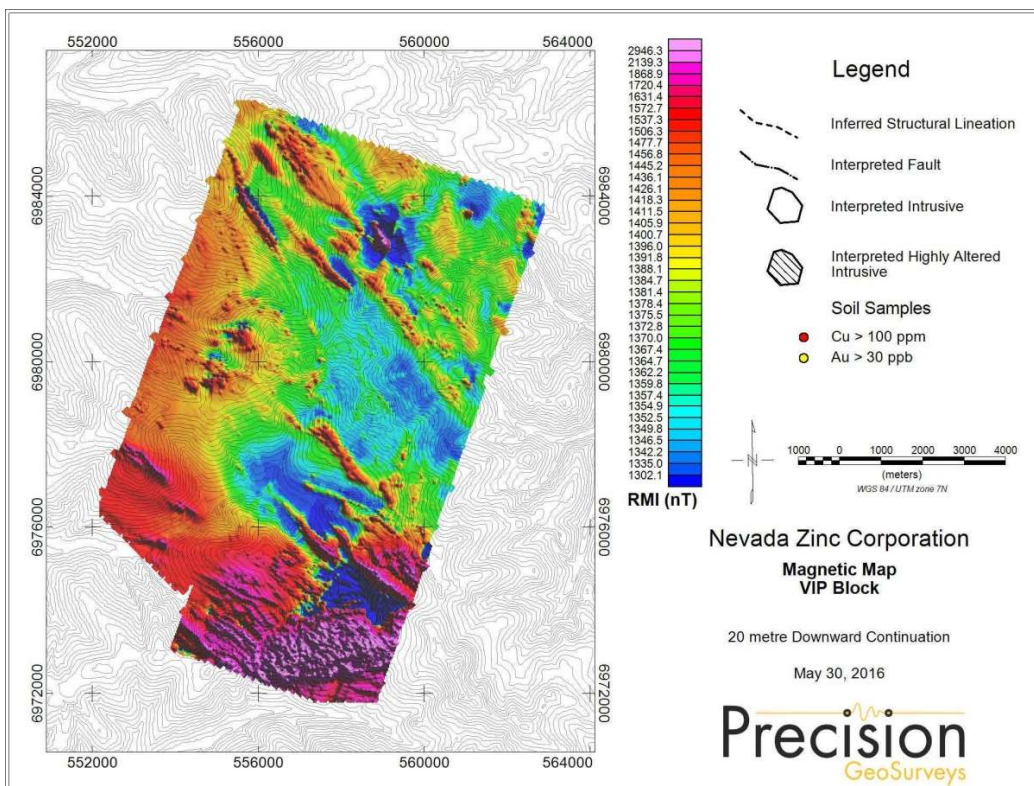
Map 1: VIP Block digital terrain model with interpreted structure.



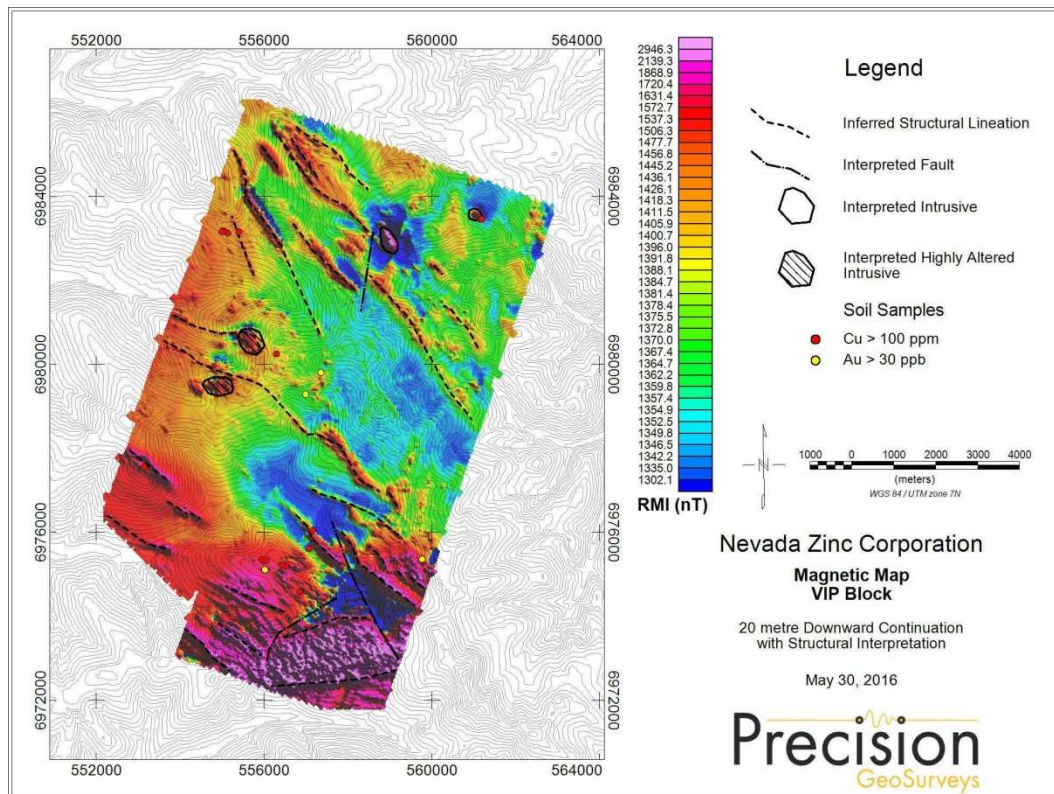
Map 2: VIP Block residual magnetic intensity with interpreted structure.



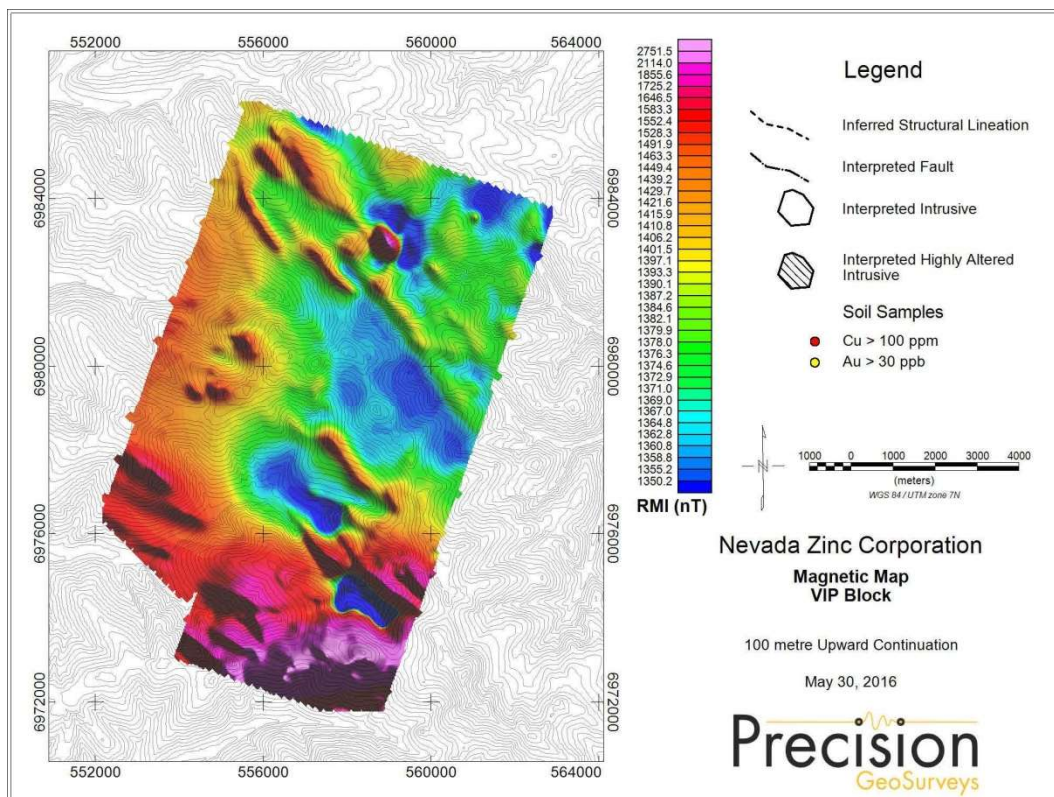
Map 3: VIP Block calculated vertical gradient of the residual magnetic intensity with interpreted structure.



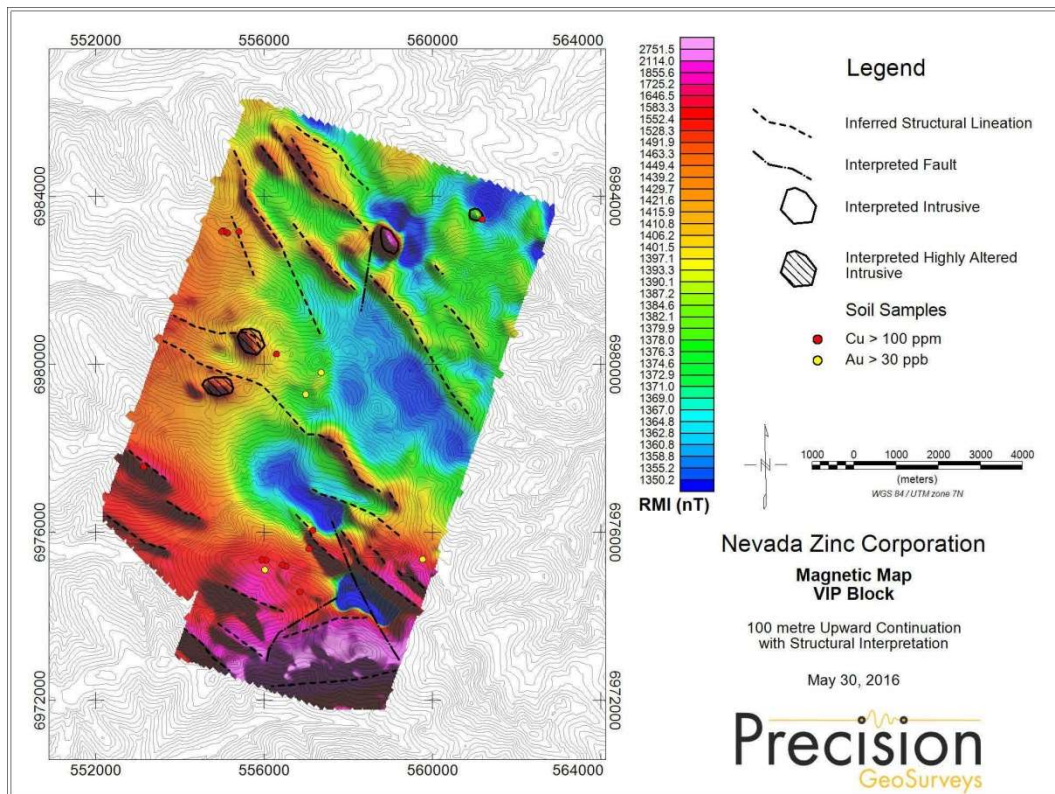
Map 4: VIP Block downward continuation of 20 m.



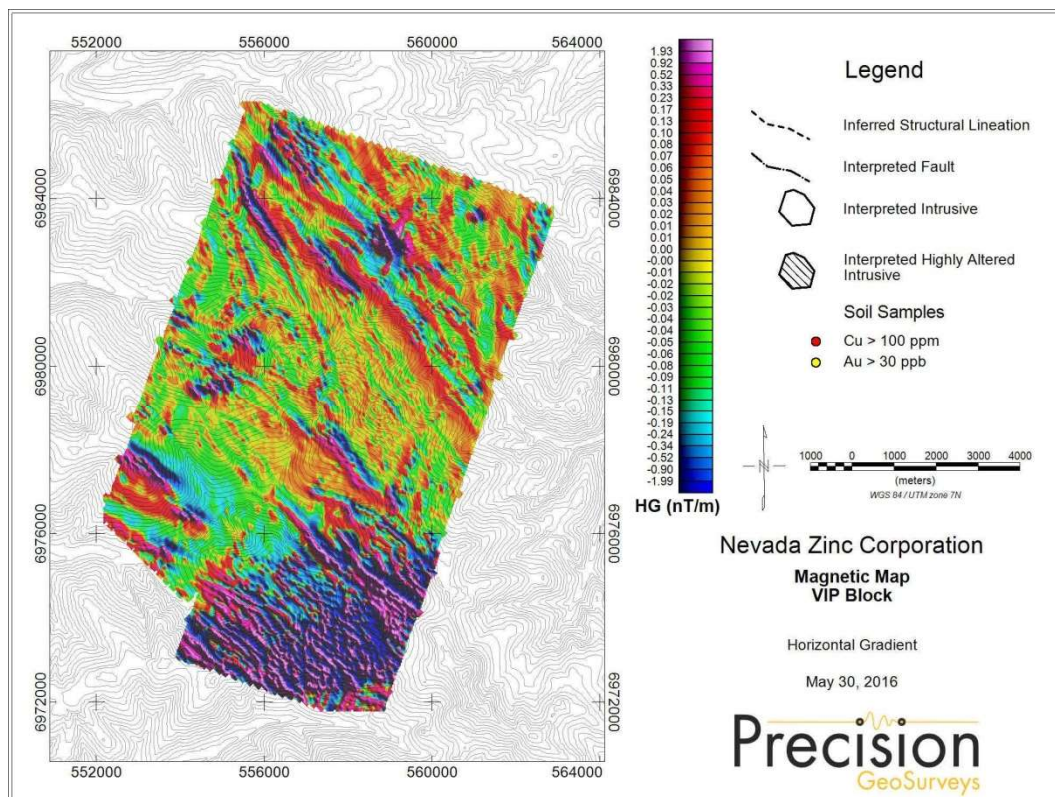
Map 5: VIP Block downward continuation of 20 m with interpreted structure.



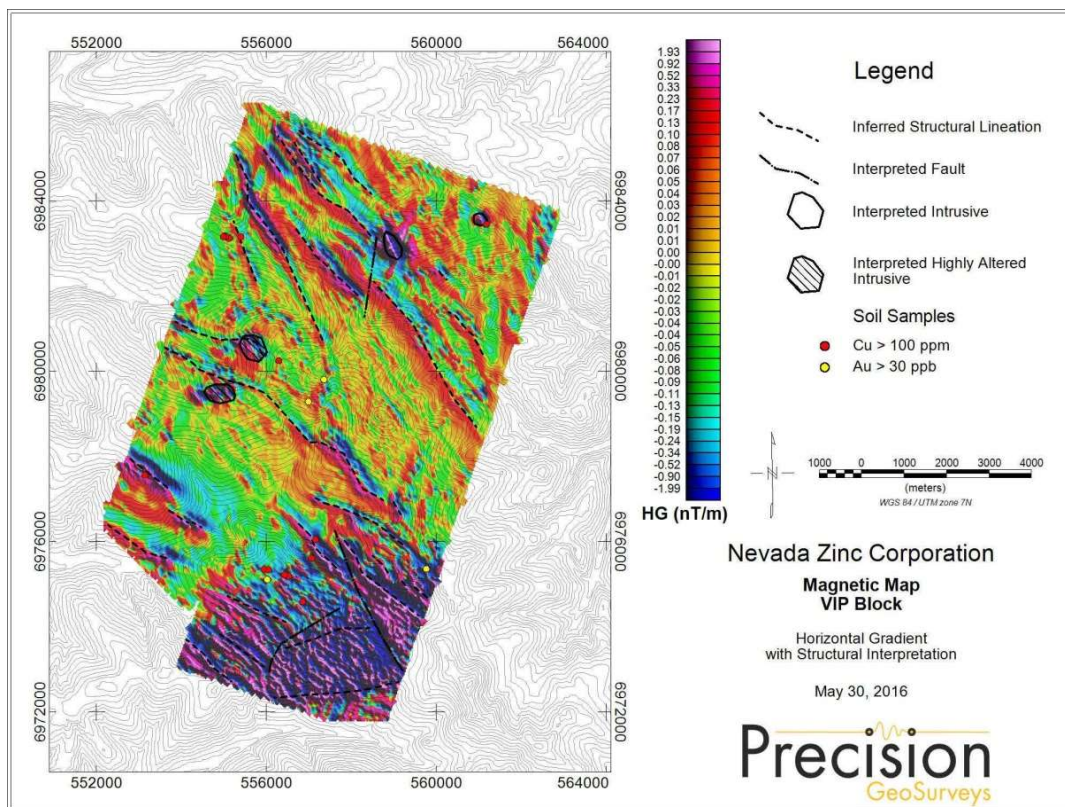
Map 6: VIP Block upward continuation of 100 m.



Map 7: VIP Block upward continuation of 100 m with interpreted structure.



Map 8: VIP Block calculated horizontal gradient of the residual magnetic intensity.



Map 9: VIP Block calculated horizontal gradient of the residual magnetic intensity with interpreted structure.