

'Julsey D' Claims Technical Report
Geochemical Survey of Soil and Silt Samples
Julsey D 73-88 Claims, Grant #s YD64136 - YD64151

West of Km 155, Campbell Highway
UTM Center - 9v 466700 E, 6789900 N
Claims Ownership - 100% Everett Van Krichbaum

July 4, 2012 and July 24, 2012

Claim Maps 105 H/04, 105 H/05
Watson Lake Mining District

by Van Krichbaum

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1. INTRODUCTION

LOCATION & ACCESS

The Julsey D claims are located 3.5 Km west of the Campbell Highway at Km 155 and can be reached by a 4 Km hike from Km 157 or motorized ATV access to within 3.6 Km using the gazetted trail at Km 160 to the West and overland cross-country to the camp site indicated on the map in the Work Program Section.

CLIMATE

Most of the Yukon has a subarctic climate (Köppen climate classification Dfc), characterized by long cold winters and brief warm summers. The climate is generally very dry, with little precipitation, but is considerably wetter in the southeast. Precipitation is much greater in the mountains, and the snowpack continues to melt well into the summer, sometimes resulting in high water in July or August.

TOPOGRAPHY

The claims area covers the southern slope of a rounded mountain of the southern Campbell Range which rises to the west of the Robert Campbell Highway north of Tuchtua Junction at Km 155. The 1730m mountain rises 800m from the Frances River Valley floor (930m). The claims area slope is moderately steep south-facing down to the base at Jules Creek. Treeline is approximately 1400m elevation.

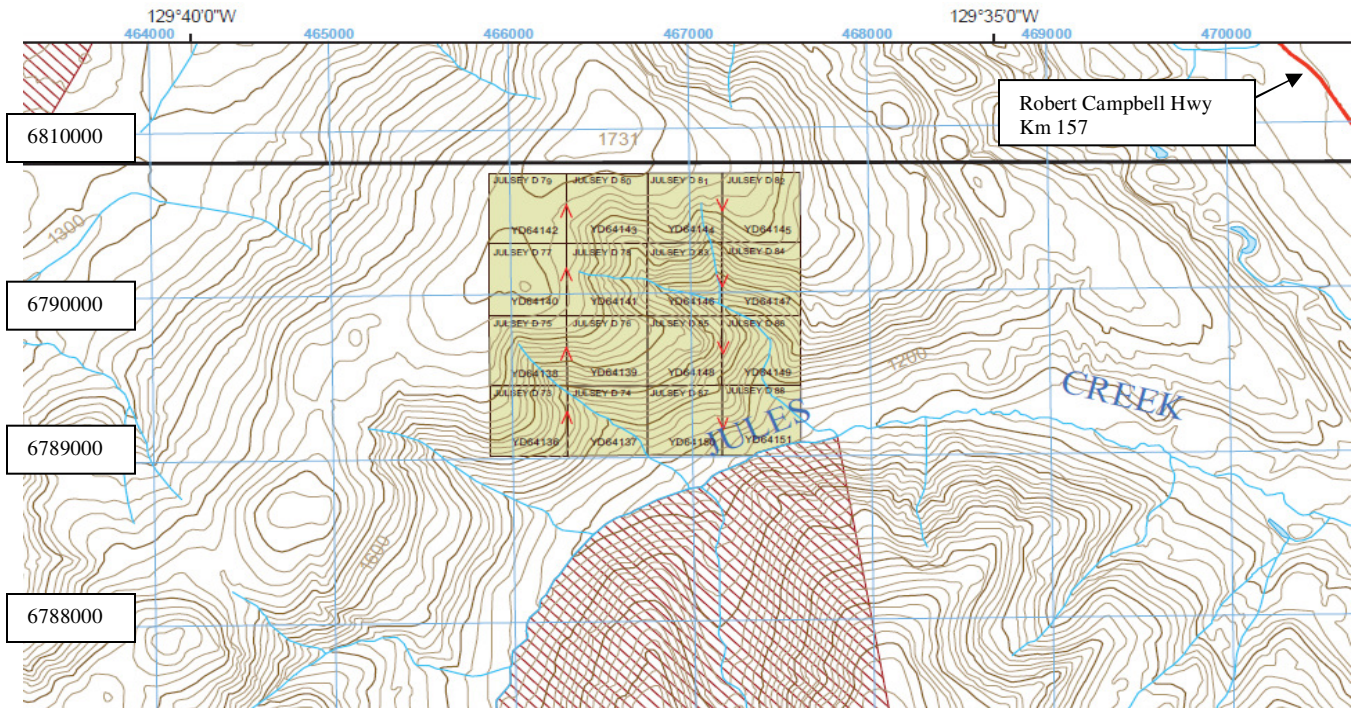
VEGETATION

In southern Yukon, Black Spruce (*Picea mariana*), White Spruce (*Picea glauca*), Quaking Aspen (*Populus tremuloides*) and Balsam poplar (*Populus balsamifera*) are found throughout much of the territory. Although relatively uncommon, the Alaska birch (*Betula neoalaskana*) is also found in most areas. The Lodgepole Pine (*Pinus contorta*) reaches its northern extreme the south-central part of the territory, while Tamarack (*Larix laricina*) is found in the southeast and the Sub-Alpine fir (*Abies lasiocarpa*) is found at higher elevations in the southern part of the Territory.

PROPERTY & CLAIM STATUS

Julsey D Property
 Claims Ownership - 100% Everett Van Krichbaum

Grant#	RegType	ClaimName	Claim #	Recording Date	StakingDate	Claim ExpiryDate	Status	Grant#
YD64136	Quartz	JULSEY D	73	31/08/2011	26/08/2011	31/08/2014	Active	YD64136
YD64137	Quartz	JULSEY D	74	31/08/2011	26/08/2011	31/08/2014	Active	YD64137
YD64138	Quartz	JULSEY D	75	31/08/2011	26/08/2011	31/08/2014	Active	YD64138
YD64139	Quartz	JULSEY D	76	31/08/2011	26/08/2011	31/08/2014	Active	YD64139
YD64140	Quartz	JULSEY D	77	31/08/2011	26/08/2011	31/08/2014	Active	YD64140
YD64141	Quartz	JULSEY D	78	31/08/2011	26/08/2011	31/08/2014	Active	YD64141
YD64142	Quartz	JULSEY D	79	31/08/2011	26/08/2011	31/08/2014	Active	YD64142
YD64143	Quartz	JULSEY D	80	31/08/2011	26/08/2011	31/08/2014	Active	YD64143
YD64144	Quartz	JULSEY D	81	31/08/2011	27/08/2011	31/08/2015	Active	YD64144
YD64145	Quartz	JULSEY D	82	31/08/2011	27/08/2011	31/08/2015	Active	YD64145
YD64146	Quartz	JULSEY D	83	31/08/2011	27/08/2011	31/08/2015	Active	YD64146
YD64147	Quartz	JULSEY D	84	31/08/2011	27/08/2011	31/08/2015	Active	YD64147
YD64148	Quartz	JULSEY D	85	31/08/2011	27/08/2011	31/08/2014	Active	YD64148
YD64149	Quartz	JULSEY D	86	31/08/2011	27/08/2011	31/08/2014	Active	YD64149
YD64150	Quartz	JULSEY D	87	31/08/2011	27/08/2011	31/08/2014	Active	YD64150
YD64151	Quartz	JULSEY D	88	31/08/2011	27/08/2011	31/08/2014	Active	YD64151



Map 1. Claims map, northeast corner of 105H/ 04. Julsey D claims 73-88.

PREVIOUS WORK HISTORY

Minfile Occurrence Number 105H 085; Occurrence Name BEANS; Occurrence Type Hard-rock; Location: 61 °13'15" N -129 °38'16" W; NTS Mapsheet 105H/04.

Claims (Previous & current) BEANS, CAMPBELL, CHIEF, GOFHER, JADE, JOE, LIMA, PIKA, TACK, TRAPPER, JULSEY D

Beginning in Oct/83 the occurrence was staked within various small claim groups including Beans cl 1 (YA70692) by J. and H. Caesar, Pika cl 1-4 (YA70700) by H. Caesar, and Jade cl 1 (YA91081) by B. McGeorge. T. Dickson staked Joe cl 1 (YA71347) 3 km to the northwest in Jul-Sep/84.

H. Caesar, T. Dickson and others staked Campbell cl 1-2 (YA73625) 2 km to the north in Aug/85 and Jun/86. G. Edzerza staked Lima cl 1-4 (YA99397) 1 km northeast of the Jade claim in Sep/86. J. Chief tied on Chief cl 1-2 (YB14552) to the south in Jul/88. Later in the month, H. Caesar staked Gofpher cl 1 (YB14426) and D. Morris staked Trapper cl 1 (YB14427) beside the Jade claim. No assessment reports were filed for any of these claim groups.

Restaked within Tack cl 1-550 (YB78704) in Mar/96 by Westmin Resources Ltd, which explored with soil and stream sediment sampling later in the year. In Mar/98 Westmin was acquired by Boliden Ltd and in Sep/98 ownership in the claims was transferred to Boliden Westmin Limited. In Apr/99 the claims were transferred to Archer Cathro and Associates (1981) Ltd. The last remaining claims lapsed in Mar/2000.

The original claims were mostly staked over units located in the footwall of the Jules Creek Thrust. According to Murphy (2001) nephrite jade is locally developed near the basal contact of the ultramafic body (unit PPum) and is the presumed cause of the staking activity in the 1980's.

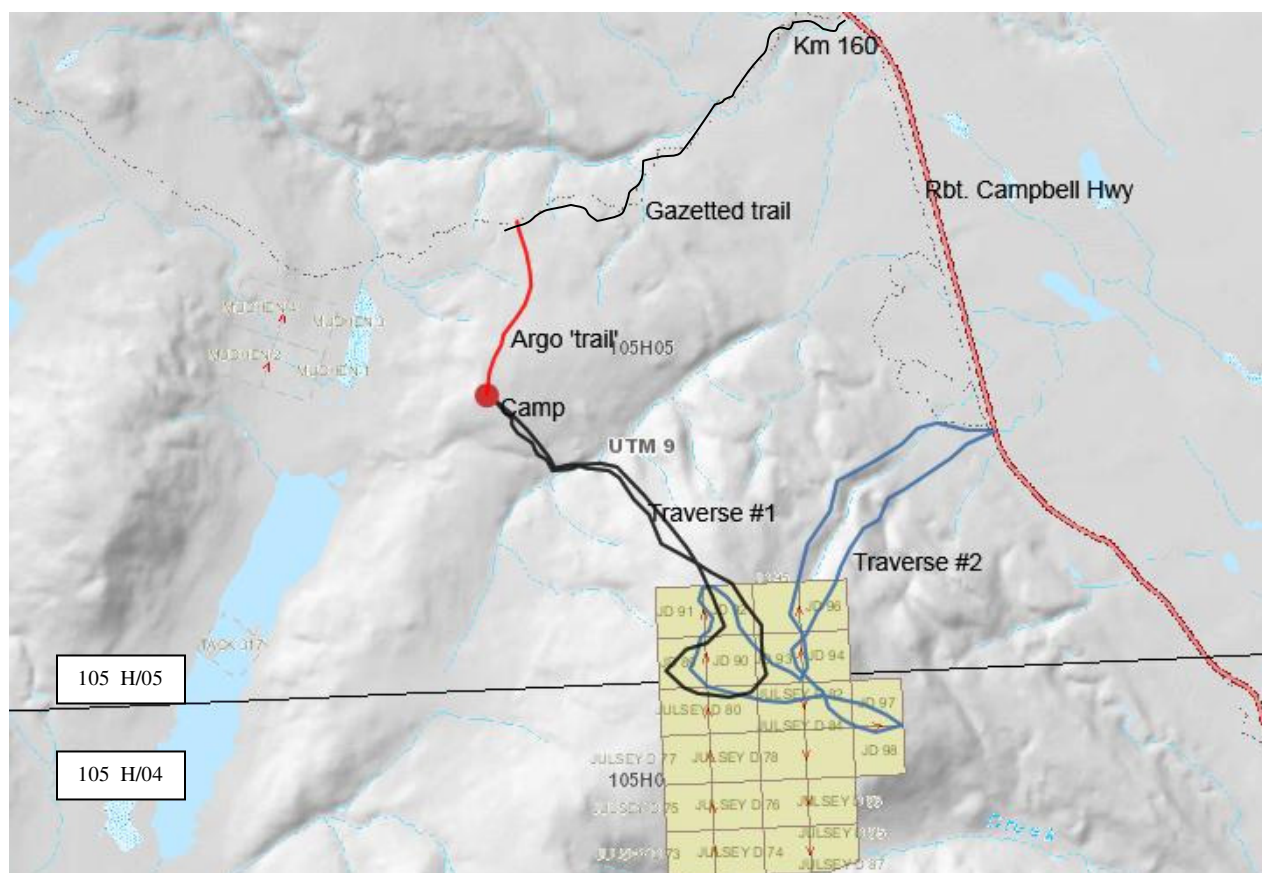
Wide spaced soil sampling by Westmin, searching for volcanogenic massive sulphide (VMS) deposits, yielded only spotty Cu (<195 ppm), Pb (<26 ppm) and Zn (<140ppm) values. Gold analysis returned only background values (Terry, 1997). Additional soil sampling by Westmin in 1997 yielded a small gold in soil anomaly (<90 ppb) over a chert - ultramafic contact (Terry et al, 1998). Spotty soil anomalies were returned for Cu (<105 ppm), Pb (<36 ppm) and a small coherent, multi sample, anomaly for Zn (<1125 ppm). Geologic mapping by Westmin in 1996 and 1997 failed to locate stratigraphy similar to that hosting the Wolverine VMS deposit (Minfile Occurrence #105G 072) and the Tack claims were allowed to gradually lapse.

WORK PROGRAM

Work on the Julsey D claims was carried out by a 3 person crew on 2 separate days. The first traverse occurred on July 4, 2012. Access was by 8 wheel Argo utilizing the gazetted trail at Km 160 to the West of the Campbell Highway and over-land to base camp north of the Julsey D claims. Prospecting was carried out by walking the ground, observing outcrops, etc. using standard prospecting tools. Observations were made in preparation for doing a basic ridge and spur soil survey. Four rock samples were collected within the Julsey D claim block and others were collected to the north on the 'flat' rounded top of the mountain ridge. Rock samples were marked with an indelible pen by GPS location and placed into plastic sample bags marked by GPS location. The 4 rock sample descriptions are in the Appendix, plus their UTM coordinates.

The second traverse was on July 24, 2012, accessed by hiking from Km 155, Campbell Highway. Five soil samples were collected from the Julsey D claims and marked by GPS site location. Soil was sampled from the B horizon, approximately 12 inches deep, and placed into kraft paper soil sample bags marked by the GPS location. The 5 soil sample locations UTM coordinates are given in the Appendix.

An overview of the Argo access, camp location and traverses are shown on the map below.



Map 2. Overview Map. Argo access by gazetted trail and overland to camp, plus 2 traverses.

Three silt sediment samples were collected during the August 2011 Julsey D claim staking but not assayed until later in the fall in 2011. They were collected from the active part of the stream-course. The analytical results for these silt samples are included for this report and are in the Appendix.

Interesting highlights are noted in the Discussion section and in the Silt and Soil Samples section. Geophysical magnetic maps were examined "on line" from the Yukon MapPlace website and are presented in the Regional Geology section along with regional geology mapping by Murphy (2000, 2001). Please refer to the Property Geology section for the map showing the Julsey D claims local area geology. Locations and sample result highlights for the RGS silt sediment sample, stream silt sediment samples and soil samples are presented on a map in the Silt and Soil Samples section. Locations for the rock samples are presented on a map in the Rock Samples section.

SAMPLE PREPARATION & ANALYTICAL PROCEDURES

The soil samples were air dried shortly after collection to prevent mold, etc. prior to shipping. Soil samples collected on the 2nd traverse were sent for assay to Acme Analytical Lab in Vancouver, B.C. Soil samples were assayed for 36 elements by the ICP-MS method 'Group 1DX2', except when the sample size provided insufficient pulp (>15g), then the 'Group 1DX1' method was used on a 0.5g pulp sample. The larger split size was selected for more representative Au analysis. Sample splits were leached in hot (95 °C) Aqua Regia. Refractory and graphitic samples possibly limited Au solubility. Sample analysis quality control was done by Acme Analytical Labs inserting blanks and running duplicates. Quality control results are presented in the Appendix with the Acme assay certificates.

The silt samples collected during the initial Julsey D claim staking were sent for assay to Inspectorate Exploration & Mining Services in Vancouver, B.C. Silt samples were assayed by 'Multi Element Package - 50, Ultra Trace levels'. Samples were digested by aqua regia using ICP-MS / ICP-AES. Hg is by Cold Vapor Analysis by AA (CVA) after being dissolved in Aqua Regia. Sample analysis quality control was done by Inspectorate Exploration & Mining Services inserting blanks and running duplicates. The analytical results are provided in the Appendix.

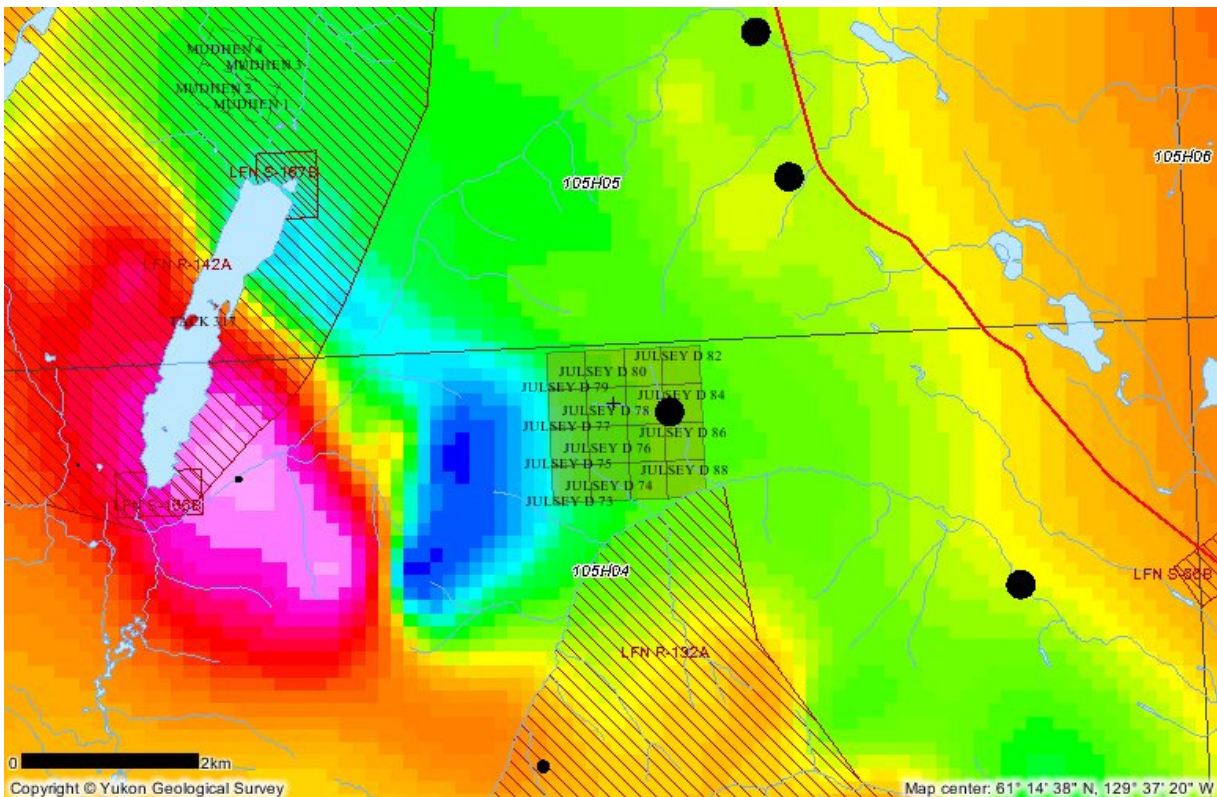
2. GEOLOGY

REGIONAL GEOLOGY

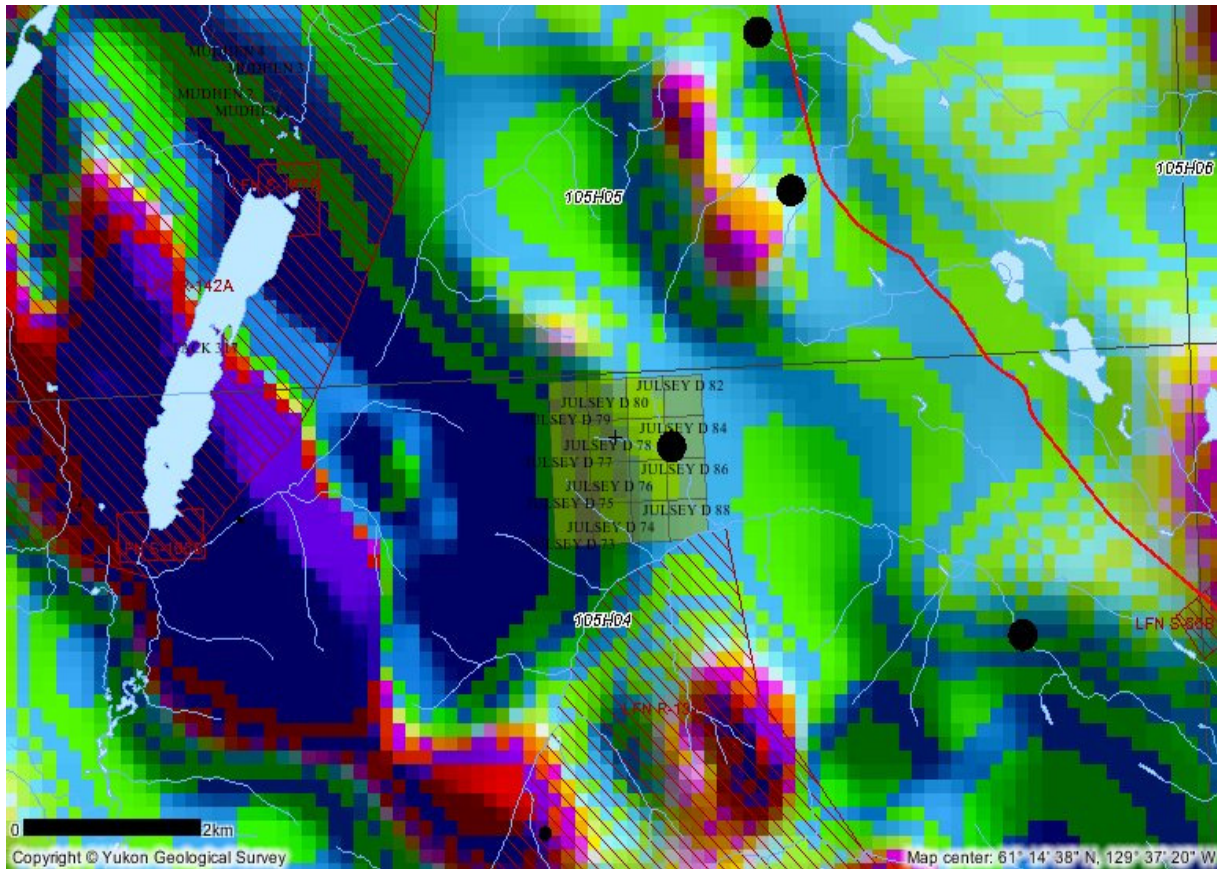
The area lies within the Yukon -Tanana Terrane which in the Frances Lake area consists of several fault or unconformity-bound successions. These rock packages are bound to the southwest by the Tintina Fault zone and on the northeast by the Finlayson Lake Linear. Prominent regional scale thrust faults are along the Jules Creek Thrust.

Devine et al. (2004) reports the southern Campbell Range is underlain by greenschist facies volcanoclastic, epiclastic and sedimentary units of the Tuchtua River and Money Creek formations. Stratigraphy is deformed by at least three syn- to post-Early Permian folding events. Northwest-striking, high-angle faults imbricate the folded metasedimentary package with sheets of serpentinite. These rocks are juxtaposed against basal rocks of the Fortin Creek group to the east, along the Jules Creek Thrust fault.

The aeromag map below and on the next page show prominent Northwest linear trends in the regional geology. Both maps were acquired from the Yukon MapPlace website.

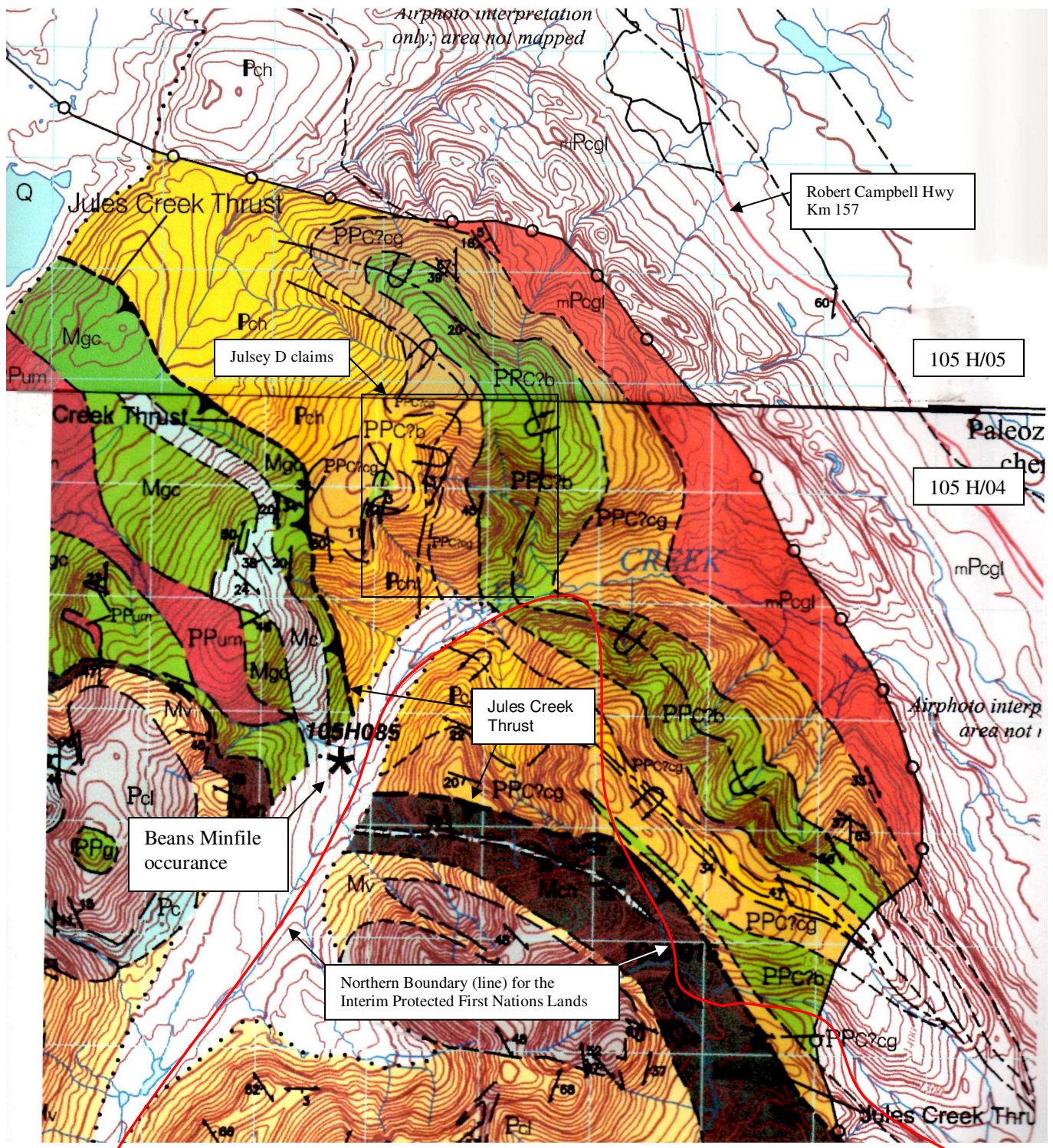


Map 3. Residual Total Field Aeromag. *Julsey D* area target. Large black circles are RGS 95th percentile Hg results. (From Yukon MapPlace web site).



Map 4. 1st Vertical Derivative Aeromag. Julsey D area target. Large black circles are RGS 95th percentile Hg results. (From Yukon MapPlace web site).

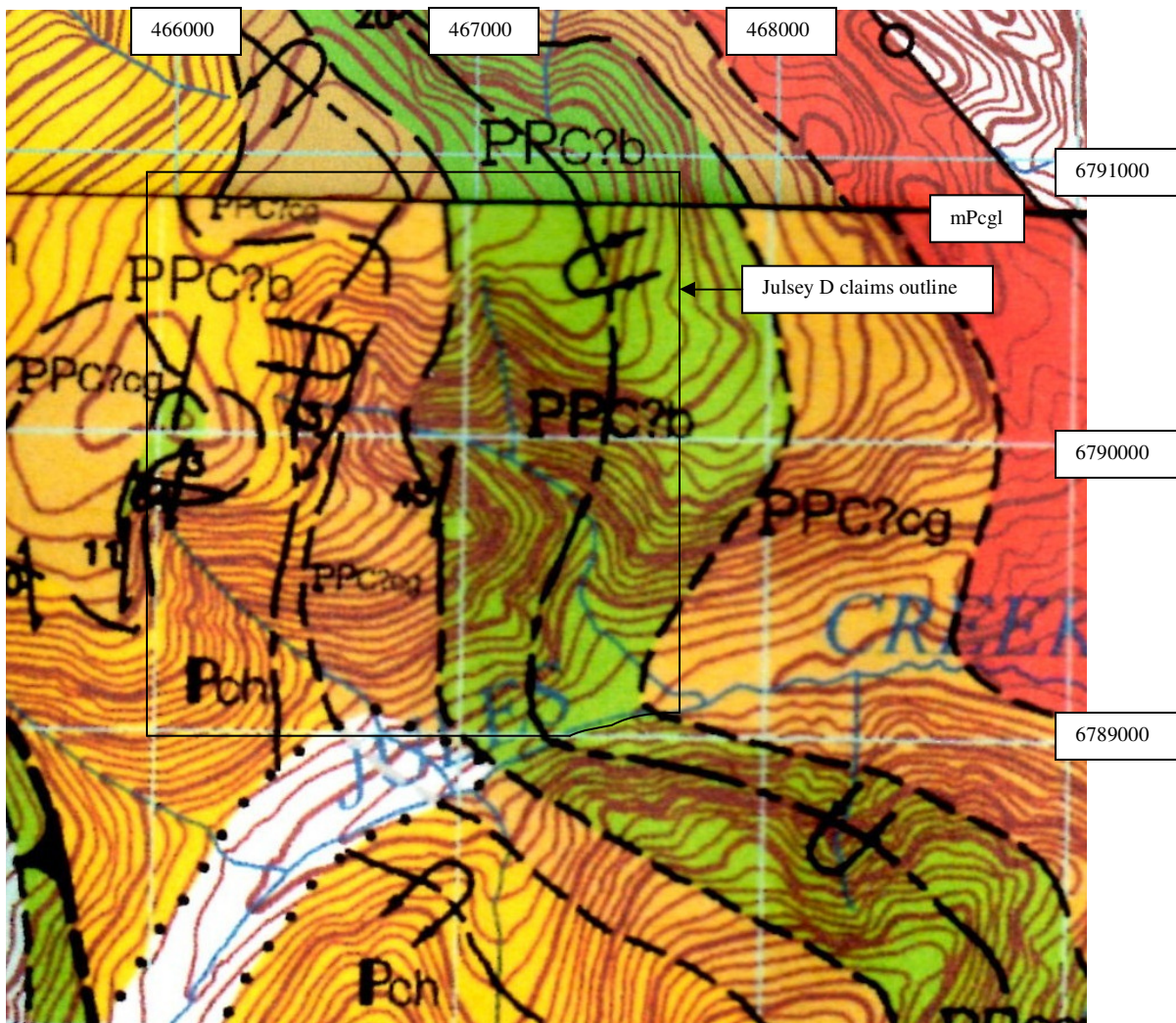
The 1st Vertical Derivative Aeromag map shows a magnetic low at the highly anomalous silt sediment location within the Julsey D claim block. This corresponds to the Campbell Range Basalt (unit PPC?b) mafic meta-volcanic unit on the regional geologic mapping done by Don Murphy in Yukon Open File 2000-16 (105H/ 04) shown on page 10. Normally a mafic unit would be a magnetic high, so the rock unit has perhaps been affected by thermal alteration of the magnetite. This mag low and the description by Murphy of **PPC?b** as mafic meta-volcanic rock with carbonate throughout points to a listwanite affinity. Interesting magnetic anomalies to the north of the Julsey D claims are targets for future exploration.



Map 5. Julsey D area Geology Map. Area of interest around the Julsey D claims contains the Jules Creek Thrust Fault. This area is folded (overturned anticline and syncline) and contains the rocks of interest, **PPC?cg** (ferruginous breccia, local dolomitic sandstone) capped by mafic meta-volcanic rock with carbonate throughout (**PPC?b**). The geology is compiled from Yukon Open File 2000-16 (105H/ 04) and Yukon Open File 2000-17 (105H/ 05) by Murphy (2000).

PROPERTY GEOLOGY

Recent mapping by Murphy (2000, 2001) of the Yukon Geology Program shows the Beans occurrence (Minfile 105H 085) lying on or very close to the Jules Creek Thrust. In the occurrence area the Jules Creek Thrust sheet consists of a Mississippian intermediate volcanic unit (unit **Mv**) overlying two Pennsylvanian and/or Lower Permian units consisting of mixed sediments (unit **Pcl**) including carbonaceous argillite, chert, matrix supported diamictite and a massive to thickly bedded marble (unit **Pc**). The footwall of the thrust consists of Pennsylvanian and/or Lower Permian argillite and chert (unit **Pch**), ferruginous tectonite-clast pebble and cobble breccia and other siliciclastics (unit **PPC?cg**) and Campbell Range Basalt (unit **PPc?b**) mafic meta-volcanics (Murphy, 2000). Pennsylvanian and/or Permian meta gabbro (unit **PPg**) and variably serpentinized ultramafic rock (unit **PPum**) are found higher in the section. The area is underlain by a northwest trending ultramafic body (unit **PPum**) within a medium to coarse grained, foliated actinolite-plagioclase-chlorite meta gabbro (unit **PPg**) (Murphy, 2000, Terry et al., 1998). Some of these units appear on the Julsey D property geology map below.



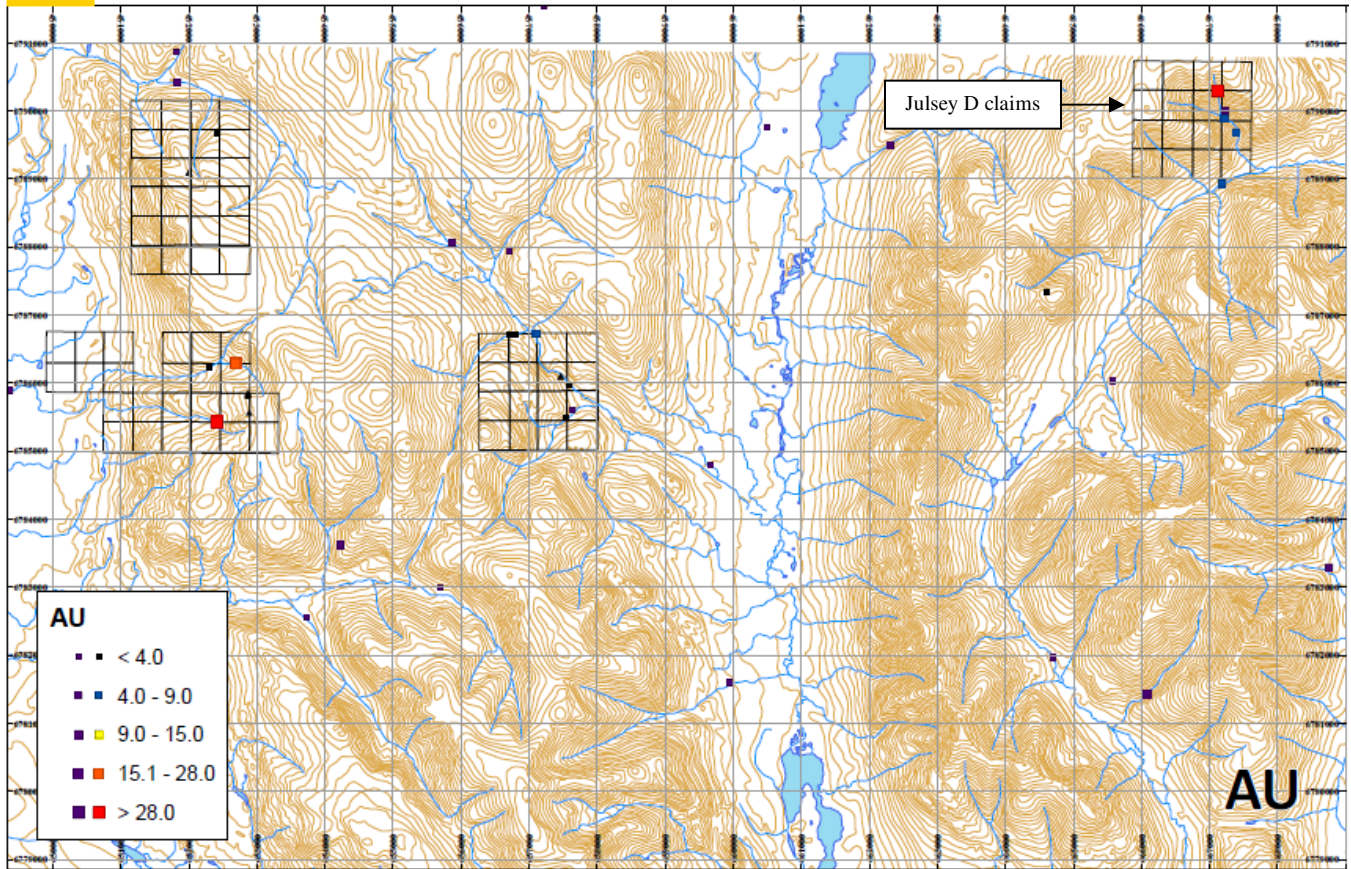
Map 6. Julsey D Property Geology Map. *Note the overturned anticline and syncline folds.*

3. SILT AND SOIL SAMPLES

PRESENTATION OF RESULTS

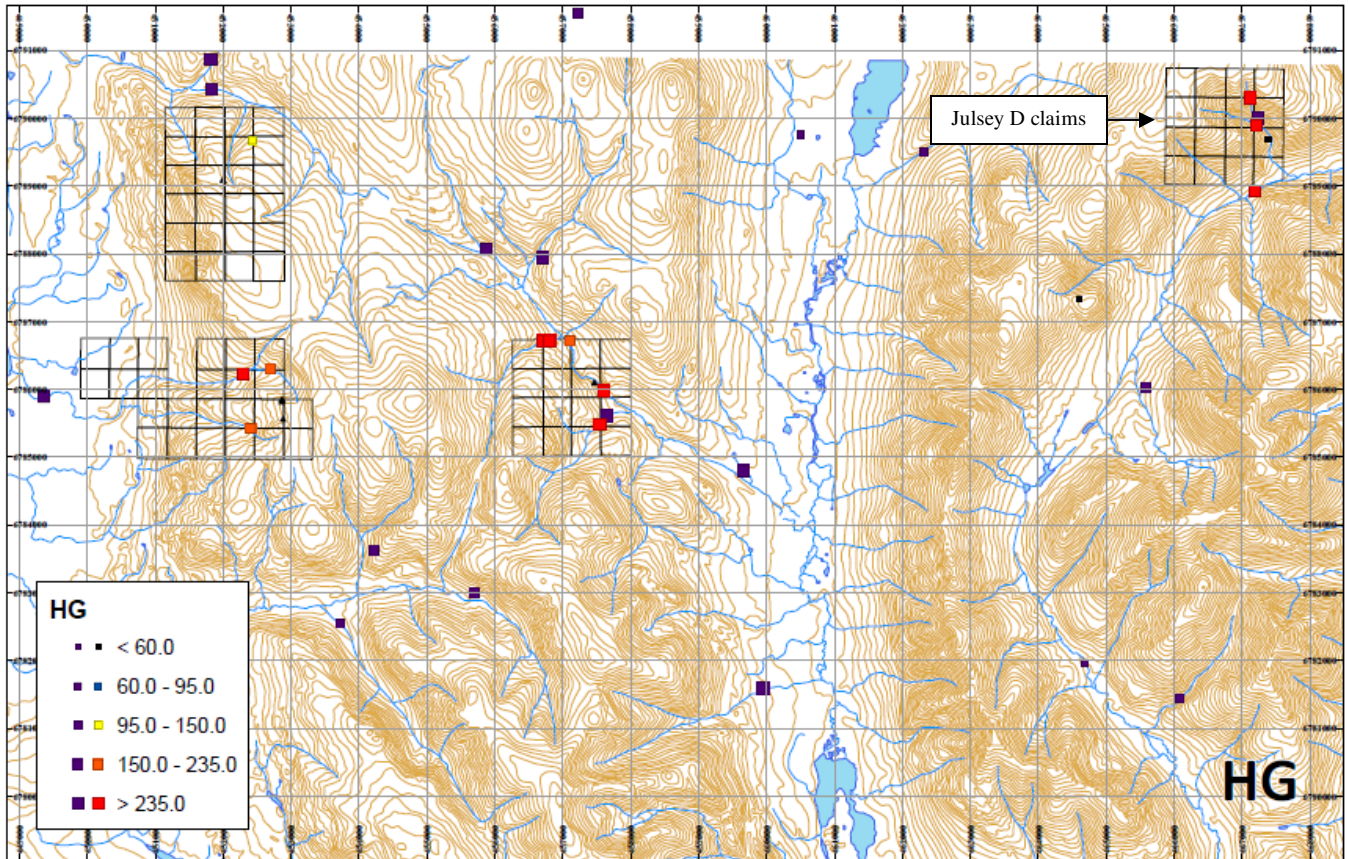
Three silt sediment samples were collected during the August 2011 Julsey D claim staking but not assayed until later in the fall in 2011. One of the three silt samples was highly anomalous for gold and pathfinder elements. That prompted a very small “ridge and spur” soil sampling program in 2012 that was conducted on the ridge at the top of the basin and to the north. Two other silt samples in the immediate area (one within and one just to the south of the Julsey D claim block) also were highly anomalous for gold pathfinder elements. The assay results for the 3 silt sediment sample are in the Appendix along with the sample locations by UTM coordinates.

The assay results for the silt sediment samples for the Julsey D claim area are presented on Maps 5-10, pages 12-17. These were prepared for Northern Tiger Resources and given to me in a one page PDF format “map” that contained all 6 maps for the 6 elements that follow on pages 12-17. Each of the following 6 maps were extracted from the original PDF file, but further enlargement only resulted in increasingly fuzzy maps, and maps of each of the 4 claim blocks enlargements were basically too blurry to be of any use. Hence, all four claim blocks are shown on each element map, but the focus of this report is the results for the Julsey D claim block. The one page PDF format “map” that contained all 6 maps for the 6 elements that follow is presented in the Appendix for reference.

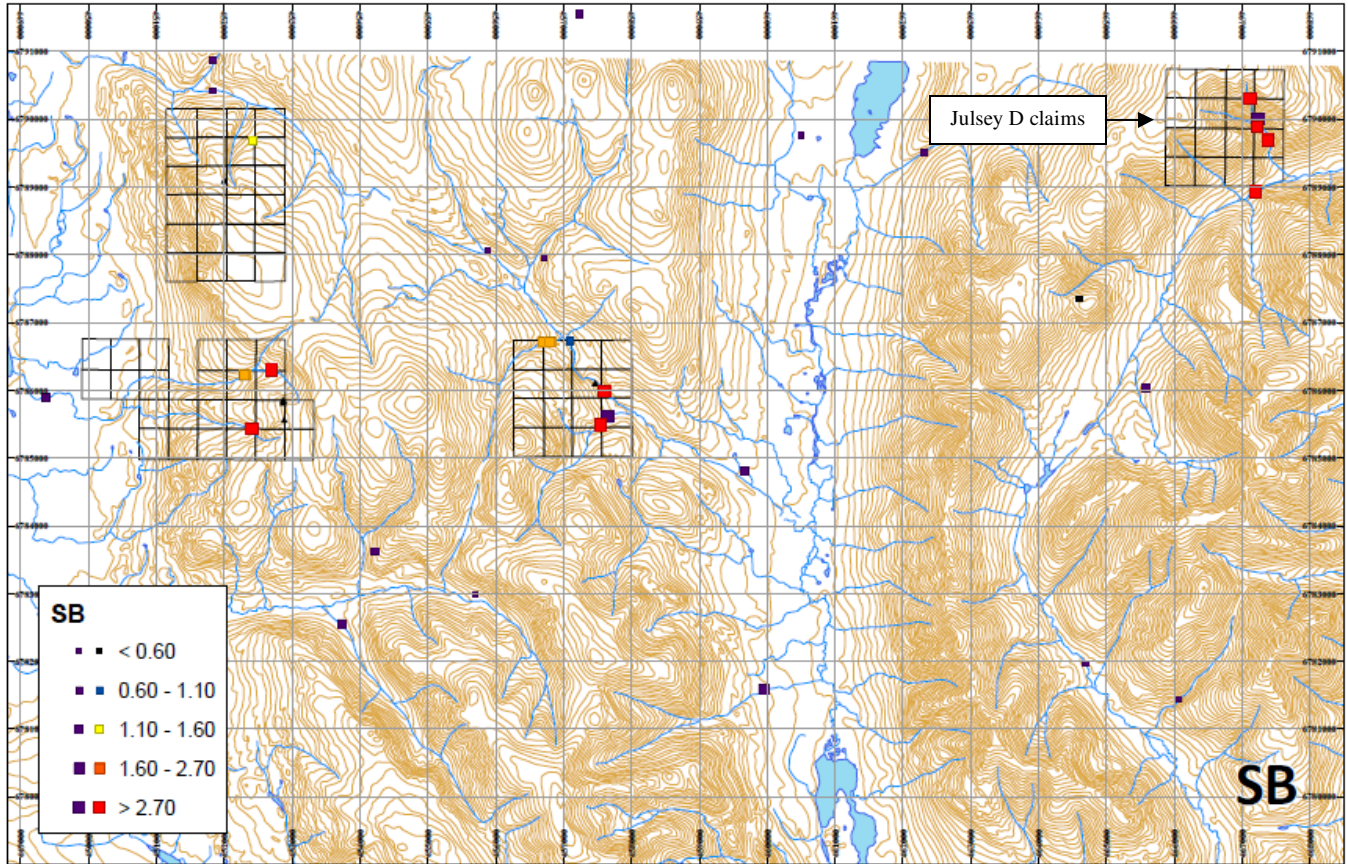


Map 7. Silt sediment gold results for Yukon RGS and NTR (Northern Tiger Resources) samples. *The Julsey D claims are in the upper right corner. Yukon RGS sample results are coloured purple (left side of the “squares” legend) and NTR sample results are multicoloured (right side of the “squares” legend). Note the highly anomalous Au silt sample at the top right corner on the Julsey D claims. The ridge above that silt sample was chosen for follow-up soil sampling on the Julsey D claims.*

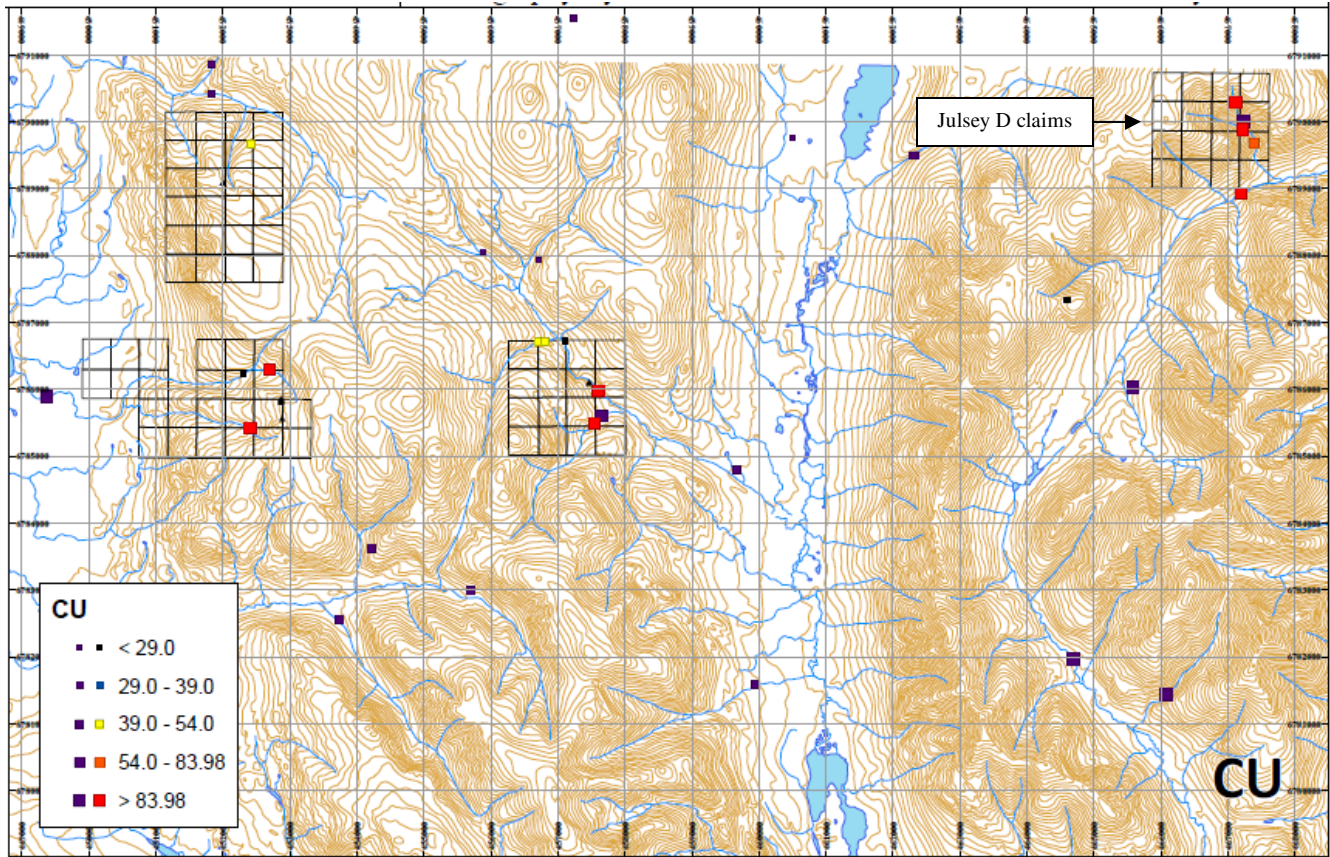
Silt sediment Hg, Sb, Cu, Pb and Mo results for Yukon RGS and NTR (Northern Tiger Resources) samples are presented on the next 5 pages in the same format as above, with the Julsey D claims located in the upper right corner of the maps.



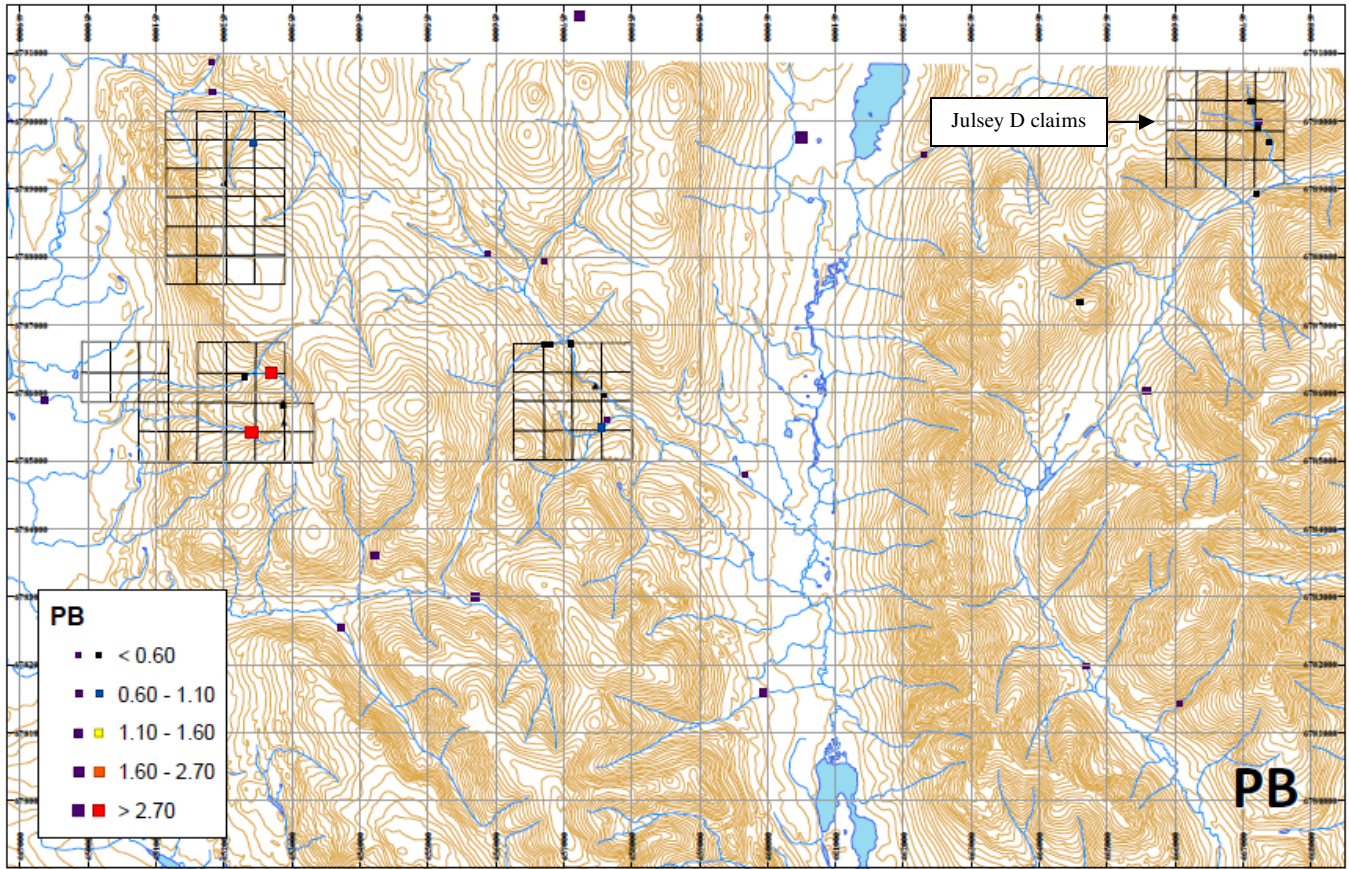
Map 8. Silt sediment mercury results for Yukon RGS and NTR (Northern Tiger Resources) samples. *The Julsey D claims are in the upper right corner. Yukon RGS sample results are coloured purple (left side of the “squares” legend) and NTR sample results are multicoloured (right side of the “squares” legend). The Hg for the northern-most silt sample at the top right corner on the Julsey D claims was close to the highest for all of Yukon-Tanana RGS silt samples, basically at the 100th percentile. The ridge above that silt sample was chosen for follow-up soil sampling on the Julsey D claims.*



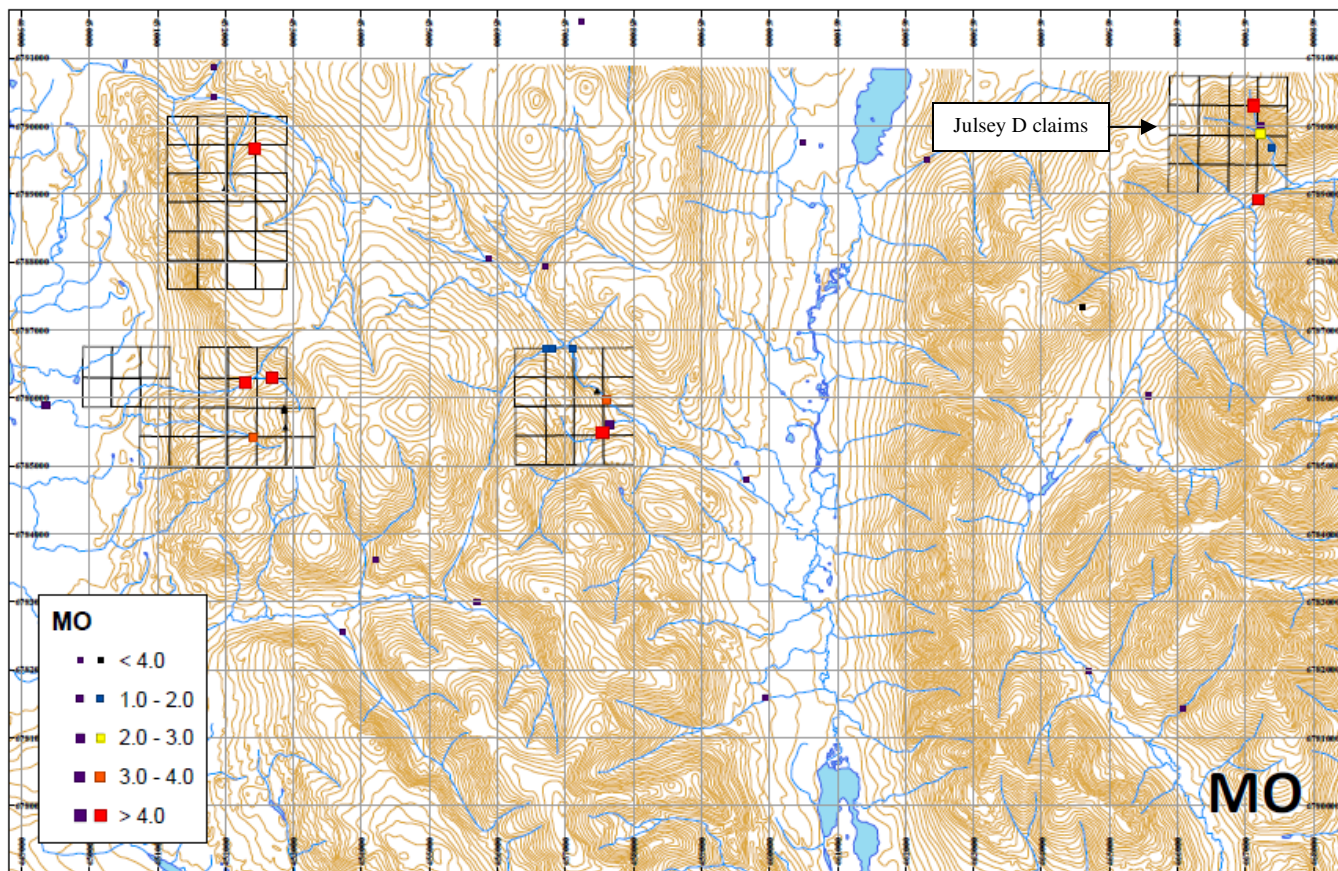
Map 9. Silt sediment antimony results for Yukon RGS and NTR (Northern Tiger Resources) samples. *The Julsey D claims are in the upper right corner. Yukon RGS sample results are coloured purple (left side of the “squares” legend) and NTR sample results are multicoloured (right side of the “squares” legend). Note the highly anomalous Sb silt samples on the right side of the Julsey D claims. The ridge above that silt sample was chosen for follow-up soil sampling on the Julsey D claims.*



Map 10. Silt sediment copper results for Yukon RGS and NTR (Northern Tiger Resources) samples. *The Julsey D claims are in the upper right corner. Yukon RGS sample results are coloured purple (left side of the “squares” legend) and NTR sample results are multicoloured (right side of the “squares” legend). Note the highly anomalous Cu silt samples at the top right corner on the Julsey D claims. The ridge above that silt sample was chosen for follow-up soil sampling on the Julsey D claims.*



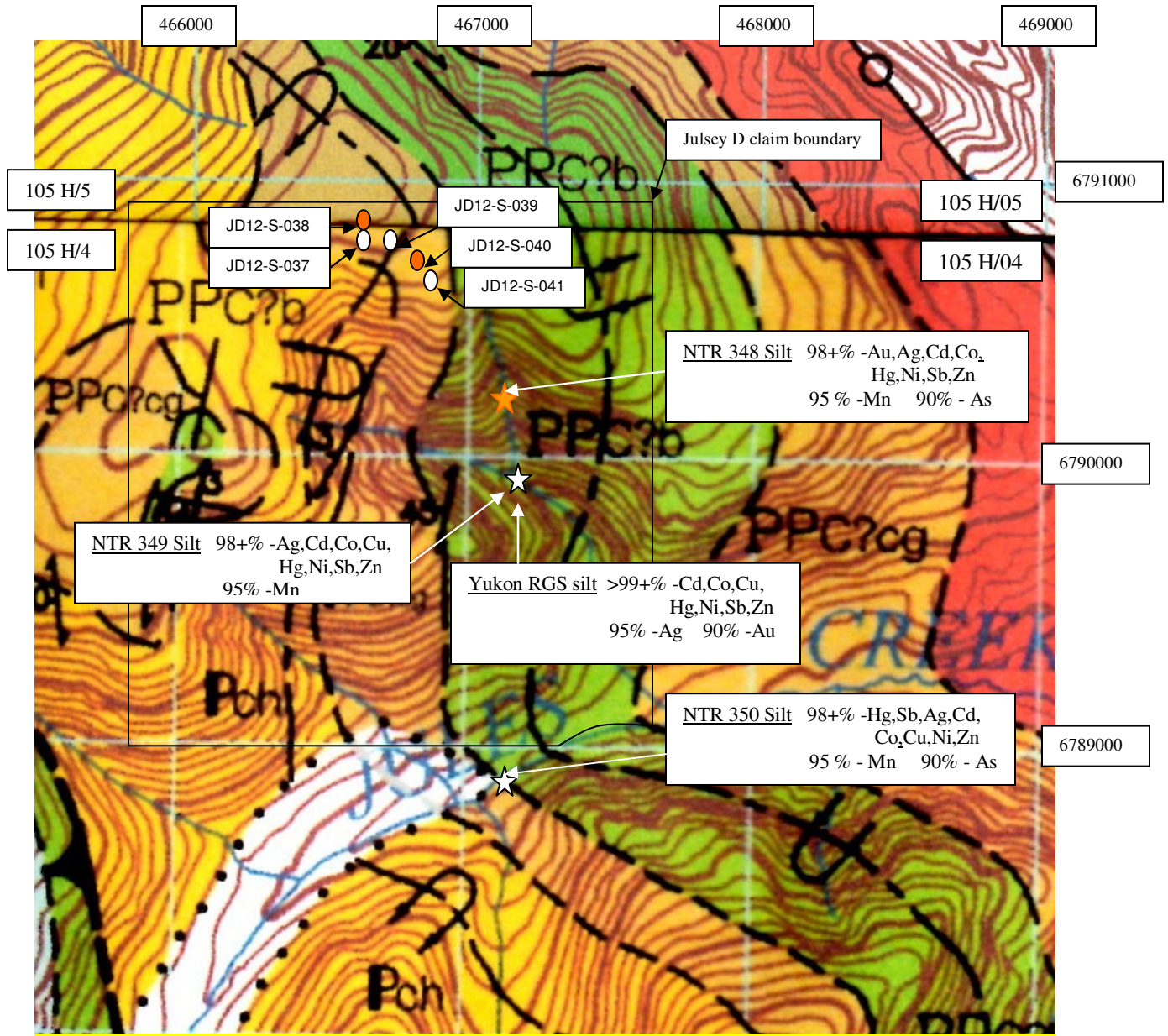
Map 11. Silt sediment lead results for Yukon RGS and NTR (Northern Tiger Resources) samples. *The Julsey D claims are in the upper right corner. Yukon RGS sample results are coloured purple (left side of the “squares” legend) and NTR sample results are multicoloured (right side of the “squares” legend). Pb results for the silt sediment samples for the Julsey D claims were not anomalous.*



Map 12. Silt sediment molybdenum results for Yukon RGS and NTR (Northern Tiger Resources) samples. *The Julsey D claims are in the upper right corner. Yukon RGS sample results are coloured purple (left side of the “squares” legend) and NTR sample results are multicoloured (right side of the “squares” legend). Note the highly anomalous Mo silt samples at the top right corner on the Julsey D claims. The ridge above that silt sample was chosen for follow-up soil sampling on the Julsey D claims.*

The silt sediment sample assay data for the major elements was compared to the Yukon RGS silt sediment percentiles data table for Yukon-Tanana. The RGS silt percentile data table for Yukon-Tanana is in the Appendix.

The assay percentile results for the Julsey D area silt sediment samples are given on Map 11, page 18, along with the soil sample locations and basic soil assay results for gold.



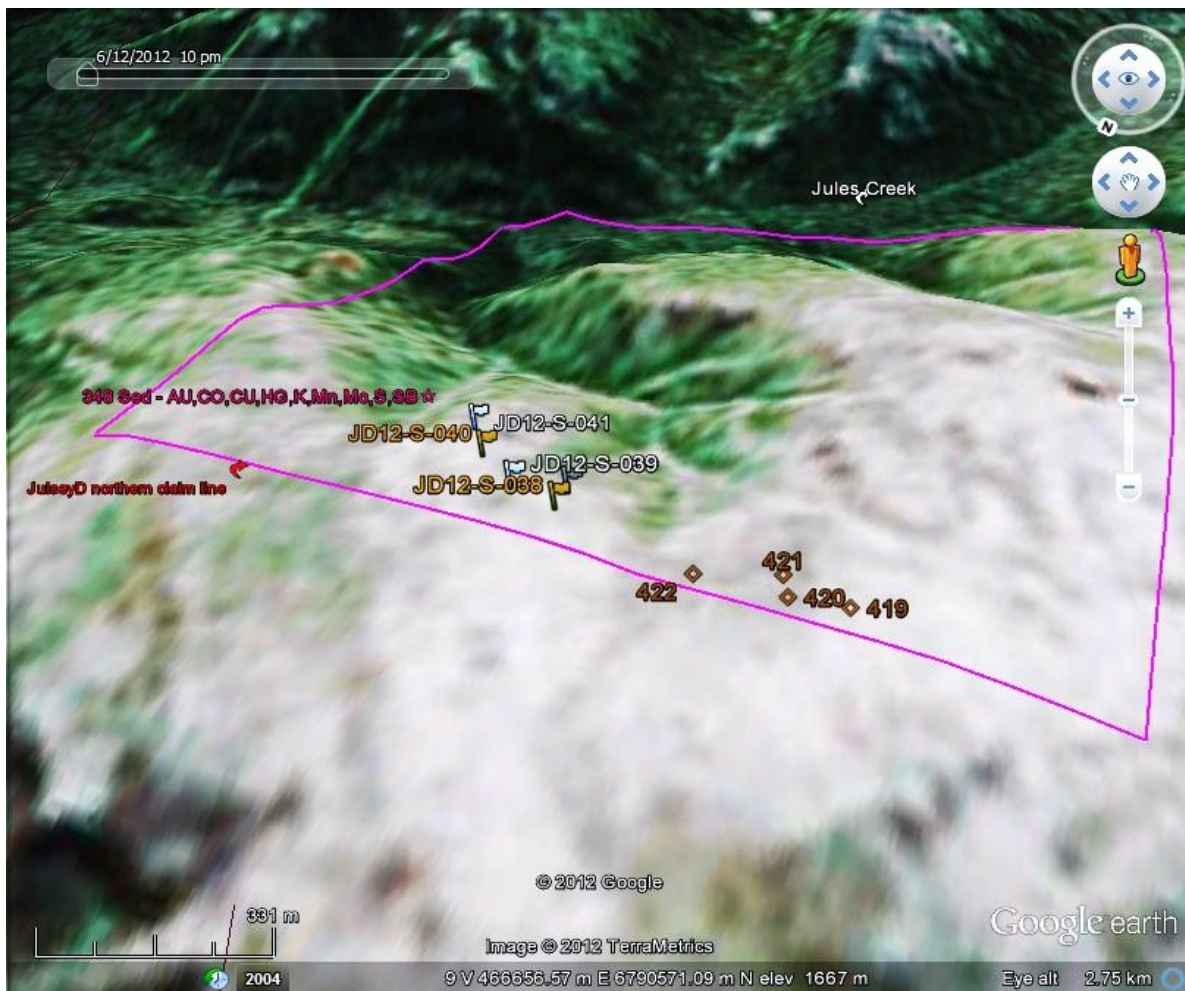
Percentiles for the silt sediments above are from the RGS silt data for Yukon-Tanana for comparison. The RGS silt percentile data table for Yukon-Tanana is in the Appendix for reference.

The 5 follow-up ridge soil samples were collected on July 24, 2012 and sent for assay in November 2012. The 5 soil sample assay results are in the Appendix, along with the sample locations by UTM coordinates. Soil sample locations are also shown on Map 11, page 18. Two of the 5 samples were anomalous for gold (> 10 ppb Au). Soil sample JD12-S-040 was highest for gold (15.7 ppb) and also the highest for the gold pathfinder elements Hg, Sb and Tl.

4. ROCK SAMPLES

PRESENTATION OF RESULTS

The Google Earth image below shows the 4 rock sample locations that were collected within the Julsey D northern claim line as well as the 5 soil sample locations. The rock descriptions are in the Appendix, along with the sample locations by UTM coordinates. Some rocks collected up to 300 m north of the Julsey D claims soil samples were high in carbonate and showed listwanite characteristics, as did rock sample #422.



Map 14. Sample Locations Map. *Google Earth image showing Julsey D soil sample locations (flags), the highly anomalous silt sample location (red colour star) and rock sample locations (diamonds). The 2 soil samples anomalous for gold are coloured gold. View looking southeast toward Jules Creek. The Julsey D northern claim line is indicated in the foreground.*

5. DISCUSSION

The RGS data on the Yukon MapPlace website for the south-facing basin that comprises the majority of the Julsey D property pointed to a very anomalous silt sample for several elements. The site was anomalous at the 95th percentile for Ag and very anomalous at the 98th+ percentile for Cd, Co, Cu, Hg, Ni, Sb and Zn. The NTR 349 silt sample was also taken at this location with near identical percentile results, thus serving as a check, confirming the Yukon-Tanana RGS data which is very high for gold pathfinder elements Hg and Sb. The Hg data for the RGS silt (>2100 ppm Hg) is among the highest of all Yukon-Tanana RGS data (8000+ samples).

The Julsey D property results are promising both from a geochemical and structural standpoint. Geochemical results for silt and rocks show some anomalous results for Au and Au pathfinder elements. The NTR 348 silt sample showed further affinity for a potential gold deposit upslope, being very anomalous for gold (98th percentile) and anomalous for As (90th percentile) as well as very anomalous (98th percentile) for Sb and extremely anomalous (>99th percentile) Hg.

The NTR 348 and NTR 349 Cobalt silt results are essentially as high as the best results for Co for all of Yukon-Tanana, plus NTR 348 silt results for Cu and NTR 349 silt results for Ni are well beyond the 99th percentile cut-offs for those elements. These indicate high potential for a Ni-Cu-Co deposit as well.

Rocks were not collected within the NTR 348 silt sample basin directly, but at the rounded ridge above and to the west. The fact that 2 of the 5 rock samples were assayed were somewhat anomalous for gold (with 1 of the 2 Au anomalous rocks also anomalous for the gold pathfinder elements Hg, Sb and Tl) - and not from the drainage area for NTR 348 sample - indicates that the Au anomaly could be more extensive than indicated by the silt sample.

Structural features within the Julsey D claim block are also supportive for a potential mineralized deposit. Recent mapping by Murphy (2000, 2001) of the Yukon Geology Program shows the the Julsey D claim block lying within the footwall of the Jules Creek Thrust sheet, just to the east of the Jules Creek Thrust. The footwall of the thrust consists of Pennsylvanian and/or Lower Permian argillite and chert (unit Pch), ferruginous tectonite-clast pebble and cobble breccia and other siliciclastics (unit PPC?cgl) and Campbell Range Basalt (unit PPC?b) mafic meta-volcanics (Murphy, 2000). The stratigraphy is deformed by folding within the Julsey D claim block and has both overturned anticline and syncline structures. These types of structures are favorable for ore deposits, having stressed and fractured the rock, structurally preparing the rock for enhanced fluid flow.

The geochemical and structural features suggests a model of hot-spring Au-Ag as described by Panteleyev (1996), being a Au (Ag, Hg byproduct) commodity deposit type. He states "In some cases, serpentinized ultramafic and mafic rocks in major fault zones in areas of post-faulting volcanic activity are mineralized." The basin above the NTR 348 silt sample, very highly anomalous for Au and Au pathfinder elements, is almost entirely within the mafic meta-volcanics unit (PPC?b).

The presence of rock outcrop with listwanite characteristics at the north edge of the Julsey D claim block and at least 300m further north beyond the NTR 348 silt sample drainage basin - and the presence of chalcedony over a large area further north on the rounded ridgetop in the immediate vicinity of the 'listwanite' rock supports this hot-spring Au-Ag deposit model. The exploration guide geochemical signature for this deposit type is Au,

Sb, As, Hg, and Tl near surface. Also, Hg mineralization may overlie deeper gold ores. The Julsey D silt, soil and rock sample exploration results, especially the extremely high Hg levels, indicate that the potential Au deposit (for this hot-spring Au-Ag deposit type) has not been deeply weathered.

6. CONCLUSIONS & RECOMMENDATIONS

The current exploration results for the Julsey D claim block (and the immediate area to the north), though only a very small sampling program, has indicated some potential for a Au deposit, possibly a hot-spring Au-Ag deposit type.

A more extensive soil, silt and rock sampling exploration program is warranted for future work. An extended 'ridge and spur' soil sampling program should be conducted to augment the small sample program conducted this year. Additionally, a soil sampling grid program focusing on the south-facing slope above the highly anomalous NTR 348 silt sample is warranted. More silt sediment samples upstream of the NTR 348 should also help to 'zero in' on the source of the anomaly. Additionally, a more extensive silt sediment sampling program is also warranted for other drainage channels flowing off of the rounded mountain top above the Julsey D claims, especially to the north. Finally, it is also recommended that the Julsey D claim block and surrounding area should be more extensively prospected for rock outcrops, gossans, etc. for quartz veins and Ni-Cu-Co outcrops. Interesting magnetic anomalies to the north of the Julsey D claims are targets for future exploration.

7. REFERENCES

Devine, F., Murphy, D.C., Kennedy, R., Tizzard, A.M. and Carr, S.D., 2004. Geological setting of retrogressed eclogite and jade in the southern Campbell Range: Preliminary structure and stratigraphy, Frances Lake area (NTS 105H), southeastern Yukon. *In: Yukon Exploration and Geology 2003*, D.S. Emond and L.L. Lewis (eds.), Yukon Geological Survey, p. 89-105.

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Murphy, D.C., 2000. Preliminary geological mapping of Tuchitua River North area (105H/5), southeastern Yukon (1:50,000 scale). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 2000-17.

Murphy, D.C., 2001. Yukon-Tanana Terrane in southwestern Frances lake area (105H/3, 4 and 5), southeastern Yukon. *In: Yukon Exploration and Geology 2000*, D.S. Emond and L.H. Weston, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p.217-233.

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Westmin Resources Ltd, May/97. Assess. report #093622 by D.A. Terry, A. Turner, T.L. Tucker and G. Bradshaw.

Westmin Resources Ltd, May/98. Assess.report #093799 by D.A. Terry, D. Gale, N.A. Duke.

8. STATEMENT OF EXPENDITURES

Exploration Work, expenses	Comment	Days			Totals
<u>Position @ YMIP Rates</u>	<u>Field Days (list actual days)</u>	<u>Days</u>	<u>Rate</u>	<u>Subtotal</u>	
Geo-tech	July 4, 2012, & July 24, 2012	2	\$350.00	\$700.00	
Assistant/labourer	July 4, 2012, & July 24, 2012	2	\$250.00	\$500.00	
Assistant/labourer	July 4, 2012, & July 24, 2012	2	\$250.00	\$500.00	
				\$1750.00	\$1750.00
<u>Office work</u>			<u>Rate</u>	<u>Subtotal</u>	
	Including rock descriptions, mapping, printing, sending hardcopy and digital copy	33 hr	\$30.00	\$990.00	
Report Writing				\$990.00	\$990.00
			Incl. HST	Incl. HST	
<u>Geochemical Surveying</u>	<u>Number of Samples - Assayer</u>		<u>Rate</u>	<u>Subtotal</u>	
Stream sediment	3 - Inspectorate Labs		\$32.20	\$96.60	
Soil	5 - Acme Labs		\$24.37	\$121.86	
				\$218.46	\$218.46
<u>Transportation @ YMIP Rates</u>	<u>Dates</u>	<u>Days</u>	<u>Rate</u>	<u>Subtotal</u>	
4X4 truck, incl. Watson Lk - filing	06/06/12; 06/24/12; 07/21/12	3	\$50.00	\$150.00	
Argo 8 wheel industrial	July 4, 2012	1	\$95.00	\$95.00	
Argo transport trailer	July 4, 2012	1	\$16.00	\$16.00	
Fuel for Argo	(Proportioned = 20% X \$112.43)			\$22.49	
				\$283.49	\$283.49
			<u>YMIP</u>		
<u>Accommodation & Food</u>	<u># of Person/Days</u>	<u>Days</u>	<u>Rate</u>	<u>Subtotal</u>	
Camp (incl. GPS, chain saw)	3 persons X 2 Days	6	\$100	\$600.00	
				\$600.00	\$600.00
<u>Other Expenses</u>					
Freight to ship samples	Proportioned = 10% X \$75.23			\$7.52	
				\$7.52	\$7.52
<i>TOTAL Expenditures</i>					\$3849.47

9. STATEMENT OF QUALIFICATIONS

- ❑ 33 years experience doing geological prospecting in Yukon.
- ❑ Author of several Yukon YMIP reports on mineral property evaluations or grassroots prospecting programs, plus previous Yukon assessment reports.
- ❑ 13 years Geology teaching experience at first year University equivalent.
- ❑ Operator of one mine property in Yukon (for Nephrite Jade).
- ❑ Owner of 75 Yukon quartz claims.
- ❑ Many geological short courses including ones on diamonds, platinum, geophysics, glacial drift prospecting, VMS deposits, rare earth elements, MMI and several on gold exploration.
- ❑ Exploration manager and technical report writer for Crusader Gold in B.C. 2007-2012, including ARIS Reports 28546, 30293, and 31281.
- ❑ BSc degree in Biology, (including some university geology courses)

“Everett Van Krichbaum”, Jan 7, 2013

10. APPENDICES

Sample Locations

Sample Type	Sample #	Zone	Easting	Northing
Silt	348	9V	467120	6790300
Silt	349	9V	467219	6789892
Silt	350	9V	467190	6788930
Soil	JD12-S-037	9V	466698	6790577
Soil	JD12-S-038	9V	466694	6790630
Soil	JD12-S-039	9V	466774	6790611
Soil	JD12-S-040	9V	466852	6790551
Soil	JD12-S-041	9V	466902	6790484
Rock	419	9V	466267	6790673
Rock	420	9V	466345	6790686
Rock	421	9V	466362	6790644
Rock	422	9V	466472	6790689

Table 1. Sample Locations - Julsey D Claims. *Sample location by UTM Coordinates*

RGS Element Percentile Thresholds

Yukon-Tanana Terrane													
SAMPLE	AG	AS	AS_INA	AU	AU_R	AU_INA	BA	BA_INA	BI	CD	CO	CO_INA	
min	0.1	0.5	0.2	0.5	0.5	1	54	270	0.1	0.1	1	2.5	
50th percentile	0.1	3.5	5.8	1	4	3	870	1100	0.1	0.1	8	13	
90 th percentile	0.2	13.5	15.8	9	37	10	1247.9	1700	0.26	0.6	14	21	
95th percentile	0.3	22	23.4	18	85	17	1493.35	1900	0.28	1.1	17	24	
98th percentile	0.5	46.02	36	46.86	172	40.8	1900	2300	0.292	2.1	22	32	
99th percentile	0.7	80	54.608	96.43	280	62	2222.9	2500	0.296	3.001	29	40	
max	3.3	489	280	1680	1185	1050	11550	3600	0.3	46.8	180	160	
n	8206	7200	1013	7158	801	1013	7472	1013	5	7900	8206	1013	
	CU	FE	FE_INA	HG	MN	MO	NI	PB	SB	SB_INA	SN		
min	1	0.11	0.7	2.5	2.5	1	1	1	0.1	0.05	0.5		
50th percentile	18	1.95	3.76	30	330	1	18	7	0.3	0.6	1		
90 th percentile	37	2.97	5.6	84	780	2	41	16	0.9	1.6	4		
95th percentile	48	3.49	6.2	119	1479.5	3	58	23	1.4	2	5		
98th percentile	68	4.337	6.8	170.5	2900	5	96.9	36	2.42	2.876	7		
99th percentile	94	5.5195	7.788	245	4899.3	7	147	47	3.6	3.488	10		
max	4510	29.9	18	3349	40546	94	1000	694	170	9.1	138		
n	8206	8206	1013	8176	8206	8206	8206	8206	7191	1013	7876		
	TA_INA	U	U_INA	V	W	W_INA	ZN	PH	F_W	U_W			
min	0.25	0.2	0.8	2.5	1	0.5	2	4.1	10	0.02			
50th percentile	0.9	3.3	3.7	35	2	0.5	63	7.2	80	0.11			
90 th percentile	1.4	8.6	13	59	3	2	123	7.9	240	1.5			
95th percentile	1.5	13.1	19	68	5	3	165	8	350	2.746			
98th percentile	1.8	26.104	34.096	83	10	4	249.8	8.2	540	5.2			
99th percentile	2	40.104	60.291	92	16	7.88	350	8.3	720	8.272			
max	2.7	236	351	470	140	29	2510	8.6	3170	255			
n	1013	7499	722	7884	7475	1013	8206	8065	8066	8065			

Table 2. Yukon-Tanana RGS Silt Percentile Threshold Cut-offs

Rock Descriptions

Rock Sample #	Description	Acid Test
419	Fine grained ferruginous sandstone with apparently unmineralized quartz veining, rusty weathering and limonitic throughout.	-
420	Finely laminated, grey marble?, rusty surface with numerous small resistant weathering quartz veins.	+
421	Ferruginous sandstone, rough weathering brown surface, tan interior.	-
422	Fine grained pale green "listwanite", very rusty throughout. Contains darker material in small patches that are hard, probably pyroxenes.	+

Table 3. Julsey D Rock Sample Descriptions. *From north-western part of Julsey D claim block.*

Analytical Results

Silt Samples

sample #	Project	Easting	Northing	Datum	utm zone	Sample date	Sampler	Flow vel
348	NTRvan	467120	6790300	NAD83	9 V	27/08/2011	PN/TM	F
349	NTRvan	467219	6789892	NAD83	9 V	27/08/2011	PN/TM	F
350	NTRvan	467190	6788930	NAD83	9 V	27/08/2011	PN/TM	F

samp. #	Flow dir	Comp	Turb	%Org	Comments	lab	sample	Source
348	S	ROCKY		40	Steep slope fast	Inspe	Grab	Silt
349	E	SHALE		20		Inspe	Grab	Silt
350	E	SHALE		10		Inspe	Grab	Silt

samp. #	Au_aa1	Ag	Al	As	Ba	Be	Bi	Ca	Cd
348	0.052	0.680	9.750	11.100	21.000	3.960	0.130	0.060	3.420
349	0.006	0.600	5.810	10.400	372.000	2.220	0.120	0.960	9.490
350	0.006	0.570	1.370	16.300	475.000	0.350	0.160	0.790	4.210

samp. #	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf
348	35.850	167.700	30.000	0.750	627.000	1.620	1.920	0.025	0.410
349	23.010	164.300	60.000	1.110	355.800	2.680	2.550	0.025	0.240
350	23.350	34.000	141.000	0.620	100.800	3.320	3.670	0.025	0.110

samp. #	Hg	In	K	La	Li	Mg	Mn	Mo	Na
348	2.470	0.030	0.100	12.70	12.20	0.150	1650.00	4.470	50.00
349	0.970	0.020	0.070	15.20	12.30	0.740	2013.00	3.590	50.00
350	0.450	0.020	0.090	11.90	13.00	1.560	2234.00	5.510	50.00

Samp.#	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc
348	0.150	209.10	842.00	11.40	6.500	0.010	1.770	11.170	6.200
349	0.460	525.2	1100.00	9.70	5.300	0.010	0.290	7.540	5.700
350	0.490	186.70	1076.00	12.50	4.800	0.005	0.140	4.890	3.100

Silt Samples - cont.

samp. #	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
348	5.900	0.100	12.00	0.020	0.080	2.800	25.000	0.025	5.300
349	4.600	0.100	40.50	0.010	0.070	2.000	0.012	0.025	7.100
350	3.500	0.100	44.00	0.005	0.100	2.900	0.013	0.050	4.760

samp. #	V	W	Y	Zn	Zr
348	45.00	0.110	73.410	253.00	11.30
349	59.00	0.120	79.730	1229.00	4.70
350	80.00	0.130	10.610	268.00	2.50

Table 4. Silt Sediment Assay Results. *Inspectorate Labs., Certificate No 11-360-06949-01v03. Assay results provided by Northern Tiger Resources.*

Soil Samples



Acme Analytical Laboratories (Vancouver) Ltd.

PHONE (604) 253-3158

www.acmelab.com

Client: **Krichbaum, Van**
Box 382
New Denver BC V0G 1S0 CANADA

Submitted By: Van Krichbaum
Receiving Lab: Canada-Vancouver
Received: November 13, 2012
Report Date: December 18, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN12005354.1

CLIENT JOB INFORMATION

Project: JD Gold
Shipment ID:
P.O. Number
Number of Samples: 5

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	5	Dry at 60C			VAN
SS80	5	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	5	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT-SOIL Immediate Disposal of Soil Reject

ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: **Krichbaum, Van**
Box 382
New Denver BC V0G 1S0
CANADA

CC:



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. *** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

Soil Samples - cont.

CERTIFICATE OF ANALYSIS		VAN12005354.1																			
Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Unit	Unit	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
MDL	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
JD12-S-037	Soil	3.3	47.0	10.4	61	0.3	21.1	5.2	373	2.65	18.4	1.7	0.3	18	0.2	3.8	0.2	59	0.05	0.165	10
JD12-S-038	Soil	5.7	97.7	19.3	71	1.9	26.7	7.3	257	4.27	21.3	10.1	1.3	28	0.4	2.9	0.4	70	0.05	0.133	14
JD12-S-039	Soil	2.7	39.7	11.6	81	0.7	28.5	7.6	454	2.77	11.4	5.6	1.0	16	0.4	2.8	0.2	49	0.09	0.089	16
JD12-S-040	Soil	5.4	36.0	13.3	58	1.3	26.2	6.4	186	2.34	13.2	15.7	2.1	18	0.2	5.6	0.2	51	0.14	0.118	19
JD12-S-041	Soil	4.2	40.2	10.1	84	0.7	32.3	7.1	472	1.95	11.3	5.7	0.2	6	0.1	5.2	0.2	41	0.02	0.091	8

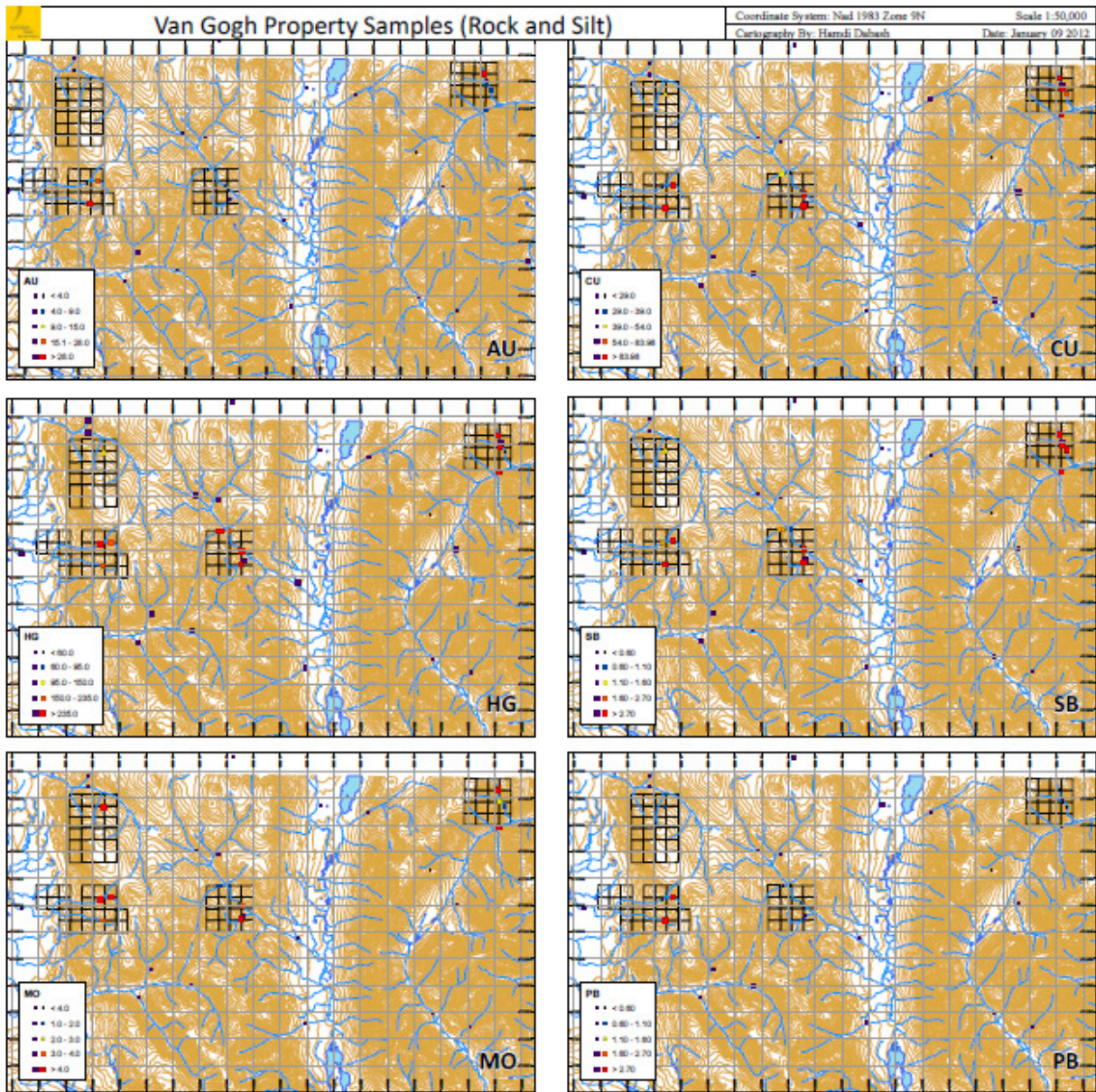
CERTIFICATE OF ANALYSIS		VAN12005354.1																		
Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Unit	Unit	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te			
MDL	MDL	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm			
JD12-S-037	Soil	22	0.17	145	0.007	<1	0.93	0.003	0.07	0.1	0.18	0.8	0.1	-0.05	3	0.7	-0.2			
JD12-S-038	Soil	38	0.29	247	0.013	<1	1.48	0.005	0.10	0.2	1.04	2.3	0.2	-0.05	5	2.6	-0.2			
JD12-S-039	Soil	24	0.21	180	0.014	<1	0.77	0.004	0.08	0.1	0.23	1.3	<-0.1	-0.05	4	1.4	-0.2			
JD12-S-040	Soil	32	0.36	186	0.022	<1	1.07	0.005	0.08	0.2	2.16	2.9	0.2	-0.05	4	4.0	-0.2			
JD12-S-041	Soil	17	0.05	163	0.005	1	0.27	0.002	0.07	0.1	0.48	1.0	0.2	-0.05	3	1.5	-0.2			

QUALITY CONTROL REPORT		VAN12005354.1																			
Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Unit	Unit	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
MDL	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
Reference Materials		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
STD DS9	Standard	13.2	113.7	137.3	322	1.9	42.9	8.2	612	2.48	27.1	133.8	7.1	82	2.3	6.0	7.0	48	0.77	0.085	15
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819	13.3
BLK	Blank	<-0.1	<-0.1	<-0.1	<1	<-0.1	<-0.1	<-0.1	<1	<-0.01	<-0.5	<-0.5	<-0.1	<1	<-0.1	<-0.1	<-0.1	<-2	<-0.01	<-0.001	<1

QUALITY CONTROL REPORT		VAN12005354.1																		
Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Unit	Unit	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te			
MDL	MDL	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm			
Reference Materials		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2			
STD DS9	Standard	123	0.65	313	0.127	3	1.03	0.109	0.44	3.1	0.20	3.2	5.9	<-0.05	5	6.3	5.5			
STD DS9 Expected		121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02			
BLK	Blank	<1	<-0.01	<1	<-0.001	<1	<-0.01	<-0.001	<-0.01	<-0.1	0.02	<-0.1	<-0.1	<-0.05	<1	<-0.5	<-0.2			

Table 5. Soil Sample Assay Results. *From mid-northern part of Julsey D claim block.*

NTR Silt Sample Results Composite Map



Map 15. NTR Silt (and Rock) Sample Results Source Map. *PDF original provided by Northern Tiger Resources and includes other areas besides the Julsey D property. There were no rock samples taken/assayed for the Julsey D claims staked.*