GEOLOGICAL, GEOCHEMICAL
and TRENCHING REPORT
on the 2006
ULTRA PROJECT

Eli 11-14	YC18433-36
Ultra 1-30	YC19001-30
Gab 23,25,27,29-33,35,37,39-47	YC19067,69,71,73-77,79,81,83-91
Ultra 37-65, 67-72	YC19098-126, 128-133
Ult 1	YC19376
Ultra 73-80, Tell 1-4	YC19398-409
Ult 2-7	YC25938-43
Ultra 81-90	YC26106-115
Ult 21-140, Ult 8-21,142-176	YC26239-407
Jen 1-40, 120, 251,136-167	YC26408-481
Ult 177-208	YC40233-248, 314-329
Ult 206-217	YC40368-379
VMS 1-12	YC5937-948

NTS: 115 B/16

Latitude 60°54'N Longitude 138°15'W

Whitehorse Mining District, Yukon

Work performed between August 1 and September 8, 2006

For

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1.0 Executive Summary

The 8,650 hectare Ultra Project, NTS map sheet 115 B/16, is located in the Whitehorse Mining District, approximately 42 km northwest of Haines Junction, which is 159 km by road from Whitehorse, Yukon Territory at a latitude of 60° 54'N and a longitude of 138°15'W. The property comprises the Eli, Ultra, Gab, Ult, Tell, Jen and VMS claims, owned by Mr. Tom Morgan and Mr. Vern Matkovitch, their company, 19651 Yukon Limited, and Klondike Gold Corporation. The 2006 program was funded by Klondike Star Mineral Corporation, under option from Klondike Gold Corporation.

The Ultra Project is underlain by Alexander Terrane in the southwest and Wrangell Terrane in the northeast, both part of the accreted Insular Super Terrane. The Alexander Terrane is comprised of Upper Proterozoic to Triassic volcanic and sedimentary rocks and co-magmatic intrusions. The Wrangell Terrane consists of Devonian to Permian arc volcanic, clastic and platform carbonate rocks overlain by Triassic oceanic rift tholeitic basalt and carbonate rocks and co-magmatic intrusions. The above rocks are overlain by Upper Jurassic to Lower Cretaceous Dezadeash Group clastic sediments, Paleocene to Oligocene Amphitheatre Group sediments and Miocene to Pliocene Wrangell Lavas.

The Kluane Ultramafic Suite hosts a number of magmatic nickel-copper-platinum group mineral occurrences in Wrangellia from Northern British Columbia, through Yukon and into Alaska. One of these occurrences, the Wellgreen Deposit, produced almost 200,000 tonnes of Ni-Cu-PGE ore in 1972 and 1973 and hosts reserves of 49.9 million tonnes grading 0.36% Ni, 0.35% Cu, 0.51 g/t Pt and 0.34 g/t Pd. The Kluane Belt nickel-copper-PGE occurrences are particularly enriched in the rarer platinum group elements osmium, iridium, ruthenium and rhodium.

The Ultra Project covers the Telluride and Boulder volcanogenic massive sulphide showings, the nickel-copper-PGE Frohberg showing and Jesse anomaly and the Jennifer copper-silver vein/stockwork showing.

Previous exploration on the Ultra Project has involved approximately 440m of drilling in 8 holes on the Boulder showing, hand trenching, rock, soil and silt geochemistry, a 1977 airborne electromagnetic survey, a 2004 airborne total magnetic field and electromagnetic survey and ground electromagnetic and magnetic geophysical surveys.

The 2006 program on the Ultra Project consisted of property wide geological mapping with concurrent geochemical sampling, detailed mapping of the Telluride, Frohberg, Redball and Silver Creek East areas, MMI grid soil surveys on the Lake, Redball and Silver Creek East grids, a beep mat geophysical survey over the Boulder showing, and trenching and pad building on the Telluride showing.

The most significant showing on the Ultra Project is the Telluride volcanogenic massive sulphide showing, which appears to be consistent with the Cypress type deposit model.

The massive sulphide horizon trends 130-140º/ 45-70ºS, ranges from 0.5 to 4m wide, has been traced for 200m and remains open along strike. The central portion overlies a 35m stockwork zone. The showing itself contains economic values of 3.23% Cu, 6.75% Zn, 17.8 Ag, 0.15 Au over 4m with maximum values of 13.4% Cu, 6.75% Zn, 56 ppm Ag, 0.25 ppm Au. The system has been traced 6 km to the southeast and appears to continue beneath glacier cover to the northwest.

The Telluride horizon has been discontinuously traced, due to glacier cover, 6 km along strike to the southeast. The Nunatak Zone, a bedded massive sulphide lens and associated stockwork zone was discovered 3 km southeast of the Telluride showing with results of 11.54% Cu, 1514 ppm Zn and 7.2 g/t Ag over 3m. Four km southeast of the Telluride showing semi massive pyritic horizons, sulphide bearing quartz veins and pyrite-chalcopyrite stockwork type mineralization is exposed along a rugged north facing slope with highly anomalous values including 2.34% Cu, 50.9 g/t Ag over 2m. A glacier obscures the northwestern strike extent of the Telluride showing.

Although the Ultra project covers intrusions with the same age and chemistry as those that host the nickel-copper-PGE deposit at the former Wellgreen Mine, the only significant mineralization discovered to date is the Frohberg Showing. Mineralization is confined to one of the smaller satellite intrusions and is limited in extent with the best results obtained from the 2002 trenching program at the southeast end of the exposure with highly significant values of 5.54 g/t Pt, 13.46 g/t Pd, 4.07 % Cu and 1.73% Ni over 0.5m. Although the nickel is associated with arsenic and antimony, exploration potential exists for a buried deposit beneath the talus and glacier immediately southeast of the Frohberg showing.

A small 1,000-1,300m diamond drill program in three to four holes from one setup is recommended on the Telluride volcanogenic massive sulphide showing to test the down dip extent of the massive sulphide horizon and associated stockwork zone.

Extension of magnetic and electromagnetic geophysical surveys southeast of the Frohberg showing would be useful in tracing the high grade mineralization encountered in the 2002 blast pit (5.54 g/t Pt, 13.46 g/t Pd, 4.07% Cu and 1.73% Ni over 0.5m) across a talus and glacier covered area.

Follow up on the Jesse Cu-Ni-PGE anomaly at the footwall contact of a 2 km by 300m wide ultramafic sill should involve the implementation of a reconnaissance magnetic survey to define the talus covered contact, to be followed up by hand trenching.

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2.0 INTRODUCTION AND TERMS OF REFERENCE

2.1 Qualified Person, Scope and Participating Personnel

Ms. Jean M. Pautler, P.Geo. was commissioned by Klondike Star Mineral Corporation, Whitehorse, Yukon to supervise and participate in an exploration program on the Ultra property near Haines Junction between August 1 and September 8, 2006. The program consisted of property wide geological mapping with concurrent geochemical sampling, detailed mapping of the Telluride, Frohberg, and Silver Creek East grid areas, MMI grid soil surveys on the Lake, Redball and Silver Creek East grids, a beep mat geophysical survey over the Boulder showing, and trenching and pad building on the Telluride showing.

The report summarizes previous programs and the geology of the region and documents the procedure and results of the 2006 exploration program on the Ultra property, supervised by the author, and makes recommendations for the next phase of exploration work. Work was undertaken by the author and Mr. Tom Morgan, Mr. Heiko Mueller, Mr. Sandro Frizzi and Mr. Kane Morgan, with supervisory visits by Mr. Bill Mann, M.Sc. of Klondike Star Mineral Corporation. Dr. Tim Liverton completed petrographic work, which is summarized in Appendix V.

2.2 Terms, Definitions and Units

All costs contained in this report are denominated in Canadian dollars. Distances are primarily reported in metres (m) and km (kilometers) and in feet (ft) when reporting historical data. GPS refers to global positioning system. Minfile showing refers to documented mineral occurrences on file with the Yukon Geological Survey. DDH refers to diamond drill hole. VLF-EM refers to very low frequency electromagnetic and HLEM horizontal loop electromagnetic types of geophysical surveys.

The term ppm refers to parts per million, which is equivalent to grams per metric tonne (g/t) and ppb refers to parts per billion. The abbreviation oz/ton refers to troy ounces per imperial short ton and oz/t to troy ounces per metric tonne. The symbol % refers to weight percent unless otherwise stated.

Elemental abbreviations used in this report include: gold (Au), silver (Ag), copper (Cu), lead (Pb), zinc (Zn), nickel (Ni), iron (Fe), arsenic (As), manganese (Mn), palladium (Pd), platinum (Pt), platinum group elements (PGEs) sulphide (S) and oxide (O).

Minerals found on the Ultra Project include pyrite (py) and pyrrhotite (po) (iron sulphides), magnetite and specular hematite (iron oxides), chalcopyrite (cp), bornite and chalcocite (copper, iron sulphides), enargite (copper, arsenic sulphide), malachite and azurite (both hydrous copper carbonates), galena (ga - lead sulphide), sphalerite (sp - zinc sulphide), tetrahedrite (copper silver, arsenic, antimony sulphide), breithauptite (nickel antimonide), nickeline (nickel arsenide), annabergite (hydrated nickel arsenate) and pentlandite (iron, nickel sulphide).

2.3 Source Documents

Sources of information are detailed below and include the available public domain information and private company data.

- Research of the Minfile data available for the area at www.geology@gov.yk.ca .
- Research of mineral titles at http://gysde.gov.yk.ca and www.mapsyukon.gov.yk.ca .
- Review of company reports and annual assessment reports filed with the government at http://emr.gov.yk.ca/library/.
- Review of geological maps and reports completed by the Yukon Geological Survey or its predecessors.
- Published scientific papers on the geology and mineral deposits of the region and on mineral deposit types.
- Work on the property by the author between August 2 and 25, 2006.

3.0 RELIANCE ON OTHER EXPERTS

The author has relied in part upon work and reports completed by others in previous years in the preparation of this report. Thorough checks to confirm the results of such prior work and reports has not been done. While the author has no reason to doubt the correctness of such work and reports, no responsibility is taken for the accuracy of work completed by others.

Further, while title documents and option agreements were reviewed for this study, it does not constitute nor is it intended to represent a legal, or any other, opinion as to the validity of the title.

4.0 PROPERTY DESCRIPTION AND LOCATION (Figure 1)

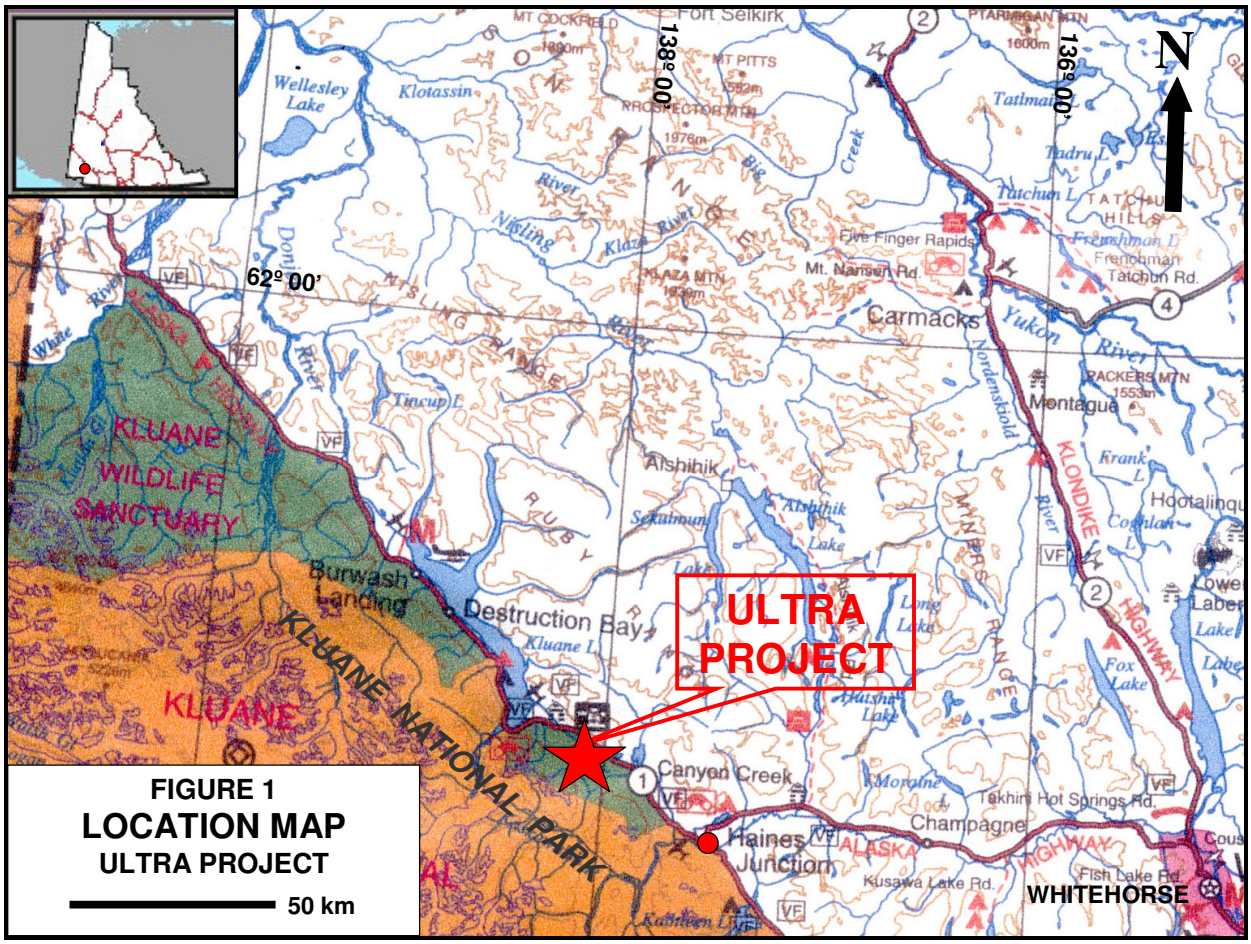
4.1 Location and Access

The Ultra Project, NTS map sheet 115 B/16 is located approximately 42 km northwest of Haines Junction, which is 159 km by road from Whitehorse, Yukon Territory *(Figure 1)*. The project area is centered at a latitude of 60° 54'N and a longitude of 138°15'W.

The project area is accessible from Haines Junction via the Alaska Highway (Highway 1), which is followed northwest to km 1037 near Boutellier Summit, just before Silver City. At this point a gravel road (part of the old Alaska Highway) heads southerly and is followed for 12 km. A rough 4X4 road, partially overgrown and primarily accessible by ATV, continues another 12 km to Telluride Creek, near the mouth of Cub Creek. Access to the upper and southern portions of the property is by helicopter. Helicopter charter services are available from Haines Junction on a year-round basis. In 2006 access was by helicopter from Haines Junction.

Haines Junction is the closest town, with a population of approximately 800. Facilities include a grocery store, health centre, ambulance service, RCMP, service stations and restaurants. The town is on the power grid with diesel backup. Complete services are

available in Whitehorse. Haines Junction is the gateway to Kluane National Park and lies 255 km via Highway 3 from the seaport of Haines, Alaska.



4.2 Physiography and Climate

The project lies within the Telluride Creek area of the Kluane Mountains and adjacent Shakwak Valley, in southwestern Yukon *(Figure 1)*. It covers the gentle, rising slope on the east side of the mountain range, continuing westward into the steep, craggy mountain peaks of the front ranges. Elevations range between 1000 and 2650 metres above sea level. Scattered black spruce and alder thickets occur at lower elevations. The alpine areas are generally devoid of vegetation and are dominated by barren talus slopes, rocky cliffs and mountain peaks. Water is available from Slims River, Silver Creek, Boutellier Creek, Bryson Creek, Telluride Creek and the Jarvis River and their tributaries.

The area is affected by coastal weather systems, situated approximately 150 km from the coast. It receives abundant moisture year round, especially in the mountains, where local weather systems often prevail. Snow generally begins accumulating in the high alpine areas in late August or early September and begins receding in late April to early May. Fieldwork can often be started at lower elevations by June, but at higher elevations a narrow window exists in August with minimum snow conditions. Summer temperatures range up to 30º Celsius and winter temperatures down to -50º Celsius.

4.3 Land Tenure (Figure 2)

The Ultra Project consists of 416 Quartz Claims, covering an area of approximately 8,650 hectares in the Whitehorse Mining District. The claims were staked in accordance with the Yukon Quartz Mining Act on claim sheet 115B/16, available for viewing in the Whitehorse Mining Recorder's Office. Legal surveys of the property boundaries have not been conducted.

The registered owners of the claims are Tom Morgan and Vern Matkovitch and their company, 19651 Yukon Limited, and Klondike Gold Corporation. Klondike Gold Corporation has an option to earn 100% interest in the property by making staged cash payments to the owners of $265,000 over five years and issuing 300,000 shares of Klondike Gold Corporation stock over the first two years. As well, Klondike must complete $500,000 in exploration expenditures on the property over four years. The vendors will retain a 2% net smelter return (NSR) on any future mineral production from the property. One hundred percent (100%) of the NSR can be purchased by Klondike Gold Corporation at any time for $3,500,000.

In 2005 Klondike Star Mineral Corporation, the operator in 2006, sub-optioned the Ultra property from Klondike Gold Corporation in a signed agreement that allowed for the acquisition of up to 75% interest in the claims.

Pertinent claim data is summarized in Table 1 and a detailed statement of claims with expiry dates, renewal years and renewal date is shown in Appendix II.

TABLE 1: Claim Data Summary

Claim Name	Grant No.	No.
Eli 11-14	YC18433-36	4
Ultra 1-30	YC19001-30	30
Gab 23,25,27,29-33,35,37	YC19067,69,71,73-77,79,81	10
Gab 39-47	YC19083-91	9
Ultra 37-65, 67-72	YC19098-126, 128-133	35
Ult 1	YC19376	1
Ultra 73-80	YC19398-405	8
Tell 1-4	YC19406-409	4
Ult 2-7	YC25938-43	6
Ultra 81-90	YC26106-115	10
Ult 21-140	YC26239-358	120
Ult 8-21	YC26359-372	14
Ult 142-176	YC26373-407	35
Jen 1-40, 120, 251	YC26408-449	42
Jen 136-167	YC26450-481	32
Ult 177-192	YC40233-248	16
Ult 193-208	YC40314-329	16
Ult 206-217	YC40368-379	12
VMS 1-12	YC53937-48	12
TOTAL		**416**

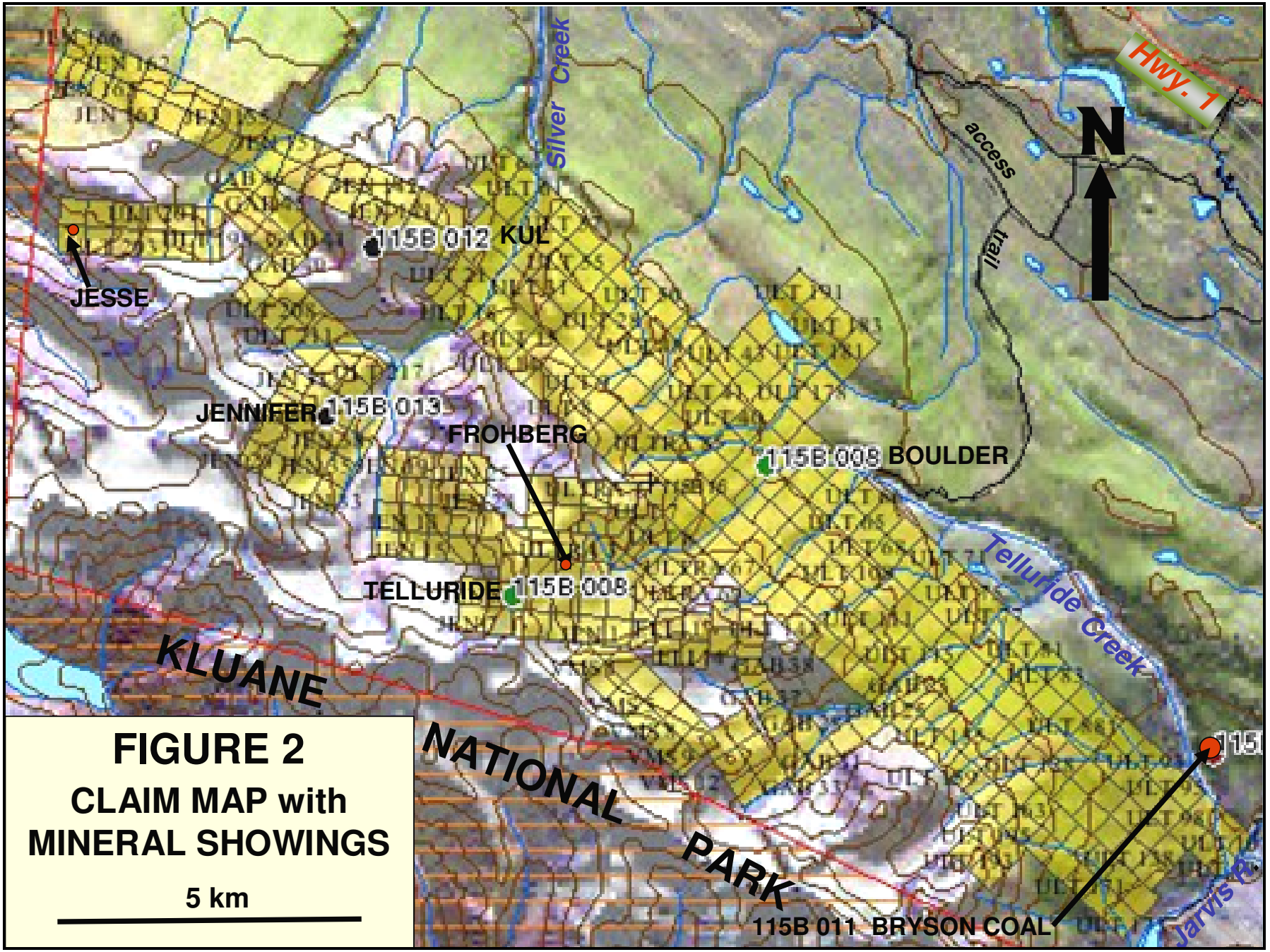


FIGURE 2

CLAIM MAP with MINERAL SHOWINGS

5 km

5.0 HISTORY

1903-04 Placer gold first mined at Silver Creek and Telluride Creek and discovery of "crushed copper-pyrite zones" near junction of Cub Creek with Telluride Creek by placer miners *(GSC, 1905)*.

1955-58 Resistivity, magnetic and gravity surveys, diamond drilling of 108m in 3 holes in 1956 (failed to reach bedrock) on Boulder showing *(Clark, 1956)* and discovery of Frohberg Ni-Cu-PGE showing in 1958 by Gaymont Prospectors Syndicate, which included Teck Exploration Company Limited and Iso Uranium.

1961-1962 Turam electromagnetic survey, outlining several conductors *(Watson, 1961)* tested by 116m of rotary drilling in two holes in 1962 on Boulder showing by Canadian Exploration Limited *(Woodcock, 1967)*.

1964 Staked by Meridian Syndicate but no work conducted.

1965-67 Turam electromagnetic survey, outlining several conductors in Boulder showing area *(Bosschart, 1966)*, soil sampling and geological mapping by Coranex Limited *(Woodcock, 1967)*.

1970 Program of electromagnetic surveying, soil sampling, geological mapping and diamond drilling of 216m in 3 holes on Boulder showing by Atlas Exploration Limited under option. Conductor explained by coal seams and marcasite in porous sedimentary unit *(*Coates, *1970)*.

1977 Scintrex airborne electromagnetic survey, Maxmin orientation survey, mapping, prospecting on Boulder and Frohberg showings with discovery of the Telluride massive sulphide showing by Aquitaine Oil Co. *(Abbott and Cathro, 1977)*.

1983-84 Prospecting, silt geochemistry and geological mapping by Noranda, returning anomalous Cu, Ag, Zn, Pb and Au in rocks north of Jennifer showing and discovery of Jennifer Cu-Au-Ag showing *(Reid, 1985)*.

1984 Geological mapping and prospecting of Jennifer showing by S. J. Hill, with values up to 1344 g/t Ag, 7.8 g/t Au and 22.5% Cu *(Rogers, 1985)*.

1988-89 Small trenching and sampling program on the Jennifer showing, returning values up to 685 g/t Ag and 16% Cu *(Stack, 1989)*.

1987 Geological mapping, prospecting and soil and rock geochemistry on the Frohberg showing by Nordac Mining Corp. *(Eaton, 1988a)* and exploration of the adjacent ultramafic targets, and geological mapping of the area from the Telluride showing to the massive sulphide boulders at the mouth of Cub Creek by the Reed Creek Joint Venture *(Eaton, 1988b)*.

2000-03 Geological and geochemical surveys in 2001 on Boulder and Frohberg showings *(Brickner, 2002)*, re-sampling of the massive sulphide boulders in 2002 with values up to 2.1% Cu, 5.1% Zn and 24.5 g/t Ag *(Mann and O'Shea, 2006)*, horizontal loop electromagnetic, VLF-EM and magnetometer surveys identifying three conductors and a magnetic low anomaly proximal

to the boulder occurrences *(Casselman, 2003)*, a blast trenching program on the Frohberg Showing, which returned 5.54 g/t Pt, 13.46 g/t Pd, 4.07 % Cu and 1.73% Ni in 2002 and extension of the HLEM survey *(Jackson, 2003)*.

2004 Airborne total magnetic field and electromagnetic surveys using the McPhar Hummingbird system, outlining 54 conductors, and a geological mapping and prospecting program by Klondike Gold Corporation under option *(Casselman, 2005)*.

2005 Program of prospecting, line cutting, a VLF-EM and magnetic survey over the Frohberg Ni-Cu-PGM showing, delineating the continuation of the ultramafic body, and horizontal loop electromagnetic surveys on the Lake and Redball grids in the Boulder showing area, delineating conductors consistent with a volcanogenic massive sulphide model *(Hildes, 2006),* by Klondike Star Mineral Corporation under option *(Mann and O'Shea, 2006).*

6.0 GEOLOGICAL SETTING

6.1 Regional Geology (Figure 3)

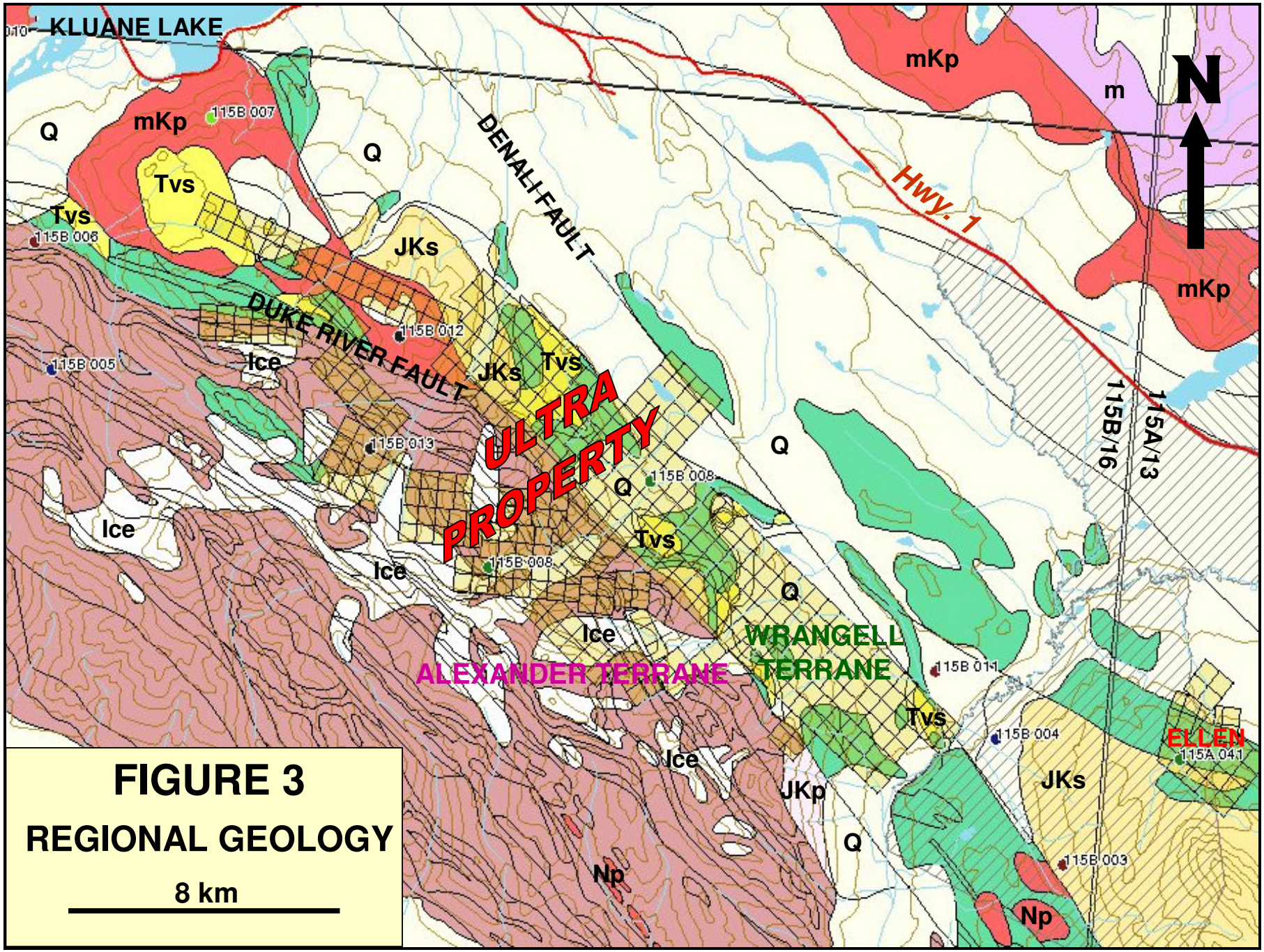
The Ultra Property occurs in the accreted Insular Super Terrane, divided into Alexander Terrane, to the southwest and Wrangell Terrane to the northeast *(Figure 3)*.

The Alexander Terrane is comprised of Upper Proterozoic to Triassic volcanic and sedimentary rocks of ocean arc, back arc, platform, rift, trough, and off-shelf settings, and co-magmatic intrusions. The Wrangell Terrane consists of Devonian to Permian arc volcanic, clastic and platform carbonate rocks overlain by Triassic oceanic rift tholeitic basalt and carbonate rocks.

Post accretionary units include Jura-Cretaceous sedimentary rocks (**JKs**), overlapping Wrangellia and Alexander Terranes (Dezadeash Group), and Tertiary felsic to mafic volcanic rocks with interbedded terrestrial sedimentary rocks (**Tvs**). Post accretionary intrusions include Jura-Cretaceous (**JKp**), mid Cretaceous (**mKp**) and Neogene plutons (**Np**).

Thick Quaternary (**Q**) deposits and glaciers (**Ice**) cover much of the region.

The major structural features of the area are the Denali Fault and the Duke River Fault. The Denali Fault is a large fault zone that defines the Shakwak Valley and lies along the northeast side of the property. It is a strike-slip fault with a dextral sense of motion with an offset in the order of 350 km. The Duke River Fault transects the property, separating the Alexander and Wrangell Terranes.


KLUANE LAKE
mKp
m
N
Q
mKp
115B 007
Tvs
Tvs
115B 006
JKs
DENALI FAULT
Hwy. 1
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Q
WRANGELL
TERRANE
ALEXANDER TERRANE
115B 011
Ice
Tvs
115B 004
ELLEN
115A 041
JKp
JKs
Q
115B 003
Np
Np
FIGURE 3
REGIONAL GEOLOGY
8 km

6.2 Property Geology (Figure 4)

The southwest property area is underlain by the Alexander Terrane, comprised of Silurian to Devonian Bullion Suite massive, well bedded, light gray limestone or marble, argillite and phyllite **(SDB)**. This succession is overlain by Devonian to Upper Triassic Icefield Group limestone, argillite, calcareous siltstone-sandstone and creamy white gypsum and anhydrite **(DTrI)** and intruded by the Devonian Steel Creek Suite, comprised of massive, medium to coarse grained, rusty green to green hornblende pyroxene gabbro sills and dykes with rare pods of peridotite **(PSC)** *(Gordey, 1999)*.

The Wrangell Terrane in the northeast property area is comprised of Upper Triassic Chitistone Group thin-bedded, light to dark gray limestone, dark gray argillite and white to creamy white anhydrite **(uTrC)**. These rocks are overlain and in places interbedded with Upper Triassic Nicolai Group amygdaloidal basaltic and andesitic flows with local tuff, breccia, shale and thin-bedded bioclastic limestone **(uTrN)**. The Chitistone Group is intruded by late Triassic Kluane Ultramafic Suite intrusions **(PTrK)**, which are comprised of medium green to green, massive, medium-grained, pyroxene gabbro and dark green to black peridotite and rare dunite. The Kluane Ultramafic Suite intrusives may be the source for the Nicolai Group volcanic rocks.

The above rocks are overlain by Upper Jurassic to Lower Cretaceous Dezadeash Group clastic sediments **(JKD)**, by Paleocene to Oligocene Amphitheatre Group sediments **(OA)** and intruded and overlain by Miocene to Pliocene Wrangell Lavas **(NW)**. The Dezadeash Group consists of a succession of dark buff-gray lithic greywacke, sandstone, siltstone, shale, argillite, phyllite and conglomerate. The Amphitheatre Group consists of yellow-buff sandstone, pebbly sandstone, polymictic conglomerate, siltstone, mudstone, minor carbonaceous shale and thin lignite coal. The Wrangell Lavas consist of rusty, red-brown basaltic andesite flows, interbedded with felsic tuff.

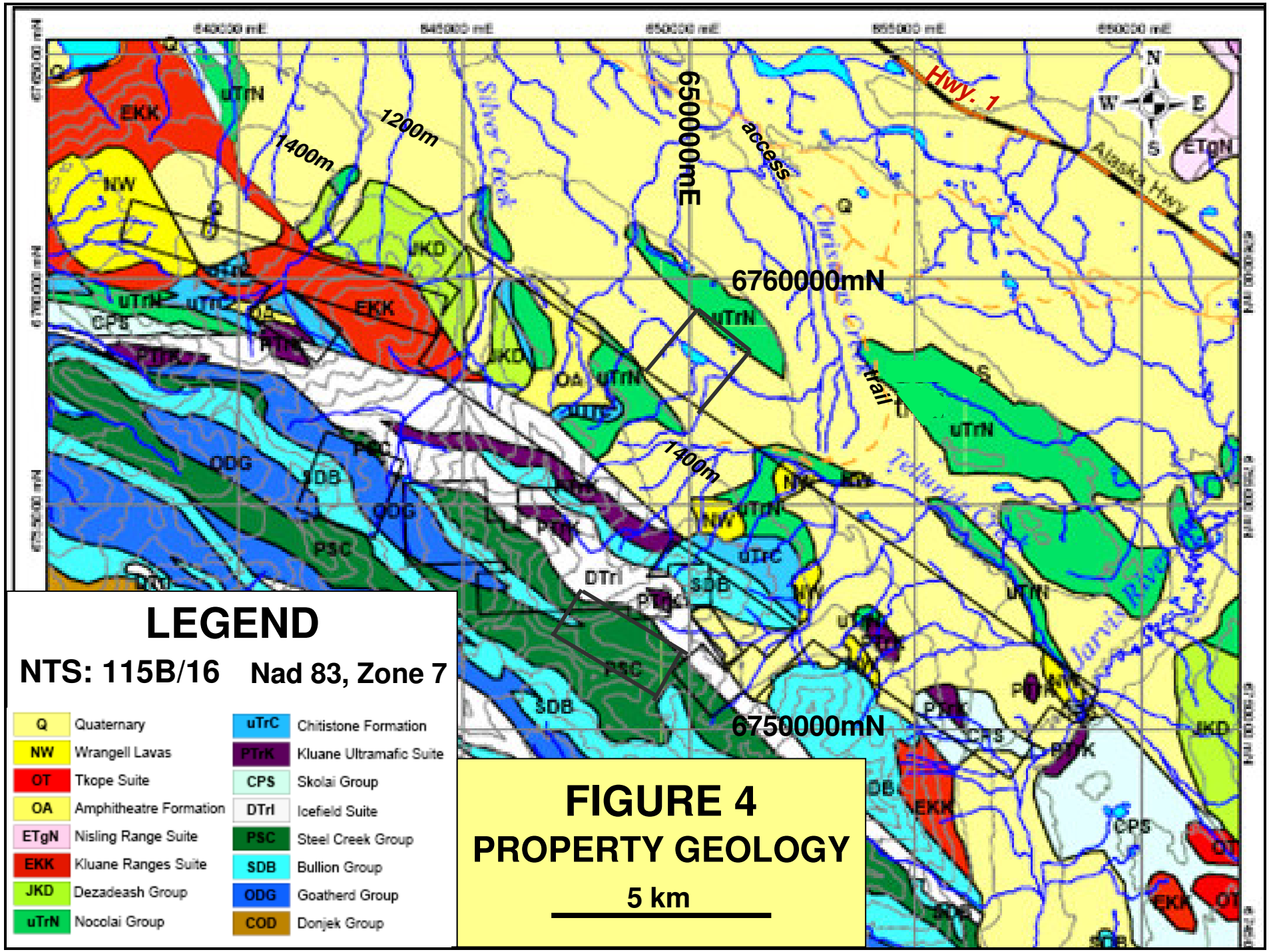
The late Early Cretaceous Outpost Mountain Intrusion of granodiorite to diorite composition intrudes Wrangellia in the northwestern property area. All of the above units are overlain by Quaternary unconsolidated glacial, glaciofluvial and glaciolacustrine deposits **(Q)**.

6.3 Structural Geology

The active Duke River Fault transects the property, separating the Alexander and Wrangell Terranes.

The property area can be divided into two structural domains, the southwestern domain which underwent intense tectonic activity, and the northeastern domain, which is characterized by more rolling, foothills-type folding and faulting. The southwestern part of the property underwent significant thrusting and compression and the entire stratigraphic package dips steeply southwest and strikes northwest along the front of the Kluane Ranges.

The northeastern property area is much less deformed. Rock units strike northwest with variable dips from 86º west to 30º east. They are dissected by large thrust and strike-slip faults that trend northwest, parallel to the trend of the Shakwak valley. These faults appear to have undergone considerable movement.


650000mE
6760000mN
6750000mN
Hwy. 1
Alaska Hwy
Silver Creek
access
trail
1400m
1200m
N
S
E
W
LEGEND
NTS: 115B/16 Nad 83, Zone 7
Q Quaternary
NW Wrangell Lavas
OT Tkope Suite
OA Amphitheatre Formation
ETgN Nisling Range Suite
EKK Kluane Ranges Suite
JKD Dezadeash Group
uTrN Nocolai Group
uTrC Chitistone Formation
PTrK Kluane Ultramafic Suite
CPS Skolai Group
DTrI Icefield Suite
PSC Steel Creek Group
SDB Bullion Group
ODG Goatherd Group
COD Donjek Group
FIGURE 4
PROPERTY GEOLOGY
5 km

7.0 DEPOSIT MODEL

Two main styles of mineralization have been observed on the Ultra property, volcanic hosted copper-zinc-silver-gold massive sulphide and flood basalt associated nickel-copper-PGE. Other mineralization within the Ultra Project includes copper-silver veins hosted by limestone at the Jennifer showing and surrounding area and minor polymetallic veins in the Jennifer and Kul areas.

7.1 Volcanic Hosted Copper-Zinc-Silver-Gold Massive Sulphide

The deposit model for the original Boulder and the in-situ Telluride showings within the Ultra Project is volcanic hosted copper-zinc-silver-gold massive sulphide. There is some controversy over the type with both Besshi (due to proximity to Windy Craggy within the same terrane) and Kuroko (due to local higher values in zinc) types being postulated. It should be noted that the Windy Craggy deposit has similarities to both Besshi and Cyprus type massive sulphide deposits *(British Columbia Minfile, 2005)*. Based on a literature review and the author's experience with deposits of this type, the Telluride and probable related Boulder showings are thought to belong to the Cyprus type, based on pillow basalt host rock, lens shaped morphology with associated stringer zone, obvious structural control by steep, normal faults and presence of regional pyritic horizons.

The following characteristics of the Cyprus massive sulphide deposit model are primarily summarized from Höy (1995).

Deposits of this type typically comprise one or more concordant lenses of massive pyrite and chalcopyrite (sometimes brecciated or banded) hosted by mafic volcanic rocks, underlain by a well developed pipe-shaped stockwork zone. The stockwork zone consists of a cross-cutting zone of intense alteration with disseminated, vein and stockwork mineralization and hydrothermally altered wallrock. The lenses may be overlain by or associated with chert layers, locally brecciated and containing disseminated sulphides.

Lenses commonly occur in tholeiitic or calc-alkaline marine basalts, commonly pillowed, near a transition with overlying argillaceous sediments generally within ophiolitic complexes formed at oceanic or back-arc spreading ridges and possibly within marginal basins above subduction zones or near volcanic islands within an intraplate environment. Many lenses appear to be structurally controlled, aligned near steep normal faults.

Ore mineralogy includes pyrite, chalcopyrite, magnetite, sphalerite, with lesser marcasite, galena, pyrrhotite, cubanite, stannite-besterite, hematite in a gangue of talc, chert, magnetite and chlorite.

Alteration consists of chlorite, talc, carbonate, sericite and quartz veins in the core of the stringer zone, sometimes with an envelope of weak albite with illite alteration. Goethite alteration of the top of the sulphide layer may occur. Pyritic horizons occur distally and can be useful regional indicators.

Published average grade and tonnage figures for Cyprus type deposits are 1.6 million tonnes containing 1.7 % Cu, 0 to 33 g/t Ag, 0 to 1.9 g/t Au, 0 to 2.1 % Zn. Examples in British Columbia include Chu Chua with reserves of 1.043 million tonnes of 2.97 % Cu, 0.4 % Zn, 8.0 g/t Ag, 1.0 g/t Au and Anyox with several deposits ranging from 0.2 to 23.7 million tonnes of approximately 1.5% Cu, 9.9 g/t Ag and 0.17 g/t Au. Associated deposit types include vein and stockwork copper (±gold) mineralization, manganese and iron rich cherts and massive magnetite (±talc) deposits.

7.2 Flood Basalt Associated Nickel-Copper-PGE

The Frohberg showing is one of twenty-five documented occurrences of nickel-copper-PGE±gold mineralization in the Kluane Range, Yukon Territory that constitute the singularly most important mineral resource in the Kluane Range. The deposit model is consistent with that of flood basalt associated nickel-copper-PGE deposits. The following description of the mineralization is summarized from the Metallogeny of the Kluane Ranges by Carnes, 2003.

The nickel-copper-PGE occurrences are genetically and geographically linked to a number of relatively large sill-like mafic-ultramafic intrusions of Triassic age, the Kluane Ultramafic Suite, which occurs within the Wrangell Terrane and extends from Northern British Columbia, through Yukon and into Alaska. The most significant occurrence is the former producing Wellgreen Mine, which is hosted by the Quill Creek Mafic-Ultramafic Complex. Wellgreen currently contains the largest resource of nickel-copper-PGE mineralization in the North American Cordillera. Due to weak metal prices, excessive dilution and erratic distribution only 171,652 tonnes of ore were mined between 1972 and 1973 with an average grade of 2.23% Ni, 1.39% Cu, 0.073% Co and 2.15 grams/tonne Pt and Pd. Wellgreen hosts reserves of 49.9 million tonnes grading 0.36% Ni, 0.35% Cu, 0.51 g/t Pt and 0.34 g/t Pd *(Hulbert, 1997)*.

The Quill Creek Mafic–Ultramafic Complex is a highly serpentinized and moderately deformed 16.5 km long northwest-trending group of sill-like bodies that vary in thickness from 10 to 600m. These intrude the host sedimentary-volcanic sequence in a variety of settings ranging from upper Station Creek Formation to lower Nikolai Assemblage levels. Generally, non-cumulus gabbro forms the floor along much of the west part of the Wellgreen segment of the complex, with repeated injections of gabbro and chilled margins at the contacts, grading more mafic upwards to much more volumetric pyroxenites and peridotites containing disseminated sulphides.

The gabbros commonly contain disseminated to heavily disseminated sulphide minerals and schlieren or lenses of massive sulphide mineralization displaying classic sulphide-silicate melt immiscibility features. Massive sulphide mineralization and better grades of disseminated sulphide mineralization are often spatially associated with irregular footwall contacts of the sills.

The major ore minerals include pyrrhotite and pentlandite followed by chalcopyrite and magnetite. Trace amounts of cobaltite-gersdorffite, covellite, arsenopyrite, ullmannite, chromite, ilmenite, violarite, galena, sphalerite, barite, Au-Ag alloy, and altaite are also present. Platinum group elements are present in a number of diverse minerals as fine-

grained disseminations, dominantly in magnetite, pyrrhotite, pentlandite-violarite and chalcopyrite.

The Wellgreen mineralization contains high levels of the rare PGE's rhodium, ruthenium, osmium, and iridium, comparable to the near age-equivalent Noril'sk deposits in Russia as indicated by a 1986 chip sample across the discovery outcrop at Wellgreen, which returned an average grade of 2.44% Ni, 2.07% Cu, 0.94% Co, 2400 ppb Pt, 2200 ppb Pd, 1020 ppb Au, 560 ppb Rh, 650 ppb Ru, 440 ppb Os, and 550 ppb Ir over 9.8m. In addition, high-grade PGE mineralization can be associated with relatively thin sill-like apophyses of the main ultramafic body in the Wellgreen area.

8.0 MINERALIZATION (Figures 2 to 10)

The Ultra property covers the Telluride volcanogenic massive sulphide and Jennifer copper-silver vein prospects as documented by the Yukon Geology Program as Minfile Numbers 115B 008 and 115B 013 *(Deklerk and Traynor, 2005)*. The Kul nickel-copper-PGE (Minfile 115B 012) and Bryson coal prospects (Minfile 115B 011) are located proximal to the property. Other showings in the property area include the Frohberg nickel-copper-PGE showing, discussed under the Telluride Minfile prospect (115B 008 - *Deklerk and Traynor, 2005)*, polymetallic veins in the Jennifer and Kul areas and nickel-copper-PGE potential in upper Jesse Creek.

The location of the showings on the property is summarized below in Table 2.

TABLE 2: Ultra Project Showings

Showing	UTM Nad 83,	Zone 7	Deposit
Name	Northing (mN)	Easting (mE)	Type
TELLURIDE	6753800	646260	Volcanogenic massive sulphide
BOULDER	6755980	650430	Volcanogenic massive sulphide
FROHBERG	6753718	647688	Flood basalt Cu-Ni-PGE
JESSE	6758300	637930	Flood basalt Cu-Ni-PGE
JENNIFER	6755437	642576	Cu-Ag Vein

Two locations are plotted for the Telluride prospect on the Minfile maps *(Deklerk and Traynor, 2005)*. The original showing near the junction of Cub and Telluride Creeks covered an occurrence of massive sulphide boulders, originally referred to as the Cub showing and now generally referred to as the Boulder showing. In 1977, the possible source of the boulders was located approximately 5 km to the southwest in rugged terrain at an elevation of 2532m. The original showing of boulders has become known as the Boulder showing and the high elevation massive sulphide occurrence as the Telluride showing and they will be referred to as such in this report. Only the Boulder showing has ever been drilled.

Mineralization at the original Boulder and the in-situ Telluride showings within the Ultra Project are representative of the volcanic hosted copper-zinc-silver-gold massive sulphide deposit model. Lead isotope studies from Telluride indicate non-radiogenic lead suggesting an older age of formation and a juvenile source, which would be expected in VMS mineralization associated with mafic volcanic rocks. Dating indicates an Ordovician age *(Mortensen, personal communication)*.

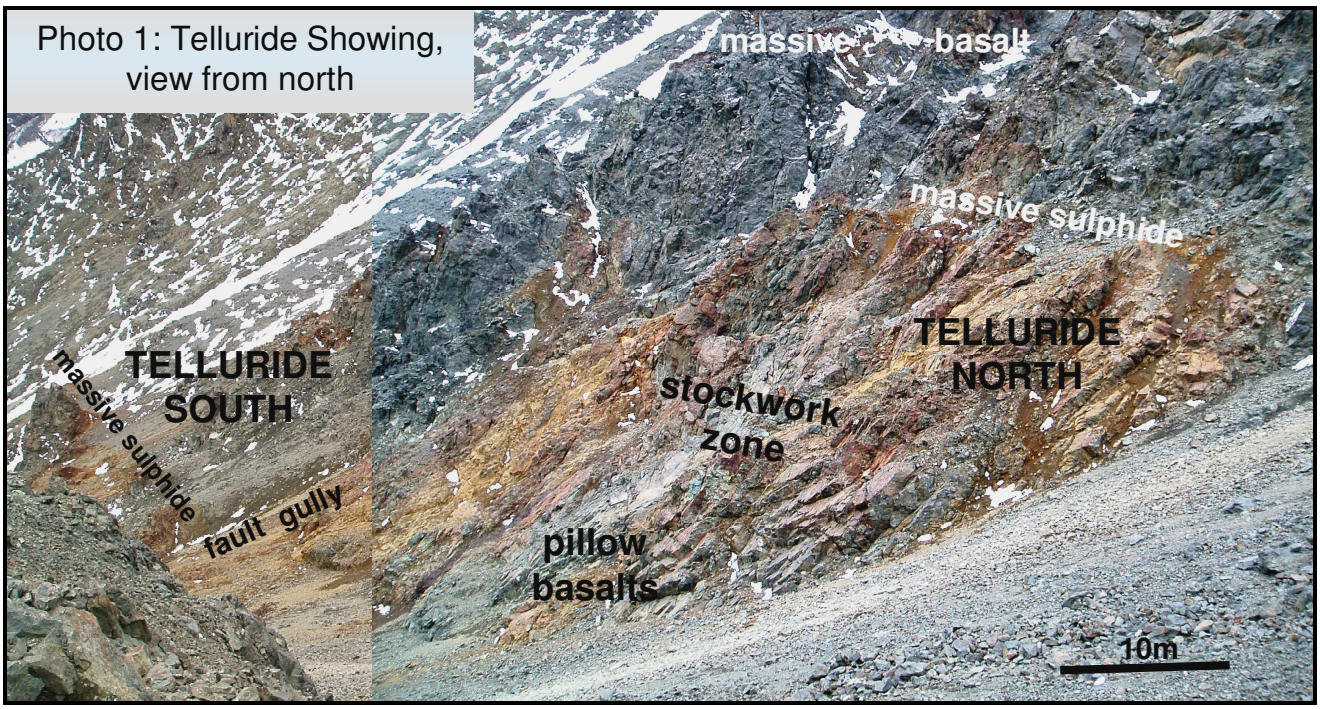
The Boulder showing consists of numerous layered massive sulphide boulders, reportedly weighing up to 15 tons that occur in what appears to be a terminal moraine along Cub Creek. The largest boulder is located at UTM co-ordinates 6756140mN, 650480mE using Nad 83, Zone 7 projection. The boulders consist of fine grained pyrite with lesser sphalerite (which occurs as distinct bands) chalcopyrite and trace galena in a quartz-carbonate gangue. The host rock appears to be a chloritic mafic volcanic, of probable Mesozoic to Paleozoic age.

Several coincident conductors occur approximately 300m upstream of the Boulder showing area, including conductors outlined by the 1961 Turam electromagnetic survey, the 2002 horizontal loop electromagnetic survey, the 2004 airborne electromagnetic survey and the 2003 and 2005 horizontal loop electromagnetic surveys on the Redball grid. The conductors correspond to the area of Clarke's (1956) resistivity anomaly and open southeastern strike extent. Minor native copper was intersected in the 1962 drilling along Alteration Creek and may be associated with a 120º/85ºN trending fault zone that was mapped in 2006 that follows the trend of the 1961 Turam anomaly (*Figure 9)*.

The Silver Creek East Grid covers a till covered area of variable thickness with several airborne geophysical conductors 4 km along strike to the northwest of the Boulder Showing. The area is underlain by what appears to be Triassic Nikolai basalt with interbeds of Chitistone limestone, both overlain on the west by Dezadeash Group sedimentary rocks (*Figure 10)*.

The Telluride showing *(Figures 6 and 7, Photo 1)* consists of an upper 0.5 to 4m wide zone of bedded massive sulphide, consisting of fine grained pyrite, lesser chalcopyrite, minor sphalerite and trace galena in a quartz-carbonate gangue, similar in appearance to the boulders at the Boulder showing. The massive sulphide is underlain by a 35m wide cherty to silicified stockwork zone with pyrite and lesser chalcopyrite stringers. The host rock consists of chloritic mafic pillow lavas near the contact with massive basalts, all of probable Paleozoic age (Ordovician) within the Alexander Terrane.

Photo 1: Telluride Showing, view from north



The massive sulphide horizon, trending 130-140º/45-70ºS, has been traced over a 200m strike extent at the Telluride showing, disappearing under a glacier to the northwest and under a talus slope and glacier to the southeast. It appears to be offset 35m by a steeply dipping apparent sinistral strike slip fault that follows a gully near the centre of the exposure *(see Photo 1)*. Other prominent fractures in the area trend 030º/70ºE.

The Telluride horizon has been discontinuously traced, due to glacier cover, 6 km along strike to the southeast. A bedded massive sulphide lens and associated stockwork zone (Nunatak Zone) was discovered in 2006 partially exposed in a nunatak 3 km southeast of the Telluride showing (Samples 390078-79).

One km further along strike to the southeast of the nunatak (4 km southeast of the Telluride showing) semi massive pyritic horizons, sulphide bearing quartz veins and pyrite-chalcopyrite stockwork type mineralization are exposed along a rugged north facing slope (Samples 390046-48, 390081-87).

The horizon thins 6 km along strike to the southeast (Samples 390077, 390050). It does continue, however, into Kluane Park. A glacier obscures the northwestern strike extent of the Telluride showing.

The Frohberg showing, discussed under the Telluride Minfile prospect (115B 008), is a separate showing that has been classified as Kluane Range nickel-copper-PGE$\pm$gold mineralization. Mineralization consists of pyrite, chalcopyrite and pyrrhotite, which occur as fracture fillings, stringers and in quartz-carbonate veinlets and quartz veins within tuffaceous beds that are commonly variably silicified and are hornfelsed to calc-silicate altered proximal to gabbroic sills and dykes. The tuffaceous character of the altered beds is only recognizable in thin section *(Appendix V)*. The sills range up to 5m wide and trend 140-170º/65-90ºSW and the dykes trend 050-60º/77ºS.

Petrographic work on Frohberg specimens *(Appendix V)* has indicated that nickel occurs as breithauptite (Ni, Sb) and nickeline (Ni, As) with minor pentandite (Fe, Ni, S) which occurs as inclusions in breithauptite. Malachite has been noted and in areas with low associated copper values may be annabergite, a green coloured hydrated nickel arsenate.

The Jesse showing constitutes an anomaly at the base of a 2 km by 300m wide ultramafic sill along a branch of Jesse Creek. The footwall contact of the sill is poorly exposed but was found to be limonite altered and a soil sample collected in 2005 contained anomalous Cu (338 ppm), Ni (1379 ppm) and elevated Pd (101 ppb).

The Jennifer prospect (115B 013) consists of a strong quartz $\pm$carbonate stockwork in a fault bounded block of siliceous limestone near the headwaters of Silver Creek. The individual veins, up to 1.1m wide but commonly a few millimetres to 30 cm, trend 035º/25ºW, 070º/30ºS, 070-095º/25-60ºNW, 160º/50ºW and contain chalcopyrite, bornite, tetrahedrite, enargite, chalcocite and specular hematite with malachite and azurite staining with high levels of antimony, mercury, bismuth, cadmium and arsenic. The stockwork extends over an area approximately 25m high by 100m by 30m wide. *(Refer to Photo 4 on page 24.)* Pb isotope studies indicate a young age (Cretaceous to Tertiary) for the mineralization *(Mortensen, personal communication).*

The Kul (Minfile 115B 012), just south of the Jen 141 and 142 claims on the southern flank of Outpost Mountain, is a possible nickel-copper-PGE occurrence with malachite noted along mafic intrusive contacts and in narrow shears. Minor skarn mineralization was noted in the limestone in this area, peripheral to gabbroic dykes. Narrow polymetallic quartz ±carbonate veins (copper±zinc±lead±silver) hosted by argillite and limestone were also noted through this area.

The Bryson showing (Minfile 115B 011), located just north of the southeastern claim area, consists of thin coal seams hosted by the Tertiary Amphitheatre Formation sedimentary rocks. One of the holes from the 1970 drill program on the Boulder showing also intersected coal seams of the Amphitheatre Formation. The coal seams are thin and are considered to have limited economic potential.

9.0 PREVIOUS EXPLORATION

Exploration on the Ultra Project, undertaken from 1955 to present, has involved approximately 440m of drilling in 8 holes, all on the Boulder showing, hand trenching, rock, soil and silt geochemistry, a 1977 airborne electromagnetic survey, a 2004 airborne total magnetic field and electromagnetic survey and ground electromagnetic (Turam, horizontal loop, VLF) and magnetic geophysical surveys.

9.1 Geochemistry

In 1955, the first claims were staked by Gaymont Prospectors Syndicate over the Boulder showing, which probably corresponds to the original “crushed copper-pyrite zones” discovered by placer miners in 1904 *(Geological Survey of Canada, 1905)*. No assays were reported from the boulders at this time.

The Frohberg nickel-copper-PGE+gold showing was discovered by Gaymont Prospectors Syndicate in 1958, with values up to 18.9% Cu, 2.75% Zn, 0.4% Ni, 7.54 g/t Ag and 3.43 g/t Au, while tracing the source of the massive sulphide boulders at the Boulder showing *(Abbott and Cathro, 1977).*

In 1965 Coranex Limited obtained an average of 1.6% Cu, 4.4% Zn and 6.86 g/t Ag from six channel samples across the layering in the massive sulphide boulders at the Boulder showing *(Abbott and Cathro, 1977).*

In 1967 a detailed 71 sample silt survey was conducted along the upper drainages of Telluride Creek by Coranex Limited to explore for the source of the massive sulphide boulders at the Boulder showing. Samples were analyzed for copper, zinc, total heavy metals and occasional lead but significant results were not obtained from Cub Creek *(Woodcock, 1967).*

A 77 sample soil geochemical survey was also completed by Coranex Limited in 1967, with analysis for copper, zinc and mercury. A mercury anomaly was found to coincide with the margins of the 1966 Turam conductor *(Woodcock, 1967)*. The source of the

boulders was thought to originate from the southeast from the area of the conductor due to glacial movement along the Shakwak valley *(Woodcock, 1967)*.

In 1970, the Atlas program located massive sulphide float, 3 km upstream of the original Boulder showing along Cub Creek, with values of 0.25% Cu, 3.96% Zn and 19.2 g/t Ag *(Abbott and Cathro, 1977).*

In 1977 a geochemical sampling program by Aquitaine Oil Company on the Boulder, Telluride and Frohberg showings returned values of 1.40% Cu, 13.9% Zn and 46.6 g/t Ag from the Boulder showing and up to 1.15% Cu, 0.02% Zn, 0.86% Ni, 6.86 g/t Ag and 5.14 g/t Pd from the Frohberg showing. The Telluride massive sulphide showing was discovered and a brief examination returned 0.50% Cu, 5.22% Zn and 7.54 g/t Ag from a composite sample of the massive sulphides *(Abbott and Cathro, 1977).*

TABLE 3: Summary of significant results from Boulder showing

Year	Sample Number	Cu %	Zn %	Ag g/t	Au g/t	Sample Description
1965	Coranex	1.6	4.4	6.86	trace	Average from six channel samples across the layering in boulders
1970	Y-1145	0.25	3.96	19.2	trace	Grab of massive sulphide float 3 km upstream of original showing
1970	Y-1146	5.30	6.82	41.1	0.686	Grab from largest massive sulphide boulder at Boulder showing
1977	H21025	1.40	13.9	46.6	0.103	Grab from largest massive sulphide boulder at Boulder showing
2002	*	2.1	5.1	24.5	trace	Maximum values from boulders at Boulder showing
Avg.	†	1.8	6.9	24.0	trace	Average grade calculated from massive sulphide boulders

* Mann and O'Shea, 2006 † Deklerk and Traynor, 2005

In 1984 a geochemical survey, involving the collection of 38 silt and 37 rock samples, in the area north of the Jennifer showing was undertaken by Noranda, following up silt anomalies obtained in 1983 *(Reid, 1985)*. The survey outlined a 50 hectare drainage basin with anomalous Au, Zn, Ag, Cu and Pb in an area north of the west branch of Silver Creek. The drainage basin contains quartz stockworks and veins with malachite, chalcocite, ±galena hosted by black phyllitic argillite and limestone and limestone with pyrrhotite and chalcopyrite stringers containing values up to 5200 ppm Cu, 4800 ppm Pb, 600 ppm Zn, 450 ppm Ag and 220 ppb Au. Results of > 4% Cu, 472 ppm Pb, 9200 ppm Zn, >500 ppm Ag and 440 ppb Au were obtained from the Jennifer showing.

Eight grab samples were also collected from the Jennifer showing in 1984 with values up to 1344 g/t Ag, 0.62 g/t Au and 22.5% Cu, with a previous sample reported to assay 7.8 g/t Au *(Rogers, 1985)*.

In 1987, 126 soil and 43 rock samples were collected from the Frohberg showing and surrounding areas underlain by mafic to ultramafic intrusions by Nordac Mining Corp. *(Eaton, 1988a)* and 52 soil and 38 rock samples by the Reed Creek Joint Venture from an area underlain by mafic to ultramafic intrusions 3 km southeast of the Frohberg showing *(Eaton, 1988b)* and analyzed for Cu, Ni, Au, Pt and Pd. The Nordac program returned values up to 1.6% Cu, 0. 21% Ni, and 2.2 g/t Pd from the Frohberg showing but only 0.14% Ni and 0.07% Cu from surrounding areas and the Reed Creek JV returned up to 0.19% Ni and 0.06% Cu with no anomalous gold or PGE values.

Fifty rock samples were collected in 2001 from the Frohberg showing and other exposures of mafic to ultramafic rocks on the property yielding 1.97 g/t Pd, 0.203 Pt g/t and 1.66% Cu from ULT 21 R 040 from the Frohberg showing and up to 2.7% Cu, 0. 83% Ni, 4.1% Zn and 23.5 g/t Ag from other exposures of mafic to ultramafic rocks *(Brickner, 2002).*

In 2002 sampling of conglomerate float with malachite and sulphide stringers from the Boulder showing returned 0.86% Cu, 1.86% Zn and 85.1 g/t Ag *(Morgan and Matkovich, 2003)* and values of 5.54 g/t Pt, 13.46 g/t Pd, 4.07% Cu and 1.73% Ni over 0.5m from trenching on the Frohberg showing *(see "Trenching" section on following page)*.

TABLE 4: Summary of significant results from Frohberg showing

Year	Sample Number	Cu %	Ni %	Ag g/t	Pd g/t	Au g/t	Sample Description
1958	Gaymont	18.9	0.4	7.54	-	3.43	Maximum values
1977	Aquitaine	1.15	0.86	6.86	5.14	0.17	Maximum values
1987	Nordac	1.6	0.21	-	2.2	0.51	Maximum values
2001	ULT 21 R 040	1.66	0.64	7.8	1.97	0.24	Silicified sediment, py, cp, po
2002	ULT 02 R 01	4.05	1.7	15.8	13.46	0.46	As above, from trenching, 5.54 g/t Pt

In 2004 numerous quartz-pyrite stockwork boulders were identified in the headwaters of Bryson Creek returning 1.14% copper with anomalous As, Hg, Sb and Zn. Weak to moderate pyrite stockwork mineralization was also uncovered in mafic volcanic rocks in a number of creeks, including Boutellier Creek, along the eastern side of the claim boundary, which were thought to represent a feeder system to the VMS style mineralization at the Boulder showing *(Casselman, 2005)*.

9.2 Geophysics

A resistivity and magnetic survey and three uncorrected gravity profiles were completed in the Boulder showing area by Gaymont Prospectors Syndicate in 1955 to 1956 to locate the source of the massive sulphide boulders at the Boulder showing. A well defined magnetic high and resistivity low was defined approximately 300m upstream (southwest) of the most upstream occurrence of boulders known at this time. Results of the gravity survey were inconclusive *(Clark, 1956)*.

A Turam electromagnetic survey over the Boulder showing by Canadian Exploration Limited in 1961 outlined a northwest trending broad conductive zone with several conductive trends that appeared to correlate with the 1956 (Clark's) resistivity anomaly *(Watson, 1961)*.

Another Turam electromagnetic survey was completed over the Boulder showing by Coranex Limited in 1966 outlining a small conductor southeast of the massive sulphide boulder float, assumed to lie up ice of the Shakwak ice trend *(Bosschart, 1966)*.

An airborne electromagnetic survey, carried out by Scintrex, and a Maxmin orientation survey was completed in 1977 by Aquitaine Oil Co. to locate the source of the massive sulphide boulders at the Boulder showing, but results were not published *(Abbott and Cathro, 1977)*.

In 2002 horizontal loop electromagnetic (HLEM), VLF-EM and magnetic surveys, totaling 8.625 line km, were completed over the Ultra Grid, on the Boulder showing, identifying two conductors and a magnetic low anomaly proximal to the boulder occurrences. A VLF-EM survey was also completed over the Frohberg showing but did not indicate any conductivity *(Casselman, 2003)*. In 2003 the HLEM survey over the Ultra Grid was extended *(Jackson, 2003)*.

A 200 line km airborne total magnetic field and electromagnetic survey using the McPhar Hummingbird system was completed in 2004 by Klondike Gold Corporation over the lower slopes in the northeastern property area, directed towards locating the source of the massive sulphide boulders of the Boulder showing. A total of 54 anomalies were outlined *(Casselman, 2005)*.

In 2005 a VLF-EM and magnetic survey was undertaken over the Frohberg Ni-Cu-PGE showing and horizontal loop electromagnetic (HLEM) surveys were completed on the Lake and Redball grids in the Boulder showing area *(Hildes, 2006)* by Klondike Star Mineral Corporation under option. The Redball grid covers the best anomaly identified by the 2004 airborne electromagnetic survey and confirms anomalies identified by the 2002-2003 ground HLEM survey on the Ultra grid, but was better oriented with respect to the regional geological strike *(Mann and O'Shea, 2006)*.

A conductor was outlined adjacent to a magnetic high anomaly on the Redball grid coincident with the Redball airborne anomaly and within the 1961 Turam electromagnetic anomaly. On the Lake grid a conductor was delineated southwest of a central, intermediate magnetic high anomaly *(Mann and O'Shea, 2006)*. Both the Lake and Redball anomalies are consistent with the VMS model (*Hildes, 2006)*. However, as noted under "Mineralization", the Denali fault is thought to transect the Lake grid area and would be consistent with the anomalies obtained. A fault was also mapped in Alteration Creek in 2006 that follows the trend of the 1961 Turam electromagnetic anomaly.

The VLF survey at the Frohberg showing confirmed the continuation of the host ultramafic sill that is partially obscured by overburden. The magnetic survey suggests that the Frohberg showing represents an apparent offshoot of a larger body underlying the creek, in an area with little outcrop.

9.3 Trenching

In 1988 and 1989 two small hand trenches and three pits were excavated in the Jennifer showing area, returning values up to 751 g/t Ag and 16% Cu from quartz ±carbonate veining exposed in Pit 88-1 on the Jennifer showing and 8.0% Zn from a quartz-sphalerite-pyrite breccia in limestone in Trench 89-1, approximately one km north of the Jennifer showing *(Stack, 1989)*. *(Refer to Photo 4 on page 24.)*

In 2002 a hand trench was excavated at the southeastern end of the Frohberg showing, returning 5.54 g/t Pt, 13.46 g/t Pd, 4.07 % Cu and 1.73% Ni over 0.5m from the silicified tuffaceous rocks at the margin of a gabbro sill *(Morgan and Matkovich, 2003*). *(Refer to Figure 8.)*

9.4 Drilling

Three drill programs, totaling 440 metres in 8 holes, were completed on the Ultra Property, all on the Boulder showing area, between 1956 and 1970, testing for the source of the massive sulphide boulders. Table 5 below summarizes the drill programs.

Table 5: Drill programs on Ultra

Year	Company	Holes	Type	Depth (m)
1956	Gaymont Prospecting Syndicate	3	diamond	108
1962	Canadian Exploration Limited	2	rotary	116
1970	Atlas Exploration Limited	3	diamond	216
TOTAL		**8**		**440m**

The 1956 drill program tested the magnetic high and resistivity low anomaly approximately 300m upstream of the most upstream occurrence of boulders but failed to reach bedrock as the casing twisted off due to extensive boulder till *(Clark, 1956)*. The 1962 churn drill program tested conductors in the eastern portion of the geophysical anomaly but did not intersect massive sulphides. The cuttings were reported to contain some disseminated native copper *(Woodcock, 1967)*. The 1970 drill program tested a conductor along the Shakwak ice trend. One hole was lost in overburden and another hole intersected coal seams and marcasite in porous sedimentary rocks thought to be responsible for the conductor (*Coates*, *1970)*.

Most of the drill holes were located in the field in recent years. GPS co-ordinates with specifications are tabulated below.

TABLE 6: Drill hole specifications

DDH No.	UTM Nad 83, Northing	Zone 7 Easting	Az. (°)	Dip (°)	Depth (ft)
56-1	6755560	650155	SW	-45	124
56-2	6755393	650283	SW	-50	110
56-3	6755622	650021	-	-90	120
62-A	6754733	650675	-	-90	190
62-B	6754716	650653	-	-90	190
70-1	6755657	650830	225	-55	62
70-2	6755657	650830	-	-90	362
70-3	6755511	650936	225	-60	285
TOTAL:				**(440m)**	**1443 ft**

The 1970 core storage was located on the property in 2006 at UTM coordinates 6756057mN, 650981mE, Nad 83, Zone 7 but is in a state of total disrepair.

10.0 2006 EXPLORATION PROGRAM (Figures 5-10)

The 2006 program on the Ultra Project consisted of property wide geological mapping with concurrent geochemical sampling, detailed mapping of the Telluride, Frohberg, Redball and Silver Creek East areas, MMI grid soil surveys on the Lake, Redball and

Silver Creek East grids, a beep mat geophysical survey over the Boulder showing, and trenching and pad building on the Telluride showing. The beep mat survey was of a reconnaissance nature to trace and find additional boulders at the Boulder showing. Since detailed readings were not recorded, the cost of the survey has not been applied to the assessment costs.

The mapping program is discussed under the "Mineralization" section of this report. Geochemical procedure, trenching and sample results are discussed under the respective sections below. Figure 4b shows the general property geology with more detailed areas mapped in 2006 shown on Figure 5 with the sample locations.

The Telluride showing was investigated to determine if it could be the source of the boulders in the Boulder showing, to delineate the zone and evaluate the potential *(Figures 6-7)*. The Frohberg showing was mapped in detail to determine its economic significance *(Figure 8)*. Other occurrences of Kluane Range ultramafic sills were investigated and sampled.

The Jennifer showing was explored to determine the larger scale potential of significant copper-silver mineralization known to occur within narrow quartz veins. Chip samples were collected over the veins and adjacent hanging wall and footwall zones that commonly contain stringer or stockwork type mineralization. The Kul area was evaluated to the north of the Jennifer to determine if it hosted similar mineralization as the Jennifer, to evaluate the copper-nickel-PGE potential and to follow up anomalies from Noranda's 1984 program.

The MMI samples were collected from three grids to test for the presence of massive sulphide mineralization in areas of previously outlined geophysical conductors below thick deposits of glacial till where conventional soil sampling is ineffective.

The Redball *(Figure 9)* and Silver Creek East *(Figure 10)* grid areas were mapped to correlate with results from the MMI sampling program. There is no exposure in the Lake grid area. It should be noted that there is less till cover in portions of the Silver Creek East grid compared to the Redball and Lake grids.

The Redball and Lake grids were previously established in 2005. The Redball grid centred at UTM coordinates 6755265mN, 650405mE, Nad 83, Zone 7 is 500m x 600m with a line spacing of 50m and covers the best anomaly identified by the 2004 airborne electromagnetic survey. The Lake grid centred at 6757740mN, 650530mE is 1000m x 800m with a line spacing of 100m and covers a conductor adjacent to an intermediate magnetic high anomaly. The Silver Creek East grid, centred at 6758000mN, 646400mE, consists of three 060º trending 800m long lines spaced 100m apart over an area underlain by several airborne geophysical conductors outlined in 2004.

The current work is summarized below under the respective sections and illustrated in Figures 5 to 10.

10.1 Geochemical Procedure

A total of 157 rock and 16 soil samples were collected from the 2006 geological-geochemical program over the Ultra Project. An additional 242 soil samples were

collected for Metal Mobile Ion (MMI) analysis from three soil grids, 100 from the Redball (Samples 390251-346, 351-354), 62 from the Lake (Samples 390355-416) and 80 from the Silver Creek East (Samples 390425-444, 391901-940, 951-970).

The property wide samples were sent to Acme Analytical Laboratories Ltd, Vancouver, British Columbia and analyzed for Al, Sb, As, Ba, Bi, B, Cd, Ca, Cr, Co, Cu, Ga, Au, Fe, La, Pb, Mg, Mn, Hg, Mo, Na, Ni, P, Ag, K, Sc, Sr, S, Tl, Th, Ti, Sn, W, U, V and Zn using Acme's Group 1DX analysis, a 36 element ICP package which involves a nitric-aqua regia digestion. Select samples were analyzed for PGE's and gold by Acme's Group 3B –MS analysis involving analysis by fire assay on a 30g sample with an ICP–mass spectrometry finish. Due to high values eight assays were completed for copper and six for zinc by Acme's Group 7AR using a hot aqua regia digestion followed by ICP–ES analysis.

Quality control procedures were implemented at the laboratory, involving the regular insertion of blanks and standards and repeat analyses.

Sample descriptions with select results are outlined in Appendix III. Lab procedures and results are outlined in Appendix IV. Sample locations for the property are plotted on Figure 5 and more detailed locations with select results on Figures 6 to 10.

The rock samples primarily consisted of grab and chip samples of alteration and sulfide bearing zones and vein, stockwork and stringer mineralization, exposed as subcrop, outcrop and local float. The samples were placed in clear plastic sample bags, numbered and secured in the field. The soil samples were collected from the B or C horizon with a geological hammer and sent to the lab in numbered waterproof Kraft bags.

The MMI samples were collected by shovel across an interval at a depth of 10 to 25 cm, placed in two sets of sealable 4mm plastic bags and sent to SGS Minerals Services, Toronto Ontario for analysis, which involves leaching of a representative subsample with a weak acid solution followed by ICP–mass spectrometry analysis for 39 elements *(see Appendix III)*. Response ratios were calculated and plotted for Ba, Cd, Co, Cu, Fe, Mo, Pb and Zn for each grid (*Figures 11- 37)*.

10.2 Geochemical Results

10.2.1 Geochemistry and trenching on Telluride prospect (Figures 6, 7)

A helicopter pad was blasted at UTM coordinates 6753935mN, 646309mE, Nad 83, Zone 7 to enable access to the rugged Telluride prospect, since previous work was hampered by the inaccessibility of the showing. The pad is shown in Photo 2, opposite.

Photo 2: View of Telluride Pad from west

The Telluride showing *(Photo 1, Figure 6)* was systematically sampled and four hand-blast trenches (trenches TR 06-1 to TR 06-4, from south to north) were excavated in the lower, southern, offset portion of the massive sulphide horizon (Telluride South) over a strike length of 60m. Four additional trenches (trenches TR 06-5 to TR 06-8, from south to north) were excavated in the upper, northern portion of the massive sulphide horizon (Telluride North) over a strike length of 100m. A detail of the trenches is shown in Figures 7 and 8.

Trench 06-1 extends 10m across the lowermost, southernmost extent of the massive sulphide horizon. Competent bedrock was not uncovered in Trench TR 06-2. Trench TR 06-3 covers 15m into the hanging wall of the massive sulphide horizon, with samples collected across 5m intervals to cover the zone. Trench specifications and results from the southern portion of the massive sulphide horizon are outlined in Table 7 below.

TABLE 7: Trench specifications and results, Telluride South

Trench No.	Location	Northing mN	Easting mE	Size (m)	Az. (º)	Sample Numbers	Significant Results of VMS horizon (in ppm unless stated)
TR 06-1	0m N	675685	646324	10X1	250	390347-50, 58	876 Cu, 1066 Zn /2m - 390348
TR 06-2	20m N	675700	646315	7X1	250		overburden
TR 06-3	40m N	675720	646308	20X1	265	390421-24	967 Cu, 358 Zn, 12.2 Ag, 0.185 Au /5m - 390421
TR 06-4	60m N	675730	646318	4X1	240	390059	6857 Cu, 6.15% Zn, 962 Pb, 34.7 Ag
TOTAL						**10**	

The footwall zone was sampled in Trench TR 06-1 (Samples 390349-50) with elevated results from the immediate footwall returning 8.3 ppm Ag and 457 ppm Zn (Sample 390349). The hanging wall zone was sampled in TR 06-1 (Sample 390347) and TR 06-3 (Samples 390422-24) with no significant results. Overall copper values appear to improve to the north.

Better results were obtained from the 100m long northern strike extent of the massive sulphide horizon, north of the probable 35m sinistral fault offset from the southern portion. There is a 40m gap between the south and north portions of the massive sulphide horizon due to a steep talus filled gully between TR 06-4 and TR 06-5. The fault is thought to occupy the gully. Results for the massive sulphide horizon in the northern portion (Telluride North) are summarized in Table 8 below.

TABLE 8: Trench specifications and results, Telluride North

Trench No.	Location	Northing mN	Easting mE	Sample Numbers	Significant Results of VMS horizon (in ppm unless stated)
TR 06-5	0m N	675767	646269	390060	4426 Cu, 405 Zn
TR 06-6	30m N	675795	646256	390061	7.65% Cu, 3088 Zn, 56 Ag, 0.25 Au/ 0.75m
TR 06-7	40m N	675804	646260	390062-5	3.23% Cu, 6.75% Zn, 17.8 Ag, 0.15 Au/ 4m - 390062
grab	40m N	675804	646250	390146	13.4% Cu, 564 Zn, 44.4 Ag, 0.225 Au
TR 06-8	100m N	675854	646222	390150-1	1.30% Cu, 3819 Zn, 37.3 Ag/ 0.3m - 390151
TOTAL				**10**	

Samples of the immediate footwall were collected from TR 06-7 with copper values progressively decreasing below the sulphide layer to 2390 ppm Cu, 227 ppm Zn (Sample 390063), 631 ppm Cu, 880 ppm Zn (Sample 390064) and 428 ppm Cu, 82 ppm Zn (Sample 390065). A sample collected in the footwall of 390151 in TR 06-8 was not anomalous (Sample 390150).

The trace element signature for the massive sulphide horizon at the Telluride showing includes high cobalt (commonly >40 and often >100 ppm), iron, sulphur usually >10, bismuth >3, thallium >1, selenium, molybdenum, cadmium, enhanced gold, arsenic, +/- mercury and +/- depleted in scandium. Magnesium and chromium are commonly enhanced in the hanging wall and footwall zones.

The Telluride horizon has been discontinuously traced, due to glacier cover, 6 km along strike to the southeast. Sampling of the ridge 2 km southeast of the showing did not return anomalous values (Samples 390156-58, 417-420). However, another lense is partially exposed in a nunatak, 3 km southeast of the showing with results of 11.54% Cu, 1514 ppm Zn and 7.2 g/t Ag over 3m (Sample 390079). The footwall returned 796 ppm Cu with 358 ppm Zn (Sample 390078).

One km further along strike to the southeast of the nunatak (4 km southeast of the Telluride showing) semi massive pyritic horizons, sulphide bearing quartz veins and pyrite-chalcopyrite stockwork type mineralization is exposed along a rugged north facing slope with values of 2.34% Cu and 50.9 g/t Ag over 2m (Sample 390082), 5.34% Cu and 9.7 g/t Ag over 0.5m (Sample 390085). This appears to be the source of the copper bearing boulders in Bryson Creek that returned 1.14% Cu in 2004.

Anomalous values up to 295 ppm Cu, 2214 ppm Zn and 607 ppm Pb (Samples 390050, 390077) were obtained from a cliff face 6 km along strike to the southeast of the Telluride showing, on the east side of upper Bryson Creek.

10.2.2 Jennifer

The Jennifer showing returned maximum values of 1.0 % Cu, 98 g/t Ag over 0.6m from a quartz vein (sample 390453) from Trench 88-1 *(Photo 3)* and 0.39 % Cu, 31 g/t Ag over 2.5m from a series of quartz veins cutting limestone (sample 390459). Chip samples were collected over the veins and adjacent hanging wall and footwall zones that commonly contained stringer or stockwork type mineralization. Significant values were not obtained from rocks in the hanging wall and footwall zones and no anomalous gold values were obtained. High levels of Sb, Hg, Bi, Cd and As are associated with the Cu-Ag mineralization in this zone.*(Refer to Photo 4, below.)*

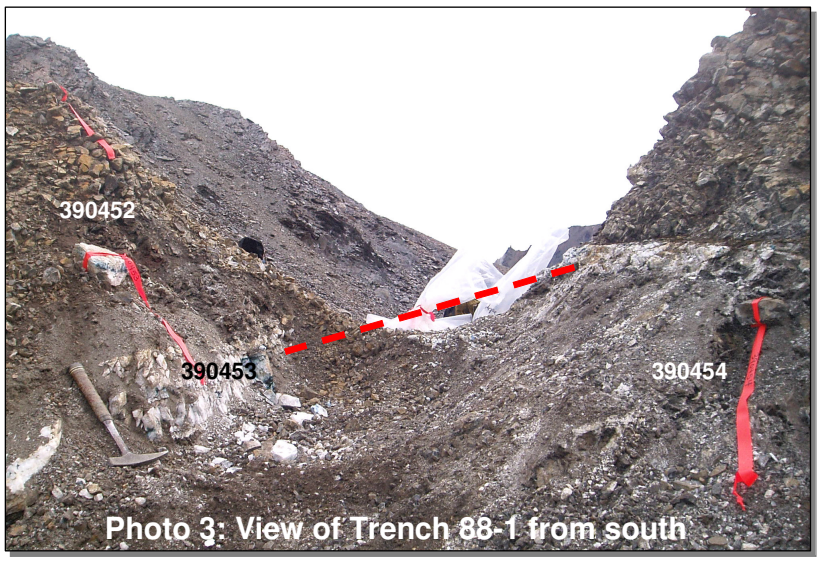


Photo 3: View of Trench 88-1 from south

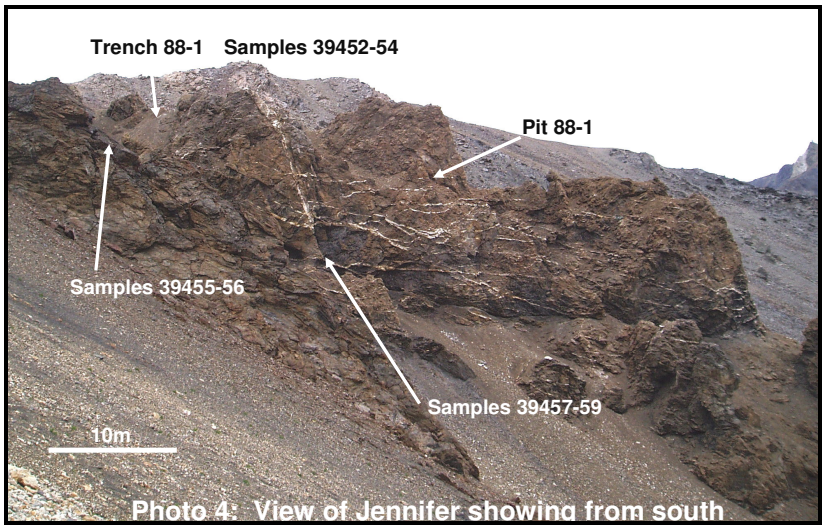


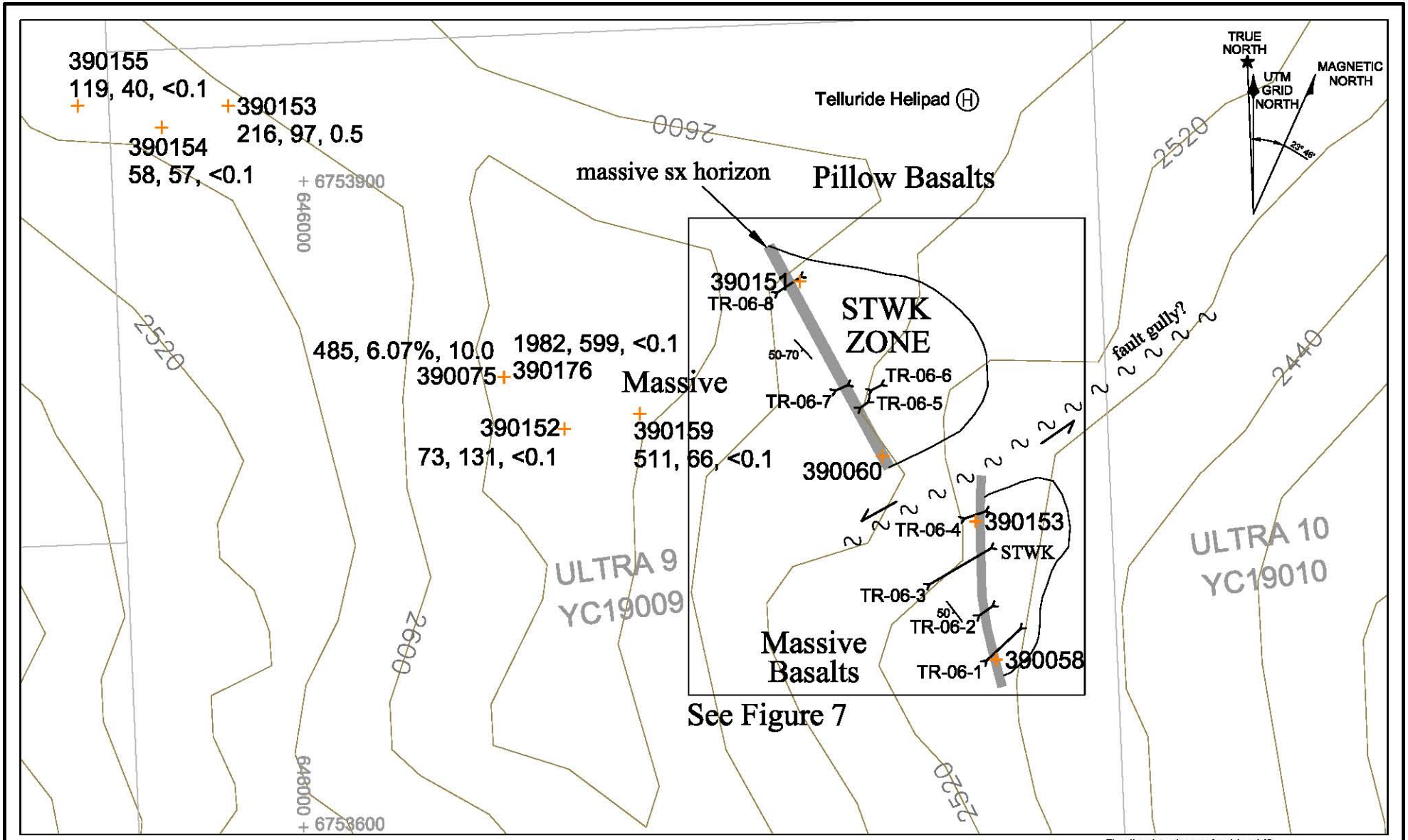
Photo 4: View of Jennifer showing from south

The zinc showing 1km north of the Jennifer showing, previously explored by Trench 89-1 and Pit 89-1 returned 1.94% Zn, 0.05% Cu and 18.6 g/t Ag over 2m (sample 390149), approximately 20m north of Trench 89-1, along trend. Chip samples Trench 89-1 along 3.5m in Trench 89-1 returned maximum values of 0.026 % Cu, 0.57% Zn, 0.11% Ni (samples 390041-43). Sample 390043 was quite oxidized, and fresh samples may yield better Zn values, but sample 390149, 20m to the north, is quite representative of the mineralization and does not contain notable values of base or precious metals over meaningful widths. It is interesting that Trench 89-1 returned anomalous nickel values. A gabbro sill occurs to the north of this showing.

Photo 5: View of Trench 89-1 from north

TABLE 9: Trench locations and result summary, Jennifer area

Trench No.	Nad 83, Northing	Zone 10 Easting	Sample No.	Year	Result Summary
Tr 88-1	6755437	642576	19873A	1988	11% Cu, 1.5% Zn, 631 g/t Ag
			R284390	1988	1.55 % Cu, 0.24% Zn,144 g/t Ag /0.5m
			281352	2005	10.3 % Cu, 1.7% Zn,626 g/t Ag
			390453	2006	1.0 % Cu, 98 g/t Ag over 0.6m
Pit 88-1	6755375	642625	R284378	1988	16% Cu, 2.4% Zn, 751 g/t Ag
near Pit 88-1	6755369	642625	281396	2005	2.6 % Cu, 0.69% Zn,110 g/t Ag
Tr 89-1	6756262	643338	19872A	1989	8.0% Zn –grab sample
			390041-3	2006	max: 0.026 % Cu, 0.57% Zn, 0.11% Ni
Pit 89-1	6756287	643291	390148	1989	0.14% Zn
N of Tr 89-1	6756308	643330	390149	2006	1.94% Zn, 0.05% Cu and 18.6 g/t Ag /2m
Pit 89-2	6755115	642000	R284379	1989	0.73 % Cu, 7.1 g/t Ag



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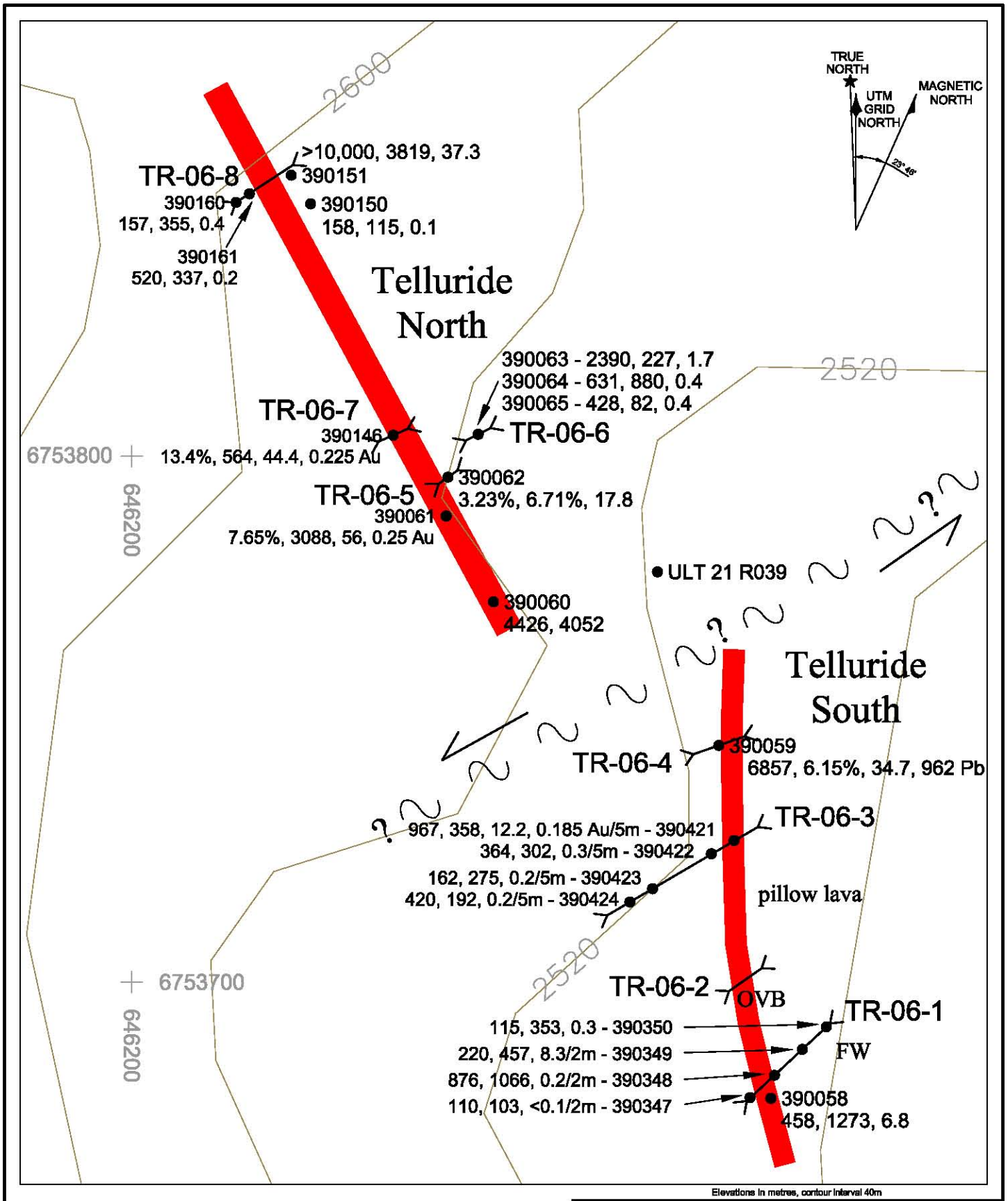
ULTRA Project
Telluride Showing

SCALE: 1 : 2,500	UTM NAD 83, ZONE 7	DATE: JANUARY 16, 2007
NTS: 115 B/16		FIGURE 6



Elevations in metres, contour interval 40m

massive sulphide horizon

• 390063
2390, 227. 1.7
2006 rock sample
Cu, Zn, Ag ± Pb, Au
in ppm unless noted

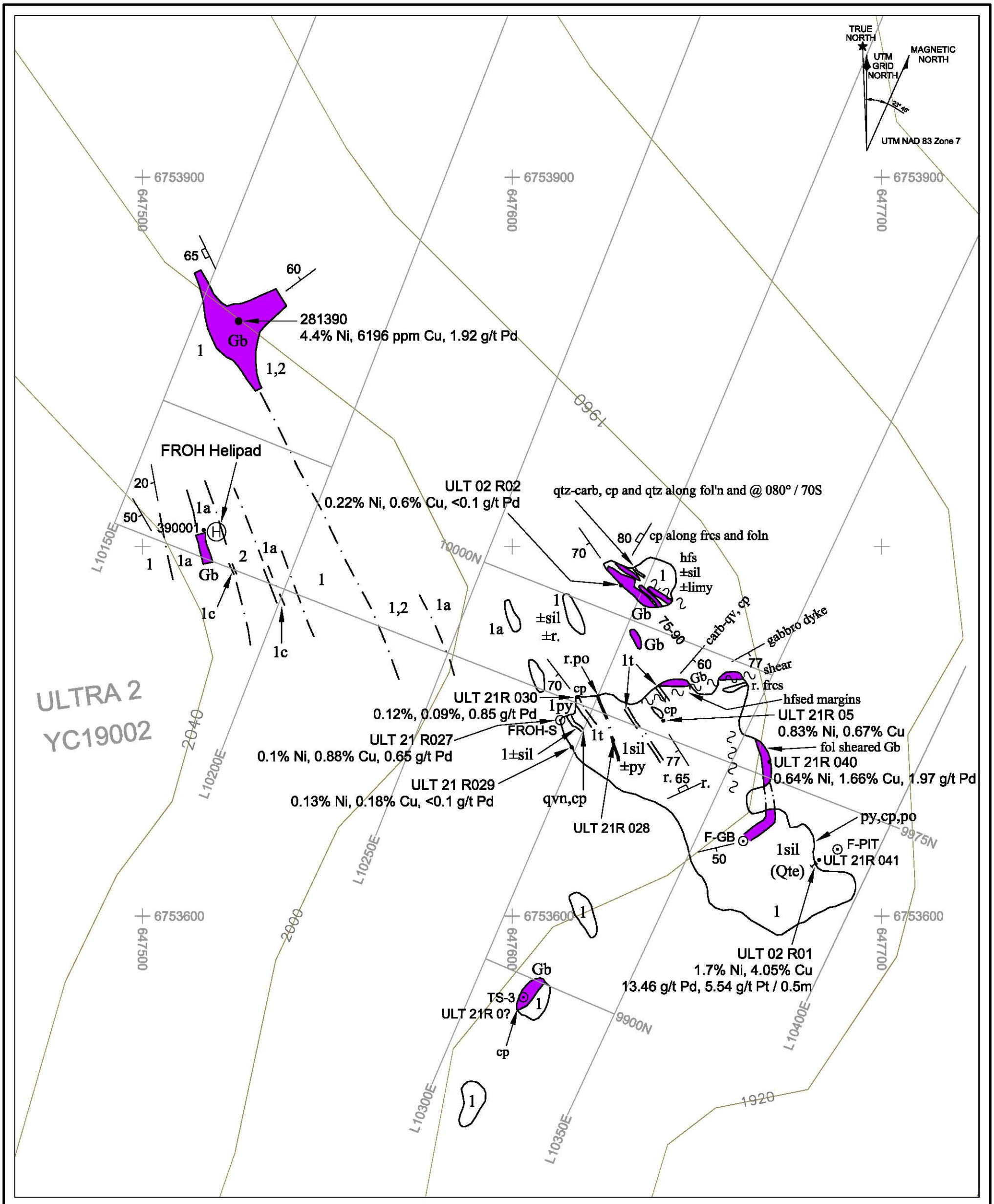
OVB overburden

KLONDIKE STAR MINERAL CORP.

ULTRA Project
Detail of Telluride Showing

0 10 20 30 40 50m

SCALE: 1 : 1,000	UTM NAD 83, ZONE 7	DATE: JANUARY 16, 2007
NTS: 115 B/16		FIGURE 7



LEGEND

Gb: gabbro Results: Ni%, Cu%, Pd g/t

2. volcanics

1. sediments
- **1t tuffaceous beds**
- **1a argillite**
- **1c chert**
- **1sil silicified fine tuffaceous beds (previously mapped as quartzite)**

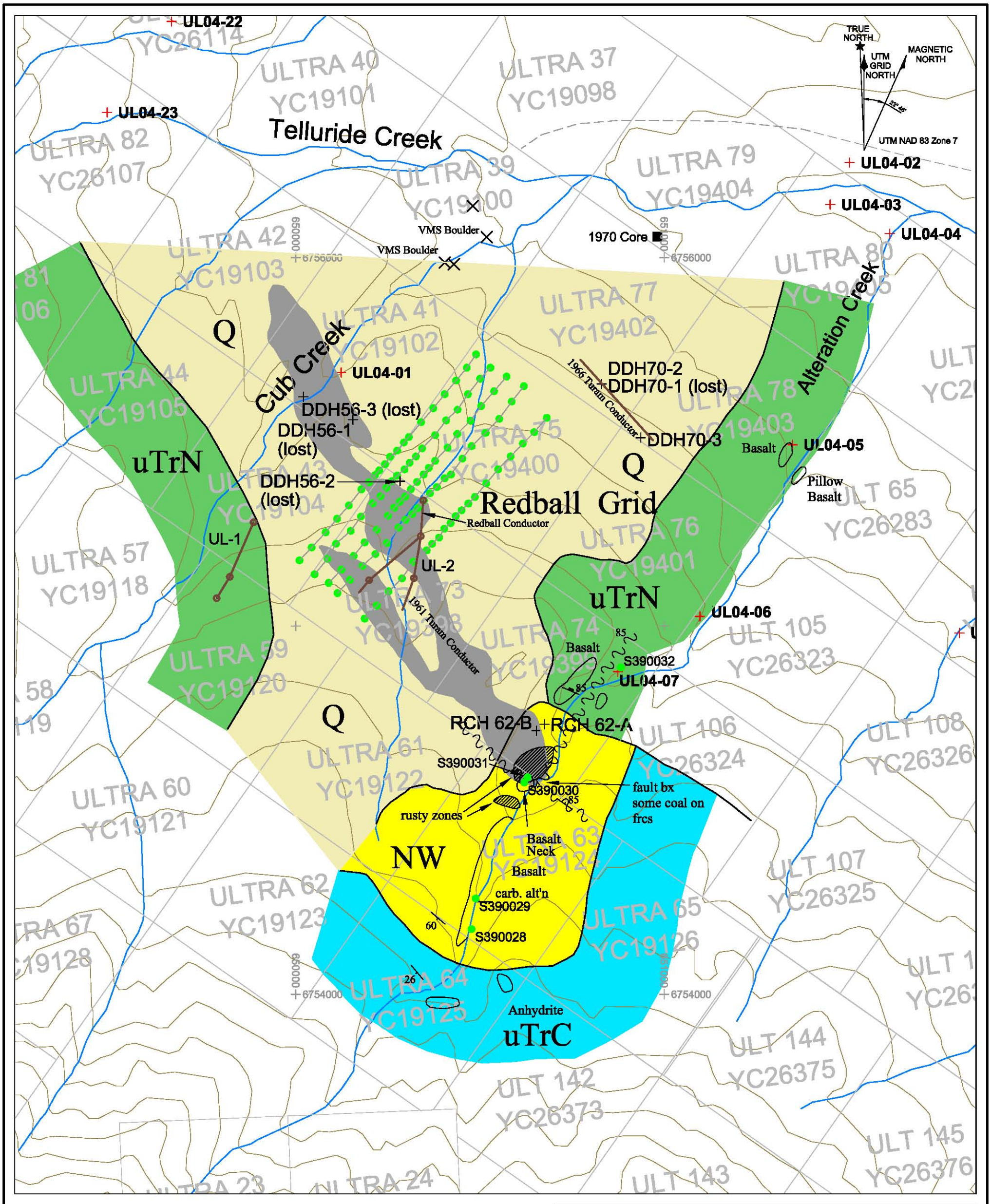
⊙ F-PIT **GPS station**

KLONDIKE STAR MINERAL CORP.

ULTRA Project
Detail of Frohberg Showing

0 10 20 30 40 50m

SCALE: 1:1000	NTS: 115 B/16 UTM NAD 83, ZONE 7
DATE: JANUARY 13, 2007	FIGURE 8



LEGEND

Quaternary
Q sand and gravel

Tertiary
NW Wrangell lavas, mafic - felsic volcs.

Triassic
uTrN Nicolai Group — basalt to andesite

uTrC Chitistone Fm — limestone, argillite, gypsum, anhydrite

UL-1 — 2005 geophysical conductor

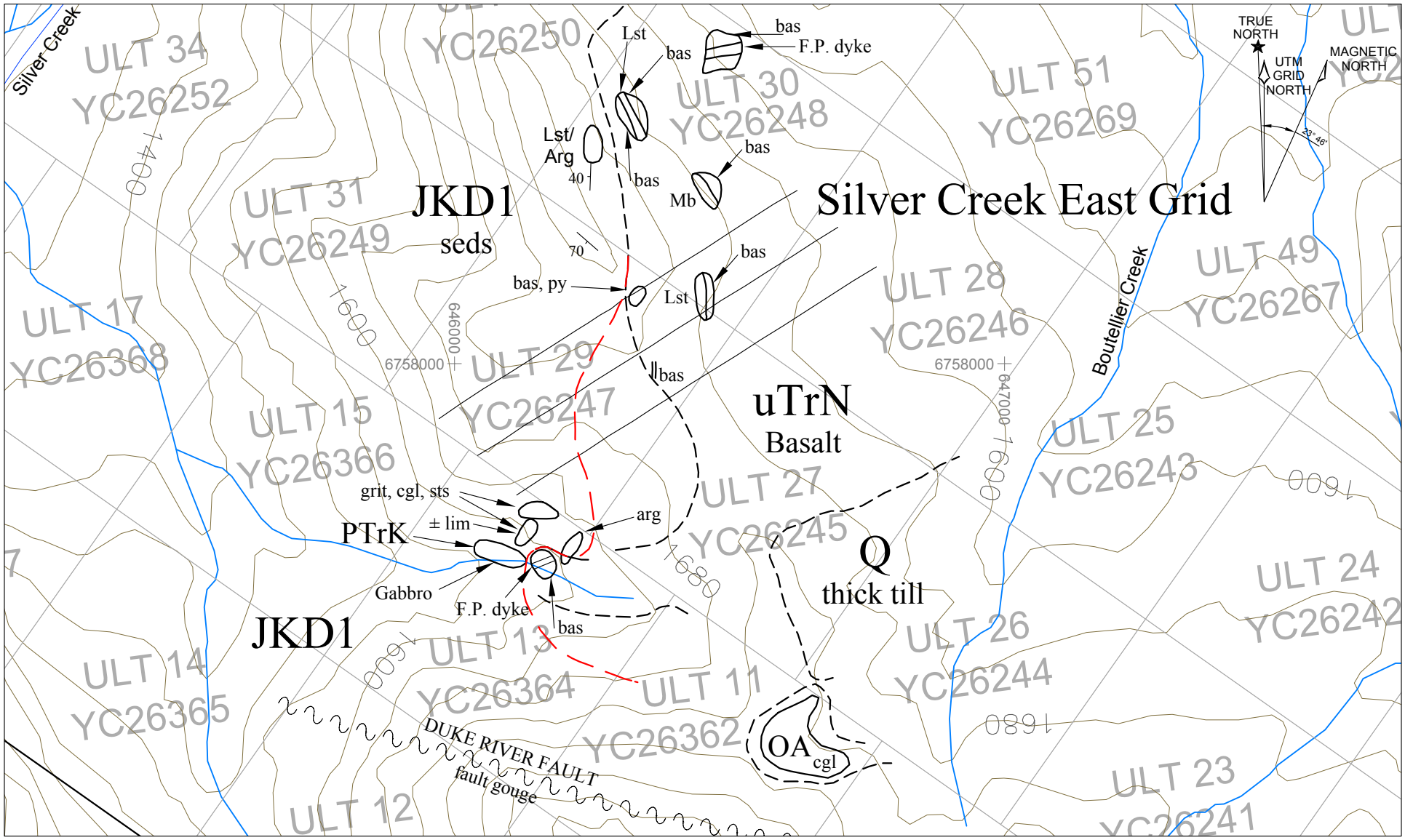
S390028 - 2006 soil sample

KLONDIKE STAR MINERAL CORP.

ULTRA Project
Detail of Redball Showing

0 100 200 300 400 500m

SCALE: 1:10000	NTS: 115 B/16 UTM NAD 83, ZONE 7
DATE: JANUARY 13, 2007	FIGURE 9



Elevations in metres, contour interval 40m

LEGEND

Quaternary Q: sand and gravel

Paleocene to Ogligocene OA: Amphitheatre - yellow-buff to grey-buff sandstone, pebbly sandstone, polymictic conglomerate, siltstone, mudstone

Upper Jurassic to Lower Cretaceous JKD: Dezadeash - 1. interbedded light to dark buff-grey lithic greywacke, sandstone, siltstone, thin dark grey shale, argillite, phyllite and conglomerate; rare tuff

Triassic uTrN: Nicolai Group - basalt to andesite, minor lst

Late Triassic and (?) older PTrK: Kluane Ultramafic Suite - gabbro

F.P.	feldspar porphyry
Arg	argillite
Sts	siltstone
Cgl	conglomerate
Lst	limestone
Mb	marble
Bas	basalt
Lim	limonite

— — contact based on MMI data

0 100 200 300 400 500m

KLONDIKE STAR MINERAL CORP.

ULTRA Project
Detail of Silver Creek East Area

SCALE: 1 : 10,000	UTM NAD 83, ZONE 7	DATE: JANUARY 16, 2007
NTS: 115 B/16		FIGURE 10

10.2.3 Mineralization associated with mafic-ultramafic bodies

An ultramafic body, 2 km southeast of the Frohberg returned 1526 ppm Ni, but with no associated gold (Sample 390420). Previous sampling from this body returned values up to 665 ppm Cu and 1500 ppm Ni but with no anomalous gold or PGE values *(Eaton, 1988a)*.

No significant nickel-copper-PGE values were found associated with the gabbroic dykes and sills in the Kul area. The minor skarn mineralization noted in the limestone peripheral to gabbroic dykes in this area was also not significantly anomalous with maximum values of 2817 ppm Zn, 51.6 ppm Ag (Sample 390128). The copper±zinc±lead±silver polymetallic veins west of this area returned maximum values of 3573 ppm Cu, 493 ppm Zn, 405 ppm Pb, 51.6 ppm Ag and 142 ppb Au over narrow widths (Samples 390116, 22).

10.2.4 Other mineralization

A sample of rusty, pyritic argillite with possible malachite returned 5368.7 ppm Cu (Sample 390113) from ULT 207 in an area of Devonian to Triassic volcanic rocks of the Icefield Group (DTrI) with pyritic laminations. Other sampling of the pyrite rich horizons within the mafic volcanic rocks in this area did not return significant results. Soils from the pyritic zones returned maximum values of 208 ppm Cu and 283 ppm Zn (Sample 390020). Samples were not considered significantly anomalous since they were collected from the C horizon.

Similar pyritic zones (Sample 390055) and malachite stained basalt (Sample 390013) of the Icefield Group were sampled 4 km to the southeast, returning values of 7125 ppm and 1884 ppm Cu, respectively. Lead isotope studies on sample 390055 indicate a young age of formation suggesting that the mineralization may be fault related or remobilized *(Appendix VI)*. This is consistent with the extensive faulting noted in the area and the occurrence of the pyrite along contacts.

10.2.5 MMI results

10.2.4.1 Redball Grid (Figures 11 to 19)

The MMI sampling on the Redball Grid was completed on lines 100N, 101N, 101+50N, 102N and 102+50N from 96E to 103+50E. Sample locations are plotted on Figure 11 and response ratio results for Ba, Cd, Co, Cu, Fe, Mo, Pb and Zn on Figures 12 to 19. The Redball airborne geophysical conductor occurs at L100N/9975E.

The best correlations between elements occur between Co, Mo, Ba and to a lower degree, Cu. Multi-element anomalies occur just to the south. One Cu-Cd-Co-Pb-(Ba)-(Zn) anomaly is centred at L100N/9850E at sample location 390285 and lies within the 1961 Turam conductor. Another multi-element anomaly lies at the southern edge of the 1961 Turam conductor at 10150N/9750E at sample location 390279 and includes Cu-Cd-Co-Pb-Ba-(Mo). This latter location would make a favourable drill set up if the Boulder showing was considered to have a source other than the Telluride showing. A

vertical hole at this location and a -45º hole directed towards the L100N/9850E anomaly at about 065º would be a good test of the Redball Zone.

Another high Cu-Cd-Co-Mo-Fe-Zn±Ba±(Pb) multi-element anomaly occurs in the northeastern grid area but is less distinct. A Cu-Mo-Fe-Zn(Cd)-(Co) anomaly occurs centred at L10250N/100E at the northwest edge of the grid.

10.2.4.2 Lake Grid (Figures 20 to 28)

The MMI sampling on the Lake Grid was completed on lines 91N, 92N and 93N from 96E to 102+50E. Sample locations are plotted on Figure 20 and response ratio results for Ba, Cd, Co, Cu, Fe, Mo, Pb and Zn on Figures 21 to 28.

The Lake Grid covers a till covered area with geophysical anomalies that could be the source of the boulders from the Boulder showing with late reverse movement of the Shakwak Ice Sheet. The geophysical anomalies are consistent with the VMS model (*Hildes, 2006)*. However the Denali Fault is thought to transect the Lake grid area and would also be consistent with the anomalies obtained.

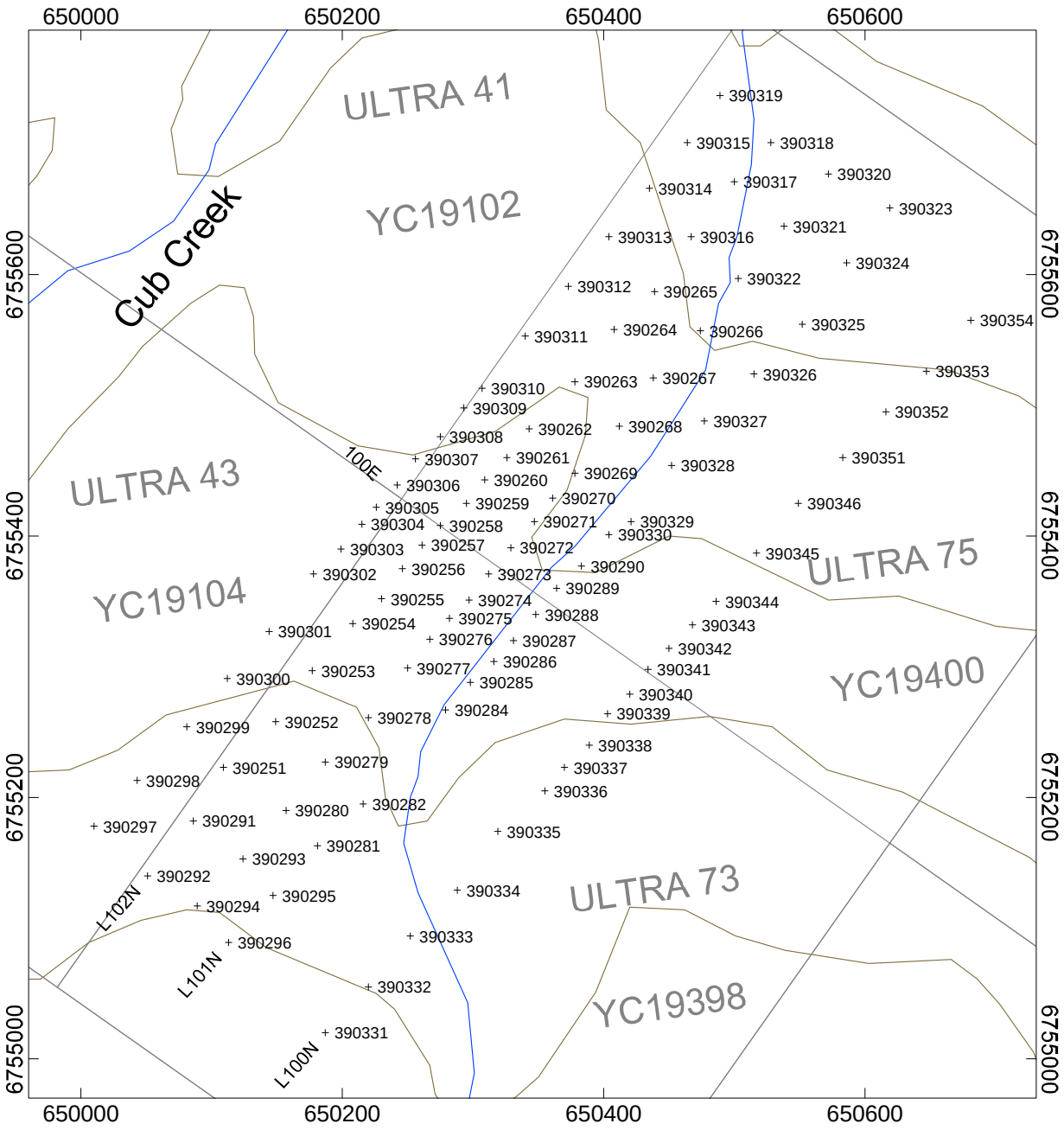
A high Cu-Fe-Mo-Ba anomaly occurs in the northeastern grid area and in the central area of L91N and L92N (including sample locations 390380-84). A broad Cd anomaly with some coincident Zn occurs through the northern two-thirds of the grid. The lack of exposure in this area and limited number of samples makes interpretation difficult, but is also consistent with the presence of the Denali Fault.

10.2.4.3 Silver Creek Grid (Figures 29 to 37)

The MMI sampling on the Silver Creek Grid was completed on three 750m long lines. Sample locations are plotted on Figure 29 and response ratio results for Ba, Cd, Co, Cu, Fe, Mo, Pb and Zn on Figures 30 to 37.

The contact between the Triassic basalt unit (**uTrN**) and the Jura-Cretaceous sedimentary rocks (**JKD1**) would be modified by the MMI data approximately 100m to the west. A Cu-(Fe)-(Mo) anomaly occurs in the northeast grid area with a Pb-Zn-Ba-Co anomaly generally along the limestone unit within the basaltic rocks. A Mo-Co-(Fe) anomaly +Cu-Cd occurs along the possible basalt/sedimentary unit contact.

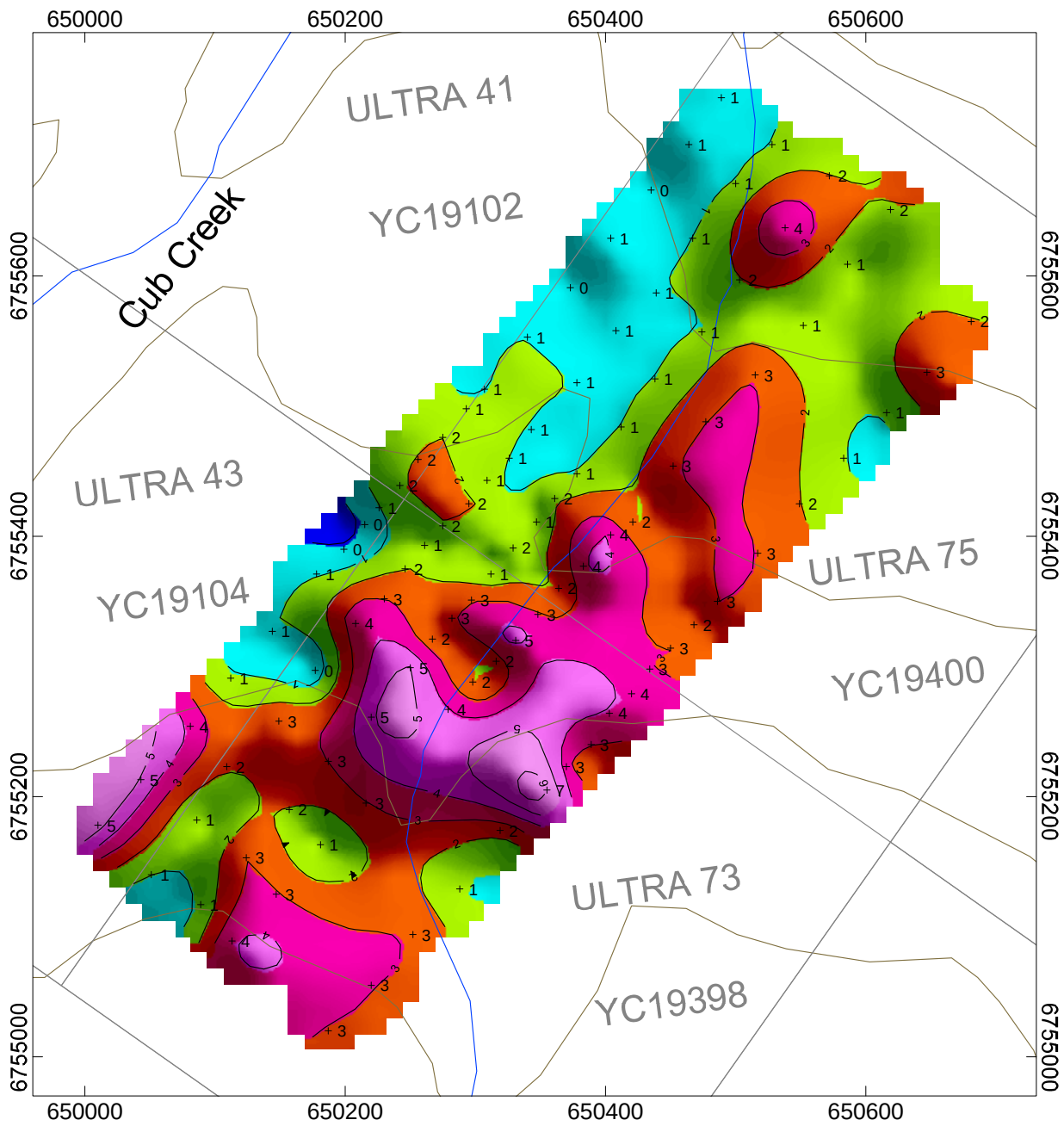
Due to varying rock types and limited number of samples, a specific target cannot be identified.



Klondike Star Mineral Corp.

Ultra Project
Redball Grid MMI 2006
Sample Locations

Figure 11
December 30, 2006



Scale 1:5000

50 0 50 100

(meters)

NAD83 / UTM zone 7N

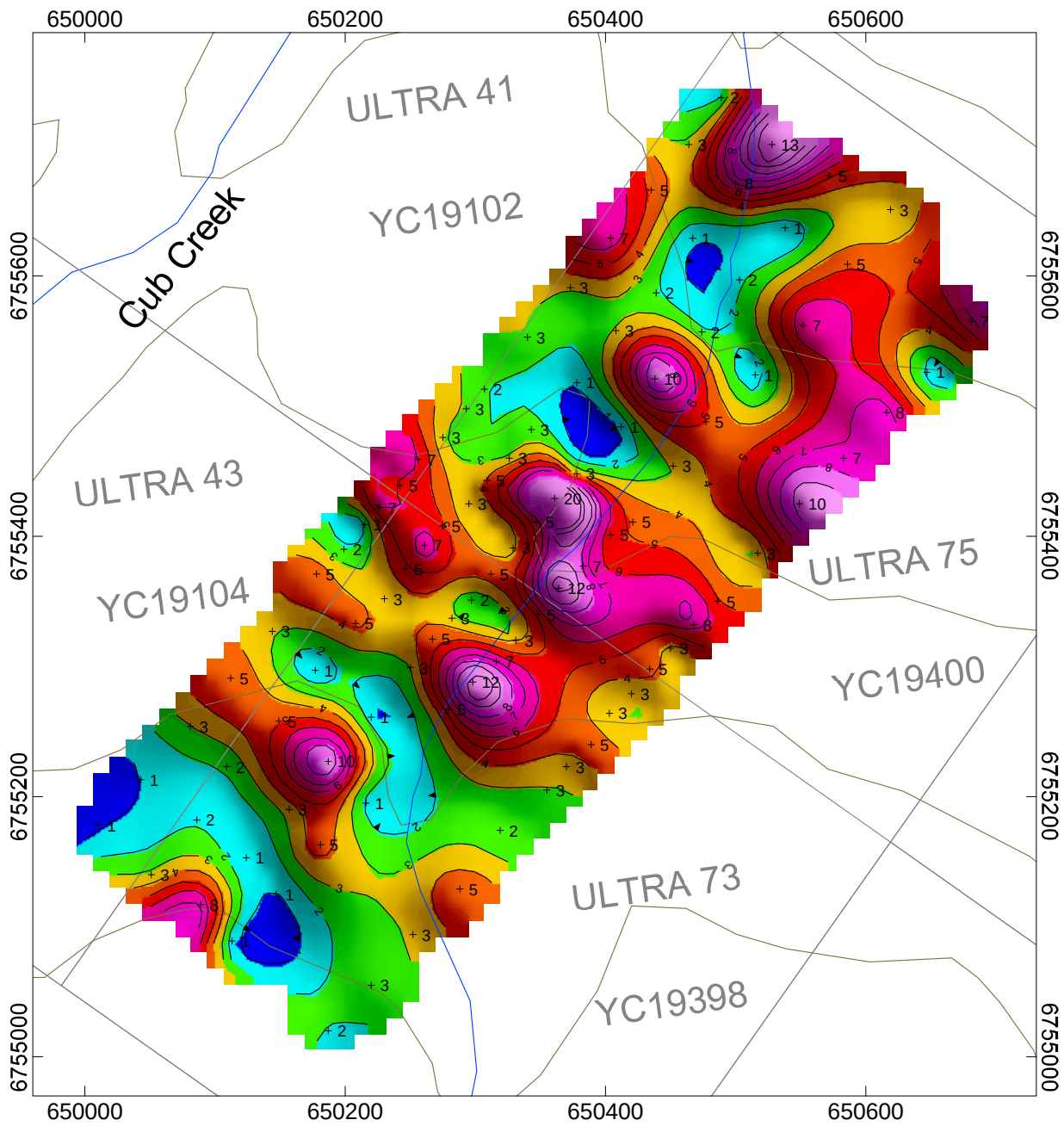
5
4
3
2
1
0

RR-Ba

Klondike Star Mineral Corp.

Ultra Project
Redball Grid 2006
MMI Response Ratio - Ba

Figure 12
December 30, 2006

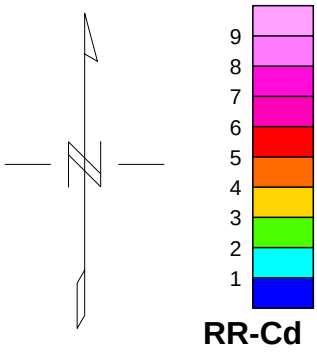


Scale 1:5000

50 0 50 100

(meters)

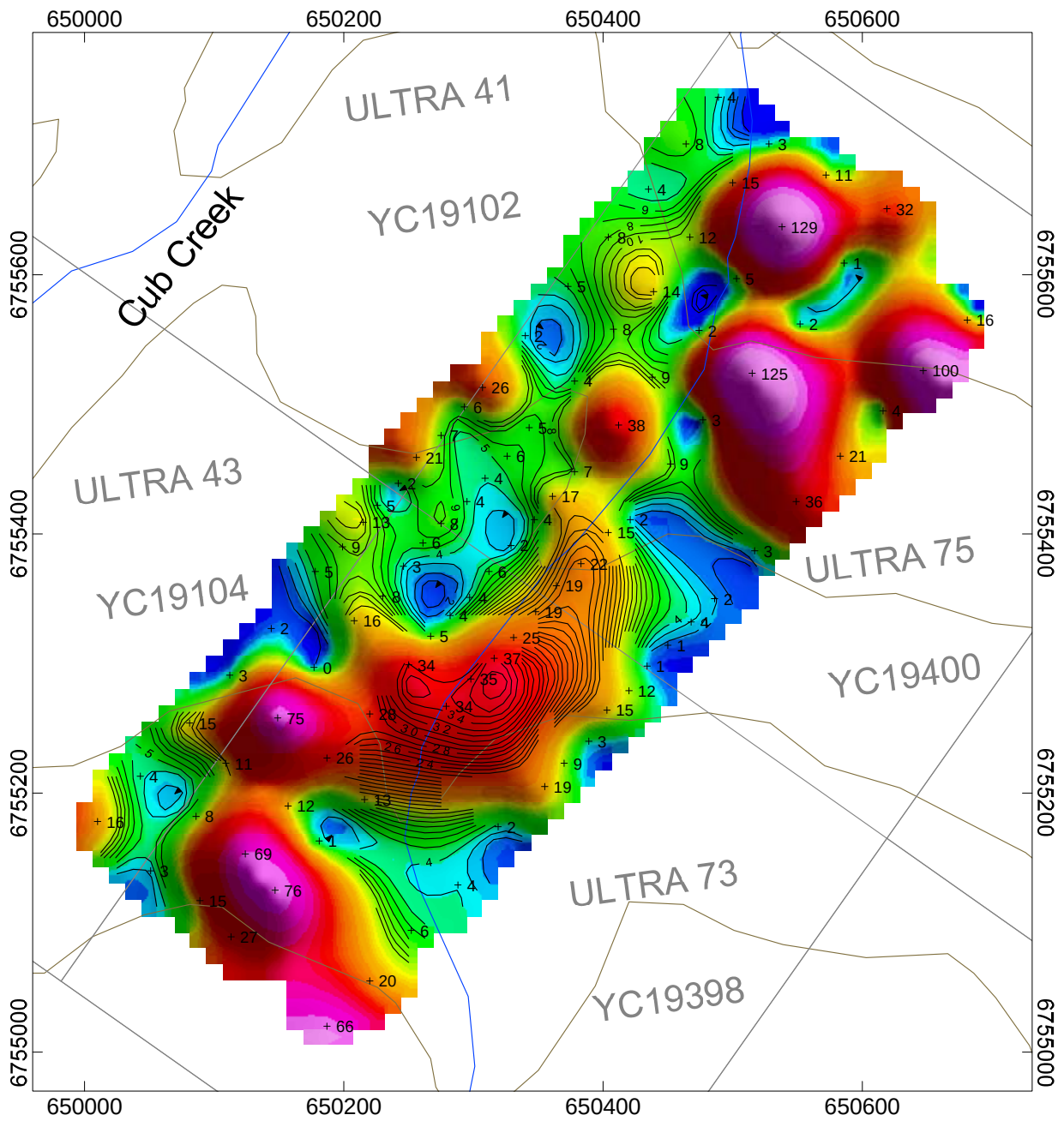
NAD83 / UTM zone 7N



Klondike Star Mineral Corp.

Ultra Project
Redball Grid 2006
MMI Response Ratio - Cd

Figure 13
December 30, 2006



RR-Co

0 1 2 3 4 5 6 7 8 9 10 12 14 16 19 22 26 30 35 44 63

Scale 1:5000

50 0 50 100

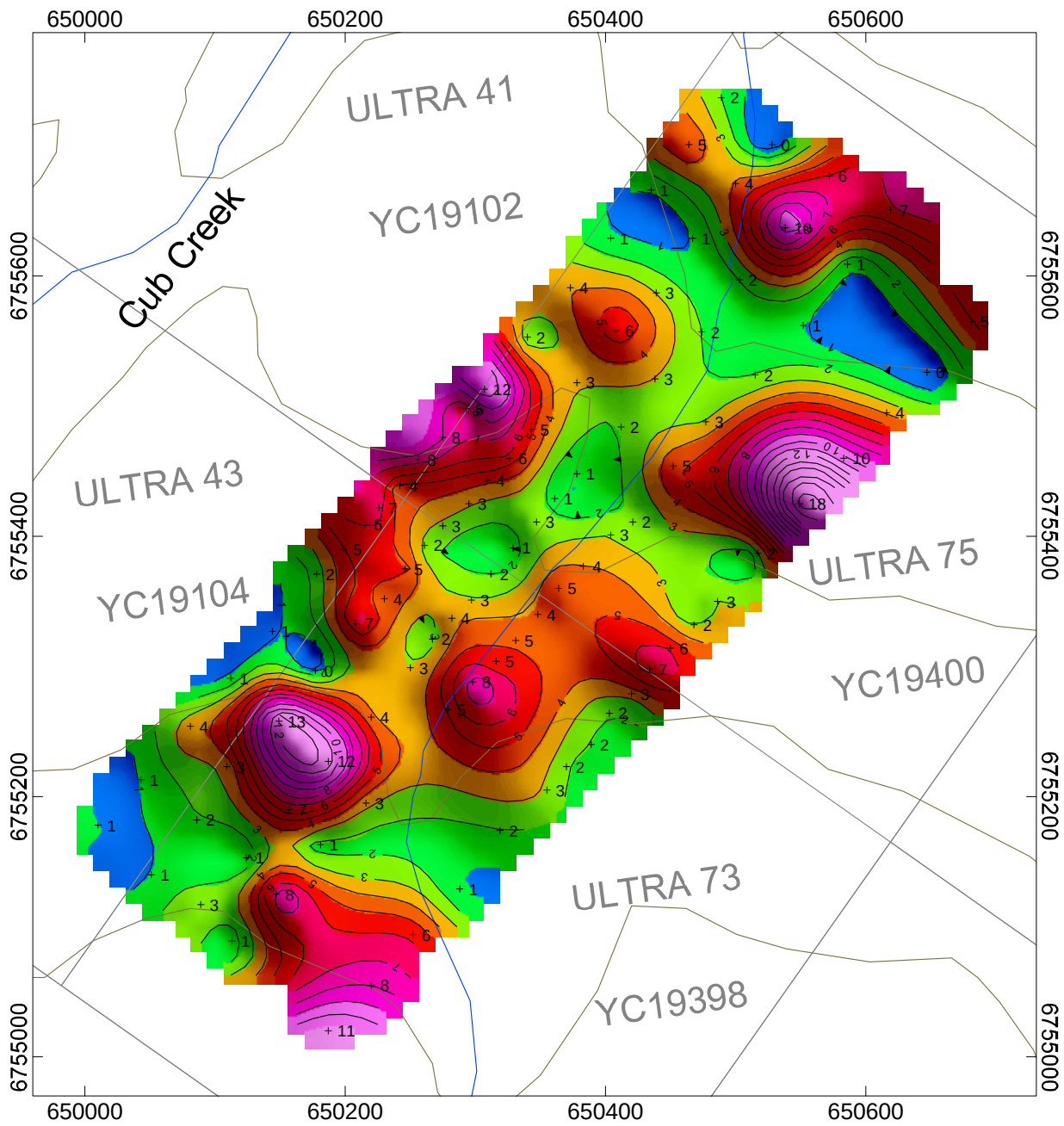
(meters)

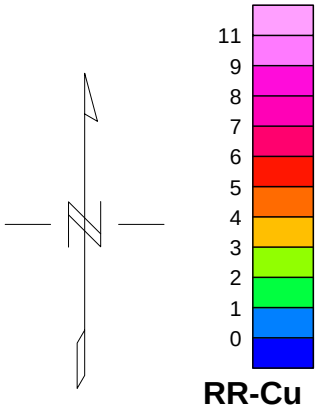
NAD83 / UTM zone 7N

Klondike Star Mineral Corp.

Ultra Project
Redball Grid 2006
MMI Response Ratio - Co

Figure 14
December 30, 2006





Scale 1:5000

50 0 50 100

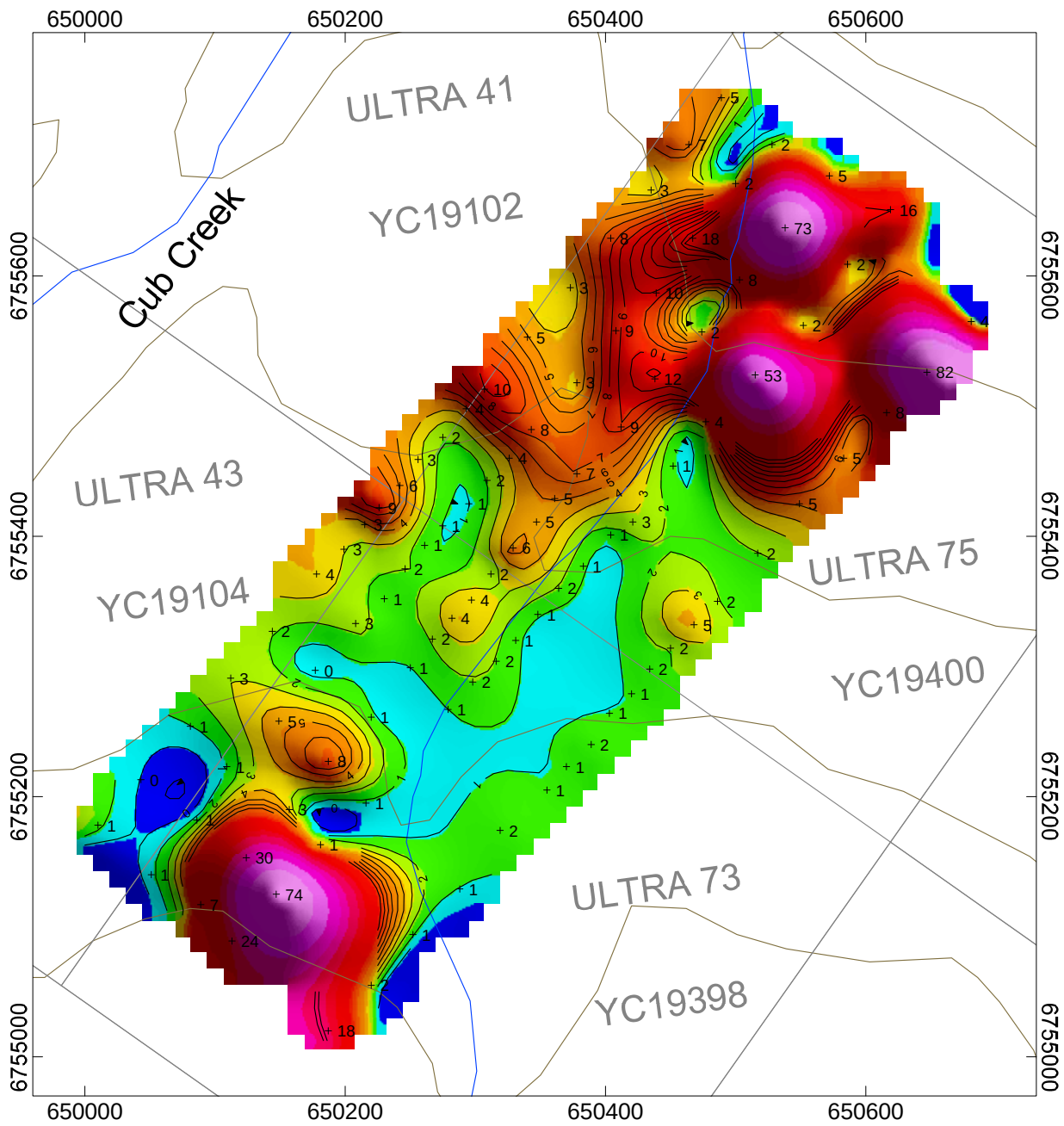
(meters)

NAD83 / UTM zone 7N

Klondike Star Mineral Corp.

Ultra Project
Redball Grid 2006
MMI Response Ratio - Cu

Figure 15
December 30, 2006



Scale 1:5000

50 0 50 100

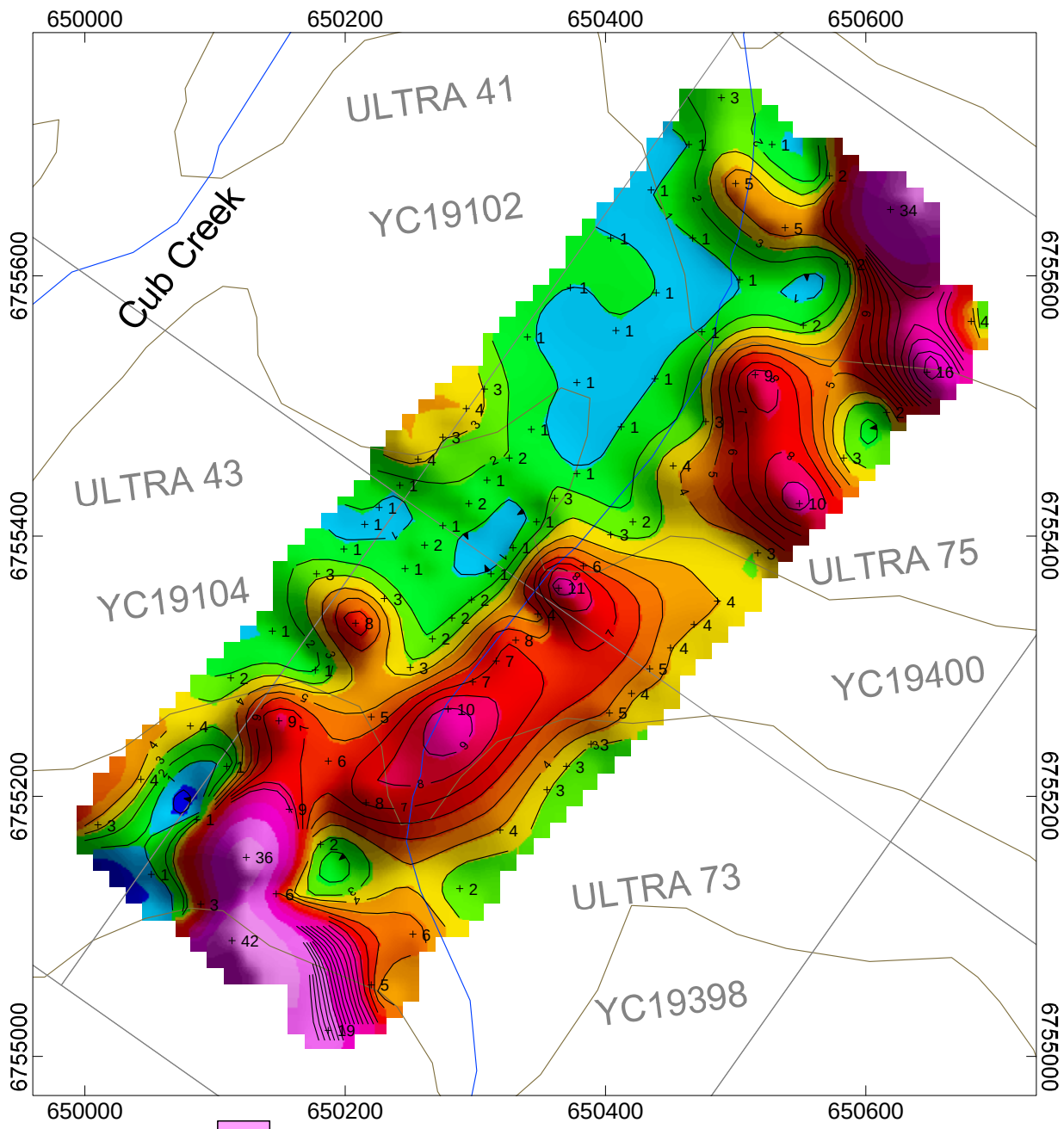
(meters)

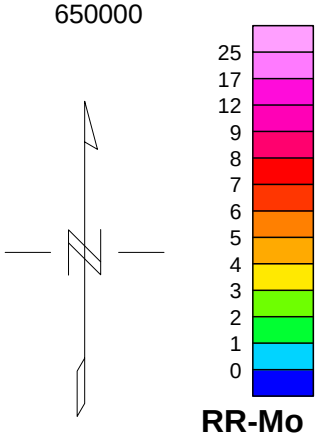
NAD83 / UTM zone 7N

Klondike Star Mineral Corp.

Ultra Project
Redball Grid 2006
MMI Response Ratio - Fe

Figure 16
December 30, 2006





Scale 1:5000

50 0 50 100

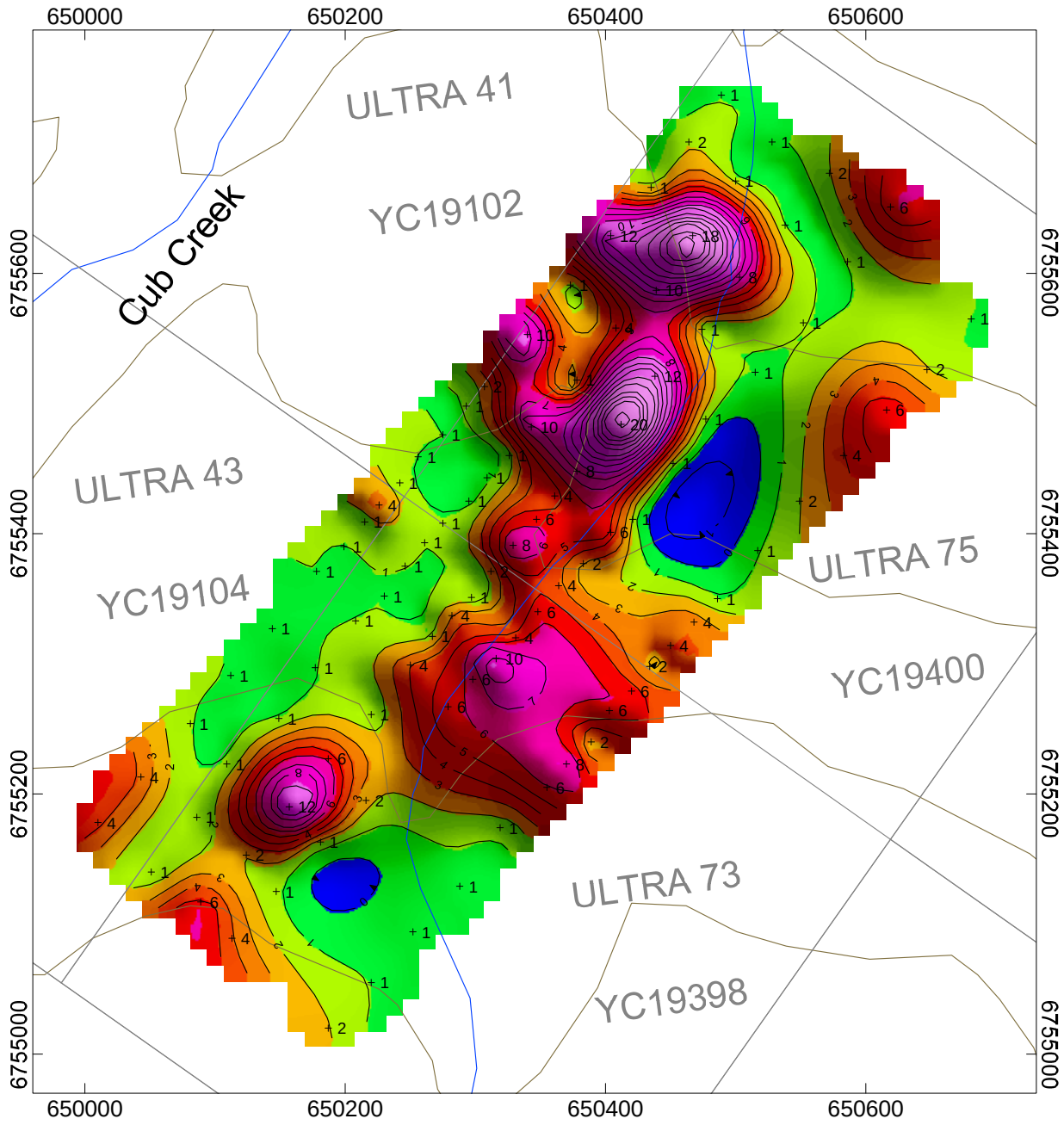
(meters)

NAD83 / UTM zone 7N

Klondike Star Mineral Corp.

Ultra Project
Redball Grid 2006
MMI Response Ratio - Mo

Figure 17
December 30, 2006



Scale 1:5000

50 0 50 100

(meters)

NAD83 / UTM zone 7N

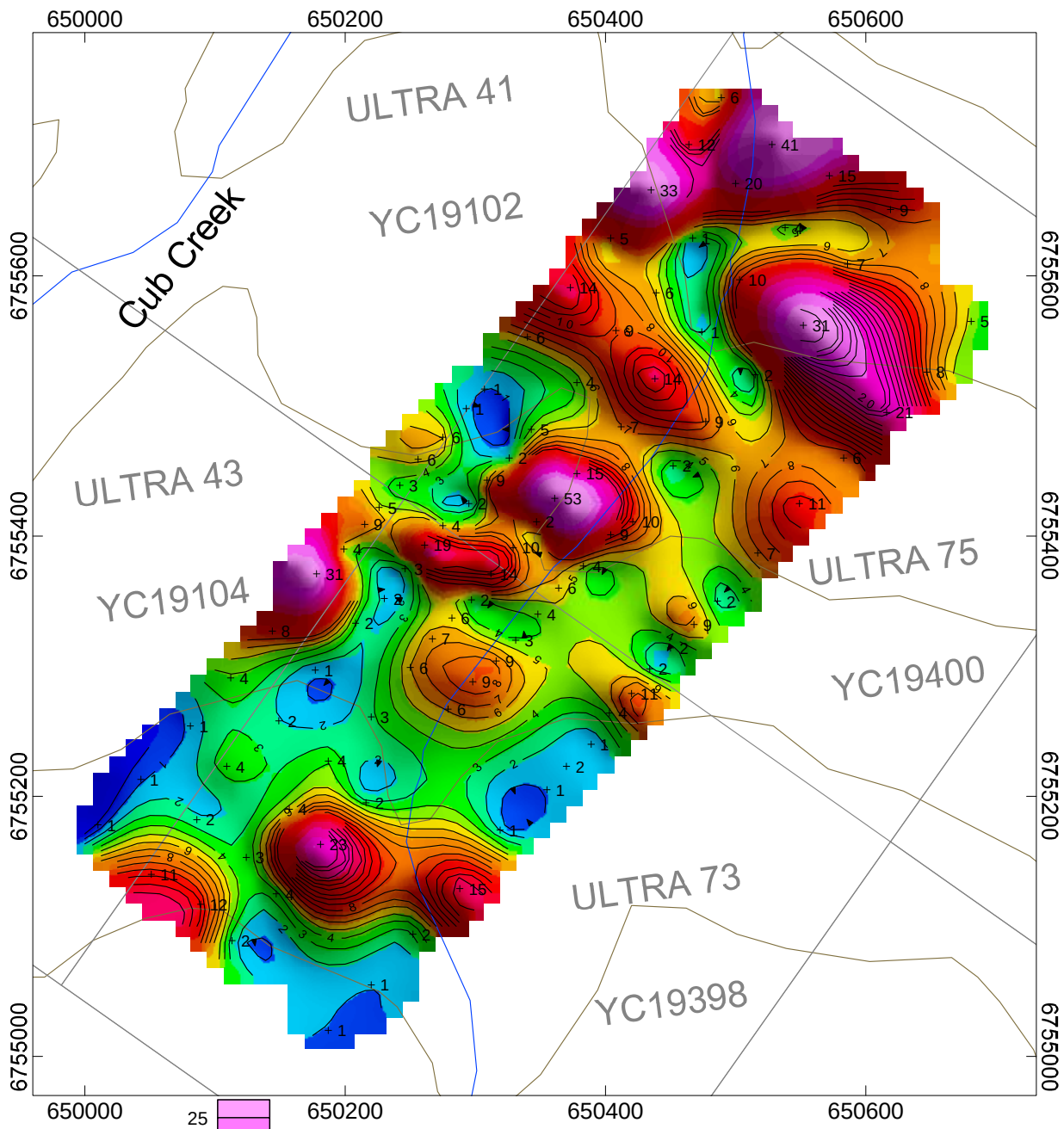
12
9
7
6
5
4
3
2
1
0

RR-Pb

Klondike Star Mineral Corp.

Ultra Project
Redball Grid 2006
MMI Response Ratio - Pb

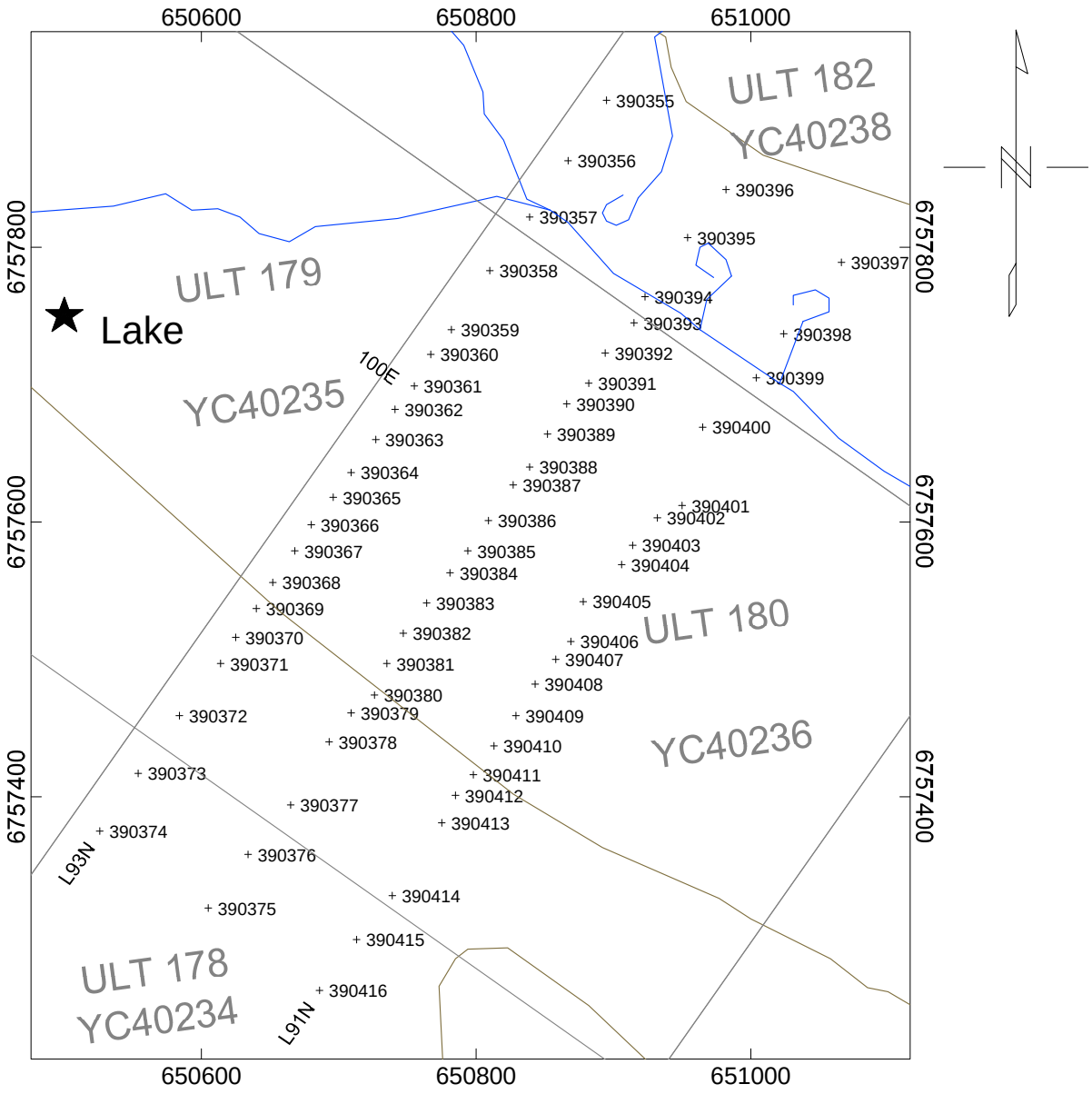
Figure 18
December 30, 2006



Klondike Star Mineral Corp.

Ultra Project
Redball Grid 2006
MMI Response Ratio - Zn

Figure 19
December 30, 2006



Scale 1:5000

50 0 50 100

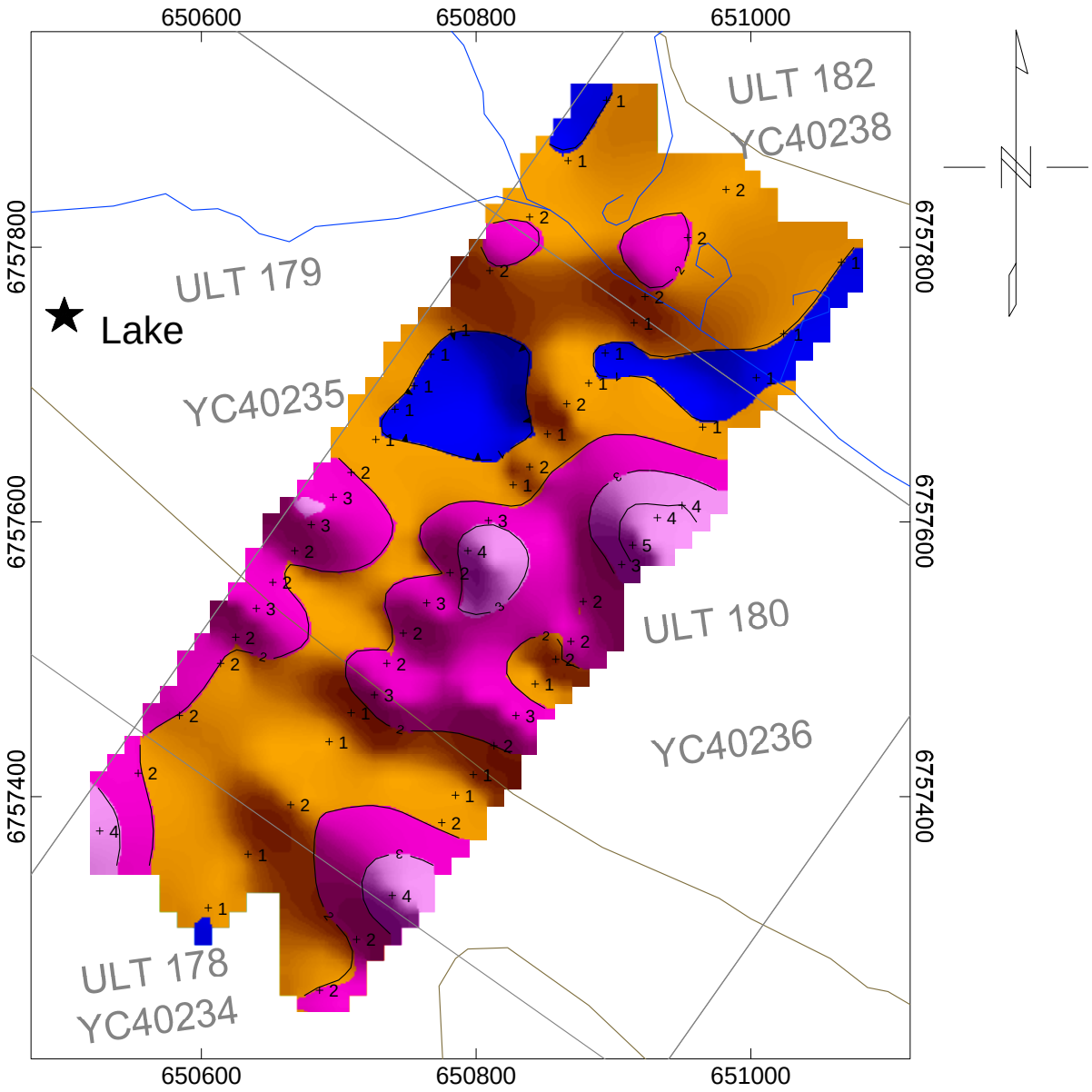
(meters)

NAD83 / UTM zone 7N

Klondike Star Mineral Corp.

Ultra Project
Lake Grid MMI 2006
Sample Locations

Figure 20
December 30, 2006



Scale 1:5000

50 0 50 100

(meters)

NAD83 / UTM zone 7N

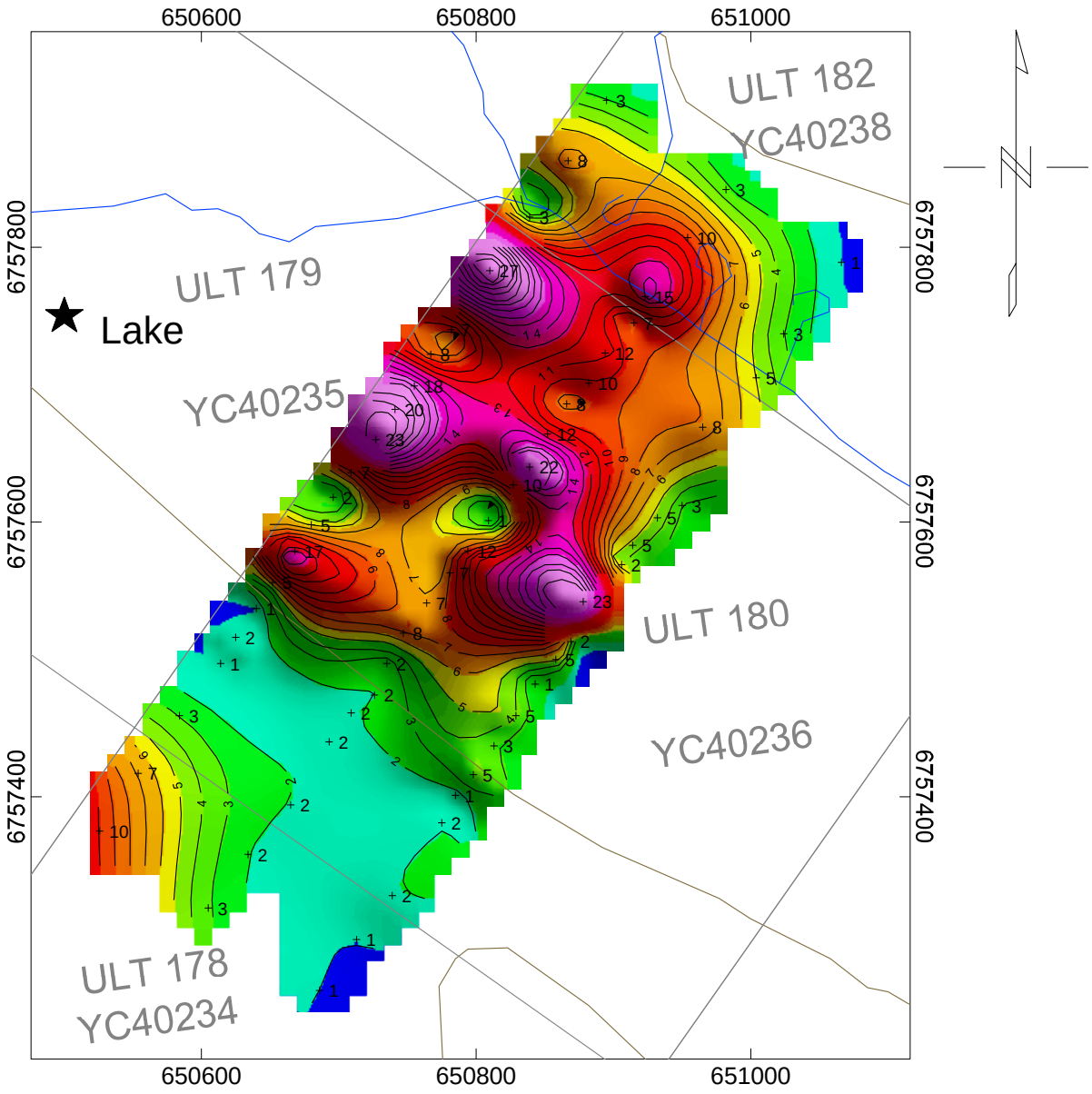
3.0
2.0
1.0

RR-Ba

Klondike Star Mineral Corp.

Ultra Project
Lake Grid 2006
MMI Response Ratio - Ba

Figure 21
December 30, 2006



RR-Cd

18.0
16.0
14.0
13.0
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0

Scale 1:5000

50 0 50 100

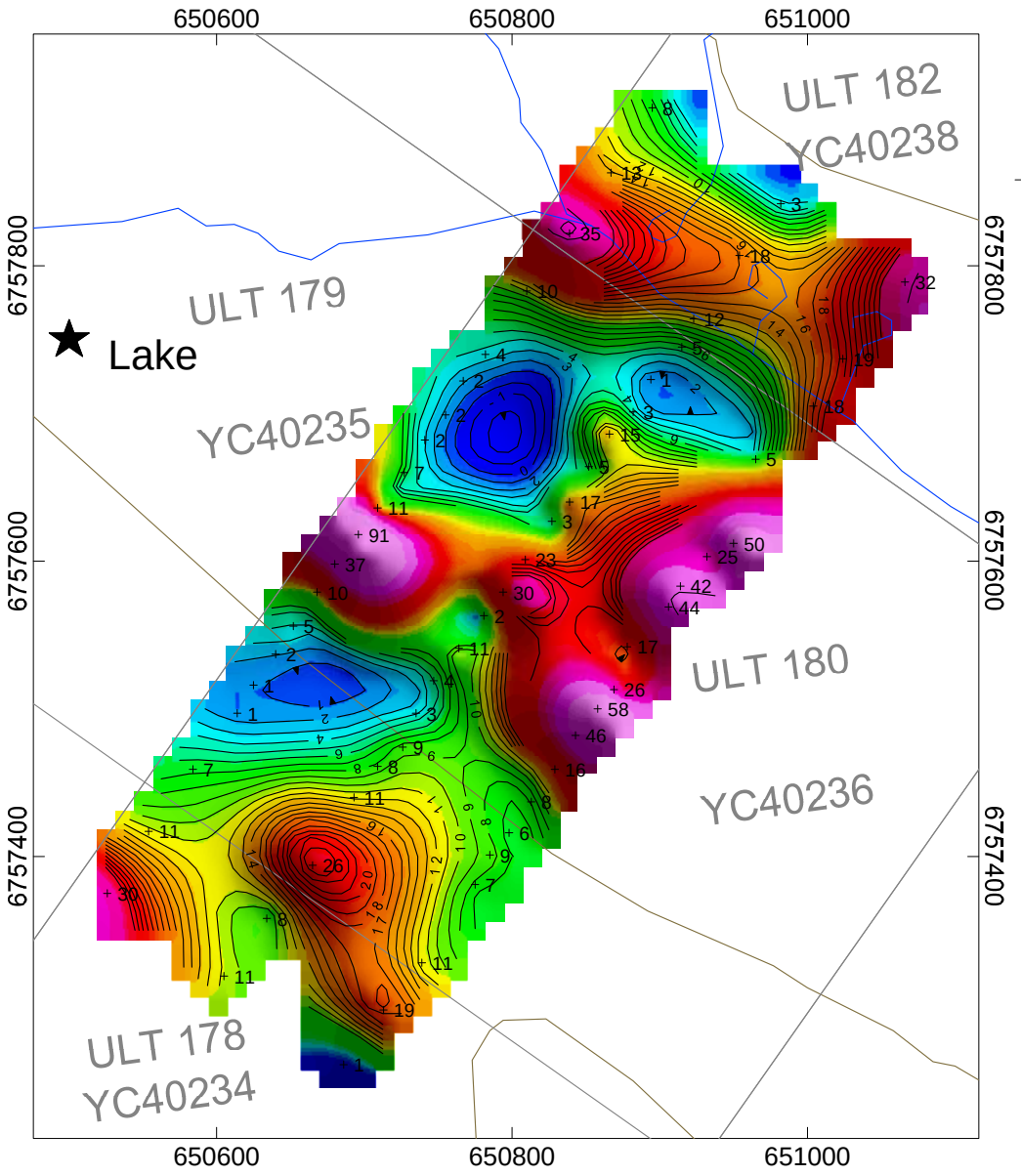
(meters)

NAD83 / UTM zone 7N

Klondike Star Mineral Corp.

Ultra Project
Lake Grid 2006
MMI Response Ratio - Cd

Figure 22
December 30, 2006



43.0
31.0
26.0
22.0
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0

RR-Co

Scale 1:5000

50 0 50 100

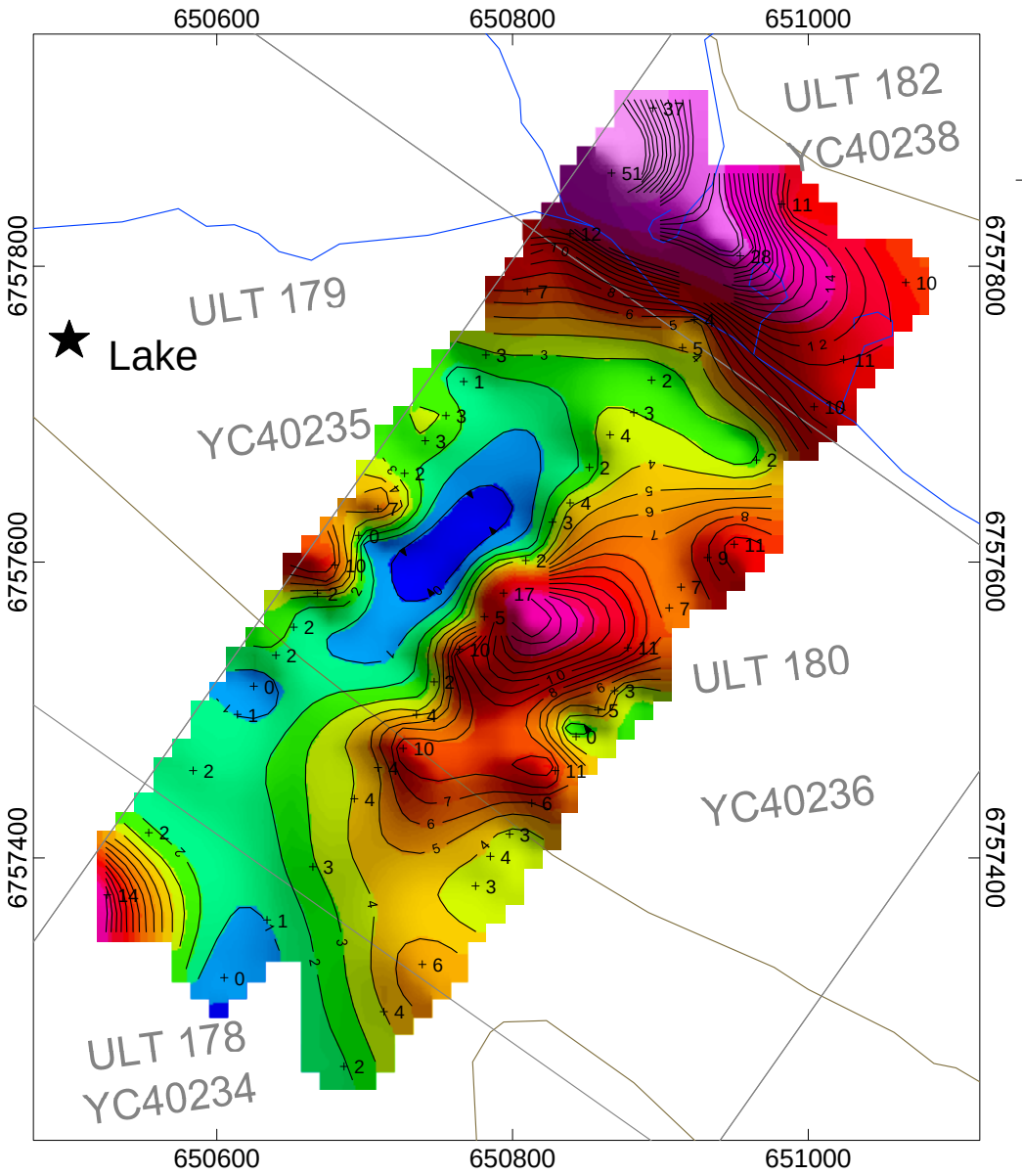
(meters)

NAD83 / UTM zone 7N

Klondike Star Mineral Corp.

Ultra Project
Lake Grid 2006
MMI Response Ratio - Co

Figure 23
December 30, 2006



35.0
25.0
18.0
14.0
13.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0

RR-Cu

Scale 1:5000

50 0 50 100

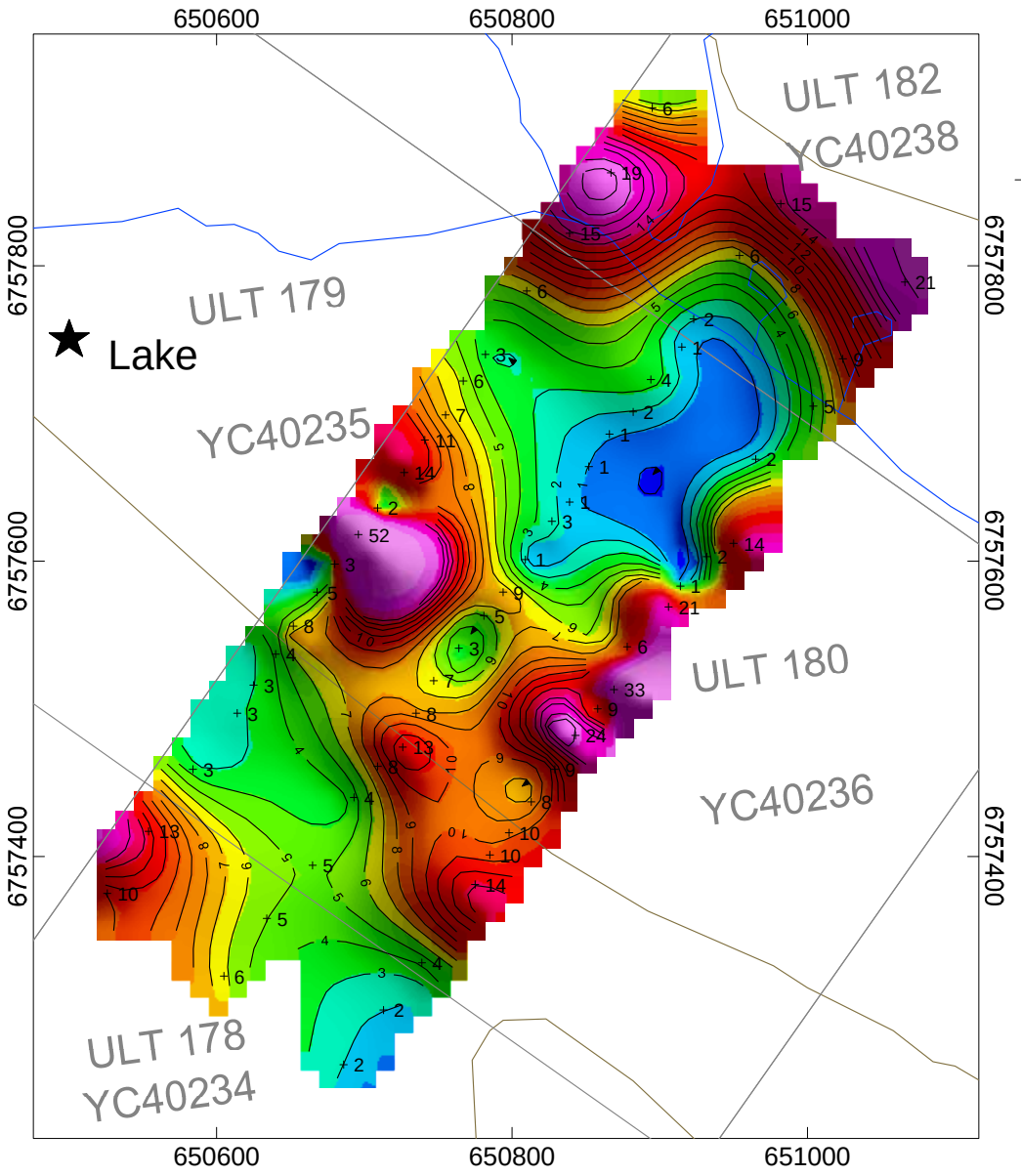
(meters)

NAD83 / UTM zone 7N

Klondike Star Mineral Corp.

Ultra Project
Lake Grid 2006
MMI Response Ratio - Cu

Figure 24
December 30, 2006



21.0
17.0
15.0
14.0
13.0
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0

RR-Fe

Scale 1:5000

50 0 50 100

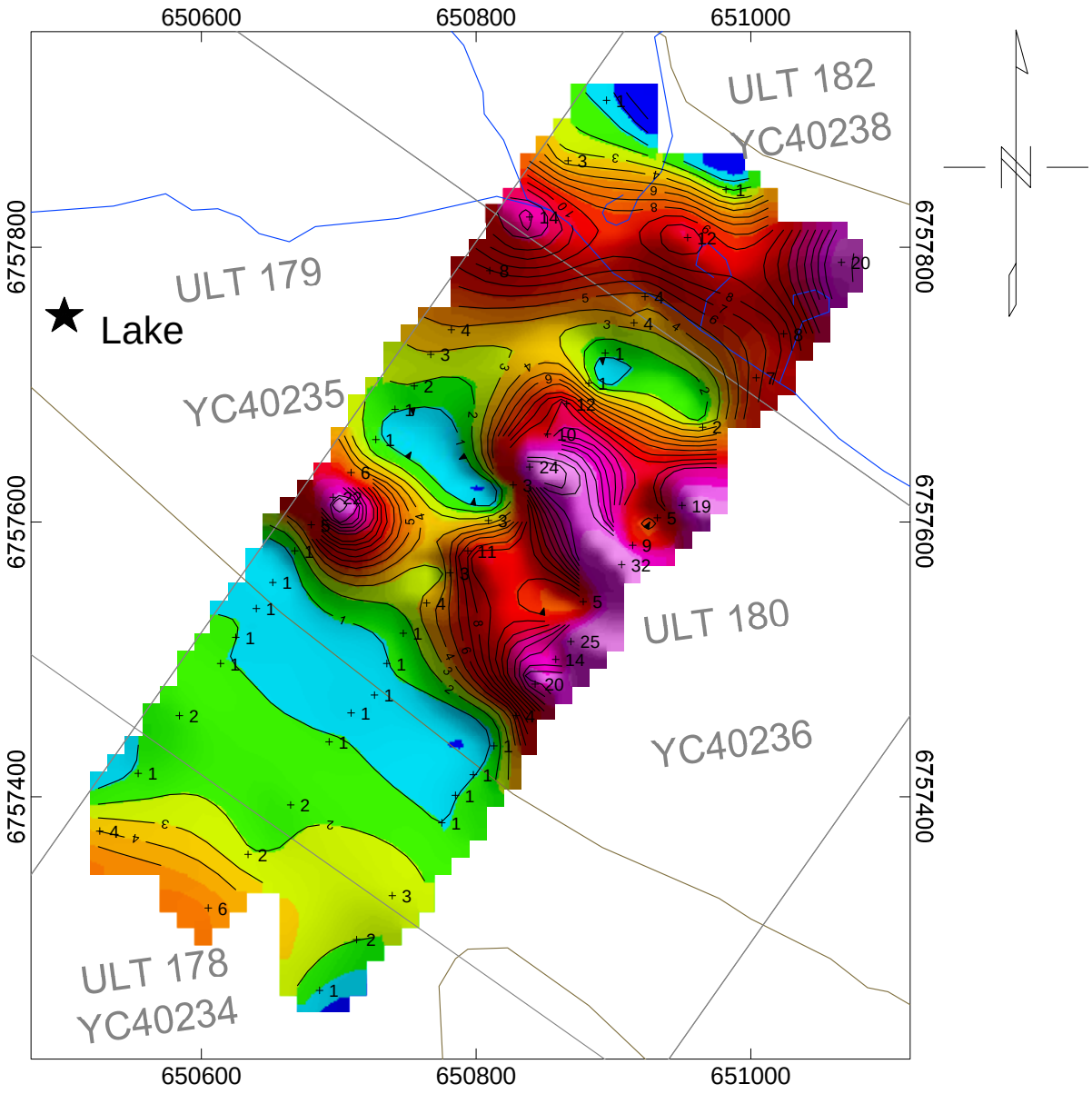
(meters)

NAD83 / UTM zone 7N

Klondike Star Mineral Corp.

Ultra Project
Lake Grid 2006
MMI Response Ratio - Fe

Figure 25
December 30, 2006



18.0
16.0
14.0
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0

RR-Mo

Scale 1:5000

50 0 50 100

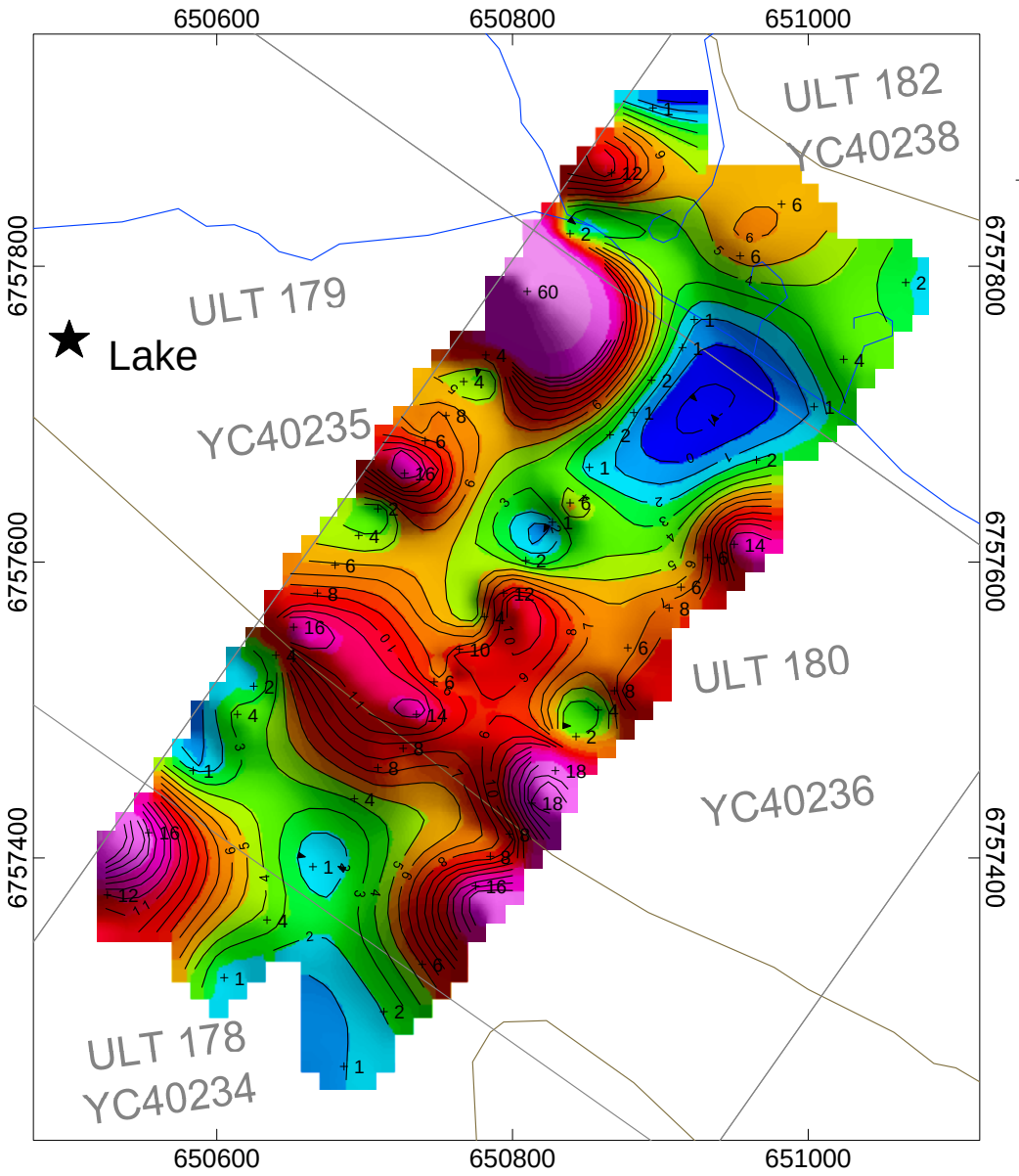
(meters)

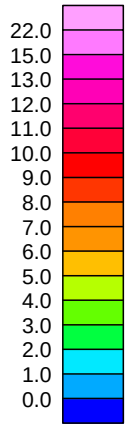
NAD83 / UTM zone 7N

Klondike Star Mineral Corp.

Ultra Project
Lake Grid 2006
MMI Response Ratio - Mo

Figure 26
December 30, 2006





Scale 1:5000

50 0 50 100

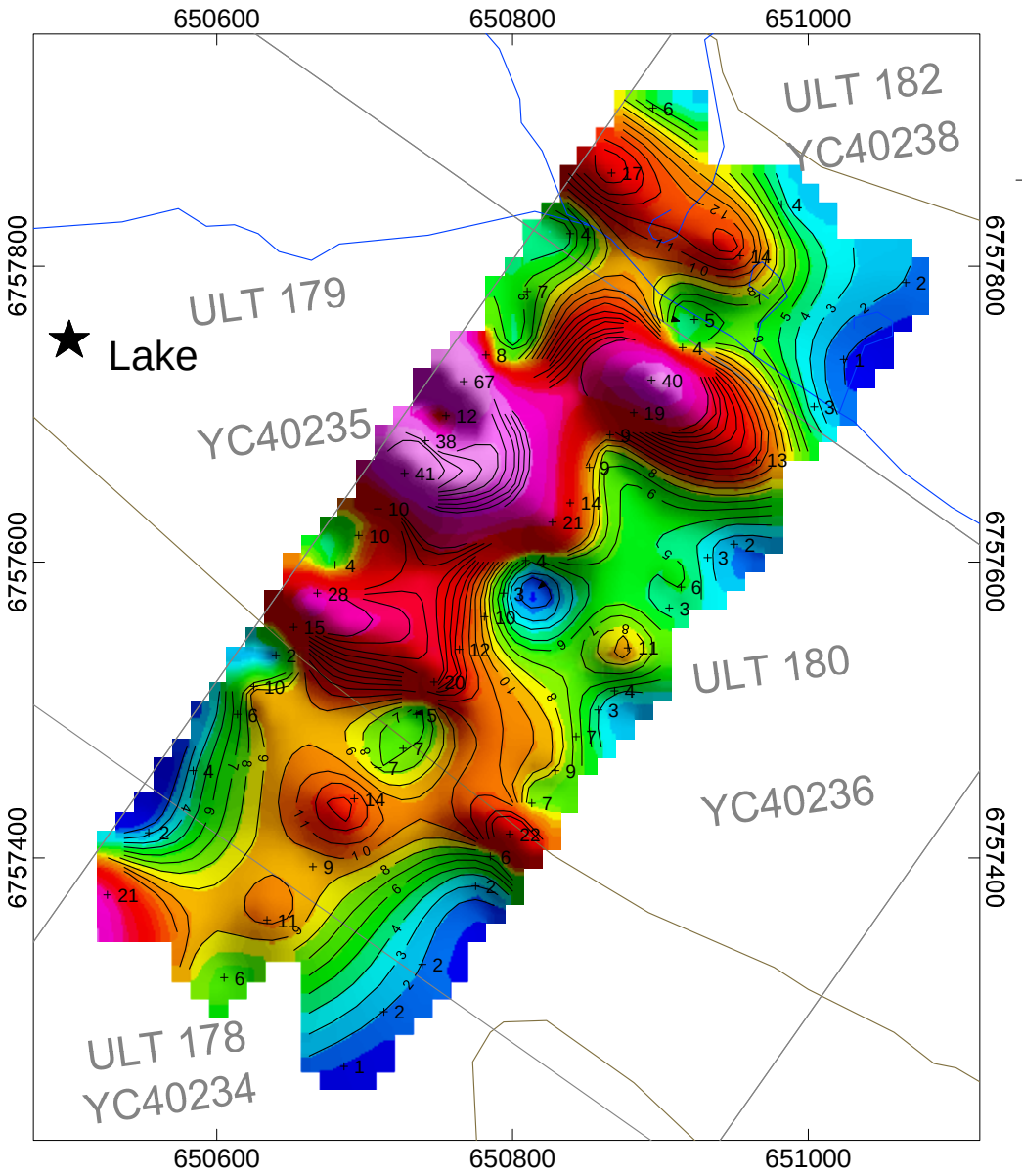
(meters)

NAD83 / UTM zone 7N

Klondike Star Mineral Corp.

Ultra Project
Lake Grid 2006
MMI Response Ratio - Pb

Figure 27
December 30, 2006



32.0
27.0
23.0
20.0
19.0
17.0
15.0
14.0
13.0
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0

RR-Zn

Scale 1:5000

50 0 50 100

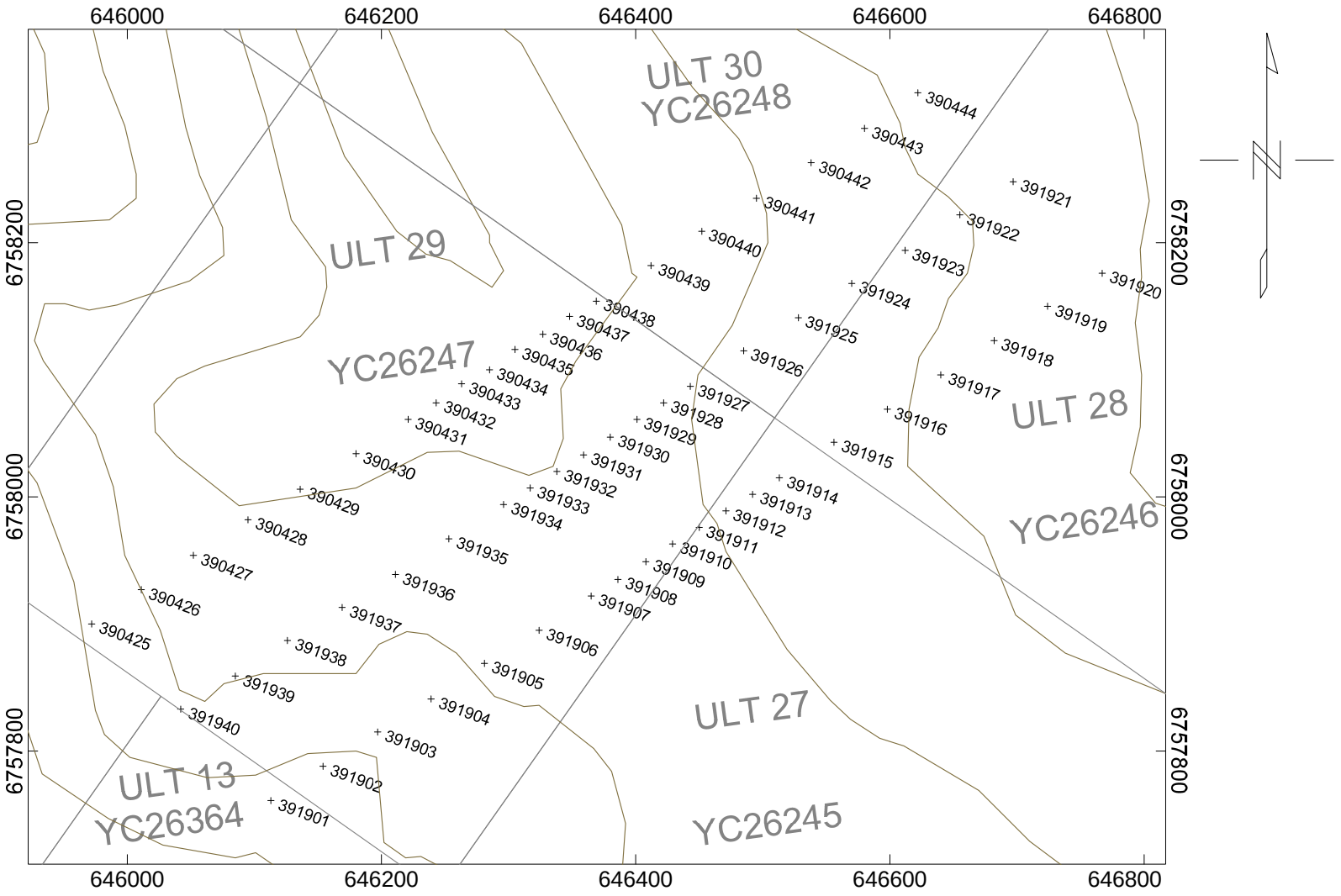
(meters)

NAD83 / UTM zone 7N

Klondike Star Mineral Corp.

Ultra Project
Lake Grid 2006
MMI Response Ratio - Zn

Figure 28
December 30, 2006



Scale 1:5000

50 0 50 100 150

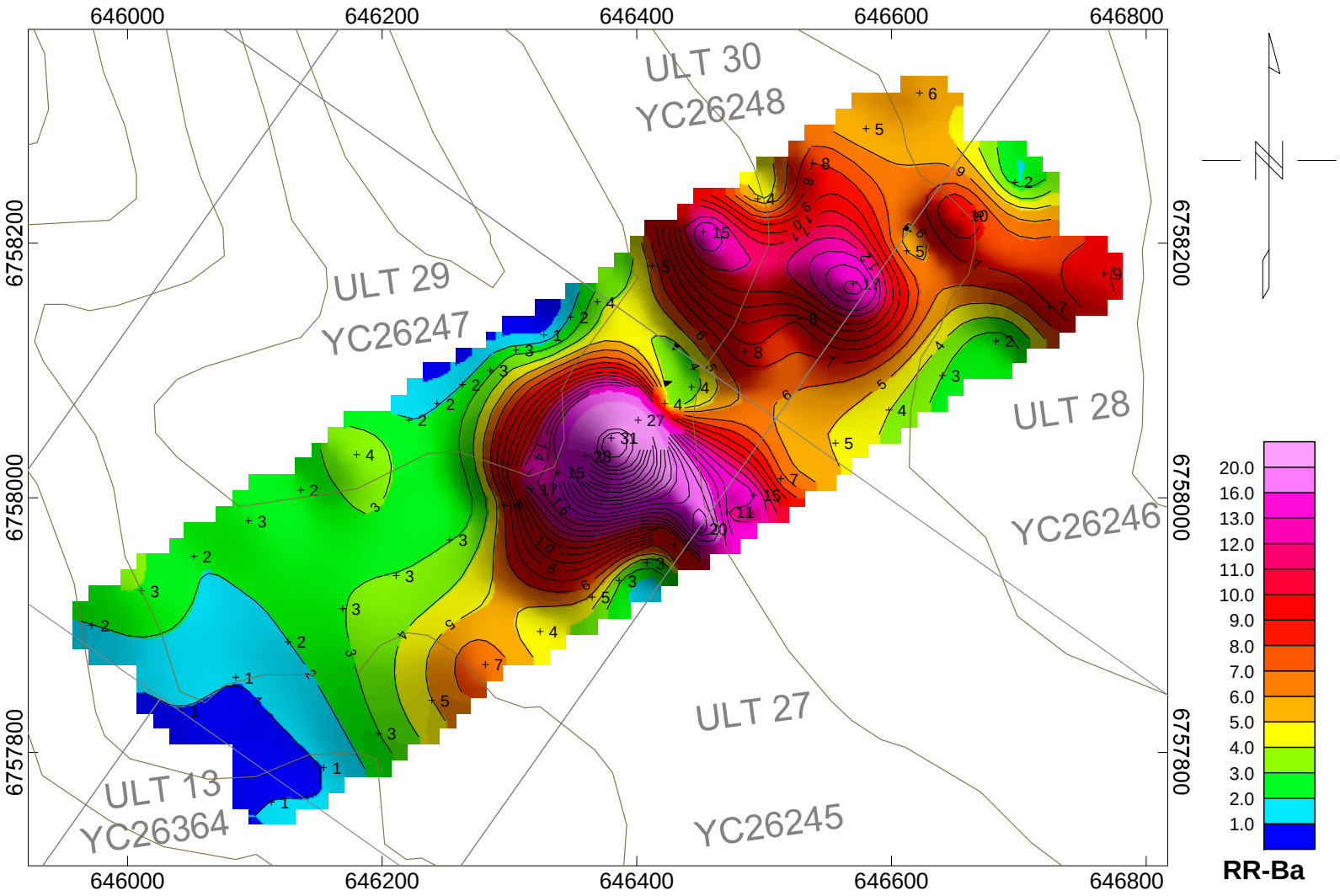
(meters)

NAD83 / UTM zone 7N

Klondike Star Mineral Corp.

Ultra Project
Silver Creek East Grid MMI 2006
Sample Locations

Figure 29
December 30, 2006



Scale 1:5000

50 0 50 100 150

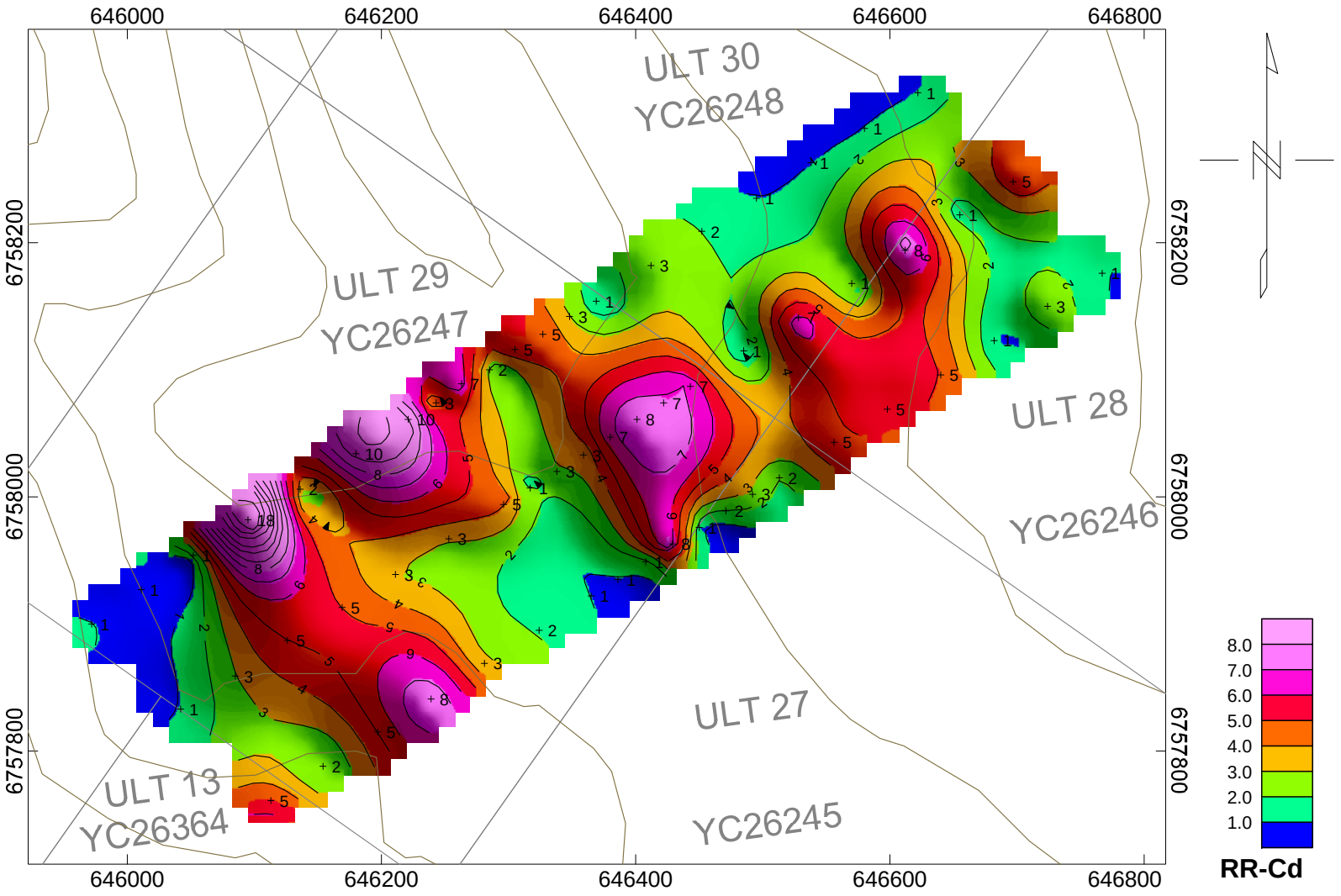
(meters)

NAD83 / UTM zone 7N

Klondike Star Mineral Corp.

Ultra Project
Silver Creek East Grid 2006
MMI Response Ratio - Ba

Figure 30
December 30, 2006



Scale 1:5000

50 0 50 100 150

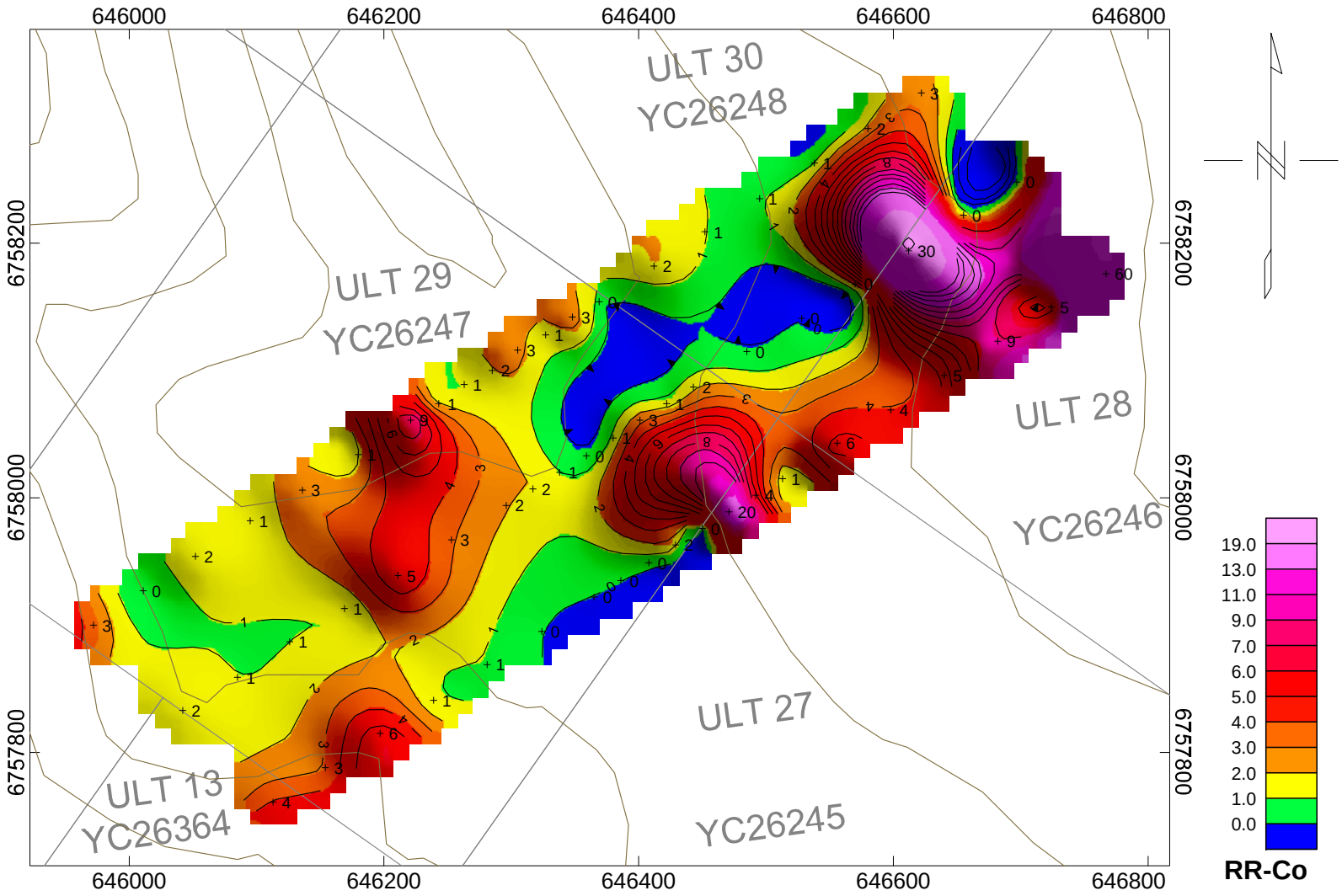
(meters)

NAD83 / UTM zone 7N

Klondike Star Mineral Corp.

Ultra Project
Silver Creek East Grid 2006
MMI Response Ratio - Cd

Figure 31
December 30, 2006



Scale 1:5000

50 0 50 100 150

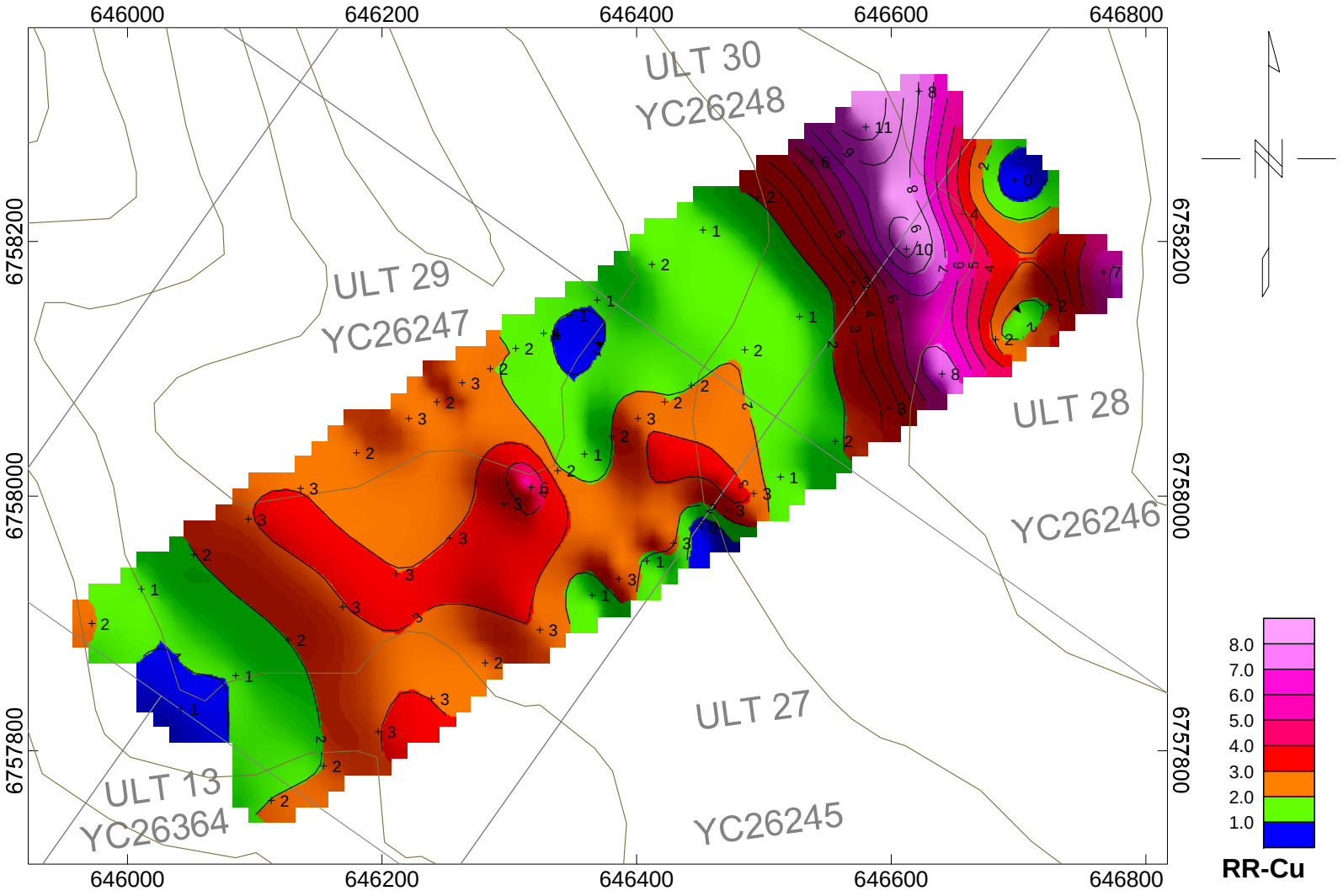
(meters)

NAD83 / UTM zone 7N

Klondike Star Mineral Corp.

Ultra Project
Silver Creek East Grid 2006
MMI Response Ratio - Co

Figure 32
December 30, 2006



Scale 1:5000

50 0 50 100 150

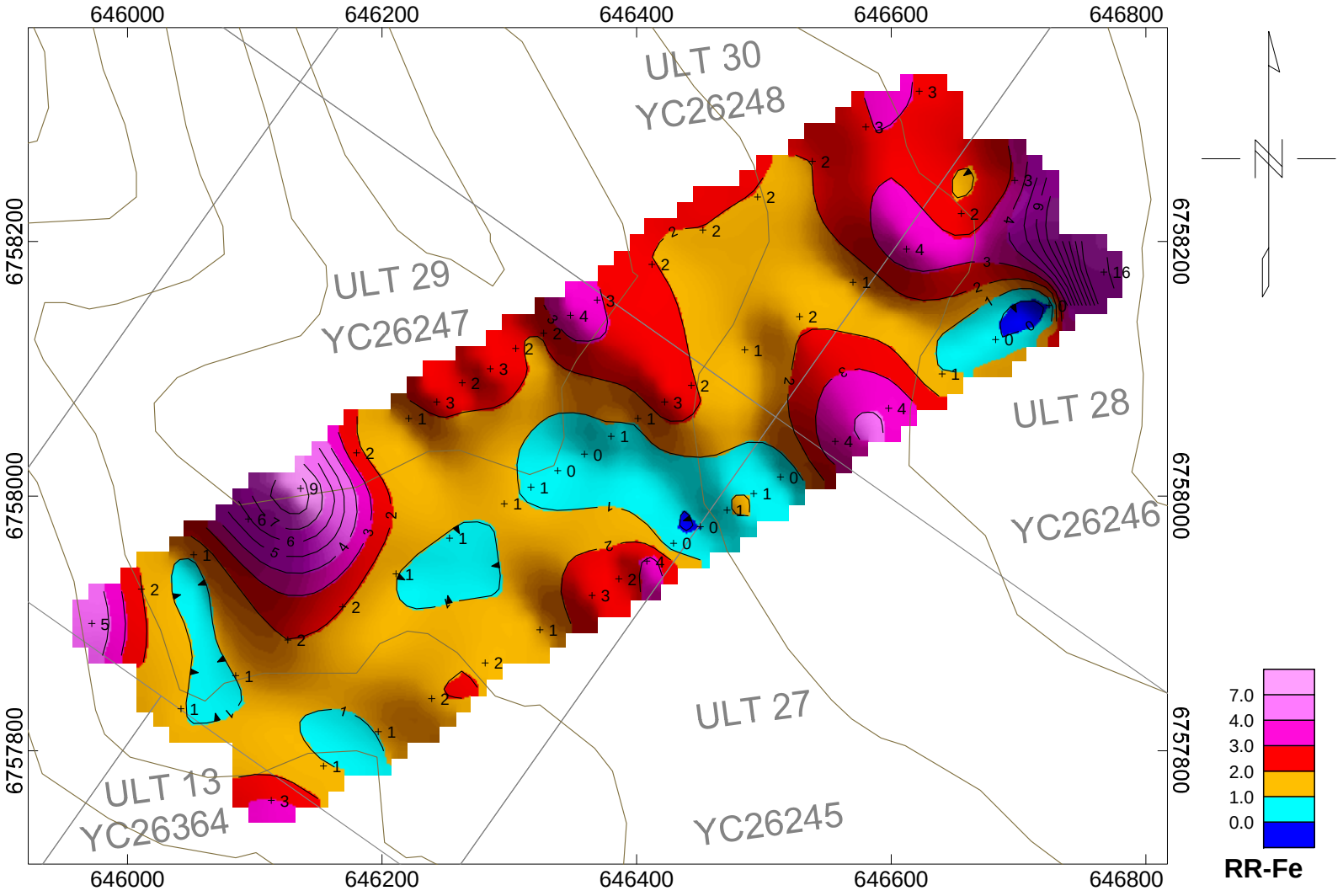
(meters)

NAD83 / UTM zone 7N

Klondike Star Mineral Corp.

Ultra Project
Silver Creek East Grid 2006
MMI Response Ratio - Cu

Figure 33
December 30, 2006



Scale 1:5000

50 0 50 100 150

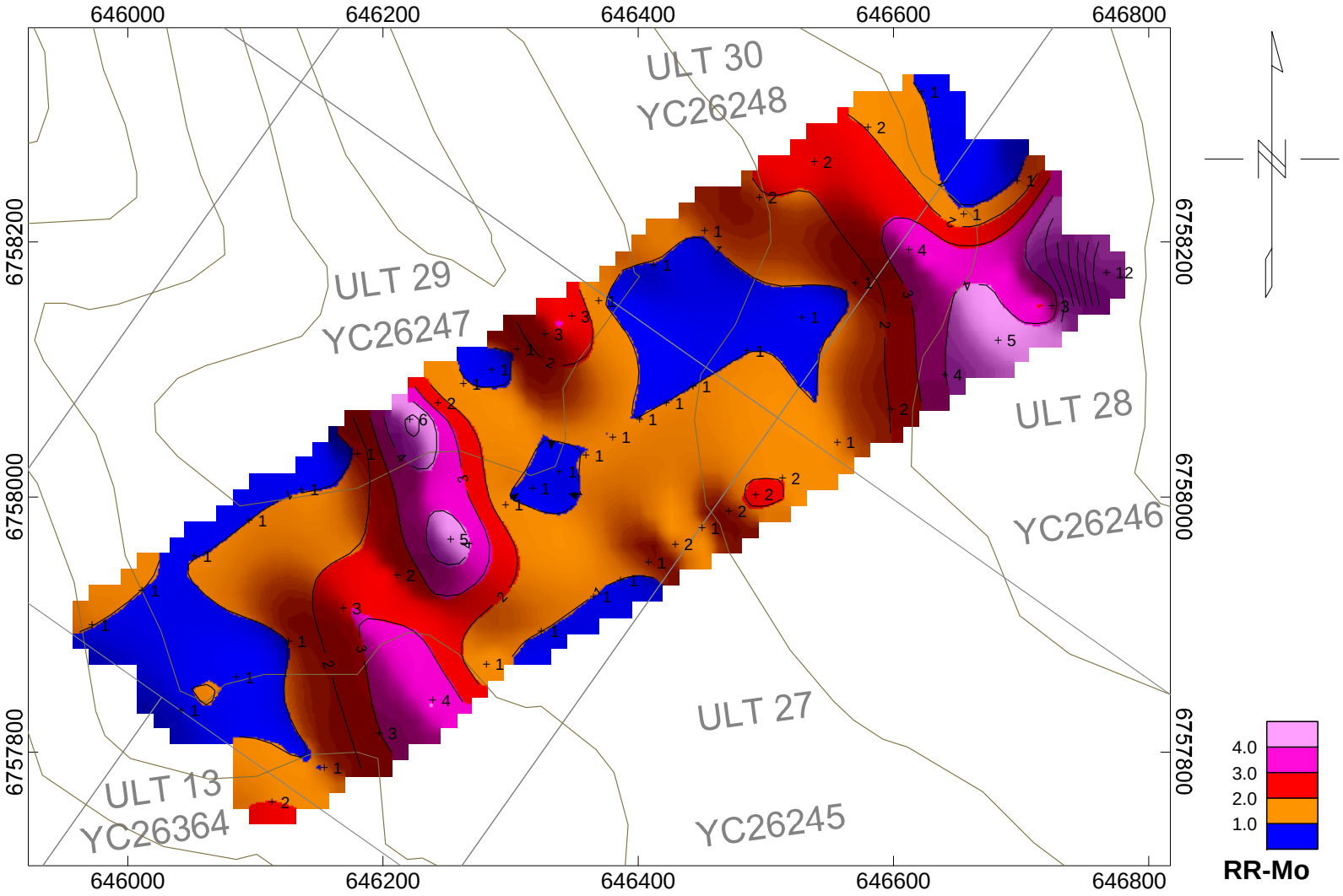
(meters)

NAD83 / UTM zone 7N

Klondike Star Mineral Corp.

Ultra Project
Silver Creek East Grid 2006
MMI Response Ratio - Fe

Figure 34
December 30, 2006



Scale 1:5000

50 0 50 100 150

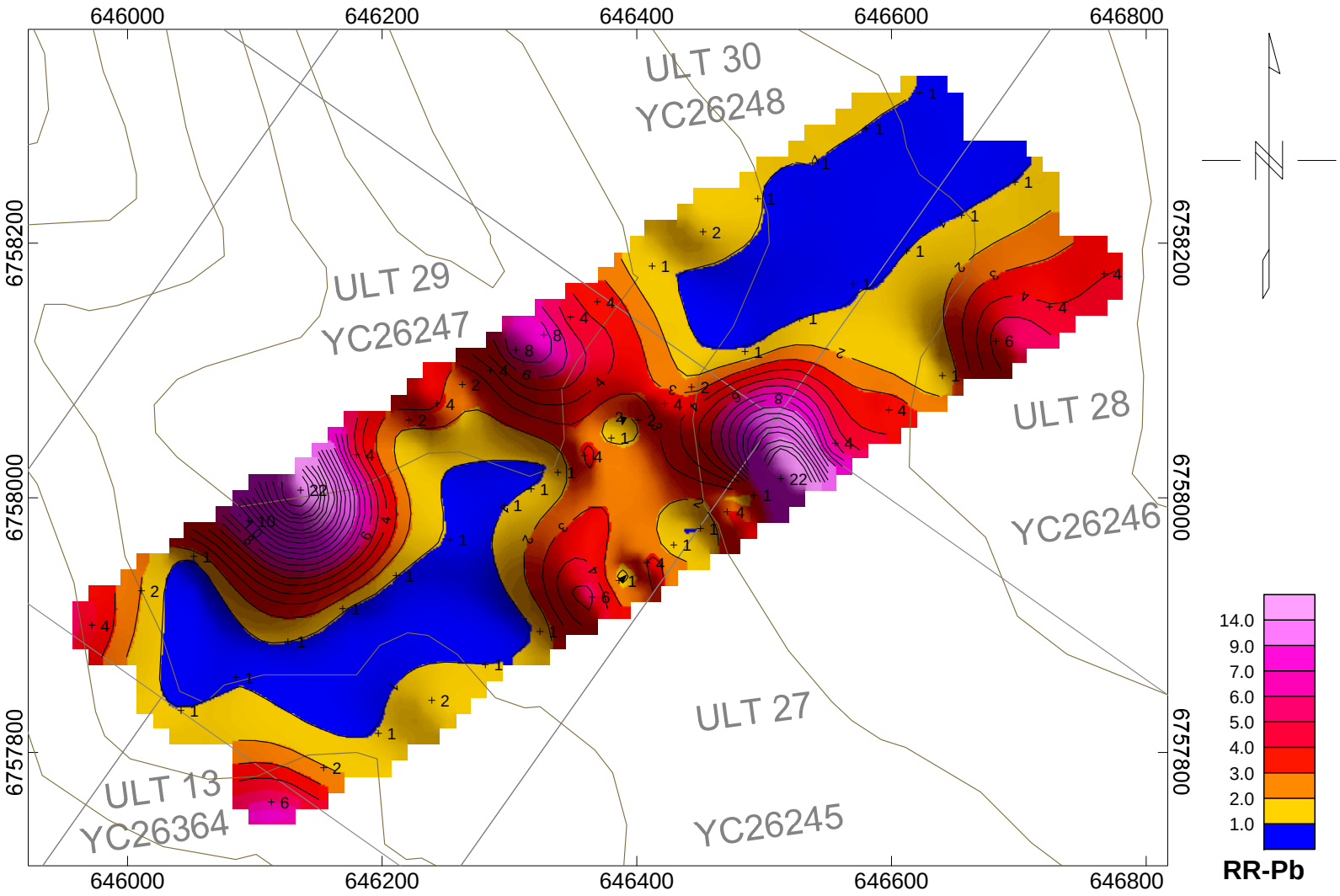
(meters)

NAD83 / UTM zone 7N

Klondike Star Mineral Corp.

Ultra Project
Silver Creek East Grid 2006
MMI Response Ratio - Mo

Figure 35
December 30, 2006



Scale 1:5000

50 0 50 100 150

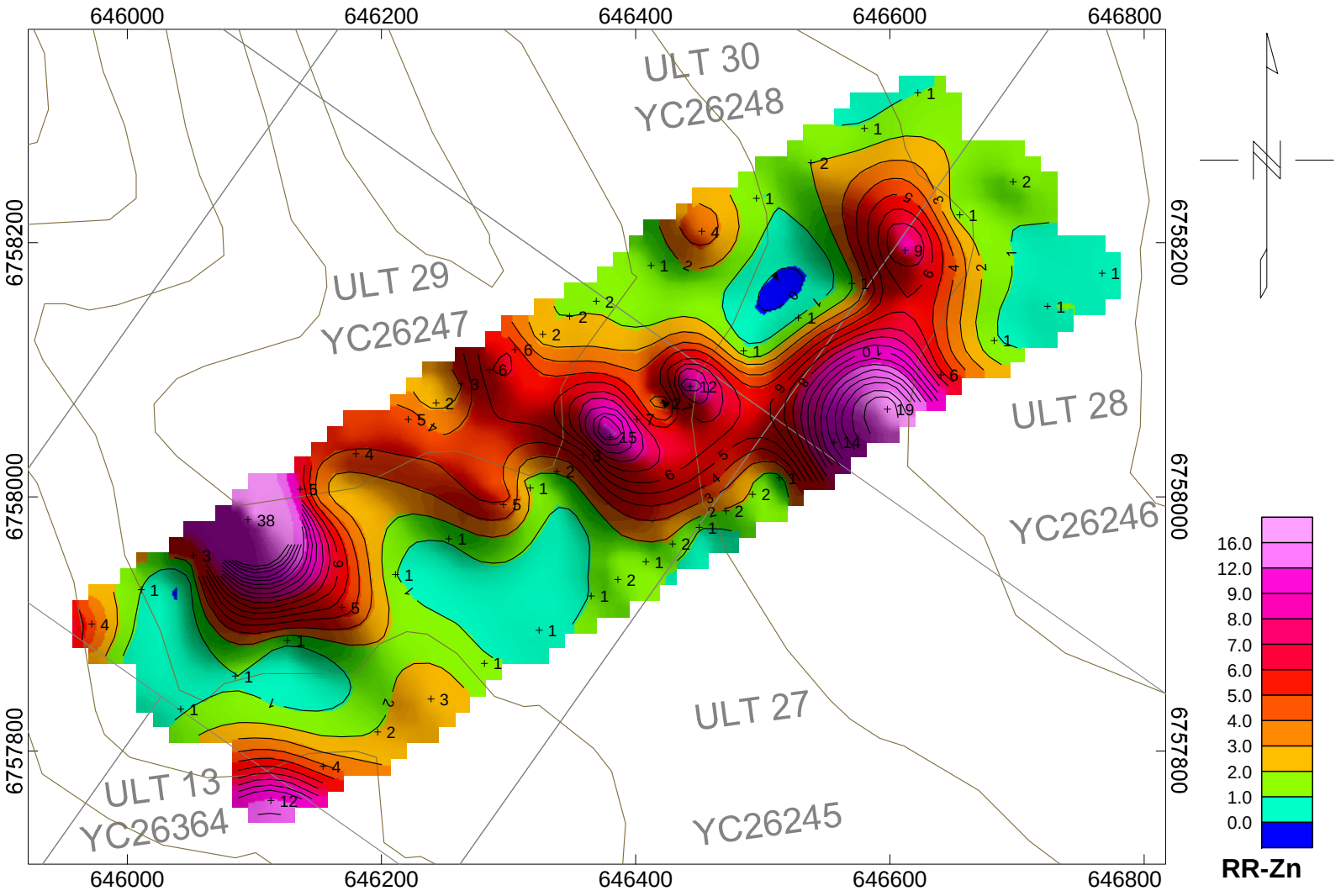
(meters)

NAD83 / UTM zone 7N

Klondike Star Mineral Corp.

Ultra Project
Silver Creek East Grid 2006
MMI Response Ratio - Pb

Figure 36
December 30, 2006



Scale 1:5000

50 0 50 100 150

(meters)

NAD83 / UTM zone 7N

Klondike Star Mineral Corp.

Ultra Project
Silver Creek East Grid 2006
MMI Response Ratio - Zn

Figure 37
December 30, 2006

11.0 ADJACENT PROPERTIES

The 680 hectare Ellen property, owned by Mr. Ron Stack and Mr. Bill Harris of Whitehorse, Yukon Territory, lies approximately 15 km east-southeast of the Ultra Project on NTS map sheet 115 A/13. The Ellen property covers the Kloo Minfile drilled prospect and nickel-copper-PGE anomalies. The Kloo prospect covers a volcanogenic massive sulphide showing, possibly a feeder system with strong dark chlorite alteration and chalcopyrite bands, stringers and breccia infilling. Results from drilling include 3.15% Cu over 5.2m in MC-1, 1.64% Cu over 10.4m in MC-2 and 1.96% Cu, 2.1 g/t Au over 2.1m in DDH 95-3 *(Pautler, 2006)*.

12.0 MINERAL PROCESSING AND METALLURGICAL TESTING

The Ultra property is at an early exploration stage and no metallurgical testing has been carried out.

Petrographic work by Dr. Tim Liverton indicates that the chalcopyrite and sphalerite occur in fairly fine grained form or they contain inclusions of pyrite. Depending on the metallurgical details this could require extreme grinding but may just increase the iron content *(Liverton, 2006)*.

At the Frohberg Ni-Cu-PGE prospect, the consideration that the nickel is mostly combined with antimony or arsenic and pyrrhotite content is not favourable for processing *(Liverton, 2006)*.

13.0 RESOURCE AND MINERAL RESERVE ESTIMATES

There has not been sufficient drilling on the Ultra property to undertake a resource calculation or to delineate the limits of mineralization in any direction.

14.0 INTERPRETATION AND CONCLUSIONS

The most significant showing on the Ultra Project is the Telluride volcanogenic massive sulphide showing, which appears to be consistent with the Cypress type deposit model. The massive sulphide horizon trends 130-140º/ 45-70ºS, ranges from 0.5 to 4m wide, has been traced for 200m and remains open along strike. The central portion overlies a 35m stockwork zone. The showing itself contains economic values of 3.23% Cu, 6.75% Zn, 17.8 Ag, 0.15 Au over 4m with maximum values of 13.4% Cu, 6.75% Zn, 56 ppm Ag, 0.25 ppm Au.

The Telluride horizon has been discontinuously traced, due to glacier cover, 6 km along strike to the southeast. The Nunatak Zone, a bedded massive sulphide lens and associated stockwork zone, was discovered 3 km southeast of the Telluride showing with

results of 11.54% Cu, 1514 ppm Zn and 7.2 g/t Ag over 3m. Four km southeast of the Telluride showing semi-massive pyritic horizons, sulphide bearing quartz veins and pyrite-chalcopyrite stockwork type mineralization are exposed along a rugged north facing slope with highly anomalous values including 2.34% Cu, 50.9 g/t Ag over 2m. A glacier obscures the northwestern strike extent of the Telluride showing.

The nature of the pyrite horizons apparently hosted by the Devonian to Triassic volcanic rocks of the Icefield Group are unclear at this point. Distal pyrite horizons are common in Cypress type deposits and the pyrite laminations observed in the Ult 207 area lie 4.5 km along strike to the northwest of the Telluride showing.

The continuity of the system to the southeast alone is indicative of a strong hydrothermal system.

The boulders at the Boulder showing appear to have originated from the Telluride showing. However, the main conductor originally thought to have been the source has never been tested since the original drill holes did not reach bedrock. Valid drill targets are evident on the Redball Grid from the MMI interpretation, coincident with the central part of the 1961 Turam survey. The geophysical anomalies found at the Lake grid are consistent with a major fault zone.

A volcanogenic massive sulphide feeder system, with strong dark chlorite alteration and chalcopyrite bands, stringers and breccia infilling, associated with significant copper-gold values, is present on the Ellen property, 22 km to the east-southeast of the Telluride and apparently on the opposite side of the Denali Fault. The Ellen lies 17 km along trend of the Boulder showing in similar rocks, but again apparently on the opposite side of the Denali Fault. Current mapping in the region by the Yukon Geological Survey may be useful in the interpretation of the showings and their relationship, if any.

Although the Ultra project covers intrusions with the same age and chemistry as those that host the nickel-copper-PGE deposit at the former Wellgreen Mine, the only significant mineralization discovered to date is the Frohberg Showing. Mineralization is confined to one of the smaller satellite intrusions and is limited in extent. Specimens from the showing returned some high assays in copper, nickel and palladium but generally low values for platinum and other PGEs. The best results were obtained from the 2002 trenching program at the southeast end of the exposure with highly significant values of 5.54 g/t Pt, 13.46 g/t Pd, 4.07% Cu and 1.73% Ni over 0.5m. Although the nickel is associated with arsenic and antimony, exploration potential exists for a buried deposit beneath the talus and glacier immediately southeast of the Frohberg showing.

Reconnaissance soil and rock geochemistry returned some moderately anomalous nickel and copper values in the vicinity of other ultramafic sills in the project area but did not outline any areas of anomalous PGE or gold response. The Jesse showing, an anomaly at the base of a 2 km by 300m wide ultramafic sill along a branch of Jesse Creek, returned anomalous values in soil from its limonite altered footwall contact in 2005. Due to weather conditions, follow up was not completed on this target.

The Jennifer showing copper-silver quartz vein-stockwork zone is restricted to a 25x30x100m area, returning maximum values of 1.0% Cu, 98 g/t Ag over 0.6m from a quartz vein and 0.39% Cu, 31 g/t Ag over 2.5m from a series of quartz stockwork veins cutting limestone with no significant values from the hanging wall and footwall zones and no anomalous gold values from the entire showing. The showing is consistent with a copper-silver vein deposit model, hosted by limestone. Minor polymetallic veins, with low anomalous base ± enhanced silver values over narrow widths, occur at the Jennifer Zinc showing and to the north of the Jennifer in the Kul area, but do not contain significant mineralization over significant widths.

15.0 RECOMMENDATIONS

A small 1,000-1,300m diamond drill program is recommended on the Telluride volcanogenic massive sulphide showing to test the down dip extent of the massive sulphide horizon and associated stockwork zone. A favourable pad site is located along the ridgetop above the showing. Water would be available from the glacier. Three 250-300m holes could be fanned from one setup and an additional 300m hole to test further down dip would be contingent on the results of the first three holes.

Extension of magnetic and electromagnetic geophysical surveys southeast of the Frohberg showing would be useful in tracing the high grade mineralization encountered in the 2002 blast pit (5.54 g/t Pt, 13.46 g/t Pd, 4.07% Cu and 1.73% Ni over 0.5m) across a talus and glacier covered area.

Follow up on the Jesse Cu-Ni-PGE anomaly at the footwall contact of a 2 km by 300m wide ultramafic sill should involve the implementation of a reconnaissance magnetic survey (possibly utilizing a fluxgate magnetometer) to define the talus covered contact. A test line should first be run across the exposed footwall contact to determine the usefulness of the survey. Hand trenching in areas of lower cover can then be undertaken to expose and sample the footwall contact zone.

No further work is recommended on the Jennifer showing. The copper-silver quartz vein-stockwork zone is restricted to a 25x30x100m area and values are restricted to the narrow veins with no significant values from the hanging wall and footwall zones and no anomalous gold values from the entire showing. The minor polymetallic veins, with low anomalous base ± enhanced silver values over narrow widths at the Jennifer Zinc showing and in the Kul area, to the north of the Jennifer, do not require further work.

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16.0 CERTIFICATE, DATE AND SIGNATURE

1) I, Jean Marie Pautler of 103-108 Elliott Street, Whitehorse, Yukon Territory am self-employed as a consultant geologist, authored and am responsible for this report.

2) I am a graduate of Laurentian University, Sudbury, Ontario with an Honours B.Sc. degree in geology (May, 1980) with more than 25 years mineral exploration experience in the North American Cordillera.

3) I am a registered member of the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC Reg. No. 19804).

4) I directly supervised and participated in the 2006 exploration project on the Ultra property between August 1 and September 8, 2006.

5) I have no direct or indirect interest in the Ultra property, which is the subject of this report.

_____

Jean Pautler, P.Geo.
JP Exploration Services Inc.
#103-108 Elliott St
Whitehorse, Yukon
Y1A 6C4

Appendix I
Statement of Expenditures

Wages:	J. Pautler	22 days @ 600.00/day		$13,500.00
	Heiko Mueller	34 days @ 440.00/day		14,960.00
	Tom Morgan	38 days @ 350.00/day		13,300.00
	Sandro Frizzi	20 days @ 330.00/day		6,600.00
	Kane Morgan	10 hours @ 12.00/hr.		120.00
	Bill Mann	4 days @ 500.00/day		2,000.00
		Total: 119 man-days		**$ 50,480.00**

Geochemistry:	157 rocks	@ 23/ea.	Au, ICP ± PGE	3,611.00	
	16 soils	@ 23/ea.	Au, ICP	368.00	
	242 MMI	@ 38/ea.		9,196.00	
	14 assays	@10/ea	Au, Cu, Zn, Ni	140.00	
	freight			960.00	
			Total: (includes shipping)		**14,275.00**

Additional Analyses:

Pb isotope analysis	1,000.00	
Polished/thin section preparation	500.00	
Total:		**1,500.00**

Equipment Rental:	Trucks	6,019.40	
	Radios	500.00	
	Mobile Mapper	500.00	
	Total:		**7,019.40**

Helicopter:	Trans North Helicopters Haines Junction, YT	**38,739.98**
Accommodation and Fuel:	Glacier View Motel	**11,860.00**
Groceries:	Breakfast, lunches	**400.00**
Field Supplies:	(flagging tape, batteries, sample bags, markers)	**1,000.00**
Explosives:	for trenching	**500.00**
Report & Drafting:		**6,000.00**
GRAND TOTAL:		**$131,773.80**

APPENDIX II: Statement of Claims

Grant Number	Claim Name	Claim No.	Claim Owner	Operation Rec. Date	Expiry Date	Renewal Years	Renewal Date
YC18433	ELI	11	Tom Morgan - 100%.	2/22/2000	2/22/2010	4	2/22/2014
YC18434	ELI	12	Tom Morgan - 100%.	2/22/2000	2/22/2011	4	2/22/2015
YC18435	ELI	13	Tom Morgan - 100%.	2/22/2000	2/22/2010	4	2/22/2014
YC18436	ELI	14	Tom Morgan - 100%.	2/22/2000	2/22/2012	4	2/22/2016
YC19001	ULTRA	1	Tom Morgan - 100%.	12/7/2000	12/7/2015	4	12/7/2019
YC19002	ULTRA	2	Tom Morgan - 100%.	12/7/2000	12/7/2014	4	12/7/2018
YC19003	ULTRA	3	Tom Morgan - 100%.	12/7/2000	12/7/2015	4	12/7/2019
YC19004	ULTRA	4	Tom Morgan - 100%.	12/7/2000	12/7/2015	4	12/7/2019
YC19005	ULTRA	5	Tom Morgan - 100%.	12/7/2000	12/7/2015	4	12/7/2019
YC19006	ULTRA	6	Tom Morgan - 100%.	12/7/2000	12/7/2014	4	12/7/2018
YC19007	ULTRA	7	Tom Morgan - 100%.	12/7/2000	12/7/2012	4	12/7/2016
YC19008	ULTRA	8	Tom Morgan - 100%.	12/7/2000	12/7/2012	4	12/7/2016
YC19009	ULTRA	9	Tom Morgan - 100%.	12/7/2000	12/7/2010	4	12/7/2014
YC19010	ULTRA	10	Tom Morgan - 100%.	12/7/2000	12/7/2012	4	12/7/2016
YC19011	ULTRA	11	Tom Morgan - 100%.	12/7/2000	12/7/2010	4	12/7/2014
YC19012	ULTRA	12	Tom Morgan - 100%.	12/7/2000	12/7/2013	4	12/7/2017
YC19013	ULTRA	13	Tom Morgan - 100%.	12/7/2000	12/7/2013	4	12/7/2017
YC19014	ULTRA	14	Tom Morgan - 100%.	12/7/2000	12/7/2015	4	12/7/2019
YC19015	ULTRA	15	Tom Morgan - 100%.	12/7/2000	12/7/2012	4	12/7/2016
YC19016	ULTRA	16	Tom Morgan - 100%.	12/7/2000	12/7/2012	4	12/7/2016
YC19017	ULTRA	17	Tom Morgan - 100%.	12/7/2000	12/7/2010	4	12/7/2014
YC19018	ULTRA	18	Tom Morgan - 100%.	12/7/2000	12/7/2010	4	12/7/2014
YC19019	ULTRA	19	Tom Morgan - 100%.	12/7/2000	12/7/2010	4	12/7/2014
YC19020	ULTRA	20	Tom Morgan - 100%.	12/7/2000	12/7/2010	4	12/7/2014
YC19021	ULTRA	21	Tom Morgan - 100%.	12/7/2000	12/7/2010	4	12/7/2014
YC19022	ULTRA	22	Tom Morgan - 100%.	12/7/2000	12/7/2010	4	12/7/2014
YC19023	ULTRA	23	Tom Morgan - 100%.	12/7/2000	12/7/2010	4	12/7/2014
YC19024	ULTRA	24	Tom Morgan - 100%.	12/7/2000	12/7/2010	4	12/7/2014
YC19025	ULTRA	25	Tom Morgan - 100%.	12/7/2000	12/7/2010	1	12/7/2011
YC19026	ULTRA	26	Tom Morgan - 100%.	12/7/2000	12/7/2010	1	12/7/2011
YC19027	ULTRA	27	Tom Morgan - 100%.	12/7/2000	12/7/2010	1	12/7/2011
YC19028	ULTRA	28	Tom Morgan - 100%.	12/7/2000	12/7/2010	1	12/7/2011
YC19029	ULTRA	29	Tom Morgan - 100%.	12/7/2000	12/7/2010	1	12/7/2011
YC19030	ULTRA	30	Tom Morgan - 100%.	12/7/2000	12/7/2010	1	12/7/2011
YC19067	GAB	23	Tom Morgan - 100%.	2/12/2001	2/12/2010	1	2/12/2011
YC19069	GAB	25	Tom Morgan - 100%.	2/12/2001	2/12/2010	1	2/12/2011
YC19071	GAB	27	Tom Morgan - 100%.	2/12/2001	2/12/2010	1	2/12/2011
YC19073	GAB	29	Tom Morgan - 100%.	2/12/2001	2/12/2010	1	2/12/2011
YC19074	GAB	30	Vern Matkovich - 100%.	2/12/2001	2/12/2010	1	2/12/2011
YC19075	GAB	31	Vern Matkovich - 100%.	2/12/2001	2/12/2010	1	2/12/2011
YC19076	GAB	32	Vern Matkovich - 100%.	2/12/2001	2/12/2010	1	2/12/2011
YC19077	GAB	33	Vern Matkovich - 100%.	2/12/2001	2/12/2010	1	2/12/2011
YC19079	GAB	35	Vern Matkovich - 100%.	2/12/2001	2/12/2010	4	2/12/2014
YC19081	GAB	37	Vern Matkovich - 100%.	2/12/2001	2/12/2010	4	2/12/2014
YC19083	GAB	39	Vern Matkovich - 100%.	2/12/2001	2/12/2010	4	2/12/2014
YC19084	GAB	40	Tom Morgan - 100%.	2/12/2001	2/12/2010	0	2/12/2010
YC19085	GAB	41	Tom Morgan - 100%.	2/12/2001	2/12/2010	0	2/12/2010
YC19086	GAB	42	Tom Morgan - 100%.	2/12/2001	2/12/2010	0	2/12/2010
YC19087	GAB	43	Tom Morgan - 100%.	2/12/2001	2/12/2010	0	2/12/2010
YC19088	GAB	44	Vern Matkovich - 100%.	2/12/2001	2/12/2010	0	2/12/2010
YC19089	GAB	45	Vern Matkovich - 100%.	2/12/2001	2/12/2010	0	2/12/2010
YC19090	GAB	46	Vern Matkovich - 100%.	2/12/2001	2/12/2010	0	2/12/2010
YC19091	GAB	47	Vern Matkovich - 100%.	2/12/2001	2/12/2010	0	2/12/2010
YC19098	ULTRA	37	Vern Matkovich - 100%.	2/12/2001	2/12/2015	4	2/12/2019
YC19099	ULTRA	38	Vern Matkovich - 100%.	2/12/2001	2/12/2015	0	2/12/2015
YC19100	ULTRA	39	Vern Matkovich - 100%.	2/12/2001	2/12/2015	4	2/12/2019
YC19101	ULTRA	40	Vern Matkovich - 100%.	2/12/2001	2/12/2015	0	2/12/2015

Grant Number	Claim Name	Claim No.	Claim Owner	Operation Rec. Date	Expiry Date	Renewal Years	Renewal Date
YC19102	ULTRA	41	Vern Matkovich - 100%.	2/12/2001	2/12/2015	0	2/12/2015
YC19103	ULTRA	42	Vern Matkovich - 100%.	2/12/2001	2/12/2015	0	2/12/2015
YC19104	ULTRA	43	Vern Matkovich - 100%.	2/12/2001	2/12/2015	4	2/12/2019
YC19105	ULTRA	44	Vern Matkovich - 100%.	2/12/2001	2/12/2015	4	2/12/2019
YC19106	ULTRA	45	Tom Morgan - 100%.	2/12/2001	2/12/2010	4	2/12/2014
YC19107	ULTRA	46	Tom Morgan - 100%.	2/12/2001	2/12/2010	4	2/12/2014
YC19108	ULTRA	47	Tom Morgan - 100%.	2/12/2001	2/12/2011	4	2/12/2015
YC19109	ULTRA	48	Tom Morgan - 100%.	2/12/2001	2/12/2010	4	2/12/2014
YC19110	ULTRA	49	Tom Morgan - 100%.	2/12/2001	2/12/2011	4	2/12/2015
YC19111	ULTRA	50	Tom Morgan - 100%.	2/12/2001	2/12/2011	4	2/12/2015
YC19112	ULTRA	51	Tom Morgan - 100%.	2/12/2001	2/12/2011	4	2/12/2015
YC19113	ULTRA	52	Tom Morgan - 100%.	2/12/2001	2/12/2011	4	2/12/2015
YC19114	ULTRA	53	Tom Morgan - 100%.	2/12/2001	2/12/2015	4	2/12/2019
YC19115	ULTRA	54	Tom Morgan - 100%.	2/12/2001	2/12/2015	4	2/12/2019
YC19116	ULTRA	55	Tom Morgan - 100%.	2/12/2001	2/12/2015	4	2/12/2019
YC19117	ULTRA	56	Tom Morgan - 100%.	2/12/2001	2/12/2013	4	2/12/2017
YC19118	ULTRA	57	Tom Morgan - 100%.	2/12/2001	2/12/2015	4	2/12/2019
YC19119	ULTRA	58	Tom Morgan - 100%.	2/12/2001	2/12/2013	4	2/12/2017
YC19120	ULTRA	59	Vern Matkovich - 100%.	2/12/2001	2/12/2010	4	2/12/2014
YC19121	ULTRA	60	Vern Matkovich - 100%.	2/12/2001	2/12/2010	4	2/12/2014
YC19122	ULTRA	61	Vern Matkovich - 100%.	2/12/2001	2/12/2010	4	2/12/2014
YC19123	ULTRA	62	Vern Matkovich - 100%.	2/12/2001	2/12/2010	4	2/12/2014
YC19124	ULTRA	63	Vern Matkovich - 100%.	2/12/2001	2/12/2010	4	2/12/2014
YC19125	ULTRA	64	Vern Matkovich - 100%.	2/12/2001	2/12/2010	4	2/12/2014
YC19126	ULTRA	65	Vern Matkovich - 100%.	2/12/2001	2/12/2010	4	2/12/2014
YC19128	ULTRA	67	Vern Matkovich - 100%.	2/12/2001	2/12/2010	4	2/12/2014
YC19129	ULTRA	68	Vern Matkovich - 100%.	2/12/2001	2/12/2010	4	2/12/2014
YC19130	ULTRA	69	Vern Matkovich - 100%.	2/12/2001	2/12/2010	4	2/12/2014
YC19131	ULTRA	70	Vern Matkovich - 100%.	2/12/2001	2/12/2010	4	2/12/2014
YC19132	ULTRA	71	Vern Matkovich - 100%.	2/12/2001	2/12/2010	4	2/12/2014
YC19133	ULTRA	72	Vern Matkovich - 100%.	2/12/2001	2/12/2010	4	2/12/2014
YC19376	ULT	1	Tom Morgan - 100%.	9/14/2001	9/14/2018	4	9/14/2022
YC19398	ULTRA	73	Tom Morgan - 100%.	10/22/2001	10/22/2014	4	10/22/2018
YC19399	ULTRA	74	Tom Morgan - 100%.	10/22/2001	10/22/2014	4	10/22/2018
YC19400	ULTRA	75	Tom Morgan - 100%.	10/22/2001	10/22/2014	1	10/22/2015
YC19401	ULTRA	76	Tom Morgan - 100%.	10/22/2001	10/22/2013	2	10/22/2015
YC19402	ULTRA	77	Tom Morgan - 100%.	10/22/2001	10/22/2014	1	10/22/2015
YC19403	ULTRA	78	Tom Morgan - 100%.	10/22/2001	10/22/2014	1	10/22/2015
YC19404	ULTRA	79	Tom Morgan - 100%.	10/22/2001	10/22/2014	4	2/12/2018
YC19405	ULTRA	80	Tom Morgan - 100%.	10/22/2001	10/22/2014	4	2/12/2018
YC19406	TELL	1	Tom Morgan - 100%.	10/22/2001	10/22/2010	4	10/22/2014
YC19407	TELL	2	Tom Morgan - 100%.	10/22/2001	10/22/2010	4	10/22/2014
YC19408	TELL	3	Tom Morgan - 100%.	10/22/2001	10/22/2010	4	10/22/2014
YC19409	TELL	4	Tom Morgan - 100%.	10/22/2001	10/22/2010	4	10/22/2014
YC25938	ULT	2	19651 Yukon Ltd. - 100%.	5/7/2003	5/7/2014	4	5/7/2018
YC25939	ULT	3	19651 Yukon Ltd. - 100%.	5/7/2003	5/7/2014	4	5/7/2018
YC25940	ULT	4	19651 Yukon Ltd. - 100%.	5/7/2003	5/7/2014	4	5/7/2018
YC25941	ULT	5	19651 Yukon Ltd. - 100%.	5/7/2003	5/7/2014	4	5/7/2018
YC25942	ULT	6	19651 Yukon Ltd. - 100%.	5/7/2003	5/7/2014	4	5/7/2018
YC25943	ULT	7	19651 Yukon Ltd. - 100%.	5/7/2003	5/7/2014	4	5/7/2018
YC26106	ULTRA	81	Tom Morgan - 100%.	12/8/2003	12/8/2011	4	12/8/2015
YC26107	ULTRA	82	Tom Morgan - 100%.	12/8/2003	12/8/2011	4	12/8/2015
YC26108	ULTRA	83	Tom Morgan - 100%.	12/8/2003	12/8/2010	4	12/8/2014
YC26109	ULTRA	84	Tom Morgan - 100%.	12/8/2003	12/8/2011	3	12/8/2014
YC26110	ULTRA	85	Tom Morgan - 100%.	12/8/2003	12/8/2011	3	12/8/2014
YC26111	ULTRA	86	Tom Morgan - 100%.	12/8/2003	12/8/2011	3	12/8/2014
YC26112	ULTRA	87	Tom Morgan - 100%.	12/8/2003	12/8/2011	3	12/8/2014
YC26113	ULTRA	88	Tom Morgan - 100%.	12/8/2003	12/8/2011	3	12/8/2014
YC26114	ULTRA	89	Tom Morgan - 100%.	12/8/2003	12/8/2011	3	12/8/2014
YC26115	ULTRA	90	Tom Morgan - 100%.	12/8/2003	12/8/2011	3	12/8/2014
YC26239	ULT	21	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014

Grant Number	Claim Name	Claim No.	Claim Owner	Operation Rec. Date	Expiry Date	Renewal Years	Renewal Date
YC26240	ULT	22	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26241	ULT	23	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26242	ULT	24	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26243	ULT	25	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26244	ULT	26	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26245	ULT	27	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26246	ULT	28	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26247	ULT	29	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26248	ULT	30	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26249	ULT	31	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26250	ULT	32	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26251	ULT	33	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26252	ULT	34	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26253	ULT	35	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26254	ULT	36	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26255	ULT	37	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26256	ULT	38	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26257	ULT	39	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26258	ULT	40	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26259	ULT	41	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26260	ULT	42	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26261	ULT	43	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26262	ULT	44	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26263	ULT	45	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26264	ULT	46	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26265	ULT	47	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26266	ULT	48	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26267	ULT	49	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26268	ULT	50	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26269	ULT	51	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26270	ULT	52	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26271	ULT	53	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26272	ULT	54	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26273	ULT	55	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26274	ULT	56	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26275	ULT	57	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26276	ULT	58	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26277	ULT	59	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26278	ULT	60	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26279	ULT	61	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26280	ULT	62	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26281	ULT	63	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26282	ULT	64	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26283	ULT	65	Tom Morgan - 100%.	2/11/2004	2/11/2010	2	2/11/2012
YC26284	ULT	66	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26285	ULT	67	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26286	ULT	68	Tom Morgan - 100%.	2/11/2004	2/11/2010	0	2/11/2010
YC26287	ULT	69	Tom Morgan - 100%.	2/11/2004	2/11/2010	0	2/11/2010
YC26288	ULT	70	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26289	ULT	71	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26290	ULT	72	Tom Morgan - 100%.	2/11/2004	2/11/2010	0	2/11/2010
YC26291	ULT	73	Tom Morgan - 100%.	2/11/2004	2/11/2010	0	2/11/2010
YC26292	ULT	74	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26293	ULT	75	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26294	ULT	76	Tom Morgan - 100%.	2/11/2004	2/11/2010	0	2/11/2010
YC26295	ULT	77	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26296	ULT	78	Tom Morgan - 100%.	2/11/2004	2/11/2010	0	2/11/2010
YC26297	ULT	79	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26298	ULT	80	Tom Morgan - 100%.	2/11/2004	2/11/2010	0	2/11/2010
YC26299	ULT	81	Tom Morgan - 100%.	2/11/2004	2/11/2010	0	2/11/2010
YC26300	ULT	82	Tom Morgan - 100%.	2/11/2004	2/11/2010	0	2/11/2010

Grant Number	Claim Name	Claim No.	Claim Owner	Operation Rec. Date	Expiry Date	Renewal Years	Renewal Date
YC26301	ULT	83	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26302	ULT	84	Tom Morgan - 100%.	2/11/2004	2/11/2008	4	2/11/2010
YC26303	ULT	85	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26304	ULT	86	Tom Morgan - 100%.	2/11/2004	2/11/2008	4	2/11/2010
YC26305	ULT	87	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26306	ULT	88	Tom Morgan - 100%.	2/11/2004	2/11/2008	4	2/11/2010
YC26307	ULT	89	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26308	ULT	90	Tom Morgan - 100%.	2/11/2004	2/11/2008	4	2/11/2010
YC26309	ULT	91	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26310	ULT	92	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26311	ULT	93	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26312	ULT	94	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26313	ULT	95	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26314	ULT	96	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26315	ULT	97	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26316	ULT	98	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26317	ULT	99	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26318	ULT	100	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26319	ULT	101	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26320	ULT	102	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26321	ULT	103	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26322	ULT	104	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26323	ULT	105	Tom Morgan - 100%.	2/11/2004	2/11/2010	2	2/11/2010
YC26324	ULT	106	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26325	ULT	107	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26326	ULT	108	Tom Morgan - 100%.	2/11/2004	2/11/2010	2	2/11/2012
YC26327	ULT	109	Tom Morgan - 100%.	2/11/2004	2/11/2010	2	2/11/2012
YC26328	ULT	110	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26329	ULT	111	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26330	ULT	112	Tom Morgan - 100%.	2/11/2004	2/11/2010	2	2/11/2012
YC26331	ULT	113	Tom Morgan - 100%.	2/11/2004	2/11/2010	2	2/11/2012
YC26332	ULT	114	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26333	ULT	115	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26334	ULT	116	Tom Morgan - 100%.	2/11/2004	2/11/2010	2	2/11/2012
YC26335	ULT	117	Tom Morgan - 100%.	2/11/2004	2/11/2010	2	2/11/2012
YC26336	ULT	118	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26337	ULT	119	Tom Morgan - 100%.	2/11/2004	2/11/2010	2	2/11/2012
YC26338	ULT	120	Tom Morgan - 100%.	2/11/2004	2/11/2010	4	2/11/2014
YC26339	ULT	121	Tom Morgan - 100%.	2/11/2004	2/11/2008	4	2/11/2012
YC26340	ULT	122	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26341	ULT	123	Tom Morgan - 100%.	2/11/2004	2/11/2008	4	2/11/2012
YC26342	ULT	124	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26343	ULT	125	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26344	ULT	126	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26345	ULT	127	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26346	ULT	128	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26347	ULT	129	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26348	ULT	130	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26349	ULT	131	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26350	ULT	132	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26351	ULT	133	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26352	ULT	134	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26353	ULT	135	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26354	ULT	136	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26355	ULT	137	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26356	ULT	138	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26357	ULT	139	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26358	ULT	140	Tom Morgan - 100%.	2/11/2004	2/11/2008	2	2/11/2010
YC26359	ULT	8	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26360	ULT	9	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014

Grant Number	Claim Name	Claim No.	Claim Owner	Operation Rec. Date	Expiry Date	Renewal Years	Renewal Date
YC26361	ULT	10	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26362	ULT	11	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26363	ULT	12	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26364	ULT	13	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26365	ULT	14	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26366	ULT	15	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26367	ULT	16	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26368	ULT	17	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26369	ULT	18	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26370	ULT	19	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26371	ULT	20	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26372	ULT	21	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26373	ULT	142	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26374	ULT	143	Tom Morgan - 100%.	2/13/2004	2/13/2009	4	2/13/2013
YC26375	ULT	144	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26376	ULT	145	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26377	ULT	146	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26378	ULT	147	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26379	ULT	148	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26380	ULT	149	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26381	ULT	150	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26382	ULT	151	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26383	ULT	152	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26384	ULT	153	Tom Morgan - 100%.	2/13/2004	2/13/2010	1	2/13/2011
YC26385	ULT	154	Tom Morgan - 100%.	2/13/2004	2/13/2010	1	2/13/2011
YC26386	ULT	155	Tom Morgan - 100%.	2/13/2004	2/13/2008	2	2/13/2010
YC26387	ULT	156	Tom Morgan - 100%.	2/13/2004	2/13/2008	2	2/13/2010
YC26388	ULT	157	Tom Morgan - 100%.	2/13/2004	2/13/2008	2	2/13/2010
YC26389	ULT	158	Tom Morgan - 100%.	2/13/2004	2/13/2008	2	2/13/2010
YC26390	ULT	159	Tom Morgan - 100%.	2/13/2004	2/13/2008	2	2/13/2010
YC26391	ULT	160	Tom Morgan - 100%.	2/13/2004	2/13/2008	2	2/13/2010
YC26392	ULT	161	Tom Morgan - 100%.	2/13/2004	2/13/2008	2	2/13/2010
YC26393	ULT	162	Tom Morgan - 100%.	2/13/2004	2/13/2008	2	2/13/2010
YC26394	ULT	163	Tom Morgan - 100%.	2/13/2004	2/13/2008	2	2/13/2010
YC26395	ULT	164	Tom Morgan - 100%.	2/13/2004	2/13/2008	2	2/13/2010
YC26396	ULT	165	Tom Morgan - 100%.	2/13/2004	2/13/2008	2	2/13/2010
YC26397	ULT	166	Tom Morgan - 100%.	2/13/2004	2/13/2008	2	2/13/2010
YC26398	ULT	167	Tom Morgan - 100%.	2/13/2004	2/13/2008	2	2/13/2010
YC26399	ULT	168	Tom Morgan - 100%.	2/13/2004	2/13/2008	2	2/13/2010
YC26400	ULT	169	Tom Morgan - 100%.	2/13/2004	2/13/2008	2	2/13/2010
YC26401	ULT	170	Tom Morgan - 100%.	2/13/2004	2/13/2008	2	2/13/2010
YC26402	ULT	171	Tom Morgan - 100%.	2/13/2004	2/13/2008	2	2/13/2010
YC26403	ULT	172	Tom Morgan - 100%.	2/13/2004	2/13/2008	2	2/13/2010
YC26404	ULT	173	Tom Morgan - 100%.	2/13/2004	2/13/2008	2	2/13/2010
YC26405	ULT	174	Tom Morgan - 100%.	2/13/2004	2/13/2008	2	2/13/2010
YC26406	ULT	175	Tom Morgan - 100%.	2/13/2004	2/13/2008	2	2/13/2010
YC26407	ULT	176	Tom Morgan - 100%.	2/13/2004	2/13/2008	2	2/13/2010
YC26408	JEN	1	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26409	JEN	2	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26410	JEN	3	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26411	JEN	4	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26412	JEN	5	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26413	JEN	6	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26414	JEN	7	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26415	JEN	8	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26416	JEN	9	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26417	JEN	10	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26418	JEN	11	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26419	JEN	12	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26420	JEN	13	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26421	JEN	14	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26422	JEN	15	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014

Grant Number	Claim Name	Claim No.	Claim Owner	Operation Rec. Date	Expiry Date	Renewal Years	Renewal Date
YC26423	JEN	16	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26424	JEN	17	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26425	JEN	18	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26426	JEN	19	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26427	JEN	20	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26428	JEN	21	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26429	JEN	22	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26430	JEN	23	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26431	JEN	24	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26432	JEN	25	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26433	JEN	26	Tom Morgan - 100%.	2/13/2004	2/13/2008	4	2/13/2012
YC26434	JEN	27	Tom Morgan - 100%.	2/13/2004	2/13/2008	4	2/13/2012
YC26435	JEN	28	Tom Morgan - 100%.	2/13/2004	2/13/2008	4	2/13/2012
YC26436	JEN	29	Tom Morgan - 100%.	2/13/2004	2/13/2008	4	2/13/2012
YC26437	JEN	30	Tom Morgan - 100%.	2/13/2004	2/13/2008	4	2/13/2012
YC26438	JEN	31	Tom Morgan - 100%.	2/13/2004	2/13/2008	4	2/13/2012
YC26439	JEN	32	Tom Morgan - 100%.	2/13/2004	2/13/2008	4	2/13/2012
YC26440	JEN	33	Tom Morgan - 100%.	2/13/2004	2/13/2008	4	2/13/2012
YC26441	JEN	34	Tom Morgan - 100%.	2/13/2004	2/13/2008	4	2/13/2012
YC26442	JEN	35	Tom Morgan - 100%.	2/13/2004	2/13/2008	4	2/13/2012
YC26443	JEN	36	Tom Morgan - 100%.	2/13/2004	2/13/2008	4	2/13/2012
YC26444	JEN	37	Tom Morgan - 100%.	2/13/2004	2/13/2008	4	2/13/2012
YC26445	JEN	38	Tom Morgan - 100%.	2/13/2004	2/13/2008	4	2/13/2012
YC26446	JEN	39	Tom Morgan - 100%.	2/13/2004	2/13/2008	4	2/13/2012
YC26447	JEN	40	Tom Morgan - 100%.	2/13/2004	2/13/2008	4	2/13/2012
YC26448	JEN	120	Tom Morgan - 100%.	2/13/2004	2/13/2010	4	2/13/2014
YC26449	JEN	251	Tom Morgan - 100%.	2/13/2004	2/13/2008	4	2/13/2012
YC26450	JEN	136	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26451	JEN	137	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26452	JEN	138	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26453	JEN	139	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26454	JEN	140	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26455	JEN	141	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26456	JEN	142	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26457	JEN	143	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26458	JEN	144	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26459	JEN	145	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26460	JEN	146	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26461	JEN	147	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26462	JEN	148	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26463	JEN	149	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26464	JEN	150	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26465	JEN	151	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26466	JEN	152	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26467	JEN	153	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26468	JEN	154	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26469	JEN	155	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26470	JEN	156	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26471	JEN	157	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26472	JEN	158	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26473	JEN	159	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26474	JEN	160	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26475	JEN	161	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26476	JEN	162	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26477	JEN	163	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26478	JEN	164	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26479	JEN	165	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC26480	JEN	166	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010

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YC26481	JEN	167	Tom Morgan - 100%.	2/13/2004	2/13/2010	0	2/13/2010
YC40233	ULT	177	Klondike Gold Corp. - 100%.	9/13/2005	12/8/2010	4	12/8/2014
YC40234	ULT	178	Klondike Gold Corp. - 100%.	9/13/2005	12/8/2010	4	12/8/2014
YC40235	ULT	179	Klondike Gold Corp. - 100%.	9/13/2005	12/8/2010	4	12/8/2014
YC40236	ULT	180	Klondike Gold Corp. - 100%.	9/13/2005	12/8/2010	4	12/8/2014
YC40237	ULT	181	Klondike Gold Corp. - 100%.	9/13/2005	12/8/2010	4	12/8/2014
YC40238	ULT	182	Klondike Gold Corp. - 100%.	9/13/2005	12/8/2010	4	12/8/2014
YC40239	ULT	183	Klondike Gold Corp. - 100%.	9/13/2005	12/8/2010	4	12/8/2014
YC40240	ULT	184	Klondike Gold Corp. - 100%.	9/13/2005	12/8/2010	4	12/8/2014
YC40241	ULT	185	Klondike Gold Corp. - 100%.	9/13/2005	12/8/2010	4	12/8/2014
YC40242	ULT	186	Klondike Gold Corp. - 100%.	9/13/2005	12/8/2010	4	12/8/2014
YC40243	ULT	187	Klondike Gold Corp. - 100%.	9/13/2005	12/8/2010	4	12/8/2014
YC40244	ULT	188	Klondike Gold Corp. - 100%.	9/13/2005	12/8/2010	4	12/8/2014
YC40245	ULT	189	Klondike Gold Corp. - 100%.	9/13/2005	12/8/2010	4	12/8/2014
YC40246	ULT	190	Klondike Gold Corp. - 100%.	9/13/2005	12/8/2010	4	12/8/2014
YC40247	ULT	191	Klondike Gold Corp. - 100%.	9/13/2005	12/8/2010	4	12/8/2014
YC40248	ULT	192	Klondike Gold Corp. - 100%.	9/13/2005	12/8/2010	4	12/8/2014
YC40314	ULT	193	Klondike Gold Corp. - 100%.	9/29/2005	9/29/2006	4	9/29/2010
YC40315	ULT	194	Klondike Gold Corp. - 100%.	9/29/2005	9/29/2006	4	9/29/2010
YC40316	ULT	195	Klondike Gold Corp. - 100%.	9/29/2005	9/29/2006	4	9/29/2010
YC40317	ULT	196	Klondike Gold Corp. - 100%.	9/29/2005	9/29/2006	4	9/29/2010
YC40318	ULT	197	Tom Morgan - 100%.	9/29/2005	9/29/2006	4	9/29/2010
YC40319	ULT	198	Tom Morgan - 100%.	9/29/2005	9/29/2006	4	9/29/2010
YC40320	ULT	199	Tom Morgan - 100%.	9/29/2005	9/29/2006	4	9/29/2010
YC40321	ULT	200	Tom Morgan - 100%.	9/29/2005	9/29/2006	4	9/29/2010
YC40322	ULT	201	Tom Morgan - 100%.	9/29/2005	9/29/2006	4	9/29/2010
YC40323	ULT	202	Tom Morgan - 100%.	9/29/2005	9/29/2006	4	9/29/2010
YC40324	ULT	203	Tom Morgan - 100%.	9/29/2005	9/29/2006	4	9/29/2010
YC40325	ULT	204	Tom Morgan - 100%.	9/29/2005	9/29/2006	4	9/29/2010
YC40326	ULT	205	Tom Morgan - 100%.	9/29/2005	9/29/2006	4	9/29/2010
YC40327	ULT	206	Tom Morgan - 100%.	9/29/2005	9/29/2006	4	9/29/2010
YC40328	ULT	207	Tom Morgan - 100%.	9/29/2005	9/29/2006	4	9/29/2010
YC40329	ULT	208	Tom Morgan - 100%.	9/29/2005	9/29/2006	4	9/29/2010
YC40368	ULT	206	Klondike Gold Corp. - 100%.	10/5/2005	10/5/2006	4	10/5/2010
YC40369	ULT	207	Klondike Gold Corp. - 100%.	10/5/2005	10/5/2006	4	10/5/2010
YC40370	ULT	208	Klondike Gold Corp. - 100%.	10/5/2005	10/5/2006	5	10/5/2011
YC40371	ULT	209	Klondike Gold Corp. - 100%.	10/5/2005	10/5/2006	5	10/5/2011
YC40372	ULT	210	Tom Morgan - 100%.	10/4/2005	10/4/2006	5	10/5/2011
YC40373	ULT	211	Tom Morgan - 100%.	10/4/2005	10/4/2006	5	10/5/2011
YC40374	ULT	212	Tom Morgan - 100%.	10/4/2005	10/4/2006	5	10/5/2011
YC40375	ULT	213	Tom Morgan - 100%.	10/4/2005	10/4/2006	5	10/5/2011
YC40376	ULT	214	Tom Morgan - 100%.	10/4/2005	10/4/2006	5	10/5/2011
YC40377	ULT	215	Tom Morgan - 100%.	10/4/2005	10/4/2006	5	10/5/2011
YC40378	ULT	216	Tom Morgan - 100%.	10/4/2005	10/4/2006	5	10/5/2011
YC40379	ULT	217	Tom Morgan - 100%.	10/4/2005	10/4/2006	5	10/5/2011
YC53937	VMS	1	Tom Morgan - 100%.	9/13/2006	9/13/2007		
YC53938	VMS	2	Tom Morgan - 100%.	9/13/2006	9/13/2007		
YC53939	VMS	3	Tom Morgan - 100%.	9/13/2006	9/13/2007		
YC53940	VMS	4	Tom Morgan - 100%.	9/13/2006	9/13/2007		
YC53941	VMS	5	Tom Morgan - 100%.	9/13/2006	9/13/2007		
YC53942	VMS	6	Tom Morgan - 100%.	9/13/2006	9/13/2007		
YC53943	VMS	7	Tom Morgan - 100%.	9/13/2006	9/13/2007		
YC53944	VMS	8	Tom Morgan - 100%.	9/13/2006	9/13/2007		
YC53945	VMS	9	Tom Morgan - 100%.	9/13/2006	9/13/2007		
YC53946	VMS	10	Tom Morgan - 100%.	9/13/2006	9/13/2007		
YC53947	VMS	11	Tom Morgan - 100%.	9/13/2006	9/13/2007		
YC53948	VMS	12	Tom Morgan - 100%.	9/13/2006	9/13/2007		

APPENDIX III

Sample Descriptions

ULTRA PROJECT, Yukon Territory
2006 ROCK SAMPLE DESCRIPTIONS and RESULTS

Sampled by J. Pautler

Anomalous results in blue

Au in red in g/t; Cu, Pb, Zn in red in %

SAMPLE NUMBER	LOCATION	NAD 83 EASTING	ZONE 7 NORTHING	TYPE	GEOLOGY	Au ppb	Ag ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm
390001	Frohberg	647520	6753804	rock	carbonate altered ultramafic, bleached med green colour, fine grained TS, WR	<.5	0.1	54.4	33.5	6.2	76
390002	NW of Froh	646448	6756263	rock	green bleached (carbonate altered) gabbro with few % disseminated pyrite	6.0	0.2	19.3	210.1	3.2	35
390003	NW of Froh	646318	6755912	rock	siliceous cherty looking pyitic sediment, possibly silicified limestone 107/40S	2.9	0.2	4.4	8	3.4	9
390004	NW of Froh	646144	6755689	rock	rusty orange, weakly calcareous grit bed or sill with fine disseminated pyrite and pyrite stringers up to 0.7 cm	1.7	0.2	3.3	26.4	12	39
390005	NW of Froh	646393	6754923	rock	black phyllitic siltstone with 2% fine pyrite cut by carbonate altered gabbro dyke (latter sampled by TM)	<.5	0.5	57	204.6	13.1	34
390006	NW of Froh	646460	6754840	rock	white medium grained ultramafic with green serpentine flecks, chalcocite, trace chalcopyrite WR	2.7	<.1	53.9	7.6	2.9	9
390007	NW of Froh	646464	6754847	rock	white medium grained ultramafic with black ultramafic core, 1% chalcopyrite as disseminations and along fractures	107.0	0.9	222.8	530.7	6	32
390008	NW of Froh	646413	6754816	rock	hornfelsed phyllitic siltstone with minor chalcopyrite and pyrrhotite	1.2	0.1	38.4	68.6	3.6	89
390009	NW of Froh	645391	6756684	rock	15 cm rusty weathering quartz-weak carbonate vein with pyritic margins	8.6	<.1	40.7	62.8	1.3	11
390010	NW of Froh	645359	6756561	soil	strong rusty orange talus fines from pyritic alteration zone in basalt outcrop at lower contact of gabbro	12.2	2.8	35.4	194.8	8.4	21
390011	NW of Froh	645330	6756577	soil	fine rusty dark orange-red soil above altered footwall of pyritic gabbro 090/40S	15.3	2.4	29.7	142	11.9	11
390012	NW of Froh	645330	6756577	rock	pyritic gabbro at footwall contact	18.0	0.6	61	131.5	3.6	39
390013	NW of Froh	645328	6756559	rock	malachite stained basalt, trace chalcopyrite	55.5	2.0	52.1	1884.4	1.2	81
390014	NW of Froh	645294	6756536	rock	malachite stained pale-med green coloured, steatitized gabbro with minor chalcopyrite	15.2	0.5	60.5	515.8	3.8	32
390015	NW of Froh	645276	6756538	soil	rusty dark orange-red talus along upper alteration zone of gabbro dyke	13.3	2.5	34.9	166.3	12.2	13
390016	NW of Froh	645477	6756415	soil	med brown B horizon	8.4	0.5	107	207	5.2	35
390017	Silver Creek East	646094	6757658	rock	hbl gabbro dyke trend 340 with fine disseminated pyrite, minor pyrrhotite, chalcopyrite on fractures; cuts metasedimentary rocks	2.0	<.1	109.0	82.1	5	57
390018	Jesse East	640294	6757580	rock	white quartz-carbonate vein trending 20/70N with brecciated margins, minor pyrite in ultramafic host	9.4	0.1	176.3	36.6	3.6	58
390019	Jesse East	640501	6757648	soil	rusty orange-yellow to greenish soil at contact of bedded pyritic seds with pyritic greenstone	7.1	0.3	172.3	182.4	10	221
390020	Jesse East	640478	6757648	soil	med brown talus fines in area of silicified, pyritic mafic volcanics, 10% pyrite	3.8	0.3	180	208.9	20	283
390021	Jesse East	640608	6757704	soil	rusty dark orange soil in zone of pyritic greenstones	30.8	0.2	107	182.3	10	77

ULTRA PROJECT, Yukon Territory
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Au in red in g/t; Cu, Pb, Zn in red in %

SAMPLE NUMBER	LOCATION	NAD 83 EASTING	ZONE 7 NORTHING	TYPE	GEOLOGY	Au ppb	Ag ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm
390022	Jesse East	640333	6757833	rock	10 cm wide pyritic, siliceous zone in greenstone distal exhalite	4.6	0.2	465	69.8	15	21
390023	Out post Mtn.	642668	6758793	rock	hornfelsed metasedimentary rocks with 5% fine pyrite and pyrrhotite	7.4	0.2	33.8	133.7	2	24
390024	Out post Mtn.	642683	6758711	rock	coarse grained diorite with 6% fine pyrite and pyrrhotite	3.1	0.2	43	177.1	1	29
390025	Out post Mtn.	643194	6758005	soil	deep orange-weak greenish clay fault gouge; 15 cm; at contact between diorite and limestone/argillite	3.4	0.4	199	177.5	3	132
390026	Out post Mtn.	643435	6757691	soil	med brown soil at contact between limestone and gabbro dyke	3.9	0.4	58	82.3	6	55
390027	Out post Mtn.	643617	6757728	rock	irregular 2-3m wide hornfelsed to weak skarnified limestone with 5% pyrrhotite	0.5	0.1	1	30.9	1	25
390028	Alteration Creek	650477	6754177	soil	rusty orange-brown C horizon talus fines at minor fault 130/60SW Tertiary basalts and seds	<.5	<.1	35.1	11.4	4	87
390029	Alteration Creek	650488	6754260	soil	rusty orange-brick red clayey C horizon soil exposed by slump; 15 cm; in zone of moderate carbonate on fractures in basalt	<.5	<.1	29.5	25.9	2	46
390030	Alteration Creek	650620	6754575	soil	dark rusty C horizon soil from area of Tertiary basalt neck	2.1	<.1	36	24	2	81
390031	Alteration Creek	650629	6754589	soil	rusty dark brown C from fault zone trending 025/85W, fault breccia; fractures 115/90N; some coal on fractures	1.4	<.1	7	18.4	1.6	102
390032	Alteration Creek	650882	6754887	soil	rusty orange-minor green C from fault zone trending 110/85N with quartz-carbonate stockwork in Tri greenstone	4.5	<.1	92.1	197	1	74
390033	Alteration Creek	648615	6754529	rock	disseminated pyrite in quartz-carbonate-chlorite-sericite altered zones up to 2m wide in massive black chlorite-gypsum-sericite altered Tri greenstone	93.4	0.2	38	94.3	2	32
390034	Bryson	653370	6752035	rock	3-5% disseminated pyrite and pyrrhotite associated with 030/80W fracture system in Tri mafic volcanics proximal to felsic feldspar porphyry dyke @ 155/70SW near ultramafic	15.1	0.1	34.7	53	3	30
390035	Bryson	653394	6752160	rock	minor carbonate stringers and disseminated pyrite in Tri greenstone	4.2	0.2	60.9	122.8	3	61
390036	Bryson	653783	6752393	rock	minor pyrite in serpentinized peridotite	1.4	<.1	41	48.5	1	72
390037	Bryson	654070	6751996	soil	red-grey clayey C horizon soil below silicified, minor brecciated dolomitic seds	1.7	<.1	27	23.5	2	47
390038	Bryson	654175	6752120	rock	minor disseminated pyrite in serpentinized peridotite	1.1	<.1	42	66.4	1	69
390039	Bryson	654464	6751735	rock	1% disseminated pyrite in serpentinized peridotite	0.8	<.1	24.4	30.8	1	37
390040	Jennifer	643317	6756287	rock	Trench 89-1 area grey quartz-carbonate veining with fine pyrite in limestone	8.1	2.0	15	41.4	5	263
390041	Jennifer	643317	6756287	1.5m chip	malachite stained limestone east side Trench 89-1	2.6	7.5	496	256.4	4	5669
390042	Jennifer	643317	6756287	0.5m chip	siliceous limestone with chalcocite, malachite	2.6	0.2	739	22.1	3	4134

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SAMPLE NUMBER	LOCATION	NAD 83 EASTING	ZONE 7 NORTHING	TYPE	GEOLOGY	Au ppb	Ag ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm
390043	Jennifer	643317	6756287	1.5m chip	crushed-crumbly brown oxidized sphalerite rich zone in limestone, west side Trench 89-1	4.1	0.3	1107	30.1	17	525
390044	Silver Creek	643488	6756658	rock	rusty white quartz veins with 3% pyrite to 1.5m in weakly pyritic Tri greenstones	39.6	0.6	62.5	307.8	2	78
390045	Upper Bryson	649387	6751374	soil	talus fines from rusty, pyritic Tri greenstone outcrop with 15% massive pyrite	7.8	0.2	52.8	265.2	6	243
390046	Upper Bryson	649345	6751343	rock	greenstone with 10-15 % semi massive pyrite	3.1	0.5	49.5	713.9	6	1654
390047	Upper Bryson	649403	6751246	rock	chalcopyrite, minor pyrite in quartz veins up to 10 cm wide hosted by Tri greenstone	0.9	0.1	16.0	558.5	1	3048
390048	Upper Bryson	649346	6751295	rock	greenstone with 3-5% disseminated pyrite and chalcopyrite as stringers, laminations and disseminations	8.0	5.1	56.2	1.37%	4	1238
390049	Upper Bryson	649934	6751175	rock	weak carbonate altered gabbro with 5-7% pyrite and minor chalcopyrite; trend 150/80 SW	6.5	0.1	84.8	116	3	39
390050	Bryson East	651367	6750492	rock	quartz-chlorite-sericite-pyrite schist with 5-10% pyrite as laminae and disseminations in greenstone	8.6	4.3	37.2	112.2	608	668
390451	Bryson Creek	651079	6750481	rock	boulders of silicified limestone with pyrite nodules, laminae and fine disseminations, some quartz-carbonate stockwork	6.2	0.3	45.6	225.3	17	540
390452	Jennifer	642576	6755437	1m chip	limestone hanging wall of main vein	1.9	0.2	6.8	36.8	10	31
390453	Jennifer	642576	6755437	0.6m chip	Main Vein zone with quartz veins up to 30 cm with chalcocite, chalcopyrite, spec, malachite, azurite in limestone; trend 080/25W; fractures @ 025/40W, 070/60W	0.9	98.0	9.1	9962.7	296	2541
390454	Jennifer	642576	6755437	1m chip	limestone, +/- brecciated, footwall of main vein with minor quartz stringers with malachite	1.1	0.5	8.9	99.8	5	86
390455	Jennifer	642561	6755431	1.5m chip	four 1-2 cm quartz veinlets with malachite and chalcopyrite, trending 095/40N	<.5	2.4	5.0	350.3	19	233
390456	Jennifer	642561	6755431	rock	limestone footwall of above	<.5	1.8	4.4	269.5	7	179
390457	Jennifer	642564	6755425	0.3m chip	quartz vein, with chalcocite, malachite, azurite in limestone just north of 390458	<.5	16.2	4.3	2017.6	7	318
390458	Jennifer	642564	6755425	1.5m chip	limestone with quartz stringer stockwork; trends 160/50W, 070/30S, 035/25W	1.3	0.4	5.4	72.9	5	25
390459	Jennifer	642564	6755414	2.5m chip	black limestone @ 030/75W, well fractured with series of 1-5 cm wide flat quartz veins @ 060/20N with malachite, azurite, chalcopyrite,cc	2.1	31.3	9.2	3927.9	10	717
390460	S. Jennifer	642513	6755360	1m chip	rusty black phyllitic argillite trending 105/85N with rusty quartz veins along foln to 50 cm wide	<.5	0.5	10.5	51.1	15	117
390461	S. Jennifer	642477	6755377	1m chip	strong rusty black argillite with 1m quartz vein along foln @ contact with limestone	<.5	0.6	17.5	46.4	50	82
390462	E. Jennifer	643070	6755323	0.5m chip	rusty 30 cm quartz vein along foln with pyrite in altered, bleached sericite altered phyllitic siltstone	34.9	0.5	62.4	44.7	7	79

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ULTRA PROJECT, Yukon Territory
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Au in red in g/t; Cu, Pb, Zn in red in %

SAMPLE NUMBER	LOCATION	NAD 83 EASTING	ZONE 7 NORTHING	TYPE	GEOLOGY	Au ppb	Ag ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm
390101	Jesse	639857	6757328	rock	skarn, with pyrrhotite and cross cutting calcite veins, schistose	1.2	<.1	14.9	6.8	1.6	19
390102	Jesse	639713	6757313	rock	skarn like carbonate rock, yellow to dark brown, calcite mineralization	1	0.3	86.8	167.7	7.2	171
390103	Jesse	639780	6757499	rock	decomposed hydrothermally altered calcic schistose siltstone, stockwork of quartz veins, yellow to rusty brown, truncated by minor fault	1	0.1	13.8	44.2	9.4	15
390104	Jesse	639759	6757487	rock	green, grey mafic dyke, disected by quartz veins, euhydral dessiminated pyrite	1.5	0.1	42.2	144.2	1.7	31
390105	Jesse	639592	6757547	rock	contact mafic/shale, disected by parallel quartz vein, dessiminated pyrite	<.5	0.1	1.9	47	4.9	36
390106	Jesse	639601	6757606	rock	basalt like dyke, blobs of sulfide,	<.5	<.1	16.3	82.5	0.6	21
390107	Jesse	639608	6757659	rock	carbone altered pyroxenite, finely dissiminated sulfide,	<.5	<.1	11.6	11.1	1.7	88
390108	Kul	641511	6757772	float	quartz carbonate rock, cubes of pyrite, some epidote,	<.5	0.2	26.0	77.5	22.6	25
390109	Kul	641469	6757747	float	quartzitic argillite, pyrrhotite throughout,	<.5	<.1	3.4	10.9	6.1	9
390110	Kul	641462	6757737	float	maffic dyke, grey, with pyrrhotite cubes and orange rusty weathered surface	<.5	<.1	69.3	54.7	3.7	64
390111	Kul	641372	6757711	rock	orange grey mafic volcanic layers of dissimitated pyrite	0.8	0.4	51.7	108.6	4.1	72
390112	Kul	641304	6757678	rock	greenish orange weathered volcanic, pyrrhotite throughout	<.5	0.2	265.7	99.4	3.5	70
390113	Kul	641274	6757677	rock	rusty greenish black argillite, some pyrite	<.5	5.5	35.9	5368.7	25.7	152
390114	Kul	641167	6757654	rock	carbonate with some quartz vein and pyrite throughout	3	0.7	43.9	423.5	36.3	20
390115	Kul	641130	6757644	rock	decomposed gritstone probably composed of tetrahydrite	20.4	0.6	49.6	149.6	5.4	303
390116	Kul	641130	6757649	rock	carbonate altered volcanics with stockwork of quartz veins contains pyrrhotite and malachite	142.2	13.8	54.9	3573.1	11	493
390117	Kul	641108	6757635	rock	folded argillite with conformable quartz veining, rusty brown	<.5	0.4	16.8	54.5	11.5	36
390118	Kul	641082	6757617	rock	quartz vein fragment in argillitic country rock, white and rusty brown zones	<.5	<.1	17.8	16.6	1.6	29
390119	Kul	641083	6757621	rock	quartz vein hosted by argelite, rusty brown, at contact some pyrrhotite	6.7	<.1	22.1	38.2	7.4	34
390120	Kul	641064	6757568	float	dark green peridotite cross cut by quartz vein, matrix contains pyrite	0.7	0.2	57.9	130.4	4.2	42
390121	Kul	641053	6757529	rock	peridotite with pyrite at contact with cross cutting quartz-carbonate veins	1.9	<.1	49.6	106	1.7	31

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SAMPLE NUMBER	LOCATION	NAD 83 EASTING	ZONE 7 NORTHING	TYPE	GEOLOGY	Au ppb	Ag ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm
390122	Kul	641082	6757497	rock	massive argillite cross cut by quartz calcite vein massive pyrite associated with vein	<.5	0.6	55.6	213.2	405.2	54
390123	Kul	641181	6757505	rock	fine gritstone cross cut by grey carbonaceous quartzite vein and dessiminated pyrite	<.5	<.1	42.5	9.2	1.8	81
390124	Kul	641238	6757492	rock	quartz vein stockwork in argillite orange rusty brown, some pyrite	<.5	<.1	17.9	26.4	7.4	118
390125	Kul	641367	6757533	float	carbonate altered volcanic greenish cross cut by quartz carbonate vein with some pyrite	<.5	<.1	332.4	41.2	1.8	42
390126	Kul	641569	6757608	float	rusty brown quartz crystals in contact to hosting argillite pyrrhotite scattered throghout, circa 30m uphill from 390125	0.6	0.3	6.5	11.1	1.9	17
390127	Kul	641679	6757636	rock	rusty orange quartz vein fragment with traces of malacite hosted in argillite	7.4	<.1	38.3	7	4.3	96
390128	Kul	641791	6757653	rock	limestone, rusty brown, manganes stained pyrroxenite outcrop 30m away to north	<.5	51.6	123.8	216.1	23.9	2817
390129	Kul	641858	6757657	rock	carbonate quartz vein	3	1.2	389.7	262.6	2.6	130
390130	Kul	645118	6756430	rock	orange grey carbonate dyke cross cutted by quartz vein with chalcopyrite	151.2	2.2	49.0	480.1	11.1	162
390131	3 km NW of Froh	645143	6756451	float	fine grain gabbro some malachite stains and pyrite, source of float 30 meters above	3.7	<.1	40.9	135.6	0.8	62
390132	3 km NW of Froh	645217	6756384	rock	gabbro with some chalcopyrite carbonate quartz vein cross cutting	0.7	<.1	36.7	128.3	0.6	66
390133	3 km NW of Froh	645218	6756358	rock	altered gabbro cross cut by calcite vein rusty brown to yellow white coating	1.2	<.1	68.0	64.5	0.5	73
390134	3 km NW of Froh	644986	6755840	rock	altered argillite lots of yellow orange hematite along foliation plane in a band, pyrite in matrix	<.5	0.4	13.6	19.8	9.9	24
390135	3 km NW of Froh	644993	6755823	rock	pebble conglomerate with pyrite dissiminated	0.8	<.1	19.7	20.3	6.9	48
390136	4 km W of Tell	642782	6753418	float	black brown volcanic, lots of well developed pyrite, float in felsenmeer	1.7	0.2	71.7	185.8	0.6	48
390137	4 km W of Tell	642777	6753434	rock	black green gabbro, pyrite well crystallized throughout	18.6	<.1	14.2	130	0.7	43
390138	4 km W of Tell	642753	6753478	rock	pegmatic gabbro, with some carbonate bands in ash brown segregation containing malachite	3.7	0.3	56.1	913.6	0.5	49
390139	4 km W of Tell	642652	6753566	rock	gabbro, rusty layer loaded with pyrite, rusty greenish black	0.9	<.1	16.9	120	0.6	43
390140	4 km W of Tell	642551	6753444	rock	gabbro with green black plagioclase, rusty stained	0.6	<.1	4.6	32.2	0.7	70

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SAMPLE NUMBER	LOCATION	NAD 83 EASTING	ZONE 7 NORTHING	TYPE	GEOLOGY	Au ppb	Ag ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm
390141	4 km W of Tell	642530	6753408	rock	rusty brown gabbro, pyrite throughout, carbonate fillings in joints and fractures	<.5	<.1	3.4	36.5	0.5	53
390142	4 km W of Tell	642511	6753424	rock	black gabbro with dark rusty brown zones of pyrite	2	<.1	4.4	40.8	0.4	63
390143	4 km W of Tell	642511	6753407	rock	gabbro cross cut by carbonate veinlets some chromite	0.8	<.1	4.4	46.7	1	77
390144	4 km W of Tell	642463	6753577	rock	greenish black gabbro with pegmatic amphiboles crystallized pyrite throghout	<.5	<.1	3.2	38	0.4	77
390145	4 km W of Tell	642204	6753567	rock	black banded gabbro with quartz, amphiboles	<.5	<.1	10.4	51	0.3	60
390146	Tell	646250	6753804	rock	rusty brown massive sulfides with azurite and malachite	225.1	44.4	29.4	13.41%	59.8	564
390147	Jennifer Zn	643295	6756293	grab	limestone with pyrite rusty brown, and malachite stained	128.7	2.6	185.3	228.1	196.3	1.72%
390148	Jennifer Zn	643291	6756286	2m chip	from trench, limestone rusty brown with pyrite, Pit 89-1	27.1	0.8	112.0	20	52.7	1402
390149	Jennifer Zn	643330	6756308	2m chip	malachitic limestone , grey orange with malachite coating, small parts of rusty brown pyrite	0.5	18.6	20.6	544.3	1.8	1.94%
390150	Tell	646234	6753848	rock	rusty brown pyritic volcanic in contact to alturation zone	<.5	0.1	35	158.5	3.3	115
390151	Tell	646222	6753854	rock	massive pyrite metallic grey, heavy fracture part of thirty cm wide band, between massive volcanics and schistose volcanics	48.0	37.3	28	1.295%	223.0	3819
390152	Tell	646121	6753785	rock	rusty brown manganese stained altered volcanic, pyrite in blobs	<.5	<.1	11	73.9	1.9	131
390153	Tell	645965	6753935	rock	quartz vein rock fragment white to rusty brown	1.9	0.5	24	216.0	3.6	97
390154	Tell	645934	6753925	rock	greenish black volcanic with crystalline pyrite	<.5	<.1	11	58.7	0.5	57
390155	Tell	645895	6753935	rock	quartz vein fragment of ten centimeter quartz vein cross cutting volcanic rock containing pyrite	<.5	<.1	32	119.5	0.5	40
390156	SE of Tell	647637	6752195	float	massive pyritic volcanic	<.5	<.1	9	58.7	0.9	43
390157	SE of Tell	647911	6752441	1.5m chip	rusty brown, basaltic intrusion cross cutting gabbro with chalcopyrite throughout	1.6	<.1	9	113.7	0.6	22
390158	SE of Tell	648005	6752536	rock	rusty stained gabbro with carbonate vein some pyrite crystals	<.5	<.1	30	62.0	2.4	53
390159	Tell	646156	6753792	rock	malachite stained rusty volcanic also epidote, chip sample	<.5	<.1	20	511.4	0.6	66
390160	Tell	646220	6753849	2m chip	fractured volcanics, hanging wall to massive sulphides	5.0	0.4	44	157.6	16.0	355
390161	Tell	646212	6753855	2m chip	adjacent to alteration zone in competent rusty volcanics	4.5	0.2	47	520.8	4.1	337

Sampled by T. Morgan

ULTRA PROJECT, Yukon Territory
2006 ROCK SAMPLE DESCRIPTIONS and RESULTS

Anomalous results in blue

Au in red in g/t; Cu, Pb, Zn in red in %

SAMPLE NUMBER	LOCATION	NAD 83 EASTING	ZONE 7 NORTHING	TYPE	GEOLOGY	Au ppb	Ag ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm
390051	NW of Froh	646393	6754928	rock	carbonate altered marginal gabbro with minor pyrrhotite at sediment contact along NE edge of peridotite body	1.1	0.4	66	258.1	5	54
390052	NW of Froh	645030	6756898	rock	Quartz vein in mafic volcanics with pyrite	7.5	0.2	52	130.1	1.9	4
390053	NW of Froh	645125	6756771	rock	Massive to stockworked pyrite in limestone along edge of mafic volcanics	7.2	1.1	121.2	13.3	11.2	27
390054	NW of Froh	645038	6756783	rock	Massive to disseminated pyrite in mafic volcanics	24.3	1.3	90.5	66.2	5.4	33
390055	NW of Froh	645044	6756782	rock	Chalcopyrite, malachite, azurite in quartz vein hosted in mafic volcanics 20m from cooked up limestone	5.9	4.4	20.9	7125.6	1	28
390056	NW of Froh	645044	6756782	rock	Pyritic blebs 3-5cm wide in mafic volcanics next to quartz vein	22.6	1.1	94.3	202	5.8	47
390057	Silver Creek East	646360	6758454	rock	Mafic volcanics contact with limestone seds pyrite/ chalcopyrite/ malachite in blebs 5cm and disseminations	40.9	0.6	358.7	1636.6	2.3	14
390058	Tell	646323	6753684	grab	Trench 06-1 to -2 area; massive 5cm wide layers at lower end of Telluride showing @2500m with pyrite and minor calco/sphalerite	41.0	6.8	6	458.2	74.7	1273
390059	Tell	646312	6753742	0.4m chip	Trench 06-4 area; massive lense of sulfide 30m along strike to north from 058 mostly pyrite	92.2	34.7	55	6857.2	962.6	6.15
390060	Tell	646269	6753767	grab	50m NW of 390059; volcanic outcrop in fault zone between 0059 and 0060 massive sulfide samples	9.6	2.9	47.7	4426.2	16.2	405
390061	Tell	646256	6753795	0.75m chip	30m N of 390060; massive sulfide lense 40m north of last showing of massive along faulted of continuation off strike slip	250.4	56.0	30.7	7.65	142.7	3088
390062	Tell	646260	6753804	4m chip	30m N of 390060; massive sulfide 25m from 0061 along local stike with chalcopyrite and sphalerite	145.3	17.8	12	3.23	144.9	6.75
390063	Tell	646260	6753804	grab	peridotite from outcrop with disseminated sulfide and serpentinite	14.8	1.7	727.8	2390.6	4.7	227
390064	Tell	646260	6753804	grab	silicified contact material between peridotite and volcanics with purite chalco min	3.2	0.4	60.9	631.3	4.8	880
390065	Tell	646260	6753804	1m chip	across peridotite limestone contact massive pyrite	1.3	0.4	689.9	428.2	3.9	82
390066	3 km NW of Froh	644824	6756454	grab	outcrop of pyritic green volcanics	0.8	<.1	5.7	162.2	1.3	62
390067	3 km NW of Froh	645002	6755885	grab	pyritic volcanic	19.5	0.2	24.6	81.1	1.5	20
390068	3 km NW of Froh	645002	6755885	grab	outcrop of pyritic green volcanic	4.6	0.1	55.9	64.9	1.8	107
390069	3 km NW of Froh	644969	6755458	0.5m chip	chalcopyrite in siltstone shale layers	1.6	1.7	55.8	1614.1	15.7	77
390070	4 km W of Tell	642807	6753565	grab	pyritic contact material between green volcanics and carbonates	3.4	<.1	13.2	115.7	0.6	22
390071	4 km W of Tell	642751	6753803	grab	pyritic gabbro at contact with green volcanics	0.8	<.1	32.3	36.4	0.4	26

Sampled by T. Morgan

ULTRA PROJECT, Yukon Territory
2006 ROCK SAMPLE DESCRIPTIONS and RESULTS

Anomalous results in blue

Au in red in g/t; Cu, Pb, Zn in red in %

SAMPLE NUMBER	LOCATION	NAD 83 EASTING	ZONE 7 NORTHING	TYPE	GEOLOGY	Au ppb	Ag ppm	Ni ppm	Cu ppm	Pb ppm	Zn ppm
390072	4 km W of Tell	642715	6753837	grab	pyritic gabbro at contact with green volcanics some calco and epidote	71.0	0.3	17	15.6	2.8	35
390073	4 km W of Tell	642918	6753810	grab	pyritic quartz vein material at contact with gabbro and limy seds	12.7	0.8	8.9	1318	2	10
390074	4 km W of Tell	642652	6754144	grab	pegmatitic gabbro material at contact with limy seds	6.1	0.1	38.1	177	1.2	53
390075	Tell	646093	6753809	grab	disseminated pyrite-malachite in sheared volcanics near peak	32.7	10.0	441.7	485.1	24	6.07
390076	Tell	646093	6753809	grab	Disseminated pyrite-chalcopyrite-malachite in volcanics taken at old sample site ULT-21-R-039 in feeder zone	1.2	<.1	45.9	1982.6	1	599
390077	Bryson Creek	651367	6750492	grab	trace malachite in rusty sericite altered greenstone	6.7	1.8	79	295	190	2214
390078	Nunatak	648715	6751708	2m chip	footwall material along shear with malachite and chalcocite sample	1.4	0.1	63.7	796.3	3.0	358.0
390079	Nunatak	648715	6751708	3m chip	massive to stringer pyrite calchopyrite developed in main shear in volcanics	13.6	7.2	27.9	11.539	30.0	1514.0
390080	SE of Tell	649472	6752279	grab	pyrite-epidote in green volcanics on glacial flats at head on Bryson Cr	9.3	0.2	120.7	139.4	19.5	20.0
390081	W of upper Bryson	649288	6751380	1m chip	hanging wall stringer pyrite malachite 35m west of main shear sulfide zone	27.5	1.3	37.9	347.9	56.6	357.0
390082	W of upper Bryson	649290	6751414	2m chip	footwall sample of malachite chalcocite in altered volcanic	50.9	4.3	39.2	2.341	49.1	197.0
390083	W of upper Bryson	649290	6751414	3m chip	massive to stringer pyrite chalcopyrite in sheared volcanics of main shear	8.7	0.5	66.1	6171.7	10.6	1746.0
390084	W of upper Bryson	649478	6751239	1m chip	massive to stringer pyrite in sheared volcanic	0.5	0.4	40.3	4208	1.1	384.0
390085	W of upper Bryson	649419	6751216	0.5m chip	malachite pyrite in sheared volcanic	9.7	10.2	19.1	5.348	4.2	651.0
390086	W of upper Bryson	649380	6751211	grab	massive chalcopyrite 5cm wide in sheared volcanic along footwall of quarrtz vein	<.5	0.1	4.6	2694.3	0.2	148.0
390087	W of upper Bryson	649380	6751211	0.5m chip	sample of pyritic malachite stained quartz vein	44.1	6.1	29.5	333.4	5.4	26.0
390088	Tell LZ	646309	6753935		Helipad on Telluride						

APPENDIX IV

Geochemical Procedure and Results

Acme Analytical Laboratories Ltd.
GEOCHEMICAL PROCEDURES

SAMPLE PREPARATION

SOIL, SEDIMENT AND VEGETATION SAMPLES
SS80 Dry at 60°C, sieve (up to) 100 g to -80 mesh

ROCK AND DRILL CORE
R150 Crush **1 kg** to 70% passing 10 mesh, split 250 g and pulverize to 95% passing 150 mesh

GROUP 1DX: ICP & ICP-MS ANALYSIS – AQUA REGIA

Sample splits of 0.5g are leached in hot (95°C) Aqua Regia. A larger split size (30g) is used for more representative Au analysis. Refractory and graphitic samples can limit Au solubility. Solubility of some elements* will be limited by mineral species present. A total of 36 elements are assayed in the ICP-MS analysis.

*** Al, B, Ba, Ca, Cr, Fe, Ga, Hg‡ K, La, Mg, Mn, Na, Sr, Th, Ti, Tl‡ U, V, W,**

GROUP 3B-MS AU & PGMS BY FIRE GEOCHEM

A lead-collection fire-assay 30g fusion for total sample decomposition, digestion of the Ag dore bead and ICP-MS (Group 3B-MS) analysis. Group 6 precious metals assay recommended for Au or PGMs over 1000 ppb.

Group 3B-MS Detection Limits
Au 1 ppb, **Pt** 0.1 ppb, **Pd** 0.5 ppb, **(Rh)** (0.1 ppb)

Au* detection limit may vary due to natural contamination in commercial flux and sample size.
(Rh) available at client's request, results are qualitative to semi-quantitative depending on nature of samples.
Note: Sulphide-rich samples require a 15g or smaller sample for proper fusion.

GROUP 6 PRECIOUS METALS ASSAY BY FIRE ASSAY

Highly precise determinations for Au, Ag, Pt and Pd by classical lead-collection fire assay on a 1 assay ton sample (29.2 g). Massive sulphide or Cr-rich matrix will require a reduced sample weight. Analysis is by ICP-ES after digestion of the dore bead.

GROUP 7 MULTI-ELEMENT ASSAY BY ICP AND ICP-MS

The following multi-element assays provide optimum precision and accuracy for high-grade rock and drill core samples with a selection of digestion methods to best suit the ore type. Groups 7AR, 7TD and 7PF report %-level concentrations as determined by ICP emission spectrometry. Two new packages (Groups 7AX and 7TX) combine both ICP emission spectrometry and ICP mass spectrometry analysis to extend the lower detection limits and provide a broader spectrum of elements.

Group 7AR – Hot aqua regia digest on a 1 g split for base-metal sulphide and precious- metal ores. ICP-ES analysis.

Appropriate standards and repeat sample (Quality Control components) accompany the samples on the data sheet.

Mobile Metal Ion

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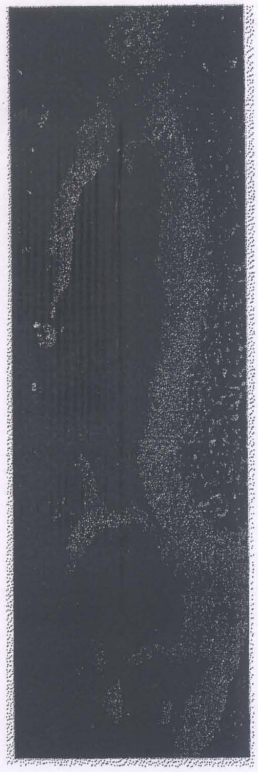

MMI Operations Manual

For

Mobile Metal Ion Geochemical Soil Surveys

Version 4.98

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Commercial in Confidence

10.1 MMI Response Ratios

To maximize the benefits from MMI analytical data, it is recommended that for each element, a background for the data is calculated, using (say) the lowest quartile of the data. Then a peak to background ratio (**response ratio**) is calculated for each element for each sample. A simple work sheet on MMI Response Ratios is included in Appendix I.

Response ratios provide a number of benefits for interpretation:

- Reduce the effects of dissolution variables during extraction, for example time and temperature;
- Allow the splicing of different data batches or data from varying regolith situations;
- Reduce the effects of sampling in different regolith units; and
- Facilitate multi-element data presentations for interpretation.

Before presenting MMI data in any graphical form, individual element response ratios are calculated for each sample. The concept of response ratios is simple: it involves determining a background value for each element in a survey area and ratioing all the data to that background. In more detail:

Determining the Background

- Select an element, for example Au, and determine the lowest 25% of the data for all the samples analysed in the survey area.

- Any values less than the detection limit need to be included and a value half of the detection limit should be substituted as an estimate value (based on scientific reports). For example, if Au has a detection limit of 0.25 ppb, any sample that analysed below this should be given a substituted value of 0.125 ppb.

- After determining the lowest quartile (25%) of the data, the average of these values is then calculated. This is the BACKGROUND value for that element within the specific dataset of a survey area.

Calculating MMI Response Ratios

- Response ratios are calculated by dividing each sample value by the predetermined background value for that element. The numbers are then rounded to give whole numbers greater than or equal to one (1).

- A sample with a response ratio of 2, or less, is considered low and is a background sample. Samples with response ratios greater than 5 could be considered significant depending upon the regolith/landform characteristics of the area and the sample spacing used for the survey. *Note however, that due to the greater contrast inherent in the MMI technique, response ratios in general need to be greater than 2-5 times background before being considered "anomalous".* If composite sampling has been employed then response ratios greater than 5 may be highly significant. Obviously, this may change depending upon the overall distribution and magnitude of response ratios in an area. For example, some areas may have anomalous Au values at 10 (RR) whereas for an another area the anomalous Au values may be those samples with a response ratio greater than 20.

Additional advantages of using response ratios are:

1. The effective application of MMI Response ratios relies upon correct determination of the background for the survey area. It is important that the survey area covers sufficient ground and has not just been conducted over a mineralized sequence. Correct determination of the background and ratioing of all the data to that value helps distinguish between those samples which are anomalous and those which are not. With MMI we are not looking at the absolute value of an element (for example Au) in a sample as it is a partial extraction technique. Instead, we are interested in the relative difference between background samples and those which are anomalous and which may overlie mineralization.

2. Response Ratio data is in a uniform format, allowing individual elements to be compared directly for coincident anomalies that can be easily identified using stacked bar charts.

3. Data presented as ratioed numbers are easier to interpret and contour than decimals, particularly those less than 1 ppb.

4. Response ratios are also valuable for dealing with multiple batch analysis where slight batch variations can occur during extraction. In some cases response ratios have been useful where highly-transported soils exist in conjunction with relict and erosional regimes by enabling the samples to be treated in separate datasets according to their regolith type.

The method of calculating response ratios for MMI data is certainly not a new one in geochemistry, although many people will argue it is an attempt to enhance the data. This is not the case as response ratios are merely a relative comparison of signal to background. It is also important to remember that all data from a laboratory are going to be relative; that is, relative to the standard used in the laboratory.

After response ratios have been calculated, the data can easily be presented in various ways to show required features and indicate trends. There is no set formula for defining the significance of any particular set of response ratio data. A number of factors will influence the final results. Orientation sampling can provide some assistance; however, like most exploration techniques experience with the technique is invaluable.

ASSAYS

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT
To Klondike Star Mineral Corp. PROJECT ULTRA
Acme file # A605923R Received: OCT 18 2006 * 2 samples in this disk file.
Analysis: GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.

ELEMENT	Cu
SAMPLES	%
390048	1.369
STANDARD R-2a	0.555

Acme file # A605926R Received: OCT 31 2006 * 3 samples in this disk file.
Analysis: GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.

ELEMENT	Cu	Zn
SAMPLES	%	%
390061	7.653	0.32
390062	3.235	6.75

To Klondike Star Mineral Corp. PROJECT ULTRA
Acme file # A605927R Received: NOV 10 2006 * 3 samples in this disk file.
Analysis: GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.

ELEMENT	Zn
SAMPLES	%
390059	6.15
390075	6.07

Acme file # A605929R2 Received: OCT 12 2006 * 2 samples in this disk file.
Analysis: GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100ml ANALYSED BY ICP-ES.

ELEMENT	Cu	Zn
SAMPLES	%	%
390146	13.408	
390147		1.72
390149		1.94
STANDARD R-2a		4.19

Acme file # A606901R

	Cu
	%
390079	11.539
390082	2.341
390085	5.348
390151	1.295

To Klondike Star Mineral Corp. ULTRA

Acme file # A605929R Received: OCT 16 2006 * 3 samples in this disk file.
Analysis: -AU : -150 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAU: AU DUPLICATED FROM -150 MESH. NAU - NATIVE GOLD, TOTAL SAMPLE FIRE ASSAY.

ELEMENT	S.Wt	NAu	minus Au	TotAu
SAMPLES	gm	mg	gm/mt	gm/mt
390061	506	<.01	0.25	0.25
390062	514	<.01	0.22	0.22
390116	522	<.01	0.33	0.33
390146	500	<.01	0.1	0.1

Au, PGE ANALYSIS

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT

To Klondike Star Mineral Corp. PROJECT ULTRA

Acme file # A605924 Received: SEP 5 2006 * 16 samples in this disk file.

Analysis: GROUP 3B-MS - FIRE GEOCHEM AU PT PD RH - 30 GM SAMPLE FUSION, DORE DISSOLVED IN ACID, ANALYZED BY ICP-MS. SEMI-QUANTITATIVE FOR RH.

ELEMENT	Au	Pt	Pd	Rh
SAMPLES	ppb	ppb	ppb	ppb
390005	3	0.7	0.7	<.1
RE 390005	4	0.7	1.1	<.1
390006	<1	9.1	3.6	<.1
390007	2	10.9	4.6	0.5
390008	<1	0.6	<.5	<.1
390012	8	3.1	2.7	<.1
390014	9	5.1	5.8	<.1
390017	<1	2.7	2.4	<.1
390034	10	0.7	5.7	<.1
390035	5	4.9	7.3	<.1
390036	<1	0.2	<.5	<.1
390038	<1	1.7	1.1	<.1
390039	<1	<.1	<.5	<.1
390049	5	4.6	2.8	0.1
390453	10	0.2	<.5	<.1

Acme file # A605926 Received: SEP 5 2006 * 23 samples in this disk file.

Analysis: GROUP 3B-MS - FIRE GEOCHEM AU PT PD RH - 30 GM SAMPLE FUSION, DORE DISSOLVED IN ACID, ANALYZED BY ICP-MS. SEMI-QUANTITATIVE FOR RH.

ELEMENT	Au	Pt	Pd	Rh
SAMPLES	ppb	ppb	ppb	ppb
G-1	<1	<.1	<.5	0.2
390051	3	0.6	0.7	0.3
390053	8	0.3	<.5	0.2
390054	25	3.4	4	0.3
390055	9	1.6	6.6	0.4
390056	22	4.4	15.6	0.6
390057	43	1.8	8.4	0.5
390061	255	1.4	2.2	0.3
390062	213	0.8	35	<.1
390063	7	12.5	21.2	1.4
390064	3	0.2	3.3	<.1
390065	3	10.4	17.1	0.3
390066	2	0.3	2.5	0.1
390067	23	<.1	<.5	<.1
390068	11	6.4	2.9	0.2
390069	18	1.1	53.9	<.1
390070	2	0.3	5.2	0.2
390071	1	0.3	1.7	<.1
RE 390071	3	0.2	0.9	<.1
390072	93	0.1	0.9	0.4
390073	18	0.1	<.5	0.1
390074	8	0.1	0.8	<.1
390076	2	0.2	0.7	0.2
STANDARD	469	478.1	485.8	-

Au, PGE ANAYSIS

Acme file # A605929 Received: SEP 5 2006 * 28 samples in this disk file.							
Analysis: GROUP 3B-MS - FIRE GEOCHEM AU PT PD RH - 30 GM SAMPLE FUSION, DORE DISSOLVED IN ACID, ANALYZED BY ICP-MS. SEMI-QUANTITATIVE FOR RH.							
ELEMENT	Au	Pt	Pd	Rh	Sample		
SAMPLES	ppb	ppb	ppb	ppb	gm		
390101	<1	0.2	<.5	0.2	30		
390105	3	<.1	<.5	0.2	30		
390106	<1	0.7	0.5	0.1	30		
390107	<1	0.3	<.5	0.4	30		
390113	56	1.9	0.8	0.4	15		
390115	88	1	8.6	0.1	30		
390116	317	0.9	2.6	0.1	30		
390117	12	0.4	1	0.1	30		
RE 390117	14	0.7	0.8	0.1	30		
390120	3	15.5	14.2	<.1	30		
390121	4	19.4	15.6	0.1	30		
390131	4	3.3	4.4	<.1	30		
390132	2	4.8	5.7	0.6	30		
390133	2	3.8	4.8	<.1	30		
390134	3	0.2	<.5	<.1	30		
390135	1	0.2	<.5	0.1	30		
390136	1	<.1	<.5	<.1	30		
390137	17	<.1	<.5	<.1	30		
390138	4	<.1	<.5	<.1	30		
390139	1	<.1	<.5	0.1	30		
390140	<1	<.1	<.5	<.1	30		
390141	1	<.1	0.7	<.1	30		
390142	2	<.1	<.5	<.1	30		
390143	<1	<.1	<.5	<.1	30		
390144	<1	<.1	<.5	<.1	30		
390145	<1	<.1	<.5	<.1	30		
390146	185	0.4	0.8	<.1	30		

Acme file # A605923 Received: SEP 5 2006 * 34 samples in this disk file.
Analysis: GROUP 1DX - 30.0 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
390001	0.7	33.5	6.2	76	0.1	54.4	24.6	1177	7.2	19.4	0.1	<.5	0.4	66	<.1	0.5	0.1	194	3.51	0.071	5	179	4.63	40	0.047	<1	5.12	0.009	0.11	<.1	0.02	13.9	<.1	<.05	9	<.5
390002	0.3	210.1	3.2	35	0.2	19.3	36.5	456	6.19	1.9	0.1	6	0.2	96	0.1	0.3	0.3	122	1.47	0.117	3	33	1.35	32	0.315	<1	1.55	0.026	0.03	0.1	0.05	3.3	<.1	0.35	7	1
390003	5.2	8	3.4	9	0.2	4.4	1.5	72	1.25	3.8	0.2	2.9	0.4	22	0.1	0.5	0.1	17	0.36	0.012	2	12	0.12	101	0.008	<1	0.18	0.006	0.11	<.1	0.02	0.8	0.2	0.84	1	1
390004	5.2	26.4	12	39	0.2	3.3	71.5	1037	7.57	11.9	0.4	1.7	0.7	106	0.2	2.3	0.3	9	2.45	0.467	15	2	0.36	29	0.04	1	0.39	0.027	0.25	<.1	0.03	3.2	<.1	3.43	2	0.7
390009	0.8	62.8	1.3	11	<.1	40.7	19.7	407	2.58	34.9	0.3	8.6	0.1	55	0.2	1.2	<.1	12	3.14	0.005	3	12	0.22	35	0.007	<1	0.15	0.002	0.05	<.1	<.01	1.4	0.1	0.85	1	0.8
390013	2.9	1884.4	1.2	81	2.0	52.1	41.8	843	6.61	<.5	0.2	55.5	0.3	29	0.1	<.1	<.1	193	3.87	0.055	2	55	3.5	10	0.403	<1	3.51	0.015	0.03	0.1	0.01	6.5	<.1	0.37	11	17.2
390018	1	36.6	3.6	58	0.1	176.3	38	1375	9.92	13.6	2.7	9.4	1.1	310	0.2	1.8	0.1	95	7.01	0.051	11	183	4.63	50	0.001	1	0.3	0.009	0.15	0.1	0.02	72.4	0.1	1.34	1	0.8
390022	26.3	69.8	14.6	21	0.2	464.5	40	233	21.07	9.6	1.1	4.6	1.3	13	<.1	0.3	<.1	44	1.07	0.049	5	60	1.56	5	0.221	<1	1.15	0.016	0.06	0.1	0.14	4.3	<.1	>10	3	2.4
390023	3.6	133.7	2.4	24	0.2	33.8	32.2	201	3.59	4.6	0.5	7.4	0.9	189	0.1	0.1	0.1	69	1.35	0.15	7	32	0.68	36	0.107	5	1.62	0.14	0.22	0.1	0.01	3.8	0.1	2.52	4	3.8
390024	1.2	177.1	1.4	29	0.2	42.5	38.9	433	4.33	0.8	0.3	3.1	0.4	164	0.1	0.2	0.1	121	2.18	0.263	5	85	1.9	97	0.152	2	1.9	0.189	0.28	0.1	0.01	11.4	0.1	1.45	4	1.4
390027	0.8	30.9	1.3	25	0.1	1.2	7.2	405	3.14	<.5	0.2	0.5	0.4	133	<.1	0.2	<.1	25	1.23	0.113	3	3	0.6	51	0.132	2	1.61	0.126	0.1	0.1	<.01	1.7	<.1	0.96	4	1.9
390033	6.5	94.3	2.3	32	0.2	38.1	68.9	955	12.08	56.6	0.2	93.4	0.5	202	0.1	0.2	4.6	128	9.42	0.137	5	80	2.01	12	0.163	<1	1.88	0.012	0.78	0.4	0.01	6.5	0.5	9.68	7	2.2
390040	12.8	41.4	5.2	263	2.0	15.1	2.7	20	1.62	50.8	1	8.1	0.1	13	2.1	2.4	0.3	13	0.06	0.03	<1	17	0.02	197	0.002	<1	0.06	0.002	0.02	0.6	5.65	0.2	0.1	0.56	<1	4.9
390041	0.4	256.4	4	5669	7.5	496.2	56.4	414	1.29	582.9	0.1	2.6	<.1	120	47.5	152.9	0.1	4	9.23	0.007	1	117	2.98	115	0.002	1	0.05	0.002	0.02	<.1	7.78	2.3	<.1	0.51	1	0.6
390042	0.2	22.1	3.1	4134	0.2	739.2	73.3	462	0.93	960.8	0.2	2.6	<.1	99	31.6	15.3	<.1	2	10.47	0.001	1	84	2.05	535	<.001	<1	0.02	0.001	0.01	<.1	0.78	3.1	<.1	0.21	<1	<.5
390043	0.7	30.1	16.6	525	0.3	1106.9	61.6	772	2.81	692.1	0.3	4.1	0.1	279	5.5	20.4	<.1	15	11.2	0.016	2	194	6.79	198	0.001	2	0.12	0.006	0.04	<.1	0.76	3.9	0.1	0.36	<1	<.5
390044	0.7	307.8	1.9	78	0.6	62.5	41.8	443	6.21	55.9	0.1	39.6	0.3	54	0.5	0.9	0.1	44	2.45	0.071	4	31	1.1	24	0.013	<1	0.84	0.012	0.11	0.1	0.04	6.9	<.1	2.67	3	2.7
390046	1.7	713.9	6.1	1654	0.5	49.5	54	1262	10.42	16.9	0.1	3.1	0.1	29	8	0.4	0.4	117	1.02	0.116	3	60	1.81	14	0.611	1	1.99	0.013	<.01	0.1	0.24	4.1	<.1	6.87	8	6.3
390047	0.6	558.5	1.3	3048	0.1	16	16.4	399	2.66	6.9	<.1	0.9	0.1	24	9.3	0.2	0.1	47	0.56	0.041	2	21	0.34	12	0.245	<1	0.52	0.012	<.01	<.1	0.24	1.9	<.1	1.96	2	3
390048	19.4	>10000	3.6	1238	5.1	56.2	69.6	1751	11.92	19.9	<.1	8	0.1	24	6.8	0.3	0.2	148	0.72	0.075	1	145	3.43	13	0.384	<1	4.18	0.008	<.01	0.1	0.69	6	<.1	2.55	13	16.6
390050	2.4	112.2	607.8	668	4.3	37.2	23.8	1276	9.34	55	0.1	8.6	0.2	12	1.2	1	0.5	178	0.61	0.087	2	110	2.83	12	0.661	1	2.66	0.026	0.02	<.1	0.45	7.4	0.4	4.14	11	0.6
390451	6.1	225.3	16.7	540	0.3	45.6	13.4	480	3.81	13	0.7	6.2	1.3	170	2.9	5.3	0.2	36	3.82	0.106	2	13	1.69	13	0.032	2	0.28	0.023	0.04	0.1	1.31	3.7	<.1	3.61	1	1.7
390452	0.9	36.8	9.5	31	0.2	6.8	5.6	2152	3.13	13.2	0.9	1.9	0.4	242	0.3	14.9	<.1	14	19.03	0.009	2	3	10.67	18	0.003	1	0.06	0.008	<.01	<.1	0.19	0.7	<.1	0.24	<1	<.5
390454	1.2	99.8	4.8	86	0.5	8.9	4.5	1907	2.61	26.7	1	1.1	0.3	223	0.5	110.9	<.1	15	18.29	0.016	2	3	10.2	18	0.001	1	0.08	0.005	<.01	<.1	0.57	0.7	<.1	0.27	<1	<.5
390455	1.2	350.3	18.7	233	2.4	5	3.8	1675	2.34	59.4	1.1	<.5	0.3	220	1.8	152	0.1	11	20.94	0.021	2	2	11.7	14	0.001	1	0.05	0.011	<.01	<.1	1.63	0.5	<.1	0.27	<1	0.6
390456	0.6	269.5	6.9	179	1.8	4.4	4.6	1861	2.36	48.7	0.9	<.5	0.3	186	1.9	114.9	<.1	12	20.64	0.022	2	3	11.18	11	0.001	1	0.03	0.01	<.01	<.1	1.2	0.6	<.1	0.22	<1	<.5
390457	0.5	2017.6	6.7	318	16.2	4.3	3.8	1145	1.43	292.3	0.6	<.5	0.3	145	4.2	986.1	0.3	9	18.47	0.022	2	4	10.2	14	0.001	1	0.04	0.009	<.01	<.1	27.6	0.4	<.1	0.33	<1	1
390458	0.5	72.9	5	25	0.4	5.4	3.8	1214	1.27	12.8	1.1	1.3	0.2	190	0.2	33.4	0.1	9	19.03	0.009	2	2	9.98	16	<.001	1	0.04	0.007	<.01	<.1	0.56	0.4	0.1	0.19	<1	<.5
390459	1.2	3927.9	10	717	31.3	9.2	5.6	986	1.34	599.7	0.8	2.1	0.3	257	10.9	1917.5	0.3	12	17.91	0.011	3	4	10.82	23	<.001	2	0.03	0.007	<.01	0.1	32.7	0.8	<.1	0.55	<1	1.7
390460	9.5	51.1	14.5	117	0.5	10.5	1.5	331	2.38	34.4	1.1	<.5	1.3	13	0.9	17.7	0.1	31	0.41	0.128	6	13	0.13	73	0.001	2	0.23	0.004	0.09	0.1	0.65	1.1	0.2	<.05	1	2.7
390461	19	46.4	50.3	82	0.6	17.5	2.6	68	6.47	100.6	1.2	<.5	2.9	32	0.3	20.1	0.1	46	0.38	0.371	10	10	0.13	113	0.002	2	0.47	0.004	0.11	0.1	0.64	1.2	0.1	0.08	2	10.3
RE 390461	19.1	46.1	49.8	82	0.6	17.6	2.7	67	6.45	101.5	1.2	<.5	2.9	32	0.3	18.5	0.2	45	0.38	0.369	9	10	0.12	107	0.002	3	0.45	0.004	0.1	0.1	0.66	1.2	0.1	0.08	1	10.3
390462	7.7	44.7	7.3	79	0.5	62.4	18.3	960	5.98	47.8	0.5	34.9	1.7	354	0.4	2.1	0.2	17	6.94	0.017	1	16	2.82	33	<.001	2	0.14	0.016	0.07	0.1	0.07	11.5	<.1	3.84	<1	1.4

Acme file # A605924 Received: SEP 5 2006 * 16 samples in this disk file.
Analysis: GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.

ELEMENT	Dilute	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
SAMPLES	-	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
390005	1	1.7	204.6	13.1	34	0.5	57	33.5	359	6.64	4	0.3	<.5	1.8	32	0.1	0.4	0.3	130	1.27	0.491	17	110	1.55	56	0.121	3	1.86	0.078	0.1	0.5	<.01	8	0.1	2.21	8	4
RE 390005	1	1.7	204.3	12.8	34	0.4	57.1	33	359	6.65	3.6	0.3	<.5	1.7	30	0.1	0.4	0.3	131	1.28	0.476	16	107	1.53	51	0.113	2	1.86	0.073	0.1	0.4	<.01	7.6	0.1	2.2	8	3.9
390006	1	0.9	7.6	2.9	9	<.1	53.9	6.1	142	0.55	4.2	0.3	2.7	1.5	480	0.1	1.1	<.1	16	4.02	0.031	3	103	0.6	171	0.167	2	0.91	0.007	0.02	0.1	<.01	0.6	<.1	<.05	2	<.5
390007	1	0.7	530.7	6	32	0.9	222.8	24.8	188	1.96	3.8	0.1	107.0	0.2	54	0.3	4.4	<.1	23	1.46	0.021	1	154	2.05	48	0.11	3	1.98	0.007	0.01	0.1	0.02	1.3	<.1	0.06	3	<.5
390008	1	1.3	68.6	3.6	89	0.1	38.4	16.6	139	4.45	0.8	0.3	1.2	1.9	38	0.2	0.1	0.1	98	0.73	0.312	9	80	1.58	149	0.039	2	2.32	0.06	0.34	0.1	<.01	5.4	0.1	0.42	9	1.3
390012	1	5.7	131.5	3.6	39	0.6	61	60.5	439	8.02	5.2	0.5	18.0	0.3	21	0.1	0.3	<.1	92	1.45	0.063	2	14	1.35	32	0.361	<1	1.74	0.023	0.18	0.1	0.03	4.9	<.1	5.26	5	13.5
390014	1	3.5	515.8	3.8	32	0.5	60.5	43.2	474	3.5	1.8	0.4	15.2	0.3	31	0.1	0.1	<.1	107	2.95	0.058	2	57	1.33	81	0.265	<1	1.62	0.034	0.32	0.1	0.03	4.7	0.1	1.66	4	25.5
390017	1	0.8	82.1	4.9	57	<.1	109	31.2	765	4.24	5.1	0.3	2.0	0.5	151	0.2	0.1	0.1	125	3.1	0.088	5	251	2.91	35	0.201	2	2.98	0.253	0.11	0.1	<.01	9.6	<.1	0.33	8	0.6
390034	1	1.4	53	3.1	30	0.1	34.7	41.6	480	5.72	3.2	0.2	15.1	0.2	37	0.1	0.7	0.3	104	1.94	0.125	3	42	1.2	47	0.271	1	1.57	0.07	0.29	0.2	<.01	5	0.2	2.26	7	1
390035	1	1	122.8	2.9	61	0.2	60.9	41.7	485	5.82	4.9	0.1	4.2	0.3	75	0.1	0.2	0.1	156	2	0.054	2	122	1.44	122	0.209	<1	2.36	0.089	0.84	0.1	<.01	8.8	0.7	0.8	8	1.6
390036	1	0.2	48.5	1.1	72	<.1	40.6	38	640	6.1	2.4	0.1	1.4	0.3	16	0.1	<.1	<.1	130	1.07	0.07	3	27	3.62	19	0.291	10	3.25	0.034	0.07	<.1	0.01	11.8	<.1	<.05	13	<.5
390038	1	0.4	66.4	1	69	<.1	41.9	29.4	731	6.21	6.4	0.1	1.1	0.4	45	0.1	<.1	<.1	184	1.57	0.09	4	84	2.69	48	0.262	4	2.68	0.126	0.05	0.1	<.01	8.8	<.1	0.25	13	<.5
390039	1	1.1	30.8	1.2	37	<.1	24.4	41.8	385	4.1	17.8	0.1	0.8	0.5	46	0.1	0.1	<.1	88	1.12	0.076	6	23	1.1	9	0.27	2	1.64	0.084	0.03	0.1	<.01	6	<.1	0.4	8	0.8
390049	1	1.6	116	3.1	39	0.1	84.8	37	381	4.02	6.6	0.2	6.5	0.5	38	0.1	0.4	0.2	121	1.19	0.054	4	183	1.8	20	0.472	3	1.7	0.038	0.04	0.3	<.01	2.4	<.1	1.06	7	3.3
390453	10	1.3	9962.7	296.4	2541	98.0	9.1	7.1	988	1.74	1431	1	0.9	0.3	167	30.1	>2000	2.5	31	9.6	0.006	<1	3	4.57	13	0.007	8	0.09	0.008	<.01	<.1	66.6	0.6	<.1	0.93	<1	6.6

To Klondike Star Mineral Corp. PROJECT ULTRA
Acme file # A605925 Received: SEP 5 2006 * 18 samples in this disk file.
Analysis: GROUP 1DX - 15.0 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
S390010	8.5	194.8	8.4	21	2.8	35.4	31.3	317	14.94	5.1	0.4	12.2	0.5	52	<.1	0.3	0.1	163	0.8	0.119	2	46	0.76	35	0.467	1	0.85	0.069	0.19	0.1	0.02	3.2	0.1	2.21	4	3.5
S390011	7.3	142	11.9	11	2.4	29.7	35.2	261	15.56	2.9	0.6	15.3	0.3	67	<.1	0.2	<.1	173	0.2	0.039	4	9	0.24	41	0.636	1	0.28	0.08	0.31	<.1	0.06	1.1	<.1	1.23	2	1.8
S390015	8.8	166.3	12.2	13	2.5	34.9	39.4	252	17.06	2.9	0.8	13.3	0.8	59	0.1	0.2	<.1	139	0.11	0.089	5	22	0.3	25	0.655	<1	0.4	0.155	0.31	<.1	0.05	1.7	<.1	1.7	3	4.7
S390016	12.9	207	5.2	35	0.5	107	70.5	1056	10.12	6.1	0.4	8.4	0.7	30	0.1	0.3	<.1	72	0.32	0.054	4	125	1.24	52	0.319	2	1.42	0.029	0.25	0.1	0.02	5.2	0.1	0.84	4	3
S390019	15.8	182.4	10.1	221	0.3	172.3	28.6	409	13.44	39	0.7	7.1	0.9	5	0.4	0.6	<.1	152	0.08	0.029	1	284	2.57	74	0.004	<1	3.16	0.002	0.01	<.1	0.03	14.7	0.1	0.54	8	2.3
S390020	17.7	208.9	20	283	0.3	180.1	44.4	746	8.36	56.7	1.6	3.8	1.5	13	2	4.2	0.1	117	0.2	0.064	4	154	2.69	83	0.04	<1	2.54	0.006	0.03	<.1	0.07	8.8	0.2	0.3	5	3.7
S390021	61.6	182.3	9.8	77	0.2	106.9	3.7	47	19.22	51.7	0.4	30.8	0.8	1	<.1	0.9	<.1	506	<.01	0.104	1	18	0.19	22	0.133	<1	0.3	0.001	<.01	<.1	0.05	1.8	<.1	0.49	4	12.3
S390025	6.2	177.5	3.1	132	0.4	198.8	54.3	926	6.63	61.3	5.7	3.4	4.6	143	1.5	0.6	<.1	35	0.74	0.148	74	40	0.26	154	0.002	6	1.3	0.093	0.16	<.1	0.01	19.7	0.1	0.71	1	4.7
S390026	5.2	82.3	6	55	0.4	58	32.1	416	5	19.2	5.3	3.9	2.2	130	0.6	3.8	0.1	71	8.55	0.124	21	64	4.7	247	0.021	3	1.11	0.033	0.32	0.1	0.02	7.7	0.2	0.61	3	1.6
S390028	4.9	11.4	3.7	87	<.1	35.1	23.5	2216	5.56	15.3	1.1	<.5	2.2	43	0.1	0.2	0.1	86	0.78	0.221	19	10	0.82	88	0.031	2	0.63	0.041	0.08	<.1	<.01	14.7	0.2	<.05	2	<.5
S390029	0.6	25.9	2	46	<.1	29.5	19.3	708	4.27	1.1	0.2	<.5	1.1	52	0.2	0.1	<.1	77	2.54	0.156	14	37	1.14	24	0.068	1	0.91	0.012	0.03	<.1	0.01	13.6	<.1	<.05	2	<.5
S390030	1	24	2.4	81	<.1	36	50.2	2722	5.45	4	0.4	2.1	1	68	0.3	0.2	<.1	104	1.15	0.154	16	6	0.7	72	0.009	1	0.59	0.026	0.05	<.1	0.01	17.8	0.3	<.05	2	<.5
S390031	0.9	18.4	1.6	102	<.1	7	28	1555	6	1	0.3	1.4	1.5	60	0.3	0.1	<.1	113	1.34	0.168	19	3	1	41	0.039	1	0.66	0.035	0.05	<.1	<.01	20.1	0.1	<.05	3	<.5
S390032	0.2	197	1	74	<.1	92.1	51.8	2170	7.1	19.1	4.8	4.5	0.6	168	<.1	0.4	<.1	149	6.07	0.052	7	79	3.7	44	0.007	7	1.35	0.047	0.03	<.1	<.01	15.7	<.1	<.05	6	<.5
S390037	0.9	23.5	1.8	47	<.1	26.6	24.5	678	3.55	37.8	0.2	1.7	0.8	25	0.2	0.2	<.1	135	1.81	0.155	9	36	0.42	104	0.01	12	0.69	0.007	0.07	<.1	0.01	8.1	0.1	<.05	4	<.5
S390045	3.8	265.2	5.7	243	0.2	52.8	36.1	997	13.76	9.4	0.2	7.8	0.7	20	0.2	0.3	0.2	182	0.11	0.244	3	149	2.63	14	0.371	1	2.84	0.013	0.03	0.1	0.05	10.8	<.1	0.54	10	3.2
Repeats																																				
S390019	16.5	187.7	10.3	257	0.2	192.7	32.8	476	15.76	43.7	0.7	6.5	0.9	5	0.5	0.6	<.1	161	0.08	0.032	1	334	2.96	83	0.004	<1	3.52	0.002	0.01	<.1	0.03	14.8	0.1	0.64	11	2.6
S390021	64.4	183.6	9.5	86	0.2	110.8	3.8	51	21.87	54.6	0.4	33.5	0.8	1	<.1	0.9	<.1	502	<.01	0.102	1	18	0.23	24	0.125	<1	0.32	0.001	<.01	<.1	0.05	1.1	<.1	0.56	4	13.6
S390025	5.9	172	3.2	140	0.4	205.8	55.6	946	7.26	61.6	5.8	1.2	4.6	159	1.7	0.6	<.1	36	0.75	0.152	78	52	0.29	179	0.002	7	1.45	0.1	0.16	<.1	0.01	19.4	0.1	0.76	2	5.4
STANDARD	19.9	107	67.1	404	0.9	55.1	9.7	628	2.43	49	4.8	71.7	4.2	68	6.7	6.1	4.5	84	0.94	0.082	12	164	1.04	372	0.116	41	0.94	0.076	0.45	4	0.19	2.4	4.2	0.22	5	3.6

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT
To Klondike Star Mineral Corp. PROJECT ULTRA
Acme file # A605926 Received: SEP 5 2006 * 23 samples in this disk file.
Analysis: GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
G-1	1.1	7.1	4.3	45	<.1	4.3	4.4	542	1.85	0.6	2.9	<.5	4.3	61	<.1	<.1	0.1	35	0.5	0.081	7	13	0.56	199	0.1	3	0.94	0.065	0.48	0.2
390051	1.2	258.1	5	54	0.4	66	50	772	7.21	0.8	0.2	1.1	0.6	45	0.2	0.1	0.3	231	1.7	0.057	4	169	2.9	41	0.2	4	3.08	0.035	0.08	0.2
390053	164	13.3	11.2	27	1.1	121	22.4	222	20.84	146	0.6	7.2	0.1	85	1	7.7	<.1	5	7.5	0.083	2	5	1.74	9	0	<1	0.06	0.002	0.02	0.3
390054	190	66.2	5.4	33	1.3	90.5	28.7	540	17.3	130	0.1	24.3	0.1	22	<.1	0.5	<.1	63	4.5	0.016	1	106	1.29	7	0.1	1	1.3	0.011	0.25	0.1
390055	3.1	7125.6	1	28	4.4	20.9	45	290	3.44	0.8	0.1	5.9	0.1	20	0.3	0.1	<.1	46	1.5	0.019	1	40	0.78	32	0.2	1	0.85	0.012	0.02	0.1
390056	3.1	202	5.8	47	1.1	94.3	142.9	636	9.38	6.5	0.3	22.6	0.3	24	0.1	0.4	0.1	96	2.2	0.056	2	55	1.5	19	0.4	<1	1.64	0.016	0.1	0.2
390057	0.3	1636.6	2.3	14	0.6	359	133.7	591	13.17	14.7	<.1	40.9	<.1	43	0.1	0.1	0.3	24	3.3	0.011	<1	106	1.13	5	0	<1	1.08	0.025	0.02	0.4
390061	101	>10000	143	3088	56	30.7	705.4	338	31.4	97.2	0.6	250.4	<.1	32	7.4	1.2	6.7	47	5.8	0.025	<1	7	0.24	6	0	<1	0.35	0.002	0.02	0.1
390062	47.1	>10000	145	>10000	17.8	12	466.7	79	36.82	55.4	0.2	145.3	<.1	3	206.2	1.4	3.7	14	2.5	0.003	<1	2	0.01	3	0	<1	0.06	0.001	<.01	0.3
390063	2.5	2390.6	4.7	227	1.7	728	123.2	634	10.12	5.6	0.1	14.8	0.3	11	0.6	<.1	0.2	87	0.6	0.027	2	810	9.46	7	0.1	53	2.14	0.01	0.04	0.1
390064	1.5	631.3	4.8	880	0.4	60.9	33.5	84	2.78	4.7	0.6	3.2	1	4	3	0.1	1	41	0.4	0.036	5	136	0.63	7	0.2	<1	0.32	0.036	0.07	0.1
390065	1.2	428.2	3.9	82	0.4	690	86.1	568	2.95	35.5	0.9	1.3	0.5	101	0.7	9.3	0.5	62	13	0.038	4	750	8.32	82	0	4	0.95	0.008	0.33	0.1
390066	0.7	162.2	1.3	62	<.1	5.7	6.7	247	1.57	<.5	0.2	0.8	0.8	90	0.2	0.1	<.1	19	2.4	0.058	7	11	0.3	15	0.1	<1	0.65	0.031	0.08	0.2
390067	0.9	81.1	1.5	20	0.2	24.6	21.5	325	4.4	4.9	0.1	19.5	0.6	76	0.2	0.2	0.1	72	1.8	0.099	4	41	0.75	7	0.2	<1	0.89	0.037	0.04	0.3
390068	7.7	64.9	1.8	107	0.1	55.9	43.7	507	8.12	30.1	<.1	4.6	0.2	13	0.1	0.1	<.1	216	0.4	0.041	1	307	3.88	21	0	<1	3.6	0.015	0.11	0.1
390069	13.4	1614.1	15.7	77	1.7	55.8	18.7	928	5.26	24.1	0.4	1.6	1.5	10	0.2	0.1	0.3	65	0.3	0.093	13	59	1.15	68	0	<1	2.65	0.015	0.14	<.1
390070	0.3	115.7	0.6	22	<.1	13.2	19.5	464	3.72	0.6	<.1	3.4	0.2	81	0.1	0.3	<.1	88	2.7	0.116	3	15	1.63	19	0.3	<1	1.28	0.021	0.02	0.1
390071	0.2	36.4	0.4	26	<.1	32.3	32.2	461	3.44	<.5	<.1	0.8	0.1	20	<.1	0.2	<.1	97	1	0.06	2	37	2	36	0.2	<1	1.87	0.029	0.02	0.1
RE 390071	0.3	37.3	0.4	29	<.1	35.7	33.4	465	3.49	0.6	<.1	1.7	0.1	20	0.1	0.1	<.1	98	1	0.057	2	36	2.01	38	0.2	1	1.89	0.029	0.02	<.1
390072	0.4	15.6	2.8	35	0.3	17	28.4	984	6.99	7.7	0.2	71	0.2	145	0.2	0.6	<.1	87	6.1	0.174	5	5	1.5	42	0	<1	0.67	0.026	0.2	0.1
390073	0.2	1318	2	10	0.8	8.9	254.2	261	6.63	2.3	0.1	12.7	0.8	103	0.2	0.3	0.3	23	5.5	0.043	7	7	0.32	24	0.1	1	0.85	0.004	0.04	0.2
390074	0.3	177	1.2	53	0.1	38.1	52.5	604	5.88	1.1	<.1	6.1	<.1	41	0.1	0.5	<.1	230	1	0.027	<1	10	2	23	0.5	<1	2.01	0.008	0.01	0.1
390076	0.3	1982.6	1.1	599	<.1	45.9	39.2	603	2.77	<.5	0.1	1.2	0.1	92	2.1	<.1	<.1	90	4.2	0.042	1	152	1.33	9	0.4	<1	1.57	0.026	0.13	0.1
STANDAR	20.6	108.9	69.4	412	0.9	54.5	9.1	625	2.37	47.7	4.8	72.3	4.3	69	6.2	4.8	4.5	85	0.9	0.078	13	157	1.04	373	0.1	38	0.97	0.075	0.44	3.8

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT
To Klondike Star Mineral Corp. PROJECT ULTRA
Acme file # A605927 Received: SEP 5 2006 * 8 samples in this disk file.
Analysis: GROUP 1DX - 30.0 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
G-1	0.5	1.9	5.1	47	0.1	4	4.4	559	1.96	0.6	2.9	0.7	4.5	60	0.1	0.1	0.1	40	0.5	0.08	8	15	0.61	210	0.1	2	1	0.075	0.5	2.1
390052	1.2	130.1	1.9	4	0.2	51.5	44	192	3.06	11.3	0.1	7.5	<.1	57	<.1	1.2	<.1	3	1.1	0.002	<1	10	0.05	43	0	1	0.03	0.002	<.01	3.6
390058	6.3	458.2	74.7	1273	6.8	5.9	6.1	239	24.93	56	0.1	41	<.1	1	2.9	1	0.4	<1	0	<.001	<1	6	0.03	2	0	1	0.02	0.004	<.01	3
390059	18.5	6857.2	963	>10000	34.7	54.7	84.4	173	32.32	73.2	0.2	92.2	<.1	19	158	7.4	6.7	7	3.3	0.003	<1	5	0.05	2	0	1	0.06	0.004	0.07	0.1
390060	8.2	4426.2	16.2	405	2.9	47.7	41.1	1990	19.99	6.3	0.7	9.6	0.1	5	0.6	<.1	3	249	0.5	0.101	2	178	3.54	17	0.5	2	5.12	0.013	0.1	0.1
390075	0.3	485.1	23.7	>10000	10	442	48.2	690	1.78	642	0.1	32.7	<.1	124	488.1	105	<.1	4	8.5	0.006	1	73	4.6	59	0	1	0.06	0.003	0.03	<.1
390077	1.7	295	190	2214	1.8	79	36.4	1729	7.08	18.7	0.1	6.7	0.2	75	8.7	0.4	0.3	171	8.9	0.071	2	167	2.48	6	0.4	1	2.38	0.015	0.03	0.5
STANDAR	20.1	102.4	67.8	402	0.9	55.2	9.6	628	2.38	49.1	4.8	62.9	4.4	72	6.4	4.9	4.4	84	0.9	0.08	12	174	1.05	382	0.1	46	0.98	0.083	0.46	4

Acme file # A605928 Received: SEP 5 2006 * 25 samples in this disk file.
Analysis: GROUP 1DX - 15.0 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
390102	2.1	167.7	7.2	171	0.3	86.8	63.5	543	12.74	49.8	3.3	1	2.1	350	1	17.3	0.2	18	8.66	0.393	8	19	2.91	32	0.003	3	0.37	0.009	0.11	0.2	0.13	7.6	0.1	5.59	1	1.3
390103	19.2	44.2	9.4	15	0.1	13.8	0.7	40	16.56	126.6	2.2	1	2.8	82	0.1	3.9	<.1	1211	9.67	0.184	3	45	0.07	18	0.002	6	0.32	0.005	0.01	0.1	0.19	1.7	0.2	8.35	8	7.9
390104	0.2	144.2	1.7	31	0.1	42.2	47.1	1418	6	27.4	0.2	1.5	0.1	191	0.1	0.4	<.1	21	8.48	0.029	2	6	2.1	165	0.001	3	0.24	0.015	0.11	<.1	0.01	10.1	0.1	0.77	1	1.1
390108	0.3	77.5	22.6	25	0.2	26	11.2	3931	3.93	4	0.2	<.5	1.2	195	0.2	1.4	0.6	17	8.57	0.032	3	14	2.89	18	0.001	1	0.42	0.013	<.01	<.1	<.01	7.1	<.1	0.4	2	<.5
390109	0.2	10.9	6.1	9	<.1	3.4	1.8	690	2.19	14	0.2	<.5	0.1	130	0.1	0.5	<.1	3	3.62	0.004	<1	11	1.13	41	<.001	<1	0.02	0.011	<.01	<.1	<.01	1	<.1	0.95	<1	1.2
390110	0.7	54.7	3.7	64	<.1	69.3	38	697	5.55	4	2.7	<.5	0.3	281	0.1	0.2	<.1	87	9.76	0.06	4	111	2.07	111	0.004	2	2.47	0.01	0.07	<.1	<.01	6.3	0.1	1.78	7	1.4
390111	0.9	108.6	4.1	72	0.4	51.7	31.3	1151	6.72	19.8	3.3	0.8	0.2	116	0.1	1.8	0.1	70	3.79	0.084	2	28	2.56	80	0.003	3	1.69	0.013	0.12	<.1	0.01	6.8	0.1	2.32	5	4.3
390112	0.3	99.4	3.5	70	0.2	265.7	43.7	983	5.24	18.6	8.1	<.5	0.1	174	0.1	1.1	<.1	19	10.17	0.022	2	100	3.52	39	<.001	2	0.3	0.017	0.22	<.1	<.01	14.7	0.1	0.92	1	0.9
390114	4.5	423.5	36.3	20	0.7	43.9	51.9	2136	5.94	11.9	3.3	3	1.6	216	0.2	0.9	0.3	26	10.33	0.041	2	9	5.02	48	0.001	2	0.18	0.015	0.03	<.1	0.02	3.7	<.1	2.36	<1	1.8
390118	0.3	16.6	1.6	29	<.1	17.8	6.4	1893	5.29	2	0.2	<.5	0.5	167	0.1	0.2	<.1	7	9.54	0.007	5	8	3.54	16	<.001	1	0.07	0.012	0.05	<.1	<.01	2.2	<.1	0.1	<1	<.5
390119	0.9	38.2	7.4	34	<.1	22.1	15.2	1686	2.7	8.9	0.7	6.7	1.1	333	0.3	0.6	0.1	8	17.22	0.009	2	3	1.15	23	<.001	1	0.2	0.008	0.03	0.1	0.02	4.1	<.1	0.5	1	0.6
390122	2.6	213.2	405.2	54	0.6	55.6	118.6	880	8.75	29.4	0.6	<.5	2.8	154	0.3	0.9	1.6	15	9.85	0.017	12	25	1.3	38	0.003	1	1.51	0.006	0.12	<.1	0.01	2.5	0.1	6.4	5	4.2
390123	0.3	9.2	1.8	81	<.1	42.5	12.2	577	2.83	2.4	0.7	<.5	2.8	538	0.4	1.2	0.1	16	6.91	0.057	1	9	2.11	32	0.001	1	0.06	0.033	<.01	<.1	0.04	6.2	<.1	2.8	<1	1.5
390124	2.2	26.4	7.4	118	<.1	17.9	2.9	1059	1.56	5.5	0.6	<.5	0.6	426	1.7	0.4	0.1	8	10.46	0.043	2	7	0.6	33	<.001	1	0.07	0.003	0.04	0.1	0.03	1	<.1	0.45	<1	2.1
390125	0.3	41.2	1.8	42	<.1	332.4	26.9	677	3.28	36.6	2.3	<.5	0.2	124	0.2	0.7	<.1	31	6.2	0.029	1	227	1.97	103	0.001	1	0.5	0.022	0.08	<.1	<.01	9.5	<.1	1.2	2	2.5
390126	0.3	11.1	1.9	17	0.3	6.5	1.6	640	1.66	1.2	0.2	0.6	0.7	78	0.2	2.5	<.1	7	2.28	0.013	1	9	1.02	40	<.001	<1	0.04	0.015	0.01	<.1	0.01	3.3	<.1	0.83	<1	0.7
390127	0.3	7	4.3	96	<.1	38.3	8.5	1531	5.88	5	0.2	7.4	2.4	525	0.3	0.2	0.1	13	10.44	0.008	1	11	6.24	15	<.001	<1	0.06	0.013	0.01	0.1	<.01	13.2	<.1	3.66	<1	1.1
390128	47.5	216.1	23.9	2817	51.6	123.8	11.8	15	2.29	1365.4	4.4	<.5	0.2	7	30	333.7	<.1	<1	0.12	0.009	<1	85	0.05	30	0.001	<1	0.15	0.004	0.11	0.3	>100	<.1	<.1	0.97	2	18.8
390129	1.1	262.6	2.6	130	1.2	389.7	62.9	653	1.93	140.9	2.5	3	0.1	87	1.4	46.4	<.1	12	9.81	0.028	2	47	2.23	45	0.001	<1	0.16	0.006	0.14	<.1	2.46	4.5	0.1	0.28	<1	1.5
390130	1.2	480.1	11.1	162	2.2	49	16.6	578	3.4	215	1	151.2	0.1	228	2.4	139	<.1	24	5.62	0.055	2	29	1.77	85	0.006	1	0.1	0.025	0.05	0.2	5.08	12.1	<.1	0.48	1	2.1
390147	0.9	228.1	196.3	>10000	2.6	185.3	31.9	274	24.06	198.2	6.8	128.7	0.1	44	162.6	34.7	0.4	10	7.26	0.009	1	4	6.45	4	<.001	<1	0.01	0.004	<.01	<.1	20.17	0.2	0.6	>10	1	16.1
390148	2.5	20	52.7	1402	0.8	112	17.5	423	11.5	66.2	9.7	27.1	0.1	74	12.5	13.6	<.1	11	14.47	0.007	2	4	9.23	24	<.001	1	0.02	0.005	<.01	<.1	2.43	0.4	0.4	8.09	<1	2.8
390149	0.2	544.3	1.8	>10000	18.6	20.6	0.9	350	0.48	43.7	1	0.5	<.1	38	148.2	318	<.1	<1	12.25	0.001	<1	2	8.52	118	<.001	1	0.01	0.005	<.01	<.1	19.32	0.2	<.1	0.84	1	0.8
RE 390149	0.2	539	2.1	>10000	18.7	21.5	1.2	343	0.48	40.2	1	0.8	<.1	37	143.3	308.2	<.1	1	12.06	0.001	<1	2	8.41	120	<.001	<1	0.01	0.004	<.01	<.1	18.25	0.1	<.1	0.84	1	<.5

Acme file # A605929 Received: SEP 5 2006 * 28 samples in this disk file.
Analysis: GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
390101	0.9	6.8	1.6	19	<.1	14.9	9	640	2	3.2	0.1	1.2	0.1	48	<.1	0.2	<.1	5	3.36	0.009	1	11	0.79	27	0.001	<1	0.14	0.01	0.03	0.8	0.01	2.2	<.1	0.35	1	0.7
390105	0.6	47	4.9	36	0.1	1.9	0.7	3100	3.74	11.2	0.7	<.5	0.2	401	0.3	19.4	<.1	23	20.9	0.006	4	2	10.4	38	0.001	2	0.03	0.01	<.01	0.1	0.79	0.3	<.1	1.72	<1	0.7
390106	0.4	82.5	0.6	21	<.1	16.3	5.3	470	1.74	2.9	0.3	<.5	0.9	144	0.1	0.2	<.1	53	5.91	0.049	5	21	0.83	25	0.003	2	0.92	0.03	0.01	0.4	0.01	6.2	<.1	0.2	5	<.5
390107	2.4	11.1	1.7	88	<.1	11.6	0.5	100	0.12	13	3.1	<.5	0.2	790	2.2	1.6	<.1	26	36.05	0.041	4	5	0.19	36	0.001	<1	0.04	0.002	0.01	<.1	0.04	0.7	<.1	0.07	<1	<.5
390113	51.3	5368.7	25.7	152	5.5	35.9	34.7	48	1.06	77.9	1.4	<.5	1.1	8	1.1	12.9	0.3	225	0.29	0.055	6	18	0.05	138	0.001	3	0.19	0.005	0.1	1.3	0.74	0.7	0.1	0.37	1	14.3
390115	3.4	149.6	5.4	303	0.6	49.6	34.1	1	32.17	65.3	0.5	20.4	0.4	2	3.5	9.5	0.3	5	0.08	0.002	<1	4	0.02	2	0.002	<1	0.08	0.012	0.03	0.2	2.54	0.1	<.1	>10	1	9.5
390116	3.8	3573.1	11	493	13.8	54.9	112.2	1344	3.61	211.8	2.6	142.2	1.3	1442	6.3	1867	0.7	15	16.97	0.044	2	9	2.26	62	0.001	7	0.05	0.013	0.02	0.7	3.86	5.2	0.1	3.26	<1	15.9
390117	2.2	54.5	11.5	36	0.4	16.8	1.5	68	1.29	9.2	0.7	<.5	1.3	30	0.4	10.6	0.1	10	0.64	0.19	4	12	0.18	91	0.001	1	0.33	0.007	0.07	0.1	0.13	0.4	0.1	0.19	1	3.2
RE 390117	2.3	55	12	36	0.4	16.4	1.4	68	1.29	22	0.7	0.8	1.3	30	0.4	11.3	<.1	10	0.64	0.192	4	13	0.18	93	0.002	1	0.32	0.007	0.08	<.1	0.12	0.5	0.1	0.19	1	3.5
390120	0.4	130.4	4.2	42	0.2	57.9	37	783	4.52	4.7	0.1	0.7	0.2	41	0.1	1.1	<.1	127	3.12	0.023	1	70	2.51	19	0.177	1	2.46	0.016	0.01	0.2	0.03	4.4	<.1	0.16	8	0.8
390121	0.6	106	1.7	31	<.1	49.6	42.1	502	3.59	9.8	0.2	1.9	0.3	38	0.1	3.5	<.1	87	1.21	0.025	1	52	1.28	15	0.218	3	1.64	0.023	0.01	0.3	0.03	3.5	<.1	0.76	4	2.7
390131	1.2	135.6	0.8	62	<.1	40.9	39.1	860	6.51	1.1	0.1	3.7	0.4	48	<.1	0.1	<.1	141	5.34	0.045	3	51	1.96	29	0.193	1	2.02	0.012	0.12	<.1	0.01	6.8	<.1	<.05	8	0.5
390132	1.2	128.3	0.6	66	<.1	36.7	22.4	1180	7.28	1.5	0.2	0.7	0.5	28	0.1	0.3	<.1	273	4.64	0.085	5	11	2.4	145	0.369	1	2.94	0.023	0.23	0.4	0.02	8.2	0.2	0.15	16	<.5
390133	0.7	64.5	0.5	73	<.1	68	32.1	1200	5.65	1.8	0.1	1.2	0.3	41	0.1	0.1	<.1	184	6.42	0.051	3	108	2.59	53	0.367	<1	3.01	0.016	0.18	0.1	<.01	5.6	<.1	0.14	9	0.6
390134	0.8	19.8	9.9	24	0.4	13.6	13.8	187	2.97	10.5	0.1	<.5	0.3	10	<.1	0.7	<.1	32	0.25	0.021	2	63	0.99	39	0.009	1	0.91	0.023	0.16	0.3	<.01	2.6	<.1	1.41	4	<.5
390135	0.5	20.3	6.9	48	<.1	19.7	10.2	482	2.5	4.1	0.2	0.8	0.8	54	0.2	0.4	0.1	79	2.35	0.03	5	60	1.25	30	0.096	<1	1.24	0.017	0.23	0.1	0.01	5.7	0.1	0.12	7	<.5
390136	0.2	185.8	0.6	48	0.2	71.7	56.8	702	6.34	0.9	<.1	1.7	<.1	14	0.1	0.4	<.1	399	1.31	0.018	<1	85	3.3	7	0.612	<1	2.64	0.014	0.01	0.5	0.02	4.2	<.1	0.91	9	0.5
390137	0.4	130	0.7	43	<.1	14.2	53.9	607	7.74	17.4	<.1	18.6	0.2	11	0.1	0.2	<.1	276	1.17	0.072	2	4	1.88	10	0.392	<1	2.26	0.018	0.01	0.2	0.01	4	<.1	2.06	8	2.2
390138	0.7	913.6	0.5	49	0.3	56.1	36.3	460	4.31	8.1	<.1	3.7	0.4	35	0.5	0.2	<.1	202	1.19	0.264	6	21	1.94	3	0.247	<1	1.97	0.018	<.01	0.5	0.01	2.9	<.1	0.25	7	0.6
390139	0.5	120	0.6	43	<.1	16.9	43.4	606	6.51	3.5	<.1	0.9	0.3	12	<.1	0.3	<.1	203	1.98	0.052	2	5	1.92	3	0.348	<1	2.25	0.019	<.01	<.1	<.01	2.9	0.1	1.27	10	2.4
390140	0.5	32.2	0.7	70	<.1	4.6	31.9	433	5.96	<.5	<.1	0.6	0.3	9	<.1	0.1	<.1	206	0.68	0.058	2	1	1.27	16	0.266	<1	2.12	0.036	0.03	0.1	<.01	3.1	<.1	0.13	10	<.5
390141	0.3	36.5	0.5	53	<.1	3.4	29	317	4.78	<.5	<.1	<.5	0.2	10	0.1	0.1	<.1	220	0.85	0.064	2	1	0.95	30	0.233	<1	1.54	0.061	0.06	<.1	<.01	4.6	<.1	0.23	8	<.5
390142	0.5	40.8	0.4	63	<.1	4.4	40.2	538	7.14	2.5	0.1	2	0.5	32	0.1	0.1	<.1	373	2.26	0.087	3	1	1.47	95	0.31	<1	2.08	0.041	0.14	0.2	<.01	4.4	0.1	0.4	13	<.5
390143	0.4	46.7	1	77	<.1	4.4	46.4	543	7.23	1.1	0.1	0.8	0.4	18	0.1	0.1	<.1	262	1.63	0.148	4	<1	1.73	119	0.27	<1	2.24	0.034	0.14	0.1	<.01	3.7	0.1	0.36	13	0.6
390144	0.4	38	0.4	77	<.1	3.2	41.4	687	7.33	1	<.1	<.5	0.2	20	0.2	0.1	<.1	266	2.09	0.05	2	<1	1.72	40	0.286	<1	2.1	0.059	0.07	0.1	<.01	7.3	0.1	0.24	12	0.6
390145	0.3	51	0.3	60	<.1	10.4	44.4	308	6.94	0.6	<.1	<.5	0.3	10	0.1	0.2	<.1	447	0.87	0.104	3	2	1.25	7	0.236	<1	1.52	0.045	0.03	0.3	<.01	6.9	<.1	0.25	10	<.5
390146	136	>10000	59.8	564	44.4	29.4	1797	171	35.11	32.6	0.2	225.1	<.1	14	2.9	1.1	5.2	40	2.46	0.005	<1	27	0.54	3	0.063	<1	0.54	0.002	0.05	0.2	0.1	0.9	1.7	>10	6	>100

Acme file # A606901R Page 1 Received: NOV 21 2006 * 36 samples in this disk file.
Analysis: GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	S
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	pp
390078	0.2	796.3	3	358	0.1	63.7	27.6	832	4.6	1.6	0.1	1.4	0.1	18	0.7	0.1	0.1	130	2.27	0.058	1	157	2.91	7	0.312	2	2.61	0.016	0.04	<.1	0.01	3.3	<.1	0.41	9	<
390079	15.5	>10000	30	1514	7.2	27.9	669.7	424	24.75	<.5	<.1	13.6	<.1	2	4.5	0.3	4.9	53	0.12	0.004	<1	51	1.02	1	0.106	<1	1.2	0.002	<.01	0.1	0.39	2.8	0.4	>10	5	>10
390080	0.2	139.4	19.5	20	0.2	120.7	400.1	216	14.17	5.7	<.1	9.3	<.1	20	<.1	0.1	0.9	30	0.6	0.035	<1	34	0.81	2	0.153	5	0.8	0.014	<.01	0.1	0.05	1.8	<.1	>10	2	3
390081	2.1	347.9	56.6	357	1.3	37.9	35	371	10.05	13.7	0.2	27.5	0.1	13	2.3	1.6	0.1	81	0.65	0.064	1	59	1.55	1	0.403	1	1.57	0.017	<.01	<.1	0.2	4	0.1	7.3	7	1
390082	14.3	>10000	49.1	197	4.3	39.2	285.5	245	31.52	6.9	0.1	50.9	<.1	7	0.7	0.5	3.3	55	0.12	0.004	<1	38	1.17	1	0.094	<1	1.37	0.001	0.02	<.1	0.12	2.7	0.3	>10	5	88
390083	0.7	6171.7	10.6	1746	0.5	66.1	82.4	1431	7.35	3	0.1	8.7	0.1	59	5.1	0.2	<.1	188	3.76	0.058	2	167	3.41	2	0.305	<1	3.2	0.011	0.07	0.1	0.1	15.5	0.1	2.64	10	1
390084	1.5	4208	1.1	384	0.4	40.3	42	1162	6.03	<.5	<.1	0.5	<.1	10	1.1	0.1	0.2	120	0.51	0.064	2	110	2.54	2	0.239	<1	2.68	0.012	0.01	<.1	0.03	2.8	<.1	0.77	9	2
390085	21.5	>10000	4.2	651	10.2	19.1	138.5	1075	11.29	2	<.1	9.7	0.1	33	4.1	0.6	0.9	60	0.54	0.091	1	29	1.21	6	0.138	<1	1.66	0.002	0.01	0.1	0.17	2.4	<.1	4.54	8	43
390086	2.4	2694.3	0.2	148	0.1	4.6	8.9	316	1.87	1	<.1	<.5	<.1	1	0.6	0.1	<.1	27	0.11	0.008	<1	16	0.36	1	0.053	<1	0.54	0.002	0.01	<.1	0.01	1.9	<.1	0.19	2	3
390087	14	333.4	5.4	26	6.1	29.5	30.2	200	26.83	429.2	<.1	44.1	<.1	24	0.4	17.2	0.1	30	0.39	0.018	<1	23	0.41	2	0.162	<1	0.55	0.009	0.01	<.1	0.7	2.6	23.5	>10	2	2
390150	0.6	158.5	3.3	115	0.1	35.4	30.6	967	5.37	1.5	<.1	<.5	0.1	5	0.2	<.1	0.2	107	0.77	0.088	3	53	2.38	4	0.289	<1	2.28	0.019	0.05	<.1	0.01	2.9	0.1	1.23	10	1
390151	7.6	>10000	223	3819	37.3	27.5	299.2	61	37.02	177.3	<.1	48	<.1	3	11.6	2.5	<.1	11	0.21	0.001	<1	2	0.16	1	0.008	1	0.14	0.003	0.02	0.1	0.31	0.4	2.5	>10	7	>10
390152	1.1	73.9	1.9	131	<.1	11.2	17.5	906	5.83	<.5	<.1	<.5	0.2	6	0.1	<.1	<.1	63	0.75	0.233	5	16	1.84	1	0.207	1	2.12	0.019	0.01	<.1	<.01	2.1	<.1	1.01	13	0
390153	1.2	216	3.6	97	0.5	24.1	20.6	371	2.42	1.3	<.1	1.9	<.1	18	0.3	0.1	<.1	56	1.7	0.045	1	17	0.61	2	0.222	2	0.7	0.04	0.01	<.1	0.01	1.7	<.1	0.48	3	
390154	0.2	58.7	0.5	57	<.1	11.1	21.7	495	3.89	<.5	<.1	<.5	0.1	4	0.1	<.1	<.1	103	0.64	0.117	4	8	2.47	2	0.319	2	2.08	0.013	0.02	<.1	0.01	1.4	<.1	0.36	10	<
390155	0.3	119.5	0.5	40	<.1	31.9	17.8	527	3.15	<.5	<.1	<.5	0.1	52	0.1	<.1	<.1	62	4.81	0.044	1	46	1.55	2	0.224	<1	1.46	0.012	<.01	<.1	0.01	2.1	<.1	0.14	5	<
390156	1.6	58.7	0.9	43	<.1	8.6	16.5	468	4.77	<.5	0.1	<.5	1.2	19	0.3	<.1	<.1	28	2	0.106	10	8	0.95	3	0.147	2	1.09	0.03	0.01	0.1	0.01	1.7	<.1	1.82	6	<
390157	0.3	113.7	0.6	22	<.1	8.8	18.4	325	3.58	<.5	0.1	1.6	0.7	17	0.1	<.1	<.1	39	1.58	0.034	8	17	0.89	1	0.136	2	1.03	0.055	0.01	<.1	<.01	2.3	<.1	0.25	11	0
390158	0.3	62	2.4	53	<.1	30.1	37.3	449	5.99	<.5	<.1	<.5	0.1	10	<.1	<.1	<.1	302	0.7	0.102	3	20	2.06	2	0.255	1	1.8	0.022	0.07	<.1	<.01	3	<.1	0.64	8	<
390159	0.2	511.4	0.6	66	<.1	20.2	22.1	603	2.69	1.1	<.1	<.5	0.1	131	0.3	<.1	<.1	71	3.7	0.06	1	34	0.82	4	0.351	1	1.13	0.02	0.04	<.1	0.01	3.5	<.1	0.24	7	<
390160	1.6	157.6	16	355	0.4	44.2	24.2	789	13.3	6.8	0.2	5	0.2	4	0.3	1.6	0.1	205	0.39	0.094	2	144	5.47	3	0.45	1	4.79	0.008	0.05	0.1	0.03	12.2	0.2	1.71	18	2
390161	4.7	520.8	4.1	337	0.2	46.9	41.6	1036	9.2	3.9	0.2	4.5	0.1	5	0.5	0.1	0.1	162	0.58	0.081	2	127	3.47	3	0.333	<1	3.63	0.013	0.04	<.1	0.01	5.4	0.1	0.85	14	2
390347	0.2	110.3	2.6	103	<.1	55.7	28.2	980	5.03	1.2	<.1	<.5	0.1	10	0.2	0.1	<.1	134	1.71	0.052	1	166	2.94	4	0.267	1	2.68	0.016	0.06	<.1	<.01	3.2	<.1	0.31	10	<
390348	0.7	876.7	3.8	1066	0.2	54.6	40.2	1027	7.88	2.5	0.1	1.3	0.1	4	2.2	<.1	0.1	171	0.58	0.049	1	171	4.63	1	0.362	1	3.72	0.008	0.02	<.1	0.02	10.5	0.1	0.55	15	1
390349	6.4	220.1	22.5	457	8.3	7.7	7.2	124	18.25	57.6	<.1	62.9	<.1	<1	1.1	1.3	0.1	4	0.04	0.001	<1	15	0.06	3	0.031	<1	0.05	0.006	<.01	<.1	2.01	0.3	1.9	>10	<1	6
390350	0.2	115.2	2.7	353	0.3	69.5	27.7	634	3.82	2.4	0.1	1.1	0.1	21	0.8	0.1	<.1	96	1.21	0.048	1	181	2.39	5	0.268	<1	2.09	0.052	0.02	<.1	0.02	4.4	0.1	0.35	7	<
390417	0.2	60.5	0.2	57	<.1	36.7	26.6	686	4.14	<.5	<.1	<.5	0.1	10	0.1	<.1	<.1	77	1.11	0.061	2	42	1.85	12	0.246	1	2.01	0.018	0.19	<.1	0.02	2.1	<.1	0.14	7	<
390418	0.1	73.2	0.5	36	<.1	139	29.1	523	2.92	0.6	0.1	<.5	0.2	30	<.1	<.1	<.1	65	1.25	0.039	1	264	2.82	5	0.146	1	2.21	0.105	0.03	<.1	<.01	3.4	<.1	0.11	5	<
390419	0.4	63.8	0.4	33	<.1	185.4	31.7	477	2.91	1.6	0.1	1.3	0.1	48	0.1	<.1	<.1	61	2.16	0.033	1	465	2.91	5	0.139	1	2.22	0.096	0.04	<.1	0.01	3.7	<.1	0.15	5	<
390420	0.1	188.9	0.9	32	0.1	1528.4	96.7	634	5.35	<.5	0.1	2.6	0.2	6	0.1	0.3	<.1	20	0.16	0.018	2	177	12.56	19	0.024	76	1.47	0.002	0.04	<.1	<.01	3.3	<.1	0.06	3	0
390421	4.7	967.2	27	358	12.2	56.7	27.9	877	12.35	6.4	0.3	185	0.1	6	0.6	0.4	0.5	168	0.59	0.028	1	213	3.53	4	0.391	1	3.04	0.012	0.03	0.1	0.78	11	1	6.9	14	35
390422	2.6	364.8	5.6	302	0.3	79.5	31.4	1033	10.67	2.2	0.2	0.5	0.1	2	0.2	0.1	0.4	215	0.23	0.021	1	222	4.98	3	0.393	1	4.01	0.011	0.1	<.1	0.03	13.4	0.2	1.58	14	6
390423	1.2	162.6	2.1	275	0.2	35.4	24	825	4.57	0.8	<.1	0.7	0.1	15	0.6	<.1	0.1	84	1.59	0.075	2	100	2.04	3	0.295	1	2.02	0.017	0.03	<.1	0.02	3.6	<.1	0.62	9	0
390424	2	420.1	2.5	192	0.2	25.8	19	1593	10.64	<.5	0.1	0.7	0.2	4	0.2	<.1	0.1	172	0.49	0.115	3	118	4.3	3	0.363	1	3.97	0.014	0.04	0.1	0.01	6.9	0.1	0.54	17	2

MMI Analyses

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	1	10	0.1	10	1	10	10	5	5	100	10	1	0.5	0.5	1	1	1	5	1	5	0.5
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM	PPB	PPB
390251	34	3	<10	<0.1	1460	<1	290	10	35	78	<100	1120	5	2.4	2	5	7	11	<5	10	<5	<0.5
390252	25	4	<10	0.4	1810	<1	570	30	61	508	<100	5660	11	6.4	3.9	19	15	22	<5	48	23	<0.5
390253	<1	<1	<10	<0.1	<10	<1	<10	<10	<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5	<0.5
390254	41	5	<10	0.5	2160	<1	670	30	44	109	<100	3290	7	3.6	2.2	12	9	9	<5	39	19	<0.5
390255	48	9	<10	0.3	1940	<1	690	20	54	57	<100	1610	16	8	5	6	22	11	<5	83	7	<0.5
390256	34	9	<10	0.2	1520	<1	660	30	25	22	<100	2130	10	5.1	3	8	13	8	<5	72	<5	<0.5
390257	10	7	<10	0.1	730	<1	580	40	14	44	<100	700	7	3.4	2.1	6	9	5	<5	74	6	<0.5
390258	25	7	<10	0.3	1210	<1	580	30	35	54	<100	1410	13	6.1	4	6	18	10	<5	90	<5	<0.5
390259	36	4	<10	0.4	1370	<1	610	20	17	28	<100	1390	8	3.8	2.1	5	9	3	6	75	6	<0.5
390260	26	7	<10	0.3	780	<1	580	30	23	25	<100	1890	9	4.3	2.7	10	12	8	<5	52	<5	<0.5
390261	20	18	<10	0.1	490	<1	480	20	21	41	<100	2730	13	6.7	3.9	15	18	15	<5	33	5	<0.5
390262	16	85	<10	0.1	740	<1	370	20	161	31	<100	2410	82	47.3	16.4	35	82	61	<5	23	<5	<0.5
390263	11	25	<10	<0.1	410	<1	400	<10	18	25	<100	1370	18	8.8	5	12	26	21	<5	40	<5	<0.5
390264	42	39	<10	0.1	470	<1	440	20	106	57	<100	2670	52	28.3	13	37	65	58	<5	25	<5	<0.5
390265	4	68	<10	<0.1	470	<1	380	10	83	96	<100	1290	35	19.9	7.9	43	39	33	<5	8	<5	<0.5
390266	21	11	<10	0.2	730	<1	530	10	15	15	<100	740	8	3.8	2.3	7	10	5	<5	47	<5	<0.5
390267	5	87	<10	<0.1	600	<1	360	60	111	64	<100	1360	58	34.2	11.5	50	55	51	<5	9	<5	<0.5
390268	6	165	<10	<0.1	520	<1	150	<10	198	261	<100	1110	69	37.4	15.3	39	71	82	<5	7	<5	<0.5
390269	3	60	<10	<0.1	560	<1	330	20	68	49	<100	560	20	10.5	5.4	31	24	27	<5	9	<5	<0.5
390270	3	14	<10	<0.1	1510	<1	700	120	56	115	<100	380	12	7.1	2.6	21	12	11	<5	55	7	<0.5
390271	12	85	<10	0.1	720	<1	480	30	96	25	<100	1450	46	25.9	9.8	22	47	46	<5	12	<5	<0.5
390272	7	82	<10	0.1	1080	<1	470	20	84	15	<100	530	31	16.7	7.5	26	33	28	<5	40	<5	<0.5
390273	8	41	<10	<0.1	710	<1	540	30	26	43	<100	950	15	7.7	4	9	19	14	<5	28	<5	<0.5
390274	22	27	<10	0.2	1780	<1	720	10	43	30	<100	1390	20	11.2	6.7	17	28	25	<5	51	6	<0.5
390275	23	20	<10	0.2	1840	<1	580	20	57	27	<100	1690	17	8	6	18	25	21	<5	40	5	<0.5
390276	27	5	<10	0.2	1320	<1	680	30	16	34	<100	680	8	4.3	2.3	8	10	4	<5	62	6	<0.5
390277	47	5	<10	0.3	2770	<1	540	20	25	231	<100	1310	6	3.6	1.8	5	7	1	<5	52	8	<0.5
390278	31	4	<10	0.4	3190	<1	450	<10	10	191	<100	1730	5	2.5	1.2	4	5	<1	5	52	12	<0.5
390279	23	8	<10	0.4	1720	<1	580	60	60	178	<100	5460	11	6	3.4	32	13	16	<5	52	14	<0.5
390280	4	12	<10	0.2	1230	<1	590	20	34	79	<100	3090	10	5.2	3.2	14	13	13	<5	51	22	<0.5
390281	2	6	<10	<0.1	560	<1	480	30	6	8	<100	240	2	1.4	0.7	6	3	<1	<5	37	5	<0.5
390282	26	3	<10	0.5	1630	<1	250	<10	9	86	<100	1190	3	1.9	1.3	3	5	<1	8	33	20	<0.5
390284	51	4	<10	0.1	2500	<1	470	30	25	229	<100	2040	7	3.6	1.9	5	8	2	6	36	25	<0.5
390285	41	3	<10	<0.1	1100	<1	380	70	71	238	<100	3780	12	5.6	4.6	9	19	23	<5	17	17	<0.5
390286	43	2	<10	<0.1	1170	<1	260	40	60	251	<100	2220	8	3.8	3.6	7	14	19	<5	12	18	<0.5
390287	46	3	<10	0.1	2850	<1	400	20	31	168	<100	2170	7	3.1	2.8	5	11	8	<5	22	20	<0.5
390288	36	2	<10	0.1	1870	<1	350	30	39	128	<100	1710	7	3.7	3.1	6	12	10	<5	12	11	<0.5
390289	43	3	<10	0.2	1470	<1	380	70	65	130	<100	2230	11	5.7	4.8	10	17	18	<5	19	27	<0.5
390290	44	3	<10	0.2	2210	<1	400	40	34	148	<100	1850	7	3.4	2.3	5	10	5	<5	16	14	<0.5
390291	19	3	<10	<0.1	820	<1	390	10	16	57	<100	970	5	2.5	2.1	4	8	3	<5	20	<5	<0.5
390292	7	7	<10	<0.1	610	<1	560	20	8	20	<100	400	3	1.3	0.9	6	4	1	<5	33	<5	<0.5
390293	<1	12	30	0.3	1850	<1	430	<10	204	470	<100	410	31	18.5	10.7	127	39	85	<5	30	89	<0.5
390294	6	18	<10	0.1	840	<1	490	50	73	99	<100	1430	18	10.7	5.2	29	22	23	<5	45	8	<0.5
390295	1	19	20	0.3	1560	<1	250	<10	39	517	<100	3590	8	5.6	2.2	311	9	12	<5	37	16	<0.5
390296	<1	9	30	0.3	2470	<1	550	<10	178	184	<100	460	29	18.2	9.4	101	37	77	<5	33	105	<0.5
390297	14	2	<10	0.2	3000	<1	250	<10	8	106	<100	510	1	0.8	0.6	3	2	<1	7	18	8	<0.5
390298	13	2	<10	0.4	3100	<1	370	<10	<5	29	<100	270	<1	<0.5	<0.5	2	<1	<1	11	41	11	<0.5
390299	35	4	<10	0.2	2240	<1	460	20	29	102	<100	1870	8	3.8	2.5	5	11	4	5	26	11	<0.5
390300	14	14	<10	0.1	810	<1	520	30	42	21	<100	510	13	6.5	4.4	14	19	14	<5	38	6	<0.5
390301	6	14	<10	<0.1	510	<1	490	20	7	16	<100	560	4	1.9	1	8	4	<1	<5	39	<5	<0.5

	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
	1	5	10	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
390251	19	473	<10	<1	4	32	<1	6	5	<1	790	1	<1	<10	3.1	7	<0.5	1	2	32	2	60	8
390252	40	1440	<10	<1	8	20	<1	17	12	<1	1300	<1	2	<10	7.1	3	<0.5	6	<1	81	5	30	11
390253	<1	<5	<10	<1	<1	<5	<1	<5	<1	<1	<10	1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	<20	<5
390254	17	1090	<10	<1	4	11	<1	6	6	<1	1450	<1	1	<10	3	<3	<0.5	7	<1	51	3	40	5
390255	34	785	<10	<1	6	<5	<1	<5	15	<1	1910	<1	3	<10	2.4	<3	<0.5	15	<1	100	6	30	5
390256	22	859	<10	<1	4	15	<1	<5	9	<1	1400	<1	2	<10	2.3	<3	<0.5	5	<1	68	4	50	5
390257	14	585	<10	<1	3	<5	<1	<5	6	<1	1250	<1	1	<10	1.5	6	<0.5	3	<1	44	2	300	<5
390258	30	751	<10	<1	5	9	<1	6	12	<1	1190	<1	2	<10	2.4	<3	<0.5	5	<1	86	4	70	5
390259	12	473	<10	<1	2	10	<1	8	5	<1	1780	<1	1	<10	1.5	4	<0.5	3	<1	50	3	40	6
390260	22	967	<10	<1	4	24	<1	<5	8	<1	1170	<1	2	<10	1.9	5	<0.5	4	<1	58	3	150	<5
390261	35	699	<10	<1	7	45	<1	<5	12	<1	940	<1	2	<10	2.1	4	<0.5	7	<1	92	5	30	6
390262	139	1380	50	<1	26	23	<1	42	50	<1	990	<1	13	<10	4.6	5	<0.5	23	<1	526	33	80	15
390263	54	334	<10	<1	10	16	<1	<5	18	<1	910	<1	3	<10	3.2	16	<0.5	6	<1	100	6	70	7
390264	132	653	20	<1	25	21	<1	21	44	<1	820	<1	9	<10	3.5	9	<0.5	5	<1	312	21	140	10
390265	70	667	50	<1	14	10	<1	15	25	<1	610	<1	6	<10	2.2	16	<0.5	10	<1	207	15	100	11
390266	15	639	<10	<1	3	11	<1	<5	7	<1	1030	<1	1	<10	1.1	<3	<0.5	6	<1	50	3	<20	<5
390267	102	540	60	<1	20	20	<1	29	35	<1	720	<1	9	<10	4	21	<0.5	26	<1	366	25	220	21
390268	163	539	100	<1	33	67	<1	76	50	<1	340	<1	11	<10	20.1	254	<0.5	19	<1	349	28	120	43
390269	54	396	40	<1	11	27	<1	12	17	<1	530	<1	3	<10	3.1	30	<0.5	11	<1	109	8	250	17
390270	23	1060	20	<1	5	16	<1	9	7	<1	1620	<1	2	<10	2.4	5	<0.5	10	<1	78	6	860	6
390271	87	878	30	<1	17	30	<1	30	30	<1	850	<1	7	<10	3.4	7	<0.5	25	<1	319	18	40	15
390272	62	667	40	<1	12	20	<1	25	23	<1	1030	<1	5	<10	3	4	<0.5	21	<1	166	12	160	16
390273	33	1090	10	<1	6	20	<1	<5	12	<1	1110	<1	3	<10	1.2	7	<0.5	19	<1	93	5	230	<5
390274	57	636	<10	<1	11	<5	<1	<5	19	<1	1980	<1	4	<10	1.5	4	<0.5	13	<1	148	9	30	7
390275	53	738	20	<1	10	24	<1	<5	19	<1	1570	<1	3	<10	2.1	<3	<0.5	15	<1	96	6	100	10
390276	14	576	<10	<1	3	11	<1	6	6	<1	1590	<1	1	<10	1.2	<3	<0.5	5	<1	57	3	110	<5
390277	6	440	20	<1	1	30	<1	9	4	<1	1290	<1	1	<10	0.8	4	<0.5	2	<1	44	3	90	6
390278	3	423	<10	<1	<1	13	<1	<5	3	<1	1400	<1	<1	<10	0.6	<3	<0.5	4	<1	31	2	50	<5
390279	32	1920	30	<1	7	13	<1	11	10	<1	1400	<1	2	<10	4.1	<3	<0.5	10	<1	76	5	70	7
390280	29	1160	60	<1	6	10	1	6	10	<1	1410	<1	2	<10	2.8	<3	<0.5	8	<1	67	4	70	<5
390281	3	489	<10	<1	<1	14	<1	<5	2	<1	1170	<1	<1	<10	<0.5	<3	<0.5	19	<1	19	1	380	<5
390282	7	181	10	<1	2	15	<1	<5	3	<1	1440	<1	<1	<10	1.1	10	<0.5	6	<1	23	2	30	6
390284	9	725	30	<1	2	18	<1	8	5	<1	2030	<1	1	<10	1.9	<3	<0.5	3	<1	44	3	90	8
390285	49	1730	30	<1	10	28	1	8	15	<1	1500	<1	2	<10	8.1	10	<0.5	5	<1	80	4	140	14
390286	41	670	50	<1	8	24	2	7	12	<1	960	<1	2	<10	6.6	4	<0.5	2	<1	54	3	150	17
390287	23	498	20	<1	4	16	<1	<5	8	<1	1770	<1	1	<10	4.1	8	<0.5	10	<1	46	2	50	10
390288	28	456	30	<1	5	21	<1	6	9	<1	1300	<1	1	<10	5.1	3	<0.5	8	<1	49	3	70	11
390289	42	688	20	<1	8	22	<1	8	13	<1	1650	<1	2	<10	6	3	<0.5	13	<1	78	5	90	10
390290	17	801	10	<1	3	28	<1	7	7	<1	1340	<1	1	<10	2.8	<3	<0.5	5	<1	46	3	60	8
390291	14	503	<10	<1	3	18	<1	<5	6	<1	830	<1	1	<10	1.3	3	<0.5	2	<1	39	2	30	<5
390292	6	640	<10	<1	1	16	<1	<5	3	<1	1160	<1	<1	<10	0.6	7	<0.5	5	<1	20	1	180	<5
390293	141	1950	10	<1	30	32	9	77	35	<1	1060	<1	6	<10	14.1	14	<0.5	13	<1	218	19	50	42
390294	46	2470	30	<1	9	12	<1	11	15	<1	1260	<1	3	<10	2.2	<3	<0.5	12	<1	125	9	200	8
390295	26	2700	<10	<1	6	20	2	44	7	<1	750	<1	1	<10	3.9	56	<0.5	13	<1	58	6	60	27
390296	128	715	20	<1	27	44	11	61	31	<1	1190	<1	5	<10	11.9	17	<0.5	13	<1	206	18	30	22
390297	2	106	20	<1	<1	10	<1	<5	1	<1	1040	<1	<1	<10	1	<3	<0.5	2	<1	10	<1	<20	9
390298	<1	34	20	<1	<1	6	<1	<5	<1	<1	2140	<1	<1	<10	2.1	<3	<0.5	3	2	<5	<1	<20	10
390299	16	846	<10	<1	3	12	<1	6	7	<1	1050	<1	1	<10	2.9	<3	<0.5	7	<1	51	3	<20	<5
390300	37	1680	<10	<1	7	11	<1	<5	14	<1	1390	<1	2	<10	2.5	3	<0.5	6	<1	88	4	60	<5
390301	5	486	<10	<1	1	19	<1	<5	3	<1	1030	<1	<1	<10	0.7	5	<0.5	3	<1	27	1	130	<5

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	1	10	0.1	10	1	10	10	5	5	100	10	1	0.5	0.5	1	1	1	5	1	5	0.5
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM	PPB	PPB
390302	8	18	<10	<0.1	500	<1	440	30	27	36	<100	970	6	3.3	2	17	8	7	<5	35	7	<0.5
390303	17	13	<10	0.1	250	<1	560	10	13	61	<100	2010	5	2.8	1.4	12	6	3	<5	25	<5	<0.5
390304	6	7	<10	<0.1	160	<1	460	<10	14	87	<100	2520	12	6.8	2.8	12	16	7	<5	14	<5	<0.5
390305	18	52	<10	0.2	660	<1	450	40	93	34	<100	3220	29	15.4	8.4	38	38	34	<5	13	<5	<0.5
390306	24	33	<10	0.6	1370	<1	560	30	140	11	<100	1940	27	12.9	9.8	24	41	38	<5	48	<5	<0.5
390307	36	12	<10	0.3	1490	<1	680	40	64	142	<100	3740	16	7.9	5	14	21	14	<5	58	10	<0.5
390308	31	7	<10	0.3	1260	<1	640	20	54	47	<100	3660	16	8.1	5	10	21	13	<5	78	7	<0.5
390309	25	12	<10	0.2	810	<1	510	20	102	42	<100	2740	11	5.1	4.7	16	19	19	<5	36	11	<0.5
390310	8	19	<10	0.2	790	<1	470	10	201	176	<100	5430	25	12	10.4	42	40	57	<5	24	8	<0.5
390311	9	75	<10	<0.1	750	<1	420	20	67	16	<100	670	30	16.4	7.4	22	36	29	<5	40	<5	<0.5
390312	10	18	<10	0.1	290	<1	450	20	19	37	<100	1640	8	3.9	2.3	13	11	9	<5	16	<5	<0.5
390313	8	65	<10	<0.1	440	<1	380	40	42	57	<100	470	30	16.5	7	33	34	26	<5	32	<5	<0.5
390314	6	23	<10	<0.1	200	<1	470	30	14	29	<100	360	5	2.6	1.3	12	6	4	<5	20	<5	<0.5
390315	15	25	<10	<0.1	430	<1	520	20	35	56	<100	2130	13	7	4	31	18	17	<5	7	<5	<0.5
390316	2	46	<10	<0.1	490	<1	470	<10	31	80	<100	390	15	9.4	3.2	77	15	10	<5	2	<5	<0.5
390317	17	5	<10	0.3	490	<1	600	50	24	100	<100	1570	9	4.7	2.8	10	11	8	<5	43	13	<0.5
390318	7	7	<10	<0.1	590	<1	540	80	15	18	<100	200	2	1.2	0.7	8	3	<1	<5	66	<5	<0.5
390319	5	39	<10	0.1	620	<1	560	10	34	30	<100	1110	9	4.9	2.9	19	12	13	<5	45	8	<0.5
390320	11	22	<10	0.3	970	<1	530	30	82	78	<100	2660	22	11.2	7.2	20	31	32	<5	68	5	<0.5
390321	10	30	30	0.3	2520	<1	290	<10	108	875	<100	4480	29	19.1	7.7	306	29	37	<5	43	13	<0.5
390322	12	53	<10	0.1	1310	<1	540	10	50	33	<100	810	35	19.6	8.7	35	39	31	<5	41	<5	<0.5
390323	<1	13	10	0.3	1360	<1	560	20	101	220	<100	3010	23	13.3	7.2	66	27	39	<5	76	85	<0.5
390324	11	8	<10	0.2	770	<1	560	30	11	8	<100	590	6	3.2	1.7	7	8	3	<5	56	5	<0.5
390325	7	6	<10	0.2	620	<1	500	40	10	16	<100	530	4	2.2	1.4	7	5	2	<5	62	5	<0.5
390326	<1	20	20	0.2	1930	<1	290	<10	115	851	<100	930	22	14.3	7	224	26	43	<5	38	22	<0.5
390327	20	17	<10	0.1	1760	<1	580	30	34	23	<100	1420	10	5.2	3.7	16	15	14	5	43	7	<0.5
390328	42	4	<10	0.5	1670	<1	600	20	20	64	<100	2150	7	3.7	2.2	6	9	2	5	63	10	<0.5
390329	22	3	<10	0.2	950	<1	510	30	12	16	<100	720	8	4.2	2.4	11	10	4	6	107	6	<0.5
390330	38	6	<10	0.3	2690	<1	540	30	21	100	<100	1350	9	4.6	2.3	5	9	<1	<5	74	7	<0.5
390331	4	6	10	0.5	1790	<1	570	10	120	451	<100	4790	16	8.9	5.8	76	22	41	<5	60	47	<0.5
390332	42	3	<10	0.4	1790	<1	620	20	27	136	<100	3440	6	3.5	2.3	10	9	4	6	60	13	<0.5
390333	38	3	<10	0.3	1650	<1	570	20	20	39	<100	2720	5	2.6	1.8	6	7	2	<5	47	14	<0.5
390334	5	4	<10	<0.1	700	<1	530	30	12	27	<100	270	3	1.3	0.9	6	3	<1	<5	83	6	<0.5
390335	18	2	<10	<0.1	1180	<1	410	10	20	14	<100	960	5	2.2	2.1	8	8	7	<5	47	10	<0.5
390336	63	3	<10	<0.1	4130	<1	420	20	22	128	<100	1160	5	2.1	2	4	8	4	7	23	7	<0.5
390337	45	2	<10	<0.1	1710	<1	310	20	37	62	<100	890	6	2.5	2.7	3	10	11	<5	11	8	<0.5
390338	35	5	<10	0.1	1600	<1	520	30	25	20	<100	920	6	2.6	3.1	9	12	12	<5	18	7	<0.5
390339	58	3	<10	0.1	2640	<1	350	20	17	102	<100	1080	4	1.9	1.8	4	7	4	<5	14	13	<0.5
390340	52	2	<10	0.2	2230	<1	420	20	20	80	<100	1560	4	2	1.8	4	6	4	<5	14	11	<0.5
390341	60	3	<10	0.3	1670	<1	530	30	44	10	<100	2910	10	4.5	4.4	9	17	15	6	25	12	<0.5
390342	45	3	<10	0.5	1640	<1	620	20	36	9	<100	2840	9	4	4.1	10	15	15	7	20	10	<0.5
390343	11	7	<10	0.6	1200	<1	630	50	21	24	<100	1070	5	2.8	2	21	7	9	<5	26	9	<0.5
390344	48	5	<10	0.3	1650	<1	690	30	19	12	<100	1550	9	4.6	3.3	8	13	7	<5	35	11	<0.5
390345	27	7	<10	0.2	1550	<1	700	20	19	18	<100	710	9	4.3	2.9	8	12	6	<5	56	7	<0.5
390346	5	8	<10	0.3	1210	<1	580	60	26	247	<100	8130	8	4.9	2.7	20	10	9	<5	51	26	<0.5
DUP-390251	23	3	<10	<0.1	1270	<1	270	10	20	70	<100	970	4	1.7	1.6	4	5	4	<5	9	<5	<0.5
DUP-390263	9	28	<10	0.1	540	<1	450	<10	13	19	<100	1240	16	7.2	4.7	13	24	17	<5	48	<5	<0.5
DUP-390275	23	20	<10	0.2	1890	<1	610	20	63	20	<100	1480	15	6.5	6.3	19	24	22	<5	47	6	<0.5
DUP-390288	45	3	<10	0.2	2040	<1	410	30	39	127	<100	2080	7	3.3	2.9	7	11	9	<5	16	12	<0.5

	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
	1	5	10	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
390302	18	744	<10	<1	4	22	<1	<5	6	<1	850	<1	1	<10	2.2	7	<0.5	13	<1	38	2	500	<5
390303	10	948	<10	<1	2	37	<1	<5	4	<1	680	<1	<1	<10	1.1	4	<0.5	3	<1	34	2	60	<5
390304	26	345	<10	<1	5	11	<1	<5	10	<1	570	<1	2	<10	1.2	8	<0.5	<1	<1	90	5	140	<5
390305	79	1980	20	<1	15	17	1	13	27	1	930	<1	5	<10	2	3	<0.5	17	<1	184	11	80	9
390306	92	1790	<10	<1	17	6	<1	8	30	<1	1120	<1	5	<10	2.2	<3	<0.5	14	<1	172	9	50	8
390307	40	1650	<10	<1	7	12	<1	8	15	<1	1330	<1	3	<10	3.5	4	<0.5	9	<1	102	6	100	7
390308	39	1250	<10	<1	7	9	<1	8	15	<1	1300	<1	3	<10	2.9	11	<0.5	5	<1	107	6	100	6
390309	48	481	<10	<1	9	16	<1	<5	15	<1	1220	<1	2	<10	2.8	<3	<0.5	9	<1	71	4	20	6
390310	119	759	10	<1	23	13	1	13	33	<1	860	<1	5	<10	4.4	7	<0.5	9	<1	142	10	<20	12
390311	70	796	50	<1	13	56	<1	9	24	<1	1170	<1	5	<10	2.6	9	<0.5	16	<1	197	11	90	9
390312	23	602	<10	<1	4	16	<1	<5	8	<1	640	<1	1	<10	1.5	10	<0.5	4	<1	50	3	220	<5
390313	63	660	60	<1	12	40	<1	10	22	<1	880	<1	5	<10	1.7	9	<0.5	16	<1	189	11	80	5
390314	10	458	<10	<1	2	18	<1	<5	4	<1	660	<1	<1	<10	0.6	3	<0.5	2	<1	32	2	530	<5
390315	38	1160	10	<1	8	<5	<1	<5	13	<1	780	<1	2	<10	1.3	3	<0.5	7	<1	86	5	190	5
390316	24	399	90	<1	5	7	<1	9	10	<1	720	<1	2	<10	1.1	17	<0.5	7	<1	100	7	20	7
390317	20	734	<10	<1	4	19	<1	<5	7	<1	4280	<1	2	<10	2.3	8	<0.5	21	<1	59	4	320	<5
390318	3	789	<10	<1	1	12	<1	<5	2	<1	1140	<1	<1	<10	<0.5	<3	<0.5	13	<1	18	1	660	<5
390319	28	1160	<10	<1	6	<5	<1	<5	9	<1	5000	<1	2	<10	1.6	6	<0.5	30	<1	61	4	90	6
390320	76	1290	10	<1	15	13	<1	5	23	<1	1280	<1	4	<10	3	<3	<0.5	11	<1	138	8	240	7
390321	82	1800	<10	<1	17	<5	3	140	23	<1	730	<1	5	<10	8.4	36	<0.5	21	<1	193	19	70	58
390322	70	992	40	<1	13	8	<1	18	25	<1	1390	<1	6	<10	1.6	<3	<0.5	13	<1	224	14	170	8
390323	76	982	30	<1	15	17	8	49	21	<1	1450	<1	4	<10	9.3	8	<0.5	8	<1	157	13	140	23
390324	12	717	<10	<1	2	13	<1	<5	5	<1	1450	<1	1	<10	0.8	13	<0.5	4	<1	41	2	110	<5
390325	8	772	<10	<1	2	7	<1	<5	4	<1	1300	<1	<1	<10	0.7	<3	<0.5	4	<1	30	2	510	<5
390326	85	2360	<10	<1	18	6	2	110	22	<1	810	<1	4	<10	8.2	17	<0.5	33	<1	144	14	40	40
390327	31	1430	<10	<1	6	<5	<1	<5	11	<1	1760	<1	2	<10	1.3	<3	<0.5	26	<1	68	4	150	5
390328	12	481	<10	<1	2	22	<1	5	6	<1	1540	<1	1	<10	1.1	<3	<0.5	4	<1	52	3	40	<5
390329	15	646	<10	<1	3	41	<1	8	6	<1	1530	<1	1	<10	1.3	<3	<0.5	5	<1	60	3	170	<5
390330	9	321	30	<1	2	23	<1	9	5	<1	1990	<1	1	<10	1.2	8	<0.5	4	<1	55	3	140	5
390331	79	1670	10	<1	17	23	4	14	20	<1	1500	<1	3	<10	9.5	6	<0.5	18	<1	104	8	<20	14
390332	15	748	<10	<1	3	33	<1	<5	6	<1	1620	<1	1	<10	2.1	<3	<0.5	6	<1	47	3	20	7
390333	11	517	<10	<1	2	10	<1	<5	5	<1	1370	<1	<1	<10	1.4	<3	<0.5	11	<1	36	2	30	6
390334	5	498	<10	<1	1	32	<1	<5	2	<1	1420	<1	<1	<10	0.5	<3	<0.5	15	<1	18	<1	250	<5
390335	21	694	<10	<1	4	15	<1	<5	7	<1	1480	<1	<1	<10	2.1	3	<0.5	12	<1	30	2	20	<5
390336	16	376	30	<1	3	12	<1	<5	6	<1	1980	<1	<1	<10	2.4	<3	<0.5	5	<1	32	2	20	9
390337	28	296	40	<1	5	18	<1	<5	9	<1	1400	<1	1	<10	2.9	<3	<0.5	2	<1	38	2	40	11
390338	29	777	10	<1	6	17	<1	<5	9	<1	2120	<1	1	<10	3.2	3	<0.5	16	<1	40	2	20	<5
390339	16	348	30	<1	3	15	<1	<5	5	<1	1540	<1	<1	<10	2.6	<3	<0.5	4	<1	28	1	60	10
390340	14	388	30	<1	3	17	<1	<5	5	<1	1610	<1	<1	<10	2.8	10	<0.5	3	<1	29	1	180	11
390341	41	910	10	<1	7	21	<1	<5	14	<1	2000	<1	2	<10	4.2	<3	<0.5	7	<1	64	4	30	9
390342	38	814	20	<1	7	22	<1	<5	12	<1	2630	<1	2	<10	4.3	<3	<0.5	5	<1	58	3	40	7
390343	18	749	20	<1	4	11	<1	<5	6	<1	2430	<1	<1	<10	2.2	<3	<0.5	13	<1	39	2	140	<5
390344	21	452	<10	<1	4	16	<1	7	9	<1	2380	<1	2	<10	4.4	<3	<0.5	6	2	64	3	40	5
390345	22	385	<10	<1	4	15	<1	7	8	<1	2220	<1	2	<10	3.3	<3	<0.5	8	<1	56	3	110	<5
390346	22	1940	10	<1	5	19	1	11	7	<1	1730	<1	1	<10	3.2	<3	<0.5	11	<1	59	4	180	6
DUP-390251	13	329	<10	<1	3	31	<1	<5	4	<1	730	<1	<1	<10	2	6	<0.5	<1	<1	26	2	80	7
DUP-390263	52	329	<10	<1	9	18	<1	<5	18	<1	940	<1	3	<10	3.7	9	<0.5	7	<1	86	5	50	6
DUP-390275	58	587	10	<1	11	25	<1	<5	20	<1	1590	<1	3	<10	3.4	<3	<0.5	16	<1	84	5	90	11
DUP-390288	27	531	20	<1	5	20	<1	<5	9	<1	1530	<1	1	<10	4.9	<3	<0.5	8	<1	45	3	90	10

ANA_YTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb	Nd
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	1	10	0.1	10	1	10	10	5	5	100	10	1	0.5	0.5	1	1	1	5	1	5	0.5	1
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB
39C351	8	15	<10	0.4	790	<1	570	40	48	143	<100	4450	12	6.7	3.6	23	15	16	9	71	8	0.6	35
39C352	10	33	<10	0.1	890	<1	530	50	68	24	<100	1650	21	11.4	5.4	33	24	23	<5	52	5	<0.5	49
39C353	<1	36	50	0.1	1590	<1	250	<10	63	680	<100	120	14	9.4	3.7	343	14	19	<5	44	40	<0.5	40
39C354	13	12	<10	0.2	960	<1	540	40	57	107	<100	2090	11	5.4	3.3	16	14	11	<5	73	10	<0.5	28
39C355	11	66	<10	0.4	750	<1	440	20	56	53	<100	16400	17	10.4	4.6	27	20	24	<5	33	<5	<0.5	45
39C356	<1	71	20	0.2	710	<1	280	50	97	90	<100	22900	20	11.6	5.3	80	22	35	<5	28	8	0.7	60
39C357	2	6	<10	0.3	1170	<1	550	20	61	236	<100	5540	8	5.1	3	62	11	22	<5	61	34	<0.5	35
39C358	6	35	<10	<0.1	1070	<1	470	160	36	68	<100	3340	7	3.5	2.1	27	9	11	<5	38	21	<0.5	20
39C359	37	6	<10	0.2	790	<1	400	40	76	24	<100	1290	22	10.6	9	12	32	21	<5	65	11	<0.5	57
39C360	19	21	<10	0.1	540	<1	390	50	36	13	<100	450	14	6.8	5.4	25	20	21	<5	30	7	<0.5	45
39C361	20	47	<10	0.2	920	<1	390	110	158	12	<100	1500	42	18.7	16	29	63	81	<5	29	5	<0.5	161
39C362	22	35	<10	0.2	800	<1	470	120	53	13	<100	1170	20	10.3	6.6	46	26	30	<5	37	<5	<0.5	58
39C363	9	54	<10	<0.1	710	<1	390	140	49	48	<100	1070	25	14.1	7.3	60	30	28	<5	30	<5	<0.5	56
39C364	28	5	<10	0.4	1220	<1	560	40	26	74	<100	3090	8	4.4	2.6	8	11	6	5	122	15	<0.5	17
39C365	<1	16	30	0.2	2130	<1	370	10	155	617	<100	180	19	11.4	6	217	23	57	<5	53	54	<0.5	88
39C366	17	7	<10	0.4	1860	<1	550	30	44	249	<100	4440	9	4.5	3	13	13	11	<5	78	13	<0.5	27
39C367	13	44	<10	0.2	1360	<1	440	100	51	69	<100	720	24	11.9	7.2	20	32	36	<5	56	<5	<0.5	69
39C368	8	102	<10	<0.1	1110	<1	330	30	142	31	<100	930	38	18.9	9.5	34	42	53	<5	23	<5	<0.5	93
39C369	30	43	<10	0.3	1970	<1	460	<10	26	14	<100	1050	21	9.2	6.9	15	31	36	<5	44	<5	<0.5	76
39C370	5	25	<10	0.1	1300	<1	470	10	36	8	<100	190	8	4	2.5	13	12	11	<5	63	<5	<0.5	27
39C371	14	40	<10	0.2	1140	<1	320	<10	46	6	<100	470	17	7.6	6.3	13	27	43	<5	38	<5	<0.5	76
39C372	27	11	<10	0.4	1420	<1	560	20	34	49	<100	880	6	3.1	2	11	9	7	<5	52	5	<0.5	17
39C373	5	86	<10	<0.1	930	<1	330	40	106	78	<100	960	41	24.1	7.7	55	36	39	<5	42	<5	<0.5	71
39C374	9	52	<10	0.2	2580	<1	580	60	435	207	<100	6160	111	67.4	24.8	43	109	112	<5	85	11	<0.5	232
39C375	1	3	<10	<0.1	590	<1	300	20	13	73	<100	50	<1	<0.5	<0.5	26	1	1	<5	59	14	<0.5	2
39C376	11	17	<10	0.2	360	<1	410	10	88	57	<100	450	35	17	9.1	21	43	55	<5	67	5	<0.5	100
39C377	10	17	<10	0.5	1420	<1	560	10	33	178	<100	1310	8	3.6	2.5	20	10	15	<5	79	6	<0.5	27
39C378	13	17	<10	0.1	750	<1	460	10	35	76	<100	1680	10	5.1	3.3	18	14	15	<5	49	<5	<0.5	32
39C379	17	42	<10	0.2	860	<1	450	10	69	56	<100	1810	17	8.5	5.1	34	23	27	<5	30	<5	<0.5	54
39C380	24	66	<10	0.3	1750	<1	390	10	198	64	<100	4320	78	45.7	19.4	55	86	114	<5	31	<5	<0.5	192
39C381	9	118	<10	<0.1	1280	<1	270	10	146	23	<100	1770	59	33.8	11.9	34	54	56	<5	23	<5	<0.5	110
39C382	6	28	<10	<0.1	1060	<1	470	50	36	29	<100	760	11	6.2	2.8	30	12	12	<5	41	<5	<0.5	24
39C383	29	12	<10	0.4	1970	<1	550	40	102	74	<100	4350	29	14.8	8.5	13	39	33	<5	85	10	<0.5	77
39C384	12	21	<10	0.2	1160	<1	520	40	38	13	<100	2110	10	5.9	2.9	21	12	13	<5	80	7	<0.5	26
39C385	9	7	<10	0.6	2170	<1	500	70	85	204	<100	7460	13	7.8	4.4	38	18	31	<5	98	27	<0.5	56
39C386	33	4	<10	0.7	1760	<1	430	<10	7	153	<100	900	1	0.6	<0.5	4	1	<1	6	54	7	<0.5	<1
39C387	28	9	<10	0.2	790	<1	450	60	25	17	<100	1120	12	5.7	4.6	14	17	14	<5	44	8	<0.5	33
39C388	39	3	<10	0.2	1310	<1	330	130	12	117	<100	1820	5	2.6	2.1	4	8	3	6	41	59	<0.5	12
39C389	29	3	<10	<0.1	880	<1	280	70	8	35	<100	1010	4	2.2	1.6	4	5	1	<5	32	26	<0.5	7
39C390	38	3	<10	0.3	1050	<1	300	50	10	102	<100	1820	4	1.8	1.5	4	5	<1	<5	50	29	<0.5	7
39C391	26	11	<10	0.1	900	<1	480	60	11	19	<100	1220	6	3.1	2.2	8	8	5	<5	31	<5	<0.5	14
39C392	15	35	<10	0.2	840	<1	420	70	39	10	<100	840	18	8	7.1	15	27	31	<5	34	<5	<0.5	67
39C393	40	3	<10	0.2	760	<1	390	40	16	32	<100	2210	8	4	2.5	6	10	4	<5	38	9	<0.5	16
39C394	52	6	<10	0.2	1140	<1	550	90	19	83	<100	1660	4	2	1.6	8	6	2	<5	41	9	<0.5	9
39C395	13	17	<10	0.4	1070	<1	460	60	70	125	<100	12400	19	10.1	5.7	27	24	26	<5	73	29	<0.5	53
39C396	15	53	<10	0.6	1150	<1	510	20	76	19	<100	5110	19	9.7	5.3	65	23	32	<5	44	<5	<0.5	55
39C397	2	14	10	0.3	790	<1	400	<10	83	218	<100	4400	6	3.9	2.3	90	9	21	<5	53	50	0.8	33
39C398	<1	9	<10	0.3	780	<1	580	20	23	129	<100	4900	4	2.8	1.2	36	4	6	<5	62	20	0.5	11
39C399	14	3	<10	0.2	760	<1	490	30	27	120	<100	4560	7	4.1	2.3	19	9	9	<5	54	17	<0.5	19

ANALYTE	Ni	Pb	Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	5	10	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
390351	1980	20	<1	8	11	<1	15	11	<1	1700	1	2	<10	3	<3	<0.5	20	2	88	5	100	<5
390352	2040	30	<1	11	7	<1	22	17	<1	1480	<1	4	<10	2	<3	<0.5	11	1	154	9	340	<5
390353	1820	10	<1	10	17	5	106	12	<1	800	<1	3	<10	5.3	83	<0.5	21	<1	106	10	130	28
390354	1830	<10	<1	6	11	<1	14	10	<1	1530	<1	2	<10	3.1	<3	<0.5	9	<1	76	5	80	<5
390355	574	<10	1	11	71	<1	32	14	<1	800	<1	3	<10	4.1	10	<0.5	9	<1	126	9	100	8
390356	777	60	<1	14	155	6	67	17	<1	470	<1	4	<10	4.1	80	<0.5	10	<1	144	9	280	11
390357	1050	10	<1	9	<5	2	20	9	<1	1750	<1	2	<10	5	7	<0.5	11	<1	67	5	70	<5
390358	1530	300	<1	5	<5	4	9	7	<1	1060	<1	1	<10	2.5	9	<0.5	121	<1	47	3	120	<5
390359	357	20	<1	11	12	<1	17	22	<1	850	<1	5	<10	5	3	<0.5	11	<1	164	8	130	7
390360	377	20	<1	10	13	<1	13	15	<1	750	<1	3	<10	4.5	16	<0.5	8	<1	89	5	1080	8
390361	1150	40	<1	35	15	<1	12	49	<1	740	<1	9	<10	4.5	8	<0.5	38	<1	268	13	200	9
390362	1360	30	<1	13	17	<1	12	19	<1	990	<1	4	<10	2.3	6	<0.5	15	<1	144	8	620	<5
390363	1190	80	<1	12	16	<1	21	20	<1	770	<1	5	<10	2	14	<0.5	17	<1	188	10	670	5
390364	749	10	<1	4	19	<1	8	7	<1	1030	<1	2	<10	2.6	<3	<0.5	10	<1	67	4	160	<5
390365	1470	20	<1	22	11	3	65	21	<1	750	<1	4	<10	10.4	40	<0.5	37	<1	135	12	160	23
390366	551	30	<1	6	6	<1	11	10	<1	1040	<1	2	<10	3.6	<3	<0.5	4	<1	63	4	70	<5
390367	689	40	<1	15	22	<1	10	23	<1	890	<1	5	<10	1.9	7	<0.5	19	<1	169	9	460	<5
390368	891	80	<1	21	28	<1	39	31	<1	750	<1	7	<10	5.9	15	<0.5	27	<1	239	13	250	22
390369	285	20	<1	16	30	<1	10	24	<1	940	<1	4	<10	2.6	62	<0.5	16	<1	130	6	30	8
390370	167	10	<1	6	11	<1	7	9	<1	950	<1	2	<10	2.6	5	<0.5	6	<1	52	3	170	6
390371	188	20	<1	16	48	<1	10	21	<1	680	<1	4	<10	3.6	14	<0.5	11	<1	109	5	90	6
390372	317	<10	<1	4	21	<1	9	6	<1	1130	<1	1	<10	2.4	6	<0.5	4	<1	47	2	60	<5
390373	1150	80	<1	16	16	<1	42	24	<1	950	<1	7	<10	6.2	9	<0.5	27	<1	298	17	30	8
390374	2510	60	<1	49	<5	1	197	75	<1	1750	<1	19	<10	10.1	<3	<0.5	25	<1	742	51	340	35
390375	600	<10	<1	1	<5	<1	<5	1	<1	780	<1	<1	<10	<0.5	<3	<0.5	4	<1	7	<1	100	<5
390376	684	20	<1	22	30	<1	16	31	<1	870	<1	7	<10	11.8	6	<0.5	11	<1	238	11	180	<5
390377	575	<10	<1	7	8	<1	7	8	<1	1500	<1	2	<10	2.1	<3	<0.5	4	<1	53	3	150	<5
390378	745	20	<1	7	16	<1	8	11	<1	700	<1	2	<10	2.4	6	<0.5	5	<1	71	4	230	<5
390379	609	40	<1	12	16	<1	13	17	<1	780	<1	3	<10	2.4	4	<0.5	22	<1	110	7	120	6
390380	1580	40	<1	42	22	1	83	59	<1	700	<1	14	<10	7.7	13	<0.5	15	<1	581	38	110	33
390381	1270	70	<1	23	32	<1	112	37	<1	610	<1	10	<10	9.7	22	<0.5	18	<1	406	26	80	22
390382	997	30	<1	6	6	<1	12	8	<1	850	<1	2	<10	1.2	<3	<0.5	11	<1	77	5	330	<5
390383	749	50	<1	15	10	<1	20	27	<1	1000	<1	6	<10	5.1	<3	<0.5	8	<1	200	11	200	6
390384	744	20	<1	6	<5	<1	12	9	<1	870	<1	2	<10	3.3	<3	<0.5	12	<1	74	5	170	<5
390385	603	60	<1	13	9	4	24	15	<1	900	<1	3	<10	7.7	23	<0.5	43	<1	102	8	50	11
390386	200	10	<1	<1	12	<1	6	<1	<1	1040	<1	<1	<10	<0.5	<3	<0.5	1	<1	9	<1	70	<5
390387	535	<10	<1	7	6	<1	7	12	<1	760	<1	3	<10	3.1	4	<0.5	6	<1	91	5	340	<5
390388	327	30	<1	3	9	<1	14	5	<1	780	<1	1	<10	1.2	<3	<0.5	9	<1	43	2	230	5
390389	199	<10	<1	2	8	<1	14	3	<1	730	<1	<1	<10	0.5	<3	<0.5	10	<1	38	2	140	<5
390390	328	10	<1	2	7	<1	10	3	<1	950	<1	<1	<10	0.9	6	<0.5	10	<1	30	2	140	<5
390391	421	<10	<1	3	17	<1	7	6	<1	1300	<1	1	<10	2	<3	<0.5	6	<1	44	2	300	<5
390392	666	10	<1	14	13	<1	7	22	<1	1040	<1	4	<10	3.4	<3	<0.5	11	<1	118	6	640	<5
390393	424	<10	<1	3	14	<1	11	7	<1	1070	<1	2	<10	2.1	3	<0.5	7	<1	60	3	70	6
390394	894	<10	<1	2	8	<1	<5	4	<1	1640	<1	<1	<10	1.4	6	<0.5	20	<1	31	2	80	<5
390395	939	30	2	12	11	3	21	17	<1	1120	<1	4	<10	4.5	11	<0.5	56	<1	140	8	230	10
390396	639	30	1	13	17	1	35	17	<1	1060	<1	4	<10	2.8	8	<0.5	18	<1	126	7	60	7
390397	525	10	<1	9	18	3	15	8	<1	760	<1	1	<10	6.6	12	<0.5	17	<1	45	4	30	6
390398	860	20	<1	3	<5	2	11	4	<1	1640	<1	<1	<10	1.9	7	<0.5	32	<1	32	3	<20	<5
390399	690	<10	<1	4	20	<1	10	6	<1	900	<1	1	<10	2.8	<3	<0.5	5	<1	55	4	50	<5

ANA_YTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb	Nd
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	1	10	0.1	10	1	10	10	5	5	100	10	1	0.5	0.5	1	1	1	5	1	5	0.5	1
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB
39C400	20	5	<10	0.1	730	<1	500	50	13	31	<100	1100	5	2.5	1.5	8	6	2	<5	93	6	<0.5	8
39C401	2	6	10	0.5	2500	<1	560	20	88	337	<100	4890	14	8.5	4.7	57	18	30	<5	65	47	<0.5	56
39C402	40	5	<10	0.6	2600	<1	540	30	23	172	<100	4070	6	3.1	1.7	7	8	<1	9	61	12	<0.5	9
39C403	30	4	<10	0.4	2770	<1	470	30	8	287	<100	3070	2	1.2	0.6	5	3	<1	8	44	23	<0.5	1
39C404	3	8	20	0.4	1790	<1	390	10	265	297	<100	3150	31	17.4	10.8	87	43	108	<5	63	79	<0.5	162
39C405	11	17	<10	0.2	1020	<1	530	140	37	113	<100	4870	8	4.3	2.3	26	9	12	<5	71	12	<0.5	23
39C406	<1	12	40	0.3	1290	<1	320	10	221	179	<100	1300	27	16.6	9.2	139	37	92	<5	44	63	<0.5	145
39C407	16	15	<10	0.4	1200	<1	470	30	59	391	<100	2030	6	3.4	2.2	38	8	13	<5	83	36	<0.5	25
39C408	<1	26	<10	<0.1	680	<1	290	<10	32	311	<100	130	5	3	1.4	99	5	9	<5	74	49	<0.5	16
39C409	27	27	<10	0.3	1680	<1	450	30	208	110	<100	4710	41	21.2	12.2	37	54	72	<5	55	11	<0.5	142
39C410	12	31	<10	0.2	1410	<1	410	20	209	51	<100	2860	49	24.7	13.6	33	61	73	<5	54	<5	<0.5	139
39C411	7	47	<10	0.1	690	<1	420	30	60	41	<100	1180	33	18	7.3	44	36	28	<5	43	<5	<0.5	65
39C412	11	89	<10	0.2	780	<1	380	<10	74	61	<100	1610	34	20.3	7	44	34	29	<5	38	<5	<0.5	61
39C413	10	64	<10	0.2	1250	<1	450	10	116	50	<100	1460	35	18.4	8.5	57	40	44	<5	34	<5	<0.5	84
39C414	28	15	<10	0.5	2180	<1	600	10	98	74	<100	2610	17	7.7	5.6	18	24	24	<5	56	7	<0.5	53
39C415	26	9	<10	0.5	1330	<1	620	<10	36	126	<100	1970	13	5.8	3.5	7	16	10	<5	55	6	<0.5	27
39C416	34	14	<10	0.8	1430	<1	610	<10	10	10	<100	970	9	4.6	2.7	8	12	6	<5	99	<5	<0.5	19
39C425	17	40	<10	0.1	980	<1	550	<10	53	21	<100	1020	22	10.6	8	21	33	35	<5	66	<5	<0.5	83
39C426	12	43	<10	0.2	1610	<1	670	<10	36	<5	<100	490	13	6	4.5	8	18	16	<5	112	<5	<0.5	40
39C427	11	9	<10	<0.1	1360	<1	610	<10	15	11	<100	830	11	4.8	4.1	6	17	11	<5	57	<5	<0.5	35
39C428	66	81	<10	0.1	1680	<1	370	110	265	10	<100	1380	114	55.4	38.5	24	144	129	<5	31	<5	<0.5	302
39C429	29	119	<10	<0.1	1420	<1	280	10	231	20	<100	1130	151	83.1	29.9	37	133	97	<5	30	<5	<0.5	224
39C430	48	48	<10	0.2	2710	<1	590	60	58	8	<100	980	83	41.6	24	9	105	77	<5	73	<5	<0.5	186
39C431	39	6	<10	0.2	1350	<1	520	60	16	61	<100	1210	6	3.2	1.5	4	6	<1	<5	52	14	<0.5	5
39C432	22	45	<10	<0.1	1210	<1	450	20	31	5	<100	760	23	10.1	7.9	12	35	26	<5	33	5	<0.5	73
39C433	28	19	<10	0.7	1330	<1	540	40	15	8	<100	1140	14	6.1	5.1	10	21	16	<5	52	<5	<0.5	44
39C434	21	55	<10	0.2	2000	<1	410	10	33	12	<100	1050	56	25.6	16.1	12	77	60	<5	27	<5	<0.5	150
39C435	18	81	<10	0.1	1850	<1	370	30	47	22	<100	740	45	21.7	13.4	9	58	41	<5	21	<5	<0.5	109
39C436	70	11	<10	1.3	710	<1	450	30	47	10	<100	350	40	15.3	22.6	7	69	85	<5	21	7	<0.5	178
39C437	17	26	20	0.2	960	<1	320	20	138	23	<100	380	39	16.4	15.6	16	61	85	<5	27	7	<0.5	172
39C438	28	64	<10	0.8	2320	<1	380	<10	75	<5	<100	430	64	27.6	21.6	11	93	116	<5	53	<5	<0.5	234
39C439	27	8	<10	0.3	2770	<1	560	20	19	12	<100	1000	16	8.3	4.9	7	22	19	<5	28	<5	<0.5	49
39C440	18	22	<10	0.2	8930	<1	680	10	14	5	<100	260	10	5.2	2.9	10	13	12	<5	22	<5	<0.5	28
39C441	22	14	<10	0.5	2580	<1	580	<10	10	7	<100	1100	5	2.8	1.7	9	8	6	7	27	5	<0.5	15
39C442	36	25	<10	0.9	5200	<1	530	<10	20	10	<100	2670	18	9.7	5.3	10	24	20	10	72	6	<0.5	49
39C443	57	24	<10	1.2	3320	<1	490	<10	25	16	<100	5070	14	8.1	3.6	13	17	13	11	64	6	<0.5	33
39C444	34	14	<10	0.8	3940	<1	620	<10	30	18	<100	3500	10	4.8	3.4	11	15	15	9	52	<5	<0.5	36
DUP-390351	8	15	<10	0.2	1080	<1	540	30	42	109	<100	3990	12	6.9	3.3	23	15	16	<5	68	6	<0.5	33
DUP-390363	14	54	<10	0.1	820	<1	390	140	47	42	<100	1150	32	18.3	9.3	51	37	31	<5	31	<5	<0.5	62
DUP-390375	<1	3	<10	<0.1	530	<1	300	20	<5	51	<100	30	<1	<0.5	<0.5	27	<1	<1	<5	60	11	<0.5	<1
DUP-390387	32	9	<10	0.2	770	<1	460	60	27	21	<100	1220	15	7.5	5.6	15	20	17	<5	46	8	<0.5	39
DUP-390397	<1	14	20	0.3	860	<1	400	<10	86	235	<100	4050	7	4.1	2.4	106	9	23	<5	53	53	0.6	36
DUP-390411	6	49	<10	0.3	690	<1	450	20	52	37	<100	1210	33	18.3	7	39	35	25	<5	48	<5	<0.5	60
DUP-390431	40	7	<10	0.2	1370	<1	540	60	21	60	<100	1570	8	4	2.1	5	9	1	<5	50	15	<0.5	10
DUP-390443	54	23	<10	1.1	3280	<1	510	<10	25	18	<100	5040	14	8.1	3.6	13	17	12	11	62	6	<0.5	32

ANALYTE	Ni	Pb	Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	5	10	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
390400	809	10	<1	2	6	<1	6	4	<1	910	<1	<1	<10	1.7	14	<0.5	9	<1	33	2	210	<5
390401	564	70	<1	13	6	8	21	15	<1	940	<1	3	<10	10.7	<3	<0.5	23	<1	107	8	40	8
390402	627	30	<1	2	7	<1	8	5	<1	960	<1	1	<10	1.8	<3	<0.5	6	<1	44	2	50	<5
390403	336	30	<1	<1	13	<1	8	2	<1	910	<1	<1	<10	1.1	<3	<0.5	4	<1	17	<1	90	<5
390404	516	40	<1	39	33	7	70	38	<1	680	<1	6	<10	23.1	17	<0.5	11	<1	221	17	50	35
390405	1300	30	<1	6	6	<1	9	7	<1	810	<1	1	<10	3.7	5	<0.5	15	<1	59	4	180	<5
390406	671	40	<1	35	20	7	60	34	<1	530	<1	6	<10	12.7	16	<0.5	9	<1	200	17	70	36
390407	597	20	<1	6	<5	2	14	7	<1	820	<1	1	<10	6.8	10	<0.5	16	<1	40	3	50	8
390408	911	10	<1	5	<5	2	14	5	<1	650	<1	<1	<10	2.1	25	<0.5	27	<1	35	3	110	<5
390409	605	90	<1	31	18	1	45	42	<1	820	<1	8	<10	5.1	<3	<0.5	62	<1	275	17	150	14
390410	529	90	<1	30	17	<1	51	45	<1	730	<1	10	<10	6.3	12	<0.5	25	<1	298	18	110	17
390411	488	40	<1	13	10	<1	21	23	<1	760	<1	6	<10	1.8	8	<0.5	4	<1	242	13	360	6
390412	707	40	<1	13	16	<1	38	22	<1	690	<1	6	<10	3.4	13	<0.5	14	<1	238	15	100	21
390413	1080	80	<1	19	15	<1	39	29	<1	960	<1	7	<10	3.6	12	<0.5	14	<1	210	14	40	16
390414	595	30	<1	11	11	<1	7	18	<1	1210	<1	4	<10	4.5	<3	<0.5	14	<1	100	6	30	<5
390415	1020	10	<1	6	14	<1	7	11	<1	1190	<1	3	<10	4.4	9	<0.5	9	<1	80	4	30	<5
390416	370	<10	<1	4	16	<1	<5	8	<1	1160	<1	2	<10	2.3	<3	<0.5	14	<1	61	3	<20	<5
390425	674	20	<1	17	5	<1	<5	26	<1	1910	<1	5	<10	2.1	4	<0.5	10	<1	146	7	70	<5
390426	199	10	<1	8	11	<1	<5	13	<1	2440	<1	3	<10	2.8	<3	<0.5	5	<1	70	4	<20	<5
390427	277	<10	<1	7	9	<1	<5	13	<1	1610	<1	2	<10	2	<3	<0.5	4	<1	71	3	50	<5
390428	1020	50	<1	60	20	<1	22	103	<1	1150	<1	23	<10	3.8	4	<0.5	34	<1	727	38	620	11
390429	838	110	<1	45	14	<1	53	81	<1	1140	<1	26	<10	7.4	8	<0.5	31	<1	941	55	80	8
390430	1120	20	<1	35	7	<1	8	69	<1	1870	<1	16	<10	1.8	<3	<0.5	16	<1	562	26	70	<5
390431	273	10	<1	1	10	<1	5	3	<1	1610	<1	1	<10	<0.5	<3	<0.5	6	<1	44	2	80	<5
390432	486	20	<1	14	6	<1	<5	26	<1	1140	<1	5	<10	1.1	4	<0.5	9	<1	144	6	40	<5
390433	606	10	<1	9	9	<1	<5	16	<1	1370	<1	3	<10	1.7	16	<0.5	9	<1	92	4	50	<5
390434	256	20	<1	29	19	<1	6	53	<1	1310	<1	11	<10	3.4	7	<0.5	10	<1	329	16	90	5
390435	281	40	<1	21	20	<1	5	40	<1	1200	<1	9	<10	1.7	6	<0.5	15	<1	279	14	100	<5
390436	174	40	<1	34	8	<1	<5	54	<1	1170	<1	9	<10	2.7	6	<0.5	7	<1	249	9	40	<5
390437	244	20	<1	35	17	<1	<5	50	<1	1040	<1	9	<10	5.4	16	<0.5	6	<1	221	10	40	7
390438	180	20	<1	48	34	<1	10	72	<1	1400	<1	14	<10	2.4	<3	<0.5	6	<1	386	16	30	<5
390439	248	<10	<1	10	13	<1	<5	16	<1	1020	<1	3	<10	2.3	<3	<0.5	7	<1	123	6	20	<5
390440	474	10	<1	6	<5	<1	<5	9	<1	1080	<1	2	<10	1	5	<0.5	14	<1	75	4	60	<5
390441	546	<10	<1	4	<5	<1	<5	5	<1	820	<1	1	<10	0.6	<3	<0.5	17	<1	42	2	20	<5
390442	581	<10	<1	10	6	<1	<5	17	<1	1290	<1	4	<10	1.4	<3	<0.5	25	<1	125	7	30	<5
390443	585	<10	<1	7	9	<1	<5	11	<1	1240	<1	3	<10	0.7	<3	<0.5	6	<1	96	6	<20	<5
390444	495	<10	<1	8	<5	<1	<5	12	<1	1320	<1	2	<10	1.6	7	<0.5	10	<1	67	3	<20	<5
DUP-390351	1720	20	<1	8	11	<1	8	11	<1	1530	<1	2	<10	1.8	<3	<0.5	20	<1	84	6	90	<5
DUP-390363	1240	60	<1	13	19	<1	19	23	<1	780	<1	6	<10	2	15	<0.5	22	<1	225	13	600	5
DUP-390375	475	<10	<1	<1	<5	<1	<5	<1	<1	760	<1	<1	<10	<0.5	8	<0.5	4	<1	5	<1	130	<5
DUP-390387	586	<10	<1	8	5	<1	6	14	<1	800	<1	3	<10	3.4	<3	<0.5	7	<1	109	6	280	<5
DUP-390397	533	10	<1	9	18	3	15	9	<1	770	<1	1	<10	6	19	<0.5	18	<1	47	4	20	7
DUP-390411	494	40	<1	12	8	<1	22	22	<1	790	<1	6	<10	1.5	7	<0.5	5	<1	243	13	260	5
DUP-390431	311	10	<1	2	10	<1	6	5	<1	1520	<1	1	<10	2	<3	<0.5	7	<1	56	3	90	<5
DUP-390443	568	<10	<1	7	7	<1	<5	11	<1	1280	<1	3	<10	1.2	<3	<0.5	6	<1	95	6	<20	<5

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb	Nd
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	1	10	0.1	10	1	10	10	5	5	100	10	1	0.5	0.5	1	1	1	5	1	5	0.5	1
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB
391901	16	13	<10	<0.1	640	<1	350	30	41	30	<100	750	12	5.3	5.8	12	20	20	<5	17	6	<0.5	49
391902	28	9	<10	<0.1	790	<1	570	10	7	19	<100	680	1	0.6	0.6	4	2	<1	<5	14	<5	<0.5	<1
391903	40	3	<10	0.4	2060	<1	470	30	13	40	<100	1310	8	3.3	2.3	3	10	<1	9	34	8	<0.5	8
391904	22	11	<10	0.4	2810	<1	600	50	35	9	<100	1200	29	12.7	9.4	8	40	21	10	40	9	<0.5	65
391905	26	12	<10	0.4	4010	<1	590	20	48	8	<100	1000	25	10.9	8.2	8	35	22	12	76	<5	<0.5	66
391906	29	10	<10	0.3	2320	<1	600	10	17	<5	<100	1120	13	5.5	4.9	6	21	12	6	53	<5	<0.5	41
391907	30	52	<10	0.2	3250	<1	650	<10	267	<5	<100	590	216	102	58.2	12	250	220	7	79	<5	<0.5	498
391908	35	38	<10	0.2	1710	<1	590	<10	428	<5	<100	1180	219	106	62.5	9	283	152	10	81	<5	<0.5	531
391909	15	59	<10	<0.1	1670	<1	470	<10	170	<5	<100	510	92	45.8	24.5	17	112	138	<5	40	<5	<0.5	265
391910	51	4	<10	1.2	4330	<1	600	50	7	11	<100	1310	12	5.5	3	2	14	<1	19	180	5	<0.5	7
391911	32	3	<10	0.6	12200	<1	590	<10	<5	<5	<100	220	2	1.4	0.5	2	3	<1	9	204	<5	<0.5	<1
391912	29	3	<10	1	6700	<1	550	10	22	133	<100	1440	8	3.9	2.3	4	11	3	7	54	5	<0.5	16
391913	29	5	<10	0.4	9050	<1	640	20	11	24	<100	1440	12	5.5	3	3	14	<1	<5	84	5	<0.5	13
391914	44	3	<10	0.6	4170	<1	380	10	11	10	<100	350	5	2.7	1.4	2	6	<1	5	39	5	<0.5	6
391915	3	14	<10	0.2	2910	<1	430	30	48	44	<100	850	22	10.4	6.3	15	27	24	5	76	<5	<0.5	53
391916	17	16	<10	0.3	2730	<1	410	30	130	24	<100	1260	38	17.4	12.7	16	53	52	<5	50	6	<0.5	116
391917	51	4	<10	0.7	1740	<1	660	30	25	31	<100	3370	9	4.4	2.7	4	12	5	9	59	10	<0.5	18
391918	38	3	<10	1.4	1030	<1	370	<10	8	61	<100	740	3	1.5	0.7	2	3	<1	13	83	13	<0.5	<1
391919	38	3	<10	0.2	4190	<1	500	20	14	31	<100	720	4	1.8	0.9	2	4	<1	7	35	8	<0.5	<1
391920	1	6	<10	0.7	5720	<1	620	<10	214	405	<100	2970	28	15.1	9.6	66	37	81	<5	34	30	<0.5	143
391921	4	12	<10	<0.1	1070	<1	350	30	23	<5	<100	80	14	6.9	3.6	11	16	8	<5	81	<5	<0.5	24
391922	31	6	<10	0.4	5870	<1	620	<10	19	<5	<100	1660	14	6.3	4.3	7	19	9	16	58	<5	<0.5	31
391923	16	5	<10	0.6	2860	<1	510	50	47	207	<100	4560	11	5.9	3.3	17	14	15	24	78	10	<0.5	34
391924	44	8	<10	0.4	10200	<1	760	<10	13	<5	<100	1320	19	8.6	5.3	5	25	13	8	43	<5	<0.5	40
391925	15	7	<10	0.1	4930	<1	580	40	15	<5	<100	360	6	3	2	7	8	5	<5	37	<5	<0.5	16
391926	16	24	<10	0.4	4810	<1	450	<10	17	<5	<100	710	11	4.8	3.6	6	16	9	<5	63	<5	<0.5	29
391927	16	16	<10	0.3	2480	<1	440	40	25	13	<100	720	22	10	7.1	10	30	19	<5	66	<5	<0.5	53
391928	20	27	<10	0.4	2190	<1	410	40	173	6	<100	680	62	25.1	21.6	14	89	88	<5	49	<5	<0.5	199
391929	38	12	<10	0.4	16800	<1	520	50	35	22	<100	1320	60	29.8	12.9	6	63	17	7	107	<5	<0.5	58
391930	34	4	<10	0.4	19300	<1	410	40	17	6	<100	910	54	24.5	10.2	3	60	11	<5	102	<5	<0.5	50
391931	24	3	<10	0.6	17100	<1	600	20	<5	<5	<100	510	10	5.6	1.2	2	9	<1	<5	96	<5	<0.5	<1
391932	43	5	<10	0.7	9480	<1	560	20	15	9	<100	940	11	4.9	2.1	2	12	<1	<5	45	<5	<0.5	7
391933	23	4	<10	0.7	10400	<1	510	<10	8	14	<100	2470	12	5.2	2.2	3	14	<1	<5	29	<5	<0.5	8
391934	57	5	<10	0.6	2240	<1	510	30	11	12	<100	1220	11	4.9	3.1	3	14	2	<5	41	<5	<0.5	19
391935	41	4	<10	0.3	1740	<1	570	20	27	20	<100	1340	11	5.1	4	5	17	7	<5	44	12	<0.5	28
391936	36	5	<10	0.3	2130	<1	570	20	20	31	<100	1150	13	5.7	3.6	4	15	1	<5	36	6	<0.5	17
391937	65	18	<10	0.2	2090	<1	430	30	35	7	<100	1520	40	16	15.6	7	67	41	<5	11	7	<0.5	143
391938	25	8	<10	0.2	1140	<1	670	30	13	5	<100	730	11	4.7	3.6	7	15	6	<5	47	<5	<0.5	26
391939	15	13	<10	0.1	820	<1	530	20	14	6	<100	480	10	4.2	3.5	5	14	6	<5	33	<5	<0.5	25
391940	22	14	<10	<0.1	380	<1	350	<10	14	11	<100	530	12	5.2	4.6	4	21	13	<5	14	<5	<0.5	47
391951	16	29	<10	0.1	1000	<1	490	<10	57	12	<100	770	27	12.3	9.6	18	41	39	<5	41	<5	<0.5	99
391952	11	28	<10	0.1	1760	<1	610	<10	41	<5	<100	420	14	5.9	5.5	7	21	18	<5	69	<5	<0.5	51
391953	13	6	<10	<0.1	1170	<1	480	10	15	7	<100	570	11	4.5	3.8	4	16	7	<5	30	<5	<0.5	29
391954	48	49	<10	0.1	1650	<1	320	100	225	7	<100	1120	105	49.7	35.4	16	134	111	<5	20	<5	<0.5	271
391955	41	85	<10	0.1	1390	<1	250	10	252	17	<100	810	138	71.2	32.3	27	137	109	<5	17	<5	<0.5	258
391956	47	31	<10	0.3	3040	<1	540	80	78	5	<100	750	91	42	27.1	7	119	81	<5	52	<5	<0.5	215
391957	39	5	<10	0.2	1640	<1	510	60	26	44	<100	1420	8	4.4	2.3	4	10	<1	<5	31	17	<0.5	9
391958	30	36	<10	0.1	1320	<1	450	20	31	<5	<100	610	28	11.6	9.5	8	43	26	<5	23	6	<0.5	80
391959	28	15	<10	0.2	1560	<1	600	30	15	<5	<100	900	14	5.9	5.4	9	22	14	<5	41	5	<0.5	44
391960	17	38	<10	0.2	2030	<1	410	10	40	8	<100	750	50	21.4	14.3	11	68	47	<5	20	<5	<0.5	130
391961	17	53	<10	0.1	1840	<1	330	30	51	17	<100	620	44	18.9	13.1	8	60	36	<5	13	6	<0.5	107
391962	68	9	<10	1.6	650	<1	400	20	47	7	<100	280	42	15.3	22.3	5	73	67	<5	13	7	<0.5	168
391963	21	22	20	0.3	1030	<1	320	20	139	15	<100	370	48	20.2	18.3	13	74	86	<5	18	8	<0.5	190
391964	25	44	<10	0.5	1870	<1	310	<10	68	7	<100	430	57	24.1	18.5	10	80	78	<5	29	<5	<0.5	182
391965	25	6	<10	0.2	2770	<1	500	30	15	7	<100	860	19	8.6	5	6	24	15	<5	19	6	<0.5	43
391966	14	18	<10	0.1	8240	<1	570	20	16	8	<100	240	11	5.4	3	8	14	10	<5	14	<5	<0.5	25
391967	23	12	<10	0.6	2730	<1	590	<10	11	<5	<100	930	6	3.1	2	8	9	4	<5	18	6	<0.5	13
391968	42	32	<10	1.1	7790	<1	710	<10	24	10	<100	2620	30	15.3	7.9	11	37	23	5	51	6	<0.5	63
391969	49	20	<10	1.4	5200	<1	620	<10	28	13	<100	4720	17	9	4.5	14	22	14	5	45	7	<0.5	37
391970	52	15	<10	1.1	4770	<1	660	<10	35	22	<100	3450	16	7.6	4.7	11	22	15	6	44	5	<0.5	41
DUP-391901	12	15	<10	<0.1	980	<1	380	40	44	31	<100	810	14	6.1	5.8	13	20	21	<5	19	6	<0.5	46
DUP-391913	34	6	<10	0.5	8590	<1	650	30	24	30	<100	1740	15	6.8	4.1	4	19	4	<5	79	6	<0.5	21
DUP-391925	16	10	<10	0.3	5380	<1	670	60	15	9	<100	330	8	4.3	2.5	8	10	5	<5	44	<5	<0.5	15
DUP-391937	72	23	<10	0.2	2310	<1	440	40	30	14	<100	2050	46	20	17.1	10	74	42	<5	11	8	<0.5	151
DUP-391959	30	21	<10	0.2	1420	<1	530	20	16	6	<100	1040	17	7.4	6.3	10	27	17	<5	35	5	<0.5	49

ANALYTE	Ni	Pb	Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	5	10	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
391901	326	30	<1	9	22	<1	<5	16	<1	920	1	3	<10	4.6	8	<0.5	7	2	69	4	190	<5
391902	59	10	<1	<1	12	<1	<5	<1	<1	2270	<1	<1	<10	1	<3	<0.5	6	<1	8	<1	70	<5
391903	255	<10	<1	<1	<5	<1	<5	6	<1	1490	<1	1	<10	1.7	<3	<0.5	4	<1	47	2	40	<5
391904	577	10	<1	11	7	<1	<5	26	<1	2080	<1	6	<10	3	<3	<0.5	20	<1	160	8	50	<5
391905	702	<10	<1	12	5	<1	<5	26	<1	2240	<1	5	<10	2.3	<3	<0.5	14	<1	131	7	20	<5
391906	713	<10	<1	7	5	<1	<5	16	<1	2790	<1	3	<10	1.4	<3	<0.5	15	<1	75	4	<20	<5
391907	575	30	<1	95	16	<1	22	172	<1	3300	<1	39	<10	5.6	<3	<0.5	35	<1	1110	60	<20	7
391908	617	<10	<1	90	18	<1	21	191	<1	3020	<1	41	<10	6.4	<3	<0.5	92	<1	1100	65	30	14
391909	659	20	<1	53	9	<1	15	82	<1	1730	<1	17	<10	5.1	<3	<0.5	77	<1	551	30	<20	<5
391910	119	<10	1	<1	<5	<1	<5	6	<1	5320	<1	2	<10	<0.5	<3	<0.5	8	<1	71	3	40	<5
391911	40	<10	<1	<1	10	<1	<5	1	<1	6250	<1	<1	<10	<0.5	<3	<0.5	1	<1	16	1	<20	<5
391912	596	20	<1	3	13	<1	<5	7	<1	2560	<1	2	<10	1.3	<3	<0.5	4	<1	51	3	30	<5
391913	417	<10	<1	2	13	<1	<5	8	<1	3000	<1	2	<10	1.2	<3	<0.5	10	<1	70	3	30	<5
391914	151	110	<1	<1	18	<1	<5	4	<1	1600	<1	<1	<10	1	<3	<0.5	2	<1	36	2	20	<5
391915	808	20	<1	10	6	<1	<5	18	<1	1580	<1	4	<10	1.3	<3	<0.5	8	<1	129	8	220	<5
391916	561	20	<1	22	16	<1	<5	38	<1	1460	<1	8	<10	5.4	<3	<0.5	10	<1	201	11	300	7
391917	540	<10	<1	3	<5	<1	<5	7	<1	1550	<1	2	<10	1.4	<3	<0.5	8	<1	57	3	100	<5
391918	149	30	<1	<1	<5	<1	<5	2	<1	1510	<1	<1	<10	<0.5	5	<0.5	7	<1	17	1	20	<5
391919	104	20	<1	<1	16	<1	<5	2	<1	1480	<1	<1	<10	<0.5	<3	<0.5	2	<1	23	1	<20	<5
391920	1250	20	<1	31	6	2	22	34	<1	1880	<1	5	<10	10.8	<3	<0.5	22	<1	157	14	<20	14
391921	387	<10	<1	4	6	<1	<5	10	<1	1070	<1	2	<10	0.7	<3	<0.5	6	<1	88	5	30	<5
391922	426	<10	<1	6	6	<1	<5	13	<1	1890	<1	3	<10	1.1	<3	<0.5	13	<1	80	4	<20	<5
391923	1120	<10	<1	7	<5	<1	<5	11	<1	1690	<1	2	<10	1.6	<3	<0.5	24	<1	65	5	140	<5
391924	516	<10	<1	7	11	<1	<5	16	<1	2080	<1	4	<10	1.3	<3	<0.5	21	<1	109	5	<20	<5
391925	379	<10	<1	3	<5	<1	<5	6	<1	1170	<1	1	<10	0.8	<3	<0.5	34	<1	43	2	<20	<5
391926	333	<10	<1	5	16	<1	<5	11	<1	1080	<1	2	<10	0.9	<3	<0.5	12	<1	58	3	<20	<5
391927	410	10	<1	10	<5	<1	<5	21	<1	1780	<1	4	<10	0.7	<3	<0.5	8	<1	125	6	200	<5
391928	368	20	<1	38	12	<1	<5	66	<1	1560	<1	13	<10	2.5	<3	<0.5	10	<1	302	15	40	5
391929	694	10	1	9	27	<1	<5	30	<1	2870	<1	10	<10	1.3	<3	<0.5	5	<1	303	18	120	<5
391930	249	<10	<1	6	27	<1	7	28	<1	2320	<1	9	<10	1.7	<3	<0.5	6	<1	325	14	240	<5
391931	60	20	1	<1	12	<1	<5	3	<1	2930	<1	2	<10	<0.5	<3	<0.5	<1	<1	60	3	50	<5
391932	165	<10	<1	<1	7	<1	<5	6	<1	2030	<1	2	<10	0.9	<3	<0.5	3	<1	60	3	30	<5
391933	162	<10	<1	<1	8	<1	<5	7	<1	2090	<1	2	<10	<0.5	<3	<0.5	2	<1	63	3	<20	<5
391934	635	<10	<1	3	5	<1	<5	9	<1	1670	<1	2	<10	1	<3	<0.5	6	<1	66	3	80	<5
391935	517	<10	<1	4	<5	<1	<5	11	<1	1520	<1	2	<10	1.6	<3	<0.5	8	<1	69	4	<20	<5
391936	521	<10	<1	2	9	<1	<5	9	<1	1770	<1	2	<10	2.1	<3	<0.5	14	<1	74	4	<20	<5
391937	468	<10	<1	24	7	<1	<5	52	<1	1800	<1	8	<10	2.6	<3	<0.5	26	<1	201	11	80	<5
391938	786	<10	<1	4	8	<1	<5	11	<1	1940	<1	2	<10	1.2	<3	<0.5	6	<1	60	3	<20	<5
391939	430	<10	<1	4	11	<1	<5	11	<1	1690	<1	2	<10	1	<3	<0.5	8	<1	57	3	<20	<5
391940	66	<10	<1	7	13	<1	<5	16	<1	1900	<1	3	<10	3	<3	<0.5	7	<1	61	3	<20	<5
391951	605	<10	<1	19	<5	<1	<5	30	<1	1960	<1	5	<10	1.8	4	<0.5	9	<1	149	8	20	<5
391952	202	<10	<1	9	12	<1	<5	17	<1	2200	<1	3	<10	2.9	<3	<0.5	5	<1	66	4	<20	<5
391953	206	<10	<1	5	11	<1	<5	11	<1	1330	<1	2	<10	1.7	<3	<0.5	3	<1	57	3	30	<5
391954	841	90	<1	52	20	<1	10	94	<1	1150	<1	20	<10	3.1	<3	<0.5	30	<1	572	34	430	11
391955	732	80	<1	48	14	<1	40	91	<1	980	<1	23	<10	7.8	11	<0.5	27	<1	788	47	50	11
391956	939	30	<1	36	7	<1	<5	77	<1	1900	<1	17	<10	1.8	<3	<0.5	14	<1	511	26	70	6
391957	241	<10	<1	1	11	<1	<5	6	<1	1570	<1	2	<10	2.3	<3	<0.5	6	2	55	3	60	<5
391958	417	10	<1	14	5	<1	<5	30	<1	1230	<1	6	<10	1.7	<3	<0.5	9	<1	164	7	20	<5
391959	583	<10	<1	8	7	<1	<5	17	<1	1610	<1	3	<10	1.9	<3	<0.5	9	<1	85	4	<20	<5
391960	267	10	<1	23	14	<1	<5	47	<1	1350	<1	10	<10	3.2	9	<0.5	9	<1	255	13	80	5
391961	228	30	<1	19	18	<1	<5	40	<1	1130	<1	8	<10	2	7	<0.5	12	<1	228	11	80	<5
391962	138	20	<1	28	8	<1	<5	53	<1	1120	<1	9	<10	3	<3	<0.5	6	<1	217	9	<20	<5
391963	236	10	<1	35	19	<1	<5	59	<1	1180	<1	10	<10	6.2	9	<0.5	7	<1	252	12	20	8
391964	139	20	<1	35	31	<1	<5	59	<1	1230	<1	12	<10	2.9	3	<0.5	6	<1	288	15	30	5
391965	231	<10	<1	7	12	<1	<5	16	<1	1080	<1	3	<10	2.4	<3	<0.5	7	<1	128	6	40	<5
391966	404	<10	<1	4	6	<1	<5	10	<1	1000	<1	2	<10	0.9	<3	<0.5	8	<1	69	4	80	<5
391967	550	<10	<1	2	<5	<1	<5	6	<1	890	<1	1	<10	0.6	<3	<0.5	18	<1	44	2	<20	<5
391968	683	<10	<1	11	<5	<1	<5	24	<1	1630	<1	5	<10	1.2	<3	<0.5	39	<1	188	10	<20	<5
391969	541	<10	<1	7	7	<1	<5	14	<1	1570	<1	3	<10	0.9	<3	<0.5	10	<1	106	6	<20	<5
391970	638	<10	<1	7	<5	<1	<5	15	<1	1610	<1	3	<10	1.1	<3	<0.5	11	<1	96	5	<20	<5
DUP-391901	369	20	<1	9	24	<1	<5	15	<1	1040	<1	3	<10	3.7	14	<0.5	8	<1	72	4	270	<5
DUP-391913	514	<10	<1	3	13	<1	8	11	<1	3040	<1	3	<10	1.9	<3	<0.5	11	<1	94	5	60	<5
DUP-391925	503	<10	<1	3	<5	<1	<5	7	<1	1250	<1	2	<10	1	<3	<0.5	40	<1	57	3	<20	<5
DUP-391937	567	10	<1	25	10	<1	<5	56	<1	1810	<1	10	<10	3	<3	<0.5	28	<1	245	13	60	6
DUP-391959	598	<10	<1	9	8	<1	<5	19	<1	1400	<1	4	<10	1.7	<3	<0.5	11	<1	102	5	<20	<5

Appendix V: Petrographic Decriptions

From: Liverton, T., 2006. The Ultra property: Mineralogy and some economic considerations. Report for Klondike Star Mineral Corporation.

ULTRA MINERAGRAPHIC SPECIMENS Dr. Tim Liverton

ULTRA: K73 Boulder zone (Thin Section) X4
Green 'country rock' with quartz veins.

The rock is a chloritized, carbonate-altered basalt. It shows plagioclase phenocrysts to 1.6mm long, some altered to epidote others altered to carbonate. The original ferromagnesian phenocrysts (2mm) are altered to chlorite and carbonate with some (?) remnant biotite. Veins are of carbonate and massive chlorite containing 0.05mm rhombs of ferroan carbonate.

ULTRA: K76 Boulder zone (Thin Section T.S.) X5
Grey folded calc-silicate rock.

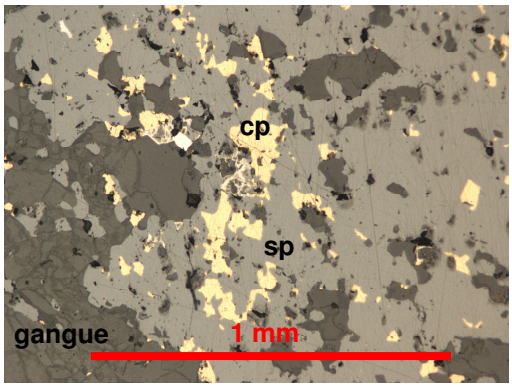
A cataclasite. Fine grained quartz, 0.02mm grains is cut by a strong pressure-solution cleavage and contains anastomosing masses of carbonate to 3.5mm long. The carbonates are cut by the cleavage and show deformed twin lamellae. Anhedral opaques (Fe oxides) to 0.3mm are throughout.

ULTRA: K77 Boulder zone (Polished Thin Section) X9
Green calc-silicate rock with chalcopyrite.

A chloritized volcanic, probably a tuff. Coarse anhedral pyrrhotite encloses chalcopyrite. Mostly separate anhedral elongate grains of breithauptite also include some chalcopyrite with smaller masses of breithauptite being found amongst the gangue.

ULTRA: K78 Boulder zone (Polished Thin Section)
Brown sphalerite.

Massive sphalerite (sp) contains chalcopyrite (cp) inclusions 0.01 - 0.2 mm size. A few rounded pyrrhotite grains are seen within the gangue, but not included in the other sulphides. The gangue is carbonate with a little quartz.

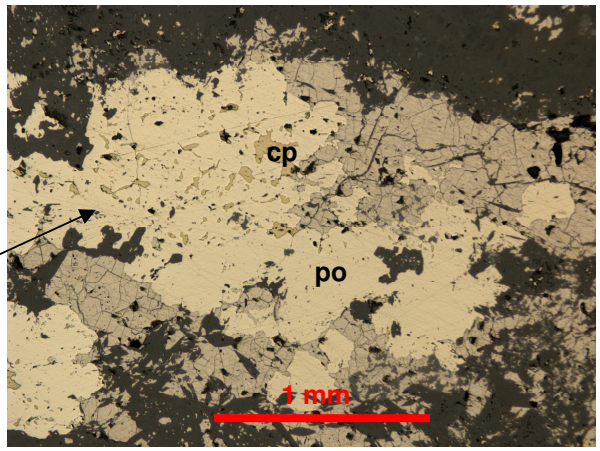


ULTRA: K79 Boulder zone (Polished Thin Section) X11
Grey calc-silicate rock with disseminated sulphides.

The rock is network of fractures 0.1 – 0.6 mm wide. The thicker veins of quartz show some radiating ‘sheaves’ of tourmaline <0.2 mm long. The sulphide present is mostly euhedral pyrite from 0.005 mm – 0.03 mm grain size. Separate masses of chalcopyrite are up to 0.3 mm.

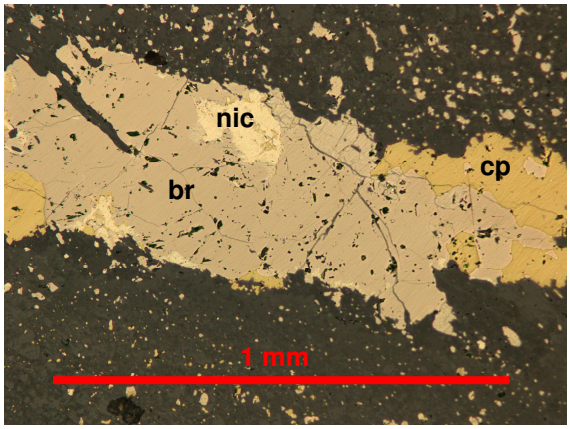
FROHBERG:K80 (Polished Thin Section)
Green calc-silicate rock with chalcopyrite and pentlandite.

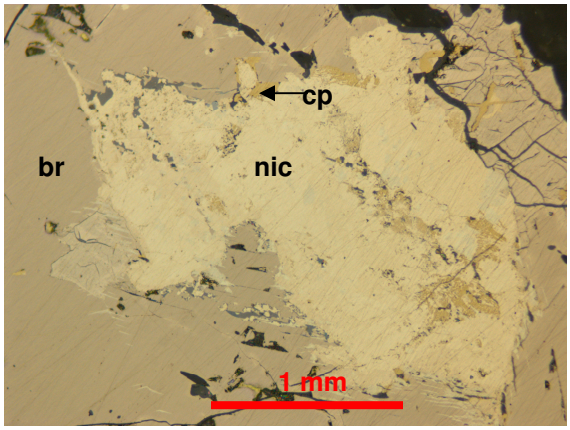
This contains coarse masses (8 mm) of pyrrhotite (po) that have a few anhedral chalcopyrite (cp) inclusions to 0.1 mm, with breithauptite as 'ragged' similar sized masses. The host rock is probably a lapilli tuff, consisting of much chlorite, tiny needles of amphibole and (?) scapolite.

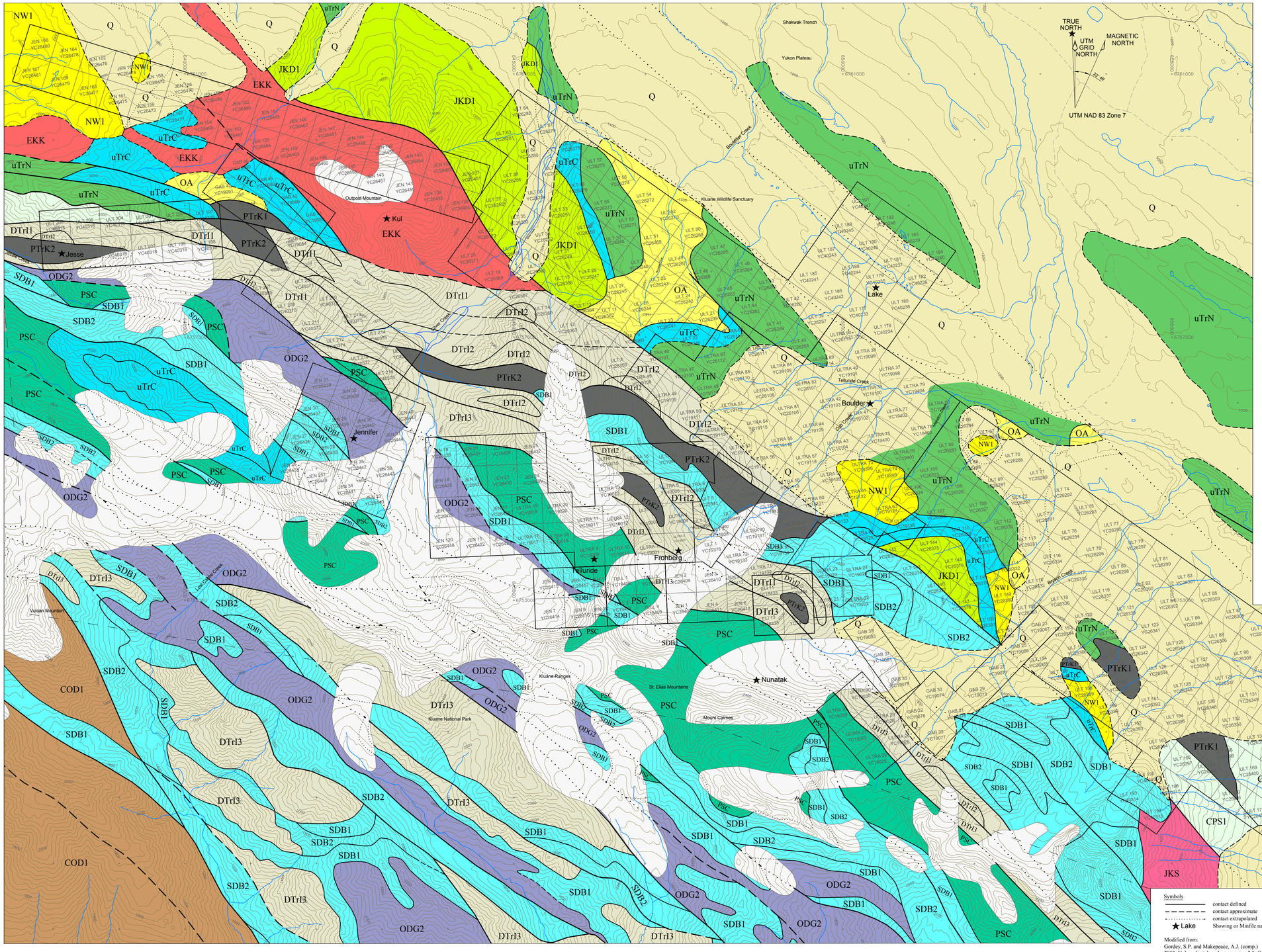


FROHBERG: K81 (Polished Thin Section) X13
Green calc-silicate rock with chalcopyrite.

This contains irregular masses of chalcopyrite, breithauptite (br), niccolite (nic) and (?) pentlandite. The pentlandite occurs as small (0.4 mm) very ragged inclusions in breithauptite, which is found with the chalcopyrite. Some subround masses of (?) niccolite to 0.5 mm are included in the chalcopyrite and breithauptite. The country rock is probably a tuff. It shows some subrounded clasts 4 mm long, possible feldspar relicts 3 mm in the coarser layers intercalated with layers of fine-grained (0.1 mm) feldspars in a very fine grained matrix that may be epidote and tremolite-actinolite containing a few rutile grains. A little fresh plagioclase is visible in the matrix.







GEOLOGICAL LEGEND

Q: QUATERNARY
unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluviatile silt, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits

MIOCENE TO PLIOCENE AND(?) YOUNGER
NW: WRANGELL LAVAS
mafic to felsic volcanic rocks (1) with local conglomerate (2)
1. rusty red-brown, phyric and non-phyric basaltic andesite flows (minor pillow lava), interbedded with felsic tuff, volcanic sandstone and conglomerate; acid pyroclastics related to intra-Wrangell intrusions; thin basaltic andesite and andesite flow

OLIGOCENE
OT: TKOPE SUITE
light pinkish-grey, medium- to coarse-grained, homogeneous, biotite and/or hornblende granite (locally miarolitic); lesser light creamy-grey biotite hornblende granodiorite, dark grey biotite hornblende quartz diorite and gabbro-diorite

PALEOCENE TO OLIGOCENE
OA: AMPHITHEATRE
yellow-buff to grey-buff sandstone, pebbly sandstone, polymictic conglomerate, siltstone, mudstone; minor brown-grey carbonaceous shale and thin lignitic coal; mostly fluvial and lacustrine deposits, local debris-flow deposits; some shallow marine

LATE EARLY CRETACEOUS
EKK: KLUANE RANGES SUITE
mid-grey, medium to coarse grained, biotite hornblende granodiorite, quartz diorite, quartz monzonite, and hornblende diorite

UPPER JURASSIC TO LOWER CRETACEOUS
JKD: DEZADEASH
clastic succession (1) but locally including undifferentiated younger strata (2)
1. interbedded light to dark buff-grey lithic greywacke, sandstone, siltstone, thin dark grey shale, argillite, phyllite and conglomerate; rare tuff

LATE JURASSIC TO EARLIEST CRETACEOUS
JKS: SAINT ELIAS SUITE
nonporphyritic and porphyritic (K-feldspar), biotite hornblende granodiorite; lesser nonporphyritic biotite and/or hornblende tonalite; locally includes biotite hornblende quartz monzodiorite, quartz diorite, granite, and quartz monzonite

UPPER TRIASSIC
uTrC: CHITISTONE
thin interbedded light to dark grey argillaceous limestone and dark grey argillite; massive light grey limestone, limestone breccia and darker grey, well-bedded limestone; white to creamy-white gypsum and anhydrite

uTrN: NICOLAI
amygdaloidal basaltic and andesitic flows, with local tuff, breccia, shale and thin-bedded bioclastic limestone; volcanic breccia, pillow lava and conglomerate at base; locally includes dark grey phyllite and minor thin grey limestone of Middle Triassic

PENNSYLVANIAN TO (?) LOWER PERMIAN
CPS: SKOLAI
volcanics succeeded upward by clastic strata (1) and including minor limestone (2)
1. tuff, breccia, argillite, agglomerate, augite-phyric basaltic to andesitic flows (Station Cr. Fm); succeeded by thin-bedded argillite, siltstone, minor greywacke and conglomerate and local thin basaltic flows, breccia and tuff
2. buff bioclastic limestone, calcarenite

LATE TRIASSIC AND (?) OLDER
PTrK: KLUANE ULTRAMAFIC SUITE
mafic to ultramafic intrusions in 1) Wrangellia terrane and 2) Alexander terrane
medium grey-green, massive, medium grained, pyroxene gabbro and greenstone sills; sheeny black peridotite, rare dunite

PALEOZOIC, (?) DEVONIAN AND/OR YOUNGER
PSC: STEEL CREEK
massive medium- to coarse-grained, rusty grey-green hornblende pyroxene gabbro, minor medium grained gabbro-diabase and gabbro-pegmatite intrusions; rare pods of black peridotite; screens of flows, volcaniclastics, minor argillite, and rare chert

DEVONIAN TO UPPER TRIASSIC AND (?) OLDER
DTrI: ICEFIELD
a grouping of diverse, dominantly upper Paleozoic partly equivalent strata subdivided into three dominant facies including pelitic rocks (1), carbonate (2) and volcanics (3)
1. thin to medium-bedded, fine- to medium-grained, quartz-rich, micaceous, calcareous siltstone to sandstone, mica quartzite, or schist; minor interbedded phyllite, argillite and schist; rare limestone, marble, basic volcanics, and gypsum-anhydrite
2. white to creamy-white gypsum and anhydrite; thin-bedded to massive, light grey to dark bluish-grey limestone or marble; minor dark grey calcareous argillite, calcareous siltstone-sandstone; local buff-grey crinoidal limestone
3. dark green (locally purple), porphyritic (augite) and non-porphyritic basaltic to andesitic flows and pillow lava; local volcaniclastic sediments, agglomerate, breccia, cherty tuff, grey limestone or marble, gypsum and basic intrusions

SILURIAN AND DEVONIAN
SDB: BULLION
a grouping of carbonate (1) and clastic (2) strata that may be in part equivalent
1. massive to well-bedded light grey limestone or marble, thin-bedded dark grey limestone or marble; minor dark blue-grey calcareous argillite or phyllite (Bullion Creek Limestone)
2. dark blue-grey argillite, phyllite, and minor greywacke siltstone-sandstone; upper part more calcareous, lower part more greywacke; locally may include massive limestone and greenstone

LOWER ORDOVICIAN TO DEVONIAN AND (?) OLDER
ODG: GOATHERD
a grouping of carbonate (1) and clastic (2) strata that may be in part equivalent
1. yellow to ochre-buff calcareous mudstone-siltstone, grey silty limestone and platy to thick bedded, cryptocrystalline limestone; local well-bedded, limestone; thick to massive-bedded limestone in upper parts of unit probably equivalent to SDB1
2. dull rusty-buff or green-grey greywacke siltstone-sandstone, and argillite or phyllite; minor grit; rarer limestone, pebble conglomerate, conglomerate; locally includes quartzite

CAMBRIAN TO ORDOVICIAN AND (?) YOUNGER
COD: DONJEK
greywacke greenstone assemblage (1) with minor carbonate (2)
2. light grey to rusty brown laminated silty limestone and limy siltstone, and well-bedded limestone or marble; minor greenstone

Symbols

———	contact defined	———	fault defined
– – –	contact approximate	– – –	fault approximate
·····	contact extrapolated	·····	fault extrapolated
★ Lake	Showing or Minfile name		

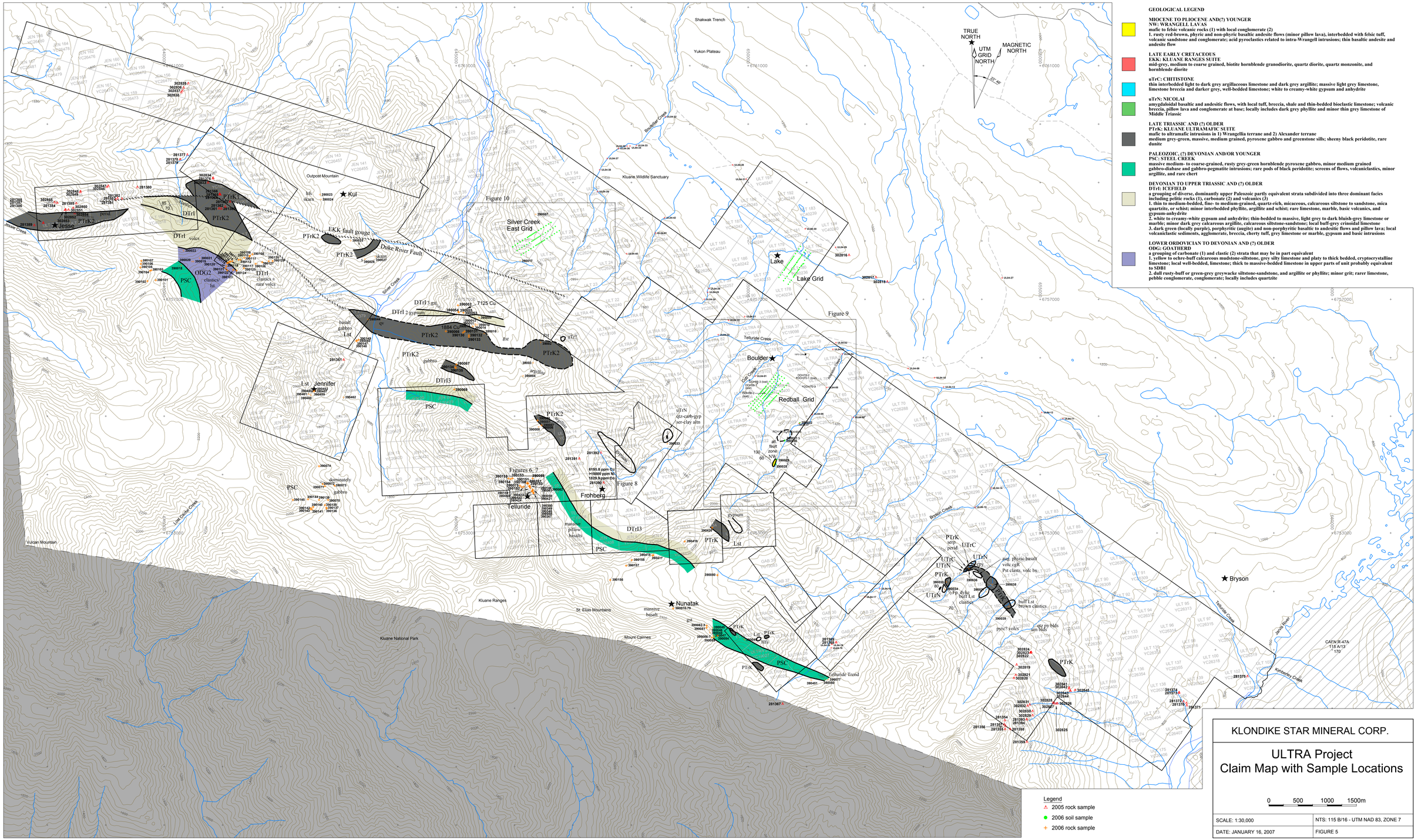
Modified from:
Gordey, S.P. and Makepeace, A.J. (comp.)
2003: Yukon digital geology, version 2.0; Geological Survey of Canada Open File 1749 and Yukon Geological Survey Open File 2003-9(D)

KLONDIKE STAR MINERAL CORP.

ULTRA Project
General Property Geology

0 500 1000 1500m

SCALE: 1:30,000	NTS: 115 B/16 - UTM NAD 83, ZONE 7
DATE: JANUARY 16, 2007	FIGURE 4b


GEOLOGICAL LEGEND
MIOCENE TO PLIOCENE AND(?) YOUNGER
NW: WRANGELL LAVAS
mafic to felsic volcanic rocks (1) with local conglomerate (2)
1. rusty red-brown, phyric and non-phyric basaltic andesite flows (minor pillow lava), interbedded with felsic tuff, volcanic sandstone and conglomerate; acid pyroclastics related to intra-Wrangell intrusions; thin basaltic andesite and andesite flow
LATE EARLY CRETACEOUS
EKK: KLUANE RANGES SUITE
mid-grey, medium to coarse grained, biotite hornblende granodiorite, quartz diorite, quartz monzonite, and hornblende diorite
uTrC: CHITISTONE
thin interbedded light to dark grey argillaceous limestone and dark grey argillite; massive light grey limestone, limestone breccia and darker grey, well-bedded limestone; white to creamy-white gypsum and anhydrite
uTrN: NICOLAI
amygdaloidal basaltic and andesitic flows, with local tuff, breccia, shale and thin-bedded bioclastic limestone; volcanic breccia, pillow lava and conglomerate at base; locally includes dark grey phyllite and minor thin grey limestone of Middle Triassic
LATE TRIASSIC AND (?) OLDER
PTrK: KLUANE ULTRAMAFIC SUITE
mafic to ultramafic intrusions in 1) Wrangellia terrane and 2) Alexander terrane
medium grey-green, massive, medium grained, pyroxene gabbro and greenstone sills; sheeny black peridotite, rare dunite
PALEOZOIC, (?) DEVONIAN AND/OR YOUNGER
PSC: STEEL CREEK
massive medium- to coarse-grained, rusty grey-green hornblende pyroxene gabbro, minor medium grained gabbro-diabase and gabbro-pegmatite intrusions; rare pods of black peridotite; screens of flows, volcaniclastics, minor argillite, and rare chert
DEVONIAN TO UPPER TRIASSIC AND (?) OLDER
DTrI: ICEFIELD
a grouping of diverse, dominantly upper Paleozoic partly equivalent strata subdivided into three dominant facies including pelitic rocks (1), carbonate (2) and volcanics (3)
1. thin to medium-bedded, fine- to medium-grained, quartz-rich, micaceous, calcareous siltstone to sandstone, mica quartzite, or schist; minor interbedded phyllite, argillite and schist; rare limestone, marble, basic volcanics, and gypsum-anhydrite
2. white to creamy-white gypsum and anhydrite; thin-bedded to massive, light grey to dark bluish-grey limestone or marble; minor dark grey calcareous argillite, calcareous siltstone-sandstone; local buff-grey crinoidal limestone
3. dark green (locally purple), porphyritic (augite) and non-porphyritic basaltic to andesitic flows and pillow lava; local volcaniclastic sediments, agglomerate, breccia, cherty tuff, grey limestone or marble, gypsum and basic intrusions
LOWER ORDOVICIAN TO DEVONIAN AND (?) OLDER
ODG: GOATHERD
a grouping of carbonate (1) and clastic (2) strata that may be in part equivalent
1. yellow to ochre-buff calcareous mudstone-siltstone, grey silty limestone and platy to thick bedded, cryptocrystalline limestone; local well-bedded, limestone; thick to massive-bedded limestone in upper parts of unit probably equivalent to SDB1
2. dull rusty-buff or green-grey greywacke siltstone-sandstone, and argillite or phyllite; minor grit; rarer limestone, pebble conglomerate, conglomerate; locally includes quartzite
TRUE NORTH
UTM GRID NORTH
MAGNETIC NORTH
23°45'
Shakwak Trench
Yukon Plateau
Kluane Wildlife Sanctuary
Outpost Mountain
Kul
Jesse
Lake
Lake Grid
Figure 10
Figure 9
Silver Creek East Grid
Duke River Fault
EKK fault gouge
Silver Creek
Boulder
Telluride Creek
Redball Grid
Jennifer
Figures 6, 7
Figure 8
Frohberg
Telluride
Telluride Trend
Nunatak
Bryson
Vulcan Mountain
Kluane Ranges
St. Elias Mountains
Mount Cairnes
Kluane National Park
Bracken Creek
Jarvis River
Kimberley Creek
CAFN R-47A
115 A/13
170
Legend
2005 rock sample
2006 soil sample
2006 rock sample
KLONDIKE STAR MINERAL CORP.
ULTRA Project
Claim Map with Sample Locations
0 500 1000 1500m
SCALE: 1:30,000
NTS: 115 B/16 - UTM NAD 83, ZONE 7
DATE: JANUARY 16, 2007
FIGURE 5