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Assessment Report

On the

Davidson Claim Group

ML367-648

Describing an

2012 Geophysical Interpretation and Geochemical Surveys and Interpretation

105M 11/12/14/15/16

Latitude 63.77963N, Longitude 135.30513E

In the

Mayo Mining District
Yukon Territory

By

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and V. N. Rampton, Ph.D., P.Eng

August 9, 2013

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Introduction

The Davidson Claim Group (the "Property") is owned by Mayo Lake Minerals Inc.("MLM") The Property is located northeast of Mayo (Figure 1) and south of the Keno Hill District, which has produced over 200 million ounces of silver from veins cutting Mississippian quartzite and schist. The Property lies in the northeastern portion of the Tintina Gold Belt, a 2100 km long zone of gold and silver deposits extending across central Alaska and Yukon. Nearby deposits include Dublin Gulch (6.4Moz Au), Keno Hill (20.5Moz Ag), Red Mountain (1.3Moz Au) and Marge (Au, Ag, Cu, Pb, and Zn).

This report outlines (i) the interpretation of an airborne magnetic survey in preparation for a prospecting and geochemical survey undertaken between July 17, 2012 and August 6, 2012 over the Property; and (ii) the results, discussion, conclusions and recommendations from the prospecting and geochemical survey. The interpretation of geophysical data by Geo Digit-Ex ("GDX") for MLM resulted in areas to target during geochemical survey operations. Field work was completed by Breakaway Exploration Inc. and MLM personnel. Soil, silt and rock samples were collected; subsequently the samples were processed by Acme Analytical Laboratories Ltd. in Whitehorse and analyzed by Becquerel Laboratories Inc. in Mississauga Ontario using neutron activation for a suite of 35 elements including Au and Ag. Rock samples were additionally analysed using ICP-MS following a 4-acid digestion by Acme Analytical Laboratories Ltd.

Location and Access

The Property consists of 282 contiguous claims totaling 81 km^2. It is located approximately 30 kilometers northeast of Mayo, Yukon, Canada on NTS map sheets 105M 11/12/14/15/16. The claims are registered in the Mayo Mining district under the name of Mayo Lake Minerals Inc. The claims are listed in Table 1 below with their location shown on Figures 1 and 2.

Grant number	Claim Name	Map sheet	Group Name
YE24801-YE25000	ML401-ML600	105M 11/12/14	Davidson
YE25301-YE25348	ML601-ML648	105M 11/12/15	Davidson
YE25367-YE25400	ML367-ML400	105M 11/12/16	Davidson

Table 1: Claims comprising the Davidson Claim Group

Access to the Property is provided by a four-wheel drive road connecting Williamson Lake and Davidson Creek through the center of the claim group. This road connects to a government-maintained, gravel highway (Silver Trail) 20 km west of the Property. The Silver Trail connects with the Yukon's paved or chip-sealed highway network at Mayo (Figure 1).

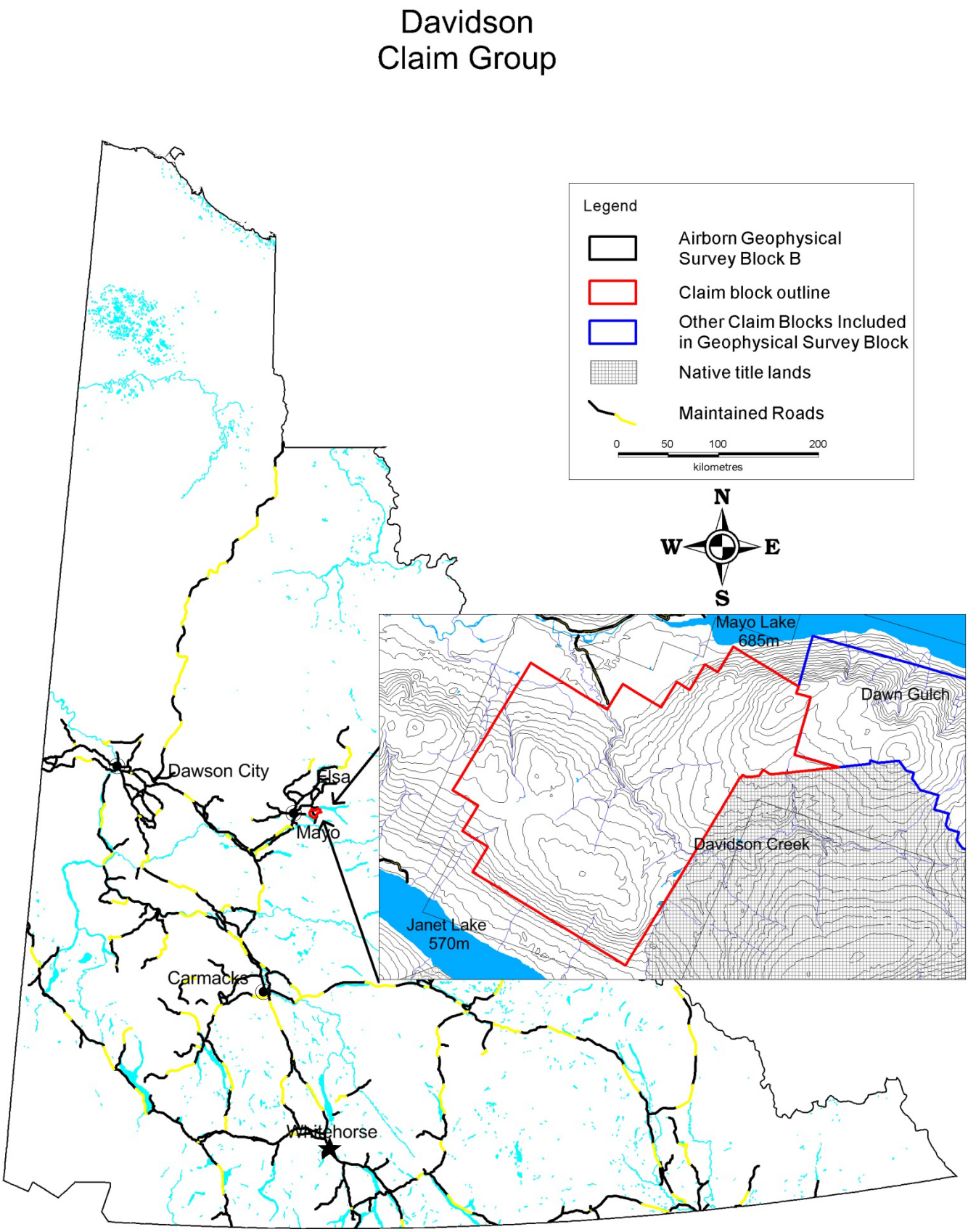


Figure 1: Location of Davidson Claim Group

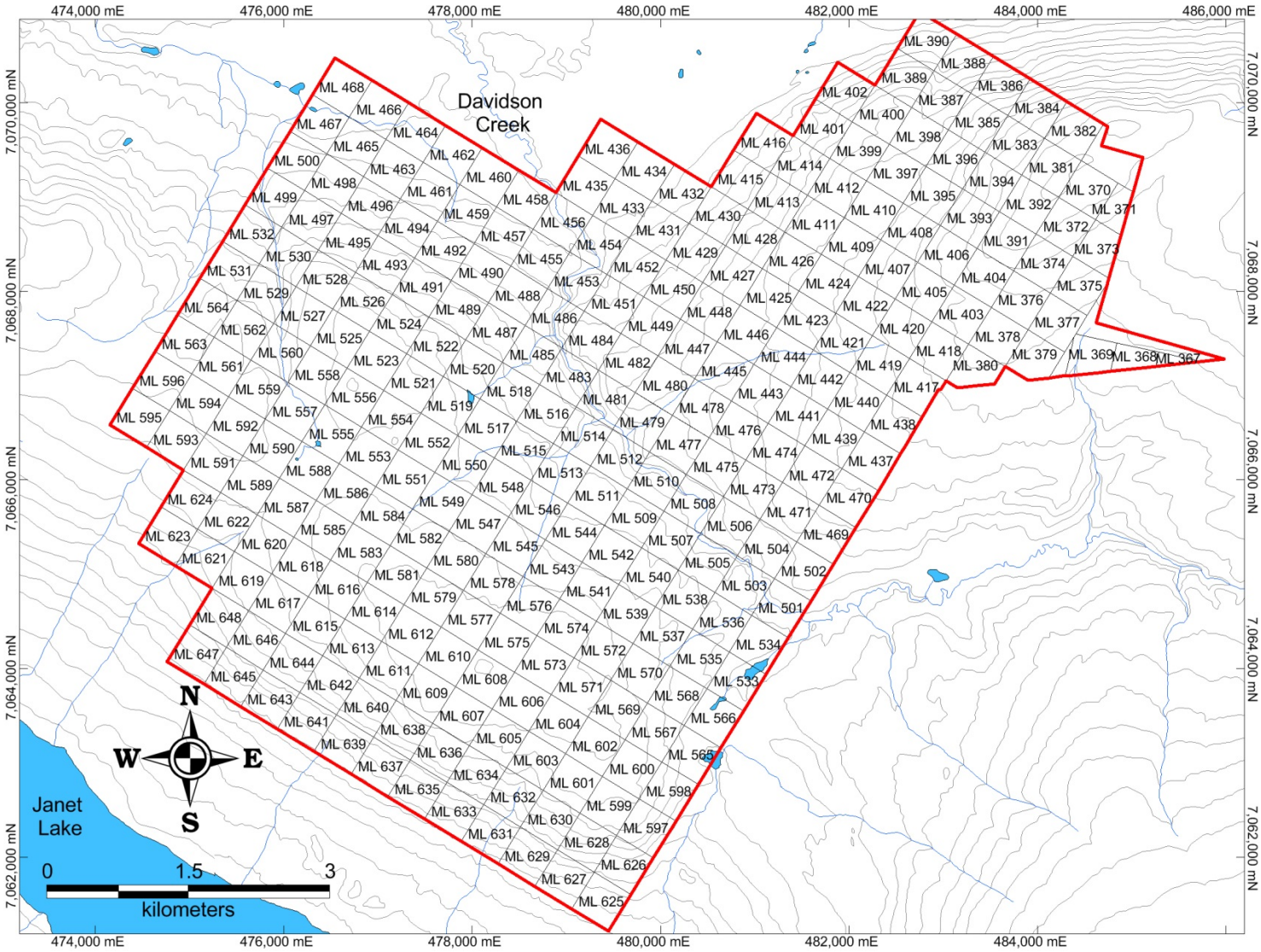


Figure 2: Location of claims within the Davidson Claim Group

Previous Work

Early in 2012 MLM undertook an airborne geophysical survey that saw the acquisition of high quality magnetic data (Rampton and Sutherland 2012). Prior to the survey by MLM, previously reported work consisted of government geological, geochemical and geophysical surveys plus minor exploration and extensive placer mining along Davidson Creek.

The earliest regional mapping in the Mayo Lake area was undertaken by H.S Bostock in 1947. Early work by Bostock was followed from 1952 to 1965 by numerous workers who mapped and published geological maps; these included L.H Green et.al (1972), R.W Boyle (1964), and E.D Kindle (1962) with contributions by C.F Gleeson (Boyle 1964). Mapping was reinitiated in the early 1992 by J.A Hunt et al. (1996), D.C. Murphy et al. (1996) and C.F Roots (1997); in addition to fieldwork they integrated numerous geological publications dating from 1920 to 1996. Roots' work resulted in a regional map at

1:250,000 scale (Roots 1997). Surficial mapping was undertaken by Hughes (1983) in 1964 and 1979 and more recently by Bond (1999).

Operation Keno headed by Dr. C.F. Gleeson of The Geological Survey of Canada ("GSC") was completed in 1968 (Gleeson et al 1965-1968, Gleeson 1980a, Gleeson 1980b). It centered on Keno Hill and consisted of stream sediment, water, heavy-mineral and lithogeochemistry programs. Creeks draining north of the Property were sampled (Figure 3), returning several strong arsenic anomalies, and a sample from Davidson also yielded 59,500 ppb Au in heavy mineral concentrates.

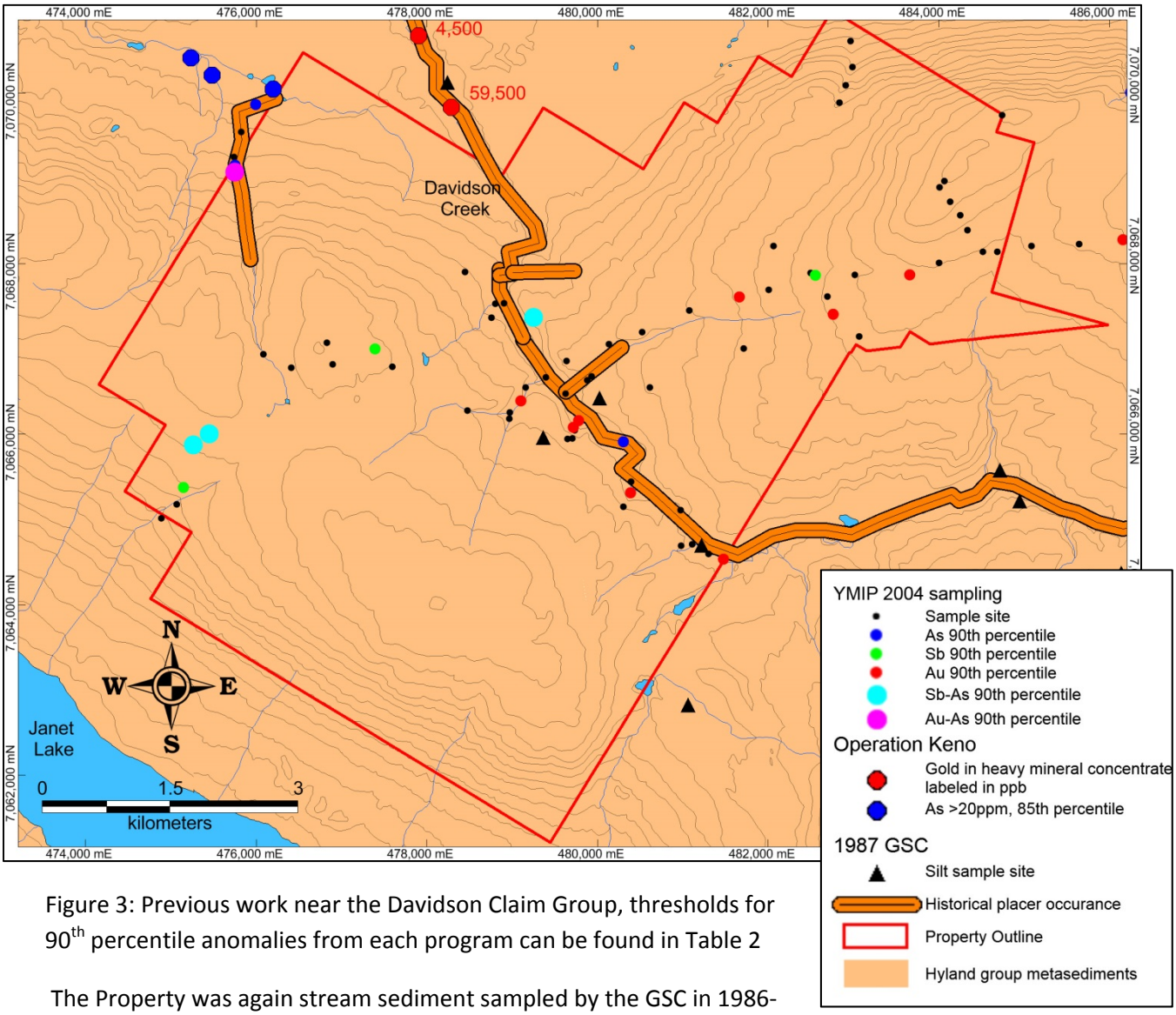


Figure 3: Previous work near the Davidson Claim Group, thresholds for 90th percentile anomalies from each program can be found in Table 2

The Property was again stream sediment sampled by the GSC in 1986-87 (Hornbrook 1987). This program consisted of over 3000 samples in an area approximately 200km from east to west and 50km-150km north to south. Several samples were taken in the vicinity of the Property, but none were above the anomalous (90th percentile) threshold.

In 2004, W. Carrell carried out a till and silt sampling program around the western arm of Mayo Lake. This program had good sampling density along several creeks and the Williamson Lake road. The linear

distribution of sample sites limits the magnitude of interpretation. Several of Carrell's arsenic and antimony anomalies were corroborated by the later sampling of MLM.

Survey	Regional Stream Geochemistry Program 1987	W. Carrel Program 2004
Threshold value Au	8ppb	9.42ppb
Threshold value As	30ppm	20.74ppm
Threshold value Sb	2.1ppm	2.08ppm

Table 2: Threshold values for Au, As and Sb anomalies from previous sampling programs

Historically placer mining occurred on the Property along most tributaries east of Davidson Creek as well as along the main channel (Figure3) producing at least 1596 oz of Au between 1874 and 2000 (Lebarge et al. 2002). Currently only the main channel is actively being worked.

The GSC carried out two geophysical programs in the Mayo Lake area; the first at 1207m spacing in 1968 and a second at 2000m spacing in 1990. These surveys produced results similar to those obtained by MLM's geophysical program but with much lower resolution.

The MLM aeromagnetic survey was flown over the Property between March 5, 2012 and March 13, 2012 by Precision GeoSurveys Inc. ("PGI").

The Property was flown concurrently with the Anderson Claim Group (also owned by MLM). Collectively the total area of the aeromagnetic survey was designated Block B by PGI. Block B is approximately 7 km by 30 km, including a buffer zone of ~1km around the outside of the claims to address edge effect. A total of 1675 line kilometers of magnetic data were obtained from this survey; this includes tie lines and survey lines. The survey lines were flown at 150 meter spacings at a $024^{o}/204^{o}$ heading; the tie lines were flown at 1500 km spacings at a heading of $114^{o}/294^{o}$

PGI flew the Property using a Bell 206 BIII Jet Ranger. The survey lines were flown at a nominal line spacing of one hundred and fifty (150) meters and the tie lines were flown at 1500 km spacing. The average survey flight was 32 meters above ground for Block B.

The survey data acquisition specifications and coordinates for Block B can be found in Rampton and Sutherland 2012.

Geomorphology

The Property extends from Mayo Lake in the northeast to the highlands above Janet Lake in the southeast (Figure 2). Valleys containing Mayo and Janet lakes are broad and U-shaped due to glacier ice being funneled down them from east to west during Pleistocene glaciations. Most tributaries to the large valleys are narrow and confined by moderate to steep slopes. Uplands generally have moderate slopes. Streams draining the property are all part of the Yukon River watershed.

The Property has been subjected to multiple glaciations (Hughes 1983). The youngest Pleistocene glaciation, the McConnell Glaciation, was confined to the trunk valleys occupied by Mayo, Janet and Williamson lakes and Keno Ladue River (Bond 1999). These valleys were filled with fast flowing ice that

scoured their bottoms and sides. The upper limit of the McConnell Glaciation is marked by lateral moraines and kame terraces along the sides of these valleys. Minor lobes penetrating the upper reaches of Davidson Creek; their former extent is marked by end moraines and kames. The uplands were covered by glacial ice during the earlier Reid glaciation. Due to the elevation of the upland, the ice was probably cold-based and transport of rock and debris was minimal as evidenced by landforms. The surface cover is mapped as a mixture of colluvium and till. Some patches of colluvium and alluvial benches may be representative of the Reid and older Pleistocene glaciations.

A lobe penetrating the upper reaches of Davidson Creek redirected the previously south flowing drainage. Prior to the last glaciation, upper Davidson Creek flowed south to Janet Lake. Lower Davidson Creek at this time was a local drainage and the canyon was likely less developed or absent. When the McConnell ice sheet in the Janet Lake valley reached its maximum extent meltwater was diverted over the low divide northward into the Mayo River valley (Lebarge 2002). Rapid erosion formed a canyon and fixed the northward course of the creek. Glacial outwash blankets upper Davidson Creek near the diversion.The alluvium is a mixture of gravel, sand, silt and organics.

Outcrop is sparse on the property, rarely exceeding 5% in any area. Soil development is immature.

Vegetation is predominantly black spruce with willow and alder understorey. Lowlands, north facing slopes and plateaus below the treeline exhibit a thick cover of organic matter, moss and Labrador tea. South facing slopes are similarly vegetated but also include balsam and poplar groves. Permafrost is likely pervasive on plateaus and north facing slopes but discontinuous on south facing slopes.

Regional Geology and Mineralization

The Property is located within the Selwyn Basin in the Tintina Gold Belt. Simplified regional geology as shown on Figure 4 depicts Upper Proterozoic to Lower Cambrian Hyland Group stratigraphy in contact with Paleozoic metasedimentary units of the Ern Group and Keno Hill Quartzite along the Robert Service Thrust ("RS Thrust"). Mid-Triassic mafic sills and greenstones are common within the Keno Hill Quartzite and Ern Group, but are rarely encountered in other units. All stratigraphic units have been intruded by the Mid-Cretaceous age Tombstone Plutonic Suite, which host several known gold deposits including Dublin Gulch. The 100km^2 Roop Pluton, west of the Keno Hill Camp, is the largest member of the Tombstone Plutonic Suite and probably drove hydrothermal circulation leading to the mineralization at Keno Hill as referenced by Roots (1997).

The dominant structural features in the area are a pair of imbricated thrust sheets; the RS Thrust Sheet and the Tombstone Thrust ("T Thrust") Sheet have over 150km of combined NE directed transport of rock masses. The RS Thrust Sheet itself contains many internal thrusts that are commonly difficult to distinguish due to subsequent intense folding of faults and contacts and a strong penetrative structural fabric imparted by the later underlying T Thrust; the area deformed during this event is often referred to as the Tombstone Strain Zone. Intense folding is especially evident in units immediately around Keno Hill. Large open folds, the McQueston Antiform (E-W) and Mayo Lake Antiform (NW-SE), and several inferred brittle faults were developed after the large thrusting events (Roots 1997).

Historical work focused in and around Keno Hill led to separate nomenclatures in which the Hyland Group was deemed the Upper Schist and the Ern Group was deemed the Lower Schist (Green 1971). This coincides with early inferences that the Upper Schist (Hyland Group) was younger than the Lower Schist (Ern Group). The term "Keno Hill Quartzite" is well developed in literature, though internal folding and imbrication have prevented the description of a type section or measurement of unit thickness thus far, therefore the formation status of the unit remains informal. Stratigraphically it lies immediately above the Ern Group. Green, 1971, includes a large meta-volcanic unit at the base of the Keno Hill Quartzite; this is likely the topmost unit of the Ern Group (Murphy 1997, Roots 1997) though Roots (1997) includes this as the basal unit of the Keno Hill Quartzite at Keno Hill as well. It is these authors' (Sutherland and Rampton 2013) opinion from observations in the field that the presence of thin metavolcanic units in the Keno Hill Quartzite led to this confusion and the grouping of all metavolcanics into the Keno Hill Quartzite by some authors. The genesis of a large metavolcanic unit containing the Marge Deposit to the northeast remains uncertain though is normally associated with the Keno Hill Quartzite.

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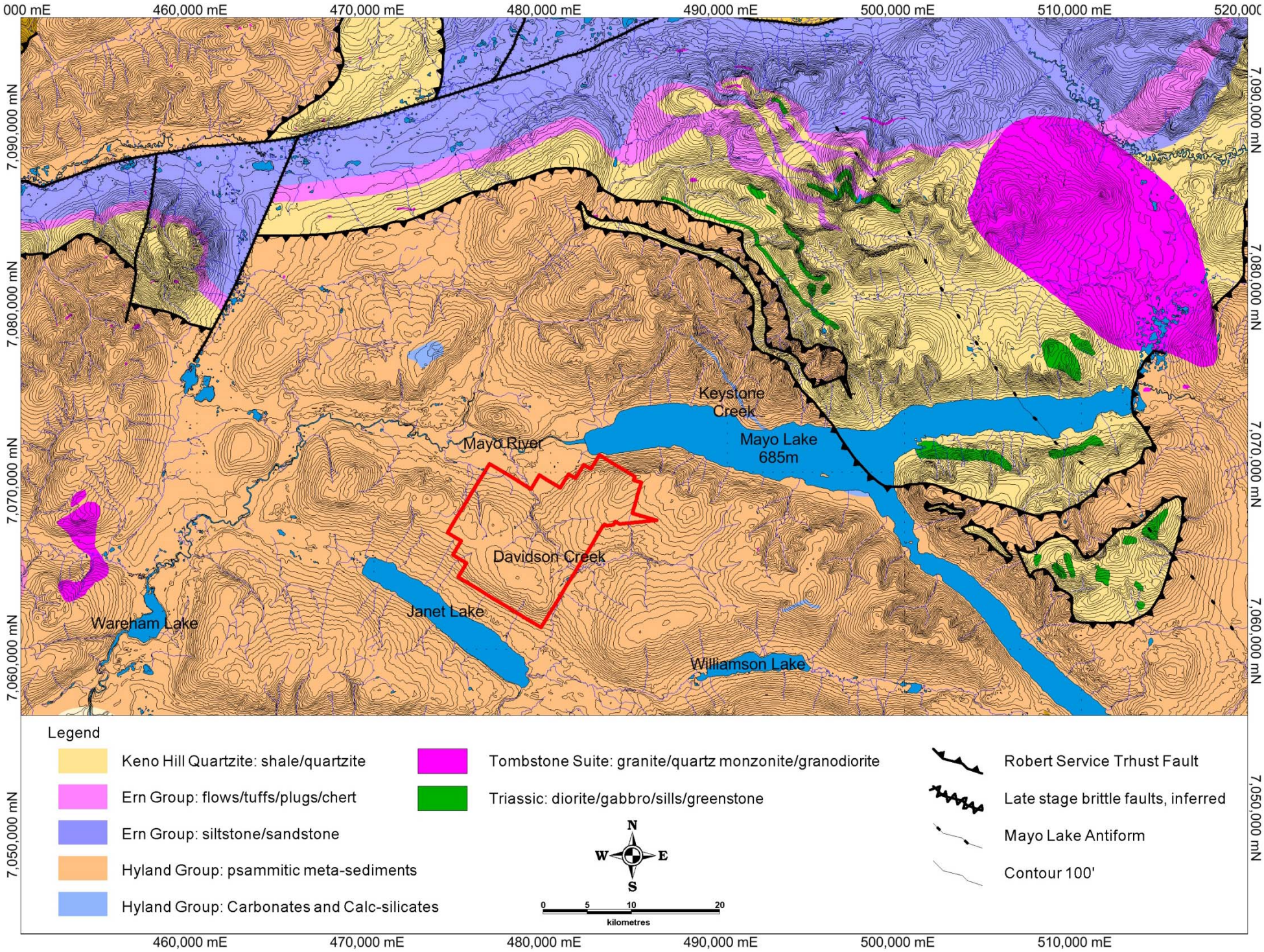


Figure 4: Regional Geology

Mineralization within the Tintina Gold Belt is primarily the result of intrusion-related gold systems. These large epizonal systems result in variable deposits that on the surface may appear unrelated. The most distal mineralization associated with these felsic intrusives are polymetallic Ag-Pb-Zn veins (Keno Hill Type). This mineralization represents the furthest extent of hydrothermal influence and may occur many kilometers from the source stock (Figure 5). Consensus is that Keno Hill Type Veins ("KHTV") are the product of hydrothermal circulation in reactivated structures driven by the emplacement of the Roop Lakes Stock up to twenty kilometers away. These veins are generally within the Keno Hill Quartzite, but are inferred to cut through the RS Thrust and continue into the overlying Hyland Group. Detailed maps (Murphy 1997) indicate that abundant narrow Cretaceous dykes related to the Tombstone Suite in the vicinity of Keno Hill could be an alternate heat engine or fluid source. In addition to Ag, Pb and Zn, other vectors for KHTV include Ba and Cu and in some cases Sb, Fe and Ca.

At intermediate distances from source plutons, As-Sb-Au veins develop and have been the subject of minor exploration around Van Cleaves Hill, west of Mayo Lake.

Proximal mineralization associated with Tombstone intrusives are sheeted gold veins or stockworks within the rim or immediately adjacent to Tombstone Suite plutons. Intrusion related mineralization itself is generally (i) enriched in Au-Bi-Te, and possibly W; (i) depleted in base metals and (iii) situated in tensional zones of the stock.

Where hydrothermal circulation contacts carbonate lithologies skarnification is common, such as at the Ray Gulch tungsten skarn near Dublin Gulch. These skarns are generally high in Au-W-Cu-Zn. Skarnification of rocks surrounding Tombstone suite intrusions will result in hydrothermal signatures different from those illustrated in Figure 5.

In the Keno Hill Camp historical deposits were focused in close proximity to or cutting into the RS Thrust; Dublin Gulch is also located within 10km of the RS Thrust. This proximal relationship to crustal scale features appears to be common among deposits in the Tintina Gold Belt.

Carlin-type, sediment-hosted disseminated gold mineralization is almost exclusively developed proximal to crustal scale faults such as the RS Thrust. Crustal scale structures are possible pathways for deeply sourced crustal fluids causing decalcification and mineralization. Carlin-type mineralization could be present in any carbonate units within the strata on the Property and will probably show Au-As-Hg-Sb signatures.

The Keno Hill silver camp has produced over two hundred million ounces of silver since 1921. Productive veins occur in the Keno Hill Quartzite and underlying Lower Schist. Although faults with associated mineralization ("mineralized faults") are believed to cut through the RS Thrust and continue into the Hyland Group, no significant silver mineralization has been discovered above the RS Thrust. Ore shoots within the veins typically consist of galena, sphalerite and tetrahedrite with siderite or quartz gangue. The mineralized faults trend northeast and dip steeply to the southeast with left lateral offsets ranging from a few metres to over a hundred metres (Boyle 1965). Cross faults offsetting the mineralized faults trend perpendicular to them and dip 20° to 30° to the southwest.

Two major gold occurrences are located within 30 km of the Property. Both are located in the upper plate of the RS Thrust within Hyland Group metasedimentary rocks. Sheeted veins related to the Tombstone Plutonic Suite contain most of the gold at Dublin Gulch and Gold Dome (formerly Scheelite Dome). The most advanced project is Dublin Gulch where a definitive feasibility study has been completed; it hosts an open pit resource containing 6.4 million ounces of gold at a grade of 0.67g/t.

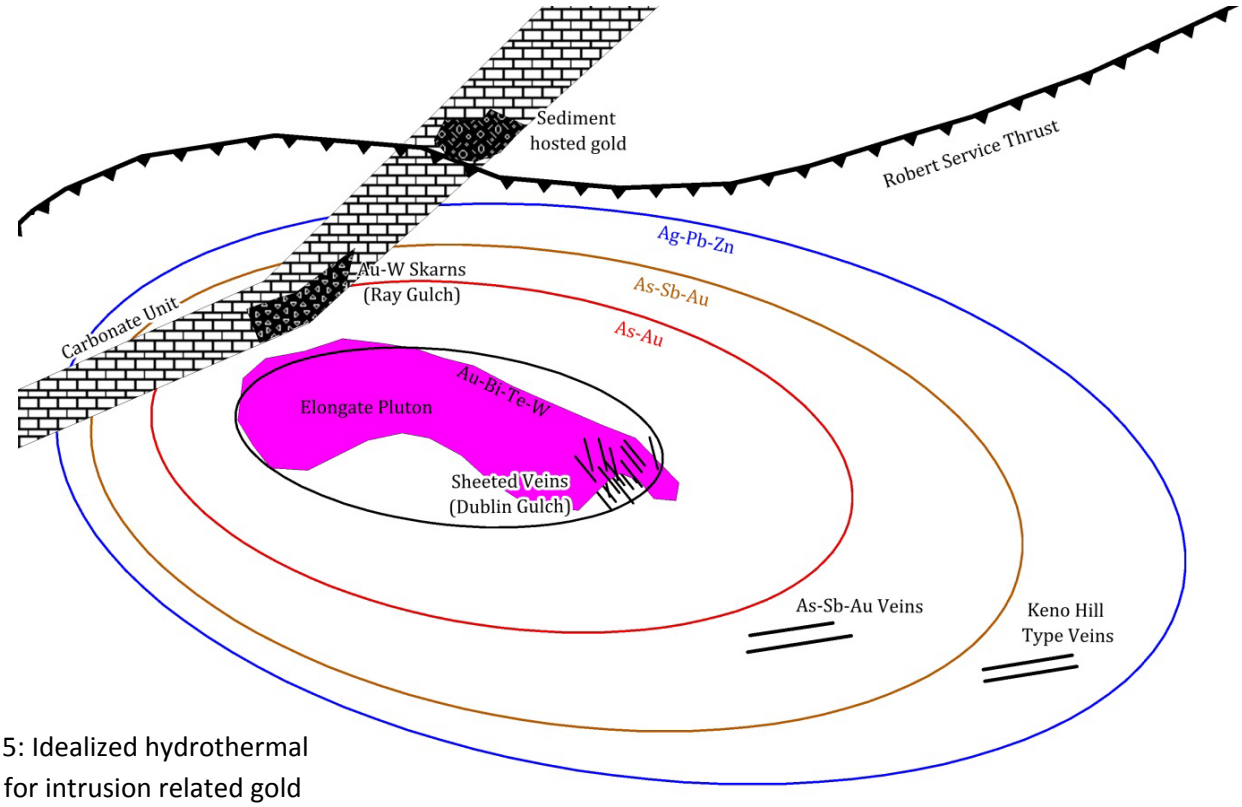


Figure 5: Idealized hydrothermal model for intrusion related gold systems in the Tintina Gold Belt (modified from Hart et. al 2002)

Property Geology

The Property's geology is shown on Figure 6.The Property is underlain by phyllites, schists and carbonates of the Hyland Group metasediments south of the RS Thrust. Most stratigraphy has bedding parallel or sub-parallel to foliation, which dips shallowly generally southeast except where modified by small scale isoclinal folding.

Stratigraphy

Hyland Group which is locally mapped as the Yusezyu Formation, consists of compositionally layered medium to coarse-grained micaceous quartzose phyllite; muscovite-chlorite gritty phyllite; green and grey impure quartzite; metaconglomerate (Roots 1997). Locally interbeded carbonates and phyllites are common.

Intrusions

Cretaceous Tombstone Suite intrusions are described as buff to grey weathering dykes, sills and small plugs with aplitic or granitic textures. Some of these bodies are locally quartz and feldspar phyric and mineralized with disseminated arsenopyrite (Becker 2000). Although none are mapped in the area, a granodiorite/monzanite unit was located at the head of nearby Owl Creek.

Triassic metadiorite sills which may be present are dark green, foliated, fine to medium grained and weather in a blocky fashion. The main mineral assemblage consists of amphibole, chlorite and plagioclase. Sills are common in the Keno Hill Quartzite and Ern Group, but are also known within the Hyland group; however none have been identified on the Property.

Structure

Deformation on the property is typical of that seen elsewhere in the Tombstone Strain zone, including a strong penetrative fabric and intense large scale deformation (Roots 1997). Broad post-metamorphic folding is also present and is indicated by variable foliation dips.

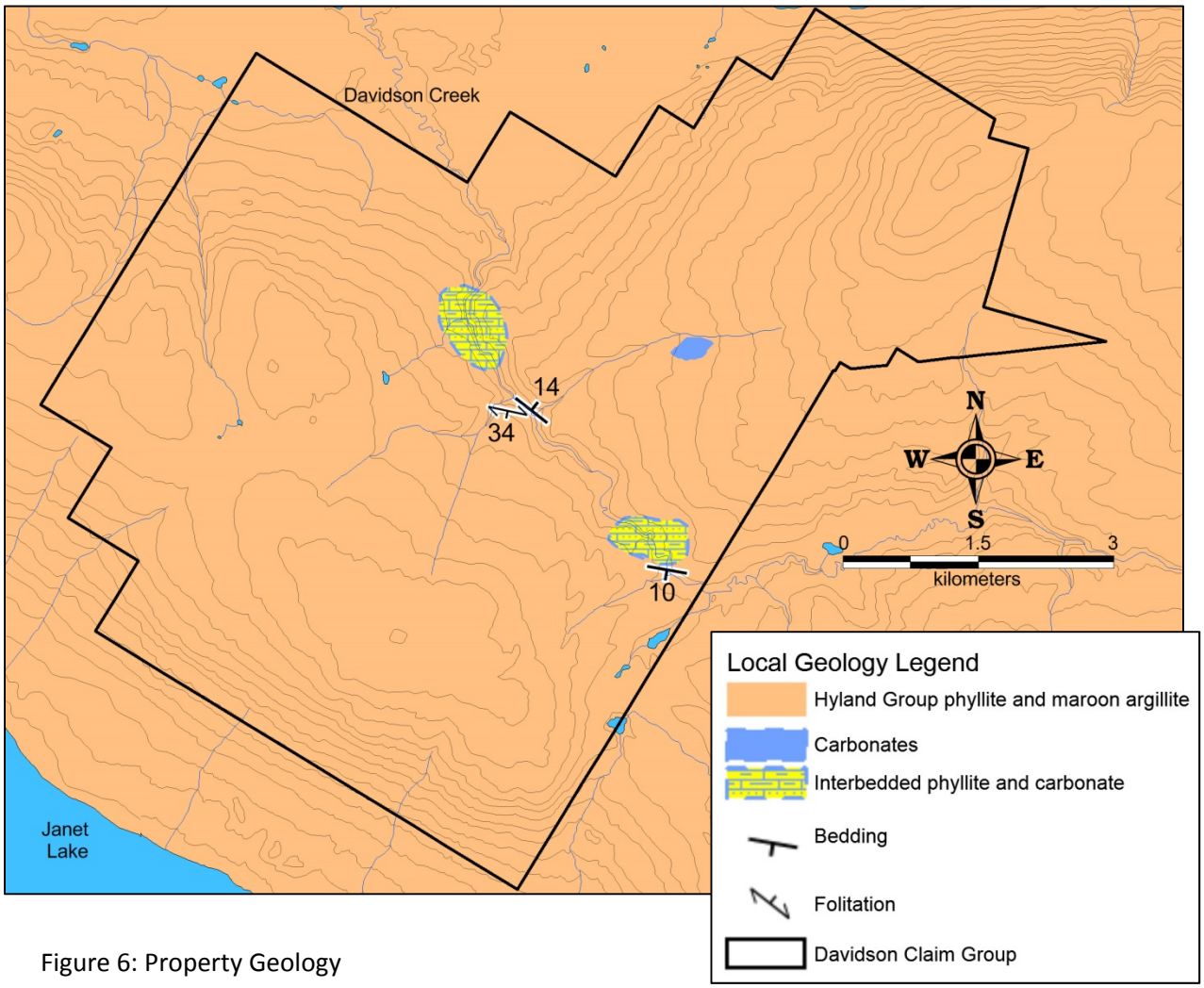


Figure 6: Property Geology

Mineralization

The Property is a prospective host to a variety of deposit styles related to the complex Mesozoic and Cenozoic metamorphic, plutonic and volcanic history associated with the formation of the northern Canadian Cordilleran orogeny. The most attractive of these are:

- Pollymetallic veins; these are known as Keno Hill Type are typically high in silver, lead, and zinc and are related to the intrusion of the Tombstone Plutonic Suite and constitute the main ore at Keno Hill. A vein of this type was located to the east of Owl Creek on the adjacent property to the east.

- Intrusion related gold ores such as those seen at Dublin Gulch and Fort Knox. These deposits are related to post-orogenic, mid-Cretaceous stocks that intruded Selwyn Basin sedimentary rocks.

- Orogenic gold veins, Jurassic in age, formed after peak metamorphism of the Yukon-Tanana Terrane; their erosion likely contributed to the Klondike placer deposits. These are narrow, high-grade deposits; typical is the Pogo Mine in Alaska with total reserves and resources of 4.9 Moz Au at 12.45 g/t Au. These may be high grade, structural end-members of the intrusion related gold model rather than typical orogenic veins.

- Lynch (2006) mapped out several kilometers worth of Carlin-like mineralization north of the Property that was anomalous but not economic. It was concluded that sampling of the trend below the water table would be required for bedrock samples unaffected by meteoric leaching.

There is also good potential to host tungsten skarns similar to the Ray Gulch Tungsten Skarn at Dublin Gulch and a nearby showing southeast of the Roop Pluton.

A study by Lynch 2006, described an altered unit of the Keno Hill Quartzite situated 20 km southeast of the Keno Hill mining district, north of Mayo Lake. The unit was traced for 4 km through mapping and sampling and was referred to as the “Sugar Member”. Lynch classifies the unit as a potential host to a sediment-hosted disseminated gold occurrence, on the basis of the stratabound nature of the alteration and veining, and observed decarbonatization and apparent decalcification. Lynch goes on to note that characteristics suggest that the hydrothermal activity occurred within the mesothermal regime rather than the more common epithermal regime of well established, sediment-hosted disseminated gold deposits. Although the gold assays returned modest results, the values are distinctly anomalous and evidence suggests gold was remobilized in the porous unit due to meteoric circulation and leaching and higher grades may be present at depth.

Description of Work

Geophysical Interpretation by GDX

To develop targets for exploration and prospecting from airborne magnetics, MLM contracted Roman Tykajlo, P.Geo, of GDX. GDX provided a second opinion on data quality collected by PGI as well as independent interpretation of geophysical data and further interpolation of data.

Interpretation of results was done on the entire geophysical block which covered an additional nearby claim group owned by MLM. Collectively the Anderson and Davidson claim groups were designated "Block B".

To undertake this analysis GDX was provided with unleveled raw data from the survey. This was then re-leveled and analyzed using Oasis Montaj to check the previous digital elevation model, total magnetic intensity and first vertical derivative; and create second vertical derivative, tilt derivative and analytic signal plots. These analyses were then used to determine which magnetic features likely correspond to structures, contacts or alteration zones and, in conjunction with historical geochemical data, determine credible targets for exploration. These new geophysical analyses and interpretation can be found in Appendix B.

Field operations 2012

The base of operations for this survey was the Silver Trail Inn at Halfway Lakes YT, Canada. Transportation to and from the site was by Bell 206 LR contracted from Fireweed Helicopters Inc. The property was visited seven times over the course of a field season spanning from the 17th of July to the 6th of August 2012.

Soil Sampling

Transect soil sampling was selected over grid sampling due to the limited duration of field activities and large prospective area to be sampled. This method was found to be effective in order to obtain optimal coverage of the Property during the restricted time for sampling.

Daily transects on the Property were designed to obtain the utmost coverage of principle targets by utilizing strategically located helicopter drop off and pick up locations. The transects were selected based on data from geophysics in conjunction with air photo interpretation and proximity of historical anomalies or placer workings. Selected claims were revisited by geologists, where favourable geology was present. Transects vary from 2-4 kilometers in length depending on terrain with a sample spacing of approximately 100 meters. At each station the first 40cm of soil and overburden is penetrated by use of an auger. The next 10-15cms of soil is sampled and placed into a labeled paper sample bag. The location of the sample is then noted and an identification tag containing the sample number is attached at the location.

Samples were not taken from permafrost or bogs/swamps, in this situation samplers walk to the next possible sample location. A duplicate sample was taken every 50 samples.

Samples were hung on a drying rack at the end of every day to remove excess water from the samples. These samples are dried for 24-36 hours at approximately 90 degrees Celsius. The length of drying is entirely dependent on humidity of the sample. Once dry, each sample is then individually packaged in order to decrease possible cross-contamination.

Soil sampling was undertaken by samplers provided by Breakaway Exploration Inc. ("Breakaway") of Val-d'Or QC and directed by MLM personnel. The Breakaway crew consisted of four members:

Joel Demers sampler

Josh Judson sampler

Hugo Girard sampler

James Sullivan sampler

Breakaway personnel utilized the iPAQ personal pocket computer with GPS to record all data and observations; this ensured the precise and accurate documentation of sample sites as well as minimized the possibility of typographical errors. In addition the iPAQ enabled samplers to make minor modifications to pre-planned routes.

Samples were packed and shipped to Acme Analytical Laboratories Ltd. preparatory laboratory in Whitehorse, YT. Soil samples underwent preparation code SS80; dried for 24 hours at 60°C; then screened for 100g at -80 mesh; rejects were discarded. Samples were then sent to Becquerel Laboratories Inc. in Mississauga, Ontario and underwent neutron activation for Sb, Cr, La, Sm, Tb, As, Co, Lu, Sc, Th, Ba, Eu, Hg, Se, Sn, Br, Au, Mo, Ag, W, Ca, Hf, Nd, Na, U, Ce, Ir, Ni, Sr, Yb, Cs, Fe, Rb, Ta and Zn.

Silt Sampling

Daily transects were undertaken that paralleled major creeks, targeting tributary streams. Samplers would take silt samples at every tributary or at 300m intervals where possible along major creeks. Smaller tributaries and the heads of mapped creeks where often dry or filled with material not suitable for sampling. At each sample site 500g of silt was collected and placed in a labeled cloth bag and the location was flagged with the sample number. In fast flowing streams or on transects where silt was scarce (i) amalgamated samples from several hundred meters could be collected or (ii) moss was collected and brushed out for captured sediments.

Samples were dried for up to a week before packaging to ship to Whitehorse.

Silt sampling was undertaken by samplers provided by Tom Morgan of Dawson, YT and directed by MLM personnel. Tom Morgan's crew consisted of two members:

Kane Morgan sampler

Reid Gavin Sampler

Sample sites were located using the Garmin GPS Map 62s and recorded in a field book and sample book. This data was then entered into a database upon returning to camp at the end of each day.

Samples were packed and shipped to Acme Analytical Laboratories Ltd. preparatory laboratory in Whitehorse, YT. Soil and silt samples underwent preparation code SS80; dried for 24 hours at 60°C then screened for 100g at -80 mesh; rejects were discarded. Samples were then sent to Becquerel Laboratories Inc. in Mississauga, Ontario and underwent neutron activation for Sb, Cr, La, Sm, Tb, As, Co, Lu, Sc, Th, Ba, Eu, Hg, Se, Sn, Br, Au, Mo, Ag, W, Ca, Hf, Nd, Na, U, Ce, Ir, Ni, Sr, Yb, Cs, Fe, Rb, Ta and Zn.

Silt sampling proved to be effective during Operation Keno and W. Carrell's 2004 program.

Prospecting and Mapping Activities

Prospecting and mapping activities were carried out by geologists employed by MLM. Daily traverses were designed to cross anomalies interpreted from geophysical data and noteworthy topographical features observed on air photos. During traverses, rock types and geological phenomena were recorded; structural measurements were recorded and samples were taken of potential mineralization. The primary goals of prospecting and mapping activities were to assess the validity of historical mapping and to determine the association between topographical and geophysical features and mineralization.

The two geologists responsible for mapping and prospecting activities were:

Tyrell Sutherland Senior geologist

Remy Poulin Project geologist

Outcrops were located using the Garmin GPS Map 62s and recorded in a field book and sample book. This data was then entered into a database upon returning to camp at day end.

Rock samples were packed and shipped to Acme Analytical Laboratories Ltd. preparatory laboratory in Whitehorse, YT. Samples were crushed, pulverised then analysed using both neutron activation and ICP-MS after 4-acid digestion. Neutron activation analysis was carried out by Becquerel Laboratories Inc. for Sb, Cr, La, Sm, Tb, As, Co, Lu, Sc, Th, Ba, Eu, Hg, Se, Sn, Br, Au, Mo, Ag, W, Ca, Hf, Nd, Na, U, Ce, Ir, Ni, Sr, Yb, Cs, Fe, Rb, Ta and Zn. ICP-MS analysis was undertaken by Acme Laboratories Ltd. in Vancouver for 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% Al% Na%, K%, W, Zr, Ce, Sn, Y, Nb, Ta, Be, Sc, Li, S%, Rb, Hf, In, Re, Se, Te, and Tl.

Observations and Results

Prospecting and Mapping Results

Bedrock was composed primarily of sandy phyllites which were interbedded with thin carbonate units up to 2m thick at many locations along Davidson Creek. Less common units were maroon argillites, low grade schists and massive carbonates. Bedrock mapping was hampered by lack of outcrop on in the highlands so relative abundances of rock types are tentative. Vegetation around carbonate units was marked by a distinct change from dominantly black spruce, moss, willow and Labrador tea to clearings filled with juniper.

A mineralized, foliated carbonate-quartz vein was located within interbedded carbonates and phyllites in the upper reaches of Davidson Creek on the property. Mineralization consisted of fine grained pyrite, chalcopyrite, malachite and galena along foliation planes. Analysis yielded 0.13%Cu, 0.3% Pb and 73 ppb Au the rock sample was also enriched in elements Bi, In, Mn, Se, Sr, Te and Zn. A quartz vein in with minor fine grained pyrite also yielded an anomalous gold result of 51 ppb, this vein was located on the west part of the property above a tributary that is strongly anomalous for arsenic.

Exposed outcrop is most abundant along the upper reaches of Davidson Creek. The highlands are generally covered in felsomere or till and the lower and gentle slopes where generally covered in thick vegetation.

Geophysical Results and Interpretations

GDX determined that the data produced by Precision Geophysics Inc. ("PGI") was of good quality and that PGI's subsequent processing of this data was valid. Copies of the plots of the Davidson Claim Group created by GDX are provided in Appendix B. Also produced and included here (Figure 7) is the structural interpretation and geophysical targets produced by GDX.

The structural interpretation produced by GDX corresponds well with initial interpretation of structure by MLM. Plots of analytic signal, tilt derivative and second vertical derivative produced new targets and provide further understanding of previously identified structures.

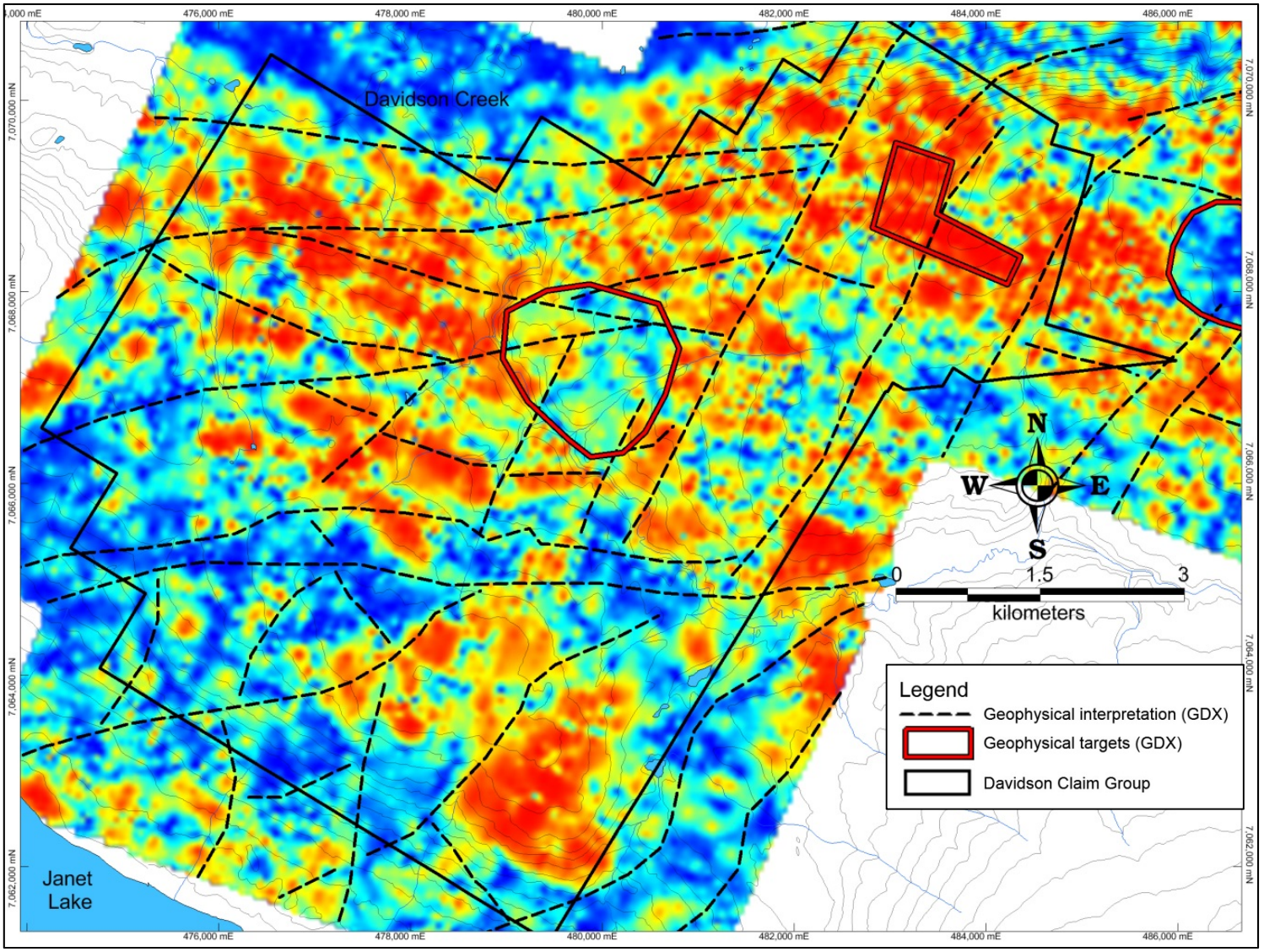


Figure 7: Geophysical interpretations by GDX illustrated on analytic signal plot.

The central target delineated by GDX, corresponding to a distinct magnetic low, may be the extent of the carbonate unit located during mapping activities (Figure 6) or the boundary of an alteration halo related to those interbedded carbonates. It is designated Geochemical Target ("G.T.")D by MLM (Figure 8).

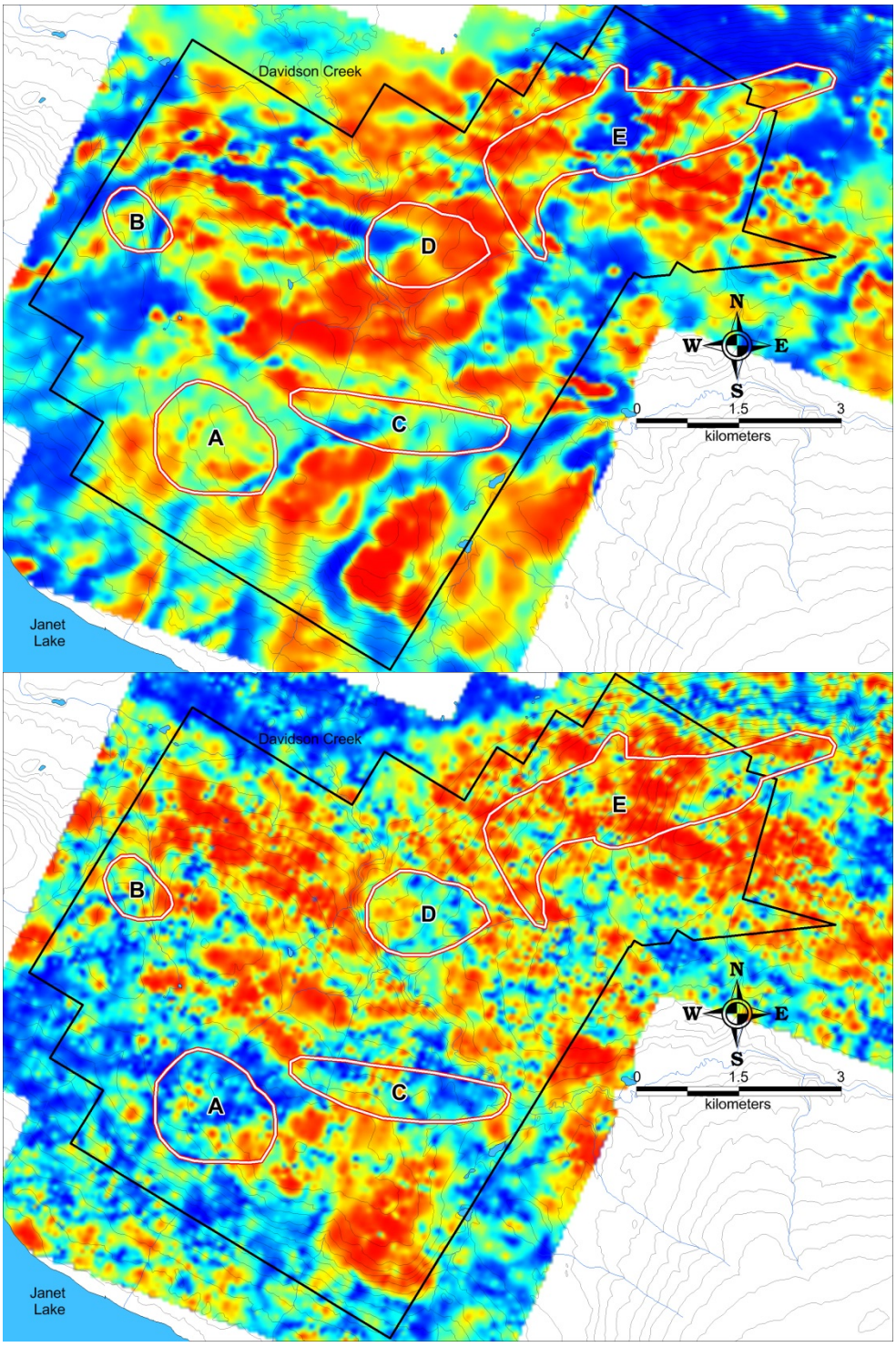


Figure 8: Total magnetic intensity (left) and analytic signal (below) plots showing the locations of G.T.s

Geochemical Results and Interpretations

Two hundred ninety one soil samples were collected along twelve transects, forty silt samples and eight rock samples were also collected. This sampling crossed most structures as interpreted from airborne geophysics on the property as well as prospective source areas for gold above streams that contained placer operations and stream sediment anomalies collected during previous government and private sampling programs.

Analysis of submitted duplicates indicates that results were acceptably reproducible to within 15%, 22 times out of 37 for most elements. The nugget effect may have had an influence on some gold values.

Sample site locations can be found in Appendix C; geochemical plots for selected elements can be found in Appendix D; and analysis of samples can be found in Appendix E.

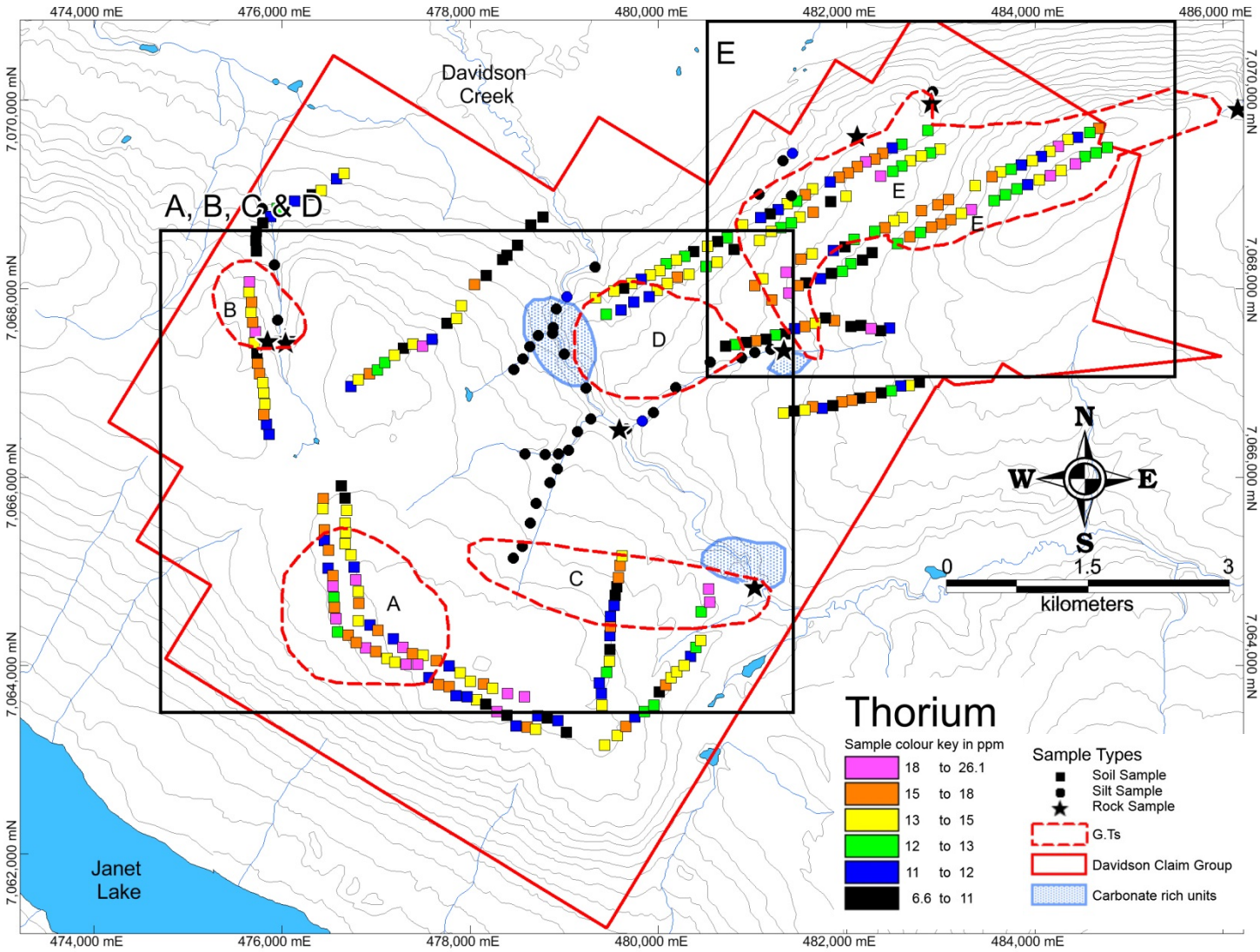


Figure 9: MLM generated G.Ts plotted on thorium: detailed figure are located on the following pages:

A, B, C, D on Figure 10 and 11 E on Figure 12

G.T.A is located on the highlands northeast of Janet Lake (Figure 9). It is marked by anomalous values of Sb, Fe and Sc, scattered anomalous Au values, and elevated Ce, Cr, Nd, Th, U, W and Zn. Variation within the distribution of values suggest the multiple intersecting vein sets with a probable granitic or pegmatite source. An affinity with anomalous elements from G.T.C implies that origin of any mineralization has a commonality; however sampling density between these anomalies is too low to be conclusive and variation of the geophysical features suggests a different structural setting. Lineations as interpreted from geophysical data within G.T.A are dominantly northeast trending (Figures 10 and 11); these are truncated by east-west structures to the north. Sb, Fe and W values are higher on the north-south extension of transects, south of two east-west trending lineations that corresponds to carbonate outcrops located during mapping to the east. Intrusive signatures are stronger along the northwest segments of the transects; these relationships suggest veins/pegmatites and skarns. Variation within intrusive indicators (Nd, Ce) suggests cover thickness is highly variable and exerts a strong control on geochemical values.

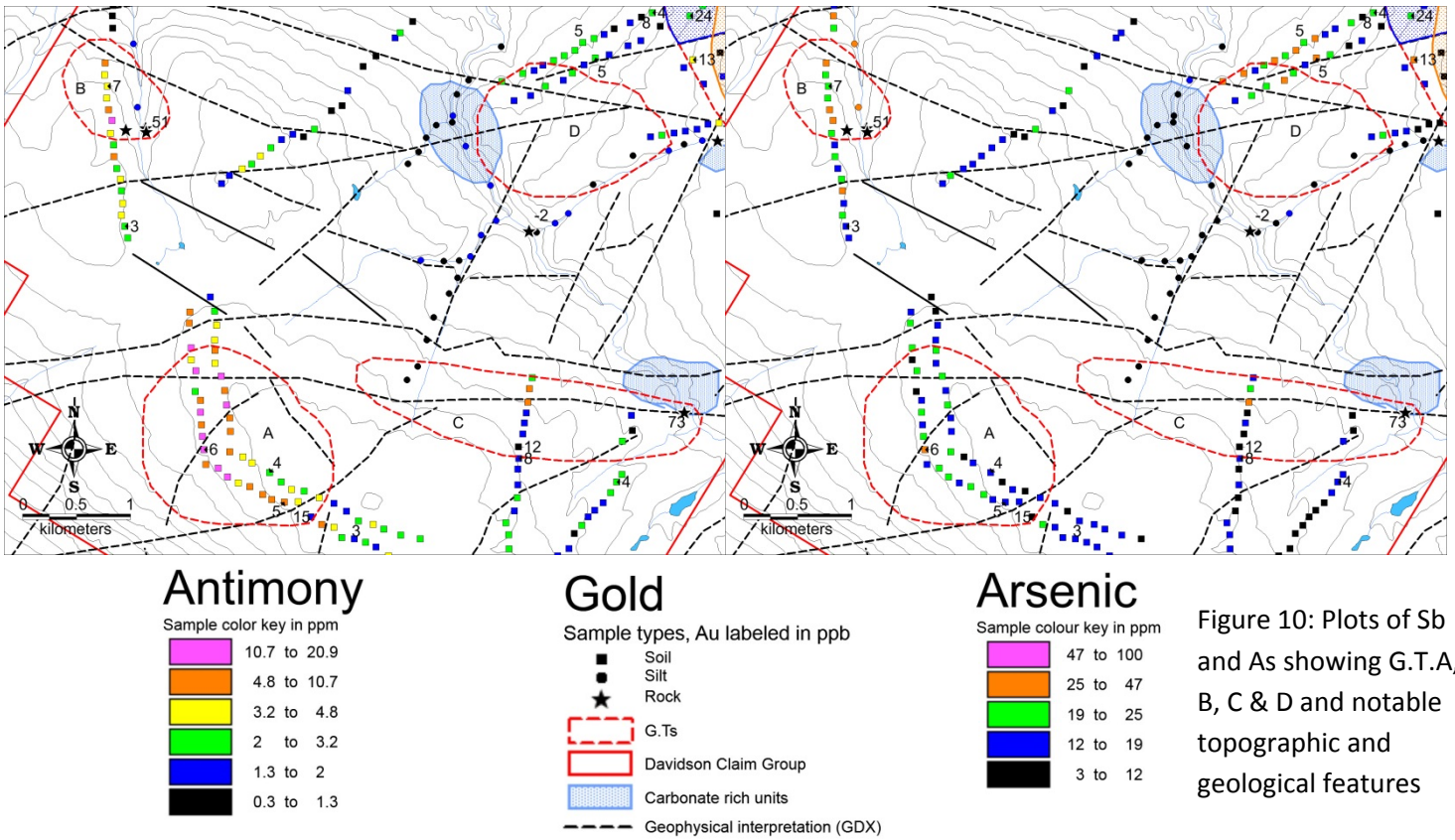


Figure 10: Plots of Sb and As showing G.T.A, B, C & D and notable topographic and geological features

G.T.B is located on the north facing slopes in the western corner of the Property (Figure 9). It is marked by strong Sb values in soils, strong As values in multiple silt samples (this report, Carrel 2004, Gleeson et al. 1965) and quartz veining which returned 51ppb Au. G.T.B samples have elevated Ce, Cr, Fe, Hf, Nd, Th and scattered W, Zn anomalous values. The position of anomalous values suggests that elevated values are related to sampled quartz veining; however results from two rock samples indicate that the sampled quartz vein is not the ultimate source and both are likely outliers to a main zone of mineralization and alteration.

G.T.C is located on slopes south of Davidson Creek (Figure 9). It is generally marked by 200-300m wide set of anomalous values of various elements along the east-west striking features that truncates the northern limit of G.T.A. Samples have high values for U, Sb, Th, As, Au, Zn, Nd, Fe and Ce. This anomaly appears to be multiphase, possibly a reactivated structure or contact; anomalies are typically contiguous for two samples along a transect but do not correspond to other elements over the same distance. G.T.C follows a unit confined by parallel east-west trending geophysical structures which are coincident with the north and south boundaries of a mapped carbonate unit to the east; this geophysical feature may be the contact of the carbonate. The southern geophysical lineations are coincident with the mineralized, foliated, quartz-carbonate vein described in the prospecting section of this report. Zinc anomalies west of G.T.C and Au anomalies from the 2004 sampling program may be related to the source of alteration causing G.T.C or may represent an additional system on the Property

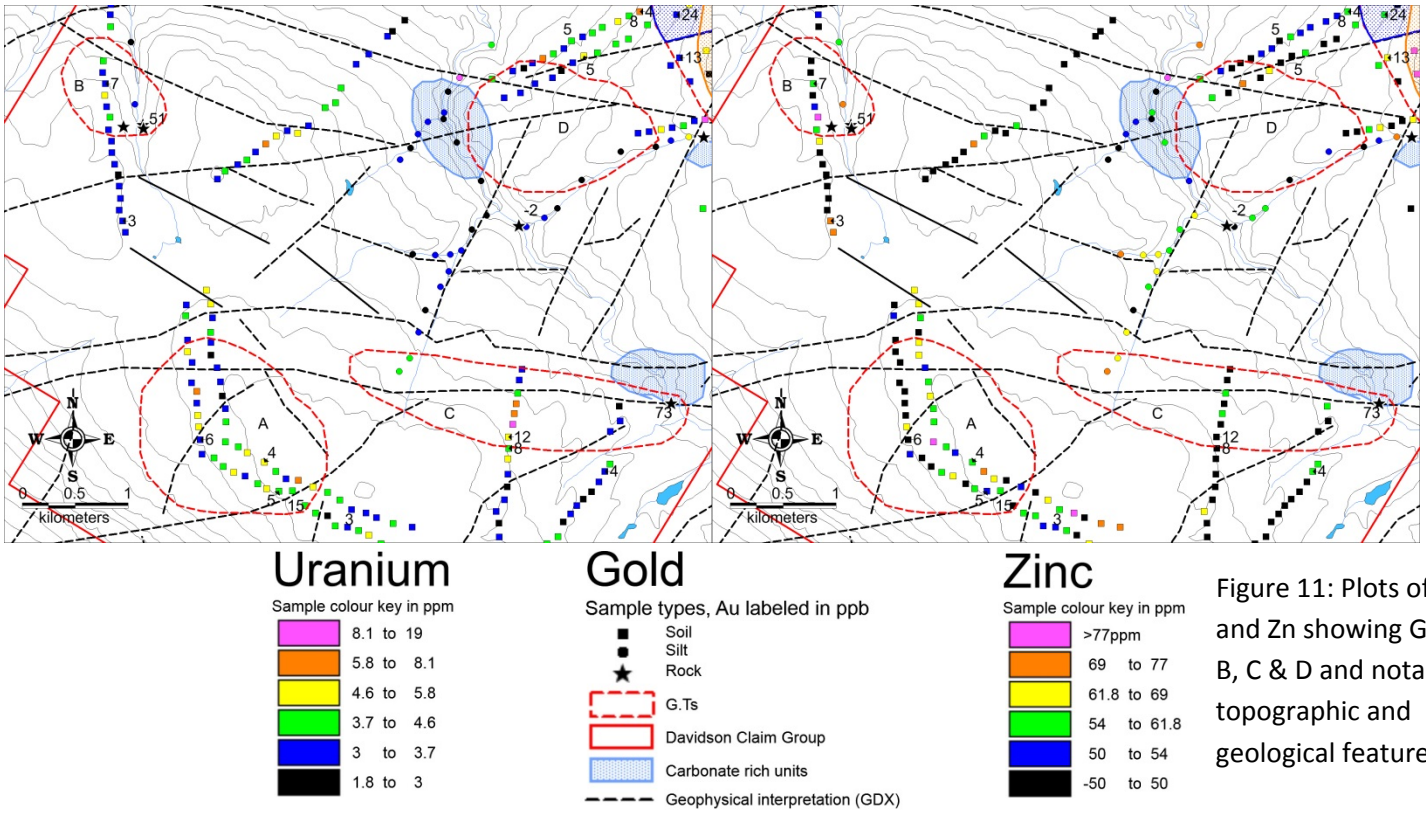


Figure 11: Plots of U and Zn showing G.T.A, B, C & D and notable topographic and geological features

G.T.D is located on the slopes north Davidson Creek (Figure 9). G.T.D is surrounded on three sides by historical placer operations and lies over a distinct magnetic low. Samples from this anomaly yielded elevated As, Nd and Au, however sampling density was low and provided incomplete coverage. Carrel's (2004) results within this G.T returned anomalous Sb and Au. The magnetic low could represent the boundaries of a carbonate unit exposed to the east and west of G.T.D. No outcrop was found within the target area.

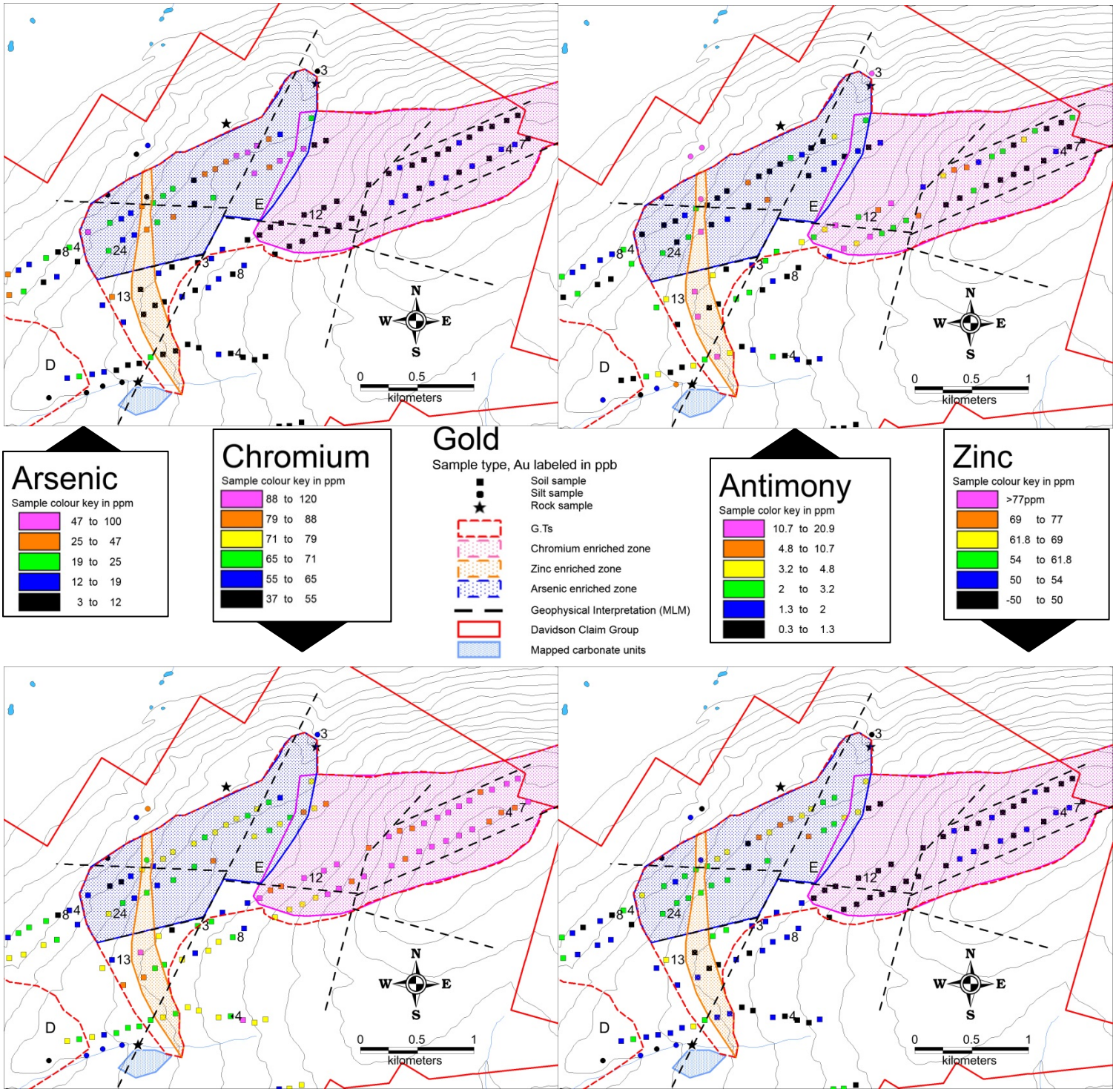


Figure 12: Plots of As, Cr, Sb and Zn showing zones of G.T.E with notable geophysical and topographic features

G.T.E is located on the highlands east of Davidson Creek (Figure 9). It is marked by high values of As, Au, Cr, Ce, Fe, Nd, Sb, Th, U, W and Zn divided between three distinct alteration zones (Figure 12) that appear to relate directly to geophysical features. The chromium-enriched zone ("Cr-Zone") is enriched in Cr, Ce, Fe, Nd, Sc, contains discontinuous Zn values and follows two northeast trending magnetic features near the eastern edge of the property. The Cr-Zone is truncated by an east-west trending structure to the south and a northnortheast trending structure to the west. The arsenic-enriched zone ("As-Zone") is enriched in As, Au and Sb and follows the northnorthwest trending structure (Figure 12).

Alteration related to the As-Zone is truncated to the south by a northeast trending structure (Figure 12). A north-south trending zinc-enriched zone ("Zn-Zone") on the western side of G.T.E appears to be a late feature crossing both the As-Zone and geophysicaly defined lineations (Figure 8 and 12). The Zn-Zone is enriched in Zn, Ce, Fe, Th, U and W. Elevated U values within the Cr-Zone appear to follow the same trend as the Zn-Zone. The As-Zone and Cr-Zone are possibly vein related with a probable intrusive source being present under the Cr-Zone. The Zn-Zone is likely related to an intrusive dyke or pegmatite. The highly variable values for certain elements and the postulated alteration suggest that G.T.E is underlain by geology that is favourable to vein/dyke formation, possibly along abundant fracture sets cut by several major structures.

Discussion and Conclusions

The Tintina Gold Belt, in which the Property lies, extends for more than 2100 km along the length of the North American Cordillera in Alaska and Yukon. It contains gold and silver deposits that are spatially and temporally associated with Cretaceous age plutonism. In general, bismuth-tungsten-tellurium signatures characterize deposits hosted by granitoid rocks whereas those hosted by sedimentary rocks and dyke systems characteristically have arsenic-antimony signatures (Goldfarb et al. 2000). Significant differences in structural styles, levels of deposit emplacement, ore-fluid chemistry and gold grades suggest that the deposits represent a broad range of emplacement regimes.

The Tintina Gold Belt offers excellent exploration and mining targets. Target often have good size potential; for example Dublin Gulch is reported to contain 6.4 million ounces gold at a grade of 0.62 g/t and Brewery Creek was reported to contain 825,000 ounces gold at a grade of 1.36 g/t prior to production. The Fort Knox deposit is reported to contain 7 million ounces gold, at a grade of 0.9 g/t and POGO deposit contains approximately 4.9 million ounces gold at a grade of 12.45 g/t.

The Property is most likely to host deposits related to the felsic Tombstone Plutonic Suite. In many cases these intrusions may not be visible; dykes or plugs smaller then several square kilometers are commonly not mapped or not included in regional scale maps. Where the exposed extent is small, the intrusion may still successfully host or drive mineralization; small exposures could also be indicative of larger unroofed stocks. These small dykes or plugs are relatively abundant within the Hyland Group, but are rarely mapped. Economic deposits related to these plutons can be quite varied depending on proximity, host lithology, level of emplacement and regional structures; an idealized model for deposits relating to these intrusions is represented in Figure 5.

Property Interpretations

Re-analysis of the magnetics, utilizing second vertical derivative, tilt derivative and analytic signal, resulted in improved definition of magnetic structures and possible alteration zones. This allowed for optimal positioning of geochemical sample transects. This higher quality analysis also allows for predicting extensions of newly defined geochemical anomalies.

Mapping on the property located abundant carbonate outcrop and numerous areas of juniper rich vegetation, which mark the presence of further carbonates. These carbonate units are more abundant

in this portion of the Hyland group than previously mapped, it is likely that historical placer operations recovered gold sourced from skarn or carlin type mineralization within local carbonate units.

Historical (i) high values for arsenic, (ii) and a placer occurrence, from a tributary on the west of the property were traced to quartz veins within G.T.B. further prospecting work should target these veins to determine which are likely host to mineralization.

Mineralization and alteration on the property appears to be structurally related with the possible exception of G.T.C and D where skarnification of carbonates would be the most likely cause of high values. Numerous gold anomalies produced by Carrel (2004) were likely sourced from carbonates within a north or west extension of G.T.C. High Zn values in silt samples from a tributary north of G.T.C indicate that skarn mineralization may be extensive. Anomalous values suggest pegmatite or aplite dykes and an intrusive source for fluids; however geophysics data is not suggestive of large intrusive stocks or plugs. The absence of mapped intrusives to date may simply relate to the near continuous overburden and lack of detailed mapping and prospecting over the Proeprty.

Recommended Future Exploration

Due to the ambiguity related to results from reconnaissance soil surveying and the difficulties of interpreting geophysical data without good ground controls, further soil sampling at closer intervals is required within all G.T.s on Figure 8 and 9 to better define the nature and extent of mineralization and to define targets for trenching and drilling. Concurrently, mapping and prospecting of all G.T.s. and especially along Davidson Creek is recommended to better understand thier geology, their mineral potential and to plan subsequent trenching and/or drilling operations. Light trenching equipment could be used to test G.T.s where cover has been determined to be relatively thin.

Felsomere and bog hampered prospecting efforts on the western slopes and highlands. Where drainage or permafrost hampers the regular sampling of C horizon soils, it may be necessary to implement sampling of the A horizon instead. Unless the trends of mineralization can be clearly defined the recommended sampling grid is 50m by 50m. Where trends are clear 50m sample intervals along 100m spaced lines is recommended. To facilitate such a program, it would be best to process the soils in the field and do an analysis with a mobile XRF system. Following this sampling, in areas where indicator elements are anomalous samples spacings could be closed up to 25 m by 25m or 25m by 50m and these focused grids would be sent for independent assay and used to delineate trenching targets directly. Some prospecting and trenching could be focused on defined quartz veining near geochemical anomaly B to determine the possible extent of mineralization. Screening of the complete Property outside that presently covered by soil sampling transects should eventually be completed with a grid pattern related to geological controls established by the prospecting, mapping and sampling within the adjacent G.T.s. plus the airborne geophysics.

References

Becker, T.C.
2000 Assessment Report 094179, on the Black Property, Black Creek, Mayo Mining District, Yukon Territory for Archer, Cathro & Associates (1981) Limited, October, 2000.

Bond, J.D.
1999. Glacial limits and ice-flow map, Mayo area, central Yukon (1:250,000 scale) Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1999-13.

Bostock, H.S.
1947 Mayo, Yukon Territory. Geological Survey of Canada, Map 890A

Boyle, R.W.
1964 Geology Keno Hill-Galena Hill Area, Yukon Territory, Geological Survey of Canada, Map 1147A

Boyle, R.W.
1965 Geology, Geochemistry and Origin of the Lead-Zinc-Silver Deposits of the Keno Hill-Galena Hill Area, Yukon Territory. Geological Survey of Canada Bulletin 11

Carrell, W.
2004 Report of 2004 Field Activities Funded Under YMIP Grant #04-034, Mayo Lake Focused Regional Program, Mayo, Yukon Territory, Canada

Gleeson, C.F., Boyle, R.W.
1980a Minor and Trace Element Distribution in the Heavy Minerals of the Rivers and Streams of the Keno Hill District Yukon Territory. Geological Survey of Canada Paper 76-31.

Gleeson, C.F., Boyle, R.W.
1980b The Lithogeochemistry of the Keno Hill District Yukon Territory. Geological Survey of Canada Paper 77-31.

Gleeson, C.F. et. Al. (9 Maps)
1965 (Ag, As, B, Cu, Ni, Pb, Sb, W+Sn, Zn) Content of Stream and Spring sediments, Keno Hill Area, Yukon Territory; Geol. Surv. Can., Map 45- 50, 52-53, 56-1965

Gleeson, C.F., Boyle, R.W.
1972 Gold in Heavy Mineral Concentrates of stream Sediments, Keno Hill Area, Yukon Territory. Geological Survey of Canada Paper 71-51.

Goldfarb, R., Hart, C., Miller, M., Miller, L., Farmer, G.L. and Groves, D.
2000 The Tintina Gold Belt - A Global Perspective *in* The Tintina Gold Belt: Concepts Exploration and Discoveries, Special Volume 2, British Columbia and Yukon Chamber of Mines Cordilleran Roundup, January 2000.

Green, L.H.
1971. Geology of Mayo Lake, Scougale Creek and McQuesten Lake map areas, Yukon Territory (105M/IS, 1060/2, 106 D/3). Geological Survey of Canada, Memoir 357,72 p.

Green, L H; Roddick, J A;
1972 Geology of Mayo Lake, Yukon Territory. Geological Survey of Canada, "A" Series Map 1284A

Hart, C.J.R., McCoy, D.T., Goldfarb, R.J., Smith, M., Roberts, P., Hulstein, R., Bakke, A.A., Bunddtzen, T.K. 2002. Geology, exploration and discovery in the Tintina Gold Province, Alaska and Yukon *in* Marsh, E.E., Goldfarb, R.J. and Day, W.C. (eds.), Integrated Methods for Discovery; Global Exploration in the Twenty-First Century. Society of Economic Geologists, Special Publication Vol. 9, p. 241–274.

Hughes, O.L.
1983 Surficial geology and geomorphology, Mount Edwards, Yukon Territory; Geological Survey of Canada, Map5-1982 (1:100,000)

Hunt, J.A., Murphy, D.C., Roots, C.F., and Poole, W.H.,
1996. Geological map of Mt. Haldane area, Yukon (105M/13). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Map 1996-4, scale 1:50 000.

Kindle, E.D.,
1962 Geology Keno Hill, Yukon Territory. Geological Survey of Canada, Map 1105A

Lebarge, W.P., Bond, J.D., Hein, F.J.,
2002 Placer gold deposits of the Mayo Area, Central Yukon, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Bulletin 13, pp.209

Lee, W.K..
1966 Arivaca Explorations Limited, Mayo Lake Area, Yukon, Assessment Report # 017476, Yukon Energy, Mines & Resources Library.

Lynch, G.
2006 Sediment-hosted disseminated gold occurrence, northeast Mayo Lake area. *in* Yukon Exploration and Geology 2005, D.S. Emond, G.D. Bradshaw, L.L. Lewis and L.H. Weston (eds.), Yukon Geological Survey, p. 327-339.

McIntyre, J.F.
1966 Arivaca Explorations Limited, Mayo Lake Area, Yukon, Assessment Report # 017476, Yukon Energy, Mines & Resources Library.

Murphy, D.C. and Roots, C.F.,
1996. Geological map of Keno Hill area, Yukon (105M/14). Exploration and Geological Services Division, Indian and Northern Affairs Canada, Map 1996-1, scale 1:50 000.

Murphy, D.C.
1997 Geology of the McQuesten River Region, Northern McQuesten and Mayo Map Areas, Yukon Territory (105P/14, 15, 16; 105M/B, 14); Exploration and Geological Services Division, Indian and Northern Affairs Canada; Bulletin 6, p. 122.

Rampton, V.N., Sutherland, T.B.,
2012 Mayo Lake Minerals Inc. Assessment report on the Davidson Claim Group Geophysical Survey, under assessment, Yukon Energy, Mines & Resources Library.

Roots, C. F.
1997. Geology of the Mayo·Map Area, Yukon Territory (105M). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Bulletin 7, 82 p.

Appendix A

Statement of Qualifications

Dr. V.N. Rampton, P.Eng.

Rampton Resources Group Inc.

P.O. Box 158, 3226 Carp Road

Carp, Ontario. K0A 1L0

Tel: (613) 836-2594; E-mail: vrampton@rogers.com

I, V.N. Rampton, Ph.D., P.Eng., do hereby certify that

1. I am President of Rampton Resource Group Inc. and President and CEO of Mayo Lake Minerals Inc.
2. I graduated with a B.Sc. Eng. (Geology) from University of Manitoba in 1962 and with a Ph.D. (Geology) from University of Minnesota in 1969.
3. I am a member of the Professional Engineers of Ontario.
4. I have worked as a geologist for over 50 years, specifically in mineral exploration for the last 40 years, in Canada, Slovakia, Finland, Spain, Burkina Faso, Jamaica and the United States of America.
5. By reason of my education, affiliation with a professional organization (as defined in N.I. 43-101) and past relevant work experience, I fulfill the requirements of a "qualified person" for the purposes of N.I. 43-101.
6. By reason of my being CEO, President and a Director and my share holdings in Mayo Lake Minerals Inc., I am not an "independent qualified person" for the purposes of N.I 43-101.
7. I am a co-author but bear responsibility for the preparation of the technical report titled "Assessment report on the Davidson Claim Group 2012 Geophysical Interpretation and Geochemical Surveys and Interpretation". The technical information contained within the report was collected and interpreted under my authority.

Dated the 9th day of August, 2013.



_____

Vernon Neil Rampton

Tyrell Sutherland B.Sc.

Mayo Lake Minerals Inc.

P.O. Box 158, 3226 Carp Road

Carp, Ontario. K0A 1L0

Tel: (613) 884-8332; E-mail: tyrellsutherland@hotmail.com

I, T.B. Sutherland, B.Sc., do hereby certify that

1. I am an authorized agent of Mayo Lake Minerals Inc.
2. I graduated with a B.Sc. Honors Specialization Geology, from the University of Ottawa in 2009.
3. I am a member of the Prospectors and Developers Association of Canada.
4. I have worked as a geologist for approximately 5 years, specifically in mineral exploration, in Canada, Australia, Jamaica and China.
5. I do not fulfill the requirements of a "qualified person" for the purposes of N.I. 43-101.
6. I am the senior co-author and to the best of my knowledge all data used in the preparation of the technical report titled “Assessment report on the Davidson Claim Group 2012 Geophysical Interpretation and Geochemical Surveys and Interpretation” is correct and of good quality. The technical information contained within the report was collected under my supervision and I was primarily responsible for its interpretation.

Dated the 9th day of August, 2013

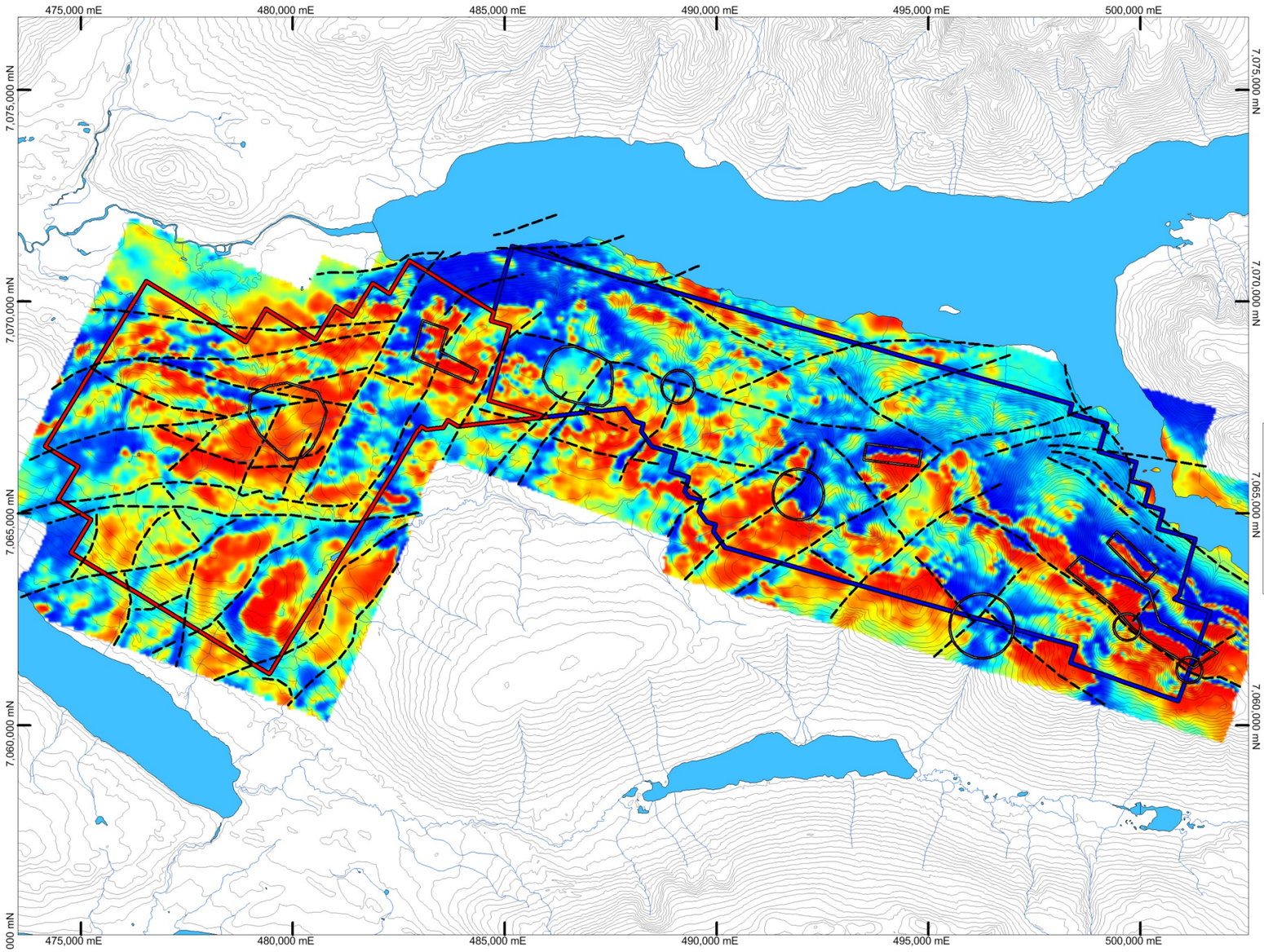


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Tyrell Brodie Sutherland

Appendix B

Geophysical Data



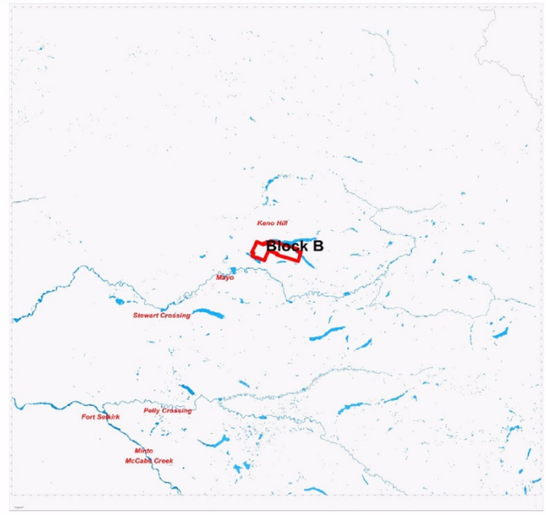
Claim Groups in Block B

- Anderson Claim Group
- Davidson Claim Group
- Structural Interpretation
- Targets(GDX)

LEGEND

Map Projection:

Projection: Universal Transverse Mercator
Central Meridian: 225 Zone 8N
Datum: WGS 84



Survey Dates:	February 24, 2012 to March 02, 2012
Survey Base:	Mayo, YT
Helicopter Type:	Bell 206 Jet Ranger
Registration:	C-FZHK
Survey Technology:	Magnetic survey

SURVEY PARAMETERS:

Mean Terrain Clearance:	
Helicopter:	35 meters
Magnetometer:	35 meters
Spectrometer:	35 meters
Block B:	
Survey Line Spacing:	150 meters
Survey Line Direction:	024°-204°
Tie Line Spacing:	1500 meters
Tie Line Direction:	114°-294°

AIRBORNE SYSTEMS:

Scintrex CS-3 Magnetometer Sensor

Configuration:	Stinger with 3 axis compensation
Sample Rate:	10 Hz
Sensitivity:	0.01 Nt

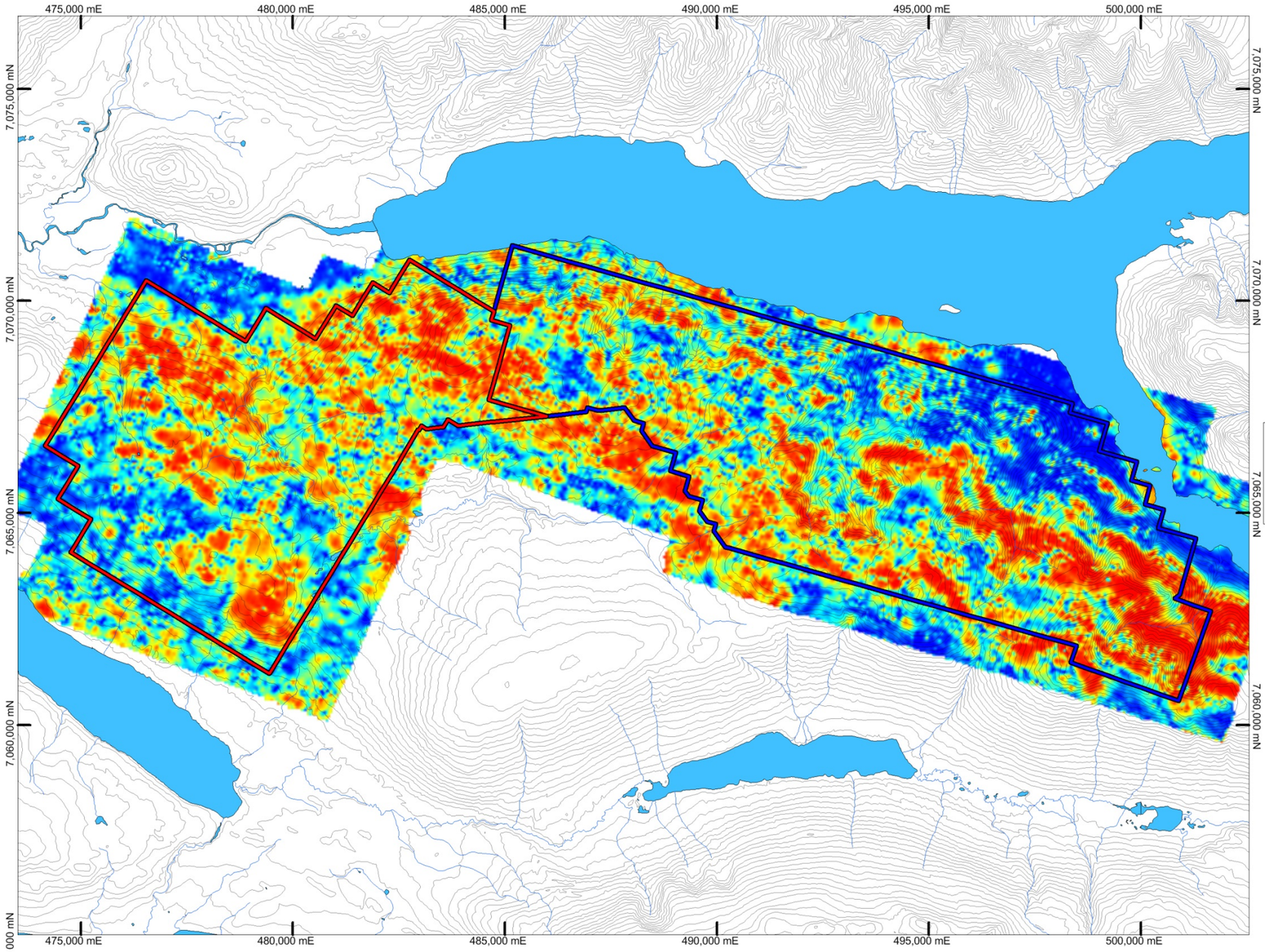
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kilometres

Scale 1:115,000

Mayo Lake Minerals Inc.

Total magnetic intensity with
GDX structurral interpretation
Block B



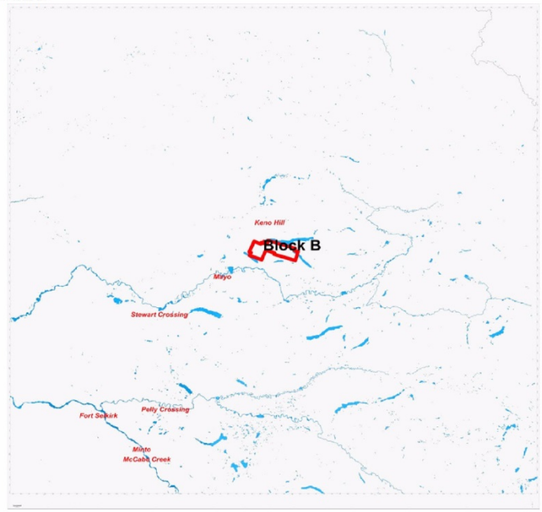
Claim Groups in Block B

- Anderson Claim Group
- Davidson Claim Group

LEGEND

Map Projection:

Projection: Universal Transverse Mercator
Central Meridian: 225 Zone 8N
Datum: WGS 84



Survey Dates:	February 24, 2012 to March 02, 2012
Survey Base:	Mayo, YT
Helicopter Type:	Bell 206 Jet Ranger
Registration:	C-FZHK
Survey Technology:	Magnetic survey

SURVEY PARAMETERS:

Mean Terrain Clearance:	
Helicopter:	35 meters
Magnetometer:	35 meters
Spectrometer:	35 meters
Block B:	
Survey Line Spacing:	150 meters
Survey Line Direction:	024°-204°
Tie Line Spacing:	1500 meters
Tie Line Direction:	114°-294°

AIRBORNE SYSTEMS:

Scintrex CS-3 Magnetometer Sensor

Configuration:	Stinger with 3 axis compensation
Sample Rate:	10 Hz
Sensitivity:	0.01 Nt

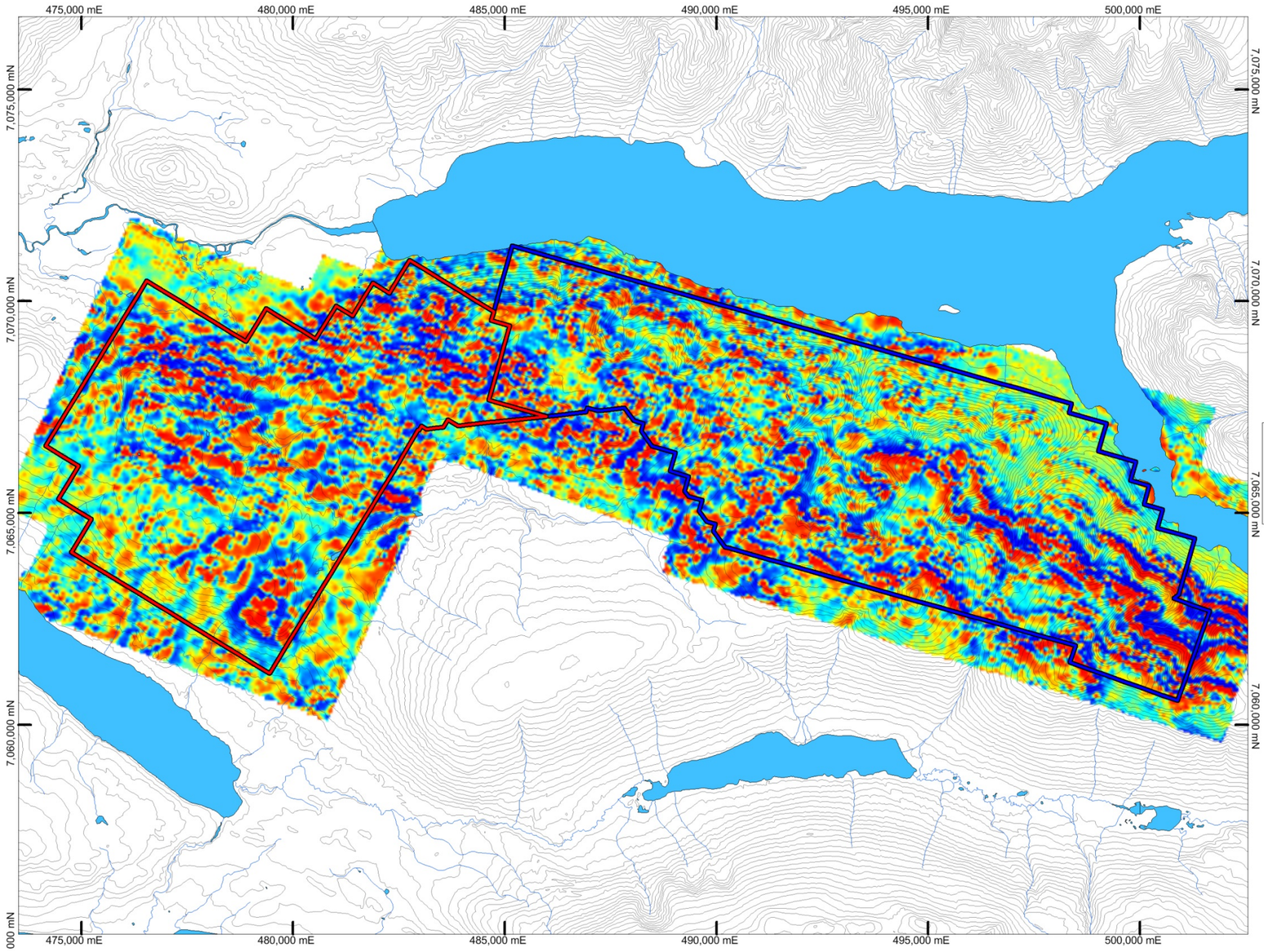
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kilometres

Scale 1:115,000

Mayo Lake Minerals Inc.

Analytic Signal
Block B



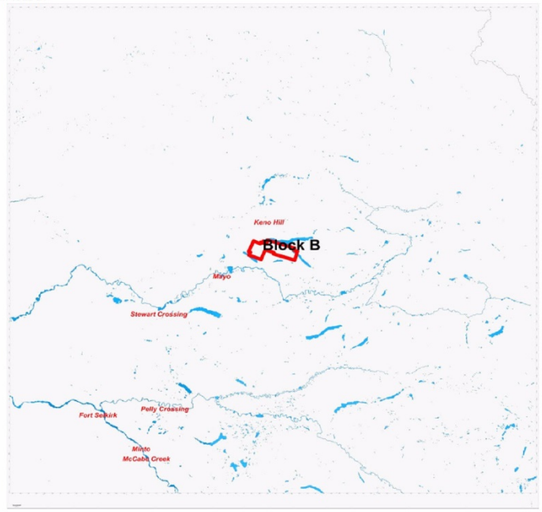
Claim Groups in Block B

- Anderson Claim Group
- Davidson Claim Group

LEGEND

Map Projection:

Projection: Universal Transverse Mercator
Central Meridian: 225 Zone 8N
Datum: WGS 84



Survey Dates:	February 24, 2012 to March 02, 2012
Survey Base:	Mayo, YT
Helicopter Type:	Bell 206 Jet Ranger
Registration:	C-FZHK
Survey Technology:	Magnetic survey

SURVEY PARAMETERS:

Mean Terrain Clearance:	
Helicopter:	35 meters
Magnetometer:	35 meters
Spectrometer:	35 meters

Block B:

Survey Line Spacing:	150 meters
Survey Line Direction:	024°-204°
Tie Line Spacing:	1500 meters
Tie Line Direction:	114°-294°

AIRBORNE SYSTEMS:

Scintrex CS-3 Magnetometer Sensor

Configuration:	Stinger with 3 axis compensation
Sample Rate:	10 Hz
Sensitivity:	0.01 Nt

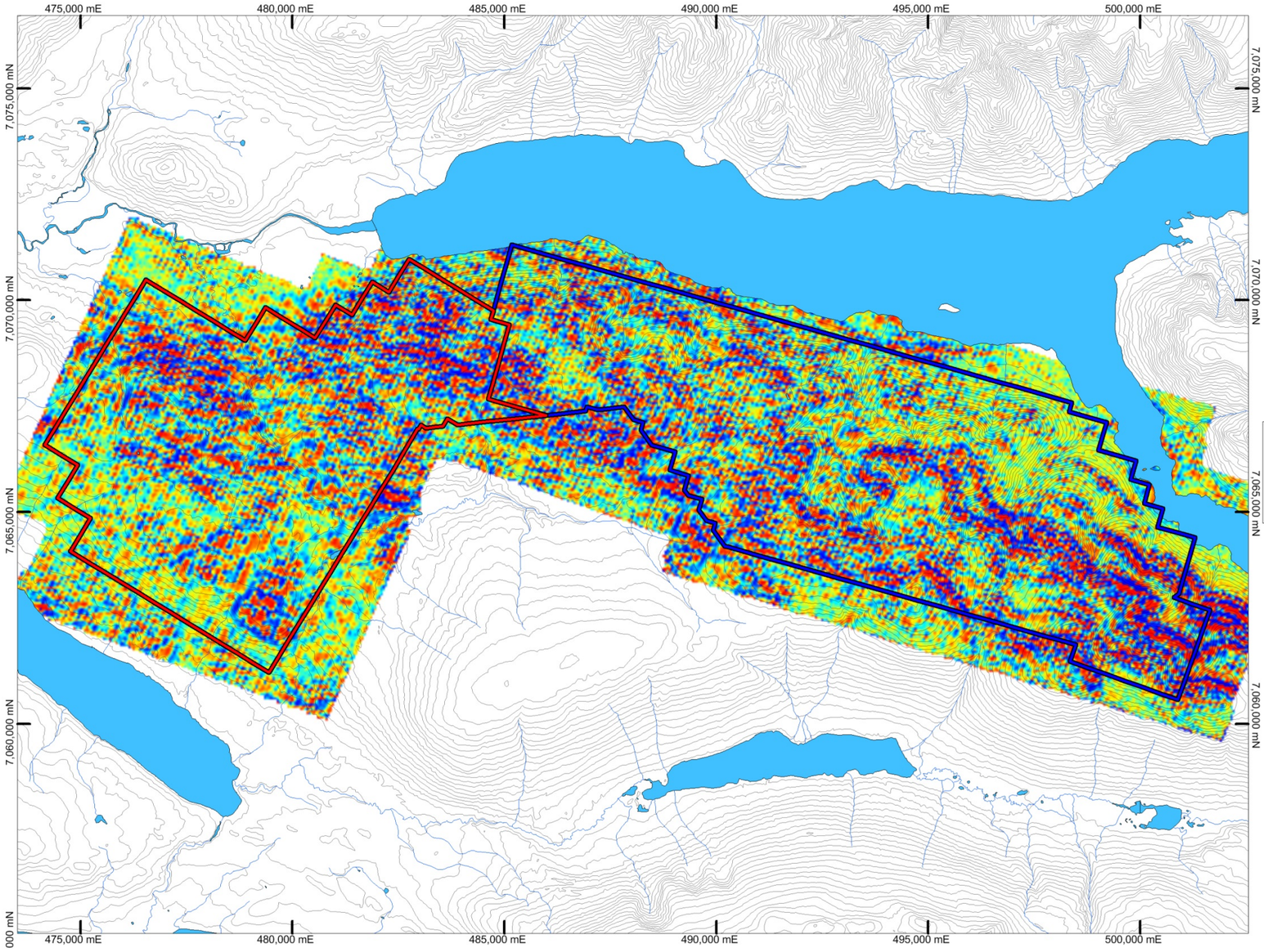
N

0 1.5 3
kilometres

Scale 1:115,000

Mayo Lake Minerals Inc.

First Vertical Derivative
Block B



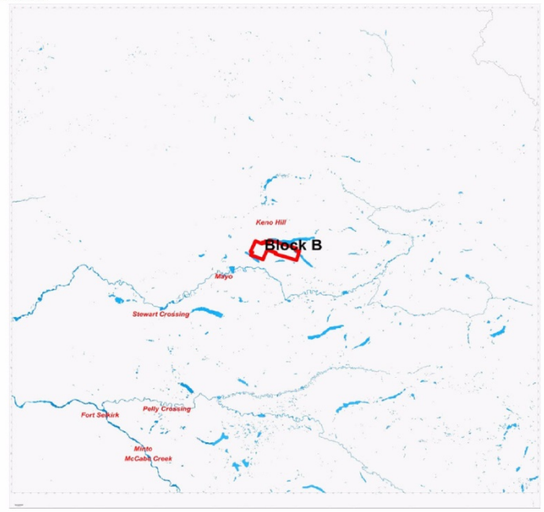
Claim Groups in Block B

- Anderson Claim Group
- Davidson Claim Group

LEGEND

Map Projection:

Projection: Universal Transverse Mercator
Central Meridian: 225 Zone 8N
Datum: WGS 84



Survey Dates:	February 24, 2012 to March 02, 2012
Survey Base:	Mayo, YT
Helicopter Type:	Bell 206 Jet Ranger
Registration:	C-FZHK
Survey Technology:	Magnetic survey

SURVEY PARAMETERS:

Mean Terrain Clearance:	
Helicopter:	35 meters
Magnetometer:	35 meters
Spectrometer:	35 meters

Block B:

Survey Line Spacing:	150 meters
Survey Line Direction:	024°-204°
Tie Line Spacing:	1500 meters
Tie Line Direction:	114°-294°

AIRBORNE SYSTEMS:

Scintrex CS-3 Magnetometer Sensor

Configuration:	Stinger with 3 axis compensation
Sample Rate:	10 Hz
Sensitivity:	0.01 Nt

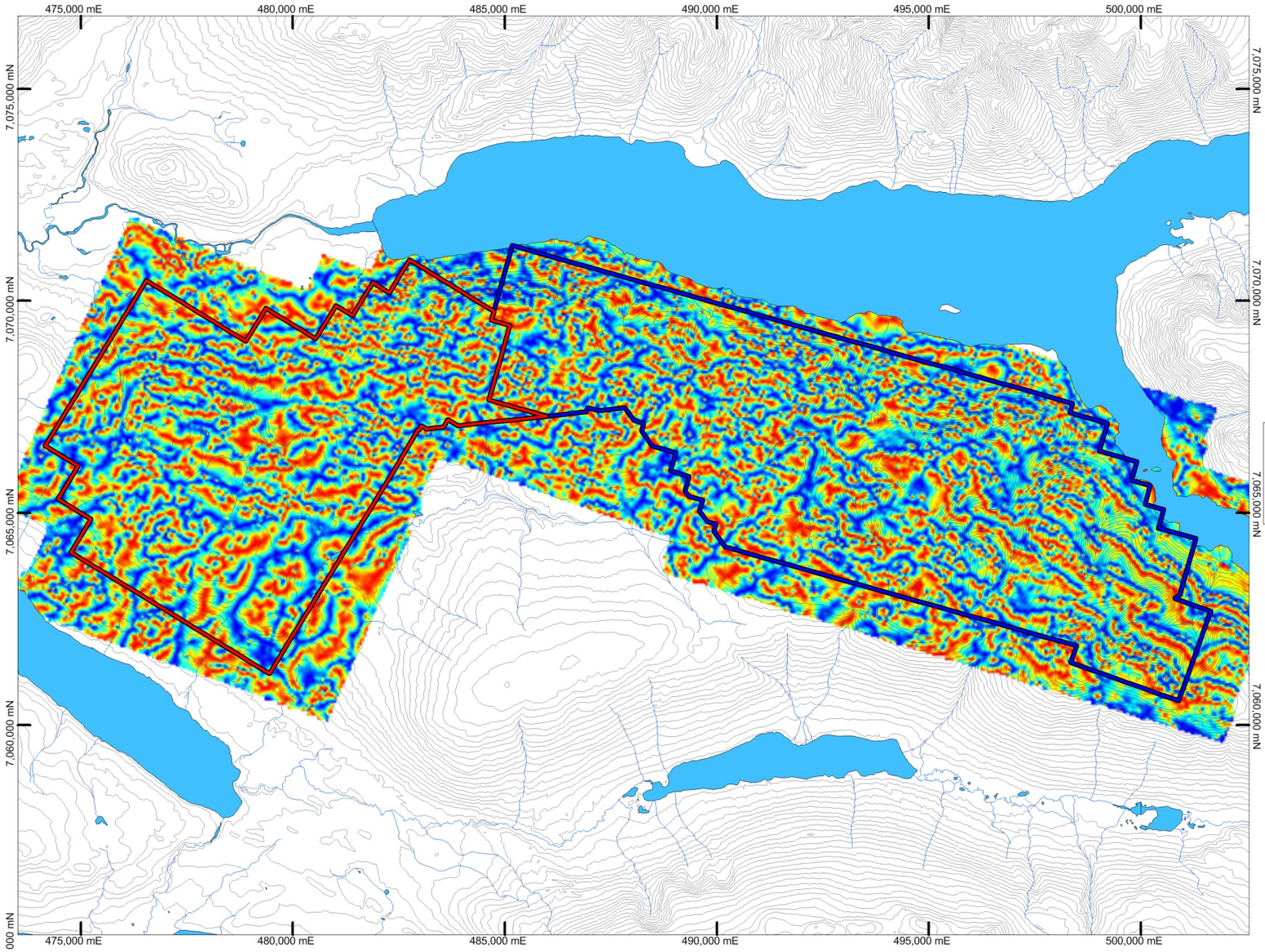
N

0 1.5 3
kilometres

Scale 1:115,000

Mayo Lake Minerals Inc.

Second Vertical Derivative
Block B



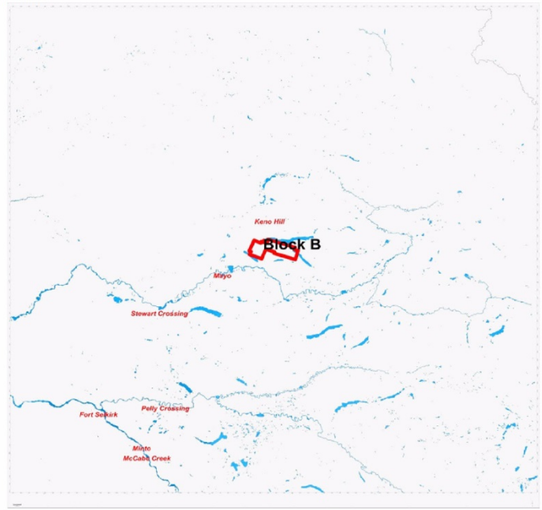
Claim Groups in Block B

- Anderson Claim Group
- Davidson Claim Group

LEGEND

Map Projection:

Projection: Universal Transverse Mercator
Central Meridian: 225 Zone 8N
Datum: WGS 84



Survey Dates:	February 24, 2012 to March 02, 2012
Survey Base:	Mayo, YT
Helicopter Type:	Bell 206 Jet Ranger
Registration:	C-FZHK
Survey Technology:	Magnetic survey

SURVEY PARAMETERS:

Mean Terrain Clearance:	
Helicopter:	35 meters
Magnetometer:	35 meters
Spectrometer:	35 meters

Block B:

Survey Line Spacing:	150 meters
Survey Line Direction:	024°-204°
Tie Line Spacing:	1500 meters
Tie Line Direction:	114°-294°

AIRBORNE SYSTEMS:

Scintrex CS-3 Magnetometer Sensor

Configuration:	Stinger with 3 axis compensation
Sensitivity:	0.01 Nt
Sample Rate:	10 Hz

N

0 1.5 3
kilometres

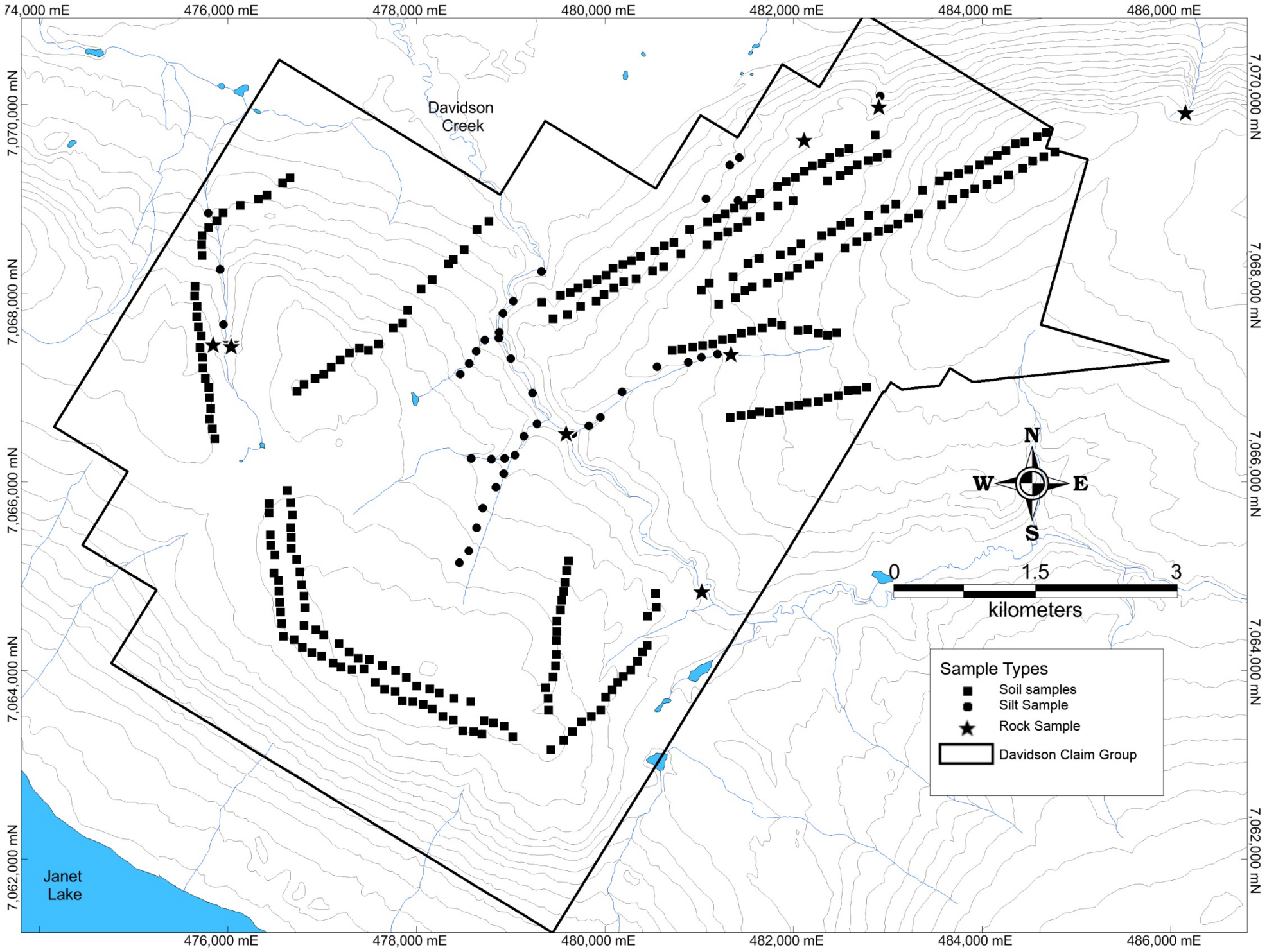
Scale 1:115,000

Mayo Lake Minerals Inc.

Tilt Derivative
Block B

Appendix C

Sample Collection data


74,000 mE
476,000 mE
478,000 mE
480,000 mE
482,000 mE
484,000 mE
486,000 mE
7,070,000 mN
7,068,000 mN
7,066,000 mN
7,064,000 mN
7,062,000 mN
Davidson Creek
Janet Lake
N
W
E
S
0
1.5
3
kilometers
Sample Types
Soil samples
Silt Sample
Rock Sample
Davidson Claim Group

Sample ID	Sample Type	Sample Date	Sampler	Elevation	Easting	Northing	Datum
126795	Soil	28-Jul-12	JamesSullivan	979.9	476629.1	7065909	WGS84_8N
126796	Soil	28-Jul-12	JamesSullivan	987.1	476668.7	7065779	WGS84_8N
126797	Soil	28-Jul-12	JamesSullivan	990.4	476686.5	7065648	WGS84_8N
126798	Soil	28-Jul-12	JamesSullivan	993.5	476669.7	7065511	WGS84_8N
126799	Soil	28-Jul-12	JamesSullivan	988.2	476673.6	7065413	WGS84_8N
126800	Soil	28-Jul-12	JamesSullivan	993.7	476671.4	7065295	WGS84_8N
126801	Soil	28-Jul-12	JamesSullivan	996	476730.5	7065175	WGS84_8N
126802	Soil	28-Jul-12	JamesSullivan	1002.3	476763.8	7065042	WGS84_8N
126803	Soil	28-Jul-12	JamesSullivan	1005.3	476779.7	7064906	WGS84_8N
126804	Soil	28-Jul-12	JamesSullivan	1006.9	476809	7064788	WGS84_8N
126805	Soil	28-Jul-12	JamesSullivan	1002.1	476815.7	7064663	WGS84_8N
126806	Soil	28-Jul-12	JamesSullivan	998.3	476808.4	7064474	WGS84_8N
126807	Soil	28-Jul-12	JamesSullivan	1007.7	476931.7	7064428	WGS84_8N
126808	Soil	28-Jul-12	JamesSullivan	1011.3	477017.2	7064372	WGS84_8N
126809	Soil	28-Jul-12	JamesSullivan	1010.5	477179.8	7064280	WGS84_8N
126810	Soil	28-Jul-12	JamesSullivan	1019.6	477285.6	7064195	WGS84_8N
126811	Soil	28-Jul-12	JamesSullivan	1019.6	477383.3	7064124	WGS84_8N
126812	Soil	28-Jul-12	JamesSullivan	1023.5	477498.4	7064111	WGS84_8N
126813	Soil	28-Jul-12	JamesSullivan	1028.9	477637.7	7064049	WGS84_8N
126814	Soil	28-Jul-12	JamesSullivan	1031	477777	7063997	WGS84_8N
126815	Soil	28-Jul-12	JamesSullivan	1034.4	477892.7	7063924	WGS84_8N
126816	Soil	28-Jul-12	JamesSullivan	1031.9	478002.7	7063833	WGS84_8N
126817	Soil	28-Jul-12	JamesSullivan	1036.4	478140.6	7063802	WGS84_8N
126818	Soil	28-Jul-12	JamesSullivan	1033	478239	7063757	WGS84_8N
126819	Soil	28-Jul-12	JamesSullivan	1027	478395.7	7063703	WGS84_8N
126820	Soil	28-Jul-12	JamesSullivan	1020.8	478576.6	7063667	WGS84_8N
126821	Soil	28-Jul-12	JamesSullivan	1012.7	478716.6	7063464	WGS84_8N
126822	Soil	28-Jul-12	JamesSullivan	1015.2	478818.3	7063442	WGS84_8N
126823	Soil	28-Jul-12	JamesSullivan	1015.3	478930.9	7063411	WGS84_8N
126824	Soil	28-Jul-12	JamesSullivan	1012.4	479021.6	7063291	WGS84_8N
126825	Soil	29-Jul-12	JamesSullivan	983.9	482990.2	7069482	WGS84_8N
126826	Soil	29-Jul-12	JamesSullivan	977.4	482889.2	7069443	WGS84_8N
126827	Soil	29-Jul-12	JamesSullivan	974.9	482793.2	7069409	WGS84_8N
126828	Soil	29-Jul-12	JamesSullivan	971.6	482674	7069360	WGS84_8N
126829	Soil	29-Jul-12	JamesSullivan	976.9	482584.5	7069305	WGS84_8N
126830	Soil	29-Jul-12	JamesSullivan	983.8	482493.1	7069247	WGS84_8N
126831	Soil	29-Jul-12	JamesSullivan	985.2	482359.7	7069194	WGS84_8N
126832	Soil	29-Jul-12	JamesSullivan	975	481996.1	7068981	WGS84_8N
126833	Soil	29-Jul-12	JamesSullivan	969.8	481831.7	7068927	WGS84_8N
126834	Soil	29-Jul-12	JamesSullivan	972	481646.6	7068811	WGS84_8N
126835	Soil	29-Jul-12	JamesSullivan	959	481505.7	7068762	WGS84_8N
126836	Soil	29-Jul-12	JamesSullivan	952.3	481411.3	7068699	WGS84_8N
126837	Soil	29-Jul-12	JamesSullivan	936.5	481302.6	7068651	WGS84_8N
126838	Soil	29-Jul-12	JamesSullivan	924.8	481200.1	7068607	WGS84_8N
126839	Soil	29-Jul-12	JamesSullivan	916.5	481077.2	7068514	WGS84_8N

Sample ID	Sample Type	Sample Date	Sampler	Elevation	Easting	Northing	Datum
126840	QAQC	29-Jul-12	JamesSullivan	916.5	481077.2	7068514	WGS84_8N
126841	Soil	29-Jul-12	JamesSullivan	894.5	480802.2	7068417	WGS84_8N
126842	Soil	29-Jul-12	JamesSullivan	872.1	480621.4	7068284	WGS84_8N
126843	Soil	29-Jul-12	JamesSullivan	866.6	480502.5	7068237	WGS84_8N
126844	Soil	29-Jul-12	JamesSullivan	855.1	480327.4	7068154	WGS84_8N
126845	Soil	29-Jul-12	JamesSullivan	851.1	480200	7068123	WGS84_8N
126846	Soil	29-Jul-12	JamesSullivan	846.1	480094.5	7068059	WGS84_8N
126847	Soil	29-Jul-12	JamesSullivan	845.3	479986.9	7067985	WGS84_8N
126848	Soil	29-Jul-12	JamesSullivan	840.5	479904.3	7067916	WGS84_8N
126849	Soil	29-Jul-12	JamesSullivan	833.1	479739	7067861	WGS84_8N
126850	Soil	29-Jul-12	JamesSullivan	820.4	479602.2	7067774	WGS84_8N
126851	Soil	29-Jul-12	JamesSullivan	818.3	479446.4	7067729	WGS84_8N
126978	Soil	05-Aug-12	JamesSullivan	1011.4	479400.4	7063576	WGS84_8N
126979	Soil	05-Aug-12	JamesSullivan	1004.4	479396.2	7063704	WGS84_8N
126980	Soil	05-Aug-12	JamesSullivan	1015.7	479370.4	7063815	WGS84_8N
126981	Soil	05-Aug-12	JamesSullivan	1008.6	479448.1	7063928	WGS84_8N
126982	Soil	05-Aug-12	JamesSullivan	999.6	479476.6	7064048	WGS84_8N
126983	Soil	05-Aug-12	JamesSullivan	990.7	479482.7	7064169	WGS84_8N
126984	Soil	05-Aug-12	JamesSullivan	986.2	479482.3	7064315	WGS84_8N
126985	Soil	05-Aug-12	JamesSullivan	980.6	479489.8	7064413	WGS84_8N
126986	Soil	05-Aug-12	JamesSullivan	981.4	479487.3	7064520	WGS84_8N
126987	Soil	05-Aug-12	JamesSullivan	974.6	479527.6	7064641	WGS84_8N
126988	Soil	05-Aug-12	JamesSullivan	969.9	479542.2	7064743	WGS84_8N
126989	Soil	05-Aug-12	JamesSullivan	966.3	479560.2	7064835	WGS84_8N
126990	QAQC	05-Aug-12	JamesSullivan	966.3	479560.2	7064835	WGS84_8N
126991	Soil	05-Aug-12	JamesSullivan	958	479574.2	7064932	WGS84_8N
126992	Soil	05-Aug-12	JamesSullivan	951.8	479590.4	7065059	WGS84_8N
126993	Soil	05-Aug-12	JamesSullivan	948.3	479615.6	7065160	WGS84_8N
128382	Soil	29-Jul-12	HugoGirard	1212.3	484770.8	7069499	WGS84_8N
128383	Soil	29-Jul-12	HugoGirard	1210.9	484651.7	7069447	WGS84_8N
128384	Soil	29-Jul-12	HugoGirard	1217.1	484534.1	7069404	WGS84_8N
128385	Soil	29-Jul-12	HugoGirard	1217.1	484428.8	7069324	WGS84_8N
128386	Soil	29-Jul-12	HugoGirard	1213.4	484277.3	7069258	WGS84_8N
128387	Soil	29-Jul-12	HugoGirard	1206	484163.3	7069203	WGS84_8N
128388	Soil	29-Jul-12	HugoGirard	1201	484046	7069156	WGS84_8N
128389	Soil	29-Jul-12	HugoGirard	1193	483921.6	7069105	WGS84_8N
128390	QAQC	29-Jul-12	HugoGirard	1193	483921.6	7069105	WGS84_8N
128391	Soil	29-Jul-12	HugoGirard	1180.3	483811.3	7069061	WGS84_8N
128392	Soil	29-Jul-12	HugoGirard	1164.4	483687.9	7068997	WGS84_8N
128393	Soil	29-Jul-12	HugoGirard	1152.9	483568.4	7068936	WGS84_8N
128395	Soil	29-Jul-12	HugoGirard	1125.9	483325.2	7068842	WGS84_8N
128396	Soil	29-Jul-12	HugoGirard	1117.4	483217.7	7068799	WGS84_8N
128397	Soil	29-Jul-12	HugoGirard	1101.3	483104.2	7068735	WGS84_8N
128398	Soil	29-Jul-12	HugoGirard	1092.6	483003.3	7068686	WGS84_8N
128399	Soil	29-Jul-12	HugoGirard	1072.8	482899.8	7068657	WGS84_8N

Sample ID	Sample Type	Sample Date	Sampler	Elevation	Easting	Northing	Datum
128400	Soil	29-Jul-12	HugoGirard	1070.2	482782.6	7068597	WGS84_8N
128401	Soil	29-Jul-12	HugoGirard	1055.5	482668.7	7068551	WGS84_8N
128402	Soil	29-Jul-12	HugoGirard	1043.2	482541	7068481	WGS84_8N
128403	Soil	29-Jul-12	HugoGirard	1027	482269.8	7068383	WGS84_8N
128404	Soil	29-Jul-12	HugoGirard	1019.5	482170.2	7068307	WGS84_8N
128405	Soil	29-Jul-12	HugoGirard	1015.5	482043.7	7068265	WGS84_8N
128406	Soil	29-Jul-12	HugoGirard	1010	481953.2	7068188	WGS84_8N
128407	Soil	29-Jul-12	HugoGirard	998	481838.9	7068165	WGS84_8N
128408	Soil	29-Jul-12	HugoGirard	991.5	481721.5	7068110	WGS84_8N
128409	Soil	29-Jul-12	HugoGirard	985.8	481563.5	7068064	WGS84_8N
128410	Soil	29-Jul-12	HugoGirard	988	481485.2	7068032	WGS84_8N
128411	Soil	29-Jul-12	HugoGirard	980.5	481384.4	7067952	WGS84_8N
128412	Soil	29-Jul-12	HugoGirard	965.3	481206.1	7067884	WGS84_8N
128485	Soil	02-Aug-12	HugoGirard	1018.7	476732.8	7066960	WGS84_8N
128486	Soil	02-Aug-12	HugoGirard	1014.2	476808.1	7067034	WGS84_8N
128487	Soil	02-Aug-12	HugoGirard	997.6	476926	7067097	WGS84_8N
128488	Soil	02-Aug-12	HugoGirard	990.9	477014.7	7067139	WGS84_8N
128489	Soil	02-Aug-12	HugoGirard	990.2	477095.1	7067216	WGS84_8N
128490	QAQC	02-Aug-12	HugoGirard	990.2	477095.1	7067216	WGS84_8N
128491	Soil	02-Aug-12	HugoGirard		477191.4	7067293	WGS84_8N
128492	Soil	02-Aug-12	HugoGirard		477289.5	7067368	WGS84_8N
128493	Soil	02-Aug-12	HugoGirard	970.8	477393.9	7067416	WGS84_8N
128494	Soil	02-Aug-12	HugoGirard	966.5	477493.4	7067392	WGS84_8N
128495	Soil	02-Aug-12	HugoGirard	960.2	477596.3	7067465	WGS84_8N
128496	Soil	02-Aug-12	HugoGirard	912.9	477753.6	7067635	WGS84_8N
128497	Soil	02-Aug-12	HugoGirard	902.5	477851.4	7067681	WGS84_8N
128498	Soil	02-Aug-12	HugoGirard	877.1	477904.6	7067821	WGS84_8N
128499	Soil	02-Aug-12	HugoGirard	843.3	478047.4	7068046	WGS84_8N
128500	Soil	02-Aug-12	HugoGirard	826.6	478167.2	7068143	WGS84_8N
128501	Soil	02-Aug-12	HugoGirard	815.1	478342.3	7068309	WGS84_8N
128502	Soil	02-Aug-12	HugoGirard	806.4	478391	7068357	WGS84_8N
128503	Soil	02-Aug-12	HugoGirard	772.4	478505.1	7068460	WGS84_8N
128504	Soil	02-Aug-12	HugoGirard	745.3	478642.5	7068678	WGS84_8N
128505	Soil	02-Aug-12	HugoGirard	737.6	478770.5	7068764	WGS84_8N
128558	Soil	05-Aug-12	HugoGirard	1008.8	479426.4	7063157	WGS84_8N
128559	Soil	05-Aug-12	HugoGirard	1005.2	479561.3	7063259	WGS84_8N
128560	Soil	05-Aug-12	HugoGirard	1000.6	479651.7	7063351	WGS84_8N
128561	Soil	05-Aug-12	HugoGirard	994.8	479749.3	7063455	WGS84_8N
128562	Soil	05-Aug-12	HugoGirard	979.7	479852.4	7063511	WGS84_8N
128563	Soil	05-Aug-12	HugoGirard	964	479954.8	7063577	WGS84_8N
128564	Soil	05-Aug-12	HugoGirard	957.5	480006.4	7063717	WGS84_8N
128565	Soil	05-Aug-12	HugoGirard	955.1	480074.4	7063794	WGS84_8N
128566	Soil	05-Aug-12	HugoGirard	944.2	480132.2	7063871	WGS84_8N
128567	Soil	05-Aug-12	HugoGirard	937.5	480195.9	7063934	WGS84_8N
128568	Soil	05-Aug-12	HugoGirard	934.4	480272.1	7064002	WGS84_8N

Sample ID	Sample Type	Sample Date	Sampler	Elevation	Easting	Northing	Datum
128569	Soil	05-Aug-12	HugoGirard	930.2	480342.9	7064094	WGS84_8N
128570	Soil	05-Aug-12	HugoGirard	931.4	480398.1	7064194	WGS84_8N
128571	Soil	05-Aug-12	HugoGirard	926.8	480447.8	7064264	WGS84_8N
128572	Soil	05-Aug-12	HugoGirard	930.6	480452.1	7064573	WGS84_8N
128573	Soil	05-Aug-12	HugoGirard	934.5	480543.6	7064671	WGS84_8N
128574	Soil	05-Aug-12	HugoGirard	926.7	480535.6	7064813	WGS84_8N
132772	Soil	28-Jul-12	JoelDemers	983.6	476438.4	7065769	WGS84_8N
132773	Soil	28-Jul-12	JoelDemers	988.9	476435.1	7065666	WGS84_8N
132774	Soil	28-Jul-12	JoelDemers	1000.6	476451	7065436	WGS84_8N
132775	Soil	28-Jul-12	JoelDemers	998	476452	7065327	WGS84_8N
132776	Soil	28-Jul-12	JoelDemers	1001.2	476496.6	7065224	WGS84_8N
132777	Soil	28-Jul-12	JoelDemers	995.7	476490.3	7065034	WGS84_8N
132778	Soil	28-Jul-12	JoelDemers	1001.5	476537.8	7064951	WGS84_8N
132779	Soil	28-Jul-12	JoelDemers	992.4	476539.7	7064840	WGS84_8N
132780	Soil	28-Jul-12	JoelDemers	980.5	476548.8	7064723	WGS84_8N
132781	Soil	28-Jul-12	JoelDemers	986	476556.9	7064617	WGS84_8N
132782	Soil	28-Jul-12	JoelDemers	993	476570.7	7064495	WGS84_8N
132783	Soil	28-Jul-12	JoelDemers	981.1	476589.4	7064358	WGS84_8N
132784	Soil	28-Jul-12	JoelDemers	985.6	476703	7064324	WGS84_8N
132785	Soil	29-Jul-12	JoelDemers	988.5	476789	7064242	WGS84_8N
132786	Soil	29-Jul-12	JoelDemers	996.5	476889.5	7064186	WGS84_8N
132787	Soil	29-Jul-12	JoelDemers	1004.9	476996.4	7064150	WGS84_8N
132788	Soil	29-Jul-12	JoelDemers	1009	477115.4	7064077	WGS84_8N
132789	Soil	29-Jul-12	JoelDemers	1014.1	477199	7064032	WGS84_8N
132790	QAQC	29-Jul-12	JoelDemers	1014.1	477199	7064032	WGS84_8N
132791	Soil	29-Jul-12	JoelDemers	1014.9	477315.7	7064009	WGS84_8N
132792	Soil	29-Jul-12	JoelDemers	1017.8	477443.6	7064012	WGS84_8N
132793	Soil	29-Jul-12	JoelDemers	1029.1	477562.8	7063871	WGS84_8N
132794	Soil	29-Jul-12	JoelDemers	1029.6	477663.5	7063800	WGS84_8N
132795	Soil	29-Jul-12	JoelDemers	1029.2	477775.5	7063776	WGS84_8N
132796	Soil	29-Jul-12	JoelDemers	1026	477849.5	7063678	WGS84_8N
132797	Soil	29-Jul-12	JoelDemers	1029	477964.2	7063666	WGS84_8N
132798	Soil	29-Jul-12	JoelDemers	1025.1	478070.5	7063635	WGS84_8N
132799	Soil	29-Jul-12	JoelDemers	1021.9	478166.4	7063591	WGS84_8N
132800	Soil	29-Jul-12	JoelDemers	1019.8	478281.3	7063510	WGS84_8N
132801	Soil	29-Jul-12	JoelDemers	1020.5	478388.8	7063473	WGS84_8N
132802	Soil	29-Jul-12	JoelDemers	1010.1	478487.8	7063356	WGS84_8N
132803	Soil	29-Jul-12	JoelDemers	1006.3	478606.8	7063348	WGS84_8N
132804	Soil	29-Jul-12	JoelDemers	1003.3	478693.1	7063323	WGS84_8N
132805	Soil	29-Jul-12	JoelDemers	1213.8	484679.8	7069703	WGS84_8N
132806	Soil	29-Jul-12	JoelDemers	1204.9	484582.1	7069659	WGS84_8N
132807	Soil	29-Jul-12	JoelDemers	1204	484453.3	7069606	WGS84_8N
132808	Soil	29-Jul-12	JoelDemers	1190.6	484350.7	7069586	WGS84_8N
132809	Soil	29-Jul-12	JoelDemers	1186.9	484252.5	7069511	WGS84_8N
132810	Soil	29-Jul-12	JoelDemers	1186.2	484162.4	7069460	WGS84_8N

Sample ID	Sample Type	Sample Date	Sampler	Elevation	Easting	Northing	Datum
132811	Soil	29-Jul-12	JoelDemers	1178.7	484068.1	7069406	WGS84_8N
132812	Soil	29-Jul-12	JoelDemers	1165.5	483973	7069360	WGS84_8N
132813	Soil	29-Jul-12	JoelDemers	1153.4	483854.9	7069312	WGS84_8N
132814	Soil	29-Jul-12	JoelDemers	1148.6	483749.5	7069267	WGS84_8N
132815	Soil	29-Jul-12	JoelDemers	1141.9	483638.6	7069243	WGS84_8N
132816	Soil	29-Jul-12	JoelDemers	1127.2	483543.9	7069193	WGS84_8N
132817	Soil	29-Jul-12	JoelDemers	1099.4	483367.2	7069093	WGS84_8N
132818	Soil	29-Jul-12	JoelDemers	1066.2	483085.3	7068948	WGS84_8N
132819	Soil	29-Jul-12	JoelDemers	1058.7	482971.2	7068892	WGS84_8N
132820	Soil	29-Jul-12	JoelDemers	1045.2	482796.3	7068829	WGS84_8N
132821	Soil	29-Jul-12	JoelDemers	1027.9	482595	7068755	WGS84_8N
132822	Soil	30-Jul-12	JoelDemers	1018.3	482501.4	7068720	WGS84_8N
132823	Soil	30-Jul-12	JoelDemers	1013.7	482404.3	7068650	WGS84_8N
132824	Soil	30-Jul-12	JoelDemers	1001.5	482297.8	7068609	WGS84_8N
132825	Soil	30-Jul-12	JoelDemers	993.3	482078.7	7068524	WGS84_8N
132826	Soil	30-Jul-12	JoelDemers	993.7	481981.8	7068445	WGS84_8N
132827	Soil	30-Jul-12	JoelDemers	993.3	481860	7068407	WGS84_8N
132828	Soil	30-Jul-12	JoelDemers	974.7	481633.4	7068370	WGS84_8N
132829	Soil	30-Jul-12	JoelDemers	978.7	481515.5	7068315	WGS84_8N
132830	Soil	30-Jul-12	JoelDemers	977.5	481358.5	7068173	WGS84_8N
132831	Soil	30-Jul-12	JoelDemers	959.9	481106.5	7068107	WGS84_8N
132832	Soil	30-Jul-12	JoelDemers	953.3	481022	7068034	WGS84_8N
132905	Soil	03-Aug-12	JoelDemers	799.5	475881.9	7068766	WGS84_8N
132906	Soil	03-Aug-12	JoelDemers	820.8	475946.8	7068854	WGS84_8N
132907	Soil	03-Aug-12	JoelDemers	808.9	476130.9	7068931	WGS84_8N
132908	Soil	03-Aug-12	JoelDemers	797.5	476322.3	7068999	WGS84_8N
132909	Soil	03-Aug-12	JoelDemers	791.7	476416.5	7069044	WGS84_8N
132910	Soil	03-Aug-12	JoelDemers	767.1	476580	7069168	WGS84_8N
132911	Soil	03-Aug-12	JoelDemers	748.1	476659.1	7069224	WGS84_8N
137047	Soil	25-Sep-07	JoshJudson		482863.6	7069679	WGS84_8N
137048	Soil	25-Sep-07	JoshJudson		482586.2	7069536	WGS84_8N
137049	Soil	25-Sep-07	JoshJudson		482486.2	7069494	WGS84_8N
137050	Soil	25-Sep-07	JoshJudson		482383.5	7069437	WGS84_8N
137051	Soil	25-Sep-07	JoshJudson		482301.5	7069378	WGS84_8N
137052	Soil	25-Sep-07	JoshJudson		482200.9	7069349	WGS84_8N
137053	Soil	25-Sep-07	JoshJudson		482111.4	7069296	WGS84_8N
137054	Soil	25-Sep-07	JoshJudson		482015.1	7069229	WGS84_8N
137055	Soil	25-Sep-07	JoshJudson		481921.1	7069187	WGS84_8N
137056	Soil	25-Sep-07	JoshJudson		481826.7	7069132	WGS84_8N
137057	Soil	25-Sep-07	JoshJudson		481640.6	7069058	WGS84_8N
137058	Soil	25-Sep-07	JoshJudson		481557.1	7068996	WGS84_8N
137059	Soil	25-Sep-07	JoshJudson		481469.2	7068933	WGS84_8N
137060	Soil	25-Sep-07	JoshJudson		481369.6	7068904	WGS84_8N
137061	Soil	25-Sep-07	JoshJudson		481271.9	7068843	WGS84_8N
137062	Soil	25-Sep-07	JoshJudson		481186.4	7068795	WGS84_8N

Sample ID	Sample Type	Sample Date	Sampler	Elevation	Easting	Northing	Datum
137063	Soil	25-Sep-07	JoshJudson		481087.2	7068759	WGS84_8N
137064	Soil	25-Sep-07	JoshJudson		480895	7068677	WGS84_8N
137065	Soil	25-Sep-07	JoshJudson		480730.2	7068543	WGS84_8N
137066	Soil	25-Sep-07	JoshJudson		480629.2	7068503	WGS84_8N
137067	Soil	25-Sep-07	JoshJudson		480524.7	7068450	WGS84_8N
137068	Soil	25-Sep-07	JoshJudson		480374.8	7068394	WGS84_8N
137069	Soil	25-Sep-07	JoshJudson		480281.6	7068343	WGS84_8N
137070	Soil	25-Sep-07	JoshJudson		480190.1	7068304	WGS84_8N
137071	Soil	25-Sep-07	JoshJudson		480083	7068266	WGS84_8N
137072	Soil	25-Sep-07	JoshJudson		480011.9	7068194	WGS84_8N
137073	Soil	25-Sep-07	JoshJudson		479913.7	7068145	WGS84_8N
137074	Soil	25-Sep-07	JoshJudson		479814.7	7068100	WGS84_8N
137075	Soil	25-Sep-07	JoshJudson		479715.1	7068057	WGS84_8N
137076	Soil	25-Sep-07	JoshJudson		479631.6	7068007	WGS84_8N
137077	Soil	25-Sep-07	JoshJudson		479529	7067980	WGS84_8N
137078	Soil	25-Sep-07	JoshJudson		479331.9	7067904	WGS84_8N
137157	Soil	29-Sep-07	JoshJudson		475863.3	7066457	WGS84_8N
137158	Soil	29-Sep-07	JoshJudson		475836.9	7066563	WGS84_8N
137159	Soil	29-Sep-07	JoshJudson		475804.1	7066665	WGS84_8N
137160	Soil	29-Sep-07	JoshJudson		475816.7	7066777	WGS84_8N
137161	Soil	29-Sep-07	JoshJudson		475804.5	7066892	WGS84_8N
137162	Soil	29-Sep-07	JoshJudson		475796.4	7067001	WGS84_8N
137163	Soil	29-Sep-07	JoshJudson		475760.8	7067100	WGS84_8N
137164	Soil	29-Sep-07	JoshJudson		475736.2	7067209	WGS84_8N
137165	Soil	29-Sep-07	JoshJudson		475732.3	7067319	WGS84_8N
137166	Soil	29-Sep-07	JoshJudson		475703	7067425	WGS84_8N
137167	Soil	29-Sep-07	JoshJudson		475718.1	7067546	WGS84_8N
137168	Soil	29-Sep-07	JoshJudson		475686.4	7067644	WGS84_8N
137169	Soil	29-Sep-07	JoshJudson		475669.6	7067751	WGS84_8N
137170	Soil	29-Sep-07	JoshJudson		475675.5	7067862	WGS84_8N
137171	Soil	29-Sep-07	JoshJudson		475648.1	7067968	WGS84_8N
137172	Soil	29-Sep-07	JoshJudson		475653.2	7068076	WGS84_8N
137173	Soil	29-Sep-07	JoshJudson		475724.5	7068401	WGS84_8N
137174	Soil	29-Sep-07	JoshJudson		475719.9	7068513	WGS84_8N
137175	Soil	29-Sep-07	JoshJudson		475726.9	7068610	WGS84_8N
137176	Soil	29-Sep-07	JoshJudson		475796.2	7068698	WGS84_8N
137241	Soil	02-Oct-07	JoshJudson		482456.8	7067584	WGS84_8N
137242	Soil	02-Oct-07	JoshJudson		482361.5	7067554	WGS84_8N
137243	Soil	02-Oct-07	JoshJudson		482260.2	7067576	WGS84_8N
137244	Soil	02-Oct-07	JoshJudson		482150.7	7067611	WGS84_8N
137245	Soil	02-Oct-07	JoshJudson		482045.3	7067602	WGS84_8N
137246	Soil	02-Oct-07	JoshJudson		481870.3	7067659	WGS84_8N
137247	Soil	02-Oct-07	JoshJudson		481773.3	7067689	WGS84_8N
137248	Soil	02-Oct-07	JoshJudson		481666.9	7067634	WGS84_8N
137249	Soil	02-Oct-07	JoshJudson		481555.7	7067601	WGS84_8N

Sample ID	Sample Type	Sample Date	Sampler	Elevation	Easting	Northing	Datum
137250	Soil	02-Oct-07	JoshJudson		481446.2	7067577	WGS84_8N
137251	Soil	02-Oct-07	JoshJudson		481345.9	7067522	WGS84_8N
137252	Soil	02-Oct-07	JoshJudson		481245.6	7067509	WGS84_8N
137253	Soil	02-Oct-07	JoshJudson		481143.7	7067463	WGS84_8N
137254	Soil	02-Oct-07	JoshJudson		481035.4	7067447	WGS84_8N
137255	Soil	02-Oct-07	JoshJudson		480931.9	7067428	WGS84_8N
137256	Soil	02-Oct-07	JoshJudson		480817.6	7067408	WGS84_8N
137257	Soil	02-Oct-07	JoshJudson		480712	7067393	WGS84_8N
1132971	Soil	05-Aug-12	JoelDemers	1067.8	482774.9	7067005	WGS84_8N
1132972	Soil	05-Aug-12	JoelDemers	1065.6	482667.7	7066973	WGS84_8N
1132973	Soil	05-Aug-12	JoelDemers	1056.8	482577.7	7066969	WGS84_8N
1132974	Soil	05-Aug-12	JoelDemers	1055.7	482473.6	7066917	WGS84_8N
1132975	Soil	05-Aug-12	JoelDemers	1042	482365.3	7066892	WGS84_8N
1132976	Soil	05-Aug-12	JoelDemers	1036.4	482262	7066850	WGS84_8N
1132977	Soil	05-Aug-12	JoelDemers	1031.9	482142.4	7066840	WGS84_8N
1132978	Soil	05-Aug-12	JoelDemers	1026.4	482056.4	7066816	WGS84_8N
1132979	Soil	05-Aug-12	JoelDemers	1016.1	481949.7	7066800	WGS84_8N
1132980	Soil	05-Aug-12	JoelDemers	1014.3	481851.7	7066759	WGS84_8N
1132981	Soil	05-Aug-12	JoelDemers	1009.1	481739.6	7066730	WGS84_8N
1132982	Soil	05-Aug-12	JoelDemers	1001.3	481638.6	7066746	WGS84_8N
1132983	Soil	05-Aug-12	JoelDemers	996.4	481553.6	7066714	WGS84_8N
1132984	Soil	05-Aug-12	JoelDemers	986.4	481442.2	7066703	WGS84_8N
1132985	Soil	05-Aug-12	JoelDemers	981.5	481326.6	7066681	WGS84_8N

Silt Sample

Sample ID	Sample type	Date)	Sampler	Easting	Northing	Point type	Datum
1575007	Silt Sample	July/19/2012	Kane Morgan	478873	7067526	Stream Silt	WGS84_8N
1575008	Silt Sample	July/19/2012	Kane Morgan	478725	7067502	Stream Silt	WGS84_8N
1575009	Silt Sample	July/19/2012	Kane Morgan	478633	7067385	Stream Silt	WGS84_8N
1575010	Silt Sample	July/19/2012	Kane Morgan	478561	7067254	Stream Silt	WGS84_8N
1575011	Silt Sample	July/19/2012	Kane Morgan	478463	7067143	Stream Silt	WGS84_8N
1575012	Silt Sample	July/19/2012	Kane Morgan	478936	7066247	Stream Silt	WGS84_8N
1575013	Silt Sample	July/19/2012	Kane Morgan	478796	7066241	Stream Silt	WGS84_8N
1575014	Silt Sample	July/19/2012	Kane Morgan	478583	7066248	Stream Silt	WGS84_8N
1575015	Silt Sample	July/20/2012	Kane Morgan	479657	7066509	Stream Silt	WGS84_8N
1575016	Silt Sample	July/20/2012	Kane Morgan	479828	7066594	Stream Silt	WGS84_8N
1575017	Silt Sample	July/20/2012	Kane Morgan	479949	7066684	Stream Silt	WGS84_8N
1575018	Silt Sample	July/20/2012	Kane Morgan	480181	7066952	Stream Silt	WGS84_8N
1575019	Silt Sample	July/20/2012	Kane Morgan	480551	7067220	Stream Silt	WGS84_8N
1575020	Silt Sample	July/20/2012	Kane Morgan	480881	7067266	Stream Silt	WGS84_8N
1575021	Silt Sample	July/20/2012	Kane Morgan	481023	7067322	Stream Silt	WGS84_8N
1575022	Silt Sample	July/20/2012	Kane Morgan	481194	7067357	Stream Silt	WGS84_8N
1575151	Silt Sample	July/19/2012	Reid Gaven	479026	7067916	Stream Silt	WGS84_8N
1575152	Silt Sample	July/19/2012	Reid Gaven	478917	7067785	Stream Silt	WGS84_8N

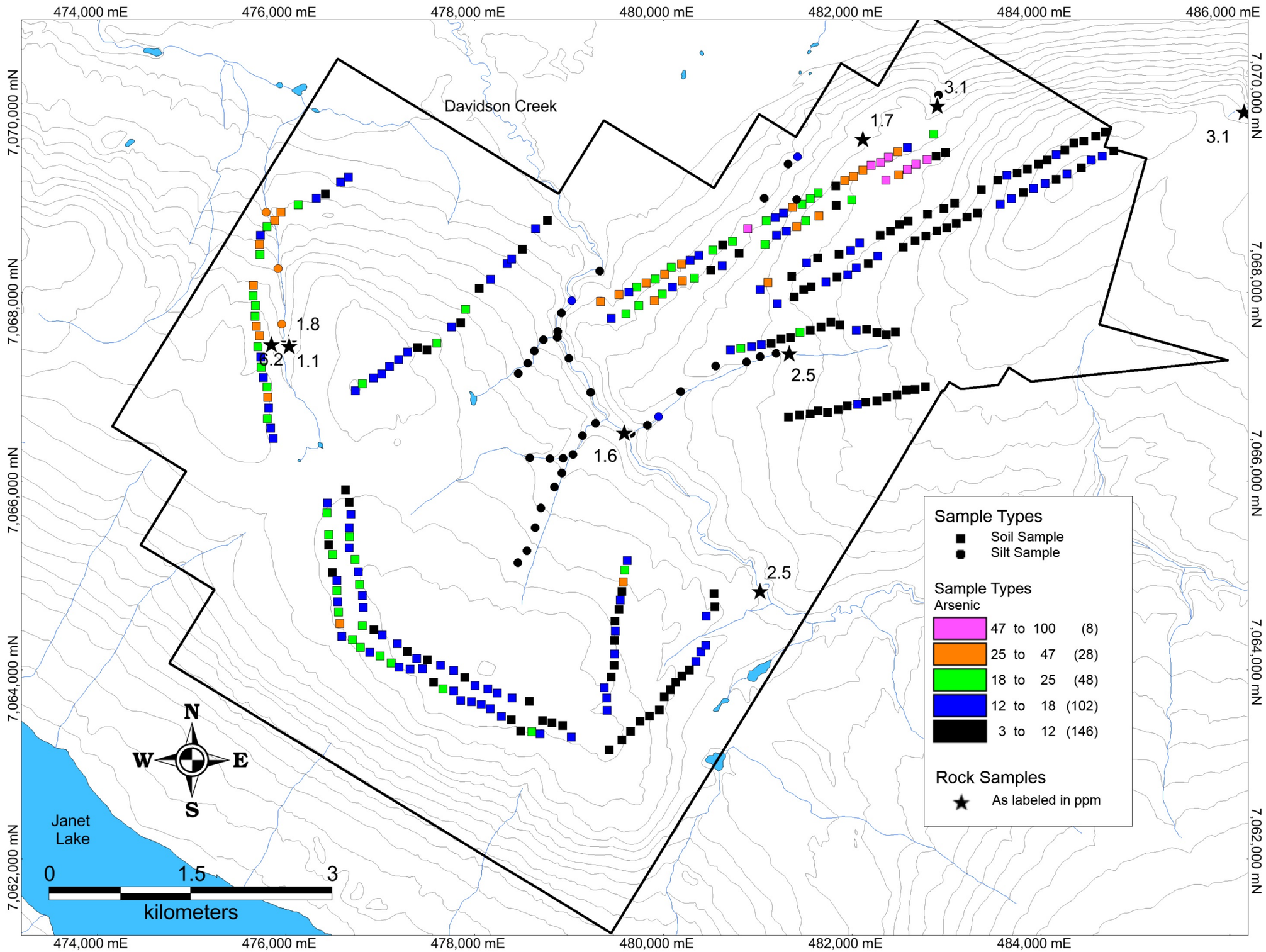
Sample ID	Sample type	Date)	Sampler	Easting	Northing	Point type	Datum
1575153	Silt Sample	July/19/2012	Reid Gaven	478879	7067587	Stream Silt	WGS84_8N
1575154	Silt Sample	July/19/2012	Reid Gaven	478999	7067305	Stream Silt	WGS84_8N
1575155	Silt Sample	July/19/2012	Reid Gaven	479229	7066943	Stream Silt	WGS84_8N
1575156	Silt Sample	July/19/2012	Reid Gaven	479280	7066616	Stream Silt	WGS84_8N
1575157	Silt Sample	July/19/2012	Reid Gaven	479141	7066483	Stream Silt	WGS84_8N
1575158	Silt Sample	July/19/2012	Reid Gaven	479042	7066284	Stream Silt	WGS84_8N
1575159	Silt Sample	July/19/2012	Reid Gaven	478924	7066087	Stream Silt	WGS84_8N
1575160	Silt Sample	July/19/2012	Reid Gaven	478844	7065941	Stream Silt	WGS84_8N
1575161	Silt Sample	July/19/2012	Reid Gaven	478702	7065719	Stream Silt	WGS84_8N
1575162	Silt Sample	July/19/2012	Reid Gaven	478638	7065510	Stream Silt	WGS84_8N
1575163	Silt Sample	July/19/2012	Reid Gaven	478553	7065266	Stream Silt	WGS84_8N
1575164	Silt Sample	July/19/2012	Reid Gaven	478455	7065139	Stream Silt	WGS84_8N
1575165	Silt Sample	July/20/2012	Reid Gaven	479326	7068229	Stream Silt	WGS84_8N
1575166	Silt Sample	July/20/2012	Reid Gaven	481322	7069361	Stream Silt	WGS84_8N
1575228	Silt Sample	July/31/2012	Tyrell Sutherland	481412	7068986	Stream Silt	WGS84_8N
1575371	Silt Sample	July/29/2012	Kane Morgan	475791	7068852	Stream Silt	WGS84_8N
1575372	Silt Sample	July/29/2012	Kane Morgan	475917	7068254	Stream Silt	WGS84_8N
1575373	Silt Sample	July/29/2012	Kane Morgan	475954	7067667	Stream Silt	WGS84_8N
1575380	Silt Sample	July/31/2012	Kane Morgan	481068	7069002	Stream Silt	WGS84_8N
1575381	Silt Sample	July/31/2012	Kane Morgan	481422	7069439	Stream Silt	WGS84_8N
1575382	Silt Sample	July/31/2012	Kane Morgan	482916	7070092	Stream Silt	WGS84_8N

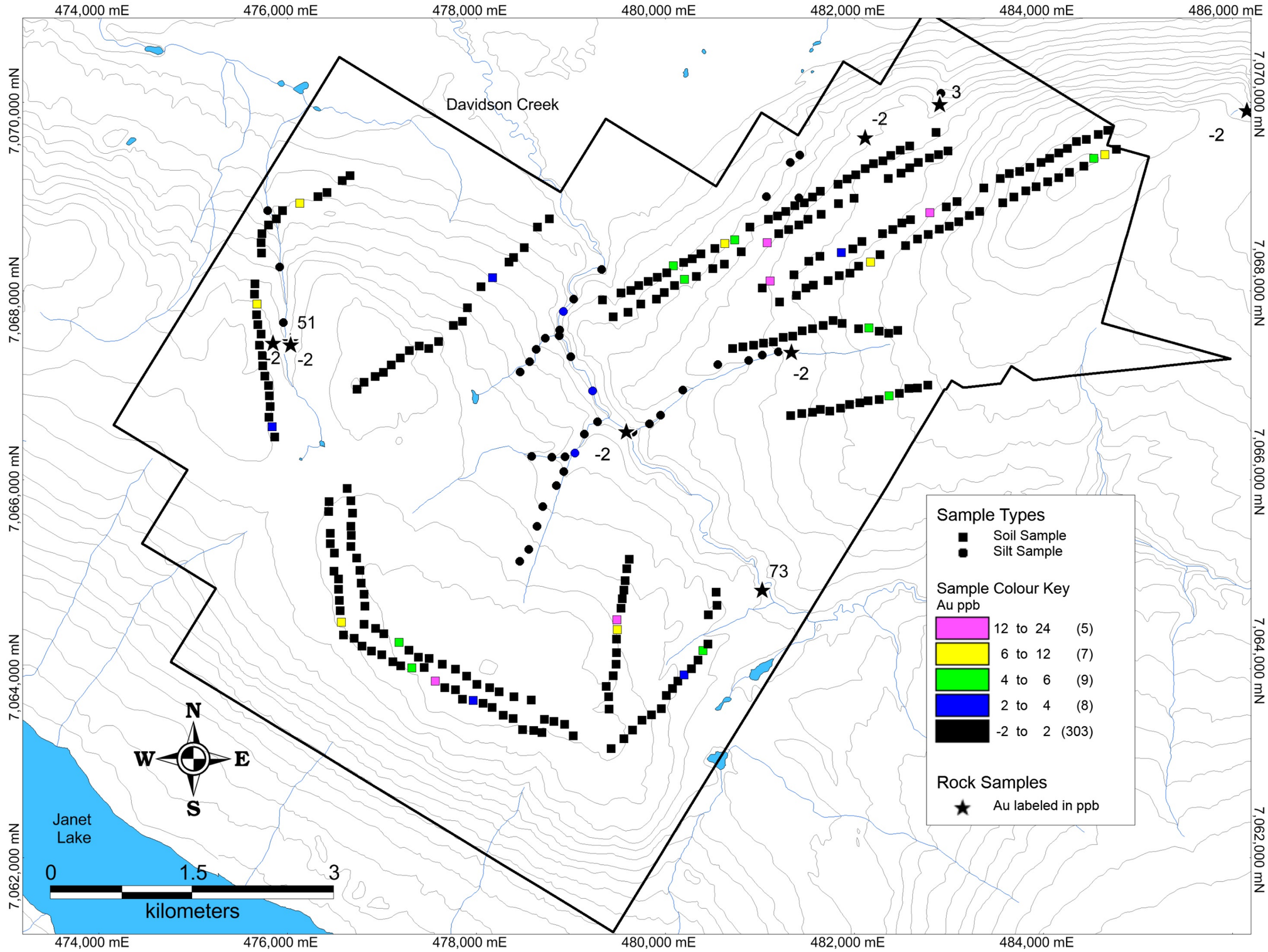
Rock Samples

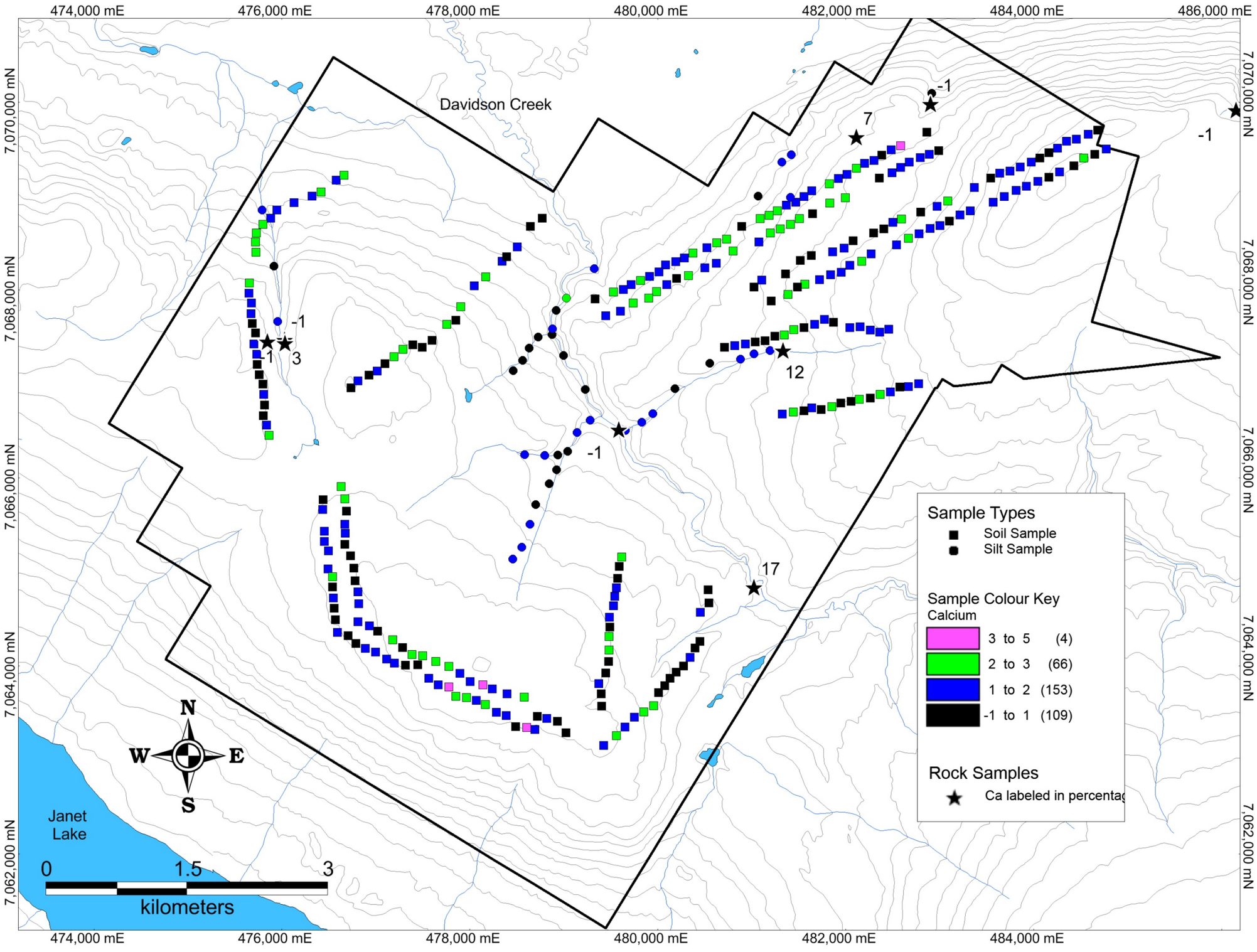
Sample ID	Sample type	Date)	Sampler	Easting	Northing	Point type	Datum
1575201	Rock Sample	July/20/2012	Tyrell Sutherland	479586	7066528	Outcrop	WGS84_8N
1575202	Rock Sample	July/20/2012	Tyrell Sutherland	481335	7067368	Outcrop	WGS84_8N
1575229	Rock Sample	July/31/2012	Tyrell Sutherland	482112	7069639	Outcrop	WGS84_8N
1575239	Rock Sample	Aug/05/2012	Tyrell Sutherland	481026	7064850	Outcrop	WGS84_8N
1575374	Rock Sample	July/29/2012	Kane Morgan	476030	7067484	Outcrop	WGS84_8N
1575375	Rock Sample	July/29/2012	Kane Morgan	476035	7067449	Outcrop	WGS84_8N
1575376	Rock Sample	July/29/2012	Kane Morgan	475845	7067467	Outcrop	WGS84_8N
1575383	Rock Sample	July/31/2012	Kane Morgan	482903	7069994	Outcrop	WGS84_8N

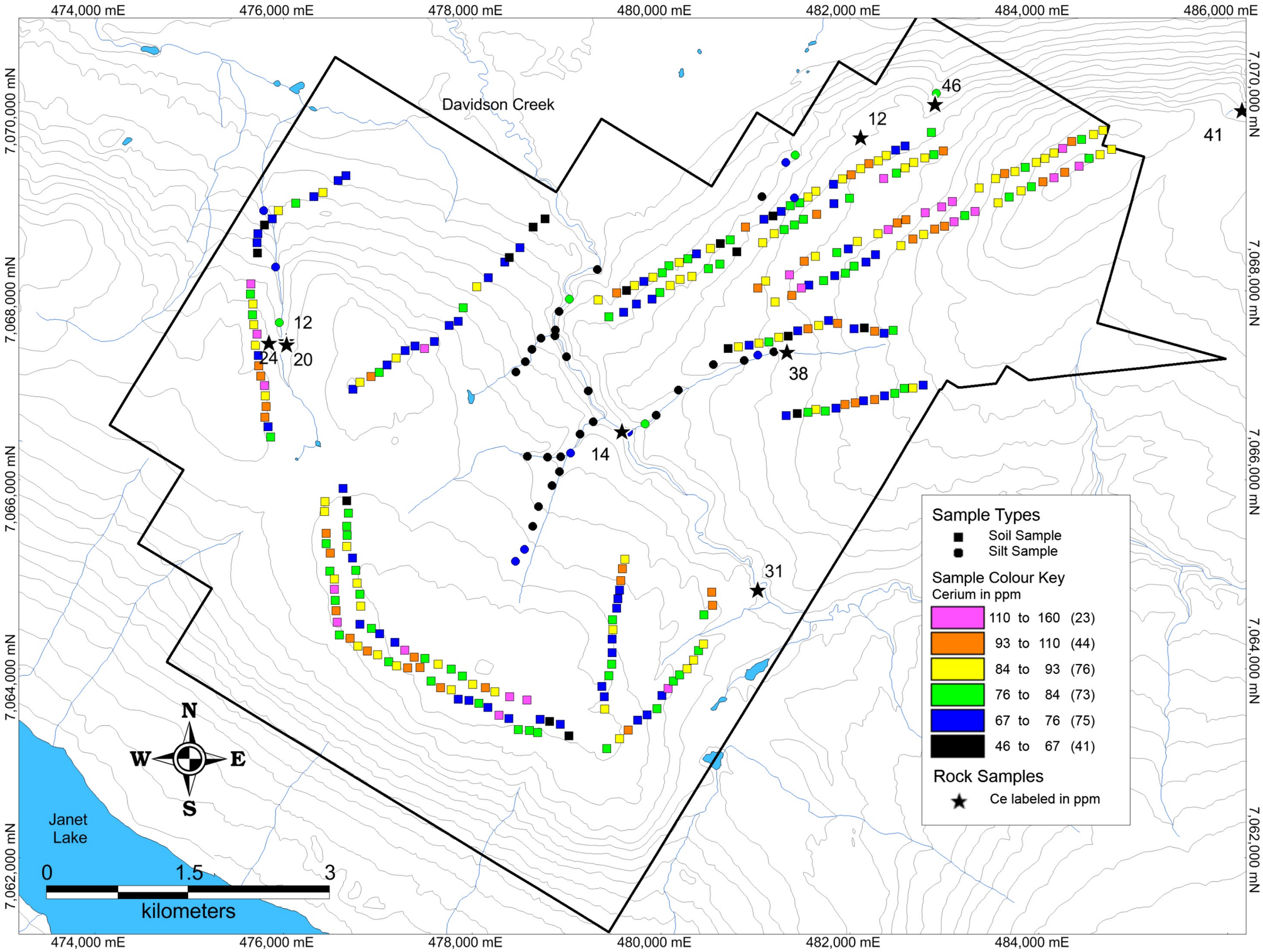
Appendix D

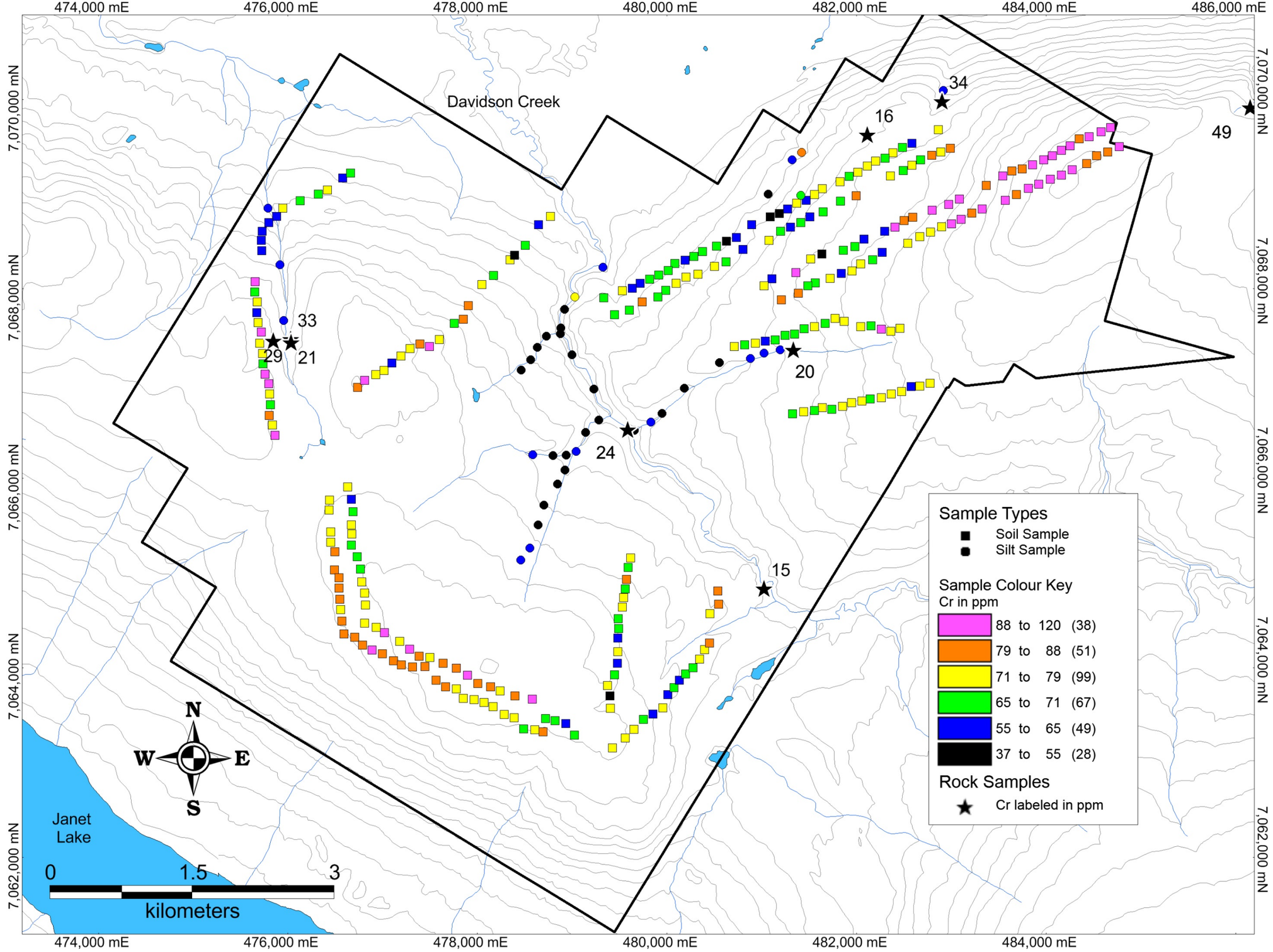
Geochemical Plots

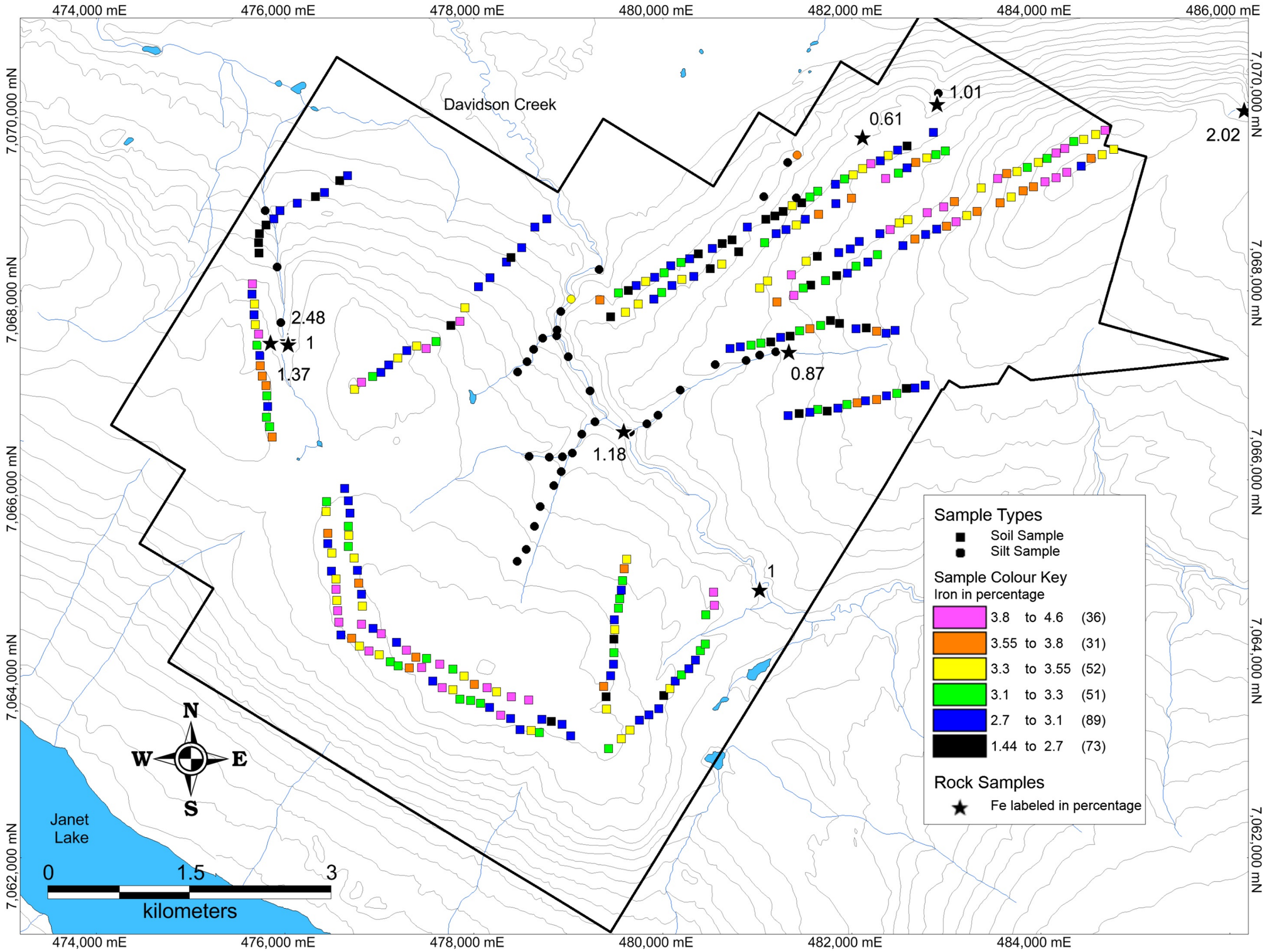

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478,000 mE
480,000 mE
482,000 mE
484,000 mE
486,000 mE
7,070,000 mN
7,068,000 mN
7,066,000 mN
7,064,000 mN
7,062,000 mN
Davidson Creek
3.1
1.7
3.1
1.8
5.2
1.1
2.5
1.6
2.5
N
W
E
S
Janet
Lake
0
1.5
3
kilometers
Sample Types
Soil Sample
Silt Sample
Sample Types
Arsenic
47 to 100 (8)
25 to 47 (28)
18 to 25 (48)
12 to 18 (102)
3 to 12 (146)
Rock Samples
As labeled in ppm


474,000 mE
476,000 mE
478,000 mE
480,000 mE
482,000 mE
484,000 mE
486,000 mE
7,070,000 mN
7,068,000 mN
7,066,000 mN
7,064,000 mN
7,062,000 mN
Davidson Creek
51
2
-2
-2
-2
-2
3
-2
73
Janet Lake
N
W
E
S
0
1.5
3
kilometers
Sample Types
Soil Sample
Silt Sample
Sample Colour Key
Au ppb
12 to 24 (5)
6 to 12 (7)
4 to 6 (9)
2 to 4 (8)
-2 to 2 (303)
Rock Samples
Au labeled in ppb


474,000 mE
476,000 mE
478,000 mE
480,000 mE
482,000 mE
484,000 mE
486,000 mE
7,070,000 mN
7,068,000 mN
7,066,000 mN
7,064,000 mN
7,062,000 mN
Davidson Creek
-1
7
-1
-1
-1
3
12
-1
17
N
W
E
S
Janet
Lake
0
1.5
3
kilometers
Sample Types
Soil Sample
Silt Sample
Sample Colour Key
Calcium
3 to 5 (4)
2 to 3 (66)
1 to 2 (153)
-1 to 1 (109)
Rock Samples
Ca labeled in percentag


474,000 mE
476,000 mE
478,000 mE
480,000 mE
482,000 mE
484,000 mE
486,000 mE
7,070,000 mN
7,068,000 mN
7,066,000 mN
7,064,000 mN
7,062,000 mN
Davidson Creek
46
12
41
12
24
20
38
14
31
Sample Types
Soil Sample
Silt Sample
Sample Colour Key
Cerium in ppm
110 to 160 (23)
93 to 110 (44)
84 to 93 (76)
76 to 84 (73)
67 to 76 (75)
46 to 67 (41)
Rock Samples
Ce labeled in ppm
N
W
E
S
Janet Lake
0
1.5
3
kilometers


474,000 mE
476,000 mE
478,000 mE
480,000 mE
482,000 mE
484,000 mE
486,000 mE
7,070,000 mN
7,068,000 mN
7,066,000 mN
7,064,000 mN
7,062,000 mN
Davidson Creek
34
16
49
33
29
21
20
24
15
Sample Types
Soil Sample
Silt Sample
Sample Colour Key
Cr in ppm
88 to 120 (38)
79 to 88 (51)
71 to 79 (99)
65 to 71 (67)
55 to 65 (49)
37 to 55 (28)
Rock Samples
Cr labeled in ppm
N
W
E
S
Janet Lake
0
1.5
3
kilometers


474,000 mE
476,000 mE
478,000 mE
480,000 mE
482,000 mE
484,000 mE
486,000 mE
7,070,000 mN
7,068,000 mN
7,066,000 mN
7,064,000 mN
7,062,000 mN
Davidson Creek
1.01
0.61
2.02
2.48
1
1.37
0.87
1.18
1
Janet Lake
N
W
E
S
0
1.5
3
kilometers
Sample Types
Soil Sample
Silt Sample
Sample Colour Key
Iron in percentage
3.8 to 4.6 (36)
3.55 to 3.8 (31)
3.3 to 3.55 (52)
3.1 to 3.3 (51)
2.7 to 3.1 (89)
1.44 to 2.7 (73)
Rock Samples
Fe labeled in percentage

474,000 mE 476,000 mE 478,000 mE 480,000 mE 482,000 mE 484,000 mE 486,000 mE

7,070,000 mN 7,068,000 mN 7,066,000 mN 7,064,000 mN 7,062,000 mN

Davidson Creek

8 -1 6 2 1 1 -1 5 1

Janet Lake

N W E S

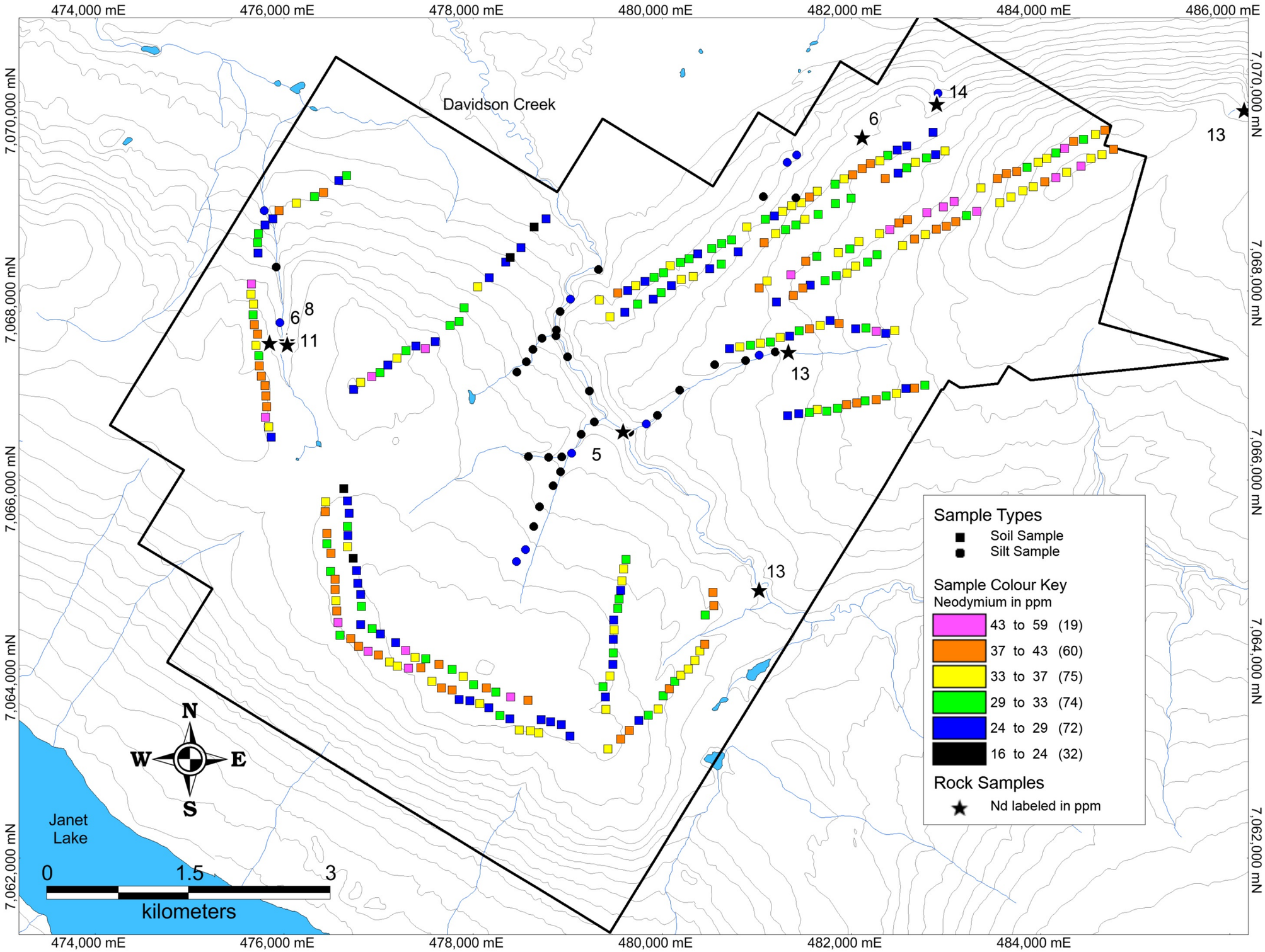
0 1.5 3 kilometers

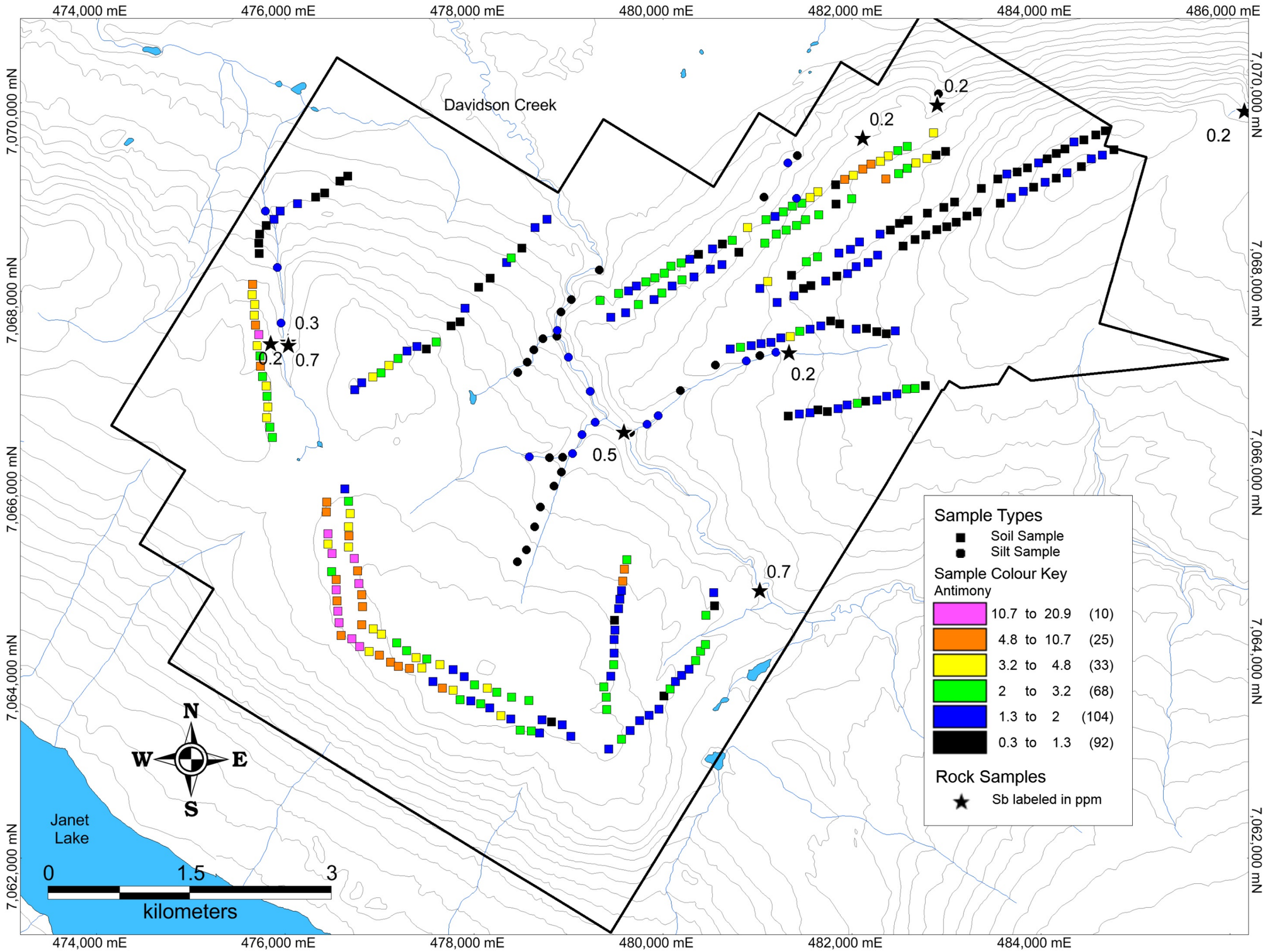
Sample Types
Soil Sample
Silt Sample

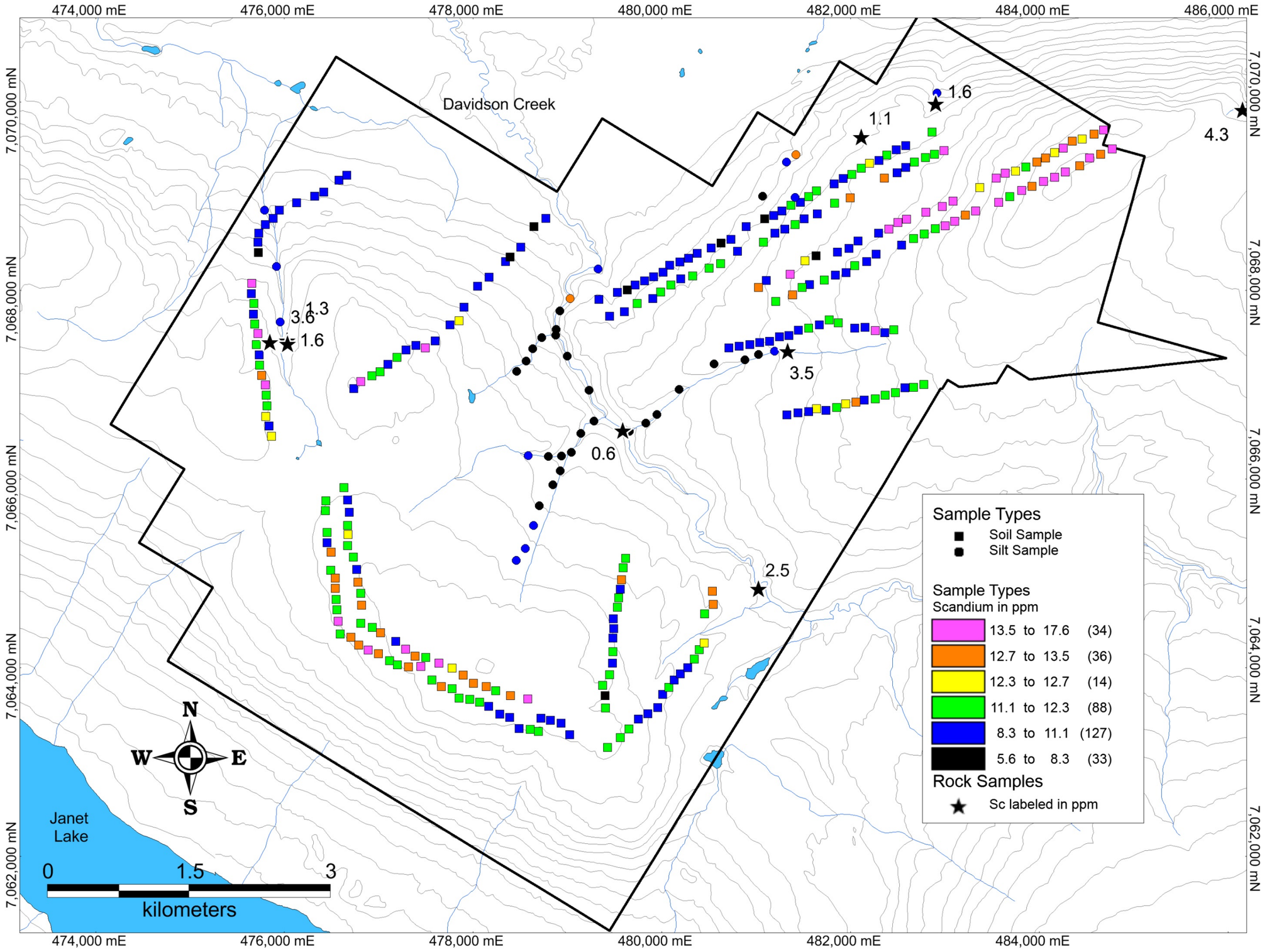
Sample Colour Key
Hafnium in ppm

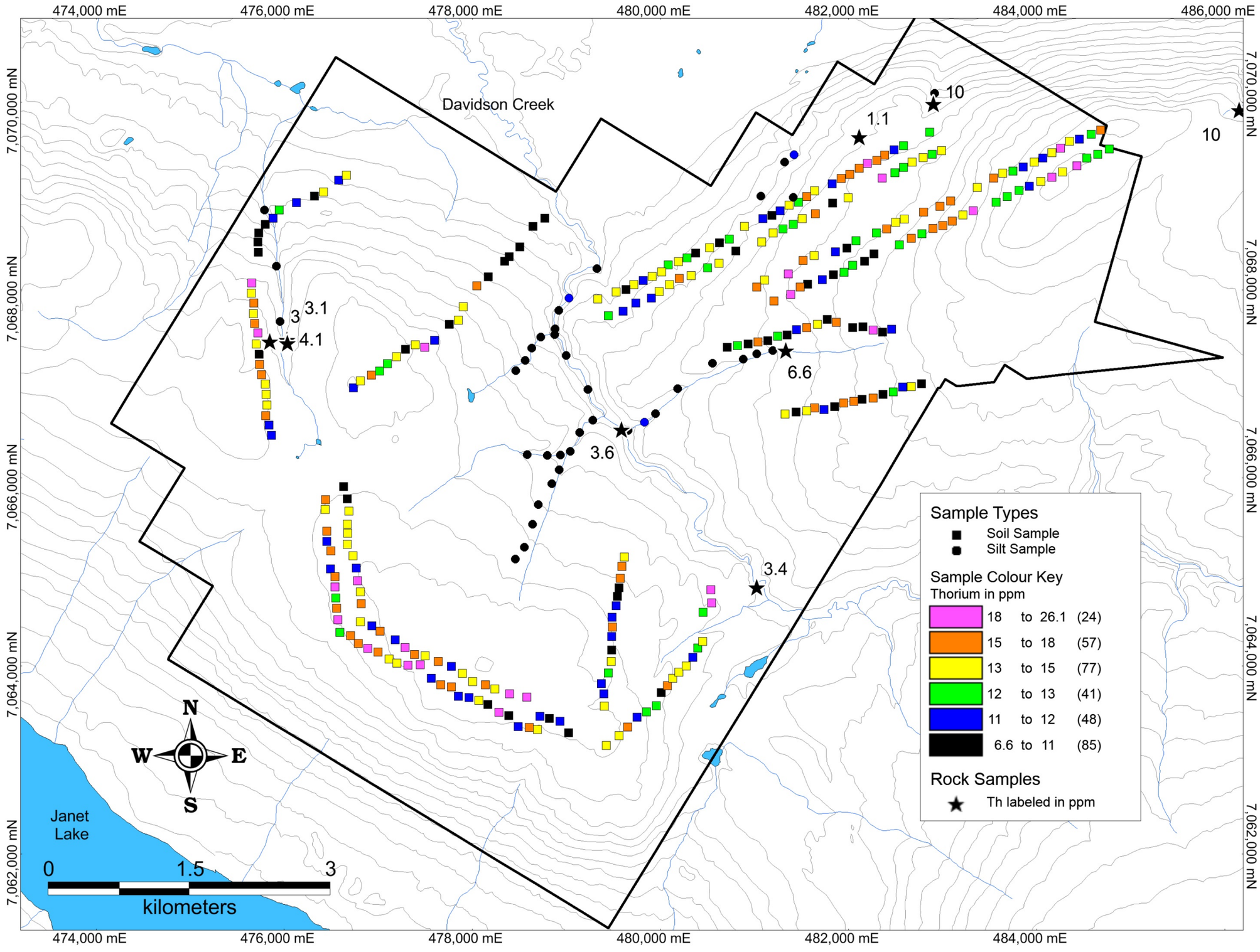
12 to 14	(6)
11 to 12	(6)
10 to 11	(17)
9 to 10	(87)
8 to 9	(141)
5 to 8	(75)

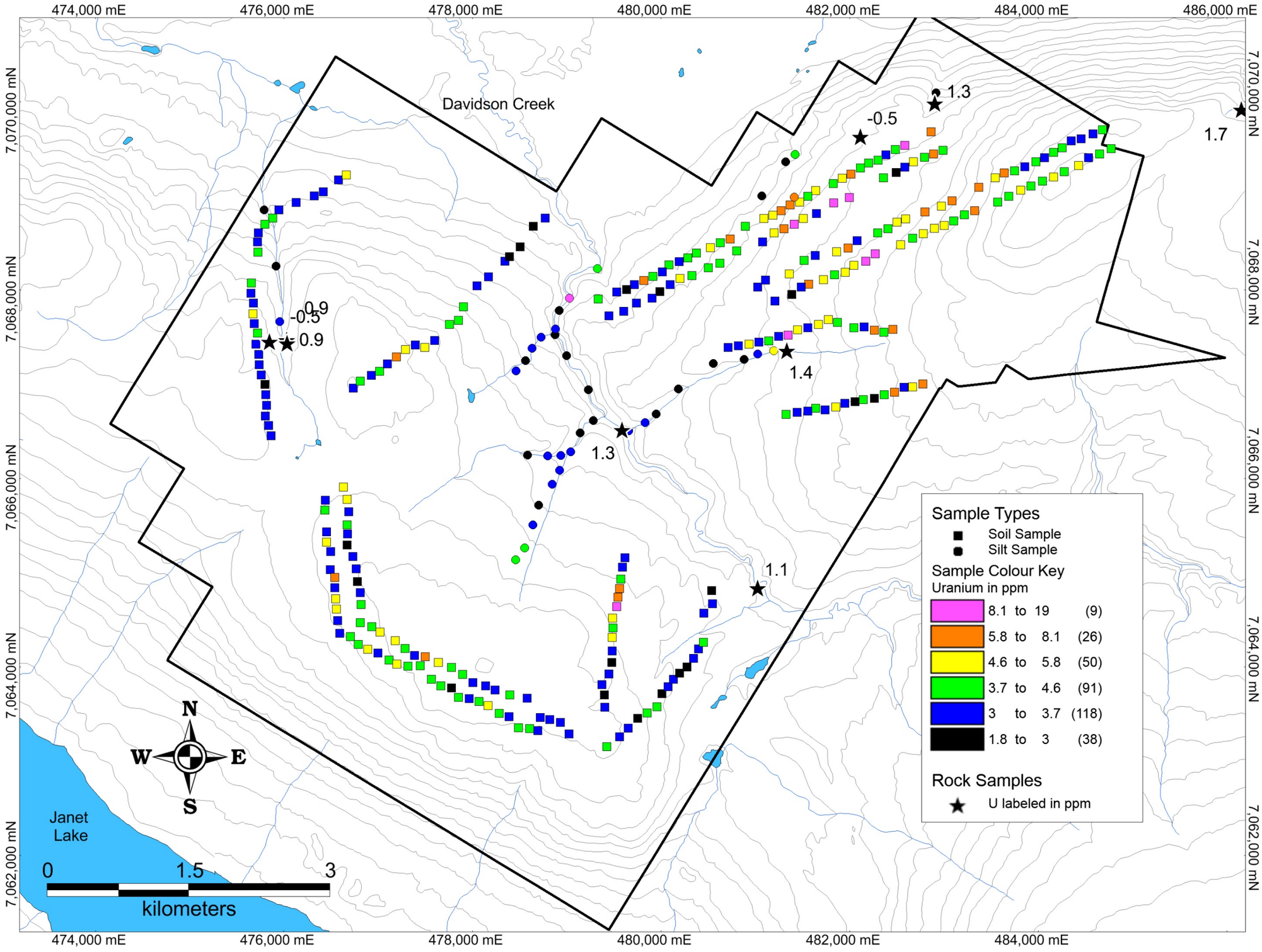
Rock Samples
Hf labeled in ppm

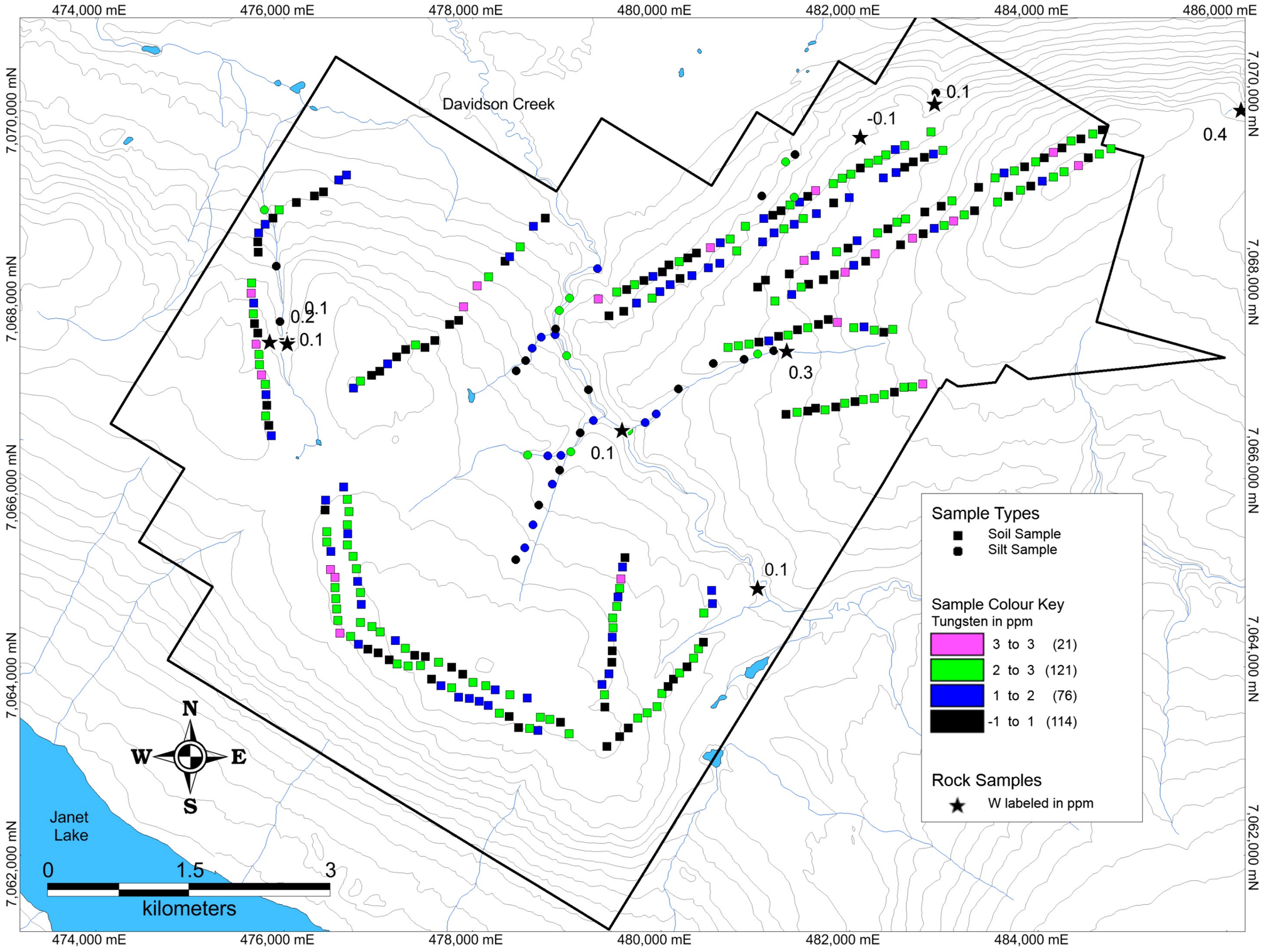

474,000 mE
476,000 mE
478,000 mE
480,000 mE
482,000 mE
484,000 mE
486,000 mE
7,070,000 mN
7,068,000 mN
7,066,000 mN
7,064,000 mN
7,062,000 mN
Davidson Creek
Janet Lake
N
W
E
S
0
1.5
3
kilometers
Sample Types
Soil Sample
Silt Sample
Sample Colour Key
Neodymium in ppm
43 to 59 (19)
37 to 43 (60)
33 to 37 (75)
29 to 33 (74)
24 to 29 (72)
16 to 24 (32)
Rock Samples
Nd labeled in ppm

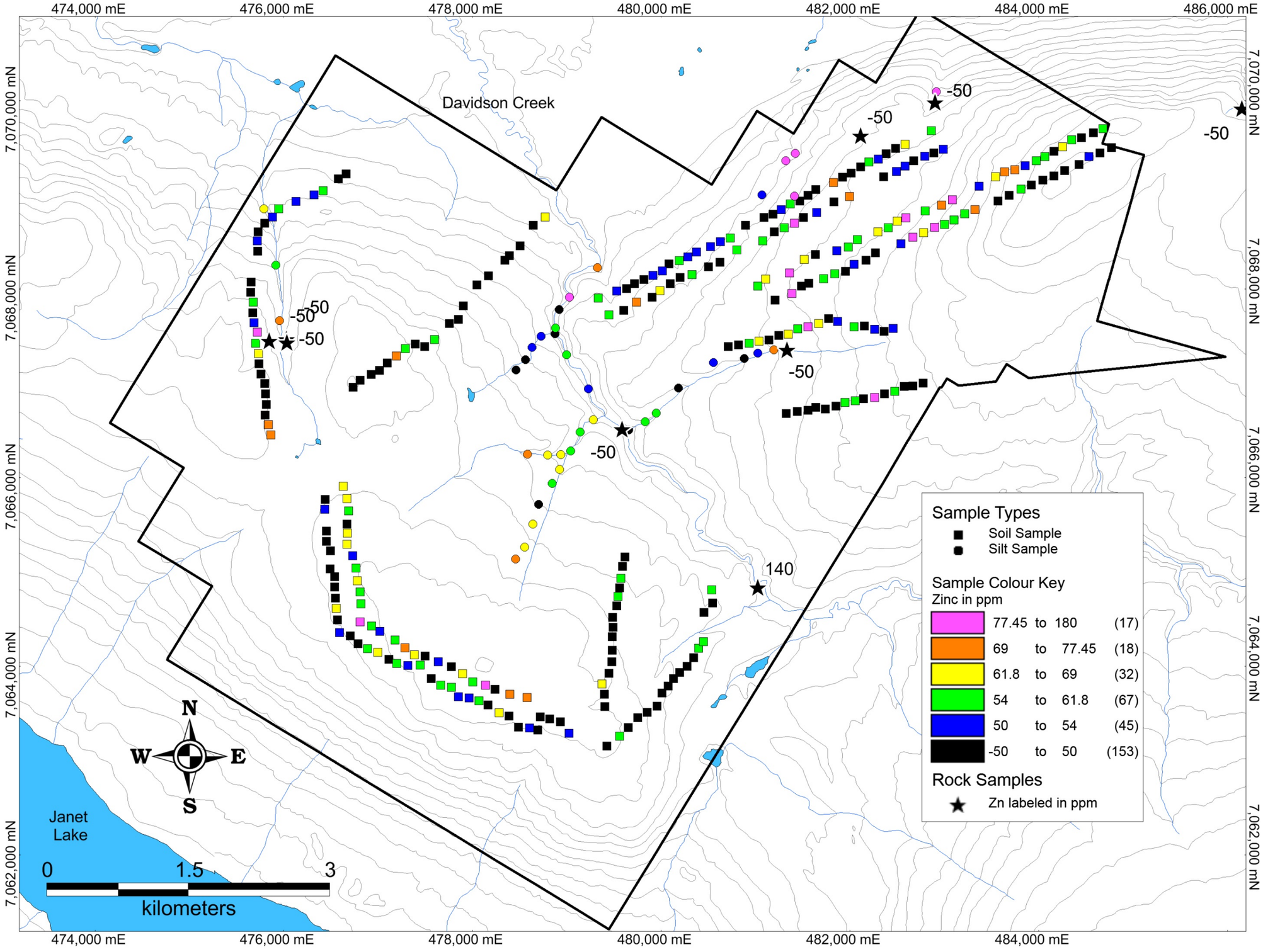

474,000 mE
476,000 mE
478,000 mE
480,000 mE
482,000 mE
484,000 mE
486,000 mE
7,070,000 mN
7,068,000 mN
7,066,000 mN
7,064,000 mN
7,062,000 mN
Davidson Creek
0.2
0.2
0.2
0.3
0.2
0.7
0.2
0.5
0.7
Janet Lake
N
W
E
S
0
1.5
3
kilometers
Sample Types
Soil Sample
Silt Sample
Sample Colour Key
Antimony
10.7 to 20.9 (10)
4.8 to 10.7 (25)
3.2 to 4.8 (33)
2 to 3.2 (68)
1.3 to 2 (104)
0.3 to 1.3 (92)
Rock Samples
Sb labeled in ppm


474,000 mE
476,000 mE
478,000 mE
480,000 mE
482,000 mE
484,000 mE
486,000 mE
7,070,000 mN
7,068,000 mN
7,066,000 mN
7,064,000 mN
7,062,000 mN
Davidson Creek
1.6
1.1
4.3
1.3
3.6
1.6
3.5
0.6
2.5
N
W
E
S
Janet
Lake
0
1.5
3
kilometers
Sample Types
Soil Sample
Silt Sample
Sample Types
Scandium in ppm
13.5 to 17.6 (34)
12.7 to 13.5 (36)
12.3 to 12.7 (14)
11.1 to 12.3 (88)
8.3 to 11.1 (127)
5.6 to 8.3 (33)
Rock Samples
Sc labeled in ppm


474,000 mE
476,000 mE
478,000 mE
480,000 mE
482,000 mE
484,000 mE
486,000 mE
7,070,000 mN
7,068,000 mN
7,066,000 mN
7,064,000 mN
7,062,000 mN
Davidson Creek
10
1.1
10
3
3.1
4.1
6.6
3.6
3.4
N
W
E
S
Janet
Lake
0
1.5
3
kilometers
Sample Types
Soil Sample
Silt Sample
Sample Colour Key
Thorium in ppm
18 to 26.1 (24)
15 to 18 (57)
13 to 15 (77)
12 to 13 (41)
11 to 12 (48)
6.6 to 11 (85)
Rock Samples
Th labeled in ppm


474,000 mE
476,000 mE
478,000 mE
480,000 mE
482,000 mE
484,000 mE
486,000 mE
7,070,000 mN
7,068,000 mN
7,066,000 mN
7,064,000 mN
7,062,000 mN
Davidson Creek
1.3
-0.5
1.7
0.9
-0.5
0.9
1.4
1.3
1.1
N
W
E
S
Janet
Lake
0
1.5
3
kilometers
Sample Types
Soil Sample
Silt Sample
Sample Colour Key
Uranium in ppm
8.1 to 19 (9)
5.8 to 8.1 (26)
4.6 to 5.8 (50)
3.7 to 4.6 (91)
3 to 3.7 (118)
1.8 to 3 (38)
Rock Samples
U labeled in ppm


474,000 mE
476,000 mE
478,000 mE
480,000 mE
482,000 mE
484,000 mE
486,000 mE
7,070,000 mN
7,068,000 mN
7,066,000 mN
7,064,000 mN
7,062,000 mN
Davidson Creek
0.1
-0.1
0.4
0.1
0.2
0.1
0.3
0.1
0.1
N
W
E
S
Janet Lake
0
1.5
3
kilometers
Sample Types
Soil Sample
Silt Sample
Sample Colour Key
Tungsten in ppm
3 to 3 (21)
2 to 3 (121)
1 to 2 (76)
-1 to 1 (114)
Rock Samples
W labeled in ppm


474,000 mE
476,000 mE
478,000 mE
480,000 mE
482,000 mE
484,000 mE
486,000 mE
7,070,000 mN
7,068,000 mN
7,066,000 mN
7,064,000 mN
7,062,000 mN
Davidson Creek
-50
-50
-50
-50
-50
-50
-50
-50
140
N
W
E
S
Janet
Lake
0
1.5
3
kilometers
Sample Types
Soil Sample
Silt Sample
Sample Colour Key
Zinc in ppm
77.45 to 180 (17)
69 to 77.45 (18)
61.8 to 69 (32)
54 to 61.8 (67)
50 to 54 (45)
-50 to 50 (153)
Rock Samples
Zn labeled in ppm

Appendix E

Assay Certificates

Becquerel
A Maxxam Company

Submitted by : Tyrell Sutherland

Vancouver, BC, Canada, V6A 4A3
Date Received : 29-Aug-12
Date Reported : 24-Sep-12

T12-01773.0

6790 Kitimat Rd, Unit #4

Mississauga, ON,Canada,L5N 5L9
Ph: (905) 826-3080 Fax : (905) 826-4151
email : ballen@becquerellabs.com

ISO 17025
For Scope of Accreditation No. 422
Pour la portée d'accréditation no. 422

Acme file # :WHI12000579
Samples were run as received.
Analysis performed by Neutron Activation (Method BQ-NAA-1)
A negative result denotes "Less Than".
Note : Mo results are interfered with by Mo production from U fission.

#	Soil ID	Wt gram	Sb ppm	As ppm	Ba ppm	Br ppm	Ca %	Ce ppm	Cs ppm	Cr ppm	Co ppm	Eu ppm	Au ppb	Hf ppm	Ir ppb	Fe %	La ppm	Lu ppm	Hg ppm	Mo ppm	Nd ppm	Ni ppm	Rb ppm	Sm ppm	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	Ta ppm	Tb ppm	Th ppm	Sn ppm	W ppm	U ppm	Yb ppm	Zn ppm
1	126795	11.71	1.4	11.0	1100	-0.5	2	67	3	73	11	1.3	-2	9	-5	3.01	38.0	0.40	-1	-4	23	-100	52	5.8	11.2	-3	-5	1.27	-500	1.1	0.7	10.0	-100	1	5.5	2.6	62
2	126796	13.00	2.7	11.0	1000	1.8	2	60	2	62	11	1.3	-2	7	-5	2.87	36.0	0.33	-1	-1	24	-100	61	5.4	10.2	-3	-5	1.16	-500	1.1	1.0	9.5	-100	2	4.7	2.4	68
3	126797	13.36	3.8	14.0	990	0.5	-1	80	2	69	9	1.1	-2	9	-5	3.05	47.0	0.37	-1	-1	26	-100	96	6.1	11.0	-3	-5	1.20	-500	1.3	1.1	13.0	-100	2	3.2	2.5	56
4	126798	10.59	4.5	15.0	1100	2.3	1	80	3	74	9	1.3	-2	7	-5	3.21	45.0	0.39	-1	-1	29	-100	100	6.4	12.1	-3	-5	1.03	-500	1.6	1.1	14.0	-100	2	4.0	2.6	-50
5	126799	13.77	5.6	18.0	1100	-0.5	1	79	3	75	12	1.3	-2	9	-5	3.40	47.0	0.41	-1	-2	27	140	95	6.7	12.4	-3	-5	1.25	-500	0.7	0.9	13.0	-100	1	3.4	2.6	65
6	126800	15.22	3.8	13.0	980	-0.5	-1	86	3	69	10	1.5	-2	9	-5	3.27	51.6	0.39	-1	-2	33	160	110	7.0	12.2	-3	-5	1.18	-500	2.0	0.8	14.0	-100	2	2.8	2.7	66
7	126801	11.28	14.4	23.0	830	0.5	-1	72	4	67	10	1.1	-2	9	-5	3.42	38.0	0.35	-1	-1	23	-100	110	5.1	11.3	-3	-5	1.25	-500	1.4	0.6	14.0	-100	2	3.3	2.4	51
8	126802	13.04	5.3	13.0	950	-0.5	-1	78	3	69	9	1.5	-2	9	-5	2.98	43.0	0.37	-1	-1	26	-100	74	6.0	11.0	-3	-5	1.27	-500	0.6	1.0	11.0	-100	2	3.6	2.5	56
9	126803	13.88	13.7	19.0	980	-0.5	-1	90	4	74	13	1.5	-2	10	-5	3.69	53.5	0.39	-1	-2	25	130	130	7.2	12.8	-3	-5	1.18	-500	1.8	0.8	18.0	-100	1	2.5	2.8	62
10	126804	12.84	5.8	12.0	1100	1.1	1	81	3	72	11	1.4	-2	9	-5	3.03	47.0	0.40	-1	-4	25	-100	100	6.5	11.9	-3	-5	1.27	-500	1.8	0.6	13.0	-100	2	3.6	2.7	61
11	126805	11.49	6.7	12.0	1200	1.2	1	90	5	76	12	1.6	-2	8	-5	3.38	53.0	0.43	-1	-4	32	-100	110	7.3	12.9	-3	-5	1.21	-500	1.2	0.9	17.0	-100	1	4.2	2.8	58
12	126806	11.83	6.7	19.0	1000	2.9	1	72	4	75	16	0.9	-2	7	-5	4.02	37.0	0.35	-1	-1	24	-100	97	5.3	11.9	-3	-5	1.11	-500	0.9	-0.5	13.0	-100	2	3.8	2.3	83
13	126807	13.77	3.9	11.0	1100	0.6	1	80	3	73	8	1.4	-2	10	-5	2.93	45.0	0.42	-1	-1	32	140	81	6.7	11.3	-3	-5	1.31	-500	0.6	0.9	11.0	-100	2	3.7	2.9	60
14	126808	11.63	3.4	13.0	1300	1.1	-1	75	5	91	12	1.2	-2	9	-5	4.02	40.0	0.36	-1	-4	24	-100	120	5.0	13.1	-3	-5	1.30	-500	1.2	0.8	16.0	-100	2	4.6	2.4	51
15	126809	11.20	2.9	12.0	1100	1.5	2	71	3	71	11	1.2	4	7	-5	3.01	38.0	0.37	-1	-4	25	-100	70	5.7	10.9	-3	-5	1.20	-500	0.7	0.6	11.0	-100	1	5.5	2.5	59
16	126810	10.89	2.1	9.2	1300	0.6	-1	110	5	95	14	1.7	-2	8	-5	4.28	59.8	0.48	-1	-2	46	-100	150	8.3	15.3	-3	-5	1.10	-500	1.1	1.0	20.0	-100	2	4.3	3.1	71
17	126811	11.77	3.8	15.0	1200	1.0	2	93	4	81	11	1.6	-2	8	-5	3.78	50.9	0.44	-1	-4	36	-100	120	7.3	13.2	-3	-5	1.20	-500	1.4	1.0	17.0	-100	-1	3.4	3.0	63
18	126812	9.64	2.6	11.0	1100	1.9	2	79	4	72	11	1.5	-2	7	-5	3.28	42.0	0.40	-1	-4	32	-100	91	6.2	11.4	-3	-5	1.04	-500	0.9	0.9	13.0	-100	-1	7.4	2.6	-50
19	126813	10.82	4.5	16.0	1100	1.9	2	87	4	81	12	1.4	-2	6	-5	3.83	47.0	0.40	-1	-4	37	-100	130	6.7	13.6	-3	-5	1.05	-500	1.3	1.1	16.0	-100	2	5.7	2.6	50
20	126814	14.94	1.3	12.0	1300	0.6	2	78	3	82	10	1.7	-2	9	-5	3.18	44.0	0.46	-1	-4	30	-100	60	6.8	12.3	-3	-5	1.29	-500	1.6	1.0	11.0	-100	-1	3.8	3.2	-50
21	126815	12.60	1.3	10.0	1300	1.7	1	83	4	88	12	1.5	-2	9	-5	3.46	48.0	0.41	-1	-2	36	-100	110	6.8	13.1	-3	-5	1.43	-500	1.6	1.0	13.0	-100	-1	4.5	2.8	65
22	126816	14.06	2.3	14.0	1200	1.2	1	85	3	84	12	1.5	-2	8	-5	3.68	46.0	0.44	-1	-2	31	-100	93	6.9	12.8	-3	-5	1.23	-500	1.7	0.9	14.0	-100	2	3.3	3.0	60
23	126817	10.45	3.8	16.0	1300	-0.5	3	100	5	81	14	1.5	-2	7	-5	3.97	51.1	0.42	-1	-2	40	120	140	7.6	13.3	-3	-5	1.08	-500	1.3	0.7	17.0	-100	2	3.1	2.8	89
24	126818	11.50	2.5	14.0	1100	1.0	1	84	3	76	12	1.3	-2	8	-5	3.38	46.0	0.41	-1	-4	29	-100	95	6.7	11.9	-3	-5	1.12	-500	0.8	0.9	14.0	-100	1	3.6	2.7	-50
25	126819	9.92	2.5	17.0	1100	-0.5	1	110	5	87	15	1.8	-2	8	-5	4.05	62.0	0.44	-1	-4	43	-100	120	8.6	13.4	-3	-5	1.13	-500	1.6	1.1	18.0	-100	2	3.7	3.0	71
26	126820	10.29	2.1	10.0	960	0.6	2	110	5	89	14	1.5	-2	8	-5	3.90	56.9	0.42	-1	-4	39	-100	120	7.9	13.8	-3	-5	1.17	-500	1.2	0.9	18.0	-100	1	3.0	2.8	76
27	126821	15.14	1.4	10.0	1000	0.6	-1	73	3	66	8	1.2	-2	8	-5	2.84	43.0	0.38	-1	-1	24	-100	76	6.1	10.7	-3	-5	1.27	-500	1.0	0.9	11.0	-100	2	3.2	2.6	-50
28	126822	14.75	1.2	10.0	930	1.1	1	60	3	68	6	1.0	-2	8	-5	2.59	34.0	0.35	-1	-1	24	-100	61	4.8	10.0	-3	-5	1.13	-500	1.4	0.6	8.3	-100	2	3.3	2.3	-50
29	126823	13.78	1.5	9.0	940	0.8	-1	73	3	63	10	1.3	-2	8	-5	2.72	41.0	0.36	-1	-3	27	-100	72	5.9	10.3	-3	-5	1.12	-500	1.4	0.7	11.0	-100	-1	3.1	2.4	-50
30	126824	14.20	1.5	12.0	1100	0.5	-1	63	3	68	10	1.2	-2	8	-5	3.01	36.0	0.37	-1	-3	25	-100	55	5.4	10.6	-3	-5	1.27	-500	1.3	0.7	9.2	-100	2	3.2	2.5	51
31	126825	8.48	0.9	5.5	1200	1.2	-1	96	4	84	11	1.6	-2	7	-5	3.16	50.6	0.42	-1	-4	35	-100	91	7.3	13.9	-3	-5	1.09	-500	1.1	1.1	13.0	-100	2	4.2	2.7	50
32	126826	10.89	1.2	10.0	890	3.2	1	81	4	72	13	1.2	-2	7	-5	3.12	43.0	0.39	-1	-4	27	-100	77	6.3	11.3	-3	-5	1.02	-500	1.4	0.9	12.0	-100	1	6.1	2.6	-50
33	126827	11.94	3.8	47.0	850	-0.5	1	88	4	79	10	1.4	-2	9	-5	3.30	48.0	0.42	-1	-4	31	-100	91	6.8	11.9	-3	-5	1.12	-500	1.2	0.8	14.0	-100	-1	4.0	2.8	53
34	126828	10.32	4.0	59.2	900	-0.5	1	87	3	70	14	1.3	-2	9	-5	3.56	46.0	0.44	-1	-4	33	-100	85	6.7	11.4	-3	-5	1.03	-500	1.2	0.9	14.0	-100	-1	4.7	2.9	-50
35	126829	13.11	2.8	47.0	900	-0.5	1	84	3	73	11	1.3	-2	9	-5	3.09	46.0	0.41	-1	-1	30	-100	77	6.5	11.0	-3	-5	1.17	-500	1.0	0.8	12.0	-100	-1	3.6	2.8	53
36	126830	14.43	2.7	35.0	900	-0.5	1	77	3	70	10	1.3	-2	8	-5	3.15	43.0	0.39	-1	-3	26	-100	85	6.0	10.8	-3	-5	1.19	-500	1.2	0.7	12.0	-100	1	2.7	2.6	53
37	126831	12.69	5.0	96.6	850	-0.5	-1	120	5	76	14	1.6	-2	10	-5	4.17	64.8	0.45	-1	-4	42	-100	100	8.0	12.9	-3	-5	1.00	-500	1.7	1.1	19.0	-100	1	4.1	3.0	-50
38	126832	11.04	2.7	20.0	1100	0.7	2	83	3	80	17	1.4	-2	7	-5	3.71	45.0	0.43	-1	-4	32	-100	83	6.7	13.0	-3	-5	1.16	-500	1.0	0.6	13.0	-100	1	10.0	2.8	73
39	126833	8.64	1.1	9.1	1100	2.2	2	70	3	68	10	1.2	-2	6	-5	3.06	36.0	0.34	-1	-4	29	-100	71	5.4	11.3	-3	-5	1.06	-500	1.1	0.9	9.5	-100	-1	8.2	2.4	-50
40	126834	12.39	2.3	28.0	760	1.8	-1	100	2	66	12	1.4	-2	9	-5	3.59	48.0	0.44	-1	-4	32	-100	79	7.0	10.6	-3	-5	1.23	-500	1.6	0.9	15.0	-100	1	3.6	2.9	51
41	126835	9.46	2.6	19.0	840	2.5	2	83	3	64	11	1.4	-2	8	-5	3.04	45.0	0.44	-1	-4	36	-100	81	6.6	10.4	-3	-5	1.05	-500	1.0	0.6	13.0	-100	2	4.8	2.9	-50
42	126836	9.36	2.0	25.0	930	4.1	2	80	4	69	13	1.4	-2	7	-5	3.43	41.0	0.41	-1	-4	31	-100	80	6.2	11.3	-3	-5	1.00	-500	0.9	0.9	12.0	-100	1	10.0	2.7	110
43	126837	9.34	2.1	15.0	760	7.0	2	77	3	58	10	1.2	-2	6	-5	2.71	40.0	0.40	-1	-4	30	-100	68	5.8	9.2	-3	-5	0.91	-500	1.0	0.7	12.0	-100	2	7.6	2.5	55

Becquerel
A Maxxam Company

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Vancouver, BC, Canada, V6A 4A3
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#	Soil ID	Wt gram	Sb ppm	As ppm	Ba ppm	Br ppm	Ca %	Ce ppm	Cs ppm	Cr ppm	Co ppm	Eu ppm	Au ppb	Hf ppm	Ir ppb	Fe %	La ppm	Lu ppm	Hg ppm	Mo ppm	Nd ppm	Ni ppm	Rb ppm	Sm ppm	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	Ta ppm	Tb ppm	Th ppm	Sn ppm	W ppm	U ppm	Yb ppm	Zn ppm
44	126838	10.53	2.4	14.0	820	2.8	2	89	2	66	11	1.2	-2	7	-5	3.02	44.0	0.40	-1	-4	34	-100	87	6.3	10.9	-3	-5	1.06	-500	0.9	0.9	13.0	-100	1	4.6	2.7	-50
45	126839	9.57	2.0	17.0	770	3.2	1	85	3	68	10	1.1	-2	7	-5	2.94	42.0	0.40	-1	-4	30	-100	89	6.1	10.6	-3	-5	1.09	-500	0.6	0.8	13.0	-100	1	4.2	2.6	51
46	126840	12.13	2.1	19.0	870	1.8	1	88	3	71	11	1.5	24	8	-5	3.21	45.0	0.44	-1	-4	38	-100	89	6.6	11.2	-3	-5	1.18	-500	1.4	1.0	14.0	-100	1	3.3	2.9	60
47	126841	9.25	1.1	10.0	750	4.4	2	61	2	55	8	1.0	-2	6	-5	2.26	32.0	0.33	-1	-3	24	-100	64	4.8	8.5	-3	-5	1.03	-500	0.8	0.7	9.4	-100	2	4.0	2.2	55
48	126842	9.87	1.4	16.0	880	2.2	1	82	3	70	10	1.2	-2	8	-5	3.33	42.0	0.38	-1	-1	31	-100	96	6.1	11.1	-3	-5	1.12	-500	1.5	0.8	13.0	-100	1	3.7	2.5	-50
49	126843	10.32	1.4	8.2	980	1.1	1	79	3	75	9	1.3	-2	8	-5	2.36	40.0	0.40	-1	-3	28	-100	72	5.9	11.3	-3	-5	1.23	-500	1.3	0.6	12.0	-100	1	4.5	2.7	-50
50	126844	11.58	1.9	19.0	950	-0.5	2	88	3	75	12	1.5	-2	9	-5	3.09	46.0	0.45	-1	-1	33	-100	90	6.8	11.7	-3	-5	1.32	-500	1.1	1.0	14.0	-100	1	4.4	3.0	59
51	126845	14.68	2.3	34.0	730	0.6	-1	91	2	71	12	1.5	5	12	-5	3.33	48.0	0.47	-1	-1	33	-100	66	7.0	10.4	-3	-5	1.23	-500	1.4	0.9	15.0	-100	-1	4.7	3.1	-50
52	126846	12.81	1.9	17.0	890	0.5	1	85	3	71	10	1.6	-2	9	-5	3.02	50.0	0.48	-1	-1	28	-100	86	7.1	11.6	-3	-5	1.22	-500	1.0	1.1	14.0	-100	1	3.3	3.1	-50
53	126847	10.70	2.1	18.0	850	2.0	2	80	3	69	11	1.3	-2	8	-5	3.24	43.0	0.39	-1	-1	29	-100	98	6.1	11.2	-3	-5	1.13	-500	0.9	0.8	14.0	-100	1	2.9	2.6	66
54	126848	10.05	1.7	28.0	860	3.6	2	74	3	65	14	1.2	-2	7	-5	3.09	36.0	0.36	-1	-1	27	-100	68	5.4	10.1	-3	-5	1.08	-500	0.9	0.6	11.0	-100	2	3.5	2.4	-50
55	126849	13.75	2.0	20.0	1200	-0.5	2	72	3	80	12	1.2	-2	8	-5	3.43	39.0	0.41	-1	-1	29	-100	68	6.0	11.7	-3	-5	1.34	-500	1.0	0.8	11.0	-100	1	3.4	2.8	73
56	126850	10.18	1.8	23.0	860	1.5	1	74	3	66	10	1.1	-2	7	-5	3.45	37.0	0.37	-1	-3	28	-100	76	5.4	10.1	-3	-5	1.09	-500	0.8	0.9	11.0	-100	-1	3.6	2.4	-50
57	126851	9.72	1.5	13.0	880	1.8	1	81	3	68	7	1.2	-2	8	-5	2.58	41.0	0.40	-1	-3	35	-100	81	6.0	10.5	-3	-5	1.05	-500	1.5	0.6	12.0	-100	-1	3.0	2.6	56
58	126978	14.27	2.0	13.0	1100	1.2	-1	86	3	74	13	1.5	-2	8	-5	3.50	44.0	0.41	-1	-1	34	-100	79	6.6	12.2	-3	-5	1.13	-500	1.3	0.8	13.0	-100	-1	3.5	2.8	-50
59	126979	14.30	2.0	14.0	650	-0.5	-1	69	2	44	9	1.1	-2	8	-5	2.63	37.0	0.38	-1	-1	27	-100	66	5.4	7.7	-3	-5	0.78	-500	1.1	0.8	11.0	-100	2	2.0	2.5	-50
60	126980	13.27	2.2	16.0	1300	0.8	1	73	3	77	13	1.3	-2	8	-5	3.60	39.0	0.43	-1	-3	32	-100	64	6.1	12.2	-3	-5	1.12	-500	1.0	1.0	11.0	-100	1	3.1	2.9	68
61	126981	14.51	1.5	9.5	1100	-0.5	-1	81	3	70	10	1.5	-2	8	-5	3.00	43.0	0.41	-1	-3	34	-100	69	6.6	11.2	-3	-5	1.13	-500	1.1	1.0	12.0	-100	1	3.6	2.8	-50
62	126982	13.63	2.1	11.0	870	0.8	-1	80	3	63	10	1.1	-2	8	-5	2.84	38.0	0.34	-1	-1	25	-100	77	5.3	10.0	-3	-5	1.10	-500	1.3	0.7	13.0	-100	-1	2.7	2.3	-50
63	126983	15.39	1.8	13.0	1200	-0.5	2	74	3	77	11	1.3	-2	9	-5	3.12	39.0	0.42	-1	-3	30	-100	66	6.0	11.1	-3	-5	1.27	-500	1.0	0.9	10.0	-100	-1	3.3	2.8	-50
64	126984	12.87	1.4	8.7	900	2.7	2	68	3	59	10	1.1	-2	6	-5	2.64	35.0	0.34	-1	-3	27	-100	74	5.1	9.4	-3	-5	1.00	-500	1.1	0.5	11.0	-100	1	4.9	2.2	-50
65	126985	13.06	1.6	12.0	920	1.4	-1	90	3	68	14	1.3	8	9	-5	3.53	47.0	0.43	-1	-1	34	-100	90	6.7	10.8	-3	-5	1.00	-500	1.2	0.8	15.0	-100	2	3.8	2.8	-50
66	126986	12.43	1.1	9.0	940	1.6	1	77	3	69	9	1.1	12	10	-5	2.78	39.0	0.41	-1	-4	28	-100	74	5.7	10.1	-3	-5	1.09	-500	0.9	0.8	11.0	-100	2	5.4	2.7	-50
67	126987	12.78	1.4	11.0	1100	0.9	1	73	3	74	10	1.2	-2	8	-5	3.11	38.0	0.40	-1	-4	31	-100	66	5.8	11.3	-3	-5	1.12	-500	1.1	0.8	11.0	-100	2	8.5	2.6	-50
68	126988	13.60	1.6	14.0	1200	1.0	1	74	3	76	11	1.3	-2	8	-5	3.20	37.0	0.40	-1	-4	30	-100	65	5.8	11.3	-3	-5	1.14	-500	0.8	1.1	10.0	-100	1	6.0	2.6	55
69	126989	12.24	1.5	11.0	1000	0.6	1	74	3	70	10	1.2	-2	8	-5	2.86	37.0	0.39	-1	-4	28	-100	70	5.7	10.5	-3	-5	1.15	-500	1.2	0.9	11.0	-100	-1	7.2	2.5	56
70	126990	13.00	1.5	11.0	1100	0.9	1	70	3	69	11	1.2	-2	8	-5	3.00	36.0	0.38	-1	-4	26	-100	64	5.6	10.5	-3	-5	1.16	-500	0.9	0.9	10.0	-100	2	6.3	2.5	-50
71	126991	10.15	5.0	25.0	1000	0.6	-1	99	4	81	10	1.5	-2	9	-5	3.15	50.3	0.44	-1	-2	36	-100	96	7.6	12.8	-3	-5	1.58	-500	0.8	0.9	16.0	-100	3	4.5	3.0	57
72	126992	14.42	6.5	18.0	890	-0.5	-1	94	4	70	14	1.5	-2	9	-5	3.57	50.4	0.43	-1	-1	34	-100	110	7.0	11.7	-3	-5	1.15	-500	1.1	1.1	16.0	-100	1	3.0	2.8	-50
73	126993	11.52	2.3	14.0	990	3.2	2	86	3	72	13	1.5	-2	7	-5	3.38	43.0	0.43	-1	-1	32	-100	73	6.6	11.8	-3	-5	1.32	-500	1.0	0.8	13.0	-100	-1	3.6	2.8	-50
74	128382	10.72	1.2	10.0	1200	1.8	1	91	4	90	11	1.6	-2	9	-5	3.47	47.0	0.46	-1	-2	38	-100	93	7.1	13.6	-3	-5	1.27	-500	1.4	1.0	12.0	-100	2	3.9	3.0	-50
75	128383	12.42	1.5	12.0	1000	2.0	-1	89	3	85	13	1.5	7	8	-5	3.39	44.0	0.41	-1	-4	34	-100	80	6.5	13.3	-3	-5	1.19	-500	1.0	0.9	12.0	-100	2	4.1	2.7	-50
76	128384	13.57	1.5	12.0	1300	0.8	2	81	4	83	13	1.6	4	8	-5	3.58	46.0	0.52	-1	-4	36	-100	73	7.5	14.5	-3	-5	1.23	-500	1.4	1.2	12.0	-100	-1	3.6	3.6	53
77	128385	13.38	0.8	8.9	820	0.8	-1	130	4	79	11	1.4	-2	13	-5	3.06	67.7	0.47	-1	-2	49	-100	130	9.0	13.0	-3	-5	1.15	-500	1.7	1.0	20.0	-100	3	4.6	3.1	-50
78	128386	12.14	1.4	13.0	1200	1.3	1	94	4	90	12	1.6	-2	8	-5	3.88	45.0	0.46	-1	-4	36	-100	86	7.3	14.7	-3	-5	1.26	-500	1.3	1.1	13.0	-100	2	4.4	3.1	-50
79	128387	11.12	0.8	11.0	1100	-0.5	-1	130	7	110	15	1.8	-2	10	-5	4.14	64.2	0.54	-1	-5	46	-100	160	9.1	17.3	-3	-5	0.89	-500	1.3	1.2	20.2	-100	2	4.7	3.6	-50
80	128388	13.19	1.3	17.0	1200	3.4	1	95	4	110	16	1.5	-2	8	-5	4.41	50.2	0.42	-1	-2	37	-100	82	7.2	14.7	-3	-5	1.19	-500	1.3	0.9	13.0	-100	1	4.4	2.8	-50
81	128389	11.71	1.2	12.0	1100	2.7	1	78	3	94	11	1.3	-2	9	-5	3.55	40.0	0.43	-1	-4	33	-100	68	6.2	13.3	-3	-5	1.31	-500	1.2	0.9	11.0	-100	-1	4.5	2.9	-50
82	128390	13.34	1.1	10.0	1000	2.2	1	77	3	92	10	1.3	-2	9	-5	3.46	39.0	0.44	-1	-4	30	-100	77	6.0	13.0	-3	-5	1.32	-500	1.3	0.8	10.0	-100	-1	3.9	2.8	-50
83	128391	11.24	1.3	10.0	1300	1.6	1	86	4	92	12	1.4	-2	9	-5	3.62	41.0	0.48	-1	-4	34	-100	78	6.5	13.6	-3	-5	1.19	-500	1.4	0.9	12.0	-100	2	4.6	3.1	54
84	128392	15.11	1.4	13.0	1100	1.4	1	83	3	80	13	1.5	-2	9	-5	3.42	43.0	0.49	-1	-1	34	-100	73	6.8	12.2	-3	-5	1.27	-500	1.1	1.1	12.0	-100	-1	3.8	3.1	-50
85	128393	11.70	1.2	12.0	1100	2.7	1	85	5	96	11	1.3	-2	9	-5	3.69	44.0	0.45	-1	-4	33	-100	96	6.6	13.6	-3	-5	1.11	-500	1.4	0.7	12.0	-100	2	4.2	3.0	-50
86	128395	10.46	1.1	8.7	1400	1.6	1	130	6	120	17	1.7	-2	11	-5	3.77	57.2	0.51	-1	-5	47	-100	110	8.5	16.2	-3	-5	1.30	-500	1.5	1.3	19.0	-100	-1	6.5	3.4	69

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87	128396	11.01	0.7	7.9	1200	2.5	1	80	4	86	18	1.2	-2	8	-5	3.45	38.0	0.38	-1	-2	30	-100	95	5.5	13.4	-3	-5	1.13	-500	1.1	0.7	14.0	-100	2	4.0	2.4	60
88	128397	11.32	0.7	4.1	1100	1.0	-1	110	4	99	16	1.5	-2	10	-5	4.24	53.7	0.53	-1	-5	39	-100	110	7.5	15.7	-3	-5	1.26	-500	1.6	1.2	17.0	-100	3	4.3	3.4	57
89	128398	8.51	1.0	8.1	1300	0.8	1	100	4	89	14	1.5	-2	7	-5	3.68	50.0	0.45	-1	-5	42	-100	100	7.2	15.0	-3	-5	1.07	-500	1.6	1.2	15.0	-100	2	5.5	2.9	55
90	128399	11.72	0.9	9.1	1300	0.7	1	95	3	73	9	1.3	-2	11	-5	2.92	46.0	0.42	-1	-4	39	-100	82	6.7	11.2	-3	-5	1.37	-500	0.7	0.8	15.0	-100	1	4.9	2.7	150
91	128400	8.74	0.7	6.9	960	3.1	1	86	3	74	11	1.3	-2	8	-5	2.96	41.0	0.40	-1	-5	35	-100	85	6.1	12.1	-3	-5	1.06	-500	1.1	0.9	12.0	-100	-1	5.4	2.6	64
92	128401	10.71	1.1	11.0	1000	4.0	2	100	3	71	14	1.3	-2	9	-5	3.66	50.0	0.50	-1	-5	41	-100	81	7.5	11.9	-3	-5	1.00	-500	0.9	1.0	15.0	-100	3	3.8	3.2	180
93	128402	12.68	1.2	10.0	940	0.8	1	85	3	71	11	1.3	-2	9	-5	3.05	43.0	0.42	-1	-4	34	-100	66	6.4	10.8	-3	-5	1.09	-500	1.2	0.8	12.0	-100	-1	4.9	2.8	51
94	128403	10.83	1.6	12.0	1000	3.4	1	72	3	64	13	1.3	-2	7	-5	3.10	37.0	0.40	-1	-4	30	-100	56	5.8	10.1	-3	-5	1.00	-500	1.1	0.8	10.0	-100	3	9.2	2.6	-50
95	128404	11.32	1.4	10.0	1000	1.5	2	71	3	65	10	1.2	8	7	-5	2.88	36.0	0.37	-1	-4	31	-100	64	5.5	10.2	-3	-5	1.08	-500	1.0	0.7	10.0	-100	-1	8.1	2.4	-50
96	128405	12.49	1.7	12.0	1100	0.6	1	83	3	71	12	1.3	-2	8	-5	3.13	42.0	0.42	-1	-4	33	-100	77	6.4	11.1	-3	-5	1.17	-500	1.1	0.9	12.0	-100	1	4.6	2.7	51
97	128406	14.30	1.8	12.0	1000	-0.5	1	82	3	71	11	1.4	-2	9	-5	3.08	42.0	0.43	-1	-4	33	-100	72	6.3	11.0	-3	-5	1.19	-500	1.1	1.0	12.0	-100	3	5.7	2.8	-50
98	128407	10.55	0.9	3.0	1100	3.2	1	70	2	63	9	1.1	-2	7	-5	2.19	36.0	0.36	-1	-4	30	-100	60	5.4	9.4	-3	-5	1.15	-500	0.8	0.7	10.0	-100	-1	4.3	2.4	56
99	128408	11.90	1.5	13.0	1400	1.6	1	76	4	78	11	1.4	-2	7	-5	3.25	38.0	0.43	-1	-4	32	-100	65	6.2	12.2	-3	-5	1.15	-500	1.3	0.9	11.0	-100	-1	5.5	2.7	56
100	128409	12.32	0.9	3.9	1100	1.3	2	70	3	67	7	1.1	-2	8	-5	1.90	36.0	0.39	-1	-4	28	-100	58	5.5	10.0	-3	-5	1.25	-500	1.2	0.8	9.4	-100	-1	6.2	2.5	-50
101	128410	14.23	1.1	8.4	1500	1.1	-1	110	3	68	13	1.7	-2	9	-5	3.21	57.7	0.47	-1	-2	39	-100	91	8.4	11.8	-3	-5	1.53	-500	0.9	1.1	16.0	-100	2	3.1	3.2	-50
102	128411	10.77	1.3	9.4	1300	1.1	2	100	3	82	13	1.6	-2	8	-5	3.83	52.9	0.46	-1	-4	42	-100	120	7.6	12.7	-3	-5	1.31	-500	1.5	1.1	19.0	-100	1	2.9	3.0	100
103	128412	15.30	1.8	13.0	990	1.2	-1	86	3	82	14	1.0	-2	9	-5	3.74	35.0	0.36	-1	-1	27	-100	86	5.0	11.8	-3	-5	1.41	-500	1.2	0.8	16.0	-100	2	3.4	2.3	-50
104	128485	14.12	1.3	12.0	1100	3.2	-1	69	3	85	10	1.0	-2	8	-5	3.50	34.0	0.37	-1	-3	26	-100	67	4.8	10.8	-3	-5	1.07	-500	1.5	0.6	11.0	-100	1	3.0	2.4	-50
105	128486	14.32	1.8	21.0	1500	0.7	1	90	4	96	14	1.6	-2	8	-5	4.30	46.0	0.49	-1	-4	35	-100	97	7.3	16.0	-3	-5	1.22	-500	1.4	1.2	14.0	-100	2	4.3	3.3	-50
106	128487	14.12	4.7	17.0	950	0.8	-1	100	3	72	11	1.7	-2	9	-5	3.19	62.0	0.47	-1	-4	49	-100	99	8.5	12.2	-3	-5	1.19	-500	1.3	1.0	17.0	-100	-1	3.3	3.1	-50
107	128488	14.29	3.0	13.0	1100	1.2	1	79	3	76	10	1.3	-2	8	-5	2.85	40.0	0.43	-1	-4	32	-100	59	6.3	11.7	-3	-5	1.19	-500	1.3	0.9	12.0	-100	-1	4.5	2.8	-50
108	128489	14.04	3.1	14.0	850	1.2	-1	84	2	64	9	1.2	-2	9	-5	2.69	41.0	0.38	-1	-4	32	-100	79	5.7	10.0	-3	-5	1.17	-500	1.0	0.6	12.0	-100	2	3.5	2.4	-50
109	128490	13.24	3.2	15.0	790	1.4	-1	75	3	62	8	1.0	-2	9	-5	2.72	36.0	0.36	-1	-4	27	-100	77	5.2	9.3	-3	-5	1.14	-500	1.3	0.8	12.0	-100	1	3.2	2.3	-50
110	128491	10.58	2.1	13.0	1300	1.8	2	84	3	76	12	1.5	-2	8	-5	3.30	43.0	0.43	-1	-4	35	-100	79	6.6	11.8	-3	-5	1.19	-500	0.9	1.1	13.0	-100	-1	6.0	2.8	71
111	128492	12.48	1.5	12.0	1000	1.1	2	74	3	77	11	1.2	-2	8	-5	3.03	36.0	0.38	-1	-4	29	-100	66	5.5	10.9	-3	-5	1.17	-500	1.2	0.9	10.0	-100	-1	5.2	2.5	55
112	128493	14.54	1.4	11.0	1100	2.2	-1	68	3	80	12	0.9	-2	9	-5	3.41	34.0	0.39	-1	-4	26	-100	79	4.5	10.7	-3	-5	1.13	-500	1.3	0.7	14.0	-100	2	3.6	2.4	-50
113	128494	10.99	1.0	6.9	1300	2.1	-1	130	5	93	12	1.7	-2	10	-5	3.86	65.3	0.49	-1	-5	50	-100	170	8.7	15.5	-3	-5	1.07	-500	1.5	1.2	20.6	-100	-1	5.3	3.0	-50
114	128495	13.68	2.4	21.0	870	0.9	-1	70	3	74	11	1.0	-2	9	-5	3.16	33.0	0.34	-1	-4	27	-100	76	4.8	10.0	-3	-5	1.14	-500	0.6	0.6	11.0	-100	-1	3.2	2.2	56
115	128496	11.25	1.1	12.0	900	1.5	2	73	3	65	10	1.2	-2	8	-5	2.57	35.0	0.39	-1	-4	32	-100	60	5.4	10.0	-3	-5	1.13	-500	1.1	0.7	10.0	-100	-1	4.0	2.4	-50
116	128497	10.90	0.8	11.0	1200	1.2	-1	75	4	84	15	1.2	-2	8	-5	3.89	44.0	0.40	-1	-2	30	-100	110	5.8	12.6	-3	-5	1.22	-500	0.9	0.7	14.0	-100	-1	4.3	2.6	-50
117	128498	13.66	1.7	20.0	810	1.4	2	82	2	83	11	1.1	-2	12	-5	3.30	39.0	0.44	-1	-4	31	-100	68	5.9	10.2	-3	-5	1.32	-500	1.2	0.8	13.0	-100	3	3.8	2.7	-50
118	128499	12.46	0.6	7.9	860	1.3	1	88	3	72	9	1.4	-2	10	-5	3.01	47.0	0.46	-1	-1	35	-100	78	7.0	10.9	-3	-5	1.78	-500	1.0	1.0	15.0	-100	3	3.2	2.9	-50
119	128500	11.28	0.9	15.0	820	2.9	2	69	3	66	9	1.1	3	8	-5	2.77	34.0	0.38	-1	-1	28	-100	64	5.2	10.0	-3	-5	1.11	-500	1.0	0.8	10.0	-100	2	3.3	2.4	-50
120	128501	11.69	1.5	15.0	1000	1.5	1	69	3	74	10	1.0	-2	8	-5	3.09	32.0	0.36	-1	-1	28	-100	66	4.8	10.0	-3	-5	1.16	-500	1.2	0.6	10.0	-100	-1	3.4	2.3	-50
121	128502	18.16	2.5	17.0	520	0.8	-1	56	2	46	10	0.9	-2	7	-5	2.53	27.0	0.28	-1	-1	21	-100	53	3.9	6.8	-3	-5	1.08	-500	1.2	0.6	9.4	-100	1	2.3	1.8	-50
122	128503	12.08	1.0	10.0	880	1.2	1	68	3	70	9	1.0	-2	8	-5	2.75	34.0	0.36	-1	-3	27	-100	57	5.1	9.4	-3	-5	1.16	-500	1.2	0.6	9.3	-100	2	2.5	2.4	-50
123	128504	13.96	1.7	15.0	650	1.1	-1	50	2	56	8	0.7	-2	8	-5	2.88	25.0	0.28	-1	-1	22	-100	51	3.5	7.7	-3	-5	1.16	-500	1.2	-0.5	7.6	-100	1	2.6	1.8	-50
124	128505	11.08	1.4	11.0	1000	1.7	-1	60	3	73	8	0.9	-2	8	-5	2.89	30.0	0.35	-1	-3	25	-100	60	4.3	8.9	-3	-5	1.08	-500	1.3	0.8	7.8	-100	-1	3.0	2.3	66
125	128558	14.22	1.7	11.0	1200	0.8	1	82	3	75	10	1.3	-2	8	-5	3.16	41.0	0.41	-1	-1	34	-100	87	6.2	11.3	-3	-5	1.14	-500	1.2	0.8	13.0	-100	-1	3.8	2.7	-50
126	128559	10.12	2.1	10.0	1200	1.0	2	89	4	78	13	1.2	-2	7	-5	3.45	44.0	0.38	-1	-2	38	-100	100	6.3	11.8	-3	-5	1.00	-500	0.9	0.8	14.0	-100	-1	3.4	2.4	55
127	128560	11.44	1.7	8.8	1000	0.6	1	97	3	77	11	1.3	-2	8	-5	3.38	49.0	0.43	-1	-2	41	-100	120	7.0	12.0	-3	-5	1.22	-500	0.9	1.1	16.0	-100	-1	3.0	2.7	-50
128	128561	14.69	1.3	10.0	870	1.5	1	73	3	65	10	1.1	-2	8	-5	3.03	33.0	0.33	-1	-3	28	-100	74	4.9	10.0	-3	-5	1.66	-500	1.1	0.8	11.0	-100	2	2.6	2.1	-50
129	128562	9.35	1.4	7.2	950	3.2	2	72	3	63	10	1.1	-2	6	-5	2.72	36.0	0.33	-1	-1	30	-100	85	5.3	10.0	-3	-5	0.95	-500	0.7	0.8	12.0	-100	2	3.9	2.2	-50

Becquerel
A Maxxam Company

Submitted by : Tyrell Sutherland

Vancouver, BC, Canada, V6A 4A3
Date Received : 29-Aug-12
Date Reported : 24-Sep-12

T12-01773.0

6790 Kitimat Rd, Unit #4

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*ISO 17025
For Scope of Accreditation No. 422
Pour la portée d'accréditation no. 422

Acme file # :WHI12000579
Samples were run as received.
Analysis performed by Neutron Activation (Method BQ-NAA-1)
A negative result denotes "Less Than".
Note : Mo results are interfered with by Mo production from U fission.

#	Soil ID	Wt gram	Sb ppm	As ppm	Ba ppm	Br ppm	Ca %	Ce ppm	Cs ppm	Cr ppm	Co ppm	Eu ppm	Au ppb	Hf ppm	Ir ppb	Fe %	La ppm	Lu ppm	Hg ppm	Mo ppm	Nd ppm	Ni ppm	Rb ppm	Sm ppm	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	Ta ppm	Tb ppm	Th ppm	Sn ppm	W ppm	U ppm	Yb ppm	Zn ppm
130	128563	9.71	1.9	10.0	1100	2.5	2	81	3	72	11	1.2	-2	8	-5	2.97	41.0	0.43	-1	-4	36	-100	81	6.2	11.0	-3	-5	1.16	-500	1.1	1.0	12.0	-100	2	4.1	2.7	-50
131	128564	13.91	1.2	7.1	920	-0.5	-1	68	2	60	8	1.2	-2	8	-5	2.40	35.0	0.35	-1	-3	30	-100	55	5.0	8.7	-3	-5	1.15	-500	1.1	0.7	9.2	-100	2	2.7	2.3	-50
132	128565	14.16	2.5	11.0	880	1.9	-1	120	3	68	12	1.6	-2	8	-5	3.36	52.7	0.48	-1	-2	42	-100	85	7.9	11.5	-3	-5	1.20	-500	1.4	1.2	17.0	-100	-1	3.4	3.1	-50
133	128566	14.74	1.8	10.0	790	2.0	-1	77	3	60	9	1.3	-2	8	-5	2.77	42.0	0.42	-1	-1	30	-100	70	6.1	9.4	-3	-5	1.17	-500	1.2	0.8	13.0	-100	-1	3.1	2.6	-50
134	128567	14.90	1.9	11.0	890	0.7	-1	83	3	67	10	1.3	3	8	-5	3.13	42.0	0.43	-1	-4	36	-100	84	6.3	10.5	-3	-5	1.05	-500	1.1	0.8	13.0	-100	2	2.1	2.7	-50
135	128568	13.55	1.7	8.7	940	1.4	-1	84	3	66	10	1.3	-2	8	-5	2.97	41.0	0.41	-1	-2	35	-100	88	6.1	10.5	-3	-5	1.05	-500	1.4	0.8	13.0	-100	-1	2.9	2.5	-50
136	128569	14.84	2.7	15.0	1000	-0.5	1	85	3	77	9	1.3	-2	9	-5	2.98	42.0	0.41	-1	-2	35	-100	84	6.3	11.4	-3	-5	1.26	-500	1.4	0.9	11.0	-100	2	3.1	2.7	-50
137	128570	14.97	2.1	13.0	1100	1.0	-1	77	3	75	9	1.3	4	8	-5	3.16	40.0	0.43	-1	-2	36	-100	78	6.2	11.4	-3	-5	1.17	-500	1.0	1.0	12.0	-100	2	3.0	2.7	55
138	128571	13.86	2.4	13.0	1100	1.5	-1	90	3	84	11	1.3	-2	8	-5	3.27	45.0	0.45	-1	-2	37	-100	96	6.6	12.5	-3	-5	1.14	-500	1.3	0.8	13.0	-100	-1	3.9	2.6	55
139	128572	10.38	2.7	16.0	1000	0.9	1	77	4	76	11	1.3	-2	7	-5	3.14	39.0	0.37	-1	-1	30	-100	84	5.9	11.4	-3	-5	1.08	-500	0.9	0.7	12.0	-100	2	3.2	2.5	-50
140	128573	13.87	1.2	8.9	950	0.9	-1	100	5	82	14	1.6	-2	8	-5	3.80	56.7	0.45	-1	-2	39	-100	130	7.8	13.4	-3	-5	0.82	-500	1.7	1.1	19.0	-100	1	3.2	3.0	-50
141	128574	13.34	1.4	10.0	1000	-0.5	-1	100	5	81	15	1.5	-2	8	-5	4.05	54.4	0.43	-1	-2	38	-100	140	7.6	13.3	-3	-5	0.84	-500	1.5	1.0	18.0	-100	1	2.9	3.0	57
142	132772	10.83	7.3	16.0	1100	1.8	-1	88	4	77	9	1.3	-2	8	-5	3.17	47.0	0.41	-1	-4	36	-100	110	6.8	11.8	-3	-5	1.07	-500	1.0	0.9	15.0	-100	1	3.4	2.6	-50
143	132773	11.99	6.3	19.0	1200	-0.5	1	86	4	78	12	1.4	-2	8	-5	3.48	44.0	0.43	-1	-4	38	-100	89	6.6	11.6	-3	-5	1.13	-500	1.3	0.8	14.0	-100	-1	4.0	2.7	52
144	132774	11.08	11.3	19.0	1000	-0.5	1	98	4	77	17	1.5	-2	9	-5	3.56	50.2	0.45	-1	-4	41	-100	110	7.3	12.1	-3	-5	1.17	-500	1.3	0.9	17.0	-100	2	3.3	3.0	-50
145	132775	9.97	3.5	11.0	1100	1.1	1	76	3	74	10	1.2	-2	8	-5	2.87	38.0	0.41	-1	-4	32	-100	64	5.9	10.9	-3	-5	1.13	-500	0.7	0.8	11.0	-100	2	4.7	2.6	-50
146	132776	10.23	12.1	20.0	1100	1.8	1	94	4	82	11	1.5	-2	8	-5	3.49	51.2	0.45	-1	-2	38	-100	120	7.4	12.7	-3	-5	1.13	-500	1.0	0.7	17.0	-100	1	3.4	3.0	-50
147	132777	12.96	3.0	11.0	1300	0.5	1	77	3	81	9	1.4	-2	8	-5	3.01	40.0	0.42	-1	-4	32	-100	70	6.2	11.5	-3	-5	1.21	-500	1.2	0.9	11.0	-100	3	3.3	2.8	-50
148	132778	11.40	6.3	15.0	1300	2.1	2	91	4	80	13	1.4	-2	7	-5	3.52	47.0	0.44	-1	-4	39	-100	98	6.9	12.7	-3	-5	1.04	-500	1.1	1.1	15.0	-100	3	6.4	2.8	-50
149	132779	10.94	14.0	22.0	1100	0.9	-1	110	4	79	14	1.5	-2	8	-5	3.82	52.6	0.40	-1	-4	38	-100	120	6.9	12.9	-3	-5	1.14	-500	1.5	1.0	18.0	-100	2	3.4	2.7	-50
150	132780	12.93	5.1	16.0	1200	-0.5	1	81	4	79	13	1.4	-2	8	-5	3.38	41.0	0.41	-1	-4	33	-100	83	6.2	11.9	-3	-5	1.13	-500	1.4	1.0	12.0	-100	2	5.7	2.6	-50
151	132781	10.13	10.7	22.0	1100	-0.5	-1	95	4	77	13	1.4	-2	8	-5	3.82	47.0	0.41	-1	-2	40	-100	120	6.8	12.2	-3	-5	1.15	-500	0.8	1.0	16.0	-100	2	4.6	2.7	62
152	132782	11.40	20.9	26.0	1200	0.5	-1	110	5	86	14	1.3	6	8	-5	4.29	58.1	0.46	-1	-2	45	-100	140	8.1	14.4	-3	-5	1.08	-500	1.5	0.9	22.0	-100	2	3.4	3.1	-50
153	132783	12.06	5.5	14.0	1100	1.3	1	80	3	80	10	1.4	-2	8	-5	3.08	42.0	0.39	-1	-4	31	-100	85	6.2	11.4	-3	-5	1.13	-500	1.3	0.8	12.0	-100	3	3.4	2.7	52
154	132784	11.79	14.8	21.0	1100	2.2	-1	97	4	84	12	1.4	-2	8	-5	3.56	51.0	0.45	-1	-2	40	-100	120	7.3	13.1	-3	-5	1.11	-500	0.9	1.0	17.0	-100	2	4.3	3.0	-50
155	132785	12.65	12.9	20.0	1100	0.8	-1	89	4	79	11	1.5	-2	8	-5	3.41	47.0	0.43	-1	-4	41	-100	100	6.9	12.9	-3	-5	1.10	-500	1.1	0.9	15.0	-100	1	3.8	2.9	-50
156	132786	8.76	4.5	16.0	1200	1.9	1	100	4	90	12	1.5	-2	8	-5	4.04	54.0	0.45	-1	-5	45	-100	140	7.7	14.3	-3	-5	1.14	-500	0.9	0.8	19.0	-100	-1	5.1	3.0	57
157	132787	14.01	5.7	23.0	1200	1.0	1	92	3	84	11	1.5	-2	8	-5	3.54	49.0	0.46	-1	-4	38	-100	98	7.3	12.8	-3	-5	1.18	-500	1.2	0.8	15.0	-100	-1	3.4	3.0	63
158	132788	13.12	7.1	21.0	1200	-0.5	1	80	3	80	9	1.2	-2	8	-5	3.28	40.0	0.40	-1	-4	35	-100	95	5.9	11.9	-3	-5	1.24	-500	1.5	0.9	14.0	-100	-1	3.9	2.5	-50
159	132789	11.80	4.8	14.0	1200	2.4	1	85	4	79	10	1.3	-2	8	-5	3.05	42.0	0.39	-1	-4	35	-100	98	6.3	11.9	-3	-5	1.12	-500	1.5	0.8	14.0	-100	1	4.3	2.6	58
160	132790	11.69	5.6	15.0	1200	1.0	1	86	4	82	10	1.4	-2	8	-5	3.19	42.0	0.39	-1	-2	33	-100	92	6.2	12.0	-3	-5	1.12	-500	1.1	0.7	14.0	-100	2	4.8	2.6	58
161	132791	8.84	6.0	16.0	1200	1.3	-1	100	5	83	13	1.4	5	8	-5	3.59	52.2	0.45	-1	-3	48	-100	110	7.5	13.1	-3	-5	1.04	-500	1.3	0.9	18.0	-100	2	4.5	2.8	52
162	132792	11.34	3.5	14.0	1300	-0.5	-1	99	4	85	13	1.5	-2	8	-5	3.91	50.9	0.45	-1	-2	39	-100	130	7.4	13.5	-3	-5	1.21	-500	1.3	1.0	18.0	-100	2	4.3	2.8	57
163	132793	11.38	1.6	10.0	1300	1.9	1	79	3	79	10	1.4	15	7	-5	3.04	41.0	0.42	-1	-4	34	-100	71	6.4	11.6	-3	-5	1.16	-500	1.1	1.1	11.0	-100	-1	4.5	2.6	-50
164	132794	11.18	5.8	24.0	1300	2.2	1	99	4	79	14	1.6	-2	8	-5	3.80	52.1	0.48	-1	-2	40	-100	110	7.8	13.1	-3	-5	1.09	-500	1.5	1.0	16.0	-100	1	3.7	3.2	57
165	132795	10.71	3.6	16.0	1100	1.6	4	92	4	76	12	1.3	-2	7	-5	3.53	46.0	0.38	-1	-4	39	-100	120	6.7	12.0	-3	-5	1.05	-500	1.4	0.9	16.0	-100	2	2.9	2.5	57
166	132796	13.51	2.4	14.0	1200	1.6	2	74	3	75	11	1.3	-2	8	-5	3.23	40.0	0.42	-1	-1	27	-100	79	6.1	11.6	-3	-5	1.21	-500	1.2	0.9	11.0	-100	1	3.9	2.8	50
167	132797	15.17	1.9	14.0	1200	1.3	2	72	3	73	11	1.2	3	8	-5	3.13	38.0	0.39	-1	-3	27	-100	70	6.0	11.1	-3	-5	1.13	-500	1.1	0.8	11.0	-100	1	3.1	2.7	50
168	132798	11.68	2.3	13.0	1200	-0.5	1	81	3	74	11	1.4	-2	8	-5	3.19	42.0	0.40	-1	-4	33	-100	86	6.3	11.7	-3	-5	1.11	-500	1.4	0.8	13.0	-100	1	4.1	2.6	59
169	132799	12.34	1.6	12.0	1100	2.1	2	68	3	73	11	1.1	-2	8	-5	2.88	36.0	0.37	-1	-4	27	-100	63	5.4	10.8	-3	-5	1.10	-500	0.9	0.8	10.0	-100	1	4.9	2.4	-50
170	132800	11.18	3.2	14.0	2100	3.2	1	140	4	78	11	1.2	-2	5	-5	4.60	37.0	0.28	-1	-4	29	-100	150	6.2	10.5	-3	-5	0.63	-500	0.6	0.8	22.8	-100	2	4.2	1.9	67
171	132801	13.79	1.4	11.0	1000	0.9	1	73	3	77	10	1.1	-2	8	-5	3.02	36.0	0.37	-1	-1	27	-100	69	5.2	10.6	-3	-5	1.18	-500	1.1	0.9	10.0	-100	-1	3.2	2.4	-50
172	132802	12.63	2.1	11.0	1000	-0.5	-1	77	3	67	9	1.3	-2	8	-5	2.87	42.0	0.40	-1	-1	35	-100	79	6.1	10.5	-3	-5	1.18	-500	1.4	0.6	11.0	-100	-1	3.7	2.6	-50

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Acme file # :WHI12000579
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#	Soil ID	Wt gram	Sb ppm	As ppm	Ba ppm	Br ppm	Ca %	Ce ppm	Cs ppm	Cr ppm	Co ppm	Eu ppm	Au ppb	Hf ppm	Ir ppb	Fe %	La ppm	Lu ppm	Hg ppm	Mo ppm	Nd ppm	Ni ppm	Rb ppm	Sm ppm	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	Ta ppm	Tb ppm	Th ppm	Sn ppm	W ppm	U ppm	Yb ppm	Zn ppm
173	132803	12.00	2.3	19.0	1000	1.9	5	83	4	74	12	1.2	-2	7	-5	3.53	42.0	0.39	-1	-2	34	-100	91	6.1	11.5	-3	-5	1.03	-500	1.2	0.7	15.0	-100	2	3.8	2.4	52
174	132804	12.45	1.6	12.0	1200	2.5	1	83	4	80	11	1.4	-2	8	-5	3.29	45.0	0.44	-1	-4	36	-100	87	6.7	12.1	-3	-5	1.12	-500	1.3	0.8	13.0	-100	1	3.6	2.8	-50
175	132805	10.41	1.0	8.8	1000	4.0	-1	91	5	90	12	1.3	-2	8	-5	3.80	47.0	0.39	-1	-4	38	-100	120	6.3	13.7	-3	-5	1.17	-500	1.4	1.1	15.0	-100	-1	3.8	2.6	57
176	132806	14.27	1.2	10.0	980	1.5	1	87	4	88	11	1.2	-2	9	-5	3.32	43.0	0.43	-1	-4	34	-100	77	6.2	13.0	-3	-5	1.24	-500	1.3	0.8	12.0	-100	2	3.4	2.8	-50
177	132807	14.07	1.1	11.0	990	3.1	1	80	4	88	10	1.2	-2	9	-5	3.33	41.0	0.42	-1	-2	32	-100	81	5.9	12.6	-3	-5	1.11	-500	1.3	0.8	11.0	-100	-1	3.4	2.8	-50
178	132808	13.83	1.4	8.7	1100	1.7	1	95	4	82	10	1.4	-2	9	-5	3.28	48.0	0.48	-1	-4	39	-100	91	7.1	12.7	-3	-5	1.12	-500	1.0	1.1	13.0	-100	2	3.6	3.1	59
179	132809	10.86	1.0	9.3	1100	0.7	1	160	6	99	21	2.3	-2	9	-5	4.60	78.4	0.59	-1	-3	59	-100	150	10.7	17.2	-3	-5	1.28	-500	1.2	1.1	23.7	-100	-1	3.8	3.9	62
180	132810	10.67	1.2	12.0	980	5.7	-1	85	4	94	10	1.3	-2	8	-5	3.90	42.0	0.43	-1	-4	32	-100	92	5.7	12.6	-3	-5	1.01	-500	1.3	0.8	13.0	-100	3	3.7	2.7	-50
181	132811	12.31	1.2	10.0	1000	1.7	-1	84	4	90	9	1.3	-2	9	-5	3.28	42.0	0.43	-1	-4	34	-100	84	6.0	12.7	-3	-5	1.15	-500	1.3	0.9	11.0	-100	-1	3.1	2.8	55
182	132812	12.48	1.3	11.0	1000	2.5	1	92	4	91	12	1.2	-2	9	-5	3.49	44.0	0.42	-1	-4	33	-100	78	6.0	12.9	-3	-5	1.15	-500	1.2	0.6	14.0	-100	2	4.0	2.7	61
183	132813	11.58	1.2	10.0	990	1.9	1	77	3	88	9	1.2	-2	10	-5	3.28	38.0	0.43	-1	-5	31	-100	73	5.6	11.7	-3	-5	1.17	-500	1.6	0.6	11.0	-100	-1	3.6	2.7	53
184	132814	12.46	1.2	11.0	1200	0.9	1	89	3	87	12	1.6	-2	10	-5	3.42	43.0	0.50	-1	-5	37	-100	75	6.7	12.6	-3	-5	1.24	-500	1.5	0.9	12.0	-100	2	4.0	3.1	74
185	132815	11.04	1.3	13.0	1300	0.7	1	96	5	87	14	1.7	-2	9	-5	3.73	50.0	0.49	-1	-5	41	-100	93	7.5	13.5	-3	-5	1.08	-500	0.6	1.1	14.0	-100	1	7.1	3.2	74
186	132816	11.38	1.0	8.6	1200	2.1	-1	90	5	93	14	1.4	-2	9	-5	3.91	45.0	0.44	-1	-4	37	-100	110	6.6	14.4	-3	-5	1.08	-500	1.2	0.8	15.0	-100	2	4.6	2.9	64
187	132817	10.68	1.1	8.9	970	2.6	1	90	4	81	12	1.3	-2	8	-5	3.34	46.0	0.43	-1	-5	36	-100	84	6.8	12.4	-3	-5	1.04	-500	1.4	1.0	14.0	-100	-1	6.0	2.8	51
188	132818	9.63	1.2	7.6	1200	4.6	2	110	4	91	13	1.7	-2	8	-5	3.60	55.3	0.45	-1	-5	44	-100	120	7.9	14.9	-3	-5	1.06	-500	1.3	0.9	17.0	-100	2	6.4	3.0	78
189	132819	9.31	0.9	8.6	1200	4.6	1	120	4	91	14	1.7	-2	8	-5	3.81	59.5	0.48	-1	-5	50	-100	120	8.5	15.1	-3	-5	1.07	-500	1.5	1.1	17.0	-100	-1	4.7	3.2	70
190	132820	9.44	0.8	6.3	1100	2.7	-1	110	4	88	14	1.6	12	8	-5	4.01	55.2	0.45	-1	-5	43	-100	110	8.0	14.7	-3	-5	1.07	-500	1.4	1.2	17.0	-100	-1	5.9	2.9	55
191	132821	9.68	0.8	6.5	1100	1.9	2	95	4	81	14	1.4	-2	8	-5	3.51	46.0	0.43	-1	-4	39	-100	94	6.7	13.7	-3	-5	1.06	-500	1.4	1.0	14.0	-100	2	4.9	2.8	90
192	132822	10.18	1.0	6.2	1200	1.5	1	94	3	85	13	1.5	-2	8	-5	3.32	50.0	0.45	-1	-2	37	-100	99	7.2	13.8	-3	-5	1.06	-500	1.6	0.9	14.0	-100	2	4.9	2.9	66
193	132823	10.89	1.1	10.0	1300	1.1	-1	110	4	93	18	1.7	-2	8	-5	3.84	52.8	0.48	-1	-5	47	-100	120	7.7	15.6	-3	-5	1.05	-500	1.4	1.1	16.0	-100	-1	4.3	3.0	60
194	132824	14.38	1.3	11.0	850	1.6	-1	86	3	64	10	1.2	-2	9	-5	2.97	43.0	0.38	-1	-4	36	-100	68	6.2	10.0	-3	-5	1.04	-500	1.0	1.0	12.0	-100	2	4.1	2.7	64
195	132825	14.80	1.7	13.0	780	-0.5	-1	87	3	60	10	1.4	-2	9	-5	3.03	45.0	0.44	-1	-1	36	-100	72	6.5	10.0	-3	-5	1.00	-500	1.3	0.9	12.0	-100	1	3.4	2.9	60
196	132826	10.92	1.3	12.0	1000	2.9	1	75	3	68	9	1.2	-2	9	-5	2.70	38.0	0.41	-1	-4	32	-100	63	5.6	10.1	-3	-5	1.10	-500	0.8	0.7	10.0	-100	-1	6.0	2.6	58
197	132827	12.40	1.6	11.0	910	1.0	1	80	3	66	9	1.3	3	9	-5	2.82	40.0	0.41	-1	-4	34	-100	66	5.8	10.4	-3	-5	1.13	-500	0.6	1.0	11.0	-100	2	4.6	2.6	53
198	132828	15.84	2.9	11.0	540	-0.5	-1	86	2	46	9	1.3	-2	10	-5	2.51	43.0	0.43	-1	-4	31	-100	58	6.1	7.8	-3	-5	1.18	-500	1.2	0.8	13.0	-100	1	3.2	2.8	-50
199	132829	11.41	2.0	14.0	870	0.9	-1	100	3	73	11	1.5	-2	9	-5	3.50	53.2	0.48	-1	-2	41	-100	110	7.3	12.5	-3	-5	1.15	-500	1.4	0.9	17.0	-100	3	3.9	3.0	64
200	132830	10.24	0.3	6.3	1300	0.7	-1	150	4	110	17	1.7	-2	9	-5	4.39	64.3	0.48	-1	-3	51	-100	210	8.7	17.6	-3	-5	1.67	-500	1.2	1.6	26.1	-100	-1	5.6	3.0	130
201	132831	11.21	3.5	32.0	640	-0.5	1	89	2	62	13	1.2	13	9	-5	3.46	44.0	0.44	-1	-2	35	-100	81	6.0	10.0	-3	-5	1.24	-500	1.4	0.8	14.0	-100	-1	3.1	2.9	62
202	132832	12.15	1.5	14.0	1000	0.9	-1	95	4	78	11	1.3	-2	9	-5	3.52	50.3	0.47	-1	-5	38	-100	100	7.1	12.9	-3	-5	1.33	-500	0.9	1.0	15.0	-100	-1	3.2	3.1	60
203	132905	12.78	1.6	38.0	800	1.3	1	73	3	63	10	1.1	-2	8	-5	2.84	35.0	0.35	-1	-2	28	-100	62	5.1	9.2	-3	-5	1.09	-500	0.7	0.7	11.0	-100	-1	4.0	2.3	51
204	132906	11.04	1.9	30.0	920	0.7	1	85	3	71	10	1.3	-2	9	-5	2.91	42.0	0.46	-1	-2	37	-100	74	6.4	11.0	-3	-5	1.20	-500	1.2	0.9	12.0	-100	2	3.4	2.9	57
205	132907	13.98	1.3	18.0	910	1.6	1	82	2	69	10	1.3	8	10	-5	2.94	41.0	0.46	-1	-2	33	-100	52	6.3	10.0	-3	-5	1.11	-500	1.3	0.8	11.0	-100	-1	3.6	2.9	52
206	132908	13.45	1.1	12.0	850	1.0	1	75	2	65	7	1.2	-2	9	-5	2.45	37.0	0.38	-1	-4	30	-100	58	5.4	9.2	-3	-5	1.08	-500	1.2	0.9	10.0	-100	-1	3.3	2.5	52
207	132909	8.96	0.9	11.0	880	1.2	2	89	3	71	11	1.5	-2	9	-5	2.76	40.0	0.42	-1	-5	38	-100	91	6.2	10.8	-3	-5	1.65	-500	0.9	0.8	14.0	-100	-1	3.2	2.5	55
208	132910	11.31	1.1	15.0	820	1.8	1	67	2	61	8	1.1	-2	8	-5	2.47	36.0	0.35	-1	-1	25	-100	65	5.6	9.0	-3	-5	1.11	-500	1.0	0.8	11.0	-100	1	3.3	2.3	-50
209	132911	8.81	0.8	15.0	840	4.1	2	74	4	65	9	1.3	-2	7	-5	2.75	41.0	0.37	-1	-4	32	-100	86	6.3	10.0	-3	-5	0.94	-500	1.2	0.9	13.0	-100	1	4.8	2.4	-50
210	137047	11.32	3.4	22.0	1100	-0.5	-1	78	3	73	11	1.3	-2	7	-5	2.72	41.0	0.39	-1	-4	28	-100	86	6.5	11.3	-3	-5	1.05	-500	1.8	0.8	12.0	-100	2	5.8	2.5	56
211	137048	10.40	3.0	16.0	780	4.2	3	73	4	58	11	1.2	-2	7	-5	2.52	38.0	0.36	-1	-5	28	-100	75	6.0	9.3	-3	-5	0.94	-500	1.5	0.8	12.0	-100	2	14.0	2.4	64
212	137049	13.13	2.7	36.0	990	1.1	1	73	3	67	11	1.3	-2	8	-5	3.05	39.0	0.38	-1	-1	28	-100	60	6.4	10.3	-3	-5	1.18	-500	1.3	0.9	11.0	-100	1	3.8	2.5	-50
213	137050	12.32	4.7	67.5	860	-0.5	-1	90	5	71	13	1.2	-2	9	-5	3.39	43.0	0.36	-1	-4	30	-100	100	6.3	11.1	-3	-5	0.93	-500	2.2	0.9	16.0	-100	2	3.5	2.3	-50
214	137051	11.00	4.1	56.5	860	1.4	1	85	4	66	12	1.2	-2	8	-5	3.07	44.0	0.40	-1	-1	33	-100	95	6.7	10.6	-3	-5	0.90	-500	1.0	0.9	15.0	-100	2	4.0	2.6	50
215	137052	11.09	5.3	68.8	1000	-0.5	1	99	4	77	15	1.5	-2	9	-5	3.81	52.0	0.41	-1	-2	41	-100	120	7.8	12.3	-3	-5	0.95	-500	1.3	1.1	18.0	-100	2	4.0	2.8	54

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A negative result denotes "Less Than".
Note : Mo results are interfered with by Mo production from U fission.

#	Soil ID	Wt gram	Sb ppm	As ppm	Ba ppm	Br ppm	Ca %	Ce ppm	Cs ppm	Cr ppm	Co ppm	Eu ppm	Au ppb	Hf ppm	Ir ppb	Fe %	La ppm	Lu ppm	Hg ppm	Mo ppm	Nd ppm	Ni ppm	Rb ppm	Sm ppm	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	Ta ppm	Tb ppm	Th ppm	Sn ppm	W ppm	U ppm	Yb ppm	Zn ppm
216	137053	8.46	4.8	36.0	980	3.2	2	90	4	73	13	1.5	-2	7	-5	3.42	48.0	0.43	-1	-2	37	-100	100	7.6	11.9	-3	-5	0.80	-500	1.3	1.2	16.0	-100	-1	4.2	2.8	-50
217	137054	10.25	4.5	37.0	1000	1.4	1	100	4	72	13	1.3	-2	9	-5	3.45	51.1	0.46	-1	-4	37	-100	110	7.8	12.2	-3	-5	1.00	-500	1.7	0.8	17.0	-100	2	5.8	2.9	-50
218	137055	10.80	5.5	32.0	890	1.8	1	92	3	65	11	1.4	-2	8	-5	3.18	48.0	0.44	-1	-4	34	-100	91	7.2	10.9	-3	-5	1.00	-500	1.4	0.9	15.0	-100	2	5.0	2.8	-50
219	137056	8.34	1.2	11.0	1100	5.1	2	74	3	72	12	1.2	-2	7	-5	3.07	38.0	0.38	-1	-4	29	-100	75	6.1	11.0	-3	-5	1.05	-500	1.2	0.7	11.0	-100	2	4.5	2.4	77
220	137057	10.63	3.3	22.0	1000	1.2	1	89	3	71	11	1.5	-2	8	-5	3.14	45.0	0.42	-1	-4	35	-100	89	7.1	11.6	-3	-5	1.06	-500	1.3	1.0	14.0	-100	3	5.0	2.8	-50
221	137058	11.49	3.4	22.0	1000	-0.5	1	89	4	74	12	1.4	-2	8	-5	3.12	46.0	0.43	-1	-2	38	-100	91	7.1	11.6	-3	-5	1.12	-500	1.6	1.0	15.0	-100	-1	4.0	2.8	-50
222	137059	11.07	2.1	18.0	770	2.4	1	79	3	62	10	1.3	-2	9	-5	2.67	40.0	0.40	-1	-4	34	-100	60	6.3	9.3	-3	-5	1.13	-500	1.6	1.0	12.0	-100	1	5.3	2.6	-50
223	137060	9.75	2.6	27.0	990	4.4	1	80	3	71	11	1.3	-2	6	-5	3.33	40.0	0.36	-1	-4	33	-100	96	6.3	11.3	-3	-5	0.94	-500	1.3	0.8	13.0	-100	2	6.2	2.5	61
224	137061	8.88	2.0	16.0	860	3.9	2	73	3	60	10	1.1	-2	5	-5	2.61	36.0	0.33	-1	-4	33	-100	82	5.7	10.0	-3	-5	1.00	-500	1.4	0.8	11.0	-100	-1	6.6	2.1	52
225	137062	8.69	1.6	15.0	730	4.1	2	66	3	54	9	1.1	-2	6	-5	2.37	36.0	0.34	-1	-4	28	-100	63	5.4	8.7	-3	-5	0.91	-500	1.0	0.6	10.0	-100	-1	4.6	2.2	-50
226	137063	10.08	2.0	21.0	690	4.0	2	72	2	51	8	1.1	-2	8	-5	2.53	37.0	0.37	-1	-4	31	-100	61	5.7	8.1	-3	-5	1.02	-500	1.4	0.7	11.0	-100	1	5.5	2.4	-50
227	137064	14.57	3.8	100.0	660	-0.5	-1	95	2	55	11	1.3	-2	11	-5	2.95	48.0	0.42	-1	-4	36	-100	63	7.0	8.3	-3	-5	0.94	-500	1.8	0.7	14.0	-100	2	4.1	2.8	-50
228	137065	9.47	2.1	21.0	730	4.5	2	76	3	57	11	1.2	4	7	-5	2.69	38.0	0.41	-1	-4	32	-100	76	6.0	8.9	-3	-5	1.02	-500	1.2	0.8	12.0	-100	2	7.2	2.6	55
229	137066	11.14	1.2	11.0	670	4.1	2	65	2	52	8	1.0	8	8	-5	2.19	33.0	0.37	-1	-4	31	-100	59	5.2	7.8	-3	-5	1.05	-500	1.0	0.6	9.3	-100	1	4.4	2.3	50
230	137067	10.73	1.8	20.0	860	1.3	1	86	3	65	11	1.3	-2	8	-5	3.06	42.0	0.41	-1	-4	32	-100	88	6.4	10.4	-3	-5	1.08	-500	1.3	0.9	14.0	-100	3	5.4	2.7	53
231	137068	10.47	0.9	14.0	880	3.4	2	68	3	70	9	1.0	-2	7	-5	2.69	32.0	0.34	-1	-1	26	-100	68	4.9	10.3	-3	-5	1.09	-500	1.2	0.6	10.0	-100	-1	3.8	2.2	53
232	137069	10.95	1.9	16.0	890	1.6	1	77	3	66	10	1.2	-2	7	-5	2.71	38.0	0.39	-1	-4	32	-100	78	5.9	10.4	-3	-5	1.09	-500	1.5	0.8	12.0	-100	-1	3.7	2.5	52
233	137070	11.27	2.7	34.0	800	1.4	1	87	3	64	13	1.3	-2	8	-5	3.22	43.0	0.43	-1	-1	32	-100	79	6.3	10.2	-3	-5	1.12	-500	1.1	1.1	14.0	-100	2	3.4	2.8	61
234	137071	11.82	2.0	18.0	930	1.4	1	82	3	68	12	1.3	5	9	-5	3.09	42.0	0.44	-1	-1	34	-100	72	6.3	10.5	-3	-5	1.11	-500	1.1	0.9	12.0	-100	-1	4.0	2.8	-50
235	137072	11.60	2.8	27.0	870	1.9	1	81	3	68	13	1.2	-2	8	-5	3.26	42.0	0.41	-1	-1	32	-100	92	6.2	10.9	-3	-5	1.06	-500	1.3	0.8	14.0	-100	-1	3.6	2.7	51
236	137073	12.13	2.2	20.0	830	1.3	1	85	3	66	10	1.3	-2	9	-5	2.74	42.0	0.42	-1	-4	30	-100	80	6.2	10.2	-3	-5	1.16	-500	1.2	0.9	13.0	-100	1	4.0	2.7	51
237	137074	9.25	2.1	25.0	990	2.2	2	72	3	67	12	1.2	-2	7	-5	3.43	36.0	0.38	-1	-4	28	-100	78	5.5	10.6	-3	-5	1.03	-500	0.7	0.8	11.0	-100	-1	6.1	2.4	-50
238	137075	12.92	1.7	19.0	700	1.3	1	84	2	59	12	1.3	-2	9	-5	2.98	43.0	0.41	-1	-4	35	-100	65	6.2	9.3	-3	-5	1.04	-500	1.3	0.8	13.0	-100	2	3.0	2.8	-50
239	137076	15.11	1.6	14.0	650	1.2	1	62	2	56	10	1.0	-2	8	-5	2.49	32.0	0.35	-1	-3	24	-100	49	4.8	8.0	-3	-5	1.19	-500	1.0	0.6	9.5	-100	-1	2.4	2.3	-50
240	137077	14.99	2.5	26.0	860	-0.5	2	95	3	73	13	1.4	-2	11	-5	3.19	49.0	0.49	-1	-4	37	-100	73	7.1	10.5	-3	-5	1.24	-500	1.6	1.0	14.0	-100	2	3.3	3.1	52
241	137078	10.63	2.5	29.0	890	1.0	-1	90	3	69	13	1.3	-2	8	-5	3.56	44.0	0.41	-1	-4	36	-100	85	6.5	10.9	-3	-5	1.11	-500	1.0	1.0	14.0	-100	3	4.4	2.7	61
242	137157	13.20	2.5	14.0	1400	0.6	2	77	3	90	13	1.3	-2	8	-5	3.57	40.0	0.44	-1	-4	28	-100	76	6.3	12.5	-3	-5	1.27	-500	1.1	0.9	11.0	-100	1	3.6	2.8	71
243	137158	17.46	2.5	15.0	1200	0.9	1	72	3	78	11	1.4	3	9	-5	3.27	40.0	0.43	-1	-4	33	-100	65	6.2	11.0	-3	-5	1.13	-500	1.0	0.8	11.0	-100	-1	3.6	2.8	69
244	137159	12.38	3.4	20.0	1100	1.0	-1	97	3	80	10	1.5	-2	9	-5	3.18	51.8	0.45	-1	-4	44	-100	110	7.3	12.4	-3	-5	1.13	-500	1.2	1.0	15.0	-100	2	3.4	2.9	-50
245	137160	12.75	3.3	17.0	910	-0.5	-1	97	3	70	9	1.4	-2	9	-5	2.96	49.0	0.45	-1	-4	40	-100	91	7.2	11.5	-3	-5	1.08	-500	1.4	0.9	13.0	-100	-1	3.6	3.0	-50
246	137161	12.91	2.7	26.0	1100	1.5	1	92	3	74	10	1.5	-2	8	-5	3.24	48.0	0.46	-1	-2	40	-100	90	7.1	11.9	-3	-5	1.16	-500	1.0	0.9	14.0	-100	1	3.4	2.9	-50
247	137162	9.88	3.3	20.0	1100	0.6	-1	110	4	95	11	1.5	-2	8	-5	3.66	55.0	0.40	-1	-2	39	-100	140	7.4	14.1	-3	-5	1.03	-500	1.3	0.8	14.0	-100	2	2.8	2.7	-50
248	137163	11.43	2.6	17.0	870	1.2	-1	100	3	88	10	1.3	-2	9	-5	3.76	51.3	0.44	-1	-2	37	-100	110	7.2	12.9	-3	-5	1.11	-500	1.2	0.9	16.0	-100	3	3.5	2.8	-50
249	137164	14.96	4.9	24.0	960	0.6	-1	100	3	69	12	1.5	-2	9	-5	3.77	51.4	0.46	-1	-4	40	-100	99	7.5	11.8	-3	-5	1.13	-500	1.2	1.0	17.0	-100	2	3.1	3.1	-50
250	137165	16.81	2.6	15.0	1400	-0.5	1	73	3	74	12	1.2	-2	9	-5	3.09	38.0	0.42	-1	-1	31	-100	53	6.0	10.6	-3	-5	1.20	-500	1.3	1.0	10.0	-100	2	3.2	2.7	67
251	137166	12.66	4.3	20.0	1200	-0.5	1	87	3	77	12	1.4	-2	9	-5	3.27	43.0	0.44	-1	-2	36	-100	84	6.5	11.6	-3	-5	1.17	-500	1.1	1.1	13.0	-100	3	3.4	2.7	58
252	137167	10.78	15.4	25.0	1100	-0.5	-1	110	6	93	11	1.3	-2	11	-5	3.95	54.0	0.40	-1	-3	42	-100	170	7.6	15.0	-3	-5	2.34	-500	0.6	0.9	22.1	-100	-1	4.1	2.5	96
253	137168	14.88	6.7	25.0	980	-0.5	-1	91	4	71	12	1.5	-2	8	-5	3.47	48.0	0.43	-1	-4	38	-100	110	6.8	11.7	-3	-5	1.10	-500	1.2	1.1	16.0	-100	-1	3.6	2.9	52
254	137169	12.07	3.8	19.0	920	1.5	1	77	3	63	9	1.2	-2	8	-5	2.88	40.0	0.39	-1	-4	32	-100	76	5.9	10.0	-3	-5	1.04	-500	1.7	0.8	13.0	-100	2	4.8	2.5	-50
255	137170	12.51	4.5	18.0	920	1.0	1	90	4	72	12	1.3	7	7	-5	3.41	47.0	0.40	-1	-1	36	-100	110	6.7	11.5	-3	-5	1.00	-500	1.3	0.9	16.0	-100	1	3.4	2.5	56
256	137171	12.66	4.1	23.0	980	-0.5	1	81	3	69	10	1.2	-2	8	-5	3.06	42.0	0.42	-1	-1	33	-100	92	6.3	11.0	-3	-5	1.10	-500	0.9	1.0	14.0	-100	3	3.3	2.6	-50
257	137172	10.20	6.6	41.0	1300	1.7	2	110	5	90	15	1.5	-2	7	-5	4.08	61.3	0.44	-1	-2	50	-100	150	8.7	13.8	-3	-5	0.90	-500	1.2	1.2	20.1	-100	2	3.8	3.0	-50
258	137173	12.32	1.2	22.0	700	4.4	2	63	2	56	10	0.9	-2	8	-5	2.33	31.0	0.34	-1	-1	25	-100	58	4.7	7.9	-3	-5	1.02	-500	1.0	0.7	10.0	-100	-1	3.9	2.2	-50

Becquerel
A Maxxam Company

Submitted by : Tyrell Sutherland

Vancouver, BC, Canada, V6A 4A3
Date Received : 29-Aug-12
Date Reported : 24-Sep-12

T12-01773.0

6790 Kitimat Rd, Unit #4

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*ISO 17025
For Scope of Accreditation No. 422
Pour la portée d'accréditation no. 422

Acme file # :WHI12000579
Samples were run as received.
Analysis performed by Neutron Activation (Method BQ-NAA-1)
A negative result denotes "Less Than".
Note : Mo results are interfered with by Mo production from U fission.

#	Soil ID	Wt gram	Sb ppm	As ppm	Ba ppm	Br ppm	Ca %	Ce ppm	Cs ppm	Cr ppm	Co ppm	Eu ppm	Au ppb	Hf ppm	Ir ppb	Fe %	La ppm	Lu ppm	Hg ppm	Mo ppm	Nd ppm	Ni ppm	Rb ppm	Sm ppm	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	Ta ppm	Tb ppm	Th ppm	Sn ppm	W ppm	U ppm	Yb ppm	Zn ppm
259	137174	8.98	1.2	30.0	790	3.2	2	69	2	60	10	1.2	-2	7	-5	2.52	36.0	0.41	-1	-4	30	-100	61	5.5	9.4	-3	-5	1.05	-500	0.8	1.0	10.0	-100	-1	3.0	2.6	51
260	137175	10.70	1.1	17.0	860	2.6	2	72	3	63	8	1.2	-2	9	-5	2.48	35.0	0.38	-1	-1	30	-100	53	5.4	9.2	-3	-5	1.06	-500	1.0	0.9	10.0	-100	1	3.4	2.6	-50
261	137176	10.41	1.0	21.0	740	3.6	2	65	2	59	9	1.0	-2	8	-5	2.23	32.0	0.36	-1	-1	28	-100	55	4.9	8.4	-3	-5	1.06	-500	1.0	0.6	9.2	-100	1	3.8	2.3	-50
262	137241	13.90	1.8	11.0	1300	1.3	1	80	3	75	11	1.4	-2	8	-5	3.05	41.0	0.45	-1	-4	34	-100	64	6.4	11.8	-3	-5	1.22	-500	1.4	0.9	11.0	-100	2	5.8	2.9	51
263	137242	10.20	1.1	9.1	1100	1.9	1	70	3	72	8	1.1	-2	8	-5	2.80	35.0	0.40	-1	-4	28	-100	65	5.3	10.5	-3	-5	1.14	-500	1.2	0.7	9.4	-100	-1	3.8	2.4	-50
264	137243	10.35	1.0	10.0	1300	-0.5	1	100	4	93	13	1.8	-2	8	-5	3.71	61.2	0.48	-1	-5	48	-100	120	8.5	14.6	-3	-5	1.18	-500	1.0	1.2	18.0	-100	2	5.8	3.1	51
265	137244	10.64	1.0	6.3	1000	1.5	1	65	3	69	8	1.1	4	7	-5	2.46	33.0	0.36	-1	-4	31	-100	56	5.0	10.3	-3	-5	1.19	-500	1.0	0.7	9.0	-100	1	3.4	2.2	-50
266	137245	11.50	1.7	12.0	1100	1.5	1	70	3	73	11	1.1	-2	8	-5	3.04	36.0	0.39	-1	-4	28	-100	66	5.5	10.7	-3	-5	1.22	-500	1.3	0.8	10.0	-100	2	3.7	2.6	59
267	137246	10.70	1.0	7.0	940	1.0	-1	97	3	71	8	1.4	-2	10	-5	2.52	50.0	0.44	-1	-4	41	-100	87	7.0	11.1	-3	-5	1.35	-500	1.4	1.3	15.0	-100	3	4.1	2.8	50
268	137247	11.35	1.2	6.7	1200	2.3	1	70	3	72	9	1.2	-2	6	-5	2.26	35.0	0.37	-1	-4	28	-100	65	5.5	11.1	-3	-5	1.11	-500	1.2	0.9	10.0	-100	-1	5.0	2.4	-50
269	137248	11.95	1.3	11.0	940	1.7	1	86	3	67	11	1.3	-2	8	-5	3.13	43.0	0.40	-1	-4	34	-100	77	6.3	10.8	-3	-5	1.32	-500	1.2	0.8	14.0	-100	-1	4.9	2.6	63
270	137249	11.56	1.5	11.0	930	2.0	-1	97	3	74	13	1.4	-2	8	-5	3.67	50.4	0.44	-1	-2	39	-100	100	7.1	11.8	-3	-5	1.17	-500	1.4	0.9	17.0	-100	2	3.0	2.8	80
271	137250	11.01	2.3	18.0	1000	1.4	2	73	3	65	11	1.2	-2	7	-5	3.18	36.0	0.40	-1	-4	31	-100	70	5.5	10.4	-3	-5	1.14	-500	1.0	0.9	11.0	-100	-1	5.7	2.5	58
272	137251	10.16	3.3	7.7	1100	2.2	2	65	3	66	10	1.0	-2	5	-5	2.43	32.0	0.34	-1	-5	28	-100	66	4.9	10.4	-3	-5	1.01	-500	0.7	0.7	9.3	-100	2	11.0	2.3	62
273	137252	11.52	1.3	9.2	1000	-0.5	-1	86	3	67	8	1.3	-2	9	-5	2.83	43.0	0.43	-1	-4	35	-100	84	6.1	10.7	-3	-5	1.20	-500	1.3	0.9	12.0	-100	-1	3.5	2.7	-50
274	137253	13.79	1.3	10.0	970	1.5	-1	76	3	67	8	1.1	-2	9	-5	2.62	38.0	0.40	-1	-2	30	-100	63	5.5	10.0	-3	-5	1.20	-500	1.0	0.8	10.0	-100	1	3.7	2.5	-50
275	137254	12.72	1.6	13.0	810	1.4	-1	92	3	62	11	1.3	-2	9	-5	3.18	47.0	0.43	-1	-4	36	-100	92	6.5	10.2	-3	-5	1.07	-500	1.3	0.9	16.0	-100	-1	3.3	2.7	63
276	137255	12.68	1.3	13.0	1200	0.9	1	71	3	75	12	1.3	-2	7	-5	3.13	35.0	0.39	-1	-5	29	-100	65	5.4	10.9	-3	-5	1.20	-500	1.2	0.8	10.0	-100	2	5.0	2.5	60
277	137256	14.61	2.0	18.0	910	-0.5	1	86	2	69	10	1.4	-2	9	-5	3.00	44.0	0.43	-1	-1	33	-100	79	6.5	10.6	-3	-5	1.26	-500	1.6	0.9	12.0	-100	2	3.5	2.7	-50
278	137257	14.28	1.4	14.0	900	1.5	-1	64	3	72	9	1.0	-2	8	-5	2.89	33.0	0.36	-1	-1	25	-100	59	4.7	10.0	-3	-5	1.15	-500	1.4	0.6	10.0	-100	2	3.4	2.2	-50
279	1132971	11.24	1.2	8.8	1100	1.7	1	70	3	75	9	1.1	-2	7	-5	2.82	35.0	0.38	-1	-4	31	-100	66	5.4	11.2	-3	-5	1.14	-500	1.0	0.8	10.0	-100	3	6.7	2.4	-50
280	1132972	11.72	2.2	11.0	1100	0.8	1	91	3	74	11	1.5	-2	8	-5	3.03	46.0	0.47	-1	-4	37	-100	82	7.0	11.9	-3	-5	1.28	-500	1.6	0.9	14.0	-100	2	4.6	3.0	-50
281	1132973	14.07	2.0	10.0	740	2.3	-1	76	2	59	8	1.0	-2	9	-5	2.68	36.0	0.34	-1	-3	28	-100	72	5.2	8.8	-3	-5	1.19	-500	1.4	0.7	11.0	-100	2	3.4	2.3	-50
282	1132974	11.17	1.5	11.0	1200	1.9	1	82	3	76	11	1.4	-2	8	-5	3.20	41.0	0.43	-1	-4	33	-100	75	6.3	11.5	-3	-5	1.21	-500	1.1	0.9	12.0	-100	-1	5.8	2.8	55
283	1132975	10.99	1.3	10.0	1100	1.7	2	67	3	73	10	1.2	4	7	-5	2.91	32.0	0.36	-1	-4	29	-100	60	5.2	11.1	-3	-5	1.18	-500	0.9	0.8	9.1	-100	2	4.0	2.4	-50
284	1132976	12.63	1.3	8.9	980	1.5	-1	95	3	73	12	1.5	-2	8	-5	3.56	50.0	0.47	-1	-4	39	-100	110	7.2	12.2	-3	-5	1.25	-500	1.0	0.9	17.0	-100	2	2.8	3.0	96
285	1132977	10.26	1.2	10.0	1100	1.2	2	70	3	69	12	1.1	-2	7	-5	3.06	34.0	0.37	-1	-4	30	-100	63	5.3	10.9	-3	-5	1.10	-500	1.2	0.9	10.0	-100	2	3.7	2.4	-50
286	1132978	10.10	2.0	12.0	1000	1.9	-1	98	4	76	14	1.4	-2	8	-5	3.65	50.2	0.44	-1	-2	39	110	110	7.0	12.7	-3	-5	1.15	-500	1.3	1.0	17.0	-100	-1	2.6	2.8	56
287	1132979	10.22	1.3	8.6	1200	1.7	-1	96	4	75	9	1.1	-2	9	-5	3.24	47.0	0.37	-1	-2	40	-100	120	6.4	12.3	-3	-5	1.17	-500	1.3	0.9	16.0	-100	2	3.0	2.5	59
288	1132980	10.36	1.4	11.0	1300	1.0	2	67	3	75	11	1.2	-2	7	-5	2.99	34.0	0.39	-1	-2	31	-100	55	5.4	11.6	-3	-5	1.20	-500	1.0	0.6	9.3	-100	-1	5.6	2.5	-50
289	1132981	11.79	1.1	6.1	890	0.7	-1	80	3	68	9	1.1	-2	9	-5	2.54	39.0	0.36	-1	-2	30	-100	70	5.5	10.2	-3	-5	1.20	-500	1.3	0.8	11.0	-100	2	3.4	2.5	-50
290	1132982	9.44	1.2	8.9	1100	0.9	1	91	3	73	11	1.3	-2	8	-5	3.25	46.0	0.43	-1	-3	36	-100	91	6.7	12.3	-3	-5	1.15	-500	1.0	1.0	15.0	-100	-1	4.5	2.8	-50
291	1132983	13.37	1.4	10.0	840	0.6	-1	80	3	66	10	1.2	-2	8	-5	2.99	43.0	0.39	-1	-2	31	-100	72	6.1	10.6	-3	-5	1.14	-500	1.0	0.7	13.0	-100	-1	3.3	2.7	-50
292	1132984	10.90	1.3	8.7	1000	-0.5	2	66	3	73	9	1.1	-2	7	-5	2.65	33.0	0.34	-1	-2	26	-100	51	5.2	10.6	-3	-5	1.17	-500	0.6	0.5	10.0	-100	2	3.2	2.4	-50
293	1132985	9.16	1.0	7.3	830	1.1	1	68	2	66	8	0.9	-2	7	-5	2.80	37.0	0.29	-1	-3	25	-100	51	5.5	11.0	-3	-5	1.06	-500	0.9	-0.5	13.0	-100	-1	3.9	2.4	-50

Company : Mayo Lake Minerals Inc.

Submitted by : Tyrell Sutherland

Date Received : 29-Aug-12

Date Reported : 05-Nov-12

T12-01780.0

6790 Kitimat Rd, Unit #4
Mississauga, ON,Canada,L5N 5L9
Ph: (905) 826-3080 Fax : (905) 826-4151
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ISO 17025
For Scope of Accreditation No. 422
Pour la portée d'accréditation no. 422

Acme file # :WHI12000586
Samples were run as received.
Analysis performed by Neutron Activation (Method BQ-NAA-1)
A negative result denotes "Less Than".
Note : Mo results are interfered with by Mo production from U fission.

#	Silt ID	Wt gram	Sb ppm	As ppm	Ba ppm	Br ppm	Ca %	Ce ppm	Cs ppm	Cr ppm	Co ppm	Eu ppm	Au ppb	Hf ppm	Ir ppb	Fe %	La ppm	Lu ppm	Hg ppm	Mo ppm	Nd ppm	Ni ppm	Rb ppm	Sm ppm	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	Ta ppm	Tb ppm	Th ppm	Sn ppm	W ppm	U ppm	Yb ppm	Zn ppm
7	1575007	18.37	1.0	4.9	580	0.7	-1	59	1	47	6	0.9	-2	9	-5	1.71	29.0	0.32	-1	-1	20	-100	44	4.6	6.6	-3	-5	1.15	-500	1.3	0.6	7.8	-100	1	2.8	1.9	-50
8	1575008	19.75	0.9	4.1	590	0.7	-1	62	1	49	6	1.0	-2	9	-5	1.64	30.0	0.33	-1	-1	20	-100	43	4.7	6.8	-3	-5	1.18	-500	1.1	0.6	7.8	-100	1	3.2	1.9	52
9	1575009	17.99	0.8	6.1	610	1.4	-1	60	2	47	6	0.9	-2	8	-5	1.84	30.0	0.31	-1	-1	19	-100	57	4.5	7.0	-3	-5	1.18	-500	0.9	0.5	8.5	-100	1	3.2	1.8	52
10	1575010	20.91	0.6	4.3	500	-0.5	-1	54	1	39	5	0.8	-2	9	-5	1.57	27.0	0.30	-1	-1	16	-100	48	4.0	5.9	-3	-5	1.22	-500	1.2	-0.5	7.5	-100	-1	2.9	1.7	-50
11	1575011	18.89	0.6	5.4	520	0.7	-1	58	1	41	5	0.9	-2	10	-5	1.63	28.0	0.33	-1	-1	19	-100	46	4.3	6.1	-3	-5	1.22	-500	1.0	0.5	8.0	-100	-1	3.1	1.9	-50
12	1575012	16.77	1.1	7.1	830	0.9	-1	56	2	50	7	0.9	-2	6	-5	1.82	27.0	0.29	-1	-1	20	-100	49	4.4	7.7	-3	-5	1.18	-500	1.0	0.5	7.4	-100	1	3.5	1.7	65
13	1575013	16.19	1.1	7.0	870	0.8	1	55	2	52	7	0.9	-2	6	-5	1.85	27.0	0.29	-1	-1	17	-100	51	4.4	7.9	-3	-5	1.22	-500	0.6	-0.5	7.1	-100	1	3.4	1.7	66
14	1575014	16.89	1.7	11.0	830	-0.5	1	66	2	64	9	1.1	-2	8	-5	2.47	33.0	0.34	-1	-1	22	-100	59	5.3	9.2	-3	-5	1.14	-500	1.2	0.6	10.0	-100	2	2.9	2.0	71
15	1575015	21.01	1.2	7.9	520	-0.5	1	71	1	53	7	1.1	-2	12	-5	2.04	34.0	0.40	-1	-1	22	-100	41	5.3	7.0	-3	-5	1.16	-500	1.3	0.7	10.0	-100	2	3.0	2.3	-50
16	1575016	18.74	1.3	9.0	560	0.6	1	80	2	61	8	1.2	-2	14	-5	2.28	39.0	0.45	-1	-1	26	-100	49	6.0	7.8	-3	-5	1.19	-500	1.5	0.7	11.0	-100	1	3.3	2.6	58
17	1575017	19.08	1.5	13.0	730	0.6	1	60	2	54	9	1.0	-2	6	-5	2.27	30.0	0.31	-1	-1	21	-100	54	4.7	8.1	-3	-5	1.33	-500	0.9	0.5	8.6	-100	1	2.4	1.8	61
18	1575018	20.61	0.9	6.6	430	-0.5	-1	53	1	37	7	0.8	-2	8	-5	1.75	25.0	0.29	-1	-1	16	-100	41	3.9	5.6	-3	-5	1.13	-500	1.2	0.6	8.1	-100	-1	2.5	1.7	-50
19	1575019	21.34	1.2	10.0	590	-0.5	-1	46	1	44	7	0.8	-2	5	-5	1.93	23.0	0.24	-1	-1	16	-100	46	3.7	6.6	-3	-5	1.26	-500	0.8	0.6	6.7	-100	-1	1.8	1.5	51
20	1575020	20.56	1.3	9.0	730	-0.5	1	63	1	60	8	1.1	-2	9	-5	2.23	31.0	0.35	-1	-1	22	-100	45	4.9	8.1	-3	-5	1.36	-500	1.2	0.6	8.8	-100	-1	2.7	2.0	-50
21	1575021	19.91	1.2	9.3	680	-0.5	1	73	2	64	8	1.2	-2	11	-5	2.31	35.0	0.40	-1	-1	24	-100	48	5.6	8.2	-3	-5	1.35	-500	1.0	0.7	10.0	-100	2	3.4	2.3	53
22	1575022	15.28	1.3	5.6	900	1.2	1	60	2	57	8	1.0	-2	7	-5	2.04	29.0	0.34	-1	-4	22	-100	55	4.8	8.6	-3	-5	1.20	-500	0.7	0.6	8.2	-100	-1	5.2	1.9	69
50	1575151	14.88	0.9	16.0	990	6.0	2	82	4	78	12	1.4	-2	10	-5	3.54	39.0	0.44	-1	-7	27	-100	88	7.2	12.9	-3	-5	1.05	-500	1.1	0.9	11.0	-100	2	19.0	2.5	97
51	1575152	20.20	1.2	6.8	540	-0.5	-1	58	1	42	7	0.8	3	9	-5	1.82	28.0	0.29	-1	-1	18	-100	46	4.3	6.3	-3	-5	1.06	-500	1.2	0.5	8.3	-100	2	2.4	1.7	-50
52	1575153	15.92	1.3	7.8	630	0.9	1	61	2	46	8	0.9	-2	8	-5	2.03	29.0	0.31	-1	-1	21	-100	54	4.6	7.0	-3	-5	1.08	-500	1.1	0.6	9.0	-100	-1	3.0	1.8	58
53	1575154	20.11	1.3	6.7	550	0.5	-1	61	1	46	7	0.9	-2	10	-5	1.85	30.0	0.33	-1	-1	20	-100	46	4.6	6.5	-3	-5	1.07	-500	1.3	0.6	8.7	-100	2	2.5	1.9	56
54	1575155	18.30	1.3	8.0	570	0.8	-1	59	1	43	7	0.9	2	8	-5	1.92	29.0	0.30	-1	-1	19	-100	50	4.5	6.4	-3	-5	1.05	-500	1.2	-0.5	9.0	-100	-1	2.5	1.8	51
55	1575156	17.68	1.4	8.5	660	0.9	1	66	2	51	8	1.1	-2	9	-5	2.23	32.0	0.34	-1	-1	22	-100	54	5.1	7.7	-3	-5	1.05	-500	1.1	0.6	10.0	-100	1	2.6	1.9	64
56	1575157	16.32	1.9	11.0	750	0.9	1	65	2	53	9	1.0	-2	6	-5	2.35	31.0	0.30	-1	-1	21	-100	61	4.9	8.1	-3	-5	1.08	-500	1.1	0.5	10.0	-100	-1	2.4	1.7	55
57	1575158	18.19	1.5	10.0	690	1.0	-1	69	2	59	8	1.1	3	12	-5	2.21	33.0	0.37	-1	-1	25	-100	53	5.3	7.9	-3	-5	1.06	-500	1.5	0.7	10.0	-100	2	3.1	2.1	60
58	1575159	17.86	1.0	6.8	730	1.2	-1	55	2	50	7	0.9	-2	7	-5	1.80	27.0	0.29	-1	-1	20	-100	48	4.3	7.3	-3	-5	1.10	-500	0.8	0.6	7.9	-100	-1	3.5	1.7	63
59	1575160	16.08	0.8	4.8	800	1.1	-1	51	2	47	6	0.8	-2	6	-5	1.78	25.0	0.27	-1	-1	18	-100	48	4.1	7.1	-3	-5	1.17	-500	0.8	-0.5	6.9	-100	1	3.1	1.6	57
60	1575161	20.11	0.9	3.6	680	0.6	-1	52	1	45	5	0.9	-2	7	-5	1.44	25.0	0.28	-1	-1	18	-100	43	4.0	6.5	-3	-5	1.19	-500	1.0	0.5	6.6	-100	-1	2.6	1.7	-50
61	1575162	16.80	1.0	5.8	910	1.0	1	58	2	54	8	1.0	-2	6	-5	2.06	28.0	0.30	-1	-1	21	-100	55	4.5	8.4	-3	-5	1.18	-500	1.1	-0.5	7.8	-100	1	3.2	1.8	67
62	1575163	14.29	1.1	6.1	970	1.0	1	70	2	63	9	1.0	-2	8	-5	2.18	33.0	0.36	-1	-2	26	-100	60	5.4	9.3	-3	-5	1.19	-500	1.3	0.7	9.0	-100	1	3.7	2.1	67
63	1575164	14.47	1.0	5.6	970	-0.5	1	70	2	63	8	1.2	-2	9	-5	2.16	33.0	0.39	-1	-2	24	-100	58	5.4	8.9	-3	-5	1.17	-500	0.9	0.6	8.9	-100	-1	3.8	2.2	73
64	1575165	15.98	1.1	6.4	950	0.5	1	64	2	58	8	1.2	-2	7	-5	2.12	31.0	0.34	-1	-2	22	-100	55	5.0	8.7	-3	-5	1.20	-500	0.8	0.6	8.4	-100	1	3.8	2.0	72
65	1575166	16.14	1.4	11.0	790	0.9	1	70	2	57	10	1.1	-2	6	-5	2.52	33.0	0.33	-1	-2	25	-100	69	5.3	9.2	-3	-5	1.16	-500	1.1	0.6	10.0	-100	2	2.4	2.0	79
101	1575228	14.10	1.3	9.3	1100	0.8	1	74	2	65	11	1.2	-2	7	-5	2.67	36.0	0.38	-1	-2	23	-100	71	5.9	10.4	-3	-5	1.16	-500	1.1	0.6	10.0	-100	2	6.4	2.3	93
141	1575371	15.30	1.5	25.0	840	-0.5	1	72	2	61	8	1.1	-2	8	-5	2.33	34.0	0.35	-1	-3	24	-100	67	5.1	9.0	-3	-5	1.30	-500	0.9	0.7	9.4	-100	2	2.5	2.1	67
142	1575372	16.37	1.6	25.0	800	1.0	-1	70	2	59	8	1.0	-2	8	-5	2.17	33.0	0.34	-1	-3	22	-100	59	5.0	8.8	-3	-5	1.32	-500	1.0	-0.5	8.9	-100	-1	2.8	2.0	59
143	1575373	15.53	1.6	26.0	810	1.0	1	78	2	64	8	1.2	-2	10	-5	2.27	37.0	0.41	-1	-3	26	-100	60	5.5	9.3	-3	-5	1.33	-500	1.1	0.6	10.0	-100	-1	3.3	2.4	69
146	1575380	16.93	0.8	7.0	540	0.6	-1	63	2	47	7	1.0	-2	7	-5	2.04	31.0	0.29	-1	-3	21	-100	57	4.3	7.2	-3	-5	1.24	-500	1.1	-0.5	8.0	-100	-1	2.0	1.8	51
147	1575381	10.55	1.1	12.0	1200	2.7	1	80	3	79	15	1.2	-2	5	-5	3.69	38.0	0.35	-1	-4	28	-100	86	5.9	13.4	-3	-5	1.00	-500	-0.5	0.6	11.0	-100	-1	3.9	2.2	120
148	1575382	17.00	1.1	8.9	860	1.9	-1	80	2	64	9	1.3	-2	9	-5	2.23	37.0	0.38	-1	-3	28	-100	69	5.5	10.0	-3	-5	1.20	-500	1.3	0.7	9.4	-100	-1	2.5	2.3	81

Company : Mayo Lake Minerals Inc.

Submitted by : Tyrell Sutherland
Date Received : 29-Aug-12
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T12-01782.0

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email : RAllen@maxxam.ca

Acme file # :WHI12000608
Samples were run as received.
Analysis performed by Neutron Activation (Method BQ-NAA-1)
A negative result denotes "Less Than".
Note : Mo results are interfered with by Mo production from U fission.

Rock ID	Wt grams	Sb ppm	As ppm	Ba ppm	Br ppm	Ca %	Ce ppm	Cs ppm	Cr ppm	Co ppm	Eu ppm	Au ppb	Hf ppm	Ir ppb	Fe %	La ppm	Lu ppm	Hg ppm	Mo ppm	Nd ppm	Ni ppm	Rb ppm	Sm ppm	Sc ppm	Se ppm	Ag ppm	Na %	Sr ppm	Ta ppm	Tb ppm	Th ppm	Sn ppm	W ppm	U ppm	Yb ppm	Zn ppm
1575201	14.07	0.5	1.6	-50	-0.5	-1	14	-1	24	3	-0.2	-2	-1	-5	1.18	6.3	-0.05	-1	-1	5	-100	-15	1.0	0.6	-3	-5	0.02	-500	-0.5	-0.5	3.6	-100	-1	1.3	-0.2	-50
1575202	13.16	0.2	2.5	150	-0.5	12	38	-1	20	3	0.6	-2	5	-5	0.87	16.0	0.18	-1	4	13	-100	23	2.7	3.5	-3	-5	2.12	-500	-0.5	-0.5	6.6	-100	-1	1.4	1.1	-50
1575229	13.62	0.2	1.7	-50	-0.5	7	12	-1	16	2	0.3	-2	-1	-5	0.61	5.3	0.30	-1	-1	6	-100	-15	1.3	1.1	-3	-5	0.20	-500	-0.5	-0.5	1.1	-100	-1	-0.5	2.2	-50
1575239	13.38	0.7	2.5	91	-0.5	17	31	-1	15	3	1.1	73	1	-5	1.00	16.0	0.09	-1	-3	13	-100	20	2.3	2.5	5	-5	0.14	-500	-0.5	-0.5	3.4	-100	-1	1.1	0.6	140
1575374	13.86	0.3	1.8	170	-0.5	-1	12	-1	33	6	-0.2	51	1	-5	2.48	5.8	0.31	-1	-1	6	-100	32	0.9	3.6	-3	-5	0.45	-500	-0.5	-0.5	3.0	-100	-1	-0.5	1.6	-50
1575375	12.87	0.7	1.1	88	-0.5	3	20	-1	21	8	0.3	-2	1	-5	1.00	10.0	0.14	-1	-2	8	-100	16	1.6	1.3	-3	-5	0.58	-500	-0.5	-0.5	3.1	-100	-1	0.9	1.0	-50
1575376	13.93	0.2	6.2	150	-0.5	-1	24	-1	29	4	0.3	-2	2	-5	1.37	10.0	0.10	-1	-2	11	-100	25	1.7	1.6	-3	-5	0.41	-500	-0.5	-0.5	4.1	-100	-1	0.9	0.5	-50
1575383	14.36	0.2	3.1	-50	-0.5	-1	46	-1	34	2	0.3	3	8	-5	1.01	21.0	0.12	-1	-3	14	-100	-15	2.9	1.6	-3	-5	1.79	-500	-0.5	-0.5	10.0	-100	-1	1.3	0.6	-50

ACME ANALYTICAL LABORATORIES LTD.

Client: Mayo Lake Minerals Inc.
File Created: 4-Oct-12
Job Number: WHI12000608
Number of Samples: 68
Project: MLM 2012
Shipment ID:
P.O. Number: NA-12370
Received: 8-Aug-12

Final Report 4-acid digestion with ICPMS finish
Crush, split, and pulverize 250g rock to 200 mesh

Rock ID	Unit	Wgt KG	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	Al %	Na %	K %	W PPM	Zr PPM	Ce PPM	Sn PPM	Y PPM	Nb PPM	Ta PPM	Be PPM	Sc PPM	Li PPM	S %	Rb PPM	Hf PPM	In PPM	Re PPM	Se PPM	Te PPM	Tl PPM
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1	0.1	0.1	0.05	0.005	1	0.5	0.5
1575374	Rock	2.07	0.3	49.8	6.1	29	<0.1	12.3	6	245	2.49	2	0.3	<0.1	3	59	0.1	0.5	0.4	22	0.61	0.025	6.2	27	0.35	164	0.1	2.24	0.455	0.55	0.2	6.4	12	0.6	6.8	2.6	0.1	<1	3	7.8	<0.1	35.5	0.3	<0.05	<0.005	<1	<0.5	<0.5
1575375	Rock	1.16	0.4	6.8	11.4	20	<0.1	15.9	8.1	388	1	1	0.8	<0.1	3.5	258	0.1	0.5	<0.1	9	4.34	0.008	10.9	20	0.17	97	0.025	1.51	0.608	0.27	0.1	11.5	20	0.2	12.4	0.9	<0.1	<1	<1	4.7	<0.1	15.3	0.3	<0.05	<0.005	<1	<0.5	<0.5
1575376	Rock	1.14	0.1	9.4	24.5	19	<0.1	9.1	4.7	133	1.36	7	0.7	<0.1	4	61	<0.1	0.2	0.3	10	0.29	0.007	10.5	23	0.23	141	0.064	1.6	0.402	0.4	0.1	15.7	23	0.5	4.7	2.1	0.2	<1	1	7	<0.1	24.2	0.5	<0.05	<0.005	<1	<0.5	<0.5
1575383	Rock	1.48	0.3	4.5	8.6	24	<0.1	4.7	2.2	127	0.99	3	0.8	<0.1	9.5	217	<0.1	0.2	<0.1	10	1.21	0.008	21.9	20	0.11	30	0.096	2.53	1.759	0.08	0.1	50.7	45	0.2	5.2	2.9	0.2	<1	1	4.5	<0.1	3.9	1	<0.05	<0.005	<1	<0.5	<0.5
1575201	Rock	2.09	0.4	11.6	3.4	9	<0.1	7.4	3.3	69	1.18	2	1	<0.1	3.4	9	<0.1	0.3	<0.1	4	0.08	0.005	6.8	17	0.03	57	0.036	0.48	0.016	0.19	0.1	4.5	14	0.1	1.6	1.2	<0.1	<1	<1	1.8	<0.1	9.5	<0.1	<0.05	<0.005	<1	<0.5	<0.5
1575202	Rock	1.74	0.1	3.8	32.3	12	<0.1	5	2.7	665	0.86	3	0.8	<0.1	7	1016	<0.1	0.1	<0.1	15	14.95	0.009	17.5	13	0.21	154	0.08	3.78	2.419	0.42	0.3	26.6	37	0.5	12.1	2.6	0.2	<1	3	4.8	<0.1	21.9	0.8	<0.05	<0.005	<1	1	<0.5
1575229	Rock	2.04	0.1	6.1	15.1	4	<0.1	4.5	2.3	905	0.59	<1	0.2	<0.1	1	487	0.1	0.1	<0.1	4	9	0.004	5.3	10	0.09	35	0.015	0.53	0.173	0.09	<0.1	4.5	12	0.2	24.7	0.6	<0.1	<1	<1	1.3	<0.1	4.8	0.1	<0.05	<0.005	<1	0.7	<0.5
1575239	Rock	1	0.1	1270.5	2983.2	142	3.4	3.5	3.2	1316	0.89	3	0.8	<0.1	3.6	953	0.3	0.7	13.6	9	20.68	0.006	19	14	0.19	118	0.059	1.19	0.145	0.43	0.1	15.6	30	0.7	12	2.2	0.1	<1	2	3.3	<0.1	22.1	0.5	0.19	<0.005	4	3.4	<0.5

Appendix F

Statement of Expenditures

Geophysical interpretation:	$800.00
Assays:	
Rock Samples $42.75 x 8	
Silt Samples $21.95x 40	
Soil Sample $21.95 x 291	
Total assay costs	$7607.45
Camp & Payroll costs	$16,014.36
Helicopter costs	
$1470.56 x 6.8 hours	$5588.11
Preparation of reports	$4800.00
Total expenditure	$34809.92
Expenditure per claim:	$123.44

This survey was completed as part of a larger program that covered six additional nearby claim blocks. As such camp costs are calculated based on the proportion of the total number of samples taken for the field season on this block. The breakdown is as follows:

Total Samples	2371
Total Camp and payroll Costs	$112,005.96
Camp and payroll cost per sample	$47.24
Samples taken From Davidson Claim group	339

$47.24 per sample and 339 samples results in camp and payroll costs of $16,014.36

Similarly geophysical interpretation was completed on all blocks, the total cost of this interpretation was $5600.00 broken down between 7 claim blocks results in a cost per block of $800.00.