PROSPECTING WORK REPORT - TPK PROJECT

2011

THUNDER BAY Mining Division

RAINY RIVER RESOURCES LTD.

NORTHERN SUPERIOR RESOURCES INC.

PREPARED BY:

Darrell Hyde, P.Geo

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SUMMARY

This report describes ground prospecting carried out on the Ti-pa-haa-kaa-ning (TPK) property between October 13th and October 30th, 2011 by Don Holmes of Overburden Drilling Management on behalf of Rainy River Resources Ltd. A total of 103 grab samples were collected and analyzed for Gold and 48 element four acid ICP-MS. The project was funded by Rainy River resources Ltd. Under the terms of an earn in option agreement with Northern Superior. The program was designed to test two areas of gold-grains-in-till anomalies previously defined by surface till sampling and reverse circulation (RC) drilling.

The Ti-pa-haa-kaa-ning property is located in Northern Ontario approximately 470 km northeast of Thunder Bay and 190 km northeast of Pickle Lake. The property consists of 190 mining claims comprised of 2506 claim units for a total of 42,719. The property was divided by Northern Superior Resources into three regions which from east to west are and Ti-pa-haa-kaa-ning (the Ojibway-Cree name for "Mining Place"), Big Dam and New Growth. As part of the joint venture agreement between Northern Superior Resources and Rainy River Resources, the TPK and Big Dam properties were combined and collectively termed TPK. The new TPK property covers 18,189 hectares total.

The TPK property is in a structurally favourable geological setting where the Archean-age Bartman Lake Greenstone Belt lies adjacent to a major bend in the regional-scale Stull-Wunnummin Fault and has been intruded by the 15 km long Freure Lake Batholith. A 7 km wide x 15 km long gold grain dispersal anomaly identified from surface sampling of glacial till builds northeastward across a narrow remnant of the greenstone belt onto the southern edge of the batholith, suggesting that the bend in the fault propagated a series of gold-bearing splay shears which are concentrated along the southern margin of the structurally resistant buttress formed by the batholith. This metallogenic model is analogous to that for the Malartic – Val d'Or gold district in Quebec where the gold deposits are controlled by splay shears related to a major bend in the Larder Lake – Cadillac Fault and are hosted by the synvolcanic Bourlamaque Batholith and several smaller granitoid and porphyry stocks (Averill, 2010).

In late 2010, Rainy River Resources Ltd. took over operation of the TPK exploration program. Rainy River Drilled 23 holes from fall 2010 through winter 2011. The main focus of this drill program was the Target 3 area as defined by ODM and Northern Superior. Hole TPK-10-004 intersected high grade gold mineralization grading 25.9 g/t over 13.5 metres in shear zone hosted quartz veins. The veins proved to be difficult to trace up and down dip or along strike however the presence of spectacular grade gold in bedrock beneath a clearly defined surface target is encouraging.

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INTRODUCTION

This report describes ground prospecting carried out on the Ti-pa-haa-kaa-ning (TPK) property between October 13th and October 30th, 2011 by Don Holmes of Overburden Drilling Management on behalf of Rainy River Resources Ltd. A total of 103 grab samples were collected and analyzed for Gold and 48 element four acid ICP-MS. The project was funded by Rainy River resources Ltd. Under the terms of an earn in option agreement with Northern Superior. The program was conducted on the Ti-pa-haa-kaa-ning (TPK) property located in northwestern Ontario. The TPK property is located on the traditional lands of the Neskantaga First Nation (Neskantaga). The program was carried out through consultation and cooperation with the Neskantaga.

LOCATION, ACCESS AND PYSIOGRAPHY

The TPK property is located 470 km northeast of Thunder Bay and 190 km northeast of Pickle Lake, the nearest town with all-weather road access (Fig. 1). The property lies within the traditional territory of the Neskantaga First Nation and is approximately 30km north of the community of Neskantaga, formerly Lansdowne House.

Neskantaga is accessible by winter road beginning near Pickle Lake from February through March however it is only accessible by air for the remainder of the year. Daily scheduled air service is available from Thunder Bay, Pickle Lake and Nakina. Exploration activities are based at a fully equipped, twenty five person camp located at Rowlandson Lake on the eastern edge of the TPK property. The camp is accessible by helicopter or float or ski-equipped plane on a year round basis. A disused winter road leading northeast to the First Nation community of Webequie passes 6 km east of the TPK property. It is possible to utilize this road for transporting heavy equipment to and from Neskantaga in winter however road maintenance would be the responsibility of the company.

The topography of the TPK property is primarily controlled by the deposition of glacial sediments, which cover 95% of the property. Topographic relief is relatively low and flat, generally varying by 20 metres over broad areas with occasional ridges resulting in 30 to 40 metre variations. The limited variation in topography results in poor drainage producing numerous swamps and lake and few well developed rivers and streams.

Extensive glacial sedimentation results in an erratic distribution of outcrop with most of the property having less than 1%. Outcrop is most prevalent within the TPK are with up to 10% near Rowlandson Lake.

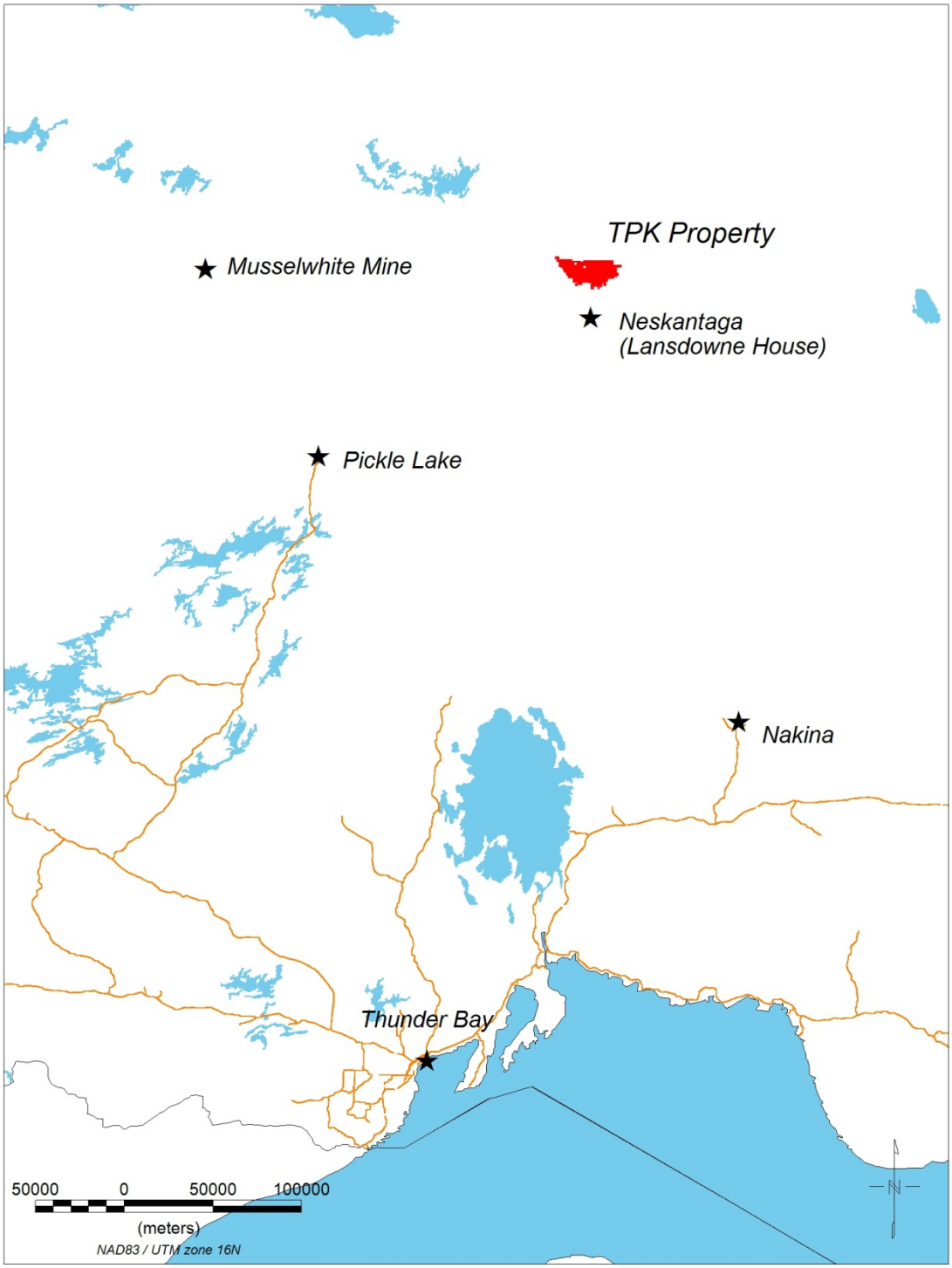

Figure 1: Geographic position of the TPK property.

CLAIMS AND OWNERSHIP

The TPK property consists of 190 mining claims comprised of 2506 claim units of approximately 16 hectares for a total of 42,719 hectares (Fig. 2). For exploration purposes, Northern Superior divided the property into three regions: (1) the eastern tip, or TPK, which covers the historical "Copper Point" showing near the Rowlandson Lake camp; (2) the central or Big Dam sector, which is named for a 1 km long lake ponded behind a large beaver dam and contains the large gold-grains-in-till anomaly; and (3) the large western end or "New Growth" area. The property is presently owned 100 percent by Northern Superior. On June 21, 2010 Rainy River Resources Ltd. (Rainy River) signed a letter of intent to acquire a 51 percent joint venture interest in the eastern (TPK – Rowlandson Lake) and central (Big Dam) sectors of the property, totaling 18,380 hectares and renamed TPK, over a three-year period by: (a) expending $9.4 million on exploration; (b) making cash payments of $1.6 million; and (c) purchasing $1.5 million of Northern Superior's common shares via three annual $500,000 private placements. Rainy River also has a first right of refusal to acquire an interest in the New Growth area.

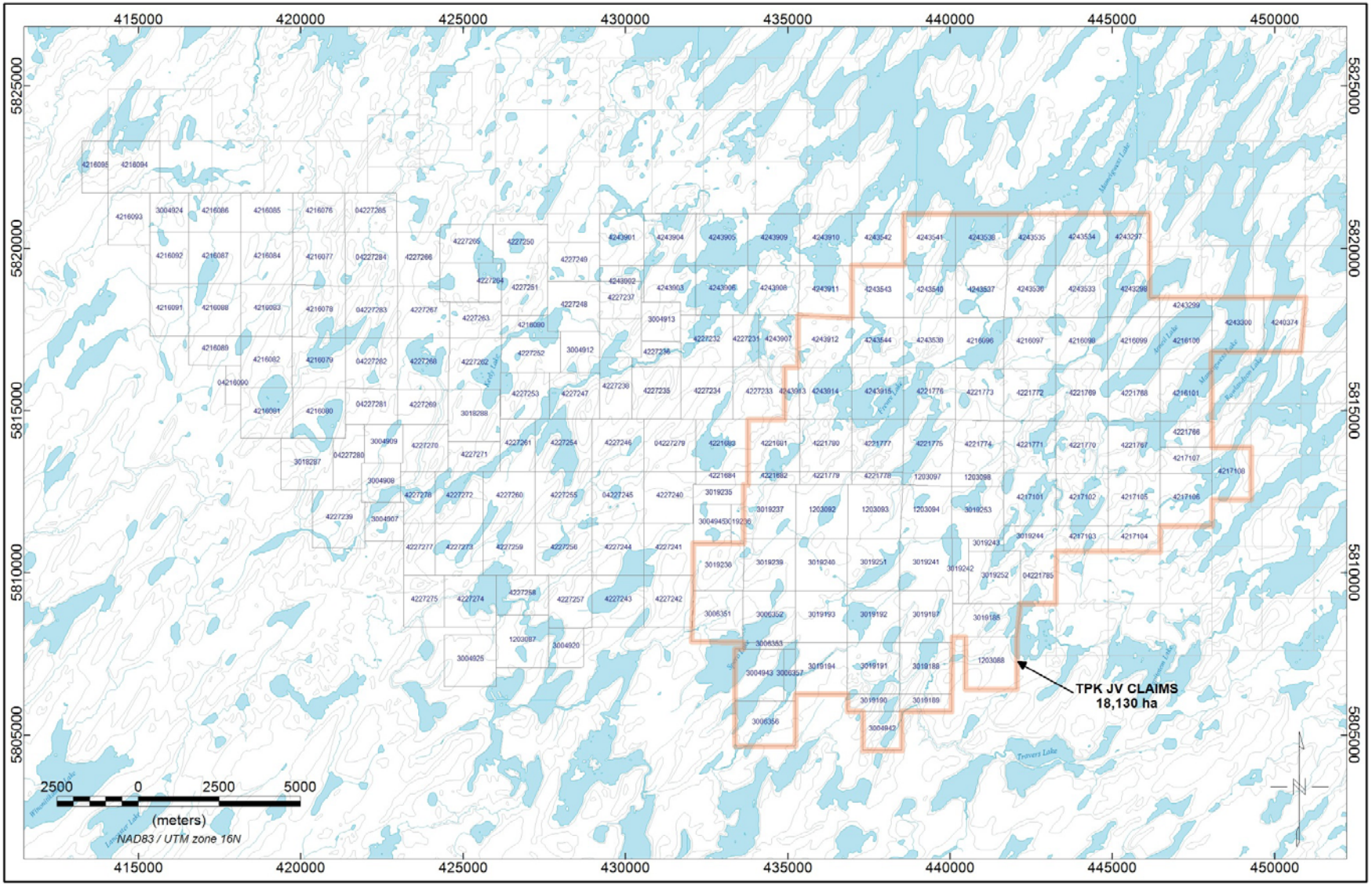

Figure 2: Claims map for TPK property. TPK JV claims outlined in orange.

PREVIOUS WORK

Mineral exploration began in the Lansdowne House area after the discovery of the Rowlandson Lake gold showing by surface prospecting in 1930 (Hart and Boucher, 2010). Early exploration efforts were focused on gold and silver and switched to base metals in the 1960's and 1970's with the development of airborne geophysical methods. The increase in gold prices in the 1980's shifted the focus of mineral exploration back to gold with sporadic copper-nickel and diamond exploration more recently.

1930 – 1940: Exploration in the TPK area was initiated in 1930 with by the discovery of a gossanous zone on the west shore of Rowlandson Lake by a local trapper. The area around the gossan, known as Copper Point, was the primary focus of mineral exploration in the area throughout the 1930's. The property was staked by Lansdowne Minerals Ltd. in the mid 1930's, and optioned by Winisk River Mines Limited in 1937. Winisk River completed a program of prospecting, trenching, pit blasting and diamond drilling at Copper Point which identified several narrow gold and copper mineralized zones (Hart and Boucher, 2010).

1950 – 1960: A number of companies conducted exploration for copper-nickel in the Rowlandson Lake area in the late 1950's and 1960's. La Corne Lithium Ltd. optioned a property from a prospector and completed ground magnetic and horizontal loop electromagnetic surveys (EM) covering the western shore of Rowlandson Lake, over the same ground previously held by Winisk River Mines Ltd. (Hart and Boucher, 2010).

1971 – 1973: INCO Ltd. completed regional airborne magnetic and electromagnetic geophysical surveys in the early 1970's covering a portion of the property. The best anomalies, occurring on the far western side of the TPK property, were covered by follow up ground magnetic and EM surveys. Anomalies identified by ground geophysics were subsequently tested with a packsack drill (Hart and Boucher, 2010).

1983 – 1986: Forester Resources commenced a program of airborne geophysical surveys over 1400 claims in the Rowlandson Lake – Lavoie Lake region followed by line cutting and ground VLF-EM16 and induced polarization (IP) surveys. Forester then concentrated exploration activities in the Rowlandson Lake (Copper Point) area. A program of geological mapping, trenching and diamond drilling resulted in minor narrow Cu-Ni mineralization and occasional narrow gold mineralized zones (Novak, 1988).

2001 – 2003: Aurora Platinum Corp. conducted reconnaissance exploration in 2001 and 2002 over part of the eastern portion of the TPK property. The work was performed in relation to two separate evaluation agreements entered into with Inco ltd. which allowed Aurora access to

Inco's proprietary airborne magnetic and EM survey and diamond drill hole databases covering portions of northwest Ontario and northeast Manitoba. The program focused on gold, base metal and copper nickel-platinum group metals. Several drill holes were completed in the Copper Point area (Hart and Boucher, 2010).

Several geophysical surveys were completed by Aurora including a regional helicopter-borne magnetic and IMPULSE-EM survey, a portion of which covers the current TPK property. An 11.25 km line IP survey was also completed in the Rowlandson Lake area in 2003.

2003 – 2010: Northern Superior Resources (Then Northern Superior Diamonds) became involved with the TPK project while conducting till sampling on behalf of Aurora Platinum and while prospecting for Kimberlite indicator minerals. The till sampling program produced gold-grain-in-till anomalies particularly around Canopener Lake.

In 2005, Aurora was purchased by FNX Mining Company Inc. and Aurora's interest in the remaining Rowlandson Lake and Canopener Lake claims were sold to Lake Shore Gold. Northern Superior and Lake Shore then formed a 50:50 joint venture agreement to investigate the emerging gold-grains-in-till anomaly. In the follow-up till sampling campaigns in 2007 and 2008, a total of 1028 samples were collected. These samples defined a strong, 7 km-wide gold grain anomaly that extends 15 km up-ice (across the 215° ice-flow path) from the initial 2002 anomaly, building in strength for the first 8 km to the Bartman Lake greenstone belt and maintaining this peak strength for a further 7 km onto the Freure Lake batholith before ending abruptly. The TPK property was expanded to cover both the 7 x 7 km head of the main anomaly and weaker anomalies to the west in the New Growth area (Averill et al., 2011).

Northern Superior conducted a series of airborne electromagnetic and magnetic surveys, including a detailed magnetic survey in 2009, in an effort to identify diamond drill targets beneath the gold grain anomaly. These surveys were of limited assistance, showing negligible conductivity and little magnetic variability other than the expected normal contrast between the greenstone belt and batholiths (Averill et al., 2011).

Overburden Drilling Management (ODM) was contracted by Northern Superior Resources to conduct reconnaissance-scale reverse circulation drilling program in March, 2010 to better define the gold-in-till anomaly identified by surface sampling. Four gold targets were identified in Phase I. A second phase of RC drilling took place in late 2010. Of the 117 holes drilled during Phase II, 88 were drilled on the Contact Stock and Freure Lake Batholith north of the Bartman Lake Greenstone Belt within or immediately west of the Phase I drill area and 29 holes were drilled further south in a 400 x 400 m reconnaissance pattern to assess the previously untested

southwestern half of surface gold-grains-in-till anomaly. The 88 northern holes were drilled mainly to infill and refine four gold-in-till peaks designated Targets 1 to 4 that were identified in Phase 1. An additional 17 drill sites were prepared on the frozen surface of Crying Boy Lake to test the heart of Target 2, the largest Phase I target, but these holes were not drilled because permission was withheld by Neskantaga First Nation. Of the 29 southern holes, 20 were drilled on the Bartman Lake Greenstone Belt, which was not intersected in any of the Phase I drill holes, and 9 were drilled on the Spero Lake Batholith south of the greenstone belt (Averill et al., 2011).

Northern Superior completed three programs of follow-up diamond drilling totaling 64 holes in 2007 and 2008 (Hart and Boucher, 2010). Due to the dearth of electromagnetic anomalies, this drilling was either concentrated around the known gold showings in the greenstone belt or targeted on subtle magnetic anomalies in the Freure Lake Batholith up-ice from (north of) the belt. The Rowlandson Lake showings were tested with 25 holes even though historical drilling had indicated that these showings were very minor and the surface till sampling had produced a gold grain anomaly that is much shorter and spottier than the main anomaly to the west. The remaining 39 holes were drilled within the area subsequently targeted by the Phase I and Phase II RC drilling programs, with 11 holes clustered around the known minor showings in the greenstone belt, 15 holes on three north-south stratigraphic sections across the belt, 9 holes around a new showing discovered by Northern Superior in the Freure Lake Batholith west of Big Dam Lake near the up-ice limit of the gold grain anomaly and 4 holes on a north-south section across a weak magnetic anomaly in the batholiths southwest of Big Dam Lake (Averill et al., 2011).

In late 2010, Rainy River Resources Ltd. took over operation of the TPK exploration program. Rainy River Drilled 23 holes from fall 2010 through winter 2011. The main focus of this drill program was the Target 3 area as defined by ODM and Northern Superior. Hole TPK-10-004 intersected high grade gold mineralization grading 25.9 g/t over 13.5 metres in shear zone hosted quartz veins. The veins proved to be difficult to trace up and down dip or along strike however the presence of spectacular grade gold in bedrock beneath a clearly defined surface target is encouraging.

GEOLOGICAL SETTING

REGIONAL GEOLOGY

Geologically, the TPK property is located in the Superior Province along the southwest margin of the Oxford-Stull domain, a narrow ribbon of 2.8 to 2.7 Ga metavolcanic and

metasedimentary rocks, adjacent to the 2.9 to 3.0 Ga rocks of the North Caribou terrane to the south. The northwest-trending Stull-Wunnummin fault zone, a 2 km wide dextral shear zone occurs along the contact between the Oxford-Stull domain and the North Caribou terrane. The TPK property is underlain by west- to southwest-trending mafic to intermediate metavolcanic rocks with occasional discontinuous interflow chemical sediments of the Bartman Lake Greenstone Belt. The metavolcanic rocks are intruded by sills and dykes of gabbro to diorite and tonalite to granodiorite composition. The greenstones are bounded to the north by massive to weakly foliated tonalite, granodiorite and granite to quartz monzonite of the Freure Lake Batholith. On the southern margin of the greenstone belt is the granodiorite of the Spero Lake Batholith. The metavolcanic rocks have an east-trending foliation, with mineral lineations trending shallowly southwest. East to northeast-trending splays of the northwest-trending Stull-Wunnummin fault zone are interpreted to cross the property, and northwest-trending faults appear to offset the magnetic features (Hart and Boucher, 2010).

PROPERTY GEOLOGY

The paucity of bedrock outcrops in the TPK project area makes it difficult to interpret geological features with much certainty. Much of the understanding of the bedrock geology comes from analysis of chip samples obtained from RC drilling. The greenstone belt is perhaps the best exposed unit in the region with notable exposures at Rowlandson Lake and on the western shore of Crying Boy Lake.

In the TPK project area, the Bartman Lake Greenstone belt ranges from 100 to 800 m wide and consists mainly of basalt flows with gabbro sills. Komatitte was reported in one RC drill hole. (Averill et al., 2011). Mafic volcanic rocks are dark to pale green to grey flows, pillowed flows and lapilli tuffs. These rocks are variably silicified and chloritized and cut but fracture filling quartz veins. Chemical metasedimentary rocks consisting of oxide facies iron formation are also observed in the TPK area. These iron formations are up to 4 m thick are generally discontinuous and appear highly deformed (Hart and Boucher, 2010).

The Freure Lake batholith, located north of the belt, is composed of massive to weakly foliated, fine to medium-grained, biotite tonalite to granodiorite (Hart and Boucher, 2010) and quartz monzonite to granite (Averill, 2010). In the TPK project area, Averill (2010) subdivides the Freure Lake Batholith into two phases which include a northern “main phase” of quartz monzonite and the lesser “Contact Stock” (leuco-) granite phase which occurs at the southern portion of the batholith at the contact with the greenstone belt. The main quartz monzonite phase of the Freure Lake Batholith is a coarse-grained (1-3 mm), grey-white to pale pink rock that typically contains 10 to 15 percent biotite, 25 to 30 percent quartz and 50 to 60 percent feldspar with K-spar nominally subordinate to plagioclase in a ratio between 1:1 and 1:2.

The leucogranite of the Contact Stock is a pale pink to variably hematite-stained, orange-pink to brick red rock that typically contains 30 to 40 percent quartz, 60 percent feldspar and just 1 to 5 percent biotite. The leucogranite in the northern part of the stock is as coarse grained (1-3 mm) as the adjoining quartz monzonite of the Freure Lake Batholith. The absence of a chilled margin in either the stock or batholith suggests that the stock is simply a late, highly fractionated, siliceous phase of the batholith. Within the Contact Stock, the grain size of the leucogranite diminishes progressively southward toward the greenstone belt. The progressive southward decrease in the grain size of the Contact Stock, the extensive dyking but only minimal metamorphism of the greenstone belt by the stock and the volcanogenic-type hydrothermal alteration within the stock indicate that the stock – and by extension the Freure Lake Batholith – is a synvolcanic intrusion (Averill, 2010).

The granodiorite of the Spero Lake Batholith that lies along the south side of the greenstone belt is typically medium to coarse grained and strongly sheared. The coarse primary grain size, in combination with a lack of thermal metamorphic effects in the volcanic rocks and leucogranite along the contacts of the Spero Lake Batholith and the outlying northern granodiorite sheet, suggest a structural contact (Averill et al., 2011).

STRUCTURE AND MINERALIZATION

Mineralization was emplaced principally within or proximal to an originally sub vertical to steeply S-dipping series of high-angle reverse faults, with subordinate shallower- (S-) dipping shears (R-style linking shears). Deformation was dominantly N-S compression, related to significant transpressive NW- to E-W shear along the regional-scale Stull FZ to the west and south (Rankin, 2011).

The shears were subsequently intersected / offset by later-stage brittle faults (associated with dry fault breccia zones). These locally reactivated some of the earlier shears. The faults are typically steep to moderately N-dipping (with reverse movement) (Rankin, 2011).

The Anomaly 3 district is also coincident with a broad NNE-trending corridor of roughly 100-200m spaced NNE-trending oblique to rotational faults. In the eastern half of the Anomaly 3 district, these faults have resulted in tilting of the sheared quartz monzonite. The primary shears are now oriented with steep N-dips, and the secondary shears are oriented with steep S- to sub vertical dips (Rankin, 2011).

Whilst the NNE-trending faults offset the shears and mineralization, it is possible that the structural corridor formed earlier, during the N-S compressive deformation; in this interpretation it may have acted as a semi-dilatational transfer corridor, possibly focusing mineralizing fluids in the Anomaly 3 area (Rankin, 2011).

The Anomaly 3 mineralization straddles and / or lies immediately north of a weak but well-developed magnetite-hematite oxidation zonation boundary within the quartz-monzonite (mag south, hem north). It is possible that Au mineralization was also focused by redox conditions along this boundary (Rankin, 2011).

The western half of the district appears less deformed, with the shears principally in their original S-dipping orientation (Rankin, 2011).

SURFICIAL GEOLOGY

Mapping of the surficial geology of the Property was completed by Parsons (2008) and the following is a summary from Hart and Boucher (2010). Areas of thick till blankets cover much of the property and a generalized stratigraphy of the blankets consists of a lower, older, carbonate-bearing, lodgement till, a middle carbonate-bearing deformation till, and an upper non-carbonate-bearing till. The upper, carbonate-absent till has a weak flow structure and boulder population dominated by angular to sub-angular felsic intrusive rocks interpreted to be from local bedrock sources. Glacial striations average of 235°, interpreted to reflect the direction of the last dominant ice movement in the region.

2011 PROSPECTING PROGRAM SUMMARY

Prospecting was carried out on the TPK property between October 13th and October 30th, 2011 by Don Holmes of Overburden Drilling Management on behalf of Rainy River Resources Ltd. A total of 103 grab samples were collected and analyzed for Gold and 48 element four acid ICP-MS. Sample descriptions are presented in Table 1. Assay results are presented in Table 2.

The program was carried out from the First Nations community of Neskantaga (formerly Lansdowne House), Ontario. Field locations were accessed by helicopter and subsequent ground traverses.

The 2011 prospecting program was designed to follow up on gold mineralization targets identified through till geochemistry (Parsons, 2008) and RC drilling (Averill, 2010). The target areas include: the western shore of Big Dam Lake (identified as Target 4 by Phase I RC drilling and sub-divided into targets 4, 5 and 6 by Phase II RC drilling (Averill, 2010 and 2011)) and; a second area (identified as Target 8 by Phase II RC drilling) located approximately 1000 metres north of Canopener Lake (Fig. 3).

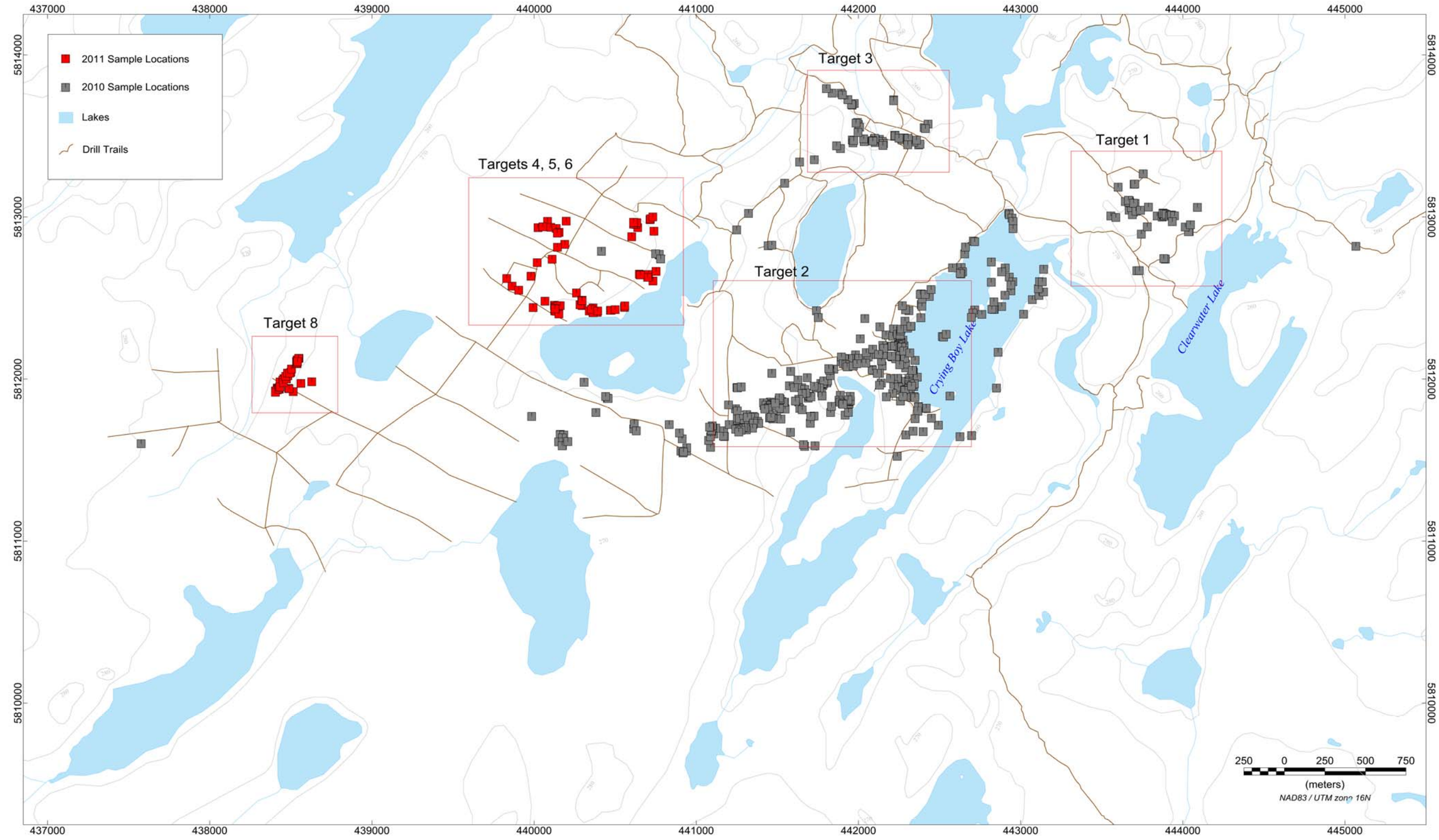

Figure 3: 2011 Boulder prospecting sample locations (target areas outlined in red).

TARGETS 4, 5 & 6

Target areas 4, 5 and 6 are only sporadically forested however the ground is typically extensively covered by thick moss. 65 samples were collected consisting almost entirely of quartz monzonite (Fig 4). Many samples assayed anomalous (0.005 – 1.0 g/t) for gold with 12 samples grading 1.0 to 2.5 g/t and 3 samples returning greater than 2.5 g/t. Sample L753836, which was described as "Angular, sub-angular, approx. 80 cm, rusty quartz monzonite, moderate to strong sheared with 5 – 20% disseminated and fracture pyrite", assayed 2.81 g/t Au. Sample L753839, described as "strong sheared / siliceous, rusty quartz monzonite, measuring approximately 60 cm and slabby with 1 – 5% disseminated and fracture pyrite" assayed 3.72 g/t Au. Sample L753841, described as "Angular, approx. 60 cm, very rusty, gossanous, weakly to moderately sheared quartz monzonite with trace to 2% disseminated and fracture pyrite" assayed 4.56 g/t Au.

TARGET 8

Prospecting at Target 8 was concentrated in an area at the base of a round hill consisting of large (>1 metre) variably mineralized leucogranite boulders. Rusty "mineralized" boulders comprised approximately 5% of the total volume. The boulder train forms an apparent NE-SW trend however this may be an effect of vegetation coverage. 6 samples assayed between 1 and 2.5 g/t Au while 3 returned values greater than 2.5%. Sample L753878, described as "Angular, slabby, approx. 1 metre, partially rusty, weakly sheared leucogranite with trace to 1% disseminated and fracture pyrite and possible arsenopyrite" assayed 2.56 g/t Au. Sample L753898, described as "Angular, slabby, approx. 80 cm, schistose, yellow-green scorodite, partial black scorodite coating, and partially rusty, strongly sheared leucogranite with 10 to 50% disseminated and fracture arsenopyrite" assayed 3.91 g/t Au. Sample L753901, described as "Angular, blocky, approx. 70 cm, schistose, partially rusty very strongly sheared and sericitized leucogranite with trace to 2% arsenopyrite and pyrite" returned 12.3 g/t Au.

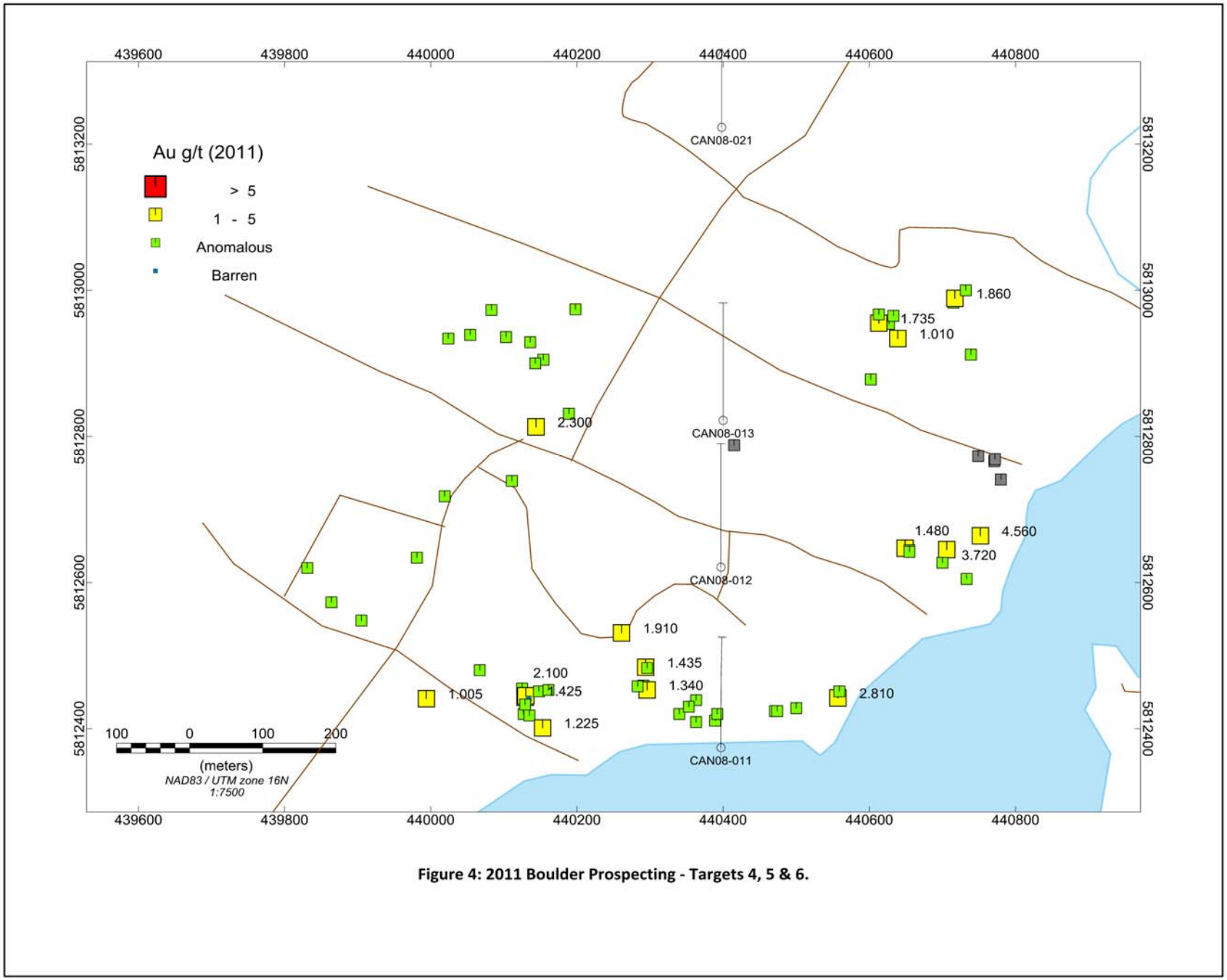

Figure 4: 2011 Boulder Prospecting - Targets 4, 5 & 6.

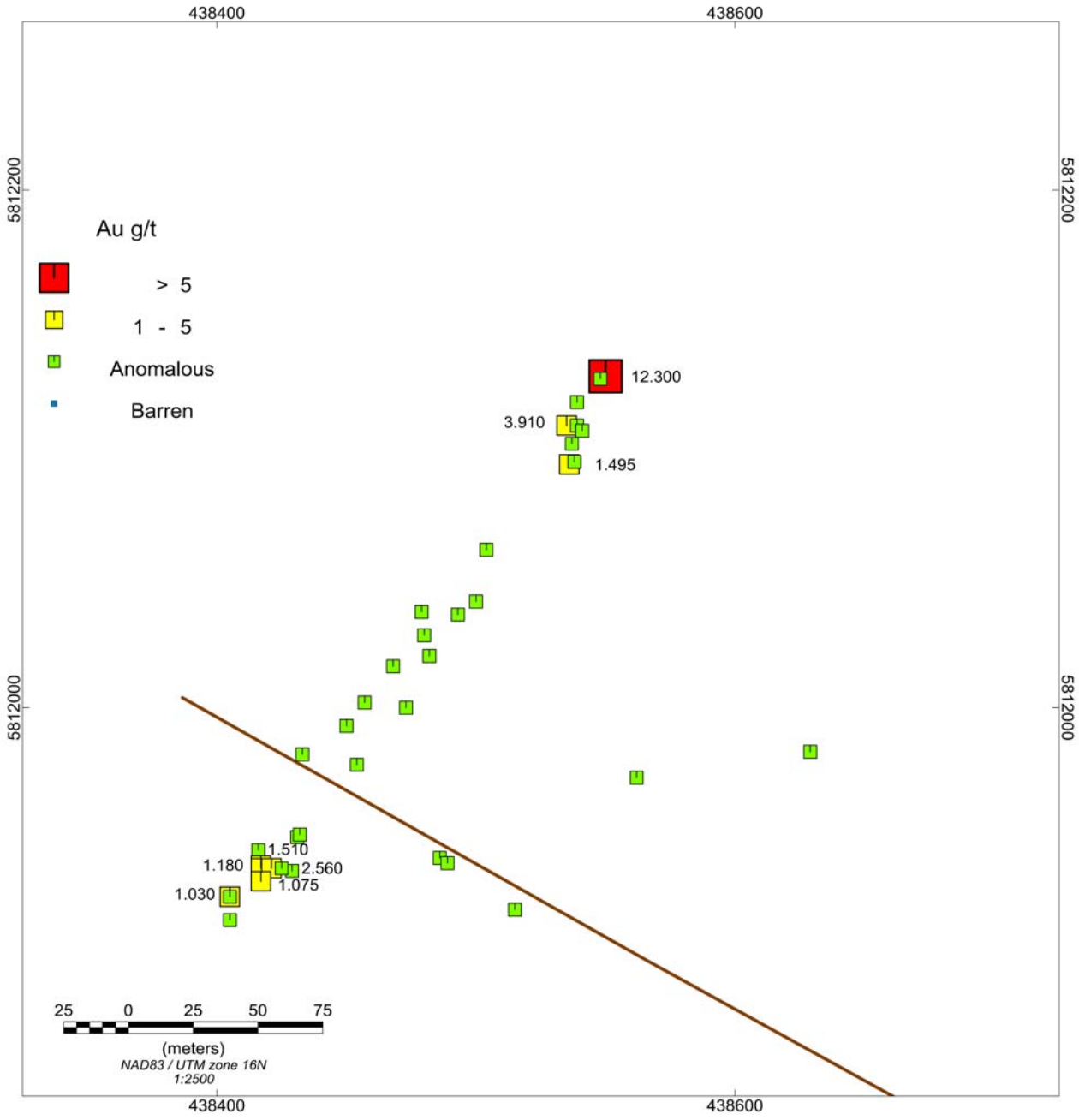

Figure 5: 2011 Boulder Prospecting - Target 8.

CONCLUSIONS AND RECOMMENDATIONS

Ground prospecting in the area of targets 4, 5 and 6 returned anomalous or greater results throughout the area. Nearly all samples collected consisted of variably mineralized quartz monzonite host rock and are angular or sub-angular. Gold mineralization tends to coincide with higher degrees of shearing. Gold tends to be higher in samples containing elevated pyrite (+5%) however the highest assay recorded (4.56 g/t Au in sample L753841) contained only trace to 2% pyrite. As is typically elevated in gold – rich samples this is not consistent and As-rich samples are not necessarily gold-rich.

Boulder sampling in the Targets 4, 5 and 6 area did not pinpoint a significant gold source in the area. The highest concentration of mineralized boulders appears to occur on the immediate northwestern shore of Big Dam Lake however ground cover conditions create large gaps between sample locations. A fence of 3 diamond drillholes completed in 2008 in intersected narrow mineralized shear zones similar to mineralized surface samples.

Target 8 area consists of large (typically +1 metre) angular leucogranite boulders which are variably mineralized. The host leucogranite is bright pink and fine grained. Nearly all samples returned anomalous or greater gold values. Pyrite, sericite and arsenopyrite mineralized boulders tend to be rusty and moderate to strongly sheared however millimeter-scale arsenopyrite stringers were observed in non-rusty leucogranite boulders. Gold mineralization is not ubiquitously associated with elevated pyrite or arsenopyrite however gold tends to be higher in samples with elevated pyrite.

Deteriorating weather conditions limited the time available to prospect the Target 8 area in 2011. Further prospecting is recommended for this area in order to identify a possible up-ice source for the high concentration of mineralized boulders seen in this area.

Table 1: Sample Description.

SampNum	Target	Datum	Zone	Easting	Northing	Major Unit	Alteration	Mineralization	Description	Certificate
L753801	4 5 6	NAD83	16	440127	5812420	Qtz Monzonite	Wk shearing	Tr - 1% dissem and fracture pyrite	Angular, slabby approx. 40 cm, partially rusty.	TB11230381
L753802	4 5 6	NAD83	16	440135	5812418	Qtz Monzonite	Wk to mod siliceous	2% fg dissem and fracture pyrite	Angular, approx. 70 cm.	TB11230381
L753803	4 5 6	NAD83	16	440153	5812401	Qtz Monz. or Leucogranite	Wk to mod siliceous	Tr - 1% dissem and fracture pyrite	Angular, approx. 80 cm, rusty.	TB11230381
L753804	4 5 6	NAD83	16	439864	5812573	Qtz Monzonite	Wk shearing	Tr - 2% fg dissem and fracture pyrite and aspy upto 5mm	Subangular, approx. 2 m, partially rusty.	TB11230381
L753805	4 5 6	NAD83	16	439994	5812441	Qtz Monzonite	Wk shearing	1% fracture pyrite	Angular, approx. 80 cm, rusty on corner, with 2-5 cm wide pyritic fracture.	TB11230381
L753806	4 5 6	NAD83	16	440020	5812435	Qtz Monzonite	Wk shearing	Tr - 1% dissem and fracture pyrite	Subangular to subrounded, approx. 3 m.	TB11230381
L753807	4 5 6	NAD83	16	439981	5812634	Qtz Monzonite	Wk shearing	1% - 2% dissem and fracture pyrite	Angular, approx. 40 cm, stained orange.	TB11230381
L753808	4 5 6	NAD83	16	439831	5812620	Qtz Monzonite	Wk shearing, qtz vein	No visible py or aspy but rusty with poss. earthy scorodite	Angular, approx. 30 cm, rusty with 5 cm wide vuggy qtz vein containing earthy gn-yellow earthy alteration - poss. scorodite.	TB11230381
L753809	4 5 6	NAD83	16	440019	5812718	Qtz Monzonite	Wk shearing, 5-10 cm wide shear	1% fracture pyrite in shear	Subangular, approx. 1 m, rusty 5 - 10 cm shear.	TB11230381
L753810	4 5 6	NAD83	16	440261	5812531	Qtz Monzonite	Mod shearing	1 - 2% dissem and fracture pyrite	Angular, approx. 1 m.	TB11230381
L753811	4 5 6	NAD83	16	440472	5812424	Qtz Monzonite	Wk shearing	1% dissem and fracture pyrite	Angular, approx. 40 cm, stained orange.	TB11230381
L753812	4 5 6	NAD83	16	440471	5812424	Qtz Monzonite	Wk shearing	Tr - 1% dissem and fracture pyrite	Angular, approx. 40 cm, fractured stained orange and rusty.	TB11230381
L753813	4 5 6	NAD83	16	440474	5812424	Qtz Monzonite	Wk shearing	Tr - 1% dissem and fracture pyrite	Angular, approx. 60 cm, stained orange and partially gossonous and weathered rusty with minor visible sulphides.	TB11230381
L753814	4 5 6	NAD83	16	440067	5812480	Qtz Monzonite	Wk shearing	1 - 2% dissem and fracture pyrite	Angular, approx. 70 cm, rusty.	TB11230381
L753815	4 5 6	NAD83	16	440125	5812455	Qtz Monzonite	Wk shearing	Tr - 1% dissem and fracture pyrite	Angular, slabby approx. 70 x 20 cm, stained orange.	TB11230381

SampNum	Target	Datum	Zone	Easting	Northing	Major Unit	Alteration	Mineralization	Description	Certificate
L753816	4 5 6	NAD83	16	440129	5812443	Qtz Monzonite	Very strong shearing	20% dissem and fracture pyrite	Angular, very slabby partially disintegrating large boulder, 1 - 2 m, very rusty, sample collected from 70 cm slab of siliceous material.	TB11230381
L753817	4 5 6	NAD83	16	440130	5812445	Qtz Monzonite	Strong shearing	10% dissem and fracture pyrite	Angular, very slabby partially disintegrating large boulder, 1 - 2 m, very rusty sample collected from 1 m slab. Possibly same boulder as L753816.	TB11230381
L753818	4 5 6	NAD83	16	440134	5812441	Qtz Monz./qtz breccia	Wk shearing / siliceous	Tr dissem and fracture pyrite	Angular, approx. 1 m x 40 cm brecciated qtz shear boulder with almost no visible mineralization.	TB11230381
L753819	4 5 6	NAD83	16	440148	5812451	Qtz Monzonite	Wk shearing	Tr - 1% dissem and fracture pyrite	Angular, blocky, approx. 60 cm, rusty.	TB11230381
L753820	4 5 6	NAD83	16	440161	5812453	Qtz Monzonite	Wk shearing	Tr - 1% dissem and fracture pyrite	Angular, approx. 20 cm.	TB11230381
L753821	4 5 6	NAD83	16	440129	5812433	Qtz Monzonite	Wk shearing	1 - 2% dissem and fracture pyrite	Angular, slabby, approx. 80 cm.	TB11230381
L753822	4 5 6	NAD83	16	440291	5812459	Qtz Monzonite	Wk shearing	Tr - 1% dissem and fracture pyrite	Angular, approx. 80 cm, very rusty.	TB11230381
L753823	4 5 6	NAD83	16	440296	5812453	Qtz Monzonite	Wk shearing	Tr - 1% dissem and fracture pyrite	Angular, approx. 70 cm stained orange.	TB11230381
L753824	4 5 6	NAD83	16	440283	5812458	Qtz Monzonite	Mod shearing	Tr - 3% dissem and fracture pyrite and aspy	Angular, approx. 2 m, fractured and partially rusty.	TB11230381
L753825	4 5 6	NAD83	16	440340	5812420	Qtz Monzonite	Wk shearing	Tr - 1% dissem and fracture pyrite, poss.aspy	Angular, approx. 60 cm, fractured and very rusty. Several other similar weakly sheared, weakly pyritic boulders in vicinity not sampled.	TB11230381
L753826	4 5 6	NAD83	16	440389	5812411	Qtz Monzonite	Mod shearing / very siliceous	Tr fracture pyrite	Angular, approx. 80 x 70 cm, very siliceous with hairline pyritic fractures	TB11230381
L753827	4 5 6	NAD83	16	440363	5812409	Qtz Monzonite	Wk shearing	Tr - 1% dissem and fracture pyrite	Angular, approx. 70 x 60 cm, rusty.	TB11230381
L753828	4 5 6	NAD83	16	440111	5812739	Qtz Monzonite	Mod to strong shearing	5% dissem and fracture pyrite	Angular, approx. 80 cm, partially rusty.	TB11230381
L753829	4 5 6	NAD83	16	440296	5812486	Qtz Monzonite	Wk to mod shearing	1% dissem and fracture pyrite	Angular, slabby, approx. 80 cm.	TB11230381

SampNum	Target	Datum	Zone	Easting	Northing	Major Unit	Alteration	Mineralization	Description	Certificate
L753830	4 5 6	NAD83	16	440294	5812484	Qtz Monzonite	Wk to mod shearing	1 - 5% dissem and fracture pyrite	Angular, slabby, approx. 1 m.	TB11230381
L753831	4 5 6	NAD83	16	440296	5812483	Qtz Monzonite	Strong to mod shearing	Tr - 1% dissem and fracture pyrite	Angular, approx. 1 m.	TB11230381
L753832	4 5 6	NAD83	16	440363	5812439	Qtz Monzonite	Mod shearing	1 - 3% dissem and fracture pyrite, poss. aspy	Angular, approx. 70 cm, fractured and rusty.	TB11230381
L753833	4 5 6	NAD83	16	440353	5812430	Qtz Monzonite	Wk shearing	Tr - 1% dissem and fracture pyrite	Angular, approx. 80 cm, stained orange.	TB11230381
L753834	4 5 6	NAD83	16	440392	5812420	Qtz Monzonite	Wk shearing	1 - 3% dissem and fracture pyrite	Angular, approx. 1 m, partially rusty.	TB11230381
L753835	4 5 6	NAD83	16	440500	5812428	Qtz Monzonite	Wk to mod shearing	Tr - 1% dissem and fracture pyrite	Angular, approx. 60 cm, rusty.	TB11230381
L753836	4 5 6	NAD83	16	440557	5812442	Qtz Monzonite	Mod to strong shearing	5 - 20% dissem and fracture pyrite	Angular, subangular, approx. 80 cm, rusty.	TB11230381
L753837	4 5 6	NAD83	16	440559	5812451	Qtz Monzonite	Wk to mod shearing	1 - 5% dissem and fracture pyrite	Angular, slabby, approx. 70 cm, partially rusty.	TB11230381
L753838	4 5 6	NAD83	16	440733	5812605	Qtz Monzonite	Wk to mod shearing	1 - 5% dissem and fracture pyrite	Angular, approx. 2.5 m, partially rusty.	TB11230381
L753839	4 5 6	NAD83	16	440706	5812645	Qtz Monzonite	Strong shearing / siliceous	1 - 5% dissem and fracture pyrite	Angular, slabby approx. 60 cm, rusty. Several weakly sheared, weakly pyritic boulders in vicinity not sampled.	TB11230381
L753840	4 5 6	NAD83	16	440700	5812627	Qtz Monzonite	Wk to mod shearing	1 -3% dissem and fracture pyrite	Angular, slabby, approx. 70 cm, rusty, 'knots' of pyrite upto 1 cm as well as diseminated and fracture.	TB11230381
L753841	4 5 6	NAD83	16	440752	5812664	Qtz Monzonite	Wk to mod shearing	Tr - 2% dissem and fracture pyrite	Angular, approx. 60 cm, very rusty, gossonous. Several weakly sheared, weakly pyritic boulders in vicinity not sampled.	TB11230381
L753842	4 5 6	NAD83	16	440649	5812647	Qtz Monzonite	Wk to mod shearing	1 - 5% dissem and fracture pyrite	Angular, approx. 1 m fractured and rusty. Several weakly sheared, weakly pyritic boulders in vicinity not sampled.	TB11230381
L753843	4 5 6	NAD83	16	440655	5812644	Qtz Monzonite	Mod to strong shearing / siliceous	3 - 10% dissem and fracture pyrite	Angular, slabby approx. 70 cm, rusty.	TB11230381
L753844	4 5 6	NAD83	16	440655	5812642	Qtz Monzonite	Wk shearing	1 -3% dissem and fracture pyrite, poss. aspy	Subangular, approx. 70 cm, partially rusty.	TB11230381
L753845	4 5 6	NAD83	16	440198	5812974	Qtz Monzonite	Wk shearing	Tr -1% dissem and fracture pyrite	Angular, approx. 60 cm, partially rusty.	TB11230381

SampNum	Target	Datum	Zone	Easting	Northing	Major Unit	Alteration	Mineralization	Description	Certificate
L753846	4 5 6	NAD83	16	440083	5812973	Qtz Monzonite	Wk shearing	Tr -1% dissem and fracture pyrite	Angular, approx. 70 cm.	TB11230381
L753847	4 5 6	NAD83	16	440024	5812934	Qtz Monzonite	Wk shearing	Tr -1% dissem and fracture pyrite	Subangular, approx. 60 cm, partially rusty.	TB11230381
L753848	4 5 6	NAD83	16	440054	5812939	Qtz vein/Qtz Monz.	Mod to strong shearing	Tr-5% fracture pyrite	Subangular to angular, approx. 70 cm, fractured qtz vein in Qtz Monz., partially gossonous with pyrite along fractures mostly weathered away.	TB11230381
L753849	4 5 6	NAD83	16	440103	5812936	Qtz Monzonite	Wk to mod shearing	1-2% dissem and fracture pyrite	Subangular, approx. 80 cm, with mm scale qtz veinlets parallel to lineation.	TB11230381
L753850	4 5 6	NAD83	16	440136	5812929	Qtz vein/Qtz Monz.	Strong shearing	1-20% fracture pyrite	Subangular to angular, blocky, approx. 70 cm, fractured qtz vein boulder (in Qtz Monz.), rusty with pyrite crystals upto 2 cm along fractures , boulder breaks apart easily .	TB11230381
L753851	4 5 6	NAD83	16	440154	5812905	Qtz Monzonite	Wk shearing	Tr -1% dissem and fracture pyrite	Angular, approx. 40 cm.	TB11230381
L753852	4 5 6	NAD83	16	440143	5812900	Qtz Monzonite	Wk shearing	Tr -1% dissem and fracture pyrite	Slabby, approx. 40 cm. Several other similar weakly sheared, weakly pyritic boulders in vicinity not sampled.	TB11230381
L753853	4 5 6	NAD83	16	440189	5812831	Qtz Monzonite	Wk shearing	1-2% dissem and fracture pyrite	Subangular to subrounded, approx. 1 m.	TB11230381
L753854	4 5 6	NAD83	16	440144	5812813	Qtz Monzonite	Wk shearing	Tr -3% dissem and fracture pyrite	Angular, approx. 30 cm, partially rusty .	TB11230381
L753855	4 5 6	NAD83	16	439905	5812548	Qtz vein	Mod to strong shearing	3% dissem aspy	Angular, blocky, small boulder approx. 20 cm, dark quartz.	TB11230381
L753856	4 5 6	NAD83	16	440602	5812878	Qtz Monzonite	Wk shearing	Tr -1% dissem and fracture pyrite	Angular, approx. 2m, stained orange.	TB11230381

SampNum	Target	Datum	Zone	Easting	Northing	Major Unit	Alteration	Mineralization	Description	Certificate
L753857	4 5 6	NAD83	16	440639	5812934	Qtz vein/shear zone	Strong shearing /sericitic / qtz vein / scorodite	5-20% fg dissem and fracture aspy	Angular, approx. 70 cm, very strong shearing, probable Qtz Monz. host but impossible to be certain, yellow scorodite alteration on surface under lichen. Dark qtz similar to sample L753855.	TB11230381
L753858	4 5 6	NAD83	16	440627	5812954	Qtz Monzonite	Wk to mod shearing	Tr -1% dissem and fracture aspy and fracture pyrite	Angular, blocky, approx. 30 cm.	TB11230381
L753859	4 5 6	NAD83	16	440613	5812955	Qtz Monzonite	Mod shearing	Tr -2% dissem and fracture aspy and pyrite	Angular, approx. 40 cm, partially rusty, aspy and py in brecciated zone.	TB11230381
L753860	4 5 6	NAD83	16	440633	5812965	Qtz Monzonite	Wk shearing	Tr -1% dissem and fracture pyrite	Angular, fractured, approx. 1 m.	TB11230381
L753861	4 5 6	NAD83	16	440613	5812967	Qtz Monzonite	Mod shearing	2-5% dissem and fracture pyrite	Angular, approx. 1 m, pyrite in 20 cm wide shear zone through boulder.	TB11230381
L753862	4 5 6	NAD83	16	440715	5812983	Qtz Monzonite	Wk shearing	Tr -2% dissem and fracture pyrite	Angular, approx. 70 cm fragmented into several pieces, partially rusty.	TB11230381
L753863	4 5 6	NAD83	16	440717	5812989	Qtz Monzonite	Mod shearing	2-10% dissem and fracture aspy and pyrite	Slabby, approx. 40 cm, aspy along fractures upto 3mm thick.	TB11230381
L753864	4 5 6	NAD83	16	440732	5813000	Qtz Monzonite	Wk shearing	Tr -1% dissem and fracture pyrite	Angular, 70 cm, partially rusty.	TB11230381
L753865	4 5 6	NAD83	16	440739	5812912	Qtz Monz.(?)/shear	Mod shearing/siliceous	Tr -10% fracture pyrite	Angular, blocky, approx. 30 cm, light pink very fine grained siliceous shear with net texture py fractures, partially rusty.	TB11230381
L753866	8	NAD83	16	438515	5811922	Leucogranite	Wk to mod shearing	Tr -3% fracture pyrite	Angular, blocky, approx. 25 cm.	TB11230381
L753867	8	NAD83	16	438433	5811982	Leucogranite	Mod to strong shearing/spessartine	1 -3% dissem and fracture aspy and pyrite	Angular, slabby, approx. 80 cm, second boulder 50 cm away probable piece of original - not sampled separately.	TB11230381
L753868	8	NAD83	16	438486	5811942	Leucogranite	Mod shearing/siliceous	Tr -2% dissem and fracture aspy and pyrite	Angular, approx. 70 cm.	TB11230381
L753869	8	NAD83	16	438489	5811940	Leucogranite	Mod shearing/siliceous	1 -3% fg dissem and fracture aspy and pyrite	Angular, blocky cobble approx. 15cm.	TB11230381

SampNum	Target	Datum	Zone	Easting	Northing	Major Unit	Alteration	Mineralization	Description	Certificate
L753870	8	NAD83	16	438500	5812041	Leucogranite/shear	Strong shearing/spessartine	1-5% dissem and fracture aspy and pyrite	Angular, approx. 70 cm, pyrite filling fractures upto 5mm wide, very rusty.	TB11230381
L753871	8	NAD83	16	438480	5812028	Leucogranite	Mod shearing	Tr -2% dissem aspy and pyrite, 1-5% fracture pyrite	Angular, slabby, approx. 1.5 m , very rusty -red and ochre.	TB11230381
L753872	8	NAD83	16	438457	5812002	Leucogranite	Mod shearing	Tr -2% dissem and fracture aspy and pyrite	Angular, approx. 70 cm, partially rusty.	TB11230381
L753873	8	NAD83	16	438450	5811993	Leucogranite	Strong shearing	2-10% dissem and fracture aspy and pyrite	Angular, subangular, approx. 80 cm, partially rusty, black mineral (hornblende or tourmaline?) along fractures..	TB11230380
L753874	8	NAD83	16	438429	5811937	Leucogranite	Mod to strong shearing	Tr -5% dissem and fracture aspy and pyrite	Angular, slabby, approx. 80 cm, partially rusty.	TB11230380
L753875	8	NAD83	16	438416	5811945	Leucogranite/qtz vein	Wk shearing	Tr -2% fracture pyrite	Angular, approx. 60 cm, fractured, pyrite along fractures in qtz vein.	TB11230380
L753876	8	NAD83	16	438417	5811939	Leucogranite	Mod to strong shearing/siliceous	Tr -3% fg dissem and fracture aspy and pyrite	Angular, approx. 1 m, partially rusty.	TB11230380
L753877	8	NAD83	16	438417	5811938	Leucogranite	Mod to strong shearing/siliceous	1-5% fg dissem and fracture aspy and pyrite	Angular, slabby, approx. 70 cm, boulder in two separate pieces, partially rusty.	TB11230380
L753878	8	NAD83	16	438421	5811938	Leucogranite	Wk shearing	Tr -1% dissem and fracture pyrite, poss. aspy	Angular, slabby, approx. 1 m, partially rusty.	TB11230380
L753879	8	NAD83	16	438417	5811933	Leucogranite	Mod to strong shearing	Tr -2% dissem and fracture aspy and pyrite	Slabby, approx. 70 cm ,fractured, rusty.	TB11230380
L753880	8	NAD83	16	438405	5811927	Leucogr/pyritic gosson	Strong shearing	50% fracture pyrite	Samples L753880 and 81 are from the same boulder. Pyritic gosson (880), red-ochre to light ochre, along fracture is approx. 10 cm wide through leucogranite host (881).	TB11230380
L753881	8	NAD83	16	438405	5811927	Leucogranite	Strong shearing/spessartine/siliceous	Tr -2% dissem and fracture aspy and pyrite	Angular, blocky, approx. 1m, rusty with 10 cm pyritic fracture sampled separtely - see above.	TB11230380
L753882	8	NAD83	16	438405	5811918	Leucogranite	Mod shearing/spessartine	Tr -1% dissem and fracture aspy and pyrite	Angular, approx. 80 cm.	TB11230380

SampNum	Target	Datum	Zone	Easting	Northing	Major Unit	Alteration	Mineralization	Description	Certificate
L753883	8	NAD83	16	438425	5811938	Leucogranite	Strong shearing/spessartine	Tr -3% dissem and fracture aspy and pyrite	Angular, approx. 30 cm, rusty.	TB11230380
L753884	8	NAD83	16	438431	5811950	Leucogranite	Mod to strong shearing	Tr -3% dissem and fracture aspy and pyrite	Angular, approx. 30 cm.	TB11230380
L753885	8	NAD83	16	438432	5811951	Leucogranite	Mod to strong shearing/spessartine	Tr -3% dissem and fracture aspy and pyrite	Angular, approx. 80 cm, partially rusty.	TB11230380
L753886	8	NAD83	16	438454	5811978	Leucogranite	Wk to mod shearing/siliceous/spessartine	Tr -2% dissem and fracture aspy and pyrite	Subangular, approx. 70 cm, partially rusty.	TB11230380
L753887	8	NAD83	16	438629	5811983	Leucogranite	Wk to mod shearing/siliceous	Tr -3% dissem and fg fracture aspy and pyrite	Angular, approx. 40 cm.	TB11230380
L753888	8	NAD83	16	438562	5811973	Leucogranite	Wk shearing	Tr -1% dissem and fracture pyrite, poss. Aspy	Angular, approx. 70 cm, partially rusty.	TB11230380
L753889	8	NAD83	16	438473	5812000	Leucogranite/qtz vein	Wk to mod shearing	Tr -1% dissem pyrite, poss. aspy, 5% fracture pyrite	Angular, approx. 70 cm with 5 cm wide pyritic fracture, pyrite upto 5 mm.	TB11230380
L753890	8	NAD83	16	438482	5812020	Leucogranite	Mod shearing	Tr -2% dissem and fracture aspy and pyrite	Subangular, approx. 80 cm, partially rusty.	TB11230380
L753891	8	NAD83	16	438468	5812016	Leucogranite	Strong shearing/sericitic/scorodite	1-5% fg dissem and fracture aspy and pyrite	Angular, blocky, approx. 70 cm, schistose, yellow-green scorodite, partially rusty.	TB11230380
L753892	8	NAD83	16	438479	5812037	Leucogranite	Mod to strong shearing/sericitic	Tr -2% dissem and fracture aspy and pyrite	Angular, approx. 60 cm, schistose, partially rusty.	TB11230380
L753893	8	NAD83	16	438493	5812036	Leucogranite	Very strong shearing/sericitic/scorodite	2-10% vf to fg dissem and fracture aspy and pyrite	Angular to subangular, approx. 80 cm, yellow-green scorodite, partially rusty. Several weakly sheared, weakly pyritic boulders in vicinity not sampled.	TB11230380
L753894	8	NAD83	16	438504	5812061	Leucogranite	Very strong shearing/siliceous/sericitic	Tr -2% dissem and fracture aspy and pyrite	Angular to subangular, approx. 80 cm, schistose, partially rusty. Several weakly sheared, weakly pyritic boulders in vicinity not sampled.	TB11230380
L753895	8	NAD83	16	438536	5812094	Leucogranite	Very strong shearing/scorodite	10-20% dissem and fracture aspy and pyrite	Slabby, approx. 1 m, schistose, rusty with partial black scorodite coating	TB11230380
L753896	8	NAD83	16	438538	5812095	Leucogranite	Strong shearing/scorodite	Tr -5% dissem and fracture aspy and pyrite	Slabby, approx. 70 cm, rusty.	TB11230380

SampNum	Target	Datum	Zone	Easting	Northing	Major Unit	Alteration	Mineralization	Description	Certificate
L753897	8	NAD83	16	438537	5812102	Leucogranite	Very strong shearing/sericitic	Tr -2% dissem and fracture aspy and pyrite	Angular to subangular, approx. 70 cm, schistose.	TB11230380
L753898	8	NAD83	16	438535	5812109	Leucogranite	Very strong shearing/sericitic/scorodite	10 to 50% dissem and fracture aspy	Angular, slabby, approx. 80 cm, schistose, yellow-green scorodite, partial black scorodite coating and partially rusty.	TB11230380
L753899	8	NAD83	16	438539	5812109	Leucogranite/qtz vein	Mod shearing	Tr dissem and fracture aspy and py, 20% fracture pyrite assoc. with qtz vein	Angular, approx. 70 cm with 5 cm wide qtz vein.	TB11230380
L753900	8	NAD83	16	438539	5812118	Leucogranite	Very strong shearing/sericitic/siliceous	Tr -2% dissem and fracture aspy and pyrite	Angular, blocky, approx. 70 cm, schistose, partially rusty.	TB11230380
L753901	8	NAD83	16	438550	5812128	Leucogranite	Very strong shearing/sericitic	Tr -2% dissem and fracture aspy and pyrite	Angular, blocky, approx. 70 cm, schistose, partially rusty.	TB11230380
L753902	8	NAD83	16	438548	5812127	Leucogranite	Very strong shearing	1 -3% dissem and fracture aspy and pyrite	Slabby, approx. 1 m, broken in two pieces, schistose, partially rusty.	TB11230380
L753903	8	NAD83	16	438541	5812107	Leucogranite	Very strong shearing/sericitc/siliceous/scorodite	1-5% dissem and fracture aspy and pyrite	Angular, blocky, approx. 80 cm, schistose, partially rusty. Other rusty and partially rusty moderate, strong and probable very strong shear altered leucogranite boulders in vicinity not sampled due to time constraints.	TB11230380

Table 2: Assay Results

SampNum	EAST_NAD83	NORTH_NAD83	Certificate	Au-AA23 Au g/t	Au-GRA21 Au g/t	Au-SCR21 Au Total g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm
L753801	440127	5812420	TB11230381	0.215			0.6	6.93	102.5	530	1.04	0.78	2.23	0.33	48.5
L753802	440135	5812418	TB11230381	0.528			0.37	6.58	670	1050	1.41	0.36	0.68	<0.02	100
L753803	440153	5812401	TB11230381	1.225			0.24	5.42	1810	900	1.56	5.66	0.67	0.02	52.2
L753804	439864	5812573	TB11230381	0.021			0.33	7.57	3550	1330	0.95	1.88	0.78	0.03	42.4
L753805	439994	5812441	TB11230381	1.005			10.9	6.16	49.4	1260	0.86	3.52	0.7	0.57	66.8
L753806	440020	5812435	TB11230381	0.006			0.44	6.9	6.2	710	1	0.13	1.67	0.04	47.4
L753807	439981	5812634	TB11230381	0.485			0.1	6.85	584	900	1.13	0.17	0.77	0.03	23.4
L753808	439831	5812620	TB11230381	0.011			0.58	3.81	372	410	0.39	0.15	0.25	<0.02	30.2
L753809	440019	5812718	TB11230381	0.05			0.22	6.66	36	880	1.2	0.37	0.65	<0.02	37.5
L753810	440261	5812531	TB11230381	1.91			0.39	6.9	409	900	1.51	1.07	0.81	0.04	78.9
L753811	440472	5812424	TB11230381	0.012			0.07	6.67	9.4	910	0.71	0.17	0.95	<0.02	16.05
L753812	440471	5812424	TB11230381	0.052			0.05	6.59	4.8	1200	1.1	0.15	0.43	<0.02	78.1
L753813	440474	5812424	TB11230381	0.063			0.09	5.92	8.2	1180	0.91	0.4	0.65	<0.02	56.1
L753814	440067	5812480	TB11230381	0.396			0.13	6.7	179.5	920	1.16	0.37	0.76	<0.02	89.1
L753815	440125	5812455	TB11230381	0.602			0.24	6.44	1965	940	1.06	0.08	0.59	0.03	45.8
L753816	440129	5812443	TB11230381	2.1			0.17	7.11	250	280	0.82	0.47	0.2	<0.02	3.69
L753817	440130	5812445	TB11230381	1.425			0.35	7.55	278	250	0.95	0.63	0.51	0.02	55.3
L753818	440134	5812441	TB11230381	<0.005			0.2	6.39	6.8	150	1.14	0.05	2.45	0.08	30.7
L753819	440148	5812451	TB11230381	0.019			0.25	6.07	9.5	430	2.19	0.85	1.08	<0.02	13.15
L753820	440161	5812453	TB11230381	0.056			0.34	6.53	57.2	690	1.42	0.52	0.79	0.08	57.6
L753821	440129	5812433	TB11230381	0.142			0.07	7.23	110.5	720	1.17	0.09	1.26	0.09	79.4
L753822	440291	5812459	TB11230381	0.098			0.28	8.02	12.3	1260	2.69	0.97	0.97	<0.02	7.89
L753823	440296	5812453	TB11230381	1.34			0.21	6.28	1910	990	1.63	0.44	0.65	0.03	54.2
L753824	440283	5812458	TB11230381	0.209			0.24	5.94	18.9	1000	1.53	1.68	0.5	<0.02	96.5
L753825	440340	5812420	TB11230381	0.189			0.19	6.19	9.3	830	1.6	4.54	0.67	<0.02	63.4
L753826	440389	5812411	TB11230381	0.209			0.12	6.5	299	610	1.84	0.12	0.34	<0.02	40.9
L753827	440363	5812409	TB11230381	0.014			0.3	8.24	3.5	2980	1.08	1.46	0.74	<0.02	20.8
L753828	440111	5812739	TB11230381	0.824			0.14	5.46	65.9	680	1.71	0.16	0.65	0.06	16.75
L753829	440296	5812486	TB11230381	0.11			0.13	6.79	80.6	710	1.4	0.14	0.89	0.08	48.3
L753830	440294	5812484	TB11230381	1.435			0.16	5.64	363	460	1.08	0.21	1.04	0.08	41.2
L753831	440296	5812483	TB11230381	0.383			0.17	6.22	336	810	1.58	0.23	1.04	0.03	96.3
L753832	440363	5812439	TB11230381	0.946			0.74	6.85	4350	930	2.66	0.26	0.98	0.02	23.5
L753833	440353	5812430	TB11230381	0.342			0.11	6.69	1060	830	1.59	0.15	0.78	0.02	54.8
L753834	440392	5812420	TB11230381	0.106			0.08	6.89	90.8	710	1.34	0.17	1.17	0.12	110
L753835	440500	5812428	TB11230381	0.019			0.1	7.22	2080	1230	2.67	0.3	0.69	0.02	35.5
L753836	440557	5812442	TB11230381	2.81			0.82	5.63	8.7	130	2.41	41.3	0.91	<0.02	17.5

SampNum	EAST_NAD83	NORTH_NAD83	Certificate	Au-AA23 Au g/t	Au-GRA21 Au g/t	Au-SCR21 Au Total g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm
L753837	440559	5812451	TB11230381	0.045			0.19	6.14	69.2	910	1.42	6.04	0.28	<0.02	37.8
L753838	440733	5812605	TB11230381	0.517			0.28	6.52	604	1110	1.5	1.55	0.59	<0.02	24.3
L753839	440706	5812645	TB11230381	3.72			0.57	5.39	1880	910	1.48	1.84	0.3	<0.02	28.3
L753840	440700	5812627	TB11230381	0.058			0.14	6.61	162	870	2.28	0.56	0.51	<0.02	86.8
L753841	440752	5812664	TB11230381	4.56			0.32	6.64	13.8	790	1.83	60.6	1	<0.02	18.7
L753842	440649	5812647	TB11230381	1.48			0.33	6.52	20.1	880	1.94	6.5	0.72	0.03	107
L753843	440655	5812644	TB11230381	0.361			0.24	8.73	20.8	370	2.74	2.99	0.95	0.04	47.1
L753844	440655	5812642	TB11230381	0.593			0.17	7.1	489	560	2.48	1.61	1.12	<0.02	52.3
L753845	440198	5812974	TB11230381	0.232			0.17	6.89	242	690	2.08	0.33	1.28	0.05	60
L753846	440083	5812973	TB11230381	0.363			0.09	6.1	117	700	1.69	0.13	0.81	0.02	25.8
L753847	440024	5812934	TB11230381	0.017			0.13	6.52	49	790	1.72	0.13	1.09	0.02	12.45
L753848	440054	5812939	TB11230381	0.017			0.33	2.54	43.1	790	0.28	0.45	0.31	0.04	6.17
L753849	440103	5812936	TB11230381	0.116			0.49	6.57	134.5	660	1.61	0.3	1.28	0.02	10.85
L753850	440136	5812929	TB11230381	0.017			0.89	1.93	26	220	0.42	1.45	0.19	0.18	16.2
L753851	440154	5812905	TB11230381	0.013			0.08	6.19	44.4	750	1.43	0.28	0.98	0.02	72.2
L753852	440143	5812900	TB11230381	0.01			0.07	7.19	643	960	1.75	0.35	1.36	0.05	23.4
L753853	440189	5812831	TB11230381	0.33			0.1	6.61	131	510	1.36	0.14	1.39	0.02	58.5
L753854	440144	5812813	TB11230381	2.3			0.33	7.36	315	750	1.43	0.35	1.48	0.06	28
L753855	439905	5812548	TB11230381	0.011			0.09	7.25	5.1	120	0.33	0.05	6.97	0.11	19
L753856	440602	5812878	TB11230381	0.564			0.45	6.45	1255	810	1.54	0.24	0.84	0.03	99.7
L753857	440639	5812934	TB11230381	1.01			0.12	6.39	>10000	940	1.23	3.85	0.23	<0.02	55.1
L753858	440627	5812954	TB11230381	0.174			0.01	8.44	4370	1290	2.65	0.14	0.93	<0.02	41.5
L753859	440613	5812955	TB11230381	1.735			0.41	6.46	3930	550	1.68	0.73	0.12	0.02	77.8
L753860	440633	5812965	TB11230381	0.195			0.13	7.25	72	920	1.61	0.67	1.17	0.06	65
L753861	440613	5812967	TB11230381	0.066			0.08	6.8	111.5	850	2.26	0.14	1.29	0.17	61.7
L753862	440715	5812983	TB11230381	0.198			0.06	7.45	346	770	1.43	0.15	1.31	0.12	73.9
L753863	440717	5812989	TB11230381	1.86			0.56	7.54	>10000	910	1.8	1.13	1.1	3.08	76.1
L753864	440732	5813000	TB11230381	0.342			0.13	7.11	1850	860	1.49	0.21	0.66	0.09	93.2
L753865	440739	5812912	TB11230381	0.252			0.21	5.93	73.3	570	1.05	0.35	0.26	0.02	54.4
L753866	438515	5811922	TB11230381	0.461			0.42	8.22	43.9	1180	3.6	6.01	0.14	0.21	86.1
L753867	438433	5811982	TB11230381	0.109			0.06	6.57	1005	1080	1.51	0.92	0.37	0.04	101
L753868	438486	5811942	TB11230381	0.163			0.29	7.21	3640	1140	1.67	0.38	0.72	0.05	91.3
L753869	438489	5811940	TB11230381	0.271			0.24	5.69	36.3	700	1.81	0.81	0.12	0.05	71.7
L753870	438500	5812041	TB11230381	0.149			1.69	7.77	10.4	980	2.23	1.93	0.2	0.03	32.5
L753871	438480	5812028	TB11230381	0.358			0.18	7.13	297	1110	2.32	1.09	0.11	0.09	47
L753872	438457	5812002	TB11230381	0.413			0.12	6.41	3630	760	1.99	0.65	0.17	0.03	92.9
L753873	438450	5811993	TB11230380	0.405			0.47	6.3	57.9	820	1.63	3.7	0.08	<0.02	28.1
L753874	438429	5811937	TB11230380	0.116			0.11	7.27	150.5	1280	2.54	0.91	0.23	3.51	110

SampNum	EAST_NAD83	NORTH_NAD83	Certificate	Au-AA23 Au g/t	Au-GRA21 Au g/t	Au-SCR21 Au Total g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm
L753875	438416	5811945	TB11230380	0.058			0.87	2.24	132.5	290	1.37	2.25	0.19	0.54	19
L753876	438417	5811939	TB11230380	1.18			0.45	5.91	344	880	1.75	0.34	0.13	0.33	104
L753877	438417	5811938	TB11230380	1.51			0.94	5.53	235	840	1.52	0.18	0.08	0.19	58.4
L753878	438421	5811938	TB11230380	2.56			0.65	5.48	32	910	1.18	0.19	0.1	0.1	111.5
L753879	438417	5811933	TB11230380	1.075			0.4	5.77	6420	1090	2.33	0.97	0.08	0.02	38.7
L753880	438405	5811927	TB11230380	1.03			0.82	6.22	882	720	2.36	2.35	0.24	0.02	7.28
L753881	438405	5811927	TB11230380	0.649			0.17	5.98	1530	460	5.09	0.75	0.91	0.03	15.6
L753882	438405	5811918	TB11230380	0.163			0.47	6.29	792	460	3.13	2.54	0.74	<0.02	19.4
L753883	438425	5811938	TB11230380	0.08			0.42	6.47	3710	1010	1.83	1.02	0.13	<0.02	29.5
L753884	438431	5811950	TB11230380	0.018			0.08	5.35	60.6	580	2.05	0.17	0.17	0.04	262
L753885	438432	5811951	TB11230380	0.051			0.35	6.1	315	460	2.98	0.97	0.83	0.14	89.9
L753886	438454	5811978	TB11230380	0.133			0.06	5.52	179.5	880	1.33	0.16	0.11	0.02	66.7
L753887	438629	5811983	TB11230380	0.429			0.39	6.29	2470	950	1.47	0.48	0.62	0.03	101
L753888	438562	5811973	TB11230380	0.877			0.25	6.29	3610	980	1.64	9.35	0.93	<0.02	53.6
L753889	438473	5812000	TB11230380	0.219			0.32	7.45	90.7	950	2.75	0.47	1.33	0.22	39.9
L753890	438482	5812020	TB11230380	0.018			0.07	5.86	55.4	770	1.21	0.36	0.08	0.04	81
L753891	438468	5812016	TB11230380	0.048			0.08	6.32	4240	1070	2.46	1.22	0.08	<0.02	7.53
L753892	438479	5812037	TB11230380	0.178			0.25	6.54	12.2	880	2.02	6.74	0.13	<0.02	6.41
L753893	438493	5812036	TB11230380	0.365			0.43	5.82	>10000	670	1.99	2.37	0.15	<0.02	47.1
L753894	438504	5812061	TB11230380	0.098			0.14	5.75	248	920	1.68	0.26	0.12	<0.02	9.27
L753895	438536	5812094	TB11230380	1.495			76.9	9.33	>10000	1080	3.34	201	0.05	0.04	72.3
L753896	438538	5812095	TB11230380	0.901			0.2	5.68	641	810	2.5	0.65	0.13	0.03	14.1
L753897	438537	5812102	TB11230380	0.047			0.2	5.35	1500	410	2.78	0.61	0.03	<0.02	52.1
L753898	438535	5812109	TB11230380	3.91			190	10.35	>10000	1070	3.57	590	0.07	0.11	109
L753899	438539	5812109	TB11230380	0.725			0.94	4.47	71.4	180	2.73	1.55	1.11	<0.02	113
L753900	438539	5812118	TB11230380	0.857			2.66	6.19	43.3	620	3.34	1.66	0.12	<0.02	13.95
L753901	438550	5812128	TB11230380	>10.0	13.95	12.3	0.84	6.58	196	690	2.96	0.75	0.03	<0.02	9.64
L753902	438548	5812127	TB11230380	0.213			0.37	5.72	1535	490	2.56	0.23	0.11	<0.02	84.9
L753903	438541	5812107	TB11230380	0.792			1.13	5.35	4050	400	1.18	1.85	0.15	<0.02	3.54

SampNum	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La pm	Li ppm	Mg %	Mn	Mo	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
L753801	15.5	52	1.02	292	3.46	13.5	0.05	2.9	0.037	2.03	25.1	14	1.11	538	0.36	2.83	6.5	38.7	440	14.4
L753802	4.2	12	1.4	2	1.86	14.35	0.1	5.3	0.01	2.89	53.1	13.4	0.24	199	1.65	2.72	9.8	2.2	380	13.2
L753803	2.6	16	3.53	9.7	1.9	17.75	0.09	5.9	0.056	2.73	31.7	12.5	0.2	179	2.32	1.97	7	2.5	240	14.7
L753804	1.3	43	2.31	289	3.37	18.25	0.07	4	0.051	3.7	25	24.5	0.55	436	0.62	1.25	7.2	16.8	550	5
L753805	30	14	5.46	2110	3.21	13.1	0.1	4.5	1.15	3.51	34.8	16.9	0.25	339	0.64	2.48	9.4	2.7	280	60.4
L753806	5.1	46	10.85	16.7	2.74	12.95	0.06	3.1	0.032	2.33	22.1	23.9	0.86	767	0.61	2.55	6.3	17.2	400	8.2
L753807	2.9	15	1.22	3.2	2.18	13.3	<0.05	4.9	0.031	3.22	10.7	18.1	0.29	252	1.46	2.66	5.4	3.4	380	18.7
L753808	1.8	26	0.35	38.9	2.28	6.27	0.05	1.7	0.014	1.41	17.7	11.7	0.45	179	2.11	1.34	3	6.8	300	16
L753809	2.4	18	2.73	15	2.11	13.9	<0.05	4.9	0.034	2.88	17.6	15.7	0.27	254	1.71	2.83	7.8	2.2	430	14.6
L753810	2.8	13	1.66	13.4	2.22	13.9	0.09	5.5	0.029	3	40.8	17.3	0.26	249	1.55	2.89	6	2.4	310	18.3
L753811	3.1	17	0.82	4.8	2.22	11.4	<0.05	3.2	0.032	1.09	9.4	12.3	0.42	241	0.28	3.55	3.5	6.5	380	6.8
L753812	3.4	13	1.65	11.4	2.2	13.1	0.11	5.3	0.014	3.37	40.7	11.8	0.22	289	2.71	2.81	10.3	1.8	280	8.6
L753813	2.5	12	1.41	21.3	2.48	10.8	0.06	4.9	0.012	2.89	27.7	9.3	0.19	358	2.87	2.4	9.6	1.6	240	8.4
L753814	2.2	13	3.01	7.2	1.97	13.2	0.1	4.8	0.019	2.97	48.2	15.6	0.31	213	1.49	2.86	9.4	2.3	450	11.5
L753815	1.2	11	1.41	1.9	1.94	12.25	0.07	5.1	0.026	3.06	22.6	18.9	0.25	223	1.58	2.43	6	2.1	350	13.3
L753816	2.2	12	0.52	2.1	2.72	17.6	<0.05	5.6	0.013	0.89	2	9.2	0.03	111	0.36	5.28	8.5	0.9	290	7.5
L753817	5.9	15	1.89	4.2	4.17	22.4	0.09	6.7	0.018	0.9	27.8	10.2	0.12	173	0.5	4.81	15.5	2	460	7.6
L753818	8.3	49	1.43	63.8	1.92	12.1	0.05	2.6	0.019	0.69	14.8	13	0.64	340	0.25	2.83	5.1	22.3	330	10.2
L753819	9	17	2.63	160	2.81	14.1	0.05	6.3	0.028	1.55	6.7	17.1	0.24	223	0.47	3	10.4	2.8	310	8.4
L753820	45.3	16	3.14	231	3.66	15.2	0.07	6	0.034	1.93	28.1	14.5	0.16	245	0.92	3.22	11.4	2.6	270	29.8
L753821	4.7	15	1.02	7.2	2.36	18.1	0.16	5.1	0.03	1.59	37.8	15.4	0.43	392	0.97	3.19	10.9	5.8	500	17
L753822	4.5	8	8.49	17.6	12.05	26.3	0.28	6.3	0.029	2.56	6.8	28.4	0.53	604	1.13	3.71	16.3	2.1	300	9
L753823	1.6	9	2.69	4.1	1.84	20.2	0.15	6.4	0.052	3.47	25.8	21	0.25	306	2.07	2.51	9.5	1.9	290	14.1
L753824	9.4	14	1.57	103	2.82	15.95	0.19	5.6	0.016	2.57	44	12	0.21	301	1.06	2.74	12.9	3.8	290	10.4
L753825	6.9	13	2.18	104	2.57	18.1	0.17	6.8	0.03	2.77	28.2	20.3	0.3	239	1.38	2.95	14.9	3.1	340	9.2
L753826	0.7	14	0.77	2.2	1.22	16.95	0.12	6	0.02	3.24	17.8	8.6	0.15	82	1.31	2.59	11.4	1.5	240	19.9
L753827	16.5	10	7.93	144	5.15	19.55	0.18	7.7	0.034	4.57	14.7	19	0.34	602	0.45	2.94	17	1.3	430	12.1
L753828	2.9	15	1.52	6.8	1.74	16.85	0.12	4.6	0.04	2.6	7.6	17.4	0.25	160	1.51	1.85	4.3	2.9	280	20.4
L753829	3.5	12	1.32	6.9	2.03	17.9	0.15	5.2	0.027	3.12	22.2	12.1	0.33	251	1.11	2.45	6.6	3.5	400	22.2
L753830	4.8	17	0.69	1.6	3.12	14.05	0.15	5.2	0.024	1.56	22.2	13.9	0.32	287	1.76	2.25	3.9	4.7	500	20
L753831	2.1	12	0.89	4.1	1.81	17.45	0.17	5.1	0.035	2.41	46.5	12.9	0.33	229	1.08	2.35	4.1	2.1	510	17.7
L753832	6.2	13	2.59	58.8	3.11	23.7	0.14	6	0.062	3.54	14.5	22.3	0.28	279	2.1	2.03	5.6	5.4	270	13.8
L753833	2.3	17	2.66	3.1	1.98	17.15	0.14	5.7	0.043	3.03	23.9	17.9	0.25	317	1.27	2.67	9.1	2.3	310	10.3
L753834	5.8	21	1.66	3.1	2.47	17.95	0.19	5.6	0.027	2.45	52.8	19.5	0.44	480	2.38	3.01	9.4	5.8	540	16.3
L753835	10.5	10	1.93	98.4	2.39	19.9	0.15	7	0.058	3.46	16.9	22.5	0.23	311	1.84	2.59	15.1	3	330	8.2
L753836	85.1	9	4.15	572	7.39	19.9	0.22	6.2	0.095	3.33	8.6	14.4	0.18	334	0.88	1.83	14.9	6.4	270	11.6
L753837	5.4	13	2.99	10.9	1.67	18.6	0.12	7.1	0.021	3.23	21.8	16.3	0.11	73	8.38	3.17	10	1.5	270	10
L753838	4.7	12	4.51	19.1	1.98	16.75	0.14	6.2	0.012	3.1	14.3	18.8	0.19	132	0.52	2.76	11.3	2	300	12.1

SampNum	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La pm	Li ppm	Mg %	Mn	Mo	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
L753839	2	14	1.82	7	2.57	18.85	0.14	4	0.05	3.26	13.9	21.3	0.19	140	4.13	1.63	2.7	1.5	100	20.4
L753840	2.8	11	1.82	3.7	1.82	21.3	0.18	6.8	0.028	3.03	41.1	26.9	0.26	149	8.48	3.14	7.9	1.6	360	12.7
L753841	7.7	12	6.91	26.6	3.07	17.35	0.14	6.1	0.041	1.99	11.6	19.6	0.29	238	3.47	3.14	13.6	1.3	350	10.4
L753842	4.2	14	2.77	58.3	2.26	18.55	0.2	6.7	0.025	3	49.3	20.5	0.24	214	1.42	2.91	15.1	2.8	300	15.5
L753843	19.2	8	2.7	197	3.72	25.5	0.19	7.9	0.082	1.51	19.7	16.9	0.26	248	0.4	5.32	17.5	3.1	280	7.3
L753844	12.8	15	1.59	100	3.67	18.35	0.19	6.2	0.038	1.76	22	17.7	0.17	185	0.74	3.52	14.3	2.5	310	8
L753845	4.6	15	6.41	9.8	2.46	17.15	0.15	5.8	0.019	2.48	27.2	26	0.45	334	1.13	2.82	14.3	4.4	500	15.5
L753846	1.4	14	1.14	0.9	2.02	16.35	0.12	4.6	0.031	3	16.3	20.3	0.33	191	4.5	1.83	3.1	2.6	430	15.2
L753847	1.8	10	3.84	2.1	2.18	18.15	0.12	5	0.028	2.76	5.3	20.8	0.43	272	2.44	2.61	10.5	4.4	430	21.1
L753848	3.3	20	5.18	52.1	3.21	5.08	0.12	1.3	0.01	1.89	3.3	5.7	0.1	200	1.3	0.53	3	3	130	22
L753849	3.5	10	2.55	6	2.4	17.95	0.11	4.5	0.023	2.42	7.9	19	0.41	303	1.36	2.25	5.2	2.5	400	19.8
L753850	56.5	15	5.29	756	7.12	4.54	0.18	1.5	0.012	0.67	8	6.8	0.1	149	0.71	0.76	4.3	39.5	150	30.6
L753851	5.1	18	3.49	25	2.28	17.35	0.18	5.4	0.014	2.65	31.6	21.5	0.39	269	3.07	2.61	11.7	5	450	11.6
L753852	1.8	12	2.56	21.2	2.65	17.85	0.14	5.3	0.061	2.31	10.6	21.1	0.41	429	0.94	2.72	13.1	2.8	430	9.2
L753853	2.2	13	1.15	5	2.59	17.05	0.14	5.2	0.029	0.75	29.3	11.3	0.41	317	0.83	3.38	9.9	3.5	500	27.4
L753854	6.7	30	2.27	14.5	2.94	17.95	0.14	4.8	0.027	2.47	11.4	13.9	0.65	374	0.85	2.67	10.9	11.6	480	21.6
L753855	88.8	61	0.76	340	8.86	16.1	0.22	1.1	0.047	0.33	8.5	5	3.57	1400	0.94	1.8	2.5	48.6	290	2.8
L753856	3.2	14	1.97	7.1	2.01	16.45	0.17	6	0.029	2.91	45.6	21.1	0.25	314	1.11	2.81	12.2	3.8	330	16.3
L753857	16.5	14	1.82	0.7	4.94	17.8	0.15	5.3	0.152	3.66	27.6	45.6	0.21	157	1.4	0.69	13.8	5	380	5.7
L753858	6.7	13	5.69	4.5	2.41	26	0.12	6.7	0.138	4.37	16.4	57.3	0.39	262	0.45	2.75	16.6	4.7	520	15.2
L753859	6.3	14	1.01	22.3	1.85	15.8	0.13	3.2	0.039	3.25	44.7	19.3	0.11	70	2.71	2.64	9.2	1.1	90	24.8
L753860	5.2	15	1.12	33.7	2.72	16.15	0.14	5	0.027	2.67	37.1	28.2	0.39	367	1.39	2.79	11	4.5	460	9.6
L753861	5.1	13	0.8	0.6	2.48	17.2	0.15	5.2	0.034	2.47	33	16.4	0.41	271	1.24	2.51	4.2	4.8	490	24.3
L753862	5.6	16	1.31	6.6	2.6	16.45	0.15	4.9	0.028	2.63	40.2	19.6	0.47	408	0.92	3.09	9.2	5.6	570	18.8
L753863	8.2	25	1.3	9.7	3.17	18.7	0.15	4.5	0.1	3.33	43	24.4	0.54	311	0.6	2.51	4	16	590	54.4
L753864	1.6	13	1.8	4.9	1.97	15.3	0.14	5.5	0.029	3.01	51.6	21.3	0.29	232	1.83	2.95	10.8	2.4	500	17.2
L753865	3.5	24	0.56	2.1	2.18	12.65	0.12	3.8	0.021	2.57	28.7	5.6	0.19	115	1.29	2.63	6	3.4	330	19.4
L753866	11.6	7	15.45	177	4.74	30.1	0.2	6.4	0.285	4.33	45.6	90.2	0.04	406	8.03	1.6	21	1	20	179
L753867	2.5	13	4.85	28.6	1.97	15.65	0.16	5.9	0.022	3.78	50.3	19.2	0.03	475	4.29	2.22	17.4	0.8	30	9.9
L753868	7.5	14	1.74	12.7	2.27	16.25	0.16	5.7	0.025	3.41	49.1	15.6	0.24	296	0.92	3.04	13.6	2.7	320	11.3
L753869	8.6	11	20.6	315	2.84	22.1	0.15	4.9	0.508	3.02	37.9	24.6	0.03	139	5.86	1.37	15.2	0.8	30	15.4
L753870	3.7	10	16.2	171.5	2.98	22.7	0.14	7.1	0.097	4.83	16.4	18.9	0.03	598	21	1.92	19.1	1	20	26.3
L753871	29.2	10	21.9	166.5	4.56	19.5	0.16	6.6	0.036	3.8	22.7	33	0.03	192	33.7	1.69	21.1	2	30	26.8
L753872	15.6	12	14.95	57.9	2.44	16	0.18	5.6	0.026	2.99	49.5	20.8	0.03	112	1.3	2.22	17.3	1.1	20	9
L753873	16	9	19	188	4.02	20	0.14	7.2	0.186	3.06	14.1	33.5	0.03	177	396	1.61	19.8	1.6	20	57.9
L753874	6.9	8	26.6	94	2.76	20.5	0.17	7.7	0.136	4.08	51.2	40.1	0.03	291	3.44	1.58	19.4	0.9	30	14.3
L753875	0.7	21	2.18	60.7	1.41	8.82	0.08	2.5	0.088	1.07	9.6	6.3	0.02	350	1.38	0.33	8.1	1.4	20	50.2
L753876	1.3	17	2.6	67.1	1.68	16.35	0.15	4.7	0.056	3.27	49.3	6.6	0.02	111	2.52	2.31	13.5	1.1	30	20.2

SampNum	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La pm	Li ppm	Mg %	Mn	Mo	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
L753877	0.5	14	2.76	59.9	1.11	14.9	0.13	5.5	0.046	3.24	30.3	5.8	0.02	66	3.06	1.74	10.3	1	30	14.8
L753878	0.5	15	2.51	23.8	1.21	15.6	0.18	5.5	0.045	3.25	53.2	5.5	0.02	73	2.08	2.31	10.8	0.7	40	13.2
L753879	5.3	9	17.6	10.9	1.51	20.7	0.12	5.4	0.072	4.24	25.9	25.3	0.07	65	2.23	1.66	14.5	1	70	15.1
L753880	6.2	16	9.83	83.3	4.14	16.1	0.13	9.9	0.027	3.63	4.8	6.9	0.01	1220	9.26	2.27	40.5	1.5	50	21.7
L753881	7.4	11	6.63	68.8	1.58	17.9	0.1	6.8	0.02	1.6	7.6	15.9	0.02	256	1.99	2.64	16.8	1.1	30	6.9
L753882	0.9	12	16.8	76.4	2.19	20	0.11	7.3	0.094	2.03	12.5	22.8	0.03	633	2.37	2.48	19.4	2	30	16.3
L753883	4.7	9	17.45	70	2.34	19.95	0.14	5.6	0.033	4.65	16.6	18.6	0.02	106	1.32	1.31	16.5	1.1	30	17.2
L753884	1.7	14	8.37	56.6	1.41	16.55	0.33	5.9	0.024	3.23	124.5	11.1	0.02	251	1.37	2.33	13.7	1.2	20	9
L753885	9.8	13	29.2	249	2.54	17.25	0.19	6.4	0.392	2.41	44.3	27.4	0.03	652	2.26	1.71	15.2	1	30	11.2
L753886	2.5	17	10.65	16.5	1.2	16.7	0.17	6.6	0.014	3.47	33.1	14.1	0.02	88	2	2.32	17.1	1	20	11
L753887	7	16	1.91	5.5	2.26	16.4	0.2	5.9	0.014	3.07	51.2	20.1	0.25	273	1.41	2.46	12.5	3.9	360	10.8
L753888	2.2	13	3.8	3.1	1.95	16.95	0.16	6.5	0.046	3.23	28.7	14.5	0.27	195	2.04	2.42	6.7	2.8	340	14.2
L753889	6.1	13	7.48	5.5	2.63	15.6	0.17	5.7	0.035	4.3	21.2	22.6	0.48	260	1.58	2.38	13.4	5.8	500	31.5
L753890	1.6	13	9.28	65.5	2.31	18.35	0.19	6.8	0.063	3.34	39.9	24.4	0.02	170	2.3	1.91	17.2	1.3	30	25.2
L753891	14.7	8	14.55	23.5	2.63	21.3	0.11	7.5	0.04	3.53	6.9	38.9	0.03	160	3.85	0.86	20	1.1	40	7.3
L753892	5.5	14	39.3	82.1	3.54	21.9	0.14	6.3	0.108	3.26	3.3	42.2	0.02	331	7.29	1	17.6	1	20	11.8
L753893	21.9	8	16.1	142.5	2.65	18.1	0.14	6.2	0.048	3.21	27.8	27.1	0.02	122	1.94	0.7	17.8	0.8	20	7.4
L753894	0.9	10	11.9	27.3	1.56	16.3	0.09	6.4	0.049	4.28	5.2	7.5	0.02	80	3.41	0.94	15.6	1.1	30	10.5
L753895	5.9	6	27.1	1.9	3.79	27.4	0.18	9.8	0.101	5.42	34.7	24.4	0.08	120	20	0.24	21.4	1.4	120	211
L753896	7.7	11	11.9	78	1.24	19.45	0.08	7.1	0.065	2.95	7.4	32.2	0.03	110	4.68	2.43	17.3	1.1	30	12.2
L753897	1.3	7	13.4	4.8	1.33	17.15	0.11	5.5	0.054	2.68	27.6	24.7	0.06	94	2.82	0.06	13.8	0.9	60	3
L753898	13.1	4	30.3	3.2	5.98	30.9	0.27	9.7	0.145	5.68	50.3	25.4	0.08	127	49	0.3	26.6	1.7	120	349
L753899	43.5	23	32.1	86.3	8.06	12.7	0.28	3.8	0.026	0.82	55.8	39.8	0.49	355	0.84	1.73	9.3	75.7	820	11.2
L753900	1.5	13	42.5	26.5	1.85	18.7	0.12	6.7	0.091	2.93	7.7	49.5	0.05	108	1.82	0.82	17.6	1.1	30	14.7
L753901	1	8	41.2	3.6	1.49	20	0.09	6.9	0.04	3.63	6.2	37.9	0.05	103	12.75	0.1	17.2	0.9	60	5.3
L753902	3.3	7	9.38	38.1	1.51	17.95	0.16	6.2	0.04	2.8	42.5	21.8	0.05	97	2.01	0.2	14.5	0.7	50	5.1
L753903	17.2	15	12.3	264	3.69	19.1	0.13	5.6	0.027	1.64	2.4	10.3	0.02	68	0.49	2.69	11.5	2.4	20	7.9

SampNum	Rb ppm	Re ppm	S %	Sb pm	Sc pm	Se ppm	Sn pm	Sr ppm	Ta pm	Te ppm	Th ppm	Ti ppm	Tl ppm	U ppm	V ppm	W pm	Y ppm	Zn ppm	Zr ppm
L753801	64.5	<0.002	0.73	0.24	8.5	1	1.6	209	0.68	0.06	8.5	0.258	0.3	1.7	72	0.8	10.5	66	97.9
L753802	95.6	<0.002	0.62	0.69	6.6	1	1.7	97.8	0.96	0.05	14	0.211	0.46	3.9	17	2.5	18.7	15	194.5
L753803	99.7	<0.002	0.56	0.88	6.9	2	2	68.5	0.79	<0.05	12.1	0.159	0.48	2.9	18	6.6	19	11	204
L753804	91.5	<0.002	0.94	0.57	7.6	1	5.5	75.8	0.74	0.18	13.6	0.249	0.32	2.5	51	11.2	10.1	27	144.5
L753805	116	<0.002	0.93	0.28	5.2	2	3.4	98.5	0.89	0.55	12.3	0.187	0.5	2.8	18	84.3	17.6	81	176.5
L753806	78.7	<0.002	0.06	0.09	5.5	1	1.9	176	0.63	<0.05	11.7	0.255	0.43	1.4	47	1.7	10.2	40	107
L753807	85.1	<0.002	0.95	0.52	5.5	1	1.4	89.7	0.66	0.09	12.8	0.182	0.39	2.9	24	14.5	16	32	185.5
L753808	33.9	<0.002	0.18	0.85	2.9	1	0.7	65.2	0.19	0.17	6.9	0.113	0.15	1.5	22	3.2	5.1	19	59
L753809	87.1	<0.002	0.27	0.53	5.5	1	3.1	90.2	0.81	0.08	12.1	0.233	0.42	3.1	29	6.8	13.9	18	186
L753810	95.4	<0.002	1.09	0.72	6.2	2	1.8	94.8	0.75	0.07	13.8	0.146	0.46	3.4	16	10.4	20.3	27	207
L753811	35.6	<0.002	0.53	0.1	3.9	1	0.9	139	0.45	0.08	11.6	0.171	0.15	2.4	28	2.1	6.1	32	120.5
L753812	92	<0.002	0.09	0.61	5.9	1	3.3	105	0.96	<0.05	12.1	0.206	0.4	2.3	16	7.8	18.5	21	202
L753813	74.5	<0.002	0.19	0.39	5	1	1.8	89.7	1.06	0.05	12.5	0.153	0.38	2.2	13	28.1	13	13	175
L753814	88.4	<0.002	0.5	0.43	5.6	2	2.3	124	0.92	0.05	12.5	0.237	0.42	3	25	5.1	17.5	21	185
L753815	94.4	<0.002	0.62	1.47	6.2	1	1.2	81.5	0.59	0.05	11.9	0.176	0.48	2.8	16	12.3	15.6	29	197
L753816	22.7	<0.002	2.41	0.33	2.8	1	2.1	41.7	0.9	0.08	11.4	0.182	0.1	2.2	9	11.8	27.3	3	221
L753817	40.4	<0.002	2.99	0.49	6.6	3	3.2	76.3	1.38	0.11	15.4	0.235	0.21	2.5	10	14	37.5	9	244
L753818	21.2	<0.002	0.13	0.09	5.4	1	0.8	428	0.69	0.07	5.3	0.153	0.13	0.9	37	0.7	12.3	26	87.8
L753819	81.3	<0.002	1	0.23	6.7	1	4.7	155.5	1.1	0.07	13.8	0.203	0.41	2.8	18	2.9	17.4	16	236
L753820	68.7	<0.002	2	0.89	6.3	3	3.6	108	1.15	0.12	15	0.182	0.39	3.7	11	6.4	38.4	20	210
L753821	57.7	<0.002	0.47	0.55	7	1	1.7	132	1.03	<0.05	14.2	0.257	0.3	2.5	37	21.7	17.3	47	211
L753822	181.5	<0.002	0.23	0.36	9.5	2	4.9	167.5	1.11	0.15	14.1	0.252	1.52	2.9	28	8.4	6.2	45	270
L753823	128.5	<0.002	0.41	1.2	7.7	2	2.8	82.4	0.84	<0.05	17.6	0.178	0.67	4	20	17.2	20.8	28	255
L753824	93.3	<0.002	0.78	0.4	7	2	2.4	120	1.06	0.05	14.4	0.198	0.61	3.6	16	8.1	17.4	17	230
L753825	108	<0.002	0.41	0.15	7.8	2	2.7	108	1.21	0.06	14.4	0.244	0.56	3.2	25	23.6	20.7	17	288
L753826	112.5	<0.002	0.28	0.73	4.6	2	1.8	63.9	1.64	<0.05	21.5	0.078	0.53	4.9	12	12.1	17.9	10	194
L753827	213	<0.002	0.54	0.18	10.7	2	4.2	132.5	1.2	0.17	14	0.308	1.71	2.7	30	1.4	10.6	33	339
L753828	103.5	<0.002	0.57	0.43	5.4	1	1.7	64.1	0.37	<0.05	11.9	0.115	0.47	2.8	22	12.3	12.2	34	193.5
L753829	99.8	<0.002	0.55	0.46	6.1	1	1.8	130.5	0.61	<0.05	13.9	0.18	0.52	2.8	30	21.9	15.4	34	207
L753830	56.2	<0.002	1.83	0.77	5.7	2	1.1	76.7	0.4	0.06	14.3	0.12	0.31	2.9	28	27.6	15.2	21	210
L753831	76.6	0.029	0.46	0.46	6.5	1	1.4	150	0.35	0.05	13.8	0.149	0.72	2.6	34	2720	16.5	31	211
L753832	141	<0.002	1.54	1.03	8.1	1	2.9	90.4	0.5	0.05	15.1	0.136	0.68	3.5	21	17.6	16.7	22	243
L753833	116.5	<0.002	0.54	0.86	7.3	2	2.2	86.3	0.73	<0.05	15.5	0.185	0.59	3.9	16	13.6	19.8	22	230
L753834	92.4	<0.002	1.08	0.53	7.5	2	1.8	123	0.88	<0.05	17.6	0.25	0.48	3.7	38	13.1	22.4	46	224
L753835	122	<0.002	0.74	2.01	7.9	1	6.3	93.4	1.28	<0.05	17.8	0.208	0.48	3.9	17	6.4	12.4	8	279
L753836	146.5	<0.002	5.02	0.78	7.8	2	16.1	117.5	1.12	0.52	12.4	0.191	0.91	2.2	16	22	8	19	250
L753837	113	<0.002	0.93	1.73	6.5	2	3.5	75.7	0.85	<0.05	14.3	0.123	0.45	3.5	15	6.9	16.2	4	248
L753838	113.5	<0.002	0.95	1.43	6.5	2	4.3	92.5	1.1	<0.05	14.9	0.179	0.6	3.5	12	12.4	27	8	245

SampNum	Rb ppm	Re ppm	S %	Sb pm	Sc pm	Se ppm	Sn pm	Sr ppm	Ta pm	Te ppm	Th ppm	Ti ppm	Tl ppm	U ppm	V ppm	W pm	Y ppm	Zn ppm	Zr ppm
L753839	119	<0.002	1.26	1.14	5.2	1	1.9	47.7	0.26	0.08	9.7	0.077	0.54	3.7	14	11.3	8.3	14	157
L753840	122	<0.002	0.67	1.47	8.7	2	3.4	81.9	0.88	<0.05	19	0.151	0.6	6.1	19	25.2	26.1	15	268
L753841	97.2	<0.002	0.69	0.36	7.8	2	5	116	0.96	0.17	12.2	0.232	0.58	2	22	19.5	13.9	21	254
L753842	116.5	<0.002	0.72	0.79	7.3	2	2.2	119	1.47	0.16	17	0.211	0.79	3.9	16	44.8	24.4	17	271
L753843	83.4	<0.002	2.11	0.57	6.5	2	18.9	162.5	1.63	0.09	20.7	0.245	0.57	2.9	14	19.1	47.9	19	310
L753844	77	<0.002	1.6	1.12	5.9	2	12.2	141.5	1.22	0.06	16.8	0.202	0.44	2.7	14	9.3	45.2	9	251
L753845	111.5	<0.002	1.03	0.47	6.4	2	2.1	120.5	2.49	0.05	15.4	0.244	0.59	3.9	33	13.9	25.5	30	209
L753846	98.3	<0.002	0.5	0.51	5.8	1	1.5	77.4	0.26	<0.05	11.1	0.132	0.45	1.8	33	33.4	9.5	18	193.5
L753847	106.5	<0.002	0.31	0.44	6.3	1	2.1	85.1	1	<0.05	12.7	0.259	0.55	2.1	38	28	17.1	34	200
L753848	56.5	0.012	0.36	0.32	1.9	3	0.8	50.2	0.25	0.25	3.6	0.07	0.45	0.5	11	1230	3.5	9	54.3
L753849	110.5	<0.002	0.75	1.28	5.9	2	1.6	95.1	0.51	<0.05	13.4	0.16	0.74	3	37	10.6	12.9	42	180.5
L753850	27.1	<0.002	4.59	0.39	1.7	4	0.7	41.7	1.14	0.35	5.4	0.07	0.21	12.8	9	2.6	5.8	27	60.1
L753851	107.5	<0.002	0.22	0.61	6.8	2	2.7	167.5	1	<0.05	13.3	0.278	0.55	2.6	39	13.1	20.2	25	227
L753852	99.4	<0.002	0.13	0.47	6.6	2	2.7	108.5	1.09	<0.05	15.2	0.267	0.45	2.7	35	4.4	15.8	55	216
L753853	37.5	<0.002	0.41	0.84	6.9	1	1.8	133.5	0.87	<0.05	14.8	0.271	0.24	2.9	39	15	15	41	210
L753854	94.1	<0.002	0.55	0.29	7.3	2	2.5	128.5	1.05	0.05	15.8	0.261	0.52	2.6	46	47.5	16.7	29	188
L753855	12.7	0.003	1.41	0.17	46.3	2	0.3	213	0.15	0.11	1.6	0.245	0.06	0.4	451	0.6	12.5	74	46
L753856	105.5	<0.002	0.57	0.72	7	2	1.8	94.1	1.07	0.05	15.9	0.201	0.57	3.3	18	18.6	26.3	29	239
L753857	117.5	<0.002	2.12	16.5	6.3	2	5	26.8	1.15	0.75	15.1	0.233	0.4	3.3	26	17.6	19	6	209
L753858	149.5	<0.002	0.23	1.28	8.7	1	5.4	99.5	1.46	0.07	19	0.318	0.68	3.5	50	7.8	17.9	18	266
L753859	113.5	<0.002	0.38	3.27	2.4	1	2.1	58.9	0.97	0.08	19.6	0.064	0.75	4.8	8	2.2	12.5	2	97.9
L753860	89.7	<0.002	0.56	1.31	6.4	2	2.1	129.5	0.93	<0.05	14	0.251	0.43	3.1	33	7.6	18.5	21	200
L753861	80.4	<0.002	1.58	0.68	6.4	1	1.5	129	0.44	<0.05	15.1	0.125	0.41	3.7	33	32.6	17	40	199.5
L753862	81.6	<0.002	0.99	0.66	7.3	2	1.7	164	0.8	<0.05	14.5	0.242	0.47	2.6	39	20.8	21.8	45	196
L753863	92.1	<0.002	1.01	7.89	7.8	1	2.3	140.5	0.39	<0.05	17.5	0.162	0.39	3.5	44	12	16.1	215	176
L753864	97.5	<0.002	0.29	1.12	6.5	1	1.8	102	0.94	0.06	18.3	0.229	0.55	3.6	24	9.4	23.6	18	216
L753865	92.6	<0.002	1.24	0.49	4.4	1	1.6	50.7	0.6	0.05	14.3	0.115	0.48	3.6	20	8.2	15.7	13	139
L753866	202	0.002	2.19	3.53	8.2	1	11.3	18	1.47	0.66	17.8	0.075	1.01	5.9	2	8	24	160	219
L753867	112.5	<0.002	0.44	1.25	4.7	2	1.9	45.4	1.38	0.14	16.4	0.064	0.64	3.4	1	2.3	25.8	10	187.5
L753868	106	<0.002	0.61	1.51	6.8	1	2.6	106	1.27	0.05	17.7	0.201	0.63	3.8	17	6.1	20.8	15	219
L753869	134	<0.002	1.08	1.09	5.6	2	9.9	16.4	1.28	0.11	14.1	0.055	0.66	5.8	1	4.2	18.2	56	158
L753870	171.5	<0.002	1.07	0.93	5	2	5.8	36.2	1.56	0.22	10.7	0.058	1.06	2.9	1	4.5	18.6	15	227
L753871	157.5	0.003	1.67	0.83	6.3	1	4.4	31.4	1.58	0.28	18.7	0.063	0.85	4.9	1	5.9	24.1	19	213
L753872	112	<0.002	0.72	2.39	4.5	2	3	35.4	1.34	<0.05	16.1	0.06	0.6	3.2	1	4.1	23.4	7	174
L753873	169.5	0.106	1.59	1.75	5.4	2	7.3	16.1	1.55	0.98	15.3	0.07	0.73	3.1	1	3.7	12.8	35	237
L753874	162.5	<0.002	0.87	0.65	5.8	1	4.4	33.8	1.53	0.07	17.6	0.067	0.94	4.2	1	4.2	33.6	682	252
L753875	70.2	<0.002	0.3	1.98	3.3	2	2.1	6	0.57	<0.05	6.1	0.026	0.19	1.5	1	1.9	8.4	154	86.7
L753876	122.5	<0.002	0.66	1.43	5.5	1	2.4	25.7	0.85	<0.05	13.4	0.06	0.45	2.7	1	4.2	18.5	67	175

SampNum	Rb ppm	Re ppm	S %	Sb pm	Sc pm	Se ppm	Sn pm	Sr ppm	Ta pm	Te ppm	Th ppm	Ti ppm	Tl ppm	U ppm	V ppm	W pm	Y ppm	Zn ppm	Zr ppm
L753877	119.5	<0.002	0.4	1.33	4.6	1	2	19.5	0.85	<0.05	14	0.04	0.47	3.5	1	2.9	13.2	55	187.5
L753878	112	<0.002	0.56	1.01	4.4	1	2	25.4	0.95	<0.05	14.3	0.038	0.44	3.3	1	4.5	16.8	39	184.5
L753879	156	<0.002	0.52	4.12	6.1	1	2.8	31	1.03	0.05	14.5	0.064	0.7	3.2	2	6.9	11.3	8	191
L753880	131.5	<0.002	1.98	3.62	2	1	2.6	40	4.15	0.34	20.3	0.145	0.86	3.8	1	1.9	24.8	6	330
L753881	76.4	<0.002	0.49	2.38	2.9	1	1.8	73.6	1.44	0.09	17.7	0.066	0.3	3.6	1	1.2	11.7	11	231
L753882	96.6	<0.002	0.37	1.02	5.4	1	5.5	87.8	1.58	0.06	13	0.068	0.45	3	1	2.3	14	14	235
L753883	160	<0.002	0.98	3.15	5.8	1	2.5	29.1	1.04	0.18	13.1	0.055	1.14	2.5	1	3.9	13.4	10	170.5
L753884	112	<0.002	0.32	0.78	4.6	2	1.2	31.5	1.13	<0.05	21.5	0.052	0.56	2.9	1	1.5	26.5	9	177
L753885	116	<0.002	0.4	0.81	4.6	2	5	44.3	1.28	0.14	14.5	0.062	0.62	3.3	1	2.8	25.1	41	208
L753886	124	<0.002	0.36	0.89	4.7	1	1.1	33.5	1.45	<0.05	15.6	0.051	0.59	3.8	1	3.1	16.3	7	197.5
L753887	117	<0.002	0.63	1.39	7.7	1	2.2	109	1.13	<0.05	14.4	0.192	0.6	4	16	2.9	22.1	17	215
L753888	118.5	<0.002	0.62	1.58	8.3	1	2	67.6	0.62	<0.05	12.3	0.167	0.51	3	19	10	21	11	254
L753889	126.5	<0.002	1.4	0.49	6	2	1.4	173	1.26	0.05	13	0.278	0.58	3.4	27	9.7	19.2	44	207
L753890	155	<0.002	0.44	0.39	5.6	2	4.4	17.5	1.44	<0.05	15.5	0.055	0.77	3.7	1	2.5	17.6	27	211
L753891	165	<0.002	0.45	1.75	5.8	1	3.3	19.8	1.63	0.14	13.7	0.06	0.67	3.1	1	6.2	7.9	11	226
L753892	175	<0.002	0.31	0.42	4.7	1	6.7	19.1	1.39	0.95	12.5	0.06	1.03	2.1	1	3.5	7.6	20	188.5
L753893	152	<0.002	1	5.5	4.8	1	2.7	18.1	1.38	0.31	15.9	0.054	0.72	4	1	4.7	16.4	13	184.5
L753894	161	<0.002	0.37	0.68	5.2	1	2.6	21.5	1.34	<0.05	13.3	0.053	0.67	2.2	1	6.4	10.2	5	190
L753895	190	<0.002	2.19	18.2	9.7	2	4.3	12.7	1.94	1.69	23.7	0.095	0.94	5.1	3	6.3	12.2	12	293
L753896	135.5	<0.002	0.23	0.96	5.6	1	4.7	32.4	1.52	<0.05	17.2	0.063	0.55	3.8	1	4	15.3	8	217
L753897	124	<0.002	0.19	1.48	5.2	1	3.2	4.2	1.09	0.05	14.6	0.061	0.42	3	1	5.2	11.2	10	181
L753898	172.5	<0.002	3.93	57.1	10.6	3	4.3	12	1.91	4.64	22.5	0.116	1.02	5.9	2	7.7	15.7	16	290
L753899	77.9	<0.002	4.34	2.06	5.1	1	1.9	113	0.84	0.11	11.6	0.111	0.35	2.6	24	2.1	21.1	19	126
L753900	173	<0.002	0.33	1.08	5.7	1	6.1	13.8	1.53	0.09	11	0.065	0.77	1.8	1	5.1	9.3	10	198
L753901	186.5	<0.002	0.17	1.1	6.8	1	2.2	5.4	1.48	0.07	11.6	0.071	0.91	2.5	1	7	9.9	9	205
L753902	123.5	<0.002	0.55	1.25	5	1	2.6	6.8	1.3	<0.05	15.2	0.061	0.44	3.7	1	4.4	17.2	7	190
L753903	75.7	<0.002	2.79	4.45	3.1	1	1.7	28.7	1.01	0.18	11.3	0.041	0.44	3.3	1	4.3	11.3	3	173.5

REFERENCES

AVERILL, S.A. 2010. Reverse circulation overburden drilling and heavy mineral geochemical sampling for gold. Unpublished report prepared for Rainy River Resources Ltd. and Northern Superior Resources Inc.

AVERILL, S.A., HOLMES, D.R., and HOZJAN, D.J. 2011. Reverse circulation overburden drilling and heavy mineral geochemical sampling for gold Phase II. Unpublished report prepared for Rainy River Resources Ltd. and Northern Superior Resources Inc.

HART, T.R. & BOUCHER, D.R. 2010. Technical report on the Ti-pa-haa-kaa-ning Property, Lansdowne House, Northwest Ontario. 43-101F1 Technical Report prepared for Northern Superior Resources Inc.

Novak, N.D. 1988. Geological Evaluation on the Lansdowne House Project, Ontario: prepared for Forester Resources Inc.; June 9, 1988; Patricia Mining Division, Ontario; Ministry of Northern Development and Mines assessment file AFRI# 43D05NW000.

PARSONS, S.R.G. 2008. Surficcial geology of the Tipahaakaaning property, Lansdowne House area, Northwestern Ontario, Canada. Unpublished report prepared for Northern Superior Resources Inc.

PARSONS, S.R.G. 2008. Interpretation of Gold Grain Dispersal, Tipahaakaaning Property, Lansdowne House Area, Northwestern Ontario, Canada. Unpublished report prepared for Northern Superior Resources Inc.

RANKIN, L.R. 2011 TPK Au Prospect, North-Central Ontario: Review of Structural Setting From Drillcore. Unpublished report prepared for Rainy River Resources.

STATEMENT OF QUALIFICATIONS

I, Darrell J. Hyde of 28 Iceland Place, St. Johns Newfoundland and Labrador hereby certify that:

1. I am the author of this report.

2. I graduated Memorial University of Newfoundland in St. Johns NL with a Bachelor of Science Degree (Hons.) in Earth Science (1999).

3. I have been practicing my profession as a geologist involved in mineral exploration for the past 13 years.

4. I am a practicing member of Professional Engineers and Geoscientists Newfoundland and Labrador.

5. I do not hold or expect to receive any interest in the property described in this report.

6. I consent to the use of this Report by Rainy River Resources Ltd, and Northern Superior Resources Inc.

St John's, NL
December 15, 2012

Darrell Hyde
Geologist
Rainy River Resources Ltd.