

DIAMOND DRILL ASSESMENT REPORT - TPK PROJECT

2010 - 2011

THUNDER BAY Mining Division

RAINY RIVER RESOURCES LTD.

NORTHERN SUPERIOR RESOURCES INC.

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SUMMARY

This report describes a 23-hole diamond drilling program conducted under the direction of Rainy River Resources Ltd. on the Ti-pa-haa-kaa-ning (TPK) property of Northern Superior Resources Inc. The drilling was funded by Rainy River resources Ltd. Under the terms of an earn in option agreement with Northern Superior. The drilling was performed over a period of six months from October 2010 to March 2011. The program was designed to test a major gold-grains-in-till anomaly outlined by surface sampling and reverse circulation 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 presents and summarizes the results of a 23-hole, 5450 metre diamond drilling program conducted by Rainy River Resources Ltd on behalf of Northern Superior Resources Inc. as part of a joint-venture agreement between Rainy River and 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.

The program was conducted between October 22nd 2010 and March 31st, 2011.

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 Location 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, totalling 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.

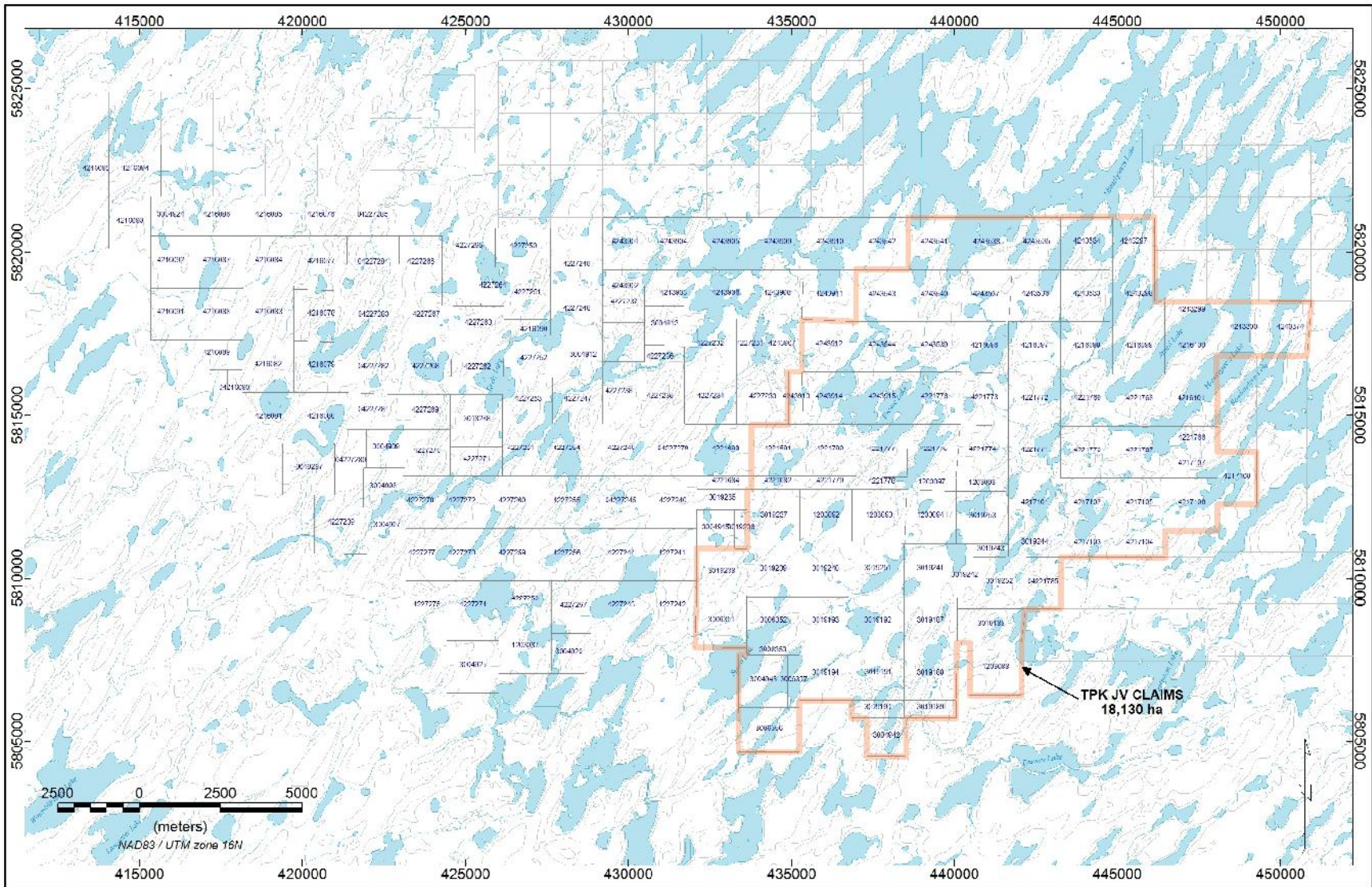


Figure 2: Claims map for TPK property. TPK JV claims outlined in orange.

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. Komatitite 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.

DIAMOND DRILL PROGRAM SUMMARY

Drilling commenced on October 22nd 2010 and ended on March 31st 2011. Bradley Brothers Drilling Inc. (Now Major Drilling) of Rouyn-Noranda, Quebec was contracted to perform the diamond drilling using two LD-250 drill rigs. The program consisted of 23 BQ drill holes numbered sequentially from TPK-10-001 through TPK-11-022 for a total of 5450 metres. Diamond drill hole locations are given in Appendix C. Diamond drill hole sections are presented in Appendix D. Diamond drill logs are located in Appendix E. Drill hole location sketch is below in Figure 3.

A total of 4217 samples were collected for Au fire assay with AA finish plus a 48 element ICP-MS scan. Assay certificates with gold and ICP results are listed in Appendix F. Assay procedures for ALS Minerals are listed in Appendix G. Sample lengths averaged approximately 1.06 metres. Every twenty fifth sample collected alternated between one of four laboratory standards, blanks and duplicates sample for quality assurance purposes.

Samples were split on site at the Rowlandson Lake field camp and flown by fixed wing aircraft to Pickle Lake, Ontario in security sealed pails. The pails were stored at a secure warehouse in

Pickle Lake until shipping by Manitoulin Transport ground transportation to Thunder Bay. All remaining drill core is stored cross piled at the Rowlandson Lake camp.

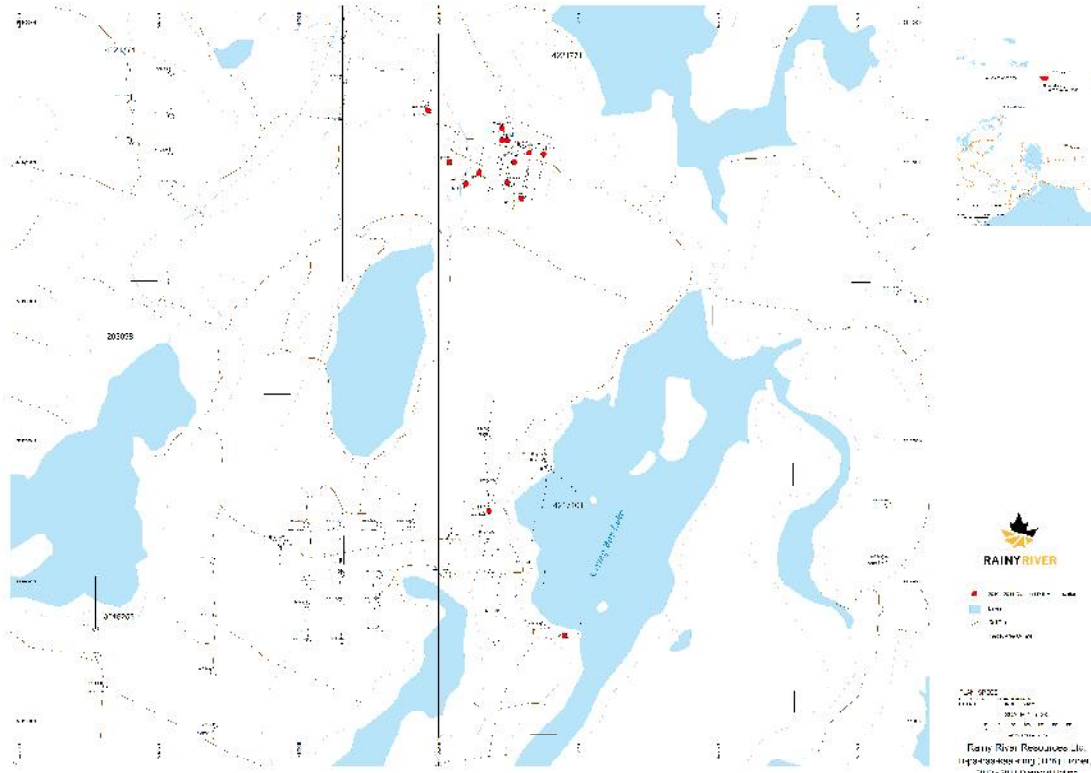


Figure 3: Diamond Drill Hole Location Sketch

Table 1: Diamond drill program summary.

Hole-ID	Easting*	Northing*	Elevation	Azimuth	Dip	Length	Start	End
TPK-10-001	442246	5813426	256.4	360	-45	228.8	21-Oct-10	26-Oct-10
TPK-10-002	442246	5813426	256	360	-60	36	26-Oct-10	27-Oct-10
TPK-10-002A	442246	5813426	256	360	-60	198.4	27-Oct-10	29-Oct-10
TPK-10-003	442296	5813368	256	360	-50	222	29-Oct-10	3-Nov-10
TPK-10-004	442296	5813368	256	360	-50	246	3-Nov-10	6-Nov-10
TPK-10-005	442246	5813576	251	180	-50	198.55	6-Nov-10	9-Nov-10
TPK-11-005	442246	5813576	250	180	-50	119.45	22-Mar-11	25-Mar-11
TPK-10-006	442145	5813460	253	360	-50	200	9-Nov-10	12-Nov-10
TPK-10-007	442038	5813499	252	360	-50	189	12-Nov-10	25-Nov-10
TPK-10-008	441962	5813683	250	360	-50	214	25-Nov-10	28-Nov-10
TPK-10-009	441962	5813683	250	360	-70	221	29-Nov-10	30-Nov-10

TPK-10-010	442180	5812250	266	360	-50	249	3-Dec-10	8-Dec-10
TPK-11-011	442180	5812250	266	360	-70	234	9-Dec-10	10-Dec-10
TPK-11-012	442450	5811805	259	40	-50	113.5	12-Dec-10	15-Dec-10
TPK-11-013	442323	5813531	251	180	-50	284	19-Jan-11	29-Jan-11
TPK-11-014	442323	5813531	251	180	-70	321	29-Jan-11	2-Feb-11
TPK-11-015	442323	5813531	251	180	-45	231	2-Feb-11	6-Feb-11
TPK-11-016	442271	5813499	250	180	-55	300	6-Feb-11	21-Feb-11
TPK-11-017	442271	5813499	250	180	-65	282	21-Feb-11	25-Feb-11
TPK-11-018	442226	5813618	249	180	-50	300	25-Feb-11	1-Mar-11
TPK-11-019	442376	5813527	253	180	-50	300	2-Mar-11	6-Mar-11
TPK-11-020	442376	5813527	253	180	-65	309	6-Mar-11	10-Mar-11
TPK-11-021	442099	5813421	255	360	-50	189	25-Mar-11	28-Mar-11
TPK-11-022	442097	5813419	255	360	-65	264	28-Mar-11	31-Mar-11
						TOTAL	5449.7	

* NAD83 / UTM zone 16N.

TPK-10-001 was drilled to on section 22+00E to test up-ice of RC hole TPKRC10-112 with a strong gold and arsenic anomaly (460 Au & 1,500 aspy grains in 9.5kg table feed sample) in till on top of bedrock plus an anomalous bedrock gold assay, "404 ppb Au INAA and 0.099 g/t Au FAA". This anomaly is located down ice of a strong IP chargeability anomaly. The hole is dominated by medium to light grey speckled black quartz monzonite with small alternating aplite dykes and narrow shear zones. The quartz monzonite is moderately sheared over 7.92 metres from 104.12 to 112.04 metres with 1% disseminated aspy and trace py. No significant Au mineralization was encountered.

TPK-10-002 was spotted on the same setup as TPK-10-001 and was designed to test the same target down plunge. The hole was called off at 36 metres when drillers lost water return.

TPK-10-002A was the restart of TPK-10-002. The hole reached a depth of 198.4 metres and consisted of massive black-spotted quartz monzonite with minor cross cutting aplite dykes and rare quartz veining. A 3.25 metre zone of quartz veining occurs from 116.5 to 119.75 metres, consisting of moderate hematite and carbonate alteration with sericite seams, weak ankerite, very weak epidote along fractures and trace fine grained disseminated pyrite. No significant Au mineralization was encountered.

TPK-10-003 was designed to test up-ice of RC hole TPKRC10-113 with a weak gold and arsenic anomaly (24 Au & 500 aspy grains in 3.8 kg table feed sample) in till on top of bedrock plus an anomalous bedrock gold assay, (304 ppb Au INAA and 0.150 g/t Au FAA). The hole consisted primarily of massive light grey, black speckled quartz monzonite with narrow shear zones. The hole returned anomalous Au from 64.5 to 88.5 metres including 1.76 g/t Au over 0.38 metres in a shear zone from 68.0 to 68.38 metres.

TPK-10-004 was drilled down dip of *TPK-10-003* and was designed to test the same RC target. The hole consisted primarily of black speckled quartz monzonite with alternating shear zones, aplite dykes and localized quartz veining. One speck of visible gold was observed in quartz veining at 109.27 to 109.42 metres; however the sample assayed only 0.8 g/t Au. Almost the entire hole assayed anomalous gold with spectacular values of 25.9 g/t Au over 13.5 metres from 149.3 to 162.8 metres including 46.0 g/t Au over 0.5 metres from 153.0 - 153.5 metres, 139.4 g/t Au over 1.7 metres from 156.8 - 158.5 metres, 749.0 g/t Au over 0.3 metres from 157.2 - 157.5 metres and 127.0 g/t Au over 0.7 metres from 162.0 - 162.7 metres. The strongest mineralization is associated with coarse visible gold in low angle smoky-grey quartz veins. The sheared quartz monzonite host rock typically exhibits quartz flooding with locally strong sericite alteration. Alteration and shearing decreases outward from the main mineralized zone. Fine disseminated pyrite ranges from 2 – 8% with trace arsenopyrite.

TPK-10-005 (TPK-11-005) was drilled to a depth of 198.55 metres in 2010 and deepened to 318 metres in 2011. The hole was drilled towards 180 degrees to scissor *TPK-10-001* and confirm apparent north-dipping structures. *TPK-10-005* consists of medium-grained, massive black and white speckled quartz monzonite with alternating narrow shear zones. Assay highlights include 4.08 g/t Au over 0.3 metres from 45.0 – 45.3 metres and 3.82 g/t Au over 1.2 metres from 49.6 – 50.8 metres.

TPK-10-006 was drilled at 360 degrees approximately 100 metres west of *TPK-10-001*. The hole consisted of massive, light grey, black speckled quartz monzonite with minor narrow shear zones.

TPK-10-007 was drilled to test up-ice of RC hole *TPKRC10-107* with a moderate gold and arsenic anomaly (121 Au & 1,000 aspy grains in 7.9 kg table feed sample) in till on top of bedrock. The hole was collared at 360 degrees azimuth approximately 100 m west of *TPK-10-006*. The hole consisted of massive, black speckled quartz monzonite with minor narrow aplite dykes and shears. No significant mineralization was encountered.

TPK-10-008 was drilled at 360 degrees azimuth approximately 200 metres north-northwest of *TPK-10-007*. The hole was designed to test up-ice of RC hole *TPKRC10-106* with a strong gold and weak arsenic anomaly (1,167 Au & 500 aspy grains in 6.8 kg table feed sample) in till on top of bedrock. The hole consisted of massive, light grey, black speckled quartz monzonite with minor narrow shear zones and aplite dykes. No significant mineralization was observed.

TPK-10-009 was drilled on the same setup as *TPK-10-008* to test down dip. The hole encountered similar geology as *TPK-10-008* with the exception of some wider shear zones. One sample collected in a shear zone from 68.66 to 69.45 metres assayed 6.85 g/t Au. The assay coincided with strong shearing and 1-2 % fine grained py and aspy.

TPK-10-010 was drilled in the Target 2 area on the western shore of Crying Boy Lake. The hole consisted of massive fine-grained leucogranite with alternating quartz-sericite schist zones. The quartz-sericite schist zones commonly contain 2-5% fine disseminated pyrite. Much of the hole assayed anomalous for Au with the highest grade of 5.08 g/t Au occurring over 0.5 metres from 100.8 – 101.5 metres within quartz – sericite schist.

TPK-10-011 was drilled on the same setup as *TPK-10-010* to test down dip. The hole consisted mainly of massive fine grained pink leucogranite with narrow quartz sericite schist zones. The hole assayed anomalously for Au typically concentrated around the quartz sericite zones.

TPK-10-012 was drilled on the shore of Crying Boy Lake to test the geology under the lake. The hole was called off at 113.5 meters due to poor core angles. The hole encountered black and white speckled “leucogranite” which appeared strongly sheared.

TPK-11-013 was drilled to scissor *TPK-10-004*. Gold bearing structures encountered in *TPK-10-004* appeared to dip northward. The hole consists primarily of medium grained, black speckled quartz monzonite with minor quartz sericite schist and gold bearing quartz veins. A fracture zone consisting of blocky and broken quartz monzonite occurs above the main mineralized zone from 164.05 to 182.7 metres with the lowest 0.4 meters being fault gouge. The mineralized zone consists of sheared quartz monzonite with variable quartz flooding and, quartz veining and sericite schist from 182.7 to 196 metres. Sulphide mineralization includes 5 – 8% py and 1% aspy overall. Several specks of visible gold were observed in quartz veining from 193.3 to 193.15 metres. Assays returned 4.74 g/t gold over 6.84 metres from 186.96 to 193.80 metres including 15.52 g/t gold over 1.50 metres from 192.30 to 193.80 metres and including 33.90 g/t gold over 0.50 metres from 192.30 to 192.80 metres.

TPK-11-014 was drilled on the same setup as *TPK-11-013* to test the down dip potential of the mineralized zone encountered in *TPK-10-004* and *TPK-11-013*. A similar fracture zone was encountered as was seen in *TPK-11-03* however gold mineralization was anomalous.

TPK-11-015 intersected the zone approximately 25 metres up-dip of hole *TPK-11-013*, returning 3.11 g/t gold over 1.74 metres from 175.26 to 177.00 metres in a well-mineralized sericitized shear zone. *TPK-10-015* also intersected 10.15 g/t gold over 0.40 metres from 34.85 metres to 35.25 metres down-hole. Mineralization consists of moderately sheared and sericitized quartz monzonite, with trace disseminated pyrite and 1% arsenopyrite. Mineralization here is located directly underneath mineralized surface boulders and may represent another mineralized shear zone.

TPK-11-016 was collared 50 metres to the west of the main mineralized section (TPK-10-004 and TPK-11-013) and was designed to intersect the mineralized horizon 25 metres up dip of the mineralized horizon encountered in TPK-11-013. The hole intersected a 15-metre thick, weakly mineralized and sericitized shear zone at the projected target elevation; however the zone only returned values of 1.67 g/t gold over 1.0 metre.

TPK-11-017 was designed to test the mineralized zone down dip TPK-11-013; however no significant results were returned. TPK-11-017 intersected two zones of mineralization, one shallow and one deep, with values of 1.24 g/t gold over 4.50 metres from 7.00 to 11.50 metres down hole, including 4.45 g/t gold over 0.5 metres from 10.50 to 11.00 metres, and 1.59 g/t gold over 1.50 metres from 221.50 to 223.00 metres.

TPK-11-018 was designed to test for mineralization 50 metres down dip of hole TPK-10-005. TPK-11-018 intersected a moderately sericitized shear zone from 48.8 to 54.2 metres down hole with minor quartz stringers and local arsenopyrite. The zone ran 0.63 g/t gold over 5.90 metres from 45.40 to 51.30 metres including 3.02 g/t gold over 0.50 metres from 49.80 to 50.30 metres.

TPK-11-019 was drilled 50m east of TPK-11-013. The hole was designed to test the main mineralized zone 25m up dip of TPK-11-013. TPK-11-019 encountered black speckled quartz monzonite with minor alternating shear zones. A wide zone of shearing and sericite schist returned only anomalous results.

TPK-11-020 was drilled on the same setup as TPK-11-019 to test the mineralized zone 50 metres east 25 metres down dip of TPK-11-013. The hole encountered several narrow shears and fractured zones however these lacked sericite. No significant assays were returned.

TPK-11-021 was drilled north facing approximately 175 metres west of the discovery section (TPK-11-013). The hole consisted of black and white speckled quartz monzonite with minor narrow shear zones. No significant assays were returned.

TPK-11-022 was drilled on the same setup as TPK-11-021 and designed to test down dip. The hole consisted of black and white speckled quartz monzonite with minor narrow shear zones. No significant assays were returned.

CONCLUSIONS AND RECOMMENDATIONS

The 2010 – 2011 diamond drilling program at TPK encountered spectacular gold grades in TPK-10-004 and TPK-11-013 associated with coarse structurally controlled quartz veins. Drilling was focused primarily in the Target 3 area as defined by Reverse Circulation drilling Au and As anomalies in till and bedrock, coincident with high grade surface boulders.

The highest grade mineralization is so far concentrated on one drill section and was not seen to continue to the east or west however drilling is very limited especially to the east. Au mineralization is discontinuous and “poddy” and it is probably strongly linked to lensing (pinch and swell) along the primary shear zones and development of 2nd order transtensive linking shears and bends. Horsetail splay structures within the eastern sector are occasionally associated with significant quartz – sericite pervasive and vein – style alteration.

There is high potential for mineralization to discontinuously extend both down dip and along strike along the shear zones; many significant zones of mineralization may be blind at surface, with a consequent lack of any boulder / till anomaly footprint.

It is recommended that further diamond drilling take place along the eastern margin of the known mineralized shear zones. Closely spaced drilling may be required to intersect the mineralization due to its pinch and swell character. Close attention must be paid to structural fabrics which can change from north to south dipping along strike.

REFERENCES

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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 6, 2012

Darrell Hyde
Geologist
Rainy River Resources Inc.

Mandays Table

Personnel	Organization	Position	Dates
Andrew Moonias	Neskantaga F.N.	lead core cutter	Oct15,2010 - April 28, 2011
Charles Fost	RRR	camp manager	Oct15,2010 - April 28, 2011
Darlene Sakanee	Neskantaga F.N.	cook assistant	Oct15,2010 - April 28, 2011
Darrel Hyde	RRR	project manager	Oct15,2010 - April 28, 2011
David Moonias	Neskantaga F.N.	carpenter	Oct15,2010 - April 28, 2011
Derek Moonias	Neskantaga F.N.	camp assistant manager	Oct15,2010 - April 28, 2011
Donald R Boucher	NSR	geologist	Oct15,2010 - April 28, 2011
Donald Sakanee	Neskantaga F.N.	camp maintenance	Oct15,2010 - April 28, 2011
Eugene Sakanee	Neskantaga F.N.	camp labour	Oct15,2010 - April 28, 2011
George Sakanee	Neskantaga F.N.	camp maintenance/elder	Oct15,2010 - April 28, 2011
Gordon Sakanee	Neskantaga F.N.	camp assistant manager	Oct15,2010 - April 28, 2011
Gordon Sugarhead	Neskantaga F.N.	cook	Oct15,2010 - April 28, 2011
John Danard	RRR	camp maintenance	Oct15,2010 - April 28, 2011
Jonathan Sagutch	Neskantaga F.N.	core cutter	Oct15,2010 - April 28, 2011
Julius Sakanee	Neskantaga F.N.	core cutter	Oct15,2010 - April 28, 2011
Kerry Sparkes	RRR	geologist	Oct15,2010 - April 28, 2011
Kurtis Moonias	Neskantaga F.N.	core cutter	Oct15,2010 - April 28, 2011
Kyle Stanfield	RRR	geologist	Oct15,2010 - April 28, 2011
Leo Moonias	Neskantaga F.N.	camp maintenance/elder	Oct15,2010 - April 28, 2011
Lincoln Dunn	RRR	camp Manager	Oct15,2010 - April 28, 2011
Matthew Sooley	NSR	geologist	Oct15,2010 - April 28, 2011
Randy Moonias	Neskantaga F.N.	core cutter	Oct15,2010 - April 28, 2011
Robert Ostamas	Neskantaga F.N.	core cutter	Oct15,2010 - April 28, 2011
Ronnie Moonias	Neskantaga F.N.	core cutter	Oct15,2010 - April 28, 2011
Sarah Jane Quisses	Neskantaga F.N.	cook assistant	Oct15,2010 - April 28, 2011
Sarah Miller	NSR/RRR	geologist	Oct15,2010 - April 28, 2011
Tollena Jacob	Neskantaga F.N.	cook assistant	Oct15,2010 - April 28, 2011
Thomas Hart	NSR	geologist	Oct15,2010 - April 28, 2011
Victor Moonias	Neskantaga F.N.	core cutter	Oct15,2010 - April 28, 2011

Cost Expenditure Summary

		analytical	Drilling	NSR and Supervisional, camp labour/field crew	supplies & equipment rental	transportation inc fuel	camp operational costs	shared helicopter costs (50/50 with RC)	shared fixed wing costs (50/50 with RC)
Actual Costs		\$ 158,600.76	\$ 675,415.40	\$ 80,660.22	\$ 56,225.80	\$ 65,194.97	\$ 156,087.77		
	64%	\$ 101,504.49	\$ 432,265.86	\$ 51,622.54	\$ 35,984.51	\$ 41,724.78	\$ 99,896.17		
cost of work performed after 24 months (credited at 50%)		\$ 50,752.24	\$ 216,132.93	\$ 25,811.27	\$ 17,992.26	\$ 20,862.39	\$ 49,948.09		
cost of work performed before 24 months (credited at 100%)	36%	\$ 57,096.27	\$ 243,149.54	\$ 29,037.68	\$ 20,241.29	\$ 23,470.19	\$ 56,191.60		
Total Time adjusted credits		\$ 107,848.52	\$ 459,282.47	\$ 54,848.95	\$ 38,233.54	\$ 44,332.58	\$ 106,139.68	\$ 268,033.37	\$ 135,198.59
shared camp operational costs (50/50 with RC)							\$ 408,468.64		
TOTALS:		\$ 107,848.52	\$ 459,282.47	\$ 54,848.95	\$ 38,233.54	\$ 44,332.58	\$ 514,608.33	\$ 268,033.37	\$ 135,198.59

total metres drilled 5450.

Metres completed after February 21 - 1944 or 36% of total metres

Date	Num	Name	Memo	Code	Amount	analytical	Drilling	Supervisional , camp labour/field crew	supplies & equipment rental	transportatio n inc fuel	camp operational costs
March 31, 2011	gen jnl	Accrue WCB expense for Mar./11	WSIB-FN_RRR	Diamond Drilling	1,617.98			1,617.98			
December 31, 2010	Accrue WSIB-Dec2010	Accrue WSIB Ontario Dec 2010	WSIB-FN_RRR	Diamond Drilling	2,395.76			2,395.76			
March 8, 2011	4744	Allbutt Mining Supplies Ltd.	Core racks	Diamond Drilling	2,581.16				2,581.16		
December 2, 2010	2186835	ALS Canada Ltd.	Analytical	Diamond Drilling	3,093.77	3,093.77					
December 2, 2010	2186047	ALS Canada Ltd.	Analytical	Diamond Drilling	5,230.33	5,230.33					
December 5, 2010	2186833	ALS Canada Ltd.	Analytical	Diamond Drilling	2,632.59	2,632.59					
December 6, 2010	2186831	ALS Canada Ltd.	Analytical	Diamond Drilling	8,266.99	8,266.99					
December 6, 2010	2186133	ALS Canada Ltd.	Analytical	Diamond Drilling	5,481.04	5,481.04					
December 7, 2010	2186836	ALS Canada Ltd.	Analytical	Diamond Drilling	7,322.93	7,322.93					
December 23, 2010	2201979	ALS Canada Ltd.	Analytical	Diamond Drilling	4,441.12	4,441.12					
December 27, 2010	2201895	ALS Canada Ltd.	Analytical	Diamond Drilling	4,945.90	4,945.90					
December 28, 2010	2201038	ALS Canada Ltd.	Analytical	Diamond Drilling	5,043.17	5,043.17					
December 31, 2010	2204877	ALS Canada Ltd.	Analytical	Diamond Drilling	3,831.22	3,831.22					
January 2, 2011	2207824	ALS Canada Ltd.	Analytical	Diamond Drilling	5,048.04	5,048.04					
January 3, 2011	2207827	ALS Canada Ltd.	Analytical	Diamond Drilling	5,058.48	5,058.48					
January 6, 2011	2207830	ALS Canada Ltd.	Analytical	Diamond Drilling	5,035.43	5,035.43					
January 6, 2011	2209086	ALS Canada Ltd.	Analytical	Diamond Drilling	71.25	71.25					
January 7, 2011	2209094	ALS Canada Ltd.	Analytical	Diamond Drilling	142.50	142.50					
January 7, 2011	2209076	ALS Canada Ltd.	Analytical	Diamond Drilling	128.25	128.25					
January 7, 2011	2209088	ALS Canada Ltd.	Analytical	Diamond Drilling	57.00	57.00					
January 8, 2011	2209096	ALS Canada Ltd.	Analytical	Diamond Drilling	171.00	171.00					
January 9, 2011	2209058	ALS Canada Ltd.	Analytical	Diamond Drilling	190.10	190.10					
January 9, 2011	2209089	ALS Canada Ltd.	Analytical	Diamond Drilling	175.85	175.85					
January 9, 2011	2209092	ALS Canada Ltd.	Analytical	Diamond Drilling	218.60	218.60					
January 10, 2011	2211872	ALS Canada Ltd.	Analytical	Diamond Drilling	3,738.17	3,738.17					
February 11, 2011	2236522	ALS Canada Ltd.	Analytical	Diamond Drilling	175.77	175.77					
February 12, 2011	2230505	ALS Canada Ltd.	Analytical	Diamond Drilling	2,234.36	2,234.36					
February 15, 2011	2231124	ALS Canada Ltd.	Analytical	Diamond Drilling	4,055.69	4,055.69					
February 15, 2011	2232063	ALS Canada Ltd.	Analytical	Diamond Drilling	2,122.57	2,122.57					
February 16, 2011	2232049	ALS Canada Ltd.	Analytical	Diamond Drilling	3,484.45	3,484.45					
February 16, 2011	2232053	ALS Canada Ltd.	Analytical	Diamond Drilling	3,490.70	3,490.70					
February 18, 2011	2235568	ALS Canada Ltd.	Analytical	Diamond Drilling	83.63	83.63					
February 21, 2011	2235042	ALS Canada Ltd.	Analytical	Diamond Drilling	2,191.14	2,191.14					
February 22, 2011	2235034	ALS Canada Ltd.	Analytical	Diamond Drilling	3,670.27	3,670.27					
February 22, 2011	2235848	ALS Canada Ltd.	Analytical	Diamond Drilling	3,444.15	3,444.15					
February 24, 2011	2240470	ALS Canada Ltd.	Analytical	Diamond Drilling	7.00	7.00					
February 28, 2011	2241290	ALS Canada Ltd.	Analytical	Diamond Drilling	4.00	4.00					
February 28, 2011	2241330	ALS Canada Ltd.	Analytical	Diamond Drilling	6.50	6.50					
February 28, 2011	2241322	ALS Canada Ltd.	Analytical	Diamond Drilling	7.00	7.00					
February 28, 2011	2241316	ALS Canada Ltd.	Analytical	Diamond Drilling	7.50	7.50					
February 28, 2011	2241299	ALS Canada Ltd.	Analytical	Diamond Drilling	11.50	11.50					
February 28, 2011	2240491	ALS Canada Ltd.	Analytical	Diamond Drilling	27.00	27.00					
February 28, 2011	2235283	ALS Canada Ltd.	Analytical	Diamond Drilling	3,656.21	3,656.21					
February 28, 2011	2240461	ALS Canada Ltd.	Analytical	Diamond Drilling	23.50	23.50					
March 1, 2011	2235059	ALS Canada Ltd.	Analytical	Diamond Drilling	3,677.53	3,677.53					
March 1, 2011	2241310	ALS Canada Ltd.	Analytical	Diamond Drilling	10.50	10.50					
March 7, 2011	2246470	ALS Canada Ltd.	Analytical	Diamond Drilling	49.54	49.54					
March 15, 2011	2247116	ALS Canada Ltd.	Analytical	Diamond Drilling	99.55	99.55					
March 18, 2011	2256078	ALS Canada Ltd.	Analytical	Diamond Drilling	37.88	37.88					

Date	Num	Name	Memo	Code	Amount	analytical	Drilling	Supervisional , camp labour/field crew	supplies & equipment rental	transportatio n inc fuel	camp operational costs
March 23, 2011	2255954	ALS Canada Ltd.	Analytical	Diamond Drilling	49.64	49.64					
March 23, 2011	2254275	ALS Canada Ltd.	Analytical	Diamond Drilling	25.52	25.52					
March 24, 2011	2250616	ALS Canada Ltd.	Analytical	Diamond Drilling	2,193.40	2,193.40					
March 31, 2011	2252125	ALS Canada Ltd.	Analytical	Diamond Drilling	4,751.76	4,751.76					
April 22, 2011	2264226	ALS Canada Ltd.	Analytical	Diamond Drilling	5,761.41	5,761.41					
April 22, 2011	2268960	ALS Canada Ltd.	Analytical	Diamond Drilling	2,834.77	2,834.77					
April 23, 2011	2268905	ALS Canada Ltd.	Analytical	Diamond Drilling	3,777.56	3,777.56					
April 23, 2011	2268918	ALS Canada Ltd.	Analytical	Diamond Drilling	3,766.45	3,766.45					
April 25, 2011	2266807	ALS Canada Ltd.	Analytical	Diamond Drilling	5,280.08	5,280.08					
April 25, 2011	2266777	ALS Canada Ltd.	Analytical	Diamond Drilling	5,311.12	5,311.12					
April 25, 2011	2255867	ALS Canada Ltd.	Analytical	Diamond Drilling	5,818.98	5,818.98					
April 26, 2011	2282744	ALS Canada Ltd.	Analytical	Diamond Drilling	132.83	132.83					
May 20, 2011	2269109	ALS Canada Ltd.	Analytical	Diamond Drilling	5,152.58	5,152.58					
May 20, 2011	2269121	ALS Canada Ltd.	Analytical	Diamond Drilling	5,118.71	5,118.71					
May 20, 2011	2269101	ALS Canada Ltd.	Analytical	Diamond Drilling	5,223.49	5,223.49					
April 15, 2011	Payroll Entry	April 15, 2011 Payroll entry	Payroll-RRR	Diamond Drilling	1,563.26			1,563.26			
October 31, 2010	BF-52388	Bradley Brothers Limited	Drilling	Diamond Drilling	77,390.65		77,390.65				
November 15, 2010	BF-52475	Bradley Brothers Limited	Drilling	Diamond Drilling	8,570.00		8,570.00				
November 15, 2010	BF-52430	Bradley Brothers Limited	Drilling	Diamond Drilling	99,088.91		99,088.91				
November 30, 2010	BF-52498	Bradley Brothers Limited	Drilling	Diamond Drilling	47,275.59		47,275.59				
November 30, 2010	BF-52503	Bradley Brothers Limited	Drilling	Diamond Drilling	55,446.85		55,446.85				
December 17, 2010	cc BF-52510	Bradley Brothers Limited	Drilling	Diamond Drilling	86,480.89		86,480.89				
February 15, 2011	BF-52688	Bradley Brothers Limited	Drilling	Diamond Drilling	51,550.50		51,550.50				
February 28, 2011	BF-52761	Bradley Brothers Limited	Drilling	Diamond Drilling	72,955.56		72,955.56				
May 25, 2011	BF-52911	Bradley Brothers Limited	Drilling	Diamond Drilling	57,256.50		57,256.50				
May 25, 2011	BF-52926	Bradley Brothers Limited	Drilling	Diamond Drilling	6,792.00		6,792.00				
May 25, 2011	BF-52925	Bradley Brothers Limited	Drilling	Diamond Drilling	90,025.65		90,025.65				
May 25, 2011	BF-53057	Bradley Brothers Limited	Drilling	Diamond Drilling	1,079.25		1,079.25				
January 1, 2011	301141	CDN Resource Laboratories Ltd.	Analytical	Diamond Drilling	500.79	500.79					
December 31, 2010	gen jnl		Core storage	Diamond Drilling	21,000.00		21,000.00				
November 15, 2010	ts11/15/10	David Moonias	Payroll-FN	Diamond Drilling	2,500.00			2,500.00			
February 22, 2011	t/s Feb 3-5, 2011	Derek Moonias	Payroll-FN	Diamond Drilling	540.00			540.00			
February 22, 2011	Wk Feb6-19,2011	Derek Moonias	Payroll-FN	Diamond Drilling	2,520.00			2,520.00			
March 15, 2011	t/s 02/20-03/5, 2011	Derek Moonias	Payroll-FN	Diamond Drilling	1,800.00			1,800.00			
November 19, 2010	311	dp Diamond Blades	Core sampling	Diamond Drilling	1,646.02				1,646.02		
January 1, 2011	311 - adj	dp Diamond Blades	Core sampling	Diamond Drilling	213.98				213.98		
January 27, 2011	335	dp Diamond Blades	core sampling	Diamond Drilling	2,492.89				2,492.89		
April 7, 2011	Mar 20-Apr2	George Sakanee	Payroll-FN	Diamond Drilling	3,250.00			3,250.00			
April 19, 2011	April2 - April19	George Sakanee	Payroll-FN	Diamond Drilling	3,250.00			3,250.00			
April 28, 2011	April 17-30	George Sakanee	Payroll-FN	Diamond Drilling	2,400.00			2,400.00			
April 7, 2011	Mar 20-Apr2	Gordon Sakanee	Payroll-FN	Diamond Drilling	2,520.00			2,520.00			
April 28, 2011	April17-30	Gordon Sakanee	Payroll-FN	Diamond Drilling	2,600.00			2,600.00			
April 7, 2011	Mar 20-Apr2	Gordon Sugarhead	Payroll-FN	Diamond Drilling	2,800.00			2,800.00			
April 19, 2011	April 3 - April 16	Gordon Sugarhead	Payroll-FN	Diamond Drilling	1,000.00			1,000.00			
December 21, 2010	12810-01396-16005	Hydro One	Core storage	Diamond Drilling	58.99				58.99		
January 12, 2011	Jan 15/11 Payroll	Jan 15, 2011 payroll	Payroll-RRR	Diamond Drilling	635.66			635.66			
April 1, 2011	April12011	John Danard	Camp operational	Diamond Drilling	18.15			18.15			
April 1, 2011	April12011	John Danard	Travel Ground Transport	Diamond Drilling	97.72			97.72			
April 1, 2011	April12011	John Danard	Sustenance	Diamond Drilling	20.26			20.26			

Date	Num	Name	Memo	Code	Amount	analytical	Drilling	Supervisional , camp labour/field crew	supplies & equipment rental	transportatio n inc fuel	camp operational costs
April 11, 2011	Mar-stmt	Johnny's Fresh Market	Camp operational	Diamond Drilling	5,138.00						5,138.00
February 11, 2011	ts Jan 23-Feb 5/11	Jonathan Sagutch	Payroll-FN	Diamond Drilling	480.00			480.00			
February 21, 2011	t/s Feb 6-19, 2011	Jonathan Sagutch	Payroll-FN	Diamond Drilling	2,240.00			2,240.00			
March 9, 2011	t/s Feb 20-Mar 4/11	Jonathan Sagutch	Payroll-FN	Diamond Drilling	2,080.00			2,080.00			
March 22, 2011	T/S Mar 6-19, 2011	Julias Sakanee	Payroll-FN	Diamond Drilling	480.00			480.00			
January 27, 2011	Exp Jan 27/11	Kerry Sparkes	Air Travel	Diamond Drilling	741.12			741.12			
March 11, 2011	Exp Feb TPK	Kerry Sparkes	Travel Ground Transport	Diamond Drilling	13.27			13.27			
March 11, 2011	Exp Feb TPK	Kerry Sparkes	Air Travel	Diamond Drilling	140.00			140.00			
March 11, 2011	Exp Feb TPK	Kerry Sparkes	Accomodation	Diamond Drilling	238.00			238.00			
March 11, 2011	Exp Feb TPK	Kerry Sparkes	Sustenance	Diamond Drilling	99.68			99.68			
October 31, 2010	TS - Oct 27-31	Kurtis Moonias	core cutter - Oct 27-31 - 4 days at \$160	Diamond Drilling	800.00			800.00			
November 17, 2010	ts11/15/10	Kurtis Moonias	Payroll-FN	Diamond Drilling	2,080.00			2,080.00			
November 30, 2010	ts 11/30/10	Kurtis Moonias	Payroll-FN	Diamond Drilling	1,120.00			1,120.00			
December 16, 2010	ts-12/15/10	Kurtis Moonias	Payroll-FN	Diamond Drilling	1,120.00			1,120.00			
December 20, 2010	ts 12/18/10	Kurtis Moonias	Payroll-FN	Diamond Drilling	1,280.00			1,280.00			
April 7, 2011	Mar 20-Apr2	Leo Moonias	Payroll-FN	Diamond Drilling	2,780.01			2,780.01			
April 19, 2011	April3-16	Leo Moonias	Payroll-FN	Diamond Drilling	1,200.00			1,200.00			
April 28, 2011	April 17-30	Leo Moonias	Payroll-FN	Diamond Drilling	2,400.00			2,400.00			
January 17, 2011	Adj 2011-001	Neskantaga First Nation	Core storage	Diamond Drilling	7,800.00				7,800.00		
January 25, 2011	2011-001	Neskantaga First Nation	Core storage	Diamond Drilling	7,000.00				7,000.00		
February 23, 2011	2011 2011-002	Neskantaga First Nation	Core storage	Diamond Drilling	12,200.00				12,200.00		
April 1, 2011	13593	North Star Air Ltd.	Camp operational	Diamond Drilling	2,417.20					2,417.20	
April 1, 2011	13567	North Star Air Ltd.	Camp operational	Diamond Drilling	33,782.00					33,782.00	
April 1, 2011	13659	North Star Air Ltd.	Camp operational	Diamond Drilling	272.83					272.83	
April 1, 2011	13593	North Star Air Ltd.	Fixed Wing	Diamond Drilling	1,778.00					1,778.00	
April 1, 2011	13567	North Star Air Ltd.	Fixed Wing	Diamond Drilling	23,228.94					23,228.94	
April 4, 2011	13743	North Star Air Ltd.	Camp operational	Diamond Drilling	1,938.00					1,938.00	
April 4, 2011	13743	North Star Air Ltd.	Fixed Wing	Diamond Drilling	1,778.00					1,778.00	
February 25, 2011	WTNorthwest Pyrtl	Northwest Payroll Feb	Payroll-FN	Diamond Drilling	7,140.00						7,140.00
April 4, 2011	358-D-11	Outland Inc.	Camp operational	Diamond Drilling	44,048.23						44,048.23
April 4, 2011	358-C-11	Outland Inc.	Camp operational	Diamond Drilling	78,175.57						78,175.57
April 4, 2011	360-11	Outland Inc.	Camp operational	Diamond Drilling	4,550.00						4,550.00
February 11, 2011	Feb 15/11 - Payroll	Payroll - Feb 15, 2011	Payroll-RRR	Diamond Drilling	204.27			204.27			
March 11, 2011	Feb 15/11 - Payroll	Payroll - Feb 15, 2011	Payroll-RRR	Diamond Drilling	204.28			204.28			
February 24, 2011	Feb 28/11 - Payroll	Payroll - Feb 28, 2011	Payroll-RRR	Diamond Drilling	620.05			620.05			
November 30, 2010	ts 11/30/10	Randy Moonias	Payroll-FN	Diamond Drilling	2,080.00			2,080.00			
December 16, 2010	ts-12/15/10	Randy Moonias	Payroll-FN	Diamond Drilling	2,240.00			2,240.00			
January 15, 2011	01/15/11-ts	Randy Moonias	Payroll-FN	Diamond Drilling	640.00			640.00			
January 22, 2011	ts-01/22/11	Randy Moonias	Payroll-FN	Diamond Drilling	1,120.00			1,120.00			
February 3, 2011	ts-01/29/11	Randy Moonias	Payroll-FN	Diamond Drilling	1,120.00			1,120.00			
February 28, 2011	100061	Raymac Environmental Services Inc.	Fuel Storage Berm	Diamond Drilling	18,545.95				18,545.95		
March 14, 2011	100064	Raymac Environmental Services Inc.	Fuel Storage Berm	Diamond Drilling	1,753.23				1,753.23		
March 29, 2011	100076	Raymac Environmental Services Inc.	Fuel Storage Berm	Diamond Drilling	1,933.58				1,933.58		
November 18, 2010	perp bk	record w/t Robert Ostamas and w/t s/t	Payroll-FN	Diamond Drilling	1,440.00			1,440.00			
December 14, 2010	perp bk	record w/t Robert Ostamas and w/t s/t	Payroll-FN	Diamond Drilling	2,240.00			2,240.00			
December 20, 2010	perp bk	record w/t Robert Ostamas and w/t s/t	Payroll-FN	Diamond Drilling	960.00			960.00			
December 1, 2010	perp bk	record w/t Robert Ostamas and w/t s	Payroll-FN	Diamond Drilling	1,440.00			1,440.00			
February 3, 2011	ts-01/30/11	Ronnie Moonias	Payroll-FN	Diamond Drilling	320.00			320.00			
October 31, 2010	TS - Oct 2010	Sarah Miller	7 days of core logging	Diamond Drilling	3,150.00			3,150.00			

Date	Num	Name	Memo	Code	Amount	analytical	Drilling	Supervisional , camp labour/field crew	supplies & equipment rental	transportatio n inc fuel	camp operational costs
February 28, 2011	Exp Feb 9-19/11	Sarah Miller	Air Travel	Diamond Drilling	1,380.56			1,380.56			
April 11, 2011	Exp Mar 28, 11	Sarah Miller	Air Travel	Diamond Drilling	2,330.89			2,330.89			
April 11, 2011	Exp Mar 28, 11	Sarah Miller	Accomodation	Diamond Drilling	170.78			170.78			
May 4, 2011	28 Apr (2 reports)	Sarah Miller	Air Travel	Diamond Drilling	75.00			75.00			
May 4, 2011	28 Apr (2 reports)	Sarah Miller	Accomodation	Diamond Drilling	121.99			121.99			
May 4, 2011	28 Apr (2 reports)	Sarah Miller	Sustenance	Diamond Drilling	27.45			27.45			
April 20, 2011	11097	Soudure Automatique Rouyn Inc.	Travel Ground Transport	Diamond Drilling	237.00		237.00				
April 20, 2011	11097	Soudure Automatique Rouyn Inc.	Accomodation	Diamond Drilling	189.28		189.28				
April 20, 2011	11097	Soudure Automatique Rouyn Inc.	Sustenance	Diamond Drilling	76.77		76.77				
April 1, 2011	408213625	The North West Co. Inc.	Camp operational	Diamond Drilling	54.81						54.81
April 1, 2011	408213764	The North West Co. Inc.	Camp operational	Diamond Drilling	114.20						114.20
April 1, 2011	408215094	The North West Co. Inc.	Camp operational	Diamond Drilling	85.68						85.68
April 1, 2011	408215109	The North West Co. Inc.	Camp operational	Diamond Drilling	165.00						165.00
April 1, 2011	408215219	The North West Co. Inc.	Camp operational	Diamond Drilling	89.93						89.93
April 1, 2011	408215280	The North West Co. Inc.	Camp operational	Diamond Drilling	132.00						132.00
April 1, 2011	408215400	The North West Co. Inc.	Camp operational	Diamond Drilling	38.97						38.97
April 1, 2011	408215477	The North West Co. Inc.	Camp operational	Diamond Drilling	248.30						248.30
April 1, 2011	408215519	The North West Co. Inc.	Camp operational	Diamond Drilling	14.98						14.98
April 1, 2011	408215647	The North West Co. Inc.	Camp operational	Diamond Drilling	264.00						264.00
April 1, 2011	408215721	The North West Co. Inc.	Camp operational	Diamond Drilling	176.44						176.44
April 1, 2011	408218118	The North West Co. Inc.	Camp operational	Diamond Drilling	203.31						203.31
April 2, 2011	408218577	The North West Co. Inc.	Camp operational	Diamond Drilling	204.82						204.82
April 3, 2011	408101282	The North West Co. Inc.	Camp operational	Diamond Drilling	89.98						89.98
February 28, 2011	Q2 AJE#15	To record credit card charges to clear	Air Travel	Diamond Drilling	1,392.60						1,392.60
April 27, 2011	Payroll 30April 2011	To record Payroll 30 April 2011	Payroll-RRR	Diamond Drilling	2,220.75						2,220.75
December 31, 2010	2677	True Grit Consulting Ltd.	Consulting	Diamond Drilling	5,056.00						5,056.00
December 31, 2010	2677	True Grit Consulting Ltd.	Consulting	Diamond Drilling	6,425.86						6,425.86
April 15, 2011	Vacation Accrual Ent	Vacation Accrual Entry April 15 2011	Payroll-RRR	Diamond Drilling	58.34						58.34
November 17, 2010	ts11/15/10	Victor Moonias	Payroll-FN	Diamond Drilling	1,440.00			1,440.00			
November 30, 2010	ts 11/30/10	Victor Moonias	Payroll-FN	Diamond Drilling	2,080.00			2,080.00			
December 16, 2010	ts-12/15/10	Victor Moonias	Payroll-FN	Diamond Drilling	160.00			160.00			
February 23, 2011	1/31/11-3129413	WSIB - Ontario	WSIB-FN_RRR	Diamond Drilling	759.81			759.81			
February 28, 2011	Feb-11	WSIB - Ontario	WSIB-FN_RRR	Diamond Drilling	1,896.29			1,896.29			
April 27, 2011	Mar-11	WSIB - Ontario	WSIB-FN_RRR	Diamond Drilling	1,617.98			1,617.98			
TOTALS:					\$ 1,192,184.92	\$ 158,600.76	\$ 675,415.40	\$ 80,660.22	\$ 56,225.80	\$ 65,194.97	\$ 156,087.77

Shared Camp Operational Costs

Date	Num	Name	Memo	Code	Amount	Company GL	100% of cost	50% of cost
Oct 01, 2010	520272494	The North West Co. Inc.	Camp operational	RC_DDH	(28.07)	RRR		(28.07)
Oct 01, 2010	520273072	The North West Co. Inc.	Camp operational	RC_DDH	(115.16)	RRR		(115.16)
Oct 14, 2010	74272	Petrovalue Products Canada Inc.	Camp operational	RC_DDH	4,249.41	RRR		4,249.41
Oct 22, 2010	408257469	The North West Co. Inc.	Camp operational	RC_DDH	4.25	RRR		4.25
Oct 26, 2010	408257977	The North West Co. Inc.	Camp operational	RC_DDH	8.24	RRR		8.24
Oct 31, 2010	2010- October	Northern Superior Resources Inc.	Camp operational	RC_DDH	22,751.04	RRR		22,751.04
Oct 31, 2010	r1010090	Overburden Drilling Management Limited	Camp operational	RC_DDH	159.83	RRR		159.83
Oct 31, 2010	520321916	The North West Co. Inc.	Camp operational	RC_DDH	24.29	RRR		24.29
Nov 02, 2010	exp - Nesk	Dennis A. Forbes & Associates	Camp operational	RC_DDH	447.18	RRR		447.18
Nov 02, 2010	Cash	exp - cook shop, Gordon Sugarhead	Camp operational	RC_DDH	720.00	RRR		720.00
Nov 02, 2010	Cash	exp cook, Darlene Sakanee	Camp operational	RC_DDH	125.00	RRR		125.00
Nov 02, 2010	Cash	exp cook, Sarah Jane Quisses	Camp operational	RC_DDH	125.00	RRR		125.00
Nov 02, 2010	exp - Nesk	Roy Moonias	Camp operational	RC_DDH	888.92	RRR		888.92
Nov 02, 2010	408259303	The North West Co. Inc.	Camp operational	RC_DDH	29.37	RRR		29.37
Nov 04, 2010	520293057	The North West Co. Inc.	Camp operational	RC_DDH	44.17	RRR		44.17
Nov 08, 2010	520323195	The North West Co. Inc.	Camp operational	RC_DDH	338.10	RRR		338.10
Nov 12, 2010	Cash	11/12/10-labour, Willy Waswas	Camp operational	RC_DDH	72.00	RRR		72.00
Nov 15, 2010	ts11/15/10	Leo Moonias	Payroll-FN	RC_DDH	2,600.00	RRR		2,600.00
Nov 16, 2010	408261496	The North West Co. Inc.	Camp operational	RC_DDH	199.99	RRR		199.99
Nov 18, 2010	ts 11/15/10	Gordon Sakanee	Payroll-FN	RC_DDH	2,080.00	RRR		2,080.00
Nov 18, 2010	perp bk	record w/t Derek Moonias	Payroll-FN	RC_DDH	1,620.00	RRR		1,620.00
Nov 18, 2010	perp bk	record w/t Eugene Sakanee and w/t s/c	Payroll-FN	RC_DDH	1,440.00	RRR		1,440.00
Nov 18, 2010	perp bk	record w/t George Sakanee and w/t s/c	Payroll-FN	RC_DDH	2,400.00	RRR		2,400.00
Nov 19, 2010	12725	North Star Air Ltd.	Camp operational	RC_DDH	9,524.67	RRR		9,524.67
Nov 24, 2010	100046	Raymac Environmental Services Inc.	Camp operational	RC_DDH	5,599.05	RRR		5,599.05
Nov 25, 2010	12752	North Star Air Ltd.	Camp operational	RC_DDH	8,078.77	RRR		8,078.77
Nov 25, 2010	40826289	The North West Co. Inc.	Camp operational	RC_DDH	175.50	RRR		175.50
Nov 25, 2010	RAI06E	Victoria Inn Thunder Bay	Camp operational	RC_DDH	308.97	RRR		308.97
Nov 26, 2010	Nov./10-stmt	Johnny's Fresh Market	Camp operational	RC_DDH	14,329.47	RRR		14,329.47
Nov 26, 2010	12754	North Star Air Ltd.	Camp operational	RC_DDH	903.18	RRR		903.18
Nov 29, 2010	105889	Graham Energy Limited	Camp operational	RC_DDH	4,243.69	RRR		4,243.69
Nov 30, 2010	exp 11/10	Don Boucher	Camp operational	RC_DDH	2,114.02	RRR		2,114.02
Nov 30, 2010	12901	North Star Air Ltd.	Camp operational	RC_DDH	540.59	RRR		540.59
Nov 30, 2010	exp 11/17/10	Thomas Morris	Camp operational	RC_DDH	922.67	RRR		922.67
Nov 30, 2010	exp 11/17/10	Thomas Morris	Camp/Field office Costs	RC_DDH	389.97	RRR		389.97
Nov 30, 2010	11/10-3129413	WSIB - Ontario	Camp operational	RC_DDH	1,380.02	RRR		1,380.02
Nov 30, 2010	ts11/30/10	Leo Moonias	Payroll-FN	RC_DDH	2,800.00	RRR		2,800.00

Date	Num	Name	Memo	Code	Amount	Company GL	100% of cost	50% of cost
Nov 30, 2010	ts 11/30/10	Gordon Sakanee	Payroll-FN	RC_DDH	800.00	RRR		800.00
Dec 01, 2010	perp bk	record w/t Derek Moonias and w/t s/c	Payroll-FN	RC_DDH	2,520.00	RRR		2,520.00
Dec 01, 2010	perp bk	record w/t Eugene Sakanee and w/t s/c	Payroll-FN	RC_DDH	1,280.00	RRR		1,280.00
Dec 01, 2010	perp bk	record w/t Gordon Sakanee and w/t s/c	Payroll-FN	RC_DDH	2,600.00	RRR		2,600.00
Dec 03, 2010	321-11-1	Outland Inc.	Camp operational	RC_DDH	36,527.12	RRR		36,527.12
Dec 03, 2010	321-11	Outland Inc.	Camp operational	RC_DDH	6,984.07	RRR		6,984.07
Dec 10, 2010	408201523	The North West Co. Inc.	Camp operational	RC_DDH	64.08	RRR		64.08
Dec 10, 2010	408201449	The North West Co. Inc.	Camp operational	RC_DDH	14.68	RRR		14.68
Dec 11, 2010	408201685	The North West Co. Inc.	Camp operational	RC_DDH	132.82	RRR		132.82
Dec 11, 2010	408201755	The North West Co. Inc.	Camp operational	RC_DDH	172.35	RRR		172.35
Dec 13, 2010	408201837	The North West Co. Inc.	Camp operational	RC_DDH	115.51	RRR		115.51
Dec 13, 2010	408201871	The North West Co. Inc.	Camp operational	RC_DDH	7.85	RRR		7.85
Dec 14, 2010	408202057	The North West Co. Inc.	Camp operational	RC_DDH	20.75	RRR		20.75
Dec 14, 2010	408202117	The North West Co. Inc.	Camp operational	RC_DDH	181.59	RRR		181.59
Dec 14, 2010	perp bk	recod w/t Eugene Sakanee and w/t s/c	Payroll-FN	RC_DDH	2,240.00	RRR		2,240.00
Dec 14, 2010	perp bk	record w/t Derek Moonias and w/t s/c	Payroll-FN	RC_DDH	1,260.00	RRR		1,260.00
Dec 14, 2010	perp bk	record w/t George Sakanee and w/t s/c	Payroll-FN	RC_DDH	2,800.00	RRR		2,800.00
Dec 15, 2010	Dec. 15/10 stmt	Johnny's Fresh Market	Camp operational	RC_DDH	5,125.10	RRR		5,125.10
Dec 15, 2010	408202278	The North West Co. Inc.	Camp operational	RC_DDH	20.82	RRR		20.82
Dec 15, 2010	IN190604	Wasaya Airways LP	Camp operational	RC_DDH	317.00	RRR		317.00
Dec 16, 2010	exp - TPK	Ken Vargas	Camp operational	RC_DDH	89.99	RRR		89.99
Dec 16, 2010	12886	North Star Air Ltd.	Camp operational	RC_DDH	290.40	RRR		290.40
Dec 16, 2010	408202646	The North West Co. Inc.	Camp operational	RC_DDH	135.31	RRR		135.31
Dec 16, 2010	408202580	The North West Co. Inc.	Camp operational	RC_DDH	77.51	RRR		77.51
Dec 16, 2010	ts-12/15/10	Leo Moonias	Payroll-FN	RC_DDH	1,600.00	RRR		1,600.00
Dec 16, 2010	ts-12/15/10	Gordon Sakanee	Payroll-FN	RC_DDH	1,920.00	RRR		1,920.00
Dec 18, 2010	34375	Nakina Air Service Ltd.	Camp operational	RC_DDH	176.99	RRR		176.99
Dec 18, 2010	34376	Nakina Air Service Ltd.	Camp operational	RC_DDH	176.99	RRR		176.99
Dec 19, 2010	408203074	The North West Co. Inc.	Camp operational	RC_DDH	199.26	RRR		199.26
Dec 20, 2010	TS 12/18/10	Leo Moonias	Payroll-FN	RC_DDH	1,400.00	RRR		1,400.00
Dec 20, 2010	ts 12/18/10	Gordon Sakanee	Payroll-FN	RC_DDH	1,120.00	RRR		1,120.00
Dec 20, 2010	perp bk	record w/t Egnene Sakanee and w/t s/c	Payroll-FN	RC_DDH	640.00	RRR		640.00
Dec 20, 2010	perp bk	record w/t George Sakanee and w/t s/c	Payroll-FN	RC_DDH	1,735.00	RRR		1,735.00
Dec 21, 2010	91007046-00	Gardewine North	Camp operational	RC_DDH	110.88	RRR		110.88
Dec 21, 2010	408203299	The North West Co. Inc.	Camp operational	RC_DDH	5.49	RRR		5.49
Dec 31, 2010	gen jnl	clear scopong costs account in TPK	Camp operational	RC_DDH	31,333.07	RRR		31,333.07
Dec 31, 2010	1150983	North-Air Services	Camp operational	RC_DDH	469.03	RRR		469.03

Date	Num	Name	Memo	Code	Amount	Company GL	100% of cost	50% of cost
Dec 31, 2010	1210129	Overburden Drilling Management Limited	Camp operational	RC_DDH	3,507.19	RRR		3,507.19
Dec 31, 2010	1210127	Overburden Drilling Management Limited	Camp operational	RC_DDH	70.76	RRR		70.76
Dec 31, 2010	2677	True Grit Consulting Ltd.	Camp operational	RC_DDH	2,596.37	RRR		2,596.37
Dec 31, 2010	r 12/31/10-ts	Leo Moonias	Payroll-FN	RC_DDH	2,800.00	RRR		2,800.00
Dec 31, 2010	12/31/10-ts	Gordon Sakanee	Payroll-FN	RC_DDH	1,920.00	RRR		1,920.00
Jan 01, 2011	13091	North Star Air Ltd.	Camp operational	RC_DDH	479.46	RRR		479.46
Jan 01, 2011	13092	North Star Air Ltd.	Camp operational	RC_DDH	52.13	RRR		52.13
Jan 07, 2011	Cash	George Sakanee	Payroll-FN	RC_DDH	1,535.00	RRR		1,535.00
Jan 08, 2011	01/08/11-ts	Leo Moonias	Payroll-FN	RC_DDH	1,400.00	RRR		1,400.00
Jan 08, 2011	01/08/11-ts	Gordon Sakanee	Payroll-FN	RC_DDH	1,120.00	RRR		1,120.00
Jan 10, 2011	13104	North Star Air Ltd.	Camp operational	RC_DDH	7,931.58	RRR		7,931.58
Jan 12, 2011	408206725	The North West Co. Inc.	Camp operational	RC_DDH	260.18	RRR		260.18
Jan 12, 2011	l-4272809	Xplornet Internet Services	Camp/Field office Costs	RC_DDH	131.61	RRR		131.61
Jan 12, 2011	l-4273009	Xplornet Internet Services	Camp/Field office Costs	RC_DDH	208.67	RRR		208.67
Jan 13, 2011	296434	Norman McBride	Camp operational	RC_DDH	12,700.00	RRR		12,700.00
Jan 13, 2011	408206912	The North West Co. Inc.	Camp operational	RC_DDH	23.33	RRR		23.33
Jan 13, 2011	Cash	George Sakanee	Payroll-FN	RC_DDH	1,200.00	RRR		1,200.00
Jan 14, 2011	13162	North Star Air Ltd.	Camp operational	RC_DDH	698.80	RRR		698.80
Jan 15, 2011	408207098	The North West Co. Inc.	Camp operational	RC_DDH	130.80	RRR		130.80
Jan 17, 2011	13180	North Star Air Ltd.	Camp operational	RC_DDH	423.71	RRR		423.71
Jan 17, 2011	13112	North Star Air Ltd.	Camp operational	RC_DDH	22,199.25	RRR		22,199.25
Jan 17, 2011	408207193	The North West Co. Inc.	Camp operational	RC_DDH	53.67	RRR		53.67
Jan 17, 2011	408207381	The North West Co. Inc.	Camp operational	RC_DDH	363.86	RRR		363.86
Jan 17, 2011	408207383	The North West Co. Inc.	Camp operational	RC_DDH	25.53	RRR		25.53
Jan 17, 2011	408207451	The North West Co. Inc.	Camp operational	RC_DDH	186.74	RRR		186.74
Jan 17, 2011	408207696	The North West Co. Inc.	Camp operational	RC_DDH	1,518.56	RRR		1,518.56
Jan 19, 2011	408207748	The North West Co. Inc.	Camp operational	RC_DDH	18.90	RRR		18.90
Jan 19, 2011	408207803	The North West Co. Inc.	Camp operational	RC_DDH	80.95	RRR		80.95
Jan 20, 2011	408206841	The North West Co. Inc.	Camp operational	RC_DDH	203.70	RRR		203.70
Jan 20, 2011	408207852	The North West Co. Inc.	Camp operational	RC_DDH	196.88	RRR		196.88
Jan 20, 2011	408207929	The North West Co. Inc.	Camp operational	RC_DDH	378.62	RRR		378.62
Jan 20, 2011	408207955	The North West Co. Inc.	Camp operational	RC_DDH	9.57	RRR		9.57
Jan 20, 2011	408207969	The North West Co. Inc.	Camp operational	RC_DDH	252.28	RRR		252.28
Jan 20, 2011	408208020	The North West Co. Inc.	Camp operational	RC_DDH	192.16	RRR		192.16
Jan 21, 2011	408208023	The North West Co. Inc.	Camp operational	RC_DDH	99.99	RRR		99.99
Jan 21, 2011	408208035	The North West Co. Inc.	Camp operational	RC_DDH	139.37	RRR		139.37
Jan 21, 2011	408208141	The North West Co. Inc.	Camp operational	RC_DDH	151.20	RRR		151.20

Date	Num	Name	Memo	Code	Amount	Company GL	100% of cost	50% of cost
Jan 22, 2011	408208179	The North West Co. Inc.	Camp operational	RC_DDH	289.28	RRR		289.28
Jan 22, 2011	408208182	The North West Co. Inc.	Camp operational	RC_DDH	99.99	RRR		99.99
Jan 22, 2011	408208184	The North West Co. Inc.	Camp operational	RC_DDH	(15.00)	RRR		(15.00)
Jan 22, 2011	408208186	The North West Co. Inc.	Camp operational	RC_DDH	14.27	RRR		14.27
Jan 22, 2011	408208233	The North West Co. Inc.	Camp operational	RC_DDH	73.91	RRR		73.91
Jan 22, 2011	408208240	The North West Co. Inc.	Camp operational	RC_DDH	47.25	RRR		47.25
Jan 22, 2011	408208293	The North West Co. Inc.	Camp operational	RC_DDH	43.96	RRR		43.96
Jan 22, 2011	408208353	The North West Co. Inc.	Camp operational	RC_DDH	230.58	RRR		230.58
Jan 22, 2011	408208386	The North West Co. Inc.	Camp operational	RC_DDH	141.75	RRR		141.75
Jan 22, 2011	408208416	The North West Co. Inc.	Camp operational	RC_DDH	86.94	RRR		86.94
Jan 22, 2011	ts-01/22/11	Leo Moonias	Payroll-FN	RC_DDH	1,400.00	RRR		1,400.00
Jan 25, 2011	408208606	The North West Co. Inc.	Camp operational	RC_DDH	360.99	RRR		360.99
Jan 25, 2011	408208531	The North West Co. Inc.	Camp operational	RC_DDH	372.63	RRR		372.63
Jan 25, 2011	408208684	The North West Co. Inc.	Camp operational	RC_DDH	10.98	RRR		10.98
Jan 26, 2011	10906	Soudure Automatique Rouyn Inc.	Camp operational	RC_DDH	6,960.00	RRR		6,960.00
Jan 26, 2011	10907	Soudure Automatique Rouyn Inc.	Camp operational	RC_DDH	9,010.00	RRR		9,010.00
Jan 26, 2011	408208879	The North West Co. Inc.	Camp operational	RC_DDH	302.40	RRR		302.40
Jan 26, 2011	408208796	The North West Co. Inc.	Camp operational	RC_DDH	52.95	RRR		52.95
Jan 26, 2011	408208824	The North West Co. Inc.	Camp operational	RC_DDH	312.35	RRR		312.35
Jan 26, 2011	1101270010	Victoria Inn Thunder Bay	Camp operational	RC_DDH	243.98	RRR		243.98
Jan 26, 2011	1101280012	Victoria Inn Thunder Bay	Camp operational	RC_DDH	243.99	RRR		243.99
Jan 26, 2011	1101280009	Victoria Inn Thunder Bay	Camp operational	RC_DDH	243.98	RRR		243.98
Jan 26, 2011	1101280016	Victoria Inn Thunder Bay	Camp operational	RC_DDH	271.98	RRR		271.98
Jan 26, 2011	1101280028	Victoria Inn Thunder Bay	Camp operational	RC_DDH	271.98	RRR		271.98
Jan 26, 2011	1101280029	Victoria Inn Thunder Bay	Camp operational	RC_DDH	271.98	RRR		271.98
Jan 26, 2011	Cash	Eugene Sakanee	Payroll-FN	RC_DDH	800.00	RRR		800.00
Jan 26, 2011	Cash	George Sakanee	Payroll-FN	RC_DDH	2,355.00	RRR		2,355.00
Jan 27, 2011	408209091	The North West Co. Inc.	Camp operational	RC_DDH	266.49	RRR		266.49
Jan 27, 2011	408209001	The North West Co. Inc.	Camp operational	RC_DDH	44.10	RRR		44.10
Jan 27, 2011	408208985	The North West Co. Inc.	Camp operational	RC_DDH	101.60	RRR		101.60
Jan 28, 2011	335-11	Outland Inc.	Camp operational	RC_DDH	36,720.04	RRR		36,720.04
Jan 28, 2011	Exp Jan 2011	Sarah Miller	Camp operational	RC_DDH	1,699.13	RRR		1,699.13
Jan 28, 2011	408100565	The North West Co. Inc.	Camp operational	RC_DDH	113.40	RRR		113.40
Jan 28, 2011	408209145	The North West Co. Inc.	Camp operational	RC_DDH	51.96	RRR		51.96
Jan 29, 2011	408209494	The North West Co. Inc.	Camp operational	RC_DDH	65.03	RRR		65.03
Jan 31, 2011	106661	Graham Energy Limited	Camp operational	RC_DDH	260.31	RRR		260.31
Jan 31, 2011	Jan 2011 STMT	Johnny's Fresh Market	Camp operational	RC_DDH	17,146.10	RRR		17,146.10

Date	Num	Name	Memo	Code	Amount	Company GL	100% of cost	50% of cost
Jan 31, 2011	13290	North Star Air Ltd.	Camp operational	RC_DDH	148.22	RRR		148.22
Jan 31, 2011	13185	North Star Air Ltd.	Camp operational	RC_DDH	11,224.75	RRR		11,224.75
Jan 31, 2011	13389	North Star Air Ltd.	Camp operational	RC_DDH	675.96	RRR		675.96
Jan 31, 2011	408209683	The North West Co. Inc.	Camp operational	RC_DDH	17.98	RRR		17.98
Jan 31, 2011	408209654	The North West Co. Inc.	Camp operational	RC_DDH	25.99	RRR		25.99
Jan 31, 2011	408209519	The North West Co. Inc.	Camp operational	RC_DDH	43.90	RRR		43.90
Jan 31, 2011	Stmt Jan 2011	Tompkins' Hardware Ltd.	Camp operational	RC_DDH	6,451.29	RRR		6,451.29
Feb 01, 2011	13275	North Star Air Ltd.	Camp operational	RC_DDH	2,586.77	RRR		2,586.77
Feb 01, 2011	153076	Strongco	Camp operational	RC_DDH	2,959.31	RRR		2,959.31
Feb 01, 2011	408209729	The North West Co. Inc.	Camp operational	RC_DDH	209.79	RRR		209.79
Feb 01, 2011	408209521	The North West Co. Inc.	Camp operational	RC_DDH	255.15	RRR		255.15
Feb 01, 2011	408209738	The North West Co. Inc.	Camp operational	RC_DDH	200.53	RRR		200.53
Feb 01, 2011	408209781	The North West Co. Inc.	Camp operational	RC_DDH	34.99	RRR		34.99
Feb 02, 2011	408209880	The North West Co. Inc.	Camp operational	RC_DDH	155.28	RRR		155.28
Feb 02, 2011	408209908	The North West Co. Inc.	Camp operational	RC_DDH	25.47	RRR		25.47
Feb 02, 2011	408209979	The North West Co. Inc.	Camp operational	RC_DDH	27.46	RRR		27.46
Feb 02, 2011	408210013	The North West Co. Inc.	Camp operational	RC_DDH	17.99	RRR		17.99
Feb 02, 2011	408210071	The North West Co. Inc.	Camp operational	RC_DDH	141.75	RRR		141.75
Feb 03, 2011	296435	Norm McBride	Camp operational	RC_DDH	8,737.09	RRR		8,737.09
Feb 03, 2011	296435 Ajustment	Norm McBride	Camp operational	RC_DDH	5,000.00	RRR		5,000.00
Feb 03, 2011	408210128	The North West Co. Inc.	Camp operational	RC_DDH	162.54	RRR		162.54
Feb 03, 2011	408210103	The North West Co. Inc.	Camp operational	RC_DDH	30.65	RRR		30.65
Feb 03, 2011	408210379	The North West Co. Inc.	Camp operational	RC_DDH	189.00	RRR		189.00
Feb 03, 2011	ts-01/29/11	Leo Moonias	Payroll-FN	RC_DDH	1,500.00	RRR		1,500.00
Feb 03, 2011	ts-01/30/11	Donald Sakanee	Payroll-FN	RC_DDH	320.00	RRR		320.00
Feb 03, 2011	t/s 01/23-29, 2011	George Sakanee	Payroll-FN	RC_DDH	1,925.00	RRR		1,925.00
Feb 04, 2011	408210257	The North West Co. Inc.	Camp operational	RC_DDH	31.22	RRR		31.22
Feb 05, 2011	408210606	The North West Co. Inc.	Camp operational	RC_DDH	124.74	RRR		124.74
Feb 05, 2011	408210488	The North West Co. Inc.	Camp operational	RC_DDH	226.80	RRR		226.80
Feb 05, 2011	408210473	The North West Co. Inc.	Camp operational	RC_DDH	53.56	RRR		53.56
Feb 07, 2011	408210709	The North West Co. Inc.	Camp operational	RC_DDH	24.99	RRR		24.99
Feb 07, 2011	408210682	The North West Co. Inc.	Camp operational	RC_DDH	162.54	RRR		162.54
Feb 07, 2011	408210652	The North West Co. Inc.	Camp operational	RC_DDH	357.56	RRR		357.56
Feb 08, 2011	408210892	The North West Co. Inc.	Camp operational	RC_DDH	56.87	RRR		56.87
Feb 09, 2011	408211027	The North West Co. Inc.	Camp operational	RC_DDH	242.74	RRR		242.74
Feb 11, 2011	408211412	The North West Co. Inc.	Camp operational	RC_DDH	127.33	RRR		127.33
Feb 11, 2011	408211403	The North West Co. Inc.	Camp operational	RC_DDH	35.91	RRR		35.91

Date	Num	Name	Memo	Code	Amount	Company GL	100% of cost	50% of cost
Feb 11, 2011	IN189893	Wasaya Airways LP	Camp operational	RC_DDH	317.00	RRR		317.00
Feb 11, 2011	ts Jan 23 - Feb 5/11	Leo Moonias	Payroll-FN	RC_DDH	2,125.00	RRR		2,125.00
Feb 11, 2011	ts Jan 22-26	Donald Sakanee	Payroll-FN	RC_DDH	470.00	RRR		470.00
Feb 11, 2011	t/s 01/23-29, 2011	Eugene Sakanee	Payroll-FN	RC_DDH	320.00	RRR		320.00
Feb 11, 2011	t/s 02/1-5, 2011	Eugene Sakanee	Payroll-FN	RC_DDH	800.00	RRR		800.00
Feb 11, 2011	t/s 01/31-02/5, 2011	George Sakanee	Payroll-FN	RC_DDH	1,700.00	RRR		1,700.00
Feb 11, 2011	ts Feb 3-5, 2011	Gordon Sakanee	Payroll-FN	RC_DDH	540.00	RRR		540.00
Feb 11, 2011	ts Jan12-14/11	Gordon Sakanee	Payroll-FN	RC_DDH	480.00	RRR		480.00
Feb 12, 2011	408211608	The North West Co. Inc.	Camp operational	RC_DDH	240.03	RRR		240.03
Feb 14, 2011	208211775	The North West Co. Inc.	Camp operational	RC_DDH	44.72	RRR		44.72
Feb 14, 2011	408211760	The North West Co. Inc.	Camp operational	RC_DDH	308.80	RRR		308.80
Feb 15, 2011	408211956	The North West Co. Inc.	Camp operational	RC_DDH	287.00	RRR		287.00
Feb 15, 2011	408211775	The North West Co. Inc.	Camp operational	RC_DDH	44.72	RRR		44.72
Feb 18, 2011	106903	Graham Energy Limited	Camp operational	RC_DDH	3,247.94	RRR		3,247.94
Feb 18, 2011	408212286	The North West Co. Inc.	Camp operational	RC_DDH	230.29	RRR		230.29
Feb 18, 2011	408100681	The North West Co. Inc.	Camp operational	RC_DDH	119.93	RRR		119.93
Feb 19, 2011	408212518	The North West Co. Inc.	Camp operational	RC_DDH	5.49	RRR		5.49
Feb 19, 2011	408100693	The North West Co. Inc.	Camp operational	RC_DDH	343.54	RRR		343.54
Feb 19, 2011	408212501	The North West Co. Inc.	Camp operational	RC_DDH	109.14	RRR		109.14
Feb 19, 2011	408212456	The North West Co. Inc.	Camp operational	RC_DDH	41.58	RRR		41.58
Feb 20, 2011	408212697	The North West Co. Inc.	Camp operational	RC_DDH	49.27	RRR		49.27
Feb 21, 2011	t/s Feb 6-19, 2011	Leo Moonias	Payroll-FN	RC_DDH	2,800.00	RRR		2,800.00
Feb 21, 2011	t/s Feb 11-10, 2011	Gordon Sakanee	Payroll-FN	RC_DDH	1,440.00	RRR		1,440.00
Feb 21, 2011	t/s Feb 6-10, 2011	Gordon Sakanee	Payroll-FN	RC_DDH	900.00	RRR		900.00
Feb 22, 2011	11038	Soudure Automatique Rouyn Inc.	Camp operational	RC_DDH	6,838.48	RRR		6,838.48
Feb 22, 2011	408213034	The North West Co. Inc.	Camp operational	RC_DDH	33.32	RRR		33.32
Feb 22, 2011	408212952	The North West Co. Inc.	Camp operational	RC_DDH	23.97	RRR		23.97
Feb 22, 2011	408212857	The North West Co. Inc.	Camp operational	RC_DDH	18.64	RRR		18.64
Feb 22, 2011	408100784	The North West Co. Inc.	Camp operational	RC_DDH	167.88	RRR		167.88
Feb 22, 2011	t/s 02/ 5-12, 2011	Eugene Sakanee	Payroll-FN	RC_DDH	1,120.00	RRR		1,120.00
Feb 22, 2011	t/s 02/06-19+Rental	George Sakanee	Payroll-FN	RC_DDH	3,625.00	RRR		3,625.00
Feb 23, 2011	408213068	The North West Co. Inc.	Camp operational	RC_DDH	31.98	RRR		31.98
Feb 23, 2011	408213138	The North West Co. Inc.	Camp operational	RC_DDH	36.66	RRR		36.66
Feb 24, 2011	11039	Soudure Automatique Rouyn Inc.	Camp operational	RC_DDH	1,600.00	RRR		1,600.00
Feb 24, 2011	408213247	The North West Co. Inc.	Camp operational	RC_DDH	233.00	RRR		233.00
Feb 24, 2011	408213260	The North West Co. Inc.	Camp operational	RC_DDH	150.68	RRR		150.68
Feb 28, 2011	338-11	Outland Inc.	Camp operational	RC_DDH	100,882.67	RRR	100,882.67	417,740.07

Date	Num	Name	Memo	Code	Amount	Company GL	100% of cost	50% of cost
Feb 28, 2011	408100933	The North West Co. Inc.	Camp operational	RC_DDH	485.56	RRR	485.56	
Feb 28, 2011	408213981	The North West Co. Inc.	Camp operational	RC_DDH	167.58	RRR	167.58	
Mar 01, 2011	13439	North Star Air Ltd.	Camp operational	RC_DDH	2,592.40	RRR	2,592.40	
Mar 01, 2011	13463	North Star Air Ltd.	Camp operational	RC_DDH	661.74	RRR	661.74	
Mar 01, 2011	13473	North Star Air Ltd.	Camp operational	RC_DDH	1,371.88	RRR	1,371.88	
Mar 01, 2011	13515	North Star Air Ltd.	Camp operational	RC_DDH	112.12	RRR	112.12	
Mar 01, 2011	13313	North Star Air Ltd.	Camp operational	RC_DDH	67,153.21	RRR	67,153.21	
Mar 01, 2011	13445	North Star Air Ltd.	Camp operational	RC_DDH	15,717.05	RRR	15,717.05	
Mar 02, 2011	408214325	The North West Co. Inc.	Camp operational	RC_DDH	49.50	RRR	49.50	
Mar 02, 2011	408214408	The North West Co. Inc.	Camp operational	RC_DDH	241.99	RRR	241.99	
Mar 03, 2011	02/11 01396-16005	Hydro One	Camp operational	RC_DDH	27.54	RRR	27.54	
Mar 03, 2011	348-11	Outland Inc.	Camp operational	RC_DDH	69,238.39	RRR	69,238.39	
Mar 03, 2011	408100976	The North West Co. Inc.	Camp operational	RC_DDH	16.07	RRR	16.07	
Mar 03, 2011	408214547	The North West Co. Inc.	Camp operational	RC_DDH	99.00	RRR	99.00	
Mar 03, 2011	408214424	The North West Co. Inc.	Camp operational	RC_DDH	358.62	RRR	358.62	
Mar 04, 2011	13516	North Star Air Ltd.	Camp operational	RC_DDH	611.10	RRR	611.10	
Mar 04, 2011	408214779	The North West Co. Inc.	Camp operational	RC_DDH	244.99	RRR	244.99	
Mar 04, 2011	408214670	The North West Co. Inc.	Camp operational	RC_DDH	69.30	RRR	69.30	
Mar 05, 2011	408214937	The North West Co. Inc.	Camp operational	RC_DDH	351.13	RRR	351.13	
Mar 05, 2011	408214939	The North West Co. Inc.	Camp operational	RC_DDH	102.30	RRR	102.30	
Mar 05, 2011	408214361	The North West Co. Inc.	Camp operational	RC_DDH	195.58	RRR	195.58	
Mar 09, 2011	13562	North Star Air Ltd.	Camp operational	RC_DDH	119.02	RRR	119.02	
Mar 09, 2011	13520	North Star Air Ltd.	Camp operational	RC_DDH	6,377.76	RRR	6,377.76	
Mar 09, 2011	13559	North Star Air Ltd.	Camp operational	RC_DDH	600.00	RRR	600.00	
Mar 09, 2011	02/28/11 STMT	Tompkins' Hardware Ltd.	Camp operational	RC_DDH	3,812.29	RRR	3,812.29	
Mar 09, 2011	t/s Feb 20-Mar 5/11	Leo Moonias	Payroll-FN	RC_DDH	1,700.00	RRR	1,700.00	
Mar 09, 2011	t/s Feb 23-Mar 5/11	Eugene Sakanee	Payroll-FN	RC_DDH	1,920.00	RRR	1,920.00	
Mar 09, 2011	t/s Feb 20-Mar 5/11	George Sakanee	Payroll-FN	RC_DDH	3,100.00	RRR	3,100.00	
Mar 11, 2011	408215770	The North West Co. Inc.	Camp operational	RC_DDH	326.71	RRR	326.71	
Mar 11, 2011	408215945	The North West Co. Inc.	Camp operational	RC_DDH	155.10	RRR	155.10	
Mar 12, 2011	408216115	The North West Co. Inc.	Camp operational	RC_DDH	108.90	RRR	108.90	
Mar 12, 2011	408216059	The North West Co. Inc.	Camp operational	RC_DDH	143.55	RRR	143.55	
Mar 12, 2011	408216124	The North West Co. Inc.	Camp operational	RC_DDH	25.98	RRR	25.98	
Mar 14, 2011	408216161	The North West Co. Inc.	Camp operational	RC_DDH	355.71	RRR	355.71	
Mar 17, 2011	gen jnl	Accrue North Star Air inv. #13593	Camp operational	RC_DDH	2,417.20	RRR	2,417.20	
Mar 17, 2011	408216598	The North West Co. Inc.	Camp operational	RC_DDH	183.87	RRR	183.87	
Mar 18, 2011	E755328	ALS Canada Ltd.	Camp operational	RC_DDH	53.86	RRR	53.86	

Date	Num	Name	Memo	Code	Amount	Company GL	100% of cost	50% of cost
Mar 18, 2011	Feb 28/11 stmt	Johnny's Fresh Market	Camp operational	RC_DDH	12,214.94	RRR	12,214.94	
Mar 19, 2011	408216879	The North West Co. Inc.	Camp operational	RC_DDH	158.40	RRR	158.40	
Mar 19, 2011	408217002	The North West Co. Inc.	Camp operational	RC_DDH	146.85	RRR	146.85	
Mar 19, 2011	408217034	The North West Co. Inc.	Camp operational	RC_DDH	4.99	RRR	4.99	
Mar 21, 2011	107236	Graham Energy Limited	Camp operational	RC_DDH	1,805.52	RRR	1,805.52	
Mar 21, 2011	408217236	The North West Co. Inc.	Camp operational	RC_DDH	123.75	RRR	123.75	
Mar 21, 2011	408217231	The North West Co. Inc.	Camp operational	RC_DDH	14.19	RRR	14.19	
Mar 22, 2011	t/s Mar 6-19/11	George Sakanee	Camp operational	RC_DDH	1,300.00	RRR	1,300.00	
Mar 22, 2011	t/s Mar 6-19/11	Leo Moonias	Camp operational	RC_DDH	(711.89)	RRR	(711.89)	
Mar 22, 2011	13618	North Star Air Ltd.	Camp operational	RC_DDH	264,389.03	RRR	264,389.03	
Mar 22, 2011	t/s Mar 6-19/11	Leo Moonias	Payroll-FN	RC_DDH	3,475.00	RRR	3,475.00	
Mar 22, 2011	t/s Mar 6-19/11	George Sakanee	Payroll-FN	RC_DDH	3,475.00	RRR	3,475.00	
Mar 22, 2011	T/S Mar 6-19, 2011	Gordon Sakanee	Payroll-FN	RC_DDH	2,160.00	RRR	2,160.00	
Mar 23, 2011	Mar 27, 2011 Exp	Corporate BMO Mastercard - Office supplies	Camp/Field office Costs	RC_DDH	179.80	RRR	179.80	
Mar 31, 2011	gen jnl	Accrue North Star Air invoice #13567	Camp operational	RC_DDH	33,782.00	RRR	33,782.00	
Aug 25, 2011	363-D-11	Outland Inc.	Payroll-RRR	RC_DDH	3,400.00	RRR	3,400.00	
							608,067.25	208,870.04

total \$ 816,937.29
 \$ 408,468.64 to RC phase 2
 \$ 408,468.64 to 2010/11 DD

Shared Helicopter Costs

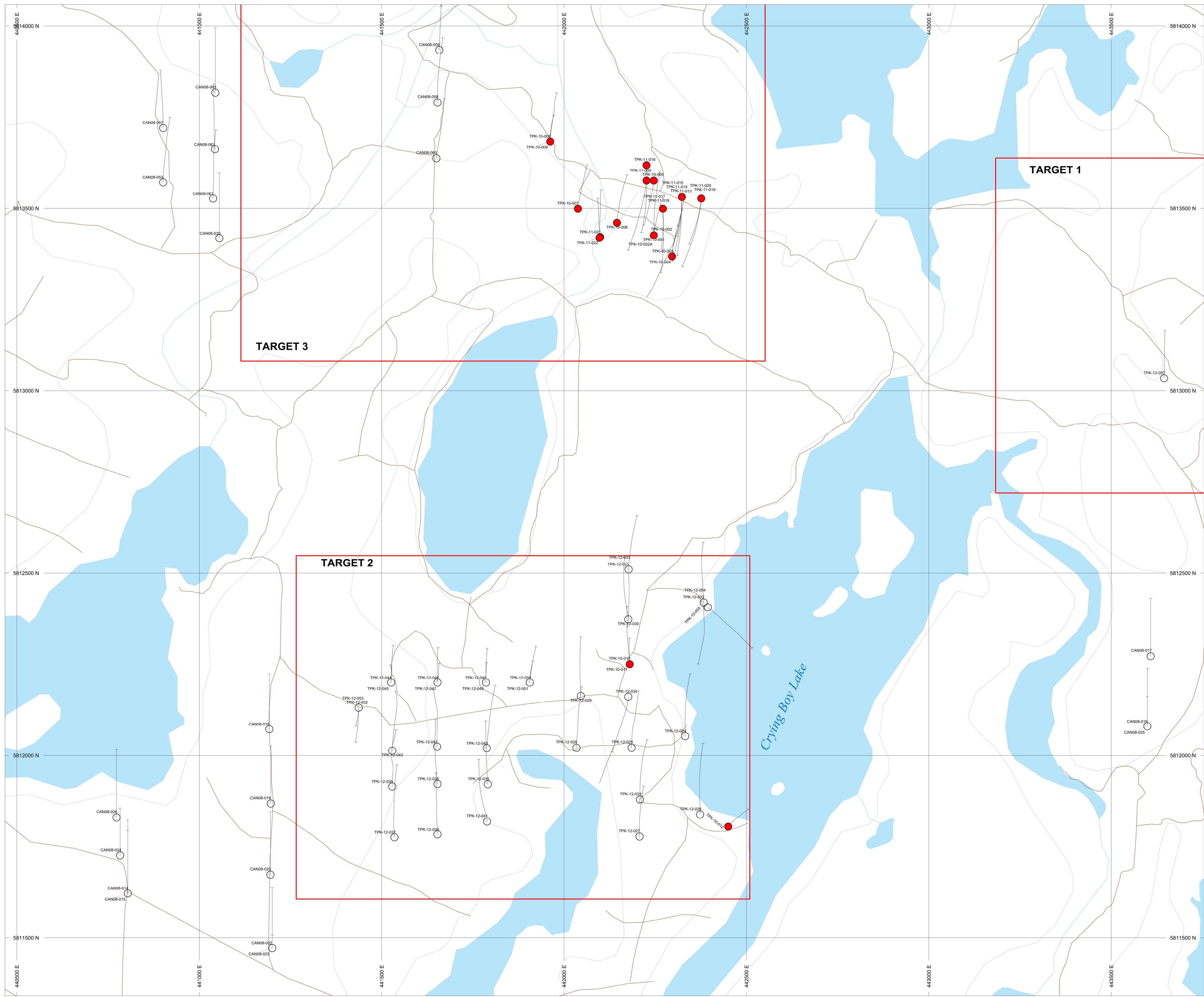
<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Code</u>	<u>Amount</u>	<u>Company Gl</u>	100% of cost	50% of cost
Nov 01, 2010	3829	Forest Helicopters Inc.		RC_DDH	71,974.82	RRR		71,974.82
Jan 28, 2011	3846	Forest Helicopters Inc.		RC_DDH	62,235.25	RRR		62,235.25
Jan 28, 2011	3847	Forest Helicopters Inc.		RC_DDH	3,173.05	RRR		3,173.05
Nov 24, 2010	3830	Forest Helicopters Inc.		RC_DDH	3,645.03	RRR		3,645.03
Nov 24, 2010	3819	Forest Helicopters Inc.		RC_DDH	49,077.25	RRR		49,077.25
Nov 25, 2010	3821	Forest Helicopters Inc.		RC_DDH	130,824.00	RRR		130,824.00
Nov 25, 2010	3822	Forest Helicopters Inc.		RC_DDH	10,038.07	RRR		10,038.07
Dec 31, 2010	3844	Forest Helicopters Inc.		RC_DDH	9,110.32	RRR		9,110.32
Dec 31, 2010	3843	Forest Helicopters Inc.		RC_DDH	167,917.95	RRR		167,917.95
Feb 28, 2011	3868	Forest Helicopters Inc.		RC_DDH	7,482.52	RRR	7,482.52	507,995.74
Feb 28, 2011	3867	Forest Helicopters Inc.		RC_DDH	146,758.75	RRR	146,758.75	
Mar 24, 2011	3887	Forest Helicopters Inc.		RC_DDH	4,247.74	RRR	4,247.74	
Mar 24, 2011	3886	Forest Helicopters Inc.		RC_DDH	81,295.75	RRR	81,295.75	
Apr 08, 2011	3902	Forest Helicopters Inc.		RC_DDH	1,941.84	RRR	1,941.84	
Apr 07, 2011	3901	Forest Helicopters Inc.		RC_DDH	40,342.26	RRR	40,342.26	
							282,068.86	253,997.87
				total	\$ 536,066.73			
					\$ 268,033.37	to RC pahse 2		
					\$ 268,033.37	to 2010/11 DD		

Shared Fixed Wing Costs

Date	Num	Name	Memo	Code	Amount	Company GL	100% of cost	50% of cost
Nov 08, 2010	12648	North Star Air Ltd.	Fixed Wing	RC_DDH	7,000.00	RRR		7,000.00
Nov 13, 2010	IN187674	Wasaya Airways LP	Fixed Wing	RC_DDH	504.00	RRR		504.00
Nov 15, 2010	IN187948	Wasaya Airways LP	Fixed Wing	RC_DDH	25.00	RRR		25.00
Nov 17, 2010	12661	North Star Air Ltd.	Fixed Wing	RC_DDH	46,084.63	RRR		46,084.63
Nov 22, 2010	IN188651	Wasaya Airways LP	Fixed Wing	RC_DDH	90.00	RRR		90.00
Nov 24, 2010	IN188793	Wasaya Airways LP	Fixed Wing	RC_DDH	264.00	RRR		264.00
Nov 30, 2010	12777	North Star Air Ltd.	Fixed Wing	RC_DDH	7,700.00	RRR		7,700.00
Nov 30, 2010	12829	North Star Air Ltd.	Fixed Wing	RC_DDH	900.00	RRR		900.00
Nov 30, 2010	12847	North Star Air Ltd.	Fixed Wing	RC_DDH	7,779.20	RRR		7,779.20
Nov 30, 2010	12830	North Star Air Ltd.	Fixed Wing	RC_DDH	1,549.16	RRR		1,549.16
Nov 30, 2010	12873	North Star Air Ltd.	Fixed Wing	RC_DDH	1,001.70	RRR		1,001.70
Nov 30, 2010	Nov. 10-stmt	Nakina Air Service Ltd.	Air Travel	RC_DDH	18,505.83	RRR		18,505.83
Dec 05, 2010	C16022	Nakina Air Service Ltd.	Air Travel	RC_DDH	2,056.20	RRR		2,056.20
Dec 10, 2010	C16274	Nakina Air Service Ltd.	Air Travel	RC_DDH	1,028.10	RRR		1,028.10
Dec 16, 2010	12886	North Star Air Ltd.	Fixed Wing	RC_DDH	15,960.00	RRR		15,960.00
Dec 16, 2010	12886	North Star Air Ltd.	Fixed Wing	RC_DDH	9,201.77	RRR		9,201.77
Dec 18, 2010	C16283	Nakina Air Service Ltd.	Air Travel	RC_DDH	2,056.20	RRR		2,056.20
Dec 18, 2010	C16284	Nakina Air Service Ltd.	Air Travel	RC_DDH	1,028.10	RRR		1,028.10
Jan 01, 2011	B64498	Nakina Air Service Ltd.	Fixed Wing	RC_DDH	219.24	RRR		219.24
Jan 01, 2011	C16273	Nakina Air Service Ltd.	Fixed Wing	RC_DDH	1,028.10	RRR		1,028.10
Jan 01, 2011	C23045	Nakina Air Service Ltd.	Fixed Wing	RC_DDH	2,056.20	RRR		2,056.20
Jan 01, 2011	C16282	Nakina Air Service Ltd.	Fixed Wing	RC_DDH	1,028.10	RRR		1,028.10
Jan 01, 2011	C23047	Nakina Air Service Ltd.	Fixed Wing	RC_DDH	1,028.10	RRR		1,028.10
Jan 01, 2011	C23049	Nakina Air Service Ltd.	Fixed Wing	RC_DDH	2,056.20	RRR		2,056.20
Jan 01, 2011	14956479	Manitoulin Transport	Fixed Wing	RC_DDH	302.99	RRR		302.99
Jan 01, 2011	14653526	Manitoulin Transport	Fixed Wing	RC_DDH	186.06	RRR		186.06
Jan 01, 2011	142622684	Manitoulin Transport	Fixed Wing	RC_DDH	296.51	RRR		296.51
Jan 01, 2011	15376507	Manitoulin Transport	Fixed Wing	RC_DDH	261.10	RRR		261.10
Jan 01, 2011	13030	North Star Air Ltd.	Fixed Wing	RC_DDH	1,596.00	RRR		1,596.00
Jan 12, 2011	C16305	Nakina Air Service Ltd.	Fixed Wing	RC_DDH	2,753.00	RRR		2,753.00
Jan 12, 2011	C16309	Nakina Air Service Ltd.	Fixed Wing	RC_DDH	2,722.50	RRR		2,722.50
Jan 12, 2011	35367	Nakina Air Service Ltd.	Air Travel	RC_DDH	209.55	RRR		209.55
Jan 12, 2011	35368	Nakina Air Service Ltd.	Air Travel	RC_DDH	209.55	RRR		209.55

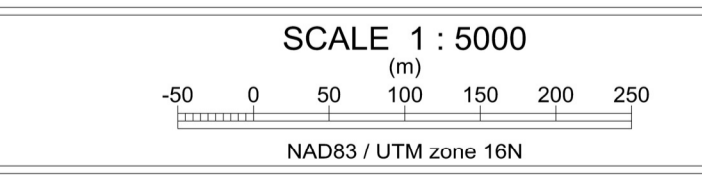
Date	Num	Name	Memo	Code	Amount	Company GL	100% of cost	50% of cost
Jan 12, 2011	35369	Nakina Air Service Ltd.	Air Travel	RC_DDH	209.55	RRR		209.55
Jan 12, 2011	B69326	Nakina Air Service Ltd.	Air Travel	RC_DDH	897.84	RRR		897.84
Jan 17, 2011	13112	North Star Air Ltd.	Fixed Wing	RC_DDH	25,536.00	RRR		25,536.00
Jan 18, 2011	C16310	Nakina Air Service Ltd.	Fixed Wing	RC_DDH	2,753.00	RRR		2,753.00
Jan 27, 2011	13245	North Star Air Ltd.	Fixed Wing	RC_DDH	4,571.00	RRR		4,571.00
Jan 31, 2011	13185	North Star Air Ltd.	Fixed Wing	RC_DDH	22,468.80	RRR		22,468.80
Jan 31, 2011	BF-52678	Bradley Brothers Limited	Air Travel	RC_DDH	7,415.94	RRR		7,415.94
Feb 01, 2011	IN194511	Wasaya Airways LP	Air Travel	RC_DDH	1,050.00	RRR		1,050.00
Feb 02, 2011	IN191567	Wasaya Airways LP	Air Travel	RC_DDH	50.00	RRR		50.00
Feb 04, 2011	C23100	Nakina Air Service Ltd.	Fixed Wing	RC_DDH	2,722.51	RRR		2,722.51
Feb 04, 2011	C23105	Nakina Air Service Ltd.	Fixed Wing	RC_DDH	2,753.03	RRR		2,753.03
Feb 04, 2011	C23118	Nakina Air Service Ltd.	Fixed Wing	RC_DDH	2,753.03	RRR		2,753.03
Feb 14, 2011	IN195312	Wasaya Airways LP	Air Travel	RC_DDH	2,326.00	RRR		2,326.00
Feb 17, 2011	WT010131	Wasaya Airways LP	Air Travel	RC_DDH	3,085.35	RRR		3,085.35
Feb 17, 2011	CN182005-1	Wasaya Airways LP	Air Travel	RC_DDH	1,046.00	RRR		1,046.00
Feb 18, 2011	C23133	Nakina Air Service Ltd.	Fixed Wing	RC_DDH	2,753.03	RRR		2,753.03
Feb 25, 2011	103022	Nakina Air Service Ltd.	Air Travel	RC_DDH	209.55	RRR	209.55	221,078.17
Feb 25, 2011	103023	Nakina Air Service Ltd.	Air Travel	RC_DDH	209.55	RRR	209.55	
Mar 09, 2011	13520	North Star Air Ltd.	Fixed Wing	RC_DDH	14,186.00	RRR	14,186.00	
Mar 11, 2011	C23307	Nakina Air Service Ltd.	Fixed Wing	RC_DDH	2,753.00	RRR	2,753.00	
Mar 22, 2011	13618	North Star Air Ltd.	Fixed Wing	RC_DDH	142,500.00	RRR	142,500.00	
							159,858.10	110,539.09

total \$ 270,397.19
\$ 135,198.59 to RC Phase 2
\$ 135,198.59 to 2010/11 DD

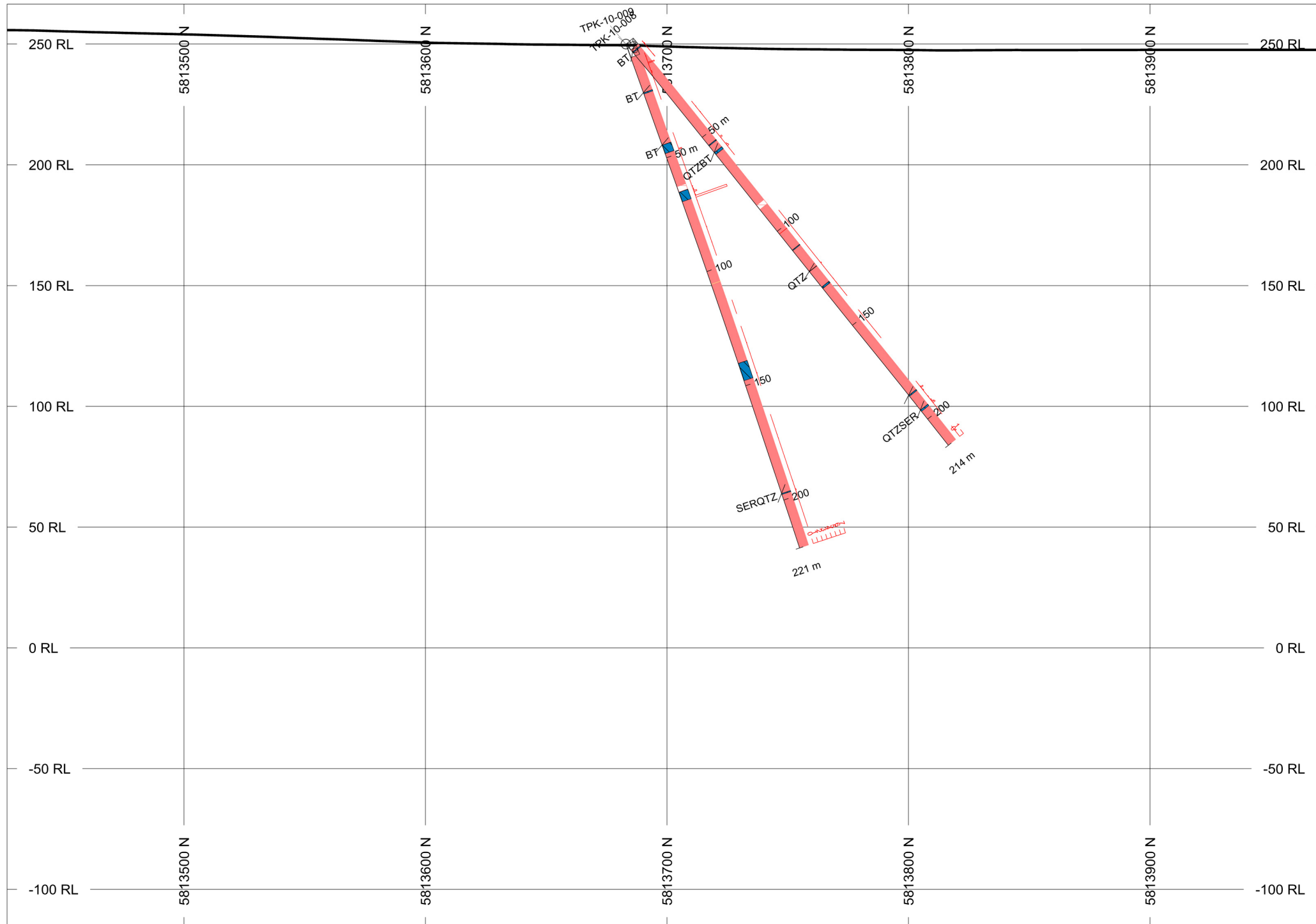
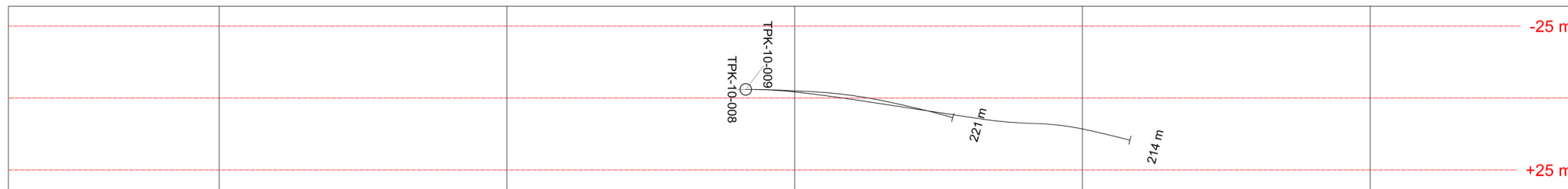


- 2010 - 2011 Diamond Drill Hole Location
- Lakes
- Drill Trails
- Target Area Outline

PLAN SPECS:
 REF. PT. E, N 442100 m 5813000 m
 EXTENTS 3287 m 2718 m



Rainy River Resources Ltd.
 Ti-pa-haa-kaai-ning (TPK) Property
 2010 - 2011 Diamond Drilling



HOLES PLOTTED

TOTAL 2

TPK-10-008 TPK-10-009



TOPOGRAPHY

DTM: BigDamArea_09-028.GRD
 Structural Ticks: No data plotted
 DIP / AZ

BAR GRAPHS L/R COL
 Au R

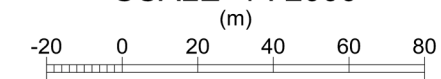
ROCK CODES	PAT	LABEL	DESCRIPTION
		APL	Aplite Dyke
		CAS	Casing
		FD	Felsic Dike
		QMON	Quartz Monzonite
		SHR	Shear
		VQTZ	Quartz Vein

POSTED TEXT L/R TEXT ITEMS
 Alteration L ----- All

SECTION SPECS:

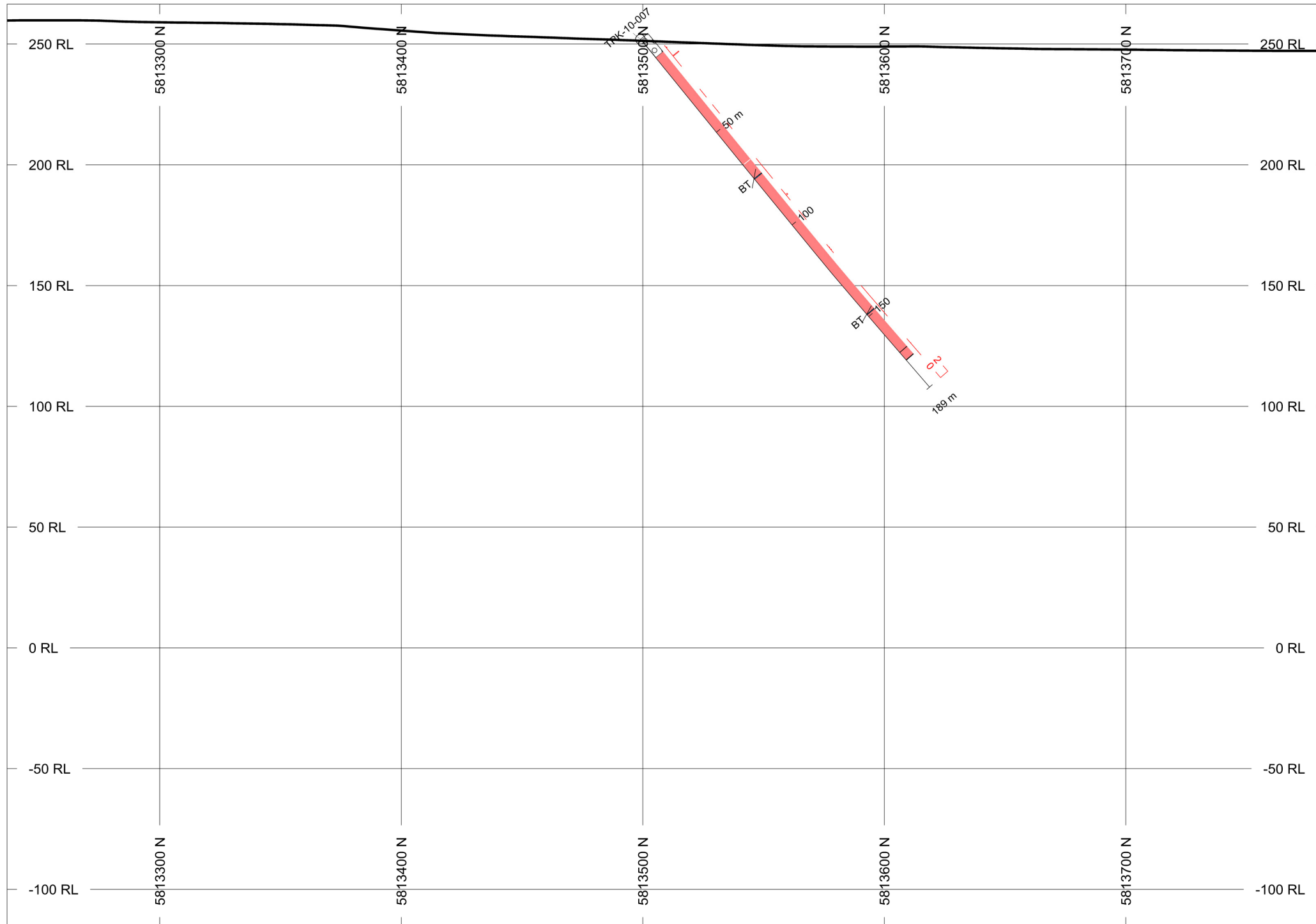
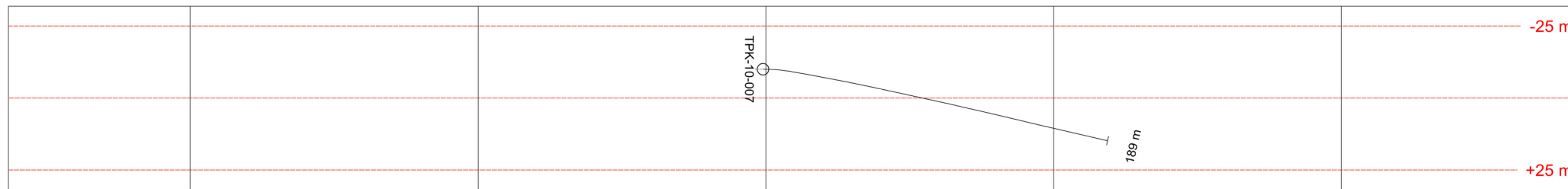
REF. PT. E, N 441965 m 5813700 m
 EXTENTS 546.4 m 382.1 m
 SECTION TOP, BOT 266.5 m -115.6 m
 TOLERANCE +/- 25 m

SCALE 1 : 2000



NAD83 / UTM zone 16N

Rainy River Resources
TPK Property
2010-2011 Diamond Drilling
Section 19+00E



HOLES PLOTTED

TOTAL 1

TPK-10-007



TOPOGRAPHY

DTM: BigDamArea_09-028.GRD

Structural Ticks: No data plotted

DIP / AZ

BAR GRAPHS

Au L/R COL R

ROCK CODES	PAT	LABEL	DESCRIPTION
ROCKTYPE		APL	Aplite Dyke
		CAS	Casing
		QMON	Quartz Monzonite
		SHR	Shear

POSTED TEXT

Alteration L ----- All

SECTION SPECS:

REF. PT. E, N 442048 m 5813510 m

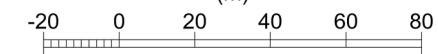
EXTENTS 546.4 m 382.1 m

SECTION TOP, BOT 266.5 m -115.6 m

TOLERANCE +/- 25 m

SCALE 1 : 2000

(m)



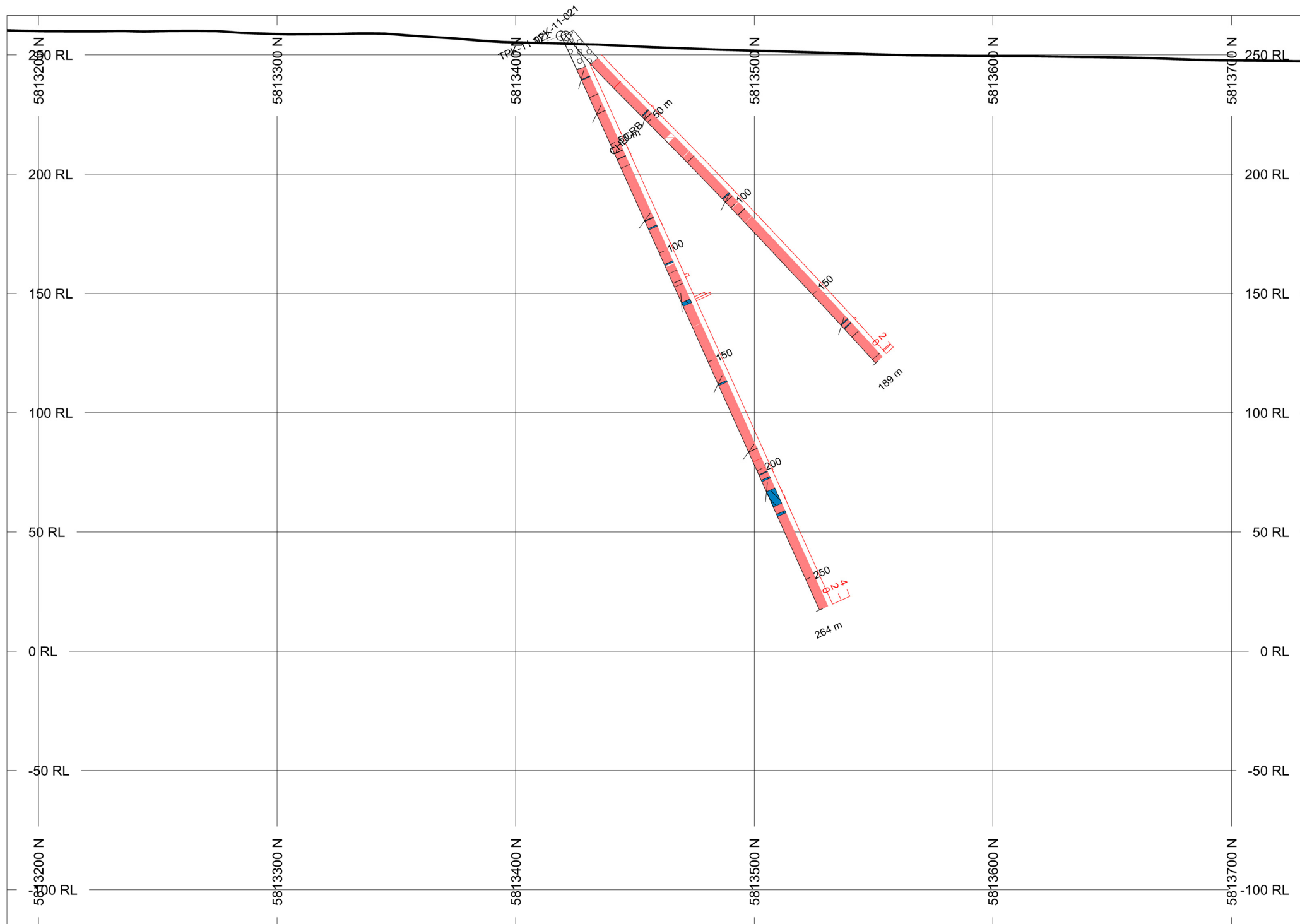
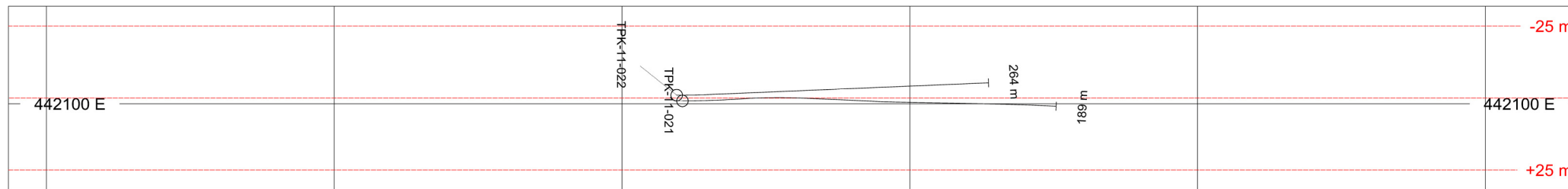
NAD83 / UTM zone 16N

Rainy River Resources

TPK Property

2010-2011 Diamond Drilling

Section 20+00E



HOLES PLOTTED

TOTAL 2

TPK-11-021 TPK-11-022



TOPOGRAPHY

DTM: BigDamArea_09-028.GRD
 Structural Ticks: No data plotted
 DIP / AZ

BAR GRAPHS L/R COL
 Au R

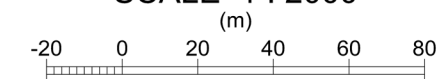
ROCK CODES	PAT	LABEL	DESCRIPTION
APL	[Pattern]	APL	Aplite Dyke
CAS	[Pattern]	CAS	Casing
QMON	[Pattern]	QMON	Quartz Monzonite
SHR	[Pattern]	SHR	Shear
VQTZ	[Pattern]	VQTZ	Quartz Vein

POSTED TEXT L/R TEXT ITEMS
 Alteration L ----- All

SECTION SPECS:

REF. PT. E, N 442098 m 5813460 m
 EXTENTS 546.4 m 382.1 m
 SECTION TOP, BOT 266.5 m -115.6 m
 TOLERANCE +/- 25 m

SCALE 1 : 2000



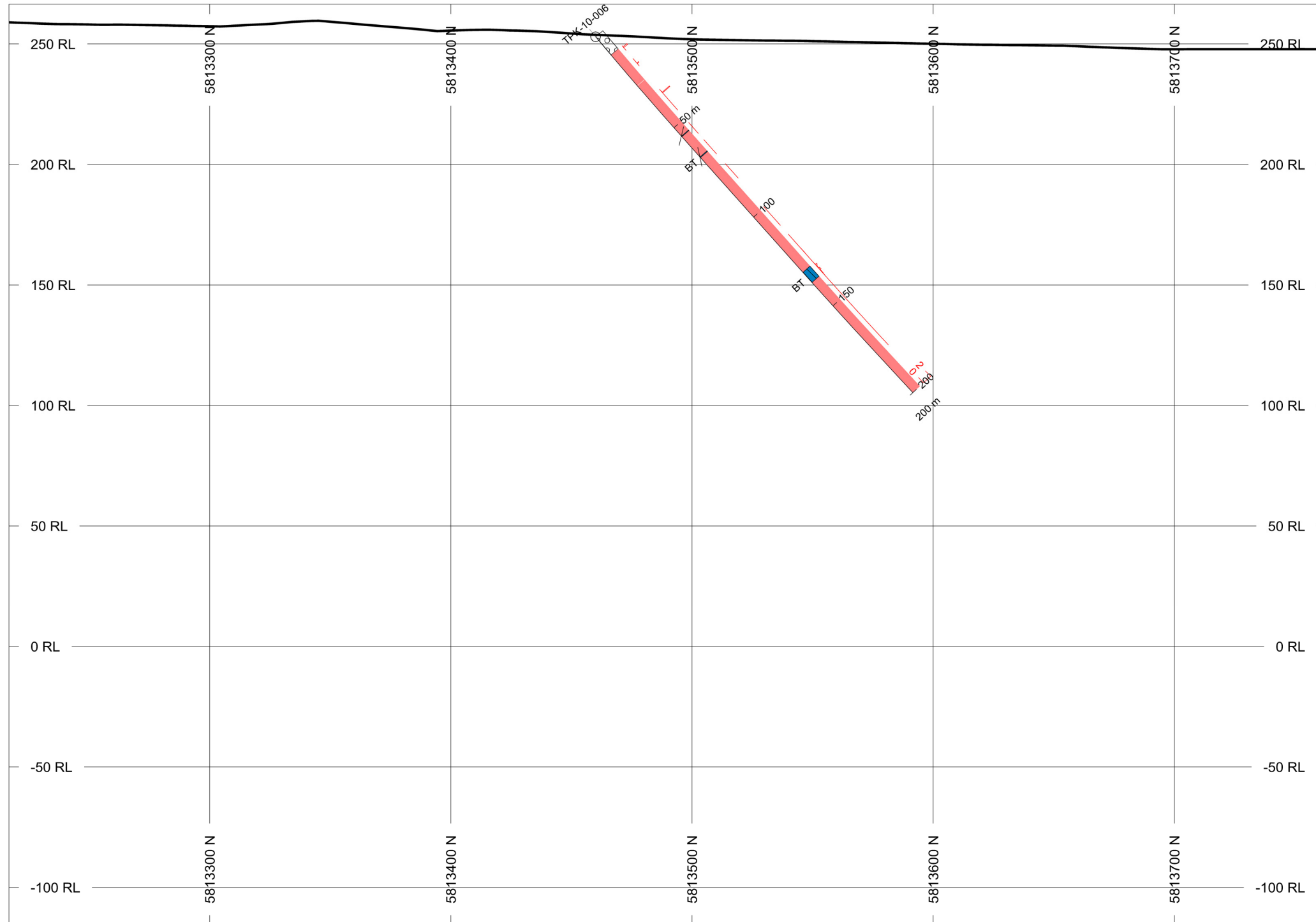
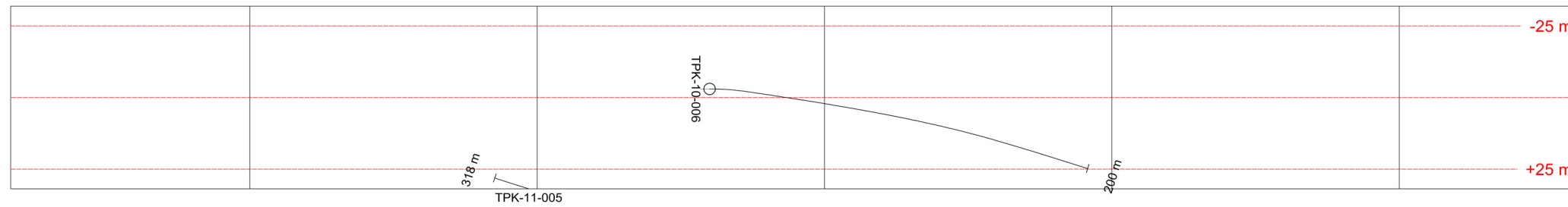
NAD83 / UTM zone 16N

Rainy River Resources

TPK Property

2010-2011 Diamond Drilling

Section 20+50E



HOLES PLOTTED

TOTAL 1

TPK-10-006



TOPOGRAPHY

DTM: BigDamArea_09-028.GRD
 Structural Ticks: No data plotted
 DIP / AZ:

BAR GRAPHS L/R COL
 Au R

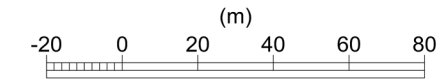
ROCK CODES	PAT	LABEL	DESCRIPTION
ROCKTYPE		APL	Aplite Dyke
		CAS	Casing
		QMON	Quartz Monzonite
		SHR	Shear

POSTED TEXT L/R TEXT ITEMS
 Alteration L ----- All

SECTION SPECS:

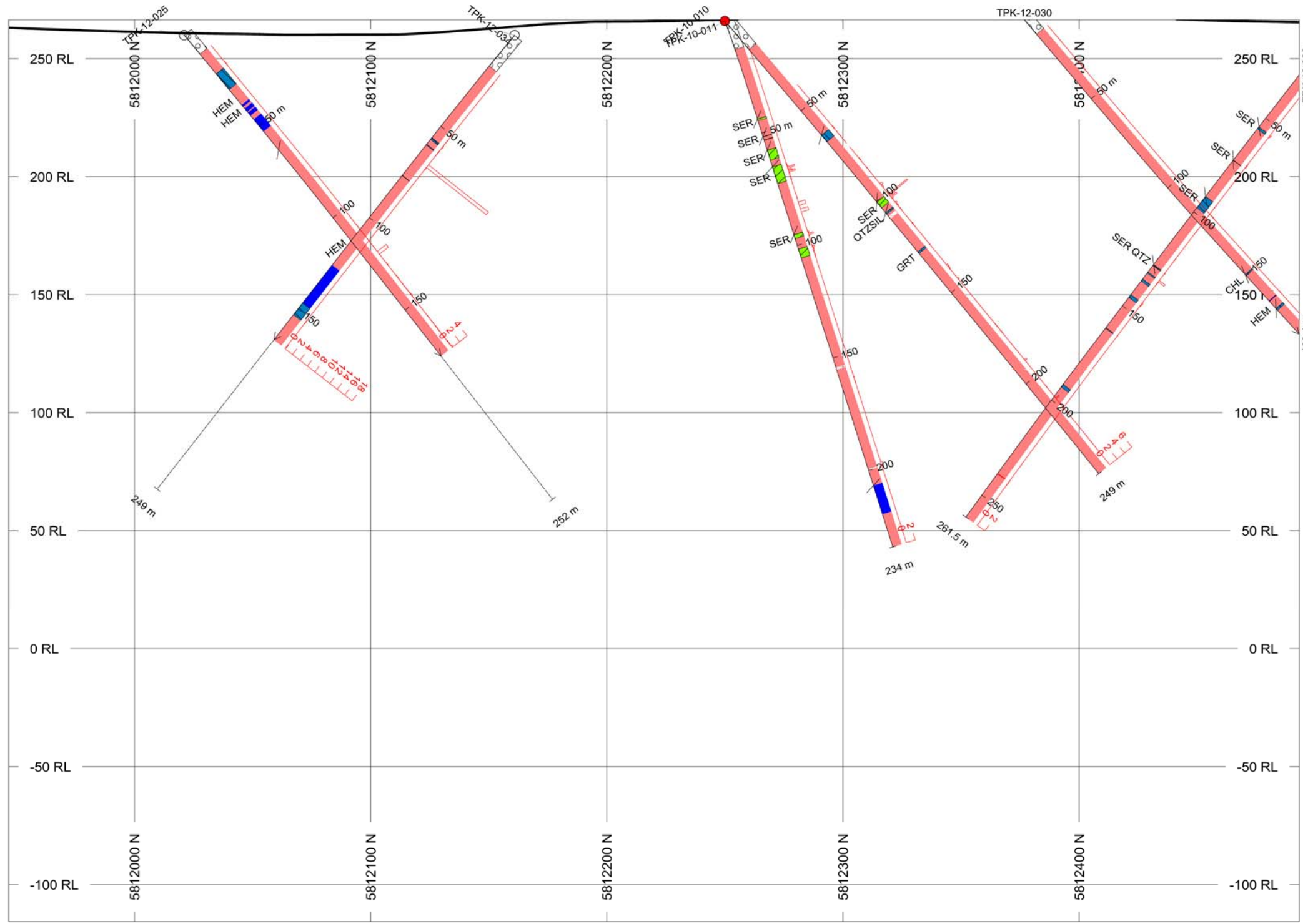
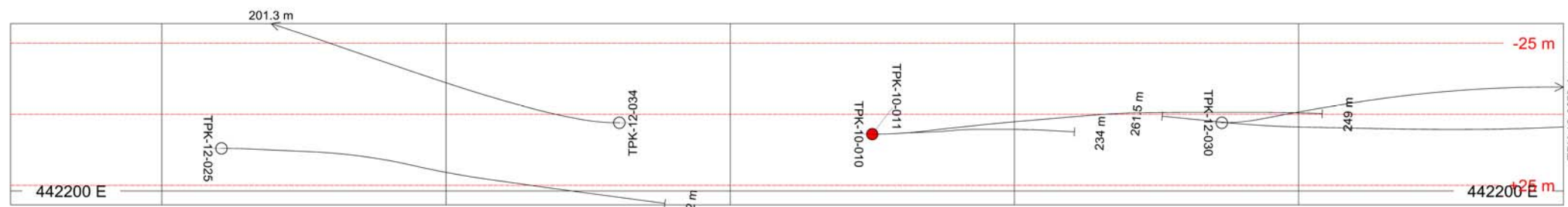
REF. PT. E, N 442148 m 5813490 m
 EXTENTS 546.4 m 382.1 m
 SECTION TOP, BOT 266.5 m -115.6 m
 TOLERANCE +/- 25 m

SCALE 1 : 2000



NAD83 / UTM zone 16N

Rainy River Resources
TPK Property
2010-2011 Diamond Drilling
Section 21+00E



HOLES PLOTTED

TOTAL 6

TPK-10-010 TPK-10-011 TPK-12-025 TPK-12-030
 TPK-12-033 TPK-12-034



TOPOGRAPHY

DTM: BigDamArea_09-028.GRD
 Structural Ticks: No data plotted
 DIP / AZ

BAR GRAPHS	L/R	COL
Au	R	[Red Box]

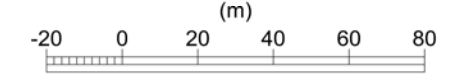
ROCK CODES	PAT	LABEL	DESCRIPTION
ROCKTYPE	[White Box]	APL	Aplite Dyke
	[Blue Box]	CAS	Casing
	[Dark Blue Box]	GABB	Gabbro
	[Purple Box]	MD	Mafic Dike
	[Pink Box]	QMON	Quartz Monzonite
	[Green Box]	SCHS	Sericite Schist
	[Blue Box]	SHR	Shear
	[Red Box]	VQTZ	Quartz Vein

POSTED TEXT	L/R	TEXT	ITEMS
Alteration	L	-----	All

SECTION SPECS:

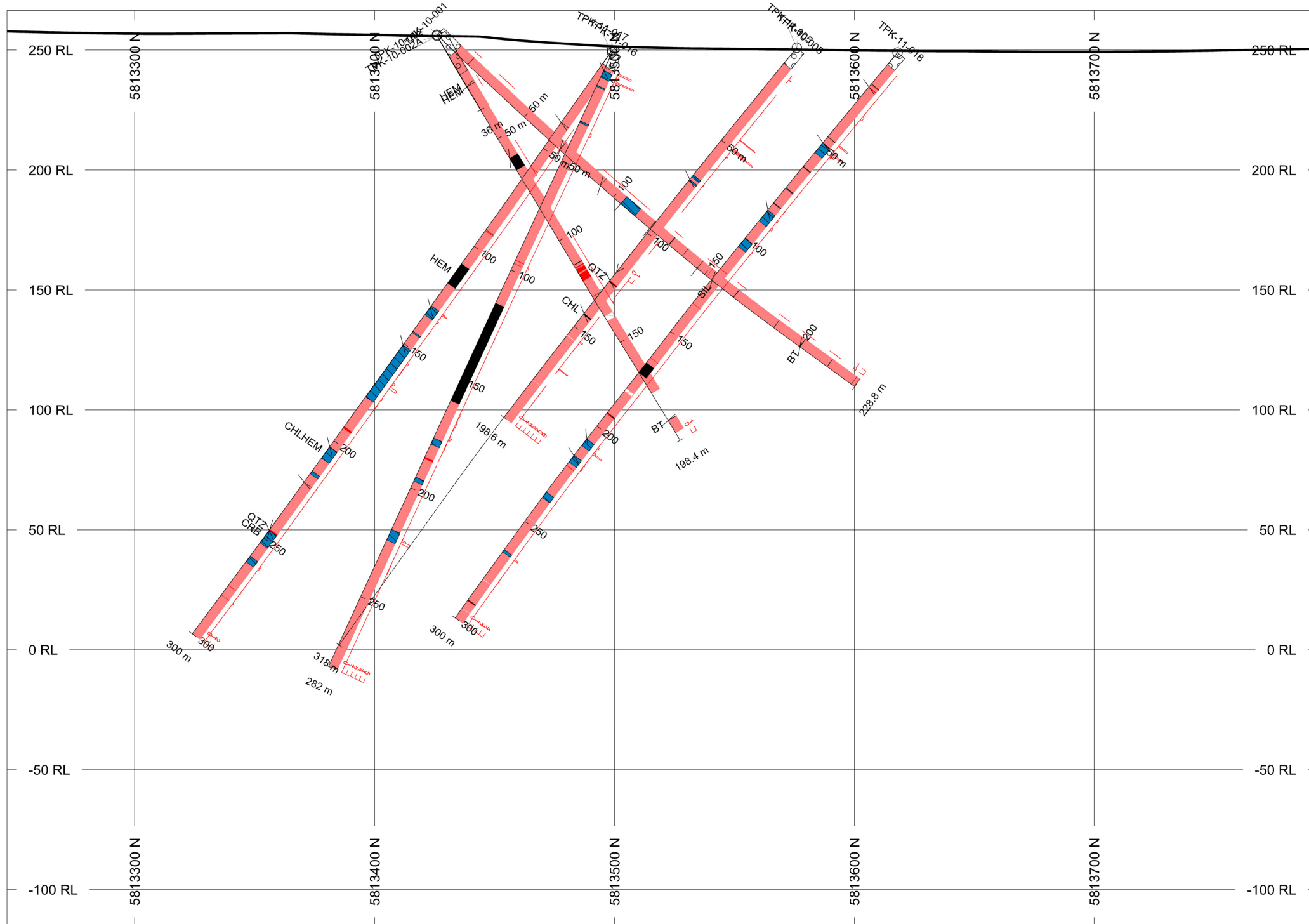
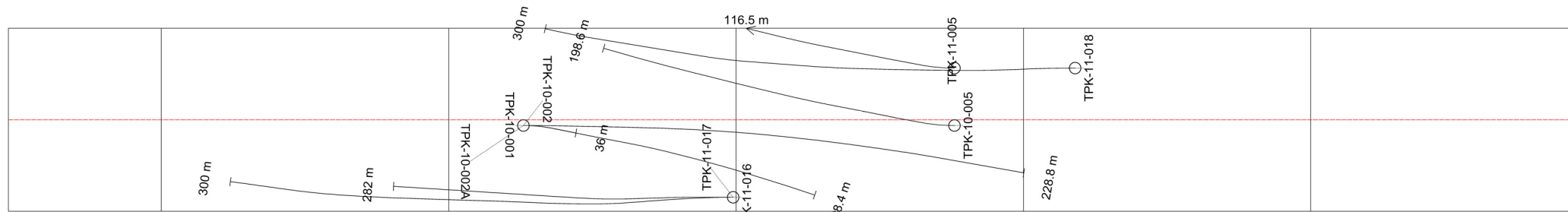
REF. PT. E, N 442173 m 5812220 m
 EXTENTS 546.4 m 382.1 m
 SECTION TOP, BOT 266.5 m -115.6 m
 TOLERANCE +/- 25 m

SCALE 1 : 2000



NAD83 / UTM zone 16N

Rainy River Resources
TPK Property
2010-2011 Diamond Drilling
Holes TPK-10-10 & 11



HOLES PLOTTED

TOTAL 8

TPK-10-001	TPK-10-002	TPK-10-002A
TPK-10-005	TPK-11-005	TPK-11-016
TPK-11-017	TPK-11-018	



TOPOGRAPHY

DTM_BigDamArea_09-028.GRD
 Structural Ticks No data plotted
 DIP / AZ

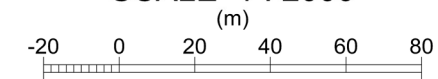
BAR GRAPHS	L/R	COL
Au	R	

ROCK CODES	PAT	LABEL	DESCRIPTION
ROCKTYPE		APL	Aplite Dyke
		CAS	Casing
		FLTG	Fault Gouge (Open)
		FRZ	Fracture Zone
		QFP	Quartz Feldspar Porphyry
		QMON	Quartz Monzonite
		SHR	Shear
		VQC	Qtz-Carb Vein
		VQTZ	Quartz Vein

POSTED TEXT	L/R	TEXT	ITEMS
Alteration	L	-----	All

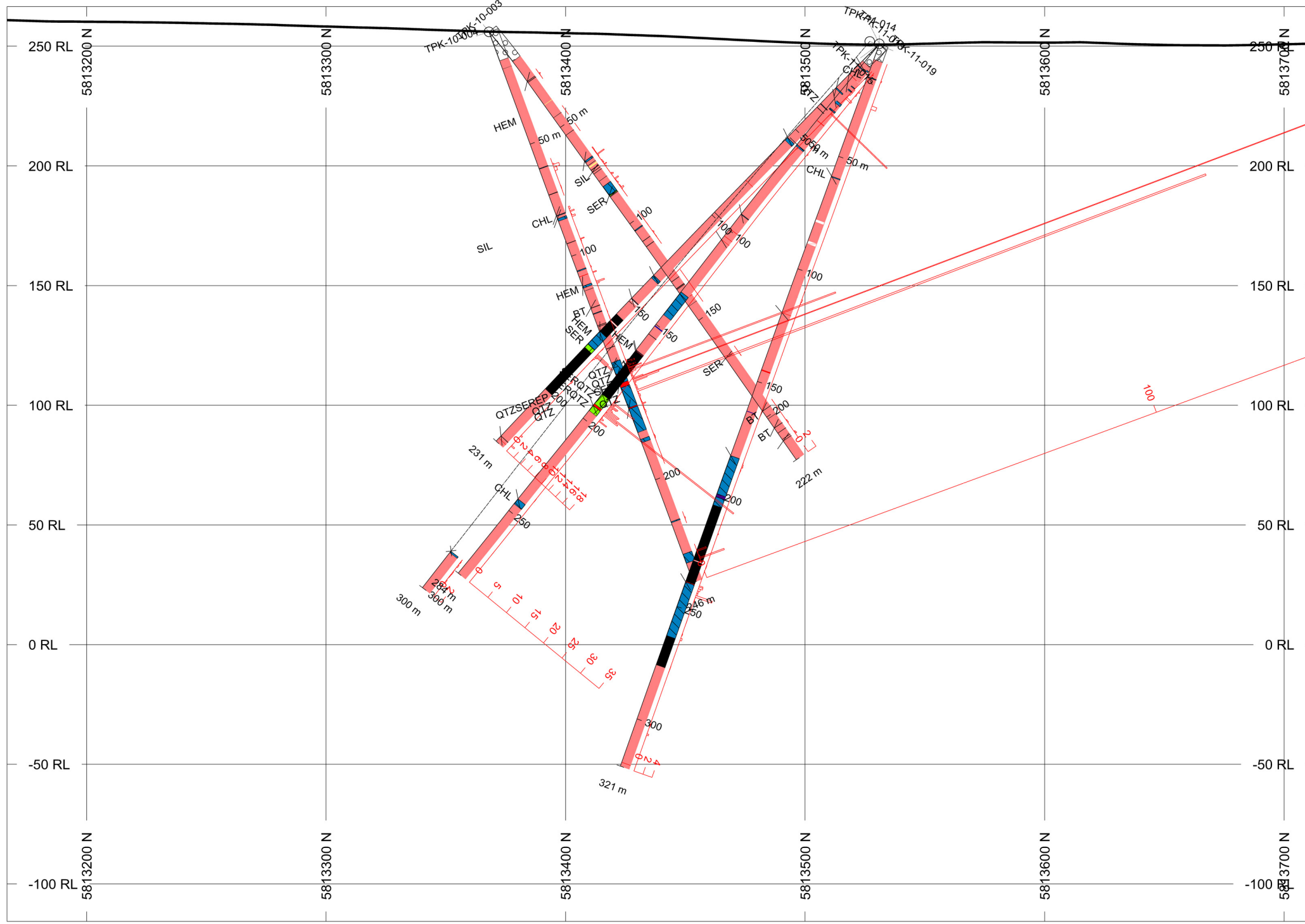
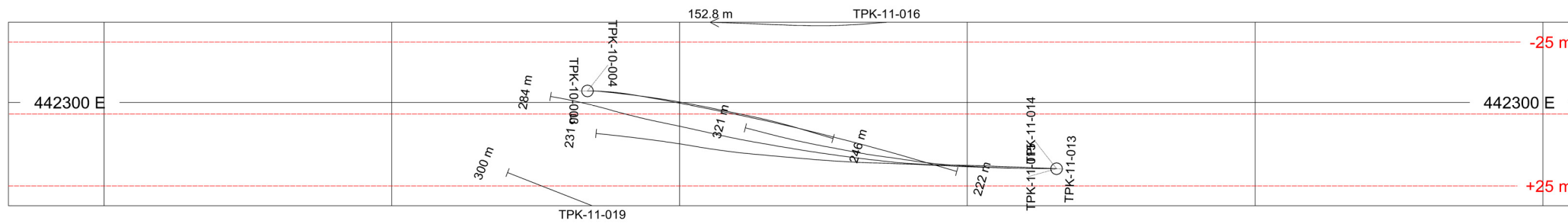
SECTION SPECS:
 REF. PT. E, N 442244 m 5813520 m
 EXTENTS 546.4 m 382.1 m
 SECTION TOP, BOT 266.5 m -115.6 m
 TOLERANCE +/- 32.5 m

SCALE 1 : 2000



NAD83 / UTM zone 16N

Rainy River Resources
TPK Property
2010-2011 Diamond Drilling
Section 22+00E



HOLES PLOTTED

TOTAL 6

- TPK-10-003
- TPK-10-004
- TPK-11-013
- TPK-11-014
- TPK-11-015
- TPK-11-019



TOPOGRAPHY

DTM: BigDamArea_09-028.GRD
 Structural Ticks: No data plotted
 DIP / AZ

BAR GRAPHS L/R COL
 Au R

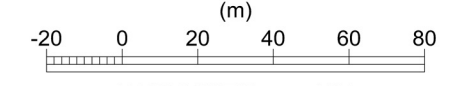
ROCK CODES	PAT	LABEL	DESCRIPTION
		APL	Aplite Dyke
		CAS	Casing
		FD	Felsic Dike
		FLTG	Fault Gouge (Open)
		FRZ	Fracture Zone
		MD	Mafic Dike
		QMON	Quartz Monzonite
		SCHS	Sericite Schist
		SHR	Shear
		TON	Tonalite
		VQC	Qtz-Carb Vein
		VQTZ	Quartz Vein

POSTED TEXT L/R TEXT ITEMS
 Alteration L ----- All

SECTION SPECS:

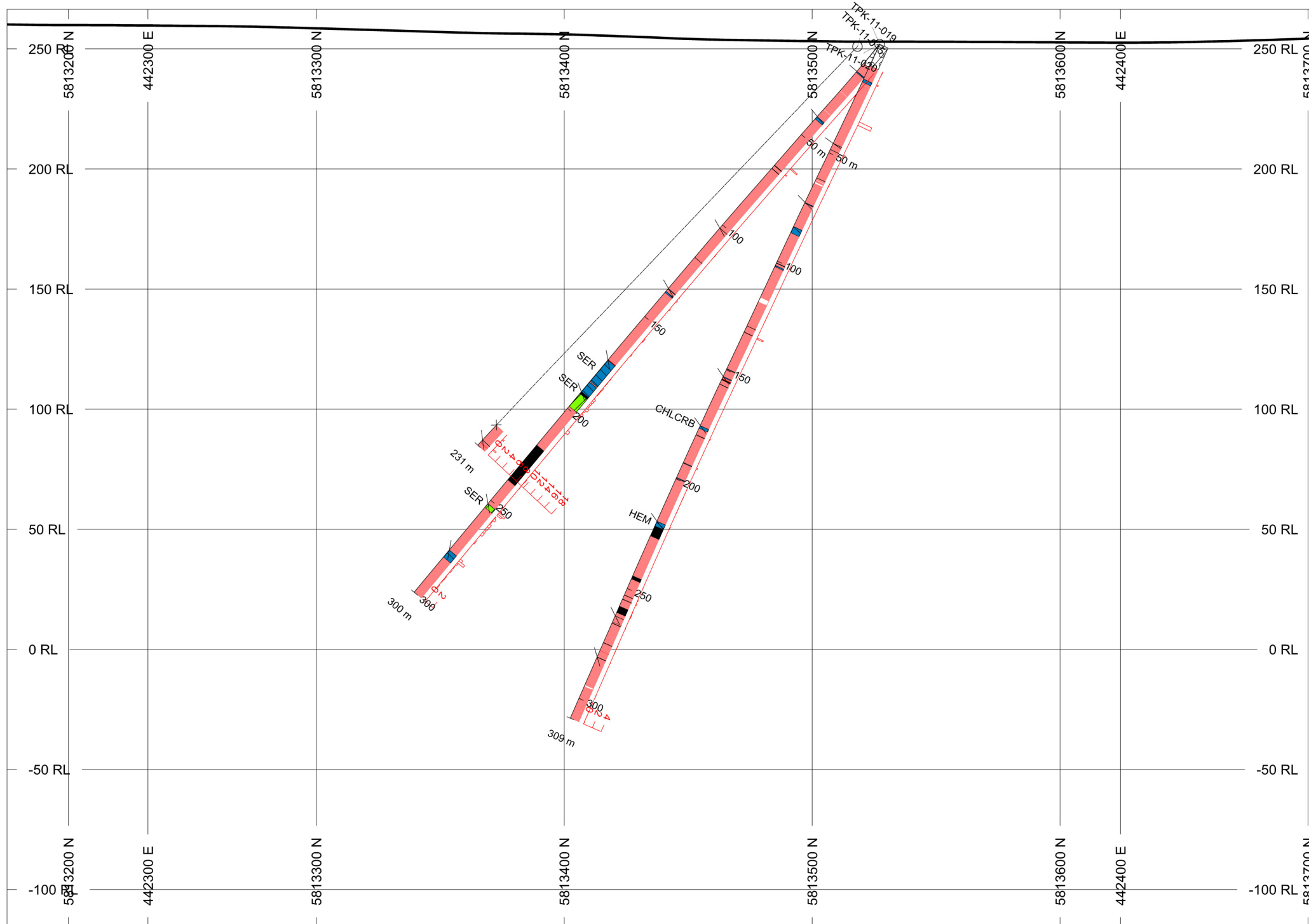
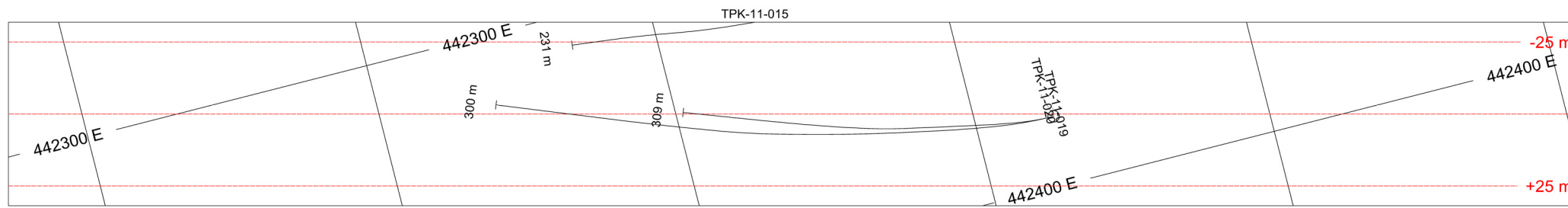
REF. PT. E, N 442304 m 5813440 m
 EXTENTS 546.4 m 382.1 m
 SECTION TOP, BOT 266.5 m -115.6 m
 TOLERANCE +/- 25 m

SCALE 1 : 2000



NAD83 / UTM zone 16N

Rainy River Resources
TPK Property
2010-2011 Diamond Drilling
Section 22+75E



HOLES PLOTTED

TOTAL 3

TPK-11-015 TPK-11-019 TPK-11-020



TOPOGRAPHY

DTM: BigDamArea_09-028.GRD
 Structural Ticks: No data plotted
 DIP / AZ

BAR GRAPHS L/R COL
 Au R

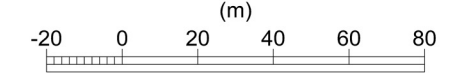
ROCK CODES	PAT	LABEL	DESCRIPTION
ROCKTYPE		APL	Aplite Dyke
		CAS	Casing
		FLTG	Fault Gouge (Open)
		FRZ	Fracture Zone
		QMON	Quartz Monzonite
		SCHS	Sericite Schist
		SHR	Shear
		VQC	Qtz-Carb Vein
		VQTZ	Quartz Vein

POSTED TEXT L/R TEXT ITEMS
 Alteration L ----- All

SECTION SPECS:

REF. PT. E, N 442353 m 5813440 m
 EXTENTS 546.4 m 382.1 m
 SECTION TOP, BOT 266.5 m -115.6 m
 TOLERANCE +/- 25 m

SCALE 1 : 2000



NAD83 / UTM zone 16N

Rainy River Resources
TPK Property
2010-2011 Diamond Drilling
Section 23+25E

DRILL HOLE REPORT

Hole Identifier **TPK-10-001**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

Drilling	Casing	Core	Location	Other
Azimuth:	Length:	Dimension:	Township: W	Logged by: Sarah Miller
Dip:	Pulled: no	Storage: OW	Claim No.:	Relog by:
Length:	Capped: no	Section:	NTS:	Contractor: OHS
Started:	Cemented:	Hole Type	Hole: SFC	Spotted by:
Completed:				Surveyed:
Logged:				Surveyed by:
Comment:			Coordinate - Gemcom	Geophysics:
Best place of hole with a strong gold and arsenic anomaly. Asp grains in table feed sample in till on top of edrocks an anomalous edrock gold assay "pp and gft F" this anomaly is located down ice of a strong charge. Anomalous shear zone is inferred to cross this area in an East-Southwest direction. Dip of structures is expected to be southward based on outcrops near Meter locs of most of hole			East:	Geophysic Contractor:
			North:	Left in hole:
			Elev.:	Making water:
			Zone:	Multi shot survey:
			NAD:	

Deviation Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
			C	<input checked="" type="checkbox"/>	

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-001

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	CAS	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	CAS	Casing									
0000	0000	QMON	<p>Quartz Monzonite</p> <p>Medium to light grey speckled lac with orange sections that are hematite massive areas of crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals. The monzonite is crosscut by minor iron aluminite dykes and cm scale shears. are 000 0000 cm lac xenolith occasional chlorite chlorite filled microfractures patchy trace of diss p</p>									
0000	0000	QFP	<p>Quartz Feldspar Porphyry</p> <p>dark grey in color aphanitic hard to dissolve rare feldspar phenocrysts hematite altered feldspar rare chlorite filled microfractures sharp and fractured at 000C</p>									
0000	0000	QMON	<p>Quartz Monzonite</p> <p>Medium to light grey speckled lac</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-001**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	QMON Quartz Monzonite moderate to medium grained quartz monzonite with greenish to black several mm anastomosing shear lamellae surrounding rounded feldspar grains sheared into small fragments									
0000	0000	QMON Quartz Monzonite Medium to light green speckled dike									
0000	0000	APL Aplite Dike medium reddish brown hard aphanitic sharp contacts with quartz									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-001

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	QMON Quartz Monzonite Medium to light green speckled lac									
0000	0000	APL Aplite Dike medium reddish brown massive to hard gneiss texture sharp contacts C C C									
0000	0000	QMON Quartz Monzonite Medium to light green speckled lac									
0000	0000	SHR Shear medium to fine grained quartz monzonite trace gneiss sheared C C C									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-001**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Ag</i> (ppm)	<i>Ag2</i> (%)	<i>Agol</i> (%)	<i>Au</i> (g/t)	<i>Au2</i> (g/t)
0000	0000	QMON <i>Quartz Monzonite</i> Medium to light grey speckled lac									
0000	0000	APL <i>Aplite Dike</i>									
0000	0000	QMON <i>Quartz Monzonite</i> Medium to light grey speckled lac									
0000	0000	APL <i>Aplite Dike</i> medium to hard with cm disse gradational contacts									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-001**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	QMON Quartz Monzonite Medium to light grey speckled lac									
0000	0000	SHR Shear Medium monitoned t mononite trace g diss p sheared C C C									
0000	0000	QMON Quartz Monzonite Medium to light grey speckled lac									
0000	0000	SHR Shear sheared t mononite lac moderate l m monitoned sheared g asp with trace g diss p sheared C C C									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-001**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Ag</i> (ppm)	<i>Ag2</i> (%)	<i>Agol</i> (%)	<i>Au</i> (g/t)	<i>Au2</i> (g/t)
--------------------	------------------	------------------	-----------------	-------------	-----------	---------------	--------------------	-------------------	--------------------	--------------------	---------------------

00000	00000	QMON Quartz Monzonite Medium to light grey speckled lac									
-------	-------	---	--	--	--	--	--	--	--	--	--

00000	00000	SHR Shear sheared f mononite lac moderate l m lonited sheared trace g asp with trace g diss p sheared C small mm t einlett lollowing lolation in middle o shear C C C									
-------	-------	--	--	--	--	--	--	--	--	--	--

00000	00000	QMON Quartz Monzonite Medium to light grey speckled lac									
-------	-------	---	--	--	--	--	--	--	--	--	--

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-001

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	<p>SHR Shear</p> <p>er small cm wide shear same as above shears C C C trace g p asp moderate sheared at C</p>									
00000	00000	<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lac</p>									
00000	00000	<p>SHR Shear</p> <p>ea sheared t mononite lac ea sheared with le isp iotite from m shear increases at m trace g asp with trace g diss p most associated with moderate sheared section t found in ea sheared sheared C small cm t einlett following foliation near C trace g asp and p within t einlett C C C C</p>									
00000	00000	<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lac</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-001

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
-------------	-----------	-----------	----------	------	----	--------	-------------	------------	-------------	-------------	--------------

00000	00000	SHR <i>Shear</i> Serpentine shear same as above shears. Contains trace of pyroxene. Moderately sheared at base.									
-------	-------	---	--	--	--	--	--	--	--	--	--

00000	00000	QMON <i>Quartz Monzonite</i> Medium to light grey speckled diorite.									
-------	-------	---	--	--	--	--	--	--	--	--	--

00000	00000	SHR <i>Shear</i> Serpentine shear. Contains moderate amount of iron. Moderately sheared. Contains trace of pyroxene with trace of dissolved iron. Contains pyroxene.									
-------	-------	--	--	--	--	--	--	--	--	--	--

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-001**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	QMON Quartz Monzonite Medium to light grey speckled lac									
00000	00000	VQTZ Quartz Vein White glass to moderate calc alt hematite staining moderate iron trace g diss p fractured C C C									
00000	00000	QMON Quartz Monzonite Medium to light grey speckled lac									
00000	00000	SHR Shear sheared to monzonite lac moderate iron ironite sheared C trace g diss p flooding inlet at C approx cm wide with hematite alt C C C									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-001**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	QMON Quartz Monzonite Medium to light grey speckled lac									
00000	00000	APL Aplite Dike pinkish brown massive hard gssgar texture sharp contact C C C C gradational trace g diss p									
00000	00000	QMON Quartz Monzonite Medium to light grey speckled lac									
00000	00000	SHR Shear t mononite moderate sheared C moderate lac otite isps intensit o shearing decreases									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-001**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>SHR Shear</p> <p>Medium to light grey sheared moderate to fine grained monzonite with trace of apatite and small irregular stringers of magnetite at both contacts. Stringers near top crosscutting foliation. Stringers at top of foliation area. Alite alt near top.</p>									
		<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled diorite.</p>									
		<p>SHR Shear</p> <p>Medium to light grey sheared moderate to fine grained monzonite with trace of apatite and small irregular stringers of magnetite at both contacts. Stringers near top crosscutting foliation.</p>									
		<p>QMON Quartz Monzonite</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-001

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		Medium to light grey speckled lac									
		SHR Shear t mononite ea to moderate sheared C moderate lac iotite isps crosscut t car stringers g diss p ith trace g asp contacts C									
		QMON Quartz Monzonite Medium to light grey speckled lac									
		SHR Shear t mononite ea sheared C ee lac iotite isps trace g diss p contacts C									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-001**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Ag</i> (ppm)	<i>Ag2</i> (%)	<i>Agol</i> (%)	<i>Au</i> (g/t)	<i>Au2</i> (g/t)
		<p>QMON Quartz Monzonite Medium to light grey speckled lac</p>									



DRILL HOLE REPORT

Hole Identifier **TPK-10-002**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

Drilling Azimuth: <input type="text"/> Dip: <input type="text"/> Length: <input type="text"/> Started: <input type="text"/> Oct <input type="text"/> Completed: <input type="text"/> Oct <input type="text"/> Logged: <input type="text"/> Oct <input type="text"/> Comment: Best practice open hole with a strong gold and arsenic anomaly. In till on top of bedrock plus an anomalous bedrock gold assay. "ppm and g/t F". This anomaly is located down ice of a strong chargeability anomaly shear zone is inferred to cross this area in an east-southwest direction. Dip of structures is expected to be southward based on outcrops near. On same set up at drillers lost return and had to restart hole at 1m. Hole continues to	Casing Length: <input type="text"/> Pulled: Capped: Cemented:	Core Dimension: <input type="text"/> Storage: <input type="text"/> OW <input type="text"/> S Section: Hole Type <input type="text"/>	Location Township: Claim No.: NTS: <input type="text"/> Hole: S <input type="text"/> F <input type="text"/> C <input type="text"/>	Other Logged by: Sarah Miller Relog by: Contractor: <input type="text"/> O <input type="text"/> H <input type="text"/> S Spotted by: Surveyed: Surveyed by: Geophysics: Geophysic Contractor: Left in hole: Making water: Multi shot survey:
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Coordinate - Gemcom
East:
North:
Elev.:

Coordinate - UTM
East:
North:
Elev.:
Zone: **NAD:**

Deviation Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
<input type="text"/>	<input type="text"/>	<input type="text"/>	C	<input checked="" type="checkbox"/>	

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-002

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	<p>CAS Casing Overrun no recover</p>									
0000	0000	<p>QMON Quartz Monzonite Hematite alt quartz monzonite over local core pin to brick red with specular oolite and white patch moderate to strong hematite alt intense hematite alt along healed fractures over similar to top of hole. Contains same set of more hematite massive rare white rare crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals. Drillers lost return and had to restart hole at 00m</p>									

DRILL HOLE REPORT

Hole Identifier **TPK-10-02A**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

Drilling	Casing	Core	Location	Other
Azimuth:	Length:	Dimension:	Township: W	Logged by: Sarah Miller
Dip:	Pulled:	Storage: OW	Claim No.:	Relog by:
Length:	Capped:	Section:	NTS:	Contractor:
Started:	Cemented:	Hole Type	Hole: SFC	Spotted by:
Completed:				Surveyed:
Logged:				Surveyed by:
Comment: "	<p>Best price of C hole with a strong gold and arsenic anomaly in till on top of bedrock is an anomalous bedrock gold assay. This anomaly is located down ice of a strong charge anomaly shear zone is inferred to cross this area in an east-south-east direction. Dip of structures is expected to be southward based on outcrops near same set up at</p>		<p>Coordinate - Gemcom</p> <p>East: </p> <p>North: </p> <p>Elev.: </p>	<p>Coordinate - UTM</p> <p>East: </p> <p>North: </p> <p>Elev.: </p> <p>Zone: NAD: </p>
				Geophysics:
				Geophysic Contractor:
				Left in hole:
				Making water:
				Multi shot survey:

Deviation Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
			C	<input checked="" type="checkbox"/>	

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-02A

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	<p>CAS Casing</p> <p>Drillers lost return at 0.00 m on hole. Core was restarted at 0.00 m.</p>									
0.00	0.00	<p>QMON Quartz Monzonite</p> <p>Microcrystalline red spotted calcite and white moderate to strong hematite alteration less than 0.1 mm. Most biotite and feldspar are microcrystalline. Occasional calcite green xenoliths up to 1 cm wide and irregularly shaped. Some open and healed microfractures with epidote, chlorite, hematite alteration. Trace gold dissolution products located throughout hole suggest drilling along fault zone.</p>									
0.00	0.00	<p>SHR Shear</p> <p>Sheared biotite monzonite red and calcite moderate hematite alteration. Moderate mm scale anastomosing biotite shear lamellae sheared calcite trace gold dissolution products. Some small stringer hematite located in core. Calcite alteration in core.</p>									
0.00	0.00	<p>QMON Quartz Monzonite</p> <p>Microcrystalline red spotted calcite and white moderate to strong hematite alteration less than 0.1 mm. Most</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-02A**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>iotite and feldspar \pm ari \pm xtalised feldspars from holomorphic e-hedral cr-staline to amorpho-s cr-stals as seen in C \pm occasional lacid green xenoliths up to cm wide and irreg shapped e open and healed micro ract-res with epidote chlor hematite alt patch trace g diss p er loc core thro-gho-t hole suggest drilling along fault one</p>									
		<p>APL <i>Aplite Dike</i></p> <p>ric red aphanitic most ract red with contacts intact strong hematite alt sharp contacts at C</p>									
		<p>QMON <i>Quartz Monzonite</i></p> <p>ric red spotted lac and white moderate to strong hematite alt massive less than t most iotite and feldspar \pm ari \pm xtalised feldspars from holomorphic e-hedral cr-staline to amorpho-s cr-stals as seen in C \pm occasional lacid green xenoliths up to cm wide and irreg shapped e open and healed micro ract-res with epidote chlor hematite alt patch trace g diss p er loc core thro-gho-t hole suggest drilling along fault one</p>									
		<p>FLTG <i>Fault Gouge (Open)</i></p> <p>Fault one shearing ract ring parallel to core axis recciated t within fault er loc d green gre</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-02A

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		most of the fault gouge that could have been mafic volcanic before deformation patch hematite alt trace g diss p C C C C									
		QMON Quartz Monzonite same as above strong hematite quartz monzonite fine red spotted lac and white moderate to strong hematite alt massive less than 100 ft most quartzite and feldspar areas crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals occasional lacid green xenoliths up to 1cm wide and irreg shaped open and healed micro fractures with epidote chlor hematite alt patch trace g diss p er loc core									
		FLTG Fault Gouge (Open) green grey mud fault gouge fractured more solid chn's could be mafic volcanics									
		QMON Quartz Monzonite er fractured quartz monzonite strong hematite alt trace g diss p C sharp C									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-02A

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	<p>VQTZ Quartz Vein</p> <p>thin white stringers approx 1cm wide with high fractured mafic to mafic to gneissic calc and hematite with hairline sericite seams no visible sulphides host rock is hard dark green and contains carbon filled microfractures or fractured C</p>									
00000	00000	<p>QMON Quartz Monzonite</p> <p>hematized thin monzonite same as above contact following core axis</p>									
00000	00000	<p>VQTZ Quartz Vein</p> <p>thin white thin sericite and chlor within fractures hematite local sections most thin with a few sections of mafic to mafic to mafic calc and ankerite with trace g diss p spotted C or fractured</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-02A

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	<p>QMON Quartz Monzonite</p> <p>same as above hematited Qtz monzonite sharp Cc no visible sulphides</p>									
00000	00000	<p>VQTZ Quartz Vein</p> <p>White Qtz not as fractured as above Qtz in moderate hematite alt moderate sericite seams fracture healed moderate calc alt ea an erite alt er ea epidote alt along fractures small cm section at cm o malic colt go ge r ea le from 0000 to 0000 cm trace g diss p C fractured</p>									
00000	00000	<p>QMON Quartz Monzonite</p> <p>same as above strongly hematited Qtz monzonite ric red spotted lac and white moderate to strong hematite alt massive less than cm Qtz mostly otite and eldspar aaria xtalised eldspars from holomorphic euhedral crystalline to amorphous crystals occasional lac d green xenoliths up to cm Qide and irreg shapped e open and healed micro fractures with epidote chlor hematite alt patch trace g diss p er loc core cross cut hematited apalite d e</p>									
00000	00000	<p>VQC Qtz-Carb Vein</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-02A

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>cm oxide at car veinlet rinning C sea chlor alt ithin ractre that divides the veinlet in half not mineralied</p>									
		<p>QMON Quartz Monzonite same as above strong hematied mononite ric red spotted lac and hite moderate to strong hematite alt massive less than 100 ft most diotite and feldspar ariat xtalised feldspars from holomorphic e hedral cr staline to amorphous cr stals occasional lac d green xenoliths up to 1cm ide and irreg shapped e open and healed micro ractres ith epidote chlor hematite alt patch trace g diss p er loc core cross cut hematied apalite d e</p>									
		<p>APL Aplite Dike pin aphanic hematied apalite d e contacts ract red could possi e a section o f mononite that has een intense hematied loos recciated near C se eral crosscutting chlorite filled micro ractres no isa le sphides</p>									
		<p>QMON Quartz Monzonite same as above strong hematied mononite ric red spotted lac and hite moderate to strong</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-02A

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		hematite alt massive less than 100 μm most plagioclite and feldspar areas crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals occasional dark green xenoliths up to 1cm wide and irreg shapped open and healed micro fractures with epidote chlor hematite alt patch trace g diss p core cross cut hematite apalite d									
		QMON Quartz Monzonite spotted lac and white er ea hematite alt along fractures massive less than 100 μm most plagioclite and feldspar areas crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals occasional dark green xenoliths up to 1cm wide and irreg shapped open and healed micro fractures with epidote chlor hematite alt patch trace g diss p cross cut one small intermed d core not loc									
		APL Aplite Dike intermed d gre g massive sharp contacts at 100C									
		spotted lac and white er ea hematite alt along fractures massive less than 100 μm most plagioclite									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-02A**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		and feldspar ₂ aria ₁ crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals occasional lacid green xenoliths up to 1cm wide and irreg shaped ₁ open and healed micro fractures with epidote chlor hematite alt patch trace g diss p crosscut one small intermed d ₁ core not loc ₁									
		SHR Shear sheared t ₁ mon ₁ onite ₁ lac ₁ otite shear lamella C ₁ small car ₁ stringer ₁ trace g diss p ₁ contacts C ₁									
		QMON Quartz Monzonite spotted lac ₁ and white ₁ er ₁ ea ₁ hematite alt along fractures massive less than 1m t ₁ most ₁ otite and feldspar ₂ aria ₁ crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals occasional lacid green xenoliths up to 1cm wide and irreg shaped ₁ open and healed micro fractures with epidote chlor hematite alt patch trace g diss p crosscut one small intermed d ₁ core not loc ₁ Missing core ox ₁									

DRILL HOLE REPORT

Hole Identifier **TPK-10-003**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

Drilling	Casing	Core	Location	Other
Azimuth: <input type="text"/>	Length: <input type="text"/>	Dimension:	Township: W <input type="text"/> O <input type="text"/> M	Logged by: Sarah Miller
Dip: <input type="text"/>	Pulled:	Storage: <input type="text"/> OW <input type="text"/> S	Claim No.:	Relog by:
Length: <input type="text"/>	Capped:	Section:	NTS: <input type="text"/>	Contractor:
Started: <input type="text"/> Oct <input type="text"/>	Cemented:	Hole Type	Hole:	Spotted by:
Completed: <input type="text"/> o <input type="text"/>				Surveyed:
Logged: <input type="text"/> Oct <input type="text"/>				Surveyed by:
Comment:			Coordinate - Gemcom	Geophysics:
"Test price core hole with a lead gold and arsenic anomaly as per grains in log table feed sample in till on top of bedrock plus an anomalous bedrock gold assay sample plus and gravity F1000 shear zone is inferred to cross this area in an east South direction dip structures based from near outcrops is inferred to be southward "			East: <input type="text"/>	Geophysic Contractor:
			North: <input type="text"/>	Left in hole:
			Elev.: <input type="text"/>	Making water:
			Zone: <input type="text"/> NAD: <input type="text"/>	Multi shot survey:

Deviation Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
<input type="text"/>	<input type="text"/>	<input type="text"/>	C	<input checked="" type="checkbox"/>	

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-003

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	CAS Casing Oreorden mononite bidders									
0000	0000	QMON Quartz Monzonite Medium to light grey speckled lacolith pin sections that are hemmassive arixtalised feldspars from holomorphic euhedral crystalline to amorphous crystals the mononite is crosscut minor iron pin alite dikes and cm scale shears									
0000	0000	SHR Shear moderately sheared mononite lac disp shear lamella at C g diss asp with trace g diss per ea hematite alt C C C C									
0000	0000	QMON Quartz Monzonite Medium to light grey speckled lacolith pin sections that are hemmassive arixtalised feldspars from holomorphic euhedral crystalline to amorphous crystals the mononite is crosscut minor iron pin alite dikes and cm scale shears									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-003**

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
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0000	0000	<p>SHR Shear</p> <p>moderately sheared fine monzonite lacustrine shear lamellae at 000C trace Mg diss asphalt with 00000 g diss 000C 000C000C 000C</p>									
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0000	0000	<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lacustrine pin sections that are fine hemmassive ariatized feldspars from holomorphic euhedral crystalline to amorphous crystals the monzonite is crosscut by minor iron pinallite dikes and cm scale shears</p>									
------	------	---	--	--	--	--	--	--	--	--	--

0000	0000	<p>FD Felsic Dike</p> <p>intermediate sharp 000C contacts massive ggre gree chlor alt</p>									
------	------	--	--	--	--	--	--	--	--	--	--

LITHOLOGY REPORT - Detailed -

Hole Number **TPK-10-003**

Project

Project Number

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lacolith pin sections that are homogeneous massive crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals the monzonite is crosscut by minor iron pinallite dikes and cm scale shears</p>									
0000	0000	<p>SHR Shear</p> <p>east sheared quartz monzonite mm scale lacolith shear lamella trace g diss p sheared C contacts irregular line shearing phases with one going C and one at C hematite alt</p>									
0000	0000	<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lacolith pin sections that are homogeneous massive crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals the monzonite is crosscut by minor iron pinallite dikes and cm scale shears</p>									
0000	0000	<p>SHR Shear</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-003**

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>Sheared monzonite scale lac shear lamella at C not mineralized contacts fractured and C</p>									
		<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lac with pin sections that are hemmassive arialxtalised feldspars from holomorphic euhedral crystalline to amorphous crystals the monzonite is crosscut minor iron pinallite dikes and cm scale shears</p>									
		<p>SHR Shear</p> <p>Sheared monzonite moderate sheared C g diss p hematized cm wide to stringers following foliation no visible asperities lac shear lamella local fractured core at contacts and in middle zone C C C approx C</p>									
		<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lac with pin sections that are hemmassive arialxtalised feldspars from holomorphic euhedral crystalline to amorphous crystals the monzonite is crosscut minor iron pinallite dikes and cm scale shears</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-003**

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
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0000	0000	SHR <i>Shear</i> tends of sheared mononite approx cm wide each fac shear lamella at C g diss p contact C									
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0000	0000	QMON <i>Quartz Monzonite</i> Medium to light grey speckled lac with pin sections that are hem massive axtalised feldspars from holomorphic euhedral crystalline to amorphous crystals the mononite is crosscut minor iron pin alite dikes and cm scale shears									
------	------	---	--	--	--	--	--	--	--	--	--

0000	0000	FD <i>Felsic Dike</i> intermediate sharp C contacts massive g gre ea chlor alt trace g diss p car stringers small cm wide mononite in middle of dike									
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LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-003

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
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10.00	10.00	QMON Quartz Monzonite Medium to light grey speckled lacolith pin sections that are homogeneous crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals. The monzonite is crosscut by minor iron pinacalite dikes and cm scale shears.									
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10.00	10.00	SHR Shear Iron sheared and silicified quartz monzonite with hematite alteration. Sheared contact zone with gradational small stringer at contact. Iron stringer at contact.									
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10.00	10.00	QMON Quartz Monzonite Medium to light grey speckled lacolith pin sections that are homogeneous crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals. The monzonite is crosscut by minor iron pinacalite dikes and cm scale shears.									
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LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-003

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	<p>SHR Shear</p> <p>Weakly sheared quartz monzonite silicified hematite alteration zone with disseminated trace asphaltene not well defined gradational contact with ground core</p>									
0000	0000	<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lacustrine with pin sections that are hematite massive areas crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals the monzonite is crosscut by minor iron pinaculite dikes and cm scale shears</p>									
0000	0000	<p>SHR Shear</p> <p>Weakly sheared quartz monzonite silicified hematite alteration zone with disseminated contacts</p>									
0000	0000	<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lacustrine with pin sections that are hematite massive areas crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals the monzonite is crosscut by minor iron pinaculite dikes and cm scale shears</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-003**

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>SHR Shear</p> <p>same as above small shears contacts and shearing is hematite alt g diss p</p>									
		<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled with pin sections that are hematite massive crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals the monzonite is crosscut by minor iron pin chertite dikes and cm scale shears</p>									
		<p>SHR Shear</p> <p>sheared quartz monzonite moderate to strong hematite alt local sections small cm wide apatite dikes crosscutting at approx chlor and carb along fracture planes sheared occasional hematite shear lamellae trace g diss p gradational defined stringer and appearance of sericite stringer C s phide content and shear intensity and alteration increases down hole</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-003

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>SCHS Sericite Schist</p> <p>Sericite schist strongly sheared in thin sections. Light green to yellowish brown color. mm scale anastomosing shear lamellae silicified strong sericite alteration. No visible asph. hematite alt associated with mm scale stringers. Sharp.</p>									
		<p>QMON Quartz Monzonite</p> <p>Medium to light green speckled lac with pin sections that are hematite massive. Oxidized feldspars from holomorphic euhedral crystalline to amorphous crystals. The monzonite is crosscut by minor iron pin alteration and cm scale shears.</p>									
		<p>SHR Shear</p> <p>Weakly sheared monzonite. Potassium feldspar shear lamellae sheared. No visible asph. Irregular shear lamellae running parallel to core axis. Contacts gradational.</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-003

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lacolith pin sections that are homogeneous ariatitised feldspars from holomorphic euhedral crystalline to amorphous crystals the monzonite is crosscut minor iron pinallite dikes and cm scale shears</p>									
0000	0000	<p>SHR Shear</p> <p>Sheared feldspar monzonite leached sheared biotite isps associated with fracture calcite isps range from calcite trace to diss p</p>									
0000	0000	<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lacolith pin sections that are homogeneous ariatitised feldspars from holomorphic euhedral crystalline to amorphous crystals the monzonite is crosscut minor iron pinallite dikes and cm scale shears</p>									
0000	0000	<p>SHR Shear</p> <p>cm wide shear leached sericite alt leached mod epidote alt sheared calcite trace to diss p leached chlor alt</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-003

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
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00000	00000	QMON Quartz Monzonite Medium to light grey speckled lac with pin sections that are hem massive arial crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals the monzonite is crosscut minor iron pin allitite dikes and cm scale shears									
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00000	00000	SHR Shear cm wide shear sheared C lac ract red g diss p lac otite isps chlor alt along ract re planes									
-------	-------	---	--	--	--	--	--	--	--	--	--

00000	00000	QMON Quartz Monzonite Medium to light grey speckled lac with pin sections that are hem massive arial crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals the monzonite is crosscut minor iron pin allitite dikes and cm scale shears									
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LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-003

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	<p>SHR Shear</p> <p>Sheared f mononite moderate otite isps sheared C trace g diss p C gradational</p>									
00000	00000	<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lac with pin sections that are hem massive arixtalised feldspars from holomorphic euhedral crystalline to amorphous crystals the mononite is crosscut minor iron pin alite dikes and cm scale shears</p>									
00000	00000	<p>SHR Shear</p> <p>mod sheared f mononite ea moderate otite isps shear lamella at C trace g diss p small f stringer cm ide at C in middle of shear ea chlor alt near C C gradational</p>									
00000	00000	<p>QMON Quartz Monzonite</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-003**

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		Medium to light grey speckled lacolith pin sections that are hemmassive arietalised feldspars from holomorphic euhedral crystalline to amorphous crystals the monzonite is crosscut minor iron pinallite dikes and cm scale shears									
		SHR Shear mod sheared monzonite sheared C trace g diss p mod iotite shear lamellae isps gradational contacts									
		QMON Quartz Monzonite Medium to light grey speckled lacolith pin sections that are hemmassive arietalised feldspars from holomorphic euhedral crystalline to amorphous crystals the monzonite is crosscut minor iron pinallite dikes and cm scale shears									
		VQTZ Quartz Vein small cm wide white titanochlorite along margins C trace g diss p along fracture plane C									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-003**

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lacolith pin sections that are homogeneous arietally crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals the monzonite is crosscut by minor iron pinallite dikes and cm scale shears</p>									
		<p>VQTZ Quartz Vein</p> <p>cm wide tan white not mineralised silica calcalt sharp contacts at C</p>									
		<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lacolith pin sections that are homogeneous arietally crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals the monzonite is crosscut by minor iron pinallite dikes and cm scale shears</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-003

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>SHR Shear</p> <p>small cm wide shear sheared C lac small ispotite trace g diss p</p>									
		<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lac with pin sections that are hemmassive arixtalised feldspars from holomorphic euhedral crystalline to amorphous crystals the monzonite is crosscut minor iron pin alite dikes and cm scale shears</p>									
		<p>APL Aplite Dike</p> <p>palite dikes contacts sharp C greaphanitic sgar texture altered trace g diss p</p>									
		<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lac with pin sections that are hemmassive arixtalised feldspars from holomorphic euhedral crystalline to amorphous crystals the monzonite is crosscut minor iron pin alite dikes and cm scale shears</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-003**

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
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00000	00000	<p>SHR Shear</p> <p>Sheared Qtz monzonite with shearing around margins with moderate shearing at 0000000000m with sericite alt associated with moderate shearing shearing at 00000C trace g diss p with an increase to 0000 g diss p within moderate sheared section small cm wide Qtz stringer in middle of shear Qtz stringer contacts 000C with C fractured and go</p>									
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00000	00000	<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lac with pin sections that are Qtz hem massive ariatxtalised feldspars from holomorphic euhedral crystalline to amorphous crystals the monzonite is crosscut minor iron pin alite dikes and cm scale shears</p>									
-------	-------	--	--	--	--	--	--	--	--	--	--

00000	00000	<p>APL Aplite Dike</p> <p>apalite d e pin aphanitic sgar texture contacts sharp 000C 000er trace g diss p</p>									
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LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-003**

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lacolith pin sections that are homogeneous arietally crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals. The monzonite is crosscut by minor iron pinaculite dikes and cm scale shears.</p>									
00000	00000	<p>SHR Shear</p> <p>Moderately sheared quartz monzonite moderate biotite shear lamellae sheared C-C contacts C-C trace to 1g diss p.</p>									
00000	00000	<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lacolith pin sections that are homogeneous arietally crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals. The monzonite is crosscut by minor iron pinaculite dikes and cm scale shears.</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-003

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	APL <i>Aplite Dike</i> small apalite d...pin...hematite alt...sharp contacts ...C...									
00000	00000	QMON <i>Quartz Monzonite</i> Medium to light grey speckled ...lac...with pin...sections that are ...hem...massive...aria...xtalised feldspars from holomorphic e...hedral crystalline to amorphous crystals...he mon...onite is crosscut ...minor ...ron...pin...al...tite d...es and cm scale shears...									
00000	00000	SHR <i>Shear</i> Shear ...C...contacts ...C...trace ...g diss p...									
00000	00000	QMON <i>Quartz Monzonite</i> Medium to light grey speckled ...lac...with pin...sections that are ...hem...massive...aria...xtalised feldspars from holomorphic e...hedral crystalline to amorphous crystals...he mon...onite is crosscut ...minor ...ron...pin...al...tite d...es and cm scale shears...									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-003**

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
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00000	00000	SHR Shear sheared Qtz monzonite moderate Kfsptiotite shear lamellae sheared C trace g diss p moderate hematite alt gradational contacts									
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00000	00000	QMON Quartz Monzonite Medium to light grey speckled lacolith pin sections that are Kfspt hem massive arietite crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals the monzonite is crosscut by minor iron pin albite dikes and cm scale shears									
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00000	00000	SHR Shear moderate shear sheared C trace g diss p moderate Kfsptiotite shear lamellae									
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LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-003

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lacolith pin sections that are homogeneous massive crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals. The monzonite is crosscut by minor iron pinallite dikes and cm scale shears.</p>									
00000	00000	<p>SHR Shear</p> <p>sheared quartz monzonite with cm wide zone in middle of shear. moderate feldspar to feldspar shear lamellae. g diss p in shear trace. g diss p in thin zone. is sea car alt and sea chlor alt along margins. fract res. sea sericite alt in thin shear. sheared at C contacts. shoring. sea shearing noted do hole for m after.</p>									
00000	00000	<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lacolith pin sections that are homogeneous massive crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals. The monzonite is crosscut by minor iron pinallite dikes and cm scale shears.</p>									
00000	00000	<p>SHR Shear</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-003

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Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		moderate shearing sheared C small cm wide stringer following foliation g diss and c p contacts gradational									

QMON

Quartz Monzonite

Medium to light grey speckled lac with pin sections that are hem massive axtalised
feldspars from holomorphic euhedral crystalline to amorphous crystals the monzonite is crosscut minor
iron pin alite dikes and cm scale shears

DRILL HOLE REPORT

Hole Identifier **TPK-10-004**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

Drilling	Casing	Core	Location	Other
Azimuth: <input type="text"/>	Length: <input type="text"/>	Dimension: <input type="text"/>	Township: W <input type="text"/> O <input type="text"/> M	Logged by: Sarah Miller
Dip: <input type="text"/>	Pulled: <input type="text"/>	Storage: <input type="text"/> OW <input type="text"/> S	Claim No.:	Relog by:
Length: <input type="text"/>	Capped: <input type="text"/>	Section:	NTS: <input type="text"/>	Contractor:
Started: <input type="text"/> o <input type="text"/>	Cemented: <input type="text"/>	Hole Type <input type="text"/>	Hole: S <input type="text"/> F <input type="text"/> C <input type="text"/>	Spotted by:
Completed: <input type="text"/> o <input type="text"/>				Surveyed:
Logged: <input type="text"/> o <input type="text"/>				Surveyed by:
Comment:	<p>"Test price core hole with a lead gold and arsenic anomaly as per grains in log table feed sample in till on top of bedrock plus an anomalous bedrock gold assay sample plus and geophysical shear zone is inferred to cross this area in an east Southwest direction dip structures based from near outcrops is inferred to be southward"</p>		Coordinate - Gemcom	Geophysics:
			East: <input type="text"/>	Geophysic Contractor:
			North: <input type="text"/>	Left in hole:
			Elev.: <input type="text"/>	Making water:
			Zone: <input type="text"/> NAD: <input type="text"/>	Multi shot survey: no

Deviation Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
<input type="text"/>	<input type="text"/>	<input type="text"/>	C	<input checked="" type="checkbox"/>	

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-004

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	CAS Casing Casing 00m00t0mon0onite 0o0ders									
0000	0000	QMON Quartz Monzonite 0t0mon0onite00hite and 0lac0spec0led0mg0patch0moderate to strong hematite alt0									
0000	0000	SHR Shear Wea0shearing0e0 0iotite shear lamellae0sheared 000C00gradational contacts0trace 0g diss p0									
0000	0000	QMON Quartz Monzonite 0t0mon0onite00hite and 0lac0spec0led0mg0patch0moderate to strong hematite alt0									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-004

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	<p>SHR Shear sheared Qtz monzonite moderate lac ispsiotite shear lamellae Fe and calcic p associated with open fractures contacts fractured</p>									
0000	0000	<p>QMON Quartz Monzonite Qtz monzonite white and lac speckled mg patch moderate to strong hematite alt</p>									
0000	0000	<p>SHR Shear ea shear Qtziotite isps sheared C fractured Fe car stringers moderate hematite alt trace g diss p C C C fractured</p>									
0000	0000	<p>QMON Quartz Monzonite Qtz monzonite white and lac speckled mg patch moderate to strong hematite alt</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-004

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	APL <i>Aplite Dike</i> apalite d...epin...aphanitic...s...gar...text...re...C...ract...red...moderate hematite alt									
0000	0000	...t...mon...onite...hite and ...lac...spec...led...mg...patch...moderate to strong hematite alt									
0000	0000	SHR <i>Shear</i> moderate...sheared ...t...mon...onite...e...otite ...isps...chlor...filled micro...ract...res...g...diss p...ea... silicified ...ith ...e...t...stringers in middle o...inter...al...contacts gradational...sheared ...C...									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-004

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	QMON Quartz Monzonite Qtz monzonite white and lac spec led mg patch moderate to strong hematite alt									
0000	0000	SHR Shear strong sheared Qtz monzonite moderate sericite alt with sericite alt increasing downhole sheared C fractured loading at m ea chlor alt within fractures g diss p C gradational C stringer and sharp C									
0000	0000	QMON Quartz Monzonite Qtz monzonite white and lac spec led mg patch moderate to strong hematite alt									
0000	0000	SHR Shear ea sheared Qtz monzonite moderate hematite alt ea sericite alt sm cm ide Qtz stringer in middle of shear sheared C g diss p associated with Qtz stringer chlor alt within fractures in Qtz gradational contacts small peice near C missing									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-004

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	QMON Quartz Monzonite t mononite hite and lac spec led mg patch moderate to strong hematite alt									
0000	0000	SHR Shear sheared t mononite ea mod shear e is p otite shear lamelae sheared C small car stringers e small t stringers near C trace g diss p sharp C C C gradational									
0000	0000	QMON Quartz Monzonite t mononite hite and lac spec led mg patch moderate to strong hematite alt									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-004

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	APL <i>Aplite Dike</i> small apalite d...e...in...aphanitic...s...gar...text...re...sharp contacts ...C...hematite alt									
00000	00000	QMON <i>Quartz Monzonite</i> t...mon...onite...hite and ...lac...spec...led...mg...patch...moderate to strong hematite alt									
00000	00000	VQTZ <i>Quartz Vein</i> t...n...hite ...t...with chlor ...lled ...ract...res...semi...massive p...at ...C...ea...hematite alt...ea...car...alt...e...le...s o...cp...sharp ...C... contacts...one small ...er...g spec...o...g noted in middle o...t...n									
00000	00000	QMON <i>Quartz Monzonite</i> t...mon...onite...hite and ...lac...spec...led...mg...patch...moderate to strong hematite alt									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-004**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	<p>SHR Shear</p> <p>moderate to sheared Qtz monzonite sheared C small and near C looks like it could be an intermed d or cluster of shear lamellae not hard to tell due to extreme low angle g diss p contacts sharp C moderate hematite alteration sea sericite alt crosscutting micro fractures filled with epidote or car</p>									
00000	00000	<p>QMON Quartz Monzonite</p> <p>Qtz monzonite white and lac speckled mg patch moderate to strong hematite alt</p>									
00000	00000	<p>SHR Shear</p> <p>moderate shear sheared C gradational contacts trace g diss p moderate isp otite shear lamellae</p>									
00000	00000	<p>QMON Quartz Monzonite</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-004

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		Qtz monzonite white and lac spec led mg patch moderate to strong hematite alt									
		APL <i>Aplite Dike</i> apalite de pin aphanitic sgar text re sharp C contacts hematite alt ract red chlor filled cross cutting micro ract res									
		QMON <i>Quartz Monzonite</i> Qtz monzonite white and lac spec led mg patch moderate to strong hematite alt									
		SHR <i>Shear</i> lea sheared Qtz monzonite sharp C contacts sheared C g diss p ea mod isp iotite shear lamelae									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-004

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	QMON Quartz Monzonite Qtz monzonite white and lac speckled mg patch moderate to strong hematite alt									
00000	00000	SHR Shear ea sheared C gradational contacts trace g diss p with p clusters along fractre planes ea hematite alt									
00000	00000	QMON Quartz Monzonite Qtz monzonite white and lac speckled mg patch moderate to strong hematite alt									
00000	00000	APL Aplite Dike apalite deaphanitic pins gar texture er fractred core hematite alt									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-004

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
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00000	00000	QMON Quartz Monzonite t mononite hite and lac spec led mg patch moderate to strong hematite alt									
-------	-------	---	--	--	--	--	--	--	--	--	--

00000	00000	SHR Shear moderate l sheared t mononite sheared C g diss p C sharp C gradational									
-------	-------	--	--	--	--	--	--	--	--	--	--

00000	00000	QMON Quartz Monzonite t mononite hite and lac spec led mg patch moderate to strong hematite alt									
-------	-------	---	--	--	--	--	--	--	--	--	--

00000	00000	SHR Shear									
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LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-004**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		mod sheared Qtz mononite sheared C lea hematite alt trace g diss p sharp contacts C									

QMON **Quartz Monzonite**
Qtz mononite white and lac spec led mg patch moderate to strong hematite alt

APL **Aplite Dike**
apalite d e pin ract red hematite alt aphanitic s gar texture

QMON **Quartz Monzonite**
Qtz mononite white and lac spec led mg patch moderate to strong hematite alt

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-004

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	SHR Shear moderate to sheared quartz monzonite sheared quartz monzonite with red trace of disseminated crosscutting carbonate stringers									
00000	00000	QMON Quartz Monzonite quartz monzonite with fine grained patches of moderate to strong hematite alteration									
00000	00000	SHR Shear sheared quartz monzonite sheared quartz monzonite shear lamellae are crosscut by stringers of ilmenite trace of disseminated and coarse grained sharp contacts quartz									
00000	00000	QMON Quartz Monzonite quartz monzonite with fine grained patches of moderate to strong hematite alteration									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-004

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>VQTZ Quartz Vein</p> <p>thin strong sericite alt smoky green calc chlor and hematite within fractures foliation C sericite alt gives a net texture appearance g diss p C fractured and gradational looking t content and sericite alt decreases</p>									
		<p>SHR Shear</p> <p>Sheared thin mononite moderate strong shearing C g diss p shear intensifies increases do hole hairline calc filled micro fractures sharp C</p>									
		<p>SHR Shear</p> <p>strongly sheared thin mononite moderate strong sericite alt calc alt sheared C cm side thin stringer in middle of shear with chlor within fractures g diss p with g asp C sharp C</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-004**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	<p>VQTZ Quartz Vein</p> <p>Some grey to tan sericite filled fractures at 000C possible hematite alt within fractures same orange/red mineral as seen above. It becomes less silicified and more calc alt do n hole. Several specs of noted along sericite fractures within silicified section near 0C at 0000000000m larger nuggets noted within it near sericite seams. Core becomes per fractured at 0000000000m g diss p trace asp</p>									
00000	00000	<p>SHR Shear</p> <p>sheared to mononite moderate strong shearing 000C with sections that appear to be sheared parallel to core axis. Local core with 000 0000000000ea sericite alt occasional calc chlor micro fractures 000 000 g diss p trace asp</p>									
00000	00000	<p>SHR Shear</p> <p>to flooded and strongly sheared to mononite. Fractured core hard to determine shear orientation. e sections look like shearing is low ang to parallel to core axis. It is white with re sericite chlor filled fractures. Orange/red mineral noted within white it as seen above. g diss p trace asp 000C defined decrease in it content</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-004**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Ag</i> (ppm)	<i>Ag2</i> (%)	<i>Agol</i> (%)	<i>Au</i> (g/t)	<i>Au2</i> (g/t)
00000	00000	<p>SHR <i>Shear</i></p> <p>sheared and sericite alt. Qtz mononite. ea mod sericite alt. occasional chlor filled fract. res. ea. Qtz flooding. g diss p. hard to tell shear orientation. occasional. iotite shear lamellae going in all directions</p>									
00000	00000	<p>VQTZ <i>Quartz Vein</i></p> <p>Qtz boded sericite alt. Qtz mononite. hite. Qtz with re. sericite. chlor filled. fract. res. g diss and le. p. contact de. ined. decrease in Qtz content and alteration</p>									
00000	00000	<p>SHR <i>Shear</i></p> <p>ea. sheared. Qtz mononite. ea. hemaite alt. ea. sericite alt. near. C. shearing decreases. do. n. hole. g diss p. occasional. iotite shear lamellae at. C. gradational. C.</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-004**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	QMON Quartz Monzonite t mononite white and lac speckled mg patch moderate to strong hematite alt									
00000	00000	SHR Shear mod strong sheared t mononite pin tract red sheared approx C strong hematite alt g diss p sharp contacts C tract red C C ea t flooding near C									
00000	00000	QMON Quartz Monzonite t mononite white and lac speckled mg patch moderate to strong hematite alt									
00000	00000	SHR Shear ea mod sheared t mononite ea t flooding occasional chlor filled micro tract res ee t stringers near m g diss p gradational C C sharp C ea hemaite alt									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-004**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	QMON Quartz Monzonite Qtz monzonite white and lac specified mg patch moderate to strong hematite alt									
00000	00000	SHR Shear Sheared Qtz monzonite ea sheared C g diss p iotite isps at C cluster o iotite isps near C contacts at C									
00000	00000	QMON Quartz Monzonite Qtz monzonite white and lac specified mg patch moderate to strong hematite alt									

DRILL HOLE REPORT

Hole Identifier **TPK-10-005**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

Drilling	Casing	Core	Location	Other
Azimuth: <input type="text"/>	Length: <input type="text"/>	Dimension: <input type="text"/>	Township: W <input type="text"/> O <input type="text"/> M	Logged by:
Dip: <input type="text"/>	Pulled:	Storage: <input type="text"/> OW <input type="text"/> S	Claim No.:	Relog by:
Length: <input type="text"/>	Capped:	Section:	NTS: <input type="text"/>	Contractor:
Started: <input type="text"/> o <input type="text"/>	Cemented:	Hole Type <input type="text"/>	Hole: S <input type="text"/> F <input type="text"/> C <input type="text"/>	Spotted by:
Completed: <input type="text"/> o <input type="text"/>				Surveyed:
Logged: <input type="text"/> o <input type="text"/>				Surveyed by:
Comment: "Drill hole to test <input type="checkbox"/> dipping structures found in C <input type="text"/> Hole spotted <input type="checkbox"/> m <input type="checkbox"/> o <input type="checkbox"/> C <input type="text"/> at <input type="text"/> <input type="text"/> <input type="text"/> dip "			Coordinate - Gemcom	Geophysics:
			East: <input type="checkbox"/>	Geophysic Contractor:
			North: <input type="checkbox"/>	Left in hole:
			Elev.: <input type="checkbox"/>	Making water:
			Zone: <input type="text"/>	Multi shot survey:
			NAD: <input type="text"/>	

Deviation Tests

Distance	Azimuth	Dip	Type	Good	Comments
<input type="text"/>	<input type="text"/>	<input type="text"/>	C	<input checked="" type="checkbox"/>	

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-005

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	CAS <i>Casing</i> Casing with mononite holders									
0.00	0.00	QMON <i>Quartz Monzonite</i> quartz mononite with white speckled massive									
0.00	0.00	QMON <i>Quartz Monzonite</i> quartz mononite crosscut by 1cm wide shear lamellae with abundant asph and quartz stringers									
0.00	0.00	SHR <i>Shear</i> mod. strong sheared quartz mononite with greenish small quartz feldspar clasts on setting shear lamellae rare quartz stringers following shearing locally fractured with glassy sharp contacts									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-005**

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	QMON Quartz Monzonite light monzonite lac and white speckled mg massive									
0000	0000	SHR Shear Moderate to strong shear sheared C and gre small feldspar clasts on setting shear lamellae rare calc stringers following shearing g diss patches look porphritic C gradational									
0000	0000	QMON Quartz Monzonite light monzonite lac and white speckled mg massive									
0000	0000	VQTZ Quartz Vein thin white intermixed with chlor alt light monzonite eamod hematite and chlor alt eamod alt									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-005**

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		trace g diss p...ea...sericite...ithin...ract...res...t most...chlor...ithin...ract...res...C sharp...C...ith...a...t go...ge									
		FLTG <i>Fault Gouge (Open)</i> Fa...t...reccia...green...rittle...s...ang...lar...recciated clasts o...t...mon...onite and...t...e... clasts are hematite alt...oliated...C...trace g diss p...									
		QMON <i>Quartz Monzonite</i> ...t...mon...onite...lac...and...hite spec...led...mg...massive...									
		FLTG <i>Fault Gouge (Open)</i> Shear...a...t...d...green...shin...ract...red...e... cm...ide...t...stringers...se...eral hairline car... stringers...strongl... sheared...C...C sharp and...ract...red...C...trace g diss p...									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-005**

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	QMON Quartz Monzonite qtz monzonite lac and white speckled mg massive									
00000	00000	APL Aplite Dike apalite deaphanitic strong hematite alt s gar text re trace g diss p crosscut car stringers micro fractures filled with chlor and mol sharp contacts C									
00000	00000	QMON Quartz Monzonite qtz monzonite lac and white speckled mg massive									
00000	00000	APL Aplite Dike apalite deaphanitic pin s gar text re hematite alt									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-005**

Project

Project Identifier

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Ag</i> (ppm)	<i>Ag2</i> (%)	<i>Agol</i> (%)	<i>Au</i> (g/t)	<i>Au2</i> (g/t)
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00000

00000

QMON

Quartz Monzonite

light monzonite lac and white speckled mg massive

DRILL HOLE REPORT

Hole Identifier TPK-10-006

Project

Project Identifier

Drilling	Casing	Core	Location	Other
Azimuth:	Length: <input type="checkbox"/>	Dimension:	Township:	Logged by:
Dip:	Pulled:	Storage:	Claim No.:	Relog by:
Length: <input type="checkbox"/>	Capped:	Section:	NTS:	Contractor:
Started:	Cemented:	Hole Type	Hole:	Spotted by:
Completed:				Surveyed:
Logged: <input type="checkbox"/> Oct <input type="checkbox"/>				Surveyed by:
Comment:				Geophysics:
		Coordinate - Gemcom	Coordinate - UTM	Geophysic Contractor:
		East: <input type="checkbox"/>	East: <input type="checkbox"/>	Left in hole:
		North: <input type="checkbox"/>	North: <input type="checkbox"/>	Making water:
		Elev.: <input type="checkbox"/>	Elev.: <input type="checkbox"/>	Multi shot survey:
			Zone: NAD:	

Deviation Tests

Distance	Azimuth	Dip	Type	Good	Comments
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	C	<input checked="" type="checkbox"/>	

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-006

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	CAS <i>Casing</i> Casing with mononite holders									
0.00	0.00	QMON <i>Quartz Monzonite</i> Medium to light grey speckled lac with orange sections that are homogeneous with crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals									
0.00	0.00	APL <i>Aplite Dike</i> apalite with euhedral aphanitic to granular texture hematite alteration									
0.00	0.00	QMON <i>Quartz Monzonite</i> Medium to light grey speckled lac with orange sections that are homogeneous with crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-006

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		SHR Shear Shear CaCO_3 glasp									
		QMON Quartz Monzonite Medium to light grey speckled CaCO_3 with orange sections that are CaCO_3 massive CaCO_3 crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals									
		QMON Quartz Monzonite coarser grained CaCO_3 monzonite clasts are not as well defined at a CaCO_3 increase in CaCO_3 content trace CaCO_3 diss CaCO_3 stringer at CaCO_3 gradational CaCO_3 defined CaCO_3 shear									
		SHR Shear									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-006**

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		moderate to strong shear laciotite ispshear lamellae mostly at C t irreg g diss p and cic p trace g asp									
		QMON Quartz Monzonite Medium to light grey speckled lac with orange sections that are hemmassive crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals									
		APL Aplite Dike apalite deep in sharp contacts C C C hematite alphanitic matrix with small lac and white iotite and feldspar phenocrysts not mineralised									
		QMON Quartz Monzonite Medium to light grey speckled lac with orange sections that are hemmassive crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-006**

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	APL <i>Aplite Dike</i> 1cm wide apalite dike running parallel to 000C									
00000	00000	QMON <i>Quartz Monzonite</i> Medium to light grey speckled dike with orange sections that are medium massive crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals									
00000	00000	APL <i>Aplite Dike</i> pink apalite dike 000C									
00000	00000	QMON <i>Quartz Monzonite</i> Medium to light grey speckled dike with orange sections that are medium massive crystallised									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-006

Project

Project Identifier

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
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feldspars from holomorphic euhedral crystalline to amorphous crystals

SHR **Shear**

Weak moderate shear gradational contacts with lacustrine isotite shear lamellae with trace hematite alt increases down hole

QMON **Quartz Monzonite**

Medium to light grey speckled with orange sections that are hematite crystallised feldspars from holomorphic euhedral crystalline to amorphous crystals

DRILL HOLE REPORT

Hole Identifier **TPK-10-007**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

Drilling	Casing	Core	Location	Other
Azimuth: <input type="text"/>	Length: <input type="text"/>	Dimension: <input type="text"/>	Township: W <input type="text"/> O <input type="text"/> M	Logged by: Sarah Miller
Dip: <input type="text"/>	Pulled: <input type="text"/>	Storage: <input type="text"/> OW <input type="text"/> S	Claim No.:	Relog by:
Length: <input type="text"/>	Capped: <input type="text"/>	Section:	NTS: <input type="text"/>	Contractor:
Started: <input type="text"/> o <input type="text"/>	Cemented: <input type="text"/>	Hole Type <input type="text"/>	Hole: S <input type="text"/> F <input type="text"/> C <input type="text"/>	Spotted by:
Completed: <input type="text"/> o <input type="text"/>				Surveyed:
Logged: <input type="text"/> o <input type="text"/>				Surveyed by:
Comment: Best practice open hole with a moderate gold and arsenic anomaly. Asbestos grains in tailings sample in till on top of bedrock shear zone is inferred to cross this area in an east-south direction. Dip of structures based from near outcrops is inferred to be southward.			Coordinate - Gemcom	Geophysics:
			East: <input type="text"/>	Geophysic Contractor:
			North: <input type="text"/>	Left in hole:
			Elev.: <input type="text"/>	Making water:
			Zone: <input type="text"/> NAD: <input type="text"/>	Multi shot survey:

Deviation Tests

Distance	Azimuth	Dip	Type	Good	Comments
<input type="text"/>	<input type="text"/>	<input type="text"/>	C	<input checked="" type="checkbox"/>	

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-007

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	CAS Casing casing until 00m coring started at 0000m									
0000	0000	QMON Quartz Monzonite monzonite mg lac and white speckled cross cut 00cm scale apalite dikes and shear zones. Wea patch hematite alt most at fracture margins									
0000	0000	APL Aplite Dike apalite dike sharp contacts 0000C00gre00aphanitic groundmass with small lac and white flecks possible diorite tonalite 00t lo0s 0er0 similar to the per00s drilled apalite dikes 0st 0altered0									
0000	0000	QMON Quartz Monzonite monzonite mg lac and white speckled cross cut 00cm scale apalite dikes and shear zones. Wea patch hematite alt most at fracture margins									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-007

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	<p>SHR Shear</p> <p>moderately sheared quartz monzonite sheared calcic abundant dispersed biotite shear lamellae calcic gradational sharp calcic gangue dissolution small quartz stringer in middle of shear with hematite alteration rare carbonate stringers at various orientations</p>									
0000	0000	<p>QMON Quartz Monzonite</p> <p>quartz monzonite magmatic and white speckled cross cut 1 cm scale apatite dikes and shear zones. Weak patch hematite alteration at fracture margins</p>									
0000	0000	<p>QMON Quartz Monzonite</p> <p>fine grained quartz monzonite greasy magmatic and white speckled occasional mafic xenoliths some xenoliths look like epidote gradational contacts calcic gradational hematite alteration trace gangue dissolution</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-007

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	QMON Quartz Monzonite Qtz monzonite mg lac and white speckled cross cut 00 cm scale apalite dyes and shear zones. Wea patch hematite alt most at fracture margins									
00000	00000	SHR Shear moderate shear abundant lac is shear lamellae sheared C sharp C gradational C hairline car stringers cross cutting shear g diss pte stringers near shear margins ea chlor alt near C									
00000	00000	QMON Quartz Monzonite Qtz monzonite mg lac and white speckled cross cut 00 cm scale apalite dyes and shear zones. Wea patch hematite alt most at fracture margins									
00000	00000	SHR Shear									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-007**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		Sheared Qtz monzonite with spilitic shear lamellae and sheared C gradational contacts with dissipative trace ligand									
		QMON Quartz Monzonite Qtz monzonite with lac and white speckled cross cut 1-2 cm scale apatite dikes and shear zones. Wea- patch hematite at most fracture margins									
		SHR Shear Shear zone with C and calcite stingers with trace ligand									
		Qtz monzonite with lac and white speckled cross cut 1-2 cm scale apatite dikes and shear zones. Wea- patch hematite at most fracture margins									

LITHOLOGY REPORT
- Detailed -

Hole Identifier TPK-10-007

Project TPK ROWLANDSON LAKE

Project Identifier 001

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Ag</i> (ppm)	<i>Ag2</i> (%)	<i>Agol</i> (%)	<i>Au</i> (g/t)	<i>Au2</i> (g/t)
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DRILL HOLE REPORT

Hole Identifier **TPK-10-008**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

Drilling	Casing	Core	Location	Other
Azimuth: <input type="text"/>	Length: <input type="text"/>	Dimension: <input type="text"/>	Township: W <input type="text"/> O <input type="text"/> M	Logged by: Sarah Miller
Dip: <input type="text"/>	Pulled: <input type="text"/>	Storage: <input type="text"/> OW <input type="text"/> S	Claim No.: <input type="text"/>	Relog by: <input type="text"/>
Length: <input type="text"/>	Capped: <input type="text"/>	Section: <input type="text"/>	NTS: <input type="text"/>	Contractor: <input type="text"/>
Started: <input type="text"/> o <input type="text"/>	Cemented: <input type="text"/>	Hole Type <input type="text"/>	Hole: S <input type="text"/> F <input type="text"/> C <input type="text"/>	Spotted by: <input type="text"/>
Completed: <input type="text"/> o <input type="text"/>				Surveyed: <input type="text"/>
Logged: <input type="text"/> o <input type="text"/>				Surveyed by: <input type="text"/>
Comment: Best practice open hole with a strong gold and lead arsenic anomaly. Lead arsenic anomaly is observed in till on top of bedrock shear zone is inferred to cross this area in an east-south direction. Dip of structures based from nearby outcrops is inferred to be southward.			Coordinate - Gemcom	Geophysics:
			East: <input type="text"/>	Geophysic Contractor:
			North: <input type="text"/>	Left in hole: <input type="text"/>
			Elev.: <input type="text"/>	Making water: <input type="text"/>
			Zone: <input type="text"/> NAD: <input type="text"/>	Multi shot survey: <input type="text"/>

Deviation Tests

Distance	Azimuth	Dip	Type	Good	Comments
<input type="text"/>	<input type="text"/>	<input type="text"/>	C	<input checked="" type="checkbox"/>	

LITHOLOGY REPORT - Detailed -

Hole Number TPK-10-008

Project TPK ROWLANDSON LAKE

Project Number 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	CAS Casing OOCasing pushed to 0m with reg coring starting at 0m									
0.00	0.00	QMON Quartz Monzonite Medium to light grey speckled lac massiferous crystalline feldspars from holomorphic euhedral crystalline to amorphous crystals									
0.00	0.00	SHR Shear moderately sheared quartz monzonite sheared Ccispotite shear lamellae aspg diss ppg asp forming stringers following shearing contacts sharp Cc casing size core									
0.00	0.00	QMON Quartz Monzonite Medium to light grey speckled lac massiferous crystalline feldspars from holomorphic euhedral crystalline to amorphous crystals									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-008**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	<p>SHR Shear</p> <p>moderate to sheared quartz monzonite sheared coarse clusters of isoprotite shear lamellae fractured core with fine disseminated asphaltenic hairline fracture stringers following foliation contacts sharp coarse</p>									
0000	0000	<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled fine massive granitic crystalline feldspars from holomorphic euhedral crystalline to amorphous crystals</p>									
0000	0000	<p>SHR Shear</p> <p>moderate shear sheared coarse clusters of isoprotite shear lamellae with fine disseminated asphaltenic flooded from massive fine cm wide fracture stringers following shearing fractured core gradational</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-008**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lac massiferous crystalline feldspars from holomorphic euhedral crystalline to amorphous crystals</p>									
0000	0000	<p>APL Aplite Dike</p> <p>aplite dike in aphanitic matrix with small zircon phenocrysts strong hematite alteration stringers near sharp contacts C</p>									
0000	0000	<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lac massiferous crystalline feldspars from holomorphic euhedral crystalline to amorphous crystals</p>									
0000	0000	<p>APL Aplite Dike</p> <p>aplite dike in aphanitic matrix with fine zircon phenocrysts sugary texture fractured core strong hematite alteration sharp contacts C middle of dike is a hairline carbon stringer at C</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-008

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled fine-grained massive to crystalline feldspars from holomorphic euhedral crystalline to amorphous crystals</p>									
00000	00000	<p>VQTZ Quartz Vein</p> <p>1 cm wide thin white to light grey calcite with hematite along margins trace g diss p in thin ft</p>									
00000	00000	<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled fine-grained massive to crystalline feldspars from holomorphic euhedral crystalline to amorphous crystals</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-008

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>SHR Shear</p> <p>moderately to moderately sheared monzonite sheared C gradational contacts g diss and le p clusters of ispidotite shear lamellae calc stringers</p>									
		<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lac massiferous crystalline feldspars from holomorphic euhedral crystalline to amorphous crystals</p>									
		<p>SHR Shear</p> <p>moderate shear ispidotite shear lamellae sharp C gradational flooding hematite alt within trace g diss p g diss asp with cm wide semi-massive asp and at m near C sheared C shearing increases to C near C</p>									
		<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lac massiferous crystalline feldspars from holomorphic euhedral</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-008

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		crystalline to amorphous crystals									
		SHR Shear moderately sheared quartz monzonite sheared calcic gneiss with epidote shear lamellae quartz dissolution and calcic pyrrhotite core sharp calcic calcic gradational hematite carbon stringers hematite									
		QMON Quartz Monzonite Medium to light grey speckled calcic massive quartz crystalline feldspars from holomorphic euhedral crystalline to amorphous crystals									
		SHR Shear strong shear sheared calcic several cm wide quartz stringers a cm wide quartz stringer at medium hematite carbon and chlorite associated with quartz dissolution and hematite contacts sharp calcic abundant epidote shear lamellae									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-008**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Ag</i> (ppm)	<i>Ag2</i> (%)	<i>Agol</i> (%)	<i>Au</i> (g/t)	<i>Au2</i> (g/t)
000000	000000	<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lacustrine massive to crystalline feldspars from holomorphic euhedral crystalline to amorphous crystals</p>									
000000	000000	<p>SHR Shear</p> <p>strong shear sheared calcic to calcareous calcic to calcareous sericite altered diaspore chlorite shear lamellae with disseminated rounded iron oxide stringers throughout shear zone at approximately 10m with calcic chlorite sericite and well mineralized calcic gradational sharp calcic abundant pyrite along fracture planes</p>									
000000	000000	<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lacustrine massive to crystalline feldspars from holomorphic euhedral crystalline to amorphous crystals</p>									

LITHOLOGY REPORT
- Detailed -

Hole Identifier TPK-10-008

Project TPK ROWLANDSON LAKE

Project Identifier 001

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Ag</i> (ppm)	<i>Ag2</i> (%)	<i>Agol</i> (%)	<i>Au</i> (g/t)	<i>Au2</i> (g/t)
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DRILL HOLE REPORT

Hole Identifier TPK-10-009

Project TPK ROWLANDSON LAKE

Project Identifier 001

Drilling	Casing	Core	Location	Other
Azimuth:	Length:	Dimension:	Township: W	Logged by: Sarah Miller
Dip:	Pulled:	Storage: OW	Claim No.:	Relog by:
Length:	Capped:	Section:	NTS:	Contractor: O
Started: o	Cemented:	Hole Type	Hole: SFC	Spotted by:
Completed: ec				Surveyed:
Logged: o				Surveyed by:
Comment:			Coordinate - Gemcom	Geophysics:
			East:	Geophysic Contractor:
			North:	Left in hole:
			Elev.:	Making water:
			Zone:	Multi shot survey:
			NAD:	

Deviation Tests

Distance	Azimuth	Dip	Type	Good	Comments
			C	<input checked="" type="checkbox"/>	

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-009**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	CAS Casing casing pushed to impossible to monitor conditions not looks like bed rock from 0m									
0000	0000	QMON Quartz Monzonite Medium to light grey speckled fine mass fine grained crystalline feldspars from holomorphic euhedral crystalline to amorphous crystals									
0000	0000	SHR Shear medium to moderate shear zone of chlorite shear lamellae sheared coarse grained trace of dissolution gradational contacts									
0000	0000	QMON Quartz Monzonite Medium to light grey speckled fine mass fine grained crystalline feldspars from holomorphic euhedral crystalline to amorphous crystals									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-009**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>SHR Shear</p> <p>Medium to light grey speckled fine to coarse grained quartz monzonite with moderate to intense shear. Shear zones are characterized by intense fracturing and are often filled with fine grained quartz and feldspar. Some shear zones are also filled with chlorite and illite. Some shear zones are also filled with chlorite and illite. Some shear zones are also filled with chlorite and illite.</p>									
		<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled fine to coarse grained quartz monzonite with moderate to intense fracturing. Some areas are also filled with chlorite and illite. Some areas are also filled with chlorite and illite. Some areas are also filled with chlorite and illite.</p>									
		<p>APL Aplite Dike</p> <p>Small aplite dike cross cutting quartz monzonite. Green chlorite alteration. Red ground core. Sharp contacts.</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-009

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	<p>QMON Quartz Monzonite</p> <p>Medium to light grey speckled lac massiferous crystalline feldspars from holomorphic euhedral crystalline to amorphous crystals</p>									
0000	0000	<p>APL Aplite Dike</p> <p>green apalite de sharp contacts C microfractures offset de near C makes it look recciated with triangles of mononite apalite de microfractures at C and healed with chlor trace g diss p through t ea hematite alt g aphanitic matrix with small lac iotite speckles gar texture</p>									
0000	0000	<p>SHR Shear</p> <p>sheared t mononite a ndant isp iotite shear lamellae sheared C e t stringers sections o loc core m strong shearing with sericite alt and asp and e t stringers g diss p through t</p>									
0000	0000	<p>QMON Quartz Monzonite</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-009**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		Medium to light grey speckled lacustrine massive to crystalline feldspars from holomorphic euhedral crystalline to amorphous crystals									
0000	0000	APL <i>Aplite Dike</i> apalite with sharp contacts with crystalline grey hematite and aphanitic matrix with tin specks of zircon and feldspar texture									
0000	0000	QMON <i>Quartz Monzonite</i> Medium to light grey speckled lacustrine massive to crystalline feldspars from holomorphic euhedral crystalline to amorphous crystals									
0000	0000	APL <i>Aplite Dike</i> apalite with sharp contacts with crystalline grey hematite and aphanitic matrix with tin specks of zircon and feldspar texture									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-009**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	QMON Quartz Monzonite Medium to light grey speckled lacustrine massive to crystalline feldspars from holomorphic euhedral crystalline to amorphous crystals									
0000	0000	APL Aplite Dike apalite dikes sharp contacts coarse pinkish grey hematite aluminous matrix with tin specks of zirconite and feldspar gangue									
0000	0000	QMON Quartz Monzonite Medium to light grey speckled lacustrine massive to crystalline feldspars from holomorphic euhedral crystalline to amorphous crystals									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-009**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	FD Felsic Dike intermed dle er g d gre lac sharp contacts C C little t o not mineralied									
00000	00000	QMON Quartz Monzonite Medim to light gre specled lac massie aria cr stali ed eldspar from holomorphic e hedral cr staline to amorpho s cr stals									
00000	00000	APL Aplite Dike gre g aphanic sharp C naltered s gar text re									
00000	00000	QMON Quartz Monzonite Medim to light gre specled lac massie aria cr stali ed eldspar from holomorphic e hedral cr staline to amorpho s cr stals									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-009

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	<p>SHR Shear</p> <p>sheared Qtz monzonite interval has patches of ea sheared M to moderate sheared shearing ranges from C patch mineralization with trace g diss p overall and moderate shears with p to g diss p and trace asp small t n in middle of shear</p>									
00000	00000	<p>QMON Quartz Monzonite</p> <p>Medium to light green speckled lac massive aia crystallized feldspars from holomorphic euhedral crystalline to amorphous crystals</p>									
00000	00000	<p>SHR Shear</p> <p>moderate sheared Qtz monzonite sheared C t flooded lac is p iotite shear lamella green overprint moderate sericite alt C open fracture with chlor along fracture plane g diss p</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-009**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	QMON Quartz Monzonite Medium to light grey speckled lacustrine massive to crystalline feldspars from holomorphic euhedral crystalline to amorphous crystals									

DRILL HOLE REPORT

Hole Identifier TPK-10-010

Project TPK ROWLANDSON LAKE

Project Identifier 001

Drilling	Casing	Core	Location	Other
Azimuth:	Length:	Dimension:	Township:	Logged by: Sarah Miller
Dip:	Pulled:	Storage: OW	Claim No.:	Relog by:
Length:	Capped:	Section:	NTS:	Contractor:
Started: ec	Cemented:	Hole Type	Hole: SFC	Spotted by:
Completed: ec				Surveyed:
Logged: Fe				Surveyed by:
Comment:				Geophysics:
		Coordinate - Gemcom	Coordinate - UTM	Geophysic Contractor:
		East:	East:	Left in hole:
		North:	North:	Making water:
		Elev.:	Elev.:	Multi shot survey:
			Zone: NAD:	

Deviation Tests

Distance	Azimuth	Dip	Type	Good	Comments
			C	<input checked="" type="checkbox"/>	
			C	<input checked="" type="checkbox"/>	

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-010**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	CAS	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	CAS	Casing									
0000	0000	QMON	Quartz Monzonite leuco granite gmg light pin in color ea hematite staining er trace iotite maic content									
0000	0000	QMON	Quartz Monzonite less hematite staining than surrounding granite moderate liated C occasional chlor filled fract res increase in t content gradational contacts									
0000	0000	QMON	Quartz Monzonite leuco granite gmg light pin in color ea hematite staining er trace iotite maic content									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-010**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	<p>SHR Shear</p> <p>cream colored granite with hematite staining moderate localized sericite alt moderate isolated chlorite patches g diss p with clusters up to trace poe stringers up to cm wide several open fractures several chlor filled fractures spessertine garnet noted on fracture plane at m near C ocell mineralized and flooded shear C gradational moderate sericite alt and gradational defined open fracture at C</p>									
0000	0000	<p>QMON Quartz Monzonite</p> <p>leucogranite with occasional biotite shear lamellae several chlor filled fractures in random directions moderate hematite staining rare car stringers up to cm wide most at C trace g diss p sections with abundant biotite shear lamellae OS CO M</p>									
0000	0000	<p>SCHS Sericite Schist</p> <p>moderate to strongly sheared leucogranite moderate sericite alt g diss p and up to cp sheared C flooding ore associated to flooding patches of less alt granite within shear fractured loc core open fractures most C abundant p along open fractures patch car alt chlor filled fractures through at random orientations C gradational and defined small stringer at C and a decrease in sericite alt and shearing</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-010**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	QMON Quartz Monzonite leuco granite mg light pin in color hematite staining trace biotite mafic content									
00000	00000	SHR Shear moderate strong shear gradational contacts sheared C flooded strong silicified hematite staining moderate sericite alt g diss p and trace g cp									
00000	00000	QMON Quartz Monzonite leuco granite mg light pin in color hematite staining trace biotite mafic content									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-010

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	<p>APL Aplite Dike</p> <p>palite d... pin... red... strong hematite staining... little ma... content... aphanitic... gar... texture... sharp contacts ...C...</p>									
00000	00000	<p>QMON Quartz Monzonite</p> <p>le... granite... mg... light pin... in color... ea... hematite staining... trace... otite... ma... ic content...</p>									
00000	00000	<p>SHR Shear</p> <p>moderate shear... cluster o... otite shear lamellae... sharp ...C... more gradational... still lo... ang... ... le... p... po most... associated... with... stringer in middle o... shear... stringer approx... cm... ide at... ...C... ea... car... alt... ea... chlor alt... within... a... andant spessertine garnet noted on... ract... re planes and... within shear</p>									
00000	00000	<p>QMON Quartz Monzonite</p> <p>le... granite... with occasional clusters o... otite shear lamellae most... at...C... with a... e... at...C... trace... g... diss... p... spessertine garnet... most note... orth... ill... e... descri... ed in str... ct... re ta... ble</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-010**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	APL Aplite Dike small apalite d... sharp contacts ...aphanitic matrix ...ith small ...iotite phenos...sgar...text...re... moderate hematite staining									
00000	00000	QMON Quartz Monzonite le...co granite ...ith occasional cl...sters o...iotite shear lamelae most...at ...C... with a ...e...s...parallel trace ...g diss p...ea...sericite alt along micro...ract...res shears...e...t...stringers ...ithin shears ...p to ...cm ...ide									
00000	00000	QMON Quartz Monzonite le...co granite ...ith occasional cl...sters o...iotite shear lamelae most...at ...C... with a ...e...s...parallel to core axis...trace ...g diss p...ea...sericite alt along micro...ract...res shears...e...t...stringers ...ithin shears ...p to ...cm ...ide									

LITHOLOGY REPORT
- Detailed -

Hole Identifier TPK-10-010

Project TPK ROWLANDSON LAKE

Project Identifier 001

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Ag</i> (ppm)	<i>Ag2</i> (%)	<i>Agol</i> (%)	<i>Au</i> (g/t)	<i>Au2</i> (g/t)
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DRILL HOLE REPORT

Hole Identifier **TPK-10-011**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

Drilling	Casing	Core	Location	Other
Azimuth: <input type="text"/>	Length: <input type="text"/>	Dimension: <input type="text"/>	Township: W <input type="text"/> O <input type="text"/> M	Logged by: Sarah Miller
Dip: <input type="text"/>	Pulled: <input type="text"/>	Storage: <input type="text"/> OW <input type="text"/> S	Claim No.:	Relog by:
Length: <input type="text"/>	Capped:	Section:	NTS: <input type="text"/>	Contractor: <input type="text"/> O <input type="text"/> H <input type="text"/> S
Started:	Cemented:	Hole Type <input type="text"/>	Hole: S <input type="text"/> F <input type="text"/> C <input type="text"/>	Spotted by:
Completed:				Surveyed:
Logged: <input type="text"/> Fe <input type="text"/>				Surveyed by:
Comment:				Geophysics:
		Coordinate - Gemcom	Coordinate - UTM	Geophysic Contractor:
		East: <input type="text"/>	East: <input type="text"/>	Left in hole:
		North: <input type="text"/>	North: <input type="text"/>	Making water:
		Elev.: <input type="text"/>	Elev.: <input type="text"/>	Multi shot survey:
			Zone: <input type="text"/> NAD: <input type="text"/>	

Deviation Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
<input type="text"/>	<input type="text"/>	<input type="text"/>	C	<input checked="" type="checkbox"/>	

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-011

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	CAS Casing									
0000	0000	<p>QMON Quartz Monzonite</p> <p>leucogranite with moderate hematite staining, foliated, occasional chlorite filled fractures at various degrees, clusters of biotite shear lamellae, little mafic content less than occasional open fractures with a yellowish water staining.</p>									
0000	0000	<p>SCHS Sericite Schist</p> <p>moderate shear, moderate sericite alteration, sheared, greenish grey with greenish sericite alteration, sharp cleavage at various degrees, clusters of biotite shear lamellae, little mafic content less than occasional open fractures with a yellowish water staining.</p>									
0000	0000	<p>QMON Quartz Monzonite</p> <p>leucogranite with moderate hematite staining, foliated, occasional chlorite filled fractures at various degrees, clusters of biotite shear lamellae, little mafic content less than occasional open fractures with a yellowish water staining.</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-011

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	QMON Quartz Monzonite leucogranite with moderate hematite staining and foliated									
0000	0000	SCHS Sericite Schist patchy sericite alt shear sheared at C patches of moderate sericite shear with patches of unaltered leucogranite moderate shears have gradational contacts with porphyrospessertine garnet moderate shears noted in structure table									
0000	0000	QMON Quartz Monzonite leucogranite with moderate hematite staining and foliated									
0000	0000	SCHS Sericite Schist strongly sheared sheared C strong sericite alt patchy loading g diss porphyro trace asphalithin stringer abundant spessertine garnet mostly associated with earlier sericite alt sections sections of sericite alt granite C gradational sharp C and an open fracture more details									

LITHOLOGY REPORT - Detailed -

Hole Identifier **TPK-10-011**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		in structure table									
		QMON Quartz Monzonite leucogranite with moderate hematite staining and foliated									
		SCHS Sericite Schist sericite shear zone same as seen above strong sericite alt light green yellow strong shear zone with stringers up to 1cm wide gradational contacts with g diss ppo most associated with stringers and spessertine garnets									
		QMON Quartz Monzonite leucogranite with moderate hematite staining and foliated									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-011

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	<p>SCHS Sericite Schist</p> <p>strong shear sheared C strong sericite altello light green in color same as seen above gradational contacts several stringers up to cm wide in g diss and calc pop throughout</p>									
00000	00000	<p>QMON Quartz Monzonite</p> <p>pink to co granite moderate hematite staining occasional stringers stringers up to cm wide stringers are at various orientations most C chlor filled fractures sericite biotite shear lamellae at various orientations trace g diss p</p>									
00000	00000	<p>QMON Quartz Monzonite</p> <p>leucogranite ea moderate hematite staining ea foliated</p>									
00000	00000	<p>APL Aplite Dike</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-011

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		apalite d...e...g...pin...moderate hematite alt...C ...C...C ...C									
		QMON Quartz Monzonite le...cogranite...ea...moderate hematite staining...ea...oliated									
		APL Aplite Dike apalite d...e...g...pin...moderate hematite alt...sharp ...C contacts...s...gar...text...re									
		QMON Quartz Monzonite le...cogranite...ea...moderate hematite staining...ea...oliated									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-011

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	<p>GABB <i>Gabbro</i></p> <p>Mafic to gabbro green massive occasional carth stringers moderate chlor alt trace g diss p...a...ed contacts C...C... and sheared...a...ed amphi...oliti...ed until ...m...C irregular and intermixed with granite at ...C...sheared...a...ed amphi...oliti...ed from ...m</p>									
00000	00000	<p>QMON <i>Quartz Monzonite</i></p> <p>leucogranite...ea...moderate hematite staining...ea...oliated ...C...occasional chlor filled fractures at various degrees...e... clusters o...otite shear lamellae little mafic content less than ... occasional open fractures with a ...ello... possi...ater staining</p>									

DRILL HOLE REPORT

Hole Identifier TPK-10-012

Project TPK ROWLANDSON LAKE

Project Identifier 001

Drilling	Casing	Core	Location	Other
Azimuth:	Length:	Dimension:	Township: W	Logged by:
Dip:	Pulled:	Storage: OW	Claim No.:	Relog by:
Length:	Capped:	Section:	NTS:	Contractor:
Started: ec	Cemented:	Hole Type	Hole: SFC	Spotted by:
Completed: ec				Surveyed:
Logged: ec				Surveyed by:
Comment:				Geophysics:
		Coordinate - Gemcom	Coordinate - UTM	Geophysic Contractor:
		East:	East:	Left in hole:
		North:	North:	Making water:
		Elev.:	Elev.:	Multi shot survey:
			Zone: NAD:	

Deviation Tests

Distance	Azimuth	Dip	Type	Good	Comments
			C	<input checked="" type="checkbox"/>	

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-10-012

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	CAS Casing Ore casing pushed to hematite alt leucogranite boulders									
0000	0000	LGR Leucogranite Leucogranite sheared and stretched parallel to core axis. Light and dark patches of hematite alt trace of diss p through it									
0000	0000	LGR Leucogranite Leucogranite sheared and stretched parallel to core axis. Light and green patches of hematite alt trace of diss p through it. Greenish tint caused moderate chlor alt and occasional sericite alt gradational contacts. Local fractured core									
0000	0000	LGR Leucogranite Leucogranite sheared and stretched parallel to core axis. Light and dark patches of hematite alt trace of diss p through it. Increase in Fe content than a fine granite. Occasional irregular shaped pits									

LITHOLOGY REPORT
- Detailed -

Hole Identifier TPK-10-012

Project TPK ROWLANDSON LAKE

Project Identifier 001

<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Ag</i> (ppm)	<i>Ag2</i> (%)	<i>Agol</i> (%)	<i>Au</i> (g/t)	<i>Au2</i> (g/t)
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LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-005

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	QMON Quartz Monzonite Fine to medium grained quartz monzonite with interlocking quartz and feldspar. Contains small amounts of biotite and hornblende.									
0.00	0.00	APL Aplite Dike Fine grained aplite dike composed of quartz and feldspar.									
0.00	0.00	QMON Quartz Monzonite Fine to medium grained quartz monzonite with interlocking quartz and feldspar. Contains small amounts of biotite and hornblende.									
0.00	0.00	SHR Shear Shear zone composed of quartz and feldspar.									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-005

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
-------------	-----------	-----------	----------	------	----	--------	-------------	------------	-------------	-------------	--------------

00000 00000 **QMON Quartz Monzonite**
 000C 000 WH000F0M000O000 000 F000S000 C00S000S00CC0S00000O000
 S000000S00000 000C0 F0 0SS 000S000000 000CM W000 000H0 00000000 000H0 00000
 00000 0000S

00000 00000 **SHR Shear**
 SH00000 000C00CH0O0 000 0H0O00HO00 000 W00H00 O000 000 C0OS00 F00C0000S0
 F0W 000 0000S0000C0 F0 0SS 000W000 C000 0000F00C00000

00000 00000 **QMON Quartz Monzonite**
 000C 000 WH000F0M000O000 000 F000S000 C00S000S00CC0S00000O000
 S000000S00000 000C0 F0 0SS 00

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-005

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
-------------	-----------	-----------	----------	------	----	--------	-------------	------------	-------------	-------------	--------------

10.00	10.50	SHR <i>Shear</i> SHaly sandstone with calcareous shale and chert nodules. Fossiliferous.									
-------	-------	--	--	--	--	--	--	--	--	--	--

11.00	11.50	QMON <i>Quartz Monzonite</i> Quartz monzonite with white feldspar and orthoclase. Slightly siliceous.									
-------	-------	---	--	--	--	--	--	--	--	--	--

12.00	12.50	APL <i>Aplite Dike</i> Aplite dike with microcline and orthoclase. Siliceous.									
-------	-------	---	--	--	--	--	--	--	--	--	--

13.00	13.50	QMON <i>Quartz Monzonite</i>									
-------	-------	-------------------------------------	--	--	--	--	--	--	--	--	--

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-005

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>Light grey to white fine to medium grained quartz monzonite. Contains small amounts of biotite and hornblende. Some areas are more mafic.</p>									
		<p>APL Aplite Dike Fine to medium grained, light grey to white aplite. Contains small amounts of biotite and hornblende. Some areas are more mafic.</p>									
		<p>QMON Quartz Monzonite Light grey to white fine to medium grained quartz monzonite. Contains small amounts of biotite and hornblende. Some areas are more mafic.</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-013

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	CAS Casing C S M O SH O M O O O S									
0.00	0.00	QMON Quartz Monzonite M O O W H C S C S F S S F O M H O M O H O S M S S H H O M F C C S H									
0.00	0.00	SHR Shear S H M O O S H C S H C O C F S S S M H S S C C S M F C C O									
		Mineralization Maj. :	Type/Style/%Mineral	Comment							
				W H S H S S							
		Structure Maj.:	Type/Core Angle	Comment							
				M O O O S O S H							

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-013

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
10.00	10.50	QMON Quartz Monzonite Medium to coarse grained quartz monzonite with subhedral to euhedral quartz and perthite. Matrix is fine to medium grained quartz monzonite. Some areas show fine grained quartz monzonite with perthite. Some areas show fine grained quartz monzonite with perthite.	TPK-11-013-001	10.00	10.50	0.50					
10.50	11.00	QMON Quartz Monzonite Medium to coarse grained quartz monzonite with subhedral to euhedral quartz and perthite. Matrix is fine to medium grained quartz monzonite. Some areas show fine grained quartz monzonite with perthite. Some areas show fine grained quartz monzonite with perthite.	TPK-11-013-002	10.50	11.00	0.50					
11.00	11.50	QMON Quartz Monzonite Medium to coarse grained quartz monzonite with subhedral to euhedral quartz and perthite. Matrix is fine to medium grained quartz monzonite. Some areas show fine grained quartz monzonite with perthite. Some areas show fine grained quartz monzonite with perthite.	TPK-11-013-003	11.00	11.50	0.50					
11.50	12.00	QMON Quartz Monzonite Medium to coarse grained quartz monzonite with subhedral to euhedral quartz and perthite. Matrix is fine to medium grained quartz monzonite. Some areas show fine grained quartz monzonite with perthite. Some areas show fine grained quartz monzonite with perthite.	TPK-11-013-004	11.50	12.00	0.50					
12.00	12.50	QMON Quartz Monzonite Medium to coarse grained quartz monzonite with subhedral to euhedral quartz and perthite. Matrix is fine to medium grained quartz monzonite. Some areas show fine grained quartz monzonite with perthite. Some areas show fine grained quartz monzonite with perthite.	TPK-11-013-005	12.00	12.50	0.50					
12.50	13.00	APL Aplite Dike Aplite dike composed of fine to medium grained quartz and perthite. Matrix is fine to medium grained quartz monzonite. Some areas show fine grained quartz monzonite with perthite. Some areas show fine grained quartz monzonite with perthite.	TPK-11-013-006	12.50	13.00	0.50					
13.00	13.50	QMON Quartz Monzonite Medium to coarse grained quartz monzonite with subhedral to euhedral quartz and perthite. Matrix is fine to medium grained quartz monzonite. Some areas show fine grained quartz monzonite with perthite. Some areas show fine grained quartz monzonite with perthite.	TPK-11-013-007	13.00	13.50	0.50					
13.50	14.00	QMON Quartz Monzonite Medium to coarse grained quartz monzonite with subhedral to euhedral quartz and perthite. Matrix is fine to medium grained quartz monzonite. Some areas show fine grained quartz monzonite with perthite. Some areas show fine grained quartz monzonite with perthite.	TPK-11-013-008	13.50	14.00	0.50					
14.00	14.50	SHR Shear Shear zone composed of fine to medium grained quartz monzonite with perthite. Matrix is fine to medium grained quartz monzonite. Some areas show fine grained quartz monzonite with perthite. Some areas show fine grained quartz monzonite with perthite.	TPK-11-013-009	14.00	14.50	0.50					

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-013

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>MOONSTONE O FCS</p> <p>Mineralization Maj. : Type/Style/%Mineral Comment</p> <p>SS</p> <p>Structure Maj.: Type/Core Angle Comment</p> <p>SH</p>									
		<p>QMON Quartz Monzonite</p> <p>SMS OS MOONSTONE</p>									
		<p>SHR Shear</p> <p>W O MO SH MO SH CH C S</p> <p>OFFS SH C S C F SS WH SH</p> <p>OCS</p> <p>Alteration Maj: Type/Style/Intensity Comment</p> <p>C W C S OFFS SH</p> <p>Mineralization Maj. : Type/Style/%Mineral Comment</p> <p>SS</p> <p>Structure Maj.: Type/Core Angle Comment</p> <p>SH</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-013

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		Mineralization Maj. : Type/Style/%Mineral Comment									
		Structure Maj.: Type/Core Angle Comment									
		QMON Quartz Monzonite SM S O MO O SM S O CM O C									
		VQTZ Quartz Vein SM WH W C W O M S O SM M OF SH C C O CO									
		QMON Quartz Monzonite SM S O MO O									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-013

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	APL <i>Aplite Dike</i> Aplite dike composed of coarse-grained quartz, feldspar, and perthite. The matrix is fine-grained quartz and feldspar. The dike is 10-15 cm thick and is oriented N30E.	TPK-11-013-001	0.00	0.00	0.00					
0.00	0.00	QMON <i>Quartz Monzonite</i> Quartz monzonite composed of quartz, feldspar, and perthite. The matrix is fine-grained quartz and feldspar. The monzonite is 10-15 cm thick and is oriented N30E.	TPK-11-013-002	0.00	0.00	0.00					
0.00	0.00	SHR <i>Shear</i> Shear zone composed of quartz, feldspar, and perthite. The matrix is fine-grained quartz and feldspar. The shear zone is 10-15 cm thick and is oriented N30E.	TPK-11-013-003	0.00	0.00	0.00					
		Mineralization Maj. : Type/Style/%Mineral Comment Sillimanite / Sillimanite / 10% Sillimanite / Sillimanite									
		Structure Maj.: Type/Core Angle Comment Shear / 30° / Shear									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-013

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	QMON Quartz Monzonite Siltstone to sandstone with quartz and feldspar.	TPK11013-001	0.00	0.00	0.00					
0.00	0.00	APL Aplite Dike Aplitic dike composed of quartz, feldspar, and perthite.	TPK11013-002	0.00	0.00	0.00					
0.00	0.00	QMON Quartz Monzonite Siltstone to sandstone with quartz and feldspar.	TPK11013-003	0.00	0.00	0.00					
		Alteration Maj: Type/Style/Intensity Comment									
		CH M									
		Mineralization Maj.: Type/Style/%Mineral Comment									
		S									
		Structure Maj.: Type/Core Angle Comment									
		SH									
		Feldspar									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-013

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	QMON Quartz Monzonite S.M. S.O.	000000	0.00	0.00	0.00					
0.00	0.00	VQTZ Quartz Vein CH WH M W H MO O SH CO C S S O S H SH C	000000	0.00	0.00	0.00					
0.00	0.00	QMON Quartz Monzonite S.M. S.O.	000000	0.00	0.00	0.00					
0.00	0.00	QMON Quartz Monzonite S.M. S.O.	000000	0.00	0.00	0.00					
0.00	0.00	QMON Quartz Monzonite S.M. S.O.	000000	0.00	0.00	0.00					

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-013

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	VQC Qtz-Carb Vein C CO SH CO C S C C F SS W CH O W H F C S W H M									
0.00	0.00	QMON Quartz Monzonite S M S O									
0.00	0.00	VQTZ Quartz Vein S M S SH C CO C S MO C CH O F C O S S C F C S F SS H									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-013

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	QMON Quartz Monzonite S.M. S O MO O W SH FO O O C OCCSS O M F C S O O HS									
0.00	0.00	TON Tonalite OSS O O S M MO O W H O M F C CO SH CO C S MO O S F O CO C S WH W H C WH S C S MOS O F S M W H O O F S H OS C S C O M									
0.00	0.00	QMON Quartz Monzonite S.M. S O O FO									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-013

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>SHR Shear</p> <p>Siltstone SH... OF ... SH... MO... CH... ... FO... SH... CO... S ...</p> <p>Mineralization Maj. : Type/Style/%Mineral Comment ... S ...</p> <p>Structure Maj.: Type/Core Angle Comment SH ...</p>									
		<p>QMON Quartz Monzonite</p> <p>Siltstone S ... W ... H ...</p> <p>Alteration Maj: Type/Style/Intensity Comment H ... W</p>									
		<p>SHR Shear</p> <p>Siltstone SH... MO... S... H... SH... C... SH... C... ... C... SH... F ... S ... FO... SH... F... W ... H...</p> <p>Alteration Maj: Type/Style/Intensity Comment H ... MS</p> <p>Mineralization Maj. : Type/Style/%Mineral Comment ... S ...</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-013

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>Structure Maj.:</p> <p>□□□□ □□□□ □C □□</p> <p>□□□□ □□□□ SH□ □□</p> <p>□□□□ □□□□ □C □□</p>									
□□□□	□□□□	<p>VQTZ Quartz Vein</p> <p>□CM W□□ □□□ □□WH□□ □□□CH□O□ □□□ S□□C□□ W□H□ F□□C□□□□S□SH□□□ O□□□</p> <p>F□□C□□□□ CO□□□C□S □□□C□□□□C□ F□ □□SS □□</p>									
		<p>Alteration Maj:</p> <p>□□□□ □□□□□□ S□□ FF W</p> <p>□□□□ □□□□□□ CH□ FF W</p>									
		<p>Mineralization Maj. :</p> <p>□□□□ □□□□□□ □□ □□S □□□□ □□□C□</p>									
		<p>Structure Maj.:</p> <p>□□□□ □□□□□□ □C □□</p> <p>□□□□ □□□□□□ □C □□</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-013

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	QMON Quartz Monzonite S.M. S.O.									
0.00	0.00	APL Aplite Dike F.S.H. C.CO.C.S.									
0.00	0.00	QMON Quartz Monzonite S.M. S.O.									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-013

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		Structure Maj.:									
		Type/Core Angle									
		Comment									
		QMON Quartz Monzonite									
		MO... FO... S... W... H... WHICH... S...									
		OW...m OH									



DRILL HOLE REPORT

Hole Identifier TPK-11-014

Project TPK ROWLANDSON LAKE

Project Identifier 001

Drilling	Casing	Core	Location	Other
Azimuth: 000	Length: 0	Dimension: 00	Township: W000O00M	Logged by: Sarah Miller
Dip: 000	Pulled:	Storage: 0OW0000S	Claim No.:	Relog by:
Length: 000	Capped: Yes	Section:	NTS: 00000	Contractor: 000000 00O0H00S
Started: 0000an000	Cemented:	Hole Type 00	Hole: S00F0C0	Spotted by: Sarah Miller
Completed: 000Fe0000				Surveyed:
Logged: 0000an000				Surveyed by: Sarah Miller
Comment: Fracture zone intersected at 0000000000m small fracture zone at 0000000000ea shearing through out			Coordinate - Gemcom	Geophysics:
			East: 000000	Geophysic Contractor:
			North: 0000000	Left in hole:
			Elev.: 000	Making water:
			Zone: 000	Multi shot survey: Yes
			NAD: 00000	

Deviation Tests

Distance	Azimuth	Dip	Type	Good	Comments
0000	000000	000000	C	<input checked="" type="checkbox"/>	
0000	000000	000000	F	<input checked="" type="checkbox"/>	
0000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-014

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	CAS Casing casing pushed to 0m									
0.00	0.00	QMON Quartz Monzonite MO WH C H O M O H O S F S O C S S C F SS OCC S O C S H S C F C	000000	0.00	0.00	0.00					
			000000	0.00	0.00	0.00					
			000000	0.00	0.00	0.00					
			000000	0.00	0.00	0.00					
			000000	0.00	0.00	0.00					
			000000	0.00	0.00	0.00					
0.00	0.00	SHR Shear S O SH SH C SH C C O C C MO CH O F C F W SM S F SS F O W SH W C	000000	0.00	0.00	0.00					
		Mineralization Maj. : Type/Style/%Mineral Comment S S									
		Structure Maj.: Type/Core Angle Comment C SH C									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-014

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	QMON Quartz Monzonite MO O SIM O O MO W FO C OCC S O C S O S O W S S O O O O O C F S S									
		Structure Maj.: FO									
		Type/Core Angle FO									
		Comment									
0.00	0.00	APL Aplite Dike H C S SH C S									
		Structure Maj.: C									
		Type/Core Angle C									
		Comment									
0.00	0.00	QMON Quartz Monzonite S M S O									
		Structure Maj.: FO									
		Type/Core Angle FO									
		Comment									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-014

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	SHR Shear Siltstone shaly calciferous silty claystone cherty shaly oolitic fine crystalline COARSE Siltstone calcareous medium to massive of shaly calciferous fine silty shale fine silty shale massive silty claystone massive silty shale massive silty shale Alteration Maj: Type/Style/Intensity Comment Silty shale WM Cherty shale S Mineralization Maj.: Type/Style/%Mineral Comment Silty shale S Structure Maj.: Type/Core Angle Comment Silty shale C Shaly shale SH Silty shale C									
0.00	0.00	QMON Quartz Monzonite Siltstone silty shale fine crystalline oolitic calciferous Structure Maj.: Type/Core Angle Comment Siltstone FO									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-014

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	APL <i>Aplite Dike</i> Fine to medium grained, white to light grey, crystalline, massive to slightly foliated, composed of quartz, feldspar, and perthite. Occasional small, dark, rounded inclusions of magnetite and hematite. Alteration includes high grade white mica and chlorite. Structure is massive to slightly foliated. Alteration Maj: High grade white mica Structure Maj.: Foliated									
0.00	0.00	QMON <i>Quartz Monzonite</i> Medium to coarse grained, light grey to white, crystalline, massive to slightly foliated, composed of quartz, feldspar, and perthite. Occasional small, dark, rounded inclusions of magnetite and hematite. Alteration includes high grade white mica and chlorite. Structure is massive to slightly foliated. Alteration Maj: High grade white mica Structure Maj.: Foliated									
0.00	0.00	APL <i>Aplite Dike</i> Fine to medium grained, white to light grey, crystalline, massive to slightly foliated, composed of quartz, feldspar, and perthite. Occasional small, dark, rounded inclusions of magnetite and hematite. Alteration includes high grade white mica and chlorite. Structure is massive to slightly foliated. Alteration Maj: High grade white mica Structure Maj.: Foliated									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-014

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		SOM S O									
		Structure Maj.: FO									
		Type/Core Angle FO									
		Comment FO									
		APL Aplite Dike									
		SOM S O SH C COCS									
		Structure Maj.: FO									
		Type/Core Angle FO									
		Comment FO									
		QMON Quartz Monzonite									
		SOM S O									
		Structure Maj.: FO									
		Type/Core Angle FO									
		Comment FO									
		APL Aplite Dike									
		SOM S O SH C COCS									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-014

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		Structure Maj.: □□□□□ □□□□□□ □□□□□ □□□□□□ Type/Core Angle □C □□ □C □□ Comment									
□□□□□	□□□□□	QMON Quartz Monzonite S□M□ □S □□O□□	□□□□□□	□□□□□	□□□□□	□□□□		□	□	□	□
		Structure Maj.: □□□□□ □□□□□□ Type/Core Angle FO□ □□ Comment	□□□□□□	□□□□□	□□□□□	□□□□		□	□	□	□
□□□□□	□□□□□	VQTZ Quartz Vein SM□□□□□□□□WH□□ □□□W□□□ C□□□ □□□CH□O□ □□O□□ □□ M□□□□S□SH□□□□ □□C□ CO□□□C□S□□□□C□ F□ □SS□ □□ □□O□□ □□ M□□□□S□□C O□□□ F□□C□□□□□	□□□□□□	□□□□□	□□□□□	□□□□		□	□	□	□
		Structure Maj.: □□□□□ □□□□□□ □□□□□ □□□□□□ Type/Core Angle □C □□ □C □□ Comment									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-014

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	QMON Quartz Monzonite Siltstone to sandstone with quartz and feldspar, some chert, fossiliferous, shaly, calcareous.	000001	0.00	0.00	0.00					
			000002	0.00	0.00	0.00					
			000003	0.00	0.00	0.00					
			000004	0.00	0.00	0.00					
			000005	0.00	0.00	0.00					
			000006	0.00	0.00	0.00					
			000007	0.00	0.00	0.00					
			000008	0.00	0.00	0.00					
			000009	0.00	0.00	0.00					
			000010	0.00	0.00	0.00					
			000011	0.00	0.00	0.00					
			000012	0.00	0.00	0.00					
			000013	0.00	0.00	0.00					
			000014	0.00	0.00	0.00					
			000015	0.00	0.00	0.00					
			000016	0.00	0.00	0.00					
			000017	0.00	0.00	0.00					
			000018	0.00	0.00	0.00					
			000019	0.00	0.00	0.00					
			000020	0.00	0.00	0.00					
			000021	0.00	0.00	0.00					
			000022	0.00	0.00	0.00					
			000023	0.00	0.00	0.00					
			000024	0.00	0.00	0.00					
			000025	0.00	0.00	0.00					
			000026	0.00	0.00	0.00					
			000027	0.00	0.00	0.00					
			000028	0.00	0.00	0.00					
			000029	0.00	0.00	0.00					
			000030	0.00	0.00	0.00					
			000031	0.00	0.00	0.00					
			000032	0.00	0.00	0.00					
			000033	0.00	0.00	0.00					
			000034	0.00	0.00	0.00					
			000035	0.00	0.00	0.00					
			000036	0.00	0.00	0.00					
			000037	0.00	0.00	0.00					
			000038	0.00	0.00	0.00					
			000039	0.00	0.00	0.00					
			000040	0.00	0.00	0.00					
			000041	0.00	0.00	0.00					
			000042	0.00	0.00	0.00					
			000043	0.00	0.00	0.00					
			000044	0.00	0.00	0.00					
			000045	0.00	0.00	0.00					
			000046	0.00	0.00	0.00					
			000047	0.00	0.00	0.00					
			000048	0.00	0.00	0.00					
			000049	0.00	0.00	0.00					
			000050	0.00	0.00	0.00					
			000051	0.00	0.00	0.00					
			000052	0.00	0.00	0.00					
			000053	0.00	0.00	0.00					
			000054	0.00	0.00	0.00					
			000055	0.00	0.00	0.00					
			000056	0.00	0.00	0.00					
			000057	0.00	0.00	0.00					
			000058	0.00	0.00	0.00					
			000059	0.00	0.00	0.00					
			000060	0.00	0.00	0.00					
			000061	0.00	0.00	0.00					
			000062	0.00	0.00	0.00					
			000063	0.00	0.00	0.00					
			000064	0.00	0.00	0.00					
			000065	0.00	0.00	0.00					
			000066	0.00	0.00	0.00					
			000067	0.00	0.00	0.00					
			000068	0.00	0.00	0.00					
			000069	0.00	0.00	0.00					
			000070	0.00	0.00	0.00					
			000071	0.00	0.00	0.00					
			000072	0.00	0.00	0.00					
			000073	0.00	0.00	0.00					
			000074	0.00	0.00	0.00					
			000075	0.00	0.00	0.00					
			000076	0.00	0.00	0.00					
			000077	0.00	0.00	0.00					
			000078	0.00	0.00	0.00					
			000079	0.00	0.00	0.00					
			000080	0.00	0.00	0.00					
			000081	0.00	0.00	0.00					
			000082	0.00	0.00	0.00					
			000083	0.00	0.00	0.00					
			000084	0.00	0.00	0.00					
			000085	0.00	0.00	0.00					
			000086	0.00	0.00	0.00					
			000087	0.00	0.00	0.00					
			000088	0.00	0.00	0.00					
			000089	0.00	0.00	0.00					
			000090	0.00	0.00	0.00					
			000091	0.00	0.00	0.00					
			000092	0.00	0.00	0.00					
			000093	0.00	0.00	0.00					
			000094	0.00	0.00	0.00					
			000095	0.00	0.00	0.00					
			000096	0.00	0.00	0.00					
			000097	0.00	0.00	0.00					
			000098	0.00	0.00	0.00					
			000099	0.00	0.00	0.00					
			000100	0.00	0.00	0.00					
			000101	0.00	0.00	0.00					
			000102	0.00	0.00	0.00					
			000103	0.00	0.00	0.00					
			000104	0.00	0.00	0.00					
			000105	0.00	0.00	0.00					
			000106	0.00	0.00	0.00					
			000107	0.00	0.00	0.00					
			000108	0.00	0.00	0.00					
			000109	0.00	0.00	0.00					
			000110	0.00	0.00	0.00					
			000111	0.00	0.00	0.00					
			000112	0.00	0.00	0.00					
			000113	0.00	0.00	0.00					
			000114	0.00	0.00	0.00					
			000115	0.00	0.00	0.00					
			000116	0.00	0.00	0.00					
			000117	0.00	0.00	0.00					
			000118	0.00	0.00	0.00					
			000119	0.00	0.00	0.00					
			000120	0.00	0.00	0.00					
			000121	0.00	0.00	0.00					
			000122	0.00	0.00	0.00					
			000123	0.00	0.00	0.00					
			000124	0.00	0.00	0.00					
			000125	0.00	0.00	0.00					
			000126	0.00	0.00	0.00					
			000127	0.00	0.00	0.00					
			000128	0.00	0.00	0.00					
			000129	0.00	0.00	0.00					
			000130	0.00	0.00	0.00					
			000131	0.00	0.00	0.00					
			000132	0.00	0.00	0.00					
			000133	0.00	0.00	0.00					
			000134	0.00	0.00	0.00					

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-014

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
10.00	10.50	MD Mafic Dike Mafic dike composed of S and O. Matrix is fine to medium grained. Contains small clasts of quartz and feldspar.									
		Alteration Maj: Chlorite matrix									
		Structure Maj.: Core									
10.50	11.00	SHR Shear Shear zone composed of S and O. Matrix is fine to medium grained. Contains small clasts of quartz and feldspar.									
		Structure Maj.: Shear									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-014

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>Structure Maj.: Type/Core Angle Comment</p> <p>CH S</p>									
		<p>FRZ Fracture Zone</p> <p>Fine-grained to medium-grained, blocky to sub-angular, quartz, calcite, and hematite. Some areas contain hematite and magnetite. Some areas contain hematite and magnetite.</p> <p>Alteration Maj: Type/Style/Intensity Comment</p> <p>CH F W</p> <p>CH F M</p> <p>H S</p> <p>Structure Maj.: Type/Core Angle Comment</p> <p>SH</p> <p>CH</p>									
		<p>VQTZ Quartz Vein</p> <p>Thin to medium thickness, blocky to sub-angular, quartz, calcite, and hematite. Some areas contain hematite and magnetite. Some areas contain hematite and magnetite.</p> <p>Alteration Maj: Type/Style/Intensity Comment</p> <p>H CH S</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-014

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		Coarse FF S									
		CH FF S									
		Mineralization Maj. : Type/Style/%Mineral Comment									
		Coarse FF S									
		Structure Maj.: Type/Core Angle Comment									
		C									
		C									
		SHR Shear									
		MOSS H M									
		SM CHS OF CM W O S F SS									
		H C									
		Alteration Maj: Type/Style/Intensity Comment									
		H S CO CO									
		Mineralization Maj. : Type/Style/%Mineral Comment									
		Coarse FF S									
		Structure Maj.: Type/Core Angle Comment									
		SH									
		F									
		SH									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-014

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	QMON Quartz Monzonite W00000 FO00000 000 MO00O000S0M0 0S 00O00	000000	00000	00000	0000					
			000000	00000	00000	0000					
			000000	00000	00000	0000					

DRILL HOLE REPORT

Hole Identifier **TPK-11-015**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

Drilling	Casing	Core	Location	Other
Azimuth:	Length:	Dimension:	Township: W	Logged by: Sarah Miller
Dip:	Pulled:	Storage: OW	Claim No.:	Relog by:
Length:	Capped: es	Section:	NTS:	Contractor: OHS
Started: Fe	Cemented:	Hole Type	Hole: SFC	Spotted by: Sarah Miller
Completed: Fe				Surveyed:
Logged: Fe				Surveyed by: Sarah Miller
Comment: Fracture zone intersected at m. Sercite schist from m with p sheared at C. flooding and small in at m. no			Coordinate - Gemcom	Geophysics:
			East:	Geophysic Contractor:
			North:	Left in hole:
			Elev.:	Making water:
			Zone:	Multi shot survey: es
			NAD:	

Deviation Tests

Distance	Azimuth	Dip	Type	Good	Comments
			C	<input checked="" type="checkbox"/>	
			F	<input checked="" type="checkbox"/>	
			F	<input checked="" type="checkbox"/>	
			F	<input checked="" type="checkbox"/>	
			F	<input checked="" type="checkbox"/>	
			F	<input checked="" type="checkbox"/>	
			F	<input checked="" type="checkbox"/>	
			F	<input checked="" type="checkbox"/>	
			F	<input checked="" type="checkbox"/>	

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-015

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	CAS Casing Casing									
0.00	0.00	QMON Quartz Monzonite Medium to coarse grained quartz monzonite with fine to medium grained feldspar and biotite. Contains small amounts of magnetite and ilmenite.	TPK-11-015-001	0.00	0.00	0.00					
0.00	0.00	SHR Shear Shear zone with fine to medium grained quartz and feldspar. Contains small amounts of magnetite and ilmenite.	TPK-11-015-002	0.00	0.00	0.00					
		Structure Maj.:									
		0.00 0.00									
		0.00 0.00									
		0.00 0.00									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-015

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	QMON Quartz Monzonite MO O C WH F M C F SS									

0.00	0.00	APL Aplite Dike F S SH C CO C S
------	------	---

Structure Maj.:	Type/Core Angle	Comment
	C	
	C	

0.00	0.00	QMON Quartz Monzonite MO O C WH F M C F SS									
------	------	--	--	--	--	--	--	--	--	--	--

0.00	0.00	VQC Qtz-Carb Vein C W CH O M SH C		
		Alteration Maj:	Type/Style/Intensity	Comment

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-015

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		CH ₂ F W									
		C ₁₀ M									
		Structure Maj.: Type/Core Angle Comment									
		C ₁₀ M									
		C ₁₀ M									
		QMON Quartz Monzonite									
		MO ₁₀ O ₁₀ C ₁₀ WH ₁₀ F ₁₀ M ₁₀ C ₁₀ F ₁₀ SS ₁₀ W ₁₀									
		FO ₁₀ O ₁₀ C ₁₀									
		Structure Maj.: Type/Core Angle Comment									
		FO ₁₀ O ₁₀ C ₁₀									
		SHR Shear									
		S ₁₀ O ₁₀ SH ₁₀ SH ₁₀ C ₁₀ F ₁₀ SS ₁₀ S ₁₀ SH ₁₀ C ₁₀									
		CO ₁₀ C ₁₀ S ₁₀									
		Mineralization Maj.: Type/Style/%Mineral Comment									
		S ₁₀ O ₁₀ SH ₁₀ SH ₁₀ C ₁₀									
		S ₁₀ O ₁₀ SH ₁₀ SH ₁₀ C ₁₀									
		Structure Maj.: Type/Core Angle Comment									
		C ₁₀ M									
		SH ₁₀ C ₁₀									
		C ₁₀ M									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-015

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	APL <i>Aplite Dike</i> F S SH C CO S									
		Structure Maj.:									
		Type/Core Angle									
		Comment									
0000	0000	QMON <i>Quartz Monzonite</i> MO O C WH F M C F SS									
0000	0000	SHR <i>Shear</i> MO SH SH C F W S S O C SH C C F SS									
		Structure Maj.:									
		Type/Core Angle									
		Comment									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-015

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	APL Aplite Dike Sill of fine to medium grained, medium to coarse grained, hornblende, quartz, plagioclase, and biotite. Some areas contain small amounts of magnetite and ilmenite. The rock is generally light to medium grey in color and has a fine to medium grained texture. The rock is generally light to medium grey in color and has a fine to medium grained texture.									
		Alteration Maj: Type/Style/Intensity Comment Hornblende									
		Structure Maj: Type/Core Angle Comment C									
0.00	0.00	FRZ Fracture Zone Fracture zone containing fine to medium grained, medium to coarse grained, hornblende, quartz, plagioclase, and biotite. The rock is generally light to medium grey in color and has a fine to medium grained texture. The rock is generally light to medium grey in color and has a fine to medium grained texture.									
		Alteration Maj: Type/Style/Intensity Comment Hornblende									
		Structure Maj: Type/Core Angle Comment F SH									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-015

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	SHR Shear									
		MO... SH... MO... S... H... OC... CO... SH... C... CH... S OF S... SH... MO... W... H C... S OF W... O... C SH... C... F... S... SC... H... HO... MOS... O... F... S									
		Alteration Maj:									
		Type/Style/Intensity									
		Comment									
		H... S									
		Structure Maj.:									
		Type/Core Angle									
		Comment									
		SH... C...									
0.00	0.00	SCHS Sericite Schist									
		S... C... SCH... S... SH... C... F... S... C F... O... W... CH... W... H... F... O... F... OW... SH... S... C... CH... W... H... F... C... S... C... O... C H... M... C... S... S... S... C... C... S... S... SM... W... H... S... C... SCH... S... M... W... C... W... H... O...									
		Alteration Maj:									
		Type/Style/Intensity									
		Comment									
		CH... F... W... S... S...									
		Mineralization Maj. :									
		Type/Style/%Mineral									
		Comment									
		S... S...									
		Structure Maj.:									
		Type/Core Angle									
		Comment									
		SH... ... SH...									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-015

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	QMON Quartz Monzonite S.M. S.O.	000000	0.00	0.00	0.00					
0.00	0.00	VQTZ Quartz Vein CM W. SH. CO. C. S. C. W. C. W. CH. O. O. M. S. O. M.	000000	0.00	0.00	0.00					
		Alteration Maj:									
		Type/Style/Intensity CH F W C O M									
		Structure Maj.:									
		Type/Core Angle C C									
0.00	0.00	QMON Quartz Monzonite S.M. S. O. OH	000000	0.00	0.00	0.00					

DRILL HOLE REPORT

Hole Identifier **TPK-11-016**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

Drilling	Casing	Core	Location	Other
Azimuth: 000	Length: 0	Dimension: 00	Township: W000O00M	Logged by: Sarah Miller
Dip: 000	Pulled:	Storage: 0OW0000S	Claim No.:	Relog by:
Length: 000	Capped: Yes	Section:	NTS: 00000	Contractor: 000000 00O0H00S
Started: 00Fe0000	Cemented:	Hole Type 00	Hole: S00F0C0	Spotted by: Sarah Miller
Completed: 00Fe0000				Surveyed:
Logged: 00Fe0000				Surveyed by: Sarah Miller
Comment: 0000n intersected at 0000000000m WH00 000F00C000000000C0 F0 0SS 000CH00 00O00 O000 F00C0000S0000000000M 000CC0000 000 000 H0M0000 000 MO0O000			Coordinate - Gemcom	Geophysics:
			East: 000000	Geophysic Contractor:
			North: 0000000	Left in hole:
			Elev.: 000	Making water:
			Zone: 000 NAD: 00000	Multi shot survey: Yes

Deviation Tests

Distance	Azimuth	Dip	Type	Good	Comments
0000	000000	000000	C	<input checked="" type="checkbox"/>	
0000	000000	000000	F	<input checked="" type="checkbox"/>	
0000	000000	000000	F	<input checked="" type="checkbox"/>	
0000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-016

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	CAS Casing									
0.00	0.00	QMON Quartz Monzonite Silty to sandy quartz monzonite with fine to medium grained quartz and feldspar. Contains small amounts of biotite and hornblende. Matrix is fine to medium grained quartz monzonite.									
0.00	0.00	QMON Quartz Monzonite Medium to coarse grained quartz monzonite with fine to medium grained quartz and feldspar. Contains small amounts of biotite and hornblende. Matrix is medium to coarse grained quartz monzonite.									
0.00	0.00	SHR Shear Medium to coarse grained shear zone with fine to medium grained quartz and feldspar. Contains small amounts of biotite and hornblende. Matrix is medium to coarse grained quartz monzonite.									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-016

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		Mineralization Maj. : Type/Style/%Mineral Comment									
		Structure Maj.: Type/Core Angle Comment									
10.00	10.50	QMON Quartz Monzonite MO O C WH F M MO M F C O CO H F S	100000	10.00	10.50	0.50					
10.50	10.50	APL Aplite Dike CM W O M O SH C CO C S	100000	10.50	10.50	0.00					
		Structure Maj.: Type/Core Angle Comment									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-016

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
----------	--------	-----------	----------	------	----	--------	----------	---------	----------	----------	-----------

0000 00000 H 0 W

Structure Maj: **Type/Core Angle** **Comment**

0000 00000 C 00
 0000 00000 SH 00
 0000 00000 C 00

0000 0000 **QMON Quartz Monzonite**
 000 MO 00 0000000000 C 000 WH 000 F 0 M 0 MO 00 M F C 00 0000 CO 000000 0 H 00 F 000 S 000

0000 0000 **VQTZ Quartz Vein** 0000000 00000 00000 0000 0 0 0 0
 C 00 S 000 OF 000 S 000 00000 S 000 O 000 00000 000 000 H 0 M 00000 0000 F 0 W 0000 S OF MO 0
 MO 0000000 C 000 0000 CO 0000 C S 000 C 0

Alteration Maj: **Type/Style/Intensity** **Comment**

0000 00000 H 0 0 S
 0000 00000 00 0 S

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-016

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.50	SHR Shear Siltstone SH...SH... CO...CS...W... C... H... FO...M OF S...S...W...MO...H...M... F...C...	000001	0.00	0.50	0.50					
		Alteration Maj: Type/Style/Intensity Comment H... WM	000002	0.00	0.50	0.50					
		Structure Maj.: Type/Core Angle Comment SH...	000003	0.00	0.50	0.50					
0.50	1.00	QMON Quartz Monzonite MO... CO S...O... H...M... MO...O...F...M...MO...M...F...C...O... CO...H...F...S...F...W...SM...S...C...OSSC...O...CM...W...	000004	0.50	1.00	0.50					
		Alteration Maj: Type/Style/Intensity Comment H... WM	000005	0.50	1.00	0.50					
1.00	1.50	SHR Shear MO...SH...SH... C...MO... CH...O...W... C...W... S...S... F...SS...C...SH...C...O...F... ...	000006	1.00	1.50	0.50					

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-016

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>QMON Quartz Monzonite</p> <p>White to light grey medium to coarse grained monzonitic quartz monzonite. Fine grained feldspar.</p>									
		<p>SHR Shear</p> <p>Shear zone consisting of fine to medium grained quartz monzonite with a well developed schistosity. Contains fine grained feldspar and quartz.</p>									
		<p>QMON Quartz Monzonite</p> <p>Light grey to white medium to coarse grained monzonitic quartz monzonite. Fine grained feldspar and quartz.</p>									
		<p>VQTZ Quartz Vein</p> <p>White to light grey fine grained quartz vein. Contains fine grained feldspar and quartz.</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-016

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
-------------	-----------	-----------	----------	------	----	--------	-------------	------------	-------------	-------------	--------------

00000 00000 **QMON Quartz Monzonite**
 MO... .. SO S... .. H... .. MO... .. S... .. H... .. WH... ..
 S... .. S... .. O... .. S... .. CM W... .. M... .. F... .. O... .. H... .. CH... .. M... .. W... ..
 CH... .. O... .. O... .. CO... .. C... .. S

00000 00000 **SHR Shear**
 MO... .. SH... .. SH... .. C... .. O... .. SOM... .. S... .. C... .. S... .. O... ..
 MO... .. CH... .. O... .. H... .. MO... .. O... .. CO... .. C... .. S... .. C... .. S... ..
 C... .. F... .. SS

00000 00000 **QMON Quartz Monzonite**
 MO... .. O... .. W... .. FO... .. O... .. C... .. W... .. H... .. MO... .. O... ..
 CO... .. C... .. S... .. S... .. S... .. C... .. O... .. M... ..

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-016

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
-------------	-----------	-----------	----------	------	----	--------	-------------	------------	-------------	-------------	--------------

00000 00000 **SHR Shear**
 MO... SH... SH... C... M... F... C... O...
 SH... C... O... F... C... F... W... S... S... W... CH... O... C...
 ... F... SS ... O... CO... C... S... C... S...

00000 00000 **QMON Quartz Monzonite**
 W... H... M... MO... O... C... SH... C...

00000 00000 **SHR Shear**
 MO... O... S... O... SH... SH... C... F... SS ... C... S... S...
 ... C... W... CH... O... C... SH... C... CO... C... S...

00000 00000 **QMON Quartz Monzonite**

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-016

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		W... H... M... ..									
		VQC <i>Qtz-Carb Vein</i> ...C... SH... CO...C...S ...C...CH...O... W...H... F...C...S...C... F... SS ...									
		SHR <i>Shear</i> W...MO... SH...SH... C...C... F... SS ...C... S... ..S... ...O...CO...C...S...C...S... ..O...									
		QMON <i>Quartz Monzonite</i> ...MO...O... ..									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-016

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>SHR Shear</p> <p>W...MO...SH...C...F...SS...S... ...O...C...S...O...</p>									
		<p>QMON Quartz Monzonite</p> <p>...MO...O...</p>									
		<p>VQTZ Quartz Vein</p> <p>S...C...F...MO...O...S...C...O...F...SS...O... CO...C...S</p>									
		<p>QMON Quartz Monzonite</p> <p>...MO...O...</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-016

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
-------------	-----------	-----------	----------	------	----	--------	-------------	------------	-------------	-------------	--------------

00000	00000	VQTZ Quartz Vein Saturated with H ₂ O F ₂ CO ₃ SiO ₂ CaCO ₃ Fe ₂ SiO ₄ SS CaCO ₃ SH ₂ CO ₂ CaCO ₃									
-------	-------	---	--	--	--	--	--	--	--	--	--

00000	00000	QMON Quartz Monzonite MO ₂ O ₂ CH ₂ O OH O ₂ F ₂ CO ₃ SiOH									
-------	-------	--	--	--	--	--	--	--	--	--	--



DRILL HOLE REPORT

Hole Identifier TPK-11-017

Project TPK ROWLANDSON LAKE

Project Identifier 001

Drilling	Casing	Core	Location	Other
Azimuth: 000	Length: 0	Dimension:	Township: W000O00M	Logged by: Sarah Miller
Dip: 000	Pulled:	Storage: 0OW000S	Claim No.:	Relog by:
Length: 000	Capped: es	Section:	NTS: 00000	Contractor: 000000 00O0H00S
Started: 00Fe0000	Cemented:	Hole Type 00	Hole: S00F0C0	Spotted by: Sarah Miller
Completed: 00Fe0000				Surveyed:
Logged: 00Fe0000				Surveyed by: Sarah Miller
Comment: 000 00 0000S0C000 00 00000000M0000CC0000 WH00 000 000 000 MO00O00000 MO000000 H0M0000 0000CH0O 00000000 F0 0SS 000F00C0000000C 000C000C 0000000O000W0H 000 S0000000S 000 000CC0000			Coordinate - Gemcom	Coordinate - UTM
			East: 000000	East: 000000
			North: 000000	North: 000000
			Elev.: 000	Elev.: 000
			Zone: 000	NAD: 00000
				Geophysics:
				Geophysic Contractor:
				Left in hole:
				Making water:
				Multi shot survey: es

Deviation Tests

Distance	Azimuth	Dip	Type	Good	Comments
0000	000000	000000	C	<input checked="" type="checkbox"/>	
0000	000000	000000	F	<input checked="" type="checkbox"/>	
0000	000000	000000	F	<input checked="" type="checkbox"/>	
0000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-017

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	CAS <i>Casing</i>									
0.00	0.00	QMON <i>Quartz Monzonite</i> MOO C WH F M H C S S SM									
0.00	0.00	APL <i>Aplite Dike</i> F SM F S SH C CO C S									
0.00	0.00	SHR <i>Shear</i> MO SH SH C S O F SS F W S S W C O CO C S									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-017

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		QMON Quartz Monzonite Fine to medium grained quartz monzonite with interlocking quartz and feldspar, minor hornblende and biotite.									
		SHR Shear Shear zone with fine to medium grained quartz, feldspar, and biotite.									
		QMON Quartz Monzonite Fine to medium grained quartz monzonite with interlocking quartz and feldspar, minor hornblende and biotite.									
		SHR Shear Shear zone with fine to medium grained quartz, feldspar, and biotite.									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-017

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
-------------	-----------	-----------	----------	------	----	--------	-------------	------------	-------------	-------------	--------------

Sandstone with silty shale and siltstone

QMON Quartz Monzonite
Medium to coarse grained monzonite with quartz and feldspar

VQTZ Quartz Vein
Thin to medium width quartz veins with siliceous matrix

QMON Quartz Monzonite

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-017

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	VQTZ Quartz Vein F C H O C F S S									
0000	0000	QMON Quartz Monzonite M O W H W C H M									
0000	0000	FLTG Fault Gouge (Open) O S H C C S F C S O C H O S H C C O C S									
0000	0000	FRZ Fracture Zone F C O W O M H M O C F C H O C C O O F C S									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-017

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	QMON Quartz Monzonite 000 MO00O0000000000000									
00000	00000	SHR Shear W000 SH000SH00000 000C00000000(O000 CO000C0S0000C0 F0 0SS 00									
00000	00000	QMON Quartz Monzonite 000 MO00O0000000000000									
00000	00000	VQTZ Quartz Vein									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-017

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>CCWH MO OMO HMO CHO</p> <p>F SS F C C C O W H S S</p> <p>CC</p>									
		<p>QMON Quartz Monzonite</p> <p>MO O</p>									
		<p>SHR Shear</p> <p>W SH C S O SH C O C S C</p> <p>F SS</p>									
		<p>QMON Quartz Monzonite</p> <p>MO O</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-017

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
-------------	-----------	-----------	----------	------	----	--------	-------------	------------	-------------	-------------	--------------

00000 00000 **SHR Shear**
 W000 SH000SH00000 000C0000CH0 S00C0F0C000O00W000 CH0O0C000 000000 F0 00SS
 000000 0S0000000000O000 CO000C0S000OSS0000 C00S000 OF 0000SH 00OW0
 S00SS000000 000000S

00000 00000 **QMON Quartz Monzonite**
 W000 000CH0 H0M00000 00000000 0O00000 M0F0C 000O00HS 00 0O 0CM W00000OH

DRILL HOLE REPORT

Hole Identifier **TPK-11-018**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

Drilling	Casing	Core	Location	Other
Azimuth: 000	Length: 0	Dimension: 00	Township: W000O00M	Logged by: Sarah Miller
Dip: 000	Pulled: no	Storage: 0OW0000S	Claim No.:	Relog by:
Length: 000	Capped: Yes	Section:	NTS: 00000	Contractor: 000000 00O0H00S
Started: 00Feb000	Cemented:	Hole Type 00	Hole: S00F0C0	Spotted by: Sarah Miller
Completed: 00Mar000				Surveyed:
Logged: 00Feb000				Surveyed by: Sarah Miller
Comment:	Shear zone intersected at 0000000m sheared 000C0000stringers000 0S00 and 000 000shear zone at 00000000m sheared 000C0000 00 and trace 0S000Fault with 000n at 000000000m with trace p and contacts at 00000C00shear zone at 0000000000 sheared 00000C0000stringers 00 000semi-massive p near 0C		Coordinate - Gemcom	Coordinate - UTM
			East: 000000	East: 000000
			North: 0000000	North: 0000000
			Elev.: 000	Elev.: 000
			Zone: 000	NAD: 00000
				Geophysics:
				Geophysic Contractor:
				Left in hole:
				Making water:
				Multi shot survey: Yes

Deviation Tests

Distance	Azimuth	Dip	Type	Good	Comments
0000	000000	000000	C	<input checked="" type="checkbox"/>	
0000	000000	000000	F	<input checked="" type="checkbox"/>	
0000	000000	000000	F	<input checked="" type="checkbox"/>	
0000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-018

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>VQTZ Quartz Vein SH COCS S CH O WH FCS S C</p> <p>Structure Maj.: Type/Core Angle Comment C C</p>									
		<p>QMON Quartz Monzonite C WH F M H C S S C F SS</p>									
		<p>VQTZ Quartz Vein WH CM OF SH MO O M S C SH C CH O WH FCS S F SS</p> <p>Mineralization Maj.: Type/Style/%Mineral Comment S</p> <p>Structure Maj.: Type/Core Angle Comment</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-018

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		Structure Maj.: SH									
		Type/Core Angle SH									
		Comment SH									
		QMON Quartz Monzonite									
		SH									
		SH									
		SH									
		SHR Shear									
		SH									
		SH									
		SH									
		SH									
		Mineralization Maj. :									
		SH									
		SH									
		Structure Maj.:									
		SH									
		SH									
		SH									
		SH									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-018

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	SHR Shear CM W SH SH C C C O S S M OF SH C C F SS S Mineralization Maj. : Type/Style/%Mineral Comment S S S S Structure Maj.: Type/Core Angle Comment SH									
0000	0000	QMON Quartz Monzonite C WH F M H C S S C F SS									
0000	0000	SHR Shear S O SH SH C SH C CO S C S S C S S Mineralization Maj. : Type/Style/%Mineral Comment S S S S Structure Maj.: Type/Core Angle Comment SH									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-018

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
			000000	000000	000000	0000		0	0	0	0
			000000	000000	000000	0000		0	0	0	0
			000000	000000	000000	0000		0	0	0	0
			000000	000000	000000	0000		0	0	0	0
			000000	000000	000000	0000		0	0	0	0
			000000	000000	000000	0000		0	0	0	0
000000	000000	VQTZ Quartz Vein 000 000SH000 CO000C0S 000C00000C0 F0 0SS 000CH0O0 W0H0 F0C0000S									
		Structure Maj.:									
			000000 000000	0C	00						
			000000 000000	0C	00						
000000	000000	QMON Quartz Monzonite 000C0 000 WH000F0 M0000H00000C0S000S00000 000C0 F0 0SS	000000	000000	000000	0000		0	0	0	0
			000000	000000	000000	0000		0	0	0	0
			000000	000000	000000	0000		0	0	0	0
			000000	000000	000000	0000		0	0	0	0
			000000	000000	000000	0000		0	0	0	0
			000000	000000	000000	0000		0	0	0	0
000000	000000	VQTZ Quartz Vein 000 000SH000 CO000C0S 000C00000C0 F0 0SS 000CH0O0 W0H0 F0C0000S									
		Structure Maj.:									
			000000 000000	0C	00						

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-018

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		WH... OF... CO... W... CH... W... F... F... S... H... M... ... O... M... S... F... S... OF ...									
		QMON Quartz Monzonite ... C... WH... F... M... H... C... S... S... C... F... S...									
		FLTG Fault Gouge (Open) F... O... S... S... S... O... CM W... OC... S... O... CH... C... SH... O... F... C... C... C... F... S...									
		Structure Maj.:									
		Type/Core Angle									
		Comment									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-018

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	FRZ <i>Fracture Zone</i> Fossiliferous calcareous sandstone with chert nodules and fossiliferous sandstone	TPK11018-001	0.00	0.00	0.00					
0.00	0.00	QMON <i>Quartz Monzonite</i> Sandy monzonite with fossiliferous calcareous sandstone and fossiliferous sandstone <i>Alteration Maj: Type/Style/Intensity Comment</i> H S	TPK11018-002	0.00	0.00	0.00					
0.00	0.00	APL <i>Aplite Dike</i> Aplite dike with fossiliferous calcareous sandstone and fossiliferous sandstone SHale calcareous sandstone with fossiliferous calcareous sandstone	TPK11018-003	0.00	0.00	0.00					

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-018

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	QMON Quartz Monzonite Fine to medium grained quartz monzonite with scattered clinopyroxene and hornblende. Felsic to intermediate.	TPK11018-001	0.00	0.00	0.00	0	0	0	0	0
0.00	0.00	SHR Shear Medium to coarse grained shear zone with chlorite and sericite. Felsic to intermediate.	TPK11018-002	0.00	0.00	0.00	0	0	0	0	0
0.00	0.00	SHR Shear Medium to coarse grained shear zone with chlorite and sericite. Felsic to intermediate.	TPK11018-003	0.00	0.00	0.00	0	0	0	0	0
0.00	0.00	SHR Shear Medium to coarse grained shear zone with chlorite and sericite. Felsic to intermediate.	TPK11018-004	0.00	0.00	0.00	0	0	0	0	0
0.00	0.00	SHR Shear Medium to coarse grained shear zone with chlorite and sericite. Felsic to intermediate.	TPK11018-005	0.00	0.00	0.00	0	0	0	0	0
0.00	0.00	SHR Shear Medium to coarse grained shear zone with chlorite and sericite. Felsic to intermediate.	TPK11018-006	0.00	0.00	0.00	0	0	0	0	0
0.00	0.00	SHR Shear Medium to coarse grained shear zone with chlorite and sericite. Felsic to intermediate.	TPK11018-007	0.00	0.00	0.00	0	0	0	0	0
0.00	0.00	SHR Shear Medium to coarse grained shear zone with chlorite and sericite. Felsic to intermediate.	TPK11018-008	0.00	0.00	0.00	0	0	0	0	0
0.00	0.00	SHR Shear Medium to coarse grained shear zone with chlorite and sericite. Felsic to intermediate.	TPK11018-009	0.00	0.00	0.00	0	0	0	0	0
0.00	0.00	SHR Shear Medium to coarse grained shear zone with chlorite and sericite. Felsic to intermediate.	TPK11018-010	0.00	0.00	0.00	0	0	0	0	0

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-018

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		MOS									
		<p>Structure Maj.:</p> <p>Structure 1: Type/Core Angle: C</p> <p>Structure 2: Type/Core Angle: C</p>									
		<p>SHR Shear</p> <p>Weak shear zone consisting of fine-grained quartz and feldspar with minor chlorite and calcite.</p>									
		<p>Mineralization Maj.:</p> <p>Chlorite</p>									
		<p>Structure Maj.:</p> <p>Structure 1: Type/Core Angle: SH</p>									
		<p>QMON Quartz Monzonite</p> <p>Fine-grained quartz monzonite with minor chlorite and feldspar.</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-018

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.50	QMON Quartz Monzonite Fine to medium grained quartz monzonite with coarse to fine grained feldspar and quartz.	TPK11018-001	0.00	0.50	0.50	0	0	0	0	0
0.50	1.00	QMON Quartz Monzonite Coarse to medium grained quartz monzonite with fine to coarse grained feldspar and quartz.	TPK11018-002	0.50	1.00	0.50	0	0	0	0	0
1.00	1.50	QMON Quartz Monzonite Fine to medium grained quartz monzonite with coarse to fine grained feldspar and quartz.	TPK11018-003	1.00	1.50	0.50	0	0	0	0	0
1.50	2.00	QMON Quartz Monzonite Medium to coarse grained quartz monzonite with fine to coarse grained feldspar and quartz.	TPK11018-004	1.50	2.00	0.50	0	0	0	0	0
2.00	2.50	QMON Quartz Monzonite Fine to medium grained quartz monzonite with coarse to fine grained feldspar and quartz.	TPK11018-005	2.00	2.50	0.50	0	0	0	0	0
2.50	3.00	QMON Quartz Monzonite Medium to coarse grained quartz monzonite with fine to coarse grained feldspar and quartz.	TPK11018-006	2.50	3.00	0.50	0	0	0	0	0
3.00	3.50	QMON Quartz Monzonite Fine to medium grained quartz monzonite with coarse to fine grained feldspar and quartz.	TPK11018-007	3.00	3.50	0.50	0	0	0	0	0
3.50	4.00	QMON Quartz Monzonite Medium to coarse grained quartz monzonite with fine to coarse grained feldspar and quartz.	TPK11018-008	3.50	4.00	0.50	0	0	0	0	0
4.00	4.50	APL Aplite Dike Fine to medium grained aplite dike with coarse to fine grained feldspar and quartz.	TPK11018-009	4.00	4.50	0.50	0	0	0	0	0
4.50	5.00	APL Aplite Dike Medium to coarse grained aplite dike with fine to coarse grained feldspar and quartz.	TPK11018-010	4.50	5.00	0.50	0	0	0	0	0

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-018

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		Structure Maj.: Structure 1 Type/Core Angle C 00 Comment Structure 1									
0.00	0.00	QMON Quartz Monzonite Fine to medium grained quartz monzonite with interlocking quartz and feldspar.									
		Structure Maj.: Structure 1 Type/Core Angle SH 00 Comment Structure 1									
0.00	0.00	SHR Shear Shear zone with chlorite and quartz.									
		Structure Maj.: Structure 1 Type/Core Angle C 00 Comment Structure 1									
0.00	0.00	VQTZ Quartz Vein Quartz vein with chlorite and feldspar.									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-018

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
----------	--------	-----------	----------	------	----	--------	----------	---------	----------	----------	-----------

Mineralization Maj. : Type/Style/%Mineral Comment
 S F
 S

Structure Maj.: Type/Core Angle Comment
 SH

QMON Quartz Monzonite
 FIMHCS SHC F SS

APL Aplite Dike
 FSHCSHMO SH
 COCS CFC SS

Structure Maj.: Type/Core Angle Comment
 C
 C

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-018

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	QMON Quartz Monzonite Fine to medium grained quartz monzonite with interlocking quartz and feldspar, minor hornblende and biotite. Contains small amounts of magnetite and ilmenite.	TPK11018-001	0.00	0.00	0.00					
0.00	0.00	APL Aplite Dike Slightly to medium grained aplite with perthite and quartz. Contains small amounts of magnetite and ilmenite.	TPK11018-002	0.00	0.00	0.00					
0.00	0.00	QMON Quartz Monzonite Fine to medium grained quartz monzonite with interlocking quartz and feldspar, minor hornblende and biotite. Contains small amounts of magnetite and ilmenite.	TPK11018-003	0.00	0.00	0.00					
0.00	0.00	APL Aplite Dike Slightly to medium grained aplite with perthite and quartz. Contains small amounts of magnetite and ilmenite.	TPK11018-004	0.00	0.00	0.00					

Structure Maj.:	Type/Core Angle	Comment
0.00	0.00	
0.00	0.00	

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-018

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		Structure Maj.: □□□□□ □□□□□□ □□□□□ □□□□□□ Type/Core Angle □C □□ □C □□ Comment									
□□□□□	□□□□□	QMON Quartz Monzonite F□M□□□□H□□□□□C□□S□□□S□□□□□ □□□C□ F□ □SS									



DRILL HOLE REPORT

Hole Identifier TPK-11-019

Project TPK ROWLANDSON LAKE

Project Identifier 001

Drilling	Casing	Core	Location	Other
Azimuth:	Length:	Dimension:	Township: W	Logged by: Sarah Miller
Dip:	Pulled:	Storage: OW	Claim No.:	Relog by:
Length:	Capped: es	Section:	NTS:	Contractor: OH
Started: Mar	Cemented:	Hole Type	Hole: SFC	Spotted by: Sarah Miller
Completed: Mar				Surveyed:
Logged: Mar				Surveyed by: Sarah Miller
Comment: m S O S C SH C F SS m S O S C SH C F SS F LOO O H F OF H CO M			Coordinate - Gemcom	Coordinate - UTM
			East:	East:
			North:	North:
			Elev.:	Elev.:
				Zone: NAD:
				Geophysics:
				Geophysic Contractor:
				Left in hole:
				Making water:
				Multi shot survey: es

Deviation Tests

Distance	Azimuth	Dip	Type	Good	Comments
			C	<input checked="" type="checkbox"/>	
			F	<input checked="" type="checkbox"/>	
			F	<input checked="" type="checkbox"/>	
			F	<input checked="" type="checkbox"/>	
			F	<input checked="" type="checkbox"/>	
			F	<input checked="" type="checkbox"/>	
			F	<input checked="" type="checkbox"/>	
			F	<input checked="" type="checkbox"/>	
			F	<input checked="" type="checkbox"/>	

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-019

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	CAS Casing Casing									
0.00	0.00	QMON Quartz Monzonite Coarse grained quartz monzonite with orthoclase, quartz, plagioclase, biotite, hornblende, and ilmenite. Occasional magnetite and apatite. Slightly to moderately altered.	001	0.00	0.00	0.00					
0.00	0.00	SHR Shear Shear zone with chlorite, quartz, and calcite. Slightly to moderately altered.	002	0.00	0.00	0.00					
		Mineralization Maj. : Type/Style/%Mineral Comment									
		001 001									
		002 002									
		Structure Maj.: Type/Core Angle Comment									
		001 001									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-019

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	APL <i>Aplite Dike</i> Fine-grained to medium-grained, light-colored, crystalline, massive to blocky, composed of quartz, perthite, and albite. Some samples may contain small amounts of hematite and magnetite. The texture is generally equigranular to interlocking.	TPK-11-019-001	0.00	0.00	0.00					
		Structure Maj.: <i>Vertical</i> Type/Core Angle: <i>C 90</i> Comment: <i>Vertical</i>									
0.00	0.00	QMON <i>Quartz Monzonite</i> Medium to coarse-grained, light-colored, crystalline, massive to blocky, composed of quartz, perthite, and albite. Some samples may contain small amounts of hematite and magnetite. The texture is generally equigranular to interlocking.	TPK-11-019-002	0.00	0.00	0.00					
		Structure Maj.: <i>Vertical</i> Type/Core Angle: <i>C 90</i> Comment: <i>Vertical</i>									
0.00	0.00	APL <i>Aplite Dike</i> Fine-grained to medium-grained, light-colored, crystalline, massive to blocky, composed of quartz, perthite, and albite. Some samples may contain small amounts of hematite and magnetite. The texture is generally equigranular to interlocking.	TPK-11-019-003	0.00	0.00	0.00					
		Structure Maj.: <i>Vertical</i> Type/Core Angle: <i>C 90</i> Comment: <i>Vertical</i>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-019

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	QMON Quartz Monzonite MO O F M C WH OCC S O C S S C F SS									
0.00	0.00	APL Aplite Dike SH W MO CH O CH O W H F C S C F SS C C C C									
		Structure Maj.:									
		Type/Core Angle									
		Comment									
0.00	0.00	QMON Quartz Monzonite MO O F M C WH OCC S O C S S C F SS									

LITHOLOGY REPORT - Detailed -

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Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
10.00	10.50	APL <i>Aplite Dike</i> SH W MO CH O CH O W H F C S C F SS C C C									
		Structure Maj.: Type/Core Angle Comment C C									
10.50	11.00	QMON <i>Quartz Monzonite</i> MO O F M C WH OCC S O C S S C F SS C									
11.00	11.50	APL <i>Aplite Dike</i> SH W MO CH O CH O W H F C S C F SS C C C									
		Structure Maj.: Type/Core Angle Comment C C									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-019

Project TPK ROWLANDSON LAKE

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	QMON Quartz Monzonite MO O F M C WH OCC S O C S S C F SS O	000000	0.00	0.00	0.00					
0.00	0.00	APL Aplite Dike SH W MO CH O CH O W H F C S C F SS C C C	000000	0.00	0.00	0.00					
		Structure Maj.: Type/Core Angle Comment C C									
0.00	0.00	SHR Shear S O SH C C W CH O C F SS SH C C	000000	0.00	0.00	0.00					
		Mineralization Maj.: Type/Style/%Mineral Comment S									
		Structure Maj.: Type/Core Angle Comment SH									

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Hole Identifier TPK-11-019

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		CCCCCCCC C									
		QMON Quartz Monzonite MO O F M WH OCC S O C S S C F SS W FO O C									
		Structure Maj.: CCCCCCCC									
		Type/Core Angle: FO									
		Comment: CCCCCCCC									
		SHR Shear W SH SH C C F SS O CO C S W C C									
		Structure Maj.: CCCCCCCC									
		Type/Core Angle: SH									
		Comment: CCCCCCCC									

LITHOLOGY REPORT - Detailed -

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Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	QMON Quartz Monzonite Medium to coarse grained quartz monzonite with fine to medium grained feldspar and biotite. Alteration includes chlorite and sericite.									
		Alteration Maj: Type/Style/Intensity Comment									
		Chlorite, Sericite, Biotite, Hornblende									
		Mineralization Maj.: Type/Style/%Mineral Comment									
		Chlorite, Sericite, Biotite, Hornblende									
		Structure Maj.: Type/Core Angle Comment									
		Chlorite, Sericite, Biotite, Hornblende									
0.00	0.00	QMON Quartz Monzonite Medium to coarse grained quartz monzonite with fine to medium grained feldspar and biotite. Alteration includes chlorite and sericite.									
		Alteration Maj: Type/Style/Intensity Comment									
		Chlorite, Sericite, Biotite, Hornblende									
		Mineralization Maj.: Type/Style/%Mineral Comment									
		Chlorite, Sericite, Biotite, Hornblende									
		Structure Maj.: Type/Core Angle Comment									
		Chlorite, Sericite, Biotite, Hornblende									
0.00	0.00	QMON Quartz Monzonite Medium to coarse grained quartz monzonite with fine to medium grained feldspar and biotite. Alteration includes chlorite and sericite.									
		Alteration Maj: Type/Style/Intensity Comment									
		Chlorite, Sericite, Biotite, Hornblende									
		Mineralization Maj.: Type/Style/%Mineral Comment									
		Chlorite, Sericite, Biotite, Hornblende									
		Structure Maj.: Type/Core Angle Comment									
		Chlorite, Sericite, Biotite, Hornblende									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-019

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
----------	--------	-----------	----------	------	----	--------	----------	---------	----------	----------	-----------

0.00	0.00	QMON Quartz Monzonite MO O F M C WH OCC S O C S S C F SS	000000	0.00	0.00	0.00					
			000000	0.00	0.00	0.00					
			000000	0.00	0.00	0.00					
			000000	0.00	0.00	0.00					

0.00	0.00	VQTZ Quartz Vein F C C CH O W H F C S O O F C S W H M M SH C CO C S									
		Mineralization Maj. :	Type/Style/%Mineral	Comment							
		Structure Maj.:	Type/Core Angle	Comment							

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Hole Identifier TPK-11-019

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	SHR Shear MOSS SH SH C SH C C W H M S C F SS F W S C O S OF S O SH W H O CO C S	00000	00000	00000	000					
		Alteration Maj: Type/Style/Intensity Comment	00000	00000	00000	000					
		S W	00000	00000	00000	000					
		H W	00000	00000	00000	000					
		Mineralization Maj.: Type/Style/%Mineral Comment	00000	00000	00000	000					
		S	00000	00000	00000	000					
		Structure Maj.: Type/Core Angle Comment	00000	00000	00000	000					
		SH	00000	00000	00000	000					
		C	00000	00000	00000	000					
			00000	00000	00000	000					
			00000	00000	00000	000					
00000	00000	APL Aplite Dike H M C F SS CH O W H F C S	00000	00000	00000	000					
		Mineralization Maj.: Type/Style/%Mineral Comment									
		S									
		Structure Maj.: Type/Core Angle Comment									
		C									
00000	00000	SHR Shear MOSS SH SH C S O H M F SS	00000	00000	00000	000					
		Alteration Maj: Type/Style/Intensity Comment	00000	00000	00000	000					
		H S	00000	00000	00000	000					
		Mineralization Maj.: Type/Style/%Mineral Comment	00000	00000	00000	000					
		S	00000	00000	00000	000					

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Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		Structure Maj.: SH									
		FLTG Fault Gouge (Open) F...OC...CO...W...H...S...O...S...CH...F...O... C...W...S...C...H...M...									
		Alteration Maj: S...CH W H...CH W CH									
		Structure Maj.: F									
		SCHS Sericite Schist S...O...S...C...SH...C...F...SS...O...CO...C...S...W... H...M...									
		Alteration Maj: H...W S...S									
		Mineralization Maj. : S									
		Structure Maj.: SH									

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Hole Identifier TPK-11-019

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	QMON Quartz Monzonite W ₁₀ H ₁₀ M ₁₀ MO ₁₀ FO ₁₀ C ₁₀ F ₁₀ SS ₁₀	000000	0.00	0.00	0.00	0	0	0	0	0
		Alteration Maj: Type/Style/Intensity Comment	000000	0.00	0.00	0.00	0	0	0	0	0
		H ₁₀ W	000000	0.00	0.00	0.00	0	0	0	0	0
		Structure Maj.: Type/Core Angle Comment	000000	0.00	0.00	0.00	0	0	0	0	0
		FO ₁₀	000000	0.00	0.00	0.00	0	0	0	0	0
0.00	0.00	QMON Quartz Monzonite W ₁₀ O ₁₀ MO ₁₀ H ₁₀ M ₁₀	000000	0.00	0.00	0.00	0	0	0	0	0
		Alteration Maj: Type/Style/Intensity Comment	000000	0.00	0.00	0.00	0	0	0	0	0
		H ₁₀ WM	000000	0.00	0.00	0.00	0	0	0	0	0
			000000	0.00	0.00	0.00	0	0	0	0	0
			000000	0.00	0.00	0.00	0	0	0	0	0
			000000	0.00	0.00	0.00	0	0	0	0	0
			000000	0.00	0.00	0.00	0	0	0	0	0
			000000	0.00	0.00	0.00	0	0	0	0	0
			000000	0.00	0.00	0.00	0	0	0	0	0
			000000	0.00	0.00	0.00	0	0	0	0	0
			000000	0.00	0.00	0.00	0	0	0	0	0



DRILL HOLE REPORT

Hole Identifier TPK-11-020

Project TPK ROWLANDSON LAKE

Project Identifier 001

Drilling	Casing	Core	Location	Other
Azimuth: 000	Length: 0	Dimension: 00	Township: W000O00M	Logged by: Sarah Miller
Dip: 000	Pulled:	Storage: 0OW0000S	Claim No.:	Relog by:
Length: 000	Capped: es	Section:	NTS: 00000	Contractor: 000000 00O0H00S
Started: 00Mar00	Cemented:	Hole Type 00	Hole: S00F0C0	Spotted by: Sarah Miller
Completed: 00Mar00				Surveyed:
Logged: 00Mar00				Surveyed by: Sarah Miller
Comment: S00000 SH000S 000 F00C0000 0O00S000C000 S000C000 000 0S S000 0 0000 HO00 0000000000			Coordinate - Gemcom	Geophysics:
			East: 000000	Geophysic Contractor:
			North: 0000000	Left in hole:
			Elev.: 000	Making water:
			Zone: 000 NAD: 00000	Multi shot survey: es

Deviation Tests

Distance	Azimuth	Dip	Type	Good	Comments
0000	000000	000000	C	<input checked="" type="checkbox"/>	
0000	000000	000000	F	<input checked="" type="checkbox"/>	
0000	000000	000000	F	<input checked="" type="checkbox"/>	
0000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-020

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	CAS Casing									
0.00	0.00	QMON Quartz Monzonite C F WH F O F S C S C F SS OCCS O CH O MOS O O F C S									
0.00	0.00	SHR Shear SH C C C C C F SS SH CO C S C									
0.00	0.00	QMON Quartz Monzonite C F WH F O F S C S C F SS OCCS O CH O MOS O O F C S W FO O C									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-020

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0000	0000	SHR Shear SH000000 000C000CM W000 000000 0000 00 0C0SH000 0C 000C000C 00 0C0									
0000	0000	QMON Quartz Monzonite 000C0 000 WH000F000O0000F000S000 000 000 C00S000S000000 000C0 F0 00SS 000 OCC0S000CH000 000 MOS000 00000 O000 F00C0000S									
0000	0000	SHR Shear SH000000 000C00C000 000000CM W000 000 S0000000 00 0C0SH000 000C0 CO000C0S									
0000	0000	QMON Quartz Monzonite 000C0 000 WH000F000O0000F000S000 000 000 C00S000S000000 000C0 F0 00SS 000									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-020

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		OCCS:O CH MOS O O FCS									
		SHR <i>Shear</i> SH C O F C CO C S C C F SS									
		QMON <i>Quartz Monzonite</i> C WH F O F S C S S C F SS OCCS:O CH MOS O O FCS									
		APL <i>Aplite Dike</i> WH H C SM O F S H OC S S O H C C F SS CH O W H F C S C C									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-020

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>QMON Quartz Monzonite</p> <p>Coarse to medium grained, white to pinkish, fine to medium grained, quartz monzonite. Contains small amounts of biotite, hornblende, and plagioclase. Occasional chlorite and muscovite. Feldspar is common.</p>									
		<p>APL Aplite Dike</p> <p>Small, light-colored, fine-grained, aplite dike. Contains small amounts of biotite and hornblende. Feldspar is common.</p>									
		<p>QMON Quartz Monzonite</p> <p>Coarse to medium grained, white to pinkish, fine to medium grained, quartz monzonite. Contains small amounts of biotite, hornblende, and plagioclase. Occasional chlorite and muscovite. Feldspar is common.</p>									
		<p>APL Aplite Dike</p> <p>Small, light-colored, fine-grained, aplite dike. Contains small amounts of biotite and hornblende. Feldspar is common.</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-020

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>APL Aplite Dike</p> <p>White crystalline calcic aplite with quartz and perthite.</p>									
		<p>QMON Quartz Monzonite</p> <p>Medium to coarse grained quartz monzonite with perthite and quartz. Contains small amounts of magnetite and ilmenite.</p>									
		<p>SHR Shear</p> <p>Shear zone with chlorite, quartz, and perthite.</p>									
		<p>QMON Quartz Monzonite</p> <p>Medium to coarse grained quartz monzonite with perthite and quartz.</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-020

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	QMON Quartz Monzonite C WH F O F S C S S C F SS OCCS O CH O MOS O O F C S									
0.00	0.00	APL Aplite Dike H C S C F SS CO C S C									
0.00	0.00	QMON Quartz Monzonite C WH F O F S C S S C F SS OCCS O CH O MOS O O F C S									
0.00	0.00	APL Aplite Dike OSS CH O O MOS O F O MSS WH F S O O C S S SH C C C O M									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-020

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	SHR Shear SH000000 000C00CH00 000 C000 000SH000 000C0 CO000C0S00000 F0 0:SS 00									
0.00	0.00	QMON Quartz Monzonite 000C0 000 WH000F000O0000F000S000 000 000 C00S000S000000 000C0 F0 0:SS 000 OCC0S:O000 CH000 000 MOS000 00000 O000 F00C0000S									
0.00	0.00	SHR Shear SH000000 000C00F00C0000000CH000 000 C000 00000000C0 0O 0000 000SH000 000C0 CO000C0S									
0.00	0.00	QMON Quartz Monzonite 000C0 000 WH000F000O0000F000S000 000 000 C00S000S000000 000C0 F0 0:SS 000 OCC0S:O000 CH000 000 MOS000 00000 O000 F00C0000S									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-020

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
-------------	-----------	-----------	----------	------	----	--------	-------------	------------	-------------	-------------	--------------

00000 00000 **SHR Shear**
SH00000 000C00C000 000 CH00 0000000C0 000SH000 CO000C0S 00 000C0

00000 00000 **QMON Quartz Monzonite**
000C0 000 WH000F0 000O0000F000S000 000 000 C00S000S000000 000C0 F0 00SS 000
OCC0S0000 CH00 000 MOS000 000O00 O000 F00C00000S

00000 00000 **SHR Shear**
SH00000 000C00CH00 000 C000 0000000C0 F0 00SS 000SH000 F00C00000 CO000C0S
00 000C0

LITHOLOGY REPORT - Detailed -

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Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
-------------	-----------	-----------	----------	------	----	--------	-------------	------------	-------------	-------------	--------------

00000 00000 **QMON Quartz Monzonite**
 000C 000 WH 000F 000O 000F 000S 000 000 C 000S 000S 00000 000C F 000SS 000
 OCCS O 000 CH O 000 MOS 000 O 000 O 000 F 000C 000S

00000 00000 **SHR Shear**
 SH 00000 000C 00000C F 000SS 000CH O 000 C 000 000SM 000 CM W 000 000CH OF 000
 0000 000C SH 000 000C 000C 000000O 000

00000 00000 **QMON Quartz Monzonite**
 000C 000 WH 000F 000O 000F 000S 000 000 C 000S 000S 00000 000C F 000SS 000
 OCCS O 000 CH O 000 MOS 000 O 000 O 000 F 000C 000S

00000 00000 **SHR Shear**

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-020

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		SH SiO_2 CaCO_3 CH_2O Fe SS C C O									
		QMON Quartz Monzonite C WH F O F S C S C F SS OCC S O CH O MOS O F C S									
		SHR Shear SH C C CH_2O O CO C S C									
		QMON Quartz Monzonite C WH F O F S C S C F SS OCC S O CH O MOS O F C S									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-020

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>SHR Shear</p> <p>SH...C...S...C...F...SS...W...S...C... C...C...O...</p>									
		<p>QMON Quartz Monzonite</p> <p>C...WH...F...O...F...S...C...S...S...C...F...SS... OCCS...O...CH...O...MOS...O...O...F...C...S</p>									
		<p>SHR Shear</p> <p>W...O...MO...SH...C...F...SS...O...CO...C...S...SH...C...</p>									
		<p>QMON Quartz Monzonite</p> <p>C...WH...F...O...F...S...C...S...S...C...F...SS... OCCS...O...CH...O...MOS...O...O...F...C...S</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-020

Project TPK ROWLANDSON LAKE

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>SHR Shear</p> <p>SH... MO... H...M... F...C...CH...O... SH... F...C... CO...C...S...O...C...</p>									
		<p>FRZ Fracture Zone</p> <p>F...C... O...MO... H...M... OC... CO...CH...O... O... O... F...C... ...S</p>									
		<p>QMON Quartz Monzonite</p> <p>C... WH...F...O...F...S... C...S...S...C... F... (SS) ... OCC...S...O...CH...O... MOS... O... O... F...C...S</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-020

Project TPK ROWLANDSON LAKE

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	QMON Quartz Monzonite Sandy H.M. quartzite with calcic siltstone and silty sandstone. HO									
0.00	0.00	FRZ Fracture Zone Fracture zone with calcic sandstone and silty sandstone. CH									
0.00	0.00	QMON Quartz Monzonite MO H.M. quartzite									
0.00	0.00	SHR Shear SH C.C. W.S.C.									

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Hole Identifier **TPK-11-020**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
-------------	-----------	-----------	----------	------	----	--------	-------------	------------	-------------	-------------	--------------

00000	00000	QMON <i>Quartz Monzonite</i> C WH F O F S C S S C F SS OCCS O CH O MOS O O F C S									
-------	-------	---	--	--	--	--	--	--	--	--	--

00000	00000	SHR <i>Shear</i> SH C C W S C									
-------	-------	---	--	--	--	--	--	--	--	--	--

00000	00000	QMON <i>Quartz Monzonite</i> C WH F O F S C S S C F SS OCCS O CH O MOS O O F C S									
-------	-------	---	--	--	--	--	--	--	--	--	--

00000	00000	FRZ <i>Fracture Zone</i>									
-------	-------	---------------------------------	--	--	--	--	--	--	--	--	--

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-020

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
-------------	-----------	-----------	----------	------	----	--------	-------------	------------	-------------	-------------	--------------

00000 00000 **SHR** *Shear*
 MOSSY SH (SH) C C SH C S
 O C F SS

00000 00000 **QMON** *Quartz Monzonite*
 C WH F O F S C S C F SS
 OCCS O CH O MOS O O F C S

00000 00000 **SHR** *Shear*
 MOSSY SH (SH) C O C S F SS CH O
 W H M C

00000 00000 **QMON** *Quartz Monzonite*

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-020

Project TPK ROWLANDSON LAKE

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>SHR Shear</p> <p>SH... WH... F... O... F... S... C... S... S... C... F... SS... OCC... O... CH... MOS... O... O... F... C... S...</p>									
		<p>QMON Quartz Monzonite</p> <p>SH... WH... F... O... F... S... C... S... S... C... F... SS... OCC... O... CH... MOS... O... O... F... C... S...</p>									
		<p>VQTZ Quartz Vein</p> <p>WH... WH... C... C... C... CH... O... M... S... C... F... SS... O... M... S...</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-020

Project TPK ROWLANDSON LAKE

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	APL <i>Aplite Dike</i> Fine to medium grained, white, crystalline, feldspar and quartz, with some biotite and hornblende.									
00000	00000	QMON <i>Quartz Monzonite</i> White to light grey, medium to coarse grained, quartz monzonite.									

DRILL HOLE REPORT

Hole Identifier **TPK-11-021**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

Drilling	Casing	Core	Location	Other
Azimuth: 000	Length: 0	Dimension: 00	Township: W000O00M	Logged by: Sarah Miller
Dip: 000	Pulled:	Storage: 0OW0000S	Claim No.:	Relog by:
Length: 000	Capped: Yes	Section:	NTS: 00000	Contractor: 000000 00O0H00S
Started: 00Mar000	Cemented:	Hole Type 00	Hole: S00F0C0	Spotted by: Sarah Miller
Completed: 00Mar000				Surveyed:
Logged: 00Mar000				Surveyed by: Sarah Miller
Comment:	Several shears intersected most notable ones 00000000m sheared 000C00000 asp0000000000m sheared 000C0000 p0000000000m sheared 00 and changes to parallel to core axis000 p0		Coordinate - Gemcom	Coordinate - UTM
			East: 000000	East: 000000
			North: 0000000	North: 0000000
			Elev.: 000	Elev.: 000
			Zone: 000	NAD: 00000
				Left in hole:
				Making water:
				Multi shot survey: Yes

Deviation Tests

<i>Distance</i>	<i>Azimuth</i>	<i>Dip</i>	<i>Type</i>	<i>Good</i>	<i>Comments</i>
0000	000000	000000	C	<input checked="" type="checkbox"/>	
0000	000000	000000	F	<input checked="" type="checkbox"/>	
0000	0000	000000	F	<input checked="" type="checkbox"/>	
0000	0000	000000	F	<input checked="" type="checkbox"/>	
000000	0000	000000	F	<input checked="" type="checkbox"/>	
000000	0000	000000	F	<input checked="" type="checkbox"/>	
000000	0000	000000	F	<input checked="" type="checkbox"/>	
000000	0000	000000	F	<input checked="" type="checkbox"/>	

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-021

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	SHR Shear W... SH...SH... C...O...CO...C...S...CH...O... C... W... H...M... ..	000000	0.00	0.00	0.00					
0.00	0.00	QMON Quartz Monzonite ...C... WH...F...O... .. F...S... C...S...S...OCC...S...O... C... S... ..S... ...C... F... SS... W... H...M... ..	000000 000000 000000 000000 000000 000000 000000 000000	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00					
0.00	0.00	APL Aplite Dike ...S...F...S...O... H...M... ..O...S... ..CH...S OFM... W...H... MO... ..	000000 000000	0.00 0.00	0.00 0.00	0.00 0.00					

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-021

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	QMON Quartz Monzonite C WHFO FSS									
0.00	0.00	APL Aplite Dike FW OCS WH FSH COCS									
0.00	0.00	QMON Quartz Monzonite C WHFO FSS									
0.00	0.00	SHR Shear MO SH SH COCS FSS COCS O FCO M									

LITHOLOGY REPORT - Detailed -

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Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	APL <i>Aplite Dike</i> Feldspar, Quartz, Chlorite, Calcite, CO ₂									
0.00	0.00	QMON <i>Quartz Monzonite</i> Quartz, White Feldspar, Chlorite, Sphalerite, Calcite, Silica, Sulfide									
0.00	0.00	SHR <i>Shear</i> Sphalerite, Chlorite, Calcite, Silica, Sulfide, Magnetite, Feldspar, Silica									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-021

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	QMON Quartz Monzonite C WH F O F S C S OCC S O C S S									
0.00	0.00	SHR Shear S O SH C F SS O CO C S									
0.00	0.00	QMON Quartz Monzonite C WH F O F S C S OCC S O C S S									
0.00	0.00	APL Aplite Dike W CH O C F SS C CO C S									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-021

Project TPK ROWLANDSON LAKE

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.50	QMON Quartz Monzonite C ₁₀ WH F ₁₀ O ₁₀ F ₁₀ S ₁₀ C ₁₀ S ₁₀ S ₁₀ OCC ₁₀ S ₁₀ O ₁₀ C ₁₀ S ₁₀ M ₁₀ S ₁₀ C ₁₀ F ₁₀ SS	000001	0.00	0.50	0.50					
0.50	0.50	APL Aplite Dike CH ₁₀ O ₁₀ SH ₁₀ C ₁₀ CO ₁₀ C ₁₀ S ₁₀	000002	0.50	0.50	0.00					
0.50	1.00	QMON Quartz Monzonite C ₁₀ WH F ₁₀ O ₁₀ F ₁₀ S ₁₀ C ₁₀ S ₁₀ S ₁₀ OCC ₁₀ S ₁₀ O ₁₀ C ₁₀ S ₁₀ M ₁₀ S ₁₀ C ₁₀ F ₁₀ SS	000003	0.50	1.00	0.50					
1.00	1.00		000004	1.00	1.00	0.00					

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-021

Project TPK ROWLANDSON LAKE

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	SHR Shear Siltstone SH... SH... C... C... CH... S... M... OF SH... F... SS... W... H... M...	000000	00000	00000	0000					
00000	00000	QMON Quartz Monzonite C... WH... F... O... F... S... C... S... OCC... O... C... S... S... C... F... SS...	000000 000000 000000	00000 00000 00000	00000 00000 00000	0000 0000 0000					
00000	00000	APL Aplite Dike F... H... M... SH... C... CO... C... S...	000000	00000	00000	0000					

LITHOLOGY REPORT - Detailed -

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Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	<p>SHR Shear</p> <p>SHalestone with CHalk and COnglomerate Fossils SSandstone Siltstone Mudstone OF SHalestone COnglomerate COnglomerate</p> <p>Structure Maj.: SHalestone Type/Core Angle: SHalestone</p> <p>Comment:</p>									
0.00	0.00	<p>QMON Quartz Monzonite</p> <p>Quartz Monzonite with WHole Fossils and Fossils Siltstone COnglomerate Siltstone OCCASIONALLY COnglomerate Siltstone Quartz Monzonite Fossils SSandstone</p>									
0.00	0.00	<p>QMON Quartz Monzonite</p> <p>Quartz Monzonite with Fossils and CHalk Siltstone and MOndstone SSandstone Fossils SHalestone COnglomerate Siltstone COnglomerate COnglomerate MUDstone</p>									

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-021

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
10.00	10.50	QMON Quartz Monzonite C00 WH00 F000 O000 000 F000 S000 C00 S000 S00C00 S000 C000 S000000 S0 0000 000C0 F0 0SS 00	000000	00000	00000	0000					
10.50	11.00	SHR Shear SH00000 000C00W000 C000 0000000C0 F0 0SS 0000 00 0000 0C	000000	00000	00000	0000					
		Structure Maj.:									
			Type/Core Angle								
		000000 000000	SH0 00								
11.00	11.50	QMON Quartz Monzonite C00C0 000 WH000 F0000 O0000 000 F000 S000 C00 S000 S00C00 S000 C000 S000000 S0 0000 000C0 F0 0SS 00	000000	00000	00000	0000					
			000000	00000	00000	0000					
			000000	00000	00000	0000					
			000000	00000	00000	0000					
			000000	00000	00000	0000					
			000000	00000	00000	0000					
			000000	00000	00000	0000					
			000000	00000	00000	0000					

LITHOLOGY REPORT - Detailed -

Hole Identifier TPK-11-021

Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		SHR Shear									
		SH...C... S...C... F...SS... S...SH...C...CO...C...S									
		Structure Maj.:									
		SH... ..									
		QMON Quartz Monzonite									
		C... WH...F...O... F...S... C...S...OCC...O...C... S...S...									
		...C... F...SS...									



DRILL HOLE REPORT

Hole Identifier **TPK-11-022**

Project **TPK ROWLANDSON LAKE**

Project Identifier **001**

Drilling	Casing	Core	Location	Other	
Azimuth: 000	Length: 0	Dimension: 00	Township: W000O00M	Logged by: Sarah Miller	
Dip: 000	Pulled:	Storage: 0OW0000S	Claim No.:	Relog by:	
Length: 000	Capped: Yes	Section:	NTS: 00000	Contractor: 000000 00O0H00S	
Started: 00Mar000	Cemented:	Hole Type 00	Hole: S00F0C0	Spotted by: Sarah Miller	
Completed: 00Mar000				Surveyed:	
Logged: 00Mar000				Surveyed by: Sarah Miller	
Comment:	<p>Several shears intersected most notable ones 000000000m sheared 000C00000 asp00000000 00000m sheared 000C00000 p00000 stringers 000000000m sheared 000C000ea0 sericite alt0 000000000m 0ea0 to moderate sheared 000C0 to parallel trace p000000000m sheared parallel to core axis 000 stringers 00000 p0</p>		Coordinate - Gemcom East: 000000 North: 0000000 Elev.: 000	Coordinate - UTM East: 000000 North: 0000000 Elev.: 000 Zone: 000 NAD: 00000	Geophysics: Geophysic Contractor: Left in hole: Making water: Multi shot survey: Yes

Deviation Tests

Distance	Azimuth	Dip	Type	Good	Comments
0000	000000	000000	C	<input checked="" type="checkbox"/>	
0000	000000	000000	F	<input checked="" type="checkbox"/>	
0000	000000	000000	F	<input checked="" type="checkbox"/>	
0000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	000000	000000	F	<input checked="" type="checkbox"/>	
000000	0000	000000	F	<input checked="" type="checkbox"/>	
000000	0000	000000	F	<input checked="" type="checkbox"/>	
000000	0000	000000	F	<input checked="" type="checkbox"/>	
000000	0000	000000	F	<input checked="" type="checkbox"/>	
000000	0000	000000	F	<input checked="" type="checkbox"/>	

LITHOLOGY REPORT - Detailed -

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Project TPK ROWLANDSON LAKE

Project Identifier 001

From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>SHR Shear</p> <p>SHalestone with calcite and chlorite. High magnesian shale with calcite and chlorite. Fine grained.</p>									
		<p>QMON Quartz Monzonite</p> <p>Quartz monzonite with white feldspar and orthoclase. Fine grained calc-silicate with high magnesian shale.</p>									
		<p>SHR Shear</p> <p>SHalestone with calcite and chlorite. Calc-silicate with chlorite and chlorite. Fine grained.</p>									
		<p>QMON Quartz Monzonite</p> <p>Quartz monzonite with white feldspar and orthoclase. Fine grained calc-silicate with high magnesian shale.</p>									

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>SHR Shear</p> <p>MO... SH... SH... C... SH... C... CO... C... S... W... C... CH... O... S... MOS... C</p>									
		<p>QMON Quartz Monzonite</p> <p>C... WH... F... O... F... S... C... S... S... C... F... S... S...</p>									
		<p>SHR Shear</p> <p>MO... SH... SH... C... MO... H... M... C... O... C... SH... C... F... S... F... W... C... S... F... O... W... F... O...</p>									

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>QMON Quartz Monzonite</p> <p>SHALE with fine to medium grained quartz and feldspar. Contains small amounts of mica and chlorite. Matrix is fine to medium grained.</p>									
		<p>SHR Shear</p> <p>Shear zone with fine to medium grained quartz and feldspar. Matrix is fine to medium grained.</p>									
		<p>QMON Quartz Monzonite</p> <p>SHALE with fine to medium grained quartz and feldspar. Contains small amounts of mica and chlorite. Matrix is fine to medium grained.</p>									
		<p>SHR Shear</p> <p>Shear zone with fine to medium grained quartz and feldspar. Matrix is fine to medium grained.</p>									

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
-------------	-----------	-----------	----------	------	----	--------	-------------	------------	-------------	-------------	--------------

0.00	0.00	QMON <i>Quartz Monzonite</i> C ₁₀ WH ₁₀ F ₁₀ O ₁₀ F ₁₀ S ₁₀ C ₁₀ S ₁₀ C ₁₀ F ₁₀ SS									
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0.00	0.00	SHR <i>Shear</i> MO ₁₀ SH ₁₀ SH ₁₀ O ₁₀ C ₁₀ W ₁₀ C ₁₀ CH ₁₀ O ₁₀ C ₁₀ F ₁₀ SS									
------	------	--	--	--	--	--	--	--	--	--	--

0.00	0.00	QMON <i>Quartz Monzonite</i> C ₁₀ WH ₁₀ F ₁₀ O ₁₀ F ₁₀ S ₁₀ C ₁₀ S ₁₀ C ₁₀ F ₁₀ SS									
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From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		<p>APL <i>Aplite Dike</i></p> <p>Medium to coarse grained, fine to medium grained, white to light grey, crystalline, fine to medium grained, quartz, feldspar, and perthite.</p>									
		<p>QMON <i>Quartz Monzonite</i></p> <p>Medium to coarse grained, fine to medium grained, white to light grey, crystalline, fine to medium grained, quartz, feldspar, and perthite.</p>									
		<p>SHR <i>Shear</i></p> <p>Medium to coarse grained, fine to medium grained, white to light grey, crystalline, fine to medium grained, quartz, feldspar, and perthite.</p>									
		<p>APL <i>Aplite Dike</i></p> <p>Medium to coarse grained, fine to medium grained, white to light grey, crystalline, fine to medium grained, quartz, feldspar, and perthite.</p>									

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
-------------	-----------	-----------	----------	------	----	--------	-------------	------------	-------------	-------------	--------------

00000 00000 **QMON Quartz Monzonite**
 000C 000 WH000F000O000 000 F000S000 C00S000S000000000000 000C0 F0 0:SS
 00

00000 00000 **SHR Shear**
 SH00000 000C00000C000 S0000000 0CM W000 0 M00000 OF SH0000000000O000
 CO000C0S0000000 00 W00H00 S0000000W000 CH00 000

00000 00000 **QMON Quartz Monzonite**
 000C 000 WH000F000O000 000 F000S000 C00S000S000000000000 000C0 F0 0:SS
 00

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	SHR Shear W... SH...SH... C...O...CO...C...S...C... F...SS ...									
00000	00000	QMON Quartz Monzonite ...C... WH...F...O... F...S... C...S...S... C... F...SS ...									
00000	00000	SHR Shear SH... C...C... S... CM W... W...H... SH... W...									
00000	00000	QMON Quartz Monzonite ...C... WH...F...O... F...S... C...S...S... C... F...SS ...									

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
-------------	-----------	-----------	----------	------	----	--------	-------------	------------	-------------	-------------	--------------

SHR Shear
 MO SH SH C O CO S F W C
 S S CO C S F S C O S C

QMON Quartz Monzonite
 C WH F O F S C S C F S
 C

APL Aplite Dike
 WH SM O C S S W CH O C C C

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	QMON Quartz Monzonite C O WH F O F S C S C F S									
0.00	0.00	APL Aplite Dike C F S SH CO C S C									
0.00	0.00	QMON Quartz Monzonite C O WH F O F S C S C F S									
0.00	0.00	APL Aplite Dike C F S C C C C									

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
-------------	-----------	-----------	----------	------	----	--------	-------------	------------	-------------	-------------	--------------

00000	00000	QMON Quartz Monzonite C WH F O F S C S C F SS									
-------	-------	---	--	--	--	--	--	--	--	--	--

00000	00000	APL Aplite Dike C F SS C C C									
-------	-------	--	--	--	--	--	--	--	--	--	--

00000	00000	QMON Quartz Monzonite C WH F O F S C S C F SS									
-------	-------	---	--	--	--	--	--	--	--	--	--

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	APL <i>Aplite Dike</i> 0000\WH000000C F 0:SS 000W000 C000\CH00 000\CO000CS 000C									
00000	00000	QMON <i>Quartz Monzonite</i> 000C 000 WH000\F000O000 000 F000S000 C00S000S000000000000 000C F 0:SS 00									
00000	00000	SHR <i>Shear</i> SH00000 000C00SH00000 0000C0000 00 00MO000C 000C000 S0000000 0CM W0000 000C F 0:SS 0000C 000C000C 0000000O000									
00000	00000	QMON <i>Quartz Monzonite</i> 000C 000 WH000\F000O000 000 F000S000 C00S000S000000000000 000C F 0:SS 00									

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
-------------	-----------	-----------	----------	------	----	--------	-------------	------------	-------------	-------------	--------------

00000 00000 **APL** *Aplite Dike*
 00000WH00000C F 00SS 000W000 C0000CHO0 00000C 000C000C 00

00000 00000 **QMON** *Quartz Monzonite*
 000C 000 WH000F000O000 000 F000S000 C00S000S000000000000 000C F 00SS
 00

00000 00000 **APL** *Aplite Dike*
 00000WH00000C F 00SS 000W000 CHO0 0000CO000CS 000C

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	QMON Quartz Monzonite C WH F O F S C S S C F SS									
0.00	0.00	APL Aplite Dike WH C F SS W CH O CO CS C									
0.00	0.00	QMON Quartz Monzonite C WH F O F S C S S C F SS									
0.00	0.00	SHR Shear MO SH SH C O C C C F SS									

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
0.00	0.00	QMON Quartz Monzonite C F WH F O F S C S S C F SS									
0.00	0.00	VQTZ Quartz Vein SM C F SS W H M W C H O C O F C C M W H MO									
0.00	0.00	QMON Quartz Monzonite C F WH F O F S C S S C F SS									
0.00	0.00	VQTZ Quartz Vein									

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
		SM... S... C...WH... W...H C... C... F... SS... O... M...S...C...									
		QMON Quartz Monzonite C... WH...F...O... F...S... C...S...S... C... F... SS... ...									
		SHR Shear MO... SH...SH... C... O... CO... S... F... SS... C... ...O...CO...S									
		QMON Quartz Monzonite C... WH...F...O... F...S... C...S...S... C... F... SS... ...									

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
-------------	-----------	-----------	----------	------	----	--------	-------------	------------	-------------	-------------	--------------

00000 00000 **SHR Shear**
 MO... SH... SH... C... C... O... C... C... O... F... C...
 ... F... SS ... H... O... HO... C... ... C... CM W... W... H CH... O... C...
 ... F... SS ...

00000 00000 **QMON Quartz Monzonite**
 ... C... WH... F... O... ... F... S... C... S... S... C... F... SS
 ...

00000 00000 **SHR Shear**
 MO... SH... SH... C... SH... C... CO... C... S... C... W...
 S... C... F... W... S... S... C... F... SS ...

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From (m)	To (m)	Lithology	Sample #	From	To	Length	Ag (ppm)	Ag2 (%)	Agol (%)	Au (g/t)	Au2 (g/t)
00000	00000	SHR Shear W... O MO... SH... SH... C... O ... CO... S... O... C... W... C... CH... C... F... SS ...									
00000	00000	QMON Quartz Monzonite ...C... WH... F... O... F... S... C... S... S... C... F... SS ...									
00000	00000	SHR Shear W... O MO... SH... SH... C... O ... CO... S... S... S... ... M... F... SS ... C... S... W... SH... M... ... O... CO... C... S...									
00000	00000	QMON Quartz Monzonite ...C... WH... F... O... F... S... C... S... S... C... F... SS ...									

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<i>From</i> (m)	<i>To</i> (m)	<i>Lithology</i>	<i>Sample #</i>	<i>From</i>	<i>To</i>	<i>Length</i>	<i>Ag</i> (ppm)	<i>Ag2</i> (%)	<i>Agol</i> (%)	<i>Au</i> (g/t)	<i>Au2</i> (g/t)
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Fire Assay Procedure

Ag-GRA21, Ag-GRA22, Au-GRA21 and Au-GRA22 Precious Metals Gravimetric Analysis Methods

Sample Decomposition:

Fire Assay Fusion (FA-FUSAG1, FA-FUSAG2, FA-FUSGV1 and FA-FUSGV2)

Analytical Method:

Gravimetric

A prepared sample is fused with a mixture of lead oxide, sodium carbonate, borax, silica and other reagents in order to produce a lead button. The lead button containing the precious metals is cupelled to remove the lead. The remaining gold and silver bead is parted in dilute nitric acid, annealed and weighed as gold. Silver, if requested, is then determined by the difference in weights.

Method Code	Element	Symbol	Units	Sample Weight (g)	Detection Limit	Upper Limit
Ag-GRA21	Silver	Ag	ppm	30	5	10,000
Ag-GRA22	Silver	Ag	ppm	50	5	10,000
Au-GRA21	Gold	Au	ppm	30	0.05	1000
Au-GRA22	Gold	Au	ppm	50	0.05	1000

Revision 03.01
Aug 17, 2005

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Fire Assay Procedure

Au- AA23 & Au- AA24 Fire Assay Fusion, AAS Finish

Sample Decomposition:

Fire Assay Fusion (FA-FUS01 & FA-FUS02)

Analytical Method:

Atomic Absorption Spectroscopy (AAS)

A prepared sample is fused with a mixture of lead oxide, sodium carbonate, borax, silica and other reagents as required, inquarted with 6 mg of gold-free silver and then cupelled to yield a precious metal bead.

The bead is digested in 0.5 mL dilute nitric acid in the microwave oven, 0.5 mL concentrated hydrochloric acid is then added and the bead is further digested in the microwave at a lower power setting. The digested solution is cooled, diluted to a total volume of 4 mL with de-mineralized water, and analyzed by atomic absorption spectroscopy against matrix-matched standards.

Method Code	Element	Symbol	Units	Sample Weight (g)	Lower Limit	Upper Limit	Default Overlimit Method
Au-AA23	Gold	Au	ppm	30	0.005	10.0	Au- GRA21
Au-AA24	Gold	Au	ppm	50	0.005	10.0	Au- GRA22

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Aug 17, 2005

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Geochemical Procedure

ME- MS61

Ultra- Trace Level Method Using ICP- MS and ICP- AES

Sample Decomposition:

HF-HNO₃-HClO₄ acid digestion, HCl leach (GEO-4A01)

Analytical Method:

Inductively Coupled Plasma - Atomic Emission Spectroscopy (ICP - AES)
Inductively Coupled Plasma - Mass Spectrometry (ICP-MS)

A prepared sample (0.25 g) is digested with perchloric, nitric, hydrofluoric and hydrochloric acids. The residue is topped up with dilute hydrochloric acid and analyzed by inductively coupled plasma-atomic emission spectrometry. Following this analysis, the results are reviewed for high concentrations of bismuth, mercury, molybdenum, silver and tungsten and diluted accordingly. Samples meeting this criterion are then analyzed by inductively coupled plasma-mass spectrometry. Results are corrected for spectral interelement interferences.

NOTE: Four acid digestions are able to dissolve most minerals; however, although the term "*near-total*" is used, depending on the sample matrix, not all elements are quantitatively extracted.

Element	Symbol	Units	Lower Limit	Upper Limit
Silver	Ag	ppm	0.01	100
Aluminum	Al	%	0.01	50
Arsenic	As	ppm	0.2	10 000
Barium	Ba	ppm	10	10 000
Beryllium	Be	ppm	0.05	1 000
Bismuth	Bi	ppm	0.01	10 000
Calcium	Ca	%	0.01	50
Cadmium	Cd	ppm	0.02	1 000
Cerium	Ce	ppm	0.01	500
Cobalt	Co	ppm	0.1	10 000

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Sep 26, 2006

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Geochemical Procedure

Element	Symbol	Units	Lower Limit	Upper Limit
Chromium	Cr	ppm	1	10 000
Cesium	Cs	ppm	0.05	500
Copper	Cu	ppm	0.2	10 000
Iron	Fe	%	0.01	50
Gallium	Ga	ppm	0.05	10 000
Germanium	Ge	ppm	0.05	500
Hafnium	Hf	ppm	0.1	500
Indium	In	ppm	0.005	500
Potassium	K	%	0.01	10
Lanthanum	La	ppm	0.5	10 000
Lithium	Li	ppm	0.2	10 000
Magnesium	Mg	%	0.01	50
Manganese	Mn	ppm	5	100 000
Molybdenum	Mo	ppm	0.05	10 000
Sodium	Na	%	0.01	10
Niobium	Nb	ppm	0.1	500
Nickel	Ni	ppm	0.2	10 000
Phosphorous	P	ppm	10	10 000
Lead	Pb	ppm	0.5	10 000
Rubidium	Rb	ppm	0.1	10 000
Rhenium	Re	ppm	0.002	50
Sulphur	S	%	0.01	10
Antimony	Sb	ppm	0.05	10 000
Scandium	Sc	ppm	0.1	10 000
Selenium	Se	ppm	1	1 000
Tin	Sn	ppm	0.2	500
Strontium	Sr	ppm	0.2	10 000

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Geochemical Procedure

Element	Symbol	Units	Lower Limit	Upper Limit
Tantalum	Ta	ppm	0.05	100
Tellurium	Te	ppm	0.05	500
Thorium	Th	ppm	0.2	10 000
Titanium	Ti	%	0.005	10
Thallium	Tl	ppm	0.02	10 000
Uranium	U	ppm	0.1	10 000
Vanadium	V	ppm	1	10 000
Tungsten	W	ppm	0.1	10 000
Yttrium	Y	ppm	0.1	500
Zinc	Zn	ppm	2	10 000
Zirconium	Zr	ppm	0.5	500

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Sep 26, 2006

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