Report on Drilling Programme

October, 2009

Norpax Project

(CLM 330)

Red Lake, Ontario

PUGET
VENTURES

Puget Ventures Inc.

NTS 52L/06
5592715N 356690E

Kenora Mining District
ONTARIO

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SUMMARY

In October, 2009 Puget Ventures Inc. (hereafter 'Puget'), completed a single drill programme totalling 536 metres, on its Norpax project, north-western Ontario.

The primary goal of the programme was to test for additional mineralisation previously returned from historic drilling on the so-called Norpax Deposit.

The drilling returned insignificant gold & PGE results, though mineralisation on the Norpax deposit was confirmed, indicating continuity to the East & down-dip.

Additional drilling is warranted, based on historical drilling indicating a nickel-copper-(PGE) resource on the Norpax property. Showings to the East & West indicate similar mineralisation that should also be investigated with a view to expanding the resource at Norpax.

T.N.J. Hughes, P. Geol, P. Geo, P. Geo

INTRODUCTION

In October, 2009, a single hole drill programme was completed on the Norpax project, North of Kenora, north-western Ontario.

The programme was designed to test known mineralisation at the historic Norpax deposit..

The results of this (drill) programme are presented, with recommendations made for additional work on the property.

The work carried out was supervised by T.N.J. Hughes, the author of this report.

1. LOCATION AND ACCESS

The Norpax property area is located in north-western Ontario, approximately 90 km. North of Kenora, Ontario, & 90 km. East north-east of the town of Lac du Bonnet, Manitoba. The project area is some nine km. East of the Ontario-Manitoba border, within the Ryerson Lake sheet, NTS 52L/06.

Access to the property is accessed via Manitoba provincial highways 313, 315 & 314, from Lac du Bonnet, thence East, at the Manitoba border, along an unmaintained road terminating at the closed Gordon Lake Mine, on Werner Lake. The area can also be accessed by float plane or via several portages onto Almo Lake, the epicentre of the Norpax project area.

Topographically, the area is characterised by low relief, with variable drainage on quite thin glacial & more sparse fluvioglacial deposits. Locally, there is steeper terrain, due to a number of significant faults.

There is significant outcrop on the property & adjacent ground, affording excellent mapping opportunities.

Nearly all of the area is forested with jackpine, white spruce & in poorly drained areas, black, white spruce, tamarack, willow & alder. Old burned areas, those with a thicker cover sequence, & or higher silt/sand glaciofluvial related cover, are covered with poplar, birch & jackpine.

Fig. 1, overleaf, provides the regional location of the property.

Fig. 1 Location Map.

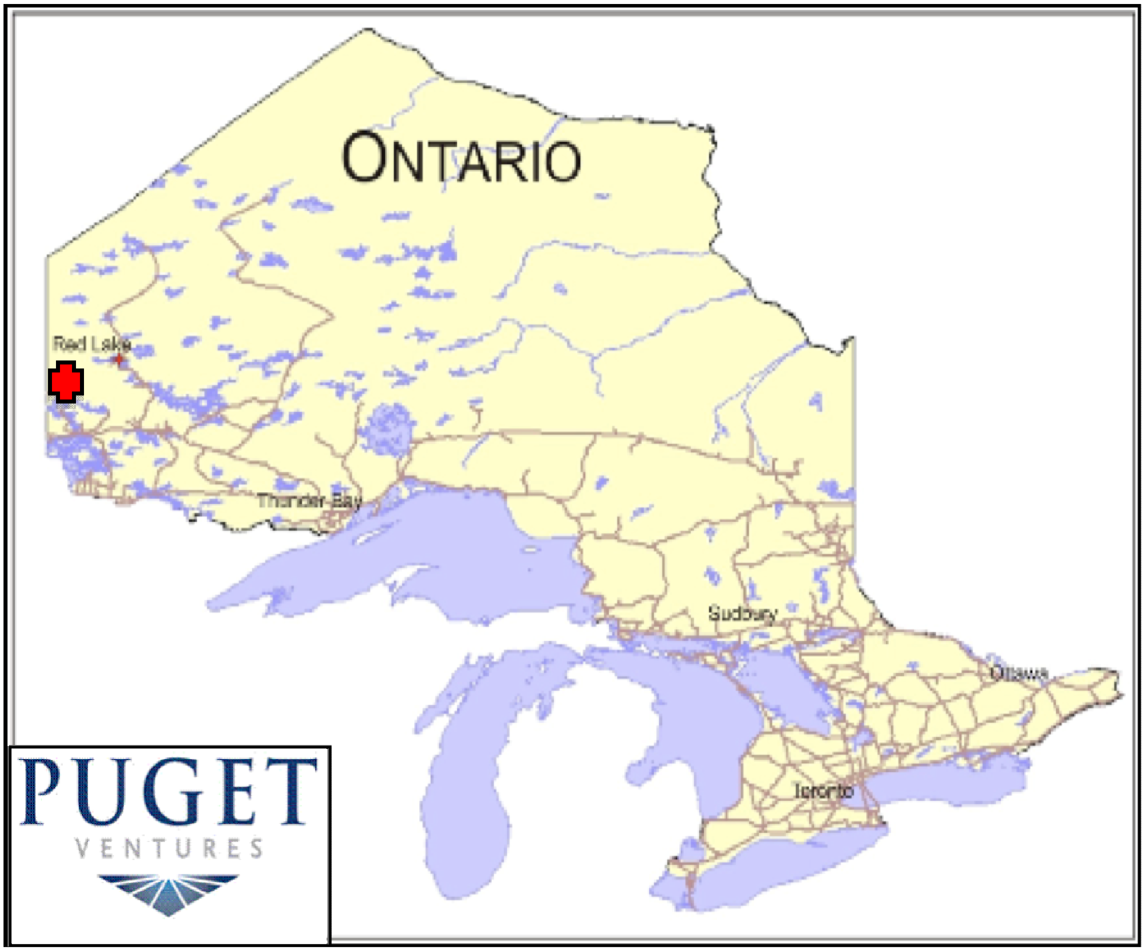
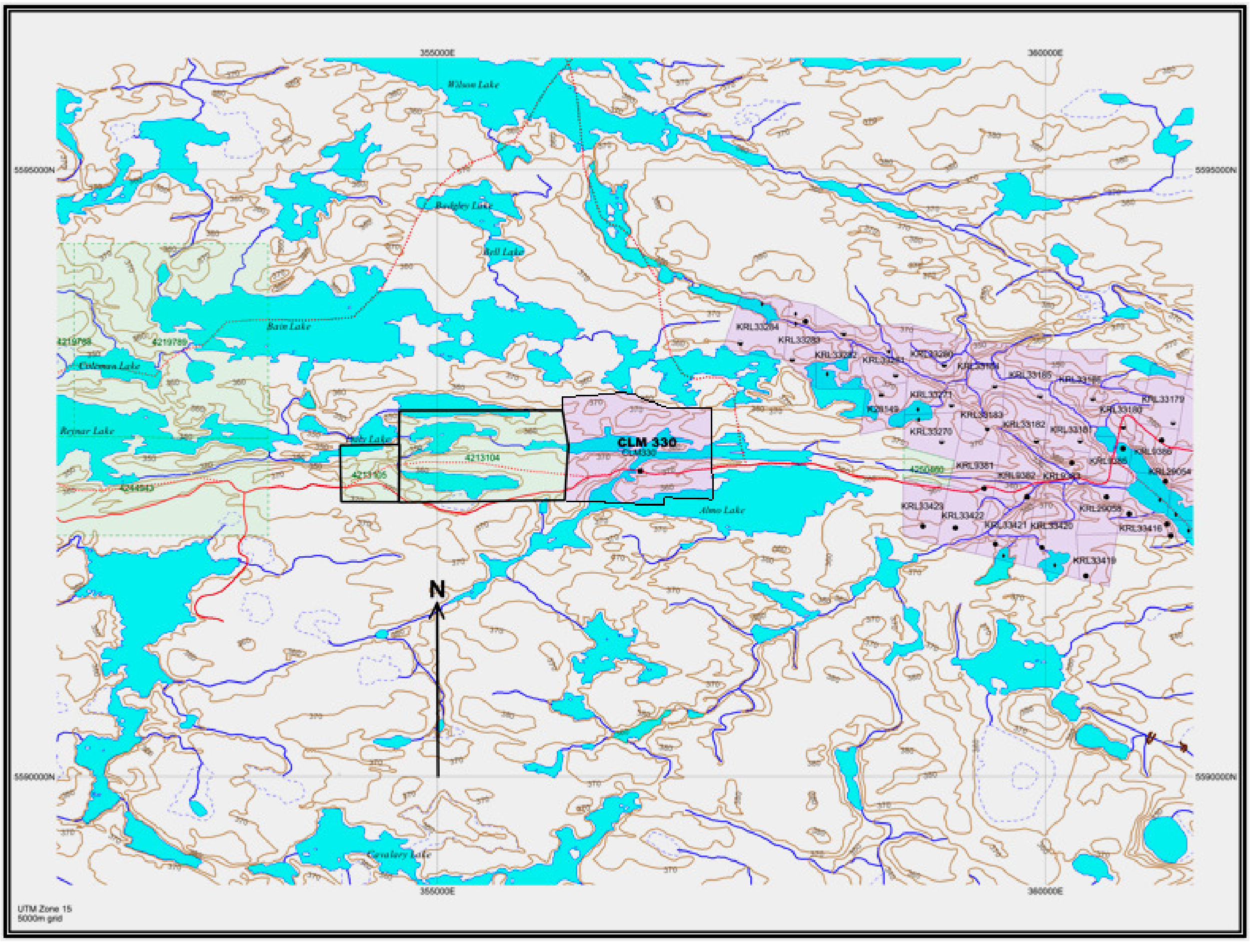


Fig. 2 Location with area outlined in orange

2. CLAIMS

The property consists of mining lease CLM330 in the Reynar Lake Area, Kenora District, Ontario.

Fig 3. Claim Map



3. HISTORY

The following information has been obtained from divers assessment reports, & also from Parker, 1998 & Wakeford, 2001. For brevity, a list of salient exploration is provided below:

1917 Copper-nickel mineralisation discovered at Maskwa, Manitoba.

1920 Cobalt-copper mineralisation was discovered in the Werner Lake area by M. Carlson, with subsequent work carried out by optionors Kenora Prospectors and Miners ltd., in 1928. The company excavated test pits, trenches & sunk a shallow shaft in the vicinity of the Werner Cobalt deposit.

1932 Some 70 tons of ore was shipped to Norwood, Ohio.

1940 Property leased to N.B. Davis who operated the mine until closure in 1944. A two-compartment shaft was sunk, deepened, a 42 foot adit completed & a 25 tpd mill installed. A total of 123,386 lb of cobalt was shipped between 1940 & 1944. Total mine productions was 143,386 lb of cobalt grading an average 2.2% Co & 0.75% Cu.

1942 H. Byberg & A. Vanderbrink discovered Ni-Cu in ultramafic rocks on the south-west shore of Gordon (then Lynx) Lake, with Dome Exploration workers discovering other showings in the area, the same year. Noranda optioned ground the same year & carried out surveys & diamond drilling.

1948 Rexora Mining Corporation Ltd. acquired the eastern portion of the Gordon Lake property & International Nickel Co., the West. Both carried out surveys & drilled. Rexora outlined what became the Rexora No. 5 zone at Werner Lake, with 35,000 tons averaging 0.78% Ni & 0.42% Cu, & the Rexora No. 2 zone, on the south-west corner of Gordon Lake, with 140,000 tons averaging 1.53% Ni & 0.73% Cu.

1952 Quebec Nickel Corporation acquired all the Noranda, INCO, Rexora & Falconbridge Quebec Nickel ground & carried out surface surveys & diamond drilling, sunk two shafts & underground exploration & ?-development.

1955 Quebec Nickel Corporation merged with the Eastern Smelting and Mining Corporation to form Eastern Mining and Smelting Corporation Ltd. in 1955, but the name was changed to the Nickel Mining and Smelting Corporation Ltd. in 1958. The company was reorganized in 1963 to form Metal Mines Ltd. and reorganized again in 1967 to form Consolidated Canadian Faraday Ltd. The Gordon Lake Mine commenced production in 1962 and produced 1 370 285 tons averaging 0.92% Ni, 0.47% Cu, 0.004 ounce platinum per ton and 0.023 ounce palladium per ton until 1969 when underground operations were terminated and the shafts were closed. In 1971 it was reported that the mine had reserves of 170 420 tonnes averaging 0.85% Ni and 0.35% Cu (Taylor 1950; Carlson 1958; Scoates 1972; Mineral Deposit and Assessment Files, Resident Geologist's office, Kenora).

1953 C. Alcock discovered nickel-copper mineralization in peridotite lenses at Almo (prev. Tigar) Lake. The properties were explored by Selco Exploration Co. Ltd. until 1954 when Norpax Oils and Mines Ltd acquired them. Norpax developed a shaft and conducted extensive underground and surface exploration on the property. In 1962 the property was optioned to Nickel Mining and Smelting Corporation Ltd. (Carlson 1958) and reserves of 1 010 000 tons averaging 1.2% Ni and 0.5% Cu were reported (Canadian Mines Handbook 1963, p.215). Limited exploration work was conducted on this property during the 1980's.

Several companies conducted mineral exploration at Reynar, Rex and Upper and Lower Fortune lakes, between 1942 and 1960, but no significant mineral discoveries were reported. Several mining companies explored the Almo, Gordon, Werner and Rex lakes areas for platinum group elements during the mid-1980's.

Prospectors working for Steep Rock Iron Mines Ltd. discovered copper sulphide mineralization at Bug Lake between 1958 and 1961. During 1962 and 1963 Steep Rock Iron Mines Ltd. completed geological mapping, trenching, stripping, sampling and magnetic, e

1953 Exploration by, amongst others, C. Alcock, resulted in the discovery & trenching of, three Cu-Ni occurrences hosted by ultramafic lenses on the shore of Almo Lake. Selco Exploration Co. Ltd. conducted geophysical surveys & drilled on & around these occurrences, including on the site of the Norpax deposit.

1954-1957 Upon acquisition by Norpax Oils and Mines Ltd., the property area was drilled, with subsequent underground exploration via the sinking of a three compartment shaft sunk from the South shore of Almo Lake, to a depth of 402 feet (122.5 m). Two levels were developed (250 ft (76 m), & 375 ft (114 m), with cross-cuts driven North to intercept Cu-Ni mineralisation located from diamond drilling.

It is understood that a zone of sulphides was delineated on both levels over a distance of 1400 feet (426.6 m). No development or mining was carried out & the underground programme was suspended in 1957. Work on the deposit delineated "… 1 million tons grading 0.5% Copper and 1.2% Nickel." (Harper, 2008).

1958 Falconbridge optioned the Rexora Resources ground & drilled until 1949.

1962 Nickel Mining and Smelting Corporation optioned the property from Norpax Nickel Mines (name change from Norpax Oils), dewatered the underground workings & carried out mapping & sampling. Results are unknown, but the option was dropped the same year.

1970 The property was optioned to Consolidated Manitoba Mines Ltd. who carried out geophysical surveys & geological mapping.

1977 Prestige Mines completed two drill holes, sited on the North shore of Almo Lake, with total footage of 1766 feet (538.1 m).

1988 Ferguson Mining Services drilled a single hole for 194 feet 959.1 m).

1994 → Canmine Resources conducted exploration at Werner, Rex and Bug lakes. The company flew airborne geophysical surveys over the entire area, conducted ground geophysical surveys and completed over 75,000 feet of diamond drilling. Subsequently, the company focussed attention on the cobalt mineralisation at the West Cobalt zone occurrence.

Approximately 3,100 tonnes of mineralized material was shipped to Sudbury for metallurgical testing in 1996. Diamond drilling outlined approximately 14 000 tonnes averaging 1.57% Co, 0.26% Cu and 0.113 ounce gold per ton at the West cobalt zone (Canada Stockwatch, February 23, 1996, p.11). The company commenced underground mining operations in late 1996 by developing a ramp into the West zone and extracting about 10 000 tonnes of cobalt ore before the end of 1997.

A total of 847 feet of underground ramping, drifting and raising was completed. Underground chip sampling gave the following cobalt values: 3.0% Co, 15% Co, 15.7% Co, 18.5% Co and 20% Co.

By around 2001, the company went into receivership.

2001 Atikwa Minerals Ltd. optioned the Norpax property from J-C David Securities Limited, performed geological mapping & drilled five holes on Almo Lake, for 666.1 m, testing for platinum group mineralisation. This work formed part of a much larger programme that included the flying of a helicopter-borne regional EM & magnetometer survey (Fugro), in 2001, that formed the basis of ground work (geological mapping, sampling). The sampling included dump material around the Norpax shaft that returned significant precious, base & platinum group metals.(1.1 g/t Au, 8.4 g/t Pt & up to 6.8 g/t Pd, 5.055 Cu & 5.0% Ni (Wakeford, 2001).

Drilling was carried out during the winter of 2002, drilling on Almo Lake, & confirmed the location of the Norpax horizon, Cu-Ni & Pt-Pd values associated with this ‘horizon’ a predominantly ‘peridotitic’ host.

Results from the drilling included the following, again, taken from Wakeford, 2001.

Hole No. 3:	4.3 m grading 0.506 g/t Pt+Pd, 0.48% Cu & 0.39% Ni
Hole No. 4:	20.3 m grading 0.556 Pt+Pd, 0.115 Cu & 0.39% Ni
Hole no. 5:	36.5 m grading 0.608 g/t Pt+Pd, 0.25% Cu & 0.505 Ni

Atikwa also conducted work on the East adjacent Canmine's claims, including the drilling of two holes. Records for this work are scant. Atikwa dropped their options on both the Norpax & Canmine's claims.

See also ‘Ch. 5 PROPERTY GEOLOGY’, for additional information on the claims under examination.

4. REGIONAL GEOLOGY

The project area is within the 800 km long by 50 km wide, Archæan English River sub-province, an East-West trending, predominantly metasedimentary gneiss belt within the Superior Province. Minor metavolcanic rocks occur within the belt that have been the focus of base metal & PGE exploration. These supracrustal rocks are typically highly metamorphosed, often to granulite facies, with retrograde metamorphism to amphibolite facies. Migmatite & tonalitic to granitic intrusive rocks are widespread.

Ages for the supracrustal sequences are approximately 2698 Ma, for the granitoid intrusions, 2650-2700 Ma. Late intrusions including the Marijane Lake & Gone Lake felsic batholiths have intruded this sequence.

The regional deformation history is generally considered to be as follows:

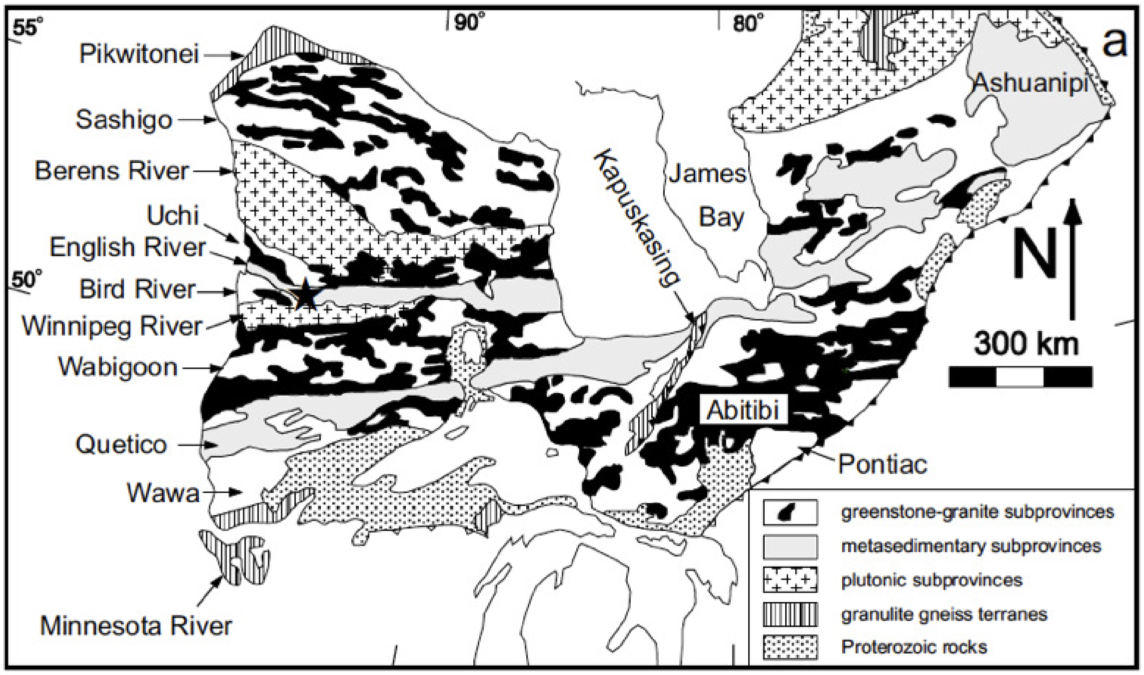
D_1 Sub-horizontal to shallow recumbent fold-thrust deformation.

D_2 Near orthogonal, ?-northerly compression (S_1 North-South) producing large scale vertical to sub-vertical axial planes, & associated steeply plunging fabrics.

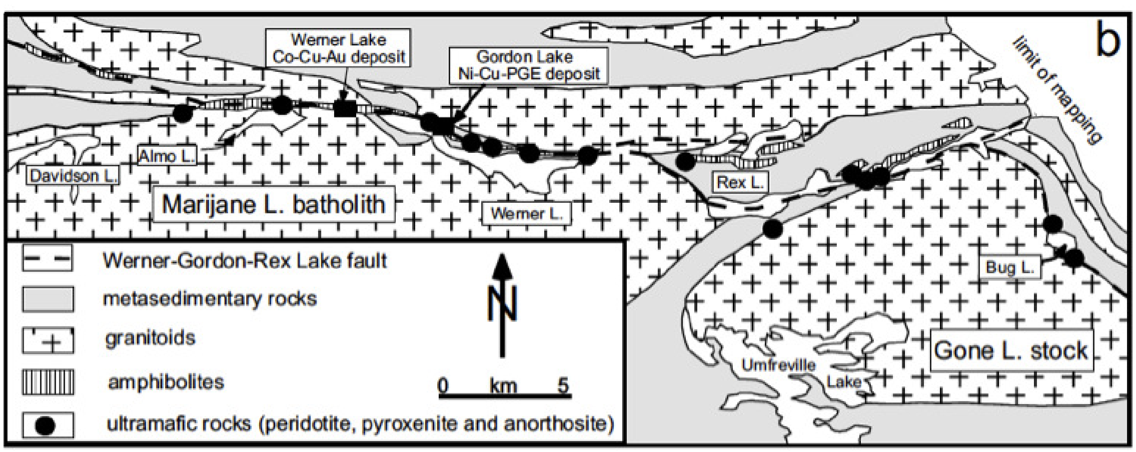
D_3 More brittle, ?-north-west plunging folds.

To date, there is no official documentation that accurately describes all three phases within the project area, including the Norpax, Werner & Gordon Lake deposits.

Major crustal discontinuities trend East-West, and include the Werner Lake fault that cuts through the claims under examination. Later Northeast trending faults are also present. Some authors have indicated a spatial, if not a genetic relationship between these & mineralisation at, for instance, Norpax & the Werner Cobalt deposits.



Above - Fig. 4 From Pan & Therens, 2000 Star is approximate location of the claims referred to in this report.
Below - Fig. 5 Regional Geology from same report, showing various deposits & showings
Norpax location is 'Almo Lake'



FF, Fig. 6 Property Scale geology (Parker, 1998)

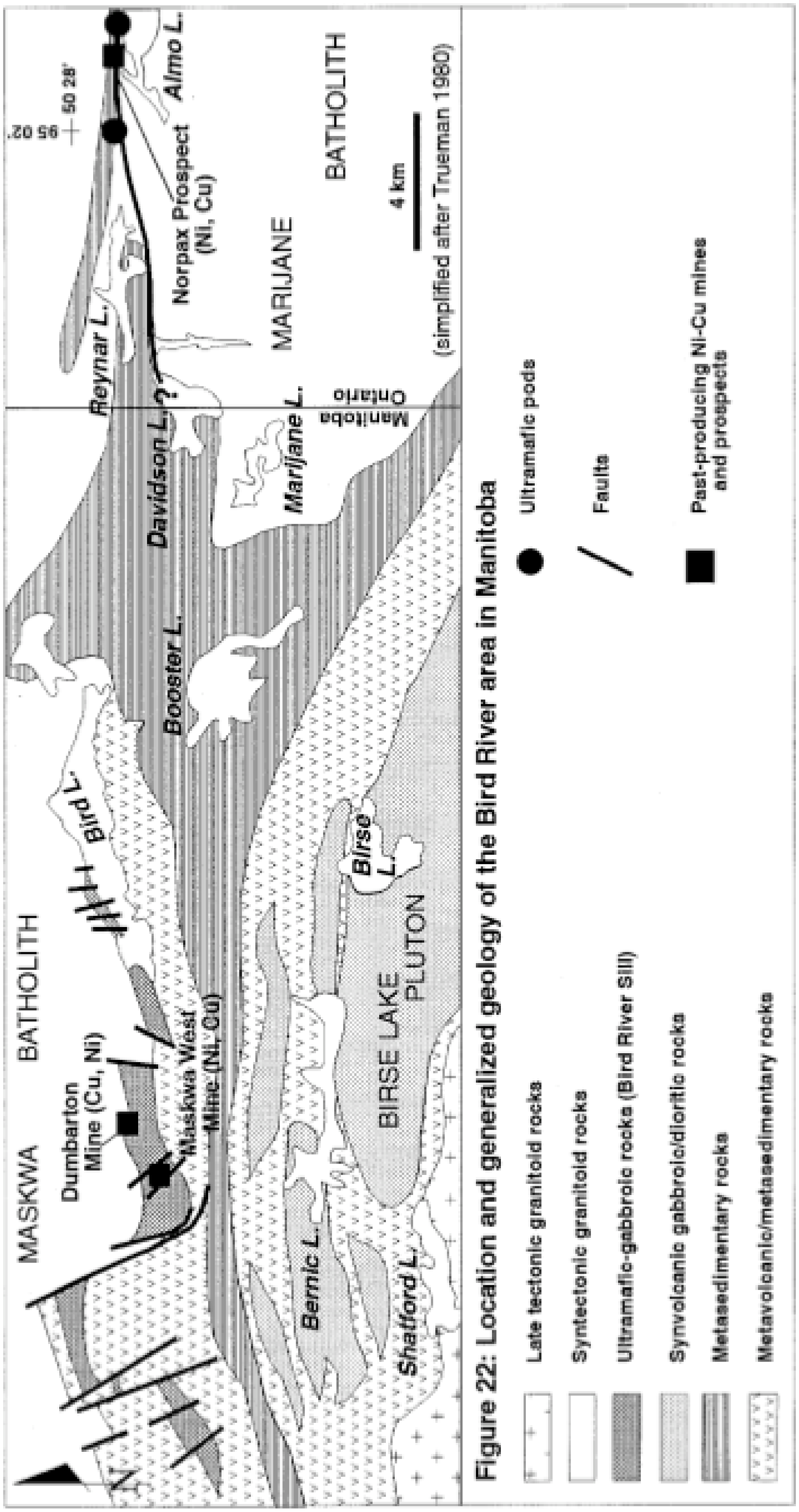


Figure 22: Location and generalized geology of the Bird River area in Manitoba

5. PROPERTY GEOLOGY

The area underlying the Norpax project area, & much of the surrounding ground, is underlain by a relatively complex sequence of East-West striking, steeply dipping, ‘migmatite’, paragneiss, orthogneiss, gabbro, peridotite, pyroxenite, amphibolite, altered mafic volcanic rocks plus divers granitoid intrusive rocks.

To date, there has been no accurate detail mapping of this sequence, with various attempts made using geophysical techniques to augment ineffective, even poor mapping practices.

Parker, (1994), mapped a large portion of the sequence covering Almo-Werner Lakes as part of a large scale investigation of the geology & mineralisation of the Werner Lake Belt. This covered Claim 4213104, the East adjacent Norpax, & eastwards over to Rex Lake. See fig. 6, ff. There are no detail geology maps covering Claim 4213105. A cursory examination of exposures & a check on past reconnaissance work on the two claims, suggests continuity of geology West, from Claim 4213104, with Parker’s geology, a very useful guide to extending his work.

Parker (1994, 1998) provides a good reference for regional & property scale geology, mineralisation, & alteration, with maps providing the most accurate information on the geology of the Werner Lake Belt.

More northern sequences within & adjacent to the property area are considered to be ‘metasedimentary migmatites’ derived from wacke. They are quartz-feldspathic-biotitic, with varying, but generally small percentages of hornblende, magnetite, orthopyroxene, garnet & cordierite. Texturally, they are medium- to coarse-grained, granoblastic (sub- to idioblastic), ‘foliated’, gneissic, s.s. to simply lepidoblastic. They are considered to represent highly metamorphosed wackes, possibly with more ferrous layers or assemblages representative of pelitic sequences. There is little or no textural evidence of a sedimentary origin.

Typically, the migmatite is ‘intruded’ by granitoid leucosomal material composed of plagioclase-quartz-(K-feldspar), understood to have formed from partial melting of the sediments.

The South adjacent mafic volcanic units (see Parker, 1998), may be described as a (meta)gabbro, although, it can also resemble a diabase, amphibolite, leucogabbro, migmatiic gabbro or be variably altered by potassic granitoid. Finer grained examples could also represent mafic (basalt-andesite) volcanic units (effusive or intrusive).

Texturally, they are granoblastic to lepidoblastic, rarely pegmatitic, foliated, s.l., to gneissic (banded). Original textures are very rarely preserved.

Mineralogically, they are an assemblage of plagioclase-amphibole (hornblende, to actinolite)-biotite-orthopyroxene-clinopyroxene, with varying amounts of quartz, cummingtonite, tremolite, ?-anthophyllite, chlorite, garnet & K-feldspar. Pyroxenes are usually orthopyroxene, with lesser clinopyroxene. ‘Opaque’ minerals are typically only magnetite though rare chromite & spinel may be observed. Pegmatoidal ‘gabbros’ are largely related to recrystallisation by leucosomal plagioclase-quartz-biotite, though igneous leucogabbro-anorthositic gabbro to anorthosite sections cannot be ruled out.

Arguably, the 'Mafic Gneiss' mapped farther to the East around Rex & Bug Lakes would correlate or be the same lithological sequence as these mafic volcanic units (as concluded by Parker, 1998).

Ultramafic rocks are sparse, at least in outcrop & are lensoid, layered or podiform in geometry, cropping out along the Werner Lake belt. They represent a suite of rocks including peridotite, (probably lherzolite & harzburgite), pyroxenite, amphibolite/hornblendite, gabbro, melanogabbro, & leucogabbro. The presence of garnet or mica may not necessarily indicate it is primary (see below).

Associated alteration minerals are amphibole (hornblende, actinolite, cummingtonite, tremolite, anthophyllite), biotite, magnetite, serpentine/antigorite, chlorite, talc, calcite amongst others. Olivines are rarely preserved, with, where seen, extensive replacement by serpentine-antigorite.

Primary textures are extremely rarely preserved, though coarse, idioblastic textures are considered to represent primary igneous, possibly cumulate textures. Very well preserved xenoliths of two pyroxene gabbro within granitoids are occasionally noted, & they may represent cumulate material or at least a differentiated mafic volcanic sequence.

Overall, an accurate description of the overall geology of ultramafic units is rendered rather difficult due to the extensive alteration of assemblages that are small & rarely exposed on surface.

The author is in general agreement with e.g. Blackburn & Vogg (1988), that the ultramafic sequence represents deformed, dislocated lenses that originally formed a (semi)-continuous, thicker mafic-ultramafic igneous sill, possibly with a shallow emplaced volcanic component.

The local & regional metamorphism is granulite, with diapthoresis to amphibolite. Granulite facies gabbros are single (ortho)-pyroxene or two pyroxene, with sparse olivine preserved. Typical assemblages in the property area are granoblastic to gneissic, medium- to coarse-grained plagioclase-orthopyroxene-clinopyroxene-cordierite-almandine-garnet-biotite-cordierite-hornblende. This covers gabbros, ultramafic units, & some granitoids.

There is a 'caveat' that some almandine garnets are clearly amphibolite facies products from possible hydrothermal alteration. Biotite is usually an alteration product, again from retrograde metamorphism, as is, arguably cordierite, though the latter is rarely seen on the property, & is better described farther East along the belt. Hercynite has also been described as within several lithologies within the belt.

Alteration assemblages are varied & rather abundant, & reflect not only a large number of original lithologies, but also the effects of regional metamorphism & widespread felsic to intermediate intrusive activity. Additional to the preceding, other assemblages include combinations of include chlorite, quartz, muscovite, sericite, garnet (pyrope to almandine or grossularite), serpentine-antigorite, low-An plagioclase, & potassic feldspar. The vast majority of these reflect retrograde metamorphism & likely a degree of hydrothermal activity.

The structural geology of the region remains poorly understood & a resolution would require some detail mapping of selected exposures & underground mapping. Property scale structural geology is typically considered to be, on a very broad scale, an East-West striking, steeply North dipping sequence having undergone multiphase folding & high strain imposition, resulting in variably granitoid altered, gneissic to protomylonitic, tightly to isoclinally folded 'strata'.

Local-Regional Mineralisation

Sulphide mineralisation occurs in various assemblages, & consists of disseminated to semi-massive pyrite, chalcopyrite, chalcopyrite, violarite, cobaltite, pentlandite, arsenopyrite. The main deposits in this region are the Gordon Lake Cu-Ni mine, the Werner Lake Cobalt Mine & the Norpax Cu-Ni deposit.

Historically, mineralisation at Norpax was considered to be hosted by what was termed peridotite. This actually covers a suite of variably altered mafic to ultramafic volcanic lithotypes. A very generalised geology put forth by various workers, is a southern sequence of predominantly intrusive granitoid, a 'middle' sequence of orthogneiss, mafic to ultramafic volcanic rocks (includes the so-called 'peridotite'), & to the North, mafic gneisses & granitoid intrusive rocks.

The degree of late felsic, granitoid intrusive activity is variable, though dominant in the South. All sequences appear to have undergone some degree of intrusion & replacement of mainly mafic (ortho) gneisses. Overprinting all is late granitic pegmatite.

The local structural geology is complex & requires additional information from future drilling on & around Norpax. Surface exposures to date have yielded some indications of the overall geometry of the sequence. Combined with information from this drill programme & past drilling, it is considered that nearly all of the supracrustal sequence has undergone significant folding & variable shearing, (s.s.), with the dominant control on mineralisation being original volcanic stratigraphy & its preservation within a relative low strain regime within second or third order, Type 1+2 interference folding. The oft held notion that mineralisation is related to the major East-West striking Werner Lake fault & a north-east trending fault is considered to be incorrect.

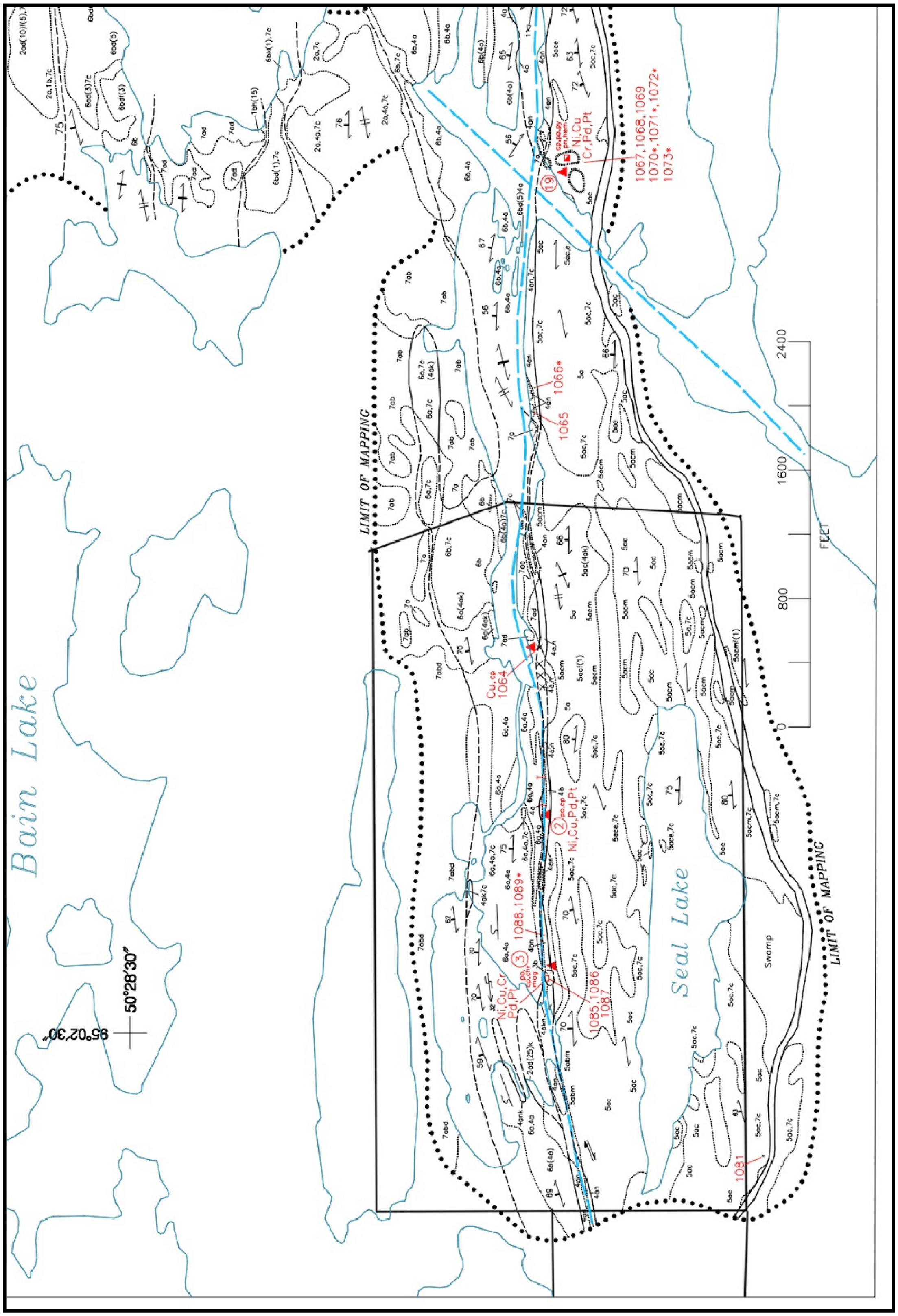


Fig. 7 Property Geology, from Parker, 1994, 1998

Legend for Fig. * preceding. From Parker, 1994, 1998***

7 Syn-tectonic to late-tectonic felsic to intermediate intrusive rocks

7a Granite-granodiorite; buff-grey to pink weathering; massive
7b Porphyritic; pink feldspar phenocrysts (106 cm)
7c Pegmatite dykes (feldspar + quartz ± biotite); pink to white weathering
7d Diffuse pegmatitic phases
7e Mafic xenoliths
7f Mafic clots (0.5-1 cm); actinolite + magnetite± biotite
7g Moderately to strongly foliated

6 Syn-tectonic to late tectonic felsic to intermediate peraluminous intrusive rocks

6a Inhomogeneous diatexitic metasedimentary migmatite; massive; medium- to coarse-grained, pink to white weathering granitoid & pegmatoid material with 10-40% strongly foliated wacke and pelitic palaeosome.
6b Homogeneous diatexitic metasedimentary migmatite; massive; medium- to coarse-grained, white to pink weathering granitoid and pegmatioid material with less than 10% strongly foliated wacke and pelitic palaeosome
6c Disseminated magnetite and magnetite clots in granitoid and pegmatoid material
6d Porphyroblastic garnet (0.5-4 cm); % indicated
6e Porphyroblastic cordierite (0.5-4 cm); % indicated
6f Highly strained with mylonitized zones 10cm-1m wide

5 Syn-tectonic felsic to intermediate intrusive rocks

5a Tonalite-granodiorite; white to buff-grey weathering
5b Highly strained with mylonitized zones
5c Moderately to strongly foliated
5d Mafic clots (0.5-1cm); actinolite+magnetite±biotite
5e Mafic xenoliths; medium grained
5f Porphyroblastic garnet (0.5-2.5 cm); % indicated
5g Porphyroblastic cordierite (0.5-2 cm) & cordierite layers; % indicated
5h Porphyroblastic orthopyroxene (0.5-1 cm)
5k Porphyritic; feldspar phenocrysts (0.5-2 cm)
5m Xenoliths of metataxitic metasedimentary migmatite

4 Syn-tectonic Mafic Rocks

4a Hornblende gabbro (hornblende+plagioclase); fine- to medium-grained; moderately to strongly foliated
4b Porphyritic hornblende gabbro (amphibole+plagioclase with 3-15% plagioclase phenocrysts 0.5-5 cm in size); medium-grained; moderately to strongly foliated
4c Gabbro (amphibole+plagioclase +5-15% orthopyroxene+25-80% magnetite); medium-grained; moderately to strongly foliated; may contain pegmatitic phases

4d Orthopyroxene gabbro (25-50% orthopyroxene+amphibole+plagioclase±biotite); medium- to coarse-grained; moderately foliated; brown weathering orthopyroxene
4e Pyroxene gabbro (orthopyroxene+clinopyroxene+plagioclase+biotite±minor amphibole); medium- to coarse-grained; moderately foliated; brown weathering orthopyroxene & green weathering clinopyroxene; may contain leucosome pods (feldspar+quartz+orthopyroxene+clinopyroxene)
4f Leucogabbro/anorthosite (plagioclase+amphibole+orthopyroxene+biotite); coarse-grained to pegmatitic; massive to highly strained; may contains 2-15% magnetite
4g Altered leucogabbro (1-90% cordierite+3-25% biotite+hercynite±garnet); medium-grained
4h Gabbroic dykes &/or sills (amphibole+plagioclase+orthopyroxene); may have 'mottled' weathered surfaces
4k Lenses or pods of variably foliated ultramafic-mafic igneous rocks (may have reaction rims)
4m Leucogabbro/anorthosite xenoliths; highly foliated
4n White feldspar+quartz±biotite pegmatoid
4p Porphyroblastic amphibole (0.5-1.5 cm)
4q Chloritic
4r Biotitic

3 Syn-tectonic ultramafic rocks

3a Pyroxenite/peridotite (orthopyroxene+olivine+hercynite+magnetite±clinopyroxene±chromite); medium- to coarse-grained; massive
3b Altered pyroxenite (actinolite±altered pyroxene±chlorite±serpentine + 15-80% combined magnetite and chromite); medium- to coarse-grained; massive to strongly foliated
3c Pyroxenite (orthopyroxene + amphibole±15-80% combined magnetite & chromite + hercynite)
3d Biotitic
3e Carbonate
3f Chloritic

Replacement Skarn (Ultramafic protolith)
3g Calc-silicate rock (calcite + forsterite + hercynite + tremolite + antigorite (after olivine)±magnetite); medium-grained; massive &/or layered
3h Calc-silicate rock (calcite + antigorite (after olivine)±chondrodite±hercynite); fine- to medium-grained; massive &/or layered
3k Amphibolite (hastingsite + hornblende + tremolite±clinozoisite±clinochlore); coarse-grained; massive

2 Clastic metasedimentary rocks and derived migmatite

2a Metataxitic metasedimentary migmatite; 40-90% moderately to strongly foliated wacke and pelitic palaeosome (quartz + plagioclase±biotite±garnet) interlayered with medium- to coarse-grained granitoid and pegmatoid leucosome
2b Leucocratic plagioclase + quartz + orthopyroxene + biotite gneiss; medium grained; moderately foliated
2c Porphyroblastic blocky, black orthopyroxene (5-25% & 0.5-3 cm in size) in wacke and pelitic palaeosome
2d Porphyroblastic garnet (0.5-4 cm) in palaeosome; % indicated
2e Porphyroblastic to massive cordierite (0.5-4 cm) in palaeosome; % indicated
2f Porphyroblastic garnet (0.5-4 cm) in leucosome; % indicated
2g Porphyroblastic to massive cordierite (0.5-4 cm) in leucosome; % indicated
2h Calc-silicate pods (diopside-rich)
2k Highly strained with mylonitized zones

1 Mafic gneiss

1a Hornblende + biotite + plagioclase + magnetite gneiss; fine- to medium-grained; weakly to moderately foliated
1b Hornblende + biotite + plagioclase + magnetite gneiss; medium- to coarse-grained; moderately to strongly foliated
1c Amphibole + saussuritized plagioclase + chloritised biotite + quartz gneiss; fine- to medium-grained; moderately to strongly foliated
1d Garnet-biotite schist±clinozoisite±clinochlore; medium- to coarse-grained; strongly foliated
1g Porphyroblastic, blocky, black orthopyroxene (5-25% and 0.5-3 cm in size)
1h Porphyroblastic garnet (0.5-4 cm); % indicated
1k Porphyroblastic to massive cordierite (0.5-4 cm); % indicated
1m Layering; compositional &/or textural differences between layers
1n Highly strained
1p Feldspar + biotite ±quartz±garnet±cordierite leucosome
1q 50-90% cordierite + orthopyroxene + biotite±magnetite with associated feldspar + cordierite±biotite leucosome; massive to strongly foliated

6. MINERALISATION

There are several mineral showings plus the Norpax deposit on & around the area of interest. The following descriptions are taken from Parker, (1998).

1. DEPOSIT NAME: ALCOCK-- MOSHER A AND A1 SHOWINGS
COMMODITIES: Ni, Cu, Cr, Pt, Pd
UTM COORDINATES: 357304.0 m E, 5592365.0 m N UTM ZONE: 15
UTM Datum: NAD27 MDI No.: MDI52L06NE00019 Claim Map No.: G-2636
Mining Division: Kenora Area Name: Reynar Lake

LOCATION AND ACCESS:
Almo Lake can be accessed from the Gordon Lake mine road. Launch a canoe on the narrow east-striking arm of Almo Lake and paddle west along the south shore of the arm. Look for orange-brown gossan and large bro- ken pieces of rock in a shallow, overgrown test pit on the south shore of the lake. The pit is at the water 's edge but difficult to see from the lake. The occurrence can also be located by simply walking north for 100 to 150 m from the Gordon Lake mine road to the south shore of Almo Lake and walking along the shoreline until the test pit is located.

EXPLORATION HISTORY:
1953: C. Alcock staked 60 claims at Almo (Tigar) Lake in July, 1953 after discovering and trenching 3 mineralized "peridotite" showings along the south shore of Almo Lake. Two grab samples taken by Mr. Alcock from test pits at the A and A1 showings analyzed 1.56% Ni, 0.65% Cu and 1.17% Ni, 2.83% Cu. C. Alcock and A. Mosher optioned the property to Selco Exploration Co. in August, 1953. Selco sampled the property, conducted a ground magnetic geophysical survey and diamond drilled 2 holes totalling 424 feet on the A and A1 showings.

1954–1955: Norpax Oils and Mines Ltd. conducted ground magnetic geophysical surveys and diamond drilled 8 holes on the A and A1 showings. The holes intersected "mineralized peridotite" but analyses were not reported.

1970–1971: Consolidated Manitoba Mines Ltd. conducted ground magnetic and electromagnetic geophysical surveys and geological mapping.

1975: Consolidated Canadian Faraday Ltd. conducted ground magnetic geophysical surveys over the A and A1 showings and the north shore of Almo Lake.

1991: W. Hood and R. Knappett staked the property and completed geological mapping and ground magnetic geophysical surveys.

GEOLOGICAL DESCRIPTION:
Province: Superior Subprovince: English River Assemblage: English River
Metamorphism: 1) Type: Regional 2) Grade: Amphibolite
The Alcock-- Mosher property is situated along the east-striking, vertical to north-dipping Werner-- Rex lakes fault that extends along the contact between metasedimentary

migmatite to the north and tonalitic rocks of the Marijane batholith to the south. The fault strikes east across the Manitoba-- Ontario provincial boundary through Reynar, Almo, Gordon, Werner and Rex lakes to Bug Lake and beyond for a strike length of about 32 km. The fault bifurcates into several fault splays at the east end of Werner Lake and the east end of Reynar Lake. Overall horizontal displacement along the fault is interpreted to be dextral. Mineral lineations along the
south shore of Almo Lake have shallow plunges to the west-northwest.

Deformed, metamorphosed and metasomatized gabbro, leucogabbro, anorthosite and ultramafic pods are situated within and adjacent to the Werner-- Rex lakes fault. The ultramafic-mafic intrusive rocks may have originally been part of one stratiform, layered intrusion. The ultramafic pods are relatively small, amphibolitized and recrystallised and host oxide and sulphide minerals such as magnetite, chromite, pyrrhotite and chalcopyrite. The Alcock-- Mosher A and A1 showings consist of 2 ultramafic pods located in the footwall of the Werner-- Rex lakes fault. The footwall consists of mylonitized tonalite-granodiorite of the Marijane batholith. The hanging wall consists of diatexite containing garnet and cordierite porphyroblasts.

LITHOLOGIC DESCRIPTION:
The dominant lithologies at the Alcock-- Mosher showings consist of ultramafic rocks hosting variable amounts of sulphide mineralization; tonalite-granodiorite; and metasedimentary migmatite.

The ultramafic rocks are dark green, massive, medium-grained, very hard and host disseminated magnetite, pyrrhotite and chalcopyrite. In thin section the rocks have a recrystallised, granoblastic, polygonal texture and are composed of pale green, weakly pleochroic amphibole (actinolite-tremolite); large patches of antigorite; and dark green hercynite.

The tonalite-granodiorite is medium-grained, relatively equigranular, pink-grey with diffuse pegmatitic or pink granitic patches. The tonalite is very strongly foliated with narrow (< 20 cm) mylonite zones and a common gneissic texture with mafic platy minerals segregated into layers. The tonalite commonly hosts small xenoliths of gabbro and ultramafic rock and late pegmatite dikes.

The migmatite is a massive, medium- to coarse-grained, homogeneous diatexite consisting of pink-white weathering granitoid and pegmatoid material with less than 10% strongly foliated wacke and pelitic palaeosome. The migmatite may contain 5-25% red-brown garnet porphyroblasts and 0-5% cordierite porphyroblasts.

MINERAL DESCRIPTION:
Sulphide minerals consist of chalcopyrite, pyrrhotite and possible violarite. Disseminated magnetite and hercynite were also observed.
Sulphide and oxide minerals are disseminated throughout the ultramafic rocks. Sulphide minerals also occur along 2 mm wide fractures with pale green actinolite-tremolite alteration halos. The combined sulphide mineral content is about 5%. In thin section the

sulphide minerals are disseminated around silicate mineral grain boundaries and concentrated along hairline fractures. Selco geologists identified violarite at this occurrence.

Diamond drilling, conducted by Selco, intersected a fault zone and 3-5% combined chalcopyrite-pyrrhotite in serpentinised talc-chlorite-biotite schist; serpentinised ultramafic rock; and hornblende-biotite gneiss with variable amounts of garnet. The best mineralized drill-hole sections analyzed 0.21% Ni and 0.39% Cu across 6 feet in DDH No. 1 (Showing A) and 0.15% Ni and 0.03% Cu across 5 feet in DDH No. 2 (Showing A1).

Two chip samples taken by Selco analyzed 0.90% Ni and 0.58% Cu across 5 feet and 0.51% Ni and 0.33% Cu across 5 feet while 3 grab samples analyzed 1.03% Ni, 0.25% Cu; 1.32% Ni, 0.44% Cu and 0.21% Ni, 0.21% Cu (grab sample across 15 feet). Selco diamond drilled 2 holes (DDH No.7 and No. 8) 600 and 800 feet west of the A showing to test 2 strong magnetic anomalies. The holes intersected the fault zone but failed to intersect mineralized peridotite or any magnetic rock that would explain the presence of the anomalies.

ALTERATION DESCRIPTION:
The primary mineralogy of the ultramafic rocks has been replaced by a prograde metamorphic mineral assemblage of actinolite-tremolite and hercynite with retrograde alteration of amphibole to antigorite.

MINERALIZED ZONE:
Name: A showing Length: 12.2 m Thickness: 3.65 m Strike: 2700 Dip: 800 Plunge: west-northwest-
Shape: Cylinder Structure: Fault Character: Podiform
Classification: Magmatic

ASSESSMENT FILES (Kenora Resident Geologist office):
52L06NE B-1, F-1, K-2, N-1 and U-1.

ASSAYS:

Sample No.	Rock Name	Au (ppb)	Ag (ppm)	Pd (ppb)	Pt (ppb)	Cr (ppm)	Co (ppm)	Ni (ppm)	Cu (ppm)	Zn (ppm)
94JRP1076	u/m rock	15	3	519	118	3128	143.7	0.40%	2892	71.15
94JRP1078	u/m rock	6	3	366	143	2602	118.9	2565	1069	61.78

u/m – ultramafic rock

2. DEPOSIT NAME: ALCOCK-- MOSHER B, B1 AND C SHOWINGS

Claim 4213104
COMMODITIES: Ni, Cu, Pd, Pt
UTM COORDINATES: 355673.0 m E, 5592469.0 m N UTM ZONE: 15
UTM Datum: NAD27 MDI No.: MDI52L06NE00020 Claim Map No.: G-2636
Mining Division: Kenora Area Name: Reynar Lake

LOCATION AND ACCESS:
Almo Lake can be accessed from the Gordon Lake mine road. Launch a canoe on the narrow east-striking arm of Almo Lake and paddle west to the extreme west shore of the arm. Leave the canoe on the shore and walk due west about 180 to 200 m along the narrow, linear gully between the steep outcrop ridges. The trenches are situated along the base of the steep outcrops on either side of the gully. Unfortunately, very little can be seen since the trenches are full of water, moss and debris and overgrown with vegetation.

EXPLORATION HISTORY:
1953: C. Alcock staked 60 claims at Almo (Tigar) Lake in July, 1953 after discovering and trenching 3 mineralized “peridotite” showings along the south shore of Almo Lake. A grab sample taken by Mr. Alcock from the B and C showings analyzed 0.58% Ni. C. Alcock and A. Mosher subsequently optioned the property to Selco Exploration Co. in August, 1953.
Selco sunk 8 trenches in overburden across the narrow gully, conducted a ground magnetic survey and diamond drilled 3 holes totalling 576 feet. The holes intersected biotite-talc-chlorite schist and variably mineralized “peridotite”.

1954-- 1955: Norpax Oils and Mines Ltd. conducted ground magnetic geophysical surveys and diamond drilled 14 holes totalling 3672 feet. The holes intersected “mineralized peridotite” but analyses were not reported.

Results were reported for DDH No. 1 and 2 in The Northern Miner the best result being 0.83% Ni and 0.48% Cu across 12.5 feet.

1962: Norpax Oils and Mines Ltd. conducted ground magnetic and electromagnetic geophysical surveys.

1970-1971: Consolidated Manitoba Mines Ltd. conducted ground magnetic and electromagnetic geophysical surveys and geological mapping.

1975: Consolidated Canadian Faraday Ltd. conducted ground magnetic geophysical surveys over the B and C showings.

1991: W. Hood and R. Knappett staked the property and completed geological mapping and ground magnetic geophysical surveys.

GEOLOGICAL DESCRIPTION:

Province: Superior Subprovince: English River Assemblage: English River
Metamorphism: 1) Type: Regional 2) Grade: Amphibolite

The Alcock-- Mosher property is situated along the east-striking, vertical to north-dipping Werner-- Rex lakes fault that extends along the contact between metasedimentary migmatite to the north and tonalitic rocks of the Marijane batholith to the south. The fault strikes east across the Manitoba-- Ontario provincial boundary through Reynar, Almo, Gordon, Werner and Rex lakes to Bug Lake and beyond for a strike length of about 32 km. The fault bifurcates into several fault splays at the east end of Werner Lake and the east end of Reynar Lake. Overall horizontal displacement along the fault is interpreted to be dextral.

Deformed, metamorphosed and metasomatised gabbro, leucogabbro, anorthosite and ultramafic pods are situated within and adjacent to the Werner-Rex lakes fault. The ultramafic-mafic intrusive rocks may have originally been part of one stratiform, layered intrusion. The ultramafic pods are relatively small, amphibolitised and recrystallised and host oxide and sulphide minerals such as magnetite, chromite, pyrrhotite and chalcopyrite. The Alcock-- Mosher B, B1and C showings consist of several small ultramafic pods located in the footwall of the Werner-- Rex lakes fault. The footwall consists of mylonitized tonalite-granodiorite of the Marijane batholith intruded by late pegmatite dikes. The hanging wall consists of diatexite with numerous tectonic inclusions and lenses of amphibolitised gabbro.

LITHOLOGIC DESCRIPTION:
The dominant lithologies at the Alcock-Mosher showings consist of ultramafic rocks hosting variable amounts of sulphide mineralization; gabbro; tonalite-granodiorite; and metasedimentary migmatite.
Ultramafic rocks are not exposed at this occurrence. Reports from assessment files describe the rock as mineralized peridotite pods that pinch and swell along a strike length of about 300 m. Diamond drilling intersected altered ultramafic rock on both sides of the fault.

The gabbro occurs along the south side of the gully on the footwall side of the fault. The gabbro is dark grey-green, medium-grained, amphibolitised, recrystallised and strongly foliated. Feldspar porphyritic gabbro containing 40 to 60% white plagioclase phenocrysts up to 5 cm x 3 cm in size is situated in close proximity to the trenches. The feldspar phenocrysts are moderately flattened in strongly foliated gabbro.

The tonalite-granodiorite is medium-grained, relatively equigranular, pink-grey with diffuse pegmatitic or pink granitic patches. The tonalite is very strongly foliated with narrow (< 20 cm) mylonite zones and a common gneissic texture with mafic platy minerals segregated into layers. The tonalite commonly hosts small xenoliths of gabbro and ultramafic rock and late pegmatite dikes.

The migmatite is a massive, medium- to coarse-grained, inhomogeneous diatexitic metasedimentary migmatite consisting of pink-white weathering granitoid and pegmatoid material with 10 to 40 % strongly foliated wacke and pelitic palaeosome. The migmatite may contain tectonic inclusions and lenses of amphibolitised gabbro.

MINERAL DESCRIPTION:
Mineralization is not exposed at the occurrence. Geological reports in assessment files indicate that the majority of peridotite intersected in diamond drilling, and exposed in trenches, was weakly mineralized with up to 10% pyrrhotite and minor chalcopyrite. Selco reported about 3% disseminated pyrrhotite in the foliated tonalite on the footwall side of the trenches.

The following analyses were reported from Selco's diamond drilling and trench sampling: DDH No. 4 (Showing B) intersected 0.21% Ni, 0.14% Cu across 10 feet; DDH No.5 (Showing C) intersected 0.64% Ni, 0.33%

Cu across 31.5 feet; and DDH No. 6 (Showing B1) intersected 0.59% Ni, 0.21% Cu across 8.3 feet. Two channel samples collected at Showing C analyzed: 0.2% Ni and 0.81% Cu across 2 feet; and 0.72% Ni and 0.62% Cu across 6 feet. A grab sample taken from Showing C analyzed 0.51% Ni and 0.14% Cu. A 20-foot chip sample taken at Showing B1 analyzed 0.18% Ni, 0.16% Cu, 0.02 opt Pt and 0.02 opt Pd. Trenches at Showing C exposed a complete bedrock section across the fault zone while the other trenches exposed weakly mineralized peridotite float and partial bedrock sections.

ALTERATION DESCRIPTION:
Information on the alteration was obtained from diamond-drill logs and geological reports in assessment files.

Diamond drilling intersected ultramafic pods with thick outer margins of biotite-chlorite-talc schist and serpentinised "peridotite" enclosing a less altered peridotite core.

MINERALIZED ZONE:
Name: B, B1 and C showings Length: 304.0 m Thickness: 11.58 m Strike: 2700 Dip: 800
Plunge: west-northwest Shape: Cylinder Structure: Fault Character: Podiform
Classification: Magmatic

ASSESSMENT FILES (Kenora Resident Geologist office):
52L06NE B-1, F-1, K-2, N-1 and U-1.

ASSAYS:
No samples taken at this location due to poor exposure.

3. DEPOSIT NAME: ALCOCK-- MOSHER D SHOWING
Claim 4213104
COMMODITIES: Ni, Cu, Cr, Pd, Pt
UTM COORDINATES: 355163.0 m E, 5592418.0 m N UTM ZONE: 15
UTM Datum: NAD27 MDI No.: MDI52L06NE00021 Claim Map No.: G-2636
Mining Division: Kenora Area Name: Reynar Lake

LOCATION AND ACCESS:
Almo Lake can be accessed from the Gordon Lake mine road. Launch a canoe on the narrow east-striking arm of Almo Lake and paddle west to the extreme west shore of the arm. Leave the canoe on the shore and walk due west about 580 m along the narrow, linear gully between the steep outcrop ridges. A test pit is situated under blown down trees on top of a steep outcrop on the south side of the gully. The pit is also 30 to 50 m from the shore of a small unnamed lake immediately west of Almo Lake. Unfortunately, very little can be seen in the test pit. A small outcrop exposure of the ultramafic pod is situated beside the pit.

EXPLORATION HISTORY:
1953: C. Alcock staked 60 claims at Almo (Tigar) Lake in July, 1953 after discovering and trenching 3 mineralized “peridotite” showings along the south shore of Almo Lake. A grab sample taken by Mr. Alcock from the D showing, analyzed 1.04% Ni and 1.16% Cu. C. Alcock and A. Mosher subsequently optioned the property to Selco Exploration Co. in August, 1953. Selco sampled the property and conducted a ground magnetic geophysical survey.

1954-1955: Norpax Oils and Mines Ltd. conducted ground magnetic geophysical surveys and diamond drilled 19 holes. The holes intersected “mineralized peridotite” but analyses were not reported.

1962: Norpax Oils and Mines Ltd. conducted ground magnetic and electromagnetic geophysical surveys.

1970-1971: Consolidated Manitoba Mines Ltd. conducted ground magnetic and electromagnetic geophysical surveys and geological mapping.

1975: Consolidated Canadian Faraday Ltd. conducted ground magnetic geophysical surveys over the B and C showings.

1991: W. Hood and R. Knappett staked the property, completed geological mapping and ground magnetic geophysical surveys.

GEOLOGICAL DESCRIPTION:
Province: Superior Subprovince: English River Assemblage: English River
Metamorphism: 1) Type: Regional 2) Grade: Amphibolite
The Alcock-- Mosher property is situated along the east-striking, vertical to north-dipping

Werner-- Rex lakes fault that extends along the contact between metasedimentary migmatite to the north and tonalitic rocks of the Marijane batholith to the south. The fault strikes east across the Manitoba-- Ontario provincial boundary through Reynar, Almo, Gordon, Werner and Rex lakes to Bug Lake and beyond for a strike length of about 32 km. The fault bifurcates into several fault splays at the east end of Werner Lake and the east end of Reynar Lake. Overall horizontal displacement along the fault is interpreted to be dextral. S-drag folds with shallow
plunges to the west were observed immediately north of the fault.

Deformed, metamorphosed and metasomatized gabbro, leucogabbro, anorthosite and ultramafic pods are situated within and adjacent to the Werner-- Rex lakes fault. The ultramafic-mafic intrusive rocks may have originally been part of one stratiform, layered intrusion. The ultramafic pods are relatively small, amphibolitised and recrystallised and host oxide and sulphide minerals such as magnetite, chromite, pyrrhotite and chalcopyrite. The Alcock-- Mosher D showing consists of a small ultramafic pod located in the footwall of the Werner-Rex lakes fault. The footwall consists of mylonitized tonalite-granodiorite of the Marijane batholith intruded by late pegmatite dikes. The hanging wall consists of diatexite with numerous tectonic inclusions and lenses of amphibolitised gabbro.

LITHOLOGIC DESCRIPTION:
The dominant lithologies at the Alcock-- Mosher showings consist of ultramafic rocks hosting variable amounts of sulphide mineralization; gabbro; tonalite-granodiorite; and metasedimentary migmatite.

The ultramafic rocks are coarse-grained and dark green with large angular and amoeboid aggregates of magnetite up to 9 cm x 5 cm in size and large disseminated magnetite crystals with octahedron shapes. In thin section the rock is recrystallised with a granoblastic, polygonal texture and consists of pale green, weakly pleochroic amphibole (actinolite-tremolite) and large patches of very fine-grained antigorite.

The gabbro occurs along the south side of the gully on the footwall side of the fault. The gabbro is dark grey-green, medium-grained, amphibolitised, recrystallised and strongly foliated. Feldspar porphyritic gabbro containing 40 to 60% white plagioclase phenocrysts up to 5 cm x 3 cm in size is situated in close proximity to the trenches. The feldspar phenocrysts are moderately flattened in strongly foliated gabbro.

The tonalite-granodiorite is medium-grained, relatively equigranular, pink-grey with diffuse pegmatitic or pink granitic patches. The tonalite is very strongly foliated with narrow (< 20 cm) mylonite zones and a common gneissic texture with mafic platy minerals segregated into layers.

The tonalite commonly hosts small xenoliths of gabbro and ultramafic rock and late pegmatite dikes.

The migmatite is a massive, medium- to coarse-grained, inhomogeneous diatexitic metasedimentary migmatite consisting of pink-white weathering granitoid and pegmatoid material with 10 to 40 % strongly foliated wacke and pelitic palaeosome. The migmatite may contain inclusions and lenses of amphibolitised gabbro.

MINERAL DESCRIPTION:
Sulphide minerals consist of pyrrhotite and chalcopyrite. Magnetite and chromite were also observed.
Ultramafic rocks host up to 10% disseminated pyrrhotite and 3% disseminated chalcopyrite. Magnetite and chromite occur in large irregular aggregates and individual disseminated crystals. In thin section the sulphide minerals are disseminated around silicate mineral grain boundaries and concentrated along hairline fractures or in irregular aggregates.

Three chip samples taken by Selco at the occurrence analyzed as follows: 0.28% Ni and 0.04% Cu across 5 feet; 0.31% Ni and 0.08% Cu across 2 feet; and 0.24% Ni and 0.11% Cu across 3 feet. A grab sample analyzed 0.28% Ni and nil Cu.

ALTERATION DESCRIPTION:
The primary mineralogy of the ultramafic rocks has been replaced by a prograde metamorphic mineral assemblage of actinolite-tremolite with retrograde alteration of amphibole to antigorite.

MINERALIZED ZONE:
Name: D showing Length: 15.24 m Thickness: 9.14 m Strike: 2700 Dip: 800 Plunge: west-northwest
Shape: Cylinder Structure: Fault Character: Podiform
Classification: Magmatic

ASSESSMENT FILES (Kenora Resident Geologist office):
52L06NE B-1, F-1, K-2, N-1 and U-1.

ASSAYS:

Sample No.	Rock Name	Au (ppb)	Ag (ppm)	Pd (ppb)	Pt (ppb)	Cr (ppm)	Co (ppm)	Ni (ppm)	Cu (ppm)	Zn (ppm)
94JRP1085	u/m rock	< 3	2	308	103	2.7%	240.3	2509	898	126.9
94JRP1086	u/m rock	31	4	1145	249	5457	378.1	0.39%	2552	36.17
94JRP1087	u/m rock	6	5	399	87	14900	325.4	2875	2114	79.63
94JRP1088	gabbro	<3	4	<5	<10	220	54.62	47	184	53.99

u/m - ultramafic

Sample 94JRP1086 also analyzed 0.85% Cr_2O_3.

19. DEPOSIT NAME: NORPAX OILS AND MINES LTD. PROSPECT
East adjacent of Claim 4213104
COMMODITIES: Ni, Cu, Cr, Pd, Pt
UTM COORDINATES: 356739.0 m E, 5592310.0 m N UTM ZONE: 15
UTM Datum: NAD27 MDI No.: MDI52L06NE00016 Claim Map No.: G-2636
Mining Division: Kenora Area Name: Reynar Lake Mining Location: KRL 34766

LOCATION AND ACCESS:
The property is accessible from the Gordon Lake mine road. The shaft and rock dump is located on the south shore of Almo (Tigar) Lake and is visible from the road. Walk approximately 60 m north of the road to the shaft site.

EXPLORATION HISTORY:
1953: C. Alcock discovered and trenched three copper-nickel occurrences in mineralized ultramafic pods along the south shore of Almo Lake. Selco Exploration Co. Ltd. conducted geophysical surveys and diamond drilling.

1954-1957: Norpax Oils and Mines Ltd. acquired the property and conducted extensive diamond drilling followed by underground exploration and development. A 3-compartment vertical shaft was sunk to 402 feet with drifting conducted on 2 levels established at the 250- and 375-foot levels. A narrow zone of sulphide mineralization was delineated by diamond drilling along a strike length of 1400 feet. The company changed its name to Norpax Nickel Mines Ltd. in 1957 and operations were suspended.

1962: Optioned to Nickel Mining and Smelting Corp. who dewatered the workings and conducted underground sampling.

1970: Optioned to Consolidated Manitoba Mines Ltd. who conducted ground geophysical surveys and geological mapping.

1977: Two diamond-drill holes totalling 1766 feet were completed by Prestige Mines Ltd.

1988: A 194-foot diamond-drill hole was completed on the property by Ferguson Mining Services.

GEOLOGICAL DESCRIPTION:
Province: Superior Subprovince: English River Assemblage: English River
Metamorphism: 1) Type: Regional 2) Grade: Amphibolite
The prospect is situated along the east-striking, steeply north-dipping Werner-- Rex lakes fault that extends along the contact between metasedimentary migmatite to the north and tonalitic rocks of the Marijane batholith to the south. The fault strikes east across the Manitoba-- Ontario provincial boundary through Reynar, Almo, Gordon, Werner and Rex lakes to Bug Lake and beyond for a strike length of about 32 km. The fault bifurcates into several fault splays at the east end of Werner Lake and the east end of Reynar Lake.

Overall horizontal displacement along the fault is interpreted to be dextral. The Werner-- Rex lakes fault is intersected by a northeast-striking cross fault in the vicinity of the Norpax property.

Deformed, metamorphosed and metasomatised gabbro, leucogabbro, anorthosite and ultramafic pods are situated within and adjacent to the Werner-- Rex lakes fault and may have originally been part of one stratiform, layered intrusion. The ultramafic pods are relatively small, amphibolitised and recrystallised and host oxide and sulphide minerals such as magnetite, chromite, pyrrhotite and chalcopyrite. The footwall of the fault consists of mylonitized tonalite-granodiorite while the hanging wall consists of diatexite with abundant garnet porphyroblasts and tectonic inclusions of gabbro and ultramafic rock.

LITHOLOGIC DESCRIPTION:

The dominant lithologies at the Norpax prospect are ultramafic rocks hosting variable amounts of sulphide mineralization; tonalite-granodiorite; migmatite and gabbro. Diamond drilling intersected pegmatite, biotite gneiss, biotite-amphibole schist and peridotite.

Pieces of ultramafic rock can be found in the waste rock dump near the shaft. The rocks are dark green, massive, medium- to coarse-grained, amphibolitised and commonly biotitic. The ultramafic rock in diamond-drill core is described as a peridotite with biotitic margins that may be garnetiferous. The peridotite is also interlayered with biotite-plagioclase layers and is reported to be enclosed within a biotite-amphibole-plagioclase schist or gneiss.

The gabbro is medium-grained, recrystallised, amphibolitised, biotitic and very strongly foliated. Pieces of gabbro at the rock dump commonly host small pegmatite veins composed of biotite, plagioclase, potassic feldspar and quartz.

The tonalite-granodiorite is medium-grained, relatively equigranular, pink-grey with diffuse pegmatitic or pink granitic patches. The tonalite is very strongly foliated with narrow (< 20 cm) mylonite zones and a common gneissic texture with mafic platy minerals segregated into layers. The tonalite commonly hosts small xenoliths of gabbro and ultramafic rock and late pegmatite dikes.

The migmatite is a massive, medium- to coarse-grained, homogeneous diatexitic metasedimentary migmatite consisting of pink-white weathering granitoid and pegmatoid material with less than 10% strongly foliated wacke and pelitic palaeosome. The migmatite may contain inclusions and lenses of amphibolitised gabbro.

MINERAL DESCRIPTION:

Sulphide minerals consist of chalcopyrite, pyrrhotite, pyrite, pentlandite and violarite. Disseminated magnetite was also observed.

Sulphide mineralization consists of semi-massive to disseminated pyrrhotite, chalcopyrite and pyrite. The semi-massive sulphide minerals have a well developed, strong, protomylonite or "ball-texture" consisting of rounded fragments of wall rock (tonalite, pegmatite, ultramafic rock) embedded in fine-grained pyrrhotite.

This texture is indicative of faulting and solid state remobilization of the sulphide minerals. The sulphide minerals also appear to be remobilized and injected along fractures and thick veins. sulphide minerals are hosted in strongly biotitic, amphibolitised, mafic and ultramafic rocks and late biotite-feldspar-quartz pegmatite dikes. Sulphide mineralization intersected in diamond-drill core is described as 2 to 10% disseminated chalcopyrite and pyrrhotite in biotitic rocks and peridotite. Seams of pyrrhotite and pentlandite were noted in biotite gneiss. Pegmatite dikes host disseminated chalcopyrite.

Underground development work indicated that the mineralization at the 250-foot level occurred within a 650-foot long zone with an average grade of 1.32% Ni and 0.85 % Cu across an average width of 11.8 feet.

The mineralized zone on the 375-foot level was 590 feet long with an average grade of 1.23% Ni and 0.99% Cu across an average width of 26.5 feet. Grab samples from the waste rock dump have analyzed as high as 7000 ppb Pd and 210 ppb Pt (Blackburn et al. 1988).

ALTERATION DESCRIPTION:
Mafic and ultramafic rocks on the waste rock dump are strongly biotitic. Veins of biotite were noted in some gabbroic rocks and large pieces composed entirely of large (< 4 cm) books of biotite are common. The biotitisation is a result of recrystallization of serpentinised ultramafic rocks by a combination of metasomatic and metamorphic reactions between the ultramafic-mafic rocks, felsic country rocks, pegmatites and peraluminous intrusive rocks.

Diamond-drilling intersected variably haematised ultramafic rocks and strong haematisation in the Werner-- Rex lakes fault zone. Diamond-drill hole 2-77 (Assessment file 52L06NE R-- 1) intersected a granite breccia that was re-cemented by hematite in the fault zone.

MINERALIZED ZONE:
Name: Norpax Length: 650 feet Thickness: up to 26.5 feet Strike: 2700 Dip: 800
Plunge: northwest Shape: Sheet or tabular shape Structure: Breccia, Fault Character: Tabular
Classification: Magmatic, remobilized

RESERVES:
COMMODITY GRADE TONNAGE CATEGORY
Nickel 1.2% 1 010 000 tons Probable
Copper 0.5% Probable
SOURCE: Canadian Mines Handbook, 1963, p.215 (Norpax Nickel Mines Ltd.)

ASSESSMENT FILES (Kenora Resident Geologist office):
52L06NE K-2; K-3; N-1; R-1; T-1 and 52L07NW E-2 (A-3).

ASSAYS:

Sample No.	Rock Name	Au (ppb)	Ag (ppm)	Pd (ppb)	Pt (ppb)	Cr (ppm)	Co (ppm)	Ni (ppm)	Cu (ppm)	Zn (ppm)
94JRP1067	bt-rich u/m rock	< 3	4	22	< 10	> 3000	125.2	2100	309	232.8
94JRP1068	gabbro	**	3.5	**	**	**	50.36	113	135	43.09
94JRP1069	u/m rock	12	3	249	81	3636	124.6	2565	1290	66.22

u/m - ultramafic

All samples were collected by the author from the waste rock dump.

Grab samples collected from rock dump material on the Norpax property by J.D. McCannell (Consultant Geologist, Norpax Oils and Mines Ltd.) analyzed 210 ppb Pt and 7000 ppb Pd (Blackburn et al. 1988).

Sample 94JRP1069 also analyzed 0.49% Cr_2O_3.

In core, sulphide mineralisation is seen as recrystallised & remobilised pyrite, pyrrhotite & lesser, fine pentlandite, rare chalcopyrite & arsenopyrite. No concentrations of semi-massive sulphides were intersected. Chalcopyrite & arsenopyrite-pyrite are typically in higher concentrations (albeit still only very weak), in late felsic intrusions, pegmatite or potassic rich leucosome, s.l.

The host rocks for Cu-Ni mineralisation are considered to be a highly altered shallow emplaced mafic-ultramafic sequence. This includes sea-floor effusive activity.

Sulphides are sheared, recrystallised, seen as irregular elongate grains parallel to schistosity/banding, poikilioblastic pyrite containing pyrrhotite, ball sulphides within fragmented host rock or as late stringers within divers lithotypes.

There is abundant evidence of strong deformation/high strain during metamorphism as seen by durchbewegung textures & ball textures, s.l., in the mineralised zone, with fragmentation of the silicate-(sulhide) layers into small ‘pieces’.

7. DRILLING

The single drill hole was designed to test mineralisation previously encountered from surface, diamond drilling & underground exploration.

a) Drilling commenced on 13.10.09, & was completed on 24.10.09

b) Total meterage: 536 metres

c) Collar positioned using hand held GPS

d) Drill Contractor: Layne Christensen

e) Surveys were taken at approximately 50 metre intervals using a single shot reflex.

g) Casing was left in the hole.

Core Logging

Core logging was conducted indoors at the facilities of Mustang Minerals, Maskwa Warehouse, Manitoba.

Images of all core were taken.

Core Storage

Core is stored at the Puget warehouse (ex-Canmines' warehouse), on the Werner Lake deposit site.

Sampling Method

Samples were taken using a rock saw. Half splits were sent for assay/geochemical analysis.

A total of 147 samples were taken for thirty element ICP, Au, Cu-Ni-Cu-Co & Platinum group elements. This includes standards & blanks inserted by Puget Ventures.

Sample Preparation, Analysis & Security

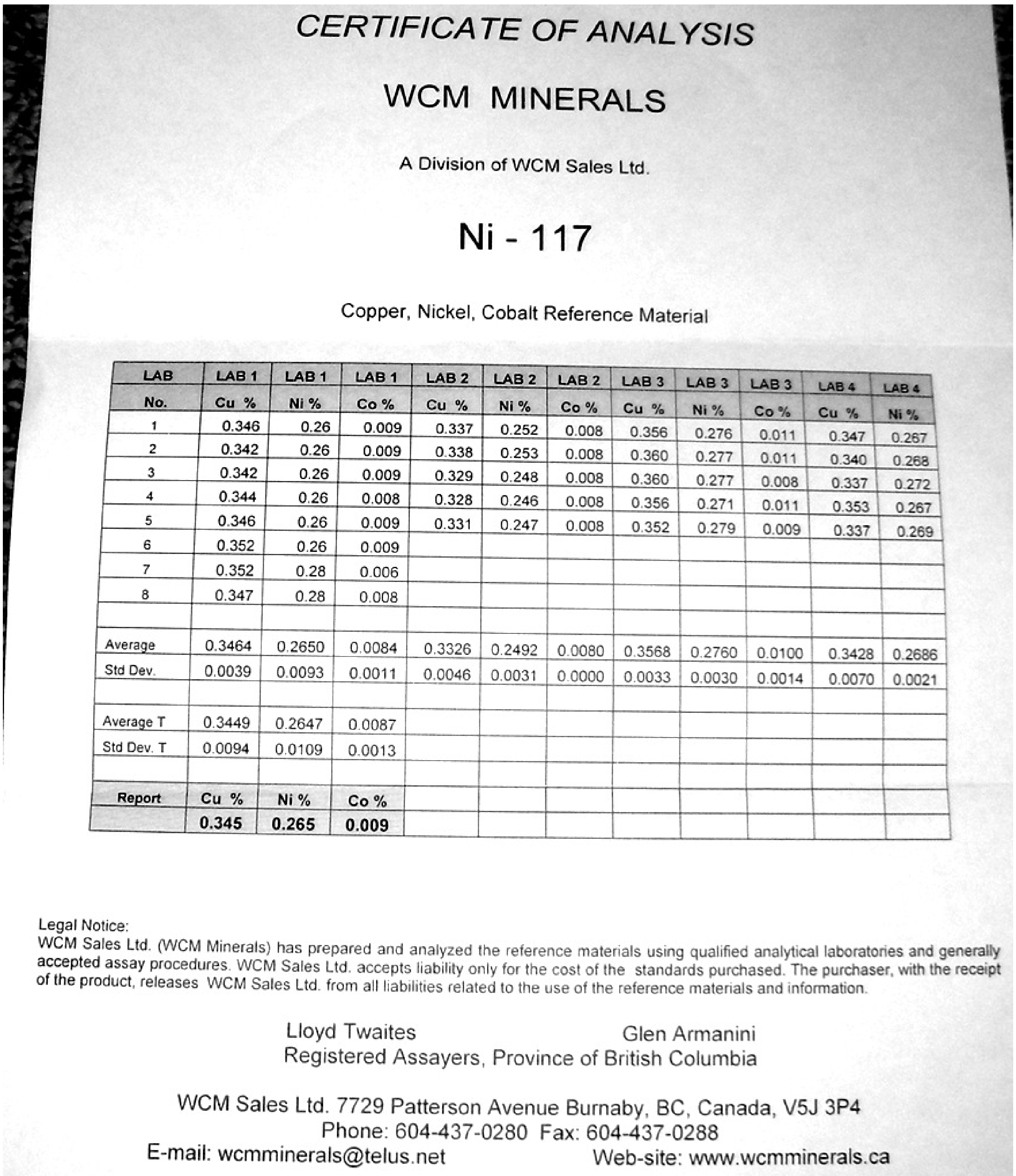
Core sampling was carried out using a electrical powered diamond rock saw supervised by the author.

All samples for assay were half core. All samples were bagged, labelled & despatched to Accurassay Laboratories in Thunder Bay.

QA/QC

Accurassay also inserted its own standards & duplicate samples as per its internal protocols.

Fig. 8 WCM Standard information



CERTIFICATE OF ANALYSIS

WCM MINERALS

A Division of WCM Sales Ltd.

Ni - 117

Copper, Nickel, Cobalt Reference Material

LAB	LAB 1	LAB 1	LAB 1	LAB 2	LAB 2	LAB 2	LAB 3	LAB 3	LAB 3	LAB 4	LAB 4
No.	Cu %	Ni %	Co %	Cu %	Ni %	Co %	Cu %	Ni %	Co %	Cu %	Ni %
1	0.346	0.26	0.009	0.337	0.252	0.008	0.356	0.276	0.011	0.347	0.267
2	0.342	0.26	0.009	0.338	0.253	0.008	0.360	0.277	0.011	0.340	0.268
3	0.342	0.26	0.009	0.329	0.248	0.008	0.360	0.277	0.008	0.337	0.272
4	0.344	0.26	0.008	0.328	0.246	0.008	0.356	0.271	0.011	0.353	0.267
5	0.346	0.26	0.009	0.331	0.247	0.008	0.352	0.279	0.009	0.337	0.269
6	0.352	0.26	0.009								
7	0.352	0.28	0.006								
8	0.347	0.28	0.008								
Average	0.3464	0.2650	0.0084	0.3326	0.2492	0.0080	0.3568	0.2760	0.0100	0.3428	0.2686
Std Dev.	0.0039	0.0093	0.0011	0.0046	0.0031	0.0000	0.0033	0.0030	0.0014	0.0070	0.0021
Average T	0.3449	0.2647	0.0087								
Std Dev. T	0.0094	0.0109	0.0013								
Report	Cu %	Ni %	Co %								
	0.345	**0.265**	**0.009**								

Lloyd Twaites Glen Armanini
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CERTIFICATE OF ANALYSIS

WCM MINERALS

PG 126

Gold, Platinum, Palladium Reference Material

LAB	LAB 1	LAB 1	LAB 1	LAB 2	LAB 2	LAB 2	LAB 3	LAB 3	LAB 3	LAB 4	LAB 4	LAB 4	LAB 5
No.	Au g/t	Pt g/t	Pd g/t	Au g/t	Pt g/t	Pd g/t	Au g/t	Pt g/t	Pd g/t	Au g/t	Pt g/t	Pd g/t	Au g/t
1	1.100	0.689	0.545	1.085	0.659	0.577	1.020	0.640	0.512	1.112	0.687	0.579	1.048
2	1.120	0.684	0.581	1.056	0.702	0.550	1.130	0.710	0.581	1.133	0.757	0.606	1.058
3	1.090	0.681	0.562	1.047	0.655	0.572	1.120	0.740	0.574	1.193	0.718	0.600	1.080
4	1.040	0.687	0.504	1.088	0.661	0.617	1.090	0.640	0.558	1.111	0.707	0.581	1.069
5	1.080	0.653	0.561	0.941	0.665	0.503	1.060	0.710	0.580	1.136	0.684	0.582	1.073
6	1.100	0.702	0.564	1.114	0.659	0.571				1.157	0.752	0.610	1.059
7	1.120	0.708	0.575	1.098	0.680	0.583							
8	1.080	0.666	0.567										
Average	1.091	0.684	0.557	1.061	0.669	0.568	1.084	0.688	0.561	1.140	0.718	0.593	1.065
Std Dev.	0.0259	0.0178	0.0240	0.0579	0.0168	0.0348	0.0451	0.0455	0.0289	0.0309	0.0313	0.0139	0.0116
Average T.	1.088	0.688	0.569										
Std Dev.	0.0452	0.0317	0.0286										
Report	**Au g/t**	**Pt g/t**	**Pd g/t**										
	1.09	**0.688**	**0.569**										

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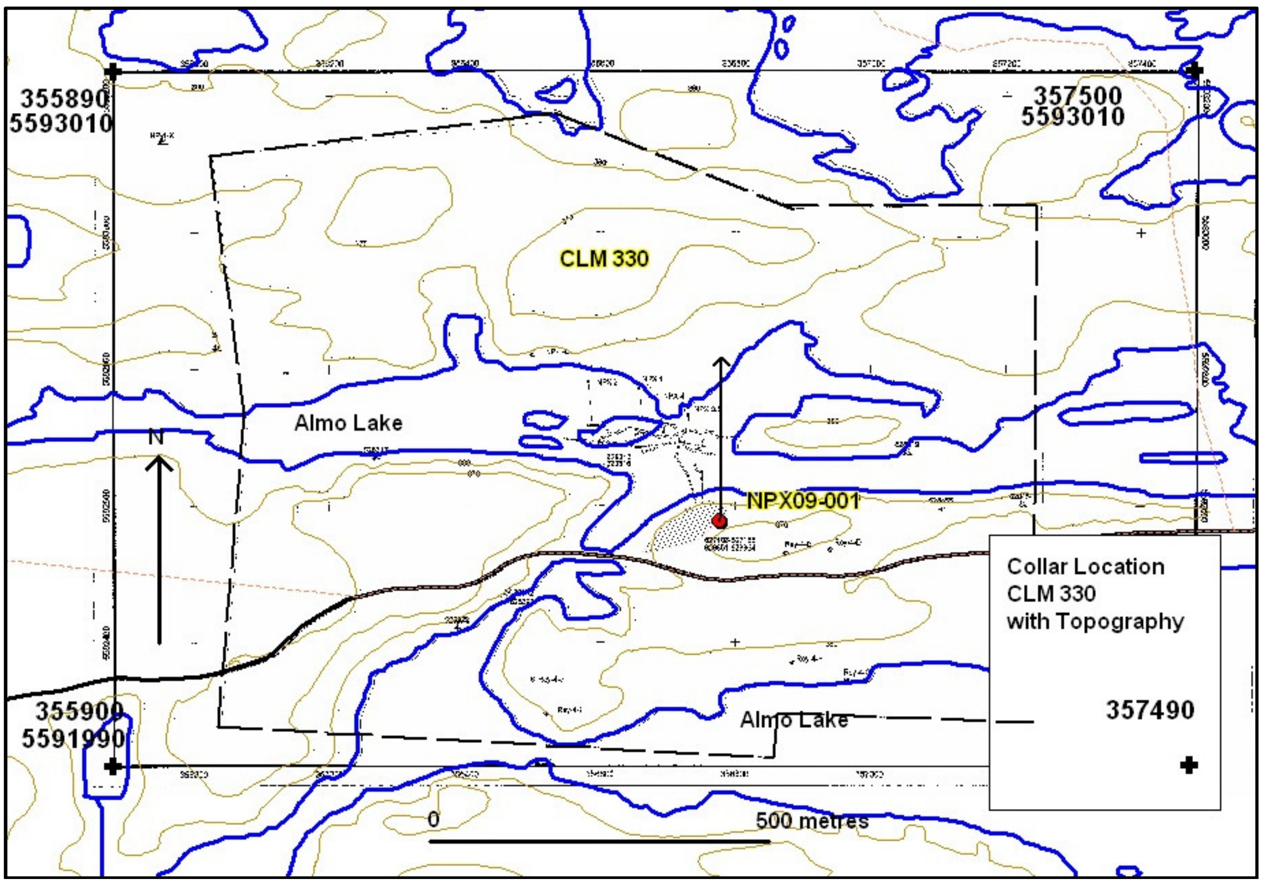
8. RESULTS

The drill hole confirmed (East) & down-plunge/down-dip continuity of mineralisation at the Norpax deposit.

Based on this single drill hole, the sequence across the project area, is more complicated than that presented by previous workers.

Results are provided as certificates of assay& analysis, Appendix. Gold, PGE and ICP (Pt, Pd) assays provided significant results and reported in table following the drill location map..

Below, Fig. 9 Drill Location Map



Significant Results - Hole NPX09-001

Hole No,	Assay No.	From	To	Width	Pt ppb	Pt gpt	Pd ppb	Pd gpt	Co ppb	Cr ppb	Cr %	Cu ppb	Cu %	Ni ppb	Ni %
NPX09-001		276.4	279.9	3.5	166.5	0.2	475.2	0.5	97.4	1727.9	0.2	1002.2	0.1	2476.6	0.2
		291.4	298.1	6.7	163.9	0.2	524.8	0.5	72.5	1646.1	0.2	566.8	0.1	1672.9	0.2
	including	292.8	293.7	0.9	650.0	0.7	1707.0	1.7	63.0	2822.0	0.3	158.0	0.0	1320.0	0.1
	and	295.2	296.3	1.1	60.5	0.1	244.2	0.2	76.0	2443.0	0.2	417.0	0.0	1741.0	0.2
	and	297.0	298.1	1.1	122.0	0.1	282.0	0.3	152.0	1718.0	0.2	1638.0	0.2	4309.0	0.4

9. CONCLUSIONS

The Norpax mineralisation reflects formation within a shallow sub-surface emplaced mafic to ultramafic intrusion. Sulphides are considered to be remobilised & recrystallised from a differentiated peridotite, pyroxenite & amphibolite body of unknown dimensions.

Peak metamorphic grade was granulite with the effects of ?-hydrothermal activity on the system producing a (retrograde) amphibolite facies. The effects of granitoid intrusion are widespread, & locally quite intense. Tonalitic to granodioritic gneiss, & mafic gneiss exhibit variable replacement by leucosomal granitic to dioritic material.

Regional deformation & associated metamorphism has had a profound effect on the nature of the mineralisation & the sequence as a whole.

Geological information suggests there are lithological & mineralogical similarities between that underlying Norpax & the East adjacent Werner Cobalt Deposit. Below is taken from Chapter 9.2 Property Area Geology " (Harper, 2008):

"Ultramafic intrusions occur as small discontinuous pods along the Cu-Ni-PGE Zone fault. These intrusions are up to 100 metres in strike length and are narrow, i.e., tens of metres wide. They rarely outcrop and are only observed smeared on fault walls. The intrusions consist of black, fine-grained, talcose serpentinite with 0-10%, disseminated, fine-grained chalcopyrite, pyrrhotite, nickeliferous pentlandite and pyrrhotite, and usually some magnetite.

An amphibolite layer that hosts the West Cobalt, Werner Lake Mine site, and astern Shallows cobalt deposits, is part of the gneissic stratigraphy on the North side of the deep-seated fault. The amphibolite averages 10 metres wide and extends for tens of kilometres. Typically, the outcrops are too small to depict on a regional geologic (sic) , and are indicated by symbols only as displayed in Fig. 6. In contrast in Fig. 5 (after Carlson, 1957), the areas of granite and paragneiss outcrop over large areas and therefore location of fact versus interpreted geology in these units is easy utilizing different tones of each colour. The amphibolite comprises hornblende and calcic plagioclase and an assemblage of alteration minerals that give it a very distinctive appearance. The alteration assemblage comprises 25% red garnets up to 3 cm; 20-25%, very coarse-grained, overlapping plates of biotite up to 3 cm; 10%, fine –grained, disseminated magnetite, 5% fine-grained epidote, 5% fine- to medium-grained amphibolite (probably hornblende); 20% fine- to medium-grained pyroxene; 10% feldspar and up to 10% muscovite. Disseminated chalcopyrite (up to 10%), pyrrhotite (up to 10%), pyrite (up to 10%), and cobaltite (1%), occur within the altered assemblage. Well-developed alteration assemblages extend as a halo approximately 25 metres around the cobalt deposits. The alteration assemblage has been recognized over a strike length of about five kilometres in the course of the mapping by the Ontario Geological Survey. J.R. Parker (1995) of the Ontario Geological Survey initially termed the altered amphibolite the "Cu-Co Zone." Subsequently, Parker (1998) interpreted the garnet-amphibolite-pyroxene-magnetite assemblage as a skarnoid, formed by an "invading metasomatic hydrothermal fluid that replaced a serpentinised and deformed ultramafic protolith". Pan and Therens (2000), ascribe a syngenetic exhalative or diagenetic origin to the Werner Lake mineralization. Canmine Resources Corporation's Werner Lake land holdings are extensive, extending across major portions of the Werner Lake Belt. The property encompasses the features described as above for the regional and local geology.

"Canmine's geologic (sic) staff developed a model and theory of metallogenesis which suggested that two parallel zones of mineralized rocks are present with one being richer in cobalt and the other in nickel with associated platinum group elements (Ferreira 2002, Ferreira et al., 1998, 1997). If such is the case then different metallurgical characteristics must be anticipated for the different types of mineralisation."

The drilling intersected a footwall sequence of tonalite, tonalite gneiss, quartz diorite, diorite & granodiorite, nearly all of which is moderately to strongly deformed & recrystallised. Thus is overprinted by variably potassic feldspathic granodioritic, quartz dioritic, granitic to (quartz)-syenitic 'leucosome'. Pegmatite phases are not uncommon. Sulphide mineralisation is stringer pyrite-(chalcopyrite) in coarser late phases.

A relatively think, 30-40 metre wide sequence of highly altered, deformed mafic-ultramafic rocks hosts the major sulphide mineralisation. Lithologies are retrograde assemblages of plagioclase-amphibole-pyroxene reflecting peridotite (lherzolite), two pyroxene gabbro, amphibolite, s.s. & mafic volcanic rock, s.l. The assemblage may have formed a single differentiated intrusive sequence that was subsequently deformed & partly dislocated.

Sulphide mineralisation therein takes the form of sheared, recrystallised grains & stringers of pyrite-pyrrhotite-(pentlandite)-(cobaltite), & also as fragmented material. Sparse late arsenopyrite is also present.

The hangingwall is a variant of the preceding mafic volcanic assemblage, now highly altered to a mafic gneiss, with significant overprint by potassic feldspar alteration. It is considered that the original lithology was a shallow emplaced or effusive mafic volcanic rock.

10. RECOMMENDATIONS

Additional drilling is warranted to delineate the previous ‘resource’ (non-43-101NI compliant) for Norpax, & to establish continuity between it & the adjacent (East & West Alcock showings,
‘A’ to ‘D’).

Any old core on adjacent areas should be retrieved & re-logged with a view to establishing stricter controls on mineralisation & host, & importantly, structural controls on said mineralisation.

It is unclear if there is a geophysical signature associated with the mineralisation, & magnetometer test lines across the deposit, could provide useful data. Results depending, additional lines running the length & breadth of Almo Lake, could be completed.

The deposit has yet to be delineated & a small programme on the ice totalling 1500 to 2000 metres is recommended.

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12. STATEMENT OF QUALIFICATIONS

I, Toby Hughes of the city of Vancouver, in the Province of British Columbia, do hereby certify that:

1. I am a consulting mineral exploration geologist.

2. I graduated with an Hons. B.Sc. in Geology from Dundee University, in 1980.

3. I am a registered member of the Association of Professional Engineers, Geologists and Geophysicists of the Northwest Territories/Nunavut, & am registered as a Professional Geoscientist in Ontario & Manitoba.

4. I have worked as a geologist for a total of 29 years since graduation from university.

5. I am responsible for the data presented herein.

6. I have had no prior involvement with the property.

Respectfully Submitted,

T.N.J. Hughes, B.Sc. Hons., P. Geol, P. Geo, P. Geo

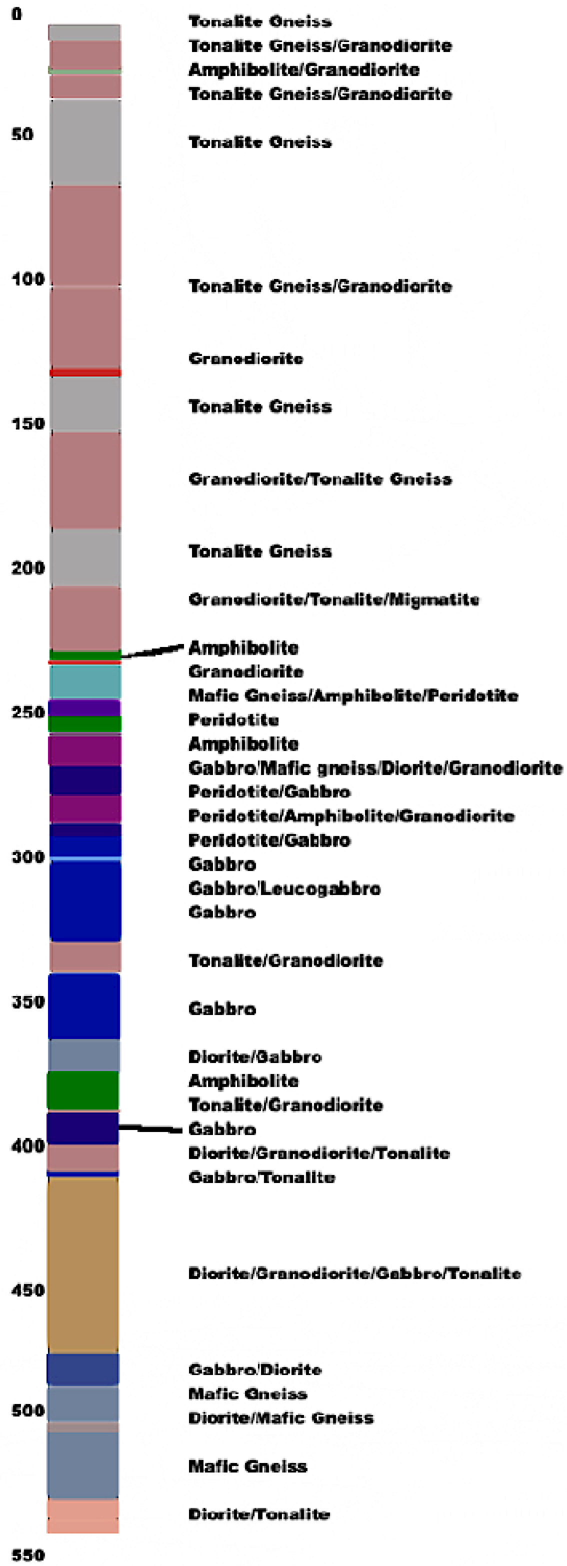

Fig. 10 Section for DDH NPX09-001. Scale is down-hole metres, not vertical

Appendix A – Assay Certificates and Results

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Email#: mdehn@pugetventures.com, toby.tnjh3@gmail.com

Date Received: 10/27/2009

Date Completed: 11/11/2009

Job #: 200942765

Reference:

Sample #: 147 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb
188949		840501	11	<15	<10	
188950		840502	<5	<15	<10	
188951		840503	<5	<15	<10	
188952		840504	<5	<15	<10	
188953		840505	8	<15	<10	
188954		840506	<5	<15	<10	
188955		840507	<5	<15	<10	
188956	Dup	840507	<5	<15	<10	
188957		840508	<5	<15	<10	
188958		840509	<5	<15	<10	
188959		840510	<5	<15	<10	
188960		840511	<5	<15	<10	
188961		840512	<5	<15	<10	
188962		840513	5	<15	<10	
188963		840514	26	<15	<10	
188964		840515	10	<15	<10	
188965		840516	13	<15	<10	
188966		840517	9	<15	<10	
188967	Dup	840517	8	<15	<10	
188968		840518	9	<15	<10	
188969		840519	7	<15	<10	
188970		840520	6	<15	<10	
188971		840521	932	252	519	
188972		840522	11	<15	<10	

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Date Completed: 11/11/2009
Job #: 200942765
Reference:
Sample #: 147 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb
188973		840523	7	<15	<10	
188974		840524	<5	<15	<10	
188975		840525	<5	<15	<10	
188976		840526	<5	<15	<10	
188977		840527	<5	<15	<10	
188978	Dup	840527	Insufficient Sample			
188979		840528	<5	<15	<10	
188980		840529	<5	16	<10	
188981		840530	<5	22	<10	
188982		840531	<5	19	<10	
188983		840532	6	<15	<10	
188984		840533	8	<15	<10	
188985		840534	13	30	12	
188986		840535	<5	<15	<10	
188987		840536	<5	<15	<10	
188988		840537	42	<15	87	
188989	Dup	840537	40	17	82	
188990		840538	<5	<15	<10	
188991		840539	<5	<15	11	
188992		840540	1005	672	515	
188993		840541	14	185	481	
188994		840542	18	147	469	
188995		840543	5	<15	44	
188996		840544	<5	19	28	

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Date Completed: 11/11/2009

Job #: 200942765

Reference:

Sample #: 147 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb
188997		840545	7	<15	28	
188998		840546	<5	17	17	
188999		840547	<5	<15	<10	
189000	Dup	840547	Insufficient Sample			
189001		840548	<5	<15	27	
189002		840549	<5	<15	<10	
189003		840550	24	<15	20	
189004		840551	8	<15	35	
189005		840552	20	48	345	
189006		840553	20	650	1707	
189007		840554	6	107	210	
189008		840555	5	55	222	
189009		840556	10	122	282	
189010		840557	14	<15	11	
189011	Dup	840557	Insufficient Sample			
189012		840558	24	127	673	
189013		840559	74	27	90	
189014		840560	7	17	<10	
189015		840561	<5	<15	54	
189016		840562	<5	<15	<10	
189017		840563	<5	<15	<10	
189018		840564	16	<15	<10	
189019		840565	<5	<15	<10	
189020		840566	<5	<15	<10	

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Reference:

Sample #: 147 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb
189021		840567	<5	<15	<10	
189022	Rep	840567	<5	<15	<10	
189023		840568	<5	<15	<10	
189024		840569	988	672	554	
189025		840570	<5	<15	<10	
189026		840571	<5	18	<10	
189027		840572	<5	<15	<10	
189028		840573	<5	<15	<10	
189029		840574	<5	<15	<10	
189030		840575	<5	21	16	
189031		840576	<5	23	<10	
189032		840577	<5	15	<10	
189033	Dup	840577	<5	15	<10	
189034		840578	<5	23	<10	
189035		840579	<5	18	<10	
189036		840580	<5	<15	<10	
189037		840581	<5	<15	<10	
189038		840582	<5	<15	<10	
189039		840583	<5	<15	<10	
189040		840584	9	18	<10	
189041		840585	930	635	502	
189042		840586	<5	24	<10	
189043		840587	<5	<15	<10	
189044	Dup	840587	<5	<15	<10	

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Date Completed: 11/11/2009

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Reference:

Sample #: 147 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb
189045		840588	<5	<15	<10	
189046		840589	<5	<15	<10	
189047		840590	<5	<15	<10	
189048		840591	<5	<15	<10	
189049		840592	<5	<15	<10	
189050		840593	<5	<15	<10	
189051		840594	12	<15	13	
189052		840595	<5	<15	<10	
189053		840596	<5	15	<10	
189054		840597	981	688	536	
189055	Dup	840597	Insufficient Sample			
189056		840598	<5	20	<10	
189057		840599	<5	<15	<10	
189058		840600	<5	<15	<10	
189059		840601	<5	<15	<10	
189060		840602	<5	<15	<10	
189061		840603	<5	<15	<10	
189062		840604	<5	<15	<10	
189063		840605	<5	<15	<10	
189064		840606	<5	<15	<10	
189065		840607	<5	<15	<10	
189066	Dup	840607	<5	<15	<10	
189067		840608	12	<15	17	
189068		840609	28	<15	<10	

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Job #: 200942765
Reference:
Sample #: 147 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb
189069		840610	<5	<15	<10	
189070		840611	28	17	<10	
189071		840612	<5	<15	<10	
189072		840613	526	348	273	
189073		840614	<5	<15	<10	
189074		840615	<5	<15	<10	
189075		840616	<5	<15	<10	
189076		840617	<5	<15	<10	
189077	Dup	840617	5	<15	<10	
189078		840618	<5	<15	<10	
189079		840619	17	<15	<10	
189080		840620	<5	<15	<10	
189081		840621	5	<15	<10	
189082		840622	<5	<15	<10	
189083		840623	<5	<15	<10	
189084		840624	<5	<15	<10	
189085		840625	9	<15	<10	
189086		840626	<5	<15	<10	
189087		840627	<5	<15	<10	
189088	Rep	840627	Insufficient Sample			
189089		840628	<5	<15	<10	
189090		840629	13	<15	15	
189091		840630	<5	15	<10	
189092		840631	<5	<15	<10	

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Date Completed: 11/11/2009

Job #: 200942765

Reference:

Sample #: 147 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb
189093		840632	1023	649	544	
189094		840633	28	<15	<10	
189095		840634	<5	<15	<10	
189096		840635	<5	<15	<10	
189097		840636	6	<15	<10	
189098		840637	<5	<15	<10	
189099	Dup	840637	5	<15	<10	
189100		840638	<5	<15	<10	
189101		840639	<5	<15	<10	
189102		840640	<5	<15	<10	
189103		840641	<5	16	<10	
189104		840642	<5	<15	<10	
189105		840643	<5	<15	<10	
189106		840644	<5	<15	<10	
189107		840645	<5	<15	<10	
189108		840646	13	<15	15	
189109		840647	<5	<15	<10	
189110	Dup	840647	<5	<15	<10	

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Date Received: 10/27/2009
Date Completed: 11/11/2009
Job #: 200942765
Reference:
Sample #: 147 Core

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb

PROCEDURE CODES: ALPG1, ALICPMA

Certified By:

Derek Demianiuk H.Bsc., Laboratory Manager

The results included on this report relate only to the items tested
The Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory

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Job #: 200942765

Reference:

Sample #: 147 Core

Acc #		Client ID	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
188949		840501							
188950		840502							
188951		840503							
188952		840504							
188953		840505							
188954		840506							
188955		840507							
188956	Dup	840507							
188957		840508							
188958		840509							
188959		840510							
188960		840511							
188961		840512							
188962		840513							
188963		840514							
188964		840515							
188965		840516							
188966		840517							
188967	Dup	840517							
188968		840518							
188969		840519							
188970		840520							
188971		840521			34620				
188972		840522							

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Job #: 200942765

Reference:

Sample #: 147 Core

Acc #		Client ID	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
188973		840523							
188974		840524							
188975		840525							
188976		840526							
188977		840527							
188978	Dup	840527	Insufficient Sample						
188979		840528							
188980		840529							
188981		840530							
188982		840531							
188983		840532							
188984		840533							
188985		840534							
188986		840535							
188987		840536							
188988		840537							
188989	Dup	840537							
188990		840538							
188991		840539							
188992		840540			33602				
188993		840541							
188994		840542							
188995		840543							
188996		840544							

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Acc #		Client ID	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
188997		840545							
188998		840546							
188999		840547							
189000	Dup	840547	Insufficient Sample						
189001		840548							
189002		840549							
189003		840550							
189004		840551							
189005		840552							
189006		840553							
189007		840554							
189008		840555							
189009		840556							
189010		840557							
189011	Dup	840557	Insufficient Sample						
189012		840558							
189013		840559							
189014		840560							
189015		840561							
189016		840562							
189017		840563							
189018		840564							
189019		840565							
189020		840566							

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Job #: 200942765

Reference:

Sample #: 147 Core

Acc #		Client ID	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
189021		840567							
189022	Rep	840567							
189023		840568							
189024		840569			34154				
189025		840570							
189026		840571							
189027		840572							
189028		840573							
189029		840574							
189030		840575							
189031		840576							
189032		840577							
189033	Dup	840577							
189034		840578							
189035		840579							
189036		840580							
189037		840581							
189038		840582							
189039		840583							
189040		840584							
189041		840585			36100				
189042		840586							
189043		840587							
189044	Dup	840587							

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Job #: 200942765

Reference:

Sample #: 147 Core

Acc #		Client ID	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
189045		840588							
189046		840589							
189047		840590							
189048		840591							
189049		840592							
189050		840593							
189051		840594							
189052		840595							
189053		840596							
189054		840597			34107				
189055	Dup	840597	Insufficient Sample						
189056		840598							
189057		840599							
189058		840600							
189059		840601							
189060		840602							
189061		840603							
189062		840604							
189063		840605							
189064		840606							
189065		840607							
189066	Dup	840607							
189067		840608							
189068		840609							

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Certificate of Analysis

Friday, November 13, 2009

Puget Ventures Inc.
Suite 1588-609 Granville Street
Vancouver, BC, CAN
V7Y 1G5
Ph#: (647) 477-2382
Fax#: (604) 669-3844, (416) 301-4949
Email#: mdehn@pugetventures.com, toby.tnjh3@gmail.com

Date Received: 10/27/2009

Date Completed: 11/11/2009

Job #: 200942765

Reference:

Sample #: 147 Core

Acc #		Client ID	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
189069		840610							
189070		840611							
189071		840612							
189072		840613			35139				
189073		840614							
189074		840615							
189075		840616							
189076		840617							
189077	Dup	840617							
189078		840618							
189079		840619							
189080		840620							
189081		840621							
189082		840622							
189083		840623							
189084		840624							
189085		840625							
189086		840626							
189087		840627							
189088	Rep	840627	Insufficient Sample						
189089		840628							
189090		840629							
189091		840630							
189092		840631							

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Date Received: 10/27/2009
Date Completed: 11/11/2009
Job #: 200942765
Reference:
Sample #: 147 Core

Acc #		Client ID	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
189093		840632			32952				
189094		840633							
189095		840634							
189096		840635							
189097		840636							
189098		840637							
189099	Dup	840637							
189100		840638							
189101		840639							
189102		840640							
189103		840641							
189104		840642							
189105		840643							
189106		840644							
189107		840645							
189108		840646							
189109		840647							
189110	Dup	840647							

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Date Completed: 11/11/2009

Job #: 200942765

Reference:

Sample #: 147 Core

Acc #	Client ID	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm

PROCEDURE CODES: ALPG1, ALICPMA

Certified By:

Derek Demianiuk H.Bsc., Laboratory Manager

The results included on this report relate only to the items tested
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AL901-0673-11/13/2009 11:24 AM

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Hole No,	Assay No.	From	To	Width	Au ppb	Pt ppb	Pd ppb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
				0	5 DL	15 DL	10 DL	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	ppm	%	ppm	ppm
NPX09-001	840501	20.2	21.85	1.65	11	<15	<10	<1	9.26	<2	439	1	9	4.53	<4	31	339	321	4.36	1.89	40	2.59	946	12
NPX09-001	840502	28.8	30.5	1.7	<5	<15	<10	<1	9.16	<2	521	1	11	4.75	<4	31	264	383	4.64	1.95	33	2.63	1228	12
NPX09-001	840503	30.5	32	1.5	<5	<15	<10	<1	8.13	<2	279	1	7	4.53	<4	33	302	572	5.12	2	28	2.59	1457	11
NPX09-001	840504	61.8	62.75	0.95	<5	<15	<10	<1	9	<2	571	<1	11	4.43	<4	37	595	12	4.36	2.22	59	3.75	937	10
NPX09-001	840505	69.6	70.1	0.5	8	<15	<10	<1	7.18	2	433	<1	7	2.84	<4	8	493	11	2.38	2.16	20	0.46	281	10
NPX09-001	840506	92.3	94.5	2.2	<5	<15	<10	<1	6.28	2	363	<1	5	1.37	<4	8	340	8	1.5	1.93	22	0.47	257	11
NPX09-001	840507	111.5	113	1.5	<5	<15	<10	<1	7.29	<2	435.5	1	5	2.4	<4	16	444	104	2.64	2.21	27.5	1.04	615	9.5
NPX09-001	840508	129.3	130.1	0.8	<5	<15	<10	<1	6.72	2	557	1	5	1.07	<4	7	219	9	1.08	1.89	29	0.48	199	9
NPX09-001	840509	163.1	164.5	1.4	<5	<15	<10	<1	7.08	2	795	<1	5	1.32	<4	8	388	12	1.78	1.89	33	0.66	314	9
NPX09-001	840510	177.5	179.1	1.6	<5	<15	<10	<1	7.43	3	519	<1	7	1.37	<4	10	455	16	2.01	1.98	39	0.79	367	9
NPX09-001	840511	BLANK			<5	<15	<10	<1	3.73	2	41	<1	<1	>10.00	<4	<1	8	4	0.21	2.1	15	3.1	135	11
NPX09-001	840512	228.4	229.6	1.2	<5	<15	<10	<1	6.47	<2	300	1	2	1.69	<4	6	514	54	1.51	2.16	26	0.55	209	11
NPX09-001	840513	229.6	232.2	2.6	5	<15	<10	<1	9.41	2	150	<1	9	4.88	<4	44	260	155	7.5	2.21	25	2.3	1101	16
NPX09-001	840514	232.2	233	0.8	26	<15	<10	<1	6.26	2	401	<1	3	1.39	<4	16	336	220	2.5	2.02	25	0.84	248	10
NPX09-001	840515	233	234.5	1.5	10	<15	<10	<1	9.45	3	184	1	12	4.46	<4	49	243	203	7.67	2.23	26	2.42	1014	14
NPX09-001	840516	NI 117			13	<15	<10	<1	6.33	2	717	<1	5	1.43	<4	72	86	2859	3.93	2	18	0.7	371	32
NPX09-001	840517	234.5	236.4	1.9	8.5	<15	<10	<1	7.51	<2	222.5	1	3	1.67	<4	21	459.5	156.5	3.435	2.165	34	1.555	465	10.5
NPX09-001	840518	236.4	237.6	1.2	9	<15	<10	<1	8.23	3	237	1	8	2.2	<4	24	362	65	4.05	2.23	47	1.46	479	12
NPX09-001	840519	237.6	239.2	1.6	7	<15	<10	<1	8.94	<2	155	1	6	3.94	<4	26	408	75	3.9	2.32	30	2.65	699	10
NPX09-001	840520	245.1	246.6	1.5	6	<15	<10	<1	>10.00	2	234	<1	10	4.08	<4	47	462	276	5.92	2.43	39	3.15	628	12
NPX09-001	840521	PG 126			932	252	519	22	8.39	2750	268	3	23	8.66	18	132	36	>5000	9.18	1.8	28	1.17	2101	23
NPX09-001	840522	246.6	248	1.4	11	<15	<10	<1	>10.00	12	120	1	8	5.27	<4	48	488	247	6.78	2.57	42	4.01	889	14
NPX09-001	840523	248	249.6	1.6	7	<15	<10	<1	>10.00	4	175	1	15	3.51	<4	54	272	172	7.26	2.4	61	3.19	695	17
NPX09-001	840524	255.3	256.5	1.2	<5	<15	<10	<1	7.59	<2	215	1	6	1.95	<4	21	463	61	3.24	2.38	39	1.85	361	11
NPX09-001	840525	256.5	257.4	0.9	<5	<15	<10	<1	6.98	<2	232	1	4	1.64	<4	12	586	33	1.89	2.16	30	0.96	209	9
NPX09-001	840526	257.4	259.2	1.8	<5	<15	<10	<1	>10.00	4	176	<1	5	4.29	<4	33	289	76	5.32	2.37	36	3	771	17
NPX09-001	840527	BLANK			<5	<15	<10	<1	3.38	3	42	<1	4	>10.00	<4	2	14	13	0.33	2.3	16	2.7	149	11
NPX09-001	840528	259.2	261	1.8	<5	<15	<10	<1	8.5	2	201	<1	5	2.69	<4	25	218	70	4.15	2.2	50	1.59	549	12
NPX09-001	840529	261	262.7	1.7	<5	16	<10	<1	>10.00	<2	158	1	8	3.93	<4	41	428	85	6.24	2.44	49	3.5	811	13
NPX09-001	840530	262.7	264.3	1.6	<5	22	<10	<1	>10.00	2	169	1	11	3.99	<4	41	434	97	6.81	2.46	47	2.81	810	16
NPX09-001	840531	264.3	266.8	2.5	<5	19	<10	<1	9.24	4	113	<1	6	5.72	<4	43	544	6	5.87	2.38	36	3.92	874	11
NPX09-001	840532	266.8	267.3	0.5	6	<15	<10	<1	>10.00	4	190	1	14	3.37	<4	49	186	141	7.34	2.63	54	2.9	738	15
NPX09-001	840533	267.3	269	1.7	8	<15	<10	<1	9.9	<2	137	1	13	4.88	<4	45	488	68	6.35	2.48	43	3.79	743	14
NPX09-001	840534	NI 117			13	30	12	<1	6.26	5	707	1	7	1.39	<4	72	86	2889	3.8	1.86	18	0.71	363	31
NPX09-001	840535	269	270.5	1.5	<5	<15	<10	<1	7.44	<2	108	<1	8	4.7	<4	44	542	21	5.89	2.18	35	3.88	777	10
NPX09-001	840536	270.5	272	1.5	<5	<15	<10	<1	9.93	<2	175	1	9	3.75	<4	34	263	29	4.96	2.19	41	2.58	543	13
NPX09-001	840537	272	273.5	1.5	41	16	84.5	<1	7.65	2	101.5	1	9.5	4.85	<4	57.5	89	609	9.145	2.035	23	2.02	1199	15
NPX09-001	840538	273.5	275	1.5	<5	<15	<10	<1	9.84	4	123	2	11	4.77	<4	56	96	355	9.67	2.3	32	2.82	1271	17
NPX09-001	840539	275	276.4	1.4	<5	<15	11	<1	9.16	2	171	2	7	3.1	<4	36	214	136	5.49	2.47	33	2.08	717	11
NPX09-001	840540	PG 126			1005	672	515	21	7.55	2664	203	3	18	8.35	18	132	34	>5000	9.09	1.67	25	1.13	2118	23
NPX09-001	840541	276.4	278.2	1.8	14	185	481	<1	4.12	17	92	<1	<1	1.9	<4	95	1520	942	4.66	2.07	31	7.29	623	4
NPX09-001	840542	278.2	279.9	1.7	18	147	469	<1	5.89	<2	110	<1	5	1.48	<4	100	1948	1066	5	2.02	37	6.59	590	4
NPX09-001	840543	279.9	281.4	1.5	5	<15	44	<1	8.04	3	200	1	6	1.94	<4	35	367	399	4.48	2.14	50	1.38	533	16
NPX09-001	840544	281.4	283	1.6	<5	19	28	<1	>10.00	4	155	2	12	3.4	<4	37	639	145	5.43	2.32	54	2.62	836	13
NPX09-001	840545	283	283.6	0.6	7	<15	28	<1	7.53	2	165	2	8	1.87	<4	19	372	155	2.82	2.05	39	1.04	316	14
NPX09-001	840546	283.6	285	1.4	<5	17	17	<1	8.23	3	136	1	9	4.91	<4	44	475	57	6.59	1.97	47	3.77	798	12
NPX09-001	840547	BLANK			<5	<15	<10	<1	3.49	4	35	<1	5	>10.00	<4	2	13	13	0.33	2.13	16	3.34	157	10
NPX09-001	840548	285	286.2	1.2	<5	<15	27	<1	6.79	<2	182	<1	2	4.49	<4	38	536	2	5.42	1.84	45	3.54	643	10
NPX09-001	840549	286.2	287.7	1.5	<5	<15	<10	<1	9.17	6	104	1	10	5.29	<4	55	141	171	9.44	2.25	23	2.73	1270	16
NPX09-001	840550	287.7	289.5	1.8	24	<15	20	<1	9.99	6	177	2	7	4.81	<4	55	129	210	8.65	2.38	32	2.5	1146	18
NPX09-001	840551	289.5	291.4	1.9	8	<15	35	<1	>10.00	2	178	1	10	3.27	<4	39	640	123	5.8	2.55	43	2.78	787	13
NPX09-001	840552	291.4	292.8	1.4	20	48	345	<1	9.42	3	138	2	8	2.91	<4	50	1092	419	5.43	2.3	37	2.95	844	12
NPX09-001	840553	292.8	293.7	0.9	20	650	1707	<1	7.13	<2	194	<1	10	0.96	<4	63	2822	158	7.84	2.22	72	5.91	831	36
NPX09-001	840554	293.7	295.2	1.5	6	107	210	<1	8.05	<2	150	2	8	1.64	<4	27	884	185	3.86	2.04	40	1.65	546	16
NPX09-001	840555	295.2	296.3	1.1	5	55	222	<1	6.31	<2	173	<1	9	1.55	<4	76	2443	417	7.53	2.01	50	4.7	1219	15
NPX09-001	840556	296.3	297	0.7	10	122	282	<1	3.39	<2	35	<1	10	2.53	<4	97	1510	758	6.23	1.74	17	8.58	774	<1
NPX09-001	840557	NI 117			14	<15	11	<1	6.59	<2	716	1	5	1.42	<4	73	106	2860	3.94	1.94	18	0.84	372	31
NPX09-001	840558	297	298.1	1.1	24	127	673	<1	4.56	<2	42	1	7	2.5	<4	152	1718	1638	7.56	2.07	24	8.69	945	7
NPX09-001	840559	298.1	298.7	0.6	74	27	90	<1	9.52	4	135	<1	12	3.05	<4	31	564	419	4.15	2.24	42	2.34	599	13
NPX09-001	840560	298.7	301.5	2.8	7	17	<10	<1	>10.00	<2	218	<1	12	5.12	<4	52	232	113	9	2.39	41	3.31	1129	16
NPX09-001	840561	301.5	302.2	0.7	<5	<15	54	<1	8.01	3	126	<1	9	2.15	<4	27	651	143	3.15	1.95	32	1.51	434	12
NPX09-001	840562	BLANK			<5	<15	<10	<1	3.66	<2	39	<1	5	>10.00	<4	<1	6	5	0.2	1.99	16	2.48	136	12
NPX09-001	840563	302.2	304	1.8	<5	<15	<10	<1	6.96	3	143	1	4	1.87	<4	11	555	45	1.98	1.99	30	0.6	214	11
NPX09-001	840564	304	305	1	16	<15	<10	<1	9.08	2	193	<1	12	4.57	<4	41	178	673	6.5	2.18	25	1.83	664	15
NPX09-001	840565	305	306.5	1.5	<5	<15	<10	<1	7.15	<2	355	<1	<1	1.79	<4	18	389	50	2.86	2.07	33	1.29	458	11
NPX09-001	840566	306.5	308	1.5	<5	<15	<10	<1	7.48	3	432	<1	<1	1.67	<4	17	373	32	2.76	2.18	37	1.49	435	13
NPX09-001	840567	308	309.5	1.5	<5	<15	<10	<1	7.675	2.5	188	1	6	1.875	<4	17	403.5	19	2.74	2.115	34	1.4	433.5	10.5
NPX09-001	840568	249.6	251	1.4	<5	<15	<10	<1	7.41	<2	156	<1	9	4.91	<4	46	623	3	6.13	2.09	41	3.63	871	12
NPX09-001	840569	PG126			988	672	554	20	6.96	2548	215	3	16	7.88	18	127	34	>5000	8.61	1.68	27	1.01	2014	22
NPX09-001	840570	309.5	311	1.5	<5	<15	<10	<1	8.29	4	270	<1	6	2.26	<4	20	352	58	3.18	2.08	35	1.64	406	12
NPX09-001	840571	311	312.5	1.5	<5	18	<10	<1	6.27	2	782	<1	3	1.06	<4	6	284	14	1.06	1.94	26	0.43	136	10
NPX09-001	840572	312.5	314	1.5	<5	<15	<10	<1	7.16	3	321	1	6	1.85	<4	14	391	14	2.32	1.95	33	1.24	365	10
NPX09-001	840573	314	315.5	1.5	<5	<15	<10	<1	7.03	<2	307	<1	7	1.61	<4	16	284	10	2.53	1.99	32	1.49	391	9
NPX09-001	840574	315.5	317	1.5	<5	<15	<10	<1	7.22	<2	422	<1	7	1.73	<4	17	442	12	2.81	1.85	32	1.58	459	13
NPX09-001	840575	317	318.5	1.5	<5	21	16	<1	7.91	3	252	1	4	2.18	<4	18	422	49	2.66	1.86	29	1.58	392	13
NPX09-001	840576	318.5	320	1.5	<5	23	<10	<1	8.65	3	315	1	4	2.46	<4	27	439	19	3.82	2.15	29	2.43	535	11

Hole No,	Assay No.	From	To	Width	Au ppb	Pt ppb	Pd ppb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
				0	5 DL	15 DL	10 DL	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	ppm	%	ppm	ppm
NPX09-001	840577	320	321.5	1.5	<5	15	<10	<1	8.405	3	289.5	<1	5.5	2.89	<4	25.5	497	31.5	3.555	2.03	28.5	2.075	487.5	11
NPX09-001	840578	BLANK			<5	23	<10	1	3.48	2	43	<1	3	>10.00	<4	1	8	4	0.2	2.16	15	2.25	129	11
NPX09-001	840579	321.5	323	1.5	<5	18	<10	<1	8.53	<2	341	1	11	2.35	<4	24	388	38	3.41	2.31	34	2.06	527	13
NPX09-001	840580	323	324.5	1.5	<5	<15	<10	<1	8.78	3	439	1	4	2.64	<4	24	395	34	3.48	2.22	36	1.97	465	14
NPX09-001	840581	324.5	326	1.5	<5	<15	<10	<1	7.67	<2	470	1	5	2.07	<4	18	374	18	2.53	2.33	36	1.32	440	13
NPX09-001	840582	326	327.5	1.5	<5	<15	<10	<1	7.79	2	249	<1	10	2.3	<4	17	464	9	2.97	2.24	35	1.27	737	12
NPX09-001	840583	327.5	329.3	1.8	<5	<15	<10	<1	6.67	<2	302	6	6	1.24	<4	9	339	5	1.79	1.74	42	0.92	312	14
NPX09-001	840584	329.3	331	1.7	9	18	<10	<1	5.58	<2	489	<1	5	1.02	<4	11	329	323	1.34	1.59	26	0.54	193	17
NPX09-001	840585	PG126			930	635	502	19	6.33	2423	299	3	20	7.32	16	120	36	>5000	8.29	1.59	24	0.9	1891	22
NPX09-001	840586	344	345.5	1.5	<5	24	<10	<1	7.85	42	218	3	11	1.88	<4	26	405	704	3.43	1.75	52	1.61	592	15
NPX09-001	840587	345.5	347	1.5	<5	<15	<10	<1	7.655	4.5	294	1	3	2.495	<4	22	360.5	76.5	2.795	1.81	32.5	1.63	532.5	15.5
NPX09-001	840588	347	348.5	1.5	<5	<15	<10	<1	7.47	4	308	<1	2	2.22	<4	24	361	34	2.67	1.98	33	1.65	500	12
NPX09-001	840589	354.2	356	1.8	<5	<15	<10	1	3.4	3	44	<1	3	>10.00	<4	1	12	5	0.23	2.17	16	2.52	138	10
NPX09-001	840590	356.2	357.9	1.7	<5	<15	<10	<1	>10.00	4	436	1	9	3.25	<4	43	786	59	6.01	2.4	53	4.09	1092	18
NPX09-001	840591	BLANK			<5	<15	<10	<1	3.03	<2	40	<1	7	>10.00	<4	<1	13	5	0.26	2.3	16	3.36	162	12
NPX09-001	840592	357.9	359	1.1	<5	<15	<10	<1	8.78	<2	286	1	9	3.59	<4	24	441	16	3.5	2.12	29	1.43	711	13
NPX09-001	840593	359	360.5	1.5	<5	<15	<10	<1	8.54	6	314	<1	9	2.75	<4	33	554	26	4.14	2.21	32	1.47	832	14
NPX09-001	840594	NI117			12	<15	13	<1	6.07	<2	767	1	8	1.41	<4	81	98	3111	4.22	1.57	18	0.73	401	34
NPX09-001	840595	360.5	362	1.5	<5	<15	<10	<1	8.62	<2	343	1	6	2.29	<4	32	468	30	4.18	1.82	50	2.25	453	12
NPX09-001	840596	362	363.8	1.8	<5	15	<10	<1	8.12	3	338	2	7	2.06	<4	29	490	18	4.05	2.08	39	1.92	650	15
NPX09-001	840597	PG126			981	688	536	22	7.85	2825	323	4	18	8.44	19	145	41	>5000	9.85	1.74	26	1.2	2254	24
NPX09-001	840598	363.8	365.2	1.4	<5	20	<10	<1	7.85	26	296	1	9	3.07	<4	24	338	396	3.41	2.06	31	1.72	606	10
NPX09-001	840599	368	369.5	1.5	<5	<15	<10	<1	8.85	5	199	<1	13	2.11	<4	24	570	20	3.2	2.27	34	2.99	799	11
NPX09-001	840600	369.5	371	1.5	<5	<15	<10	<1	8.69	<2	257	<1	8	2.16	<4	23	414	14	2.94	2.34	28	2.66	687	10
NPX09-001	840601	371	372.5	1.5	<5	<15	<10	<1	7.95	2	344	5	4	1.7	<4	18	367	13	3.12	2.34	44	1.4	788	13
NPX09-001	840602	374	375.5	1.5	<5	<15	<10	<1	9.61	<2	150	3	8	2.5	<4	27	319	17	4.18	2.4	33	2.4	954	12
NPX09-001	840603	375.5	376.8	1.3	<5	<15	<10	<1	>10.00	<2	153	1	8	2.07	<4	25	416	7	3.37	2.34	42	3.25	750	10
NPX09-001	840604	376.8	378.4	1.6	<5	<15	<10	<1	8.95	5	189	<1	6	1.88	<4	25	423	5	3.22	2.24	43	2.75	736	12
NPX09-001	840605	378.4	380	1.6	<5	<15	<10	<1	9.93	3	213	3	12	1.7	<4	23	251	8	3.4	2.15	43	2.54	811	11
NPX09-001	840606	383	384.6	1.6	<5	<15	<10	<1	9.39	2	195	<1	5	2.1	<4	27	282	3	4.12	2.22	35	2.45	934	12
NPX09-001	840607	384.6	386.6	2	<5	<15	<10	<1	6.285	2.5	130.5	<1	4	1.62	<4	8	246.5	8	1.13	1.91	22	0.425	280.5	37
NPX09-001	840608	NI 117			12	<15	17	<1	6.09	<2	721	<1	10	1.38	<4	74	89	2902	3.9	1.83	19	0.68	370	32
NPX09-001	840609	386.6	388	1.4	28	<15	<10	<1	>10.00	3	275	2	10	1.25	<4	30	308	21	4.92	2.06	50	2.86	573	16
NPX09-001	840610	388	389	1	<5	<15	<10	<1	9.26	2	233	4	10	0.85	<4	31	384	6	4.78	2.28	64	2.29	447	13
NPX09-001	840611	389	390	1	28	17	<10	<1	7.9	2	168	2	8	1.37	<4	29	329	4	4.74	2.26	36	1.8	694	16
NPX09-001	840612	390	391.3	1.3	<5	<15	<10	<1	7.08	<2	361	<1	6	1.63	<4	16	257	9	2.7	2.1	29	1.06	682	23
NPX09-001	840613	PG126			526	348	273	17	6.78	2338	346	3	15	7.33	16	120	31	>5000	8.08	1.69	24	1.04	1864	21
NPX09-001	840614	391.3	392	0.7	<5	<15	<10	<1	7.42	8	156	<1	5	2.95	<4	25	323	102	3.55	1.93	21	1.5	1202	11
NPX09-001	840615	BLANK			<5	<15	<10	<1	3.18	<2	38	<1	7	>10.00	<4	1	9	9	0.22	2.24	13	2.33	142	11
NPX09-001	840616	392	393.5	1.5	<5	<15	<10	<1	7.89	3	145	2	<1	2.32	<4	29	284	80	4.22	2	35	1.58	1322	12
NPX09-001	840617	393.5	395	1.5	<5	<15	<10	<1	7.35	2.5	373	2	4.5	1.495	<4	29.5	348	246.5	4.575	1.94	42.5	1.205	878	24
NPX09-001	840618	395	396.5	1.5	<5	<15	<10	<1	7.39	<2	149	<1	<1	2.24	<4	24	265	61	3.47	2.07	31	1.28	780	14
NPX09-001	840619	396.5	398	1.5	17	<15	<10	<1	6.98	4	194	1	9	1.65	<4	27	362	19	4.19	2.02	36	1.17	734	39
NPX09-001	840620	398	399.5	1.5	<5	<15	<10	<1	7.99	<2	171	2	9	1.62	<4	26	343	20	4.52	2.22	40	1.23	912	30
NPX09-001	840621	399.5	401	1.5	5	<15	<10	<1	7.33	3	195	1	1	1.85	<4	40	310	55	3.4	1.55	38	1.17	713	38
NPX09-001	840622	401	402.5	1.5	<5	<15	<10	<1	8.12	<2	444	1	9	1.89	<4	20	177	8	2.7	1.74	47	1.74	797	12
NPX09-001	840623	402.5	403.5	1	<5	<15	<10	<1	6.44	<2	350	1	7	1.12	<4	18	301	13	3.73	1.74	44	0.93	443	24
NPX09-001	840624	416.8	417.9	1.1	<5	<15	<10	<1	7.78	<2	435	<1	10	1.8	<4	20	179	7	2.68	1.87	48	1.72	780	11
NPX09-001	840625	424.4	425.9	1.5	9	<15	<10	<1	6.24	<2	336	1	3	1.09	<4	19	285	12	3.54	1.74	44	0.87	421	24
NPX09-001	840626	433	434.5	1.5	<5	<15	<10	<1	7.86	<2	251	<1	6	1.74	<4	19	198	6	2.42	1.86	56	1.77	630	10
NPX09-001	840627	BLANK			<5	<15	<10	<1	3.35	3	42	<1	2	>10.00	<4	<1	9	4	0.19	1.76	16	1.73	126	9
NPX09-001	840628	433	434.5	1.5	<5	<15	<10	<1	7.32	<2	276	<1	4	1.58	<4	17	191	2	2.33	1.89	47	1.54	492	9
NPX09-001	840629	NI 117			13	<15	15	<1	6.04	3	725	<1	5	1.37	<4	72	85	2731	3.77	1.64	19	0.63	358	31
NPX09-001	840630	441.6	443	1.4	<5	15	<10	<1	9.12	<2	347	<1	8	2.21	<4	28	419	50	3.49	2.13	39	2.63	682	11
NPX09-001	840631	461.9	463.7	1.8	<5	<15	<10	<1	8.03	3	279	<1	6	1.94	<4	15	343	6	2.5	2.1	43	1.5	440	15
NPX09-001	840632	Standard			1023	649	544	20	7.52	2550	393	3	18	7.94	17	129	38	>5000	8.95	1.85	25	1.06	2079	23
NPX09-001	840633	463.7	466	2.3	28	<15	<10	<1	7.29	28	251	<1	6	1.7	<4	18	425	346	3.11	1.92	48	1.46	475	11
NPX09-001	840634	466	467.5	1.5	<5	<15	<10	<1	6.65	3	444	<1	11	1.31	<4	10	264	20	2.02	1.74	31	0.8	273	12
NPX09-001	840635	467.5	469	1.5	<5	<15	<10	<1	6.52	<2	258	1	6	1.5	<4	15	405	6	2.68	1.85	39	1.3	425	11
NPX09-001	840636	469	470.2	1.2	6	<15	<10	<1	7.42	<2	256	1	11	1.84	<4	18	433	10	2.84	1.93	40	1.49	440	15
NPX09-001	840637	486.3	488	1.7	<5	<15	<10	<1	6.575	<2	521.5	<1	4	1.69	<4	9.5	394	8	1.765	1.915	26	0.73	278.5	12
NPX09-001	840638	488	489.7	1.7	<5	<15	<10	<1	7.6	2	241	<1	4	2.53	<4	18	341	10	2.57	1.91	34	1.45	473	11
NPX09-001	840639	497	498.5	1.5	<5	<15	<10	<1	7.81	3	295	<1	8	2.1	<4	21	433	17	2.98	2.14	33	1.45	517	16
NPX09-001	840640	BLANK			<5	<15	<10	<1	3.32	4	43	<1	4	>10.00	<4	<1	13	4	0.24	2.19	15	2.98	147	12
NPX09-001	840641	504.5	506	1.5	<5	16	<10	<1	9.56	<2	314	1	6	3.6	<4	30	523	45	4.35	2.29	29	2.59	752	12
NPX09-001	840642	506	507.6	1.6	<5	<15	<10	<1	>10.00	4	267	<1	5	2.87	<4	30	499	34	4.57	2.33	33	2.7	837	12
NPX09-001	840643	515.3	516.8	1.5	<5	<15	<10	<1	9.83	<2	249	1	4	3.04	<4	28	516	16	4.11	1.86	37	2.58	656	12
NPX09-001	840644	516.8	518	1.2	<5	<15	<10	<1	9.33	<2	265	2	6	2.76	<4	29	478	25	4.09	1.98	58	2.43	708	13
NPX09-001	840645	523.6	525	1.4	<5	<15	<10	<1	7.43	<2	305	1	2	2.13	<4	20	432	47	2.65	1.81	27	1.41	487	15
NPX09-001	840646	NI 117			13	<15	15	<1	6.62	3	725	1	5	1.44	<4	76	93	3013	4.07	1.94	21	0.69	385	34
NPX09-001	840647	528.5	530	1.5	<5	<15	<10	<1	7.555	3	158.5	1.5	2.5	2.835	<4	23.5	297	43	3.225	2	35	1.445	1049	14.5

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Puget Ventures Inc.
Date Created: 09-11-12 10:49:46 AM
Job Number: 200942765
Date Received: 10/27/2009
Number of Samples: 147
Type of Sample: Core
Date Completed: 11/11/2009
Project ID:

* The results included on this report
* This Certificate of Analysis should
  of the laboratory.

*The methods used for these analys

Accur. #	Client Tag	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm
188949	840501	<1	9.26	<2	439	1	9	4.53	<4	31	339	321	4.36	1.89	40	2.59	946
188950	840502	<1	9.16	<2	521	1	11	4.75	<4	31	264	383	4.64	1.95	33	2.63	1228
188951	840503	<1	8.13	<2	279	1	7	4.53	<4	33	302	572	5.12	2.00	28	2.59	1457
188952	840504	<1	9.00	<2	571	<1	11	4.43	<4	37	595	12	4.36	2.22	59	3.75	937
188953	840505	<1	7.18	2	433	<1	7	2.84	<4	8	493	11	2.38	2.16	20	0.46	281
188954	840506	<1	6.28	2	363	<1	5	1.37	<4	8	340	8	1.50	1.93	22	0.47	257
188955	840507	<1	6.85	<2	414	1	7	2.27	<4	15	415	100	2.48	2.28	26	0.98	579
188956	840507	<1	7.73	<2	457	<1	3	2.53	<4	17	473	108	2.80	2.14	29	1.10	651
188957	840508	<1	6.72	2	557	1	5	1.07	<4	7	219	9	1.08	1.89	29	0.48	199
188958	840509	<1	7.08	2	795	<1	5	1.32	<4	8	388	12	1.78	1.89	33	0.66	314
188959	840510	<1	7.43	3	519	<1	7	1.37	<4	10	455	16	2.01	1.98	39	0.79	367
188960	840511	<1	3.73	2	41	<1	<1	>10.00	<4	<1	8	4	0.21	2.10	15	3.10	135
188961	840512	<1	6.47	<2	300	1	2	1.69	<4	6	514	54	1.51	2.16	26	0.55	209
188962	840513	<1	9.41	2	150	<1	9	4.88	<4	44	260	155	7.50	2.21	25	2.30	110[illegible]
188963	840514	<1	6.26	2	401	<1	3	1.39	<4	16	336	220	2.50	2.02	25	0.84	248
188964	840515	<1	9.45	3	184	1	12	4.46	<4	49	243	203	7.67	2.23	26	2.42	101[illegible]
188965	840516	<1	6.33	2	717	<1	5	1.43	<4	72	86	2859	3.93	2.00	18	0.70	371
188966	840517	<1	7.77	<2	231	1	4	1.72	<4	22	474	167	3.53	2.26	35	1.61	481
188967	840517	<1	7.25	<2	214	<1	2	1.62	<4	20	445	146	3.34	2.07	33	1.50	449
188968	840518	<1	8.23	3	237	1	8	2.20	<4	24	362	65	4.05	2.23	47	1.46	479
188969	840519	<1	8.94	<2	155	1	6	3.94	<4	26	408	75	3.90	2.32	30	2.65	699
188970	840520	<1	>10.00	2	234	<1	10	4.08	<4	47	462	276	5.92	2.43	39	3.15	628

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sed for these analysis are not accredited under ISO/IEC 17025

	Li	Mg	Mn	Mo	Ni	P	Pb	Sb	Se	Sn	Sr	Ti	Tl	V	W	Y	Zn
	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
9	40	2.59	946	12	123	1015	18	<5	6	<10	583	3019	6	108	<10	22	92
5	33	2.63	1228	12	133	1129	15	<5	7	<10	449	3124	4	110	<10	34	94
0	28	2.59	1457	11	143	1175	10	<5	5	<10	239	3438	2	117	<10	35	110
2	59	3.75	937	10	179	906	11	<5	5	<10	277	2660	4	122	<10	11	70
6	20	0.46	281	10	27	299	8	<5	4	<10	315	1911	<1	49	<10	7	15
3	22	0.47	257	11	22	244	9	<5	5	<10	134	1535	<1	31	<10	6	25
3	26	0.98	579	9	53	508	10	<5	4	<10	194	1852	<1	53	<10	11	66
4	29	1.10	651	10	61	555	10	<5	5	<10	220	2076	7	59	<10	12	72
9	29	0.48	199	9	16	192	12	<5	5	<10	144	975	<1	20	<10	4	27
9	33	0.66	314	9	21	233	8	<5	4	<10	144	1217	<1	28	<10	5	73
3	39	0.79	367	9	24	272	9	<5	5	<10	131	1484	<1	35	<10	6	66
0	15	3.10	135	11	5	<100	4	<5	7	<10	83	207	1	11	<10	3	4
5	26	0.55	209	11	17	<100	15	<5	4	<10	128	818	<1	19	<10	4	35
1	25	2.30	1101	16	51	382	7	<5	7	<10	133	6216	5	284	<10	21	41
2	25	0.84	248	10	26	244	8	<5	3	<10	160	1740	<1	39	<10	9	28
3	26	2.42	1014	14	57	390	5	<5	7	<10	157	6286	<1	294	<10	22	46
0	18	0.70	371	32	2211	320	25	<5	5	<10	353	778	<1	39	<10	3	34
6	35	1.61	481	11	73	323	11	<5	6	<10	167	2096	2	61	<10	7	80
7	33	1.50	449	10	58	303	10	<5	3	<10	157	1986	2	58	<10	6	75
3	47	1.46	479	12	102	571	41	<5	6	<10	180	3179	3	71	<10	8	69
2	30	2.65	699	10	95	426	10	<5	4	<10	151	2282	4	105	<10	15	44
3	39	3.15	628	12	129	330	14	<5	4	<10	127	3561	<1	170	<10	16	56

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Puget Ventures Inc.
Date Created: 09-11-12 10:49:46 AM
Job Number: 200942765
Date Received: 10/27/2009
Number of Samples: 147
Type of Sample: Core
Date Completed: 11/11/2009
Project ID:

* The results included on thi
* This Certificate of Analysis
of the laboratory.
*The methods used for thes

Accur. #	Client Tag	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %
188971	840521	22	8.39	2750	268	3	23	8.66	18	132	36	>5000	9.18	1.80	28	1.1
188972	840522	<1	>10.00	12	120	1	8	5.27	<4	48	488	247	6.78	2.57	42	4.0
188973	840523	<1	>10.00	4	175	1	15	3.51	<4	54	272	172	7.26	2.40	61	3.1
188974	840524	<1	7.59	<2	215	1	6	1.95	<4	21	463	61	3.24	2.38	39	1.8
188975	840525	<1	6.98	<2	232	1	4	1.64	<4	12	586	33	1.89	2.16	30	0.9
188976	840526	<1	>10.00	4	176	<1	5	4.29	<4	33	289	76	5.32	2.37	36	3.0
188977	840527	<1	3.38	3	42	<1	4	>10.00	<4	2	14	13	0.33	2.30	16	2.7
188979	840528	<1	8.50	2	201	<1	5	2.69	<4	25	218	70	4.15	2.20	50	1.5
188980	840529	<1	>10.00	<2	158	1	8	3.93	<4	41	428	85	6.24	2.44	49	3.5
188981	840530	<1	>10.00	2	169	1	11	3.99	<4	41	434	97	6.81	2.46	47	2.8
188982	840531	<1	9.24	4	113	<1	6	5.72	<4	43	544	6	5.87	2.38	36	3.9
188983	840532	<1	>10.00	4	190	1	14	3.37	<4	49	186	141	7.34	2.63	54	2.9
188984	840533	<1	9.90	<2	137	1	13	4.88	<4	45	488	68	6.35	2.48	43	3.7
188985	840534	<1	6.26	5	707	1	7	1.39	<4	72	86	2889	3.80	1.86	18	0.7
188986	840535	<1	7.44	<2	108	<1	8	4.70	<4	44	542	21	5.89	2.18	35	3.8
188987	840536	<1	9.93	<2	175	1	9	3.75	<4	34	263	29	4.96	2.19	41	2.5
188988	840537	<1	6.48	2	96	1	10	4.56	<4	57	88	607	8.72	1.83	21	1.7
188989	840537	<1	8.82	2	107	1	9	5.14	<4	58	90	611	9.57	2.24	25	2.2
188990	840538	<1	9.84	4	123	2	11	4.77	<4	56	96	355	9.67	2.30	32	2.8
188991	840539	<1	9.16	2	171	2	7	3.10	<4	36	214	136	5.49	2.47	33	2.0
188992	840540	21	7.55	2664	203	3	18	8.35	18	132	34	>5000	9.09	1.67	25	1.1
188993	840541	<1	4.12	17	92	<1	<1	1.90	<4	95	1520	942	4.66	2.07	31	7.2

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Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
28	1.17	2101	23	66	4791	18	7	5	<10	918	2801	5	196	12	23	705
42	4.01	889	14	208	330	7	<5	5	<10	119	3541	3	185	<10	19	50
61	3.19	695	17	150	839	8	<5	9	<10	121	6555	<1	286	<10	19	56
39	1.85	361	11	51	189	5	<5	4	<10	136	2118	<1	83	<10	4	34
30	0.96	209	9	30	263	5	<5	5	<10	163	1311	2	42	<10	4	19
36	3.00	771	17	102	375	5	<5	7	<10	167	3655	2	163	<10	15	43
16	2.70	149	11	19	104	5	<5	10	<10	93	354	6	18	<10	3	5
50	1.59	549	12	52	377	18	<5	6	<10	142	3177	4	106	<10	10	52
49	3.50	811	13	152	391	9	6	5	<10	114	3759	7	181	<10	22	52
47	2.81	810	16	104	565	8	<5	7	<10	134	4913	7	236	<10	22	49
36	3.92	874	11	248	123	8	<5	4	<10	94	2474	<1	141	<10	14	38
54	2.90	738	15	78	1003	6	<5	4	<10	114	6500	2	311	<10	22	53
43	3.79	743	14	200	293	1	<5	5	<10	112	3661	6	179	<10	14	37
18	0.71	363	31	2219	326	9	<5	5	<10	349	722	3	36	<10	3	34
35	3.88	777	10	229	146	4	<5	3	<10	90	2658	2	157	<10	11	27
41	2.58	543	13	201	1701	14	<5	4	<10	145	4340	<1	176	<10	26	48
21	1.78	1159	14	94	472	10	<5	4	<10	116	6353	1	431	<10	18	53
25	2.26	1239	16	95	494	8	<5	5	<10	131	6901	<1	463	<10	24	54
32	2.82	1271	17	116	480	9	<5	7	<10	122	7381	<1	628	<10	28	50
33	2.08	717	11	133	276	11	<5	5	<10	143	4709	10	299	<10	16	38
25	1.13	2118	23	64	4689	15	<5	4	<10	894	2727	1	196	11	23	686
31	7.29	623	4	2326	119	8	<5	4	<10	39	1298	3	73	<10	5	45

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Puget Ventures Inc.
Date Created: 09-11-12 10:49:46 AM
Job Number: 200942765
Date Received: 10/27/2009
Number of Samples: 147
Type of Sample: Core
Date Completed: 11/11/2009
Project ID:

* The results included on this re
* This Certificate of Analysis sh
of the laboratory.
*The methods used for these a

Accur. #	Client Tag	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %
188994	840542	<1	5.89	<2	110	<1	5	1.48	<4	100	1948	1066	5.00	2.02	37	6.59
188995	840543	<1	8.04	3	200	1	6	1.94	<4	35	367	399	4.48	2.14	50	1.38
188996	840544	<1	>10.00	4	155	2	12	3.40	<4	37	639	145	5.43	2.32	54	2.62
188997	840545	<1	7.53	2	165	2	8	1.87	<4	19	372	155	2.82	2.05	39	1.04
188998	840546	<1	8.23	3	136	1	9	4.91	<4	44	475	57	6.59	1.97	47	3.77
188999	840547	<1	3.49	4	35	<1	5	>10.00	<4	2	13	13	0.33	2.13	16	3.34
189001	840548	<1	6.79	<2	182	<1	2	4.49	<4	38	536	2	5.42	1.84	45	3.54
189002	840549	<1	9.17	6	104	1	10	5.29	<4	55	141	171	9.44	2.25	23	2.73
189003	840550	<1	9.99	6	177	2	7	4.81	<4	55	129	210	8.65	2.38	32	2.50
189004	840551	<1	>10.00	2	178	1	10	3.27	<4	39	640	123	5.80	2.55	43	2.78
189005	840552	<1	9.42	3	138	2	8	2.91	<4	50	1092	419	5.43	2.30	37	2.95
189006	840553	<1	7.13	<2	194	<1	10	0.96	<4	63	2822	158	7.84	2.22	72	5.91
189007	840554	<1	8.05	<2	150	2	8	1.64	<4	27	884	185	3.86	2.04	40	1.65
189008	840555	<1	6.31	<2	173	<1	9	1.55	<4	76	2443	417	7.53	2.01	50	4.70
189009	840556	<1	3.39	<2	35	<1	10	2.53	<4	97	1510	758	6.23	1.74	17	8.58
189010	840557	<1	6.59	<2	716	1	5	1.42	<4	73	106	2860	3.94	1.94	18	0.84
189012	840558	<1	4.56	<2	42	1	7	2.50	<4	152	1718	1638	7.56	2.07	24	8.69
189013	840559	<1	9.52	4	135	<1	12	3.05	<4	31	564	419	4.15	2.24	42	2.34
189014	840560	<1	>10.00	<2	218	<1	12	5.12	<4	52	232	113	9.00	2.39	41	3.31
189015	840561	<1	8.01	3	126	<1	9	2.15	<4	27	651	143	3.15	1.95	32	1.51
189016	840562	<1	3.66	<2	39	<1	5	>10.00	<4	<1	6	5	0.20	1.99	16	2.48
189017	840563	<1	6.96	3	143	1	4	1.87	<4	11	555	45	1.98	1.99	30	0.60

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Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
37	6.59	590	4	2636	196	30	<5	3	<10	36	1557	4	65	<10	6	88
50	1.38	533	16	223	502	26	<5	4	<10	122	3653	3	221	<10	9	76
54	2.62	836	13	310	277	13	<5	5	<10	124	4489	9	209	<10	25	49
39	1.04	316	14	121	616	11	<5	3	<10	166	2356	<1	67	<10	7	50
47	3.77	798	12	321	162	5	<5	5	<10	90	3444	3	238	<10	14	38
16	3.34	157	10	15	123	5	<5	8	<10	91	245	<1	17	<10	4	4
45	3.54	643	10	305	<100	6	<5	4	<10	107	2362	4	142	<10	11	25
23	2.73	1270	16	123	386	5	<5	6	<10	90	7394	2	613	<10	26	42
32	2.50	1146	18	161	866	8	<5	7	<10	103	7473	4	528	<10	30	52
43	2.78	787	13	362	488	10	<5	5	<10	105	4462	9	194	<10	25	59
37	2.95	844	12	994	146	12	<5	4	<10	77	2873	6	125	<10	36	56
72	5.91	831	36	1320	<100	7	<5	3	<10	31	3755	5	251	<10	6	150
40	1.65	546	16	334	246	15	<5	4	<10	102	2593	2	70	<10	5	71
50	4.70	1219	15	1741	228	15	<5	3	<10	49	3484	4	130	<10	10	124
17	8.58	774	<1	2104	<100	6	<5	6	<10	34	1023	<1	67	<10	5	17
18	0.84	372	31	2233	321	8	<5	4	<10	351	703	2	36	<10	3	34
24	8.69	945	7	4309	<100	10	<5	4	<10	37	1101	<1	71	<10	6	38
42	2.34	599	13	401	4482	20	<5	3	<10	119	2402	18	73	<10	48	81
41	3.31	1129	16	91	433	7	<5	7	<10	108	6956	2	328	<10	27	46
32	1.51	434	12	378	192	16	<5	9	<10	117	1804	3	60	<10	4	70
16	2.48	136	12	16	<100	4	<5	>10.0(	<10	90	243	5	12	<10	3	12
30	0.60	214	11	23	181	12	<5	7	<10	120	1807	<1	40	<10	4	34

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Puget Ventures Inc.
Date Created: 09-11-12 10:49:46 AM
Job Number: 200942765
Date Received: 10/27/2009
Number of Samples: 147
Type of Sample: Core
Date Completed: 11/11/2009
Project ID:

* The results included on this report
* This Certificate of Analysis should
of the laboratory.

*The methods used for these analys

Accur. #	Client Tag	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm
189018	840564	<1	9.08	2	193	<1	12	4.57	<4	41	178	673	6.50	2.18	25	1.83	664
189019	840565	<1	7.15	<2	355	<1	<1	1.79	<4	18	389	50	2.86	2.07	33	1.29	458
189020	840566	<1	7.48	3	432	<1	<1	1.67	<4	17	373	32	2.76	2.18	37	1.49	435
189021	840567	<1	8.27	<2	309	1	6	2.11	<4	18	458	33	3.11	2.12	33	1.78	531
189022	840567	<1	7.08	3	67	<1	6	1.64	<4	16	349	5	2.37	2.11	35	1.02	336
189023	840568	<1	7.41	<2	156	<1	9	4.91	<4	46	623	3	6.13	2.09	41	3.63	871
189024	840569	20	6.96	2548	215	3	16	7.88	18	127	34	>5000	8.61	1.68	27	1.01	2014
189025	840570	<1	8.29	4	270	<1	6	2.26	<4	20	352	58	3.18	2.08	35	1.64	406
189026	840571	<1	6.27	2	782	<1	3	1.06	<4	6	284	14	1.06	1.94	26	0.43	136
189027	840572	<1	7.16	3	321	1	6	1.85	<4	14	391	14	2.32	1.95	33	1.24	365
189028	840573	<1	7.03	<2	307	<1	7	1.61	<4	16	284	10	2.53	1.99	32	1.49	391
189029	840574	<1	7.22	<2	422	<1	7	1.73	<4	17	442	12	2.81	1.85	32	1.58	459
189030	840575	<1	7.91	3	252	1	4	2.18	<4	18	422	49	2.66	1.86	29	1.58	392
189031	840576	<1	8.65	3	315	1	4	2.46	<4	27	439	19	3.82	2.15	29	2.43	535
189032	840577	<1	8.24	<2	284	<1	5	2.81	<4	25	487	32	3.50	2.06	28	2.04	480
189033	840577	<1	8.57	4	295	<1	6	2.97	<4	26	507	31	3.61	2.00	29	2.11	495
189034	840578	1	3.48	2	43	<1	3	>10.00	<4	1	8	4	0.20	2.16	15	2.25	129
189035	840579	<1	8.53	<2	341	1	11	2.35	<4	24	388	38	3.41	2.31	34	2.06	527
189036	840580	<1	8.78	3	439	1	4	2.64	<4	24	395	34	3.48	2.22	36	1.97	465
189037	840581	<1	7.67	<2	470	1	5	2.07	<4	18	374	18	2.53	2.33	36	1.32	440
189038	840582	<1	7.79	2	249	<1	10	2.30	<4	17	464	9	2.97	2.24	35	1.27	737
189039	840583	<1	6.67	<2	302	6	6	1.24	<4	9	339	5	1.79	1.74	42	0.92	312

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K	Li	Mg	Mn	Mo	Ni	P	Pb	Sb	Se	Sn	Sr	Ti	Tl	V	W	Y	Zn
%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
2.18	25	1.83	664	15	72	356	5	<5	9	<10	147	5538	<1	251	<10	20	27
2.07	33	1.29	458	11	43	362	10	<5	7	<10	154	2526	3	74	<10	5	81
2.18	37	1.49	435	13	52	426	11	<5	6	<10	186	2487	<1	70	<10	5	79
2.12	33	1.78	531	13	73	397	9	<5	8	<10	182	2518	2	70	<10	5	58
2.11	35	1.02	336	8	97	<100	10	<5	5	<10	63	1036	<1	51	<10	3	39
2.09	41	3.63	871	12	275	144	7	<5	4	<10	96	2475	2	149	<10	12	46
1.68	27	1.01	2014	22	63	4413	16	8	4	<10	829	2531	<1	181	13	20	681
2.08	35	1.64	406	12	73	412	8	<5	3	<10	220	2717	<1	81	<10	6	61
1.94	26	0.43	136	10	15	155	16	<5	3	<10	132	1083	<1	21	<10	3	27
1.95	33	1.24	365	10	53	356	14	<5	6	<10	170	2061	1	51	<10	5	52
1.99	32	1.49	391	9	60	322	12	<5	6	<10	146	2310	<1	56	<10	5	55
1.85	32	1.58	459	13	65	352	10	<5	7	<10	159	2257	3	62	<10	5	56
1.86	29	1.58	392	13	70	305	12	<5	9	<10	163	2304	3	63	22	6	50
2.15	29	2.43	535	11	105	372	8	<5	7	<10	179	2966	3	94	<10	8	63
2.06	28	2.04	480	11	101	396	6	<5	8	<10	165	3010	6	89	<10	8	60
2.00	29	2.11	495	11	104	404	8	<5	7	<10	173	3041	10	92	<10	9	60
2.16	15	2.25	129	11	8	<100	5	<5	10	<10	86	261	<1	13	<10	3	5
2.31	34	2.06	527	13	88	445	7	<5	4	<10	186	2762	<1	80	<10	8	68
2.22	36	1.97	465	14	92	376	10	<5	4	<10	198	2795	1	87	<10	9	63
2.33	36	1.32	440	13	66	430	17	<5	5	<10	185	2378	1	63	<10	6	90
2.24	35	1.27	737	12	65	424	12	<5	4	<10	160	2259	<1	60	<10	6	158
1.74	42	0.92	312	14	30	130	10	<5	6	<10	106	1310	<1	21	<10	4	78

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Puget Ventures Inc.
Date Created: 09-11-12 10:49:46 AM
Job Number: 200942765
Date Received: 10/27/2009
Number of Samples: 147
Type of Sample: Core
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Accur. #	Client Tag	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mr ppr
189040	840584	<1	5.58	<2	489	<1	5	1.02	<4	11	329	323	1.34	1.59	26	0.54	193
189041	840585	19	6.33	2423	299	3	20	7.32	16	120	36	>5000	8.29	1.59	24	0.90	189
189042	840586	<1	7.85	42	218	3	11	1.88	<4	26	405	704	3.43	1.75	52	1.61	592
189043	840587	<1	7.57	7	294	<1	4	2.49	<4	22	360	114	2.80	1.75	33	1.63	536
189044	840587	<1	7.74	<2	294	1	2	2.50	<4	22	361	39	2.79	1.87	32	1.63	529
189045	840588	<1	7.47	4	308	<1	2	2.22	<4	24	361	34	2.67	1.98	33	1.65	500
189046	840589	1	3.40	3	44	<1	3	>10.00	<4	1	12	5	0.23	2.17	16	2.52	138
189047	840590	<1	>10.00	4	436	1	9	3.25	<4	43	786	59	6.01	2.40	53	4.09	109
189048	840591	<1	3.03	<2	40	<1	7	>10.00	<4	<1	13	5	0.26	2.30	16	3.36	162
189049	840592	<1	8.78	<2	286	1	9	3.59	<4	24	441	16	3.50	2.12	29	1.43	711
189050	840593	<1	8.54	6	314	<1	9	2.75	<4	33	554	26	4.14	2.21	32	1.47	832
189051	840594	<1	6.07	<2	767	1	8	1.41	<4	81	98	3111	4.22	1.57	18	0.73	401
189052	840595	<1	8.62	<2	343	1	6	2.29	<4	32	468	30	4.18	1.82	50	2.25	453
189053	840596	<1	8.12	3	338	2	7	2.06	<4	29	490	18	4.05	2.08	39	1.92	650
189054	840597	22	7.85	2825	323	4	18	8.44	19	145	41	>5000	9.85	1.74	26	1.20	225
189056	840598	<1	7.85	26	296	1	9	3.07	<4	24	338	396	3.41	2.06	31	1.72	606
189057	840599	<1	8.85	5	199	<1	13	2.11	<4	24	570	20	3.20	2.27	34	2.99	799
189058	840600	<1	8.69	<2	257	<1	8	2.16	<4	23	414	14	2.94	2.34	28	2.66	687
189059	840601	<1	7.95	2	344	5	4	1.70	<4	18	367	13	3.12	2.34	44	1.40	788
189060	840602	<1	9.61	<2	150	3	8	2.50	<4	27	319	17	4.18	2.40	33	2.40	954
189061	840603	<1	>10.00	<2	153	1	8	2.07	<4	25	416	7	3.37	2.34	42	3.25	750
189062	840604	<1	8.95	5	189	<1	6	1.88	<4	25	423	5	3.22	2.24	43	2.75	736

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Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
26	0.54	193	17	68	150	42	<5	6	<10	105	1194	<1	27	<10	3	150
24	0.90	1891	22	61	4155	16	6	7	<10	795	2528	<1	180	12	18	642
52	1.61	592	15	120	349	14	<5	7	<10	190	3105	2	106	<10	4	177
33	1.63	536	16	89	326	9	<5	7	<10	215	2373	10	78	<10	5	161
32	1.63	529	15	90	321	8	<5	6	<10	216	2348	8	78	<10	5	160
33	1.65	500	12	103	315	9	<5	6	<10	171	2359	2	80	<10	4	165
16	2.52	138	10	12	<100	3	<5	8	<10	80	259	3	12	<10	3	8
53	4.09	1092	18	258	328	18	6	5	<10	184	3875	2	118	<10	12	245
16	3.36	162	12	6	<100	5	<5	6	<10	94	216	4	13	<10	3	7
29	1.43	711	13	100	627	9	<5	5	<10	222	2395	<1	94	<10	7	110
32	1.47	832	14	133	483	11	<5	4	<10	205	3421	9	114	<10	6	114
18	0.73	401	34	2474	350	12	<5	5	<10	375	751	<1	39	<10	3	37
50	2.25	453	12	142	454	9	<5	5	<10	143	3416	3	116	<10	5	132
39	1.92	650	15	119	356	10	<5	5	<10	133	2994	<1	102	<10	5	126
26	1.20	2254	24	73	4979	16	8	8	<10	940	2891	<1	209	12	24	752
31	1.72	606	10	100	471	5	<5	5	<10	131	2086	8	97	<10	5	109
34	2.99	799	11	209	291	8	<5	5	<10	76	1520	<1	60	<10	6	173
28	2.66	687	10	176	287	10	<5	3	<10	87	1790	<1	66	<10	5	172
44	1.40	788	13	93	254	11	<5	4	<10	113	1469	4	76	<10	3	135
33	2.40	954	12	130	415	11	<5	3	<10	142	2544	6	101	<10	7	197
42	3.25	750	10	214	330	9	<5	3	<10	100	1778	<1	68	<10	8	166
43	2.75	736	12	205	326	7	<5	5	<10	90	1178	1	67	<10	6	148

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Puget Ventures Inc.
Date Created: 09-11-12 10:49:46 AM
Job Number: 200942765
Date Received: 10/27/2009
Number of Samples: 147
Type of Sample: Core
Date Completed: 11/11/2009
Project ID:

* The results included on th
* This Certificate of Analysi
of the laboratory.
*The methods used for thes

Accur. #	Client Tag	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %
189063	840605	<1	9.93	3	213	3	12	1.70	<4	23	251	8	3.40	2.15	43	2.5
189064	840606	<1	9.39	2	195	<1	5	2.10	<4	27	282	3	4.12	2.22	35	2.4
189065	840607	<1	6.22	2	128	<1	2	1.62	<4	8	245	8	1.14	1.99	21	0.4
189066	840607	<1	6.35	3	133	<1	6	1.62	<4	8	248	8	1.12	1.83	23	0.4
189067	840608	<1	6.09	<2	721	<1	10	1.38	<4	74	89	2902	3.90	1.83	19	0.6
189068	840609	<1	>10.00	3	275	2	10	1.25	<4	30	308	21	4.92	2.06	50	2.8
189069	840610	<1	9.26	2	233	4	10	0.85	<4	31	384	6	4.78	2.28	64	2.2
189070	840611	<1	7.90	2	168	2	8	1.37	<4	29	329	4	4.74	2.26	36	1.8
189071	840612	<1	7.08	<2	361	<1	6	1.63	<4	16	257	9	2.70	2.10	29	1.0
189072	840613	17	6.78	2338	346	3	15	7.33	16	120	31	>5000	8.08	1.69	24	1.0
189073	840614	<1	7.42	8	156	<1	5	2.95	<4	25	323	102	3.55	1.93	21	1.5
189074	840615	<1	3.18	<2	38	<1	7	>10.00	<4	1	9	9	0.22	2.24	13	2.3
189075	840616	<1	7.89	3	145	2	<1	2.32	<4	29	284	80	4.22	2.00	35	1.5
189076	840617	<1	7.34	3	366	2	8	1.47	<4	29	343	243	4.47	1.95	42	1.2
189077	840617	<1	7.36	<2	380	2	<1	1.52	<4	30	353	250	4.68	1.93	43	1.2
189078	840618	<1	7.39	<2	149	<1	<1	2.24	<4	24	265	61	3.47	2.07	31	1.2
189079	840619	<1	6.98	4	194	1	9	1.65	<4	27	362	19	4.19	2.02	36	1.1
189080	840620	<1	7.99	<2	171	2	9	1.62	<4	26	343	20	4.52	2.22	40	1.2
189081	840621	<1	7.33	3	195	1	1	1.85	<4	40	310	55	3.40	1.55	38	1.1
189082	840622	<1	8.12	<2	444	1	9	1.89	<4	20	177	8	2.70	1.74	47	1.7
189083	840623	<1	6.44	<2	350	1	7	1.12	<4	18	301	13	3.73	1.74	44	0.9
189084	840624	<1	7.78	<2	435	<1	10	1.80	<4	20	179	7	2.68	1.87	48	1.7

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Li	Mg	Mn	Mo	Ni	P	Pb	Sb	Se	Sn	Sr	Ti	Tl	V	W	Y	Zn
ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
43	2.54	811	11	145	377	10	<5	4	<10	82	2112	2	80	<10	7	151
35	2.45	934	12	109	466	8	<5	4	<10	92	2557	4	88	<10	7	171
21	0.43	280	32	36	131	6	<5	3	<10	121	669	2	49	<10	4	46
23	0.42	281	42	39	138	6	<5	6	<10	119	698	<1	50	<10	4	45
19	0.68	370	32	2243	311	8	<5	5	<10	348	713	<1	36	<10	3	34
50	2.86	573	16	129	308	7	<5	8	<10	62	2166	<1	106	<10	7	137
64	2.29	447	13	130	213	3	<5	5	<10	57	2943	3	109	<10	5	125
36	1.80	694	16	112	243	7	<5	4	<10	67	2577	2	81	<10	6	154
29	1.06	682	23	69	182	12	<5	5	<10	106	1761	<1	70	<10	5	85
24	1.04	1864	21	60	4170	15	8	3	<10	758	2261	3	163	<10	20	629
21	1.50	1202	11	110	461	13	<5	3	<10	151	2500	9	96	<10	4	168
13	2.33	142	11	9	<100	2	<5	8	<10	76	257	<1	12	<10	3	8
35	1.58	1322	12	147	323	9	<5	5	<10	108	2412	<1	96	<10	6	173
42	1.20	831	24	133	216	8	<5	5	<10	102	2094	3	102	<10	4	211
43	1.21	925	24	137	220	10	<5	6	<10	108	2237	2	107	<10	4	224
31	1.28	780	14	109	350	8	<5	6	<10	101	2483	<1	89	<10	5	140
36	1.17	734	39	117	154	11	<5	8	<10	105	3573	2	108	<10	5	117
40	1.23	912	30	122	165	10	<5	9	<10	99	3606	<1	96	<10	7	97
38	1.17	713	38	153	159	89	<5	5	<10	95	2533	5	70	<10	5	230
47	1.74	797	12	80	322	14	<5	6	<10	94	2292	<1	67	<10	4	190
44	0.93	443	24	70	143	16	<5	6	<10	94	3700	4	55	<10	4	106
48	1.72	780	11	75	318	11	<5	6	<10	88	2227	<1	66	<10	4	177

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Puget Ventures Inc.
Date Created: 09-11-12 10:49:46 AM
Job Number: 200942765
Date Received: 10/27/2009
Number of Samples: 147
Type of Sample: Core
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Accur. #	Client Tag	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %
189085	840625	<1	6.24	<2	336	1	3	1.09	<4	19	285	12	3.54	1.74	44	0.87
189086	840626	<1	7.86	<2	251	<1	6	1.74	<4	19	198	6	2.42	1.86	56	1.77
189087	840627	<1	3.35	3	42	<1	2	>10.00	<4	<1	9	4	0.19	1.76	16	1.73
189089	840628	<1	7.32	<2	276	<1	4	1.58	<4	17	191	2	2.33	1.89	47	1.54
189090	840629	<1	6.04	3	725	<1	5	1.37	<4	72	85	2731	3.77	1.64	19	0.63
189091	840630	<1	9.12	<2	347	<1	8	2.21	<4	28	419	50	3.49	2.13	39	2.63
189092	840631	<1	8.03	3	279	<1	6	1.94	<4	15	343	6	2.50	2.10	43	1.50
189093	840632	20	7.52	2550	393	3	18	7.94	17	129	38	>5000	8.95	1.85	25	1.06
189094	840633	<1	7.29	28	251	<1	6	1.70	<4	18	425	346	3.11	1.92	48	1.46
189095	840634	<1	6.65	3	444	<1	11	1.31	<4	10	264	20	2.02	1.74	31	0.80
189096	840635	<1	6.52	<2	258	1	6	1.50	<4	15	405	6	2.68	1.85	39	1.30
189097	840636	<1	7.42	<2	256	1	11	1.84	<4	18	433	10	2.84	1.93	40	1.49
189098	840637	<1	6.59	<2	522	<1	5	1.69	<4	10	392	8	1.77	1.81	26	0.73
189099	840637	<1	6.56	<2	521	<1	3	1.69	<4	9	396	8	1.76	2.02	26	0.73
189100	840638	<1	7.60	2	241	<1	4	2.53	<4	18	341	10	2.57	1.91	34	1.45
189101	840639	<1	7.81	3	295	<1	8	2.10	<4	21	433	17	2.98	2.14	33	1.45
189102	840640	<1	3.32	4	43	<1	4	>10.00	<4	<1	13	4	0.24	2.19	15	2.98
189103	840641	<1	9.56	<2	314	1	6	3.60	<4	30	523	45	4.35	2.29	29	2.59
189104	840642	<1	>10.00	4	267	<1	5	2.87	<4	30	499	34	4.57	2.33	33	2.70
189105	840643	<1	9.83	<2	249	1	4	3.04	<4	28	516	16	4.11	1.86	37	2.58
189106	840644	<1	9.33	<2	265	2	6	2.76	<4	29	478	25	4.09	1.98	58	2.43
189107	840645	<1	7.43	<2	305	1	2	2.13	<4	20	432	47	2.65	1.81	27	1.41

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Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
44	0.87	421	24	67	134	14	<5	7	<10	92	3522	3	53	<10	4	102
56	1.77	630	10	74	397	9	<5	6	<10	122	2279	2	71	<10	4	167
16	1.73	126	9	12	<100	6	<5	>10.0(	<10	96	263	5	13	<10	3	24
47	1.54	492	9	71	364	10	<5	4	<10	136	1950	1	63	<10	5	126
19	0.63	358	31	2168	313	10	<5	3	<10	337	699	1	34	<10	3	37
39	2.63	682	11	230	350	14	5	4	<10	243	2547	3	86	<10	7	206
43	1.50	440	15	55	334	8	<5	2	<10	102	1892	2	55	<10	6	65
25	1.06	2079	23	65	4420	15	<5	7	<10	851	2668	<1	191	12	21	677
48	1.46	475	11	60	328	10	<5	5	<10	138	2540	<1	61	<10	5	86
31	0.80	273	12	30	214	21	<5	6	<10	130	1467	4	31	<10	5	55
39	1.30	425	11	57	325	8	<5	6	<10	150	2205	3	56	<10	5	67
40	1.49	440	15	67	407	14	<5	6	<10	145	2501	<1	63	<10	6	77
26	0.73	280	12	28	275	19	<5	4	<10	132	1667	<1	34	<10	6	40
26	0.73	277	12	26	272	20	<5	4	<10	131	1668	2	33	<10	6	40
34	1.45	473	11	83	399	11	<5	4	<10	140	2304	10	61	<10	6	64
33	1.45	517	16	79	291	11	<5	4	<10	179	2758	5	84	<10	6	71
15	2.98	147	12	8	<100	4	<5	7	<10	83	256	<1	13	<10	3	6
29	2.59	752	12	115	450	3	<5	4	<10	266	3168	<1	106	<10	12	66
33	2.70	837	12	130	427	8	<5	3	<10	220	3195	2	102	<10	14	98
37	2.58	656	12	116	415	2	<5	8	<10	136	3025	4	98	<10	12	73
58	2.43	708	13	122	404	4	<5	8	<10	211	3220	4	99	<10	10	89
27	1.41	487	15	106	222	7	<5	7	<10	208	2728	<1	82	<10	4	67

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Accur. #	Client Tag	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	M p
189108	840646	<1	6.62	3	725	1	5	1.44	<4	76	93	3013	4.07	1.94	21	0.69	3
189109	840647	<1	7.38	<2	153	1	3	2.76	<4	23	291	45	3.12	1.97	34	1.41	9
189110	840647	<1	7.73	4	164	2	2	2.91	<4	24	303	41	3.33	2.03	36	1.48	1

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K	Li	Mg	Mn	Mo	Ni	P	Pb	Sb	Se	Sn	Sr	Ti	Tl	V	W	Y	Zn
%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
94	21	0.69	385	34	2347	336	12	<5	8	<10	353	788	<1	37	<10	3	39
97	34	1.41	972	14	66	493	5	<5	4	<10	133	2691	6	84	<10	5	77
03	36	1.48	1126	15	64	513	7	<5	6	<10	143	2867	1	89	<10	5	80

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Hole No,	Assay No.	From	To	Width	Ni	P	Pb	Sb	Se	Sn	Sr	Ti	Tl	V	W	Y	Zn
				0	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
NPX09-001	840501	20.2	21.85	1.65	123	1015	18	<5	6	<10	583	3019	6	108	<10	22	92
NPX09-001	840502	28.8	30.5	1.7	133	1129	15	<5	7	<10	449	3124	4	110	<10	34	94
NPX09-001	840503	30.5	32	1.5	143	1175	10	<5	5	<10	239	3438	2	117	<10	35	110
NPX09-001	840504	61.8	62.75	0.95	179	906	11	<5	5	<10	277	2660	4	122	<10	11	70
NPX09-001	840505	69.6	70.1	0.5	27	299	8	<5	4	<10	315	1911	<1	49	<10	7	15
NPX09-001	840506	92.3	94.5	2.2	22	244	9	<5	5	<10	134	1535	<1	31	<10	6	25
NPX09-001	840507	111.5	113	1.5	57	531.5	10	<5	4.5	<10	207	1964	4	56	<10	11.5	69
NPX09-001	840508	129.3	130.1	0.8	16	192	12	<5	5	<10	144	975	<1	20	<10	4	27
NPX09-001	840509	163.1	164.5	1.4	21	233	8	<5	4	<10	144	1217	<1	28	<10	5	73
NPX09-001	840510	177.5	179.1	1.6	24	272	9	<5	5	<10	131	1484	<1	35	<10	6	66
NPX09-001	840511	BLANK			5	<100	4	<5	7	<10	83	207	1	11	<10	3	4
NPX09-001	840512	228.4	229.6	1.2	17	<100	15	<5	4	<10	128	818	<1	19	<10	4	35
NPX09-001	840513	229.6	232.2	2.6	51	382	7	<5	7	<10	133	6216	5	284	<10	21	41
NPX09-001	840514	232.2	233	0.8	26	244	8	<5	3	<10	160	1740	<1	39	<10	9	28
NPX09-001	840515	233	234.5	1.5	57	390	5	<5	7	<10	157	6286	<1	294	<10	22	46
NPX09-001	840516	NI 117			2211	320	25	<5	5	<10	353	778	<1	39	<10	3	34
NPX09-001	840517	234.5	236.4	1.9	65.5	313	10.5	<5	4.5	<10	162	2041	2	59.5	<10	6.5	77.5
NPX09-001	840518	236.4	237.6	1.2	102	571	41	<5	6	<10	180	3179	3	71	<10	8	69
NPX09-001	840519	237.6	239.2	1.6	95	426	10	<5	4	<10	151	2282	4	105	<10	15	44
NPX09-001	840520	245.1	246.6	1.5	129	330	14	<5	4	<10	127	3561	<1	170	<10	16	56
NPX09-001	840521	PG 126			66	4791	18	7	5	<10	918	2801	5	196	12	23	705
NPX09-001	840522	246.6	248	1.4	208	330	7	<5	5	<10	119	3541	3	185	<10	19	50
NPX09-001	840523	248	249.6	1.6	150	839	8	<5	9	<10	121	6555	<1	286	<10	19	56
NPX09-001	840524	255.3	256.5	1.2	51	189	5	<5	4	<10	136	2118	<1	83	<10	4	34
NPX09-001	840525	256.5	257.4	0.9	30	263	5	<5	5	<10	163	1311	2	42	<10	4	19
NPX09-001	840526	257.4	259.2	1.8	102	375	5	<5	7	<10	167	3655	2	163	<10	15	43
NPX09-001	840527	BLANK			19	104	5	<5	10	<10	93	354	6	18	<10	3	5
NPX09-001	840528	259.2	261	1.8	52	377	18	<5	6	<10	142	3177	4	106	<10	10	52
NPX09-001	840529	261	262.7	1.7	152	391	9	6	5	<10	114	3759	7	181	<10	22	52
NPX09-001	840530	262.7	264.3	1.6	104	565	8	<5	7	<10	134	4913	7	236	<10	22	49
NPX09-001	840531	264.3	266.8	2.5	248	123	8	<5	4	<10	94	2474	<1	141	<10	14	38
NPX09-001	840532	266.8	267.3	0.5	78	1003	6	<5	4	<10	114	6500	2	311	<10	22	53
NPX09-001	840533	267.3	269	1.7	200	293	1	<5	5	<10	112	3661	6	179	<10	14	37
NPX09-001	840534	NI 117			2219	326	9	<5	5	<10	349	722	3	36	<10	3	34
NPX09-001	840535	269	270.5	1.5	229	146	4	<5	3	<10	90	2658	2	157	<10	11	27
NPX09-001	840536	270.5	272	1.5	201	1701	14	<5	4	<10	145	4340	<1	176	<10	26	48
NPX09-001	840537	272	273.5	1.5	94.5	483	9	<5	4.5	<10	123.5	6627	1	447	<10	21	53.5
NPX09-001	840538	273.5	275	1.5	116	480	9	<5	7	<10	122	7381	<1	628	<10	28	50
NPX09-001	840539	275	276.4	1.4	133	276	11	<5	5	<10	143	4709	10	299	<10	16	38
NPX09-001	840540	PG 126			64	4689	15	<5	4	<10	894	2727	1	196	11	23	686
NPX09-001	840541	276.4	278.2	1.8	2326	119	8	<5	4	<10	39	1298	3	73	<10	5	45
NPX09-001	840542	278.2	279.9	1.7	2636	196	30	<5	3	<10	36	1557	4	65	<10	6	88
NPX09-001	840543	279.9	281.4	1.5	223	502	26	<5	4	<10	122	3653	3	221	<10	9	76
NPX09-001	840544	281.4	283	1.6	310	277	13	<5	5	<10	124	4489	9	209	<10	25	49
NPX09-001	840545	283	283.6	0.6	121	616	11	<5	3	<10	166	2356	<1	67	<10	7	50
NPX09-001	840546	283.6	285	1.4	321	162	5	<5	5	<10	90	3444	3	238	<10	14	38
NPX09-001	840547	BLANK			15	123	5	<5	8	<10	91	245	<1	17	<10	4	4
NPX09-001	840548	285	286.2	1.2	305	<100	6	<5	4	<10	107	2362	4	142	<10	11	25
NPX09-001	840549	286.2	287.7	1.5	123	386	5	<5	6	<10	90	7394	2	613	<10	26	42
NPX09-001	840550	287.7	289.5	1.8	161	866	8	<5	7	<10	103	7473	4	528	<10	30	52
NPX09-001	840551	289.5	291.4	1.9	362	488	10	<5	5	<10	105	4462	9	194	<10	25	59
NPX09-001	840552	291.4	292.8	1.4	994	146	12	<5	4	<10	77	2873	6	125	<10	36	56
NPX09-001	840553	292.8	293.7	0.9	1320	<100	7	<5	3	<10	31	3755	5	251	<10	6	150
NPX09-001	840554	293.7	295.2	1.5	334	246	15	<5	4	<10	102	2593	2	70	<10	5	71
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NPX09-001	840556	296.3	297	0.7	2104	<100	6	<5	6	<10	34	1023	<1	67	<10	5	17
NPX09-001	840557	NI 117			2233	321	8	<5	4	<10	351	703	2	36	<10	3	34
NPX09-001	840558	297	298.1	1.1	4309	<100	10	<5	4	<10	37	1101	<1	71	<10	6	38
NPX09-001	840559	298.1	298.7	0.6	401	4482	20	<5	3	<10	119	2402	18	73	<10	48	81
NPX09-001	840560	298.7	301.5	2.8	91	433	7	<5	7	<10	108	6956	2	328	<10	27	46
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NPX09-001	840569	PG126			63	4413	16	8	4	<10	829	2531	<1	181	13	20	681
NPX09-001	840570	309.5	311	1.5	73	412	8	<5	3	<10	220	2717	<1	81	<10	6	61
NPX09-001	840571	311	312.5	1.5	15	155	16	<5	3	<10	132	1083	<1	21	<10	3	27
NPX09-001	840572	312.5	314	1.5	53	356	14	<5	6	<10	170	2061	1	51	<10	5	52
NPX09-001	840573	314	315.5	1.5	60	322	12	<5	6	<10	146	2310	<1	56	<10	5	55
NPX09-001	840574	315.5	317	1.5	65	352	10	<5	7	<10	159	2257	3	62	<10	5	56
NPX09-001	840575	317	318.5	1.5	70	305	12	<5	9	<10	163	2304	3	63	22	6	50
NPX09-001	840576	318.5	320	1.5	105	372	8	<5	7	<10	179	2966	3	94	<10	8	63

Hole No,	Assay No.	From	To	Width	Ni	P	Pb	Sb	Se	Sn	Sr	Ti	Tl	V	W	Y	Zn
				0	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
NPX09-001	840577	320	321.5	1.5	102.5	400	7	<5	7.5	<10	169	3025.5	8	90.5	<10	8.5	60
NPX09-001	840578	BLANK			8	<100	5	<5	10	<10	86	261	<1	13	<10	3	5
NPX09-001	840579	321.5	323	1.5	88	445	7	<5	4	<10	186	2762	<1	80	<10	8	68
NPX09-001	840580	323	324.5	1.5	92	376	10	<5	4	<10	198	2795	1	87	<10	9	63
NPX09-001	840581	324.5	326	1.5	66	430	17	<5	5	<10	185	2378	1	63	<10	6	90
NPX09-001	840582	326	327.5	1.5	65	424	12	<5	4	<10	160	2259	<1	60	<10	6	158
NPX09-001	840583	327.5	329.3	1.8	30	130	10	<5	6	<10	106	1310	<1	21	<10	4	78
NPX09-001	840584	329.3	331	1.7	68	150	42	<5	6	<10	105	1194	<1	27	<10	3	150
NPX09-001	840585	PG126			61	4155	16	6	7	<10	795	2528	<1	180	12	18	642
NPX09-001	840586	344	345.5	1.5	120	349	14	<5	7	<10	190	3105	2	106	<10	4	177
NPX09-001	840587	345.5	347	1.5	89.5	323.5	8.5	<5	6.5	<10	215.5	2360.5	9	78	<10	5	160.5
NPX09-001	840588	347	348.5	1.5	103	315	9	<5	6	<10	171	2359	2	80	<10	4	165
NPX09-001	840589	354.2	356	1.8	12	<100	3	<5	8	<10	80	259	3	12	<10	3	8
NPX09-001	840590	356.2	357.9	1.7	258	328	18	6	5	<10	184	3875	2	118	<10	12	245
NPX09-001	840591	BLANK			6	<100	5	<5	6	<10	94	216	4	13	<10	3	7
NPX09-001	840592	357.9	359	1.1	100	627	9	<5	5	<10	222	2395	<1	94	<10	7	110
NPX09-001	840593	359	360.5	1.5	133	483	11	<5	4	<10	205	3421	9	114	<10	6	114
NPX09-001	840594	NI117			2474	350	12	<5	5	<10	375	751	<1	39	<10	3	37
NPX09-001	840595	360.5	362	1.5	142	454	9	<5	5	<10	143	3416	3	116	<10	5	132
NPX09-001	840596	362	363.8	1.8	119	356	10	<5	5	<10	133	2994	<1	102	<10	5	126
NPX09-001	840597	PG126			73	4979	16	8	8	<10	940	2891	<1	209	12	24	752
NPX09-001	840598	363.8	365.2	1.4	100	471	5	<5	5	<10	131	2086	8	97	<10	5	109
NPX09-001	840599	368	369.5	1.5	209	291	8	<5	5	<10	76	1520	<1	60	<10	6	173
NPX09-001	840600	369.5	371	1.5	176	287	10	<5	3	<10	87	1790	<1	66	<10	5	172
NPX09-001	840601	371	372.5	1.5	93	254	11	<5	4	<10	113	1469	4	76	<10	3	135
NPX09-001	840602	374	375.5	1.5	130	415	11	<5	3	<10	142	2544	6	101	<10	7	197
NPX09-001	840603	375.5	376.8	1.3	214	330	9	<5	3	<10	100	1778	<1	68	<10	8	166
NPX09-001	840604	376.8	378.4	1.6	205	326	7	<5	5	<10	90	1178	1	67	<10	6	148
NPX09-001	840605	378.4	380	1.6	145	377	10	<5	4	<10	82	2112	2	80	<10	7	151
NPX09-001	840606	383	384.6	1.6	109	466	8	<5	4	<10	92	2557	4	88	<10	7	171
NPX09-001	840607	384.6	386.6	2	37.5	134.5	6	<5	4.5	<10	120	683.5	1.5	49.5	<10	4	45.5
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NPX09-001	840610	388	389	1	130	213	3	<5	5	<10	57	2943	3	109	<10	5	125
NPX09-001	840611	389	390	1	112	243	7	<5	4	<10	67	2577	2	81	<10	6	154
NPX09-001	840612	390	391.3	1.3	69	182	12	<5	5	<10	106	1761	<1	70	<10	5	85
NPX09-001	840613	PG126			60	4170	15	8	3	<10	758	2261	3	163	<10	20	629
NPX09-001	840614	391.3	392	0.7	110	461	13	<5	3	<10	151	2500	9	96	<10	4	168
NPX09-001	840615	BLANK			9	<100	2	<5	8	<10	76	257	<1	12	<10	3	8
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NPX09-001	840617	393.5	395	1.5	135	218	9	<5	5.5	<10	105	2165.5	2.5	104.5	<10	4	217.5
NPX09-001	840618	395	396.5	1.5	109	350	8	<5	6	<10	101	2483	<1	89	<10	5	140
NPX09-001	840619	396.5	398	1.5	117	154	11	<5	8	<10	105	3573	2	108	<10	5	117
NPX09-001	840620	398	399.5	1.5	122	165	10	<5	9	<10	99	3606	<1	96	<10	7	97
NPX09-001	840621	399.5	401	1.5	153	159	89	<5	5	<10	95	2533	5	70	<10	5	230
NPX09-001	840622	401	402.5	1.5	80	322	14	<5	6	<10	94	2292	<1	67	<10	4	190
NPX09-001	840623	402.5	403.5	1	70	143	16	<5	6	<10	94	3700	4	55	<10	4	106
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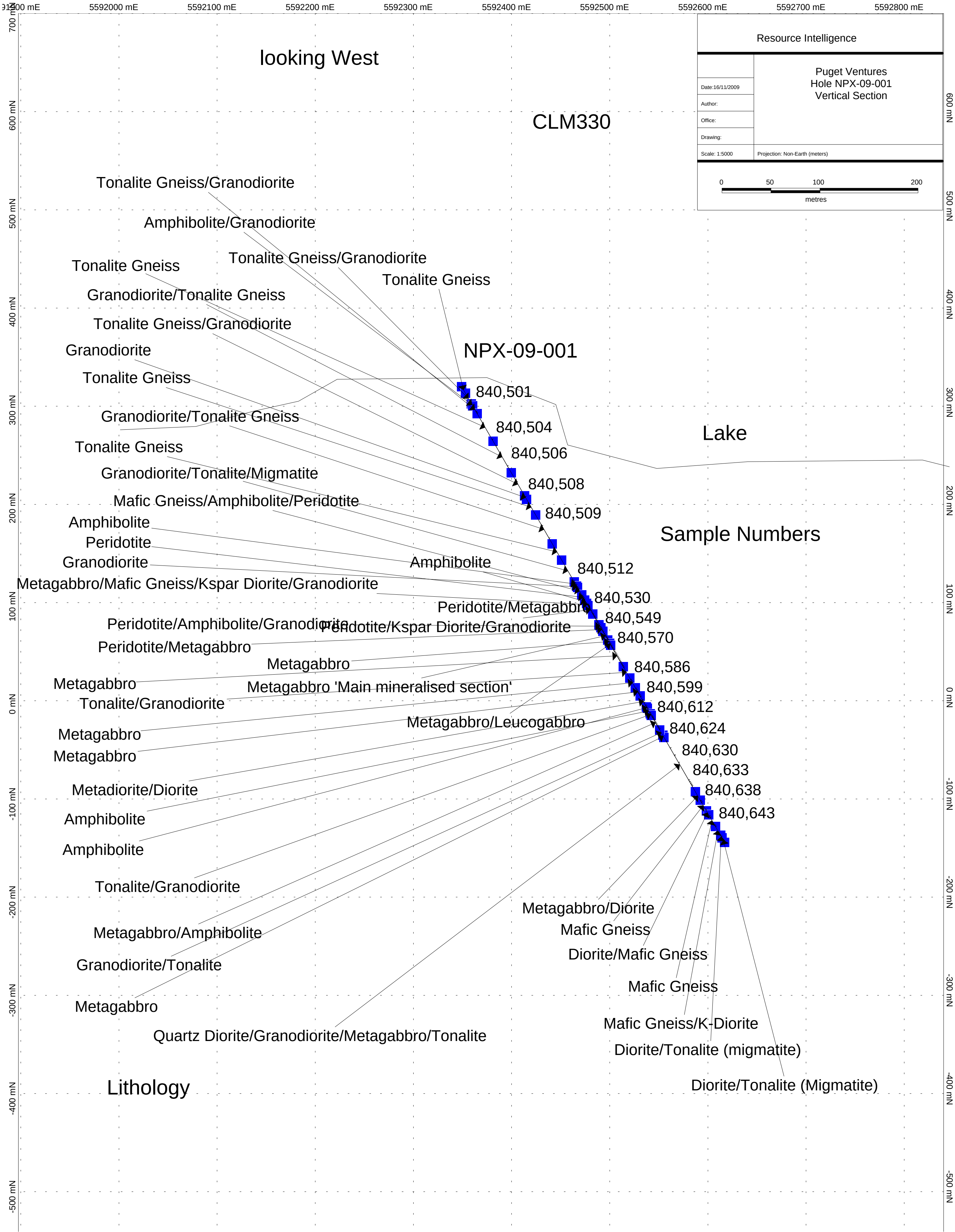
NPX09-001	840625	424.4	425.9	1.5	67	134	14	<5	7	<10	92	3522	3	53	<10	4	102
NPX09-001	840626	433	434.5	1.5	74	397	9	<5	6	<10	122	2279	2	71	<10	4	167
NPX09-001	840627	BLANK			12	<100	6	<5	>10.00	<10	96	263	5	13	<10	3	24
NPX09-001	840628	433	434.5	1.5	71	364	10	<5	4	<10	136	1950	1	63	<10	5	126
NPX09-001	840629	NI 117			2168	313	10	<5	3	<10	337	699	1	34	<10	3	37
NPX09-001	840630	441.6	443	1.4	230	350	14	5	4	<10	243	2547	3	86	<10	7	206
NPX09-001	840631	461.9	463.7	1.8	55	334	8	<5	2	<10	102	1892	2	55	<10	6	65
NPX09-001	840632	Standard			65	4420	15	<5	7	<10	851	2668	<1	191	12	21	677
NPX09-001	840633	463.7	466	2.3	60	328	10	<5	5	<10	138	2540	<1	61	<10	5	86
NPX09-001	840634	466	467.5	1.5	30	214	21	<5	6	<10	130	1467	4	31	<10	5	55
NPX09-001	840635	467.5	469	1.5	57	325	8	<5	6	<10	150	2205	3	56	<10	5	67
NPX09-001	840636	469	470.2	1.2	67	407	14	<5	6	<10	145	2501	<1	63	<10	6	77
NPX09-001	840637	486.3	488	1.7	27	273.5	19.5	<5	4	<10	131.5	1667.5	1.5	33.5	<10	6	40
NPX09-001	840638	488	489.7	1.7	83	399	11	<5	4	<10	140	2304	10	61	<10	6	64
NPX09-001	840639	497	498.5	1.5	79	291	11	<5	4	<10	179	2758	5	84	<10	6	71
NPX09-001	840640	BLANK			8	<100	4	<5	7	<10	83	256	<1	13	<10	3	6
NPX09-001	840641	504.5	506	1.5	115	450	3	<5	4	<10	266	3168	<1	106	<10	12	66
NPX09-001	840642	506	507.6	1.6	130	427	8	<5	3	<10	220	3195	2	102	<10	14	98
NPX09-001	840643	515.3	516.8	1.5	116	415	2	<5	8	<10	136	3025	4	98	<10	12	73
NPX09-001	840644	516.8	518	1.2	122	404	4	<5	8	<10	211	3220	4	99	<10	10	89
NPX09-001	840645	523.6	525	1.4	106	222	7	<5	7	<10	208	2728	<1	82	<10	4	67
NPX09-001	840646	NI 117			2347	336	12	<5	8	<10	353	788	<1	37	<10	3	39
NPX09-001	840647	528.5	530	1.5	65	503	6	<5	5	<10	138	2779	3.5	86.5	<10	5	78.5

Appendix B – Drill Plan and Section



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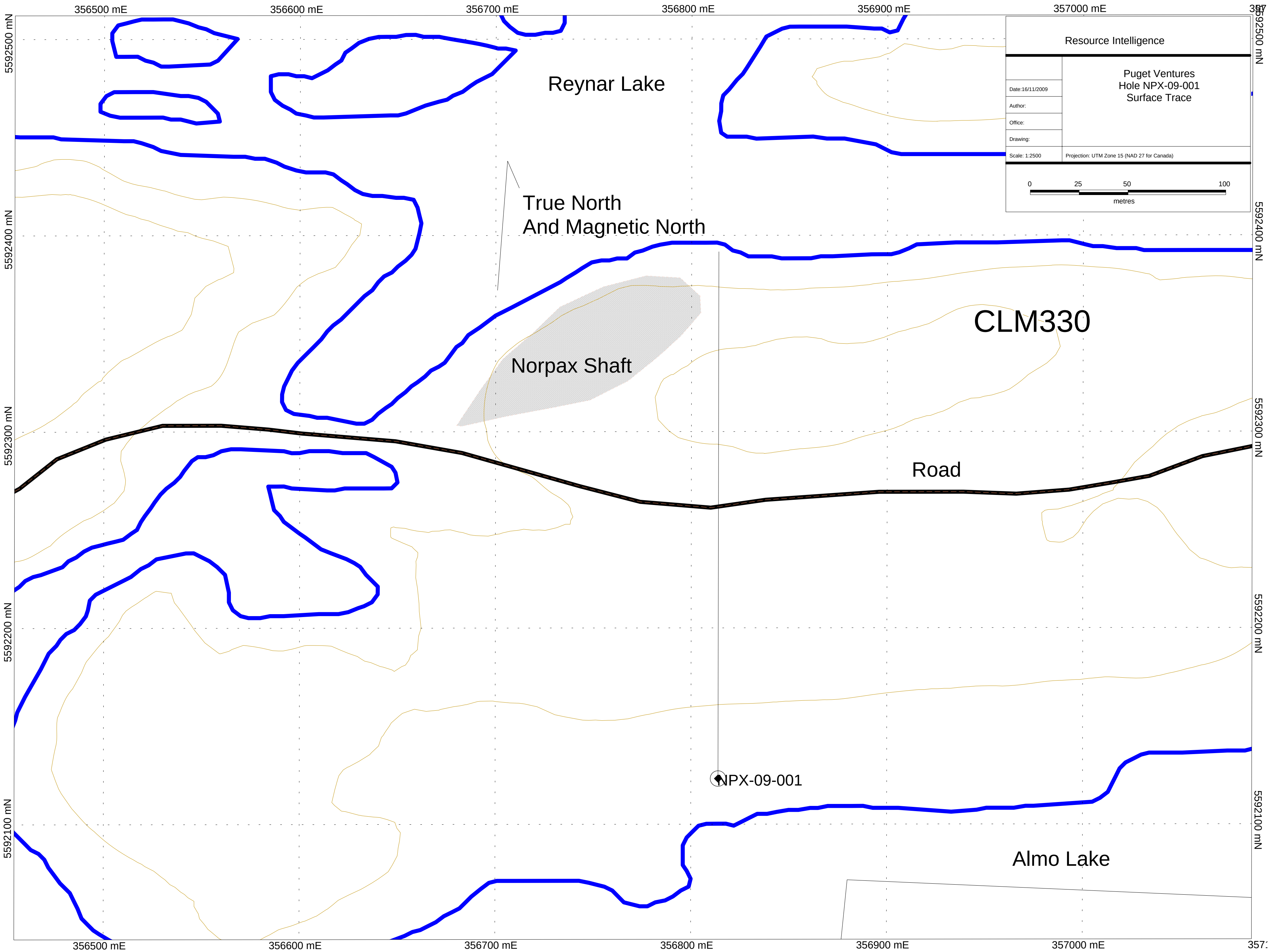
5592100 mE
5592200 mE
5592300 mE
5592400 mE
5592500 mE
5592600 mE
5592700 mE
5592800 mE
looking West
Resource Intelligence
Date:16/11/2009
Author:
Office:
Drawing:
Scale: 1:5000
Projection: Non-Earth (meters)
Puget Ventures
Hole NPX-09-001
Vertical Section
0
50
100
200
metres
CLM330
NPX-09-001
Lake
Sample Numbers
Lithology
840,501
840,504
840,506
840,508
840,509
840,512
840,530
840,549
840,570
840,586
840,599
840,612
840,624
840,630
840,633
840,638
840,643
Tonalite Gneiss/Granodiorite
Amphibolite/Granodiorite
Tonalite Gneiss/Granodiorite
Tonalite Gneiss
Tonalite Gneiss
Granodiorite/Tonalite Gneiss
Tonalite Gneiss/Granodiorite
Granodiorite
Tonalite Gneiss
Granodiorite/Tonalite Gneiss
Tonalite Gneiss
Granodiorite/Tonalite/Migmatite
Mafic Gneiss/Amphibolite/Peridotite
Amphibolite
Peridotite
Granodiorite
Amphibolite
Metagabbro/Mafic Gneiss/Kspar Diorite/Granodiorite
Peridotite/Metagabbro
Peridotite/Amphibolite/Granodiorite
Peridotite/Kspar Diorite/Granodiorite
Peridotite/Metagabbro
Metagabbro
Metagabbro
Metagabbro 'Main mineralised section'
Tonalite/Granodiorite
Metagabbro/Leucogabbro
Metagabbro
Metagabbro
Metadiorite/Diorite
Amphibolite
Amphibolite
Tonalite/Granodiorite
Metagabbro/Amphibolite
Granodiorite/Tonalite
Metagabbro
Quartz Diorite/Granodiorite/Metagabbro/Tonalite
Metagabbro/Diorite
Mafic Gneiss
Diorite/Mafic Gneiss
Mafic Gneiss
Mafic Gneiss/K-Diorite
Diorite/Tonalite (migmatite)
Diorite/Tonalite (Migmatite)
700 mN
600 mN
500 mN
400 mN
300 mN
200 mN
100 mN
0 mN
-100 mN
-200 mN
-300 mN
-400 mN
-500 mN

5592000 mE 5592100 mE 5592200 mE 5592300 mE 5592400 mE 5592500 mE 5592600 mE 5592700 mE 5592800 mE



356500 mE
356600 mE
356700 mE
356800 mE
356900 mE
357000 mE
5592500 mN
5592400 mN
5592300 mN
5592200 mN
5592100 mN
Resource Intelligence
Puget Ventures
Hole NPX-09-001
Surface Trace
Date:16/11/2009
Author:
Office:
Drawing:
Scale: 1:2500
Projection: UTM Zone 15 (NAD 27 for Canada)
0
25
50
100
metres
Reynar Lake
True North
And Magnetic North
CLM330
Norpax Shaft
Road
NPX-09-001
Almo Lake

Appendix C – Drill Log

		Project	Norpax - Puget Ventures			
NPX-09-001		Date Drilled	12.10.09 - 23.10.09			
		Date Logged	12.10.09 - 23.10.09			
		Geologist	T. Hughes			
				Samples		
From	To	Lithology	Description	Sample Number	From	To
0	1	Casing	Casing Pulled		m	m
0	7.8	Tonalite Gneiss	Plagioclase-quartz-biotite mineralised, medium grained, grey, with fabric at 0-20 to CA. 5-8% patchy, coarse, pink grey granodiorite/quartz diorite, with fine magnetite & rare py. Mafics are predominantly biotite after amphibole & rare pyroxene (opx). Mineralogically & texturally homogeneous, with granite/granodiorite typically as cm scale vein-type replacement. Moderately lineated NOT foliated, poorly gneissic. Lower contact abrupt, c. 45 to CA			
7.8	20.2	Tonalite Gneiss/Granodiorite	Essentially a 'mixture' of both, with pink-grey-pale brick red granodiorite, potassic in part, locally tonalitic to quartz dioritic, to near granitic, s.s. Patchy to vein-type, to near pervasive replacement by leucosomal felsic material of a tonalite gneiss. Latter is as preceding, with biotite after amphibole (hbl), in turn, in part after pyroxene, with rare relict opx & cpx noted. Gneissosity largely defined by biotite, at 0-20 to CA. Trace magnetite only & rare ?sphene Plagioclase is dominant in both main lithotypes, sub- to idioblastic, medium to coarse grained, recrystallised. Potassic feldspar replacement is variable, patchy. Trace py (late, with K-spar+/-quartz). Abrupt lower contact at 40 to CA, that may represent S2/D3			

20.2	22.4	Amphibolite/Granodiorite	Palaeosomal material, composed of amphibolite, with variable, weak to moderate biotite replacement. Medium grained, poorly lineated, plagioclase-amphibole-biotite mineralised, with sparse intersitial quartz, trace magnetite & rare fine late pyrite, cut by blastising, medium to coarse grained pink-grey granodiorite. Rare sub-idioblastic px (recrystallised), noted, plus rare sub-idioblastic late diopside. Chlorite replacement is late, thread-like, & may be spatially associated with pyrite-quartz-(carbonate)-epidote-feldspar & fine blastising garnet (almandine-spessartine). Blastising diopside appears to be a very late feature, contemporaneous with garnet. Irregular lower contact, abrupt, at 0-80 to CA, due to granitoid incursion.	840501	20.1	21.85
22.4	31.7	Tonalite Gneiss/Granodiorite	As 7.8-20.2, with some 60% medium grained, grey, 'lineated' to incipiently gneissic, to massive/homogeneous biotitised amphibole-plagioclase tonalite, partly replaced by vein type to pervasive tonalite/granodiorite. Biotite replacement is pervasive to patchy or banded. Leucosome has erratic K-spar associated with blastising plagioclase-quartz, & overprinting of the palaeosome by weak fine chlorite, trace magnetite. Plagioclase may become near pegmatitic, to 2 cm width. Lower contact abrupt, 22 to CA	840502 840503	28.8 30.5	30.5 32
31.7	64.4	Tonalite Gneiss	Medium, locally coarse grained, grey, with 0-30 to CA fabric defined by dm scale palaeosomal, biotitised/amphibolitised mafic-ultramafic (partially altered to orthogneiss, s.s.) material. Locally, contains quite weak to pervasive pale pink grey granitoid that also recrystallises the palaeosome. Stronger alteration by the granitoid produces very localised coarser, more idioblastic plagioclase-quartz-biotite-epidote, e.g. 43.8. Very fine garnet noted. Overall, amphibole is sub-idioblastic, tabular, medium grained, probably hornblende. Rare opx noted as recrystallised, sub-idioblastic grains. Transitional with:	840504	61.8	62.75

64.4	101.3	Granodiorite/Tonalite Gneiss	Section contains one lithotype, at 61.8-62.7, of biotitised, altered amphibolite, with sharp, 30 to CA contacts. Otherwise, grey, gneissic, medium grained, mafic gneiss/orthogneiss, also biotitised, with trace magnetite, & hosting anastomosing to near pervasive pink to dirty brick red, to grey, K-spar-plagioclase-quartz-biotite granodiorite that itself, contains fine late thread epidote+/-py+/-quartz & rare carbonate & fluorite, typically at very low CA angle. Alteration sequence is as follows: 1. Plagioclase -(microcline)-quartz, with biotite, that is semi-pervasive 2. K-spar-quartz-biotite (pervasive) 3. Localised, vein-type (0-20 to CA))finely brecciating veinlets that are epidote-rich, to produce a K-spar-quartz-epidote-magnetite mineralogy below 69 m. Trace py only. Trace magnetite throughout Overall fabric is at av. 32 to CA, locally, 10-0 to CA, defined by biotite after amphibole The fine epidote-fluorite veining is localised from 69.6-70 m, 92.7-93.4 & 101-101.3, typically at very low CA angle Overall, section contains 30% pink grey, medium grained granodiorite/tonalite, 30% gneissic tonalite, s.s., with only minor, cm scale, patchy to vein type granodiorite replacement, & 40% pervasively altered gneissic tonalite 88.6-89.2 3 x cm scale mafic gneiss/altered amphibolite with sharp irregular contacts	840506	92.3	94.5
101.3	128.4	Tonalite Gneiss/Granodiorite	Grey, medium grained, trace magnetite, lineated to incipiently gneissic only, with biotite dominant. Fine opx noted (sub-idioblastic), but quite sparse. Contains 15% dm scale, patchy, irregular, vein type dirty brick red to pink K-spar rich granodiorite-quartz-plagioclase. Less than 5% dm wide relict amphibolite bands (palaeosome), from 110.1-110.6. Overall, crudely, relatively finely gneissic, medium grained, but coarsening to a granodiorite, s.s. that is plagioclase-quartz (leucosome) rich, with incipient K-spar overprint. Minor dm scale, open folding seen, with steep CA angle, wavelength sub-metre, reflecting a sub-vertical D1-D2 interference pattern within sub-vertical planar host Gradational contacts	84-507	111.5	113
128.4	132.7	Granodiorite	Strong, vein type to pervasive, pale, dirty pink to near brick red, weakly haematitic fracture infilled granodiorite replacing mafic gneiss/tonalite (hornblende-biotite-plagioclase-quartz). Overall, medium-coarse grained, with mm scale biotite-amphibole defining a poor gneissic fabric of 30-15 to CA. Trace py only	840508	129.3	130.1

132.7	151	Tonalite Gneiss	Arguably, a mesosome; grey lineated with moderate to strong biotite alteration. Plagioclase-hornblende-biotite-quartz mineralised, not strictly gneissic. Patchy, weak, cm scale, locally vein-type dirty haematitic veined K-spar-epidote-biotite-Ab-plagioclase-mica (sericitic?) mineralised. Gradational contacts			
151	185	Granodiorite/Tonalite Gneiss	Moderate locally strong replacement by granodiorite/quartz diorite of the tonalite, typically on a dm scale or near pervasive, typically coming in along very low CA angles as 0-10 to CA fracture infil. Host fabric is typically greater than 30 to CA. 151.3-153 Weak Fracture zone with 0-10 to CA fracture planes, cut by 20-30 to CA sets 174.2-176 Fault zone with gouge, chlorite, & epidote. Some ground core/mud, within a granodiorite/quartz diorite. Epidote often at 0-56 to CA (conjugate set)	840509 840510	163.11 177.5	164.5 179.1
185	204	Tonalite Gneiss	Grey, medium to coarse grained, plagioclase-hornblende-biotite-quartz mineralised, with 5% cm scale, 45 to 0 to CA, vein type pink to reddish granodiorite replacement & fine haematite threads. Main fabric at 40-35 to CA, av. 25, & quite variable, suggesting localised small scale, third order folding. Typically with fine thread or veinlet biotite that may intensify to form banding, s.s., with weak K-spar alteration throughout. Essentially fairly homogeneous wrt fabric & mineralogy within the tonalite Patchy quartz-plagioclase leucosome replacement noted. No true amphibole bands seen after 125 metres, due in large part to intensity of biotite retrograde metamorphism, though there are sparse blastophyric amphiboles & very rare opx in some sections.			
204	229.6	Granodiorite/Tonalite/Migmatite	Reddish to brick red, with some 60% metre scale, patchy, vein-type coarse grained granodiorite (near pegmatitic), with plagioclase-K-spar-quartz-biotite hornblende mineralogy, replacing variably gneissic tonalite. Locally, small scale isoclinal to close folding. Small scale open folding also present, with steep (70 to CA) axial traces. probably a D3 event. Fabric ('schistosity'), at av. 32to CA, though variable. Locally, strong to intense, medium to coarse grained idioblastic K-spar-quartz>>plagioclase mineralisation, notably, from 210-216 & 227-229.6. Matrix herein, is silicic, with low intensity brecciation & sealing. Biotite becomes idioblastic, within recrystallised feldspars (pseudo-poikiloblastic) Overall, variably magnetic, but increasing in intensity with depth. The vein-type replacement generally comes in along very low CA angles, parallel or sub-parallel to, the schistosity.	840512	228.4	229.6

229.6	234.5	Amphibolite	Probably palaeosomal material, 'amphibolitic' or loosely, metavolcanic rock. Medium locally near fine-grained, weakly lineated, to recystallised, near sub-idioblastic, with biotitised amphibole and plagioclase. Biotite as fine laths defining fabric, (hence 'schistose') Matrix contains sparse quite fine, recystallised 'relict' opx. Less than 0.25 fabric parallel late py as grains or veinlets. 232.4-233.05 Medium, near coarse grained reddish granodiorite with abrupt contacts, locally brecciating the host (due to late silica ingress). Overall, very weak (late) haematite. Very weakly magnetic. Amphibolite has fine sharp internal contacts, may also be finer grained. Some epidote stringers noted within the granodiorite, cross-cutting all. Upper contact abrupt, fine, 22 to CA, lower is blocky but abrupt & irregular	840513 840514 840515	229.6 232.3 233	232.2 233 234.5
234.5	236.3	Granodiorite	Coarse grained, brick red granodiorite, with relict amphibolite material. Magnetic, with patchy to vein palaeosome that is variably chloritised & magnetic. Sub-idioblastic feldspars with weak haematite replacing plagioclase. Trace fine py only, possibly very fine Cp, asp. Fine amphibole-chlorite-magnetite stringers at 0-12 & 20+ to CA (conjugate) Irregular but abrupt lower contact at c. 25 to CA	840517	234.5	236.4
236.3	244.8	Mafic Gneiss/Amphibolite/ Peridotite	This section would correspond to the plagioclase-rich 'leuco granodiorite' or leucocratic gneiss mapped by others Plagioclase-biotite-quartz-hornblende gneiss. Grey, medium grained, locally coarser, with vein-type becoming more 'patchy' leucosomal material partly replacing, partly intruding palaeosomal amphibolite, the latter as mm bands or dm scale patches/lenses. A highly irregular schistosity/gneissosity with small scale 'eye' folds or dm scale third or fourth order open folds with high CA axial orientation, indicating Type 1+2 or 1+3 interference pattern folding, preserved within bounding planar fabric lithologies. Texturally, granoblastic to lepidoblastic, locally schistose, with elongate-polygonal grains & fabric defining elongate-tabular biotite-amphibolite & possibly opx & relict olivine. Some 0.2% late elongate, semi-prismatic pyrite, especially within the palaeosome. Very fine ?po & pentlandite may be present. Relict now recrystallised fine to medium, near coarse grained green grey to pale grey cpx as schlieren. Locally, pale brown opx noted as rotated, blastophyric or sub-idioblastic grains within an amphibolitic rich matrix. Thus section could be a metagabbro or altered peridotite. Very fine thread serpentine/antigorite noted in some sections, typically parallel to the main fabric or at 50-80 to CA.	840518 840519	236.4 237.6	237.6 239.2

244.8	251	Peridotite	A continuation of the preceding unit, with significantly less leucosome. Appears more homogeneous, though with very similar mineralogy & is finely schistose. Medium grained, plagioclase-amphibole-cpx-opx-olivine mineralised, with patchy lineate amphibole overprint. Pyroxenes are quite fine, blastophyric. Olivines are finer, typically serpentine/antigorite altered & typically, the only (macro) indication of olivine may be thread serpentine. Overall, 5% patchy, veining type, coarse grained, near pegmatiic K-spar-quartz-plagioclase-biotite-(chlorite-sericite) <0.2% visible sulphides, as late replacement, fabric parallel grains. Possibly grey-bronze pentlandite noted & pale grey pyrrhotite.	840522 840523 840568	246.6 248 249.6	248 249.6 251
251	255	Amphibolite	Possibly a highly altered continuation of the preceding: Blocky, with strong 'surface' haematisation & clay. RQD low to nil. Recovery is some 75%. Quite soft, grey-green, medium grained, metamorphosed amphibolite, with relict olivine & pyroxene, now largely replaced by amphibole, chlorite & biotite. Generally, quite homogeneous due to pervasive alteration. Haematite as stringers/fracture infil/ anastomosing veinlets. Unit comprises some 5% 0-20 to Ca, cm scale, coarse grained granodiorite/K-spar-qz granite			
255	257.5	Metagabbro/Mafic Gneiss/Kspar Diorite/Granodiorite	Altered amphibolite or continuation of preceding, typically mapped/recorded as 'mafic gneiss' by various. Comprises 75-80% patchy to vein-type K-spar-plagioclase-quartz 'leucosome', largely replacing the 'palaeosomal' amphibolite. Main fabric 0-40, av 32 to CA. Weak haematite fracture infil & chloritised amphibolite 'veinlets' or as blastophyric matrix infil. Blocky, RQD nil. Trace visible sulphides & magnetite. Typically tight to open folded on a dm scale (see previous fold comments).	840524 840525	255.3 256.5	256.5 257.4

257.5	267.4	Peridotite/Kspar Diorite/Granodiorite	Similar to 244.8-251: Comprises some 85-90% amphibolitised ?-peridotite overprinted by pink-grey-brick red granodiorite/Kspar Diorite Schistose, grey-green, medium grained, trace magnetic, plagioclase-amphibole mineralised, with fine relict px & olivine. Not uncommonly, finely amphibole banded. Fabric at 15-25 to CA, locally 0. Weak serpentine noted. Relatively soft. A fine 60+ to CA schistosity developed (S2), likely related to D3 Sulphide content low, <0.2%. Remainder of section is composed of patchy, blastising K-spar-quartz-biotite leucosome replacement (vein-type), with weak, associated serpentine-biotite-chlorite alteration of the host. Cpx (diopside) is seen in & near the 'granitic' material. Some fine grained schlieren of finer peridotite noted, with finer milled, partly recrystallised ultramafics preserved, e.g. 264.5	840526 840528 840529 840530 840531 840532	257.4 259.2 261 262.7 264.3 266.8	259.2 261 262.7 264.3 266.8 267.3
267.4	279.9	Peridotite/Metagabbro	Similar to preceding, though appears more strongly recrystallised, slightly coarser, in part, resembling a meta-(melano)gabbro. Compositionally, 90% recrystallised 'amphibolite', with amphibole after pyroxene, plagioclase, altered olivine. Lineate to weakly 'schistose', not gneissic, at 0-30 to CA. Variable magnetite content, but still quite low, as fine grains, clots of very fine bands. 1-2% antigorite veinlets at 0-20 to CA & also parallel to main fabric, plus 70 to CA (conjugate sets). Contains 5-8% patchy granitoid replacement, with coarse, almost pegmatitic habit, weak late fine haematite & weak pale grey-green thread to veinlet grunerite/cummingtonite. Overall, <0.2% recrystallised sub-idioblastic pyrite>>po. Locally, sulphides as fine ragged clots or grains parallel to fabric (sulphidation?), especially below 276.5m, with peridotite schlieren. Sparse pentlandite may be present, but difficult to discern due to colour & grain size/habit. There are several fine 'clots' of py-po or py-pentlandite, suggesting stability between the two. Magnetic. Lower contact abrupt, with granitoid, upper is gradational, with low RQD & low CA angle	840533 840535 840536 840537 840538 840539 840541 840542	267.3 269 270.5 272 273.4 275 276.4 278.2	269 270.5 272 273.5 275 276.4 278.2 279.9
279.9	283.6	Peridotite/Amphibolite/Granodiorite	Continuation of preceding with dm to sub-metre granitoid replacement. Amphibolitised as preceding, with variable blast size as a result, & can appear grossly gabbroic or finer, more massive, though still 'schistose', & more ultramafic, 'peridotitic'. As above, section contains wispy to poorly defined, vein-type plagioclase-quartz-biotite vein-type to incipiently gneissic banded material, highlighting a local gneissic lithotype. Variable amphibole-chlorite-(serpentine) throughout. At depth, increasing plagioclase content, more banded, related either to original mineralogy, or due to leucosomal incursion	840543 840544 840545	279.7 281.4 283	281.4 283 283.6

283.6	287.8	Peridotite/Metagabbro	Darker, more chlorite-serpentinitic, homogeneous than preceding, schistose, medium-fine grained, trace magnetic, with weak granitoid replacement. Matrix is serpentinitic, with unit containing locally abundant, but generally weak wispy fabric parallel serpentine-carbonate. Plagioclase is blastophyric. Minor metagabbro rounded fragments noted. Schistosity (& fine thread/banding) at 50-20 to CA. Weak fine to recrystallised scattered, magnetite, though rarely, is also very finely banded. On a fine scale, matrix is elongate sub-idioblastic, with growth into plane of main fabric, with schist-defining amphibole-biotite. Lower contact relatively abrupt, defined by leucosomal granitoid material	840546 840548 840549	283.6 285 286.2	285 286.2 287.7
287.8	298.1	Metagabbro	A strongly recrystallised, gabbro, s.s, with altered ?-amphibolite, plagioclase-(Na/Kspar)-quartz pegmatite, leucogabbro. Main mineralised zone. Highly variable texture, fabric & composition throughout. Contains a) Medium grained lepidoblastic to near schistose plagioclase-hornblende-relict pyroxene & ?-olivine gabbro, with weak thread calcite-antigorite & patchy to gneissic, leucosomal grey to pinkish grey granitoid replacement; b) Strongly to intensely amphibolitised (bladed, idioblastic to tabular, idioblastic), with a dark bronze-black sheen on fresh surfaces & hosting fine matrix serpentine-feldspar-amphibole after pyroxene. c) Cm to sub-metre, fabric parallel, vein or banded leucosomal plagioclase-quartz-hornblende-biotite. This may represent leucosome or a leucogabbro, s.s. Coarser (mafic to ultramafic) sections may carry 1 to 3% pyrrhotite-pyrite & trace bronze pentlandite & are associated withb) lithotype & where coarser, idioblastic within or adjacent to, c) lithotype - pegmatitic to coarse grained pale green-grey to pale cream-pink (high An?) feldspathic granitoid hosting thread calcite, pyrite & pyrite-chalcopyrite. d) Rare medium grained, finely banded sub-idiobastic amphibole-diopside-palgioclase-garnet-quartz-biotite (calc-silicate) as cm-dm beds. The host between coarser granitoid sections appears more gneissic due to leucosomal influx along the main S-plane. Overall, S2 is variable, 45-50 to 10 to CA, with low CA open folding (high CA axial traces), representing D3. Metagabbro, s.s., is prominent from 295.7-298, with a distinct plagioclase rich matrix, that fines with depth, & texturally, may be coarse, near idioblastic, porphyroblastic, with	840550 840551 840552 840553 840554 840555 840556 840558	287.7 289.5 291.4 292.8 293.7 295.2 296.3 297	289.5 291.4 292.8 293.7 295.2 296.3 297 298.1

298.1	301.7	Metagabbro	Upper metre tonalitic. Medium, to coarse grained, grey, greenish grey to pale pink grey. Crudely gneissic in more mafic sections. "Ampibolitised, trace magnetite, with <1% macro sulphides, that are recrystallised, growing out of matrix. Pyrite-pentlandite mineralised, with weak pyrrhotite. Variably biotitised, with amphiboles dark grey to black, with bronze sheen on fresh surfaces, typically bladed-tabular, after idioblastic hornblende & px. Matrix is plagioclase-amphibole-pyroxene with weak sparse olivine, possibly originally a 2 pyroxene gabbro. Section contains vein type coarse, semi-pervasive idioblastic plagioclase-quartz-amphibole rich 'leucosome' that may retain an early gneissic or schistose fabric. Coarser sections of this become 2 feldspar dioritic, near pegmatitic." As preceding, several examples of cm scale rotation of fragmental, poikoloblastic hornblende or gabbro, s.s. ("'ball textures") As preceding also, coarser, near pegmatitic leucogabbro or plgioclase-hornblende-biotite-(quartz) shows very fine non-sutured contacts with host, plus equilibration with sulphides. Plagioclase becomes bluish with loss or at least recrystallisation of, once idioblastic, polygonal blasts to form irregular aggregates partly replacing host.	840559 840560	298.1 298.7	298.7 301.5
301.7	304	Metagabbro/Leucogabbro	Likely a continuation of preceding. Predominantly gneissic metagabbro, with blastising plagioclase rich ?-replacement of an amphibole-(px) gabbro or coarser, possibly leucogabbroic, resembling a coarse grained diorite/quartz diorite with late vein type silica. Very weak pink K-spar only, with this, & sections immediately above & below, representing a major chemical transition, with loss of pink-red K-feldspar. The section could be a strongly recrystallised, layered leucogabbro & gabbro, though individual layers are sub-metre in width. Section becomes more leucocratic with depth, slightly finer. Recrystallised plagioclase appears to coalesce & become less calcic, with bet example in pegmatitic or leucogabbroic sections, where 'high' An plagioclase blats may recrystallise to form porphyroblastic, idioblastic 'low' An plagioclase (rarely, near rhombic or at least polygonal), enclosing the former. This is also seen in previous two sections. Overall, less than 1% recrystallised sulphides that includes pyrite-?pentlandite. Some recrystallised clots are noted in this section & the preceding. Sub-cm wide rounded fragments(?- clasts) of gabbro are present within this unit & the preceding, & textural	840561 840562	301.5 302.2	302.2 304

304	329.3	Metagabbro	Grey to pale pink-grey to brick red. medium, locally almost fine grained, lepidoblastic to lineated, to crudely, finely laminar due to variable hbl/biotite alteration. Fabric oriented an average, 32 to CA. Weak mt & pyrite only, recrystallised. Section contains 18-20% cm scale, vein to near metre scale idioblastic tonalite & pegmatite. Separation of metagabbro from tonalite can be difficult to determine due to mineralogical & textural similarities, the degree of amphibolitisation, & the effects of the granitoid overprint.	840564	304	305
				840565	305	306.5
				840566	306.5	308
				840567	308	309.5
				840570	309.5	311
				840571	311	312.5
				840572	312.5	314
				840573	314	315.5
				840574	315.5	317
				840575	317	318.5
				840576	318.5	320
				840577	320	321.5
				840579	321.5	323
				840580	323	324.5
				840581	324.5	326
				840582	326	327.5
				840583	327.5	329.3
329.3	342.6	Tonalite/Granodiorite	Similar to preceding: Predominantly mesosomal metagabbro to metadiorite due to weak, variable qz influx. Essentially, a hornblende-plagioclase-biotite-quartz lithotype, with variable granitoid overprint. Pale grey to pale brick red grey K-spar-plagioclase-quartz as cm to m scale leucosome. Typically fabric ('schistosity'), at 0-35 to Ca, with a fine incipient S3 at >50 to CA (rare). Small scale fold interference patterns are also preserved (bulls eys on a dm scale, high core angel axial trace) The mesosome is as preceding, relatively fine grained, with decussate to sub-lineate to finely mm banded hornblende to biotite & fine blastophyric px.. Biotite overgrows hornblende as elongate laths defining fine gneissic' bands which are better defined in more leucosomal sections Erratic pale pink garnet in both lithotypes, but uncommon. Blastises, partly enclosing hornblende Some sections are chloritic, at low CA angle, as ?fracture infil or replacement, s.s of biotite. E.g. 318.4-324.6 Weak haematite fracture infil with very rare pyrite in some coarse grained leucosome. Transitional with:	840584	329.3	331

342.6	354.2	Metagabbro	Medium grained, grey, lepidoblastic to 'decussate', to finely lineated, occasionally gneissic, s.s. with latter due to leucosome influx & partial replacement. Tonalite comprises some 15% of section, is grey, coarse grained, with relatively high An for the plagioclase. Biotite within partly replaces hornblende & is interstitial, with trace magnetite coming out. Locally, quite late ?cummingtonite as fine bounding veins around the leucosome. The metagabbro is weakly magnetic, greenish grey, with patchy rare generally weak leucosome. Texturally, it is lepidoblastic, with a fine intergrowth of sub-idioblastic plagioclase & recrystallised hornblende defining a fine fabric. No visible sulphides. Lower contact is gradational, marked by the appearance of coarse grained almandine/spessartine	840586 840587 840588	344 345.5 347	345.5 347 348.5
354.2	363.8	Metagabbro	Similar to preceding, with patchy rare ?-fragments of leucosome. Mm, scale, fine gneissic layering from biotitisation. Garnets are blastising almandine/spessartine, crystallising with hornblende. Section contains some 25% dm to m scale, coarse grained mesosomal (An)-plagioclase-hornblende-biotite+/-quartz+/-trace asp-pyrite & coarse grained, blastising garnet. Garnets do rotate hornblende & may also form an intergrowth with quartz. Fabric may be well developed, with S3 appearing throughout. Locally, weak chlorite-biotite threads, & sparse sub-idioblastic ?cordierite in garnetiferous rich sections.	840589 840590 840592 840593 840595 840596	354.2 356.2 357.9 359 360.5 362	356 357.9 359 360.5 362 363.8
363.8	376.8	Metadiorite/Diorite	Relatively fine grained, grey to greenish grey, lineated/'schistose', to finely banded, locally with blastising plagioclase & hornblende after pyroxene. Weak, medium to coarse grained garnet & locally, dm to sub-metre scale 'bleaching' plagioclase-mica altered peridotite or melagabbro, s.s., with late quartz, this as very low core angle vein type replacement at 0-20. Fine, weak epidote veinlets oblique to fabric at 0-20 to CA, plus incipient mica blastisation overprinting all save epidote. Rare asp noted in some leucosomal sections, otherwise, trace pyrite. Matrix is still very similar to previous, but generally finer, plagioclase-quartz rich, with ?cordierite in some epidote-silica-plagioclase rich veinlets.	840598 840599 840600 840601 840602 840603	363.8 368 369.5 371 374 375.5	365.2 369.5 371 372.5 375.5 376.8
376.8	378.4	Amphibolite	Two dm scale bands of brecciating, replacing epidote-quartz-calcite-plagioclase (Ab end), trace serpentine stringers within a metagabbro that may represent a highly altered amphibolite. The matrix appears partly milled, incipiently brecciated, with strong to intense replacement of the host. Fabric at 40-44 to CA, & indicative of a general steeper fabric below 340 metres.	840604	376.8	378.4

378.4	384.6	Amphibolite	Medium grained, lineated to 'decussate'/lepidoblastic, incipiently, finely gneissic, s.s., with erratic, variably pervasive biotitisation. Main fabric at 60-40 to CA. Weak garnet at depth, no visible sulphides, trace magnetic. Matrix is plagioclase-amphibole rich, strongly recrystallised & could also represent a gabbro, s.s., though mafic mineral content higher than preceding unit (363-376) Patchy to dm scale biotite-plagioclase-epidote-amphibole overprinting the mesosome, which is slightly finer, & more melanocratic, with rare visible fine pyroxene.	840605 840606	378.4 383	380 384.6
384.6	386.6	Tonalite/Granodiorite	Intense quartz leucogranite/pegmatite veining with weak interstitial biotite-plagioclase-quartz-garnet & weak ?-sericite. 0-20 to CA, irregular, sharp contacts	840607	384.6	386.6
386.6	403.7	Metagabbro/Amphibolite	Similar to 378.4-384.6. Weak, to intense, patchy vein-type leucosomal leucogranite/tonalite, that is saccharoidal to near pegmatitic, greenish grey with rare k-spar overprint. Erratic patchy, vein-type to wispy epidote-quartz-feldspar. Garnet is initially, quite weak, increasing in blast size & intensity with depth, accompanied by cordierite, within a biotite rich matrix. The metagabbro matrix is predominantly biotitic after amphibole, with rounded essential fragments similarly altered, relatively low in plagioclase content. Overall, lepidoblastic, poorly gneissic with fabric at av. 30-32 to CA. Medium grained, with weak patchy leucogranite hosting rare fine sulphides.	840609 840610 840611 840612 840613 840614 840616 840617 840618 840619 840620 840621 840622	386.6 388 389 390 391.3 392 393.5 395 396.5 398 399.5 401 402.5	388 389 390 391.3 392 393.5 395 396.5 398 399.5 401 402.5 403.5
403.7	410	Granodiorite/Tonalite	In part dioritic. Grey to reddish grey, coarse to medium grained, with sub-lineate biotite after hornblende & weak, incipient matrix chlorite & rare fine pyrite. Fabric defined by biotite-chlorite at <35 to CA. Upper contact gneissic, irregular, 40-10 to CA over 0.25 m. 393.5-394.2 Quartz-epidote-garnet mineralised, patchy, with incipient mica overprint (sericite?), & trace ?asp. <2% patchy quite late quartz. S2 (D3?) finely developed at c. 48 to CA, defined by biotite/sericite after amphibole. Abrupt lower contact.			

410	412.5	Metagabbro	Medium grained, grey to green grey, gabbroic, amphibolitic in upper 0.45 m, becoming more biotitised, with S2 at >60 to CA. Unit becomes pervasively, strongly to intensely replaced by leucogranite or dioritic, with relict gneissic mafic volcanic. Texturally banded or with patchy hornblende-biotite blastisation. Weak, fine chlorite developed after biotite & very weak, later thread haematite. Lower contact abrupt, irregular, 25-30 to CA. Trace sulphides only			
412.5	476.6	Quartz Diorite/Granodiorite/ Metagabbro/Tonalite	Heterogeneous unit, characterised by three major lithotypes: 1. 35-40% dirty brick red to reddish grey, K-spar-plagioclase-quartz-biotite-(hornblende)-magnetite-(py), patchy replacement or crudely gneissic diorite. 2. 25-30% vein-type medium grained biotite rich, weakly porphyroblastic plagioclase-haematite ?-leucosome. Some K-spar can be mm-cm banded, rather than patchy, replacing the early gneissic metagabbro & diorite/tonalite. 3. c. 40% grey-green, medium, locally relatively finer grained, lepidoblastic to lineate to incipiently gneissic metagabbro, comprising hornblende-biotite-plagioclase-quartz, with gneissosity typically at <30 to CA. Within the 'metagabbro', there are a few well defined but fine internal contacts within the metagabbro which resembles a finely schistose mafic volcanic that could represent interflow sediments, dykelets or portions of a differentiated large volcanic pile. The section also contains 5-10% cm scale, coarse grained, wavy to ptygmatic gneissic leucogranite, highlighting small scale open interference fold patterns. Contacts between the major lithotypes are relatively abrupt, with clear injection/apophyses structures. Overall, trace pyrite only in all lithologies. Very weak late chlorite-calcite-sericite only as threads. Weak, localised patchy quartz blastising from matrix in more leucosomal sections, e.g. 460-463, 467-470. Incipient	840624 840625 840626 840628 840630 840631 840633 840634 840635 840636	416.8 424.4 431.5 433 441.6 461.9 463.7 466 467.5 469	417.9 425.9 433 434.5 443 463.7 466 467.5 469 470.2
476.6	486.3	Metagabbro/Diorite	Some 85% coarse grained biotitised mafic volcanic with variable gneissic fabric development & hosting dm to 0.5 m scale small scale open to close folded ('domal'), amphibolitic metagabbro, s.s. with trace fine sulphides. Likely palaeosome, & could be gabbro, s.s. or mafic volcanic s.l. <1% late quartz-calcite-Kspar veinlets. & fine calcite-serpentine threads, with latter at high CA orientation.			

486.3	498.8	Mafic Gneiss	Grey to greenish grey, finely lineated to crudely mm scale banded, medium grained. Amphibolitised, with fine blastophyric pyroxene, typically with a sub-idioblastic sub-aligned intergrowth of amphibole-plagioclase, & fine 'milled' 'ocelli' of similar material suggesting simple rotation during regional deformation. A depositional, fragmentation origin is ruled out due to intensity of deformation & metamorphism. Matrix is very weakly serpentinised, with trace magnetite, ?-sphene & sulphides. <1% thread, blastising calcite-chlorite-sericite coming in along the local main fabric at 30 plus 60-70 to CA. Some cm-dm scale sections are bleached by sub-idioblastic to near idioblastic medium grained plagioclase-amphibole-chlorite, possibly remobilised tonalite or migmatiic pervasive mafic volcanic material. Folded, as previous, though no sense of structural facing. Unit contains some 15% cm-dm scale pink to cream-grey medium to coarse grained diorite with biotite/amphibolite mainly as stringers or interstitial blasts. Below 493, coarser, more strongly biotitised, weakly epidotic & crudely layered from higher strain imposition, & higher percentage of mm- 1 cm wide quartz diorite veinlets. Epidote is fabric parallel plus at 55 to CA, with latter cut by the gneissic fabric. Trace sulphides & magnetite only. Arbitrary lower contact, marked by weak diorite overprint	840637 840638 840639	486.3 488 497	488 489.7 498.5
498.8	503.4	Diorite/Mafic Gneiss	Pink grey to pale brick red-grey, crudely lineated to biotite-amphibole banded quartz diorite/diorite that is K-feldspathic. Main fabric at 50 to CA, in part modified by veinlet to banded biotite. Weak blastising quartz infil at depth. Overall, trace sulphides. Abrupt contacts at 32 & 34 to CA			
503.4	517.2	Mafic Gneiss	Similar to preceding Mafic Gneiss lowermost section: Grey-green to grey, medium grained, lineated to 'schistose', to simply lepidoblastic, rarely gneissic, s.s. with fabric highlighted by variable biotitisation. Relict amphiboles noted, replaced by a finer plagioclase-hornblende-biotite matrix with race opaques. Some alteration due to granitoid apophyses. 511.9-514.4 'Massive' quartz syenite. Medium-coarse grained, with chloritic stringers and patchy amphibole-sericite-opaque palaeosomal ?amphibolite. Weak thread calcite noted. Below 514.4,	840641 840642 840643	504.5 506 515.3	506 507.6 516.8

517.2	527.7	Mafic Gneiss/K-Diorite	As preceding, though coarser in part, with slightly more distinct K-spar diorite replacement. Lineated to poorly, finely gneissic, appearing in some sections as metamorphic layering (cf graded bedding), at <30 to CA. The relatively unusual layering in the amphibole-feldspar-quartz-biotite mafic gneiss could represent a mafic volcanic derived sediment. Unit hosts fine thread epidote & weak quartz. Rare garnet blastises as late crystallisation. Patchy biotite produces some coarser, more distinct 'gneissosity', or as veinlets parallel to main fabric. Locally, finer, darker, also more biotitic, with relict lithic fragments of amphibolitic mafic volcanic rock, averaging 0.25 (to1 cm) diameter Gradational contacts	840644 840645	516.8 523.6	518 525
527.7	530.7	Diorite/Tonalite	Grey, medium , locally coarse grained, variably gneissic to finely, crudely to distinctly layered where mafic gneiss material is still preserved. Weak blastophyric plagioclase & quartz. Layering intensity is mainly related to strength of high strain imposition & the degree of replacement by diorite/quartz diorite & biotitisation. Weak garnet blastising in a lepidoblastic polygonal hornblende-biotite-feldspathic host Main fabric at 0-30 to CA, & is cut by >60 to CA S2 or S3 set. Trace sulphides & weak sparse epidote stringers.	840647	528.5	530
530.7	536	Diorite/Tonalite	Grey, medium, locally coarse grained, lepidoblastic to porphyroblastic feldspar-bte mineralised, with late blastising quartz, fine opaques. Very similar to preceding, with increasing 'intrusive' material with depth (i.e. appearing more like a massive diorite/tonalite). Crude bte fabric at <30 to CA, though steeper in upper section. Amphibole content low, with bte dominant.			
	EOH					