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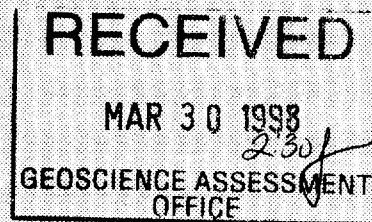
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**PROSPECTORS ALLIANCE
CORPORATION
95 WELLINGTON STREET WEST TORONTO**

REPORT ON DIAMOND DRILLING

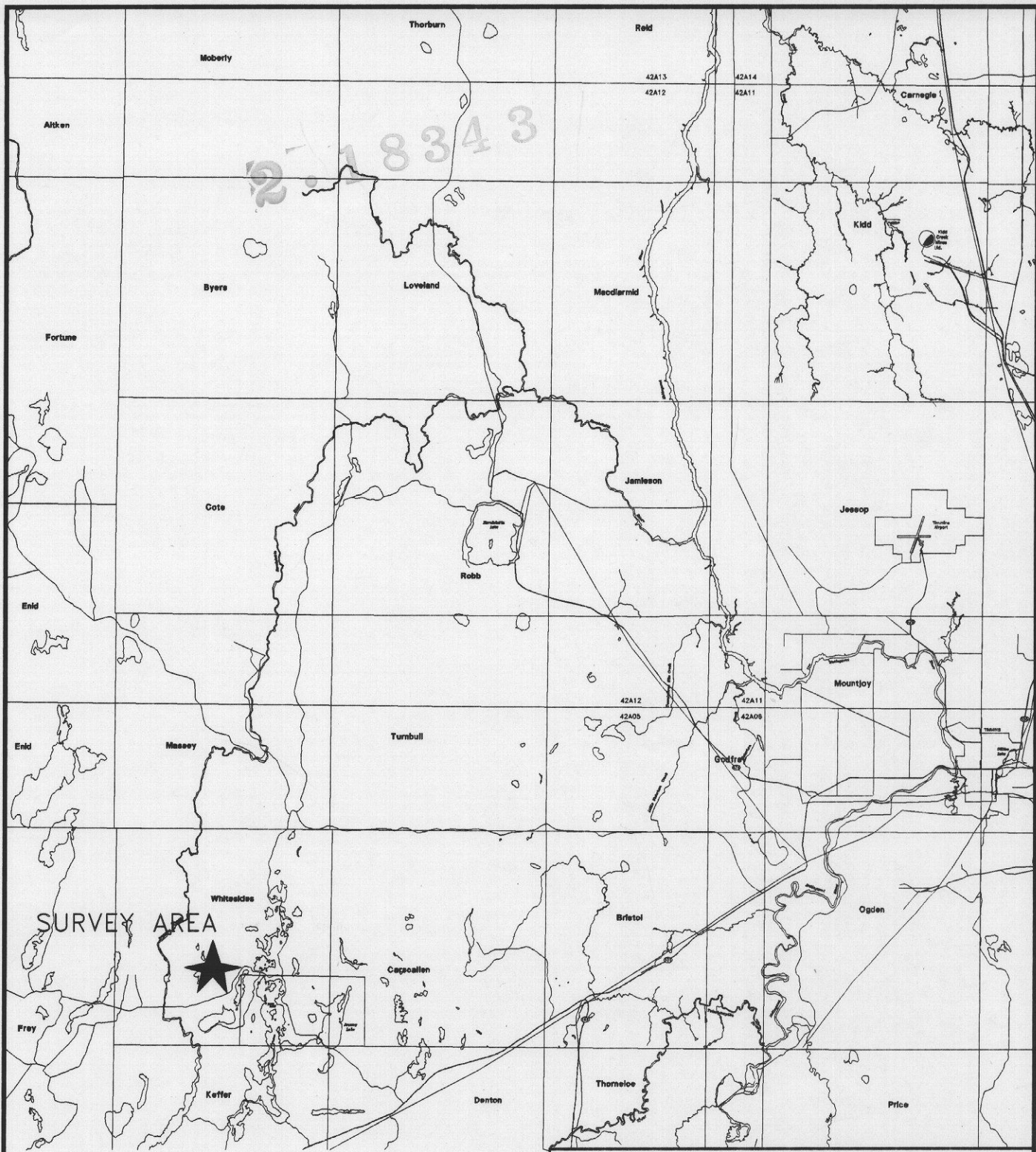
**UNION MINE PROJECT
(D. PYKE OPTION)**

WHITESIDES TOWNSHIP WEST TIMMINS AREA



By Peter J. Vamos P. Eng.

March 1998



PROSPECTORS ALLIANCE CORPORATION

Timmins ONTARIO

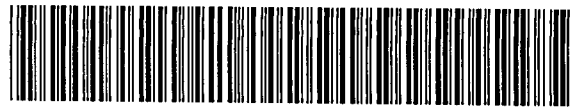
TIMMINS WEST PROJECT - UNION MINE OPTION

WHITESIDES TOWNSHIP, ONTARIO

LOCATION MAP



TRACED:	DATE:	NTS: 42-A/05	PROJECT: BHP OPTION
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SUPERVISED: P. Vamos	DATE: 08/03/98	SCALE 1:250000 (metres)	
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SUMMARY

The Union Mine project area was first explored for gold early in this century. A shaft was sunk and some lateral work was done on two levels, no details about the operation have survived the times, except that the shaft was sunk to a depth of 260m., and that lateral work on three levels exceeded over 400m by the time the project was abandoned in the early twenties. Later during the fifties and the sixties several mining companies explored a series of geophysical anomalies in the vicinity of the Kamiscotia complex, aiming to locate deposits of copper and nickel.

Prospectors Alliance acquired the claims from L. Bonhomme and the Timmins Syndicate in 1996, and initiated an exploration program during the fall of the same year.

A line grid of approx. 43 km. was cut covering both, the alteration zones adjacent to the Union Mine and the airborne geophysical anomalies defined by the government sponsored airborne geophysical survey, as well. The geological mapping program and a magnetic survey was completed by the company near the end of August, while the Induced Potential survey covering some selected prioritized lines was done during August and September of 1996.

Several anomalous conditions were observed and eight of those were recommended for follow up diamond drilling, representing a total of 900 metres of proposed drilling, four of the proposed holes were drilled during the spring of 1997. All the geophysical anomalies were explained, three being due to sulphide mineralization hosted by altered sediments or volcanosediments with very marginally anomalous gold occurrences. The fourth was attributed to a siliceous shear zone containing minor sulphides with moderate to highly anomalous gold values.

Recommendations are made to trace and extend by geophysical means the shear zone identified in the last drill hole, both to the east and the west. Costs for the proposed were estimated to be less than \$ 10,000.

INTRODUCTION

Prospectors Alliance Corp. a Toronto based resource company acquired a major package of mining claims at the west side of the Timmins mining camp. The Union Mine project area represents the west side of the claim group. After a review of the available information regarding the property, it was suggested that the area shows good potential for enrichment of both precious and base metals. Therefore it was decided to conduct an exploration program consisting of geological mapping and sampling, as well as advanced geophysical surveys. A field program was designed and executed during the late part of the summer and fall of 1996 and later in the spring of 1997 with diamond drilling of four out of the eight recommended drill targets. The present report was compiled to describe the drilling project and assess its results. The geological summaries and the history of previous work are taken from an earlier

report by Mr. Julius Begauskis M. Sc.

The drilling was conducted by Benoit Diamond Drilling of Val d'Or Quebec under the supervision of the writer. The drill core was logged by the writer as well, while the assaying of the samples was done by of Intertek Ltee of Val d'Or an affiliate of Bondar Clegg Laboratories. The drill core logged labeled and is now retained in the Timmins warehouse of Prospectors Alliance Corporation.

LOCATION AND ACCESS

The project area is located west of Timmins in Whitesides Township in the Porcupine Mining District and Cochrane administrative district, Ontario. Access to the property is, for the most part, very good. A well-maintained gravel surface road, the Dana-Jowsey Lake road, leads northward from Highway 101, some 32 km west of Timmins. A series of cottage roads lead to the south-eastern periphery of the property, while narrower truck trails provide access as close as four hundred metres of the Union Shaft. The line grid is still visible on these roads and the markings are expected to remain legible for several years.

DESCRIPTION OF THE PROJECT AREA

The project covers about 88% of the Pyke Union Mine Property and a minor portion of the Boudreau, Bean Lake Property 5%, as well as approximately 6% of a claim staked for Prospectors Alliance. The diamond drilling was executed entirely on the Union Mine claims

The work covers the area of the following claims;

Union Mine Property:	P 1193769
	P 1193772
	P 1193773
	P 1193774
	P 1207588

TOPOGRAPHY, VEGETATION AND DRAINAGE

The surface is gently rolling with slight differences in elevations, represented by predominantly glacial features, eskers, boulder trains. Relatively lower elevations (330 m) are found around the perimeter of the slightly elevated project area (350 m). Several ponds of various sizes lakes and swampy areas present some difficulties in access. Vegetation varies from cedar, spruce/peat or alder cover in lower ground; to balsam/birch and to poplar/birch. Locally some, hardwood stands remain.

PREVIOUS WORK

The Union Mine property is in the western half of the project area. Work began here with a 75-foot prospecting shaft in 1913. In 1920-22 the Union Mining Corporation Limited deepened this shaft to 260 feet; crosscut 230 feet, drifted 100 feet on the 150-foot level; and crosscut 130 feet on the 250-foot level (Sutherland et al., 1921,1922). Graham (1931) reports that alteration and mineralization of Keewatin basalt was due to the intrusion of a large granite dyke which was encountered at depth in the shaft.

Hollinger Consolidated Gold Mines Ltd. (1951) blasted and sampled old trenches south of Bean Lake located about 1.5 km northeast of the shaft. Low copper (0.5%) and nickel (0.1%) values were obtained. A flat-lying quartz vein west of Luquer Lake did not contain any significant gold values.

Diamond drilling by Hollinger (1955-1956, 10 holes, Scott and Michie) between Bean Lake and Luquer Lake intersected (in various narrow sections) low nickel (0.16%, in gabbro-hosted, blue quartz vein), low copper (0.2%, in gabbro-, gabbro-anorthosite) and low zinc (0.25% in mafic metavolcanic and in massive pyrrhotite) and insignificant gold values (0.01 oz/ton in schistose mafic metavolcanic) in wider (20-60 foot) sections of sulphide stringers, disseminated and semi-massive sulphides. Hole W-6 intersected close to 40 feet of massive pyrrhotite and pyrite in a wider mineralized zone of 84 feet, but available samples indicate maximum values of 0.1% copper and 0.065% nickel. Mapping in the Pirrson, Bean and Luquer Lake area identified sulphide-bearing gabbro in the southern portion of the map area and andesite/rhyolite cut by gabbro west of Pirrson Lake and in the northern portion of the mapped area.

Broulan Reef Mines Limited (1955) conducted a reconnaissance VLF-EM survey in the eastern portion of the project area. One conductor was identified in the vicinity of known mineralization and coincidentally, in the vicinity of a suspected cultural response (lumber camp).

Four holes, south and southwest of Bean Lake collared by Broulan Reef Mines Limited (1956) intersected massive, semi-massive, disseminated and (quartz) vein pyrrhotite-chalcopyrite within diorite (intrusive and dykes) and altered volcanics (andesite; includes xenoliths, inclusions), where clearly distinguished, veined mineralization or mineralization over narrow widths are found in andesite. Quartz is present in veins or as zones of silicification in both rock types. Cherty quartz is reported. Magnetite was also found in diorite (?) with pyrrhotite and pyrite. Carbonate was present with quartz in some sections. Pyrite is notably associated with quartz veining, silicification or quartz-carbonate veining. Assays are not reported.

Rowan Consolidated Mines (1964) drilled 13 holes (total 4700 feet) in the area of Bean Lake and intersected chalcopyrite and nickel-bearing pyrrhotite mineralization with values of up to 0.1% copper and 0.07% nickel over (different) intervals of five feet. Garnet and magnetite were notable accessories.

Lucky Strike Explorations Limited (1964) conducted magnetometer and broadside vertical loop-EM surveys east of Bean Lake and located one strong (and magnetic) conductor on strike from Rowan Consolidated's mineralized zone to the west. A gabbroic-dyke with coarse hornblende crystals and sulphides was correlated with the response.

Nickel Rim Mines Limited (1964) ran magnetic and VLF-EM surveys over claim 1193770, but did not identify anomalies for either survey.

Claw Lake Molybdenum Mines (1968) conducted an IP survey on north-south lines in Bean Lake area and identified a 1600 foot anomalous zone. One hole was drilled into the anomaly, but a report was not filed.

Geoex (1978) conducted MAXMIN II horizontal loop-EM, and a vertical loop-EM survey as well as a geological surveys on a single claim north of Bean Lake.

Peter T. George (1978) mapped the Smith-Morrison Property in the vicinity of Bean Lake. Three mafic volcanic units were identified- flows, tuffs and one outcrop of breccia. Iron formation was found, a poorly developed combination of banded chert, pyrite, pyrrhotite and magnetite in mafic volcanic tuff. Gabbro contains up to 50% pyrrhotite with small amounts of chalcopyrite. This unit is interpreted as a conformable (east-west) sill in some portions of the property, but likely drag-folded in other parts since a north-south volcanic-intrusive contact was found and evidence of fault-related deformation was not. Mineralization was notably associated with iron formation in the volcanic rocks and within gabbro elsewhere. Grab samples from six trenches in the Bean Lake area reported 0.1% Cu and 0.18% Ni in rock containing 50% pyrrhotite and 0.65% Cu and 0.25% Ni in gabbro with disseminated pyrrhotite and chalcopyrite. George concludes that the sulphides segregated during crystallization of the gabbroic magma. Magnetic and EM surveys over Bean Lake recorded anomalous zones (two magnetic diabase responses and one EM conductive-sulphide zone, respectively).

Teck Explorations (1979) ran vertical loop, shootback, pulse-EM and magnetometer surveys in the vicinity of Bean Lake. In 1981 Teck conducted VLF-EM, magnetometer and geological checks again in the Bean Lake area. A magnetic conductive horizon coincided with a mafic intrusive-mafic volcanic contact with sulphide mineralization- but with low copper and nickel values. Samples from old trenches and newly stripped zones in the vicinity of the Claw Lake IP anomaly returned a maximum of 0.15% Ni and 0.15% Cu. Gold potential was likewise tested by Teck but sampling of the Union Shaft zone only reported a maximum of 50 ppb gold.

Trenching work (1980) by W.F. Morrison is reported southeast of Bean Lake, although sampling and assaying is not on file.

Mechanical stripping (1980) by A. Janiuk was performed within current claims 1193769 and 1193771, but no assays are reported.

Overburden drilling (17 holes, 1985) is reported by Robert G. Smith in the Bean Lake, Luquer Lake area. No logs or analyses are filed.

Airborne magnetic and EM surveys by the Ontario Geological Survey (1988) over Whitesides Township identified an EM conductor(s) largely in the northern portion of the project area.

Timmins Nickel Inc. (1989) completed VLF-EM and magnetic surveys on a single claim covering the eastern shore of Bean Lake. A magnetic low-magnetic high feature was indicated in the vicinity of one relatively strong VLF-EM conductor. A follow-up, multi-frequency, horizontal loop (MAX-MIN) and total field magnetic survey was recommended to expand coverage.

Norwin Geological Ltd./ Glen J. Prior (1988) grab sampled the Union Shaft Zone. The program obtained five assays with 1000 ppb or higher gold content which included values of 3.8 ppm (from the mine dump) and 3.9 ppm gold (some 60 metres to the east of the rock dump).

Pyke and Cunnison (1995) stripped the Union Shaft zone, mapped the quartz veins and the adjacent rocks in detail as well as mapped the vicinity at a scale of 1:5000. A more reconnaissance sampling around the shaft area from the central quartz-tourmaline vein system at the Shaft Zone returned 1.1 to 2 grams of gold per tonne in grab samples. Two other easterly-trending vein systems reported a maximum of only 170 ppb gold.

Prospectors Alliance Corp. completed a more detailed program of line cutting, geological mapping of the entire grid area as well as a detailed channel/chip sampling adjacent to the Union Mine shaft over the same area which was previously stripped by the vendor of the claims, Dale Pyke. This was followed up by a Spectral Induced Potential survey identifying several anomalous zones. Details concerning all the above can be found on the assessment files of the Ministry of Northern Development & Mines.

REGIONAL GEOLOGY

In the Timmins area, Archean metavolcanics and felsic to intermediate intrusives dominate the early lithology (Pyke, 1982). Metavolcanics are divided into the Deloro and Tisdale Groups, which are structurally separated by the regionally significant Porcupine Distor Fault. The Deloro group mainly consists of lower andesitic and basaltic flows; of dacitic flows; of dacitic and rhyolitic pyroclastic rocks; and iron formation near the top of the Group. The basal portion of the Tisdale Group is dominated by ultramafic volcanic rocks and basaltic komatiites. Tholeiitic basalts and calc-alkaline (dacite) volcanoclastics complete the volcanic supracrustal sequence.

Metasedimentary wackes, siltstones and minor conglomerates form a turbidite sequence-

the Porcupine Group- which is contemporaneous with the Tisdale Group and the upper part of the Deloro Group.

Archean intrusive rocks include porphyritic monzonite, porphyritic granodiorite, diorite (hornblende- and quartz-diorites); trondhjemite; small stocks and dykes of felsic composition, and quartz-feldspar porphyry dykes. Quartz-feldspar porphyry dykes are notably associated by some (eg. Karvinen, 1977) to carbonatization and gold mineralization. Archean volcanics and sediments are regionally metamorphosed to the lower or middle greenschist facies. Smaller sill-like bodies of dunite and lherzolite are nearly exclusively found within the Deloro Group. Some of these may show some differentiation to gabbro and pyroxenite near the sill roof. Gabbro, quartz gabbro and pegmatoidal gabbro may also be found in the Timmins area. Northeast-trending diabase dykes, quartz diabase and olivine diabase dykes span the ages from Early to Late Precambrian.

Overlying the Archean rocks are minor Middle Precambrian rocks of the Gowganda Formation, Cobalt Group, Huronian Supergroup (arkose, wacke, argillite, and conglomerate).

The west Timmins area includes much of the volcano-sedimentary belt extending west from the main Timmins gold camp into Bristol, Carscallen, Whitesides, Denton Townships- and parts of Keefer and Thorneloe Townships (Pyke, in prep.)

In the Kamiskotia-Whitesides area the large Kamiskotia mafic complex intrudes older, tightly folded, Archean mafic to felsic flows, agglomerates, tuffs and welded tuffs (Wolfe, 1971). These are most generally of greenschist-facies metamorphism. Contacts are generally obscured by hybrid gabbro-norite and granitic intrusions (quartz porphyry, trondhjemites, quartz monzonites in the Kamiskotia River area). Wolfe distinguished the hybrid rock as a separate unit of uncertain origin (Unit 3), while Leahy (1968) compiled and distinguished a diorite intrusive unit in the Bean Lake area- a probable contact zone.

Mafic intrusive rock includes norite, clinopyroxene norite, anorthositic norite, leucocratic gabbro, orthopyroxene gabbro, hornblende gabbro, hornblendite and minor serpentized peridotite. Irregular pegmatitic segregations of hornblende-plagioclase-magnetite (/pyrrhotite) appear to correlate with some airborne magnetic anomalies. Otherwise, magnetic intensity may be affected by secondary alteration and metasomatism to a point which may make contacts with metavolcanics and granitic rock difficult to discern. Large parts of the mafic intrusion are regionally metamorphosed to greenschist facies assemblages of albite-epidote-actinolite-chlorite; metasomatized to epidote-tremolite-calcite-quartz, epidote-chlorite-quartz assemblages; or serpentized- dependent on original composition and on later alteration/metasomatic episodes.

All lithologies are cut by northerly-trending, medium-grained, equigranular-to-porphyritic diabase dykes.

SUMMARY TABLE OF FORMATIONS

PLEISTOCENE AND RECENT
Clay, sand, gravel, till

PRECAMBRIAN

MIDDLE PRECAMBRIAN
MAFIC INTRUSIVE ROCKS

Diabase

-----intrusive contact-----

EARLY PRECAMBRIAN (ARCHEAN)
MAFIC INTRUSIVE ROCKS

-----intrusive contact-----

FELSIC INTRUSIVE ROCKS

-----intrusive contact-----

METAMORPHOSED MAFIC INTRUSIVE ROCKS

-----intrusive and gradational contact-----

METAMORPHOSED ULTRAMAFIC INTRUSIVE ROCKS

-----intrusive contact-----

METAVOLCANICS AND METASEDIMENTS
METASEDIMENTS

FELSIC METAVOLCANICS (CALC-ALKALIC)

INTERMEDIATE METAVOLCANICS (CALC-ALKALIC)

MAFIC METAVOLCANICS (THOLEIITIC)

IRON FORMATION

ECONOMIC GEOLOGY

The Timmins Gold Mining Camp represents the major gold mining area of the Canadian Shield, where gold was first discovered near the beginning of our century, where mines begun producing gold in the second decade of the twentieth century and continued to do so, to the present days.

While the initial rush of the last decade has somewhat faded from the time of peak activity in 1995-1996- 1997 several exploration projects are still active and if successful gold mining would continue well into the twenty-first century.

Gold and base metals were discovered in the Timmins Camp in a variety of geological settings and conditions. A summary of the ore making geological controls are presented to the reader in a summary form.

Pyke (1982) has summarized regional economic geology for the Timmins area as follows:

1. Copper-zinc deposits- within felsic calc-alkalic volcanic rocks in the iron-rich tholeiitic sequence (at the upper interface or just below the top of the Lower Supergroup) eg. Kamiskotia, Kidd Creek deposits (iron formation appears to occupy the same stratigraphic position as Cu-Zn deposits north of the Porcupine-Destor Fault).
2. Nickel deposits- in peridotitic komatiites (base of the Upper Supergroup, Tisdale Group) eg. the former Langmuir Deposit in Langmuir Township.
3. Asbestos deposits- within ultramafic intrusions (within komatiitic rocks at the base of the Lower Group eg. the former Bowman Deposit in Deloro Township; magnesite and talc-magnesite deposits- in carbonatized dunitic intrusions (not flows) eg. the Canadian Magnesite property in Deloro Township.
4. Gold deposits- generally within 6 km of the Porcupine-Destor fault zone (in the base of the Upper Supergroup, Tisdale Group) or other major shear zones; possibly at the contact between the largely calc, calc-alkalic, iron-formation-bearing, Lower Supergroup and the komatiitic, iron-tholeiitic, calc-alkalic succession of the Upper Supergroup; in association with quartz-feldspar porphyry; in extensively altered (carbonatized, sericitized) host rock.

A summary of the characteristics of Porcupine camp gold deposits is provided by A. Fyon in the Field Trip Guidebook, 8th IAGOD Symposium. The major features listed include

1) a spatial relationship with crudely linear corridors (breaks) of ductile to brittle-ductile shearing and associated brittle-ductile "splays"- the latter generally recognized as more productive. An asymmetric distribution of deposits (locally either north or south of such structures, but not both)

is noted, but not fully understood as yet. Within these zones a complex or progressional deformation/alteration pattern is believed to be favourable- including a recognizable succession of quartz veining and even late shearing in felsic intrusives.

2) a spatial relationship with late, felsic intrusives (porphyries)

3) carbonate alteration (high CO₂ density 0.7-1.0 g/cm³); alkali alteration; sulphide mineralization associated with deformation; salinity < 6 wt% NaCl equivalent in trapped fluids

4) fracture controlled chlorite and sericite alteration- in either sheared or unshered rock

A.J. Macdonald (1984) examined the special role of banded iron formations (BIF) in the localization of gold concentrations in Ontario generally. He concludes that gold deposits hosted by BIF show a marked association with localized zones of deformation and hydrothermal alteration.

In 1996, much attention has been given by media to gold developments in Thornloe Township to the east. In winter/spring drilling Band-Ore identified higher-grade mineralization in pyritic-arsenopyritic, quartz-sericite schists and ankeritic alteration zones. Early drilling indicated a 6.5 metre intersection of greater than 4 g/t gold and another 18.3 metre intersection of 8.7 g/t. Further drilling 1.2 km west of the discovery zone (Golden River Zone) cut 3 metres with a grade of 8.2 g/t gold. The company was anticipating results from another hole with similar alteration and sulphide mineralization 1.2 km east of the discovery hole. Another zone was reported 1.2 km northwest of the early discovery. Grades from fill-in holes in the discovery zone area have been reported range of 3-12 g/t gold generally over intervals less than 6 m. More exceptional values and intervals have been cut. (Northern Miner- NM- May 6, 1996, p 14; June 10, 1996, p 1,14; June 17, 1996, p 1,2; Sept. 2, 1996, p1, 15).

Olivine-bearing cumulates appear to be of particular significance in Proterozoic rocks at Voisey's Bay, Labrador and in the Abitibi Belt, at the Langmuir deposit. Some deposits are situated in or near major structural sutures, for example, at geological province boundaries. Smaller-scale transgressive structures (eg. dykes, offsets, faults) can be associated with mineralization. More silicic rocks (eg. gneisses, granitoids, sediments) may be found at the margins of some mineralized intrusives, or as inclusions- in some cases even enriching the

intrusive phases with quartz/silica. The Langmuir and related deposits are located at the base of the Tisdale Group- the footwall Deloro group notably consists of felsic pyroclastics, (sulphide) iron formation among other rock types. Ordinarily principal cumulate phases lack hydrous or accessory carbonate mineralogy- although some exceptions exist in portions of some mineralized intrusions.

Volcanic-associated massive sulphide deposits (VMS, Cu-Zn, Zn-Cu) are part of a larger group of concordant, massive or semi-massive sulphides (60% or more sulphides, ideally) with a lower discordant or stringer zone of vein sulphide minerals surrounded by hydrothermally-altered rock. The upper contact of upper sulphide lens usually has a distinct contact with the hanging wall, while the lower contact may be gradational into a stringer zone (Noranda-, Cu-Zn type) or indistinct (with no distinct lower stringer zone as in the case of Zn-Cu/Mattabi-type or Cu-Zn Kidd Creek deposits). In the Superior Province VMS deposits usually occur in bimodal (mafic-felsic) metavolcanic sequences- most particularly in the middle and upper stratigraphic, subaqueous units. Rhyolites have also been associated with such deposits, but as for the above criteria, the associations are not exclusive. Likewise the presence of subvolcanic intrusions of various compositions (eg. trondhjemite, gabbro) is notable but not exclusive.

Locally, the former Kam-Kotia, VMS deposit in Robb Township consists of massive and stringer zones of pyrite, sphalerite, chalcopyrite and minor pyrrhotite in a sheared basalt-andesite (flows, pyroclastics) and felsic pyroclastic sequence. Near the ore zone, chlorite is the dominant alteration indicator in mafic rocks while sericite replaces felsic rocks. Schistosity and stratigraphy coincide with the strike of mineralization, but the orebodies plunge westward.

DESCRIPTION OF THE WORK PERFORMED

A line grid was cut beginning late in July and completed by the end of August over selected claims by Mr. John Hussey of Timmins who was also doing the magnetic survey on the project area. The base line was started about 500 m North and 300m west of the old Union Mine site. It is bearing East and extends over a distance of 2800m to the East. Cross lines were initially turned at 100 m centers with the exception of the area between 10+00E and 17+00 east where South of the base line were cut at 200m separation. The cross lines were chained and picketed at 25m stations.

GENERAL REMARKS

The geological and magnetic surveys covered the entire grid area, while for the Induced Potential survey covered only selected lines. The choosing of lines was based on geological stipulations, previous geophysical information, such as the airborne geophysical survey, flown in the behalf of the Provincial Government in 1988, and specific interests, such as the

area of the Union Mine. The outcrop of rocks was generally poor, with most outcrops concentrated on the north side of the grid. The south side was extremely poor with the exception of the immediate vicinity of the old mine. The south central part has also displayed featureless magnetics as well as poor IP. results.

Two anomalous but low-grade mineralization types appear in the project area-shear-quartz vein-hosted gold and diorite/hybrid hosted copper and nickel-bearing sulphides.

1. Shear, quartz-vein-hosted gold provided the early impetus for exploration in the area of the property. The Union Shaft Zone features carbonatized-chloritic/sericitic, easterly-westerly-trending shear zone (20-25 m wide) largely in a mafic tuff unit. A series of three quartz-carbonate-tourmaline veins follow the local foliation with a steep southward dip and host gold concentrations.

Prospectors Alliance Corp. initiated a detailed sampling program over an area stripped by the vendor few years earlier. To obtain continuous samples with sufficient volume blasting was used to provide fragmentation. A total of 66 continuous samples were collected and assayed. One chip sample of the present program reported nearly 1 g/t Au over 0.5 m (Sample 6459 from). Other values were lower (nil to 190 ppb). All the results are appended to this report. The sampling did not explain the interest in the property by the early explorers, neither the reported higher values found in the material of a smaller dump near the shaft.

East of the stripped, Union Shaft zone, sample 6478 reported 0.7 g/t over 0.5 m in white to smoky quartz with 5% chloritic partings and <1% fine pyrite.

While foliations at the Shaft Zone are found at N80E, other indications away from the most intense deformation (and some nearby) suggest that broader deformation may be WNW. Sheared, quartz-calcite veined, pillowed volcanics in the vicinity of L1E, 2+00S have vein orientations toward the Union Shaft zone or have WNW shearing. Pyke and Cunnison (1995) have described the geology of the Union Shaft Zone in detail and the reader is referred directly to the report.

Two unusual features of the Shaft Zone were the presence of feldspar aggregates (glomerophyric or "golf ball" rock, Pyke and Cunnison) in a unit which becomes a crenulated schist and the presence of fuchsite (chrome-bearing mica). Evidence of possibly-related sodic alteration (unusually large, 1.5 cm albite crystals in float, near altered diorite float) was found to the WNW at L2E between 2+00S and 3+00S. Feldspar aggregation is also pronounced in an outcrop at 4+00S between L5E and L6E. With respect to chromian phyllosilicates, the presence of gabbroic drift some 200 m due west is also notable. The presence of granitic (dyke) rock at depth in the shaft; of quartz-feldspar porphyry and sericitic alteration together with these other features suggest that the deformation/alteration/mineralization history of the Union Shaft Zone is a prolonged and episodic one.

A variant of hydrothermally-altered mineralization- BIF-hosted gold- does not appear to be

indicated from assays, only low gold values were reported.

2. Diorite-hybrid-hosted, Copper and Nickel Sulphides

The vicinity between L7+00E - L9+00E and 5+00N - 7+00N is notable for assays with low, but anomalous amounts of copper and nickel. Copper and nickel (maxima of 448 ppm and 108 ppm, respectively) were detected in a broader, gabbro-metavolcanic-diorite hybrid zone (including granular quartz, magnetite segregations; chloritized variants). Distinctively blue-tinged quartz can be found in concentrations up to 10%. Sulphides (mainly pyrrhotite, lesser pyrite and still lesser chalcopyrite) can locally be concentrated to the same amount in bands sometimes within granulated quartz, but more typically the amount is 2% or less- associated with quartz eyes. Given the amounts of quartz (including granular segregations), magnetite and sulphide- it is possible that a third lithological unit, iron formation, may have been part of this western hybrid zone. In this respect, it is significant that anomalous amounts of copper and nickel (up to 804 ppm and 1600 ppm respectively) are found in association with cherty to sulphidic (lean) iron formations to the east.

GEOPHYSICAL SURVEYS

SUMMARY OF THE RESULTS OF THE INDUCED POTENTIAL (Spectral) SURVEY

For a detailed account and interpretation the reader is referred to the geophysical report on the season's work. Over 20km of line were read between September and October. The work was performed by JVX Ltd 60 West Wilmot Street Richmond Hill ON. under the guidance of Mr. B. Webster.

The survey was successful in locating all targeted airborne anomalies, and in addition to discover further possible sulphide mineralization where the airborne survey did not locate anomalous conditions.

In our discussion we are only dealing with anomalies targeted for further investigation, for more detail the reader is referred to the Geophysical Report where the discussion will be expanded to all anomalies.

Anomaly PAL 1, was located on line 4+00E, at 350-400m north of the base line, on 5+00E, 390-450m north, it is continues to the west, becoming weaker at the central portion of the property and gaining strength again at 17+00, pinching on line 23+00E With good magnetic correlation it is suggested to be a high priority target, and is expected to relate to sulphide mineralization. This feature was found approximately 600m north of the Union shaft, and believed to be poorly explored on the east side, and unexplored on the west side of the property.

Anomaly PAL 2, was located on line 5+00E between 420m and 460m south of the base line, and about the same position on line 4+00E, with very weak indications on line 3+00E. At line 6+00E it shifts to the south between 480 and 515m. It is about 150m south of the Union mine shaft about 200m south of the Union shaft. It has a correlating weak magnetic response and an also weak resistivity high and it was not explored previously. It has been suggested that it is due to disseminated sulphides associated with a shear and is possibly silicified. Based only on geophysical considerations it was deemed as a low priority target, but because the combination of the above factors, and because it is located near to known gold occurrence the priority rating should be increased to medium.

Anomaly PAL 3, continues from line 3+00E from 80-140m south of the base line striking north of east through to 8+00E, where it is 160m north of the base line, generally it is considered a weak response, with the exception on line 6+00E where it is suggested a medium priority target. It has a correlating magnetic high of 100 Nanoteslas, and a coincident resistivity low, which continues from 8+00E to 5+00E, from which point increases to the west. The anomaly exceeds a 450m strike length. It was suggested that this anomaly is due to disseminated sulphides and was not located by the airborne survey flown in 1988 for the Provincial Government.

Anomaly PAL 4 was located on line 6+00E, at between 210 and 238m north of the base line. It continues northeast, parallel to An. 3 up to 9+00E, where it is found between 340 and 380m north of the base line. It also has a magnetic correlation as An. 3. This anomaly is also believed to be due to sulphide mineralization. It was not located or explored in the past.

Anomalies 1,3, and 4 strike northeast southwest, a direction not shown on any of the earlier maps, this strike direction resembles the strike of a major auriferous shear mapped in Bristol Township.

Anomalies 1, 3, 4, are in an area of "hybrid rocks, near to the contact of the volcanics and the basic intrusive.

Anomaly PAL 5, is on line 20+00E and 22+00E at 263m north. High chargeabilities combined with resistivity high make it a medium priority target. Flanking moderate Mag. high with an immediate low to the south suggest a dipole, but not due to high concentrations of magnetite. This area can also be referred to as low exploration intensity regarding past exploration efforts.

Anomaly PAL 6, is at 590 to 640m to the south of the base line on line 20+00E and as far as line 24+00E, Striking virtually East West the target shows good magnetic correlation and was deemed as a medium priority target. It was identified on four lines, giving it a strike length in excess of 40m. It correlates with a small cluster of airborne anomalies, without any known exploration history.

Anomaly PAL 7, is located on three survey lines beginning at 17+00E, 600m to 670m south of the base line striking gently south of east, to 22+00E at 763 south. It shows adjacent

magnetic correlation and a north flanking resistivity low. It was suggested as a high priority target with a 400m plus strike length.

Anomalies 5, 6, and 7, are all within an area underlain by mafic volcanics, with low frequency of exposure.

DIAMOND DRILLING

DISCUSSION

Drilling begun in May the second half of May 1997 and the fourth and final hole was completed by the 28th of the same month. Access between drill sites was good due to the abundance of old lumber roads and prospectors trails. Water was plentiful and did not adversely affect the over all costs.

The first drill site selected was on line 20+00 E at 5+80 S drilling to the south. This hole drilled to a depth of 162m the drill hole tested Anomaly PAL 6. The geophysical anomaly was due to two separate sulphide zones of pyrrhotite displaying remnants of primary banding with up to 35% sulphides. The first zone, located between 45.3 and 48.25m hosted a high of 30 PPB gold over 0.65m. The second sulphide zone between 75 and 81 m shown locally up 15% sulphides but was not anomalous in gold. Both zones were associated with altered banded sediments.

The second drill hole was collared on line 22+00E at 1+30N testing Anomaly PAL 5. The rocks encountered were mainly mafic and some felsic intrusives interfingering with sedimentary and volcanosedimentary remnants with stringers and disseminated sulphides, predominantly pyrrhotite.

The third hole was drilled on the northwest side of the property on line 4+00E at 3+25N. The vast majority of the rocks encountered were coarse grained basic intrusives with narrow remnants of sediments. The anomaly was due to semi massive sulphides near on the contact with of the intrusive as well as in the sedimentary remnants. Approximately 20-25% sulphides, mainly pyrrhotite were reported some with very weakly anomalous gold values.

The final drill hole of the program was drilled on line 5+00E and 2+35S. The geology here presented the most favourable environment volcanics with minor sedimentary units with considerable silicification. A wide shear zone was located in mafic volcanics and was found to be associated with carbonate and introduced silica as well. Much of this shear zone hosted anomalous gold values with a single peak of 209 PPB at top and moderately to weakly anomalous for over 40m. A second shear zone deeper in the hole did not produce anomalous gold values.

A log showing the geology of each drill hole as well as the sample intervals and assays is appended.

CONCLUSIONS

The drilling on the Union Mine property defined the causes for the IP anomalies selected for drilling. As it turns out, three out of the four anomalies tested were found to be due to sulphide mineralization showing traces of banding and in most cases associated with banded sediments possibly altered and recrystallized iron formations and do not present ideal conditions for gold enrichment.

The last drill hole however indicated both favourable conditions and enrichment in gold. This shear zone, possibly striking East West is the most encouraging aspect of the program. It is suggested that more attention be paid to it first by confirming its geometry and later if its extent is known, by diamond drilling.

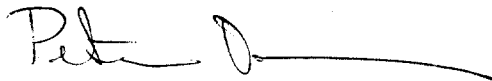
RECOMMENDATIONS

Our immediate recommendation is to attempt to extend the IP survey, both to the east and to the west of the shear. Since it was our experience that the survey had difficulties to test the bedrock at the south and east side of the property this test should be limited to one or two lines on each side. Should the results be satisfactory the south central portion between lines 8+00E and 17+00E should be covered on 200m line separation. Should the survey fail to trace the shear zone, a deep penetration IP is suggested.

COST ESTIMATE

IP survey 3-4km \$ 8,000 to 10,000 should be sufficient to cover total cost.

Respectfully submitted

A handwritten signature in black ink, appearing to read 'Peter J Vamos', followed by a long horizontal line extending to the right.

Peter J Vamos P. Eng.

ENCLOSURES

Drill logs UM 97-1 to UM 97-4 incl.

Maps:

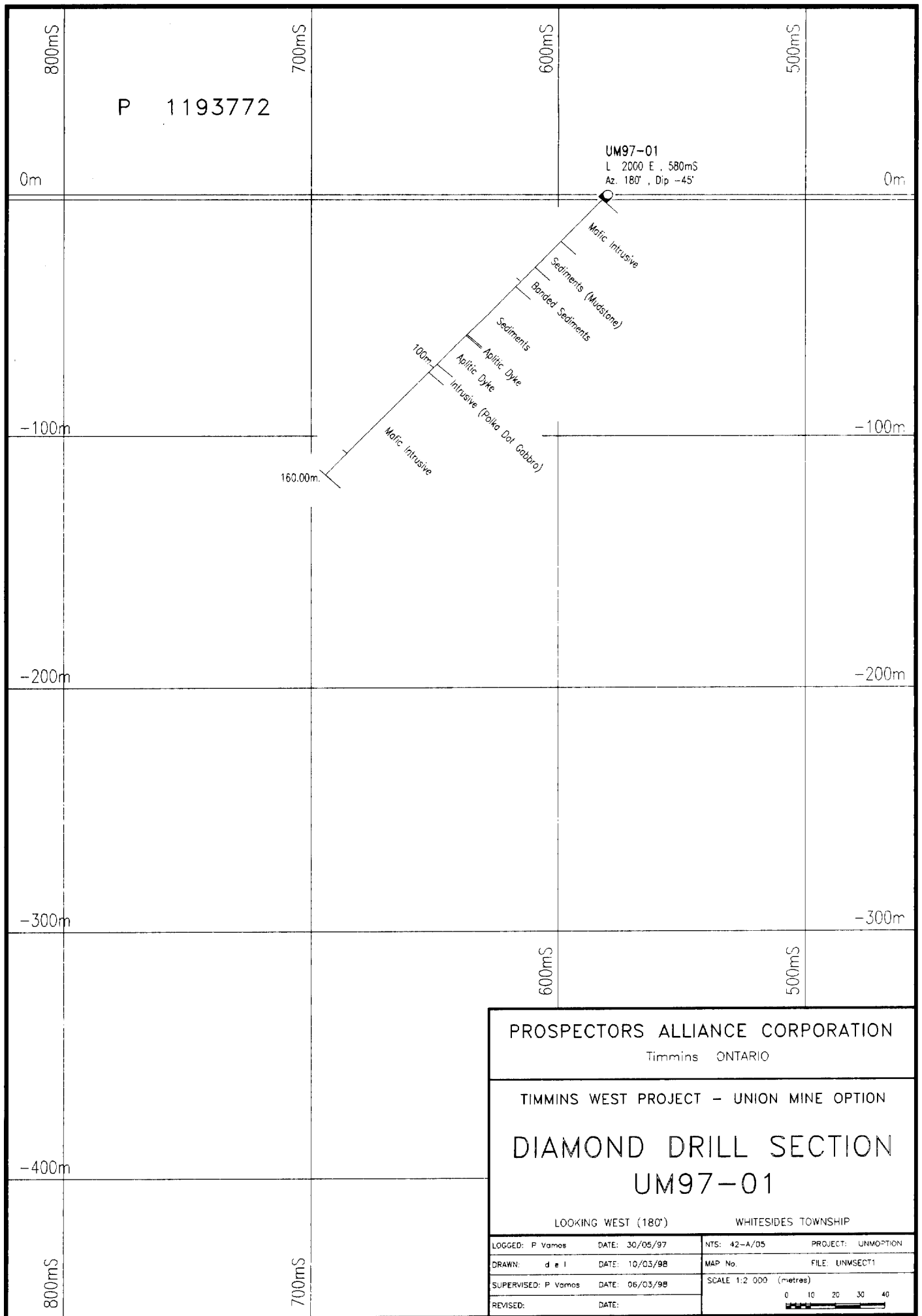
Location Map

Grid and drill hole locations

Diamond drill plan UM 97-1 to UM 97-4 incl.

Sections:

Drill sections UM 97-1 to UM 97-4 incl.



P 1193772

UM97-01
 L 2000 E , 580mS
 Az. 180° , Dip -45°

0m

0m

-100m

-100m

-200m

-200m

-300m

-300m

-400m

160.00m

100m

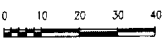
PROSPECTORS ALLIANCE CORPORATION
 Timmins ONTARIO

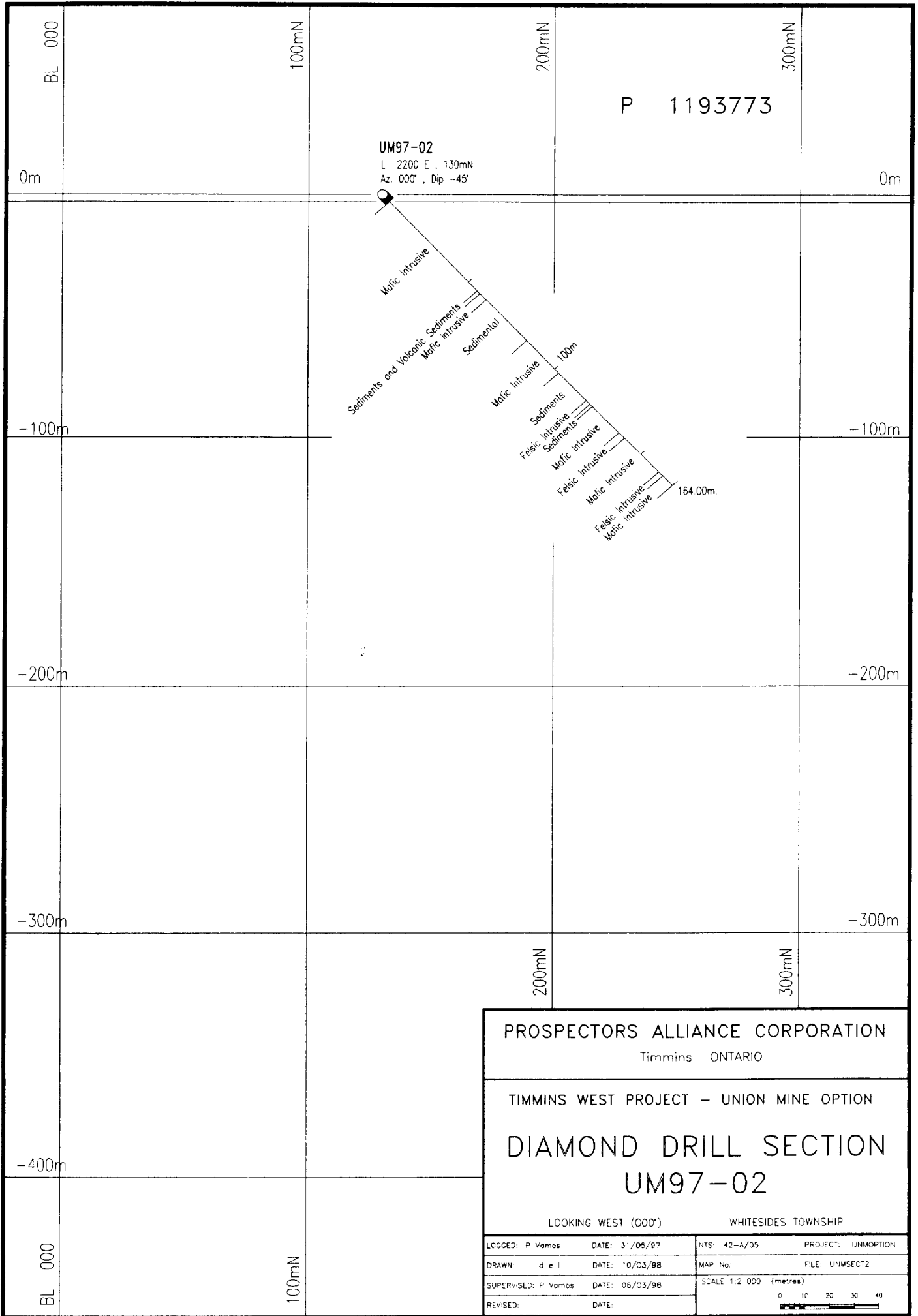
TIMMINS WEST PROJECT - UNION MINE OPTION

DIAMOND DRILL SECTION
 UM97-01

LOOKING WEST (180°) WHITESIDES TOWNSHIP

LOGGED: P Vamos	DATE: 30/05/97	NTS: 42-A/05	PROJECT: UNMOPTION
DRAWN: d e l	DATE: 10/05/98	MAP No.	FILE: UNMSECT1
SUPERVISED: P Vamos	DATE: 06/05/98	SCALE 1:2 000 (metres)	
REVISED:	DATE:	0 10 20 30 40	





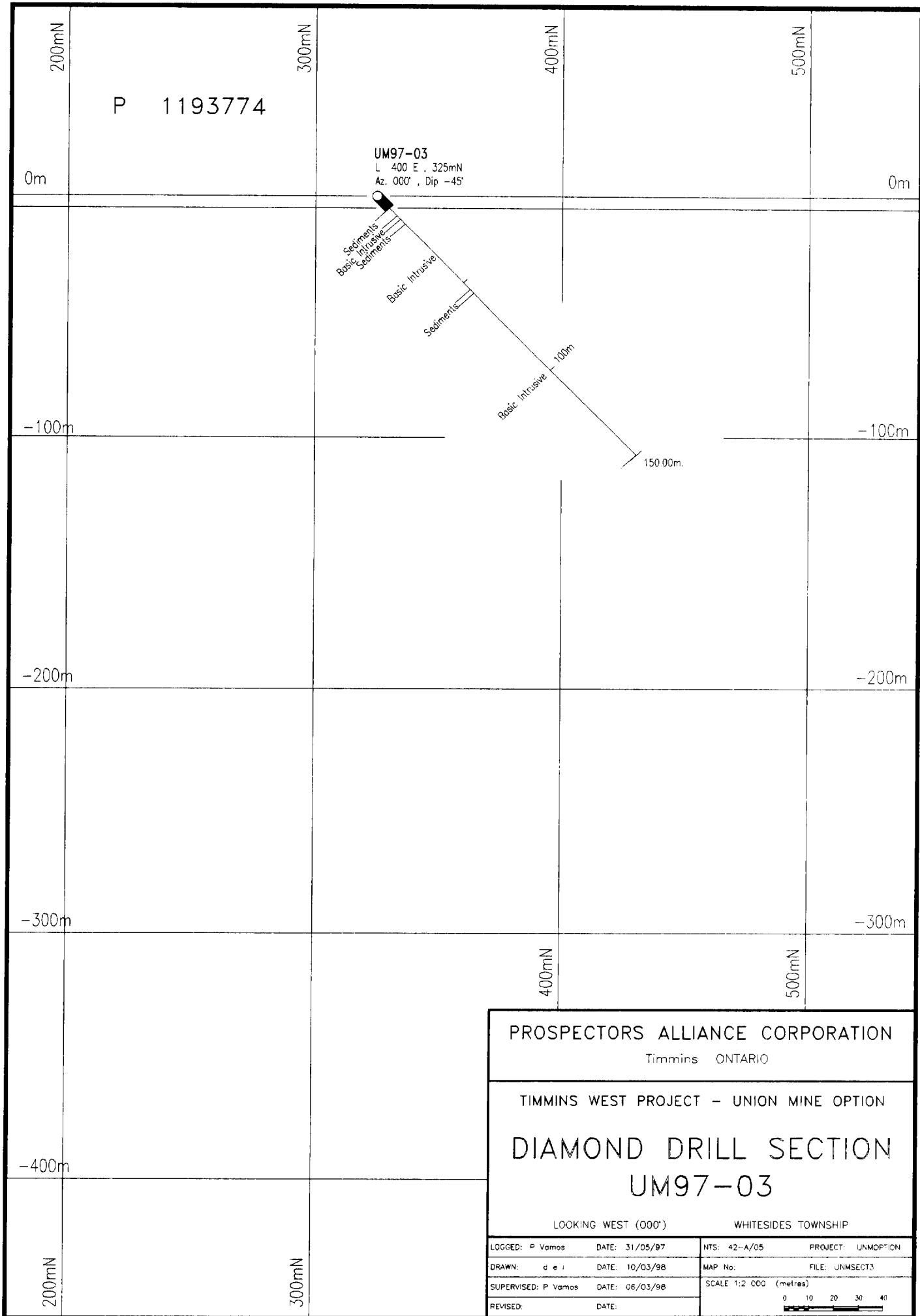
PROSPECTORS ALLIANCE CORPORATION
 Timmins ONTARIO

TIMMINS WEST PROJECT - UNION MINE OPTION

DIAMOND DRILL SECTION
UM97-02

LOOKING WEST (000°) WHITESIDES TOWNSHIP

LOGGED: P Vamos	DATE: 31/05/97	NTS: 42-A/05	PROJECT: UNMOPTION
DRAWN: d e l	DATE: 10/03/98	MAP No:	FILE: UNMSECT2
SUPERVISED: P Vamos	DATE: 06/03/98	SCALE 1:2 000 (metres)	
REVISED:	DATE:		



UM97-03
 L 400 E , 325mN
 Az. 000° , Dip -45°

Sediments
 Basic Intrusive
 Sediments
 Basic Intrusive
 Sediments

Basic Intrusive - 100m

150.00m.

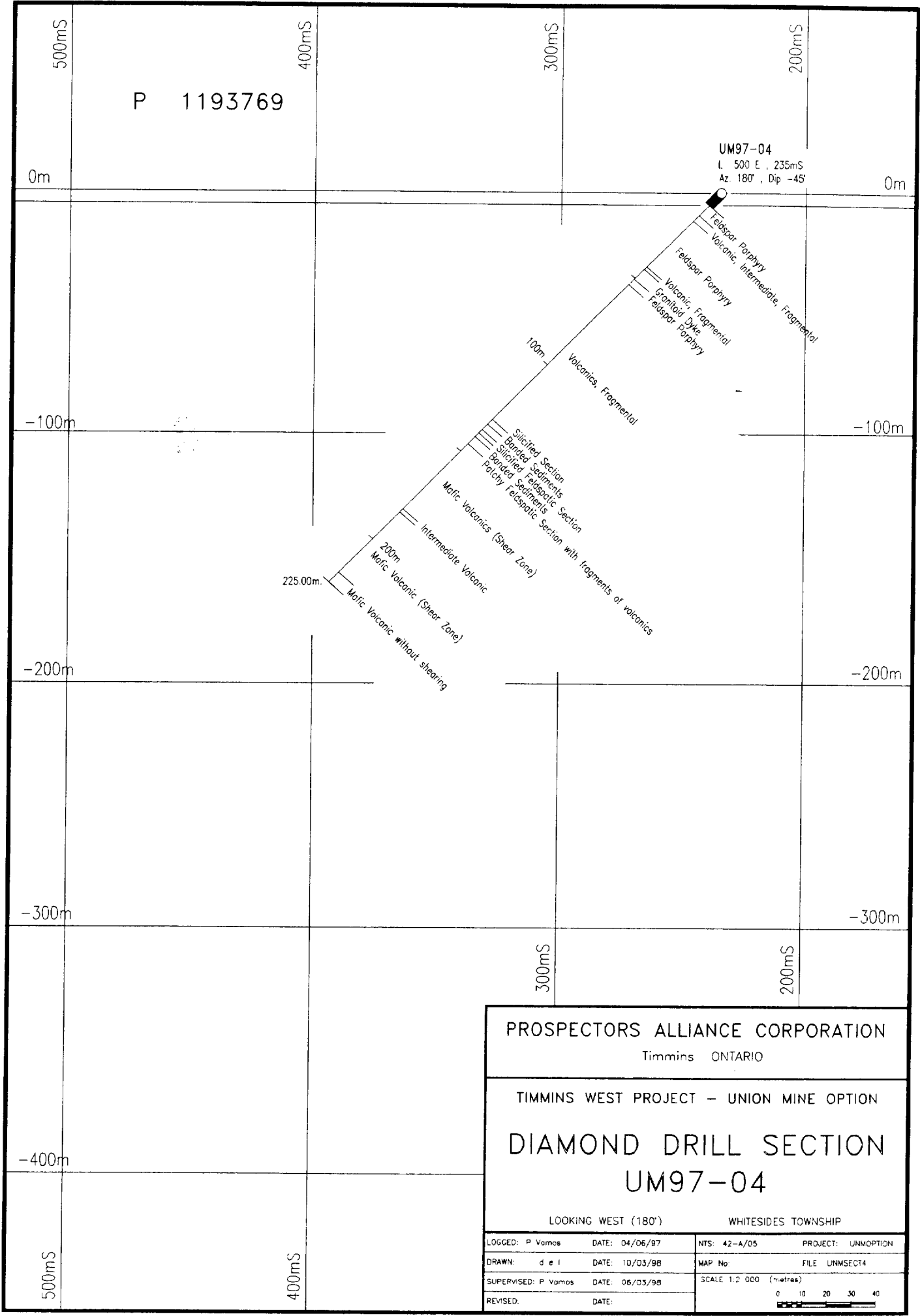
PROSPECTORS ALLIANCE CORPORATION
 Timmins ONTARIO

TIMMINS WEST PROJECT - UNION MINE OPTION

DIAMOND DRILL SECTION
 UM97-03

LOOKING WEST (000°) WHITESIDES TOWNSHIP

LOGGED: P Vamos	DATE: 31/05/97	NTS: 42-A/05	PROJECT: UNMOPTION
DRAWN: d e l	DATE: 10/03/98	MAP No:	FILE: UNMSECT3
SUPERVISED: P Vamos	DATE: 06/03/98	SCALE 1:2 000 (metres)	
REVISED:	DATE:		



P 1193769

UM97-04
 L 500 E, 235mS
 Az 180°, Dip -45°

PROSPECTORS ALLIANCE CORPORATION
 Timmins ONTARIO

TIMMINS WEST PROJECT - UNION MINE OPTION

DIAMOND DRILL SECTION
 UM97-04

LOOKING WEST (180°) WHITESIDES TOWNSHIP

LOGGED: P Vamos	DATE: 04/06/97	NTS: 42-A/05	PROJECT: UNMOPTION
DRAWN: d e l	DATE: 10/03/98	MAP No:	FILE UNMSECT4
SUPERVISED: P Vamos	DATE: 06/03/98	SCALE 1:2 000 (metres)	
REVISED:	DATE:	0 10 20 30 40	

DIAMOND DRILL CORE LOG - SUMMARY SHEET

Project: PAL Union Mine Pyke Option
Date: May 30/97
Logged By: P. Vamos

DDH: UM 97-01

Drilling Co.: Benoit Diamond Drilling
COLLAR LOCATION

SURVEYS: Mag I.P. Method: Spectral

Timmins Coordinates

PAL Grid Coordinates

Northing:

Section 20+00E

Easting:

5+80S

Elevation:

TD:

Depth Azimuth Dip
 Setup: 162 m South -45°

DRILLING DATES:

Started: May 21/97

Finished: May 23/97

GEOLOGIC SUMMARY:

FROM (m)	TO (m)	DESCRIPTION	INTERVAL			SIGNIFICANT ASSAY AVERAGES				
			From (m)	To (m)	Width (m)	Cu%	Pb%	Zn%	Au ppb	Ag g/t
0	2.5	Overburden								
2.5	27.1	Mafic Intrusion								
27.1	98.7	Sediments								
98.7	162.0	Mafic Intrusion								
	162.0	E.O.H.								



42A05NW2006 2.18343 WHITESIDES 020

COMMENTS:

P. Vamos

DIAMOND DRILL CORE LOG

Project: PAL Union Mine Pyke Option
Date: May 30/97
Logged By: P. Vamos

DDH: UM 97-01

Page: 1 of 3

FROM (m)	TO (m)	DESCRIPTION	Sample #	SAMPLE INTERVAL			DRILL CORE ASSAYS					
				From (m)	To (m)	Width (m)	Cu%	Pb%	Zn%	Au ppb	Ag g/t	
0	2.5	Overburden										
2.5	27.1	Mafic Intrusive - dark grey, fine grained, some sections mottled with white (albite) phenocrysts up to 1 cm; moderately chloritized with thin carbonate fracture fillings weakly sheared at 35° to CA - few very fine grained sections about 5 to 25 cm wide, flow edges? 17.5-18 sediment, lighter grey, fine grained 18.3-19.6 sediment, as above										
27.1	42.15	Sediment (Mudstone) - greenish grey fine, to very fine grained, very massive at top but becomes increasingly fractured (qtz and carbonate ?) - chloritization more advanced especially in the finer grained sections, the very fine grained sections tend to be harder 38 and on few 1 cm wide banded sections										
42.15	53.0	Banded Sediments - dark grey, fine to very fine grained, thinly banded at 30° to CA; banded and patchy sulphides predominantly pyrrhotitic stringers and veinlets at qtz concordant with strata										
		44.6-45 mudstone with about 30% qtz	666513	44.0	45.0	1.0						<5.0
		45.3-45.8 about 10-15% pyrrh	666514	45.0	45.8	0.8						<5.0
		45.5 3 cm qtz veinlet										
		45.8-46.5 banded pyrrh 30-35%	666515	45.8	46.5	0.7						12.0
		46.5-47.15 pyrrh 5-10%	666516	46.5	47.15	0.65						30.0
		47.15-47.65 rock more massive pyrrh 1-2%	666517	47.15	47.65	0.5						<5.0
		47.65-48.25 pyrrh 10-15%	666518	47.65	48.25	0.6						11.0
		48.25 very moderate sulphides										
			666519	51.0	51.5	0.5						<5.0
		51.56 patchy quartz	666520	51.5	52.3	0.8						<5.0

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DIAMOND DRILL CORE LOG

Project: PAL Union Mine Pyke Option
Date: May 30/97
Logged By: P. Vamos

DDH: UM 97-01

Page: 2 of 3

FROM (m)	TO (m)	DESCRIPTION	Sample #	SAMPLE INTERVAL			DRILL CORE ASSAYS				
				From (m)	To (m)	Width (m)	Cu%	Pb%	Zn%	Au ppb	Ag g/t
		51.80 patchy quartz									
		52.40 qtz veinlet 3 cm (blue, smoky)	666521	52.3	52.8	0.5					<5.0
		52.78, 53.45 qtz veinlets	666522	52.8	53.5	0.7					<5.0
53.8	81.0	Sediments, predominantly mudstones with occasional, banded cherty sedimentary sections (cherty IF) Mudstones - fine grained, darker grey, greenish with occasional fine garnet segregations, massive Banded Sediments - very fine grained lighter buff grey with finely banded pyrrhotite; sections vary in width between 5 and 50 cm 55.5 50 cm banded seds with minor pyrrh banding at 30° to CA 56.8 20 cm banded seds 57.0-58.5 banded seds 37% pyrrh, few small garnets 60.0-62.5 banded seds 63.3-64.2 banded seds 64.6 30 cm banded seds 65.9-67.2 seds banding & qtz, increased alteration - minor sulphide stringers pyrrh 1-3%	666524 666525 666526 666527	65.9 67.0 68.0 69.0	67.0 68.0 69.0 70.0	1.1 1.0 1.0 1.0					<5.0 <5.0 <5.0 <5.0
		70.0-71.3 crenulated folding	666528	70.0	71.25	1.25					<5.0
		71.3-71.7 qtz vein, upper contact 90° to CA lower at 45°	666529	71.25	71.7	0.45					<5.0
		75.0-81.0 increased silicification as well as in sulphides up to 10-15% locally - pyrrh in narrow stringers	666530 666531 666532	75.0 76.0 77.0	76.0 77.0 78.0	1.0 1.0 1.0					<5.0 <5.0 <5.0
81.0	81.45	Aplitic Dyke - upper contact 45° to CA lower at 85 m									

PU

DIAMOND DRILL CORE LOG

Project: PAL Union Mine Pyke Option
Date: May 30/97
Logged By: P. Vamos

DDH: UM 97-01

Page: 3 of 3

FROM	TO	DESCRIPTION	Sample #	SAMPLE INTERVAL			DRILL CORE ASSAYS				
				From (m)	To (m)	Width (m)	Cu%	Pb%	Zn%	Au ppb	Ag g/t
81.45	98.7	As before									
		84.0 further increase in alteration, more chloritic garnetifious layers and segregations, qtz veinlets in varying thickness; patchy & stgr sulphides locally up to 10%	666533	83.0	84.0	1.0					<5.0
		84.0 30 cm qtz vein, top contact at 85° to CA	666534	84.0	85.0	1.0					<5.0
		- lower at 30-35°	666535	85.0	86.0	1.0					<5.0
		87.0 increase in alteration	666536	86.0	87.0	1.0					<5.0
		86.7 30 cm qtz vein									
		93.0 qtz veining, patchy sulphides mainly pyrrh	666537	93.0	94.0	1.0					<5.0
		94.0-98.7 contact zone, with narrow medium grained tongues at the underlying gabbro									
		94.4-95.8 altered sediments with stgrs of pyrrh & the bottom 30 cm with very fine grained disseminated pyrite	666538	94.4	95.0	0.6					<5.0
			666539	95.0	95.8	0.8					<5.0
98.7	103.0	Intrusive (Polka Dot Gabbro) - slightly greenish grey, medium grained, massive with large of altered white-cream coloured fpar - lower contact gradational									
103.0		Mafic Intrusive - slightly greenish grey, fine to very fine grained, very massive and dense and fresh - hairline carb fract fillings									
	162.0	E.O.H.									

PV

DIAMOND DRILL CORE LOG - SUMMARY SHEET

Project: PAL Union Mine Pyke Option
Date: May 31/97
Logged By: P. Vamos

DDH: UM 97-2

Drilling Co.: Benoit Diamond Drilling
COLLAR LOCATION

SURVEYS: Mag I.P. Method: Spectral

Timmins Coordinates
Northing:
Easting:
Elevation:
TD:

PAL Grid Coordinates
Section 22+00E
1+30N

Depth Azimuth Dip
Setup: 164 m North 45°

DRILLING DATES:
Started: May 24/97
Finished: May 25/97

GEOLOGIC SUMMARY:

FROM (m)	TO (m)	DESCRIPTION	INTERVAL			SIGNIFICANT ASSAY AVERAGES				
			From (m)	To (m)	Width (m)	Cu%	Pb%	Zn%	Au ppb	Ag g/t
0	3.0	Overburden								
3.0	55.0	Mafic Intrusive								
55.0	57.5	Sediments								
57.5	60.0	Mafic Intrusive								
60.0	84.0	Sediments								
84.0	102.0	Mafic Intrusive								
102.0	118.0	Sediments								
118.0	121.3	Felsic Intrusive								
121.3	164.0	Mafic (some felsic) Intrusive								
	164.0									



42A05NW2006 2.18343 WHITESIDES 030

COMMENTS:

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DIAMOND DRILL CORE LOG

Project: PAL Union Mine Pyke Option
Date: May 31/97
Logged By: P. Vamos

DDH: UM 97-02

Page: 1 of 2

FROM (m)	TO (m)	DESCRIPTION	Sample #	SAMPLE INTERVAL			DRILL CORE ASSAYS				
				From (m)	To (m)	Width (m)	Cu%	Pb%	Zn%	Au ppb	Ag g/t
0	3.0	Overburden									
3.0	54.9	Mafic Intrusive (portions possibly metamorphosed volcanics and sediments) - dark grey, fine grained, equigranular & very massive, fresh, hairline carb fracture fillings, weakly magnetic to 35 m 3.0-10.0 few white porpheoblasts of fspar about 2-3 mm in size, subangular to subrounded 23.2 minor pyrhh stringer at 40° to CA 32.6-34.0 banded sediment, remnant; lighter grey, very fine grained, finely banded healed brecciation, patches stringers and dissem. sulphides, mainly pyrhh 35.0 and on more short intersections of altered seds with narrow chloritic seams	666547 666548	32.6 33.2	33.2 34.0	0.6 0.8				7.0 5.0	
54.9	57.5	Sediments and Volcanic Sediments - lighter grey, very fine grained glossy and uniform, very faint remnant structures, traces of banding, healed brecciation									
57.5	60.0	Mafic Intrusive - similar to the above, but slightly lighter in colour									
60.0	84.3	Sedimental - as above, probably derived from mudstones very faint ? banding 67.5-73.5 few qtz veinlets									
84.3	102.0	Mafic Intrusive - as above, with occasional large fspar phenos 90.25-90.5 sed remnants, banded 85° to CA - qtz veinlet 2 cm									

P U

DIAMOND DRILL CORE LOG

Project: PAL Union Mine Pyke Option
Date: May 31/97
Logged By: P. Vamos

DDH: UM 97-02

Page: 2 of 2

FROM (m)	TO (m)	DESCRIPTION	Sample #	SAMPLE INTERVAL			DRILL CORE ASSAYS				
				From (m)	To (m)	Width (m)	Cu%	Pb%	Zn%	Au ppb	Ag g/t
102.0	118.5	Sediments (predominantly) - with sections of mafic intrusive; few thin stringers of pyrrh near lower contact 107.5-108.0 few qtz carb. veinlets 1-3 cm 75-80 to CA 108.0-118.0 occasional qtz carb veinlets 1-2 cm									
118.5	120.2	Felsic Intrusive - grey, medium grained, holocrystalline, fresh & massive									
120.2	121.3	Sediment (remnant) -darker grey, very fine grained almost glossy at top - conglomerotic appearance; thin string of phrrh	666549 666550 666551	120.2 120.7 121.7	120.7 121.7 122.2	0.5 1.0 0.5				<5.0 <5.0 <5.0	
121.3	137.5	Mafic Intrusive - as before with narrow sections of sed origin 122.1-122.6 qtz vein 125.5 qtz veinlet 10 cm 135 to lower contact faint foliation very weak shearing up to 45° CA	666552	122.2	122.7	0.5					<5.0
137.5	140.5	Felsic Intrusive as above - upper contact 35° to CA, lower indefinite									
140.5	160.0	Mafic Intrusive - dark greenish grey, fine grained matrix with fine to medium grained lacy fspars silicified massive and hard									
160.0	161.0	Felsic Intrusive									
161.0	164.0	Mafic Intrusive as above									
	164.0	E.O.H.									

PV

DIAMOND DRILL CORE LOG - SUMMARY SHEET

Project: PAL Union Mine Pyke Option
Date: May 31/97
Logged By: P. Vamos

DDH: UM 97-03

Drilling Co.: Benoit Diamond Drilling
COLLAR LOCATION

SURVEYS: Mag I.P. Method: Spectral

Timmins Coordinates

PAL Grid Coordinates

Northing:

Section 4+00E

Easting:

3+25N

Elevation:

TD:


Depth Azimuth Dip
 Setup: 150 m North 45°

DRILLING DATES:

Started: May 24/97

Finished: May 25/97

GEOLOGIC SUMMARY:

FROM (m)	TO (m)	DESCRIPTION	INTERVAL			SIGNIFICANT ASSAY AVERAGES				
			From (m)	To (m)	Width (m)	Cu%	Pb%	Zn%	Au ppb	Ag g/t
0	8.5	Overburden								
8.5	16.3	Sediments								
16.3	150.0	Basic Intrusive								
	150.0	E.O.H.								
COMMENTS:										
			42A05NW2006			2.18343		WHITESIDES		040

Peter

DIAMOND DRILL CORE LOG

Project: PAL Union Mine Pyke Option
Date: May 31/97
Logged By: P. Vamos

DDH: UM 97-03

Page: 1 of 1

FROM (m)	TO (m)	DESCRIPTION	Sample #	SAMPLE INTERVAL			DRILL CORE ASSAYS				
				From (m)	To (m)	Width (m)	Cu%	Pb%	Zn%	Au ppb	Ag g/t
0	8.5	Overburden									
8.5	11.5	Sediments - medium grey, fine grained, uniform and very massive ? sulphides, mainly pyrhh	666553	8.5	9.5	1.0					<5.0
			666554	9.5	10.5	1.0					19.0
11.5	13.5	Basic Intrusive - medium grey, medium to coarse grained, uniform and massive, coarser variety with 20-25%, blue ? or andalusite	666555	10.5	11.5	1.0					12.0
13.5	16.3	Sediments as above, with 15-25% sulphides	666556	12.8	13.8	1.0					<5.0
			666557	13.8	14.8	1.0					6.0
			666558	14.8	15.8	1.0					<5.0
16.3	54.0	Basic Intrusive as above									
54.0	55.5	Sediments as above - patches and stringers of quartz									
55.5	150.0	Basic Intrusive as above - fine grained, coarser at top, few occasional stringers of qtz									
	150.0	E.O.H.									

P. Vamos

DIAMOND DRILL CORE LOG - SUMMARY SHEET

Project: PAL Union Mine Pyke Option
Date: June 4/97
Logged By: P. Vamos

DDH: UM 97-04

Drilling Co.: Benoit Diamond Drilling
COLLAR LOCATION

SURVEYS: Mag I.P. Method: Spectral

Timmins Coordinates

PAL Grid Coordinates

Northing:

Section 5+00E

Easting:

2+35S

Elevation:

TD:

Depth Azimuth Dip
 Setup: 225 m South -45°

DRILLING DATES:

Started: May 25/97

Finished: May 28/97

GEOLOGIC SUMMARY:

FROM (m)	TO (m)	DESCRIPTION	INTERVAL			SIGNIFICANT ASSAY AVERAGES				
			From (m)	To (m)	Width (m)	Cu%	Pb%	Zn%	Au ppb	Ag g/t
0	8.5	Overburden								
8.5	54.5	Fpar Porphyry with Granitoid Dyke								
54.5	146.5	Volcanics Intrusive								
146.5	225.0	Volcanics Mafic								
		146.5 - 181.0 Shear	147.0	150.0	3.0				100.0	
		185.0 - 220.0 Shear	166.0	175.0	9.0				25.0	
	220.0	E.O.H.								



42A05NW2006 2.18343 WHITESIDES 050

COMMENTS:

P. Vamos

DIAMOND DRILL CORE LOG

Project: PAL Union Mine Pyke Option
Date: June 4/97
Logged By: P. Vamos

DDH: UM 97-04

Page: 1 of 4

FROM (m)	TO (m)	DESCRIPTION	Sample #	SAMPLE INTERVAL			DRILL CORE ASSAYS				
				From (m)	To (m)	Width (m)	Cu%	Pb%	Zn%	Au ppb	Ag g/t
0	8.5	Overburden									
8.5	14.2	Fpar Porphyry - matrix dark grey, fine grained, porphyroblasts (10-15%) about 2-3 cm up to ½ cm evenly distributed, subrounded - moderately chloritised and sheared at 35° to CA - lower contact fragmented with a later thin dyke or chilled margin									
14.2	17.0	Volcanic, Intermediate, Fragmental - altered with several fpar porphyry veinlets; lighter grey fine grained with chloritised fragments up to ½ cm - fragments approx 10-15% per val 3-4 cm long bleached and bleached and chloritised fine grained sections - moderately sheared at 40° to CA									
17.0	44.5	Fpar Porphyry (predominantly) - with short sections (15-20 cm) fragmental volcanics which display shearing; occasional very fine grained pyrite	666559	31.0	31.5	0.5					<5.0
44.5	45.6	Volcanic, Fragmental									
45.6	51.0	Granitoid Dyke - pegmatoid near bottom									
51.0	54.5	Fpar Porphyry as before									
54.5	132.0	Volcanics, Fragmental as before - some increase in fracturing and a moderate increase in mica - few, narrow sections of porphyritic material - occasional weak shearing	666560	59.0	59.7	0.7					<5.0
			666561	59.7	60.4	0.7					<5.0
		59.0-60.4 qtz veining, general increase in chloritisation	666562	60.4	61.0	0.6					<5.0

PV

DIAMOND DRILL CORE LOG

Project: PAL Union Mine Pyke Option
Date: June 4/97
Logged By: P. Vamos

DDH: UM 97-4

Page: 2 of 4

FROM	TO	DESCRIPTION	Sample #	SAMPLE INTERVAL			DRILL CORE ASSAYS				
				From (m)	To (m)	Width (m)	Cu%	Pb%	Zn%	Au ppb	Ag g/t
		80.0 and on appearance of narrow silicified sections increasing in width with depth from 0.5 cm to several cm by 90 m	666563	92.0	93.0	1.0					<5.0
			666564	93.0	93.5	0.5					<5.0
		93.2 qtz and sulphide stgrs 304 cm and occasional fine disseminated py w pyrth & silica	666565	93.5	94.5	1.0					<5.0
			666566	94.5	95.5	1.0					<5.0
			666567	98.0	99.0	1.0					<5.0
			666568	99.0	100.0	1.0					<5.0
			666569	100.0	100.5	0.5					<5.0
			666570	100.5	101.5	1.0					<5.0
		114.0-117.0 increase in silicification and stringers									
132.5	135.0	Silicified Section	666571	132.5	133.0	0.5					<5.0
		- at top 20 cm banded seds, fine banding moderately sheared sericitised; remainder 50-60% qtz patchy & stringers	666572	133.0	134.0	1.0					6.0
		- some fpar and fuchsite, sed remnants ?	666573	134.0	135.0	1.0					<5.0
135.0	137.3	Banded Sediments	666574	135.0	136.0	1.0					<5.0
		- lighter greenish grey, fine grained, laminated, occasionally ?, estimated 80% qtz and very fine dissem py	666575	136.0	137.0	1.0					<5.0
137.3	140.5	Silicified Feldspatic Section	666576	137.0	138.0	1.0					13.0
		-more patchy fpar remnants of banded seds and volcanic fragments coated with very fine sulphides	666577	138.0	139.0	1.0					<5.0
			666578	139.0	140.0	1.5					<5.0
140.5	142.3	Banded Seds as above	666579	140.5	141.5	1.0					7.0
		- increased bleaching and quantity of sulphides	666580	141.5	142.5	1.0					<5.0
142.3	146.5	Patchy Feldspatic Section with fragments of volcanics	666581	142.5	143.5	1.0					<5.0
		- grades into fine grained banded seds with an increase of	666582	143.5	144.5	1.0					7.0

PV

DIAMOND DRILL CORE LOG

Project: PAL Union Mine Pyke Option
Date: June 4/97
Logged By: P. Vamos

DDH: UM 97-04

Page: 3 of 4

FROM	TO	DESCRIPTION	Sample #	SAMPLE INTERVAL			DRILL CORE ASSAYS				
				From (m)	To (m)	Width (m)	Cu%	Pb%	Zn%	Au ppb	Ag g/t
		sulphides up to 5%									
146.5	183.0	Mafic Volcania (Shear Zone to 181.0 m) - slightly greenish grey, fine grained and altered moderate shearing at 30° to CA becoming stronger down hole - stgrs of qtz & carbonate & evenly distributed fine qtz	666583	147.0	148.0	1.0				209.0	
			666584	148.0	149.0	1.0				23.0	
			666585	149.0	150.0	1.0				78.0	
			666586	153.0	154.0	1.0				<5.0	
			666587	154.0	155.0	1.0				18.0	
			666588	155.0	156.0	1.0				7.0	
			666591	156.0	157.0	1.0				10.0	
			666592	157.0	158.0	1.0				6.0	
			666593	158.0	159.0	1.0				9.0	
			666589	162.0	163.0	1.0				<5.0	
			666590	163.0	164.0	1.0				<5.0	
			666594	165.0	166.0	1.0				<5.0	
			666595	166.0	167.0	1.0				16.0	
			666596	167.0	168.0	1.0				19.0	
			666597	168.0	169.0	1.0				31.0	
			666598	169.0	170.0	1.0				39.0	
			666599	170.0	171.0	1.0				21.0	
			666600	171.0	172.0	1.0				7.0	
			666601	172.0	173.0	1.0				7.0	
			666602	173.0	174.0	1.0				5.0	
			666603	174.0	175.0	1.0				97.0	
			666604	175.0	176.0	1.0				11.0	
			666605	176.0	177.0	1.0				9.0	
			666606	177.0	178.0	1.0				7.0	

PV

DIAMOND DRILL CORE LOG

Project: PAL Union Mine Pyke Option
Date: June 4/97
Logged By: P. Vamos

DDH: UM 97-4

Page: 4 of 4

FROM	TO	DESCRIPTION	Sample #	SAMPLE INTERVAL			DRILL CORE ASSAYS				
				From (m)	To (m)	Width (m)	Cu%	Pb%	Zn%	Au ppb	Ag g/t
182.0	185.0	Intermediate Volcanic - lighter grey, fine to medium grained, very uniform, chloritised but massive, upper contact at 45° to CA									
185.0	220.0	Mafic Volcanic as above (Shear Zone) - darker grey, medium grained, with short light and fine grained sections up to 40 cm - weakly sheared and altered from 190.0- 205.5 and moderately sheared to 214.0 and weakly to 220.0 - sheared section strongly chloritised 208.5-216.0 qtz stringers and lenses	666607 666608 666609 666610	209.0 210.0 211.0 212.0	210.0 211.0 212.0 213.0	1.0 1.0 1.0 1.0				12.0 8.0 <5.0 12.0	
220.0	225.0	Same rock, without shearing									

PV



42A05NW2006 2.18343 WHITESIDES 900

copy of subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the Act, the holder is required to review the assessment work and correspond with the mining land holder. Contact: Mining Recorder, Ministry of Northern Development and Mines, 6th Floor.

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240.
 - Please type or print in ink.

1. Recorded holder(s) (Attach a list if necessary)

Name John Peter Huot	Client Number 146892
Address Box 106 Maple Street Timmins Ont P4N 7H9	Telephone Number (705) 267-6464
	Fax Number 264-3260
Name	Client Number
Address	Telephone Number
	Fax Number

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

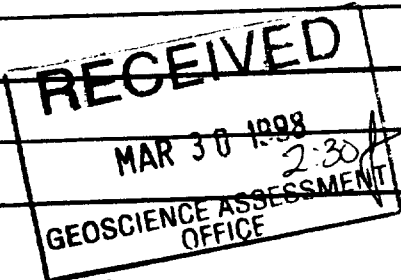
Geotechnical: prospecting, surveys, assays and work under section 18 (regs)
 Physical: drilling, stripping, trenching and associated assays
 Rehabilitation

Work Type Diamond drilling	Office Use
	Commodity
	Total \$ Value of Work Claimed 14,253
Date Work Performed From 21 05 1997 To 01 06 1997	NTS Reference
Global Positioning System Data (if available)	Mining Division Timmins
Township/Area Whitesides	Resident Geologist District Timmins
M or G-Plan Number G 3230	

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;
 - provide proper notice to surface rights holders before starting work;
 - complete and attach a Statement of Costs, form 0212;
 - provide a map showing contiguous mining lands that are linked for assigning work;
 - include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name Peter J. Vamos	Telephone Number (905) 689-6276
Address 19 Berry Hill Waterdown Ont L0R 2H4	Fax Number 690-2175
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number



4. Certification by Recorded Holder or Agent

I, Peter J. Vamos, do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent <i>Peter J. Vamos</i>	Date 25 March 98
Agent's Address 19 Berry Hill Avenue Waterdown Ont	Telephone Number (905) 689-6276
	Fax Number (905) 690-2175

Approved - June 28/98

6. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjacent) to the mining land where work was performed, at the time work was performed. A map showing the boundaries that must accompany this form.

FINAL REVISION #1 12865.00334

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list location.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Share Value of work to be distributed at a later date.
00	TB 7887	16 74	88,885	N/A	88,885
09	1234567	12	0	884,000	0
09	1234568	2	88,888	84,000	0
1	P 1193772	4	10,228 <i>PV</i>	8	5,600
2	1193773	6	10,355	0	4,000
3	1193774	4	9,470	8	1,200
4	1193769	4	14,204	0	0
5	1207586	14	8	5,600	8
6	1207587	10	8	4,000	0
7	1207590	3	8	1,200	0
8					
9					
10					
11					
12					
13					
14					
15					
Column Totals		44.25*	10,800	10,800	32,458 33453 <i>PK</i>

I, Peter J. Vavos, do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 890 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Mineral Holder or Agent Authorized to Sign: Peter J. Vavos Date: 25 March 98

Instructions for cutting back credits that are not approved
Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized in the attached Appendix or as follows (describe):

RECEIVED
MAR 30 1998
2:30
GEOSCIENCE ASSESSMENT OFFICE

RECEIVED
APR 03 1998
11:55
GEOSCIENCE ASSESSMENT OFFICE

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

RECEIVED
MAR 30 1998
2:30
GEOSCIENCE ASSESSMENT OFFICE

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit of work	Total Cost
Diamond drilling	\$ / m	\$ 53 90	37,786
Supervision + technical	S/day	\$ 300	3,550
Assays			967
Report		\$ 300	900
Drafting			200
Associated Costs (e.g. supplies, mobilization and demobilization).			
Transportation Costs			300
Food and Lodging Costs			\$ 550
Total Value of Assessment Work			\$ 44,253

RECEIVED
MAR 30 1998
2:30
GEOSCIENCE ASSESSMENT OFFICE

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK $\times 0.50 =$ Total \$ value of worked claimed.

Note:
- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, Peter J. Vamos (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Agent (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

Signature <u>Peter J. Vamos</u>	Date 25 March 98
------------------------------------	---------------------



Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9846
Fax: (705) 670-5881

June 8, 1998

JOHN PETER HUOT
36 MAPLE STREET, SOUTH
TIMMINS, ONTARIO
P4N-7H9

Visit our website at:
www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Dear Sir or Madam:

Submission Number: 2.18343

Status

Subject: Transaction Number(s): W9860.00334 **Deemed Approval**

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. **WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.**

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in **DUPLICATE** to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Bruce Gates by e-mail at gatesb2@epo.gov.on.ca or by telephone at (705) 670-5856.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Blair Kite".

ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Work Report Assessment Results

Submission Number: 2.18343

Date Correspondence Sent: June 08, 1998

Assessor: Bruce Gates

General Comment:

On future submissions for diamond drilling ensure the logs contain the following:
indicate the size of the core, or the diameter of the drill hole if bored other than by core drilling; and state the storage location of the core or drill sample material.

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9860.00334	1193772	WHITESIDES	Deemed Approval	June 03, 1998

Section:

16 Drilling PDRILL

Correspondence to:

Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):

Peter J. Vamos
WATERDOWN, ON

JOHN PETER HUOT
TIMMINS, ONTARIO

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
① DANA AND JOWSEY LAKES PARK RES. SEC. 36/80	W.66/83		S.R.O. M.R.O.	171506
② SEC. 43/70		FEB. 3/66	M. & S.R.	171506
③ SEC. 43/70		28/1/71	M. & S.R.	171506

④ MINING AND SURFACE RIGHTS WITHDRAWN FROM PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 35 OF THE MINING ACT R.S.O. 1990 ORDER NO. W-P 49/94 IER DATED 94-MAY-02

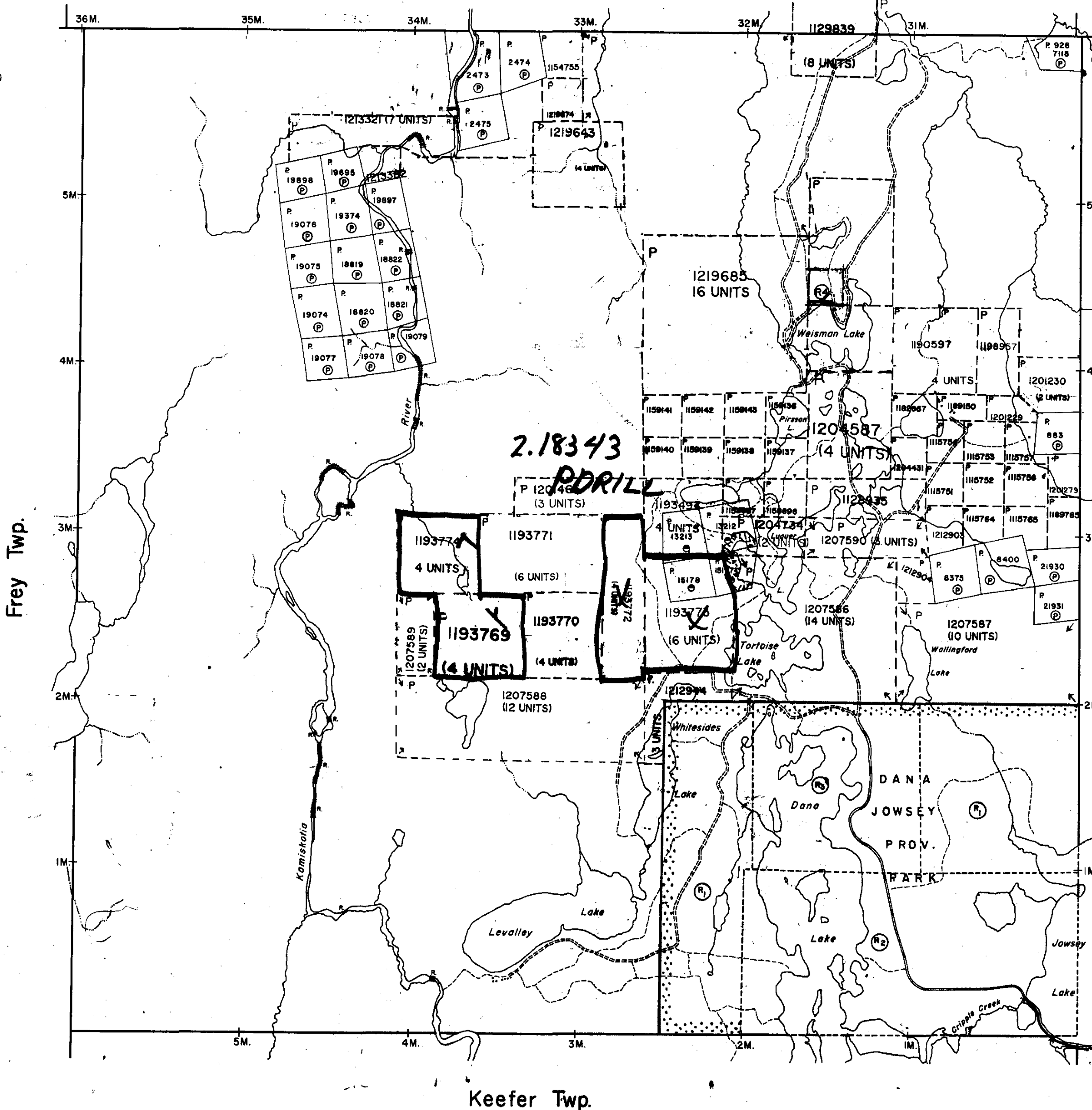
DATE OF ISSUE

JUN 03 1998

PROVINCIAL RECORDING
OFFICE - SUDBURY

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

Massey Twp.



LEGEND

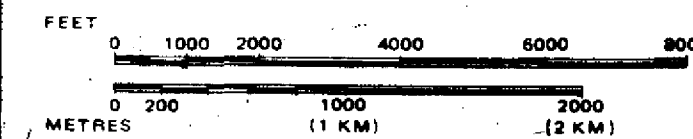
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
 - TOWNSHIPS, BASE LINES, ETC.
 - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
 - LOT LINES
 - PARCEL BOUNDARY
 - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	⊙ or ●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	⊙
LEASE, SURFACE & MINING RIGHTS	⊠
" SURFACE RIGHTS ONLY	⊡
" MINING RIGHTS ONLY	⊢
LICENCE OF OCCUPATION	⊣
ORDER-IN-COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊙
SAND & GRAVEL	⊙

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.

SCALE: 1 INCH = 40 CHAINS



TOWNSHIP

WHITESIDES

M.N.R. ADMINISTRATIVE DISTRICT

TIMMINS

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

COCHRANE



Ministry of Land
Natural Resources Management
Branch

Date FEBRUARY 1985

Number

ACTIVATED JUNE 30, 1992
BY D.C.

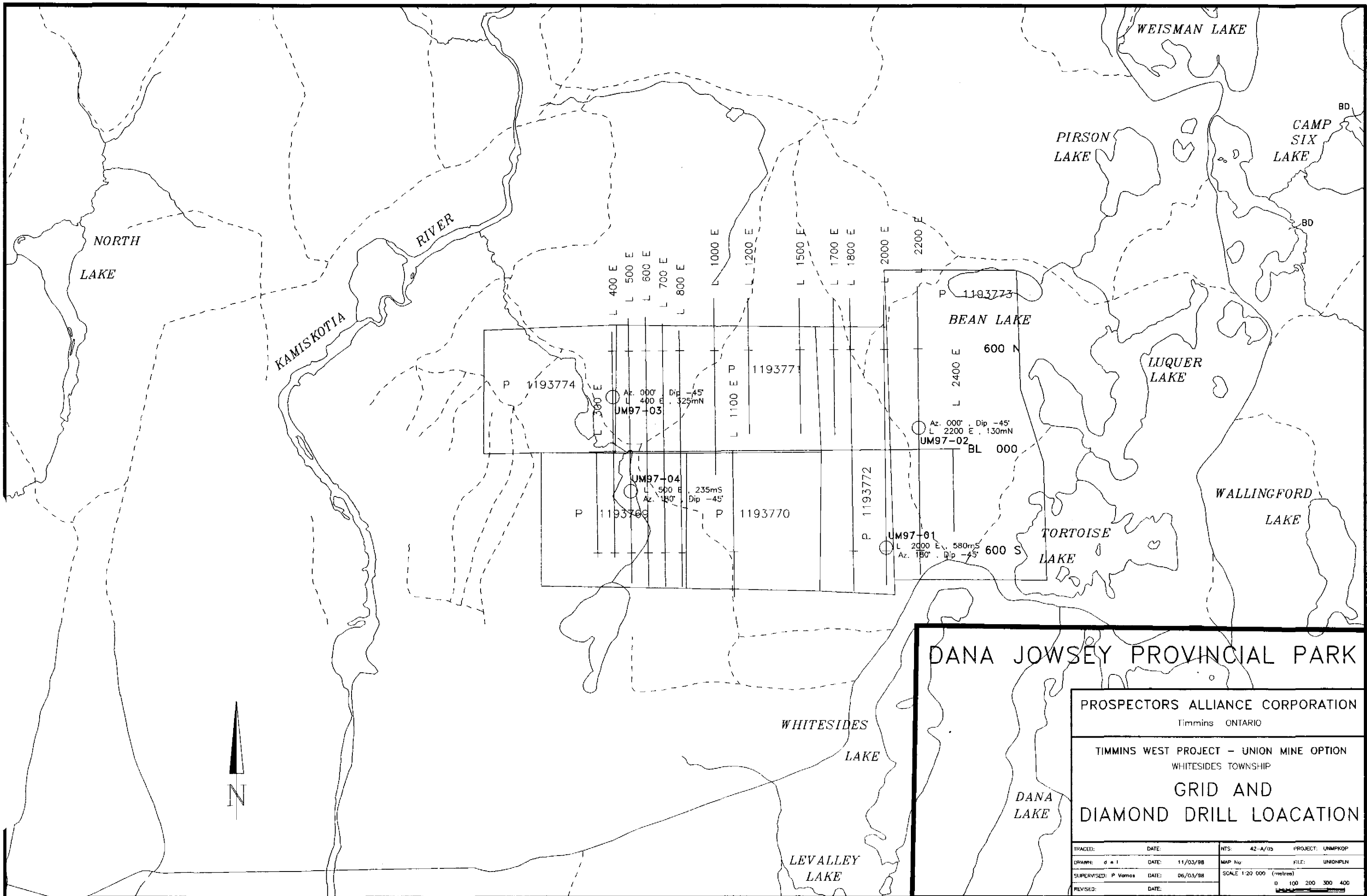
G-3230





42A05N2006 2.18343 WHITESIDES

210



DANA JOWSEY PROVINCIAL PARK

PROSPECTORS ALLIANCE CORPORATION
Timmins ONTARIO

TIMMINS WEST PROJECT - UNION MINE OPTION
WHITESIDES TOWNSHIP

GRID AND DIAMOND DRILL LOCATION

TRACED:	DATE:	NTS:	42-A/05	PROJECT:	UMPKOP
DRAWN:	d * l	DATE:	11/03/98	MAP No:	FILE:
SUPERVISED:	P Vomas	DATE:	06/03/98	SCALE:	1:20 000 (metres)
REVISED:	DATE:	0 100 200 300 400			



42A05NW2006 2.18343 WHITESIDES 220



TORTOISE LAKE

UM97-01
 L 2000 E, 580mS
 Az. 180°, Dip -45°

- Mafic Intrusive
- Sediments (Mudstone)
- Banded Sediments
- Sediments
- Aplitic Dyke
- Aplitic Dyke
- Intrusive (Polka Dot Gaboro)
- Mafic Intrusive

160.00m.

PROSPECTORS ALLIANCE CORPORATION			
Timmins ONTARIO			
TIMMINS WEST PROJECT - UNION MINE OPTION			
WHITESIDES TOWNSHIP			
DIAMOND DRILL PLAN			
UM97-01			
LOGGED: P Vamos	DATE: 05/97	NIS: 42-A/05	PROJECT: UNMOPTION
DRAWN: d e l	DATE: 19/03/98	MAP No:	FILE: UNMPLN1
SUPERVISED: P Vamos	DATE: 06/03/98	SCALE 1:5 000 (metres)	
REVISED:	DATE:	0 40 80 120 160	



42A05NW2006 2.18343 WHITESIDES 230

L 1200 E

L 1500 E

L 1700 E

L 1800 E

L 2000 E

L 2200 E

L 2400 E

P 1193771

P 1193770

P 1193772

P 1193773

BL 000

600 S

- Mafic Intrusive
- Felsic Intrusive
- Mafic Intrusive
- Felsic Intrusive
- Mafic Intrusive
- Sediments
- Felsic Intrusive
- Sediments
- Mafic Intrusive
- Sedimental
- Mafic Intrusive
- Sediments and Volcanic Sediments
- Mafic Intrusive

UM97-02
L 2200 E, 130mN
Az. 000°, Dip -45°

164.00m



TORTOISE
LAKE

PROSPECTORS ALLIANCE CORPORATION
Timmins ONTARIO

TIMMINS WEST PROJECT - UNION MINE OPTION
WHITESIDES TOWNSHIP

DIAMOND DRILL PLAN
UM97-02

LOGGED: P Vamos	DATE: 05/97	NTS: 42-4/05	PROJECT: UNMOPTION
DRAWN: d e i	DATE: 15/03/98	MAP No:	FILE: UNMPLN1
SUPERVISED: P Vamos	DATE: 06/03/98	SCALE 1:5 000 (metres)	
REVISED:	DATE:	0 40 80 120 160	



240

42A05NW2006 2.16343 WHITESIDES



600 N

L 400 E

L 500 E

L 600 E

L 700 E

L 800 E

L 1000 E

L 1200 E

L 1500 E

P 1193774

P 1193771

150.00m

Basic Intrusive
Sediments
Basic Intrusive
Sediments
Basic Intrusive
Sediments

UM97-03
L 400 E, 325mN
Az. 000°, Dip -45°

L 300 E

L 1100 E

BL 000

P 1193769

P 1193770

600 S

PROSPECTORS ALLIANCE CORPORATION

Timmins ONTARIO

TIMMINS WEST PROJECT - UNION MINE OPTION
WHITESIDES TOWNSHIP

DIAMOND DRILL PLAN
UM97-03

LOGGED: P Vinos	DATE: 05/97	NFS: 42-A/06	PROJECT: UNMOPTION
DRAWN: d e l	DATE: 18/03/98	MAP No:	FILE: UNMPLN2
SUPERVISED: P Vinos	DATE: 04/03/98	SCALE 1:5 000 (metres)	
REVISED:	DATE:		

600 N

L 400 E

L 500 E

L 600 E

L 700 E

L 800 E

L 1000 E

L 1200 E

L 1500 E

P 1193771

P 1193774

L 300 E

L 1100 E

BL 000

P 1193770

P 1193769

UM97-04

L 500 E, 235mS
Az. 180°, Dip -45°

225.00m

- Feldspar Porphyry
- Volcanic, Intermediate, Fragmental
- Feldspar Porphyry
- Volcanic, Fragmental
- Granitoid Dyke
- Feldspar Porphyry
- Volcanics, Fragmental
- Silicified Section
- Banded Sediments
- Silicified Feldspatic Section
- Banded Sediments
- Raughy Feldspatic Section with fragments of volcanics
- Mafic Volcanics (Shear Zone)
- Intermediate Volcanic
- Mafic Volcanic (Shear Zone)
- Mafic Volcanic without shearing

PROSPECTORS ALLIANCE CORPORATION

Timmins ONTARIO

TIMMINS WEST PROJECT - UNION MINE OPTION
WHITESIDES TOWNSHIP

DIAMOND DRILL PLAN
UM97-04

LOGGED: P Vamos	DATE: 05/97	NTS: 42-A/05	PROJECT: UNMOPTION
DRAWN: d e l	DATE: 12/03/98	MAP No:	FILE: UMPLH2
SUPERVISED: P Vamos	DATE: 06/03/98	SCALE 1:5 000 (metres)	
REVISED:	DATE:	0 40 80 120 160	



250

WHITESIDES

2.18343

42A05N2006

