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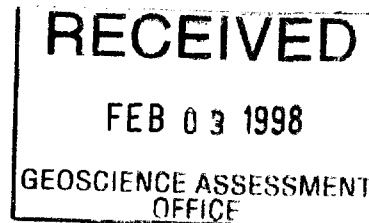
**RESULTS OF PHASE 1 EXPLORATION
WHITNEY LAKE CU-NI PROPERTY
N.E. ONTARIO**

**N.T.S. 31M/04
Latitude 47° 15' North
Longitude 79° 45' West**

for

**AG ARMENO MINES and MINERALS INC.
Suite 1850-609 GRANVILLE STREET
VANCOUVER, BRITISH COLUMBIA
V7Y 1G5**

by



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**January 10, 1998
London, Ontario, Canada
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SUMMARY

In March 1997 AG ARMENO MINES and MINERALS INC. acquired an option to earn a 100% interest in several claim blocks in the Temagami area of northeastern Ontario. The claims cover a unit of Archean age felsic and mafic volcanic rocks in contact with Proterozoic age metasediments. The volcanic rocks have been intruded by a sill with a gabbro/ultramafic composition. Near the base of this sill is a semi-continuous layer of magmatic segregation-type nickel-copper mineralization in a zone up to 15 m wide. In the past, select sampling of this zone returned assay values of up to 1.30 oz/t Au and 0.89% Ni over 1.98 m. Anomalous platinum and palladium was also noted, and values of up to 2.66% Cu, 0.157% Co, 1.63% Ni, 1.56 oz/t Ag, 0.034 oz/t Au, 0.059 oz/t Pt and 0.323 oz/t Pd. in an area of similar geology 5 km to the south.

In November 1997 a Phase 1 exploration program was implemented to test the property for the extent and grade of the Cu-Ni mineralization. This program consisted of a compilation of available geophysical, geochemical, geological and topographic data. Based on a synthesis of this data, a grid totalling 27.00 line-km was cut over the north half of the Whitney Lake property to cover the mafic/ultramafic sill. A ground-based MaxMin EM survey and magnetometer geophysical survey were conducted over this grid. The Deiter Lake Occurrence and the Occurrence #8 trenches were power stripped using an excavator and the exposed bedrock was sampled and mapped. The results of the geophysical surveys showed a semi-continuous conductor extending from the west side of the grid through to the east side for a distance of 2000 m. It shows the two strongest zones, Conductors 'A' and 'B' overlying the Occurrence # 8 and Deiter Lake Occurrence respectively. Weaker conductors extend between and on either side of these two showings, suggesting a single continuous horizon near the base of the sill. Conductors 'A' and 'B' have associated positive magnetic anomalies. A broad magnetic high in the northeast corner of the property is probably due to magnetite in Proterozoic sediments. A broad high north and northwest of Deiter Lake is likely due to weak finely disseminated sulphide mineralization too weak to show as a single EM conductor. The sharp magnetic gradient associated with Conductor 'C' on the S side of this feature underlies Deiter Lake and is probably due to a fault. A linear magnetic high occurs at the W end of Whitney Lake. It may be due to magnetite filling a fault structure or may be due to a lens of disseminated sulphide mineralization in the felsic volcanics which occur here. Trench sampling of the Deiter Lake Occurrence in 1997 showed massive pyrrhotite mineralization containing 0.3 to 0.5 % Ni and 0.1 to 0.3% Cu over a maximum width of 14.0 m.. Only

background to weakly anomalous gold and platinum-palladium were noted. Occurrence #8 showed sulphide mineralization totalling a maximum of 11.0 m from two parallel zones. Mineralization here was discontinuous and Ni and Cu values ranged from 0.1 to 0.3%. These two showings have already been thoroughly tested and it is unlikely that grade or widths of mineralization would improve with depth. It is proposed that a Phase 2 program be implemented to examine the Whitney Lake property for economic grades of base and precious metals related to both magmatic segregation and VMS-type mineralization. This program would consist of the diamond drilling of two holes totalling 160 m, to test the EM/magnetic anomaly under Deiter Lake and to test the magnetic anomaly west of Whitney Lake. The cost of this Phase 2 program is \$25,000. Further work would depend on the results of this program.

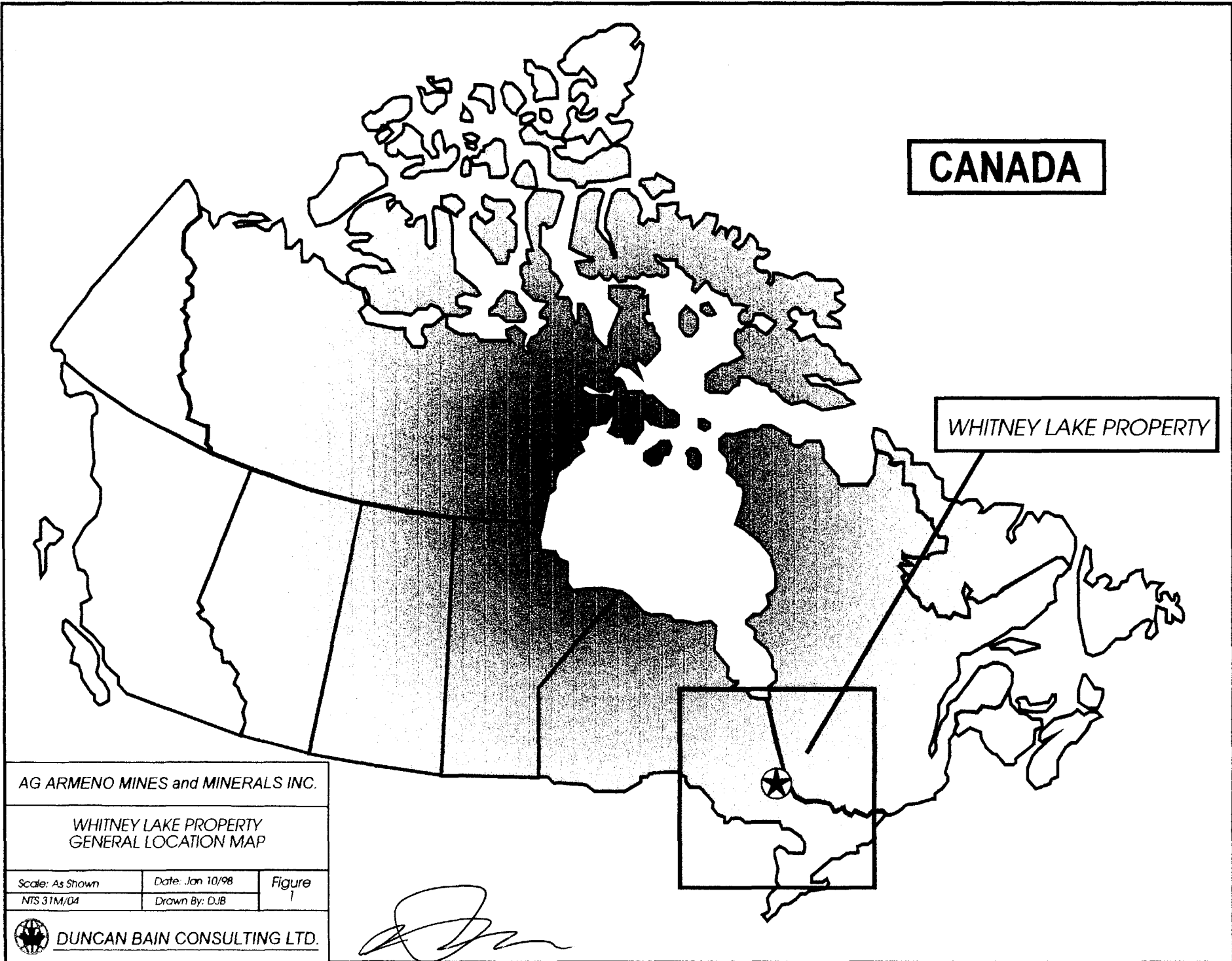
INTRODUCTION

In September 1996 part of the Temagami area previously restricted from mining and logging activities came open for staking. A government geology report mentioned "numerous Copper-Nickel-PGE occurrences, showings and deposits documented in the Temagami area of northeastern Ontario". The report referred to the Gillies South Township area as one of the targets recommended for exploration. Eighteen claim units were staked to cover copper-nickel showings during the staking rush that followed the opening of the area.

LOCATION AND DISPOSITION OF PROPERTY

The **WHITNEY LAKE** project is located in south Gillies Limit Township, 10 kilometres north of the village of Temagami, Ontario (Figure 1,2) and directly west of Rib Lake. Access is along Hwy. 11 and by secondary roads originating from Highway 11. A rail line runs along the west side of Rib Lake, which is the eastern boundary of the property. Trans Canada Pipeline has blasted a north-south corridor through the property and between Hwy. 11 and Rib Lake. Blasting also occurred along the Hwy. 11 corridor. Both have produced new rock exposures.

In March 1997 **AG ARMENO MINES and MINERALS INC.** of Vancouver, British Columbia acquired an option to earn a 100% interest in the **WHITNEY LAKE** property from Gino Chitaroni and Raven Resources Inc. (Figure 3). Claim data for the project is found on Table 1. Staking of the claims was recorded between September 20, 1996 and March 3, 1997. The current Anniversary Date for filing of Assessment Work is from September




CANADA

WHITNEY LAKE PROPERTY

AG ARMENO MINES and MINERALS INC.

WHITNEY LAKE PROPERTY
GENERAL LOCATION MAP

Scale: As Shown	Date: Jan 10/98	Figure 1
NTS 31M/04	Drawn By: D.J.B.	

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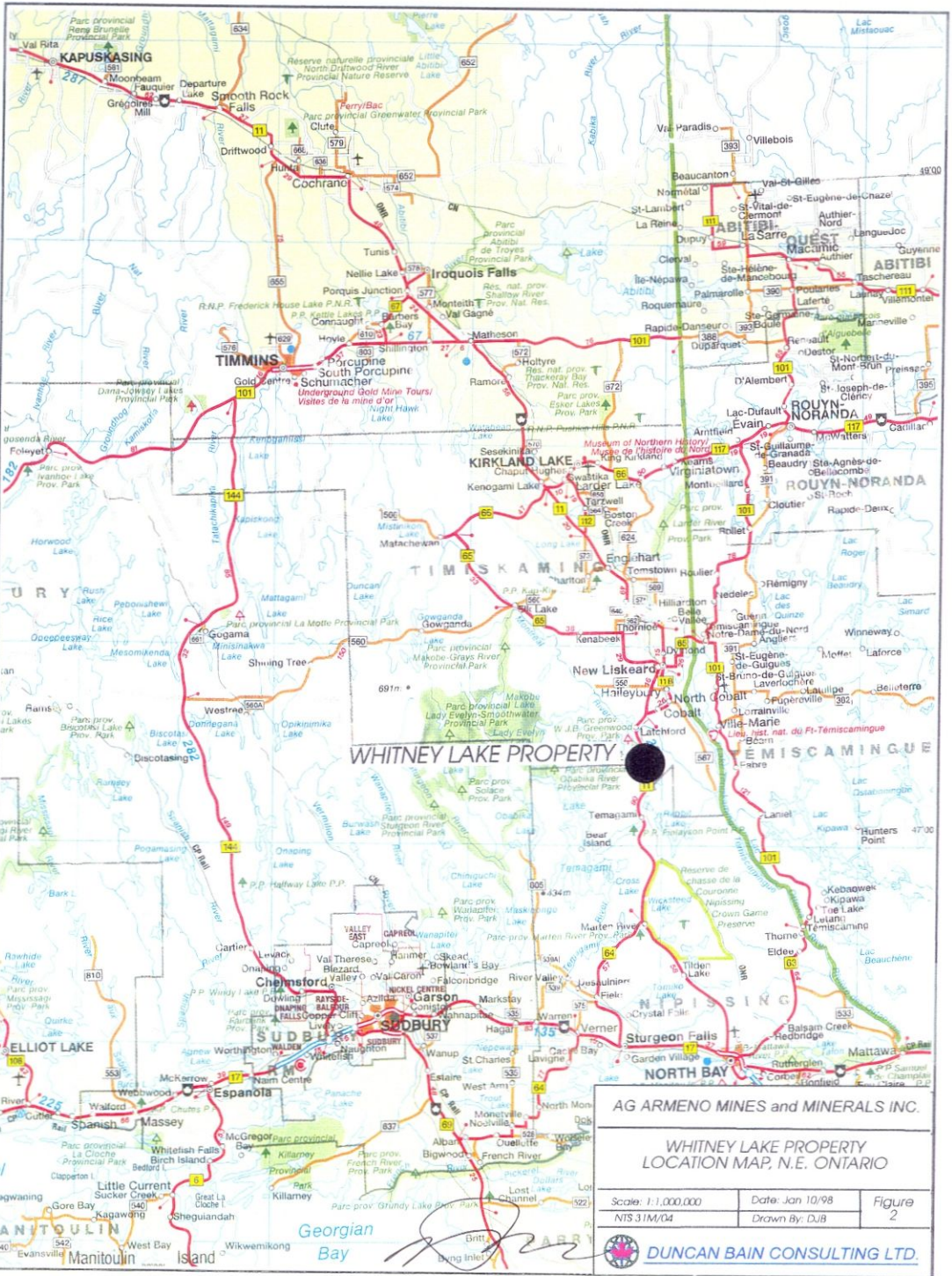


TABLE 1 - AG ARMENO MINING and MINERALS INC.
WHITNEY LAKE PROPERTY CLAIM DATA

*** note all claims are in South Gillies Limit Twp.

UNITS UNPATENTED	AREA (ha)	LICENSE#	RECORDING DATE	ANNIVERSARY DATE
1	16	1212364	16/10/96	16/10/98
11	176	1212365	16/10/96	16/10/98
13	208	1220145	16/10/96	16/10/98
8	128	1220146	16/10/96	16/10/98
4	64	1219938	23/09/96	23/09/98
1	16	1219926	25/09/96	25/09/98
1	16	1219933	25/09/96	25/09/98
4	64	1202750	23/09/96	23/09/98
4	64	1206387	25/09/96	25/09/98
4	64	1220134	25/09/96	25/09/98
5	80	1220136	25/09/96	25/09/98
2	32	1219940	31/10/96	31/10/98
1	16	1212329	5/03/97	5/03/99
4	64	1230637	5/03/97	5/03/99
3	48	1230634	5/03/97	5/03/99
6	96	1220147	13/02/97	13/02/99
2	32	1230627	13/02/97	13/02/99
1	16	1230628	13/02/97	13/02/99
75	1200	TOTAL		

23, 1998 to March 5, 1999. To maintain these claims in good standing after the Anniversary Date, Exploration Work or Cash in Lieu of Work must be filed at a rate of \$400 per claim unit. The total Exploration Expenditure required to maintain these claim blocks in good standing after the Anniversary Date is \$30,000 per year. Assessment Work totalling \$26,500 has been filed on this property, based on the Phase 1 program reported below. An additional \$3,500 of Assessment Work is required to maintain the property in good standing for another year from the Anniversary Dates noted in Table 1. The legal status of the claims or their owners is beyond the scope of this report.

PHYSIOGRAPHY

The terrain is typical of the Canadian Shield, scoured by glacial activity to produce a region of relatively low relief with numerous lakes, rivers and low-lying muskeg and overburden filled areas which often outline faults and rocks less resistant to weathering. The property is at an elevation of approximately 300 m A.S.L. Slopes are low to moderate. The region is well-covered with spruce, pine, alder and birch trees. The area has been part of the Temagami Land Reserve since the early 1970s and has been restricted from logging until it came open in September 1996. The Temagami area is a popular recreational area for skiing and snowmobiling during the winter, and for canoeing during the summer. Any exploration carried out here must be sensitive to these activities. There is ample water from lakes on the property to support exploration and development work. A series of secondary roads and trails, including the pipeline corridor road, makes vehicle provides access to much of the area. Exploration can be carried out on a year-round basis. The property is snow-free from May to October for a 6 month summer

exploration season. Diamond drilling and ground geophysics can be carried out on a year-round basis but may be more convenient in the winter when the ground and lakes are frozen.

HISTORY OF EXPLORATION

The area around Temagami, which includes Whitney Lake, was mapped by Savage (1932) and by Moorhouse (1942). No detailed work was done on the Whitney Lake area itself until 1968, when Thomson (1968) mapped the Hwy. 11 corridor in north Best Township and in south Gillies Limit Township. Most of the exploration activity was concentrated south of Gillies Limit Township, although minor prospecting has been done as indicated by the discovery of several Ni-Cu occurrences in the area (Figure 4,5).

Most of the past exploration work has been concentrated on the Deiter Lake Occurrence and the Occurrence # 8. Occurrence # 8 is a sulphide-bearing shear within volcanic rocks on claim T.1206387 (Figure 3, 5). Drilling was carried out in 5 holes east of Highway 11, across from Rory Lake by Rib Lake Copper Mines Ltd. on Occurrence # 8. Drillhole # 4 contained a 5 ft section (72'-77') of gabbro tuff with 5-10% pyrrhotite and minor pyrite, which assayed (by spectrographic analysis) 0.20 oz/t Au and 0.99% Ni. A second zone from the same hole from 125'-131', of slightly siliceous tuff with minor pyrite assayed 1.30 oz/t Au and 0.89% Ni over 6.5 ft (by spectrographic analysis). The Deiter Lake Occurrence has probably been known since the 1940s. Around 1955 sulphide boulders carrying copper and nickel were discovered by N. Montgomery approximately

100 m east of Deiter Lake. As ice movement in the region was from north to south it is assumed that the source for the boulders was to the north. In 1956 Coniagas Mines Ltd. carried out a magnetometer survey in the area of the mineralized boulders. The results showed a 200 m long linear high extending W from the area of the boulder showing. A second parallel linear high lies approximately 100 m north of the first magnetic high. Both are suggested to be zones of massive pyrrhotite. Five holes were drilled the same year. This work showed bedrock of gabbro, tuff and diorite, with 1 to 4% disseminated pyrite-pyrrhotite. Best assay was 0.51% Ni over 5 inches. A magnetometer survey carried out by Hopkins in 1957 (Hopkins, 1957) showed a broad magnetic high (his Anomaly 'A') extending for approximately 600 m with an E-W trend and overlying Deiter Lake. The core of this anomaly lies directly over Deiter Lake. This anomaly is suggested to be an E-W fault and appear to be cut off at the east end by N-S faulting. A second narrow magnetic high (his Anomaly 'B') lies north of Anomaly 'A'. It appears to extend east past the N-S faulting but shows a magnetic pattern suggesting that S-shaped folding has occurred after emplacement of the source of the magnetic high. An EM survey conducted in 1958 (Hopkins, 1958a) shows several weak to strong conductors. Many of these lie with a northeast trend, crosscutting the magnetic anomaly associated with Deiter Lake. However, Hopkins' EM anomalies 1, 2, 3 and 4 trend E-W and lie at the east end of Deiter Lake and north of the east end of the lake. The strongest of these is Hopkins' Anomaly 2, which is approximately 200 m in length and lies 100 m N and NE of the east end of the lake. The source of the mineralized boulders reported by N. Montgomery probably from one of these conductors. Hopkins' geological map shows trenches over the east end of

his EM Anomaly 2, and these are suggested to have been done by Coniagas. Between 1959 and 1968 several companies including Crowpat Minerals and Nickel Rim Mines investigated the area around the mineralized boulders and the trenches. Crowpat carried out diamond drilling north of the current northern property boundary, west of the highway but encountered no significant mineralization. C.H. Niemetz staked the area east of the highway and north of Whitney Lake and drilled four holes. No assay values are reported. In 1963 Nickel Rim Mines Ltd. acquired an option from C.H. Niemetz on claims covering the Deiter Lake Occurrence and carried out a magnetic survey over the property, which covers approximately the same position as the current AG Armeno property. The survey shows a narrow magnetic high trending E-W, suggesting a lens or dyke of magnetic mafic rocks east of Highway 11 and north of Whitney Lake. A smaller pod-shaped anomaly suggests a smaller lens of similar composition. A large high with an abrupt western boundary lies approximately 200 m east of the highway. This probably represents magnetite-bearing Coleman Formation conglomerate (the base of the Gowganda Formation). As with the Hopkins magnetic surveys, a broad magnetic high lies over Deiter Lake. A 200 m long magnetic high lies NE of Deiter Lake in the area of the Coniagas trenches. A narrow magnetic high 600 m in length trends E-W approximately 80 m N of the trench anomaly, similar to that noted by Hopkins. A self-potential survey carried out by Nickel Rim showed a very broad anomaly in the northeast quarter of the property, suggesting a large area of disseminated sulphides and graphite associated with the volcanic bedrock. The self-potential survey shows an E-W trending anomaly, approximately 60 to 80 m N of Deiter Lake for a length of 600 to 800 m. Nickel Rim

drilled holes NR-1 to NR-5 and NR-8 on Occurrence # 8 east of Highway 11 in late 1963. NR-6 and 7 were drilled at the SW end of Rory Lake and NR-9 was drilled at the S end of Whitney Lake east of the highway. A 1.6 ft sample from NR-3, from 203.5 to 205.1 ft contained massive pyrite, pyrrhotite and chalcopyrite and assayed 2.8 oz/t Ag, 0.32% Cu and 1.18% Ni. Additional drilling was carried out between here and Deiter Lake between 1964 and 1972. Numerous drillcore samples containing between 1% and 15% pyrite, pyrrhotite and chalcopyrite were noted. These generally averaged 0.3 to 0.5% Cu and 0.3 to 0.5% Ni over 2 to 6 feet in gabbroic rocks. The Deiter Lake Occurrence and Occurrence # 8 were re-trenched by Nickel Rim in 1972. Select rock samples of massive sulphide material in peridotite returned assay values of up to 0.61% Cu and 0.58% Ni. No further work is reported until 1993 when Target Geological Services sampled the Occurrence # 8 showing. Samples assayed up to 2020 ppm Cu, 5600 ppm Ni, and 315 ppb palladium.

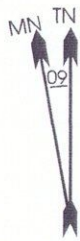
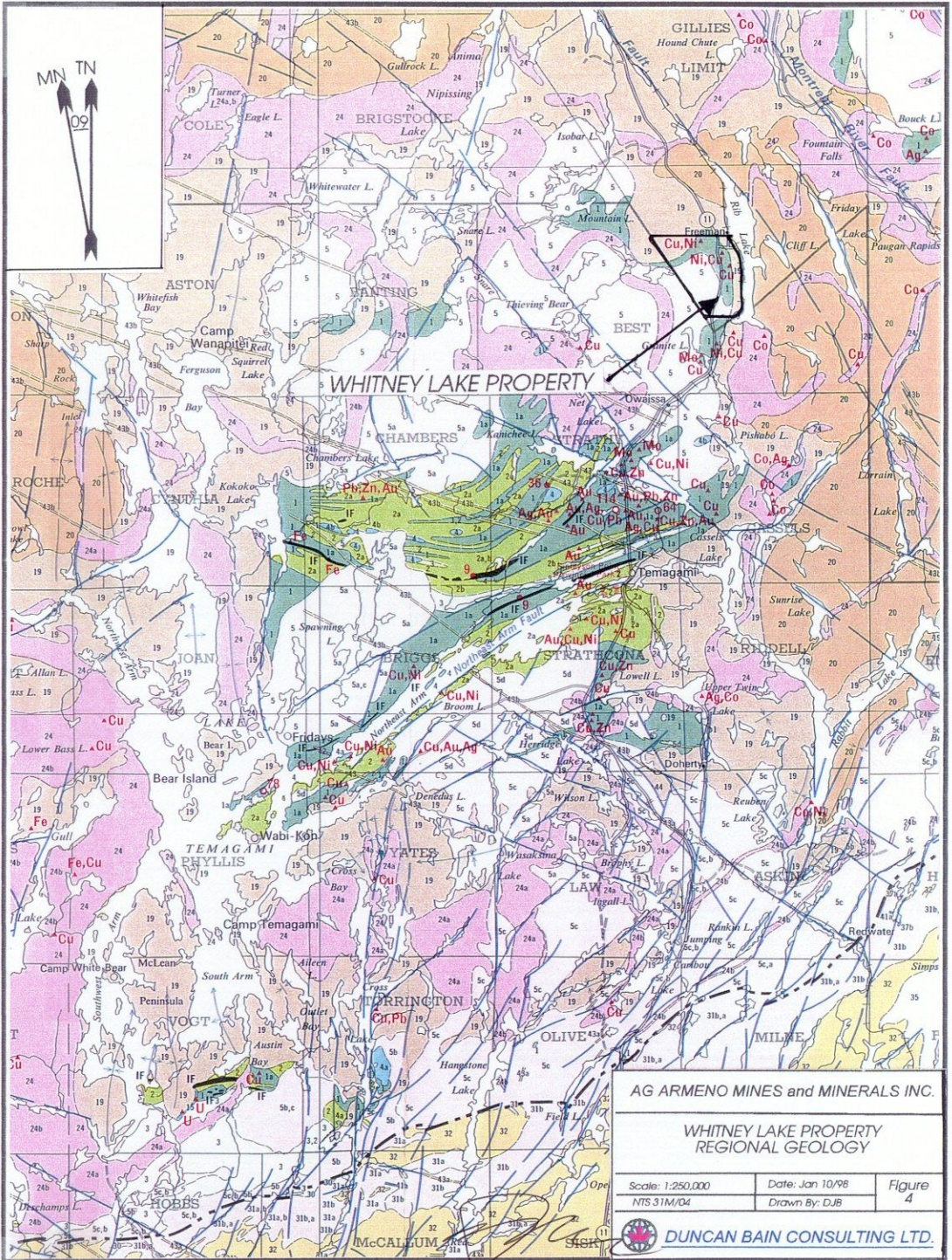
The exploration and mining activity south of Gillies Limit Township discovered Ni-Cu-PGE at the Cuniptau mine (Kanichee Mining Inc.) and Au-Ag-Cu at the Big Dan and Little Dan mines (Bennett, 1978). These are both hosted by the Temagami Greenstone Belt, which is the same greenstone belt as that covered by the Whitney Lake claims. The area around Whitney Lake was included in the Temagami Land Caution in 1973. No further industry work has been since that time until 1996. However, the caution was lifted from Best, Strathy and Cassels townships in 1992. Gino Chitaroni holds ground directly south of Rib Lake, south of Granite Lake in Best Township. A grid has been cut there and a MaxMin

and magnetic geophysical survey has been carried out. A copper-nickel-PGE occurrence is found on this property. Select samples of massive sulphides at the site were assayed and range up to 2.66% Cu, 0.157% Co, 1.63% Ni, 1.56 oz/t Ag, 0.034 oz/t Au, 0.059 oz/t Pt and 0.323 oz/t Pd. The Temagami Land Caution became open for logging and mineral exploration in mid-September 1996. Gino Chitaroni and Raven Resources Inc. staked the Whitney Lake claims during the ensuing staking rush. Moss Resources sampled Occurrence # 8 in 1996 and returned up to 1350 ppb Au, 100 ppm (1 gram/tonne) Ag, > 10,000 ppm (>1.00%) Cu and up to 3250 ppm Ni.

AG ARMENO MINES and MINERALS INC. acquired an option on the **WHITNEY LAKE** property in March 1997. In the fall of 1997 Blackstone Development Inc. sampled the Deiter Lake Occurrence and the Occurrence # 8. On Occurrence # 8 assays ranged up to 0.55% Co, 0.258% Cu and 0.487 % Ni from select samples. Sampling of the Deiter Lake Occurrence returned up to 0.172% Cu and up to 0.382% Ni (Figure 6).

GEOLOGY

The **WHITNEY LAKE property** is underlain by rocks of the Abitibi subprovince of the Superior Structural Province of the Canadian Shield (Figure 4). More locally the Whitney Lake area is probably a small extension of the Temagami Greenstone Belt which occurs approximately 6 km to the southwest. The northwest quarter of the property (north of Whitney Lake and west of Highway 11) was originally mapped in 1958 as mainly Gabbro Group rocks, which included basalt porphyry, quartz diorite, diorite, basalt, hornblendite



WHITNEY LAKE PROPERTY

AG ARMENO MINES and MINERALS INC.

WHITNEY LAKE PROPERTY REGIONAL GEOLOGY

Scale: 1:250,000 Date: Jan 10/98 Figure 4
 NTS 31M/04 Drawn By: DJB

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UNCONFORMITY, INTRUSIVE CONTACT

EARLY PRECAMBRIAN

FELSIC INTRUSIVE AND METAMORPHIC ROCKS

- 5 Unsubdivided granitic and migmatitic rocks.
- 5a Quartz monzonite, granite, granodiorite, trondhjemite, syenite and minor pegmatite and aplite.
- 5b Predominantly migmatitic metavolcanics and metasedimentary rocks.
- 5c Trondhjemite, granodiorite, and minor quartz monzonite and quartz diorite.
- 5d Felsite, quartz and feldspar porphyry, trondhjemite, granodiorite.

INTRUSIVE CONTACT
MAFIC AND ULTRAMAFIC INTRUSIVE ROCKS

- 4 Unsubdivided.
- 4a Quartz diorite, diorite, gabbro.
- 4b Pyroxenite, peridotite, dunite, serpentinite.
- 4c Lamprophyre, carbonatite dikes and intrusive breccia k.

INTRUSIVE CONTACT
METASEDIMENTS

- 3 Greywacke, siltstone, chert, and arkose with minor metavolcanic rocks, and derived migmatites.

METAVOLCANICS
FELSIC TO INTERMEDIATE METAVOLCANICS

- 2 Unsubdivided.
- 2a Rhyolite, dacite flows with minor felsic intrusions and felsic pyroclastics.
- 2b Felsic to intermediate pyroclastics—tuff, breccia, and agglomerate—with minor flows, metasediments and intrusive rocks, and derived migmatites.

MAFIC TO INTERMEDIATE METAVOLCANICS

- 1 Unsubdivided.
- 1a Basalt and andesite flows with minor mafic pyroclastics and mafic intrusions.
- 1b Interflow metasediments and mafic pyroclastics.

- IF Iron formation and ferruginous chert (associated with units 3, 32, 33, 34, 35).

^aOnly the thickest, most extensive Cenozoic deposits in which bedrock outcrops are absent or scarce are shown as coded, uncoloured areas.

^bSome may be of Phanerozoic age.

^cMultiple ages represented. Minor amounts of anorthosite suite rocks occur in the Southern Province.

^dSome of these rocks near the Grenville Front Boundary Fault in Rutherford, Killarney, Carlyle, Goschen, Sale, and Bevin Townships are of Late Precambrian age.

^eProbably approximately equivalent in age to the Huronian Supergroup.

^fProbably equivalent in age to Nipissing Diabase.

^gCreighton and Murray plutons.

^hThe Huronian rocks are weakly to moderately metamorphosed, but as original lithological characteristics are generally well preserved, sedimentary rock designations are used.

ⁱThe volcanic formations are time stratigraphically equivalent to parts of the Matinenda and McKim Formations and in part to each other.

^kToo small to be shown at map scale.

HURONIAN SUPERGROUP^h

COBALT GROUP

BAR RIVER FORMATION

- 22 Quartz sandstone, hematitic siltstone, and sandstone.

GORDON LAKE FORMATION

- 21 Siltstone, argillite, sandstone.

LORRAIN FORMATION

- 20 Quartz sandstone, micaceous and aluminous quartz sandstone, quartz-feldspar sandstone, and minor conglomerate, and siltstone.

GOWGANDA FORMATION

- 19 Conglomerate, sandstone, siltstone, and argillite.

QUIRKE LAKE GROUP

SERPENT FORMATION

- 18 Quartz-feldspar sandstone with minor siltstone, calcareous siltstone, and conglomerate.

ESPANOLA FORMATION

- 17 Limestone, dolostone, siltstone, and sandstone.

BRUCE FORMATION

- 16 Conglomerate with minor sandstone and siltstone.

HOUGH LAKE GROUP

MISSISSAGI FORMATION

- 15 Quartz-feldspar sandstone with minor siltstone, argillite, and conglomerate.

PECORS FORMATION

- 14 Siltstone, argillite, and greywacke with minor quartz-feldspar sandstone.

RAMSAY LAKE FORMATION

- 13 Conglomerate with minor sandstone and siltstone.

ELLIOT LAKE GROUP

McKIM FORMATION

- 12 Siltstone, greywacke, and argillite with minor quartz-feldspar sandstone.

MATINENDA FORMATION

- 11 Quartz-feldspar sandstone with minor conglomerate and siltstone.

VOLCANIC ROCKS^j

SALMAY LAKE FORMATION

- 10 Mafic metavolcanics with minor intermediate and felsic metavolcanics, mafic intrusions and intercalated metasediments.

COPPER CLIFF FORMATION

- 9 Felsic and intermediate metavolcanics with minor felsic intrusions and intercalated metasediments.

STOBIE FORMATION

- 8 Mafic metavolcanics and intrusions with abundant intercalated metasediments including greywacke, siltstone, pyritic metasediments and quartz-feldspar sandstone.

ELSIE MOUNTAIN FORMATION

- 7 Mafic metavolcanics and intrusions with minor intercalated metasediments and felsic pyroclastics and felsic intrusions.

MAFIC INTRUSIVE ROCKS

- 6 Unsubdivided.
- 6a Gabbro, anorthositic gabbro, gabbroic anorthosite and metamorphosed equivalents.
- 6b Metagabbro and porphyritic metagabbro dikes.

INTRUSIVE CONTACT

GRENVILLE PROVINCE

HIGH RANK REGIONAL METAMORPHISM

METAMORPHOSED MAFIC INTRUSIVE ROCKS

- 41 Unsubdivided.
- 41a Metamorphosed diabase and gabbro.
- 41b Metamorphosed ultramafic rocks.

METAMORPHOSED ALKALIC INTRUSIVE ROCKS

- 40a Gneissic alkalic syenite.
- 40b Gneissic nepheline syenite.

FELSIC INTRUSIVE ROCKS

- 39 Quartz monzonite, minor granodiorite and derived gneisses.

ANORTHOSITE SUITE INTRUSIVE ROCKS^e

- 38a Anorthosite, gabbroic anorthosite and derived gneisses.
- 38b Gabbroic anorthosite, anorthositic gabbro, minor gabbro, diorite, and ultramafic rocks and derived gneisses.
- 38c Tonalite, diorite, and derived gneisses.
- 38d Pink and green monzonitic rocks, sodic and alkalic syenites, quartz syenite, minor quartz monzonite, and derived gneisses.
- 38e Quartz monzonite, minor quartz syenite, and derived gneisses.

MIDDLE AND LATE PRECAMBRIAN

MAFIC AND ULTRAMAFIC INTRUSIVE ROCKS^f

- 37 Unsubdivided.
- 37a Gneissic gabbro, diorite, and amphibolite.
- 37b Metamorphosed ultramafic intrusive rocks.
- 37c Gneissic metagabbro—probably equivalent to Nipissing Diabase of the Southern Province.

MIDDLE PRECAMBRIAN

FELSIC INTRUSIVE ROCKS^d

- 36 Unsubdivided, in part gneissic equivalent of unit 28.
- 36a Gneissic quartz monzonite and minor granodiorite and granite.
- 36b Gneissic trondhjemite and granodiorite.

INTRUSIVE CONTACT

METASEDIMENTS^g

- 35 Biotite gneiss derived from greywacke, siltstone, immature sandstone and minor calcareous siltstone and sandstone.
- 35a Biotite gneiss containing numerous thin beds of feldspathic gneiss (33b), muscovitic and quartzose gneiss (33a) and sills and dikes of gneissic gabbro (37c).

- 34a Calcitic and dolomitic marble with minor interlayered calc-silicate gneiss.
- 34b Calc-silicate gneiss derived from calcareous sandstone and siltstone.

- 33 Unsubdivided quartzo-feldspathic gneiss.
- 33a Muscovitic and quartzose gneiss derived from orthoquartzite, subarkose, and aluminous claystone.
- 33b Feldspathic gneiss derived from arkose, subarkose, and ferruginous arkose with minor interlayered calc-silicate gneiss (34b) and immature metasandstone.

- 32 Gneissic coarse clastic metasediments derived from pebbly to bouldery coarse-grained greywacke, immature sandstone, arkose, and minor conglomerate.

EARLY PRECAMBRIAN

FELSIC INTRUSIVE ROCKS

- 31a Gneissic quartz monzonite and minor gneissic granodiorite.
- 31b Gneissic trondhjemite, granodiorite, and minor quartz monzonite.

METASEDIMENTS

- 30 Gneissic equivalent of unit 3.

FAULT CONTACT

SUPERIOR AND SOUTHERN PROVINCES

MIDDLE PRECAMBRIAN

LATE MAFIC INTRUSIVE ROCKS

- 29 Unsubdivided.
- 29a Matagabbro, trap, lamprophyre.
- 29b Peridotite, pyroxenite, and amphibolite with minor diorite and trondhjemite.

LATE FELSIC INTRUSIVE ROCKS^d

- 28 Unsubdivided.
- 28a Quartz monzonite with minor granite, granodiorite and trondhjemite.
- 28b Trondhjemite, granodiorite, and quartz diorite with minor diorite and gabbro.

INTRUSIVE CONTACT

SUDBURY NICKEL IRRUPTIVE

- 27 Granophyre.
- 26 Norite-gabbro, quartz norite, quartz gabbro and transition, sublayer, and offset rocks.

INTRUSIVE CONTACT

WHITewater GROUP
CHELMSFORD FORMATION

- 25a Greywacke, minor siltstone.

ONWATIN FORMATION

- 25b Carbonaceous slate.

ONAPING FORMATION

- 25c Lapilli tuff, breccia, felsic flows and intrusions, and minor carbonate and cherty rocks.

NIPISSING DIABASE

- 24 Unsubdivided.
- 24a Pyroxene gabbro, minor pyroxenite.
- 24b Hornblende gabbro, metagabbro, amphibolite.
- 24c Granophyre.

FELSIC INTRUSIVE ROCKS

- 23a Albite granite, syenite, and granophyre f.
- 23b Porphyritic quartz monzonite, and granite g.

INTRUSIVE CONTACT

LEGEND

PHANEROZOIC

CENOZOIC^a

QUATERNARY

PLEISTOCENE AND RECENT

- 46 Sand, gravel, clay, boulder till, swamp deposits.

UNCONFORMITY

PALEOZOIC

ORDOVICIAN-SILURIAN

- 45 Limestone, dolostone, shale, sandstone, conglomerate.

CAMBRIAN

ALKALIC ROCK-CARBONATITE COMPLEXES

- 44 Carbonatite, nepheline and alkalic syenites, associated mafic and ultramafic rocks, lamprophyre dikes, and fenite.

UNCONFORMITY, INTRUSIVE CONTACT

SUPERIOR, SOUTHERN AND GRENVILLE PROVINCES

PRECAMBRIAN

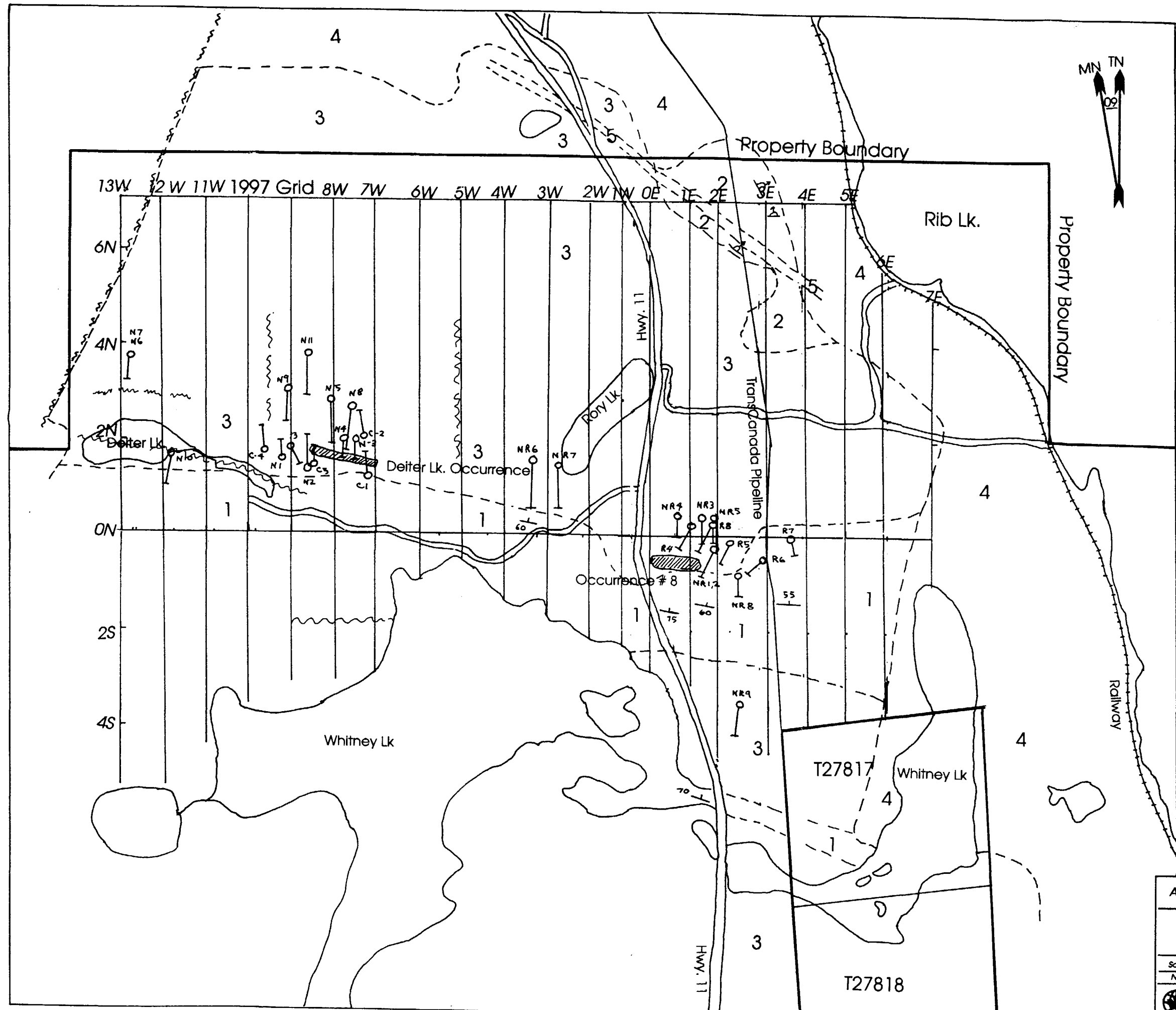
LATE PRECAMBRIAN

MAFIC INTRUSIVE ROCKS^b

- 43 Unsubdivided.
- 43a Diabase, quartz diabase dikes.
- 43b Olivine diabase dikes.
- 43c Gabbro, norite, pyroxenite, peridotite stocks.
- 43d Partly serpentinized peridotite and minor olivine gabbro stocks.

ALKALIC ROCK-CARBONATITE COMPLEXES^c

- 42a Carbonatite.
- 42b Nepheline and alkalic syenites and associated mafic and ultramafic rocks.
- 42c Fenite.



LEGEND

- 5 Nipissing Diabase Dyke
- 4 Coleman Fm; conglomerate, arkose
- 3 Whitney Lk. Intrusive;
- 2 Mafic/intermediate volcanics
- 1 Felsic Volcanics
- - - Geological Contact
- ~ Fault
- 70 Bedding/Foliation
- A Pillow Basalt, with direction of top
- Drillhole
- C1 Coniagas drillhole
- N1 Nickel Rim drillhole
- NR1 Nickel Rim drillhole
- R4 Rib Lake Copper drillhole

[Signature]

AG ARMENO MINES and MINERALS INC.

WHITNEY LAKE PROPERTY
PROPERTY GEOLOGY, NORTH HALF

Scale: 1:8,000	Date: Jan 10/98	Figure 5
NTS 31M/04	Drawn By: DJB	

DUNCAN BAIN CONSULTING LTD.

and gabbro (Hopkins, 1958b). Rare rhyolite, aplite dykes and quartz porphyry dykes were also noted within the Gabbro Group rocks. Northwest of Deiter Lake and north of the property there is a contact between the Gabbro Group rocks and overlying conglomerate.

Mapping of the area by government and mining companies (Thomson, 1968) since that time indicate that the north half of the property, on both sides of Highway 11, is underlain by Archean age gabbro, peridotite and pyroxenite of the Whitney Lake Intrusion (Figure 5). A narrow unit of older felsic volcanics lies directly to the south of these mafic rocks, both east and west of Whitney Lake and south of Whitney Lake. Foliation in this felsic unit dips north 50° to 75° . A small lens of basalt and andesite pillow lava lies in the northeast part of the property east of Hwy. 11. Pillows indicate that tops are to the northeast. Early Archean granitic intrusions were emplaced within the felsic volcanics south of Whitney Lake. It is not known if the granitic intrusion is older or younger than the Whitney Lake Intrusion. These three major rock units are unconformably overlain to the north and west of Whitney Lake and Deiter Lake by Proterozoic age Coleman Formation, the basal member of the Gowganda Formation of the Huronian Supergroup. This unit is composed of conglomerate and argillite. All of these units have been cut by a Proterozoic age Nipissing diabase dyke at the northeastern corner of the property, east of the highway. All of these rocks have since been peneplained by continental glaciation of Pleistocene time. The area is currently covered by a relatively thin (< 1 m to 10 m) layer of glacial till including boulders, cobbles, pebbles, sand, silt and clay.

On the property several faults are suggested by lineaments and topographic breaks. One lies along Deiter Lake. A prominent scarp trending 025° is found at the west side of the grid, along the Coleman Formation/Whitney Lake Intrusive contact. A N-S trending fault has been mapped in close proximity to L. 500 W.

Mineralization was noted during Thomson's mapping program. Four Cu-Ni showings were reported from that work. The Deiter Lake Occurrence (Figure 5, 6) is a concentration of disseminated to massive sulphide mineralization composed of pyrrhotite-pyrite and minor chalcopyrite. It is hosted by the basal section of a narrow sill of gabbroic to peridotite (with minor pyroxenite) composition. This zone is located between L. 700W/200 N and L. 800W/200 W, approximately 150 m NE of the east end of Deiter Lake. It intrudes an older unit of felsic volcanics (in some drill logs mapped as rhyolite) which are exposed to the south around Whitney Lake. It has been exposed by trenching for a distance of 150 m. It trends 120° and dips approximately 60 to 70° . It has an exposed width (from trenching) of massive and disseminated sulphide mineralization totalling a maximum of 14.0 m. Assay values from exploration work done in the past are on the order of 0.3 to 0.5 % Ni and 0.1 to 0.2% Cu from grab (select) samples and from drill core sections. This showing is associated with a strong EM conductor and two short pod-like magnetic highs which have been traced for a distance of 200 m. A N-S lineament representing a fault cuts the zone between L. 1000 and L. 1100 W. Drilling of the showing by several mining companies in the past has shown that the mineralization persists to a minimum depth of 150 m below surface, and is still open at depth and along strike. Assay values continue

to average 0.3 to 0.5% Ni and 0.1 to 0.3% Cu.

Occurrence #8 consists of a stripped off area 100 m long by 30 m wide on the east side of Highway 11 between L. 00 E/100S and L. 125 E/125 S (Figure 6). There are several blasted trenches which expose two 4 metre-wide zones of massive, discontinuous stringer and disseminated sulphide zone at the contact between the base of an E-trending gabbro to peridotite and the top of a fine- to coarse-grained fragmental volcanic rock of felsic to intermediate composition. This fragmental unit may actually be a breccia. The gabbroic rock is a minimum of 8 m wide. The main (southern) massive sulphide zone is composed of pyrrhotite and minor chalcopyrite concentrated as layers and vein-like bodies parallel to the foliation of the gabbro.

Occurrence #11 is a sulphide showing in Coleman conglomerate east of Whitney Lake.

Occurrence #12 is the J.C. Sutherland Copper Occurrence. The showing consists of chalcopyrite in quartz-carbonate-chlorite veinlets within the Coleman conglomerate. No base metal assays are available.

PHASE 1 PROGRAM

In November 1997 a Phase 1 exploration program was implemented to test the Whitney Lake property. This program consisted of a compilation of available geophysical, geochemical, geological and topographic data. A grid totalling 27.00 line-km was cut over the north half of the property (Figure 5). A ground-based MaxMin EM survey and

magnetometer geophysical survey were conducted over the grid. Linecutting and MaxMin surveys were carried out by Meegwich Inc. of Temagami, Ontario. The magnetometer survey was carried out by Gary Dunn Exploration of Matachewan, Ontario. The Deiter Lake Occurrence and the Occurrence #8 were power stripped using an excavator (Latham Excavating of Cobalt, Ontario) and the exposed bedrock was sampled and mapped. A total of 40 rock chip samples were taken over the two zones. Assaying included 32-element ICP by Chemex Labs of Mississauga, Ontario. All rock samples were Fire-assayed for gold and platinum-palladium-rhodium. Any base metals values approaching or greater than 10,000 ppm were re-assayed by specific methods and reported in percent. Any precious metals values greater than 1,000 ppb were recalculated and reported in grams/tonne. Assay certificates are found in Appendix 'A'. Instrumentation for the geophysical surveys is reported in Appendix 'B'.

Results of Phase 1 Program
MaxMin EM Survey

From November 1 to 21, 1997 a program of linecutting and MaxMin horizontal loop EM survey was carried out on the Whitney Lake property. A total of 27.00 km of linecutting was done. The lines were cut with chainsaw. A total of 23.67 km of Horizontal Loop EM was done, with readings taken at 25 m stations on lines spaced 100 m apart. Coil spacing was 150 m. An Apex MaxMin II unit was used, with frequencies of 444 Hz and 1777 Hz. The results of the survey are presented on Figure 8a-b, and instrumentation is found in Appendix 'B'. The results of the geophysical surveys delineated a series of 5 conductors labelled A to E. Conductors A to C all lie along a single path trending E-W to NW-SE.

Conductor A extends from L. 0 to L.100 E, 50 to 100 m S of the baseline. It is strongest in the area of the Occurrence # 8 showing east of the highway. The zone could be up to 25 m in width and it is suggested that there may be more than one zone present. This has been confirmed by mapping of the stripped area (see Geology above). The anomaly may extend as far as 300 m E but "noise" from the pipeline made data unreliable there. The western extension of this zone fades quickly.

Conductor B is strong on L. 700 W, 800 W and 900W and pinches out at either end. On L 800 W, at its widest point, the zone may be up to 15 m wide. This is confirmed by the description of the Deiter Lake Occurrence reported in Geology above. It is suggested to be 10 m wide on L 900 and 5 m wide on L. 700 W. Conductor C is a weak western extension of Conductor B.

Conductor D is a weak one-line response. Conductor E is a weak response that correlates with the lake sediments in Rory Lake.

Magnetometer Survey

From December 1 to 7, 1997 a magnetometer survey was carried out on the Whitney Lake property. A total of 23.67 km of magnetometer work was done, with readings taken at 25 m stations on lines spaced 100 m apart. The survey was conducted using two mobile and one base station GSM-19 Ovrhauser instruments. These units have a 2 nT resolution. The results of the survey are presented on Figure 9a-b, and instrumentation

is found in Appendix 'B'.

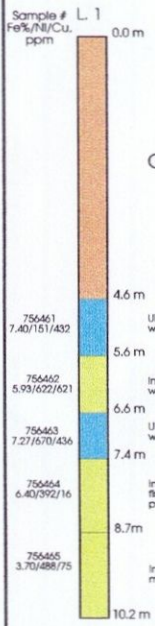
Magnetic Anomaly 'A' occurs in the NE corner of the property, in the area covered by Coleman Formation metasediments. It is likely a response to magnetite in the bedrock there, and is similar to the large magnetic anomalies found in that area by Nickel Rim Mines Ltd. A strong linear magnetic high (Anomaly 'B') lying directly E of the highway is found over the Occurrence # 8 showing. It appears to extend E of the pipeline, for a length of approximately 500 m. Three weaker linear magnetic highs (Anomaly 'C', 'D' and 'E') are found NW of the Occurrence # 8 anomaly and probably represent disseminated sulphides in similar zones occurring higher up in the mafic/ultramafic unit. A series of small one and two-line pod-shaped anomalies (Anomaly F to K) extend farther west, and include Anomaly F and H over the Deiter Lake Occurrence stripped area. A broad strong magnetic high similar to that reported by Hopkins (1956) is present over and north of Deiter Lake. It is up to 300 m wide and more than 400 m long (Anomaly 'L'). The sharp magnetic gradient on the S side of this feature may be a response to an E-W trending fault. This is also suggested by the presence of a sharp topographic break in that area. Anomaly 'M' is a 500 m linear anomaly trending E-W and occurs at the W end of Whitney Lake. There is a weak one-line in-phase EM response coincident with this magnetic high on L. 1100W. It may be due to magnetite filling a fault structure or may be due to a lens of disseminated sulphide mineralization in the felsic volcanics which occur here. There were several small magnetic lows throughout the survey area but none of these appears to be fault-related.

Mapping and Sampling

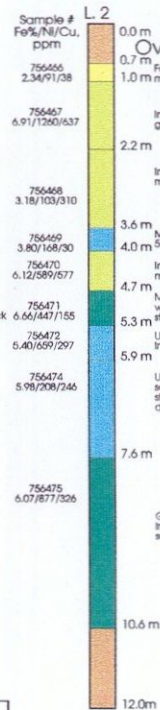
The author was on the property between November 4 and November 11, 1997. Due to the lateness of the season (snow was expected at any time) and budget restrictions, efforts were concentrated on mapping and sampling of the two main showings on the property. These included the Deiter Lake Occurrence and the Occurrence # 8. Both of these showings were power stripped using an excavator. The exposed bedrock was not power washed, again due to the lateness of the season. A series of channel samples (Figure 6, 7a-b) were taken along lines perpendicular to the bedding/foliation of the zones. These lines were mapped and integrated into the outline of the trenches already reported by Nickel Rim and by Blackstone Development.

The Deiter Lake Occurrence is located approximately 100 m NE of the E end of Deiter Lake. It is a concentration of disseminated to massive sulphide mineralization composed of pyrrhotite-pyrite and minor chalcopyrite. It is hosted by the basal section of a sill of gabbro to peridotite composition (the Whitney Lake Intrusion) which intrudes an older unit of felsic (rhyolite flow and tuff) volcanics which are exposed to the south around Whitney Lake. Foliation in this volcanic unit trends E-W and dips north 50° to 75°. The sill covers the area north of Whitney Lake and appears to be at least 1 km wide. Its true width is masked on the N side by the overlying Coleman Formation conglomerate and arkose. It is cut off to the west by a regional NE trending fault, with Coleman Formation conglomerate and arkose to the W. It extends eastward across the highway to near the shore of Rib Lake, where mafic to intermediate metavolcanics are exposed. These rocks

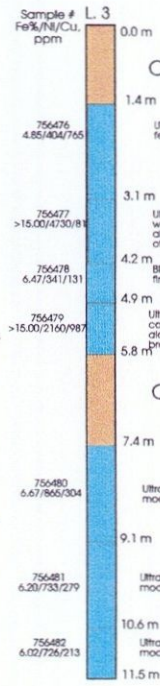
Deiter Lk. Occurrence Chip Sample Lines



Overburden

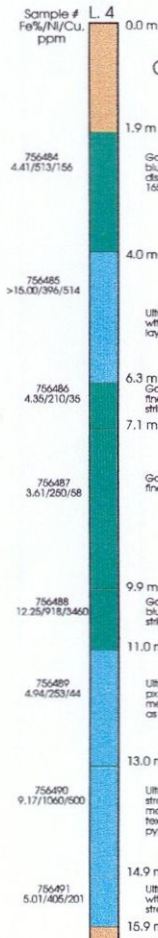


Overburden



Overburden

Overburden



Overburden

Overburden

AG ARMENO MINES and MINERALS INC.

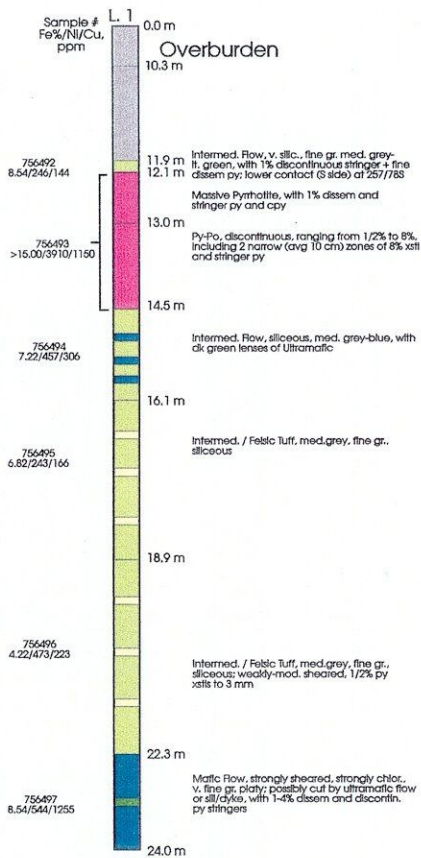
WHITNEY LAKE PROPERTY
DEITER LK. OCCURRENCE
CHIP SAMPLE LINES

Scale: 1:100	Date: Jan 10/08	Figure 7a
NTS 31M/04	Drawn By: DJB	

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Occurrence # 8
Chip Sample Line

Deiter Lk. Occurrence
Select Sample Descriptions



756473 - select sample, 12.1 m W of L. 3, med/dk green ultramafic with 5-8% py, 3% black earthy mineral (possible limenite?)

756483 - select sample, from 1/2 way between L. 2 and L. 3, med. grey green v. silic. ultramafic, weakly to moderately sheared, with 5% bleb py to 8 mm diam

(Assays of Select Samples found on Figure 6)

Occurrence # 8
Select Sample Descriptions

756498 - select sample, 1% py xstls in fine gr. massive blue grey ultramafic flow; moderately sheared

756499 - select sample, zone of sulphide mineralization, 1/2 to 5% dissemin. to blebby and discontinuous stringers of py in strongly silic. dk green v. fine gr. ultramafic

756500 - select sample, 1/2% to 4% dissemin. and discontinuous stringers of py in v. fine gr. ultramafic flow (?); mod. sheared

(Assays of Select Samples found on Figure 6)

AG ARMENO MINES and MINERALS INC.

WHITNEY LAKE PROPERTY
OCCURRENCE # 8
CHIP SAMPLE LINE

Scale: 1:100

Date: Jan 10/98

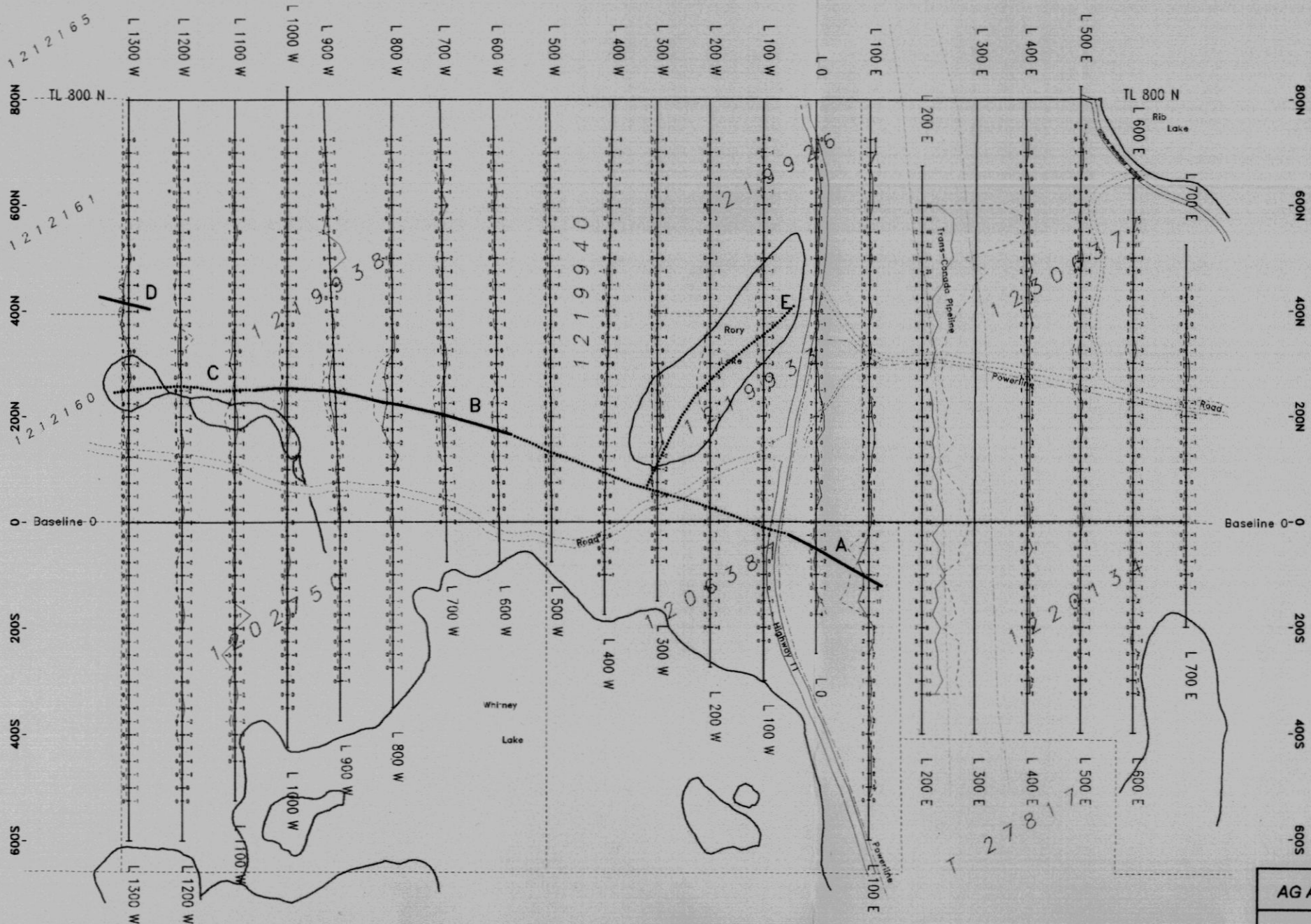
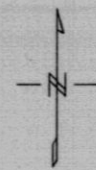
Figure 7b

NTS 31M/04

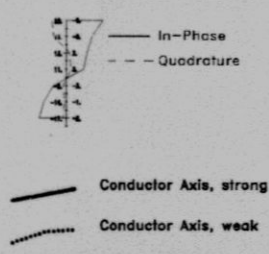
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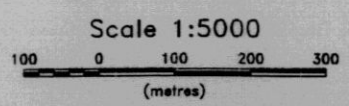
DUNCAN BAIN CONSULTING LTD.



800N
600N
400N
200N
Baseline 0-0
200S
400S
600S




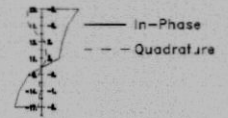
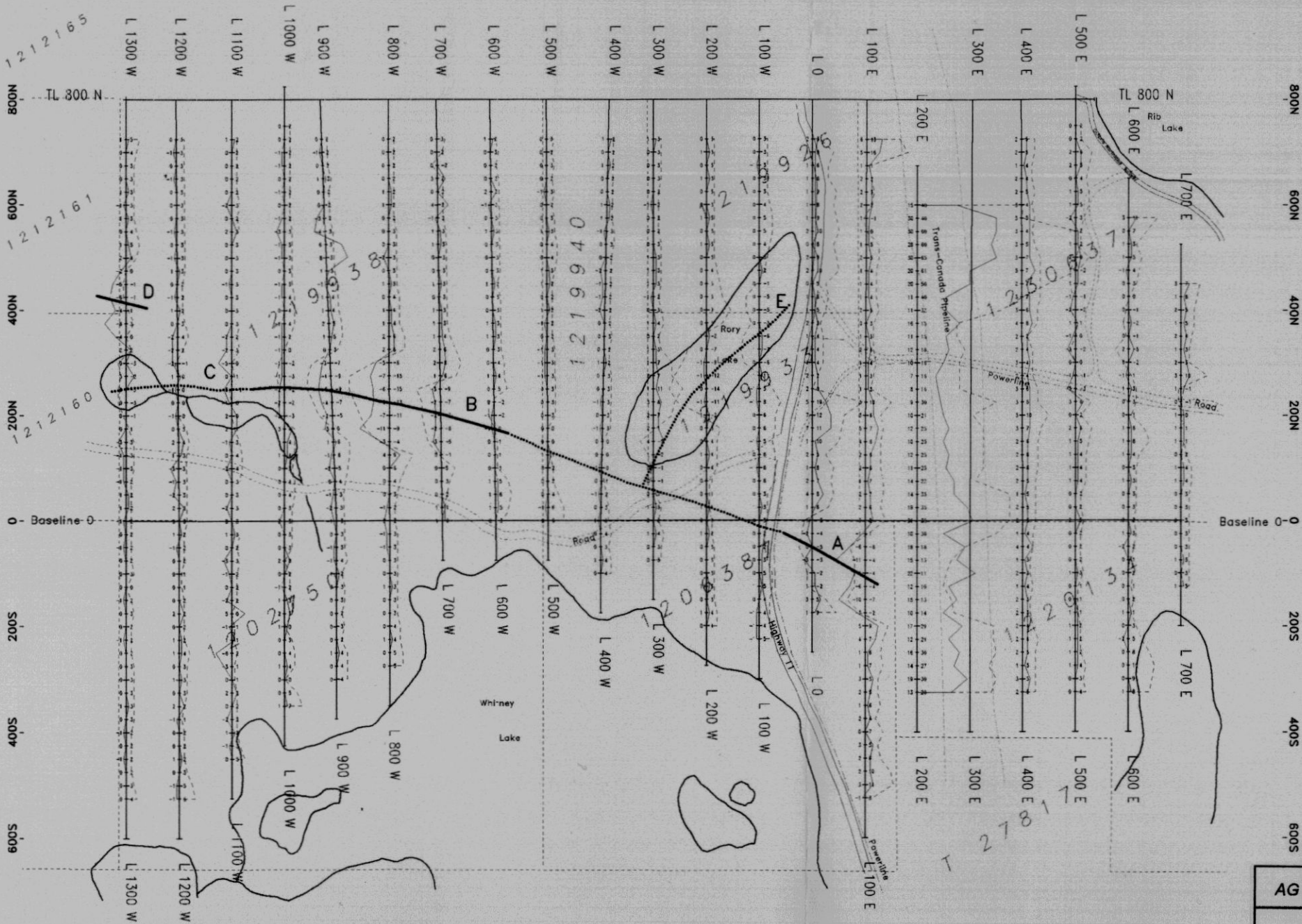
Note: Line 300 E was read but all readings were off scale and therefore not plotted.



Instruments: APEX Maxmin II - Coil Spacing 150 meters - Serial #1174

PROFILE SCALE: 1 CM 10%

AG ARMENO MINES and MINERALS INC.		
WHITNEY LAKE PROPERTY MAXMIN SURVEY - 444 Hz		
Scale: 1:10,000	Date: Jan 10/98	Figure 8a
NTS 31M/04	Drawn By: DJB	
 DUNCAN BAIN CONSULTING LTD.		
Scale Reduced to 1:10,000		

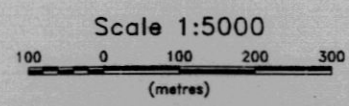


Profile Scale: 1 cm = 10%

— Conductor Axis, strong

- - - Conductor Axis, weak

Note: Line 300 E was read but all readings were off scale and therefore not plotted.



Instruments: APEX Maxmin II - Coil Spacing 150 meters - Serial #1174

AG ARMENO MINES and MINERALS INC.

WHITNEY LAKE PROPERTY
MAXMIN SURVEY - 1777 Hz

Scale: 1:10,000	Date: Dec 15/97	Figure 8b
NTS 31M/04	Drawn By: DJB	

DUNCAN BAIN CONSULTING LTD.

Scale Reduced to 1:10,000

include basalt and andesite pillow lava. Pillows indicate that tops are to the northeast. These metavolcanics are part of the unit of volcanics (seen around Whitney Lake as felsic volcanics) enclosing the Whitney Lake Intrusion. There is some suggestion from mineralized zones found further south that this package of mafic to felsic volcanics enclosing a mafic to ultramafic sill trends NW-SE at Deiter Lake, trends E-W at Occurrence # 8, and then swings NW-SE again farther E where the Whitney Lake Intrusive/felsic volcanic contact dips under the Coleman Formation near Rib Lake. Massive sulphide mineralization associated with mafic/ultramafic rocks found farther S (Rib Lake property) suggests that the strike of these rocks continues to swing to the S trend near the S end of Gillies Limit Twp. From there they start to swing SW to W, crossing the highway and extend into Best Twp.

The exact contact relations of the Deiter Lake Occurrence are unknown on surface due to overburden cover. One drillhole under this showing (Nickel Rim N-11, from Thomson, 1968) reports that there is a zone of fissile chlorite schist between the sill and the older underlying felsic volcanics. Mapping by the author in November (Figure 6, 7a) showed that at the E end of the zone the mineralization was hosted by dark green to black soft strongly sheared ultramafic rock averaging 1 m wide, interlayered with moderately silicified, sheared felsic to intermediate tuff. Mica peridotite (?) may be present at one site. Towards the W end of the zone there is little exposed host rock. The mineralized zone exposed is up to 14.0 m wide. Sampling by the author showed only weak copper values, assaying up to 3460 ppm (0.346%) Cu over a width of 1.1 m from Sample 756488. This

sample is a very siliceous medium grey to blue-black fine to medium grained gabbro containing 2 to 30% bleb and disseminated pyrrhotite/pyrite/minor chalcopyrite. These assay values are similar to those reported by the other exploration companies who have examined this showing since the early 1950s. Select samples from this showing are reported in Figure 7b.

Occurrence # 8 is located approximately 100 m E of Highway 11 along an old bush road a few hundred metres south of Rory Lake (Figure 6). It is a concentration of disseminated to massive sulphide mineralization composed of pyrrhotite-pyrite and minor chalcopyrite. It is hosted by the same basal section of a sill of gabbro to peridotite composition (the Whitney Lake Intrusion) which hosts the Deiter Lake Occurrence. EM surveys carried out by several exploration companies over the past 40 years, including the survey carried out as part of this Phase 1 program, have shown that the mineralization here is part of the same horizon as that at the Deiter Lake zone. Occurrence # 8 consists of a stripped off area 100 m long by 30 m wide on the east side of Highway 11. This power-stripped area exposes two massive to disseminated sulphide zones, each up to 4 m wide contained at the base of a gabbro/peridotite sill in contact to the south with a unit of felsic volcanics. The gabbroic rock is a minimum of 8 m wide. The felsic unit is composed of a fine- to coarse-grained fragmental volcanic rock. This is probably part of the same felsic volcanic unit found at Whitney Lake south of the Deiter Lake Occurrence. This fragmental unit may actually be a breccia. It is very siliceous near its contact with the gabbro, medium grey to light green, with 1% discontinuous stringer and fine grained disseminated pyrite. The

felsic rocks are pale grey to buff coloured and feldspar rich. They contain angular fragments up to 3 cm within a dark green chloritic aphanitic matrix which comprises 10 to 20% of the unit. The upper contact of the felsic unit strikes at 257° and dips 78° N. The more southern of the two sulphide zones contains a 90 cm-wide massive sulphide zone composed of pyrrhotite and minor chalcopyrite, which is concentrated as layers and vein-like bodies parallel to the foliation of the gabbro. Overlying this to the N is a 3.1 m zone of 1/2% to 8% discontinuous massive, disseminated and stringer pyrite-pyrrhotite mineralization. This includes two narrow (10 cm wide) zones of 8% massive and stringer pyrite-pyrrhotite (Sample 756493). This mineralization is contained in a unit of siliceous medium grey-blue intermediate to felsic flow interlayered with dark green lenses of ultramafic (probably peridotite). Above this to the N is a 2.8 m wide unit of siliceous medium grey fine-grained intermediate to felsic tuff. Above this point for this unit is weakly to moderately sheared and contains 1/2% pyrite crystals to 3 mm. Strong shearing occurs above here for 1.7 m. It is composed of strongly chloritized very fine grained "platy" mafic flow. It may be cut by a medium green-grey medium grained lamprophyre dyke. This section contains 1 to 4% disseminated and discontinuous stringers and blebs of pyrite-pyrrhotite. Mud and water cover the area N of here but 3.0 m N of the mafic flow is a small outcrop of moderately sheared fine-grained massive blue-grey ultramafic flow (Sample 756498). It contains 1% crystalline pyrite. The area N of here has not been stripped. There are several other blasted trenches over the stripped section. The main zone of mineralization appeared on surface to continue both E and W but mainly as disseminations, fracture fillings and discontinuous pods of massive pyrrhotite-pyrite. Chip

sampling of the Occurrence # 8 main zone and sampling of select massive sulphide from other sites over the stripped area (Figure 7b) returned a best value of 2360 ppm (0.236%) Cu from the grab sample 756498. An assay of 3910 ppm (0.391%) Ni came from Sample 756493. No other elements of significance were noted.

CONCLUSIONS

The Whitney Lake property was optioned by **AG ARMENO MINES and MINERALS INC.** in March 1997. It has been tested over the last forty years for an economic deposit of nickel and/or copper, with the additional possibility of gold and/or platinum-palladium being present. Numerous geophysical surveys have been carried out. These indicate that a large sill of mafic to ultramafic composition has been injected into an Archean age unit of felsic to mafic composition volcanic flows and tuffs which dip moderately to steeply N. This sill has subsequently been sheared along the foliation/layering of the sill and enclosing volcanic unit. Shearing is near vertical. The base of this sill contains disseminated to massive pyrrhotite-pyrite with minor chalcopyrite. Two areas that contain the highest known concentrations of this mineralization have been tested in detail by power stripping, mapping, sampling and diamond drilling. These two zones are the Deiter Lake Occurrence and the Occurrence # 8. Assaying of select and chip samples by the author has confirmed the presence of low-grade copper-nickel mineralization with individual layers over widths of 0.9 to 4.0 m, and total widths of up to 14.0 m. Assay values averaged 0.1 to 0.3% Cu and 0.3 to 0.5% Ni, although occasional samples assayed as high as 1.18% Ni and 0.61% Cu. No significant precious metals mineralization

was noted from the 1997 sampling. It is unlikely that additional drilling under the Deiter Lake Occurrence trenches will produce higher grades. The Occurrence # 8 showing appears discontinuous on surface, has similar or weaker grades than those at Deiter Lake and is restricted in its strike length by the presence of the pipeline to the east and the highway to the west. Conductor C appears to be an extension of the Deiter Lake Occurrence. It extends under Deiter Lake, initially suggesting conductive clays as the source. However it is associated with a strong magnetic high, 2000 gammas > than that at the Deiter Lake Occurrence magnetic anomaly B. It may also be related to a fault indicated to lie under Deiter Lake. This site should be tested at depth for economic sulphide and/or precious metals mineralization. A strong linear magnetic anomaly also lies on L. 800 to L. 1200 W, around 275 S. It has no associated EM conductor and is underlain by muskeg. It is suggested to be an E-W trending fault or sulphide zone cutting felsic volcanic rocks. This site should also be tested at depth for economic sulphide and/or precious metals mineralization. Positive results from either of these two sites would lead to a detailed exploration program in the immediate area of Deiter Lake, south between Deiter Lake and Whitney Lake to cover areas of strong positive magnetics. In conjunction with this work the felsic volcanic rocks S of Whitney Lake would be explored for VMS and gold mineralization.

PROPOSED EXPLORATION PROGRAM

It is proposed that a Phase 2 program be implemented to examine the Whitney Lake property for economic grades of nickel and copper. This program would consist of the diamond drilling of two hole totalling 160 m. One hole would be collared on L. 1100 W/200 N directly N of Deiter Lake. This would dip at -50° with an azimuth of 180° to penetrate a horizontal length and vertical depth of approximately 50 m. This would be sufficient to cross Conductor C and the associated strong positive magnetic anomaly, and a suspected fault underlying Deiter Lake. The second hole would test the linear magnetic anomaly W of Whitney Lake. It would be collared at L. 1000 W/175 S, with an azimuth of 180° and a dip of -50° . The cost of this Phase 2 program is \$25,000 and would be coordinated with any other drill program being conducted in the same general area.

PROPOSED BUDGET

<u>Phase 2 Program</u>	<u>Cost</u>
- diamond drilling, two holes totalling 160 m at \$85/m	\$15,300
- mobilization/demobilization of drill; to/from Whitney Lk project	\$1,500
- drill supervision, 9 days at \$350/day; includes logging core, sampling	\$3,150
- accommodation, meals and vehicle rental, 9 days, including travel time, at \$100/day	\$900
- assaying, minimum 20 samples, for 30 element ICP + Fire Assay for gold and Platinum Group Metals	\$600
- 12 copies of report	\$1,500
- GST on \$22,950	\$1,600
- <u>contingencies</u>	<u>\$450</u>
<u>TOTAL ESTIMATED COST, PHASE 2 PROGRAM</u>	<u>\$25,000</u>

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CERTIFICATE OF QUALIFICATIONS

I, **DUNCAN JAMES BAIN**, of the **CITY of LONDON**, in the **PROVINCE of ONTARIO**, do herein certify that:

I am a Consulting Geologist and reside in the City of London, Ontario.

I graduated from the University of Western Ontario in London, Ontario, and received my Bachelor of Science degree in Geology in 1977.

I have practised continuously as an exploration, development and mine geologist from that time until the present.

I am a Fellow of the Geological Association of Canada.

I am a Professional Geoscientist (P.Ge) of the Association of Professional Engineers and Geoscientists of British Columbia.

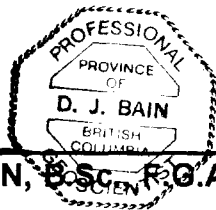
This report is based on a study of all information made available to me, both published and unpublished.

I was on the Whitney Lake property from November 4 to November 11, 1997.

I have no interest, either direct or indirect, nor do I expect to receive any interest, either direct or indirect, in the securities of the company or any of its affiliates.

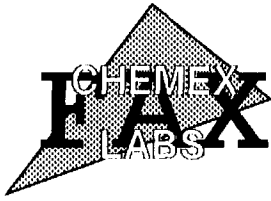
I consent to the use of this report in a Prospectus or Statement of Materials Facts.

DATED in the **CITY of LONDON**, in the **PROVINCE of ONTARIO**, this 15th day of January 1998.



DUNCAN JAMES BAIN, B.Sc., P.G.A.C., P.Ge.
Consulting Geologist
DUNCAN BAIN CONSULTING LTD.

APPENDIX 'A' - ASSAY CERTIFICATES



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: BAIN, DUNCAN CONSULTING LTD.

UNIT 17, 1318 HIGBURY AVE.
 LONDON, ON
 N5Y 5E5

Project: WHITNEY
 Comments: ATTN: DUNCAN BAIN

Page Number 1-A
 Total Pages 1
 Certificate Date 23-NOV-97
 Invoice No. I-9750576
 P.O. Number :
 Account :

CERTIFICATE OF ANALYSIS A9750576

SAMPLE DESCRIPTION	PREP CODE	Au ppb AFS	Pt ppb AFS	Pd ppb AFS	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
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756462	205 226	<4	10	40	0.2	1.92	4	<10	<0.5	2	0.10	0.5	72	827	621	5.93	<10	<1	0.01	<10
756463	205 226	<4	10	32	0.2	2.31	<2	<10	<0.5	<2	0.10	0.5	70	955	436	7.27	<10	<1	0.01	<10
756464	205 226	<2	<5	18	<0.2	4.25	<2	40	<0.5	<2	0.13	0.5	31	545	16	6.40	10	<1	0.12	<10
756465	205 226	<2	15	40	<0.2	2.31	<2	30	<0.5	<2	0.14	<0.5	30	1035	75	3.70	<10	<1	0.17	<10
756466	205 226	<2	<5	2	<0.2	2.24	<2	120	<0.5	<2	0.62	<0.5	17	276	38	2.34	<10	<1	0.45	<10
756467	205 226	4	<10	24	0.4	1.68	6	<10	<0.5	<2	0.11	0.5	78	630	637	6.91	<10	<1	0.01	<10
756468	205 226	<2	<5	4	<0.2	2.08	<2	10	<0.5	<2	0.71	<0.5	17	310	70	3.18	<10	<1	0.26	10
756469	205 226	<2	<5	4	<0.2	2.86	<2	40	<0.5	<2	1.44	0.5	26	689	30	3.80	10	<1	1.96	10
756470	205 226	10	15	30	0.2	1.78	4	20	<0.5	<2	0.14	0.5	62	839	577	6.12	<10	<1	0.10	<10
756471	205 226	2	<5	22	<0.2	3.02	<2	10	<0.5	<2	0.12	<0.5	24	567	155	6.66	<10	<1	0.20	<10
756472	205 226	4	10	28	0.2	2.22	<2	20	<0.5	<2	0.15	0.5	57	640	297	5.40	<10	<1	0.17	<10
756473	205 226	12	10	34	0.6	1.37	4	<10	<0.5	<2	0.08	<0.5	236	409	474	10.20	<10	<1	0.02	<10
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756475	205 226	4	<5	22	0.2	1.95	6	<10	<0.5	<2	0.41	<0.5	33	553	326	6.07	<10	<1	0.03	<10
756476	205 226	4	15	30	<0.2	2.74	6	50	<0.5	<2	0.59	0.5	26	496	765	4.85	10	<1	0.26	10
756477	205 226	8	15	188	1.0	0.38	2	20	<0.5	<2	0.04	2.0	146	46	811	>15.00	<10	<1	0.09	<10
756478	205 226	2	<5	14	<0.2	2.64	6	140	<0.5	<2	0.56	0.5	21	771	131	6.47	10	<1	0.66	10
756479	205 226	14	15	106	0.6	0.91	4	<10	<0.5	<2	0.15	0.5	152	357	987	>15.00	<10	<1	0.05	<10
756480	205 226	4	<10	20	0.6	1.63	12	<10	<0.5	<2	0.14	0.5	79	718	304	6.67	<10	<1	0.01	<10
756481	205 226	18	15	30	0.2	2.06	2	30	<0.5	<2	0.20	0.5	80	458	279	6.20	<10	<1	0.05	<10
756482	205 226	4	<10	12	0.2	1.57	6	<10	<0.5	<2	0.10	<0.5	61	702	213	6.02	10	<1	0.01	<10
756483	205 226	8	<10	20	0.2	1.09	<2	<10	<0.5	<2	0.08	0.5	83	661	408	6.15	<10	<1	0.01	<10
756484	205 226	4	10	24	<0.2	2.81	10	30	<0.5	<2	0.21	<0.5	40	456	156	4.41	<10	<1	0.08	<10
756485	205 226	8	<10	<4	0.2	0.14	6	<10	<0.5	<2	1.83	<0.5	132	137	514	>15.00	<10	<1	0.01	<10
756486	205 226	<2	10	22	<0.2	1.96	8	<10	<0.5	<2	0.17	<0.5	23	641	35	4.35	<10	<1	0.01	<10
756487	205 226	<2	5	14	<0.2	2.22	10	<10	<0.5	<2	0.49	<0.5	20	486	58	3.61	<10	<1	0.05	<10
756488	205 226	4	10	30	1.8	0.82	2	<10	<0.5	<2	0.34	0.5	199	354	1460	12.25	<10	<1	0.04	<10
756489	205 226	4	<5	10	<0.2	3.87	6	610	<0.5	<2	1.44	0.5	34	1020	44	4.94	10	<1	2.57	20
756490	205 226	<4	<10	16	0.2	1.25	6	10	<0.5	<2	0.48	<0.5	33	280	500	9.17	<10	<1	0.26	<10
756491	205 226	<4	<10	4	<0.2	2.08	<2	<10	<0.5	<2	0.17	<0.5	17	774	201	5.01	<10	<1	0.03	<10
756492	205 226	4	<5	12	<0.2	3.29	<2	10	<0.5	<2	0.42	0.5	29	149	144	8.54	10	<1	0.05	<10
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756494	205 226	8	<5	14	0.2	2.29	12	20	<0.5	<2	0.29	0.5	55	308	306	7.22	<10	<1	0.03	<10
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756496	205 226	6	15	22	0.2	3.05	<2	10	<0.5	<2	0.28	0.5	38	431	223	4.22	10	<1	0.02	<10
756497	205 226	6	30	62	0.6	3.75	6	<10	<0.5	<2	0.28	0.5	104	854	1255	8.54	<10	<1	0.01	<10
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756500	205 226	26	10	24	0.6	2.42	10	10	<0.5	<2	0.27	0.5	101	252	621	7.94	10	<1	0.02	<10



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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To: BAIN, DUNCAN CONSULTING LTD.

UNIT 17, 1318 Highbury Ave.
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Project: WHITNEY
 Comments: ATTN: DUNCAN BAIN

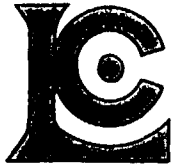
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 Total Pages 1
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CERTIFICATE OF ANALYSIS A9750576

SAMPLE DESCRIPTION	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zr ppm
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756462	205 226	2.31	405	< 1	< 0.01	622	90	< 2	< 2	1	2	0.06	< 10	< 10	45	< 10	26
756463	205 226	2.62	405	< 1	< 0.01	670	60	< 2	< 2	2	1	0.06	< 10	< 10	49	< 10	32
756464	205 226	4.58	865	< 1	< 0.01	392	60	< 2	< 2	3	4	0.07	< 10	< 10	39	< 10	68
756465	205 226	3.40	380	< 1	< 0.01	488	160	< 2	< 2	2	4	0.05	< 10	< 10	48	< 10	42
756466	205 226	2.59	360	< 1	0.02	91	440	2	< 2	1	39	0.07	< 10	< 10	29	< 10	30
756467	205 226	2.19	395	< 1	< 0.01	1260	60	< 2	< 2	1	1	0.06	< 10	< 10	39	< 10	28
756468	205 226	2.45	505	< 1	0.03	103	1260	< 2	< 2	2	30	0.15	< 10	< 10	63	< 10	40
756469	205 226	3.62	630	< 1	< 0.01	168	2340	2	< 2	3	120	0.20	< 10	< 10	89	< 10	54
756470	205 226	2.25	370	< 1	< 0.01	589	80	< 2	< 2	1	3	0.08	< 10	< 10	44	< 10	26
756471	205 226	3.47	605	< 1	< 0.01	447	150	< 2	< 2	1	3	0.06	< 10	< 10	35	< 10	38
756472	205 226	2.61	410	< 1	< 0.01	659	160	< 2	< 2	1	5	0.08	< 10	< 10	46	< 10	32
756473	205 226	1.55	300	< 1	< 0.01	927	30	< 2	< 2	1	< 1	0.06	< 10	< 10	19	< 10	18
756474	205 226	2.66	430	< 1	< 0.01	208	290	< 2	< 2	1	8	0.10	< 10	< 10	48	< 10	32
756475	205 226	2.47	415	< 1	< 0.01	877	50	< 2	< 2	2	10	0.05	< 10	< 10	34	< 10	28
756476	205 226	3.10	510	< 1	< 0.01	404	1190	< 2	< 2	1	21	0.20	< 10	< 10	68	< 10	44
756477	205 226	0.06	70	< 1	< 0.01	4730	< 10	< 2	< 2	< 1	11	< 0.01	< 10	< 10	2	< 10	< 2
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756479	205 226	0.85	205	< 1	< 0.01	2160	110	6	< 2	1	4	0.04	< 10	< 10	20	< 10	10
756480	205 226	2.09	375	< 1	< 0.01	865	50	2	< 2	1	2	0.07	< 10	< 10	40	< 10	28
756481	205 226	2.46	400	< 1	< 0.01	733	160	< 2	< 2	1	8	0.07	< 10	< 10	35	< 10	30
756482	205 226	1.91	360	< 1	< 0.01	726	130	2	< 2	1	2	0.05	< 10	< 10	48	< 10	24
756483	205 226	1.52	280	< 1	< 0.01	1055	100	< 2	< 2	1	2	0.03	< 10	< 10	38	< 10	18
756484	205 226	3.30	500	< 1	0.01	513	40	< 2	< 2	2	5	0.07	< 10	< 10	37	< 10	50
756485	205 226	0.11	350	< 1	< 0.01	396	< 10	< 2	< 2	< 1	3	< 0.01	< 10	< 10	3	< 10	12
756486	205 226	2.52	395	< 1	< 0.01	210	120	< 2	< 2	< 1	1	0.11	< 10	< 10	52	< 10	48
756487	205 226	2.55	395	< 1	0.01	250	100	< 2	< 2	1	26	0.08	< 10	< 10	41	< 10	38
756488	205 226	0.83	210	< 1	< 0.01	918	100	2	< 2	3	3	0.09	< 10	< 10	33	< 10	12
756489	205 226	4.57	565	< 1	< 0.01	253	2610	< 2	< 2	2	137	0.27	< 10	< 10	107	< 10	56
756490	205 226	1.30	365	< 1	0.02	1060	40	< 2	< 2	3	4	0.08	< 10	< 10	29	< 10	18
756491	205 226	2.86	440	< 1	< 0.01	405	60	2	< 2	1	3	0.05	< 10	< 10	37	< 10	34
756492	205 226	2.23	240	< 1	0.01	246	360	2	< 2	5	20	0.21	< 10	< 10	95	< 10	140
756493	205 226	0.73	360	4	< 0.01	3910	90	6	< 2	1	22	0.04	< 10	< 10	17	< 10	184
756494	205 226	2.10	405	4	0.01	457	220	2	< 2	1	10	0.11	< 10	< 10	36	< 10	64
756495	205 226	1.91	370	< 1	< 0.01	243	300	< 2	< 2	3	24	0.22	< 10	< 10	61	< 10	52
756496	205 226	3.34	320	< 1	< 0.01	473	320	4	< 2	1	3	0.14	< 10	< 10	75	< 10	68
756497	205 226	3.79	585	< 1	< 0.01	544	530	< 2	< 2	4	5	0.12	< 10	< 10	62	< 10	60
756498	205 226	3.38	430	< 1	< 0.01	1560	140	2	< 2	3	3	0.11	< 10	< 10	32	< 10	42
756499	205 226	0.66	1365	6	0.01	206	130	12	< 2	< 1	86	0.08	< 10	< 10	12	< 10	28
756500	205 226	2.27	435	< 1	< 0.01	659	190	2	< 2	6	6	0.17	< 10	< 10	90	< 10	50

11/24/97 11:47AM CHEMEX LABS VAX-FAX2

PAGE 003



Chemex Labs Ltd.

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To: BAIN, DUNCAN CONSULTING LTD.

UNIT 17, 1318 HIGBURY AVE.
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Project: WHITNEY
Comments: ATTN: DUNCAN BAIN

Page Number : 1
Total Pages : 1
Certificate Date: 01-DEC-97
Invoice No. : 19751507
P.O. Number :
Account : Lfv

CERTIFICATE OF ANALYSIS

A9751507

SAMPLE	PREP CODE	Fe tot %									
756477	244 --	33.63									
756479	244 --	22.86									
756485	244 --	22.91									
756493	244 --	33.72									

CERTIFICATION:

APPENDIX 'B' - INSTRUMENTATION

NTS 31 M/4

**HORIZONTAL LOOP EM SURVEY
Whitney Lake Property
AG ARMENO MINES & MINERALS INC.
November 1997
Gillies Limit South Township
Larder Lake Mining Division
Ontario**

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1.0 Introduction
2.0 Property
3.0 Location and Access
4.0 Horizontal Loop EM Survey
 4.1 Instrumentation
 4.2 Survey Results

5.0 Conclusions and Recommendations

LIST OF FIGURES

Figure 1 Location Map
Figure 2 Claim Map

LIST OF MAPS

Horizontal Loop EM - Profiles 444 Hz. 150 m. Coil sep
Horizontal Loop EM - Profiles 1777 Hz. 150 m. Coil sep

1.0 INTRODUCTION:

From November 1 to 21, 1997, a program of linecutting and geophysical surveying was carried out on the Whitney Lake Property in Gillies Limits South Township. The claims are held by AG Armeno Mines and Minerals Inc., 1650-609 Granville St. Vancouver, B.C. V7Y 1G5. The work was executed by David Laronde and Robert Sanderson and reported on by David Laronde of Meegwich Consultants Inc., P.O. Box 482, Temagami, Ontario POH 2H0.

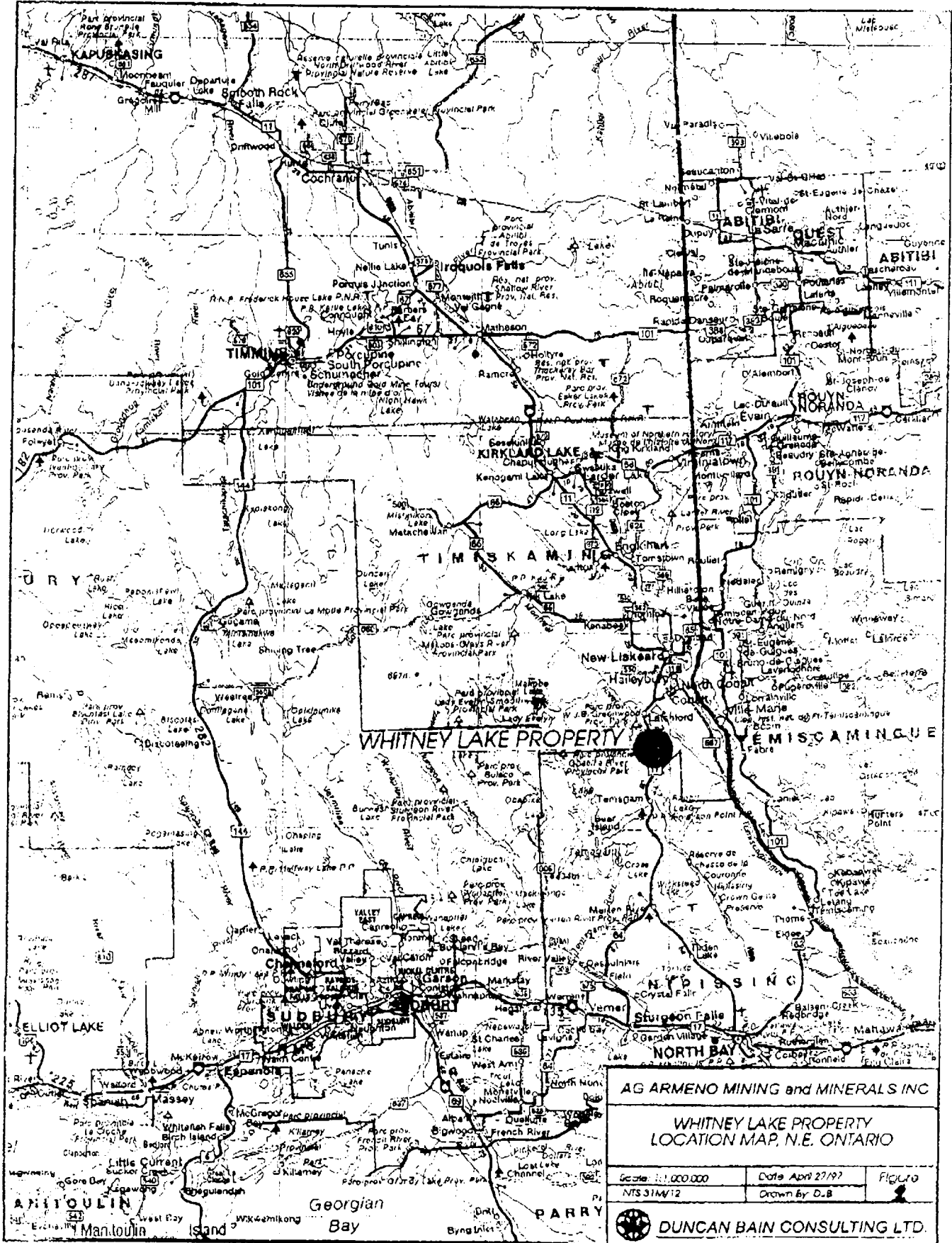
Linecutting: A total of 27.00 km of linecutting was done from a baseline running 2.00 km in an east-west direction. About 5% of the grid is underlain by lake and swampy areas hence the property is well drained and hilly. Most of the lines were cut with chainsaw and are considered to be of high quality standards.

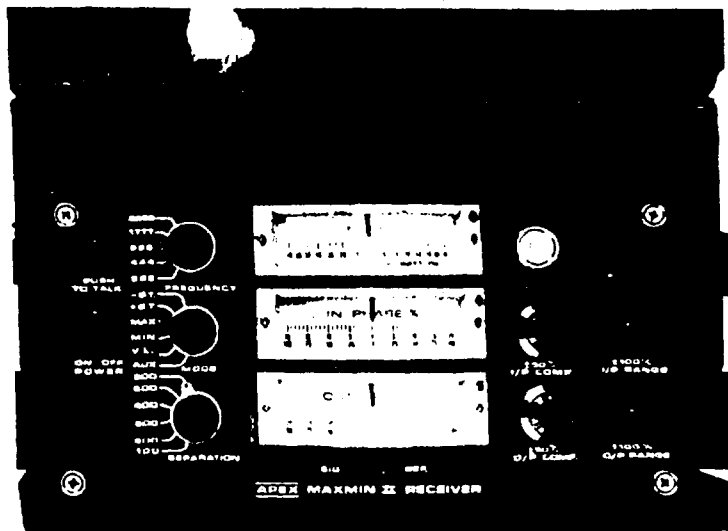
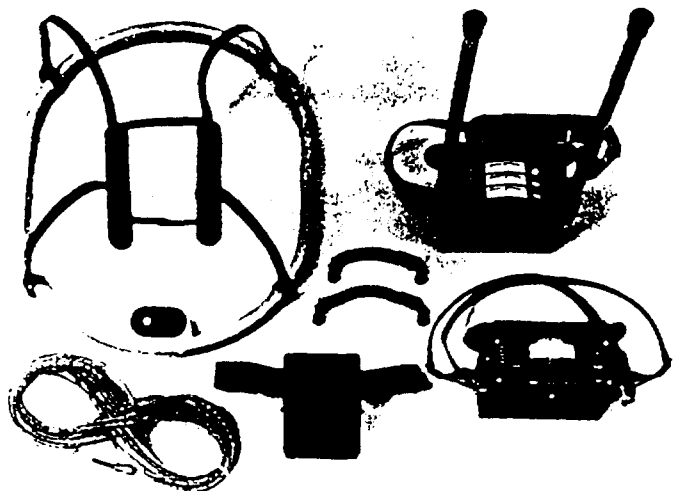
2.0 PROPERTY:

The 1280 hectare property (80 units) consists of a block of 18 contiguous mining claims situated in the extreme south end of Gillies Limit in the Larder Lake Mining District. The claims vary in size as follows:

1219938	4 units	1230637	4 units
1219940	2 units	1220136	4 units
1219926	1 unit	1220134	4 units
1219933	1 unit	1202750	4 units
1206387	4 units	1220145	12 units
1220146	8 units	1212364	1 unit
1212365	16 units	1230634	3 units
1212329	1 unit	1230627	2 units
1220147	8 units	1230628	1 unit

1 of 4





222, 444, 888, 1777 and 3555 Hz.

MAX: Transmitter coil plane and receiver coil plane horizontal (Max-coupled; Horizontal-loop mode). Used with reference cable.

MIN: Transmitter coil plane horizontal and receiver coil plane vertical (Min-coupled mode). Used with reference cable.

V.L.: Transmitter coil plane vertical and receiver coil plane horizontal (Vertical-loop mode). Used without reference cable, in parallel lines.

25, 50, 100, 150, 200 & 250m (MMII) or 100, 200, 300, 400, 600 and 800 ft. (MMIIF).

Coil separations in VL mode not restricted to fixed values.

- In-Phase and Quadrature components of the secondary field in MAX and MIN modes.
- Tilt-angle of the total field in VL mode.
- Automatic, direct readout on 90mm (3.5") edgewise meters in MAX and MIN modes. No nulling or compensation necessary.
- Tilt angle and null in 90mm edgewise meters in VL mode.

In-Phase: $\pm 20\%$, $\pm 100\%$ by push-button switch.
 Quadrature: $\pm 20\%$, $\pm 100\%$ by push-button switch.
 Tilt: $\pm 75\%$ slope.
 Null (VL): Sensitivity adjustable by separation switch.

In-Phase and Quadrature: 0.25% to 0.5%; Tilt: 1%.

$\pm 0.25\%$ to $\pm 1\%$ normally, depending on conditions, frequencies and coil separation used.

- 222Hz : 220 Atm²
- 444Hz : 200 Atm²
- 888Hz : 120 Atm²
- 1777Hz : 60 Atm²
- 3555Hz : 30 Atm²

9V trans radio type batteries (4)
 Life: approx. 35hrs continuous duty (alkaline, 0.5 Ah), less in cold weather.

12V 6Ah Gel-type rechargeable battery. (Charger supplied).

Light weight 2-conductor teflon cable for minimum friction. Unshielded. All reference cables optional at extra cost. Please specify.

Built-in intercom system for voice communication between receiver and transmitter operators in MAX and MIN modes, via reference cable.

Built-in signal and reference warning lights to indicate erroneous readings.

-40°C to +60°C (-40°F to +140°F)

6kg (13 lbs.)

13kg (29 lbs.)

Typically 60kg (135 lbs.), depending on quantities of reference cable and batteries included. Shipped in two field/shipping cases.

Specifications subject to change without notification.

APEX

200 STEELCASE RD. E., MARKHAM, ONT., CANADA, L3R 1G2

Phone: (416) 495-1612

Cables: APEXPARA TORONTO

Telex: 06-966775 NEWARKYD
 06-966775 APEXPARA NKHM

3.0 LOCATION AND ACCESS:

The Whitney Lake Property is located 19 km north of the town of Temagami, Ontario which in turn is 100 km north of the city of North Bay. The property can be easily accessed since Hwy 11 cuts through the middle and also gravel roads head east and west past the property boundaries. In addition the pipeline and the railway add further access. Latitude: 47-12'-00" Long: 79-45'-00"

4.0 HLEM Survey:

A total of 23.67 km of Horizontal Loop EM was done (950 readings) at 25 meter stations on lines spaced at 100 meters apart. The coil spacing was 150 meters.

Corrections for coil attitude were done by measuring the slope between each station using a Suunto clinometer and then calculating a correction of the in-phase response with a computer program. The coils were read at a horizontal position to provide a consistent parameter throughout the survey. Power line noise was minimized by reversing receiver and transmitter positions.

5.1 Instrumentation: An Apex Maxmin II unit (ser. no. 1174) was used for the horizontal loop EM survey. Two frequencies were read, 444 and 1777 Hz, measuring the in-phase and quadrature components of the secondary field.

5.2 Survey Results: The results of the survey are presented in profile form on plans at 1:5000 scale. Conductor axis are indicated on the plans.

The survey delineated a series of 5 conductors labelled A to E. Conductors A to C occur along a common corridor. Although it is only one conductor trend it would be better to discuss the conductors according to segment characteristics.

Conductor A: This conductor spans L 0 and 100 E at 50 and 100 S respectively. It is strongest on L 100 E where the power stripping had taken place. The zone could be up to 25 meters in width and it may well be there is more than one conductor which could also make up a zone. The eastern extension of this anomaly may continue onto L 200 and even 300 E but the noise from the pipeline was too much. On L 300 E which ran right down the pipeline, readings were over 100% and off scale. The western extension of this conductor peters out quickly to a very weak quadrature response of 2%.

Conductor B: This anomaly is along the same trend as Conductor A. It is strong on L 700, 800 and 900 W and pinches out on the east and west ends similar to Conductor A. Like conductor A again, Conductor B appears to widen in the middle. On L 800 W the width could be up to 15 meters, L 900 W 10 meters and L 700 W 5 meters.

Conductors C: Conductor C is a weak extension of conductor B that may continue westward.

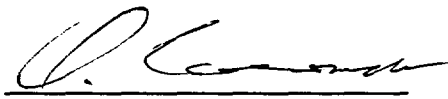
Conductor D: Anomaly D is weak one line response that could have a western extension as well.

Conductor E: A weak response that correlates with the lake bottom sediments of Rory Lake. The trend ends abruptly at the edges of the lake.

L 300 W 600 N to 200 S

Upon successful delineation and further definition of attitude of the conductors,
a drilling program is recommended.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'D. Laronde', is written over a solid horizontal line.

David Laronde
Geology Engineering Technologist

References

Geological Map - Ontario Geological Survey 1974

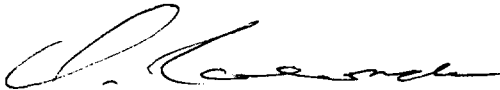
Geological Series Compilation Map 2361 Sudbury-Cobalt

CERTIFICATE OF AUTHOR

I, David Laronde of the town of Temagami, Ontario hereby certify:

1. That I am a geology technologist and have been engaged in my profession for the past 16 years.
2. That I am a graduate of Cambrian College in Sudbury with a diploma in Geology Engineering Technology 1979.
3. That my knowledge of the property described herein was acquired by field work and documentation.

Dated at Temagami this 25th day of November 1997.



David Laronde

GROUND MAGNETOMETER
SURVEY
WHITNEY LAKE & RIB LAKE
PROPERTIES
ONTARIO

for
AgArmeno Mines and Minerals Inc
Suite 1850-609 Granville Street
Vancouver B.C.

by
Gary Dunn Exploration
Matachewan Ontario

date
December 7 1997

NTS
41 0/05

INTRODUCTION

This report concerns a ground magnetometer survey that was conducted on the Whitney Lake and Rib Lake Properties which are presently optioned to AgArmeno Mines and Minerals Inc of Vancouver BC.

The survey was conducted on a chainsaw-cutline grid established a month previous.

PROPERTY DESCRIPTION, LOCATION & ACCESS

The subject Rib Lake property consists of 10 contiguous claims which were staked by the author during the staking rush in September 1996 which ensued with the relaxing of the Temagami Land Caution. The property was subsequently optioned to AgArmeno Mines and Minerals Inc.

The Whitney Lake Property consists of 8 claims (approx.23 units) part of a larger package staked by Gino Chitaroni and partners during the same staking rush and also subsequently optioned to AgArmeno Mines and Minerals Inc.

The properties are readily accessible. Both Properties are transected by the Trans Canada Pipeline as well as Highway 11, and along the east side the Ontario Northland Railway. As well, numerous trails and bush roads go through the properties (for example along the north shore of Whitney Lake)

These properties are situated about 10 km north of the town of Temagami in South Gillies Limit Township.(immediately north of Best Twp)

GEOLOGY

The Properties are underlain by rocks of the Abitibi subprovince of the Superior Structural Province of the Canadian Shield. More locally, the Rib Lake area is probably a small extension of the Temagami Greenstone Belt.

The rocks are comprised of early Archean Age tholeiitic and / or calcalkaline mafic to intermediate volcanic rocks. Early Archean Age granites were emplaced within the volcanics. Middle Precambrian Age Nipissing Diabase rocks have intruded the older rocks. These rocks are unconformably overlain by Proterozoic Age Gownganda Formation of the Huronian Group.

The majority of Cu Ni PGE occurrences are found in Archean ultramafic intrusive rocks or their extrusive equivalents. Significant platinum and palladium is sometimes associated with the Cu Ni sulphides.

" The presence of numerous and widely distributed metalliferous mafic and ultramafic intrusives, and their extrusive equivalents, within and adjacent to the Temagami Greenstone Belt, is significant. Prospecting for copper-nickel mineralization should be directed to known areas of mafic, ultramafic or anorthositic intrusions. Prospective areas include areas adjacent to Archean Basement- Proterozoic sediment contacts (ie: West of Rib Lake)"

from OGS Report 5941 page 226 paragraph 7

GROUND MAGNETOMETER SURVEY

During the week of December 1 to 7, 1997 a ground magnetometer survey was performed utilizing GSM-19 Ovfrauser magnetometers. For the base, unit serial # 9332 was utilized, and for the mobile units serial # 0175 was utilized by Gilbert Sauve and unit serial # 0996 was utilized by Gary Dunn.

These units are microprocessor-based instruments with storing capabilities up to 2 Mbytes. Synchronization is possible between the hand-held and base units and the correction for diurnal variation is done automatically. The results of measurements are made available in serial form (RS-232-interface) for collection on computer. The GSM-19 has a 2nT resolution and a 1nT absolute accuracy over it's full temperature range in the measurement of the Earth's magnetic field.

The units were synchronized to within + 1 ms and set to take readings at the same 5 second interval. At the end of the day the data corrected, then dumped to a computer diskette for storage. The data was subsequently sent by MODEM to Pro-Tech Drafting in La Ronge Saskatchewan for plotting.

Mag Operators	Gary Dunn Hse 17 First Nation Matachewan Ontario
	Gilbert Sauve Groom Drive North Cobalt (Haileybury) Ontario
Mag Rental	Highrock Contracting Box 450 La Ronge Saskatchewan
Plotting	Pro-Tech Drafting Box 802 La Ronge Saskatchewan ¹

The survey was performed on the chainsaw-cut grids established a month earlier. Lines are at 100m intervals with 25 m stations. Readings were taken on 25m stations. In the case of the Whitney Lake Grid some 25km was read with the lines in a north-south orientation.

In the case of the Rib Lake Grid to the south, some 10km was read @ 25m stations with the lines at an east-west orientation.



Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use) W9880.00070 Assessment Files Research Imaging



31M04NE2002 2.18122 GILLIES LIMIT 900

f subsection 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, assesment work and correspond with the mining land holder. Questions about this Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, ON N2G 1S6

LARDER LAKE MINING DIVISION FEB 3 1998

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

2.18122

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

Name: Ag ARMENO MINES + MINERALS, Client Number: 103006, Address: Box 10332 #1650-609 GRANVILLE ST. VANCOUVER BC V7Y 1G5, Telephone Number: (604) 681 1519, Fax Number: (604) 681 9428

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) [checked], Physical: drilling stripping, trenching and associated assays, Rehabilitation

Work Type: LINECUTTING GROUND MAGNETOMETER SURVEY, MAX-MIN EM SURVEY, Office Use, Dates Work Performed: 01 Oct 97 To 10 01 98, Township/Area: GILLIES LIMIT, Mining Division: Larder Lake, Resident Geologist: Kirkland Lake

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: Dundas Bain Consulting LTD, Telephone Number: (519) 451 1481, Address: #17-1318 HIGHBURY AVE LONDON ONT, Fax Number: SAME, Name: NSYSES, Telephone Number:

RECEIVED FEB 04 1998 GEOSCIENCE ASSESSMENT OFFICE 10:30

4. Certification by Recorded Holder or Agent

I, GARY CLAYTON DUNN, 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: Gary Clayton Dunn, Date: Jan 30/98, Agent's Address: Box 117 MATACHEWAN ONT, Telephone Number: (705) 565 2217, Fax Number: (705) 565 2506

Deemed May 1/98

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

W9880.00070

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 hectares.	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.	Bank. Value of work to be distributed at a future date.
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$8,892	\$4,000	0	\$4,892
1 1219938	4	2674	1112	1562	
2 1219940	2	1348	556	792	
3 1219926	1	674	278	396	
4 1219933	1	674	278	396	
5 1202750	4	2696	1112	1584	
6 1206387	4	2696	1112	1584	
7 1220134	4	2696	1112	1584	
8 1230637	4	2710		2710	
9 1212364	1		278		
10 1212365	11		3058		
11 1220145	13		3614		
12 1220146	8		2224		
13 1220136	5		1434		
14					
15					
Column Totals		16168	16168	10608	

I, GARY CLAYTON DUNN, do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing

Date

Jan 30/98

6. 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 on the attached appendix or as follows (describe):

RECEIVED
FEB 04 1998
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 RECEIVED LARDER LAKE MINING DIVISION FEB 3 1998 6:41 pm	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature)		



Statement of Costs for Assessment Credit

Transaction Number (office use) W9880.00070

Personal information collected on this form is obtained under the authority of subsection 8(1) of the Assessment Work Regulation 8/96. 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 9B5.

2.18122

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
LINECUTTING	26.84 KM	@ \$ 275	7381
MAGNETOMETEC	26 KM	@ 74.77	1944
MAX-MIN EM SURVEY	23.67 KM	@ 180	4260
EM REPORT			150
REPORT			2333
Associated Costs (e.g. supplies, mobilization and demobilization).			
	PRINTING		100
Transportation Costs			
Food and Lodging Costs			

RECEIVED
 FEB 04 1998
 GEOSCIENCE ASSESSMENT OFFICE

Total Value of Assessment Work

16,168

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, GARY CLAYTON DUNK (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 Costs as AGENT (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

RECEIVED
 MINING DIVISION

FEB 3 1998
 1:04 pm

Signature: [Signature] Date: FEB 30/98



Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use)
W9880.00069
Assessment Files Research Imaging

Personal information collected on this form is obtained under the authority of subsection 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, this 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 a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

LARDER LAKE MINING DIVISION

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

FEB 3 1998

1:04 pm

201812

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

Name A9 ARMENO MINES + MINERALS	Client Number 103006
Address Box 10332 # 1650-609 GRANVILLE ST. VANCOUVER BC. V7Y 1G5	Telephone Number (604) 681 1519
	Fax Number (604) 681 9428
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) <input checked="" type="checkbox"/>	Physical: drilling stripping, trenching and associated assays	Rehabilitation
Work Type BACK HOE STRIPPING, MAPPING, SAMPLING, ASSAYS	Office Use	
	Commodity	
	Total \$ Value of Work Claimed	8,831
Dates Work Performed From 01 Oct 97 To 10 Jan 1998	NTS Reference	
Global Positioning System Data (if available) NTS 31 M/04 LAT 47° 15' NORTH LONG 79° 45' WEST	Township/Area GILLIES LIMIT	Mining Division Larder Lake
	M or G-Plan Number	Resident Geologist District Kirkland Lake

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 DUNCAN BAIN CONSULTING LTD	Telephone Number (519) 451 1481
Address #17-1318 Highbury Ave London ON N5Y 5E5	Fax Number SAME
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number

RECEIVED
FEB 04 1998
GEOSCIENCE ASSESSMENT OFFICE

4. Certification by Recorded Holder or Agent

I, GARY CLAYTON DUND, 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>[Signature]</i>	Date JAN 30/98
Agent's Address Box 117 MATACHEWAN ONT POKIMO	Telephone Number (705) 565 2217
	Fax Number (705) 565 2506

Deemed May 4/98

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

W9880.00069

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 hectares.	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.	Bank. Value of work to be distributed at a future date.
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$8,892	\$4,000	0	\$4,892
1 1206387	4	4415	608	3807	
2 1219938	4	4416	608	3808	
3 1212364	1		152		
4 1212365	11		1672		
5 1220145	13		1976		
6 1220146	8		1216		
7 1219926	1		152		
8 1219933	1		152		
9 1202750	4		608		
10 1220134	4		608		
11 1220136	5		760		
12 1219940	2		319		
13					
14					
15					
Column Totals		8831	8831	7615	

I, GARY CLAYTON DUDN (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Record Holder or Agent Authorized in Writing

Date Jan 30/98

6. 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 on the attached appendix or as follows (describe):

RECEIVED
FEB 04 1998
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 LARDER LAKE MINING DIVISION FEB 3 1998 1:04 PM	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature)		



Statement of Costs for Assessment Credit

Transaction Number (office use) W9880.00069

Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/98. Under section 6 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, 633 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

2018122

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
(BACKHOE) POWER STRIPPING	39 HRS @ \$70	\$70/HR	2730
SUPERVISION			989
MAPPING	3 DAYS @	\$350/DAY	1050
ASSAYS			1124
REPORT			2333
Associated Costs (e.g. supplies, mobilization and demobilization).			
	REPORT PRINTING		165
Transportation Costs			
			365
Food and Lodging Costs			
			75
			8831

RECEIVED
 FEB 04 1998
 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 x 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, CARY CLAYTON DUND (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.

RECEIVED
 LARDER LAKE
 MINING DIVISION

FEB 8 1998

[Signature]
 Signature

Date Jan 30/98

May 1, 1998

AG ARMENO MINES AND MINERALS INC.
P.O. BOX 10332, SUITE 1650
PACIFIC CENTRE, 609 GRANVILLE STREET
VANCOUVER, B.C.
V7Y-1G5

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

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

Dear Sir or Madam:

Submission Number: 2.18122

	Status
Subject: Transaction Number(s):	W9880.00069 Approval
	W9880.00070 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.

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,



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

Work Report Assessment Results

Submission Number: 2.18122

Date Correspondence Sent: May 01, 1998

Assessor: Bruce Gates

General Comment:

Note: As a result of the centralization of assessment work on future submissions you may report both physical and geotechnical work together on only one form.

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9880.00069	1206387	GILLIES LIMIT	Approval	May 01, 1998

Section:

17 Assays ASSAY
10 Physical PSTRIIP

For future physical work submissions include as per section 10(2) (iii) the type of equipment used and (iv) the hours and dates that the equipment was used and the operator worked and the hourly rates for each.

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9880.00070	1219938	GILLIES LIMIT	Approval	May 01, 1998

Section:

14 Geophysical MAG
14 Geophysical EM

Correspondence to:

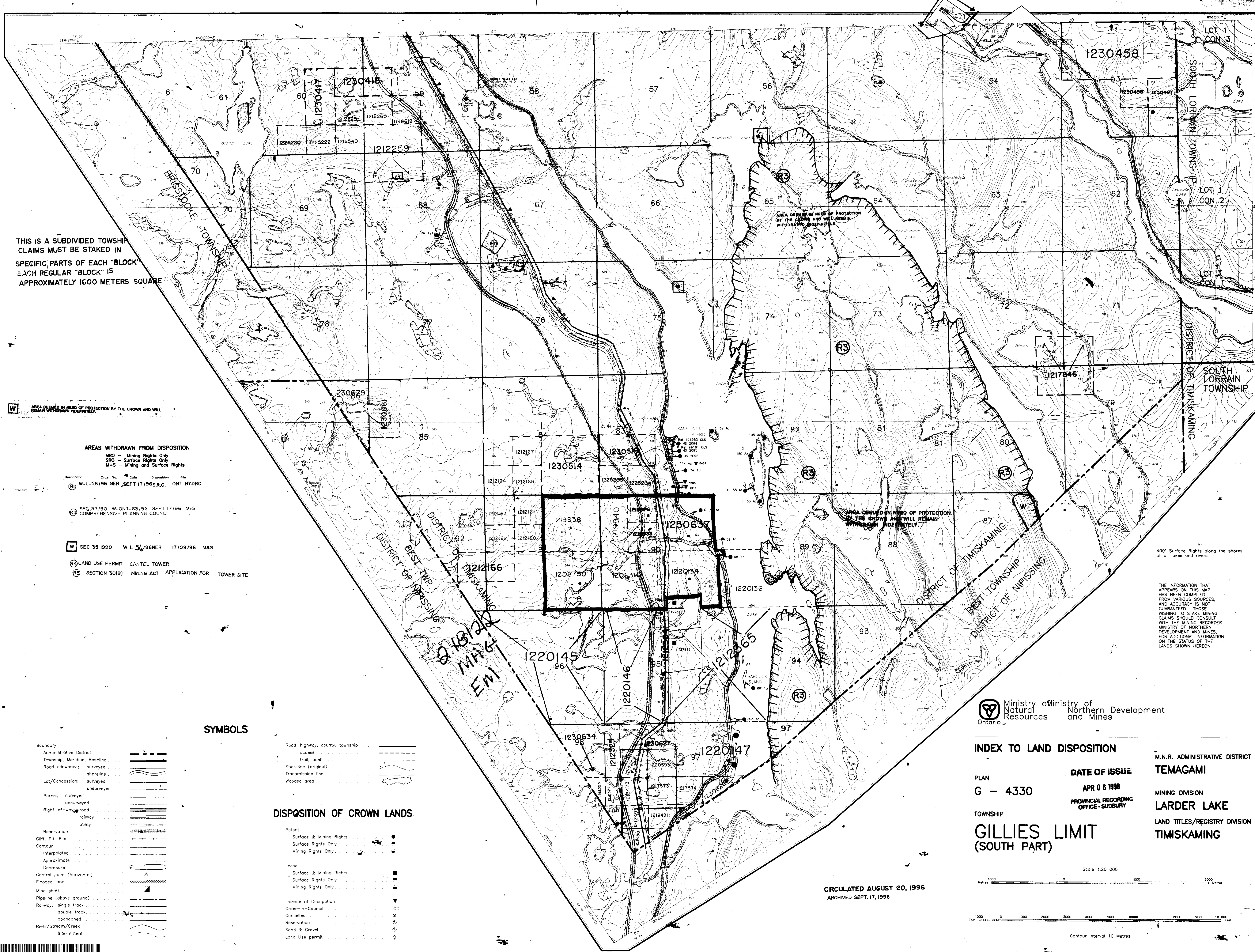
Resident Geologist
Kirkland Lake, ON

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

Gary Dunn
MATACHEWAN, ONTARIO, CANADA

Assessment Files Library
Sudbury, ON

AG ARMENO MINES AND MINERALS INC.
VANCOUVER, B.C.



THIS IS A SUBDIVIDED TOWNSHIP
CLAIMS MUST BE STAKED IN
SPECIFIC PARTS OF EACH "BLOCK"
EACH REGULAR "BLOCK" IS
APPROXIMATELY 1600 METERS SQUARE

W AREA DEEMED IN NEED OF PROTECTION BY THE CROWN AND WILL REMAIN WITHDRAWN INDEFINITELY.

AREAS WITHDRAWN FROM DISPOSITION
MRO - Mining Rights Only
SRO - Surface Rights Only
M+S - Mining and Surface Rights

① W-L-59/96 NER SEPT 17/96 S.R.O. ONT HYDRO

② SEC 35/90 W-ONT-63/96 SEPT 17/96 M+S COMPREHENSIVE PLANNING COUNCIL

W SEC 35 1990 W-L-5/96NER 17/09/96 M+S

④ LAND USE PERMIT CANTEL TOWER

⑤ SECTION 30(B) MINING ACT APPLICATION FOR TOWER SITE

AREA DEEMED IN NEED OF PROTECTION BY THE CROWN AND WILL REMAIN WITHDRAWN INDEFINITELY.

400' Surface Rights along the shores of all lakes and rivers

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.

SYMBOLS

- Boundary
- Administrative District
- Township, Meridian, Baseline
- Road allowance: surveyed
- shoreline
- Lot/Concession: surveyed
- unsurveyed
- Parcel: surveyed
- unsurveyed
- Right-of-way: road
- railway
- utility
- Reservation
- Cliff, Pit, Pile
- Contour
- Interpolated
- Approximate
- Depression
- Control point (horizontal)
- Flooded land
- Mine shaft
- Pipeline (above ground)
- Railway: single track
- double track
- abandoned
- River/Stream/Creek
- Intermittent

- Road: highway, county, township
- access
- trail, bush
- Shoreline (original)
- Transmission line
- Wooded area

DISPOSITION OF CROWN LANDS

- Patent
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only
- Lease
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only
- Licence of Occupation
- Order-in-Council
- Cancelled
- Reservation
- Sand & Gravel
- Land Use permit

Ministry of Natural Resources Ontario
Ministry of Northern Development and Mines

INDEX TO LAND DISPOSITION

PLAN
G - 4330

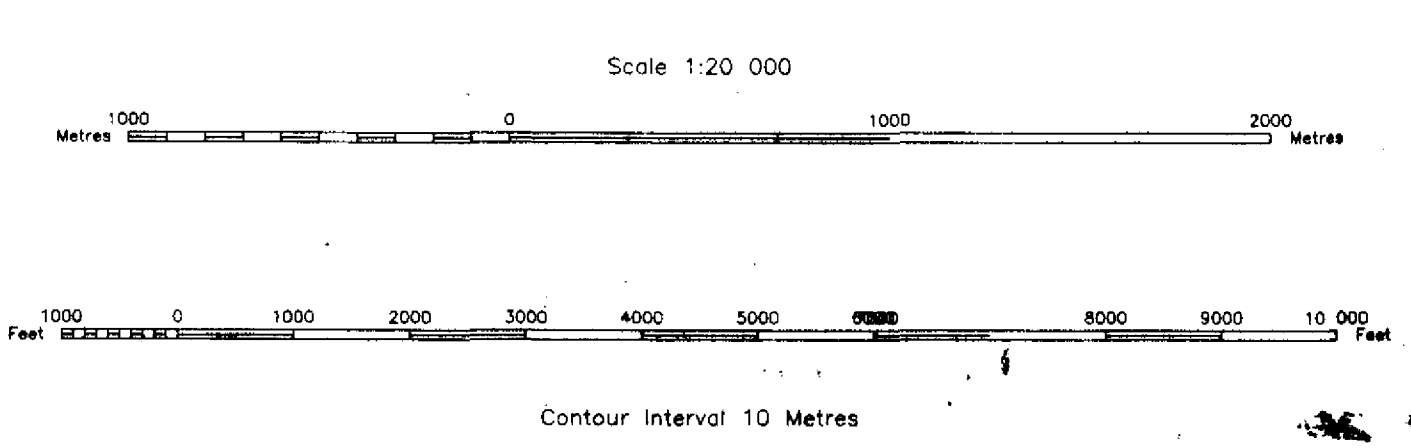
DATE OF ISSUE
APR 06 1998

TOWNSHIP
GILLIES LIMIT (SOUTH PART)

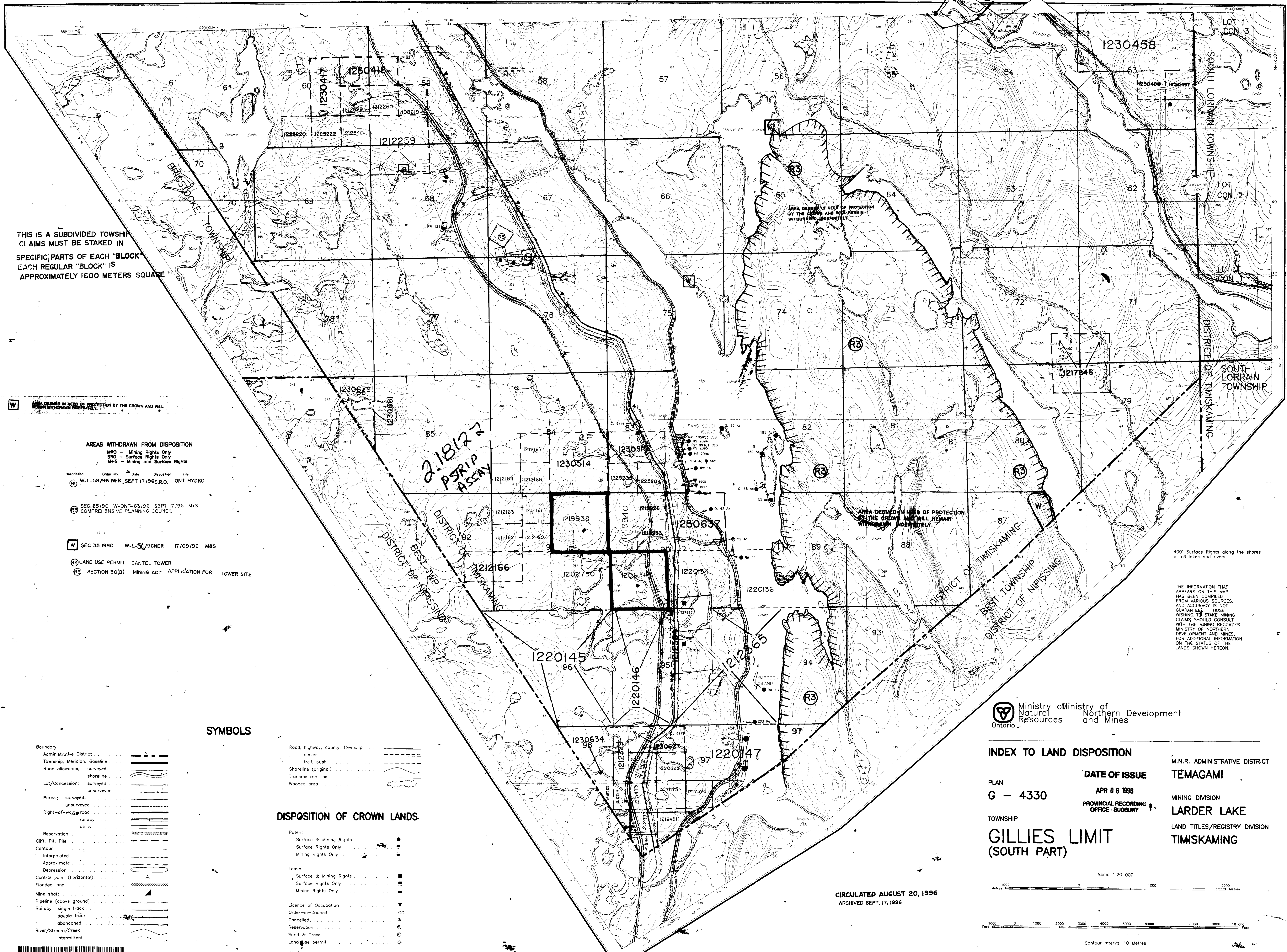
M.N.R. ADMINISTRATIVE DISTRICT
TEMAGAMI

MINING DIVISION
LARDER LAKE

LAND TITLES/REGISTRY DIVISION
TIMSKAMING



CIRCULATED AUGUST 20, 1996
ARCHIVED SEPT. 17, 1996



THIS IS A SUBDIVIDED TOWNSHIP CLAIMS MUST BE STAKED IN SPECIFIC PARTS OF EACH "BLOCK" EACH REGULAR "BLOCK" IS APPROXIMATELY 1600 METERS SQUARE

AREA DEEMED IN NEED OF PROTECTION BY THE CROWN AND WILL REMAIN WITHDRAWN INDEFINITELY.

AREAS WITHDRAWN FROM DISPOSITION
 MRO - Mining Rights Only
 SRO - Surface Rights Only
 M+S - Mining and Surface Rights

- | Description | Order No. | Date | Disposition | File |
|-------------|-------------------------|--------------|-----------------|--------------------------------|
| (M) | W-L-58/96 NER | SEPT 17/96 | S.R.O. | ONT HYDRO |
| (S) | SEC 35/90 W-ONT-63/96 | SEPT 17/96 | M+S | COMPREHENSIVE PLANNING COUNCIL |
| (W) | SEC 35 1990 W-L-5/96NER | 17/09/96 | MBS | |
| (L) | LAND USE PERMIT | CANTEL TOWER | | |
| (S) | SECTION 30(B) | MINING ACT | APPLICATION FOR | TOWER SITE |

SYMBOLS

- Boundary
- Administrative District
- Township, Meridian, Baseline
- Road allowance: surveyed
- Lot/Concession: surveyed
- Parcel: surveyed
- Right-of-way: road
- Reservation
- Cliff, Pit, Pile
- Contour
- Interpolated
- Approximate
- Depression
- Control point (horizontal)
- Flooded land
- Mine shaft
- Pipeline (above ground)
- Railway: single track
- River/Stream/Creek

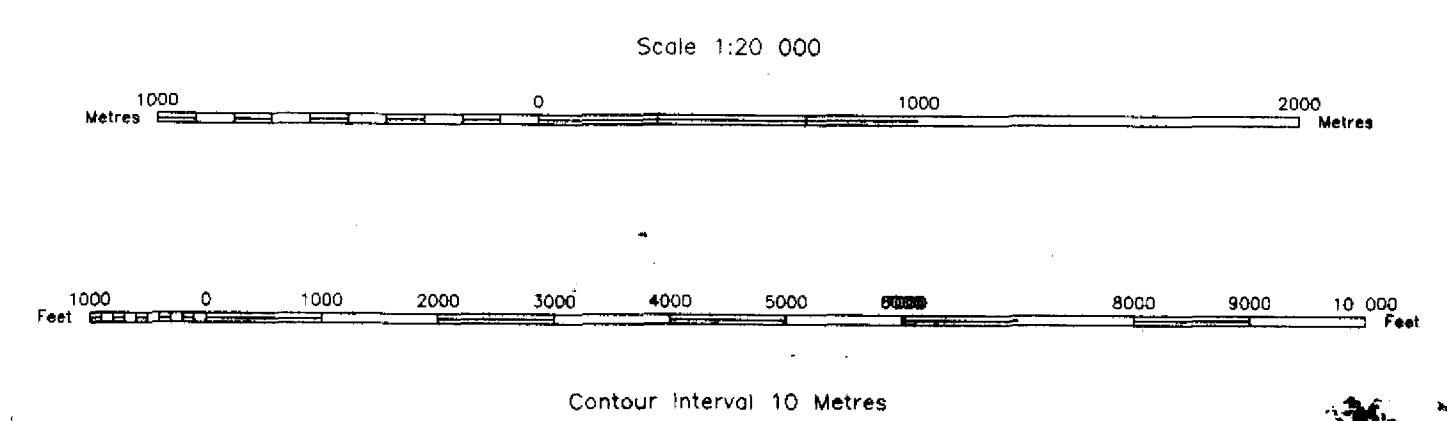
DISPOSITION OF CROWN LANDS

- Patent
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only
- Lease
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only
- Licence of Occupation
- Order-in-Council
- Cancelled
- Reservation
- Sand & Gravel
- Land use permit

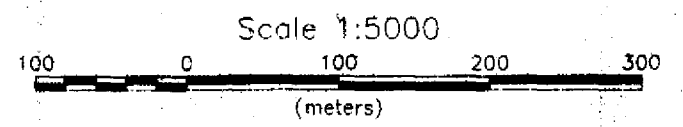
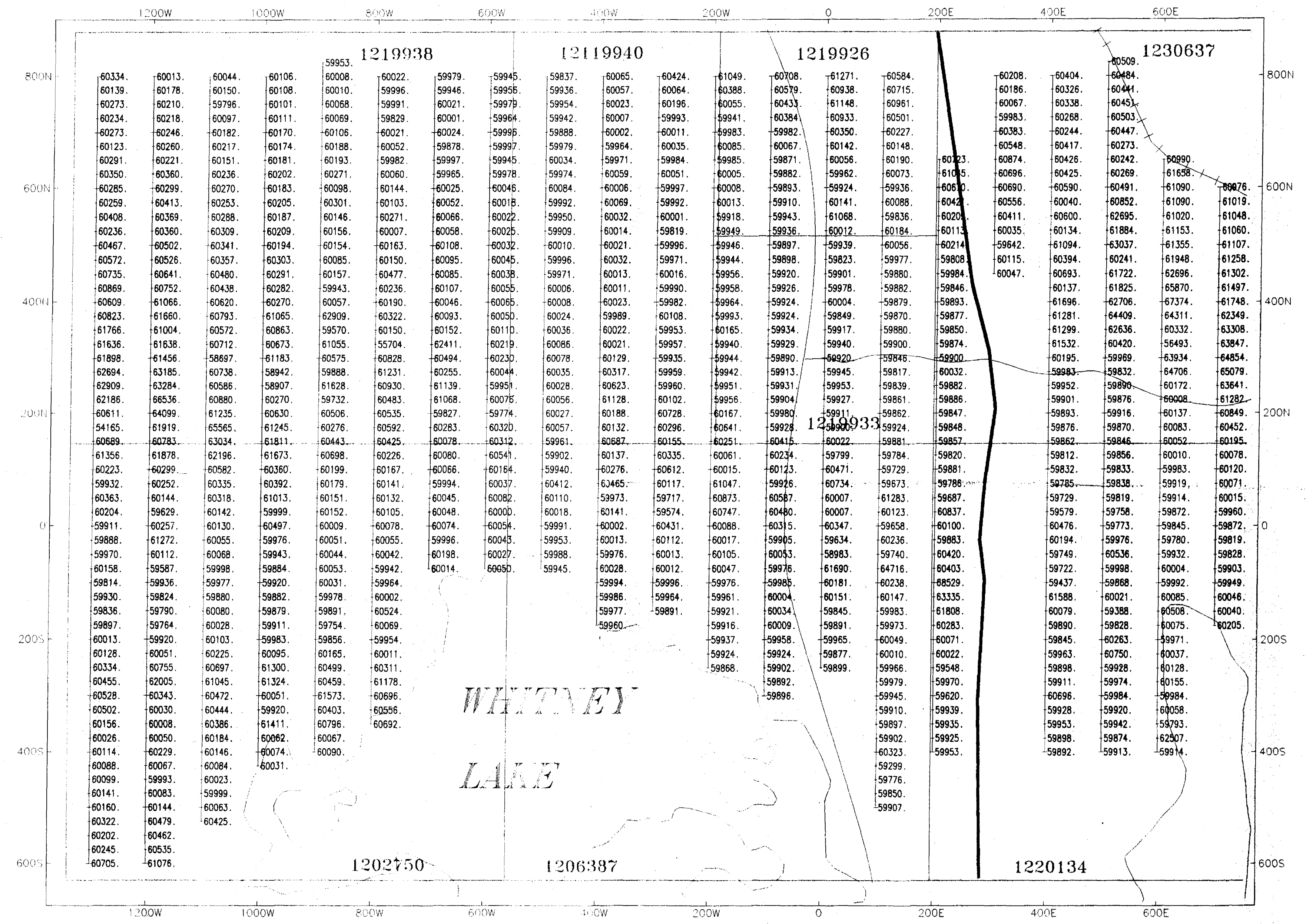
Ministry of Natural Resources Ontario / Ministry of Northern Development and Mines

INDEX TO LAND DISPOSITION		M.N.R. ADMINISTRATIVE DISTRICT
PLAN	G - 4330	TEMAGAMI
DATE OF ISSUE	APR 06 1998	MINING DIVISION
TOWNSHIP	GILLIES LIMIT (SOUTH PART)	LAND TITLES/REGISTRY DIVISION
		LARDER LAKE
		TIMSKAMING

CIRCULATED AUGUST 20, 1996
 ARCHIVED SEPT. 17, 1996



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 GEOSCIENCE ASSESSMENT
 OFFICE

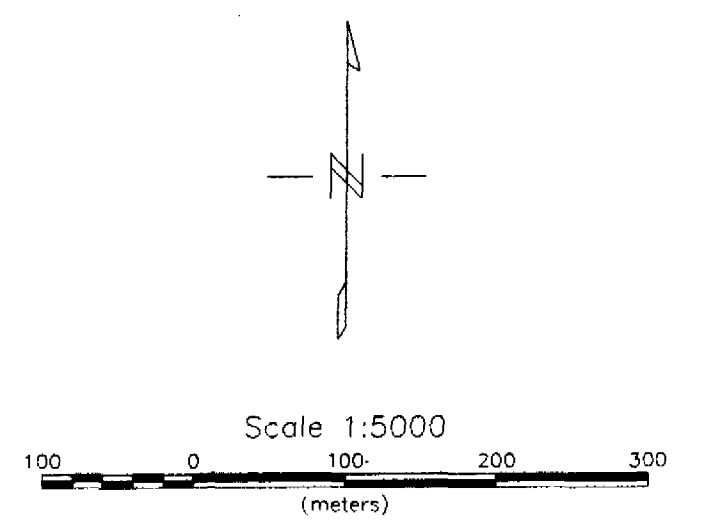
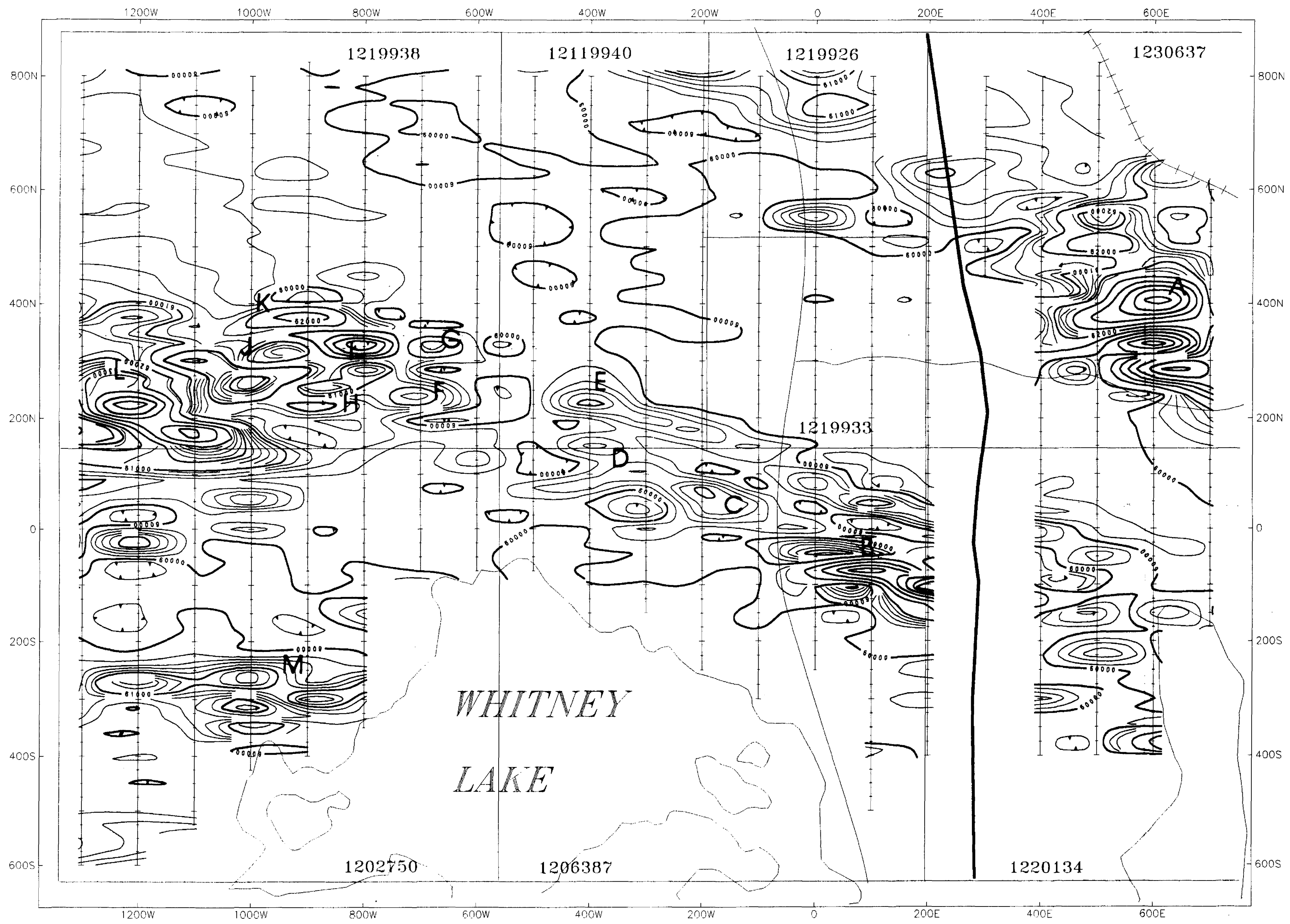


12.18122

Ag Aremeno Mines & Minerals Inc.
 GROUND MAGNETICS SURVEY - POSTINGS
 WHITNEY LAKE PROPERTY
 INSTRUMENT: GSM 19 MAGNETOMETER DATE: DEC 1997
 BASE STATION CORRECTED
 DRAWN BY: PRO-TECH DRAFTING - LARONGE, SASK
 GARY DUNN EXPLORATION

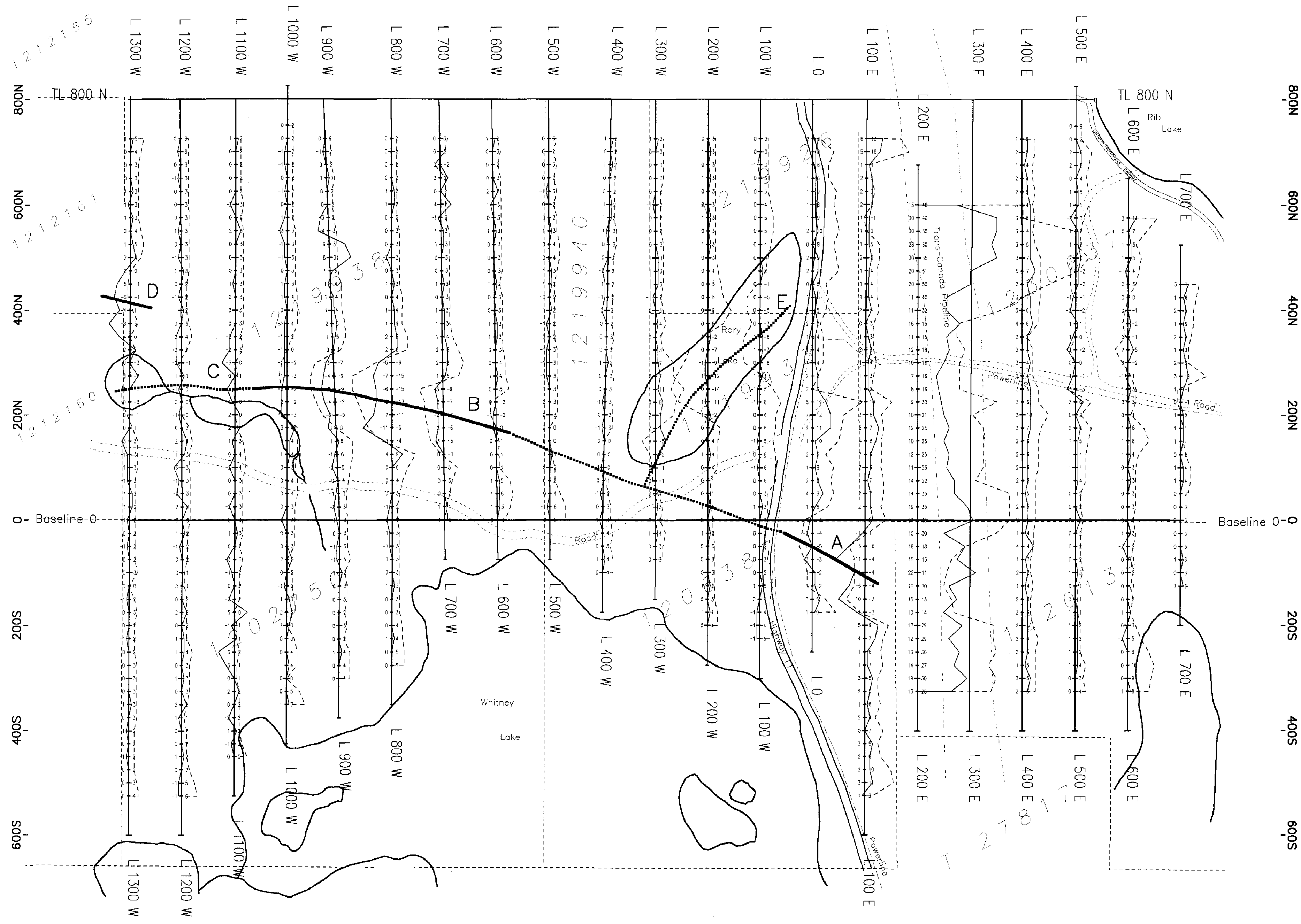
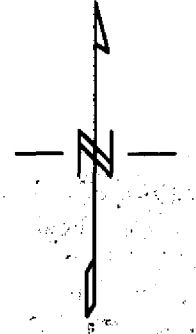


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 GEOSCIENCE ASSESSMENT
 OFFICE

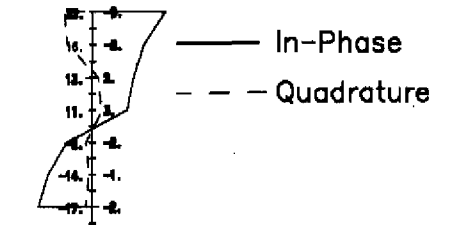


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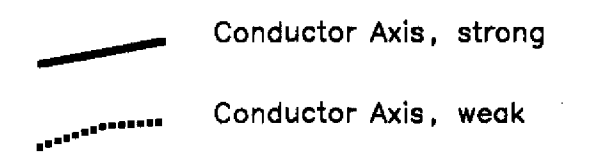
Ag Aremeno Mines & Minerals Inc.
GROUND MAGNETICS SURVEY - CONTOURS
WHITNEY LAKE PROPERTY
 INSTRUMENT: GSM 19 MAGNETOMETER DATE: DEC 1997
 BASE STATION CORRECTED
 DRAWN BY: PRO-TECH DRAFTING - LARONGE, SASK
GARY DUNN EXPLORATION



2.18122



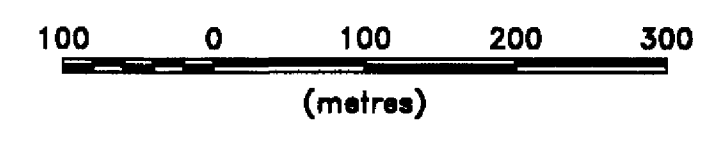
Profile Scale: 1 cm = 10%



Note: Line 300 E was read but all readings were off scale and therefore not plotted.

RECEIVED
FEB 04 1998
GEOSCIENCE ASSESSMENT
OFFICE

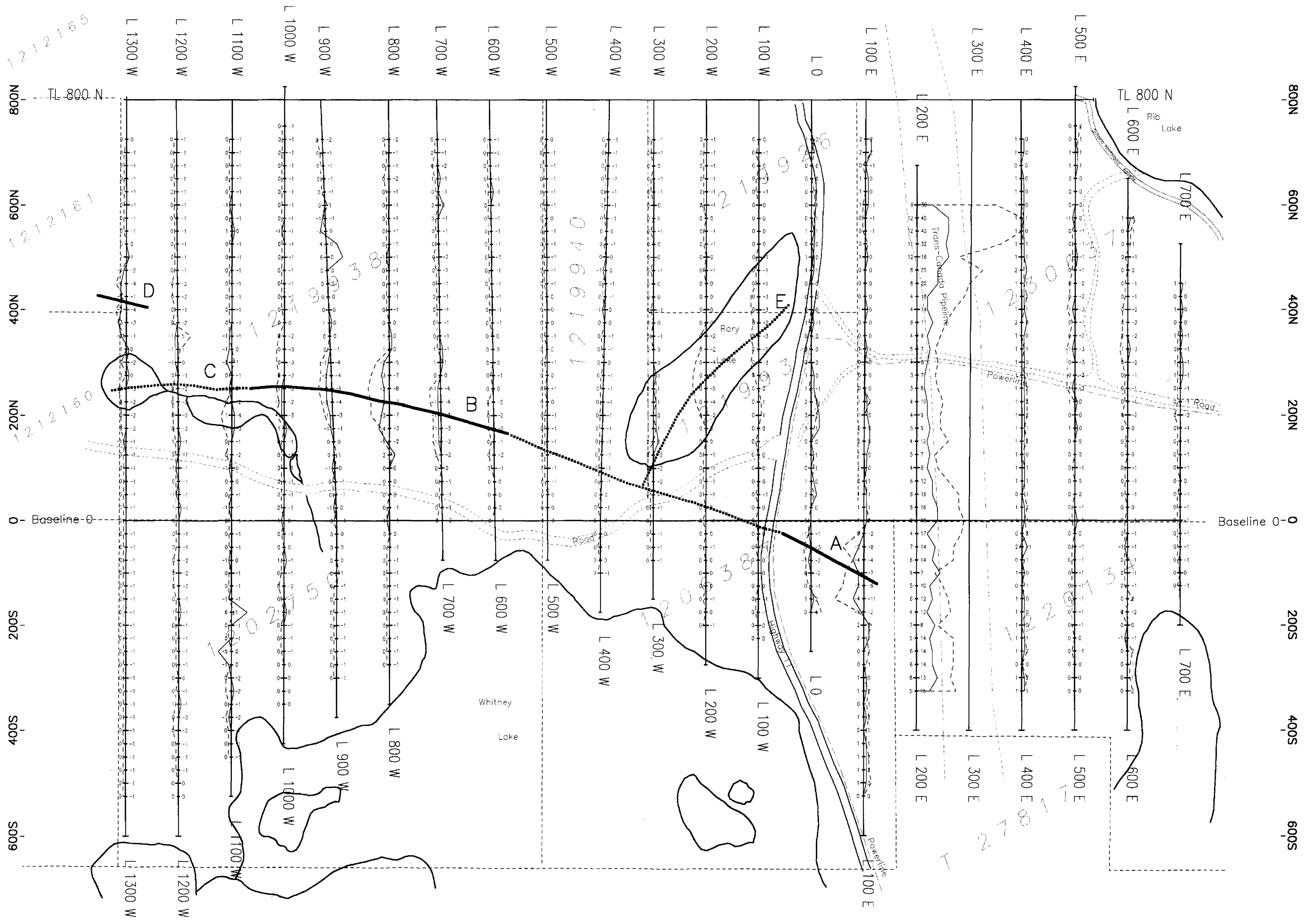
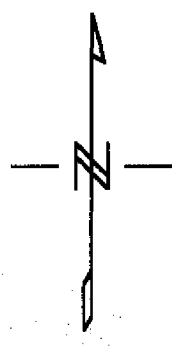
Scale 1:5000



Instruments: APEX Maxmin II - Coil Spacing 150 meters - Serial #1174

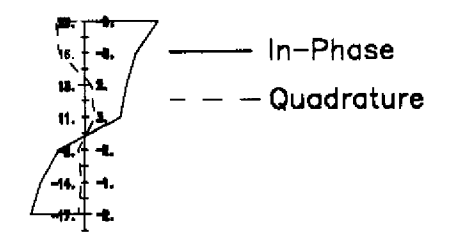


AG Armeno Mines and Minerals Inc. Whitney Lake Project	
Gillies Limit South Township	
Ground Geophysical Surveys HLEM II Survey 1777 Hz. - Profiles	
Date processing and interpretation by: Meegwich Consultants Inc.	Scale 1:5000 NTS 31 M/4 November 1997

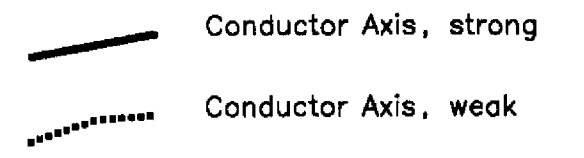


800N
600N
400N
200N
0
200S
400S
600S

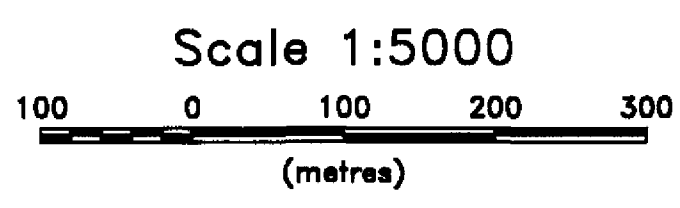
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Profile Scale: 1 cm = 10%



Note: Line 300 E was read but all readings were off scale and therefore not plotted.



Instruments: APEX Maxmin II - Coil Spacing 150 meters - Serial #1174

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FEB 04 1998
GEOSCIENCE ASSESSMENT OFFICE

AG Armino Mines and Minerals Inc. Whitney Lake Project	
Gillies Limit South Township	
Ground Geophysical Surveys HLEM II Survey 444 Hz. - Profiles	
Data processing and interpretation by: Meegwich Consultants Inc.	Scale 1:5000 NTS 31 M/4 November 1997

