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WABIGOON RESOURCES LIMITED

THE HUNTER MINE
WHITNEY TOWNSHIP ONTARIO

GENERAL SUMMARY

by

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SUMMARY

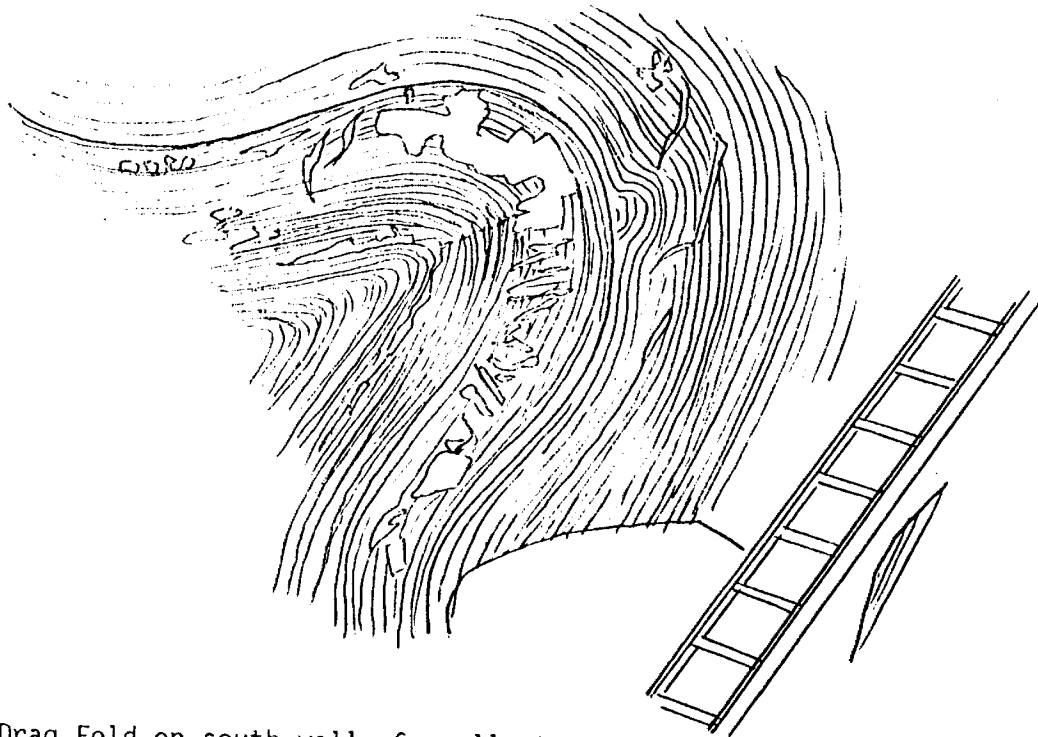
Integration of all available drilling information from the Hunter Mine indicates the presence of 8 (possibly 9) gold-bearing quartz vein systems along a strike length of 1675 feet contained within a 300 foot thick zone of sheared sedimentary and volcanic rock. These vein systems appear to be conformable with the rock, and are deformed into a syncline whose axis passes very close to, but westward from, the mine workings. The gold-bearing zones bottom out at a depth of about 600 feet near the shaft area but at a greater depth northward owing to a northward plunge of about 20° to the syncline. Other gold values are contained within dikes of quartz feldspar porphyry and albitite which may extend to depth below the deepest levels of the mine. A lower value of 0.01 ounces of gold to the ton, approximately one-tenth the value of 2 commercially successful mining operations in the area (Pamour at 0.08 and Dome at 0.126) has been used to define the term "gold-bearing". Average gold-bearing intersections in past diamond drilling of various veins has ranged from 3 feet to 5.93 feet; an overall average for all intersections being 4.77 feet.

One of the vein systems, here called the Main Vein, was traced by diamond drilling in 1986 and found to have an average grade across 5 feet of 0.238 ounces of gold per ton for a strike length of 1450 feet, within which a 950 foot zone averages 0.3556 ounces per ton. It is now realized that 2 of the drill holes in fact obtained their intersections from a different, parallel, vein. This reduces the average grade of the 1450 foot zone to 0.2264 and of the 950 foot length to 0.3198 ounces per ton but at the same time transfers these intersections to the other vein.

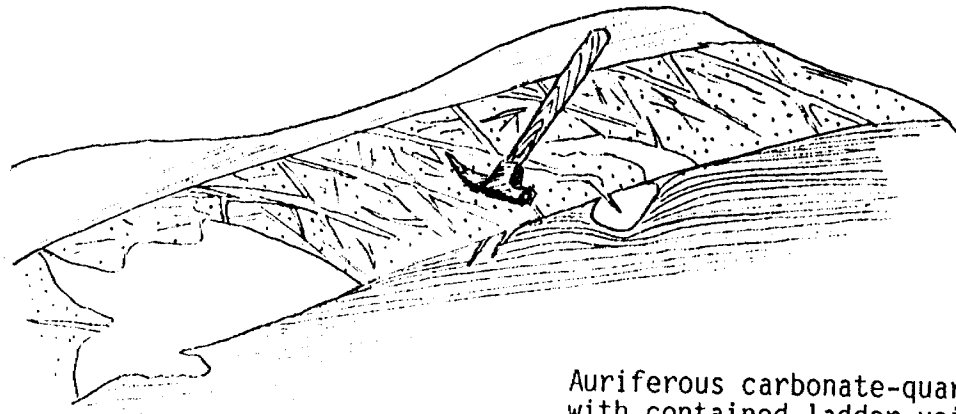
By calculating a gross average of all intersections in these 8 veins (81 intersections in all) without regard to intersected length, an average of 0.137 ounces of gold to the ton results. By multiplying the various lengths of the veins (between 400 and 1450 feet) by their respected indicated dip lengths (between 400 and 800 feet) times their respective thicknesses (3 to 5.93 feet) and using a dividing factor of 12, some 1.644 million tons results. This is not to say that this amount of material at any particular grade is mineable at a profit from the Hunter Mine, but it does indicate the order of magnitude of the gold-bearing material present. This figure may be increased by extensions in the strike, dip, or thickness parameters, or decreased by discontinuities in the veins.

Enrichment of the veins is related to drag folding in the containing rocks, this enrichment being to 0.29 and 0.61 ounces of gold to the ton as indicated in previous mining activities, and to the 0.7 ounces per ton range as indicated in the 1986 drilling. It is recommended that, in addition to the exploration program already in progress on the Main Vein at the Hunter Mine, considerable work be done in locating enrichment of the veins in the drag folds for the purpose of locating mineable ore shoots of reasonably high grade. The current exploration program should be extended to include the other indicated veins in addition to the Main Vein. This should entail little increase in the already-budgeted expenditure of approximately \$3,000,000 to bring the program to the point of making a production decision.

FRONTISPIECE



Drag Fold on south wall of small stope, 300 foot level of Hunter Mine, with concordant quartz vein. Sketched from a photograph.



Auriferous carbonate-quartz vein with contained ladder veins cutting discordantly through well-layered units of the Alteration Zone, probably of sedimentary origin. Note clast. Discordance may be due to current bedding. Location on surface immediately south of shaft, Hunter Mine, now covered. Sketched from two photographs (composite drawing).



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CONTENTS

INTRODUCTION.....1
 GEOLOGY.....3
 MINERALIZATION.....5
 CONCLUSIONS.....18
 RECOMMENDATIONS.....19
 DECLARATION.....20

TABLES

TABLE 1-UPPER MAIN VEIN....11
 TABLE 2-MAIN VEIN.....11
 TABLE 3-LOWER MAIN VEIN....12
 TABLE 4: EAST VEIN.....12
 TABLE 5:MIDDLE VEIN.....13
 TABLE 6: EAST MIDDLE VEIN..13
 TABLE 7:DEEP VEIN.....13
 TABLE 8:EAST DEEP VEIN.....14
 TABLE 9:UNASSIGNED VALUES..15
 TABLE 10: AVERAGES.....15

FIGURES

FIGURE 1:SECTION 10,000.....6
 FIGURE 2:SECTION 10,500.....7
 ILLUSTRATIONS DERIVED FROM PHOTOGRAPHS.....FRONTISPIECE ii

APPENDIX

SECTIONS: 9000, 9250, 9450, 9850, 10,000, 10,050, 10,100, 10,150,
 10,200, 10,250, 10,300,10,350, 10,400, 10,450, 10,500, 10,550,
 10,600, 10,650, 10,700,10,950, 11,150, 11,500.

THE HUNTER MINE, WHITNEY TOWNSHIP, ONTARIO

GENERAL SUMMARY

by

John L. Kirwan

INTRODUCTION

The Hunter Mine, situated on the east shore of Porcupine Lake in northern Ontario, was discovered on November 6, 1907 by Gore Bruce, a prospector who had been grubstaked by Toronto lawyer H.F. Hunter early in the same year. The discovery predated that by Jack Wilson on the adjoining ground to the west in 1909 which became the Dome Mine and which resulted in the development of the Porcupine Mining camp, now centered on the city of Timmins, a few miles to the west. The Hunter Mine saw a brief period of gold production between 1938 and 1940 during which period some 10,821 tons of rock were milled and 1,369 ounces of gold and 86 ounces of silver were recovered, for an average grade of gold of 0.1265 ounces to the ton, which is remarkably close to the 0.13 obtained from the neighbouring Dome Mine. These grades, however, were uneconomic in the 1930's, and the Hunter Mine at no time was self-sup-

orting. Although estimated grades in the stoped areas of the mine were 0.61 in the first level stope and 0.29 in the second level stope, the operators diluted these grades by milling development rock which graded in the 0.08 range. No mining activities took place below 300 feet below surface, though the incline shaft goes down to beyond 700 feet.

In 1983, Wabigoon Resources Limited, of Toronto, acquired the property and conducted exploration on it, consisting of:

- a. in 1983 surface stripping and sampling,
- b. in 1984, geophysical surveys,
- c. in 1985, a program of 8 drill holes from surface, and 5 from underground, the mine having been dewatered to 300 feet,
- d. in 1986, a program of 19 diamond drill holes from the frozen surface of Porcupine Lake, which resulted in the discovery of a gold-bearing zone below and beyond the mined areas with a strike length of 1450 feet, a width of 5 feet which locally thickened to 9 feet, and a contained grade across these 5 feet of 0.238 ounces of gold to the ton, within which a 950 foot zone containing an average grade of 0.3556 was indicated,
- e. in 1987, surface construction of a headframe, hoist, and related buildings for the purpose of obtaining underground access by drifting to explore and develop the discovery zones of 1986, and
- f. in 1988, the dewatering of the mine to the 400 foot level, and the drilling of 8 of a planned 60 drill holes. For financial reasons this work was suspended in mid-1988.

For a more thorough summary of the work conducted in the 1983-1988 period, as well as the mine's earlier history, the reader is referred to the following reports:

1. The Hunter Mine Property, Whitney Township, Ontario: General Account, by John L. Kirwan, March 20, 1987, updated May 18, 1988.
2. Hunter Mine, Whitney Township, Ontario, 1988 Drilling Program, Summary of Results, by John L. Kirwan, dated October 28, 1988.

For estimates of mine grade and potential based on data from the 1910-1940 period, the reader is referred to the following report:

3. Wabigoon Soapstone Company Limited Report on the Porcupine Lake Gold Mine Property, by David S. Robertson & Associates (Fred Barnes) dated May 9, 1983.

The property consists of 7 patented mining claims situated in Lots 9 and 10, Concession III, Whitney Township, Porcupine Mining Division, Ontario, and contains approximately 210 acres. As of January, 1988 when the writer searched the titles to this ground, all mining rights were vested in Wabigoon Resources Limited. Titles were clear of encumbrances except for Parcel 9738 (Claim 10272) against which a development agreement with the City of Timmins dated March 8, 1984 is recorded, and against which a lien dated November 4, 1987 for \$10,226.50 from J. Logan Kerr Limited of Timmins is also recorded. This claim contains the mine buildings which were erected in accordance with the agreement with the City of Timmins. The writer understands that the lien refers to work performed by Kerr for a client other than Wabigoon and that therefore it is not Wabigoon's responsibility.

GEOLOGY

The rocks on the property occupy a wedge of ground bordered on the north by the plane of the Destor-Porcupine Fault, which is a regional fault with a northeasterly strike and steep northerly dip, and on the south by the plane of a related, parallel, fault termed the Bob's Lake Fault. North of the Destor-Porcupine Fault, units of the Tisdale Group of rocks, which contain the majority of orebodies in the Timmins area, occur, and south of the Bob's Lake Fault units of the older Deloro Group of rocks, containing notably fewer orebodies, occur. Within the wedge separating the two major faults, and within the Hunter Mine workings, the contact phase of the Deloro and Tisdale rocks exists. This contact phase is marked by the transition, from greywackes and argillites of the Deloro Group, to ultramafic sills and flows of the Tisdale Group, through an approximately 300 foot thick zone of sericitic schists which are derived in part from the greywacke-argillite series, in part from basaltic units near the top of this series, and in part from the ultramafic rocks of the Tisdale Group. This area of transition is collectively termed the Alteration Zone. Nearly all areas of gold mineralization are within this Alteration Zone. Mining activity has been restricted to the Main Vein in the Hunter Mine, which closely follows the contact between the Alteration Zone and the overlying ultramafics of the Tisdale Group.

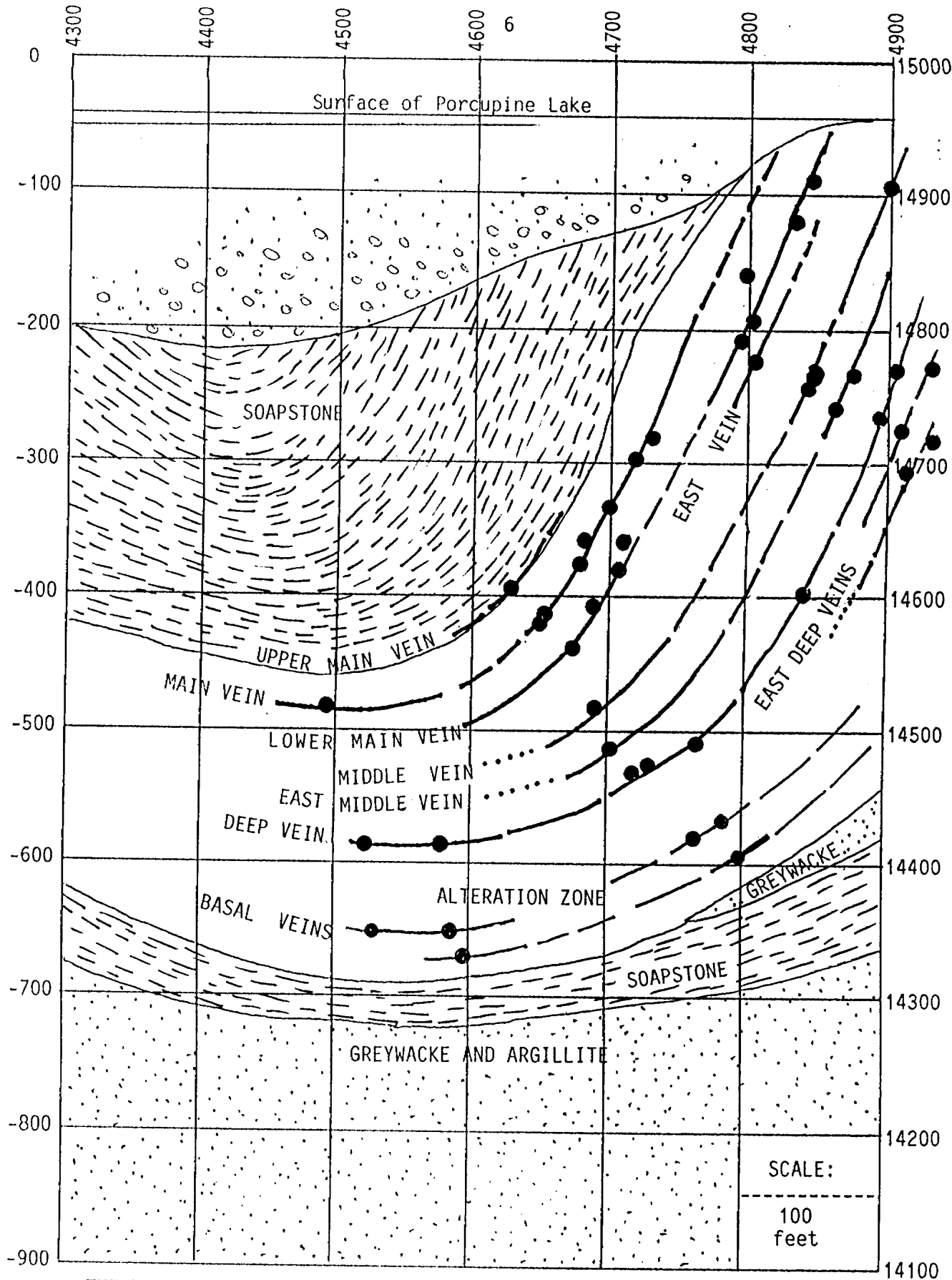
In general, a thin ultramafic sill separates the Alteration Zone from unaltered rocks of the Deloro Group, but this is not always the case and several areas exist where the two rock units are in contact, and other areas exist where the altered rocks extend below this sill, in places separated from the sill by a zone of unaltered greywacke. But in general the Alteration Zone is bounded by ultramafic rock: upwards by the Tisdale Group and downwards by a sill.

Overall, the succession has been deformed into a series of anticlines and synclines. The area immediately under Porcupine Lake wherein the known gold occurrences are found is a syncline with a steep eastern side and a gentle western one. Eastward, a matching anticline is indicated with steep western and gentle eastern sides. These structures pitch northward at angles of up to 20°, possibly greater as the Destor-Porcupine Fault is approached. Geophysical evidence suggests that the Alteration Zone continues around the nose of the pitching anticline to be repeated on the eastern side of the property.

Within the mine area the rocks are cut by dikes and sills of quartz feldspar porphyry, some of which bodies are auriferous or are closely associated with zones of alteration and silicification which are auriferous. It is not certain, however, if the gold-bearing units are conformable with the host rocks or are cross-cutting. Available evidence suggests conformability of the gold-bearing quartz veins but a cross-cutting relationship of some of the porphyries. About a dozen quartz vein systems are recognized from the property, at least 8 of which can be described as gold-bearing---that is to say, returning assays over 0.01 ounces of gold to the ton, or about one-tenth the grade that has elsewhere in the Timmins area proved to be economic.¹

A north-northwest trending diabase dike cuts across the property and is exposed on the shoreline north of the mineshaft and at the north end of the first level drift immediately below, but curiously enough not in diamond drill holes which cut below this area.

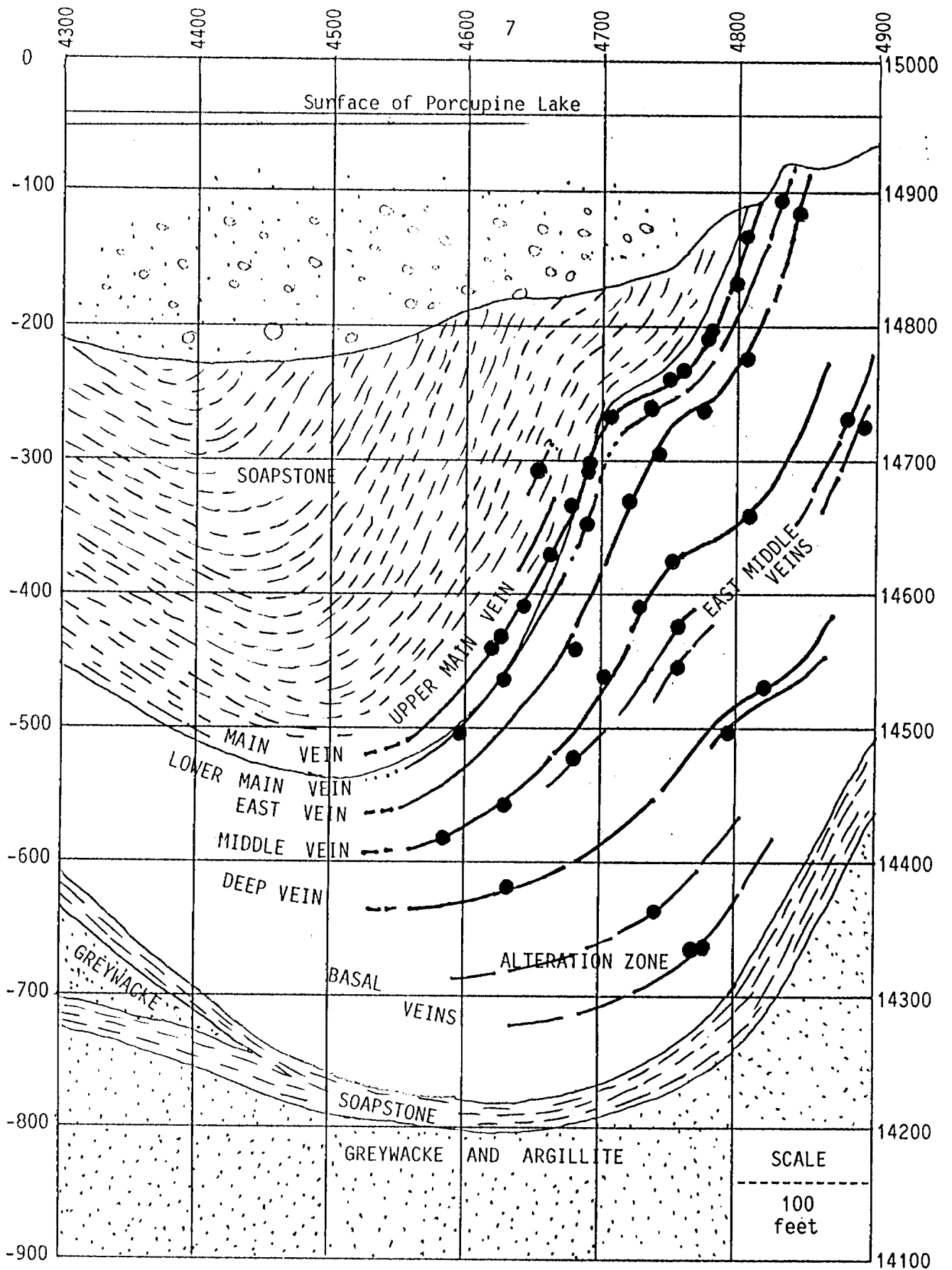
¹ Published grade for the Pamour Porcupine Mines combined operations is approximately 0.08 ounces per ton, and for Dome Mines, 0.126 ounces per ton in 1987 entirely from underground operations.



THE HUNTER MINE, WHITNEY TOWNSHIP, ONTARIO: VEIN SYSTEMS PROJECTED
ONTO SECTION 10000

Plane of section = 105°; View looking northward

● = Vein intercept reported
in drill hole.



THE HUNTER MINE, WHITNEY TOWNSHIP, ONTARIO: VEIN SYSTEMS PROJECTED ONTO SECTION 10500

Plane of section = 105°; View looking northward

● = Vein intercept reported in drill hole

Early operators of the mine spoke of 4 quartz vein systems:

- Number 1 Vein, or discovery vein, which outcrops on the shoreline north of the shaft.
- Number 2 Vein, which forms a broad stockworks along the lot line between Lots 9 and 10 east of the shaft. This vein was blasted away to make room for trailers on the site in 1985 before it could be adequately examined and sampled.
- Number 3 Vein, immediately west of the shaft collar, a ladder vein which was covered up in 1988, and
- Number 4 vein, immediately east of the shaft, not seen in the 1983-88 period.

All of these were reported to be gold-bearing, and an area of the Number 2 Vein that was exposed in 1988 during construction of the hoist is said to have contained visible gold.

In 1983 the writer projected all known vein intersections from drilling results from the 1910-1948 period (page 12 of the 1987 report mentioned above) and concluded that there was evidence for at least 6 vein systems on the property. These he numbered 1 to 6, retaining the original numbering system for particular veins.

In 1988, with accurate surface and underground surveying results available, it became possible to plot up available data onto the 24 sections in this report, to add to this information the drilling results from the 1985-88 period, and to examine rock exposures underground at the mine and refine the results accordingly. From this work it was possible to compile the sections in Figures 1 and 2 and to demonstrate that some 11 vein systems can be shown to exist at the Hunter Mine (plus a 12th which is in a piece of "detached" Alteration Zone east of the sections). Nine of these vein systems have yielded gold values in diamond drilling; however, most of these gold values are of very low grade. While the abundance of gold-bearing veins on the property increases the potential tonnage of gold-bearing material accordingly, the low grades indicate that areas of enrichment within each of these veins will have to be sought. The picture that is emerging is one of abundant gold-bearing units within which are possible pay streaks which will have to be defined. One such pay streak may have been the area

on the first and second levels of the mine, which were mined, and which appear to be the southern part of a zone that was located in the 1986 drilling, most of which is still in place.

To summarize these vein systems (see Figures 1 and 2, pages 6 and 7 above):

Upper Main Vein: This contains only 2 reported intersections. These assayed 0.04 and 0.06 ounces to the ton across 2 and 4 feet respectively, at points 200 feet apart. At present this vein appears too weak and small to explore, except incidentally as part of other work.

Main Vein: This has been encountered in drill holes along an 1100 foot strike length, with values ranging from 0.01 to 1.195 ounces to the ton, and with a depth potential in excess of 600 feet. Largely because of the abundance of drill hole intersections, this vein appears to be the most obvious one on the site for potential mining, and it is this vein that justifies the previously recommended exploration program.

Lower Main Vein: This has been traced for the same distance as the Main Vein, with a similar down-dip potential, and contains grades ranging from 0.01 to 0.89 ounces to the ton, but with only about one-third the number of drill hole intersections.

East Vein: This is, like all other veins, parallel with the Main Vein. It has been traced for a distance of about 350 feet and with a similar down-dip potential. Grades have ranged from 0.018 across 3 feet to 0.26 across 2 feet. Only 5 drill holes with assay values have cut this zone.

Middle Vein: This has been cut by 6 drill holes which yielded values ranging from 0.02 across 1 foot to 0.258 across 2½ feet, the zone being traced a distance of 500 feet, with a similar down-dip potential.

East Middle Vein: Cut by 7 drill holes along a strike length of 450 feet and a depth range of about 300 feet, this vein has yielded intersections which range from 0.01 ounces of gold to the ton across 5 feet, to 0.51 across 1½ feet, including a zone which assayed 0.10 across 9 feet.

Deep Vein: This had 7 intersections between 1935 and 1988 which indicate a strike length of some 500 feet, a down dip potential over 600 feet, and values in the range of 0.06 over 3 feet to 0.16 over 10 feet.

The Deep Vein was also penetrated by 8 drill holes from the 1985-1988 series, without encountering obvious gold-bearing material, though assaying was incomplete on the 1986 series of holes.

East Deep Veins: A total of 5 holes have penetrated this zone, but assays exist for only 2 of these: 0.02 ounces of gold across 5 feet and 0.008 across 5 feet. These holes are some 1200 feet apart in strike and about 150 feet apart in down dip position.

Basal Veins: These consist of several vein systems that appear to be common in the 100 or so feet above the lower ultrabasic sheet. Although assayed, only low gold values appear to occur in these units.

Outside Veins: Several drill holes, notably H-1 of 1985, penetrated quartz vein systems, sometimes in localized Alteration Zones, well within the greywacke succession east of the mine area. Assays from these veins were very low, those in H-1 being NIL.

Details of the actual intersections, depths, assay values, and widths are given in the tables which follow, beginning on page 11 below. These values were obtained from drill logs, where available, from mine sections with assay values, and from old plans. Some drill holes, known to have penetrated particular veins, are shown in old maps without assay values or other information, and it is not known if this indicates a lack of data, or a low value in the intersection.

The recognition of particular veins in particular drill holes is not always positive. Once the conformability of the Main Vein was established in the 1988 drilling (Sections 10450, 10500, and 10550), then parallel vein structures must belong to different systems. When considerable distance separates the information, however, the various systems were recognized by being proportioned within the Alteration Zone. This method has its uncertainties in that some vagueness exists as to the position of the contact, which is gradational, between the upper soapstone and the Alteration Zone.

Some intersections from the 1986 drilling belong to a different vein system than originally thought. Even when these intersections are excluded from the 1450 foot length that graded 0.238 opt across 5 feet this grade retained its value over 0.2 for the same length and thickness.

TABLE 1
UPPER MAIN VEIN

DRILL HOLE	DATE	LEVEL	OzAu/t	WIDTH (FEET)	SECTION	DEPTH (FEET)	NOTES
S-14	1986	Surface	0.04	2	10350	400	
S-10	1986	Surface vein			10450	510	
U-2	1985	-225	0.06	4	10550	240	

Drill Holes 4S, 4H and 127 also penetrated this zone, but no assays are available. Hole U-4 passed through the Upper Main Vein and returned assays from it and several sections above it ranging from 0.012 opt over 20 feet to .05 over 5 feet, the latter being from this vein.

TABLE 2
MAIN VEIN

DRILL HOLE	DATE	LEVEL	OzAu/t	WIDTH (FEET)	SECTION	DEPTH (FEET)	NOTES
S-19	1986	Surface	0.015	7.2	9850	150	
S-12	1986	Surface	1.195	1.5	10050	480	
S-11	1986	Surface	0.01	1	10050	420	
118	1938	-225	0.04	12	10050	360	
122	1938	-225	0.06	20	10050	335	
117	1938	-225	0.16	10	10050	320	
U-3	1985	-225	0.01	5	10050	330	
U-5	1985	-225	0.03	0.66	10050	305	
208	1938	-300	vg		10050	300	
2	1910	-225	0.10	3	10100	220	
214	1938	-300	vg		10100	280	
306	1938	-400	0.31	10	10100	400	Down Dip
2	1914	-225	0.06	4	10200	230	
S-14	1986	Surface	0.057	2.3	10350	400	
15	1910	Surface vein			10400	50	
4	1910	Surface vein			10450	160	
S-9	1986	Surface	0.078	4.3	10450	440	
S-10	1986	Surface	0.005	5	10450	550	
103	1938	-225	0.30	3	10500	240	
111	1938	-225	0.04	5	10500	260	
U-13	1988	-225	0.021	2.7	10500	305	
129	1938	-225	0.04	10	10500	380	
U-8	1988	-225	0.17	2	10500	430	
U-9	1988	-225	0.025	1.4	10050	480	
105	1938	-225	0.16	2.75	10500	275	
110	1938	-225	0.3	5	10550	260	
104	1938	-225	0.3	3	10550	260	
101	1938	-225	0.40	1.5	10600	215	
U-2	1988	-225	0.207	6.5	10550	235	
S-15	1986	Surface	0.761	3.3	10600	420	
S-16	1986	Surface	0.7136	9	10750	330	
S-18	1986	Surface	0.013	10.4	10950	425	

Drill holes 207, 2(1935), 216, 218, 133, 16, 18, 103, 115, and 108 passed through the Main Vein, but no information is available as to whether assay values were obtained.

TABLE 3
LOWER MAIN VEIN

DRILL HOLE	DATE	LEVEL	OzAu/t	WIDTH (FEET)	SECTION	DEPTH (FEET)	NOTES
S-19	1986	Surface	0.01	4.5	9850	425	
125	1938	-225	0.36	5	10050	340	
U-3	1985	-225	0.01	1.5	10050	370	
U-5	1985	-225	0.01	2.5	10050	260	
2	1910	Surface	0.89	9	10300	200	
304	1938	-400	0.58	10	10100	380	Down Dip
U-8	1988	-225	0.045	3.8	10500	470	
U-9	1988	-225	0.021	6.3	10500	505	
U-13	1988	-225	0.028	4.3	10500	330	
S-13	1986	Surface	0.012	2.3	10250	460	
S-10	1986	Surface	0.017	2.9	10450	530	
128	1938	-225	0.10	1	10500	300	
103	1938	-225	0.4	4	10500	260	
S-16	1986	Surface	0.01	7.5	10750	345	
S-18	1986	Surface	0.012	2.5	10950	460	
S-11	1986	Surface	0.013	9	10050	430	

Holes 106 and 111 of 1938 also passed through this zone, but no information is available regarding assay values or intersections.

TABLE 4
EAST VEIN

DRILL HOLE	DATE	LEVEL	OzAu/t	WIDTH (FEET)	SECTION	DEPTH (FEET)	NOTES
6H	1935	-225	0.26	2	10250	225	
3H	1935	-225	0.05	3	10450	225	
4	1910	Surface	vein		10450	110	No Assay Data
U-9	1988	-225	vein		10500	540	
U-13	1988	-225	0.018	3	10500	480	
S-15	1986	Surface	0.034	9	10600	460	
S-11	1986	Surface	0.01	3	10050	440	

Hole 3 of 1914, from -225 feet of the mine appears to have passed through this zone, but no assay or other information is now available.

TABLE 5
MIDDLE VEIN

DRILL HOLE	DATE	LEVEL	OzAu/t	WIDTH (FEET)	SECTION	DEPTH (FEET)	NOTES
S-19	1986	Surface	0.01	4.5	9850	425	
125	1938	-225	0.04	20	10,000	225	
2S	1914	-225	0.2	5	10,000	230	
S-12	1986	Surface	0.01	4.5	10,050	540	
7H	1935	-225	0.02	1	10,000	240	
301(?)	1938	-400	vg		10,100	400	No assays
S-14	1986	Surface	0.258	2.5	10,350	470	
S-13	1986	Surface	0.01	5	10,250	510	
128	1938	-225	0.05	5	10,500	350	

Holes U-8, U-9, and U-13 cut this zone but returned only low gold assays.

TABLE 6
EAST MIDDLE VEINS

DRILL HOLE	DATE	LEVEL	OzAu/t	WIDTH (FEET)	SECTION	DEPTH (FEET)	NOTES
2	1914	-225	0.10	9	10,100	230	
1H	1935	-225			10,100		No Data
2	1911?	-225	0.51	1.5	10,100	270	
S-20	1986	Surface	0.124	2.2	10,150	510	
S-14	1986	Surface	0.039	1.7	10,350	520	
S-9	1986	Surface	0.01	5	10,450	525	
S-10	1986	Surface	0.005	5	10,450	620	
U-2	1985	-225	0.027	5.5	10,550	275	
S-16	1986	Surface	0.02	4.5	10,750	430	
S-18	1986	Surface	0.015	3.7	10,950	525	

TABLE 7
DEEP VEIN

DRILL HOLE	DATE	LEVEL	OzAu/t	WIDTH (FEET)	SECTION	DEPTH (FEET)	NOTES
504	1938	-600	0.14	2	10,050	580	Down dip
U-7	1988	-225	0.199	0.8	10,050	520	
113	1938	-225	0.16	10	10,050	410	
6H	1935	-225	0.06	3	10,200	270	
U-8	1988	-225	0.132	1.1	10,500	625	
U-13	1988	-225	0.028	2.2	10,500	470	

The Deep vein was also penetrated by drill holes 117, U-9, S-9, S-10, S-11, S-12, S-13, S-14, S-15, and S-16. No information survives for the 1938 drill hole 117, and holes S-9, S-15 and S-16 returned values of "trace" over the relevant sections. S-10 returned a value of 0.005 OzAu/t for 5 feet, S-11 0.005 for 2 feet, and S-13 0.007 for 11½ feet. S-12 returned a value of 0.01 OzAu/t over 4.5 feet beginning at 515 feet, but there is uncertainty if this is the right zone: near the expected location at 550 feet there is a gap in the results. Hole S-14 returned a value of 0.05 OzAu/t for 1.7 feet beginning at 602.3 feet which may be from this Deep Vein.

TABLE 8
EAST DEEP VEIN

DRILL HOLE	DATE	LEVEL	OzAu/t	WIDTH (FEET)	SECTION	DEPTH (FEET)	NOTES
6H	1935	-225	0.02	5	10200	290	
S-24	1986	Surface	0.008	5	9000	410	
H-6	1985	Surface	0.013	13	10050	300	

Drill holes 2 (1914) and 1H of 1935 also penetrated this vein, as did most of the holes from the 1985-88 drilling, without yielding significant results.

The assays summarized above in Tables 1 through 8 constitute an attempt to extract, from all available drilling information, some indication of the economic potential of the Hunter Mine. Some of the early information is vague, incomplete, contradictory, or non-existent, and allowances must be made for this fact. Some information is not included owing to uncertainties about correlation of veins or locations of holes. For example, surface drill holes 1 through 5 (undated but not the 1910 series) show values in Hole No. 2 of 0.518 over 1.5 feet at a depth of 30 feet, in Hole No. 4 of 2.51 OzAu/t over 4.95 feet at surface, and in Hole No. 5 of 0.199 OzAu/t over 5 feet at a depth of 25 feet. Drill hole 3 of 1948 from surface returned a value of 0.18 OzAu/t from an area just to the south of the shaft, across 2.4 feet, possibly from the Middle

Vein. These are summarized in Table 9 below.

TABLE 9
UNASSIGNED INTERSECTIONS

DRILL HOLE	DATE	LEVEL	OzAu/t	WIDTH (FEET)	SECTION	DEPTH (FEET)	NOTES
2	1928?	Surface	0.518	1.5	Unknown	30	
4	1928?	Surface	2.51	4.95	Unknown	00	
5	1928?	Surface	0.199	5	Unknown	25	
3	1948	Surface	0.18	2.4	9950±	90	Middle Vein?

In all, the above 9 tables contain 81 gold intersections in the "interesting" class--that is to say, intersections that indicate that the particular vein may be classed as "gold-bearing". Many of the intersections in themselves are of such a low grade that they would not encourage mining operations in the vein they represent without further work to enhance that vein's potential. Nevertheless, the following Table 10 is compiled using all of the above intersections, including the low ones, so as to indicate something of the average values the drill holes detected in the various veins and at the Hunter Mine in general:

TABLE 10
AVERAGE VALUES OF GOLD INTERSECTIONS, HUNTER MINE, ONTARIO
1910-1988

VEIN SYSTEM	NUMBER OF INTERSECTIONS	AVERAGE GOLD OzAu/t	AVERAGE THICKNESS FEET
Upper Middle Vein	2	0.05	3.00
Main Vein	28	0.18	5.40
Lower Main Vein	16	0.157	4.75
East Vein	5	0.07	4.00
Middle Vein	8	0.07	5.93
East Middle Vein	9	0.09	4.23
Deep Vein	6	0.12	3.18
East Deep Vein	3	0.01	7.67
Unassigned	4	0.85	3.46
Number	81		
Weighted Averages		0.137	4.77

It must be emphasized that the above numbers only indicate the averages taken from drill hole intersections over the years, that the veins themselves may yield different averages in actual mining operations, that there are enormous gaps in the information, particularly far from the Main Vein where drill holes did not reach or where the fan effect produced large intervals between drill hole intersections, and that some "blanks" in the information, including some drill holes where particular veins were not detected or reported, have been ignored. Nevertheless, it is interesting to note that the gross average grade as given above of 0.137 ounces of gold to the ton, including as it does many low and unexciting values, approximates the average production grade from the Dome Mine, Hunter's next door neighbour to the west.

Such is not to imply that the Hunter could make a profit with a similar grade as Dome's, for that mine's high tonnage, high efficiency operation puts it in a different class of operation. But it is probable that zones or ore shoots exist within the various veins at the Hunter whose average grades are high enough to make these zones profitable. Such has already been indicated in past operations, where the average grades of the stope areas were 0.29 and 0.61 ounces of gold. And such has been indicated in the 1985-1988 drilling, where intersections in the 0.2 to 0.7 class are recorded. Available evidence indicated that the higher grade zones are related to drag-folds, one of which was the principal area of mining operations in the 1938-1940 period. The definition of this drag-fold, the delineation of related structures, and the discovery of additional ones are thought to be the necessary steps that will be needed to develop a reasonably large tonnage and good grade of ore deposit on the site.

Persistency of the vein systems, both along strike and down dip, indicates that reasonably high tonnages might be expected during the life of the mine, even if operations are limited to about 600 feet below surface. There is some indication that gold mineralization extends below this depth: assays on the 700 foot level, and reported gold mineralization in an albitite dike on the 600 foot level. This latter indication may be a "tip of the iceberg" occurrence in a network of albitite sheets extending to depth, a possibility that warrants further exploration.

An attempt may be made to estimate potential tonnage of gold-bearing vein systems at the Hunter Mine by taking the strike and dip lengths indicated above on pages 9 and 10, increased somewhat to include reasonable extensions, and multiplying these by their respective widths taken from Table 10 above. Again, one must bear in mind the low grade of some of the intersections, the wide spacing of the information, the degree of extrapolation involved, the presence of "blanks" in the data, and uncertainties in the geological setting. The following results:

TABLE 11
TONNAGE ESTIMATES OF GOLD-BEARING MATERIAL

VEIN	LENGTH (FEET)	WIDTH (FEET)	THICKNESS (FEET)	VOLUME (CU. FEET)
Upper Main Vein	400	400	3	480,000
Main Vein	1450	600	5.4	4,698,000
Lower Main Vein	1450	600	4.74	4,123,800
East Vein	600	600	4	1,440,000
Middle Vein	800	600	5.93	2,846,400
East Middle Vein	800	400	4.23	1,353,600
Deep Vein	800	800	3.18	2,035,200
East Deep Vein	1200	300	7.67	2,761,200
TOTAL VOLUME, CUBIC FEET				19,738,200
TONNAGE				1,644,850

How much of this tonnage is real, and how much may be eventually mined at a profit, remains unknown at the present. In some mines that have a long history of production from which the distribution of gold is known with some degree of confidence, independent of drilling results, it is often possible to mine areas immediately, and at a profit, even though drilling information suggests sub-profitable material to be present. The Hunter is not such a mine, and until it is, each vein or vein system will have to be drilled off, sampled, and carefully appraised before it can be mined with any degree of confidence of economic success. The 1985-1988 drilling results, coupled with the 1938-1940 mining data, suggests that at least one zone exists at the Hunter which is potentially mineable at the present time. It is during the exploration and devel-

opment of this zone, along the lines already recommended in the report by Kirwan of 1987 that other vein systems than the Main Vein can be investigated most efficiently. However, some important preliminary work can be done at the present time, using material already in hand.

CONCLUSIONS

1. All known gold-bearing vein structures at the Hunter Mine are confined to a 300 foot thick zone that is conformable with a synclinal structure at the edge of, and below, the waters of Porcupine Lake. The conformable nature of the gold-bearing zones suggests that they may be duplicated or repeated in the anticlinal structure a few hundred feet to the east.
2. Gold values are known or reported from porphyry and albitite dikes which may be expected to continue to depth below the known gold values in the mine workings. This environment remains unexplored.
3. At least 10 vein structures are indicated by drilling, 8 of which are gold-bearing. One of these, the Main Vein, has been traced a distance of 1450 feet, along which length an average gold content across 5 feet in excess of 0.2 ounces to the ton was indicated in recent drilling. Within this zone a 950 foot length is shown in the same drilling results in which an average grade above 0.3 ounces of gold to the ton across 5 feet was indicated.
4. If a simple arithmetic average is made of all 81 gold assays from all drilling results from the 8 gold-bearing vein systems, including low values down to 0.01 ounces to the ton, a figure of 0.137 ounces of gold to the ton results. Some "blanks" are not included in this value.
5. If a simple arithmetic average is made of the widths of the above assay values, a figure of 4.77 feet results.
6. If the geologically indicated strike and dip lengths of the 8 vein systems are multiplied by their average widths, a figure of over 1.6 million tons of possible gold-bearing material results.
7. The highest grade gold-bearing material recorded during mining operations in the 1938-1940 period was within the upper limb of a prominent drag-fold in the succession. Here grades in 2 stoped areas have been estimated to have been 0.29 and 0.61 ounces of gold to the ton. Recent drilling, northward from and below this area, indicates grades in the 0.7 ounce class for material still in place. It is concluded that considerably richer material than the mine average of 0.137 mentioned above is to be found in the drag-folded portions of the mine. Identification, definition, and extension of drag-folds will therefore become a high priority target in future exploration of the deposits.
8. Exploration of the porphyry and albitite sheets within and below the mine workings will also become a priority.

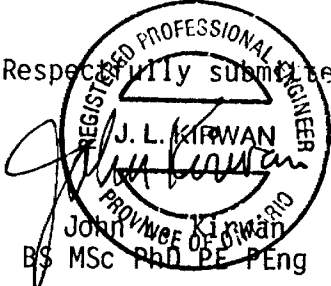
9. Deep drilling, to test for repetition at depth below the Hunter Mine, of mineralization known to exist on ground to the south, should also be done.

RECOMMENDATIONS

1. As a means of searching for drag-folds within the drilled-off areas of the Hunter Mine, all available drill core should be reexamined for structural indications of such folds. Core angles should be plotted on sheets at a scale of 20 feet to the inch and correlated. All available information should be plotted on sections, like the sections in this report, at scales of 1 inch to 20, 40 and 100 feet, the latter as an up-date to the mine model. All this work can take place using material in hand. The mass of papers, assay sheets, mine manager's and consultant's reports for the Hunter Mine should be sifted through as part of this work. A time estimate of about 4 months for one geologist and a draftsman is estimated.
2. The diamond drilling program already begun from the first level of the mine should be continued along the already-indicated parameters, but each hole extended to cut all other known gold-bearing veins as indicated in this report.
3. Nothing in this report down-grades the excellent indications of gold mineralization in the 1986 drilling or the recommendations to proceed with underground definition and bulk sampling of this material by drifting, drilling, and raising from the 400 or 450 foot level of the mine. This work should proceed with the completion of the few remaining buildings on the surface, the commissioning of the hoist, and the rehabilitation of the shaft to its bottom.
4. All previously recommended underground work, notably sampling, drilling, mapping and bulk testing of material in place in all levels of the mine should be implemented.

No significant increases in previously estimated budgets, time-frame, or personnel, are suggested. An increase of about 10% might be reasonable to account for inflation of costs from the date of the recommendations to the present.

At Timmins, Ontario

Respectfully submitted,

 J. L. KIRWAN
 JOHN L. KIRWAN
 BS MSc PhD PE PEng

DECLARATION

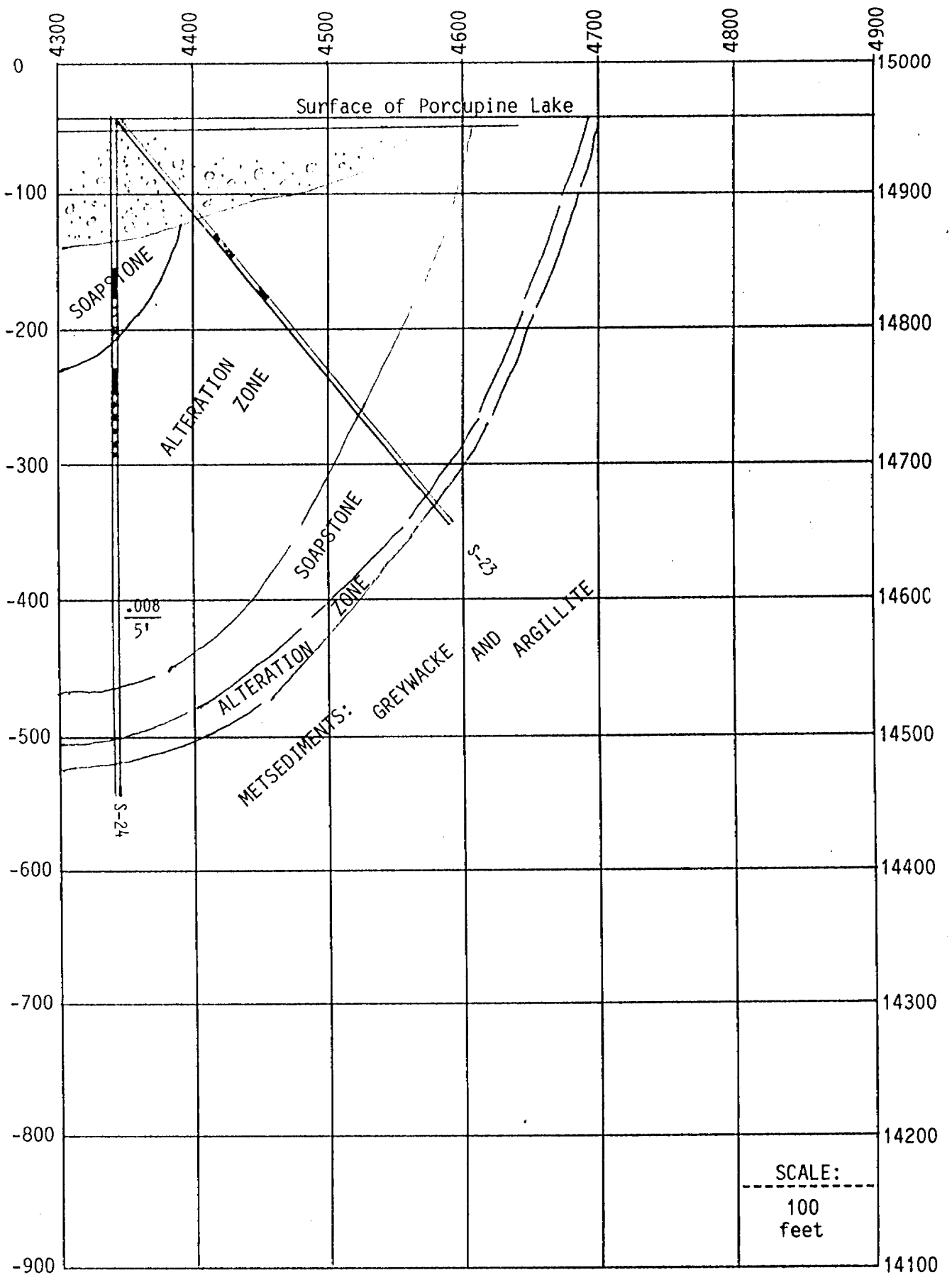
I, John Laurence Kirwan of the Town of Centre Harbor, State of New Hampshire, United States of America, and of the City of Timmins, Province of Ontario, Canada, state:

1. That I am a practising consulting geologist with offices at 1111 Government Rd., South Porcupine, P.O.Box 2150, Timmins, Ontario, P4N 7X8 and at Knockdoe, Old Meredith Road, P.O.Box 985, Centre Harbor, NH, 03226.
2. That I am President and Principal Consultant of John L. Kirwan and Associates Limited (Earth Resource Associates) which was incorporated in the Province of Ontario in 1976.
3. That I have practised my profession as Geologist continuously since 1961 and as Consulting Geologist continuously since 1972.
4. That I am the holder of a Bachelor of Science degree in Geology and Mathematics from Carleton University and of Master of Science and Doctor of Philosophy degrees, both in Geology, from the University of London in England.
5. That I am a registered Professional Engineer in the Province of Ontario and in the State of New Hampshire, and that my licence to practise in either jurisdiction is not, and never has been, in a state of suspension or revocation.
6. That I am a Life Fellow of the Geological Association of Canada and of the Royal Geographical Society of England and have been elected an Associate, Fellow, or Life Fellow of other scientific or professional societies in Canada, the USA, Ireland, England and Brazil.
7. That the material presented in this report is accurate and that I have direct knowledge of this material; that I have examined all of the data myself, or supervised other competent professionals in their work with this material; and that the conclusions and recommendations reached in this report are my own and have not been derived through the influence of other parties, including the management of Wabigoon Resources Limited.
8. That I do not now have, and do not anticipate receiving any direct or indirect financial or propriorty interest in the property under discussion. However, my wife, Victoria Helen Hanson is the registered holder of 5000 common shares of Wabigoon Resources Limited as of this date, October 28, 1988.

John Kirwan
Kirwan

APPENDIX

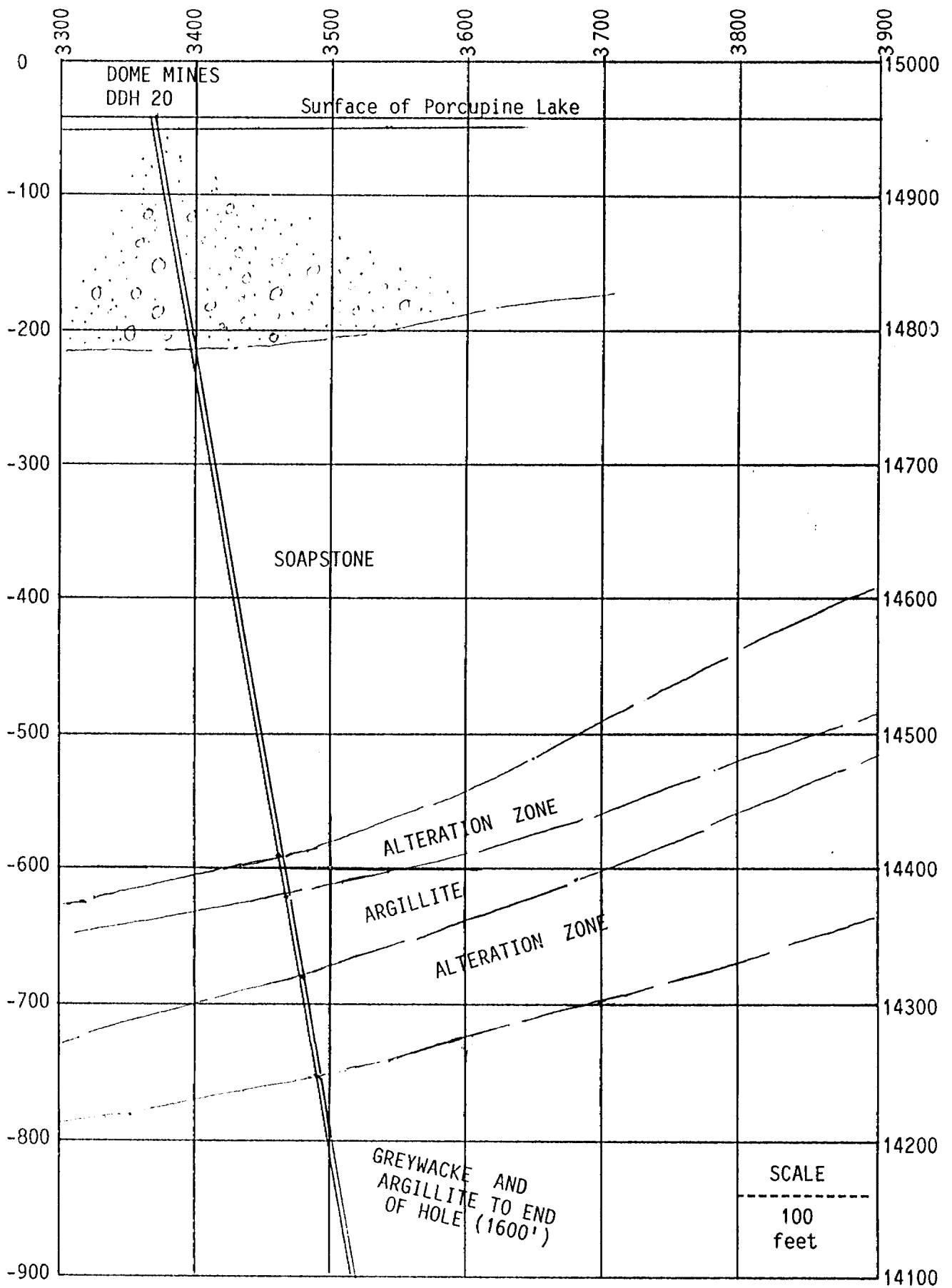
DIAMOND DRILL HOLE SECTIONS FOR
ALL KNOWN DRILL HOLES, 1910-1988,
HUNTER MINE, ONTARIO



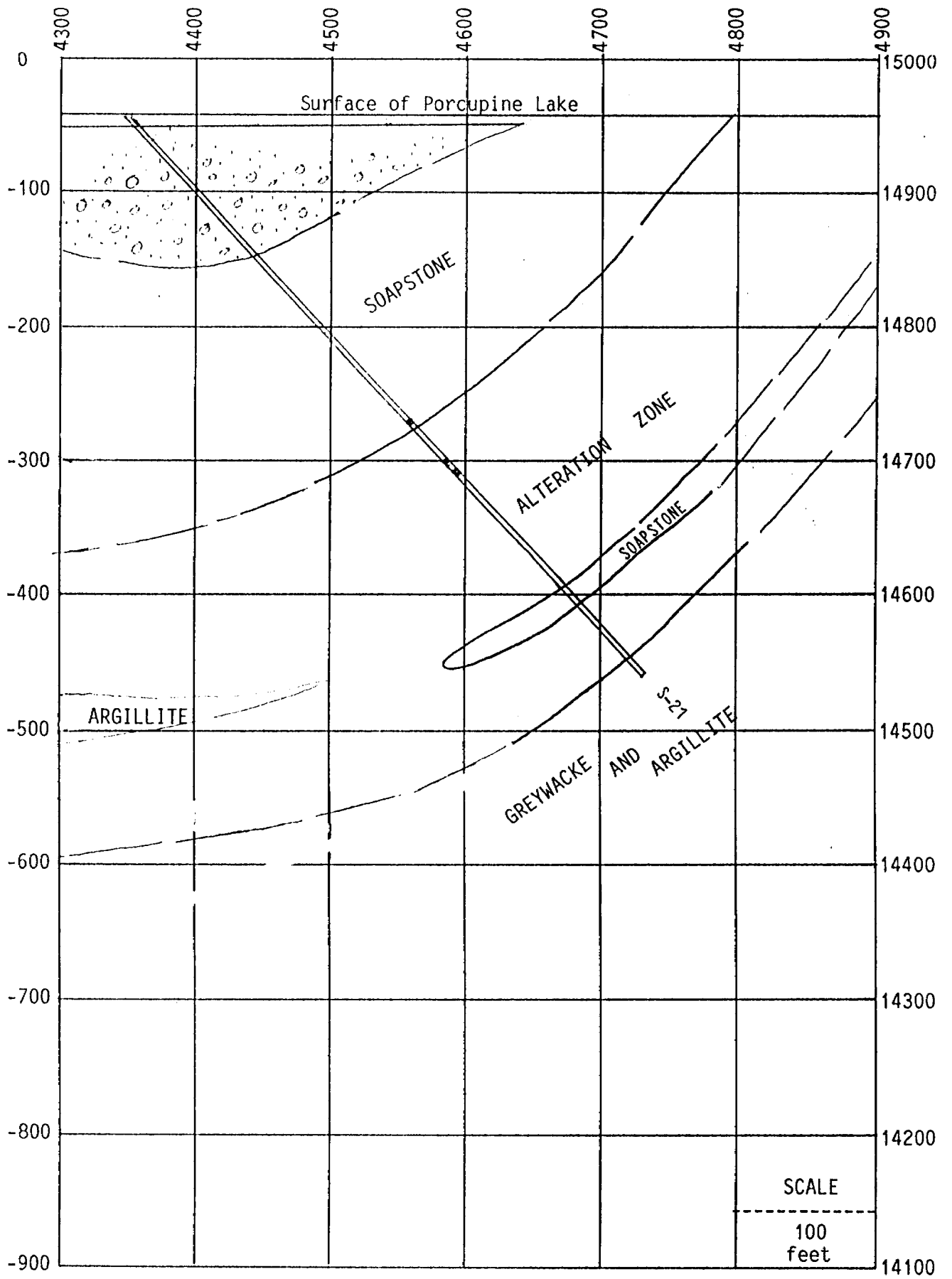
THE HUNTER MINE, WHITNEY TOWNSHIP, ONTARIO: GEOLOGICAL SECTION 9000

Plane of section, 105° ; View looking northward; --- = Vein systems.

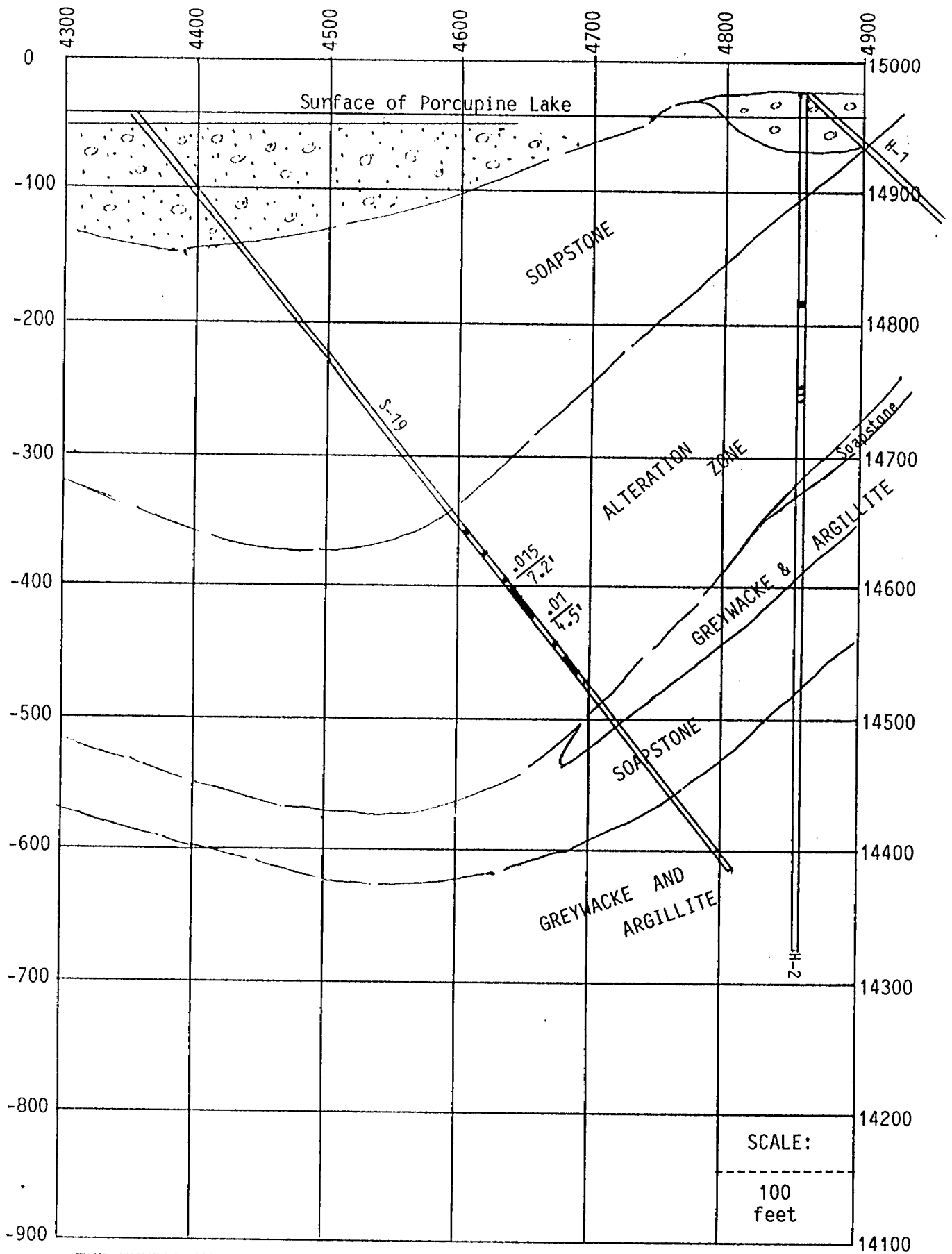
Values given in ounces of gold per ton over footages shown



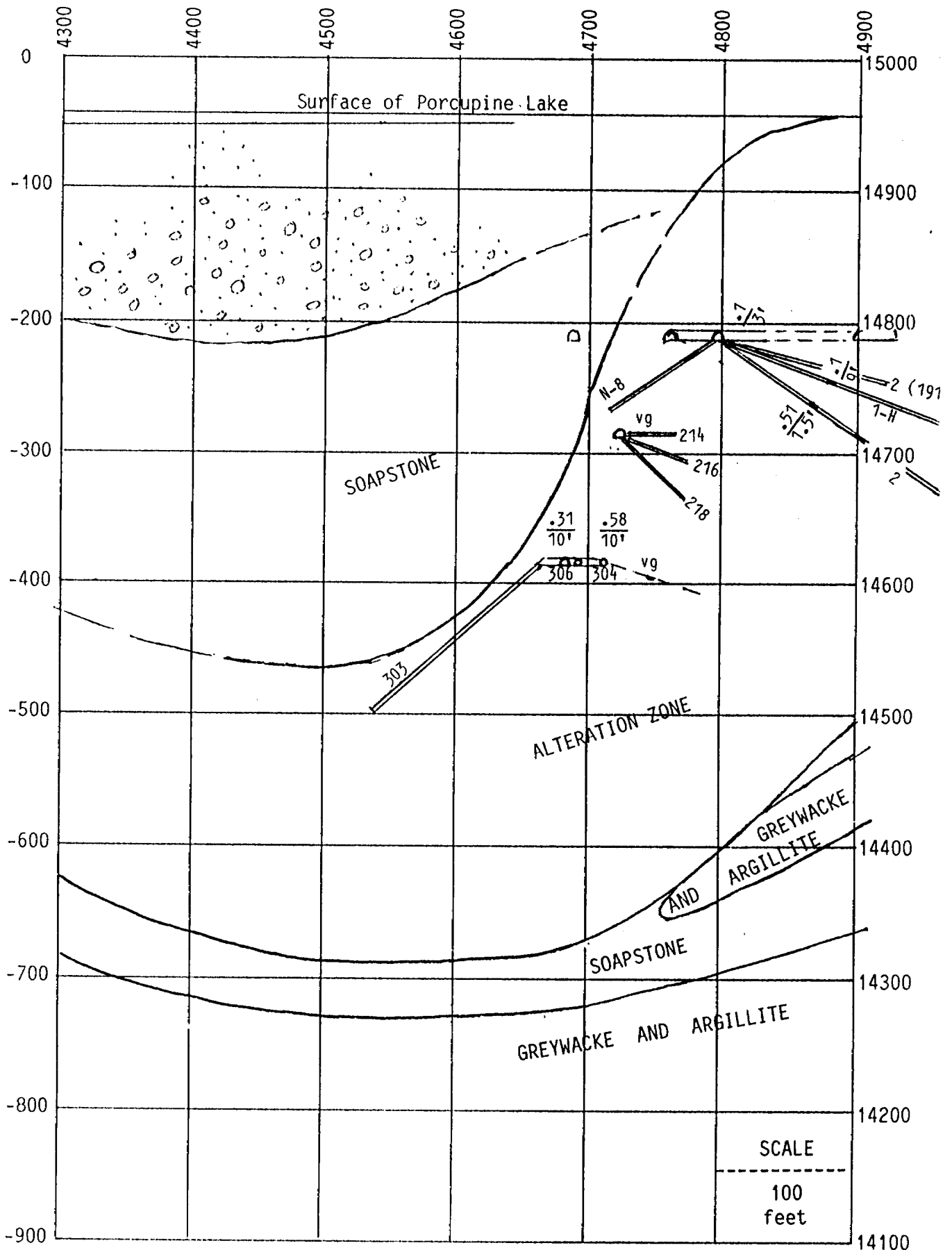
THE HUNTER MINE, WHITNEY TOWNSHIP ONTARIO DOME MINES GROUND SECTION 9250
 Plane of section, 105°, view northward, values in OzAu/t/footage, \backslash = Veins
 THIS SECTION IS 1000 FEET WEST OF THE SERIES OF SECTIONS FOR HUNTER
 AND SHOWS THE RESULTS OF A HOLE BY DOME MINES DRILLED IN 1940 or 1941



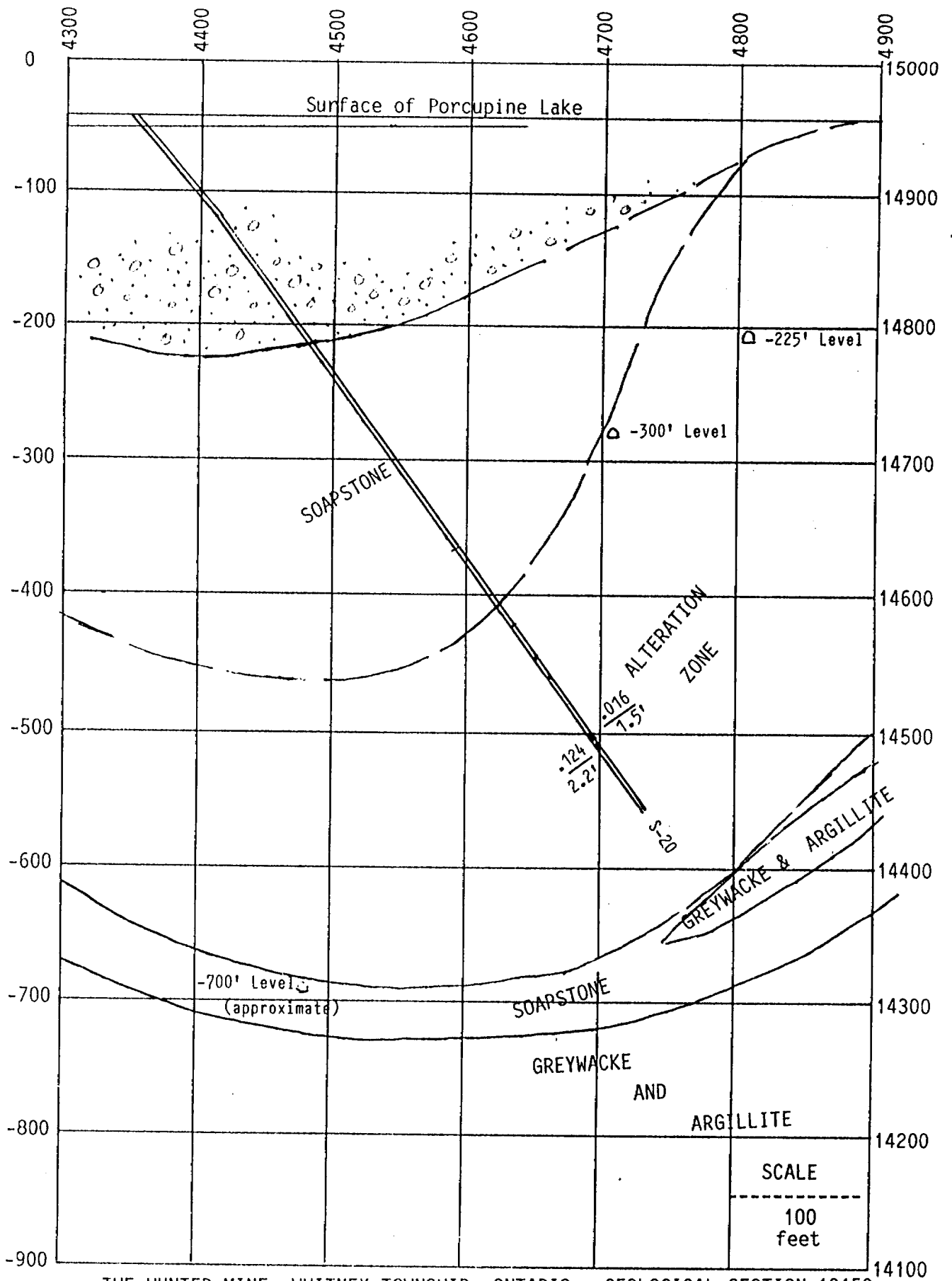
THE HUNTER MINE, WHITNEY TOWNSHIP, ONTARIO: GEOLOGICAL SECTION 9450
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 Values given in ounces of gold per ton over footages shown.



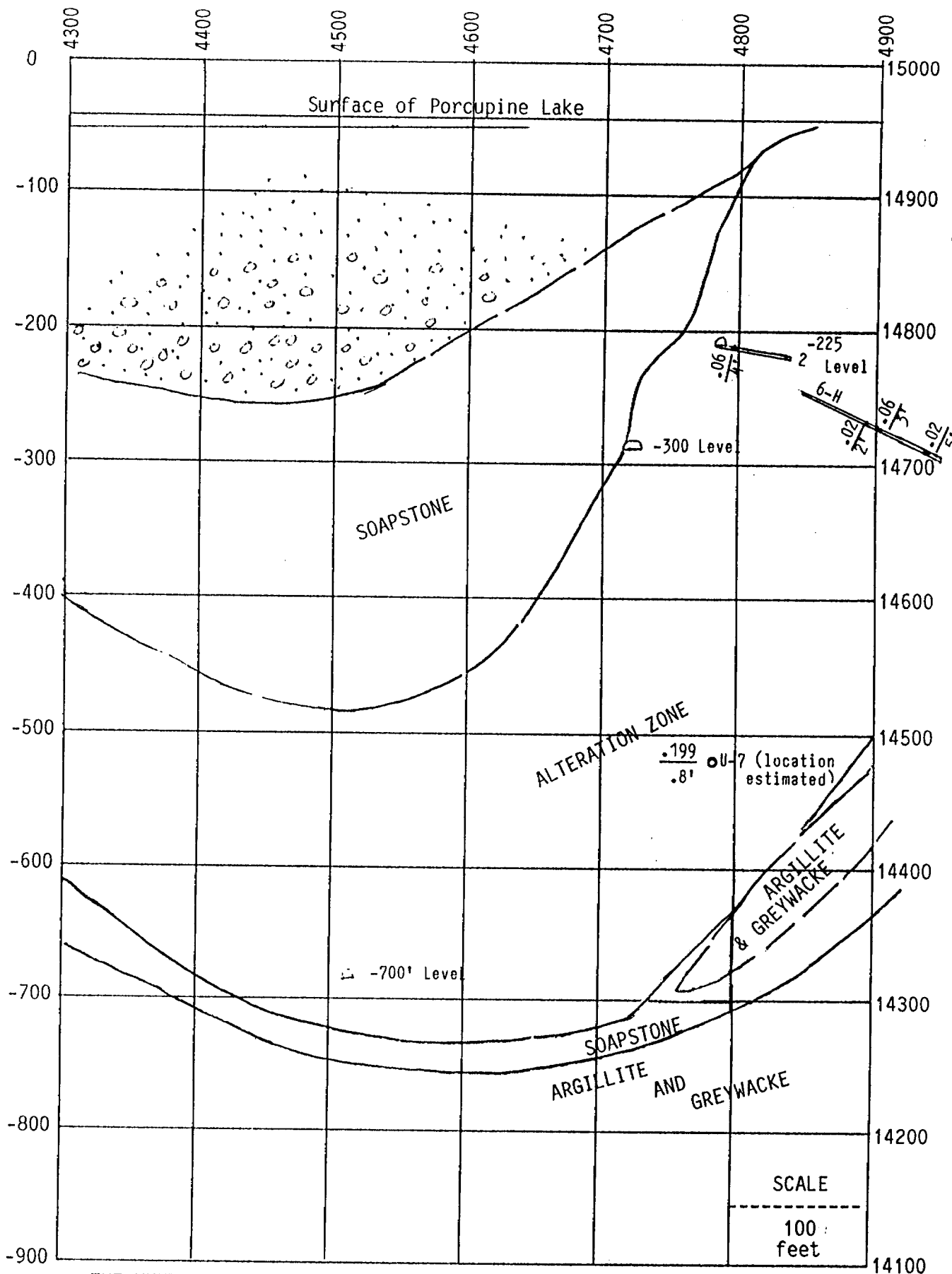
THE HUNTER MINE, WHITNEY TOWNSHIP, ONTARIO; GEOLOGICAL SECTION 9850
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 Values given in ounces of gold per ton over footsges shown.



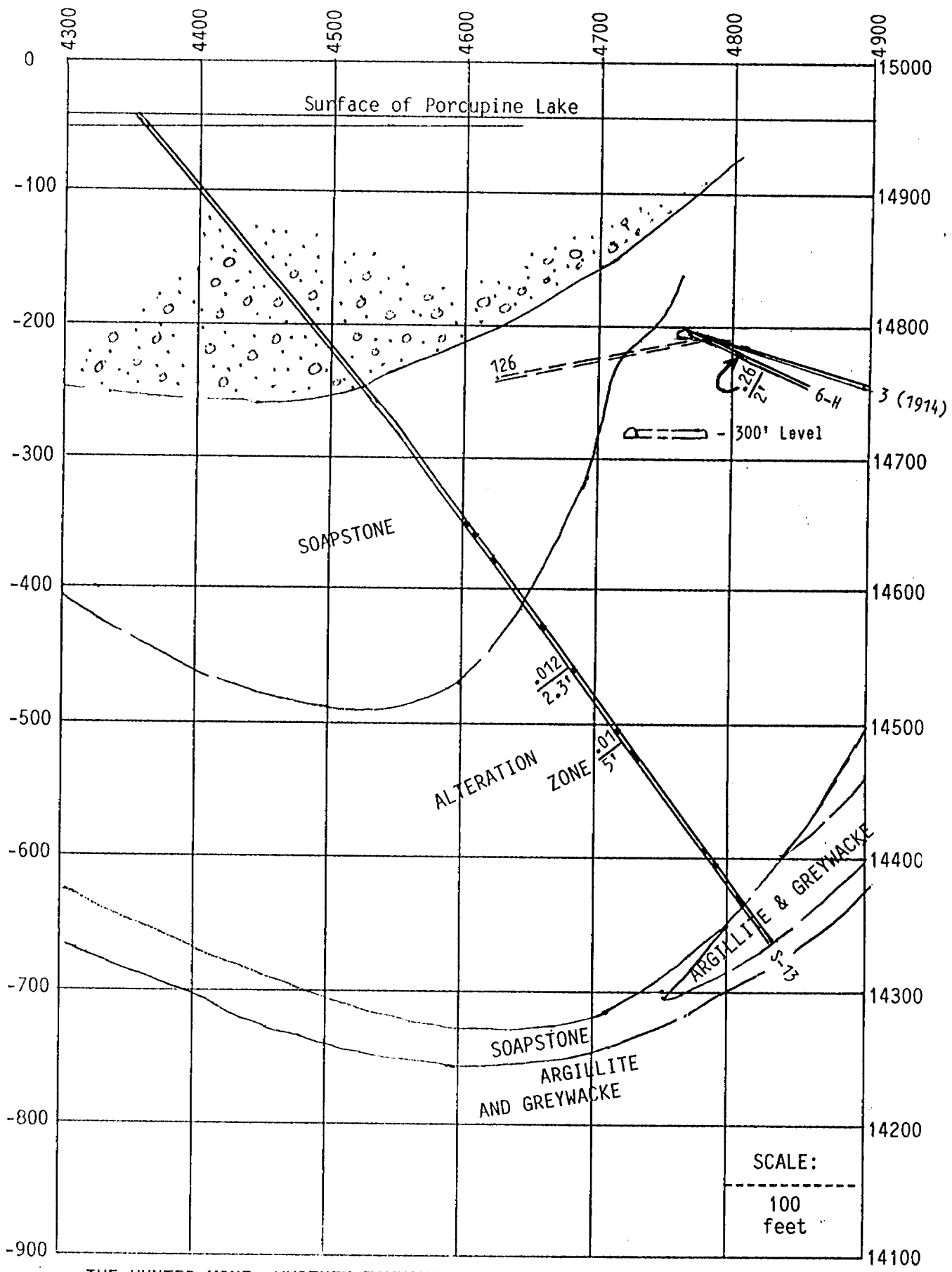
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 Values given in ounces of gold per ton over footages shown



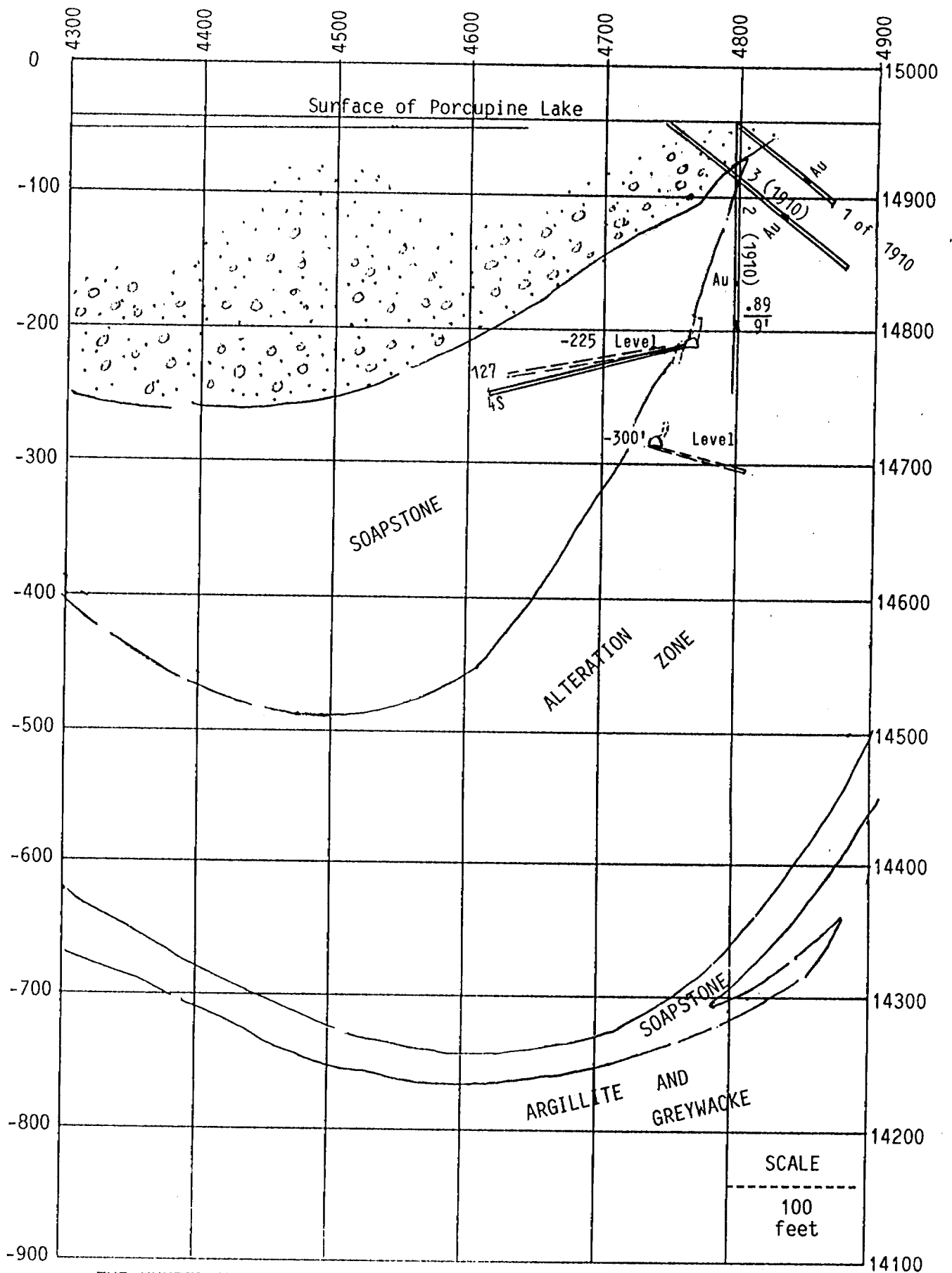
THE HUNTER MINE, WHITNEY TOWNSHIP, ONTARIO; GEOLOGICAL SECTION 10150
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 Values given in ounces of gold per ton over footages shown.



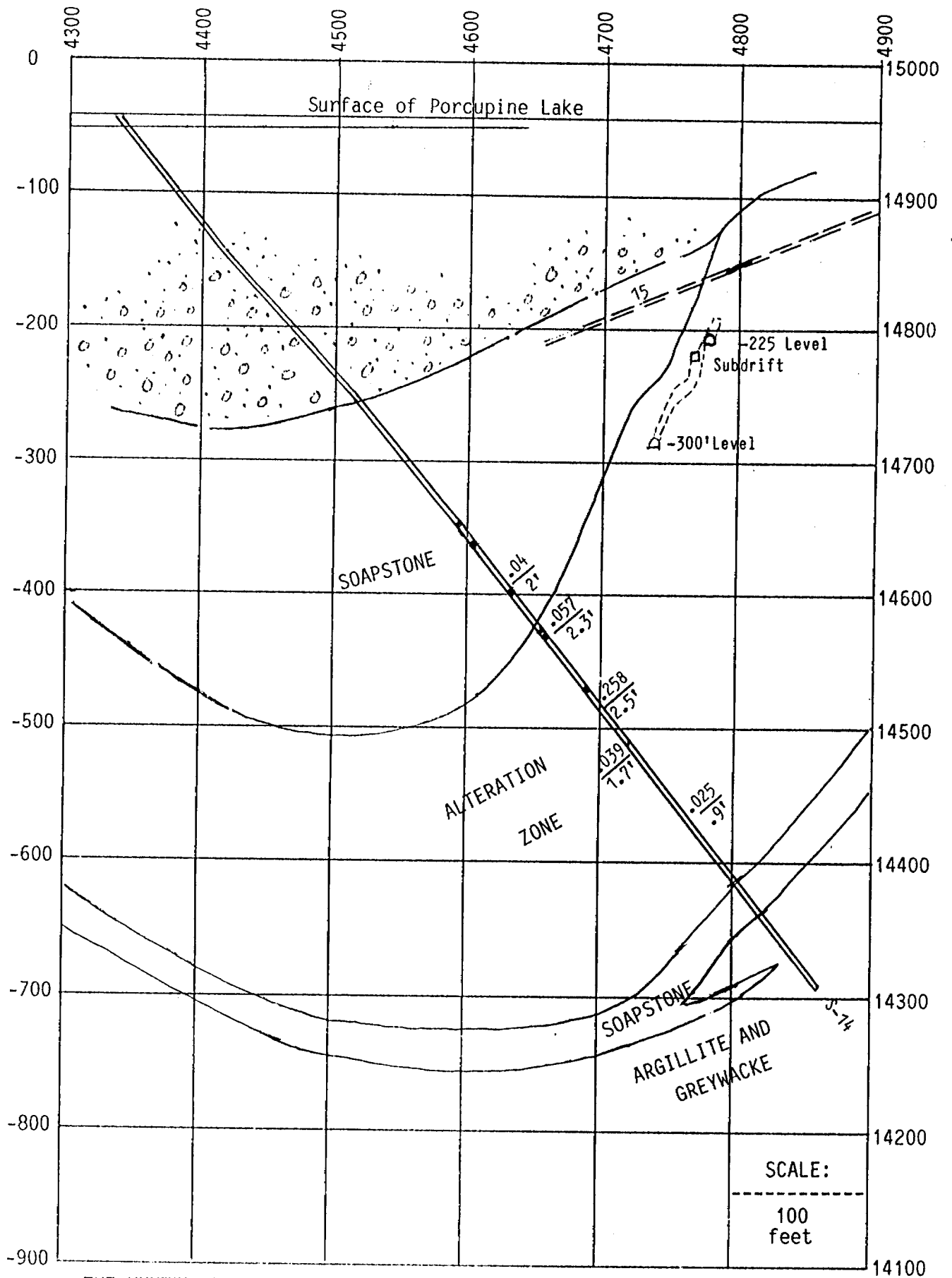
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 Values given in ounces of gold per ton over footages shown.



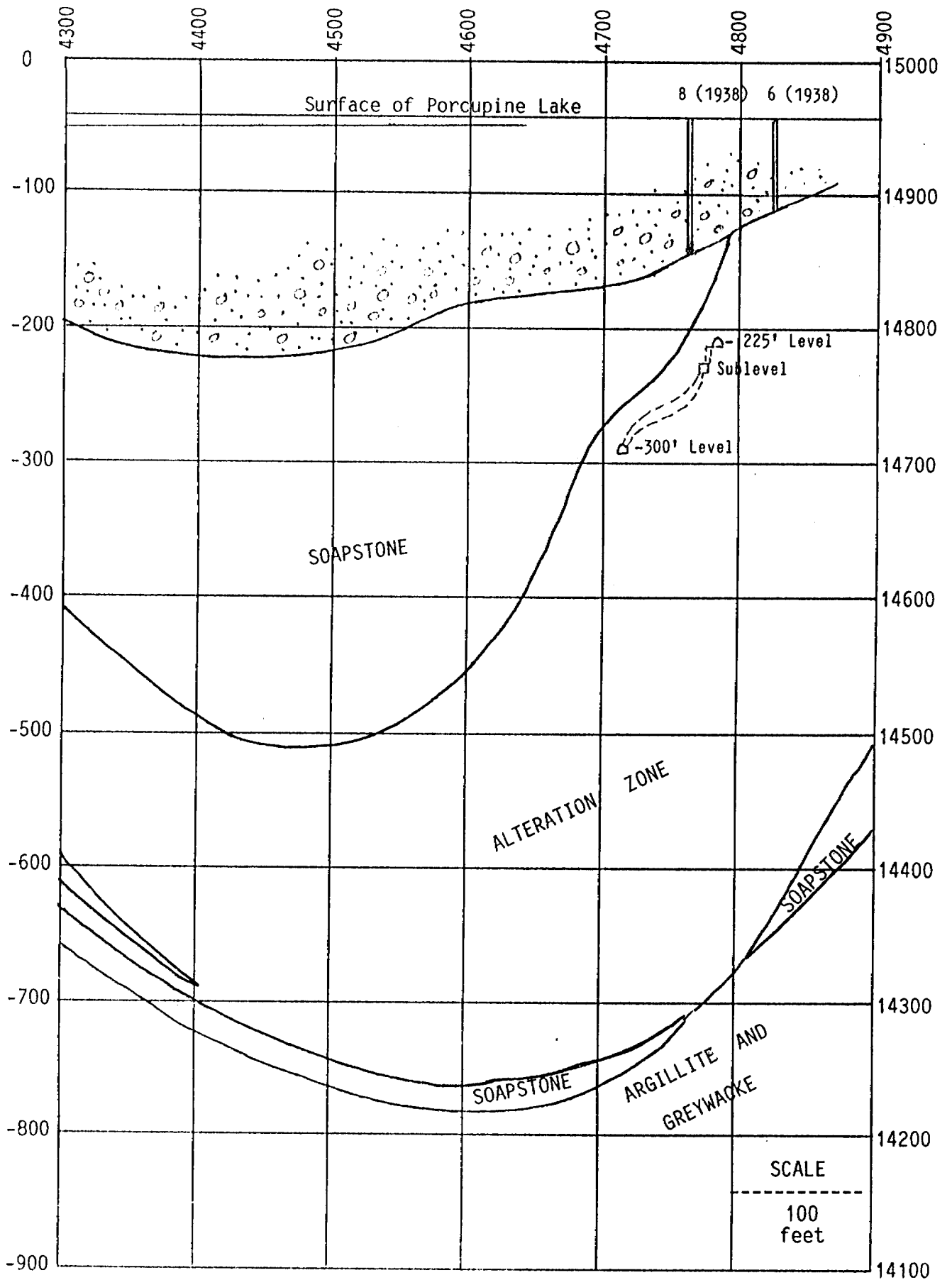
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 Values given in ounces of gold per ton over footages shown



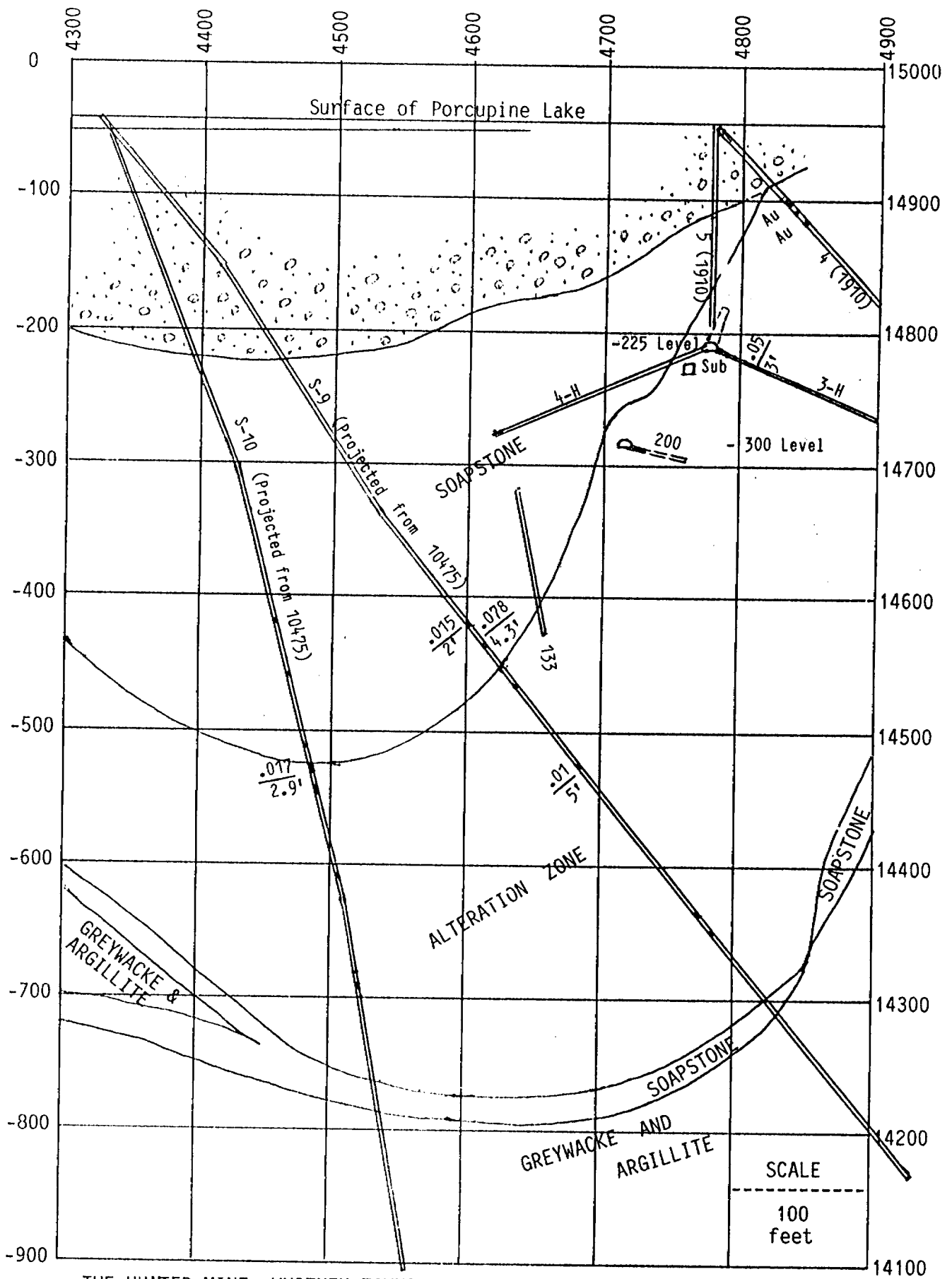
THE HUNTER MINE, WHITNEY TOWNSHIP, ONTARIO; GEOLOGICAL SECTION 10300
 Plane of section, 105°; View looking northward; \ = Vein systems.
 Values given in ounces of gold per ton over footages shown.



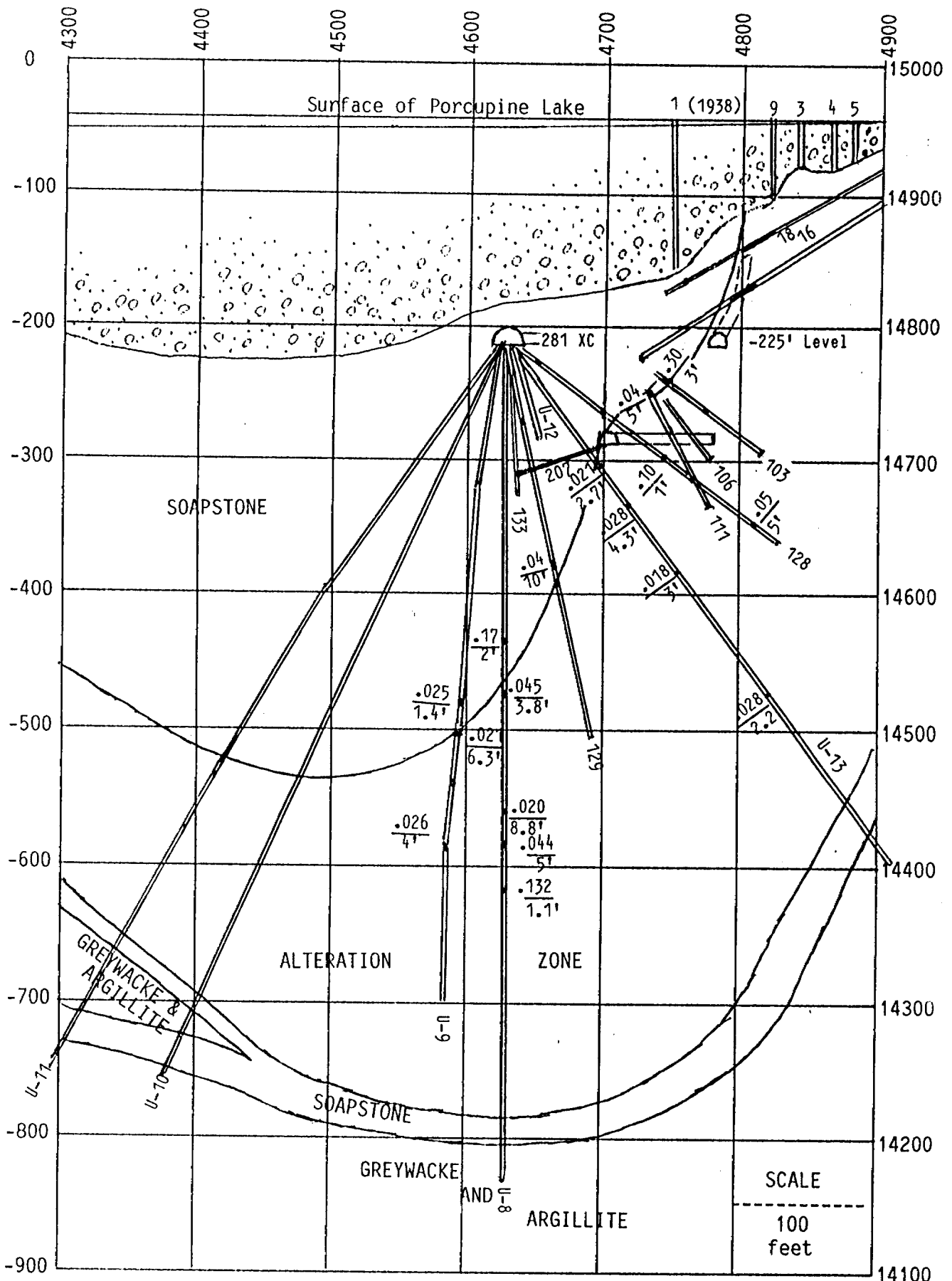
THE HUNTER MINE, WHITNEY TOWNSHIP, ONTARIO: GEOLOGICAL SECTION 10350
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 Values given in ounces of gold per ton over footages shown



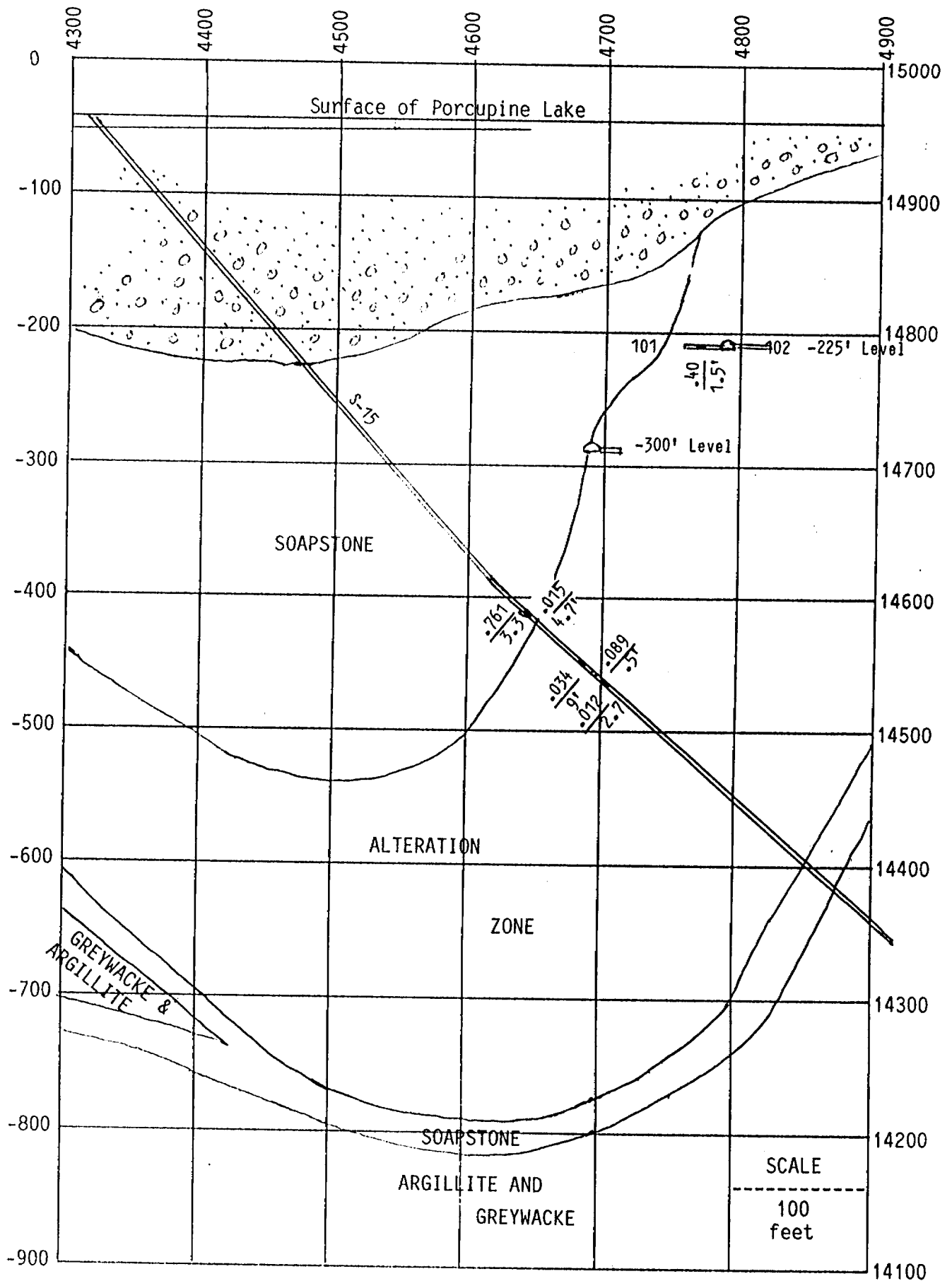
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 Plane of section 105°; View looking northward; // = Vein Systems
 Values given in ounces of gold per ton over footages shown



THE HUNTER MINE, WHITNEY TOWNSHIP, ONTARIO: GEOLOGICAL SECTION 10450
 Plane of section, 105°; View looking northward; \ = Vein systems.
 Values given in ounces of gold per ton over footages shown

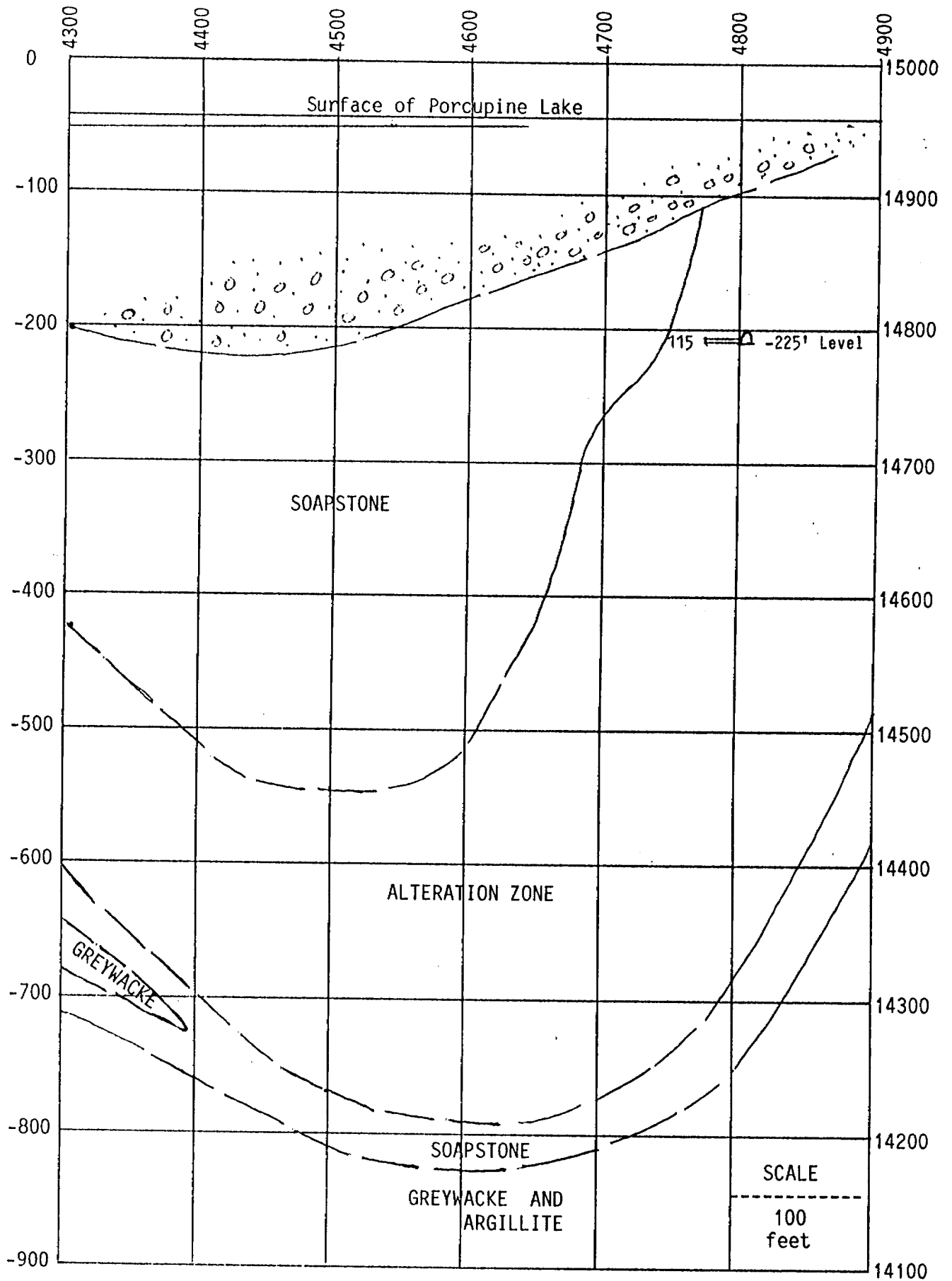


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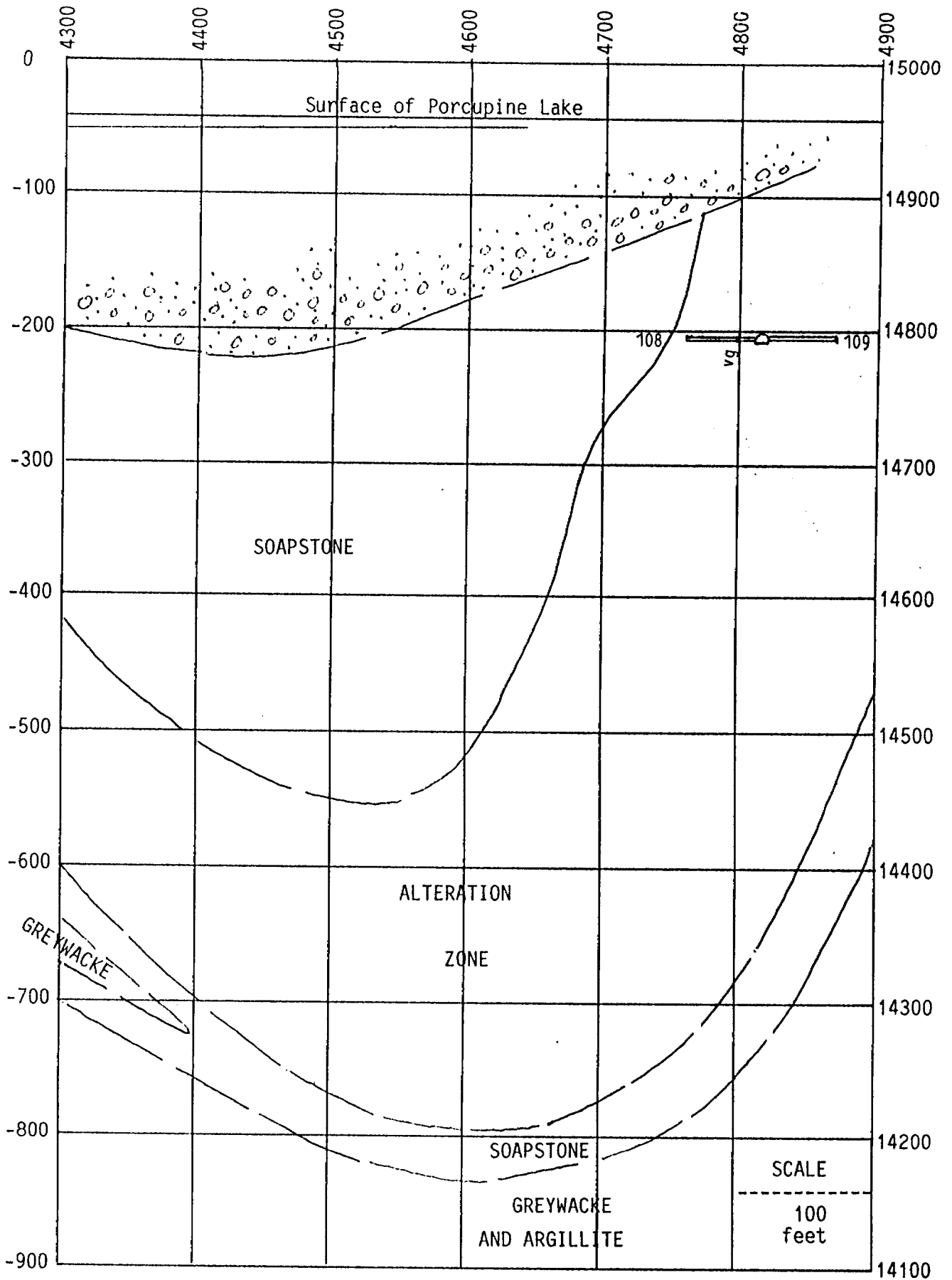
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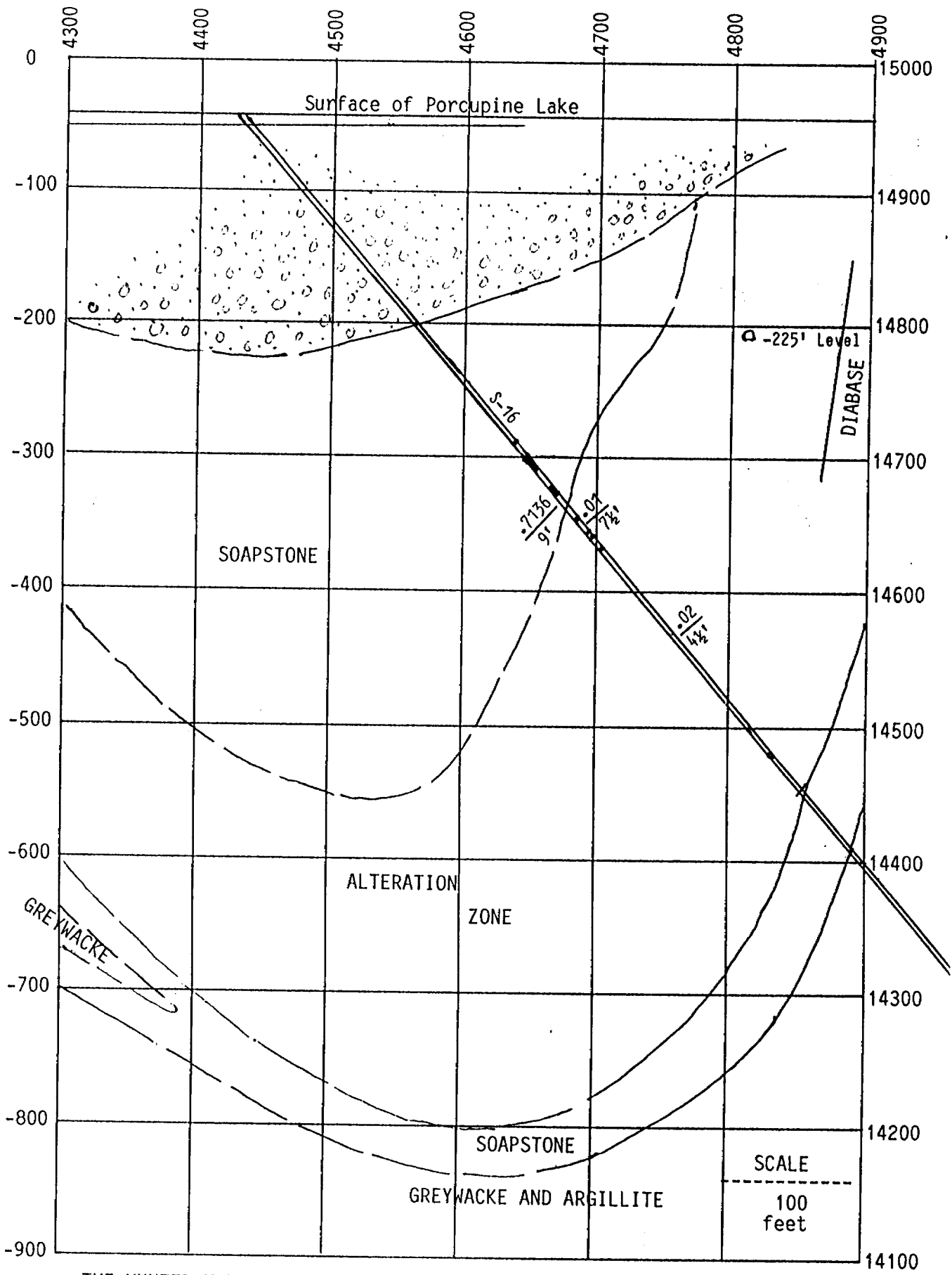


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 Values given in ounces of gold per ton over footages shown

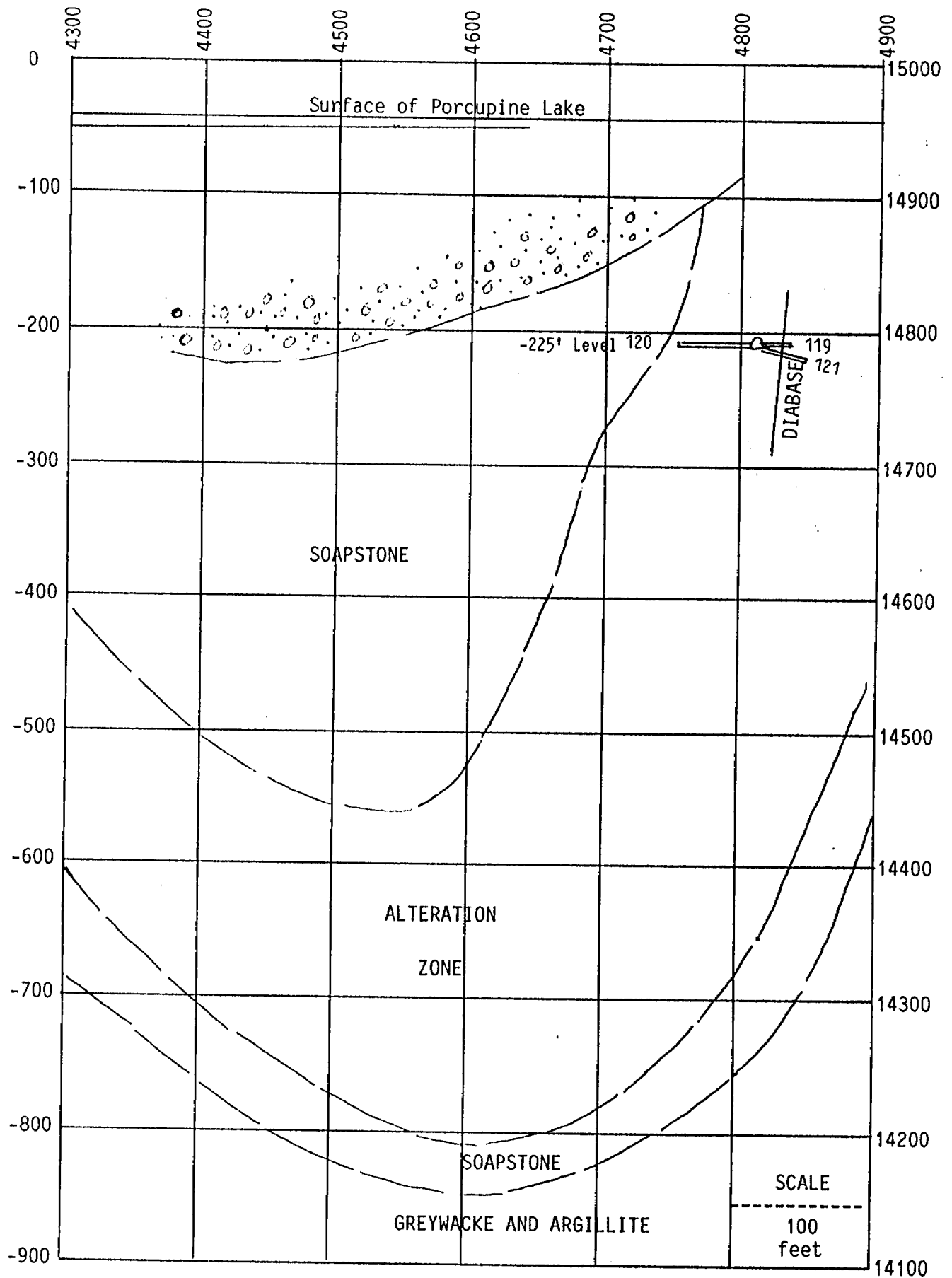


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 Plane of section, 105°; View Looking Northward; = Vein systems
 Values given in ounces of gold per ton over footages shown



THE HUNTER MINE, WHITNEY TOWNSHIP, ONTARIO: GEOLOGICAL SECTION 10750

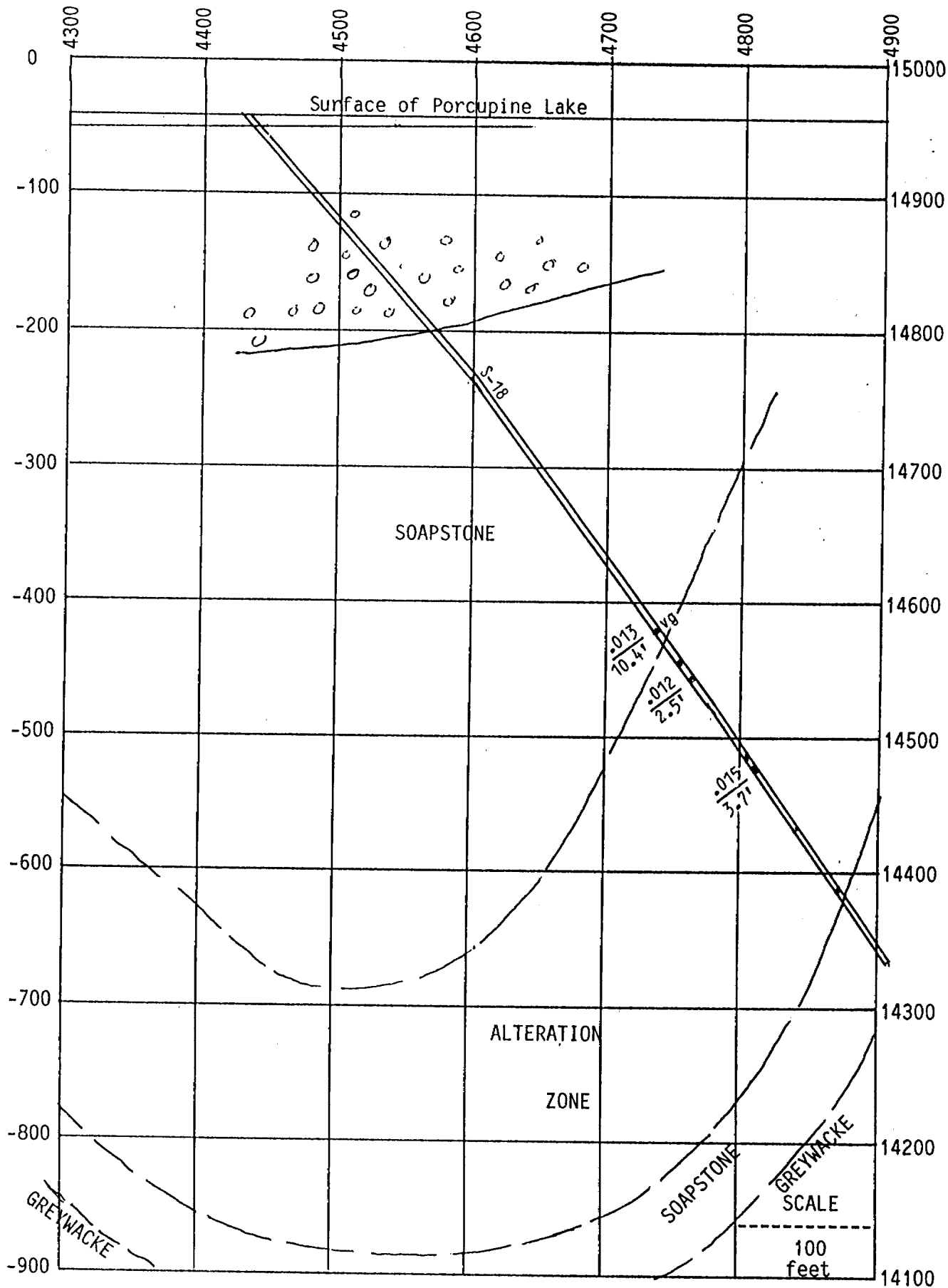
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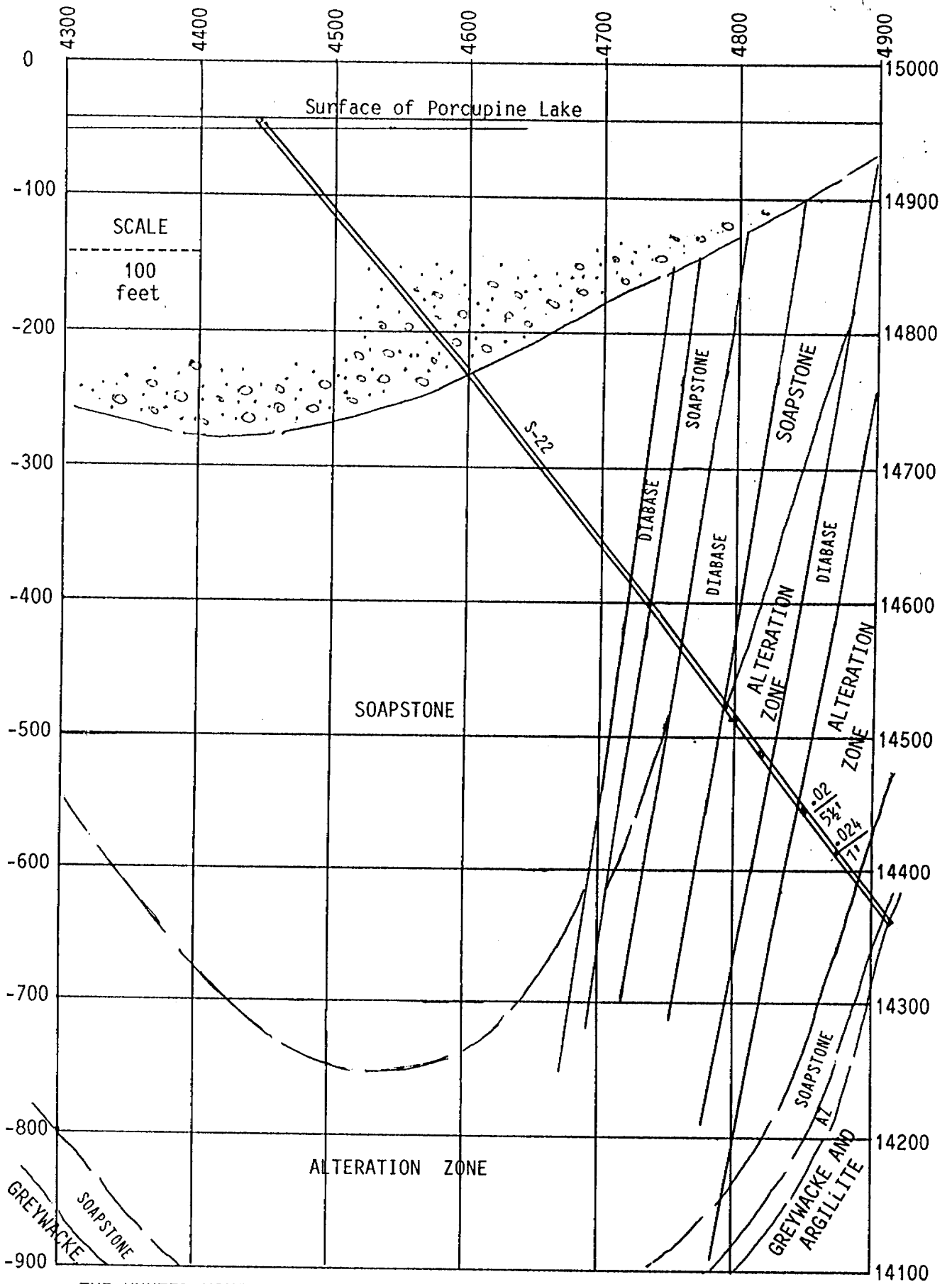
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Values given in ounces of gold per ton aver footages shown



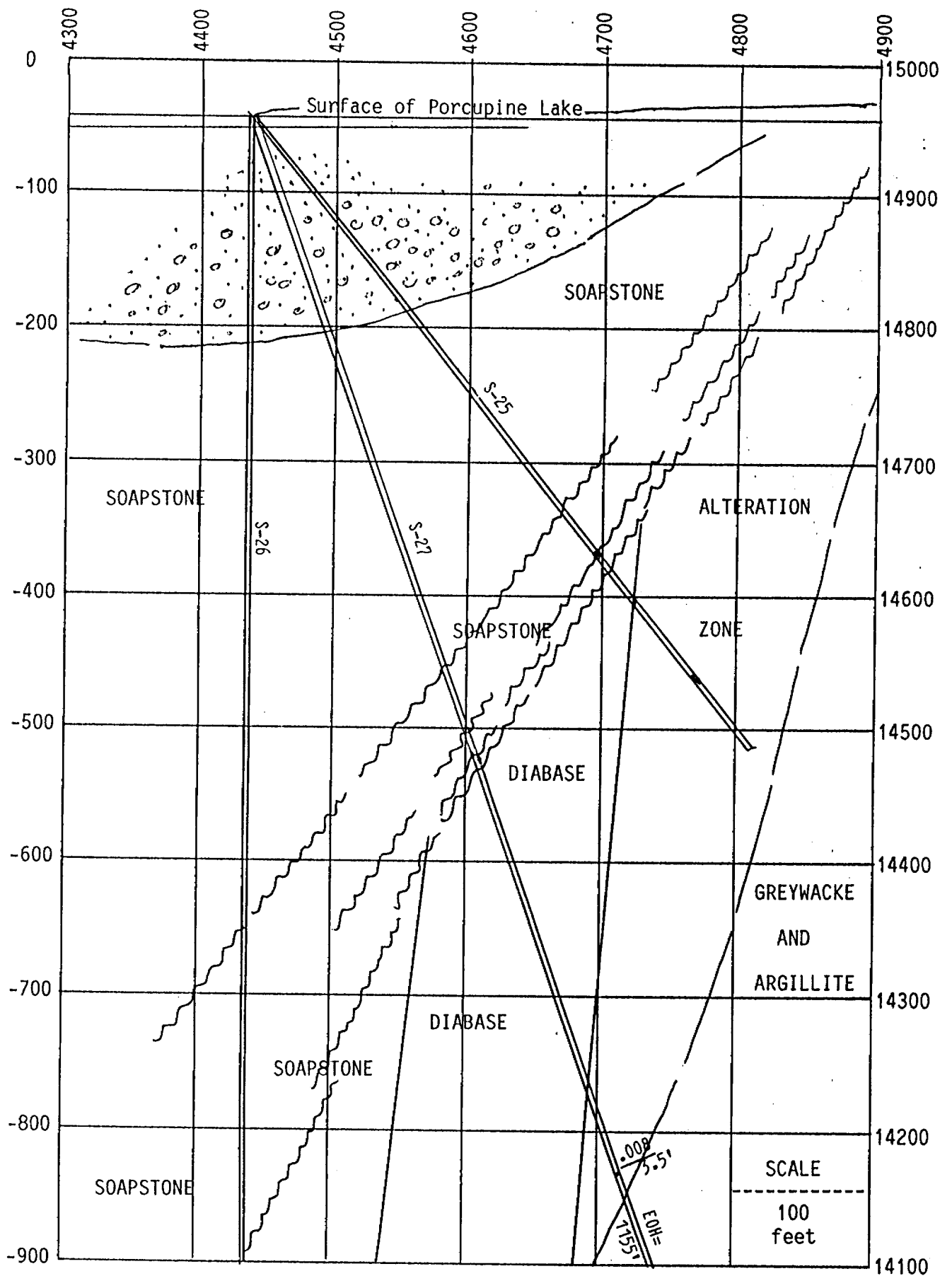
THE HUNTER MINE, WHITNEY TOWNSHIP, ONTARIO: GEOLOGICAL SECTION 10950

Plane of section, 105°; View looking northward; // = Vein systems
 Values given in ounces of gold per ton over footages shown



THE HUNTER MINE, WHITNEY TOWNSHIP, ONTARIO: GEOLOGICAL SECTION 11150

Plane of section, 105°; View looking northward; // = Vein systems
 Values given in ounces of gold per ton over footages shown



THE HUNTER MINE, WHITNEY TOWNSHIP, ONTARIO: GEOLOGICAL SECTION 11500

Plane of section 105°; View looking northward; // = Vein systems
 Values given in ounces of gold per ton over footages shown



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HUNTER MINE
WHITNEY TOWNSHIP, ONTARIO
1988 DRILLING PROGRAM
SUMMARY OF RESULTS

by

John L. Kirwan
BS MSc PhD PE PEng

Earth Resource Associates,
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PO Box 2150,
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705 235-2777

October 28, 1988

SUMMARY

Of a projected 60 drill holes from underground and surface at the Hunter Mine, some 7 were drilled to completion in 1988, an 8th one being lost due to poor rock conditions. Work was suspended pending refinancing of the project in March, 1988. The drilling was designed to define the extent and grade, and therefore the tonnage, of part of a gold-bearing zone of rock beneath the mine workings some 1450 feet long and 5 feet thick which graded 0.238 ounces of gold to the ton. The drilling was also designed to investigate several geological parameters as an aid in extending the gold-bearing zones and determine mining methods.

With such a small proportion of the projected drilling completed it is premature to draw final conclusions about the distribution of gold in the mine. However, combining the present data with previous information, the following may be said:

1. Gold is associated with silicified zones about the contacts of dikes of quartz feldspar porphyry, with a well-developed drag-fold in the case of the Main Vein, and with a body of Albitite, which has yet to be explored in detail, at and below the -600 foot level of the mine.
2. All values are confined within a 300 foot thick Alteration Zone of sericitic schists which occupies the east limb and bottom of a syncline which pitches northward at progressively steepening angles from about -8° near the mine shaft to over 20° some 500 feet to the north.
3. Current drilling combined with previous work has traced the Main Vein through a down-dip distance of about 400 feet to intersect the 1450 foot zone a little north of half way along its length.
4. Other gold-bearing zones include the Albitite area mentioned above, which is at the -600 foot level; a 500 foot long zone encountered in drilling between 1935 and 1988 eastward from, and below the Main Drift on the first level of the mine; and several "stray" indicators of gold mineralization encountered in earlier drilling.

Recommendations are made to complete the drilling program already begun but extend it slightly to trace gold-bearing veins other than the Main Vein, to explore the Albitite area on the -600 foot level, to open an old pit and drill several holes on the east side of the property so as to locate vein structures reported or indicated there, to conduct a series of test holes from underground to trace the Main Vein and the veins mentioned in 4. above, and to construct underground drifts and crosscuts so as to follow, drill off, and bulk sample the Main Vein and other gold-bearing units as a preliminary to making a production decision on the Hunter Mine.

The presence of additional veins over and above those previously thought to exist on the site, and the possible depth extent of mineralization near the Albitite area, both suggest tonnage possibilities at the Hunter Mine that are greater than previously thought.

For a further discussion of these points the reader is directed to the Summary and Recommendations on pages 21 and 22 below.



CONTENTS

SUMMARY.....i
 INTRODUCTION.....1
 THE 1988 DRILLING.....3
 RESULTS.....5
 ECONOMIC SIGNIFICANCE.....14
 GEOLOGICAL RESULTS.....16
 SUMMARY.....21
 RECOMMENDATIONS.....21
 DECLARATION.....23
 APPENDIX.....24

ILLUSTRATIONS

FIGURE 1:Current Drilling in Relation
 to 1986 Drilling.....6
 FIGURE 2:Underground Plan.....7
 FIGURE 3: Geological Section 10050.....8
 FIGURE 4: Geological Section 10515.....9
 FIGURE 5: Longitudinal Section.....10
 FIGURE 6: 1938-1940 Drilling.....17
 APPENDIX: Drill Logs for Holes U-6
 Through U-13, 8 pages after..24

This report consists of 23 numbered pages, plus 2 numbered i and ii forming Summary and Contents pages, plus a Title page dated October 28, 1988.

The Appendix consists of an introductory page numbered 24, plus 8 pages of diamond drill logs.

HUNTER MINE PROPERTY, WHITNEY TOWNSHIP, ONTARIO, 1988 DRILLING PROGRAM

SUMMARY OF RESULTS

by

John L. Kirwan

INTRODUCTION

The Hunter Mine, discovered in November, 1907 on the east shore of Porcupine Lake, Timmins, had a brief period of production between 1935 and 1940, during which some 10,000 tons of gold-bearing ore was processed in a small mill on the site. The property lay dormant from 1940 to 1983, in which year it was acquired by Wabigoon Resources Ltd. of Toronto, who conducted both surface and underground exploration programs between that date and the present. In 1986 a series of drill holes was put down from the frozen surface of Porcupine Lake so as to test for gold-bearing mineralization below -300 feet (the lowest level that had been mined) and both northward and southward from the mine workings--ie. to test for mineralization not previously known. This 1986 drilling indicated that gold-bearing mineralization exists below

the mine workings and beyond them northward and southward, and indicated that this mineralization extends to at least the -400 foot level and has a strike length of 1450 feet, along which a calculated average uncut grade of 0.238 ounces of gold to the ton across a mining width of 5 feet is indicated, within which a 950 foot zone averages 0.3556 ounces, also calculated across 5 feet, though occasionally this thickness is greater.

In a report dated March 20, 1987, the writer recommended further exploration work so as to define this zone more accurately for the purposes of developing a viable mine on the site. The recommended work was to consist of surface diamond drilling and underground exploration activities including the driving of drifts and crosscuts, diamond drilling, and bulk sampling. This work was designed to define the extent and shape of the gold-bearing zones, to test their grades and thicknesses, and to calculate tonnages, as a preparation for active mining of the deposit. A budget of \$2,500,000, plus an additional \$1,500,000 to bring the deposit to production phase, was estimated.

In late 1987 approximately \$1,500,000 was raised for work on the Hunter Mine, much of which was spent constructing surface buildings, building a headframe, obtaining power and a hoist, and dewatering and restoring the shaft to -300 feet. A beginning was made on the recommended drilling program for the purpose of defining an orebody for the proposed mining: of some 60 drill holes recommended, 7 were completed, an 8th being lost in soft rock. So abruptly did the flow of cash cease that splitting and assaying of most of the drill core was not accomplished until late October, 1988, the drilling operations having been suspended in March.

The purpose of this report is to summarize the results of the 1988 drilling, now that the assay results, drill logs, and sections are available. It is emphasized, however, that only a small fraction of the holes necessary to outline the gold-bearing units has been completed, and that any conclusions as to tonnage, grade, persistency, or shape of the zones are very premature when considered for mining purposes. Some important geological data has resulted from the 1988 work, however.

THE 1988 DRILLING

OBJECTIVES

The recommended diamond drilling on the Hunter site over a period of perhaps 1½ years, beginning in mid-1987, was as follows:

1. From the Frozen Surface of Porcupine Lake, 5 diamond drill holes for a total length of 5000 feet for the purpose of defining northward from its discovery area a structural syncline which appeared to govern the distribution of the gold-bearing units.
2. From Several Locations on the Property, a further 5000 feet of drilling for the purpose of,
 - a. testing for eastward repetition of the gold-bearing units, and
 - b. testing for deep gold mineralization below the mine workings.
3. From 2 Crosscuts, Numbers 281 and 283, from the Mine Workings, a total of at least 50 drill holes fanned out to intersect the vein systems below the -300 foot level so as to:
 - a. test for continuity of the mineralization,
 - b. determine if the gold is in one unit or several,
 - c. obtain sufficient intersections so that the results could be used to calculate potential tonnage and grade of the mineralization,
 - d. establish a relationship between rock units, structure, alteration, vein systems, and mineralization, and
 - e. try to locate indications of mineralization at greater depths in and below the mine workings than previously indicated.
4. From a New Drift to be Driven Underneath the Main Vein in the Mine: several fans of drill holes, put out on a systematic basis, for the purpose of defining ore, mining widths and locations, and grade.
5. From Existing Drifts in the Mine, a series of test holes to follow gold-bearing zones where they disappear into drift walls and below the level.

Of the above, item 3c. became the most important in the short term in that it could yield results which would add considerable confidence in the interpretation of previous work and might yield preliminary tonnage figures from which mining plans could be made.

Surface drills were unavailable in late 1987—early 1988, a fact which prevented items 1. and 2. above being performed. Provincial law required an operating hoist for work below -100 metres, a fact which prevented item 4. above, which was scheduled for -450 feet, to be performed. Underground mapping, which took place in 1988 was unavailable earlier, a fact which prevented item 5. from taking place, since geological maps of the vein systems would have been required. It was, however, found possible to perform part of item 1. by deepening holes that were put down from the -281 crosscut, and at a cheaper cost than would have resulted from drilling from the frozen surface of the lake. Drilling from the 2 crosscuts, 281 and 283, as indicated in 3. above, became the only path open in early 1988, and a 50 hole program was begun as a result, 24 holes from 283XC and 26 from 281.

While a drill setup was being constructed in 281 XC, two diamond drill holes were put down from 283 XC, U-6 and U-7. Both of these holes were drilled as parts of the 24 hole program scheduled for this setup, but one of them was drilled into the schistosity to experimentally determine the behavior of the drills in this difficult and unpredictable environment. Hole U-6 was drilled at an azimuth of 285° and U-7 was drilled perpendicular to this at 105°.

After the completion of holes U-6 and U-7 the drill was moved to 281XC for the first fence of holes: a fan along azimuth 105-285° totalling 8 holes, of which 6 proved to be feasible without further preparation work. These initial holes in 281 crosscut were planned to fall between two important drill holes put down in 1986: Hole S-9 in which an intersection of 0.078 Ounces of gold per ton across 4.3 feet was intersected in a plane about 50 feet southward from Hole U-8, and Hole S-15 in which an intersection of 0.761 across 3.3 feet was intersected about 50 feet to the north. This area is also below the main stope of the first level of the mine where grades of 0.61 were reported. Following the completion of this first fence, a second fence was planned to intersect in the vicinity of the intersection in surface hole S-16, which was 0.7169 across 9½ feet. Extensions to 3 of the drill holes from 281XC also helped define the overall syncline in this area and thereby accomplish much of the objective mentioned under item 1. above.

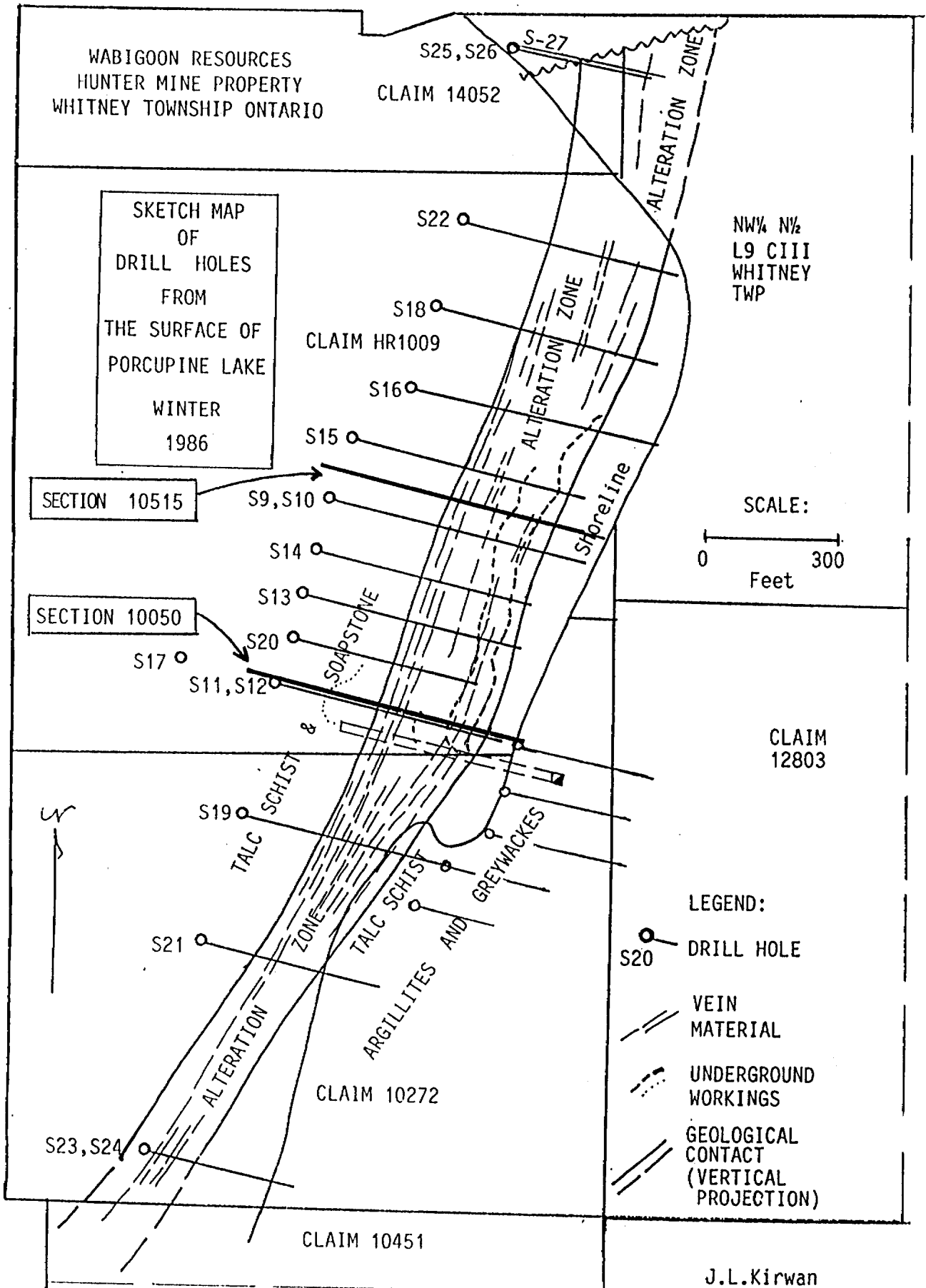
RESULTS

Figures 3 and 4 below (pages 8 and 9) are cross sections through crosscuts 283 and 281 respectively showing the results of drill holes U-6, U-8, U-9, U-10, U-11, U-12, and U-13 of 1988 in relation to earlier drilling, notably holes U-1 to U-5 of 1985 and S-9, S-10, S-11, S-12 and S-15 of 1986 and H-6 of 1985. Figure 5 (page 10) shows the results of hole U-7 in longitudinal section. The locations of Figures 3, 4, and 5 are shown on Figure 2 below (page 7) in relation to the first (-225 foot) level of the Hunter Mine, and the locations of Figures 3 and 4 are shown in relation to the 1985-86 drilling on Figure 1, page 6 below.

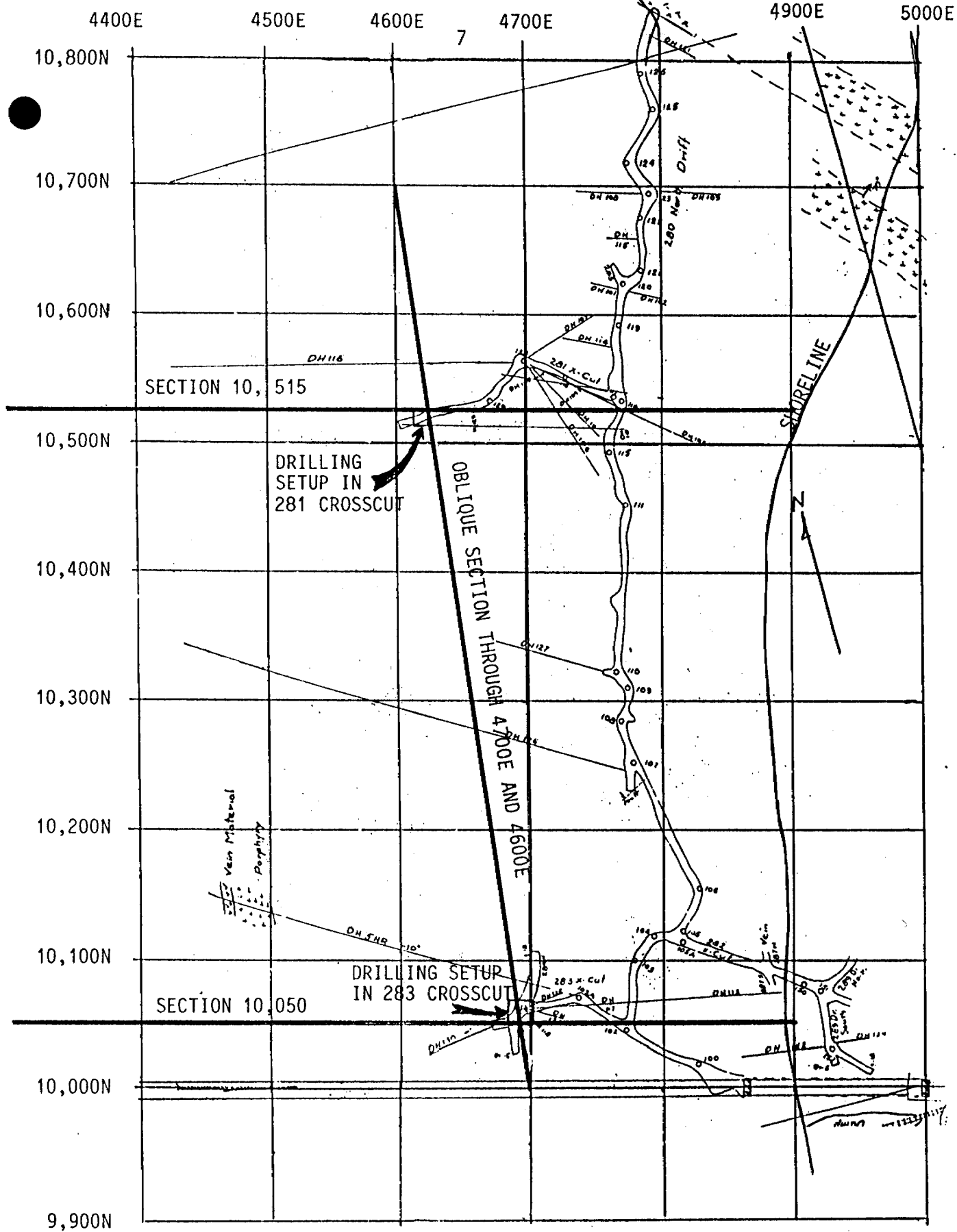
Drill Hole U-6 was put down along plane 105-286° westward at an inclination of -45° so as to intersect the path of surface drill hole S-12 near where it located vein material which assayed 1.195 OzAu/t across 1.5 feet. Although vein material was located in approximately the same location in U-6, no values in gold of interest were encountered, a fact which indicates either the erratic nature of the gold mineralization, or the possibility that a different vein was encountered and the sought-for vein dips more or less parallel with the drill hole. The following weak intersections were obtained from this hole:

From 227-232 feet, 5 feet of 0.01 Au,
 267-272 feet, 5 feet of 0.014 Au, and
 502-507 feet, 5 feet of 0.012 Au.

These values are of the same order of magnitude as intersections obtained in holes U-3 and U-5 from the same drilling setup, but in a different direction, suggesting that wide areas separate good gold intersections. However, this is also the same area where values are reported from drill holes in the 1938-1940 period that included 0.33 opt over 5', 0.58 over 10', 0.31 over 10', 0.24 over 15', 0.14 over 2', and 0.57 and 0.18 over unspecified lengths, so the area certainly warrants investigation, possibly by further drilling or, considering its proximity to the shaft area, by crosscutting and bulk sampling. Above, at the -300 foot level of the mine, a 205 foot long zone occurs in the main drift of the mine which averages 0.20 opt across 2 feet where erratic assay values from channel samples illustrate that many drill holes can pierce the zone with only meagre assay values.

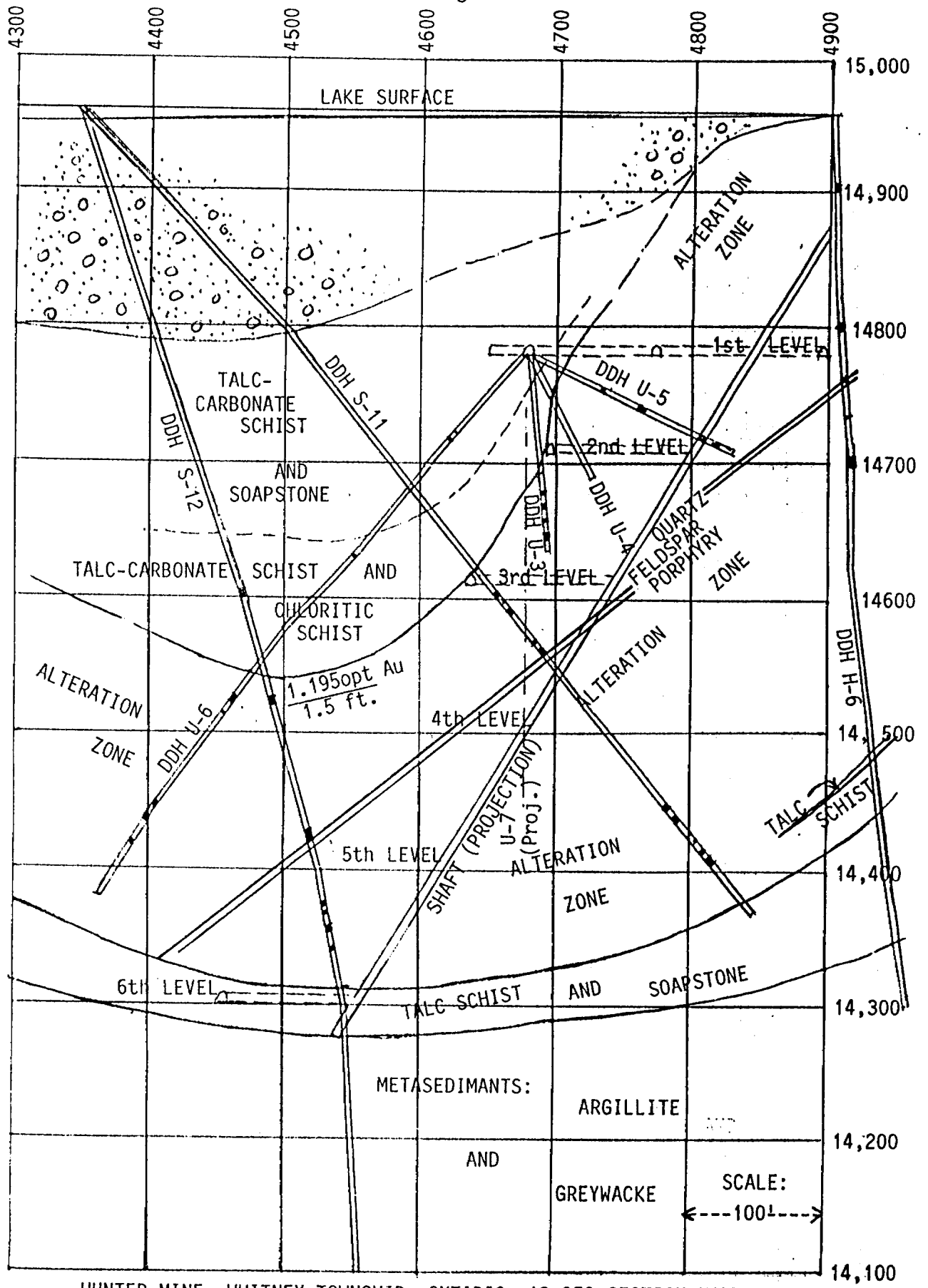


LOCATION OF SECTIONS 10050 and 10515 IN RELATION TO 1985-6 DRILL HOLES
FIGURE 1



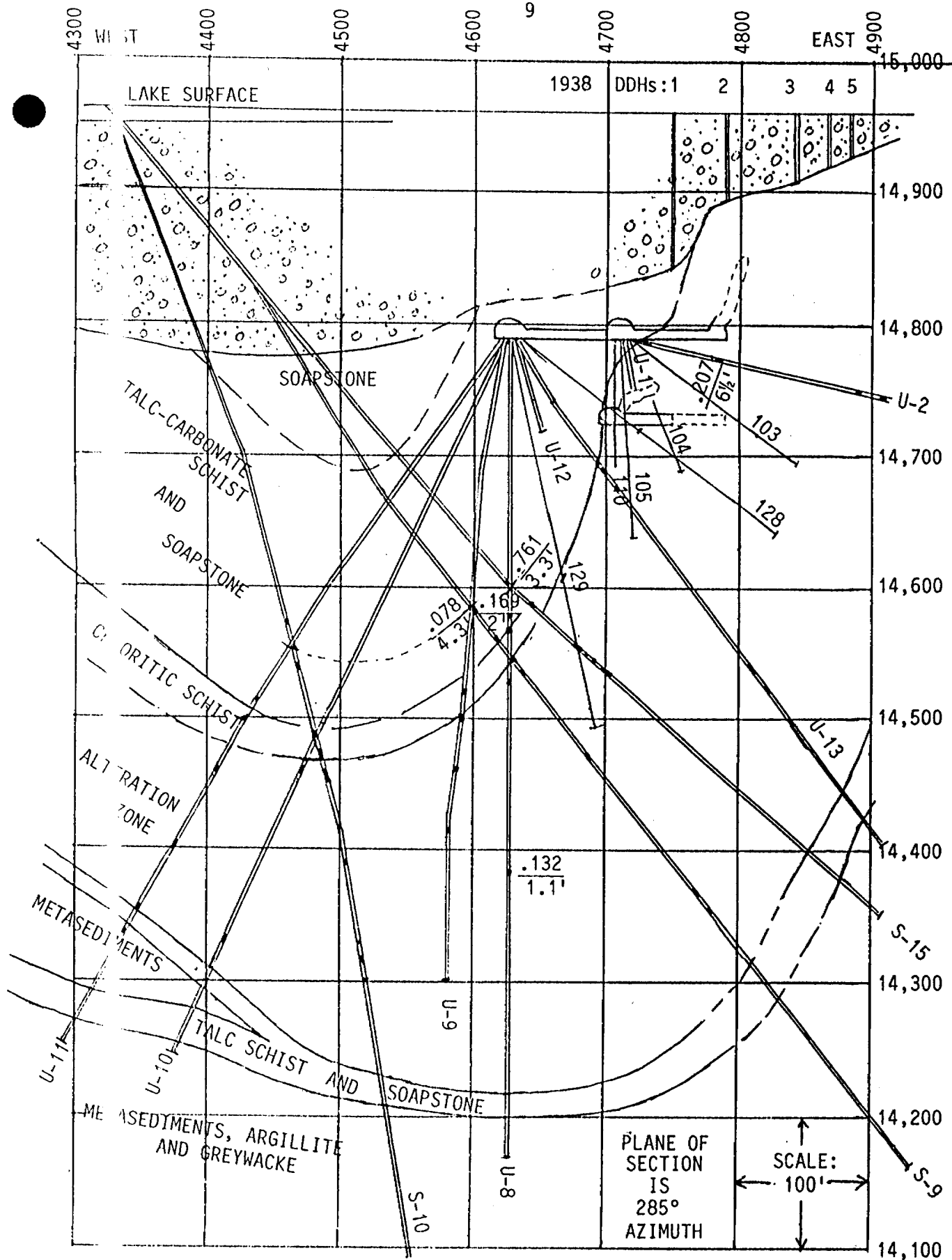
HUNTER MINE: 1983-85 GRID SUPERIMPOSED ON 1940 PLAN OF FIRST (-225') LEVEL SHOWING LOCATIONS OF 1988 DRILLING SETUPS AND CROSS SECTIONS

FIGURE 2



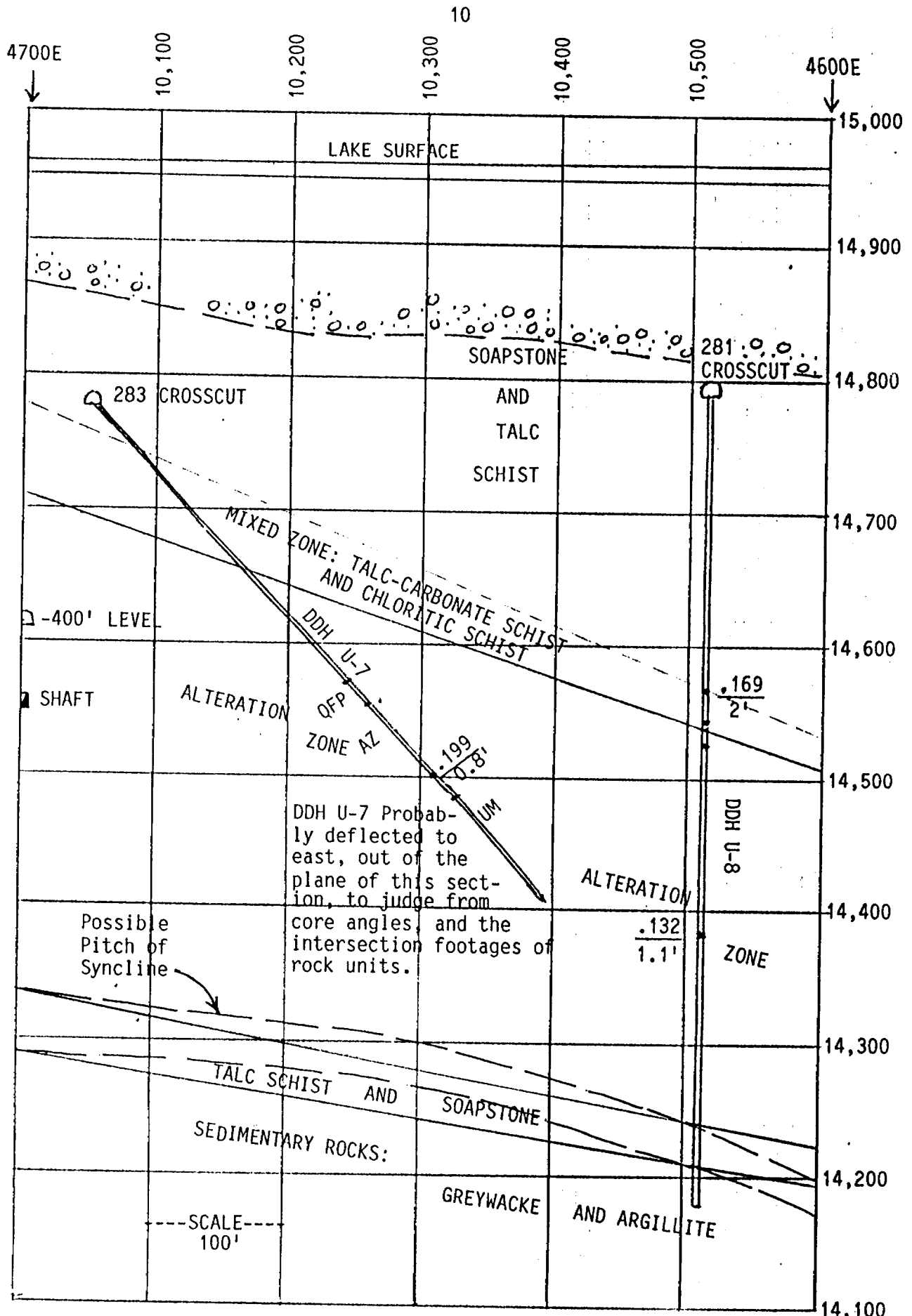
HUNTER MINE, WHITNEY TOWNSHIP, ONTARIO, 10,050 SECTION NORTH
 Shaft is in 10,000 section. Plane of section is 285°. Drill Holes
 U-3, U-4, U-5, H-6, S-11 and S-12 drilled in 1985-6; Holes U-6 and U-7
 drilled in 1988.

FIGURE 3



HUNTER MINE, WHITNEY TOWNSHIP, ONTARIO: 10,515 SECTION NORTH
 Drill Holes U-1, U-2 and S-15 are north of section; S-9 and S-10 are south of section. Drill holes 103, 104, 105, 110, 128 and 129 from underground were drilled in 1937-1940; 1, 2, 3, and 4 from surface were drilled in 1938. No logs survive from any of the 1937-1940 drilling.

FIGURE 4



HUNTER MINE: OBLIQUE SECTION CUTTING 10,000N at 4700E and 10,600N at 4600E.

DIAMOND DRILL HOLES U-7 and U-8 both drilled in 1988

FIGURE 5

Drill Hole U-7 was drilled from the same setup as U-6, only northward at 015° , parallel with the schistosity, but at an inclination of -50° to intersect the gold-bearing horizon at about 300 feet. Even with the flattening out of the schistosity as the hole would have encountered as it progressed downwards into the trough of the syncline, the core angles should not have been greater than 40° , if the plunge of the syncline is considered, yet this core angle approached perpendicularity towards the end of the hole, and encountered the ultramafic lower unit much earlier than expected. This indicates that the hole turned considerably eastwards into the schistosity, though the angle of inclination remained close enough to -50° to be acceptable. Future drilling parallel with the schistosity will have to take into account this turning of the hole. Three weak, and one very short strong intersections, were obtained in Hole U-7:

From 43-48 feet, 0.029 OzAu/t across 5 feet,
 332-337 feet, 0.012 OzAu/t across 5 feet,
 347-352 feet, 0.011 OzAu/t across 5 feet, and
 337.2-338 feet, 0.199 OzAu/t across 0.8 feet.

The first 3 values probably represent 3 of the gold-bearing veins in the mine, including the Main Vein, which here has only low values, but the fourth intersection, narrow though it is, may represent the lower zone indicated in hole U-8, a previously unknown gold-bearing unit which future drilling operations should be planned to explore.

Drill Hole U-8 was the first hole put down from the 281 cross-cut, some 500 feet north of holes U-6 and U-7, and was put down vertically for 617 feet to pass through the entire geological section into the sedimentary rocks below it. Gold values from this hole were as follows:

From 202-205 feet, 0.019 OzAu/t across 3 feet,
 208-210 feet, 0.169 OzAu/t across 2 feet,
 218.3-221.1 feet, 0.013 OzAu/t across 1.8 feet,
 257.5-261.3 feet, 0.045 OzAu/t across 3.8 feet,
 278.6-280.2 feet, 0.021 OzAu/t across 1.6 feet,
 345-353.8 feet, 0.020 OzAu/t across 8.8 feet,

From 353.8-360 feet, 0.013 OzAu/t across 6.2 feet,
 360-365 feet, 0.044 OzAu/t across 5 feet, and
 406.7-407.8 feet, 0.132 OzAu/t across 1.1 feet.

The intersection from 345 to 365 feet represents a 20 foot section with an average value of 0.0238 ounces of gold per ton. This section, though low in grade, is thought to be of considerable interest because of its thickness and possible correlation with the deeper intersection in hole U-7. Another possible correlation is the 1.1 foot intersection in U-8 of 0.132 opt, an intersection that occurred at a depth of 625 feet below surface, the deepest gold intersection so far in the Hunter Mine, and a hitherto unknown zone.

Hole U-9 was drilled westward from the same location as U-8 at an angle of -80° (though it steepened to almost vertical) and for a length of 490 feet, insufficient to reach the lower ultrabasic unit, though it did pass the level of the 20 foot zone in hole U-8 without encountering any gold mineralization at this level, possibly indicating that the dip of this zone is steep enough to pass below the end of the hole. Assays from U-9 include three weak gold-bearing zones:

From 269.2-270.6 feet, 0.025 OzAu/t across 1.4 feet,
 288.7-295 feet, 0.021 OzAu/t across 6.3 feet, and
 324.4-328.4 feet, 0.026 OzAu/t across 4.0 feet

The steepening of hole U-9, without the steepening of the adjoining hole U-10, resulted in a wide space between these holes that remains unsampled by drilling.

Hole U-10 was drilled from the same setup as U-8 and U-9, westward at an angle of -65° and for a length of 602 feet, to pierce the lower ultrabasic units. Several vein systems were encountered, but no assays above 0.007 OzAu/t were returned. The hole passed within 50 feet of surface hole S-10 which also intersected several quartz vein systems but returned values that did not exceed 0.005 opt, except for a 2.9 foot section assaying 0.017 from 501.2-505 feet discovered in 1988 resampling

of this old hole.

Hole U-11 was drilled westward from the same setup as U-8 to U-10, at an inclination of -55° for a length of 632 feet, to pierce the lower ultrabasic unit and the underlying sediments. Although several quartz vein, breccia, and porphyry sections were encountered, no assays over 0.006 opt were returned. Again, as in U-10, the hole passed by the path of surface hole U-10, which also returned very low assay values in gold.

Hole U-12 was drilled eastward from the previous 4 holes, and was designed to pass through the unit which assayed so highly in hole S-15, and was also encountered in S-9 and U-8. Owing to difficulty encountered in the soft soapstone unit at the beginning of the hole, it had to be abandoned at 73½ feet, well before reaching any areas of interest. Two samples taken from the hole assayed 0.001 opt (ie. Trace gold). The absence of any data from the area of where hole U-12 would have gone if it had been successful leaves a fairly large gap between the path of U-8 and U-13. This gap is only partly filled by S-9 and S-15 of 1986.

Hole U-13 was drilled eastward from the same setup as the previous 5 holes, at an angle of -60° for a length of 471 feet and pierced the lower ultrabasic unit and the underlying sedimentary rocks. Several quartz vein systems, breccia zones, and one quartz feldspar porphyry dike were encountered in the hole, which passed about 50 feet below the stope area on the second level of the mine, and the following gold-bearing zones were located:

From	110.7-113.4 feet	0.021 OzAu/t	for 2.7 feet,
	141.7-146 feet	0.028 OzAu/t	for 4.3 feet,
	203-206 feet	0.018 OzAu/t	for 3 feet, and
	328.1-330.3 feet	0.028 OzAu/t	for 2.2 feet.

The first of these probably represents the zone mined in both the first and second levels of the mine.

An attempt was made to drill a further hole at -30° eastward from the same setup as hole U-13, to pass closer to the stoped areas, but this proved to be too difficult for the drillers to handle.

ECONOMIC SIGNIFICANCE

Holes U-6, U-7

These drill holes represent only 2 of a proposed 24 drill hole program from the 283 crosscut, and as such are insufficient in number to be used for any conclusions about the gold mineralization: its grade, its distribution, its potential mineability, and certainly not its tonnage, though the operators of the mine in 1940 reported that from the drilling at that time from the 283 and 281 crosscuts it was possible to predict a total of 160,000 tons of mineable material. It would be better at the present time to complete the proposed drilling, and to do further sampling and drilling from lower levels of the mine, before reaching any conclusions about the character of the mineralization as indicated in this part of the mine.

One of the problems in determining the character--or even the existence--of gold mineralization in this environment, is the extremely erratic nature of the distribution of the gold. A common rule of thumb in the Timmins area is that 3 out of 5 drill holes that pierce a mineable zone will be "blanks"--with no significant gold values obtained in assay, yet the zone may prove to be highly economic, with a grade overall in the quarter ounce class. Some geologists accept 7 "blanks" in 10 holes, and some will proceed to mine a zone in which only poor values were obtained in assay, knowing that in most cases the zone will prove to be economic, or if not will be redeemed by another zone that will prove to be spectacularly so. For these reasons, assigning grade based on a few drill holes is a very hazardous business.

Even channel samples through a gold-bearing zone, taken for example every 3 feet, can yield a false impression as to the gold content, though this method is obviously statistically superior to drill holes every 100, or even every 25, feet. The only dependable method of establishing grade in a gold mine of the Hunter type is to actually mine, by bulk sampling or test mining, an area of interest. However, the existence of a gold-bearing zone can be established by drilling, and in a mine like the Hunter, where bulk sampling in the form of actual mining has taken place, a great

degree of confidence can be obtained from a few drill holes, as indeed was obtained from the 1986 drilling.

Holes U-8, U-9, U-10, U-11, U-12, U-13

Of these holes, drilled below the stoped area of the mine and in an area of good gold values obtained in surface drilling, a considerable number of good gold intersections was expected. Except for the values in U-8, few good intersections were obtained. It is premature to reach many conclusions about the distribution of gold values in the area, pending completion of the 26 holes scheduled from this area, but taking available information from the plane of the drilling only (see Figure 3, page 8), the following gold indicators exist, working from the top of Figure 3 downwards:

1. Stoped area of first level of mine: 0.61 OzAu/t across 6 feet, for a distance of 60 feet down dip.
2. Drill hole U-2 of 1985 below first level, 0.206 across 6½ feet, for a represented distance down dip of a further 60 feet. This material is still in place.
3. Stope above second level: 0.29 OzAu/t across about 6 feet represented in earlier drilling by:
 - DDH 103: 0.40 across 4 feet,
 - DDH 104: 0.30 across 3 feet,
 - DDH 105: 0.16 across 2.75 ft.,
 - DDH 110: 0.30 across 5 feet, and
 - DDH 128: 0.10 across 1 foot,
 This represents a further down-dip extension of about 60 feet.
4. Area below the second level:
 - DDH 129: 0.04 across 10 feet,
 - DDH U-13: 0.028 across 4.3 feet,
 - DDH S-15: 0.761 across 3.3 feet,
 - DDH U-8: 0.129 across 2 feet, and
 - DDH S-9: 0.078 across 4.3 feet.
 This represents a distance down-dip below the second level of about 200 feet or, to allow projection beyond U-9, 220 feet.

The down-dip continuity of the ore-zone represented in the plane of the 281 crosscut appears to be approximately 400 feet, about 100 feet of which are presently mined out, though these mined out areas are small. Areas northward from the plane of Figure 3 are virtually untouched, except for the very small stope on the second level. It is northward that the excellent intersections in holes S-15 and S-16 were obtained in 1986.

For these reasons the drilling from the 1988 program from the 281 crosscut is thought to be very encouraging, though only 6 (actually 5 as one was incomplete) of the scheduled 26 holes were drilled. The extension of the program to intersect other values in the area, especially northward from 281 XC should prove extremely interesting.

Figure 6, page 17 below shows a summary of the drilling from 281 crosscut in the 1938-1940 period. It is given to illustrate the very complex nature of the geology and the gold values obtained by drilling in the vicinity of the ore zone at the Hunter Mine and the need for a great deal of drilling of a particularly controlled or regular type to adequately elucidate the geological and economic environment. It is in this area that the aborted hole U-12 was attempted and an attempted hole U-14 was not drilled--thus leaving gaps in our information in this very important and complex area.

GEOLOGICAL RESULTS

It is felt that a thorough understanding of the geological environment, particularly with relation to the gold mineralization, is every bit as important as obtaining good assays in drill holes, for it adds a degree of predictability to the question of distribution of the ore. The total geological environment of the mineralization is sought: its position within the depositional succession; its relationship with any intrusive bodies, faults, unconformities, lithological units or stratigraphic horizons; the distribution, nature, and control of alteration, metamorphism, shearing, and vein structures; and the question of structural control of the mineralization, whether strata-bound, or cross-cutting to the stratigraphy, whether localized in faults, unconformities, or drag-folds, whether restricted to a particular rock unit or found in several, whether pervasive or discrete, whether persistent or erratic, or (having reached a conclusion about the distribution of mineralization) whether it might not be found in an unsuspected environment.

In 1988, Roberta Bald of Tamarack Geological and Prospecting Services, of Timmins, was engaged to log the drill holes and map the

underground workings as well as reexamine the older (1985-6) drill core and attack the question of total geological environment of the mineralization at the Hunter Mine. Although hardly enough time was available to reach many definite conclusions---and certainly not enough data--she was able to submit a report dated September 19th, 1988 in which some observations on the subject were made. These data are here combined with my own observations to at least touch on the several questions of the environment of mineralization.

Structural Setting. Known mineralization at the Hunter Mine occurs on the east flank of a north-south trending syncline which underlies the east part of Porcupine Lake and whose form is clearly shown on the sections shown in Figures 3 and 4 above. This syncline pitches towards the north, the floor of it dropping about 90 feet in the 465 feet between the 2 sections. This pitch itself appears to be curved in that drag folds, visible in the shaft area (notably on the second level of the mine) are at a much gentler pitch, suggesting a steepening of the pitch to the north: less than 10° at the Station, and more than 20° some 500 feet to the north. This implies progressive steepening of the syncline, and probably of the contained mineralization, northward towards the plane of the Destor Porcupine Fault, or one of its branches*, which crosses the north side of the property. This steepening may have been produced by drag from this fault and would be expected to approach the vertical as the fault plane is approached. Such steepening occurs on the south boundary of the property where rocks of the Deloro Group are dragged against a similar fault. Implications are that the gold mineralization may likewise steepen, and its strike change to parallel the fault, a situation that will very much affect drilling programs, and eventually, mining.

* The Destor-Porcupine Fault has long been considered to occur along the north shore of Porcupine Lake and a second, parallel, branch fault identified by the writer and called the Bob's Lake Fault, is thought to occur south of the lake. Recent mapping by Darwin Piroshco of the Ontario Geological Survey has reclassified these faults, the Destor-Porcupine now occupying the Bob's Lake Fault location, and the "old" Destor Porcupine being renamed the Dome Fault. If true, this places the Hunter Mine north of the Destor Porcupine Fault.

A matching anticline, eastward from the syncline, with a steep west limb and gentle east limb, may contain a repetition of the gold mineralization, if this mineralization is strata-bound.

Within the syncline, a well-developed roll, or drag-fold, is present, as seen on Figures 3 and 4. On Figure 4 this roll is identified by the ore-zone itself, which dips from nearly vertical in the first level stope, rolling to nearly horizontal in the stopes below this level, to again become steeply-dipping below the second level of the mine. It is possible that gold mineralization is directly associated with this drag-fold and indeed with a whole series of drag-folds in the mine, whose careful definition will be necessary before mining operations or tonnage calculations can be made. A spectacular rock face on the south wall of the small stope above the second level shows the rolling nature of this drag-fold and of the quartz veins within it.

Stratigraphy. The syncline is made up of a core of soapstone and talc and talc-carbonate schist which gives way through a zone of transition in which chloritic and sericitic phases are to be found to a thick unit termed the Alteration Zone which is made up of sericitic schists with abundant quartz and/or chlorite. The Alteration Zone terminates downwards against one or more intrusive sheets of soapstone and gives way below this unit to argillites and greywackes, some of which show a degree of transition towards the mineralogy of the Alteration Zone--ie. suggest that that zone may be derived from it by retrograde metamorphism

One phase within the Alteration Zone, a chloritic schist, was mapped by Arden Brooks, one of the geologists on the site in 1986, as possibly of basaltic origin and to test this hypothesis a single whole rock chemical analysis was conducted on a sample from the unit. This showed so many similarities with average basalts from the Timmins area (notably in Al_2O_3 , SiO_2 , MgO , TiO_2 and other oxides) that it is concluded that this rock is in fact derived from rocks of basaltic composition.

The bulk of the Alteration Zone, made up of light colored sericitic schists is sufficiently chemically similar in oxide makeup to the metasediments, and dissimilar to the overlying ultrabasic rocks, that it is concluded that it is derived from these metasedimentary units,

as indeed visual evidence suggests. Bald has mentioned that the presence of fuchsitic mica, whose composition was confirmed chemically by Kirwan in 1986, suggests that part of the Alteration Zone has ultramafic affinities. One of the whole rock analyses taken from this zone near its top has low enough Al_2O_3 and SiO_2 and high enough MgO to suggest that this is correct. The conclusion is that the Alteration Zone was derived from ultramafic rock in its upper parts, from sedimentary rocks generally, and from rocks of basaltic composition where highly chloritic. Thus the unit, being pervasive between the two soapstone laterals in the succession and present regardless of original rock-type, appears to owe its origin to its location rather than to any original lithology. Its upper contact appears to be gradational, its point on the map being the result of the current geologist's standards rather than being due to any clear-cut line. The contact area, however, is important in that the Main Vein at the mine occurs close to the contact and its location may be due to chemical or structural conditions near that contact.

Porphyries. There is evidence that the gold in the mine is associated with silicified zones on the hanging walls of sheets of quartz feldspar porphyry which are transgressive to the layered rocks. Some of the porphyries were mistakenly identified as quartz veins or chert. If the gold values are clearly transgressive to the overall structure, as seems to be indicated by the porphyries, then it is probable that the various intersections in drill holes may represent several veins rather than one or two. If so, the number of gold-bearing zones will be larger than at first thought and the resulting tonnage of gold-bearing material correspondingly larger.

Felsic intrusive bodies in the mine have been reported by the previous operators, notably a body of Albitite at the -600 foot level of the mine in which 2 samples taken in May, 1940 are reported to have assayed 0.28 and 0.34 ounces of gold per ton. Albitite may prove to be an important exploration target at the Hunter Mine, and the occurrence at the -600 level could be the "tip of the iceberg", if the same association of gold with albitite occurs here as is reported at the DeSantis Mine west of Timmins, where the albitite is said to be the principal exploration target by the present operators.

SUMMARY

The 1988 drilling program, though representing only about 10% of the program recommended for defining ore, has added considerably to the understanding of the mine.

1. Gold values are associated with silicified zones on the hanging walls of quartz feldspar porphyry sheets which may cut across the rock succession. They are also associated with a body of albitite which occurs on the -600 foot level of the mine and which, though discovered in 1940 may be a "new" environment if considered from the viewpoint of at least one other deposit in the Timmins area.
2. The possibly cross-cutting nature of the vein structures implies that a large tonnage deposit could exist at the Hunter Mine.
3. The known gold-bearing rocks are confined to a 300foot thick layer of sericitic schist termed the Alteration Zone which has been deformed into a structural syncline which pitches northward in the vicinity of the shaft at something under 10° , about 500 feet northward from the shaft at something over 20° , and northward from that possibly at a greater angle, perhaps to parallel the Destor Porcupine Fault at -70° as this fault is approached. The steepening of dip northward may have important implications regarding the mineability of the ore and the possible tonnage, both of which may be enhanced.
4. The Main Vein is associated with a prominent drag fold in the succession. This drag-fold and other probable ones parallel with it will help govern future exploration programs.
5. Several different gold-bearing zones are present in the Hunter Mine, all of which warrant further work:
 - a. the Main Vein, which has been traced in drill hole a distance of 1450 feet along strike and which appears to have a down-dip extent in excess of 400 feet in the vicinity of section 10500 of the mine.
 - b. a lower zone beneath this which appears to have a strike length of several hundred feet and is represented by the following drill intersections:
 - i. In Hollinger Drill Hole 1H: 0.18 over 13 feet (1935)
 - ii. In Hollinger Drill Hole 6H: 0.26 over 2 feet (1935)
 - iii. In Hollinger Drill Hole 2S: 0.51 over 1.5 feet (1935)
 - iv. In Hollinger Drill Hole 5S: 0.2 over 5 feet (1935)
(this may be a lower, parallel, zone)
 - v. In Wabigoon Drill Hole U-7: 0.199 over 0.8 feet (1988)
 - vi. In Wabigoon Drill Hole U-8: 0.132 over 1.2 feet (1988)
 the above represents a strike length of over 500 feet.
 - c. the Albitite Zone at -600 feet containing reported assays of 0.28 and 0.34 OzAu/t over unspecified thicknesses.

All of these gold-bearing zones require additional work, as will be indicated below under Recommendations.

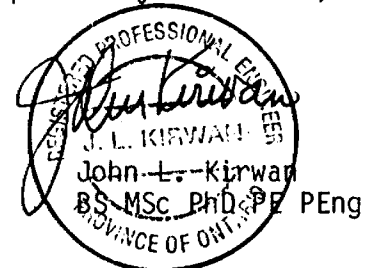
- Potential exists for repetition of the gold-bearing zones which are in the east limb of a structural syncline in the matching limb of the matching anticline, whose existence has been indicated by geophysical surveys in 1985. Indeed, the presence of a large pit in that area seems to verify the reported discovery of quartz vein material in that area by the earlier operators.

RECOMMENDATIONS

- The already-begun 50-hole drilling program from underground should be continued as soon as possible for the purpose of defining grade and tonnage in the Main Vein of the mine, but the drill holes extended so as to test the lower gold-bearing unit mentioned in item 5b. above. All available results should be plotted on a mine model as soon as possible, before and during this work so as to guide and control it.
- Surface diamond drilling, and cleaning out the old pit, should take place to test for continuation of the zones to the east side of the property.
- Mine dewatering should continue and drifting begun to explore the Main Vein for mining purposes, as recommended in previous reports. This work should take into account the possibility of exploring the Albitite Zone on the -600 foot level and tapping sections of the Main Vein for the purpose of obtaining bulk samples. This sampling work will of necessity be governed by the drilling, either that from 1. above or by test holes from the recommended drifting near the vein.
- A program of test drilling should be undertaken from the new drift(s) and the old, the latter to follow the gold-bearing zone or zones mentioned in 5b. above and to trace the Main Vein where it disappears into the mine wall on the second level

The above work is designed to advance the exploration and development of the Hunter Mine to the stage of bulk sampling, immediately before that of active mining, at which time a production decision can be made.

Respectfully submitted,



At Timmins, Ontario,
October 28, 1988

DECLARATION

I, John Laurence Kirwan of the Town of Centre Harbor, State of New Hampshire, United States of America, and of the City of Timmins, Province of Ontario, Canada, state:

1. That I am a practising consulting geologist with offices at 1111 Government Rd., South Porcupine, P.O.Box 2150, Timmins, Ontario, P4N 7X8 and at Knockdoe, Old Meredith Road, P.O.Box 985, Centre Harbor, NH, 03226.
2. That I am President and Principal Consultant of John L. Kirwan and Associates Limited (Earth Resource Associates) which was incorporated in the Province of Ontario in 1976.
3. That I have practised my profession as Geologist continuously since 1961 and as Consulting Geologist continuously since 1972.
4. That I am the holder of a Bachelor of Science degree in Geology and Mathematics from Carleton University and of Master of Science and Doctor of Philosophy degrees, both in Geology, from the University of London in England.
5. That I am a registered Professional Engineer in the Province of Ontario and in the State of New Hampshire, and that my licence to practise in either jurisdiction is not, and never has been, in a state of suspension or revocation.
6. That I am a Life Fellow of the Geological Association of Canada and of the Royal Geographical Society of England and have been elected an Associate, Fellow, or Life Fellow of other scientific or professional societies in Canada, the USA, Ireland, England and Brazil.
7. That the material presented in this report is accurate and that I have direct knowledge of this material; that I have examined all of the data myself, or supervised other competent professionals in their work with this material; and that the conclusions and recommendations reached in this report are my own and have not been derived through the influence of other parties, including the management of Wabigoon Resources Limited.
8. That I do not now have, and do not anticipate receiving any direct or indirect financial or propriorty interest in the property under discussion. However, my wife, Victoria Helen Hanson is the registered holder of 5000 common shares of Wabigoon Resources Limited as of this date, October 28, 1988.


John L. Kirwan

APPENDIX

Summary versions, with assay values, are appended of diamond drill logs for holes U-6, U-7, U-8, U-9, U-10, U-11, U-12, and U-13.

Regarding the assays, a particularly thorough program of sampling and assaying was applied to these drill holes, involving 695 sections of split core (involving 694 assays, the missing assay being a 2½ foot section from the top of a porphyry dike in hole U-10). An additional 15 samples were taken for whole rock analysis, plus 35 grab samples from surface and underground, plus a further 310 samples from the 1985-86 drilling. The latter yielded only low values in gold, except for the 2.9 foot section in Hole S-10 beginning at 501.2 feet which assayed 0.017 OzAu/t and extends a weak zone from 505-510 feet which assayed 0.025 in 1986.

Additional analytical work is now in progress involving the missing sample from hole U-10, check assays of important intersections in the present drilling by another laboratory, and some additional whole rock analyses. When the badly deteriorated rejects from the 1985-86 work can be sorted, check assays using alternate laboratories will be made from the more important intersections.

Earth Resource Associates
P.O. BOX 2150, TIMMINS, ONTARIO, P4N 7X8 CANADA

DIAMOND DRILL LOG

PROPERTY HUNTER MINE
HOLE NUMBER U-6
GRID REFERENCE Section 10050 283XC West
TOWNSHIP WHITNEY CLAIM 1009
AZIMUTH 105° DIP ANGLE -45°

SUMMARY LOG

DRILLING COMPANY Morrisette

FOREMAN Lafontain

DIP TESTS:

100'=-44½'; 150 & 200'=-47°; 300 & 400'=48½'

450'=-54½'; 500'=-59°

CORE SIZE AQ

CORE STORED AT: MINESITE

LOGGED BY R.Bald

DATE Feb. 5, 1988

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS	
			FOOTAGE	OzAu/t
0-2'	CASING			
2-32.2	MAFIC METAVOLCANIC (BASALT?) INT. DIKE? CHECK; Lower Contact at 20° to ca			
32.2-312.5	TALC-CHLORITE-CARBONATE-QUARTZ SCHIST (ULTRAMAFIC?) Schistosity at 71'=25°; 79'=35° to ca			
	QFP Dikes at 79.2-79.5; 81.2-83.1; cp, py 197.0 to 199.5	227-232	0.01	
312.5-369.2	ALTERATION ZONE (SERICITE CARBONATE QUARTZ SCHIST); Lower Contact at 15° to core axis			
	QFP Dikes at 331.9 to 335.5; 345.4 to 346.5'	267-272	0.014	
369.2-389.5	TALC-CHLORITE-CARBONATE (QUARTZ) SCHIST Lower contact at 20° to core axis			
389.5-396.9	MAFIC DIKE (?) Lower contact at 20° to core axis	502-507	0.012	
396.9-400.5	CHLORITE-CARBONATE (QUARTZ) SCHIST			
400.5-508.5	ALTERATION ZONE. Foliation-Schistosity at 455.5=30°; at 504=50° to core axis			
	QFP DIKES 409.7 to 412.1'			
	QV Zones: 432.5 to 433.5; 442-446.5; 468.2-469.1			
	BX Zone 494.4-EOH			
508.5'	END OF HOLE			
	ABOVE LOG derived from the Summary Log prepared by Roberta Bald, with assays and core angle information added by John Kirwan, October 24, 1988.			
	ENTIRE length of hole split and assayed; all values were reported under 0.008 opt except as given above.			

Earth Resource Associates
P.O. BOX 2150, TIMMINS, ONTARIO, P4N 7X8 CANADA

DIAMOND DRILL LOG

SUMMARY LOG

PROPERTY
HOLE NUMBER

HUNTER MINE
U-7

GRID REFERENCE Section 10050 283 Crosscut W

TOWNSHIP WHITNEY CLAIM 1006

AZIMUTH 015° DIP ANGLE -50
50'=44°; 100'=50°; 150'=47°; 200'=46°; 250'=46°
300'=49½°; 350'=45½°; 400'=53°; 450'=48½°;
487'=56°

DRILLING COMPANY MORRISSETTE

FOREMAN Lafontaine DIP TESTS:

CORE SIZE AQ

CORE STORED AT: MINESITE

LOGGED BY R. BALD

DATE Feb. 8, 1988

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
		Footage	OzAu/t
0-16.9'	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST, foliation at 45° to core axis		
16.9-29.2	QUARTZ PORPHYRY DIKE, upper contact at 90°, lower at 40° to ca		
29.2-64.5	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST		
64.5-79	QUARTZ PORPHYRY DIKE	43-48	0.029
79-227.5	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST		
227.5-233.8	QUARTZ PORPHYRY DIKE (?)	332-337	0.012
233.8-266.3	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST; Foliation (at 242') is 30° to core axis		
266.3-277.5	CHLORITE SCHIST	347-352	0.011
277.5-306.8	QUARTZ FELDSPAR PORPHYRY DIKE		
306.8-317.7	ALTERATION ZONE ? (CHLORITE SCHIST) Foliation at 312' = 70° to core axis.	337.2-378	0.199
317.7-320.7	FELSIC DIKE? OR SILICIFIED ZONE? OR BRECCIA ZONE		
320.7-324.5	ALTERATION ZONE? (CHLORITE SCHIST)		
324.5-397.8	ALTERATION ZONE (SERICITE-QUARTZ-CARBONATE-CHLORITE Schist) Foliation at 80° to core axis		
397.8-487	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST (ULTRAMAFIC?) Layering at 80-90° to core axis.		
	QV zones 412.6-413.7; 415.5-416.5; 432.4-433.9.		
487'	END OF HOLE		
	ABOVE LOG derived from Summary Log prepared by Roberta Bald, with assay values and core angles added by John Kirwan, October 24, 1989.		
	Entire length of drill hole was split and assayed; all values reported were below 0.009 oz au/t, except those noted above.		

Earth Resource Associates
 P.O. BOX 2150, TIMMINS, ONTARIO, P4N 7X8 CANADA

DIAMOND DRILL LOG

PROPERTY HUNTER MINE
 HOLE NUMBER U-8
 GRID REFERENCE Section 10515 281 Crosscut
 TOWNSHIP WHITNEY CLAIM 1009
 AZIMUTH 105° DIP ANGLE 90°
 100'=90°; 150=88°; 200, 250=89°; 300=88°;
 350'=89½°; 400=82°; 450=84°; 500=81°;
 550'=89°; 600=86°
 LOGGED BY R. Bald DATE Feb. 15, 1988

SUMMARY LOG

DRILLING COMPANY MORRISSETTE FOREMAN Lafontaine
 CORE SIZE AQ CORE STORED AT: MINESITE

DIP TESTS:
 LOGGED BY

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0-4'	CASING	Footage	OzAu/t
4-71.3	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST; Schistosity at 40'=40°; 57'=15°; 62'=90°; 71'=75°	202-205	0.019
71.3-90.7	INTERMEDIATE DIKE? Lower contact at 50° to ca; Silicified 71.3-71.8; 77.7-79; 80.5-89.9 & 81.5-81.7		
90.7-210.2	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST. Foliation: at 92'=60°; 102'=0°; Lower contact at 80° to ca. Silicified Zones: 179-184.4; 201-202; 208-208.2.	208-210	0.169
210.2-218.3	QUARTZ FELDSPAR PORPHYRY DIKE, Brecciated locally.	218.3-221.1	0.013
218.3-250.6	TALC-CHLORITE-QUARTZ CARBONATE SCHIST		
250.6-474.9	ALTERATION ZONE (SERICITIC AND/OR CHLORITIC SCHIST); Foliation 417-474' = 85-90° Silicified Zone: 406.7-407.8; QF Porphyry: 265-265.7 Breccia Zones: 261.3-262.2; 281.2-281.8; 278.6-280.2	257.5-261.3	0.045
474.9-523.1	TALC-CHLORITE-CARBONATE-QUARTZ SCHIST; QF Porphyry 485.5-486; QV: 477.5-479.8	278.6-280.2	0.021
523.1-581.2	ARGILLITE AND GREYWACKE Foliation at 85-90° to core axis	345-353.8	0.020
581.2-604.6	TALC-CHLORITE-CARBONATE-QUARTZ SCHIST: Foliation, 80-85° to ca.	353.8-360	0.013
604.6-617	ARGILLITE AND GREYWACKE: Bedding at 85-90° to ca	360-365	0.044
617	End of Hole		
		406.7-407.8	0.132
	ABOVE LOG derived from the Summary Log of Roberta Bald, with assays and core angles added by John Kirwan, October 24, 1988.		
	CORE was split and assayed from 62-95'; 175 to 536'; and 610-617'; all assay values were reported below 0.007 opt Au, except those given above.		

Earth Resource Associates
P.O. BOX 2150, TIMMINS, ONTARIO, P4N 7X8 CANADA

DIAMOND DRILL LOG

SUMMARY LOG

DRILLING COMPANY MORRISSETTE FOREMAN Lafontaine
CORE SIZE AQ CORE STORED AT: MINESITE

PROPERTY HUNTER MINE
HOLE NUMBER U-9
GRID REFERENCE 10515 Section; 281 Crosscut
TOWNSHIP WHITNEY CLAIM 1009
AZIMUTH 285° DIP ANGLE -80°
50'=76°; 100'=80½°; 150'=85.5°; 200'=86°
250'=80.5°; 300'=84°; 350'=86°; 400'=78½°;
450=88°; 490=85½°
LOGGED BY R. BALD DATE February 19, 1988

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0-4'	CASING		
4-105.3	TALC-CHLORITE-CARBONATE-QUARTZ SCHIST (SOAPSTONE); Variable foliation 0-90° to core axis	Footage	OzAu/t
105.3-117.7	INTERMEDIATE DIKE? Lower contact at 70° to ca	269.2-270.6	0.025
117.7-120.6	TALC-CHLORITE-CARBONATE-QUARTZ SCHIST Lower contact at 40° to core axis.		
120.6-162.6	INTERMEDIATE DIKE?: Silicified Breccia (?) Zone: 149.8-152.8	288.7-295	0.021
162.6-171.2	TALC-CHLORITE-CARBONATE-QUARTZ SCHIST: Core angles about 20° to ca.		
171.2-190.7	INTERMEDIATE DIKE: Lower contact at 20° to core axis. Silicified Breccia Zones: 174.4-175; 179.6-180; 184.5-185.7.	324.4-328.4	0.026
190.7-215.5	TALC-CHLORITE-CARBONATE-QUARTZ SCHIST; Lower contact at 35° to ca.		
215.5-225.5	INTERMEDIATE PORPHYRITIC(?) DIKE: Lower contact at 35° to ca.		
225.5-231.1	TALC-CARBONATE-CHLORITE-QUARTZ SCHIST- Lower contact at 40° to ca		
231.1-233.2	PORPHYRY DIKE or SILICIFIED BRECCIA ZONE (?)		
233.2-270.6	TALC-CARBONATE-CHLORITE-QUARTZ SCHIST: Breccia? Zone, 258-259.2; Foliation abt. 80° to ca		
270.6-278.6	QUARTZ FELDSPAR PORPHYRY DIKE, Lower contact at 70° to ca		
278.6-287.4	TALC-CARBONATE-CHLORITE-QUARTZ SCHIST		
287.4-490	ALTERATION ZONE (ANKERITE-TALC-QUARTZ SCHIST) Foliation at 90° to ca (at 418', 437') QV: 287.4-287.8; 289.7-290.5; QV Zones: 287.8-288.7; 407.5-408.9; 409.2-410.8, and 416.7-418.6		
490	End of Hole		
	ABOVE LOG derived from the Summary Log prepared by Roberta Bald, with assays and core angles, and some minor corrections, added by John Kirwan, Oct. 24, 1988		
	CORE split and assayed from 61.5-62.5'; 103.9-199', and 215.5-490'. All sections assayed below 0.008 ounces gold per ton, except those given above.		

Earth Resource Associates
P.O. BOX 2150, TIMMINS, ONTARIO, P4N 7X8 CANADA

DIAMOND DRILL LOG

SUMMARY LOG

DRILLING COMPANY MORRISSETTE

FOREMAN Lafontaine

CORE SIZE AQ

CORE STORED AT: MINESITE

PROPERTY
HOLE NUMBERHUNTER MINE
U-10

GRID REFERENCE Section 10515, 281 Crosscut

TOWNSHIP WHITNEY CLAIM 1009

AZIMUTH 285° DIP ANGLE -65±°

DIP TESTS: 50'=63°; 100'=59½°; 150'=66½°; 200'=63½°;
250'=300'=63°; 350'=64½°; 400'=64°; 450'=67½°;
500'=64½°; 550'=67½°; 600'=63½°

LOGGED BY

R.Bald

DATE Feb. 22, 1988

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS	
		Footage	OzAu/t	
0-4	CASING			
4-338.7	TALC SCHIST (SOAPSTONE) Layering sub-parallel with ca, steepens with depth to 85° at 300' QV: 333.8-334.8; QV Zones: 331-332.5; 333.3-333.7. Lower contact 50° to ca			
338.7-353	CHLORITE SCHIST			
353-496.2	ALTERATION ZONE (CHLORITE AND/OR SERICITE SCHIST). Foliation, 80-90° to core axis QV: 396.4-397.1; Breccia Zones: 358.1-360; 367-370.9; 413.2-415.5 & 420.6-435.6			
496.2-511	TALC SCHIST. QV Zones: 499-501.4; 505-506.5			
511-534	QUARTZ FELDSPAR PORPHYRY DIKE. py, po, rare cp. Lower contact at 70° to ca.			
534-539.2	TALC SCHIST, Foliation 80-90° to ca			
539.2-542.5	INTERMEDIATE DIKE? Lower contact at 80° to ca.			
542.5-543.1	TALC SCHIST			
543.1-560.8	METASEDIMENTS (GREYWACKE AND ARGILLITE): Locally talcose, argillite is graphitic; Sedimentary layering at 85-90° to core axis; some local silicification.			
560.8-596	TALC SCHIST, Foliation at 80-90° to core axis.			
596-602	BLACK ARGILLITE, layering at 85° to core axis.			
602	End of Hole			
	ABOVE LOG derived from the Summary Log of Roberta Bald and the Preliminary Log of John Kirwan, with core angles and assay information, and minor corrections, added by John Kirwan, October 24, 1988.			
	Core was split and assayed from 134 to 149' and from 240.5-544.5'; all reported assay values were below 0.008 OzAu/t. No assay value available for sample C-0510 from 511-513.5'.			

Earth Resource Associates
P.O. BOX 2150, TIMMINS, ONTARIO, P4N 7X8 CANADA

DIAMOND DRILL LOG

SUMMARY LOG

PROPERTY HUNTER MINE
HOLE NUMBER U-11
GRID REFERENCE Section 10515, 281 Crosscut
TOWNSHIP WHITNEY CLAIM 1009
AZIMUTH 285° DIP ANGLE -55°

DRILLING COMPANY MORRISSETTE FOREMAN Lafontaine DIP TESTS: 100'=200'=55½°; 300'=58½°; 400'=60°;
CORE SIZE AQ CORE STORED AT: MINESITE LOGGED BY R.Bald DATE 500'=56½' March 11, 1988

FOOTAGE	DESCRIPTION OF CORE	SAMPLE	ASSAYS	
		NUMBER	Footage	BzAu/t
0-4'	CASING			
4-385.2	TALC SCHIST (SOAPSTONE); Variable schistosity, 0-90°; 30° at 40'; 60° at 208' Chlorite Schist (Mafic Metavolcanic Flow and/or lapilli tuff or Mafic Dike) at 292-295.4; 262.5-286.9; 356-358.9 and 359.6-385.2. QV Zones: 257.4-257.7; 261.9-262.5; 349.1-350.8; 351-355.3; 367.8-369.6; 382.4-385.2. QF Porphyry dike: 297.8-298.3; Breccia Zones: 373.1-375.3; 375.8-376.7. Schistosity & Layering: Generally about 80° around 370'			
385.2-481.2	ALTERATION ZONE: Layering generally 80-90° to ca. Breccia Zone: 430.6-431.4; QV Zones: 450-451; 451.2-451.8; 452.1-452.7; 453-453.9; 455.5-455.8; 479.9-480.6.			
481.2-496.1	MAFIC METAVOLCANIC FLOW (?) (CHLORITE SCHIST). Lower contact 90° to core axis.			
496.1-510.8	ALTERATION ZONE (SERICITE-QUARTZ-CARBONATE-CHLORITIC SCHIST) Breccia Zone, 509.7-510.1			
510.8-511.7	QUARTZ FELDSPAR PORPHYRY DIKEW Lower Contact at 80-85° to ca.			
511.7-537.7	TALC SCHIST. Q-C-V Zones: 516.5-518.2; 519.2-521.3; 530.4-531.9.			
537.7-540.0	QUARTZ FELDSPAR PORPHYRY DIKE: Lower contact 90° to ca.			
540.0-558.8	TALC SCHIST: Layering generally at 80° to core axis. INTERMEDIATE DIKE? 543.7-553.3; Silicified Zones 543.8-545.5; 549.4-550.7; 550.9-553.3			
558.8-588.3	GREYWACKE with MINOR ARGILLITE			
588.3-616	TALC SCHIST (SOAPSTONE): Schistosity at 90° to core axis.			
616-632	ARGILLITE WITH MINOR GREYWACKE: Contorted (tops both uphole and downhole from 623-629) Average layering at 70° to core axis.			
632	End of Hole.			
	ABOVE LOG derived from the Summary Log of Roberta Bald and the Preliminary Log of John Kirwan, with minor corrections, assay information, and core angles added by John Kirwan, October 24, 1988. Core split and assayed from 257-258'; 297.8-298.3; 318-322; 349.1-564; 569.1-569.5; and 628.7-631.3. All assay values were below 0.007 ounces gold per ton.			

Earth Resource Associates
P.O. BOX 2150, TIMMINS, ONTARIO, P4N 7X8 CANADA

DIAMOND DRILL LOG

PROPERTY HUNTER MINE
HOLE NUMBER U-13
GRID REFERENCE 10515 Section, 281 Crosscut
TOWNSHIP WHITNEY CLAIM 1009
AZIMUTH 105° DIP ANGLE -60°

DRILLING COMPANY MORRISSETTE FOREMAN Lafontaine DIP TESTS: 100'=54°; 200'=54.5°; 300'=54°; 400'=55.5°
CORE SIZE AQ CORE STORED AT: MINESITE LOGGED BY R.BALD DATE March 21, 1988

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
		Footage	OzAu/t
0-6	CASING		
6-104.5	TALC SCHIST (SOAPSTONE): Layering at 45-50°. QVZ: 100.7-100.9'		
	INTERMEDIATE DIKE?: 43.3-45.6; 49.8-53.4; 56.7-64.1 (Contacts of first 2: 45 & 50°)		
	Silicified Zone: 61.5-62.1		
104.5-386.6	ALTERATION ZONE: Foliation at 60° (106'); 60° at 191'; 45° at 206'; 80° at 216; 90° at 380'	110.7-113.4	0.021
	Breccia Zones: 110.7-113.2; 114.9-115.2; 117.5-117.6; 132.8-133.7; 139.9-141.7; 169.6		
	-170; 179.6-180; 187.7-188.7; 198.2-199.2; (latter with cp); 211.1-212.3;	141.7-146	0.028
	286-286.2; 293.2-293.3; 303.2-310; 318.7-320.1'		
	QV Zones: 113.2-113.4; 119.8-120.1; 213.1-213.3; 275.3-275.8; 277.1-278.7; 290.3-290.9;		
	291.5-292.7; 304.7-305.5; 306.6-312.7; 313.5-314.7; 316.6-320.5; 323-328.1;		
	330.3-332.9; 333.7-334.3; 354.6-354.9	203-206	0.018
386.6-409.4	CARBONATE-TALC-QUARTZ SCHIST (ULTRAMAFIC?) QV: 391.3-391.6.		
409.4-410	QUARTZ FELDSPAR PORPHYRY DIKE, Upper contact at 50° to core axis.	328.1-330.3	0.028
410-416.4	CARBONATE-TALC-QUARTZ SCHIST (ULTRAMAFIC?) QV Zone: 410-411.2		
416.4-417.6	METASEDIMENTS (?): Finely banded argillite; Layering at 75-80°; Lower Contact at 75°		
417.6-447.2	TALC SCHIST, Lower Contact at 60° to ca		
447.2-448.2	INTERMEDIATE DIKE		
448.2-455.2	TALC SCHIST		
455.2-471	METASEDIMENTS (GREYWACKE and MINOR ARGILLITE); Layering at 75-80° to core axis.		
471	End of Hole		
	ABOVE LOG derived from the Summary Log prepared by Roberta Bald with additions of core angle and assay data by John Kirwan, October 17, 1988.		
	Sections of the drill hole that were split and assayed were: 60-62.1' and 105.7-414'; All reported assay values were below 0.009 Oz Au/t except those shown above.		

HUNTER MINE

DIAMOND DRILL LOGS U-6 thru U-13

PHOTOCOPIES OF ORIGINALS WITH ASSAYS

(ACTUAL ORIGINALS REMAIN IN POSSESSION OF ROBERTA BALD. IT WAS NECESSARY TO PLOT THE ASSAY VALUES ONTO GOOD PHOTOCOPIES OF THESE ACTUAL ORIGINALS SO THAT THE PHOTOCOPIES HAVE NOW BECOME THE EFFECTIVE "ORIGINALS".)

LOGGED BY ROBERTA BALD, FEB. - MARCH, 1988

ASSAYS ADDED BY JOHN KIRWAN, OCTOBER, 1988

Earth Resource Associates
P.O. BOX 2150, TIMMINS, ONTARIO, P4N 7X8 CANADA

PROPERTY *Hunter Mine*
HOLE NUMBER *U-6*
GRID REFERENCE
TOWNSHIP *WHITNEY* CLAIM
AZIMUTH
DIP ANGLE *-45°*

DIAMOND DRILL LOG

LENGTH: *508.5'*

DRILLING COMPANY *Morrisette* FOREMAN
CORE SIZE *AXT* CORE STORED AT: *NINE SITE*

DIP TESTS:
LOGGED BY *R. Bald* DATE *Feb. 5/88*

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS	
			Au	SAMPLE#
0-2.0'	CASING			
2.0'-32.2'	MAFIC METAVOLCANIC (BASALT?) Fine- to medium-grained, dark grey, massive to locally foliated (generally at low angle to Core Axis); unit consists of very small plagioclase crystals in chlorite-rich matrix, generally moderately soft (scratched by knife); no reaction to HCl; local fine- to coarse-grained disseminated pyrite crystals Unit contains local bleached, silicified zones from 2.5' to 2.8'; from 4.4' to 5.2'; from 10' to 12.6'; from 13.8' to 14.5'; from 15.3' to 15.9'; 27.5' to 29.6'; from 30.4' to 31.8'; bleached-silicified zones consist of network of randomly oriented threadlike to up to 1/4" wide milky white to clear, grey quartz veinlets, commonly with yellow-golden tinge, and hard silicified bleached host rock as envelopes on both sides of veinlet; locally bleached zones contain pyrite as fine- to coarse-grained crystals + blebs; locally silicified zone has cherty appearance, locally containing ~2-3% fine-grained disseminated pyrite (from ~28.0' to ~28.5') Lower contact sharp at 28' to CA; next unit appears to cut Basalt unit.	2.0'-4.4' 4.4'-10.0' 10.0'-12.6' 12.6'-15.9' 15.9'-21.0' 21.0'-24.0' 24.0'-27.5' 27.5'-29.6' 29.6'-32.2'	0.001 0.005 0.001 0.001 0.002 0.001 0.001 0.001 0.003	001 002 003 004 005 006 007 008 009
32.2'-312.5'	CHLORITE-CARBONATE-QUARTZ-TALC SCHIST Intensely banded, foliated/schistose unit; dark grey-black and white bands; schistosity direction generally at a low angle to CA but locally variable; no reaction to HCl; carbonate-quartz bands are white and up to ~1/4"	32.2'-37.0' 37.0'-42.0' 42.0'-47.0' 47.0'-52.0' 52.0'-57.0'	0.001 0.001 0.001 0.001 0.001	010 011 012 013 014

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
32.2'-312.5'	CHLORITE-CARBONATE-QUARTZ-TALC SCHIST (CON'T)		
	wide, locally folded, faulted and brecciated; trace disseminated, pyrite locally; locally black, very soft talc bands up to ~1/10" wide, becoming more common and locally cross cutting foliation/schistosity from ~75' (possibly talc-rich veinlets?); local, rare, narrow (< 2" wide) pyrite-rich zones containing about 5-10% fine-grained disseminated pyrite in a grey, sugary textured, possibly sericitic material	57.0'-62.0'	0.001 015
	Schistosity @ 71' is ~25° to CA	62.0'-67.0'	0.001 016
	" " 79' is ~35° to CA	67.0'-72.0'	0.001 017
	Schistosity is very variable from ~75' to 312.5'; from 0° to 90° to CA	72.0'-77.0'	0.001 018
	Quartz veins or Quartz Porphyry dikes: from 79.2' to 79.5'; from 81.2' to 83.1' including a darker, talc-rich section from 81.9' to 82.6' including some massive, black, very soft talc veinlets containing fine- to medium-grained pyrite; the quartz veins are coarse-grained with grey quartz grains with light golden-yellow material between (possibly brecciated?); quartz vein rarely contains chalcopyrite blob and fine-grained disseminated pyrite; sharp to gradational contacts; host rock is very deformed, Z-folded, faulted and brecciated between these quartz veins	77.0'-79.2'	0.001 019
	Local milky white quartz + minor ankerite (? - not reaction to HCl) veins, generally cross-cutting schistosity of host rock; up to ~1" wide; from ~87' to ~245'; no sulfides seen, generally at ~45° to 80° to CA, ~3" Q.V. at ~147.0' - 45.3'	79.2'-81.2'	0.001 020
	Cherty-looking, khaki coloured, massive, fine-grained band parallel to schistosity (~10° to CA) at ~89'	81.2'-83.1'	0.001 021
		83.1'-87.0'	0.001 022
		87.0'-92.0'	0.001 023
		92.0'-97.0'	0.001 024
		97.0'-102.0'	0.002 025
		102.0'-107.0'	0.001 026
		107.0'-112.0'	0.001 027
		112.0'-117.0'	0.001 028
		117.0'-122.0'	0.001 029
		122.0'-127.0'	0.001 030
		127.0'-132.0'	0.001 031
		132.0'-137.0'	0.002 032
		137.0'-142.0'	0.001 033
		142.0'-147.0'	0.004 034
172' tag	NOTE: TWO 167' tags ~1.5' apart, in 2 boxes; from tag to EOH, should add 1.5' to all tags.		

EARTH RESOURCE ASSOCIATES: DIAMOND DRILL LOG.

PROPERTY: HUNTER MINE HOLE NUMBER: U-6

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
32.2'-312.5'	TALC-CHLORITE-CARBONATE (QUARTZ) SCHIST (CON'T)		
		147.0'-152.0'	0.001 035
		152.0'-157.0'	0.004 036
		157.0'-162.0'	0.001 037
		162.0'-167.0'	0.003 038
	NOTE: 212' tag at end of box 9; then 222' at start of box 10 → (OK) corrected by R. Bald	167.0'-172.0'	0.001 039
		172.0'-177.0'	0.001 040
		177.0'-182.0'	0.001 041
		182.0'-187.0'	0.001 042
		187.0'-192.0'	0.004 043
	From 197.0 to 199.5': Quartz vein or Quartz Porphyry with massive black talc similar to 79.2' to 79.5', etc.; upper contact sharp at ~40° to CA, lower contact sharp at 25° to CA	192.0'-197.0'	0.001 044
		197.0'-198.5'	0.001 045
		199.5'-202.0'	0.002 046
		202'-207'	0.001 047
		207'-212'	0.003 048
		212'-217'	0.004 049
		217'-222'	0.001 050
		222'-227'	0.001 051
		227'-232'	0.01 052
		232'-237'	0.001 053
		237'-242'	0.001 054
		242'-247'	0.001 055
		247'-252'	0.001 056
		252'-257'	0.001 057
		257'-262'	0.001 058
		262'-267'	0.001 059
		267'-272'	0.014 060
		272'-277'	0.004 061
		277'-282'	0.001 062
		282'-287'	0.001 063
		287'-292'	0.007 064
	Quartz veins similar to ~87' to ~245' from ~285' to ~310'; from 297.5' to 298.3' is a quartz vein at least 1" wide, running along core axis.	292'-297'	0.006 065
		297'-302'	0.001 066
		302'-307'	0.001 067
	Lower contact appears to be somewhat interfingered, parallel to schistosity of both units at 20° to CA.	307'-312.5'	0.001 068

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
312.5'-319.2'	ALTERATION ZONE		
	Buff to light grey to light green, locally cherty-looking isolated/schistose unit; locally with dark, black bands (talc and/or chlorite) locally revealing deformation of unit, consisting of folding, faulting and variable schistosity directions (from ~0° to ~70° to CA); locally unit has such site(?) - rock slips parallel to the foliation; local, rare, coarse-grained disseminated pyrite; locally, cherty-looking material contains small, round to irregularly-shaped quartz crystals, rarely in layers parallel to the foliation direction.	312.5'-317'	0.001 069
		317'-322'	0.001 070
		322'-327'	0.001 071
		327'-331.9'	0.004 072
	Quartz veins or Quartz Porphyry dikes: from 331.9' to 335.56' and 345.4' to 346.5'; ① upper contact inter-fingered with host rock, lower contact sharp at ~35° to bore axis with cherty-looking buff altered material to ~336.5' then unit becomes similar to TALC-CHLORITE CARBONATE (QUARTZ) SCHIST unit except no black bands (but locally such site staining possibly no talc); ② upper contact sharp but somewhat irregular, ~45° to CA, lower contact sharp at 60° to CA Lower contact sharp at 15° to CA, denoted by colour change (abrupt)	331.9'-335.5'	0.001 073 ✓
		335.5'-337'	0.001 074
		337'-342'	0.001 075
		342'-345.4'	0.001 076
		345.4'-346.5'	0.001 077 ✓
		346.5'-352'	0.001 078
		352'-357'	0.001 079
		357'-362'	0.003 080
		362'-367'	0.001 081
		367'-369.2'	0.003 082
369.2'-389.5'	TALC-CHLORITE-CARBONATE (QUARTZ) SCHIST		
	Similar to 32.2' to 312.5'; with local sericite-rich zones (khaki-light brown coloured bands) Lower contact sharp at 20° to CA, parallel to foliation of both units.	369.2'-372'	0.001 083
		372'-377'	0.001 084
		377'-382'	0.001 085
		382'-387'	0.001 086
		387'-389.5'	0.001 087
389.5'-396.9'	MAFIC DYKE (?)		
	Dark grey with white carbonate crystals (reacts slightly to HCl); fine-grained, granular, with khaki-brown coloured carbonate crystals locally along thin bands at 20° to core axis; possibly porphyritic mafic flow? but contacts sharp against country rock; Lower contact at 20° to core axis.	389.5'-396.9'	0.001 088

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS	
396.9'-400.5'	CHLORITE-CARBONATE (QUARTZ) SCHIST Similar to 32.2' to 312.5' but not as much talc, unit is grey, foliated, MX. Lower contact somewhat gradational over a few inches & mainly denoted by a colour change.	396.9'-400.5'	0.001 089	
400.5'-508.5'	ALTERATION ZONE Similar to 312.5'-369.2'; Brown Quartz vein(?) or Quartz Porphyry dike(?) from 409.7' to 412.1', similar to 331.9'-335.5' but brown-buff coloured, cherty looking with cross-cutting milky white to grey quartz veins (randomly oriented); local breccia- ted looking zones within vein; upper contact sharp at 30° to core axis, parallel to foliation of host rock. Lower contact ~25° to core axis, no sulphides seen; Locally unit is sericite-rich, with local fine dusting of fine-grained disseminated pyrite (e.g. near 422.5'). Local zones containing possible tuchstein along foliation planes (from ~429' to ~454'); within this zone are local quartz veins ^{mostly} parallel to folia- tion, consisting of translucent quartz with ^{small} milky white grains in possible bands (parallel to vein walls (poss quartz or feldspar?); up to 2" wide; main quartz vein zones from 432.5' to 433.5' (possibly containing some tourmaline?) and from ~442.5' to 446.5' Unit becomes dark grey from on 451' to ~458' with a possible mafic dike from 456' to ~457.5' (ground core from ~456.5' to ~457.5', only broken pieces left), similar to 389.5' to 396.9'. Zone of quartz veining similar to 432.5' to 433.5' from 468.2' to 469.2' up to 60% quartz; locally fine- grained dusting of pyrite in grey host rock between the quartz; also pyrite (<1% Fx dusting) in host rock locally from ~46.5' to 468.2'.	400.5'-407' 407'-409.7' 409.7'-412.1' 412.1'-417' 417'-422' 422'-427' 427'-432.5' 432.5'-433.5' 433.5'-437' 437'-442' 442'-446.3' 446.3'-451' 451'-456' 456'-457.5' 457.5'-462' 462'-465' 465'-468.2'	0.007 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.004 0.031	090 091 092 093 094 095 096 097 098 099 100 101 102 103 104 105 106

Earth Resource Associates
P.O. BOX 2150, TIMMINS, ONTARIO, P4N 7X8 CANADA

DIAMOND DRILL LOG

LENGTH = 487.0'

PAGE 1 of 7

PROPERTY HUNTER MINE

HOLE NUMBER U-7

GRID REFERENCE

TOWNSHIP WHITNEY CLAIM

AZIMUTH

DIP ANGLE -50°

DRILLING COMPANY MORRISETTE FOREMAN

CORE SIZE

CORE STORED AT:

DIP TESTS:

LOGGED BY R. Bald

DATE Feb. 8/88

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0'-	CASING CHLORITE-		
0'-16.9'	TALC-QUARTZ-CARBONATE SCHIST		
	Dark grey, fine-to medium-grained rock with white to light brown-tan bands < 1/2" wide; variable schistosity directions (from ~0° to ~45° to core axis; locally very deformed and folded and faulted; locally contains fine-to medium-grained pyrite (rare); local cherty-looking bands (tan colour) (note: only ~3 feet of core between 2' and 6' tags).	0'-2'	0.001 118
		2'-6'	0.005 119
		6'-8'	0.004 120
		8'-13'	0.004 121
		13'-16.9'	0.001 122
16.9'-29.2'	Quartz Vein(?) or Quartz Porphyry Dike(?)		
	Light brown-tan coloured, massive, cherty-looking to possibly porphyritic, felsic unit; < 1% black veinlets, possibly tourmaline? locally; rare disseminated pyrite; upper contact irregular, masked by milky white quartz; lower contact sharp at ~50° to core axis (NOTE: ONLY ~19 feet of core between 18' & 28' tags).	16.9'-21'	0.001 123
		21'-27'	0.001 124
		27'-29.2'	0.001 125
29.2'-64.5'	CHLORITE TALC-QUARTZ-CARBONATE SCHIST		
	Similar to 0-16.9'; very deformed banding, folded & faulted; local translucent grey to milky white quartz veins up to 2" wide, generally parallel to schistosity banding, from 55.0' to 55.1', from 56.0' to 56.8' including some brown, possibly quartz porphyry sections and some wispy, black, very soft talc host rock inclusions(?), from 58.2' to 58.6', from 59.6' to 60.3'	29.2'-33'	0.001 126
		33'-38'	0.001 127
		38'-43'	0.002 128
		43'-48'	0.029 129
		48'-53'	0.001 130
		53'-55'	0.003 131
		55'-56'	0.001 132
	Lower contact sharp at about 90° to core axis, next unit cross cuts unit from 29.2'-64.5'	56'-56.8'	0.001 133
		56.8'-58.2'	0.001 134
		58.2'-59.6'	0.001 135

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS	
64.5'-79.0'	Quartz Vein(?) or Quartz Porphyry dike(?) Similar to 16.9' to 29.2' except colour varies from light tan to grey to dark grey and locally (dark grey material) gradually changes colour to lighter grey → possible silicified zones?; about 2-3% fine- to coarse-grained, disseminated pyrite throughout (cubes and blebs); at ~72.5', possibly a wedge of talc-quartz-carbonate schist along one side of core, possibly indicating the vein is folded and trends parallel to core axis at this point(?); Lower contact sharp at 40° to core axis, contact somewhat masked by milky white quartz veins in next unit.	59.6'-64.5'	0.001	136
		64.5'-68'	0.001	137
		68'-73'	0.001	138
		73'-79'	0.001	139
	CHLORITE			
79.0'-227.5'	TALC-QUARTZ-CARBONATE SCHIST. Similar to 0'-16.9' with local thin veinlets of black talc, generally almost 90° to core axis, cross cutting schistosity.	79'-83'	0.001	140
		83'-88'	0.001	141
		88'-93'	0.005	142
		93'-98'	0.001	143
		98'-103'	0.001	144
		103'-108'	0.001	145
		108'-113'	0.003	146
		113'-118'	0.001	147
		118'-123'	0.001	148
		123'-128'	0.001	149
		128'-133'	0.001	150
		133'-138'	0.001	151
		138'-143'	0.001	152
		143'-148'	0.001	153
		148'-153'	0.001	154
		153'-158'	0.001	155
		158'-163'	0.001	156
		163'-168'	0.001	157
		168'-173'	0.001	158
		173'-178'	0.001	159
		178'-183'	0.001	160

EARTH RESOURCE ASSOCIATES: DIAMOND DRILL LOG.

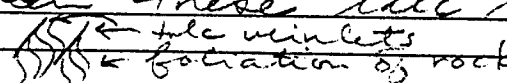
PROPERTY: HUNTER MINE HOLE NUMBER: U-7

FOOTAGE	CHLORITE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
79.0'-227.5'		TALC-QUARTZ-CARBONATE SCHIST (CON'T)	183'-188'	0.001 161
			188'-193'	0.001 162
		Possible small wedge of feldspar porphyry dike (?) at ~208.2'	193'-198'	0.001 163
			198'-203'	0.001 164
			203'-208'	0.001 165
			208'-213'	0.002 166
			213'-218'	0.001 167
		Lower contact sharp, but irregular; some cherty-looking tan-buff coloured bands in TALC-Q-C SCHIST unit within 6 inches of contact and within ~1 inch of contact in next unit; possibly carbonatized? fine-grained, seems to be hard (but could be due to grain size & granular texture.)	218'-223'	0.001 168
			223'-227.5'	0.001 169
227.5'-233.8'		FELDSPAR PORPHYRY DIKE (?)		
		Grey, fine- to coarse-grained, massive to slightly foliated felsic to possibly intermediate unit.		
		Fine-grained with no visible feldspar phenocrysts: from upper contact to about 228.6' (gradational into coarse-grained porphyry over about 2 inches); then from 232.6' to lower contact; this non-porphyrific unit is dark grey to buff and grey, foliated at 40-50° to core axis and contains trace, local fine dusting of pyrite.		
		From ~228.6' to ~230.9': coarse-grained to locally medium-grained feldspar and locally possibly quartz phytic, about 50% phenocrysts (milky white to translucent up to ~1/4" long but generally ~1/10" long; rarely euhedral, lath shaped - but more commonly equant and oval in shape, possibly some deformation/tectonic augen shapes.	227.5'-230.9'	0.001 170
		From 230.9' to 232.6'; similar to above except only about 5% white phenocrysts (plagioclase?, generally milky white).	230.9'-233.8'	0.001 171
		Lower contact broken but appears sharp: tan cherty-looking bands within ~3" of next unit.		
		No sulphides seen in coarse-grained part of dike.		

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
233.8'-266.3'	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST	233.8'-237.5'	0.001 172
	Similar to 29.2'-64.5' and 79.0' to 227.5'	237.5'-242'	0.001 173
	3" section with ~ 2% very coarse-grained to locally	242'-247'	0.001 174
	fine-grained pyrite cubes and locally blobs, disseminated	247'-252'	0.001 175
	to possibly locally associated with thin talc vein-	252'-257'	0.001 176
	lets.	257'-262'	0.001 177
	Talc veinlets cross cut foliation of unit; talc	262'-266.3'	0.001 178
	veinlets trend 60-65° to core axis and foliation trends		
	30° to core axis (at 242').		
	Lower contact indicated by lack of talc veinlets		
	and decrease in quartz ± carbonate veinlets parallel to		
	foliation.		
266.3'-277.5'	CHLORITE SCHIST		
	Dark green to dark greenish grey to grey with about	266.3'-272'	0.001 179
	10-15% white to light grey parallel bands less than	272'-277.5'	0.003 180
	1/4" wide (carbonate and quartz), foliation at ~ 80° to		
	core axis; local zones with almost no veining, rock		
	here is very fine-grained, dark green, massive;		
	veining in edges from 274.3' to lower contact		
	rock is buff-white to light grey, about 70% grey-white		
	veining.		
	Lower contact indistinct but appears to be ~ 90°		
	to core axis, possibly masked by veining.		
277.5'-306.8'	QUARTZ FELDSPAR PORPHYRY DIKE		
	Dark grey and light grey translucent with locally	277.5'-280'	0.001 181
	up to 70 white spots (lath shaped to equant to oval	280'-283'	0.001 182
	plagioclase crystals).	283'-286'	0.001 183
	Dark grey material occurs in fractures, between	286'-289'	0.001 184
	felsic fragments → unit looks brecciated; dark	289'-292'	0.001 185
	material is hard, possibly tourmaline?; fractures	292'-295'	0.001 186
	are randomly oriented.	295'-298'	0.001 187
	Local quartz ± carbonate veining within dike.	298'-301'	0.001 188
	No sulphides seen; lower contact indistinct.	301'-304'	0.001 189
	Lower contact ~ 40° to core axis, subparallel to 50° foliation of next unit	304'-306.8'	0.001 190

EARTH RESOURCE ASSOCIATES: DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: 4-7

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
306.8'-317.7'	ALTERATION ZONE? - CHLORITE SCHIST?	306.8'-312'	0.001 191
	Inhomogeneous material, possibly locally silicified and altered; massive to schistose; fine- to coarse-grained; from mafic, dark greenish grey to dark green schist to light grey, hard, possibly silicified massive material; locally quartz veins cut this unit, up to "1/4" wide, randomly oriented; local fine- to medium-grained pyrite.	312'-317.7'	0.001 192
	Lower contact sharp at ~80° to core axis, slightly irregular, parallel to foliation of this unit Foliation at 312' is 70° to core axis		
317.7'-320.7'	FELSIC DIKE? OR SILICIFIED ZONE?	317.7'-320.7'	0.001 193
	Grey to dark grey to locally tan, cherty-looking, fine-grained; brecciated texture, "fragments" locally appear to be zoned with dark centers & paler rims (possible bleaching effect); No sulfides seen Lower contact brecciated		
320.7'-324.5'	ALTERATION ZONE? - CHLORITE SCHIST?	320.7'-324.5'	0.001 194
	Similar to 306.8'-317.7' Lower contact gradational over ~6"		
324.5'-377.8'	SERICITE - QUARTZ - CARBONATE - CHLORITE SCHIST (ALTERATION Z.)	324.5'-327'	0.002 195
	Fine-grained grey to light green to khaki schist with local bright green color, along foliation planes (possibly fuchsite?); local translucent to grey quartz & carbonate veinlets, generally parallel to foliation; local patches of fine-grained disseminated pyrite within sericite schist host rock but only rarely with quartz veinlets (up to 2" wide).	327'-332'	0.001 196
	Cone breaks up into "coins" locally	332'-337'	0.012 197
	From 377.2' to 378.0': brownish grey, fine-grained, cherty looking material containing up to 3% fine- to medium-grained pyrite as disseminations and along stringers, contact sharp and parallel to foliation of host rock (~80° to core axis)	337'-342'	0.001 198
		342'-347'	0.012 199
		347'-352'	0.011 200
		352'-357'	0.006 201
		357'-362'	0.006 202
		362'-367'	0.001 203
		367'-372'	0.001 204
		372'-377.2'	0.006 205
		377.2'-378'	0.199 206

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS	
324.5-397.8	SERICITE-QUARTZ-CARBONATE-CHLORITE SCHIST (CON'T)	378-382	0.006	207
	Foliation at 337' = 65° to core axis	382-387	0.001	208
	" " 356' = 80° to " "	387-392	0.001	209
	" " 367' = 80° to " "	392-397.8	0.001	210
	" " 377' = 80° to " "			
	" " 387' = 80° to " "			
	Lower contact denoted by very gradual change in colour from khaki-light green to greenish grey and the appearance of cross-cutting thin talc veinlets (locally looks like material between these talc veinlets has been drag folded)  ← talc veinlets ← foliation of rock.			
397.8-487	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST			
	Similar to 233.8-266.3' except colour is dark khaki to greenish grey and talc veinlets are dark greenish grey (mottled w/ blueish-black);	397.8-402	0.001	211
	From 402.0' to ~413.7': very dark grey schist; with quartz vein zone from 412.6' to 413.7' with silicified dark grey host rock between veins; brownish to translucent grey quartz veins < 1/2" wide, randomly oriented; no sulphides seen.	402-407	0.004	212
	From 413.7' onwards, unit is very rich in light grey possible ankerite? veinlets < 1/4" wide and generally parallel to the foliation (~80° to core axis, but somewhat variable), up to ~80% grey veinlets.	407-410	0.001	213
	Quartz vein zone from 415.5' to 416.5' similar to 412.6' to 413.7', some veins running parallel to core axis, cross-cutting foliation.	410.0-412.6	0.001	214
	Coarse-grained, milky white to light grey translucent quartz vein from 432.4' to 433.9' containing about 10% dark greenish grey host rock inclusions; no sulphides seen; contact irregular and cross-cut foliation (~80° to core axis).	412.6-413.7	0.001	215
	No cross-cutting thin talc veinlets from 436.8' to end of hole; unit is buff to light greenish to tan coloured from	413.7-415.5	0.001	216
		415.5-416.5	0.001	217
		416.5-422	0.001	218
		422-427	0.001	219
		427-432.4	0.001	220
		432.4-433.9	0.001	221
		433.9-437	0.001	222
		437-442	0.001	223
		442-447	0.002	224
		447-452	0.001	225
		452-457	0.001	226

Earth Resource Associates
P.O. BOX 2150, TIMMINS, ONTARIO, P4N 7X8 CANADA

PROPERTY HUNTER MM
HOLE NUMBER U-8
GRID REFERENCE
TOWNSHIP
AZIMUTH
CLAIM
DIP ANGLE -90°

DIAMOND DRILL LOG

LENGTH = 617'

DRILLING COMPANY MORRISSETTE FOREMAN R. LaFontaine DIP TESTS:

CORE SIZE AQ

CORE STORED AT:

LOGGED BY R. BALD

DATE FEBRUARY 15/88

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0'-4'	CASING		
4'-71.3'	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST Dark grey, soft, deformed unit; F to MX, with 5% to 75% milky white to greyish-khaki coloured carbonate ^{veinlets} generally < 1/10" wide but up to ~1" wide, randomly oriented (mainly parallel to foliation / schistosity, which is very variable); some folding + faulting of carbonate bands / schistosity (local kink folding); unit contains trace, rare FMX pyrite crystals. Rare, local, grey-translucent quartz veins, randomly oriented, up to ~2" true thickness Very broken soft core from 4' to ~22' with "1' wash" on 22' tag (only 6" of actual core between 15' and 22' tag). Schistosity at 40' = 40° to core axis at 57' = 15° to core axis at 62' = 90° to core axis 71' = 75° to core axis From ~45' to 71.3': local very thin cross cutting talc veinlets, black, very soft. Lower contact appears to have been sharp but ground.		
		62.0'-67.0'	0.001 233
		67.0'-71.3'	0.001 234
71.3'-90.7	INTERMEDIATE DIKE? Grey foliated, medium-grained, moderately soft material without carbonate + quartz veinlets. Typical of previous unit; possible small (<1/10" dia - water) secondary (?) feldspar (?) pl. in quartz; local	71.3'-71.8'	0.001 235*
		71.8'-75.0'	0.001 236
		75.0'-77.7'	0.001 237

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
71.3'-90.7'	INTERMEDIATE DIKE ? (2 1/10" wide) zones of quartz veining as thin milky white net-work of veinlets cross-cutting foliation of host rock; host rock is silicified and bleached within ~ 1/2" of quartz veinlets (host rock becomes light grey); locally, black tourmaline(?) ± Fe-Cx pyrite occur along the quartz veinlets; most intense zones of silicification occur from 71.3' to 71.8'; from 77.7' to 79.0'; from 80.5' to 80.9' and from 81.5' to 81.7'	77.7'-79.0' 79.0'-80.5' 80.5'-81.7' 81.7'-87.0' 87.6'-90.7'	0.001 238 0.001 239 0.001 240 0.001 241 0.001 242
	Foliation of unit is generally constant at ~50-55° to core axis Lower contact sharp at 50° to core axis and dike appears to be chilled within ~2" of contact; contact is parallel to foliations in both units.		
90.7'-210.2'	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST Similar to 45' to 71.3' 1.5" wide band of tan-buff coloured, hard cherty looking material adjacent to upper contact; bleached zone? or massive fine-grained carbonate zone? sharp contacts Foliation at 92' = 60° to core axis at 102' = 0° to core axis 2' grind marked at 117' tag Milky white feldspar? or quartz and translucent quartz vein from 122.8' to 123.2', generally parallel to foliation of host rock at ~40° to core axis but locally cross cutting; vein appears to be barren of sulphides; true width ~3.5" From ~179.0' to ~184.4'; unit locally is possibly sericitic (khaki colour) and silicified (with randomly oriented and variously coloured quartz veinlets, pods & zones; very deformed, locally appears to be brecciated local slight purpleish tinge; similar silicified zone from 201.0' to 202.0' with translucent to grey randomly oriented quartz veins up to ~1/2" cutting hard, khaki-tan	90.7'-95.0' 175.0'-179.0' 179.0'-184.4' 184.4'-188.0' 188.0'-193.0' 193.0'-198.0' 198.0'-201.0' 201.0'-202.0' 202.0'-205.0'	0.001 243 0.001 244 0.001 245 0.003 246 0.001 247 0.001 248 0.001 249 0.002 250 0.019 251

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
207.7-210.2	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST (CONT) silicified host rock; similar short zone from 208.0' to 208.2'. Host rock again takes on khaki tinge (possibly indicating sericite) from 202' to 210.2'. Lower contact ~86° to core axis, parallel to foliation in schist and appears to be inter-fingering for about 1".	205.0'-208.0'	0.007 252
210.2'-218.3	QUARTZ VEIN AND/OR QUARTZ FELDSPAR PORPHYRY ZONE Variable colour, grain size and appearance in this siliceous zone: about 80% brownish tinged to coarse-grained quartz vein(?) with no visible phenocrysts to similar material with milky white, oligoclase? crystals and possibly local translucent quartz phenocrysts, locally brecciated with dark brown, hard material in between angular fragments; locally containing up to 2-3% very fine to coarse-grained pyrite as disseminated cubes or blebs or along fractures; about 20% cross cutting milky white to translucent grey quartz veinlets, randomly oriented, up to ~2" wide. Lower contact ground (along with ~2" of core on either side of contact → only small wedges of redrilled core left).	210.2'-213.6' 213.0'-218.3'	0.169 253 0.001 254 0.002 253
218.3'-250.6	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST Similar to 45' to 71.3'. From upper contact to ~240', unit has slight khaki tinge (possible sericite?), gradually becoming darker. From 220.4' to 221.1': fine-grained, grey to tan cherty-looking unit with black very thin lenses of talc? along foliation direction (~70° to core angle) parallel to host rock. Cross-cutting talc veinlets decreasing down hole, none	218.3'-221.1' 221.1'-223' 223'-228' 228'-233' 233'-238' 238'-240' 240'-245' 245'-250.6'	0.013 256 0.001 257 0.002 258 0.001 259 0.001 260 0.001 261 0.001 262 0.001 263

EARTH RESOURCE ASSOCIATES: DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: 4-8

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
218.3'-250.6'	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST (CON'T) seen in next unit Lower contact locally sharp but partially masked by carbonate-quartz veinlets; contact at 30-35° to core axis, parallel to foliation / schistosity of both units.		
250.6'-474.9'	ALTERATION ZONE Unit is a mixture of 1) sericitic, khaki to green colour-red, medium- to fine-grained sericite + quartz + carbonate schist with locally variable foliation, deformed sections and locally cross-cutting milky white to translucent quartz veinlets, also local possible brecciated zones; Sericitic schist zones from 250.6' to 257.5'; from 261.3' to 265.0' including a brecciated zone from 261.3' to ~262.2' also possibly silicified; from 275.0' to 276.5'; from 280.7' to 316.9', including a brecciated zone for about 3" on either side of 281.5'; local poss. fuchsite (275.5') and cross-cutting veinlets 2) dark green - dark grey, fine-grained, chloritic + quartz + carbonate schist, locally appears silicified, light grey "fragments" cut by local milky white to translucent quartz veins ± carbonate (light grey - milky white); chloritic schist from 257.5' to 261.3'; from 265.7' to 275.0' with a grey section from 272.7' to 275.0'; from 276.5' to 278.6'; and from 280.2' to 280.7'		
	3) possible feldspar porphyry from 265' to 265.7', dark grey to brown with light grey to milky white, locally euhedral plagioclase crystals, randomly oriented, up to ~1/4" long, upper contact sharp at 45° to core axis, parallel to foliation of previous unit, somewhat irregular; lower contact sharp but somewhat obscured by quartz veining, at ~30° to core axis	250.6'-253' 0.000 264 253'-257.5' 0.001 265 257.5'-261.3' 0.045 266 261.3'-265' 0.003 267 265'-267' 0.001 268 267'-272.7' VOID 269 272.7'-275' 0.001 270 275'-278.6' 0.005 271	
	4) possible quartz vein? or quartz porphyry dike? consisting of coarse-grained grey to translucent quartz with brecciated appearance and with dark brown, hard material (tourmaline?) in between	278.6'-280.2' 0.021 272 280.2'-283' 0.003 273 283'-288' 0.001 274 288'-293' 0.003 275	

EARTH RESOURCE ASSOCIATES: DIAMOND DRILL LOG.

PROPERTY: HUNTER MINE HOLE NUMBER: U-8

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
250.6'-474.9'	ALTERATION ZONE (CONT)	273'-278'	0.001 276
	"fragments"; rare trace pyrite in between frag-	278'-303'	0.003 277
	ments; upper contact appears to be sharp but is	303'-308'	0.001 278
	masked by quartz veining; lower contact sharp		
	at ~35° to core axis, parallel to foliation in chlo-		
	rite schist; quartz vein from 278.6' to 280.2'		
	Broken core from ~256' to 257'		
	Unit becomes less schistose from ~285' onward		
	with a probable increase in ankerite and a decrease		
	in sericite.		
	Possible tourmaline as ~1/10" diameter quartz		
	crystals? or crystal aggregates? black, hard; at 303'		
	and from 310.6' to 311.0' (about 5-10% disseminated).	308'-313'	0.003 279
	From 316.9' to ~336.4'; chloritic zone but with	313'-316.9'	0.001 280
	more veining (quartz ± carbonate) than previous	316.9'-322'	0.001 281
	chloritic sections; also local possible tourmaline-	322'-327'	0.001 282
	rich veinlets and/or fragments; also trace local	327'-332'	0.003 283
	fine- to medium-grained disseminated pyrite.	332'-336.4'	0.001 284
	Throughout alteration zone, foliation direc-		
	tion appears fairly constant at about 50° to		
	core axis except from ~317.5' to ~320' where it is		
	variable and the core angles are as low as		
	~10° to core axis		
	From ~336.4' to 353.8'; unit becomes serici-	336.4'-340'	0.001 285
	tic, intensely schistose, with local possible	340'-345'	0.003 286
	felchite along foliation planes and up to	345'-350'	0.014 287
	60% quartz ± carbonate veinlets parallel to schisto-	350'-353.8'	0.026 288
	sity; locally very fine dusting of pyrite within	353.8'-360'	0.013 289
	host rock (e.g. at 340'); also possible tourmaline-	360'-365'	0.044 290
	rich veinlets also parallel to schistosity (black,	365'-370'	0.001 291
	hard, < 1/10" wide).	370'-375'	0.004 292
	From 353.8' onward: mixture of very schistose	375'-380'	0.001 293
	sericitic and ankeritic schist, locally with fine	380'-385'	0.001 294
	kink folds; also local sections (generally less	385'-390'	0.001 295
	than 2-3" long) with up to 3% fine dusting of	390'-395'	0.001 296
	disseminated fine-grained pyrite generally in host	395'-400'	0.001 297

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
250.6'-474.9'	ALTERATION ZONE (CONT)	400'-405'	0.001 298
	Rock between parallel quartz veinlets; local more massive, deformed possibly brecciated sections; schistosity generally at ~70° to core axis except for a few short sections with smaller angles (up to ~20° to core axis); local possible fuchsite spots in quartz-carbonate veinlets and within host rock		
	From ~375' to ~416', unit is cross cut by ~5% milky white to translucent quartz ± carbonate veinlets up to ~3" wide, containing disseminated py $< 1\%$.		
	* Intensely silicified zone (about 75% quartz veins(?) from 406.7' to 407.8', no sulphides seen. Foliation at 417' is 85-90° to core axis (same to the end of unit)	405'-406.7'	0.001 299
		406.7'-407.8'	0.132 300*
		407.8'-412'	0.001 301
		412'-417'	0.001 302
	Unit gradually changes from khaki-greenish colour to grey from 471.9' to lower contact.	417'-422'	0.001 303
	Lower contact sharp, parallel to foliation at ~85° to core axis but with ~5" zone between Alteration zone and next unit of possible fine-grained dikes or bleached zones (massive fine-grained with ~1" containing ~5% fine- to coarse-grained disseminated pyrite)	422'-427'	0.001 304
		427'-432'	0.001 305
		432'-437'	0.001 306
		437'-442'	0.001 307
		442'-447'	0.001 308
		447'-452'	0.001 309
		452'-457'	0.001 310
		457'-462'	0.001 311
		462'-467'	0.001 312
		467'-471.1'	0.001 313
		471.1'-474.9'	0.003 314
474.9'-523.1'	TALC-CHLORITE-CARBONATE-QUARTZ SCHIST		
	Similar to 45' to 71.3' except with a khaki coloured tinge (possibly due to ankerite)		
	Local talc filled cross cutting veinlets, filled with graphite at 475.5' only.		
	* Quartz vein from 477.5' to 478.9'; milky white, coarse-grained, containing ~20% host rock inclusions; no sulphides seen; upper contact sharp at	474.9'-477.5'	0.001 315
		477.5'-478.9'	0.001 316*
		478.9'-481.2'	0.001 317

EARTH RESOURCE ASSOCIATES: DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: U-8

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
474.9'-523.1'	TALC-CHLORITE-CARBONATE-QUARTZ SCHIST (CON'T) 20° to core axis but irregular; lower contact irregular		
⊗	From 481.2' to 482.2'; hard, dark grey possibly intermediate - felsic dike? or silicified zone? cut by ~30% quartz veinlets, randomly oriented, trace pyrite, locally within crosscutting quartz veinlets; upper and lower contacts sharp at ~80° to core axis, parallel to foliation of host rock.	481.2'-482.2' 482.2'-485.5'	0.001 318 ⊗ 0.001 319
⊗	From 485.5' to 486.1'; pinkish to translucent possible quartz, feldspar, porphyry dike or quartz vein; upper contact somewhat inter-fingered at 80° to core axis; lower contact at 55° to core axis parallel to talcose schist host rock.	485.5'-486.1' 486.1'-491'	0.001 320 ⊗ 0.001 321
	From ~486.1' to lower contact, unit becomes dark grey-black (talc-chlorite) with about 60-75% light grey-white carbonate (possible ankerite?) veinlets up to ~1" wide but generally ~1/10" wide parallel to schistosity (generally ~90° to core axis but locally variable & deformed, folded)	491'-496' 496'-501' 501'-506' 506'-510.3'	0.001 322 0.001 323 0.001 324 0.001 325
	From 510.3' to 512.1': hard, light grey to dark grey dike? similar to 481.2' to 482.2' with local precipitated looking sections, possible small tourmaline crystals locally disseminated; no sulphides seen; contacts parallel to foliation at about 75° to 85° to core axis.	510.3'-512.1' 512.1'-517.0' 517'-523.1'	0.001 326 0.003 327 0.002 328
	Lower contact ground		
523.1'-528.2'	ARGILLITE AND GREY WACKE		
	From 523.1' to 525.5'; fine- to medium-grained khaki to grey coloured unit with ~1-2% quartz ± carbonate veinlets, soft	523.1'-525.5'	0.001 329
	From 525.5' to 528.6' unit contains ~40-50% thin light grey carbonate veinlets, parallel to foliation (at ~90-85° to core axis), lower contact vague	525.5'-530.4'	0.001 330

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
523.1'-581.2'	ARGILLITE AND GREY WACKE (CONT)		
	From 530.4' to 531.1': about 20% pyrite rich bands from $\frac{1}{10}$ " near 530.4' to $\frac{1}{2}$ " wide near 531.1', parallel to foliation at $\sim 90^\circ$ to core axis, within very fine grained, dark grey argillite; moderately soft.	530.4'-531.1'	0.001 331
	From 531.1' to 539.6' intrastrophic sequence of very fine-grained, dark grey, moderately hard argillites with rare medium-grained greywacke beds; small fragments of quartz, feldspar and rarely rock fragments can be seen in argillite. Possible graded bedding in greywacke bed ~ 2 " wide at 539.6' indicates tops uphole.	531.1'-536'	0.001 332
	From 545.5' to lower contact local zones with up to 20% thin milky white carbonate veinlets parallel to foliation at $\sim 90^\circ$ to core axis. Small amount of graphite along foliation planes near 562'.		
	From 578.5' to lower contact, unit becomes very dark grey to black & possibly contains graphite locally.		
	Lower contact sharp but ground; difference in grain size, texture and amount of carbonate \pm quartz veining is also evident.		
581.2'-604.6'	TALC-CHLORITE-CARBONATE-QUARTZ SCHIST.		
	Dark grey-black, soft, with $\sim 20\%$ milky white carbonate \pm quartz veinlets parallel to foliation at ~ 80 to 85° to core axis, medium-grained.		
	Unit become dark green, possibly indicating higher chlorite content, from 593.6' to 601.6'.		
	Graphitic slips (rare) near 602'.		
	Lower contact appears to be gradational over about 6 inches; ~ 1 " of pyrrhotite rich material at $\sim 604.7'$	600'-604.6'	0.001 333

Earth Resource Associates
P.O. BOX 2150, TIMMINS, ONTARIO, P4N 7X8 CANADA

PROPERTY HUNTER MINE
HOLE NUMBER U-9

DIAMOND DRILL LOG
LENGTH: 490.0 FEET
ACID TESTS = @ 50' - 76°
@ 100' - 80.5° @ 150' - 85.5°
@ 200' - 86° @ 250' - 80.5°
@ 300' - 84° @ 350' - 86°
@ 400' - 78.5° @ 450' - 88°
@ 490' - 85.5°

GRID REFERENCE
TOWNSHIP
AZIMUTH

CLAIM
DIP ANGLE -80°

DRILLING COMPANY MORRISSETTE FOREMAN Lafontaine

CORE SIZE A Q

CORE STORED AT:

LOGGED BY R. Bald

DATE Feb. 19/88

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0' - 4'	CASING		
4' - 105.3'	TALC - CHLORITE - CARBONATE - QUARTZ SCHIST (SOAPSTONE)		
	Grind 2' at 6' tag		
	Wash 3' at 16' tag		
	Wash 4' at 22' tag		
	Grind 3' at 32' tag		
	Dark grey - black, very soft, talc schist; local crumbly sections, washed away; trace MX disseminated pyrite. variable amount of carbonate ± quartz veinlets, generally parallel to foliation of unit but locally cross cutting; foliation is very variable from 0° to 90° and some folding is seen in core from ~42' onward, locally black talc veinlets cross cutting foliation of host rock, variable directions.		
	Silicified zone, grey, cherty looking from 62.0' to 62.2'	61.5'-62.5'	0.001 337
	Quartz and carbonate rich zone from 103.9' to 105.1' including quartz vein from 103.9' to 104.3', coarse-grained, milky white quartz with cream coloured carbonate patches; about 80° to core axis, no sulphides seen.	99.9-103.9 103.9-105.3	0.001 KOH2 0.001 338
	Lower contact indistinct		
105.3' - 117.7'	INTERMEDIATE DIKE ?		
	Dark grey to light grey, moderately hard foliated to massive mafic(?) to intermediate(?) dike?, locally cross cut by milky white quartz veinlets from which aureoles of silicification extend up to 1 inch, local fine- to coarse-grained pyrite along veinlets; possibly	105.3'-107' 107'-112' 112'-117.7'	0.001 339 0.001 340 0.001 341

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
105.3'-117.7'	INTERMEDIATE DIKE? "ladder" veins? (looks like continuous string of "H"s; in general, the foliation of this unit is constant; except locally (possibly folded), very deformed from ~ 110' to 112' Lower contact sharp at 70° to core axis, parallel to foliation/schistosity of rock unit (-dike is massive, silicified here)		
117.7'-120.6'	TALC-CHLORITE-CARBONATE-QUARTZ SCHIST Similar to 4'-105.3 with light grey to tan cherty looking band within 6" of contact, deformed (folded, no sulphides seen) Lower contact ~ 40° to core axis.	117.7'-120.6'	0.001 342
120.6'-162.6'	INTERMEDIATE DIKE Similar to 105.3' to 117.7' Foliation at 132' is 30° to core axis; at 134', 30° to core axis; at 148', 30° to core axis; at 153', 45° to core axis silicified zone with possible breccia from 149.8' to 152.8' with F-MX disseminated and shingery like pyrite; also with patches of dark green chlorite between the silicified fragments. Lower contact ground	120.6'-123' 123'-128' 128'-133' 133'-138' 138'-143' 143'-148' 148'-149.8' 149.8'-152.8' 152.8'-158' 158'-162.6'	0.001 343 0.001 344 0.001 345 0.001 346 0.001 347 0.001 348 0.004 349 0.001 350 0.004 351 0.001 352
162.6'-171.2'	TALC-CHLORITE-CARBONATE-QUARTZ SCHIST Similar to 4'-105.3' Core angles ~ 20° to core axis, some faulting, folding and cross cutting black talc veinlets	162.6'-168' 168'-171.2'	0.001 353 0.001 354
171.2'-190.7'	INTERMEDIATE DIKE Similar to 105.3' to 117.7' Silicified, breccia zones similar to 149.8'-152.8' from 171.4' to 175'; from 179.6' to 180'; from 185.4' to 185.7'	171.2'-175' 175'-179' 179'-184'	0.001 355 0.001 356 0.001 357

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS	
171.2'-190.7'	INTERMEDIATE DIKE (CONT)			
	Upper contact sharp at 30° to core axis parallel to schistosity of talc schist and parallel to foliation of intermediate dike.	184'-185.7'	0.001	358
	Lower contact sharp at 20° to core axis, parallel to schistosity of talc schist and parallel to foliation of intermediate dike.	185.7'-190.7'	0.001	359
	Locally dike contains ~ 20% white spots, equant (feldspar?) and some are soft (Carbonate?)			
190.7'-215.5'	TALC-CHLORITE-CARBONATE-QUARTZ SCHIST			
	Similar to 4'-105.3' only ~ 5.5' of core	190.7'-199'	0.001	360
	Schistosity very variable: from ~ 0° to ~ 80° to core axis; folding and minor faulting with cross-cutting black talc veinlets; local, rare MCX pyrite along schistosity plane.			
	At 194' tag: 2 1/2' grind marked by drillers but only about 7' of core between 184' tag and 194' tag.			
	Lower contact sharp at 35° to core axis, parallel to foliation/schistosity of both units.			
215.5'-225.5'	INTERMEDIATE PORPHYRITIC (?) DIKE			
	Similar to 171.2' to 190.7'; locally unit contains white, hard equant to elongated (parallel to foliation direction) (feldspar?) crystals less than 1/10" long; these are distinct near ~ 216'.	215.5'-217.5'	0.001	361
	Silicified breccia zones are rare, only one zone up to ~ 2" wide at 216.5' containing ~ 2% FMX disseminated by and Chalcopyrite, also some sulphides in host rock within 1/4" of silicified boundary.	217.5'-222.8'	0.001	362
	Lower contact sharp at 35° to core axis, cross cutting talc veinlets in next unit.	222.8'-225.5'	0.001	363
	Patches of FX disseminated pyrite throughout core, up to ~ 2%.			

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS	
225.5-231.1	TALC - CARBONATE - CHLORITE - QUARTZ SCHIST. light mauve Similar to 42' to 105.3' but with tan ^{locally} coloured, FX, cherty looking bands containing up to 3% FMX disseminated pyrite; bands are alternating with talc rich schist; variable core angles from 0° to ~50° to core axis, some folding + faulting seen associated with cross-cutting talc veinlets. Lower contact sharp, marked by slicken sided talc, at 40° to core axis	225.5-229' 229-231.1'	0.001 0.001	364 365
231.1'-233.2	PORPHYRY DIKE (?) OR SILICIFIED BRECCIA ZONE (?) Tan to dark grey, massive to deformed schistose unit, containing black, hard, possibly tourmaline streaks and patches of FX disseminated pyrite; unit contains up to ~40% milky white - light grey to brownish quartz veinlets, randomly oriented. Lower contact ground.	231.1'-233.2'	0.001	366
233.2'-270.6	TALC - CARBONATE - CHLORITE - QUARTZ SCHIST Similar to 42' to 105.3' with pronounced talc veinlets (cross-cutting foliation/schistosity) at about 90° to core axis, from 233.2' to ~239' then from ~239' onward unit contains ~50% - 60% carbonate (ankerite?) and/or quartz veinlets and pods; unit is very deformed with variable schistosity, folding and faulting seen; local cross cutting talc veinlets at ~90° to core axis; local black spots, soft, poss. talc crystals; locally unit takes on a slight khaki tinge. From 258' to 259.2'; unit has a tan tinge and contains about 80% ankerite (?) and quartz veinlets and fragments? very chaotic, randomly oriented veinlets, only local schistose section; quartz veinlets are light grey - translucent to brownish-tan; no sulphides seen Local tan coloured, FX, cherty-looking sections with local threadlike black stringers parallel to foliation	233.2'-239' 239'-244' 244'-249' 249'-254' 254'-258' 258'-259.6'	0.001 0.001 0.001 0.001 0.001 0.001	367 368 369 370 371 372
		259.6'-260.8'	0.001	373
		260.8'-264'	0.001	374

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS	
233.2'-270.6'	TALC-CARBONATE-CHLORITE-QUARTZ SCHIST (possible tourmaline?) from 259.6' to 259.9' and from 260.3' to 260.8'; foliation at about 80° to core axis in both sections, parallel to sharp contacts and parallel to schistosity of host rock. Unit becomes very ankerite veinlets from ~267.5' to 269.8' but still has recognizable cross cutting talc veinlets (unit is tan coloured with black veinlets with a brownish-light grey quartz vein from 269.2' to 269.4' contacts about 80° to core axis; no sulphides) seen. Lower contact bleached within 1/2" of contact; sharp at 45° to core axis, parallel to cross-cutting talc veinlets in this unit and parallel to foliation of next unit.	264'-269.2' 269.2'-270.6'	0.003 0.005	375 376
270.6'-278.6'	QUARTZ FELDSPAR PORPHYRY DIKE (?) Foliated to massive, F to MX, dark grey to tan coloured possible QF Porphyry dike; hard, silicified, variable in texture + structure, becoming massive, with recognizable feldspar and quartz phenocrysts towards lower contact; local chlorite(?) spots stretched parallel to foliation; light grey sugary quartz vein (~1" true width) from 271.1' to 271.2' with black ribbons along margins (possible threadlike tourmaline veinlets?) containing trace Fx pyrite; local pyrite blebs and wisps along foliation planes. Lower contact sharp at 70° to core axis, somewhat irregular, with trace Fx pyrite near contact.	270.6'-274' 274'-278.6'	0.001 0.001	377 378
278.6'-287.4'	TALC-CARBONATE-CHLORITE-QUARTZ SCHIST Similar to 42' to 105.3'; schistosity is variable from 0° to 90° to core axis, with cross cutting talc veinlets also ~10% milky white to translucent quartz veins <1/4" wide, randomly oriented. Lower contact masked by quartz veining	278.6'-284' 284'-287.4'	0.001 0.001	379 380

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
287.4-	ANKERITE-TALC-QUARTZ SCHIST (ALTERATION ZONE?)	287.4'-288.7'	0.001 381
From 287.4' ~ 289.7'	light grey, chaotic unit with folded light grey-milky ankerite(?) bands (< 1/4" wide) alternating with medium grey talcose material; also containing light grey to translucent to milky white quartz veinlets, usually < 1/2" wide, cross-cutting and parallel to schistosity; about 50% ankerite bands, 30% talcose material and ~20% quartz veinlets; local, rare cross cutting talc veinlets, generally about 90° to core axis;	288.7'-290.5'	0.039 382
		290.5'-295'	0.015 383
		295'-300'	0.001 384
		300'-305'	0.001 385
	From 287.4' to 287.8': brownish to light grey-translucent quartz vein, about 5" true width; contacts about 80° to core axis; some grinding; about 10% dark grey to brownish host rock inclusions; no sulphides seen; from 287.8' to 288.7' unit contains about 35%-45% quartz veinlets similar to 287.4' to 287.8' but only up to 1/2" wide.		
	From 289.7' to ~290.5': translucent to milky white quartz vein, containing about 10% host rock inclusions (locally with possible tourmaline(?) crystals?); irregular contacts		
	From 301' to ~355': similar to 42' to 105.3' but locally, unit has tan-khaki tinge (bleached?); unit has same texture and structure as talc schist with local cross cutting talc veinlets.	305'-310'	0.001 386
		310'-315'	0.001 387
		315'-320'	0.001 388
		320'-324.4'	0.001 389
	From ~324.4' to ~328.4': chlorite-carbonate-quartz schist: dark green FMX chlorite-rich bands alternating with carbonate ± quartz bands, locally fine kink folding; trace FCX pyrite; from 324.5' to 324.9' finely banded, delicate cherty-looking unit consisting of alternating bands of (1) FCX cherty looking tan-grey material (2) black, hard threadlike bands (tourmaline? or dark quartz?) (3) dark green FX-aphanitic soft chlorite bands (4) FX pyrite as threadlike stringers	324.4'-328.4'	0.026 390
		328.4'-331'	0.001 391
		331'-336'	0.008 392
		336'-341'	0.005 393
		341'-346'	0.001 394
		346'-351'	0.001 395
		351'-356'	0.001 396
		356'-360.4'	0.001 397
	some kink folding and micro faulting in this unit; core angles in this chloritic/cherty unit are ~70-80° to core axis		

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
287.4'-	ANKERITE - TALC - QUARTZ SCHIST (ALT. ZONE?) (CONT)		
	Apple green, spots in quartz veinlet at 336.9'		
	From ~ 355' onwards: "alteration zone" with foliation/schistosity at ~ 90° to core axis; becomes very schistose, more sericitic (khaki colour increases)		
	Light grey, cherty-looking zone from 351.2' to 351.3'		
	From 360.4' to 364.3': chlorite rich schist similar to 324.4' to 328.4' with possible silicified, brecciated zone from 360.7' to 361.3'	360.4'-364.3'	0.002 398
	Local fuchsite, colour along foliation planes (e.g. at 365.5', at ~ 370', etc.)	364.3'-369'	0.007 399
	From ~ 368' onwards, local sections containing FX to rare CX cubes of pyrite, generally as fine dusting and as threadlike bands parallel to schistosity.	369'-371'	0.001 400
	Locally, faint traces of cross-cutting talc veinlets (Kirk folded, e.g. at ~ 378'); also local small scale folding; local dark grey, very soft talc bands (< 1/10" wide) parallel to banding.	371'-376'	0.001 401
	Rock has a brownish, possibly oxidized? tinge from ~ 364' to 391'	376'-381'	0.012 402
	Unit contains increasing amount of quartz as veinlets and pods parallel to foliation from ~ 390' onwards.	381'-386'	0.001 403
	Quartz vein zone from 407.5' to 408.9' with a possible single quartz vein (~ 10% host rock inclusions in brownish to light greenish, sugary textured quartz) from 407.7' to 408.6'; trace FX pyrite	386'-391'	0.001 404
	From 409.2' to 410.8': quartz vein zone similar to 407.5' to 408.9' but individual quartz veins up to ~ 1/4" wide only; some host rock inclusions are hard dark brown (possibly tourmaline-rich?); randomly oriented quartz veins.	391'-396'	0.001 405
	Quartz vein zone, light grey	396'-400'	0.001 406
		400'-403'	0.001 407
		403'-406'	0.001 408
		406'-407.5'	0.001 409
		407.5'-408.9'	0.001 410
		408.9'-410.8'	0.001 411
		410.8'-413'	0.001 412
		413'-416.7'	0.001 413
		416.7'-418'	0.001 414
		418'-421'	0.001 415
		421'-424'	0.001 416
		424'-427'	0.003 417
		427'-428'	0.007 418
		428'-431.2'	0.005 419

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
287.4'-490'	ALTERATION ZONE (CON'T)		
	to light green), MX, sugary textured quartz; up to 3" true width quartz veinlets, parallel to schistosity, at ~90° to core axis	431.2'-432'	0.001 419
	From 427' to 427.8'; FX, dark grey to buff-light greenish zone with pyrite as MX disseminations in last 1" associated with quartz veinlet.	432'-434'	0.001 420
	From 431.2' to 431.6'; about 75% light grey-translucent quartz as irregular veinlets	434'-438'	0.001 421
	Locally, rare tan coloured FX - aphanitic cherty-looking bands less than 1" wide	438'-443'	0.004 422
	From 437.1' to 437.2'; 1" wide (true width; parallel to schistosity at 90° to core axis) with thin cord-like ribbon of black, hard, possible tourmaline, parallel to vein margins; elsewhere, rare possible tourmaline associated with quartz veinlets.	443'-448'	0.001 423
	Rare kink fold at ~455' (generally schistosity is very uniform in direction ~90° to core axis).	448'-456.3'	0.001 424
	Possible FX black tourmaline(?) as very small crystals generally along schistosity, planar.	456.3'-458'	0.001 425
	About 5% FMX pyrite disseminated to stringer-like along schistosity, planar, from 485.6' to 485.8'	458'-463'	0.001 426
	From 487.4' to EOH (490') increase in quartz occurring as veins and veinlets generally with bit of tan coloured sericitic material (host rock?) between, ^{locally} up to 75% quartz but average ~40-50%; no sulphides seen.	463'-468'	0.004 427
		468'-473'	0.001 428
		473'-478'	0.004 429
		478'-483'	0.004 430
		483'-488'	0.004 431
		488'-490'	0.001 432
490.0'	END OF HOLE		

Earth Resource Associates
 P.O. BOX 2150, TIMMINS, ONTARIO, P4N 7X8 CANADA

PROPERTY HUNTER MINE
 HOLE NUMBER U-10

DIAMOND DRILL LOG

LENGTH = 602 feet.

ACID TESTS = @ 50' - 63°
 @ 100' - 59.5° @ 150' - 66.5°
 @ 200' - 63.5° @ 250' - 63°
 @ 300' - 63° @ 350' - 64.5°
 @ 400' - 64° @ 450' - 67.5° @ 500' - 64.5° @ 550' - 67.5° @ 600' - 63.5°

GRID REFERENCE

TOWNSHIP

CLAIM

AZIMUTH

DIP ANGLE - 65°

DRILLING COMPANY MORRISSETTE

FOREMAN R. Lafontaine
 DIP TESTS: see above

CORE SIZE AQ

CORE STORED AT:

LOGGED BY R. Bald

DATE February 2 / 88

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0' - 4'	CASING		
4' - 338.7'	TALC SCHIST (SOAPSTONE)		
	Black with white streaks/veinlets; very soft, can scratch core with a finger nail. white streaks are carbonate ± silvery-greenish talc (very soft) with possible minor quartz. schistose but very deformed folded local micro faulting with black talc along faults; trace, local CX pyrite cubes disseminated throughout host rock or within carbonate-quartz veinlets; local light grey-tan sugary, cherty-looking zones or bands; local cross-cutting talc (black) veinlets, generally at about 90° to 70° to core axis.		
	From ~ 136.1' to 147.0': FX black, hard, tourmaline crystals and crystal aggregates, needle-like to clots locally associated with milky white carbonate veinlets, parallel to schistosity/foliation of unit, at about 0° to 15° to core axis.	134'-136.1'	0.001 433
		136.1'-139'	0.001 434
		139'-144'	0.001 435
		144'-147'	0.001 436
		147'-149'	0.001 437
	From 218.6' to ~ 240.5': chlorite-rich zone, not as soft as talc schist, dark greenish grey, with only about 10% quartz ± carbonate veinlets; including a zone containing about 5 to 10% dark green hard platy amphibole crystals from 219.3' to 227.7', crystals are randomly oriented and occur in patches or zones within this interval; this chloritic unit also contains local trace M to CX pyrite as disseminated crystals; locally, unit is foliated but random direction (from 0° to about 80° to core axis); upper & lower contact irregular.		

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
4'-338.7'	TALC SCHIST (SOAPSTONE) (CON'T)	~3.5% core	
	From 240.5' to 272.5': talc schist ^{locally} contains about 25% quartz veinlets, randomly oriented, up to ~1/4" wide; also unit in general is very pale, grey in colour, due to quartz veinlets in part but also due to silvery talc throughout host rock; with cross-cutting dark, green-black talc veinlets at various angles to core axis	240.5-245'	0.001 438
		245'-250'	0.001 439
		250'-255'	0.001 440
		255'-260'	0.001 441
		260'-265'	0.001 442
	3" grind tag at 250' tag (probably more like 1 foot of missing/ground core)	265'-270'	0.001 443
	From 271.5' to 271.9': milky white cx quartz vein irregular and/or ground contacts; ~10% grey host rock inclusions; no sulphides seen.	270'-272.5'	0.001 444
	From ~273' onward, unit contains local cherty-looking grey or tan bands, generally less than 1" wide, containing FMX disseminated pyrite.	2' Grind,	0.
		272.5'-280'	0.001 445
		280'-285'	0.001 446
	From ~273' to ~294', black-dark green cross-cutting talc veinlets are wider than usual (up to about 1/10" wide → possibly could cause some ground problems?); 2 Foot grind at 280' tag		
	Pyrite bearing quartz + carbonate veinlet ~1" wide at 288.4' at about 80°-75° to core axis.	285'-290'	0.001 447
	Cherty zone similar to units described above from ~295.5' to 296.1' containing about 3-5% FMX disseminated pyrite; locally the unit looks like it might contain feldspar phenocrysts but very small, possibly a porphyry??	290'-295.5'	0.001 448
		295.5'-296.1'	0.001 449
	Unit is becoming harder, and contains decreasing amounts of talc from ~295' onward, and also schistosity ^{direction is ~80° to core axis}	296.1'-300.7'	0.001 450
		300.7'-301.8'	0.001 452
	Bleached zone from 300.7' to 301.1' containing locally about 2% FMX disseminated pyrite; unit is light grey here.	301.8'-305.3'	0.001 453
	Zone containing ~70% cherty material from 301.5' to 301.8'		
	Dark green, very soft, unit from 305.3' to ~305.8' containing about 10% quartz ± carbonate veinlets	305.8'-310'	0.001 454
		310'-315'	0.001 455

EARTH RESOURCE ASSOCIATES: DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: U-10

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
4'-338.7'	TALC SCHIST (SOAPSTONE) (CON'T)	315'-320'	0.004 456
	From 331' to 332.5': about 80-70% grey-brownish to milky white, locally slightly waxy. Quartz veinlets? parallel to schistosity. Also MCX Pyrite within this zone; quartz bands locally appear to contain small quartz crystals and some of the quartz bands may be porphyry dikes? a similar zone from 333.3' to 333.7' but quartz is white and sugary fine-grained.	320'-325'	0.001 457
		325'-329'	0.001 458
		329'-331'	0.002 459
		331'-332.5'	0.001 460
		332.5'-333.8'	0.001 461
	From 333.8' to 334.8': irregular, coarse-grained translucent to milky white quartz vein with about 20% dark grey talcose host rock (including no sulphides) seen. Lower contact sharp at ~40° to core axis, cross cutting foliation/schistosity of host rock.	333.8'-334.8'	0.001 462
		334.8'-338.7'	0.001 463
	Lower contact sharp but irregular at ~50° to core axis, ~parallel to talc veinlets in talc schist and to foliation of next unit.		
338.7'-353'	CHLORITE SCHIST	338.7'-343'	0.001 464
	Very FX, dark green moderately soft (not scratched by a finger nail but scratched by a knife) chlorite rich material with parallel carbonate ± quartz veinlets (from threadlike to ~1" wide); no cross cutting talc veinlets seen; within first 4 inches of unit it contains about 5% pyrite as FCX disseminated cubes and stringers parallel to foliation; throughout the remainder of this unit are patches of FCX disseminated pyrite less than 1%; unit is locally bleached to pale grey-tan colour.	343'-348'	0.001 465
		348'-353.2'	0.001 466
	Foliation is about 80° to 90° to core axis. Lower contact very gradational and may be arbitrarily placed up to ~20' or 30' lower down in hole; rock type seems to be the same in next unit but alteration is increased.		

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS	
353-496.2	ALTERATION ZONE (CHLORITE AND/OR SERICITE SCHIST)	353.2-358.1	0.001	467
	Very similar rock type (chlorite schist) to previous unit except increasing amount of quartz ± carbonate veining.	358.1-360	0.001	468
	From 358.1' to 360': silicified, brecciated zone with tan coloured to light grey coloured angular fragments within a quartz rich matrix; zone also contains local bands and patches of very hard, dark brown aphanitic material (unknown? no sulphides seen); a similar zone occurs from 367' to 370.9' with a possible grey FX porphyry from about 368' to 368.9' with brecciated margins and cross cut by quartz veins, local possible fuchsite spots occur within the breccia zone. (or chlorite?), this breccia zone contains trace FX pyrite.	360-363	0.001	469
		363-367	0.001	470
		367-368	0.001	471
		368-368.9	0.001	472
		368.9-370.9	0.001	473
		370.9-375.8	0.002	474
		375.8-379	0.001	475
		379-382	0.002	476
		382-387	0.001	477
		387-392	0.001	478
		392-396.4	0.003	479
	From 375.8' onwards: unit locally takes on a light green tinge (possibly fuchsite?), is sericite rich (rather than chlorite rich) and contains local zones of quartz ± carbonate veinlets, parallel to foliation/schistosity; locally core breaks up into disks.			
	Foliation from beginning of unit onwards is about 80° to 90° to core axis with only a few local zones of deformation/folding towards beginning of unit; foliation/schistosity is very irregular from ~374' onwards.			
	From ~396.4' to 397.1': Milky white to translucent quartz vein with very irregular contacts similar to 333.8' to 334.8' except with black, hard possibly tourmaline rich host rock inclusions.	396.4-397.1	0.001	480
		397.1-398	0.001	481
		398-403	0.001	482
		403-408	0.001	483
	Local quartz-rich zones which have an inhomogeneous massive appearance, somewhat similar to a breccia but "fragments" are pods of quartz (not angular); from 413.2' to 415.5' and 420.6' to ~435.6'	408-413.2	0.001	484
		413.2-415.5	0.001	485
		415.5-420.6	0.001	486
		420.6-425.6	0.001	487
		425.6-430.6	0.001	488
		430.6-435.6	0.002	489

EARTH RESOURCE ASSOCIATES: DIAMOND DRILL LOG. PROPERTY: HUNTER MINEHOLE NUMBER: 4-10

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
353'-496.2'	ALTERATION ZONE (CON'T)	435.6'-440.6'	0.001 490
	Unit has light green to tan colour, to locally medium grey colour up to 467.9' where it takes on a darker green colour, fairly abruptly (chlorite rich); dark green colour alternates with light green-tan colour to 479.2' where again unit rather abruptly becomes chloritic (to 481.5') and dark green, but all the time being similar in texture & structure to sericite schist, except from ~483.2' - 483.3', 484.4' and 486.5' where unit contains about 3% FMX disseminated magnetite crystals; near 484' and 486', very dark green chloritic (not scratched by fingernail) cross cutting veinlets are seen at about 75° to core axis, foliation at 90° to core axis.	440.6'-444'	0.001 491
		444'-448'	0.002 492
		448'-452'	0.001 493
		452'-456'	0.001 494
		456'-460'	0.001 495
		460'-464'	0.001 496
		464'-467.9'	0.001 497
		467.9'-472'	0.001 498
		472'-476'	0.001 499
		476'-479.2'	0.001 500
		479.2'-483'	0.001 501
		483'-487.5'	0.001 502
		487.5'-493'	0.001 503
		493'-496.2'	0.006 504
	Lower contact gradational over about 2" and signalled by softer core (scratched by fingernail), distinct cross cutting talc veinlets, and in general, core takes on a somewhat mottled, ^{grey} medium-grained appearance with variable core angles instead of wispy, very schistose (at ~90° to core axis) tan to dark grey material.		
496.2'-511'	TALC SCHIST	496.2'-499'	0.001 505
	Grey (light to dark), foliated to schistose talc schist, soft (scratched by fingernail); containing about 20% quartz & carbonate veinlets, generally parallel to foliation planes but locally cross-cutting; local zones with up to 50% quartz (translucent to light grey, sugary) & carbonate veinlets, up to ~2" wide (500.5' from 499' to 501.4') including a ~1" wide possible white porphyry dike at 501.4', and from 505' to 506.5' with a ~3" wide quartz vein at ~506.1', no sulphides seen in these quartz zones, some minor folding seen.	499'-501.4'	0.001 506
		501.4'-505'	0.001 507
		505'-506.5'	0.001 508
		506.5'-511'	0.001 509
	Lower contact is sharp at 70° to core axis, parallel to schistosity of talc schist unit.		

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
511'-534'	QUARTZ FELDSPAR PORPHYRY DIKE		
	Light grey, cherty looking, aphanitic matrix with milky white plagioclase crystals up to ~ 1/10" diameter, stubby tabular to equant euhedral ^{plagioclase} crystals, randomly oriented disseminated throughout unit; rare clear quartz phenocrysts up to ~ 1/4" diameter, equant; about 10-20% plagioclase phenocrysts in unit	511'-513.5	510 ✓
		513.5'-518'	0.001 511
		518'-521'	0.001 512
		521'-524.5	0.007 513
		524.5'-527.5	0.001 514
		527.5'-531'	0.001 515
	Unit is cut by a network of randomly oriented, thin veinlets consisting of 1) pyrite, 2) pyrrothite (as crystal aggregates or thin sheets covering fracture surface), 3) chalcopyrite crystal aggregates, 4) a hard, black, aphanitic material (possibly tourmaline, ?); (overall sulphide amount estimated to be about 2% along veinlets and as discrete, disseminated crystals), and 5) soft khaki-green, sericite? coating fracture surfaces	531'-534'	0.001 516
	Lower contact sharp at 70° to core axis somewhat irregular; thin carbonate veinlets in porphyry, end abruptly at contact; contact is parallel to foliation/schistosity of next unit.		
534'-539.2	TALC SCHIST		
	Similar to 496.2' to 511.0'; Foliation generally ~85-90° to core axis	534'-539.2	0.001 517
	Lower contact sharp but slightly ground (because of difference in hardness between two units), at ~ 90° to core axis, parallel to schistosity/foliation of two units.		
539.2'-542.5	INTERMEDIATE DIKE ?		
	Grey to tan, hard, fine-grained unit, generally massive to slightly foliated near margins; commonly bleached/silicified and cut by randomly oriented translucent to glassy quartz veinlets + patches. locally tan coloured zones look cherty + could possibly be porphyry?; very hard, not scratched by knife.	539.2'-542.5	0.001 518

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
539.2'-542.5'	<p>INTERMEDIATE DIKE (CONT)</p> <p>No sulphides seen.</p> <p>Lower contact sharp at 80° to core axis, parallel to foliation / schistosity of both units.</p>		
542.5'-543.1'	<p>TALC SCHIST</p> <p>Similar to 496.2' - 511.0'</p> <p>Lower contact masked by quartz ± carbonate veinlets.</p>	542.5'-544.5'	0.001 519
543.1'-560.8'	<p>METASEDIMENTS</p> <p>Grey-Khaki, MFX grey wacke and FX-aphanitic, dark grey-black argillite beds; foliation, and bedding are parallel at ~90° to core axis</p> <p>From upper contact to 544.5' unit contains ~40% carbonate veinlets, parallel to foliation. These carbonate veinlets abruptly decrease at 544.5'; about 5% carbonate veinlets from then onwards.</p> <p>Locally unit is bleached to pale grey colour</p> <p>Lower contact interfingered for about 1" but appears to be parallel to schistosity / foliation of both units at ~85° to core axis.</p>		
560.8'-596'	<p>TALC SCHIST</p> <p>Very soft alternating bands of silvery white and dark grey-black talc; core breaks up into disks with rounded edges</p> <p>FX to MX, easily scratched by fingernail; similar to 496.2' to 511.0' but more talcose</p> <p>Schistosity is about 80° to 90° to core axis; it is deformed from ~588' to ~595'</p> <p>Cross cutting black talc veinlets are seen from 595' to lower contact, at ~85° to core axis</p> <p>Lower contact possibly gradational or interfingered for ~2"</p>		

Earth Resource Associates
P.O. BOX 2150, TIMMINS, ONTARIO, P4N 7X8 CANADA

PROPERTY HUNTER MINE
HOLE NUMBER 4-11

DIAMOND DRILL LOG @ 100' - 55.5° @ 500' - 56.5° GRID REFERENCE
LENGTH = 632.0' @ 200' - 55.5° @ 600' - 56.5° TOWNSHIP
@ 300' - 58.5° AZIMUTH
@ 400' - 60.0°

CLAIM
DIP ANGLE - 55°

DRILLING COMPANY MORRISSETTE FOREMAN R. Lafontaine DIP TESTS:

CORE SIZE A Q CORE STORED AT: MINE SITE LOGGED BY R. Bald DATE March 11/88

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0'-4'	CASING		
4'-262.5'	TALC SCHIST (SOAPSTONE) Black to silvery grey, very soft (scratched by fingernail), foliated to schistose (direction variable, from 0° to 90° to core axis); unit mainly consists of talc (black, soapy variety and silvery-greenish, flaky variety); containing less than 5% milky white carbonate veinlets, commonly parallel to foliation / schistosity plane; unit appears to be deformed with abundant folding seen; no cross cutting black talc veinlets seen until ~ 55' (rare); trace local MCX pyrite crystals up to 1/4" diameter, associated with carbonate veinlets. 1 1/2 foot grind at 103' tag. From ~ 144' to ~ 176'; Real sections where core breaks up into disks ~ 1/2" thick (ground by drillers). 1' grind at 154' tag. 3' wash at 163' tag. 1' wash at 165' tag. 6 inch wash at 180' tag. From ~ 180', unit contains abundant black, cross-cutting talc veinlets. From 257.4' to 257.7': quartz vein zone containing about 75% grey to milky white quartz with wispy talc slips between quartz veinlets; no sulphides seen. Lower contact sharp but masked by quartz veining in talc schist from 261.9' to lower contact (similar to 257.4' - 257.7').		
		257-258	0.001 520

FOOTAGE	DESCRIPTION OF CORE OR MAFIC DIKE?	SAMPLE NUMBER	ASSAYS
262.5'-286.9'	<p>CHLORITE SCHIST (MAFIC METAVOLCANIC FLOW AND/OR LAPILLI TUFF?)</p> <p>Dark green to dark greenish grey with patches and veinlets of white to light grey; moderately soft (scratched by knife but <u>not</u> by fingernail); variable texture from 1) fine-grained massive with about 10% light grey carbonate \pm quartz veinlets and pods to 2) schistose alternating mafic and felsic bands (finely laminated locally), locally folded; locally (especially near 265') unit contains about 10% black, Cx hard amphibole crystals, disseminated throughout and randomly oriented; also locally, (especially near 269') unit has fragmental appearance with delicate, wispy angular dark green chloritic "fragments" in a light grey Fx "matrix", possible mafic lapilli tuff? also some lighter grey-white "fragments", or possible breccia zone?; locally unit is possibly silicified</p> <p>From 270.6' to ~272': talc-sand in core box, no core; possible seam?</p> <p>Lower contact sharp, somewhat irregular but about 80°-90° to core axis; "chlorite schist" bleached to light grey colour within 1 inch of contact.</p>		
286.9'-292'	<p>TALC SCHIST (SOAPSTONE)</p> <p>Similar to 180' to 262.5'; about 50% light grey coloured "fragments" \rightarrow talc \pm carbonate \pm quartz veinlets and patches</p> <p>Lower contact sharp at 30° to core axis, parallel to foliation of next unit but appears to cross cut slight foliation of talc schist</p>		
292'-295.4'	<p>CHLORITE SCHIST (?)</p> <p>Similar to 262.5' to 286.9' but no amphibole crystals seen; containing a ~1/2" wide band (90° to core axis) of fragmental looking material, generally with sharp contacts; tuff bed? or breccia?</p> <p>Lower contact sharp but irregular</p>		

EARTH RESOURCE ASSOCIATES: DIAMOND DRILL LOG.

PROPERTY: HUNTER MINE HOLE NUMBER: 4-11

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
295.4'~356'	TALC SCHIST (SOAPSTONE) Similar to 286.9' to 292'; local black, soft, cross-cutting talc veinlets.		
	⊗ Local zones of light grey, foliated, silicified cherty-looking material, generally containing up to 2% FMX pyrite as disseminated crystals; these "cherty" bands are parallel to schistosity (variable directions) and are less than 1" wide but may be wider; at 318.5', 320.2' to 320.5'; 322.3' to 322.6' at 332.5', locally take on a pink-tan tinge	297.8'-298.3'	0.002 521
	From 320.5' to 322'; possible grey and milky white quartz vein? or silicified mafic dike? contains tourmaline and green chlorite as in filling along fractures in quartz and about 3-5% FMX disseminated pyrite in patches; also local chlorite-rich schist zones, narrow (< 1/2" wide) within unit and from lower contact to 322.3' (start of "cherty" zone)	318'-320.5'	0.001 522
	6" grind at 350' tag	320.5'-322'	0.001 523
	⊗ From 297.8' to 298.3': tan-cream coloured foliated quartz-feldspar porphyry dike, contacts sharp to brecciated at about 56-70° to core axis, locally irregular trace FX pyrite as disseminated crystals; contacts roughly parallel to foliation of talc schist	322'-322.9'	0.001 524
	From 349.1' to 350.8' (including 6" grind?) and 351' to 355.3'	6" grind 349.1'-350.8'	0.001 525
	zones containing ~50% to 70% carbonate ± quartz veinlets and pods, randomly oriented (unit has chaotic appearance), with local breccia or porphyry zones (dark brown with white to tan fragments or phenocrysts?); no sulphides seen.	350.8'-355.3'	0.001 526
	Lower contact masked by quartz veining; contact could be uphole ~6 inches or so.	355.3'-360'	0.001 527

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
356'-358.9'	CHLORITE SCHIST (MAFIC DIKE OR METAVOLCANIC FLOW?) Similar to 292' to 295.4' but no fragmental looking material. Local CX pyrite crystals, less than 1% Local carbonate ± quartz knots or eyes developed along threadlike carbonate ± quartz veinlets (parallel to foliation of unit at 70° to core axis, locally variable) Lower contact gradational over ~ 1/4"		
358.9'-359.6'	TALC SCHIST Similar to 180' to 262.5' but harder (only slightly scratched by finger nail) and has a khaki coloured tinge Lower contact similar to upper contact, gradational.		
359.6'-385.2'	CHLORITE SCHIST Similar to ~356' to 358.9' Local silicified breccia- ^{quartz vein} zones similar to 320.5' to 322' from 367.8' to 369.6' containing trace amounts of FX pyrrhotite along host rock (?) ribbon-like inclusions; zone is dark grey to white to medium grey-tan; very sharp contacts at ~80° to 70° to core axis; also from 382.4' to ~385.2' (some in situ brecciated material). Also a breccia and quartz-carbonate veining zone from 373.1' to 375.8' and 375.8' to 376.7' with local zones of tan to white, angular to oval "fragments" (some could also be feldspar phenocrysts, possibly some porphyry dike material included in zone). These zones are chaotic-looking, variable, cut by quartz ± carbonate veinlets. Local pale green colour (fuchsite?) from ~380' to ~382' Lower contact arbitrary, very gradational.	360'-365' 0.001 528 365'-367.8' 0.001 529 367.8'-369.6' 0.001 530 369.6'-373.1' 0.001 531 373.1'-375.3' 0.001 532 375.3'-378.8' 0.001 533 378.8'-382.4' 0.001 534 382.4'-385.2' 0.001 535 385.2'-390' 0.001 536 390'-395' 0.001 537 395'-400' 0.001 538 400'-405' 0.001 539 405'-410' 0.001 540	

EARTH RESOURCE ASSOCIATES: DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: U-11

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
385.2'-481.2'	ALTERATION ZONE		
	Dark grey to light grey to tan-khaki chlorite ± sericite ± quartz ± carbonate schist; generally schistosity is about 70° to 90° to core axis, and very little folding seen (only small scale kink folds)		
	Local pale green zones consisting of possible apple green fuchsite in sericite schist.		
	About 50% to 80% quartz ± carbonate veinlets in the unit; as threadlike parallel veinlets (along schistosity planes) or cross-cutting wider veinlets (up to ~1 inch)	410'-415'	0.001 541
	Local patches of fine dusting of oyrite	415'-420'	0.001 542
	Local cross cutting, black, soft Hall(?) veinlets making drag folds in foliation	420'-425'	0.001 543
	Brecciated silicified zone from 430.6' to 431.4' similar to 373.1' to 375.3, etc.; no sulphides seen.	425'-430'	0.001 544
	Tan-light green khaki colour from about 448' to 471'	430'-431.4'	0.001 545
	Local breccia zones with tan-yellow angular looking "fragments" in a quartz matrix (e.g. ~449.5')	431.4'-435'	0.001 546
	Quartz vein zones consisting of gray, sugary quartz veinlets and lenses between locally wispy sericitic host rock, parallel to schistosity (generally at about 80° to 90° to core axis); locally these quartz vein zones are cut by wide quartz veins, also usually parallel to schistosity; quartz vein zones as follows:	435'-440'	0.001 547
	from 450.0' to 451.0'; from 451.2' to 451.5' (brown, possibly porphyry or breccia zone, very hard with trace Cr pyrite crystals); from 451.5' to 451.8', a quartz vein with ~5% wispy host rock inclusions and some apple green areas possible fuchsite?; 452.1' to 452.7'; 453' to 453.9', including a quartz vein to 453.2' and possible breccia near 453.4'; 453.5' to 455.8', quartz vein similar to 451.5' to 451.8';	440'-445'	0.001 548
	Local dark grey to dark greenish grey, possibly chloritic sections: 458' to 458.8'; 459.4' to 460.2'	445'-450'	0.001 549
	From ~471', unit becomes progressively darker	450'-451'	0.001 550
		451'-451.8'	0.001 551
		451.8'-452.7'	0.002 552
		452.7'-453.9'	0.001 553
		453.9'-455.8'	0.001 554
		455.8'-458'	0.001 555
		458'-461'	0.001 556
		461'-466'	0.001 557
		466'-471'	0.001 558
		471'-476'	0.001 559
		476'-479.9'	0.003 560

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
385.2-481.2	ALTERATION ZONE (CONT) with dark grey sections from 472.4' to 472.6'.		
	Quartz vein zone from 479.9' to 480.6' with milky white to translucent quartz vein from 480.4' to 480.6'. trace Mn pyrite in host rock. Kink microfolds near 478'.	479.9-481'	0.001 561
	Lower contact gradational and difficult to see because of quartz veining but indicated mainly by a change in colour of the host rock schist. (texture & structure of ^{of these units} are very similar).		
481.2-496.1	MAFIC METAVOLCANIC FLOW(?) (CHLORITE SCHIST)		
	Dark grey to dark greenish grey, schistose to foliated (at ~80° to 90° to core axis), chloritic schist with local kink folds progressing to cross-cutting chlorite filled veinlets (similar to crosscutting talc veinlets in UM rocks) at about 75-80° to core axis.	481-486'	0.001 562
	From about 489.5' onward are zones containing FX disseminated black crystals of magnetite.	486-491'	0.001 563
	Lower contact appears to be sharp, mainly recognized by a colour change. Foliation/contact at 90° to core axis.	491-496.1'	0.001 564
496.1-510.8	ALTERATION ZONE (SERICITE-QUARTZ-CARBONATE-CHLORITE SCHIST)		
	Similar to 385.2'-481.2'	496.1-501'	0.001 565
	Local zones containing FX disseminated pyrite (locally along stringers parallel to foliation planes) and local possible tourmaline as FX disseminated black crystals. (rare).	501-506'	0.001 566
	Local breccia zones in sericite schist: e.g. from 509.7' to 510.1' within chlorite schist, breccia zone is deformed + faulted but some fragments look like glass.	506-510.8'	0.002 567

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
496.1-510.8	ALTERATION ZONE (CONT) shards, therefore it may be a hyaloclastite? Lower contact sharp, parallel to schistosity of alteration zone at ~ 85° to core axis		
510.8'-511.7'	QUARTZ-FELDSPAR PORPHYRY-DIKE? Brown-khaki, very hard, siliceous MX to very FX possible. QFP with quartz and possible stretched recrystallized milky white feldspar crystals; locally contains <1% blbbs of chalcopyrite & pyrite disseminated throughout and local pyrite associated with randomly orientated milky white to translucent quartz veinlets up to 1/2" wide but generally threadlike; massive to foliated ~90° to core axis (stretching of phenocrysts) Lower contact sharp at ~ 80° to 85° to core axis, parallel to foliation/schistosity of next unit	510.8'-511.7'	0.001 568
511.7'-537.7'	TALC SCHIST Light grey with khaki tinge progressively becoming dark grey, schistose with quartz ± carbonate veinlets and lenses parallel to schistosity plane; schistosity generally about 80° to core axis but local faulting and folding; unit has cross cutting talc-sericite? veinlets locally (e.g. at upper contact; at 526', but rare). Unit has chaotic appearance due to variable amount of quartz ± carbonate veining which is most intense in these intervals: from 516.5' to 518.2', from 519.2' to 521.3' and from 530.4' to 531.9', with these quartz-carbonate zones containing about 50% veining. From ~ 526.5', unit is dark grey with local black, talc-rich lenses or bands parallel to the schistosity; unit becomes softer down hole (barely scratched by fingernail) Lower contact irregular but roughly at 50° to core axis (schistosity of talc schist bends to 50° from ~85° right at contact)	511.7'-516.2' CORE SAMPLE → 516.5'-518.2' 518.2'-521.3' 521.3'-526.5' 526.5'-530.4' 530.4'-531.9' 531.9'-537.7'	0.001 569 0.001 570 0.001 571 0.001 572 0.001 573 0.001 574 0.001 575

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS	
537.7'-540.0'	<p>QUARTZ FELDSPAR PORPHYRY DIKE</p> <p>Pale pink siliceous material consisting of about 10% milky white, small (< 1/10" diameter) tabular to equant plagioclase crystals, randomly oriented in a cherty-looking pinkish matrix; also rare quartz phenocrysts < 1/10" diameter; the porphyry is cut by randomly oriented, threadlike, black veinlets possibly containing black hard tourmaline (amorphous, no needle crystals seen); locally, pyrite occurs as a thin coating on the tourmaline veinlets (or fractures?); about 1% black tourmaline veinlets.</p>	537.7-540'	0.001	576
	<p>Lower contact is irregular but roughly 90° to core axis.</p>			
540.0'-543.7'	<p>TALC SCHIST</p> <p>Similar to 531.9' to 537.7'; possibly slightly silicified because it is only slightly scratched by fingernail.</p> <p>Lower contact sharp at 60° to core axis, parallel to schistosity of talc schist (~90° up to ~6" from contact where it bends to contact)</p>	540'-543.7'	0.001	577
543.7'-553.3'	<p>INTERMEDIATE DIKE ?</p> <p>Grey to dark grey to locally light grey (bleached- zones), fine-grained, to mottled possible dike? of intermediate composition; about 1" of dark green-black chert-like at upper contact and about 1/4" at lower contact.</p> <p>Local silicified zones with bleached host rock along margins of narrow light grey quartz and milky white carbonate veinlets in a net pattern (randomly oriented, but seem to be connected); from ~543.8' to ~545.5'; from 549.4' to 550.7' with ~1/2" of massive chlorite similar to upper & lower contacts; from 550.9' to lower contact including at milky white Quartz vein (~2" true width) from 550.9' to 551'</p>	543.7-545.5'	0.001	578
		545.5-549.4'	0.001	579
		549.4-553.3'	0.006	580

Lower contact irregular, marked by quartz + carbonate veins...

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
553.3'-558.8'	TALC SCHIST Similar to 540.0' to 543.7' (similar hardness) Cross cutting talc veinlets at about 556', generally at about 50° to core axis cross cutting schistosity (generally at 80° to core axis) Lower contact appears sharp but is partially masked by a quartz vein	553.3'-558.8'	0.001 581
558.8'-588.3'	METASEDIMENTS Grey wacke, FX, grey with local minor black FX argillite beds; grey wacke locally contains up to 30% light grey carbonate ± quartz veinlets and lenses parallel to locally cross cutting foliation/bedding Local pyrrhotite and/or pyrite blebs disseminated or from 569.1' to 569.5' about 90% fragments? of pyrite with pyrrhotite between; rarely chalcopyrite also occurs as FX blebs. From ~ 587' to lower contact, unit contains cross cutting veinlets of chlorite? forms drag folds Lower contact is indistinct; can be located within ~ 1" by hardness of units, although metasediments probably contain some talc within ~ 2-3" of contact (scratched by fingernail)	558.8'-562' 562-564' 569.1'-569.5'	0.001 582 0.002 K143 0.002 583
588.3'-616.0'	TALC SCHIST (SOAPSTONE) Dark grey to black, very soft, soapy feeling unit consisting of alternating 1) FX, massive talc bands (black) 2) MX, grey talcose bands 3) light greenish-silvery talc bands, MX, possibly mixed with quartz ± carbonate; core breaks up into slabs in this unit. Local cross cutting black talc veinlets, schistosity is generally at about 90° to core axis. Lower contact sharp at 90° to core axis.		

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
616.0'-632.0'	<p>METASEDIMENTS</p> <p>Similar to 558.8'-588.3' except more argillite (only about 5% greywacke and very narrow beds less than 1" wide)</p> <p>From graded bedding, tops appear to be down hole. From upper contact to ~ 623' then from ~ 626' to 627' tops appear to face uphole then from ~ 627' to ~ 629' the unit is folded in several places then at ~ 629' it appears that tops are again facing downhole.</p> <p>Coarse-grained light grey quartz and milky white carbonate veins occur from 628.7' to 629.1' and 630.1' to 631.3'. Locally the vein has a yellow stain; trace MX pyrite seen along a contact.</p> <p>Minor faulting is seen near 629' (at ~ 629.5') slightly graphitic zones occur (e.g. 6" grind at 600' tag).</p>		
		628.7'-630.1'	0.001 584
		630.1'-631.3'	0.001 585
	EOH		

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
6'-4'	CASING		
4'-70'	<p>TALC SCHIST (SOAPSTONE)</p> <p>Very soft dark grey-black with white-light green bands (silvery talc ± quartz ± carbonate); schistosity is very contorted, deformed.</p> <p>Poor core recovery, bad ground; 2' grind at 7' tag; 6' wash at 13' tag; 2' grind at 65' tag;</p> <p>Local cross cutting black talc veinlets.</p> <p>Possible bluish porphyry? or breccia zone from 37' to 38.5'; MX, massive; scratched by hammer but not by fingernail; local fragments? seen; lower contact ground, upper contact masked by quartz-talc vein.</p> <p>Local light grey-fan cherty looking bands parallel to schistosity, containing ~5% (locally) FMX pyrite (from ~65' to ~67', parallel to axis of core)</p> <p>Quartz + carbonate vein at 68.5' with CX pyrite cube, vein < 1" wide.</p> <p>From 68.5' to lower contact, core is harder (scratched by hammer, not fingernail) & material may be chloritic instead of talcose.</p> <p>Lower contact indistinct</p>	65'-70'	0.001 586
70'-73.5'	<p>INTERMEDIATE DIKE ?</p> <p>6" grind at 73' tag</p> <p>Dark grey to locally light grey (bleached? silicified) FX, hard material, similar to intermediate dikes in previous 4-8 to 4-11 holes.</p> <p>Chlorite veinlets between bleached host rock patches, about 2% FX to CX disseminated pyrite.</p>	70'-73.5'	0.001 587
73.5'	EOH Hole lost, rods sticking,		

EARTH RESOURCE ASSOCIATES: DIAMOND DRILL LOG. PROPERTY: # UNTER MINEHOLE NUMBER: U-13

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0'-6'	CASING.		
6'-43.3'	TALC SCHIST (SOAPSTONE) Dark grey to black with white blobs and parallel veinlets very soft (scratched by fingernail); foliated to schistose, variable direction (from 90° to 40° to core axis) local quartz ± carbonate ± silvery light green talc veinlets and pods and also some black, Ex massive talc bands/veinlets parallel to schistosity; rare cross cutting black talc veinlets. 4' wash at 11' tag 66' wash at 20' tag Lower contact sharp but somewhat masked by quartz veining at 45° to core axis parallel to schistosity of talc schist; next unit is silicified within ~3" of contact		
43.3'-45.6'	INTERMEDIATE DIKE? Dark to medium grey, massive to moderately foliated, harder than talc schist (slightly scratched by hammer); containing local light grey to white hard silicified zones (not scratched by knife); silicified zones commonly carry up to ~2% Ex disseminated pyrite; about 15.6-26% silicified material in this dike(?) Lower contact masked by quartz veining and talc veining(?)		
45.6'-49.8'	TALC SCHIST (SOAPSTONE) Similar to 6'-43.3' with local grey to slightly mauve cherty looking bands generally parallel to schistosity (in this case, somewhat deformed). Lower contact sharp at 50° to core axis parallel to schistosity of talc schist & to foliation of next unit, which is silicified within 1/2" of contact		

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS	
49.8'-53.4'	INTERMEDIATE DIKE? Similar to 43.3'-45.6'; foliation variable from ~75° to ~40° to core axis Lower contact sharp at 45° to core axis, intermediate dike silicified within ~2" of contact.			
53.4'-56.7'	TALC SCHIST (SOAPSTONE) Similar to 6'-43.3'; with 1" wide cherty-looking band at upper contact, containing trace FX pyrite; common talc veinlets, cross cutting schistosity, but randomly oriented; unit here is deformed, folded, some minor faulting Lower contact somewhat masked by >1/4" dark green talc veinlet but next unit is sharp at ~70° to core axis, silicified within ~1" of contact.			
56.7'-64.1'	INTERMEDIATE DIKE Similar to 43.3'-45.6'; about 75% silicified with a possible grey-milky white, ~1.5" wide quartz vein? at ~61' and an intensely silicified zone containing about 3% FMX disseminated pyrite from 61.5' to 62.1' Lower contact ~40° to core axis, very dark grey within 1" of contact, parallel to schistosity of next unit.	60-61.5 61.5-62.1'	0.001 0.001	K144 588
64.1'-~104.5'	TALC SCHIST (SOAPSTONE) Similar to 6'-43.3'; some folding at ~78'; local cherty looking bands with FX pyrite, as disseminated crystals or along schistosity bedding planes. Possible grey MX, foliated feldspar porphyry units from 90.2' to 90.8' and 93.2' to ~94.7', moderately soft (not scratched by fingernail), and contain only ~5% Quartz ± Carbonate			

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
64.1'-71.04.5'	TALC SCHIST (SOAPSTONE) veinlets; also colour is lighter than dark grey-black colour of talc schist Quartz vein zone from 100.7' to 100.9'; lower contact gradational		
~104.5'-386.6'	ALTERATION ZONE Similar to talc schist but becoming increasingly khaki coloured Tan coloured, cherty-looking band from 105.7' to 105.8'	105.7'-106.4'	0.001 589
	containing <1% FX disseminated pyrite; similar cherty-looking FX band from 106.1' to 106.4' containing ~2% FX disseminated pyrite and trace chalcopyrite; cherty looking bands have sharp contacts, parallel to foliation of host rock at about 80° to core axis.	106.4'-110.7'	0.001 590
	Breccia zones from 110.7' to 113.2'; 114.9' to 115.2'; 117.5' to 117.6' and 132.8' to 133.7'; these consist of yellow-cherty looking to white to light grey cherty-looking fragments (angular to rounded) randomly oriented to locally slightly stretched at about 70° to 80° to core axis.	110.7'-113.4'	0.021 591
	unit is hard (locally scratched by knife) silicified, cut by at least two generations of quartz veining; a light grey ± brownish milky white cherty-looking randomly oriented set of veinlets less than 1" wide, generally <1/4" wide and younger randomly oriented CX milky white to translucent quartz veins with milky white MX carb-	113.4'-114.9'	0.001 592
	nate crystals along vein margins, veins, up to ~1" but generally about 1/2" wide (from 113.2' to 113.4' is a light grey-brownish cherty-looking quartz vein); locally in these breccia zones, host rock is dark green (chlorite?); also locally fragments appear to be zoned with reaction rims; locally breccia zones are almost totally obliterated by younger milky white quartz + carbonate veining of	114.9'-117.5'	0.001 593
	Schist is very chloritic, dark green, from 117.6' to 119.2' and 119.6' to 119.8'	117.5'-120.1'	0.001 594
	Local light grey-buff coloured possibly carbonated(?) zones; from 119.2' to 119.6', 127.1' to 128.1', 128.9' to 129.8'; also local possibly silicified/bleached zones also	120.1'-124.0'	0.001 595
		124.0'-127.1'	0.001 596
		127.1'-129.8'	0.001 597
		129.8'-132.8'	0.006 598
		132.8'-133.7'	0.001 599
		133.7'-136.0'	0.001 600
		136.0'-139.9'	0.003 601
		139.9'-141.7'	0.001 602
		141.7'-146.0'	0.028 603
		146.0'-151.0'	0.004 604
		151.0'-156.0'	0.002 605
		156.0'-157.3'	0.001 606
		157.3'-162.0'	0.003 607
		162.0'-166.0'	0.001 608
		166.0'-169.6'	0.001 609
		169.6'-172.7'	0.003 610

EARTH RESOURCE ASSOCIATES: DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: U-13

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
~104.5-386.6'	ALTERATION ZONE (CON'T)		
	From 119.8' to 120.1' tan to light grey to milky white quartz vein zone with about 10% brown host rock inclusions.		
	Local silicified-bleached and carbonatized-bleached sections, commonly massive to slightly foliated. Also local dark grey to brown, hard quartz veinlets, randomly oriented, locally associated with breccia zones.		
	From 139.9' to 141.7': Breccia zone similar to 107' to 113.2', etc.; also very narrow breccia zones at 145', 146.1', 155.5', 161', 162.5', 163.7', 169.6' to 170', containing FMX pyrite along foliation planes. CX pyrite in chlorite rich band near 142'.		
	Local FX-MX disseminated pyrite from ~142' onwards.		
	Near 146' & 147' are chlorite rich bands with sharp contacts on downhole side and gradational contacts on uphole side, possible $1/2$" wide tuff bands?? or alteration effect??		
	Medium-grained green unit with possible very small fragments? near 149.7', possible mafic tuff? or?		
	Bleached-tan zone from 151.3' to 151.5' with ~1% FX disseminated pyrite.		
	Dark grey, narrow ($1/4$") quartz veinlets at 135.1', 153', 155.1', 155.5' (near bleached breccia).		
	Silicified zone from 157.0' to 157.3'		
	Kink folding (minor) near 162'		
	Silicified (white), brecciated zone near 165.5' with ~2% MX pyrite in between "fragments"		
	From 172.7" to 179.8" : chlorite rich, dark green with local breccia zones.	172.7'-177.0'	0.001 611
	Breccia zones: from 179.6' to 180.1', at 181.6'; at 184.7', from 187.7' to 188.7', at 192.10', at 195.4', from 198.2' to 199.2' (with trace chalcopyrite? and strongly silicified brownish section from 199.2'-199.6')	177.6'-179.8'	0.001 612
		179.8'-184.7'	0.002 613
		184.7'-187.7'	0.005 614
		187.7'-188.7'	0.005 615

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
~1045'-386.6'	ALTERATION ZONE (CON'T)		
	Local tan, FX, cherty-looking zone (possibly silicified bleached zones) containing up to ~3% FMX disseminated pyrite, also pyrite along crosscutting veinlets.	188.7'-191'	0.005 616
	Local dark grey quartz veinlets, similar to 135.1' at 192.7', at 193.1', at 197.0',	191'-193.1'	0.006 617
	From ~196' local apple-green to khaki-green spots within host rock, possible fuchsite? (possibly within sericitic host rock); from here (196') also unit is mainly SERICITE-QUARTZ-CARBONATE SCHIST, schistosity at ~191' is 60° to core axis	193.1'-196'	0.001 618
	at ~206' is 45° to core axis (varies from ~80° to 40° to core axis).	196'-198.2'	0.001 619
	Sericite schist is folded (kink) locally; at 202.8' is a folded blob of pyrite (parallel to folding of schistosity).	198.2'-199.6'	0.001 620
	Locally in sericite schist are very narrow (< 1/4") dark brown, hard veinlets, parallel or cross cutting schistosity.	199.6'-203'	0.004 621
	Possible tourmaline associated with bright yellow fragments in breccia cut by milky white quartz + carbonate vein from 211.1' to 212.3'	203'-206'	0.015 622
	Quartz + carbonate vein ~ 2" wide at 213.1' to 213.3' about 90° to core axis	206'-211.1'	0.001 623
	Possible black ribbons (parallel to schistosity) of tourmaline at 214.4'	211.1'-212.3'	0.001 624
	Finely laminated (possible tuff?) cherty-looking zone from 216.4' to 219.3' consisting of dark grey to tan to light grey bands, delicately laminated and locally kink folded with a more massive, uniformly tan coloured, cherty-looking zone from 217.3' to 218.1'; the entire unit contains local CX-MX pyrite blebs and aggregates.	212.3'-213.3'	0.001 625
	From ~216' onwards, schistosity is only slightly variable, generally about 80° to 90° to core axis.	213.3'-216.4'	0.001 626
		216.4'-219.3'	0.006 627
		219.3'-223'	0.007 628
		223'-226'	0.002 629
		226'-229'	0.001 630
		229'-231'	0.001 631

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
~104.5'-386.6'	ALTERATION ZONE (CONT)		
	Local dark grey zones within light green-fuch-site (?) rich sericite schist. most of these dark grey zones appear finely laminated with alternating quartz bands and khaki coloured sericite bands and carbonate bands; some grey zones: from ~231' to ~240.5', from 242' to 244'; from ~248.3' to ~254' and 255.5' to 257'.	231'-236'	0.001 632
		236'-240.5'	0.001 633
		240.5'-244'	0.001 634
		244'-248.3'	0.002 635
		248.3'-251'	0.001 636
		251'-254'	0.001 637
	At ~257' to ~258' are local cross-cutting micro faults (drag folds) similar to cross-cutting talc veinlets in Pale schist.	254'-257'	0.005 638
		257'-260.4'	0.001 639
	From ~260.4' to ~266.5': mainly massive, MX unit containing about 20% black FX disseminated crystals (possibly tourmaline?), very small equant, from 262.0' to 266.5'; unit is cut by about 20-30% grey to translucent quartz veinlets, randomly oriented; in general, unit has khaki-brownish colour with black-blue spots.	260.4'-262.0'	0.001 640
		262.0'-266.5'	0.002 641
		266.5'-270'	0.002 642
		270'-272'	0.001 643
		272'-275.3'	0.001 644
		275.3'-275.8'	0.004 645
		275.8'-277.1'	0.001 646
	Between 272' and 280' tagh: 10 feet of core (not 8 feet)	277.1'-278.7'	0.001 647
		278.7'-281'	0.001 648
	Local zones containing parallel and/or cross-cutting quartz veinlets (grey to milky white); from 275.3' to 275.8'; 277.1' to 278.7'; 290.3' to 290.9'; 291.5' to 292.7'; trace pyrite	281'-285'	0.001 649
		285'-290.3'	0.001 650
		290.3'-292.7'	0.001 651
	Dark brown, hard breccia with tan to yellow fragments, irregular shaped zone from 286.0' to 286.2'; also from 293.2' to 293.3'	292.7'-296.9'	0.001 652
		SAMPLE	
		297.3'-300'	0.001 653
	From 303.2' to ~310.0': Breccia? with local apple green fragments; massive, cut by quartz veinlets, almost parallel to core axis; quartz vein zones from 304.7' to 305.5'; 306.6' to 312.7'. local apple green - to blueish green spots in quartz veins, milky white CX quartz with MCX carbonate (milky white) along vein margins (almost 6" of solid quartz + carbonate from 307.5' to 308', then possible ground core? for about 4", then another ~3" of solid quartz-carbonate).	300'-303.2'	0.001 654
		303.2'-304.7'	0.001 655
		304.7'-308'	0.001 656
		308'-310'	0.001 657
		310'-312.7'	0.001 658
		312.7'-314.7'	0.001 659
		314.7'-318.7'	0.001 660
		318.7'-320.1'	0.003 661
		320.1'-323'	0.001 662
	Quartz vein zones similar to 275.3' to 275.8'; from 313.5' to 314.7'; from 316.6' to 320.5' including a breccia zone from	323'-325'	0.001 663
		325'-328.1'	0.001 664

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
~104.5'-386.6'	ALTERATION ZONE (CON'T)		
	318.7' to 320.1' brown FX ^{hard} matrix with khaki to white to ^{minor} yellow fragments generally brownish khaki colour; quartz vein zone also from 323' to 328.1' containing local pale green ("pasted green") quartz veins, zone contains about 25% quartz veins with local dark grey quartz veinlets <1/4" wide at 324.4, 325.5' and 328.7'; Quartz vein zones from 330.3' to 332.9' (grey 1/4" quartz vein at 331.4') and from 333.7' to 334.3'; from 354.6' to 354.9'	328.1'-330.3	0.028 665
		330.3'-332.9	0.001 666
		332.9'-334.3	0.001 667
		334.3'-338.5	0.001 668
		338.5'-340.4	0.001 669
		340.4'-341.3	0.001 670
		341.3'-343.5	0.001 671
		343.5'-344.1	0.001 672
	Cherty looking, very thin (<1/2" wide) brownish-dark brown/black and buff coloured quartz veinlets with associated brecciation along vein margins, running almost along core axis (somewhat irregular) from 340.4' to 341.3'; 343.5' to 344.1', and at 349.7'; trace FX quartz in host rock near veins.	344.1'-348	0.001 673
		348-350	0.001 674
		350'-355	0.001 675
		355'-360'	0.001 676
		360'-365'	0.001 677
		365'-370'	0.001 678
	Breccia at 347.3' and at 360.1'	370'-375'	0.002 679
	Tan coloured, FX cherty-looking unit from 367.1' to 367.3' contacts sharp at ~90° to core axis cut by threadlike grey quartz-carbonate randomly oriented veinlets; also narrower bands near 370.5'	375'-380'	0.001 680
		380'-384.1'	0.003 681
	Quartz vein at 369.7' to 369.8', milky white translucent; similar vein near 376'		
	Kink folding near 375'		
	Black to dark brown veins(?) of hard material (possible tourmaline?) in a mosaic-like pattern, with light grey carbonate between dark "fragments" occurs in vein-like irregular locally bifurcating zones from 384.1' to 384.8' (maximum width ~2 inches).	384.1'-384.8	0.004 682
		384.8'-386.6	0.001 683
	Foliation/schistosity is regular at ~90° to core axis		
	Lower contact possibly occupied by FX breccia? or mylonite? with local quartz eyes in a FX fragmental-looking matrix. (breccia?) from 386.3' to 386.6', both contacts are fairly sharp at ~90° to core axis, cut off by calc veinlets in next unit, and cross cuts schistosity of next unit slightly.		

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
386.6'-409.4'	CARBONATE-TALC-QUARTZ SCHIST (ULTRAMAFIC?) Light grey to light greenish grey to khaki consisting of up to 80% light grey carbonate veinlets, pods and lenses, roughly parallel to each other & schistosity planes (schistosity is variable from ~90° to rarely 0° to core axis, locally folded, etc) carbonate bands occur between talc-rich host rock generally FX to MX, containing local blebs of pyrite; unit is cross cut by randomly oriented milky white-translucent to light greenish quartz veinlets & veins (up to ~3" true width, from 391.3' to 391.6'); unit is soft, ^{locally} slightly scratched by fingernail	386.6'-390' 390'-391.6'	0.001 684 0.001 685
	Lower contact sharp at 50° to core axis, interfingered with next unit for ~ 1/2"	391.6'-395' 395'-400' 400'-405' 405'-409.4'	0.001 686 0.001 687 0.001 688 0.001 689
409.4'-410'	QUARTZ FELDSPAR PORPHYRY Very siliceous light grey FX porphyry containing ~15% milky white very fine-grained feldspar crystals in a cherty-looking light grey matrix containing ~2% black FX crystals of possible tourmaline? locally elongated parallel to each other or along veinlets (thor's dikes); unit is cut by randomly oriented pinkish feldspar + glassy quartz veinlets; trace FX disseminated pyrite	409.4'-410'	0.001 690
	Lower contact ground, probably masked by quartz veining in next unit; near contact, black crystals are aligned parallel to possible contact, at 65° to core axis.		
410'-411.4'	CARBONATE-TALC-QUARTZ SCHIST (ULTRAMAFIC?) Similar to 386.6'-409.4'	410'-411.2' 411.2'-414'	0.001 691 0.001 692
	Quartz vein zone from upper contact to 411.2', milky white to translucent quartz with host rock inclusions. Amount of carbonate lenses/pods decrease to		

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
410'-416.4'	Q-T-Q SCHIST (UM?) (CONT) ~50%; local, rare bright green zone (fuchsite?) Lower contact sharp at 80° to core axis, parallel to banding/foliation of next unit, cross cutting C-T-Q Schist.		
416.4'-417.6'	METASEDIMENTS(?) Finely banded black to dark grey to white ^(carbonate) unit, hard (not scratched by fingernail but scratched by knife); foliation/banding is regular at ~75-80° throughout unit; some foliation planes may be slightly graphitic. Lower contact sharp at 75° to core axis, parallel to foliation/banding of this unit but cross-cutting schistosity of next unit.		
417.6'-417.2'	TALC SCHIST Black and white and grey, banded unit, very soft (scratched by fingernail); banding/schistosity varies from 90° to 0° to core axis; folding & minor faulting with local but rare cross cutting black talc veinlets. Lower contact sharp at 60° to core axis, parallel to schistosity of talc schist.		
417.2'-418.2'	INTERMEDIATE DIKE ^{hard (scratched by knife)} Massive to locally slightly foliated dark grey Ex intermediate (?) dike (?) with local bleached & silicified zones, with ~1% MX pyrite associated, with narrow quartz veinlets, randomly oriented, about 90° to core axis, is Lower contact chloritic, masked by quartz veining, but appears to cross-cut schistosity of next unit.		

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
448.2'-455.2'	TALC SCHIST		
	Similar to 417.6'-447.2'		
	Lower contact possibly gradational? or core out of place? with chlorite-rich zone from 455.2' to ~455.5'		
455.5'-471'	METASEDIMENTS		
	Similar to 416.4' to 417.6'		
	Banding/foliation at ~75-80° to core axis		
	Local thin folding		
	Possible thin graphitic bands near 470', less than 1/10" wide.		
	Trace FMX disseminated pyrite		
	Local zones of carbonate veining and/or replacement		
	General grey to slightly khaki colour.		
471'	EOH.		



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REPORT ON
DIAMOND DRILLING AND UNDERGROUND MAPPING PROGRAM
HUNTER MINE PROJECT
WHITNEY TOWNSHIP
PORCUPINE, ONTARIO

FOR
WABIGOON RESOURCES LIMITED

BY

ROBERTA C. BALD, M.Sc., F.G.A.C.
TAMARACK GEOLOGICAL AND
PROSPECTING SERVICES LTD.

SEPTEMBER 19TH, 1988
TIMMINS, ONTARIO

INTRODUCTION

From February 1st to April 6th, 1988, a program of diamond drilling and mapping was performed underground at the Hunter Mine, Porcupine, Ontario. The Hunter Mine is located on the east side of Porcupine Lake, in Whitney Township, District of Cochrane, in the Porcupine Mining Division.

The drilling program consisted of a total of eight holes, designated as U-6 to U-13, for a total of 3,881 feet. A total of 691 samples were marked on the core and 246 of these samples have been assayed. 55 samples were sent in for assay in July, thus leaving a total of 390 samples to be both split and assayed. The drilling was done on the first level of the mine, approximately 225 feet vertically below surface and about 280 feet down the inclined shaft. Drill holes U-6 and U-7 were collared near the end of the 283 cross-cut, at the junction of the 284N and 284S subdrifts, and totalled 995.5 feet. The remaining 6 drill holes, U-8 to U-13, were collared at the end of the 281 cross-cut, for a total of 2,885.5 feet.

The shaft was pumped out to slightly below the third level. All three levels were geologically mapped on a preliminary basis only, due to time constraints. However, the mapping allowed a general geological picture of the mine to be interpreted and presented in this report. It appears that the main gold-bearing zone at the Hunter Mine is associated in part with a felsic intrusive unit, locally a recognizable quartz feldspar porphyry. However, preliminary conclusions indicate the gold appears to be related to abundant quartz veining associated with the felsic intrusive rocks. The exact relationship between the felsic intrusive rocks, the quartz veining and the gold has yet to be determined. On all three levels, the drifts appear to have been driven on what appears to be a locally altered and silicified felsic

intrusive dike or thin sill (possibly quartz feldspar porphyry). This unit appears to lie conformably within an intensely deformed and altered sequence of chloritic to sericitic schists, locally containing possible fuchsite spots and common parallel quartz veining. The origin and nature of this unit is difficult to determine because of its intense alteration and deformation. It lies between talcose ultramafic material of probable volcanic origin on the hanging wall and a sequence of metasedimentary rocks, consisting of greywacke and locally graphitic argillite, on the foot wall. Therefore, it appears that the chloritic and sericitic schists, called the alteration zone in the present program, are close to the contact between Deloro Group and Tisdale Group rocks.

PROPERTY DESCRIPTION, LOCATION AND ACCESS

The Hunter Mine Property consists of 7 contiguous patented claims held by Wabigoon Resources Limited, 111 Elizabeth Street, Toronto, Ontario. Portions of the westernmost claims are covered by Porcupine Lake. The claim group is within the town of Porcupine which is within the city limits of Timmins. The claims are situated in Concession III, Lots 9 and 10, Whitney Township and are numbered as follows: 14052, HR 1009, 10451, P.7592, P.12803 and an unnumbered claim in the NW 1/4 of the N 1/2 of Lot 9, also described as Land Parcel 3984 (Kirwin, 1987).

The claim group straddles the east shore of Porcupine Lake. The mine site is located near the boundary between claim HR 1009 and 10272, near the Lot line. From Timmins, it can be reached by travelling about 12 kilometers east along Highway 101 to the town of Porcupine, and turning south onto Haileybury Crescent, then turning west onto the first unmarked gravel road, locally called Lover's Lane, which goes right past the mine gate.

PROPERTY GEOLOGY

The Hunter mine property lies close to the Porcupine-Destor Fault Zone. Pyke (1982) situated the fault zone just north of Porcupine Lake but more recent mapping, still in progress, places it south of the Hunter property, passing through the extreme south part of Porcupine Lake (Open File Map 89, Geology of Whitney Township, Porochco).

The outcrops in the general vicinity of the property have been described by Pyke as steatized, massive, polysutured, serpentized peridotitic komatiite flows, based on texture in outcrop and lithochemistry. Porochco also mapped them as komatiitic metavolcanics, specifically Mg-Fe carbonate-quartz-chlorite-talc schist. In addition, the author observed a small patch of spinifex texture on the lakeshore outcrop on the point just southwest of the Hunter shaft. This exposure may have been missed in the past since it appears to be exposed this year because of dry weather conditions. The outcrops on Deadman's Point, near the cemetery are clearly polysutured. Therefore, it appears that the alteration zone is probably within komatiitic metavolcanic flows and may in fact be altered and sheared komatiitic volcanic material of the Tisdale Group.

The presence of the metasedimentary sequence, interlayered with talc schist (ultramafic rocks), in the foot wall at the Hunter property may indicate that the easterly trending band of metasediments shown on the east side of a northerly trending fault on Pyke's map, just east of the Hunter property, may actually continue past the fault and possibly be folded so now the strike of the metasediments is roughly 015 AZ, possibly by rotation/drag folding along the Porcupine-Destor Fault Zone.

The 015 AZ structure in the Hunter Mine property may be a fault splay, off the Porcupine-Destor Fault Zone which is about 040 AZ in the area. Breccia

zones show evidence of predating the shearing in the Alteration Zone because of the abrupt termination of some of the quartz veins contained within the unit.

From all the data observed to the present, it appears that gold at the Hunter Mine is closely associated with the following: 1) narrow cross-cutting brownish quartz veinlets, possibly containing fine, disseminated tourmaline, and commonly carrying very fine-grained visible gold; where seen, these veinlets appear to be randomly oriented and are found within the Alteration Zone, closely associated locally with silicified porphyry and breccia units; 2) silicified zones within pyrite-bearing sericite-ankerite schists of the Alteration Zone unit, locally carrying fuchsite; 3) low, anomalous gold values were also obtained from a white, tourmaline-bearing quartz vein sampled along the wall of the 280N drift.

TALC SCHIST/SOAPSTONE

Possible rock type: Deformed ultramafic volcanic flows.

Colour: Dark grey to black with white blobs and stringers on fresh surface; dark grey on weathered surface.

Hardness: Very soft (scratched by fingernail); common washed out and/or ground sections; local weathered out and/or orange-rusty weathered sections (possibly iron/magnesium carbonate).

Structure: Soapstone is locally brecciated to massive whereas talc schist is foliated to schistose with very variable directions (from 0° to 90° to core axis) and locally folded and faulted.

Veining: Local quartz and/or carbonate and/or silvery light green talc veinlets and pods and local black, massive talc veinlets; veinlets vary from cross cutting to parallel to foliation/schistosity direction.

Sulphides: Trace fine- to medium-grained pyrite.

Comments: The talc schist unit occurs structurally above and below the alteration zone as a sort of envelope, but it appears to be interfingered with the metasedimentary unit and conformable in the foot wall; the soapstone unit occurs structurally above the talc schist unit and may represent a fault zone; Locally present are grey to slightly mauve, cherty looking bands generally parallel to the schistosity and commonly containing fine-grained disseminated pyrite, these bands are possible fine-grained carbonate or felsic intrusive material (aplite?) or interflow chemical sediment; rare white varioles were seen in the soapstone unit.

Distinguishing features: 1) Hardness (scratched by fingernail); and 2) Cross-cutting, narrow (less than 1/4 inch) black talc veinlets in the talc schist only 3) Dark grey blueish colour.

INTERMEDIATE DIKE (?)

Colour: Dark to medium grey

Hardness: Medium hard (slightly scratched by hammer)

Structure: Massive to moderately foliated

Veining: Very thin, threadlike veinlets (carbonate? or quartz?) with surrounding bleached and silicified halos; veinlets locally form "ladder" pattern (i.e. looks like a string of H's); silicified material is light grey to white, very hard (not scratched by knife); silicified zones commonly carry up to 2% fine- to medium-grained, disseminated pyrite; amount of silicified material varies from about 15% to over 75% between different dikes.

Comments: Uncertain what the nature of this unit is, i.e. whether it is a dike or intermediate flow; seen only within the talc schist unit underground and in drill core; not observed on surface; from drill sections, these units appear to be unconformable to the general stratigraphy

Distinguishing features: 1) Bleached silicified zones and ladder veins; 2) grey colour; 3) Harder than talc schist

ALTERATION ZONE

Possible rock type: Sheared mafic and/or ultramafic volcanic flow (now a sericite and/or chlorite carbonate schist)

Colour: Light green to khaki to green, generally layered (looks striped)

Hardness: Locally very schistose and soft but variable

Structure: Schistose with only local kinking; very regular, parallel schistosity

Veining: Local zones of quartz and/or carbonate (commonly ankerite) veining occurring in various forms: 1) as narrow (less than inch), brownish, cherty looking quartz veins generally randomly oriented and locally containing fine-grained visible gold; 2) along schistosity planes, locally containing fine-grained disseminated pyrite and occasionally assaying anomalous in gold (generally gold is not visible); 3) white coarse-grained quartz veins with some carbonate and local tourmaline, rarely anomalous in gold (not visible).

Sulphides: Local fine- to medium-grained disseminated pyrite

Comments: This zone probably represents sheared, altered mafic to ultramafic volcanic flows; most of the gold-bearing sections were contained within this unit with one exception (it was located within the talc schist unit); although this unit is thick and quartz veining was locally seen throughout, there seems to be a concentration of gold-bearing zones close to the hanging wall contact of this unit (i.e. within about 80 feet of the contact with the soapstone-talc schist unit, probably what was previously called the "Main Vein")

Distinguishing features: 1) Structure (regular, well defined schistosity) 2) Local khaki to light green colour (probably due to sericite); 3) Variable appearance and composition.

BRECCIA ZONES

Possible rock type: Volcanic or tectonic (intrusion) breccia

Colour: Variable, from white to black to dark green

Hardness: Variable, from soft to hard depending on the type of "fragment"

Structure: Chaotic mixture of "fragments", veining, lenses and matrix, within a generally well defined zone with sharp contacts which are in general conformable to the schistosity of the enclosing schist.

Veining: Abundant quartz and quartz-feldspar veins and lenses, commonly appear to end abruptly at the breccia zone contacts; locally thin (less than 1/2 inch) brownish (possibly due to fine-grained disseminated tourmaline?) quartz veinlets rarely containing fine-grained disseminated gold.

Sulphides: Fine- to medium-grained pyrite

Comments: The nature of this unit and its relationship to the gold-bearing porphyry/quartz vein (Main Vein) is uncertain; drifting was done along a breccia zone on the third level of the mine; several breccia zones of variable thickness were recognized in the 1988 drilling, and may be lensoid since they do not seem to correlate between holes; there is also a porphyry component in this unit occurring as fragments or dikes.

Distinguishing features: 1) Buff coloured angular fragments in a dark brown, hard, aphanitic matrix; 2) quartz veins which are truncated by the well defined contacts of the breccia unit; 3) general chaotic, deformed appearance.

QUARTZ FELDSPAR PORPHYRY

Colour: White to light grey to pinkish with brownish tinge (especially evident underground) on fresh or broken surfaces; grey to milky white on weathered surface

Hardness: Hard (not scratched by knife)

Structure: Locally 15% Plagioclase and/or quartz phyrlic; variable amount and size of phenocrysts in a generally fine-grained, cherty-looking light grey matrix.

Veining: Randomly oriented pinkish feldspar and glassy to brownish smokey quartz veinlets.

Sulphides: Trace fine-grained disseminated pyrite

Comments: Matrix locally contains about 2% black, fine-grained tourmaline(?) crystals; contacts appear generally conformable to schistosity of country rock but in detail and perhaps only locally, contact is irregular (seen on power stripped area along shore) and apparently chopped up by faults normal to the contacts; the dikes locally appear to pinch out along strike, possibly due to primary, lensoid shape or the result of deformation.

Distinguishing features: 1) Local sugary textured siliceous appearance (probably recrystallized) causing this unit to commonly be mistaken for a quartz vein; 2) plagioclase and/or quartz phenocrysts, locally with vague outlines (possibly recrystallized); 3) Light colour

METASEDIMENTS (not seen on surface)

Colour: Argillite is black and greywacke is dark to medium grey to locally slightly khaki coloured

Hardness: Hard but slightly scratched by knife

Structure: Alternating beds of argillite and greywacke, locally kink folded

Veining: Local zones of carbonate veining; locally bleached

Sulphides: Trace fine- to medium-grained disseminated pyrite

Comments: Some bedding planes in argillite may be slightly graphitic; argillite is very fine-grained whereas greywacke is fine- to medium-grained; locally graded bedding clearly indicated top directions (variable)

Distinguishing features: 1) Sharply defined and regular bedding; 2) Colour (alternating black and grey)

CONCLUSIONS AND RECOMMENDATIONS

- 1- The remaining 390 samples from the underground drilling program should be assayed for gold.
- 2- The 1"=20' diamond drill sections should be finished and the new assays should be added. A similar section for drill holes U-6 and U-7 should also be drawn.
- 3- The underground mapping program revealed the drifts followed a felsic dike-like or sill-like body of possible quartz feldspar porphyry, contained within a series of chloritic to sericitic schists, called "alteration zone" during this work program. The felsic intrusive rocks are locally silicified and cut by quartz veining. On the hanging wall, the alteration zone is in contact with talcose, ultramafic material. A number of other quartz and/or feldspar porphyry dikes or sills were also observed. Breccia zones were located in the foot wall alteration zone. The first level ends about 10 feet from the contact between the alteration zone and a diabase dike.
- 4- More detailed mapping of the underground workings, including the stopes where possible, along with extensive sampling should be done to establish the exact location and nature of the gold-bearing zones.
- 5- A compilation of all previous work with various confidence levels indicated, should be done. This should include all previous geological and assay information from mapping and diamond drilling underground and on surface.
- 6- After the above work is done, there might be enough information to outline a drill program which could eventually lead to an estimate of mineable reserves. This program should consist of underground test holes and diamond drilling along with surface drilling.

Roberto Bald

BUDGET

Phase 1: Completion of previous diamond drill program

Splitting 390 samples at about 40 samples/day, at \$150.00/day	\$1,500.00
Assays, 445 samples at about \$15.00/sample	\$6,675.00
Completing and updating drill sections, about 3 days at \$250.00/day	\$750.00
Subtotal = \$8,925.00	

Phase 2: Completing underground mapping and sampling (this does not include the cost of dewatering the shaft nor its maintenance afterwards)

Detailed mapping of three first levels, about 15 days at \$250.00/day	\$3,750.00
Sampling of levels and stopes, about 50 man days at \$150.00/day	\$7,500.00
Assays, about 2,000 at \$15.00/sample	\$30,000.00
Subtotal = \$41,250.00	

Phase 3: Compilation

Compilation of all remaining data, about 15 days at \$250.00/day	\$3,750.00
Drafting, about 10 days at \$100.00/day	\$1,000.00
Subtotal = \$4,750.00	

Phase 4: Diamond drill program planning

Planning and organizing drill program, about 10 days at \$250.00/day	\$2,500.00
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TOTAL OF FOUR PHASES = \$57,425.00

10% CONTINGENCY = \$5,742.50

TOTAL = \$63,167.50

ESTIMATED COST OF DEWATERING SHAFT AND MAINTENANCE FOR 15 DAYS = \$30,000.00

THEREFORE TOTAL COST ABOUT \$95,000.00

Respectfully submitted September 19th, 1988

Roberta Bald

Roberta C. Bald, M.Sc., F.G.A.C.

CERTIFICATE

I, Roberta Bald, of the City of Timmins in the District of Cochrane, hereby certify:

- 1) That I reside at 301 Crawford Street, South Porcupine, Ontario.
- 2) That I received an Honours B.Sc. in Geology from Laurentian University in 1975 and a M.Sc. in Earth Sciences from the University of Manitoba in 1981.
- 3) That I have practised my profession as geologist since graduation.
- 4) That this report was written by me based on underground mapping at the Hunter Mine and diamond drill supervision from February 1st to April 6th, 1988, on relogging several surface diamond drill holes drilled in 1985 and 1986 between July 11 and August 17, 1988, and on various reports and maps of the area.
- 5) That I do not have any interest, either directly or indirectly, in the claims described in this report.
- 6) That I am a Fellow of the Geological Association of Canada.

Dated at Timmins, Ontario, this 19th day of September, 1988

Roberta Bald

Roberta Bald, M.Sc., F.G.A.C.

Tamarack Geological and

Prospecting Services Ltd.

SUMMARY LOG

PROPERTY HUNTER MINE
HOLE NUMBER 4-6

DIAMOND DRILL LOG

LENGTH = 508.5'

117 SAMPLES

DRILLING COMPANY MORRISSETTE

CORE SIZE AQ

CORE STORED AT: SITE

@ 50' - 45° @ 100' - 44.5°
@ 150' - 47° @ 200' - 47°
@ 250' - 43.5° @ 300' - 48.5°
@ 350' - 41° @ 400' - 48.5°
@ 450' - 54.5° @ 500' - 59°

GRID REFERENCE 10050,

TOWNSHIP WHITNEY CLAIM 1009

AZIMUTH 285° AZ DIP ANGLE - 45°

@ 517' - 56°
508.5

FOREMAN R. LAFON - DIP TESTS:

LOGGED BY R. BALD

DATE Feb. 5/85

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0 - 2'	CASING		
2 - 32.2'	MAFIC METAVOLCANIC (EFGHIT?) ← INT. DYKE ?		
32.2 - 312.5	TALC-CHLORITE-CARBONATE-QUARTZ-SCHIST (ULTRAMAFIC?) QFP Dikes: 79.2' - 79.5'; 81.2' - 83.1'; CP, PY; 197.0' to 199.5'		
312.5 - 319.2	ALTERATION ZONE (SERICITE-CARBONATE-QUARTZ SCHIST) QFP Dikes: 331.9' to 335.5'; 345.4' to 346.5'		
319.2 - 389.5	TALC-CHLORITE-CARBONATE (QUARTZ) SCHIST		
389.5 - 396.9	MAFIC DYKE (?)		
396.9 - 400.5	CHLORITE-CARBONATE (QUARTZ) SCHIST		
400.5 - 508.5	ALTERATION ZONE QFP Dikes: 409.7' to 412.1' QV Zones: 432.5' to 433.5'; 442.5' to 446.5'; 468.2' to 469.1' BX Zone: 494.4' to EDH		
508.5'	EDH		

PROPERTY Hunter Mine

HOLE NUMBER U-6

GRID REFERENCE

TOWNSHIP WADSWORTH CLAIM

AZIMUTH DIP ANGLE -45°

DIAMOND DRILL LOG

ACID TESTS = @ 50' - 45°
 @ 100' - 44.5° @ 150' - 47°
 @ 200' - 47° @ 250' - 43.5°
 @ 300' - 48.5° @ 350' - 41°
 @ 400' - 48.5° @ 450' - 54.5°
 @ 500' - 59° @ 517' - 56°

LENGTH: 508.5'

117 SAMPLES

DRILLING COMPANY Morrisette

FOREMAN

DIP TESTS:

CORE SIZE AQ

CORE STORED AT: MINE SITE

LOGGED BY R. Bald

DATE Feb. 5/58

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS	
			Au %	SAMPLES
0-2.0'	CASING			
2.0'-32.2'	MAFIC METAVOLCANIC (BASALT?) Fine- to medium- grained, dark grey, massive to locally foliated (generally at low angle to Core AXIS); unit consists of very small plagioclase crystals in chlorite-rich matrix, generally moderately soft (penetrated by knife); no reaction to HCl; local fine- to coarse- grained disseminated crystals. Unit contains local bleached, silicified zones from 2.5' to 2.8'; from 4.4' to 5.2'; from 10' to 12.6'; from 13.8' to 14.5'; from 15.3' to 15.9'; 27.5' to 29.6'; from 30.4' to 31.8'; bleached- silicified zones consist of network of variably oriented, thread like to up to 1/4" wide milky white to clear, grey quartz veinlets, commonly with yellow- golden tinge and hard silicified bleached host rock as envelopes on both sides of veinlet; locally bleached zones contain pyrite as fine- to coarse- grained crystals + blebs. locally silicified zone has cherty appearance, locally containing ~2-3% fine- grained disseminated pyrite (from ~28.0' to ~28.5'). Lower contact sharp at 26' to CA; next unit appears to cut Basalt unit	2.0'-4.4' 4.4'-10.0' 10.0'-12.6' 12.6'-15.9' 15.9'-21.0' 21.0'-24.0' 24.0'-27.5' 27.5'-29.6' 29.6'-32.2'	0.001 0.005 0.001 0.001 0.002 0.001 0.001 0.001 0.003	001 002 003 004 005 006 007 008 009
32.2'-312.5'	CHLORITE - CARBONATE - QUARTZ - TALC SCHIST Intensely banded, foliated/schistose unit; dark grey- black and white bands; schistosity direction generally at a low angle to CA but locally variable; no reaction to HCl; carbonate- quartz bands are white and up to ~1/4"	32.2'-37.0' 37.0'-42.0' 42.0'-47.0' 47.0'-52.0' 52.0'-57.0'	0.001 0.001 0.001 0.001 0.001	010 011 012 013 014

DIAMOND DRILL LOG. PROPERTY: HUNTER HALL HOLE NUMBER: U-6

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
32.2'-312.5'	CHLORITE-CARBONATE-GIFTS-Z-TALC SCHIST (CONT)		
	wide, locally folded, faulted and brecciated; trace disse-	57.0'-62.0'	0.001 015
	minated, pyrite, locally; locally black, very soft talc	62.0'-67.0'	0.001 016
	bands up to ~1/16" wide, becoming more common and	67.0'-72.0'	0.001 017
	locally cross cutting foliation/schistosity from ~75'		
	(possibly talc-rich veinlets?); local, rare, narrow		
	(< 2" wide) pyrite-rich zones containing about 5-10%		
	fine-grained disseminated pyrite in a grey, sugary		
	textured, possibly sericitic material		
	Schistosity @ 71' is ~25° to CA		
	" " 79' is ~35° to CA		
	Schistosity is very variable from ~75' to 312.5'; from	72.0'-77.0'	0.001 018
	0° to 90° to CA	77.0'-79.2'	0.001 019
	Quartz veins or quartz porphyry dikes: from 79.2' to	79.2'-81.2'	0.001 020
	79.5'; from 81.2' to 83.1' including a darker talc-rich	81.2'-83.1'	0.001 021
	section from 81.9' to 82.6' including some massive, block	83.1'-87.0'	0.001 022
	very soft talc veinlets containing fine- to medium-		
	grained pyrite; the quartz veins are coarse-grained,		
	with grey quartz grains with light golden-yellow		
	material between (possibly brecciated?); quartz vein		
	rarely contain chalcopyrite blob and fine-grained		
	disseminated pyrite; sharp to gradational contacts;		
	host rock is very deformed, Z-folded, faulted and		
	brecciated between these quartz veins		
	Local milky white quartz + minor ankerite? - not reaction	87.0'-92.0'	0.001 023
	to HCl) veins, generally cross-cutting schistosity of	92.0'-97.0'	0.001 024
	host rock; up to ~1" wide; from ~87' to ~245'; no sul-	97.0'-102.0'	0.002 025
	phides seen, generally at ~45° to 80° to CA; ~3" q.v. at ~147.0' ~45°	102.0'-107.0'	0.001 026
POSSIBLE "S	Cherty-looking, khaki coloured, massive, fine-grained	107.0'-112.0'	0.001 027
BROOKSITE	band parallel to schistosity (~10° to CA) at ~89'	112.0'-117.0'	0.001 028
?		117.0'-122.0'	0.001 029
		122.0'-127.0'	0.001 030
		127.0'-132.0'	0.001 031
		132.0'-137.0'	0.002 032
	NOTE: TWO 167' tags ~1.5' apart, in 2 boxes; from	137.0'-142.0'	0.001 033
	172' tag to EOH, should add 1.5' to all tags.	142.0'-147.0'	0.004 034

DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: U-6

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
32.2'-312.5'	TALC-CHLORITE-CARBONATE (QUARTZ) SCHIST (CON'T)		
		147.0'-152.0'	0.001 035
		152.0'-157.0'	0.004 036
		157.0'-162.0'	0.001 037
		162.0'-167.0'	0.003 038
	NOTE: 212' top of end of box 9. then 222' at start of box 10 → (OK) corrected by R. E. and	167.0'-172.0'	0.001 039
		172.0'-177.0'	0.001 040
		177.0'-182.0'	0.004 041
		182.0'-187.0'	0.001 042
		187.0'-192.0'	0.004 043
	From 197.0' to 199.5': Quartz Vein or Quartz Porphyry with massive black talc similar to 79.2' to 79.5', etc. upper contact sharp at ~40° to CA, lower contact sharp at 25° to CA	192.0'-197.0'	0.001 044
		197.0'-199.5'	0.001 045
		199.5'-202.0'	0.002 046
		202'-207'	0.001 047
		207'-212'	0.003 048
		212'-217'	0.004 049
		217'-222'	0.001 050
		222'-227'	0.001 051
		227'-232'	0.001 052
		232'-237'	053
		237'-242'	054
		242'-247'	055
		247'-252'	056
		252'-257'	057
		257'-262'	058
		262'-267'	059
		267'-272'	060
		272'-277'	061
		277'-282'	062
		282'-287'	063
		287'-292'	064
	Quartz veins similar to ~87' to ~245' from ~285' to ~310'; from 297.5' to 298.3' is a quartz vein at least 1" wide, running along core axis.	292'-297'	065
		297'-302'	066
		302'-307'	067
	Lower contact appears to be somewhat interfingered, parallel to schistosity of both units at 20° to CA.	307'-312.5'	068

DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: 4-6

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
312.5'-369.2'	ALTERATION ZONE		
	Buff to light grey to light green, locally cherty-looking foliated/schistose unit; locally with dark black bands (talc and/or chlorite) locally meso- to fine-grained deformation unit, consisting of bedding/faulting and variable schistosity directions (from $\sim 0^\circ$ to $\sim 70^\circ$ to CA); locally unit has fracture(?) - rich slips parallel to the foliation; local, rare coarse-grained disseminated pyrite; locally cherty-looking material contains small, round to irregularly-shaped quartz crystals, mainly in layers parallel to the foliation direction.	312.5'-317'	069
		317'-322'	070
		322'-327'	071
		327'-331.9'	072
	Quartz veins or Quartz Porphyry dikes: from 331.9' to 335.50' and 345.4' to 346.50'; ① upper contact irregular with host rock, lower contact sharp at $\sim 35^\circ$ to bore axis with cherty-looking buff altered material to $\sim 336.5'$ then unit becomes similar to TALC-CHLORITE CARBONATE (QUARTZ) SCHIST unit except no black bands (but local, possibly talc); ② upper contact sharp but somewhat irregular, $\sim 45^\circ$ to CA, lower contact sharp at 60° to CA. Lower contact sharp at 15° to CA, denoted by colour change (abrupt)	331.9'-335.5'	0.001 073
		335.5'-337'	074
		337'-342'	075
		342'-345.4'	076
		345.4'-346.5'	0.001 077
		346.5'-352'	078
		352'-357'	079
		357'-362'	080
		362'-367'	081
		367'-369.2'	082
369.2'-389.5'	TALC-CHLORITE-CARBONATE (QUARTZ) SCHIST		
	Similar to 32.2' to 312.5'; with local sericite-rich zones (khaki-light brown coloured bands)	369.2'-372'	083
	Lower contact sharp at 20° to CA, parallel to foliation of both units	372'-377'	084
		377'-382'	085
		382'-387'	086
		387'-389.5'	087
389.5'-396.9'	MAFIC DYKE (?)		
	Dark grey with white carbonate crystals (reacts slightly to HCl); fine-grained, granular, with khaki-brown coloured carbonate crystals locally along thin bands at 20° to core axis; possibly porphyritic mafic flow? but contact sharp against schistose rock; lower contact at 20° to core axis.	389.5'-396.9'	088

DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: U-6

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
396.9'-400.5'	CHLORITE-CARBONATE (QUARTZ) SCHIST Similar to 32.2' to 312.5' but not as much talc, unit is grey, foliated, MX. Lower contact somewhat gradational over a few inches & mainly denoted by a colour change	396.9'-400.5'	089
400.5'-508.5'	ALTERATION ZONE Similar to 312.5'-369.2'; Brown Quartz vein (Br Quartz Porphyry dike?) from 409.7' to 412.1', similar to 331.9'-335.5' but brown-buff coloured cherty looking with a few cutting milky white to grey quartz veinlets (randomly oriented); local breccia- like looking zones within vein, upper part sharp at 30° to core axis, parallel to foliation of host rock, lower contact ~25° to core axis; no sulphides seen; Locally unit is sericite-rich, with local fine crystalline fine-grained disseminated pyrite (e.g. near 422')	only 5.5' of core → 400.5'-407' 407'-409.7' 409.7'-412.1' 412.1'-417' 417'-422'	0.007 090 0.001 091 0.001 092 0.001 093 0.001 094
	Locally unit is sericite-rich, with local fine crystalline fine-grained disseminated pyrite (e.g. near 422')	422'-427'	0.001 095
	Local zones containing possible kurosite along foliation planes (from ~429' to ~454'); within this zone are local quartz veins ^{mostly} parallel to folia- tion, consisting of translucent quartz with ^{small} milky white grains in possible bands (parallel to vein walls (possibly quartz or feldspar?); up to 2" wide; main quartz vein zones from 432.5' to 433.5' (possibly contains some tourmaline?) and from ~442.5' to 446.5'	427'-432.5' 432.5'-433.5' 433.5'-437' 437'-442'	0.001 096 0.001 097 0.001 098 0.001 099
	Unit becomes dark grey from 451' to ~458' with a possible mafic dike from 456' to ~457.5' (ground core from ~456.5' to ~457.5', only broken pieces left), similar to 389.5' to 396.9'	442'-446.3' 446.3'-451' 451'-456'	0.001 100 0.001 101 0.001 102
	Zone of quartz veining similar to 432.5' to 433.5' from 468.2' to 469.7', up to 60% quartz; locally fine- grained dense, with pyrite in grey host rock between the quartz; also pyrite (<1% Fe dusting) in host rock locally from ~465' to 468.2'	456'-457.5' 457.5'-462' 462'-465' 465'-468.2'	0.001 103 0.001 104 0.004 105 0.031 106

DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: U-6

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
400.5'-508.5'	ALTERATION ZONE (CONT)	4682-4687	0.011 107
	NOTE: Between Driller's 399' and 412' tags → only 12 feet of core. (not corrected in log)	4677-472	0.001 108
		472-477	0.001 109
		477-482	0.001 110
	Foliation/schistosity @ ~ 455.5' = 30° to core axis	482-487	0.001 111
	@ ~ 471' = 45° to core axis	487-492	0.004 112
	@ ~ 485' = 55° to core axis	492-494.4	0.003 113
	@ ~ 494' = from 35° → 70° to core axis		
	@ ~ 504' = 50° to core axis		
	From 494.4' to EOH: Possible breccia zone with local zones of foliated/schistose material; very silicified - rock pits with local possible chlorite along foliation planes or between fragments; only trace, fine-grained disseminated pyrite in unit	494.4-497	0.003 114
		497-502	0.002 115
		502-507	0.012 116
		507-508.5	0.001 117
508.5'	EOH		

SUMMARY LOG

PAGE 1 of 1

PROPERTY HUNTER MINE

HOLE NUMBER U-7

GRID REFERENCE 19,050N

TOWNSHIP WHITNEY CLAIM 1009

AZIMUTH

DIP ANGLE - 50°

DIAMOND DRILL LOG

LENGTH = 487.0'

115 SAMPLES

DRILLING COMPANY MORRISSETTE

FOREMAN R. LaFontaine

CORE SIZE AQ

CORE STORED AT: SITE

LOGGED BY R. BALD

DATE Feb. 8/88

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0-16.9'	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST		
16.9'-29.2'	QUARTZ PORPHYRY DIKE		
29.2'-64.5'	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST		
64.5'-79.0'	QUARTZ PORPHYRY DIKE		
79.0'-227.5'	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST		
227.5'-233.8'	FELDSPAR PORPHYRY DIKE(?)		
233.8'-266.3'	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST		
266.3'-277.5'	CHLORITE SCHIST		
277.5'-306.8'	QUARTZ FELDSPAR PORPHYRY DIKE		
306.8'-317.7'	ALTERATION ZONE? (CHLORITE SCHIST)		
317.7'-320.7'	FELSIC DIKE? OR SILICIFIED ZONE? OR BRECCIA ZONE		
320.7'-324.5'	ALTERATION ZONE? (CHLORITE SCHIST)		
324.5'-397.8'	ALTERATION ZONE (SERICITE-QUARTZ-CARBONATE-CHLORITE SCHIST)		
397.8'-487'	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST (ULTRAMAFIC?) QV Zones: 412.6' to 413.7'; 415.5' to 416.5'; 432.4' to 433.9'		

487' EOH

PROPERTY HUNTER MINE

HOLE NUMBER U-7

DIAMOND DRILL LOG

 ACID TESTS = @ 50' - 44°
 @ 100' - 50° @ 150' - 47°
 @ 200' - 46° @ 250' - 46°
 @ 300' - 49.5° @ 350' - 45.5°
 @ 400' - 53° @ 450' - 46.3°
 @ 487' - 56°

GRID REFERENCE

TOWNSHIP WHITNEY CLAIM

AZIMUTH

DIP ANGLE - 50°

LENGTH = 487.0'

115 SAMPLES

DRILLING COMPANY MORFISSETTE

FOREMAN

DIP TESTS:

CORE SIZE

CORE STORED AT:

LOGGED BY R. Bald

DATE Feb. 8/58

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0'-	CASING CHLORITE-		
0'-16.9'	TALC-QUARTZ-CARBONATE SCHIST Dark grey, fine- to medium-grained rock with white to light brown-tan bands < 1/2" wide; variable schistosity directions (from ~ 0° to ~ 45° to core axis; locally very deformed and folded and faulted; locally contains fine- to medium-grained pyrite (rare); local cherty-looking bands (tan colour) (note only ~ 3 feet of core between 2' and 6' tags).	0'-2' 2'-6' 6'-8' 8'-13' 13'-16.9'	0.001 118 0.005 119 0.004 120 0.004 121 0.001 122
16.9'-29.2'	Quartz Vein(?) or Quartz Porphyry Dike(?) Light brown-tan coloured, massive, cherty-looking to possibly porphyritic, felsic unit; < 1% black veinlets, possibly tourmaline? locally; rare, disseminated pyrite; upper contact irregular, masked by milky white quartz; lower contact sharp at ~ 50° to core axis (NOTE: only ~ 19 feet of core between 18' + 28' tags).	16.9'-21' 21'-27' 27'-29.2'	0.001 123 0.001 124 0.001 125
29.2'-64.5'	CHLORITE TALC-QUARTZ-CARBONATE SCHIST Similar to 0-16.9'; very deformed banding, folded & faulted; local translucent grey to milky white quartz veins up to 2" wide, generally parallel to schistosity banding, from 55.0' to 55.1', from 56.0' to 56.8' including some brown, possibly quartz porphyry, sections and some wispy, black, very soft talc host rock inclusions(?), from 58.2' to 58.6', from 59.6' to 60.3'. Lower contact sharp at about 90° to core axis, next unit cross cuts unit from 29.2'-64.5'	29.2'-33' 33'-38' 38'-43' 43'-48' 48'-53' 53'-55' 55'-56' 56'-56.8' 56.8'-58.2' 58.2'-59.6'	0.001 126 0.001 127 0.002 128 0.029 129 0.001 130 0.003 131 0.001 132 0.001 133 0.001 134 0.001 135

FOOTAGE	CHLORITE DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
79.0'-227.5'	TALC-QUARTZ-CARBONATE SCHIST (CONT)	183'-188'	0.001 161
		188'-193'	0.001 162
	Possible small wedge of feldspar porphyry dike (?) at ~208.2'	193'-198'	0.001 163
		198'-203'	0.001 164
		203'-208'	0.001 165
		208'-213'	0.002 166
		213'-218'	0.001 167
	Lower contact sharp, but irregular; some cherty-looking tan-buff coloured bands in TALC-Q-C SCHIST unit within 6 inches of contact and within ~1 inch of contact in next unit; possibly carbonated? fine-grained, seems to be hard (but could be due to grain size & granular texture)	218'-223'	0.001 168
		223'-227.5'	0.001 169
227.5'-233.8'	FELDSPAR PORPHYRY DIKE (?)		
	Grey, fine- to coarse-grained, massive to slightly foliated felsic to possibly intermediate unit.		
	Fine-grained with no visible feldspar phenocrysts; from upper contact to about 228.6' (gradational into coarse-grained porphyry over about 2 inches); then from 232.6' to lower contact; this non-porphyrific unit is dark grey to buff and grey, foliated at 40-50° to core axis and contains trace, local fine dusting of pyrite.		
	From ~228.6' to ~230.9': coarse-grained to locally medium-grained feldspar and locally possibly quartz, phytic, about 50% phenocrysts (milky white to translucent up to ~1/4" long but generally ~1/10" long; rarely euhedral, lath shaped - but more commonly equant and oval in shape, possibly some deformation/tectonic → augen shapes.		
	From 230.9' to 232.6': similar to above except only about 5% white phenocrysts (plagioclase?, generally milky white).	227.5'-230.9'	0.001 170
	Lower contact broken but appears sharp; tan cherty-looking bands within ~3" of next unit.		
	No sulphides etc in coarse-grained part of dike.	230.9'-233.8'	0.001 171

DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: 4-7

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
233.8'-266.3'	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST	233.8'-237.5'	0.001 172
	Similar to 29.2'-64.5' and 79.0' to 227.5'	237.5'-242'	0.001 173
	3" section with ~ 2% very coarse-grained to locally	242'-247'	0.001 174
	fine-grained quartz cubes and locally flabs, dense mineral-	247'-252'	0.001 175
	led to possibly locally associated with thin talc vein-	252'-257'	0.001 176
	let	257'-262'	0.001 177
	Talc veinlets cross cut foliation of unit; talc	262'-266.3'	0.001 178
	veinlets trend 60-65° to core axis and foliation trends		
	30° to core axis (at 242').		
	Lower contact indicated by lack of talc veinlets		
	and decrease in quartz ± carbonate veinlets parallel to		
	foliation		
266.3'-277.5'	CHLORITE SCHIST		
	Dark green to dark greenish grey to grey with about	266.3'-272'	0.001 179
	10-15% white to light grey parallel bands less than	272'-277.5'	0.003 180
	1/4" wide (carbonate and quartz), foliation at ~ 80° to		
	core axis; local zones with almost no veining, rock		
	here is very fine-grained, dark green, massive;		
	veining in cleaves from 274.3' to lower contact		
	rock is buff-white to light grey, about 70% grey-white		
	veining.		
	Lower contact indistinct but appears to be ~ 90°		
	to core axis, possibly masked by veining.		
277.5'-306.8'	QUARTZ FELDSPAR PORPHYRY DIKE		
	Dark grey and light grey translucent with locally	277.5'-280'	0.001 181
	up to ? to white spots (lath shaped to equant to oval	280'-283'	0.001 182
	plagioclase crystals).	283'-286'	0.001 183
	Dark grey material occurs in fractures, between	286'-289'	0.001 184
	felsic fragments → unit looks brecciated; dark	289'-292'	0.001 185
	material is hard, possibly to mineralized?; fractures	292'-295'	0.001 186
	are randomly oriented	295'-298'	0.001 187
	Local quartz ± carbonate veining within dike	298'-301'	0.001 188
	No sulphides seen; lower contact indistinct.	301'-304'	0.001 189
	Lower contact ~ 40° to core axis, subparallel to 50° foliation of next unit	304'-306.8'	0.001 190

DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: 4-7

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
306.8'-317.7'	ALTERATION ZONE? - CHLORITE SCHIST?	306.8'-312'	0.001 191
	Inhomogeneous material, possibly locally silicified and altered; massive to schistose; fine- to coarse-grained; from mafic, dark greenish grey to dark green schist to light grey, hard, possibly silicified massive material; locally quartz veins cut this unit, up to ~1/4" wide, randomly oriented; local fine- to medium-grained pyrite.	312'-317.7'	0.001 192
	Lower contact sharp at ~80° to core axis, slightly irregular, parallel to foliation of this unit. Foliation at 312' is 70° to core axis		
317.7'-320.7'	FELSIC DIKE? OR SILICIFIED ZONE?	317.7'-320.7'	0.001 193
	Grey to dark grey to locally tan, cherty-looking, fine-grained, blocky texture fragments. Totally appears to be zoned with dark centers & paler rims (possible bleaching effect); No sulphides seen. Lower contact brecciated		
320.7'-324.5'	ALTERATION ZONE? - CHLORITE SCHIST?	320.7'-324.5'	0.001 194
	Similar to 306.8'-317.7' Lower contact gradational over ~6"		
324.5'-377.8'	SERICITE - QUARTZ - CARBONATE - CHLORITE SCHIST (ALTERATION Z.)	324.5'-327'	0.002 195
	Fine-grained grey to light green to Ktaki schist with local bright green colour along foliation planes (possibly sulphate?); local translucent to grey quartz & carbonate veinlets, generally parallel to foliation; local patches of fine-grained disseminated pyrite within sericite schist host rock but only rarely with quartz veinlets (up to 2" wide)	327'-332'	0.001 196
		332'-337'	0.012 197
		337'-342'	0.001 198
		342'-347'	0.012 199
		347'-352'	0.011 200
		352'-357'	201
		357'-362'	202
		362'-367'	203
		367'-372'	204
	From 377.2' to 378.0': brownish grey fine-grained, cherty looking material containing up to 3% fine- to medium-grained pyrite as disseminations & along stringers, contacts sharp and parallel to foliation of host rock (~80° to core axis)	372'-377.2'	205
		377.2'-378'	206

DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: U-7

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
324.5-397.8	SERICITE-QUARTZ-CARBONATE-CHLORITE SCHIST (CONT)	378-382'	207
	Foliation at 337' = 65° to core axis	382-387'	208
	" " 356' = 80° to " "	387-392'	209
	" " 367' = 80° to " "	392-397.8	210
	" " 377' = 80° to " "		
	" " 387' = 80° to " "		
	Lower contact disrupted by very gradual change in colour from khaki light green to greenish grey and the appearance of cross-cutting thin talc veinlets (locally looks like material between these talc veinlets has been drag folded ^{by the veinlets} in a ^{direction} to rock		
397.8-487	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST		
	Similar to 233.8-266.3 except colour is darker khaki to greenish grey and talc veinlets are dark greenish grey (mixed & bluish-black);	397.8-402	211
	From 415.0' to ~413.7': very dark grey schist; with quartz vein zone from 412.6' to 413.7' with silicified dark grey host rock between veins; brownish to translucent grey quartz veins < 1/2" wide, randomly oriented; no sulphides seen	402-407'	212
	From 413.7' onwards, unit is very rich in light grey possible ankerite? veinlets < 1/4" wide and generally parallel to the foliation (~80° to core axis, but somewhat variable), up to ~80% grey veinlets.	407-410'	213
	Quartz vein zone from 415.5' to 416.5' similar to 412.6' to 413.7' some veins remain ~parallel to core axis, cross-cutting foliation.	410.0-412.6'	214
	Coarse-grained, milky white to light grey translucent quartz vein from 432.4' to 433.9' contains about 10% dark greenish grey host rock inclusions; no sulphides seen; contact irregular and cross-cut foliation (~80° to core axis)	412.6-413.7'	215
	No cross-cutting thin talc veinlets from 436.8' to and of hole; unit is buff to light greenish to tan coloured from	413.7-415.5	216
		415.5-416.5	217
		416.5-422	218
		422-427'	219
		427-432.4	220
		432.4-433.9	221
		433.9-437	222
		437-442	223
		442-447'	224
		447-452	225
		452-457	226

SUMMARY LOG

PAGE 1 of 2

PROPERTY HUNTER MINE

HOLE NUMBER U-8

DIAMOND DRILL LOG

LENGTH = 617'

103 SAMPLES

@ 100' - 90° @ 150' - 88°
 @ 200' - 89° @ 250' - 89°
 @ 300' - 88° @ 350' - 89.5°
 @ 400' - 82° @ 450' - 84°
 @ 500' - 81° @ 550' - 89° @ 600' - 86°

GRID REFERENCE 105/5, (GEOLOGY GRID)
 TOWNSHIP WHITNEY CLAIM 1009
 AZIMUTH — DIP ANGLE - 90°

DRILLING COMPANY McARRISSETTE

FOREMAN R. Lafor - DIP TESTS:

CORE SIZE AQ

CORE STORED AT: SITE

LOGGED BY R. BALD

DATE Feb. 15/88

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS	
			4u	SIM. VLE
		INTERVAL	03/100	#
0'-4'	CASING			
4'-71.3'	TALC-CHLORITE - QUARTZ-CARBONATE SCHIST			
71.3'-70.7'	INTERMEDIATE DIKE? Silicified Zones: 71.3' to 71.8'; 77.7' to 79.0'; 80.5' to 80.9' and 81.5' to 81.7'			
90.7'-210.2'	TALC-CHLORITE - QUARTZ-CARBONATE SCHIST Silicified Zones: 179.0' to 184.4'; 201.0' to 202.0'; Breccia Zones: 182.0' to 183.9'; 208.0' to 208.2'			
210.2'-218.3'	QUARTZ FELDSPAR PORPHYRY DIKE Brecciated locally			
218.3'-250.6'	TALC-CHLORITE - QUARTZ-CARBONATE SCHIST			
250.6'-474.9'	ALTERATION ZONE (SERICITIC AND/OR CHLORITIC SCHIST) Breccia Zones: 261.3' to 262.2'; 281.2' to 281.8'; 278.6' to 280.2'; 265' to 265.7'; ~280.6' to 283'; ~286.5' to 290.0'; 314.7' to 316.9'; 382.1' to 385.8' Silicified Zone: 406.7' to 407.8 (brownish Q.V.)	406.7-407.8	0.132	300
474.9'-523.1'	TALC-CHLORITE - CARBONATE - QUARTZ SCHIST QV: 477.5' to 478.9' QF Porphyry: 485.5' to 486.1'			
523.1'-581.2'	ARGILLITE AND GREY WACKE			

PROPERTY HUNTER MINE

HOLE NUMBER 4-8

GRID REFERENCE

TOWNSHIP

CLAIM

DIP ANGLE -90°

DIAMOND DRILL LOG

LENGTH = 617'

103 SAMPLES

DRILLING COMPANY MORRISETTE

CORE SIZE AQ

CORE STORED AT:

ACID TESTS = @ 50' - NONE

@ 100' - 90° @ 150' - 88°

@ 200' - 89° @ 250' - 89°

@ 300' - 88° @ 350' - 89.5°

@ 400' - 82° @ 450' - 84°

@ 500' - 81° @ 550' - 89°

@ 600' - 86°

FOREMAN P. Lafont

LOGGED BY R. BALD

DATE FEBRUARY 15/88

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0'-4'	CASING		
4'-71.3'	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST Dark grey, soft, deformed unit; F to MX, with 5% to 75% milky white to greyish-Kraak colored carbonate veinlets generally < 1/10" wide but up to ~1" wide, randomly oriented (mainly parallel to foliation / schistosity, which is very variable); some folding & faulting in carbonate bands/schistosity (local kink folding); unit contains traces, hard FMX pyrite crystals. Rare, local gray-translucent quartz veins, randomly oriented, up to ~2" true thickness. Very broken soft core from 4' to ~22' with "1' wash" on 22' tag (only left of actual core between 15' and 22' tag). Schistosity at 40' = 40° to core axis at 57' = 15° to core axis at 62' = 90° to core axis 71' = 75° to core axis From ~45' to 71.3': local very thin cross cutting talc veinlets, black, very soft. Lower contact appears to have been sharp but ground.	620'-670' 670'-71.3'	233 234
71.3'-907'	INTERMEDIATE DIKE? Grey, foliated, medium-grained, moderately soft material without carbonate + quartz veinlets. Typical of previous unit; possible small (< 1/10" dia - water) recrystallized (?) foliation (?) at local	71.3'-71.8' 71.8'-75.0' 75.0'-77.7'	0.001 235 0.001 236 0.001 237

DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: U-8

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
71.3'-90.7'	INTERMEDIATE DIKE ? zones of quartz veining as thin (1/16" wide) milky white net-work of veinlets cross-cutting foliation of host rock; host rock is silicified and bleached within ~1/2" of quartz veinlets (host rock becomes light grey); locally, black ferruginous (?) ± F-CX quite evident along the quartz veinlets; most intense zones of silicification occur from 71.3' to 71.8', from 77.7' to 79.0'; from 80.5' to 80.9' and from 81.5' to 81.7'	77.7'-79.0'	0.001 238
	Foliation of unit is generally constant at ~50-55° to core axis	79.0'-80.5'	0.001 239
	Lower contact sharp at 50° to core axis and dike appears to be chilled within ~2" of contact; contact is parallel to foliations in both units	80.5'-81.7'	0.001 240
		81.7'-87.0'	241
		87.6'-90.7'	242
90.7'-210.2'	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST Similar to 45' to 71.3' 1.5" wide band of tan-buff coloured, hard cherty looking material adjacent to upper contact; bleached zone? or massive fine-grained carbonate zone? sharp contacts Foliation at 92' = 60° to core axis at 102' = 0° to core axis 2' grind marked at 117' tag Milky white feldspar? or quartz and translucent quartz vein from 122.8' to 123.2', generally parallel to foliation of host rock at ~40° to core axis but locally cross cutting; vein appears to be barren of sulphides; true width ~3.5" From ~179.0' to ~184.4' unit locally is possibly silicified (khaki colour) and silicified with rounded by oxidized and variously coloured quartz veinlets, pods & zones; very deformed, locally appears to be associated with slight purplish tinge; similar silicified zone from 201.0' to 202.0' with translucent to grey randomly oriented quartz veins up to ~1/2" cutting hard, khaki-tan	90.7'-95.0'	243
		175.0'-179.0'	244
		179.0'-184.4'	245
		184.4'-188.0'	246
		188.0'-193.0'	247
		193.0'-198.0'	248
		198.0'-201.0'	249
		201.0'-202.0'	0.002 250
		202.0'-205.0'	0.019 251

DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: 4-8

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
90.7'-210.2'	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST (CONT)	205.0'-208.0'	0.007 252
	silicified host rock; similar short zone from 208.0' to 208.2'		
	Host rock again taken on khaki tinge (possibly indicating sericite) from 202' to 210.2'		
	Lower contact ~80° to core axis, parallel to foliation in schist and appears to be interfingering for about 1"		
		208.0'-210.2'	0.169 253
210.2'-218.3'	QUARTZ VEIN AND/OR QUARTZ FELDSPAR PORPHYRY ZONE	210.2'-213.0'	0.001 254
	Variable colour, grain size and appearance in this siliceous zone: about 80% brownish tinged to coarse-grained quartz vein(?) with no visible phenocrysts. Ho similar material with milky white glaucous class? crystals and possibly local translucent but phenocrysts, locally brecciated with dark brown host material in between angular fragments; locally containing up to 2-3% very fine to coarse-grained quartz as disseminated cubes or blebs or along fractures; about 20% cross cutting milky white to translucent grey quartz veinlets, randomly oriented, up to ~2" wide.	213.0'-218.3'	0.002 255
	Lower contact gran. d (along with ~2" of core on either side of contact → only small wedges of redrilled core left)		
218.3'-250.6'	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST		
	Similar to 45' to 71.3'	218.3'-221.1'	0.013 256
	From upper contact to ~240', unit has slight khaki tinge (possibly sericite?), gradually becoming darker	221.1'-223'	0.001 257
		223'-228'	0.002 258
		228'-233'	0.001 259
	From 220.4' to 221.1': fine-grained, grey to tan quartz looking unit with black very thin lenses of talc? along foliation direction (~70° to core axis) parallel to host rock	223'-238'	0.001 260
		238'-240'	0.001 261
		240'-245'	0.001 262
		245'-250.6'	0.001 263
	Cross-cutting talc veinlets decreasing down interval		

DIAMOND DRILL LOG. PROPERTY: HUNTER MME HOLE NUMBER: U-8

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS	
218.3'-250.6'	TALC-CHLORITE-QUARTZ-CARBONATE SCHIST (CON'T) seen in next unit Lower contact locally sharp but partially masked by carbonate-quartz veinlets; contact at 30-35° to core axis, parallel to foliation / schistosity of both units			
250.6'-474.9'	ALTERATION ZONE Unit is a mixture of 1) sericitic, khaki to green color- red, medium- to fine-grained sericite + quartz + carbon- ate schist with locally variable foliation, deformed sections and locally cross-cutting milky white to translucent + quartz veinlets, also local possible brecciated zones; sericitic schist zones from 250.6' to 257.5'; from 261.3' to 265.0' including a brecciated zone from 261.3' to ~262.2' also possibly silicified; from 275.0' to 276.5'; from 280.7' to 316.9', including a breccia- ted zone for about 3" on either side of 281.5'; local poss. fuchsite (275.5') and cross-cutting veinlets 2) dark green - dark grey, fine- grained, chloritic + quartz + carbonate schist, locally appears silicified, light grey "fragments" cut by local milky white to translucent + quartz veins + carbonate (light grey - milky white); chloritic schist from 257.5' to 261.3'; from 265.7' to 275.0' with a grey section from 272.7' to 275.0'; from 276.5' to 278.6'; and from 280.2' to 280.7' 3) possible feldspar porphyry from 265' to 265.7', dark grey to brown with light grey to milky white, locally euhedral plagioclase crystals, randomly oriented, up to ~1/4" long upper contact sharp at 45° to core axis, parallel to foliation of previous unit, somewhat irregular; lower contact sharp but somewhat obscured by quartz veining, at 30° to core axis 4) possible quartz vein? or quartz porphyry dike? consisting of coarse-grained grey to translucent quartz with brecciated appearance with dark brown, hard material (tourmaline?) in between	250.6'-253' 253'-257.5' 257.5'-261.3' 261.3'-265' 265'-273.4' 273.4'-275' 275'-278.6' 278.6'-280.2' 280.2'-283' 283'-288' 288'-293'	0.001 0.001 0.045 0.003 VOID 0.001 0.005 0.021 0.003 0.001 0.003	264 265 266 267 268 269 270 271 272 273 274 275

DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: U-8

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
250.6-474.9	ALTERATION ZONE (CONT)	293-298	0.001 276
	"fragments"; rare trace pyrite in between frag-	298-303	0.003 277
	ments; upper contact appears to be sharp but is	303-308	0.001 278
	masked by quartz veining; lower contact sharp		
	at ~35° to core axis, parallel to foliation in chlo-		
	rite schist; quartz vein from 278.6' to 280.2'		
	Broken core from ~256' to 257'		
	Unit becomes less schistose from ~285' onward		
	with a probable increase in ankerite and a decrease		
	in sericite.		
	Possible tourmaline as ~1/10" diameter square		
	crystals? or crystal aggregates? black, hard; at 303'		
	and from 310.6" to 311.6" (about 5-10% disseminated).	308-313	0.003 279
	From 316.9' to ~336.4'; chloritic zone but with	313-319	0.001 280
	more veining (quartz + carbonate) than previous	316.9-322	0.001 281
	chloritic sections; also local possible tourmaline-	322-327	282
	rich veinlets and/or fragments; also trace local	327-332	283
	fine- to medium-grained disseminated pyrite.	332-336.4	284
	Throughout alteration zone, foliation direc-		
	tion appears fairly constant at about 50° to		
	core axis except from ~317.5' to ~320' where it is		
	variable and the core angles are as low as		
	~10° to core axis.		
	From ~336.4' to 353.8'; unit becomes serici-	336.4-340	0.001 285
	tic, intensely schistose, with local possible	340-345.3	0.003 286
	felchite along foliation planes and up to	345.3-350	287
	60% quartz + carbonate veinlets parallel to schisto-	350-353.8	288
	ssity; locally very fine dusting of pyrite within	353.8-360	289
	host rock (e.g. at 340'); also possible tourmaline-	360-365	290
	rich veinlets also parallel to schistosity (black,	365-370	291
	hard, <1/10" wide)	370-375	292
	From 353.8" onward; mixture of very schistose	375-380	293
	sericitic and ankeritic schist, locally with fine	380-385	294
	kinz felds; also local sections (generally less	385-390	295
	than 2-3" long) with up to 3% fine dusting of	390-395	296
	disseminated fine-grained pyrite generally in host	395-400	0.001 297

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS	
250.6'-474.9'	ALTERATION ZONE (CONT)	400'-405'	0.001	298
	Rock between parallel quartz veinlets; local more massive, deformed possibly brecciated sections; schistosity generally at ~70° to core axis except for a few short sections with smaller angles (up to ~20° to core axis); local possible fuchsite spots in quartz-carbonate veinlets and within host rock			
	From ~375' to ~416', unit is cross cut by ~5% milky white to translucent quartz ± carbonate veinlets up to ~3" wide, containing disseminated py ^{calcs} <1%	405'-406.7'	0.001	299
	Intensely silicified zone (about 75% quartz veins(?) from 406.7' to 407.8', no sulphides seen)	406.7'-407.8'	0.132	300
	Foliation at 417' is 85-90° to core axis (same to the end of unit)	407.8'-412'	0.001	301
	Unit gradually changes from khaki-greenish colour to grey from 471.9' to lower contact.	412'-417'	0.001	302
	Lower contact sharp, parallel to foliation at ~85° to core axis but with ~5" zone between alteration zone and next unit of possibly fine-grained dikes or bleached zones (massive fine-grained with ~1" containing ~5% fine- to coarse-grained disseminated pyrite)	417'-422'	0.001	303
		422'-427'	0.001	304
		427'-432'	0.001	305
		432'-437'	0.001	306
		437'-442'	0.001	307
		442'-447'	0.001	308
		447'-452'	0.001	309
		452'-457'	0.001	310
		457'-462'	0.001	311
		462'-467'	0.001	312
		467'-471.1'	0.001	313
		471.1'-474.9'	0.003	314
474.9'-523.1'	TALC-CHLORITE-CARBONATE-QUARTZ SCHIST			
	Similar to 45' to 71.3' except with a khaki coloured tinge (possibly due to ankerite)			
	Local talc filled cross cutting veinlets, filled with graphite at 475.5' only			
	Quartz vein from 477.5' to 478.9'; milky white, coarse-grained, containing ~20% host rock inclusions; no sulphides seen; upper contact sharp at	474.9'-477.5'	0.001	315
		477.5'-478.9'	0.001	316
		478.9'-481.2'	0.001	317

DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: U-8

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
474.9'-523.1'	TALC-CHLORITE-CARBONATE-QUARTZ SCHIST (CON'T) 20° to core axis but irregular; lower contact irregular		
	From 481.2' to 482.2'; hard, dark grey possibly intermediate - felsic dike? or silicified zone? cut by ~30% quartz veinlets, randomly oriented, trace pyrite, locally within crosscutting quartz veinlets; upper and lower contacts sharp at ~80° to core axis, parallel to foliation of host rock.	481.2'-482.2'	0.001 318
		482.2'-485.5'	0.001 319
	From 485.5' to 486.1'; pinkish to translucent possible quartz feldspar, possibly dike of quartz vein; upper contact somewhat inter-fingered at 80° to core axis; lower contact at 55° to core axis parallel to talcose schist host rock.	485.5'-486.1'	0.001 320
		486.1'-491'	0.001 321
	From ~486.1' to lower contact, unit becomes dark grey-black (talc-chlorite) with about 60-75% light grey-white carbonate (possible ankerite?) veinlets up to ~1" wide but generally ~1/10" wide parallel to schistosity (generally ~90° to core axis but locally variable & deformed, folded)	491'-496'	0.001 322
		496'-501'	0.001 323
		501'-506'	0.001 324
		506'-510.3'	0.001 325
	From 510.3' to 512.1'; hard light grey to dark grey dike? similar to 481.2' to 482.2' with local brecciated looking sections, possible small tourmaline crystals locally disseminated; no sulphides seen; contacts parallel to foliation at about 75° to 85° to core axis.	510.3'-512.1'	0.001 326
		512.1'-517.0'	0.003 327
		517'-523.1'	0.002 328
	Lower contact ground		
523.1'-528.2'	ARGILLITE AND GREY WACKE		
	From 523.1' to 525.5'; fine- to medium-grained khaki to grey colored unit with ~1-2% quartz & carbonate veinlets; soft	523.1'-525.5'	0.001 329
	From 525.5' to 528.6' unit contains ~40-50% thin light grey carbonate veinlets, parallel to foliation (at ~90°-85° to core axis), lower contact vague	525.5'-530.4'	0.001 330

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
523.1'-581.2'	ARGILLITE AND GREY WACKE (CON'T)		
	From 530.4' to 531.1': about 20% pyrite rich bands from $\frac{1}{10}$ " near 530.4' to $\frac{1}{2}$ " wide near 531.1', parallel to foliation at $\sim 90^\circ$ to core axis, within very fine grained, dark grey argillite; moderately soft.	530.4'-531.1'	0.001 331
	From 531.1' to ? : microcrystalline sequence of very fine-grained dark grey, moderately hard argillites with rare medium-grained greywacke beds; small fragments of quartz, feldspar and rarely rock fragments can be seen in argillite.	531.1'-536'	0.001 332
	Possible graded bedding in greywacke bed ~ 2 " wide at 539.6' indicates tops up hole.		
	From 545.5' to lower contact local zones with up to 20% thin milky white carbonate veinlets parallel to foliation at $\sim 90^\circ$ to core axis.		
	Small amount of graphite along foliation planes near 562'.		
	From 578.5' to lower contact, unit becomes very dark grey to black + possibly contains graphite locally.		
	Lower contact sharp but ground; difference in grain size, texture and amount of carbonate \pm quartz veining is also evident.		
581.2'-604.6'	TALC-CHLORITE-CARBONATE-QUARTZ SCHIST.		
	Dark grey-black, soft, with $\sim 20\%$ milky white carbonate \pm quartz veinlets parallel to foliation at ~ 80 to 85° to core axis, medium-grained.		
	Unit becomes dark green, possibly indicating higher chlorite content, from 593.6' to 601.6'.		
	Graphitic slips (rare) near 602'.		
	Lower contact appears to be gradational over about 6 inches; ~ 1 " of pyrite rich material at $\sim 604.7'$.	600'-604.6'	0.001 333

PROPERTY HUNTER MINE

HOLE NUMBER U-9

GRID REFERENCE 10515,

TOWNSHIP WHITNEY CLAIM 1009

AZIMUTH 285° AZ DIP ANGLE -80°

(GEOLOGIC
GRID)

DIAMOND DRILL LOG

LENGTH = 490 feet
97 SAMPLES

@ 50' - 76° @ 100' - 80.5°
 @ 150' - 85.5° @ 200' - 86°
 @ 250' - 80.5° @ 300' - 84°
 @ 350' - 86° @ 400' - 78.5°
 @ 450' - 88° @ 490' - 85.5°

DRILLING COMPANY MARRISSETTE FOREMAN R. LAFON-DIP TESTS:

CORE SIZE AQ

CORE STORED AT: SITE

LOGGED BY R. BALD

DATE FEB. 19 / 88

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0' - 4'	CASING		
4' - 105.3'	TALC-CHLORITE-CARBONATE-QUARTZ-SCHIST (SOAPSTONE)		
105.3' - 117.7'	INTERMEDIATE DIKE?		
117.7' - 120.6'	TALC-CHLORITE-CARBONATE-QUARTZ SCHIST		
120.6' - 162.6'	INTERMEDIATE DIKE? Silicified, Breccia(?) Zone: 149.8' to 152.8'		
162.6' - 171.2'	TALC-CHLORITE-CARBONATE-QUARTZ SCHIST		
171.2' - 190.7'	INTERMEDIATE DIKE Silicified, Breccia Zones: 171.4' to 175'; 179.6' to 180'; 185.4' to 185.7'		
190.7' - 215.5'	TALC-CHLORITE-CARBONATE-QUARTZ SCHIST		
215.5' - 225.5'	INTERMEDIATE PORPHYRITIC(?) DIKE		
225.5' - 231.1'	TALC-CARBONATE-CHLORITE-QUARTZ SCHIST		
231.1' - 233.2'	PORPHYRY DIKE? OR SILICIFIED BRECCIA ZONE?		
233.2' - 270.6'	TALC-CARBONATE-CHLORITE-QUARTZ SCHIST Breccia? Zone: 258' to 259.2'		

DIAMOND DRILL LOG

LENGTH: 490.0 FEET
97 SAMPLES

DRILLING COMPANY MORRISSETTE

CORE SIZE A Q

CORE STORED AT:

ACID TESTS = @ 50' - 76°
@ 100' - 80.5° @ 150' - 85.5°
@ 200' - 86° @ 250' - 80.5°
@ 300' - 84° @ 350' - 86°
@ 400' - 78.5° @ 450' - 88°
~~@ 500' - 80°~~ @ 550' - 80°

FOREMAN L. Fontaine

LOGGED BY R. Bald

PROPERTY HUNTER MINE

HOLE NUMBER U-9

GRID REFERENCE

TOWNSHIP

AZIMUTH

CLAIM

DIP ANGLE - 80°

@ 490' - 85.5°

DIP TESTS:

DATE Feb. 19/88

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0' - 4'	CASING		
4' - 105.3'	TALC-CHLORITE-CARBONATE-QUARTZ SCHIST (SOAPSTONE)		
	Grind 2' at 6' tag		
	Wash 3' at 16' tag		
	Wash 4' at 22' tag		
	Grind 3' at 32' tag		
	Dark grey - black, very soft, talc schist; local crum- bly sections, washed away; trace MX disseminated pyrite; variable amount of carbonate ± quartz veinlets, generally parallel to foliation & unit but locally cross cutting; foliation is very variable from 0° to 90° and some folding has been seen in core from ~42' onward, locally black talc veinlets cross cutting foliation & host rock, variable directions.		
	Silicified zone, grey, cherty, looking from 62.0' to 62.2'	61.5'-62.5'	337
	Quartz and carbonate rich zone from 103.9' to 105.1' including quartz vein from 103.9' to 104.3', coarse-grained, milky white quartz with cream coloured carbonate patches; about 80° to core axis, no sulphides seen.	103.9'-105.3'	338
	Lower contact indistinct		
105.3' - 117.7'	INTERMEDIATE DIKE ?		
	Dark grey to light grey, moderately hard foliated to massive mafic(?) to intermediate(?) dike?, locally cross cut by milky white quartz veinlets from which aureoles of silicification extend up to 1 inch, local fine- to coarse-grained pyrite along veinlets; possibly	105.3'-107' 107'-112' 112'-117.7'	339 340 341

DIAMOND DRILL LOG

PROPERTY: HUNTER MINE HOLE NUMBER: 4-9

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
105.3'-117.7'	INTERMEDIATE DIKE? "ladder" veins? (looks like continuous string of "H"'s; in general, the foliation of this unit is constant except locally (possibly folded), very deformed from ~ 110' to 112' Lower contact sharp at 70° to core axis, parallel to foliation/schistosity of rock unit (dike is massive, silicified zone)		
117.7'-120.6'	TALC-CHLORITE-CARBONATE-QUARTZ SCHIST Similar to 4'-105.3' with light grey to tan cherty looking band within 6" of contact, deformed (folded), no sulphides seen. Lower contact ~40° to core axis.	117.7'-120.6'	342
120.6'-162.6'	INTERMEDIATE DIKE Similar to 105.3' to 117.7' Foliation at 132' is 30° to core axis; at 134', 30° to core axis; at 148', 30° to core axis; at 153', 45° to core axis silicified zone with possible breccia from 149.8' to 152.8' with F-MX disseminated and shingery like quartz; also with patches of dark green chlorite between the silicified fragments. Lower contact ground	120.6'-123' 123'-128' 128'-133' 133'-138' 138'-143' 143'-148' 148'-149.8' 149.8'-152.8' 152.8'-158' 158'-162.6'	343 344 345 346 347 348 349 350 0.004 351 0.001 352
162.6'-171.2'	TALC-CHLORITE-CARBONATE-QUARTZ SCHIST Similar to 4'-105.3' Core angles ~ 20° to core axis, some faulting, folding and cross cutting black talc veinlets	162.6'-168' 168'-171.2'	0.001 353 0.001 354
171.2'-190.7'	INTERMEDIATE DIKE Similar to 105.3' to 117.7' Silicified, breccia zones similar to 149.8'-152.8' from 171.4' to 175'; from 179.6' to 180'; from 185.4' to 185.7'	171.2'-175' 175'-179' 179'-184'	0.001 355 0.001 356 357

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
171.2'-190.7'	INTERMEDIATE DIKE (CONT)		
	Upper contact sharp at 30° to core axis parallel to schistosity of talc schist and parallel to foliation of intermediate dike.	184'-185.7'	358
	Lower contact sharp at 20° to core axis, parallel to schistosity of talc schist and parallel to foliation of intermediate dike.	185.7'-190.7'	359
	Locally dike contains ~ 20% white spots, small to stretched parallel to the foliation; some are hard (feldspar?) and some are soft (carbonate?)		
190.7'-215.5'	TALC-CHLORITE-CARBONATE-QUARTZ SCHIST		
	Similar to 4'-105.3' only 5.5' of core	190.7'-199'	360
	Schistosity very variable: from ~ 0° to ~ 80° to core axis; folding and minor faulting with cross-cutting black talc veinlets; local, rare MCX pyrite along schistosity planes.		
	At 194' tag: 2 1/2' grid marked by drillers but only about 7' of core between 184' tag and 194' tag.		
	Lower contact sharp at 35° to core axis, parallel to foliation/schistosity of both units.		
215.5'-225.5'	INTERMEDIATE PORPHYRITIC (?) DIKE		
	Similar to 171.2' to 190.7'; locally unit contains white, hard equant to elongated (parallel to foliation direction) feldspar(?) crystals less than 1/10" long; these are distinct near ~ 216'.	215.5'-217.5'	361
	Silicified breccia zones are rare, only one zone up to ~ 2" wide at 216.5' containing ~ 2% FMX disseminated by and chalcoppyrite, also some sulphides in host rock within 1/4" of silicified boundary.	217.5'-222.8'	362
	Lower contact sharp at 35° to core axis, cross cutting talc veinlets in next unit.	222.8'-225.5'	363
	Patches of FX disseminated pyrite throughout core, up to ~ 2%.		

DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: U-9

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
225.5-231.1	TALC-CARBONATE-CHLORITE-QUARTZ SCHIST. light massive Similar to 42' to 105.3' but with tan to coloured FX cherty looking bands ^{locally} containing up to 3% FX disse- minated pyrite; bands are alternating with talc rich schist; variable core angles from 0° to ~50° to core axis, some folding + faulting seen asso- ciated with cross-cutting talc veinlets. Lower contact sharp marked by slicken sided talc, at 40° to core dip	225.5-229' 229-231.1'	364 365
231.1-233.2	PORPHYRY DIKE (?) OR SILICIFIED BRECCIA ZONE (?) Tan to dark grey, massive to deformed schis- tose unit, containing black hard possibly tourmaline streaks and patches of FX disseminated pyrite; unit contains up to ~40% milky white-light grey to brownish quartz veinlets, randomly oriented. Lower contact ground.	231.1-233.2	366
233.2-270.6	TALC-CARBONATE-CHLORITE-QUARTZ SCHIST Similar to 42' to 105.3' with pronounced talc veinlets (cross-cutting foliation/schistosity) at about 90° to core axis, from 233.2' to ~239' then from ~239' onward unit contains ~50% - 60% carbonate (ankerite?) and/or quartz veinlets and pods; unit is very deformed with variable schis- tosity, folding and faulting seen; local cross cutting talc veinlets at ~90° to core axis; local black spots soft, poss. talc crystals; locally unit takes on a slight khaki tinge. From 258' to 259.2'; unit has a tan tinge and contains about 80% ankerite (?) and quartz veinlets and fragments? very chaotic, randomly oriented veinlets, only local schis- tose section; quartz veinlets are light grey-translucent to brownish-tan; no sulphides seen. Local tan coloured, FX cherty-looking sections with local threadlike black stringers parallel to foliation	233.2-239' 239-244' 244-249' 249-254' 254-258' 258-259.6' 259.6-260.8' 260.8-264'	367 368 369 370 371 372 373 374

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
233.2'-270.6'	TALC-CARBONATE-CHLORITE-QUARTZ SCHIST (possible tourmaline?) from 259.6' to 259.9' and from 260.3' to 260.8'; foliation at about 80° to core axis in both sections, parallel to sharp contacts and parallel to schistosity of talc schist host rock. Unit becomes very ankerite veinlets from ~267.5' to 269.8' but still has recognizable cross cutting talc veinlets (unit is tan coloured with black th veinlets with a brownish-light grey quartz vein from 269.2' to 269.4' contacts about 80° to core axis; no sulphides) seen. Lower contact bleached within 1/2" of contact; sharp at 45° to core axis, parallel to cross-cutting talc veinlets in this unit and parallel to foliation of next unit.	264'-269.2' 269.2'-270.6'	0451 0.003 375
270.6'-278.6'	QUARTZ FELDSPAR PORPHYRY DIKE (?) Foliated to massive, F to MX, dark grey to tan coloured possible QF Porphyry dike; hard, silicified, variable in texture + structure, becoming massive, with recognizable feldspar and quartz phenocrysts towards lower contact; local chlorite(?) spots stretched parallel to foliation; light grey, sugary quartz vein (~1" true width) from 271.1' to 271.2' with black ribbons along margins (possible threadlike tourmaline veinlets?) containing trace Fx pyrite; local pyrite blebs and wisps along foliation planes. Lower contact sharp at 70° to core axis, somewhat irregular, with trace Fx pyrite near contact	270.6'-274' 274'-278.6'	0.025 376 0.001 377
278.6'-287H'	TALC-CARBONATE-CHLORITE-QUARTZ SCHIST Similar to 42' to 105.3'; schistosity is variable from 0° to 90° to core axis; with cross cutting talc veinlets also ~10% milky white to translucent quartz veins <1/4" wide, randomly oriented. Lower contact masked by quartz veining	278.6'-284' 284'-287.4'	0.001 378 0.001 379

DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: U-9

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS	
287.4-490	ANKERITE-TALC-QUARTZ SCHIST (ALTERATION ZONE?)	287.4-288.7	0.001	380
From 287.4-~391	light grey, chaotic unit with folded light grey-milky ankerite(?) bands (< 1/4" wide) alternating with medium grey talcose material; also containing light grey to translucent to milky white quartz veinlets, usual-ly < 1/2" wide, cross-cutting and parallel to schistos-ity; about 50% ankerite bands, 30% talcose material and ~20% quartz veinlets; local, rare cross cutting talc veinlets, generally about 90° to core axis;	288.7-290.5	0.039	381
		290.5-295	0.015	382
		295-300	0.001	383
		300-305	0.001	384
	From 287.4' to 287.8': brownish to light grey-translu-cent quartz vein, about 5" true width; contacts about 80° to core axis; some grinding; about 10% dark grey to brownish host rock inclusions; no sulphides seen; from 287.8' to 288.7' unit contains about 35%-45% quartz veinlets similar to 287.4' to 287.8' but only up to 1/2" wide.			
	From 289.7' to ~290.5': translucent to milky white quartz vein, containing about 10% host rock inclusions locally with possible tourmaline(?) crystals?; irregular contacts			
	From 301' to ~355': similar to 42' to 105.3' but locally, unit has tan-khaki tinge (bleached?); unit has same texture and structure as talc schist with local cross cutting talc veinlets.	305-310	0.001	385
		310-315	0.001	386
		315-320	0.001	387
		320-324.4	0.001	388
	From ~324.4' to ~328.4': chlorite-carbonate-quartz schist; dark green FMX chlorite-rich bands alterna-ting with carbonate ± quartz bands, locally fine kink folding; trace FCX pyrite; from 324.5' to 324.9' finely banded, delicate cherty-looking unit consisting of alternating bands of FX cherty looking tan-grey mate-rial block has a threadlike bands (tourmaline? or dark quartz?) (3) dark green FX-aphanitic soft chlorite bands (4) FX pyrite as threadlike stringers	324.4-328.4	0.026	389
		328.4-331	0.001	390
		331-336	0.003	391
		336-341	0.005	392
		341-346	0.001	393
		346-351	0.001	394
		351-356	0.001	395
		356-360.4	0.001	396
	some kink folding and micro faulting in this unit; core angles in this chloritic/cherty unit are ~70-80° to core axis			

DIAMOND DRILL LOG.

PROPERTY: HUNTER MINE

HOLE NUMBER: U-9

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
287.4'-490'	ANKERITE - TALC - QUARTZ SCHIST (ALT. ZONE?) (CONT)		
	→ Apple green, spots in quartz veinlet at 336.9		
	From ~ 355' onwards: "alteration zone" with foliation/schistosity at ~ 90° to core axis; becomes very schistose, more sericitic (khaki colour increased)		
	⊗ Light grey, cherty-looking zone from 351.2' to 351.3'		
	From 360.4' to 364.3': chlorite rich schist similar to 324.4' to 328.4' with possible silicified, brecciated zone from 360.7' to 361.3'	360.4-364.3	0.002 397
		364.3-369'	0.007 398
		369-371'	0.001 399
	Local fuchsite, colour along foliation planes (e.g. at 365.5', at ~ 370', etc.)	371-376'	0.001 400
		376-381'	0.012 401
	From ~ 368' onwards, local sections containing FX to rare CX cubes of pyrite, generally as fine dusting and as thick like bands parallel to schistosity.	381-386'	0.001 402
		386-391'	0.001 403
		391-396'	0.001 404
		396-400'	0.001 405
	Locally, faint traces of cross-cutting talc veinlets (Kirk folded; e.g. at ~ 378'); also local small scale folding; local dark grey, very soft talc bands (< 1/10" wide) parallel to banding.		
	Rock has a brownish, possibly oxidized? tinge from ~ 364' to 391'		
	Unit contains increasing amount of quartz as veinlets and pods parallel to foliation from ~ 390' onwards.	400'-403'	0.001 406
		403-406'	0.001 407
		406-407.5'	0.001 408
	Quartz vein zone from 407.5' to 408.9' with a possible single quartz vein (~10% host rock inclusions in brownish to light greenish sugary textured quartz) from 407.7' to 408.6'; trace FX pyrite	407.5-408.9'	0.001 409
		408.9-410.8'	0.001 410
		410.8-413'	0.001 411
		413-416.7'	0.001 412
	From 409.2' to 410.8': quartz vein zone similar to 407.5' to 408.9' but individual quartz veins up to ~1/4" wide only; some host rock inclusions are hard dark brown (possibly tourmaline-rich?); randomly oriented quartz veins	416.7-418'	0.001 413
		418-421'	0.001 414
		421-424'	0.001 415
		424-427'	0.003 416
		427-428'	0.007 417
	From 416.7' to 418.6': Quartz vein zone, light grey	428-431.2'	0.005 418

DIAMOND DRILL LOG.

PROPERTY: HUNTER MINE HOLE NUMBER: U-9

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
287.4'-490.0'	ALTERATION ZONE (CONT)		
	to light green, MX, sugary textured quartz; up to 3" true width quartz veinlets, parallel to schistosity at ~90° to core axis	431.2'-432'	0.001 419
		432'-434'	0.001 420
	From 427' to 427.8': FX, dark grey to buff-light greenish zone with pyrite as MX disseminations in last 1" associated with quartz veinlet.	434'-438'	0.001 421
		438'-443'	0.004 422
	From 431.2' to 431.6': about 75% light grey-translucent quartz as irregular veinlets	443'-448'	0.001 423
	Local, rare tan coloured FX - aphanitic cherty-looking bands less than 1" wide	448'-456.3'	0.001 424
		456.3'-458'	425
		458'-463'	426
	From 437.1' to 437.2': 1" wide (true width; parallel to schistosity at 90° to core axis) with threadlike ribbon of black, hard, possible tourmaline parallel to vein margins; elsewhere, rare possible tourmaline associated with quartz veinlets.	463'-468'	427
		468'-473'	428
		473'-478'	429
		478'-483'	430
		483'-488'	431
		488'-490'	432
	Rare kink fold at ~455' (generally schistosity is very uniform in direction ~90° to core axis).		
	Possible FX black tourmaline(?) as very small crystals generally along schistosity planes.		
	About 5% FMX pyrite disseminated to stringer-like along schistosity planes, from 485.6' to 485.8'		
	From 487.4' to EOH (490') increase in quartz occurring as pods and veinlets generally with ^{locally} kaolinite coloured sericitic material (host rock?) between; ^{locally} up to 75% Quat but average ~40-50%; no sulphides seen.		
490.0'	END OF HOLE		

SUMMARY LOG

PAGE 1 of 1

PROPERTY HUNTER MINE
HOLE NUMBER U-10

DIAMOND DRILL LOG

LENGTH = 602 feet
86 SAMPLES

DRILLING COMPANY MORRISSETTE

CORE SIZE AQ

CORE STORED AT: SITE

@ 50' - 63° @ 100' - 59.5°
@ 150' - 66.5° @ 200' - 63.5°
@ 250' - 63° @ 300' - 63°
@ 350' - 64.5° @ 400' - 64°
@ 450' - 67.5° @ 500' - 64.5° @ 550' - 67.5° @ 600' - 63.5°

GRID REFERENCE 10515

TOWNSHIP WHITNEY CLAIM 1009

AZIMUTH 285° AZ DIP ANGLE - 65°

(GEOLOGY GRID)

FOREMAN R. LAFON - DIP TESTS:
TAINÉ

LOGGED BY R. BALD

DATE Feb. 22 / 88

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0' - 4'	CASING		
4' - 338.7'	TALC SCHIST (SOAPSTONE) QV Zones: 331' to 332.5'; 333.3' to 333.7' QV: 333.8' to 334.8'		
338.7' - 353'	CHLORITE SCHIST		
353' - 496.2'	ALTERATION ZONE (CHLORITE AND/OR SERICITE SCHIST) Breccia Zone: 358.1' to 360'; 367' to 370.9'; 413.2' - 415.5'; 420.6' - 435.6' QV: 396.4' to 397.1'		
496.2' - 511'	TALC SCHIST QV Zones: 499' to 501.4'; 505' to 506.5'		
511' - 534'	QUARTZ FELDSPAR PORPHYRY DIKE Py, po, rare cp		
534' - 539.2'	TALC SCHIST		
539.2' - 542.5'	INTERMEDIATE DIKE ?		
542.5' - 543.1'	TALC SCHIST		
543.1' - 560.8'	METASEDIMENTS (GREYWACKE AND ARGILLITE)		
560.8' - 596'	TALC SCHIST		

596' - 602' METASEDIMENTS

PROPERTY HUNTER MINE

-HOLE NUMBER U-10

GRID REFERENCE

TOWNSHIP

CLAIM

AZIMUTH

DIP ANGLE - 65°

@500'-64.5° @550'-67.5° @600'-63.5°

ACID TESTS = @50' -63°
@100' -59.5° @150' -66.5°
@200' -63.5° @250' -63°
@300' -63° @350' -64.5°
@400' -64° @450' -67.5°

FOREMAN R. Lafontaine DIP TESTS: see above

DIAMOND DRILL LOG

LENGTH = 602 feet.

86 SAMPLES

DRILLING COMPANY MORRISSETTE

CORE SIZE AQ

CORE STORED AT:

LOGGED BY R. Bald

DATE February 2 /88

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0'-4'	CASING		
4'-338.7'	TALC SCHIST (SOAPSTONE)		
	Black with white streaks/veinlets; very soft, can scratch core with a finger nail. white streaks are carbonate ± silvery-greenish talc (very soft) with possible minor quartz. schistose but very deformed folded, local micro-faulting with black talc along faults; trace, local CX pyrite cubes disseminated throughout host rock or within carbonate-quartz veinlets; local light grey-tan sugary, cherty-looking zones or bands; local cross-cutting talc (black) veinlets, generally at about 90° to 70° to core axis.		
	From ~ 136.1' to 147.0': FX black, hard, tourmaline crystals and crystal aggregates, needle-like to clots, locally associated with milky white carbonate veinlets, parallel to schistosity/foliation of unit, at about 0° to 15° to core axis.	134'-136.1'	433
		136.1'-139'	434
		139'-144'	435
		144'-147'	436
		147'-149'	437
	From 218.6' to ~240.5': chlorite-rich zone, not as soft as talc schist, dark greenish grey, with only about 10% quartz ± carbonate veinlets; including a zone containing about 5 to 10% dark green, hard platy amphibole crystals from 219.3' to 227.7', crystals are randomly oriented and occur in patches or zones within this interval; this chloritic unit also contains local trace M to CX pyrite as disseminated crystals; locally, unit is foliated but random direction (from 0° to about 80° to core axis); upper & lower contact irregular		

DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: U-10

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
4'-338.7'	TALC SCHIST (SOAPSTONE) (CON'T)	~3.5' core	
	From 240.5' to 272.5': talc schist contains about 25% quartz veinlets randomly oriented, up to ~1/4" wide; also present in general is very pale grey in colour due to quartz veinlets in part but also due to silvery talc throughout host rock; with cross-cutting dark green-black talc veinlets at various angles to core axis	240.5-245' 245-250' 250-255' 255-260' 260-265' 265-270'	438 439 440 441 442 443
	3" grind tag at 250' tag (probably more like 1 foot of missing/ground core)		
	From 271.5' to 271.9': milky white, ex quartz vein irregular and/or ground contacts; ~10% grey host rock inclusions; no sulphides seen.	270'-272.5'	444
	From ~273' onward, unit contains local cherty-looking grey or tan bands, generally less than 1" wide, containing FMX disseminated pyrite	2' Grind, 272.5-280'	445
	From ~273' to ~294', black-dark green cross-cutting talc veinlets are wider than usual (up to about 1/10" wide - possibly could cause some ground problems?); 2' foot grind at 280' tag	280'-285'	446
	Pyrite bearing quartz + carbonate veinlet ~1" wide at 288.4' at about 80-75° to core axis.	285'-290'	447
	Cherty zone similar to units described above from ~295.5' to 296.1' containing about 3-5% FX disseminated pyrite; locally the unit looks like it might contain feldspar, ph. crystals but very small, possibly a porphyry??	290'-295.5' 295.5-296.1'	448 449
	Unit is becoming harder, and contains decreasing amounts of talc from ~295' onward, and also schistosity is ~80° to core	296.1-300.7'	NO 51 450
	Bleached zone from 300.7' to 301.1' containing locally about 2% FMX disseminated pyrite; unit is light grey here.	300.7-301.8' 301.8-305.3'	452 453
	Zone containing ~70% cherty material from 301.5' to 301.8'		
	Dark green, very soft, unit from 305.3' to ~305.8' containing about 1% quartz ± carbonate veinlets	305.8'-310' 310'-315'	454 455

DIAMOND DRILL LOG.

PROPERTY: HUNTER MINE HOLE NUMBER: U-10

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
4'-338.7'	TALC SCHIST (SOAPSTONE) (CON'T)	315'-320'	456
	From 331' to 332.5'; about 80-70% grey-brownish to milky white locally slightly wuggy. Quartz veinlets? parallel to schistosity; trace MCX pyrite within this zone; quartz bands locally appear to contain small quartz crystals and some of the quartz bands may be porphyry dikes?; a similar zone from 333.3' to 333.7' but quartz is white and sugary fine-grained.	320'-325'	457
		325'-329'	458
		329'-331'	459
		331'-332.5'	460
		332.5'-333.8'	461
	From 333.8' to 334.8'; irregular, coarse-grained translucent to milky white quartz vein with about 20% dark grey talcose host rock inclusions no sulphides seen lower contact sharp at ~40° to core axis, cross cutting foliation/schistosity of host rock	333.8'-334.8'	462
	Lower contact sharp but irregular at ~50° to core axis, parallel to talc veinlets in talc schist and to foliation of next unit.	334.8'-338.7'	463
338.7'-353'	CHLORITE SCHIST	338.7'-343'	464
	Very FX, dark green moderately soft (not scratched by a finger nail but scratched by a knife) chlorite rich material with parallel carbonate ± quartz veinlets (from threadlike to ~1" wide); no cross cutting talc veinlets seen; within first 4 inches of unit it contains about 5% pyrite as FCX disseminated cubes and stringers parallel to foliation; throughout the remainder of this unit are patches of FCX disseminated pyrite less than 1%; unit is locally bleached to pale grey-tan colour.	343'-348'	465
	Foliation is about 80° to 90° to core axis	348'-353.2'	466
	Lower contact very gradual and may be arbitrarily placed up to ~20' or 30' lower down in hole; rock type seems to be the same in next unit but alteration is increased		

DIAMOND DRILL LOG.

PROPERTY: HUNTER
MINE

HOLE NUMBER: K-10

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
353'-496.2'	ALTERATION ZONE (CHLORITE AND/OR SERICITE SCHIST)	353.2'-358.1'	467
	Very similar rock type (chlorite schist) to previous unit except increasing amount of quartz ± carbonate veining.	358.1'-360'	468
	From 358.1' to 360': silicified brecciated zone with tan coloured to light grey coloured angular fragments within a quartz rich matrix. zone also contains local bands and patches of very hard, dark brown ephanitic material (unknown? no sulphides seen); a similar zone occurs from 367' to 370.9' with a possible grey Fx porphyry from about 368' to 368.9' with brecciated margins and cross cut by quartz veins, local possible fuchsite spots occur within the breccia zone (or chlorite?); this breccia zone contains trace Fx pyrite.	360'-363'	469
		363'-367'	470
		367'-368'	471
		368'-368.9'	472
		368.9'-370.9'	473
		370.9'-375.8'	474
		375.8'-379'	475
		379'-382'	476
		382'-387'	477
		387'-392'	478
		392'-396.4'	479
	From 375.8' onwards: unit locally takes on a light green tinge (possibly fuchsite?), is sericite rich (rather than chlorite rich) and contains local zones of quartz ± carbonate veinlets parallel to foliation / schistosity; locally core breaks up into disks.		
	Foliation from beginning of unit onwards is about 80° to 90° to core axis with only a few local zones of deformation / folding towards beginning of unit; foliation / schistosity is very irregular from ~374' onwards.		
	From ~396.4' to 397.1': Milky white to translucent quartz vein with very irregular contacts similar to 333.8' to 334.8' except with black, hard possibly tourmaline rich host rock inclusions.	396.4'-397.1'	480
		397.1'-398'	481
		398'-403'	482
		403'-408'	483
	(BX) Local quartz-rich zones which have an inhomogeneous massive appearance, somewhat similar to a breccia but "fragments" are pods of quartz (not angular); from 413.2' to 415.5' and 420.6' to ~435.6' containing local narrow (<1") dark brown and milky white QFP dikelets, randomly oriented.	408'-413.2'	484
		413.2'-415.5'	485
		415.5'-420.6'	486
		420.6'-425.6'	487
		425.6'-430.6'	488
		430.6'-435.6'	489

(R.B. April 5/88).

DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: U-10

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
353'-496.2'	ALTERATION ZONE (CON'T)	435.6-440.6'	490
	Unit has light green to tan colour, to locally medium grey colour up to 467.9' where it takes on a darker green colour, fairly abruptly (chlorite rich); dark green colour alternates with light green-tan colour to 479.2' where again unit rather abruptly becomes chloritic ^(to 481.5') and dark green, but all the time being similar in texture & structure to sericite schist, except from ~483.2'-483.3', 484.4' and 486.5' where unit contains about 3% FMX disseminated magnetite crystals; near 484' and 486', very dark green chloritic (not scratched by fingernail)	440.6-444.4'	491
		444'-448'	492
		448'-452'	493
		452'-456'	494
		456'-460'	495
		460'-464'	496
		464'-467.9'	497
		467.9'-472'	498
		472'-476'	499
		476'-479.2'	500
		479.2'-483'	501
	cross cutting veinlets are seen at about 75° to core axis, foliation at 90° to core axis.	483'-487.5'	502
		487.5'-493'	503
		493'-496.2'	504
	Lower contact gradational over about 2" and signalled by softer core (scratched by fingernail), distinct cross cutting talc veinlets, and in general, core takes on a somewhat mottled, ^{grey} medium-grained appearance with variable core angles instead of wispy, very schistose (at ~90° to core axis) tan to dark grey material.		
496.2'-511'	TALC SCHIST	476.2'-499'	505
	Grey (light to dark), foliated to schistose talc schist, soft (scratched by fingernail); containing about 20% quartz ± carbonate veinlets, generally parallel to foliation planes but locally cross-cutting; local zones with up to 50% quartz (translucent to light grey, sugary) ± carbonate veinlets, up to ~2" wide ^(500°) from 499' to 501.4', including a ~1" wide possible white porphyry dike at 501.4', and from 505' to 506.5' with a ~3" wide quartz vein at ~506.1', no sulphides seen in these quartz zones, some minor folding seen.	499'-501.4'	506
		501.4'-505'	507
		505'-506.5'	508
		506.5'-511'	509
	Lower contact to sharp at 70° to core axis, parallel to schistosity of talc schist unit.		

DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: U-10

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
511'-534'	QUARTZ FELDSPAR PORPHYRY DIKE Light grey, cherty looking, aphanitic matrix with milky white plagioclase crystals up to ~1/10" diameter, stubby tabular to equant euhedral ^{plagioclase} crystals, randomly oriented disseminated throughout unit; rare clear quartz phenocrysts up to ~1/16" diameter, equant; about 10-20% plagioclase phenocrysts in unit Unit is cut by a network of randomly oriented thin veinlets consisting of 1) pyrite, 2) pyrrhotite (as crystal aggregates or thin sheets covering fracture surface), rarely 3) chalcopyrite crystal aggregates, 4) a hard, black aphanitic material (possibly tourmaline?). (Overall sulphide amount estimated to be about 2% along veinlets and as discrete, disseminated crystals), and 5) soft khaki-green, sericite? coating fracture surfaces Lower contact sharp at 70° to core axis somewhat irregular; thin carbonate veinlets in porphyry end abruptly at contact; contact is parallel to foliation/schistosity of next unit.	511'-513.5' 513.5'-518' 518'-521' 521'-524.5' 524.5'-527.5' 527.5'-531' 531'-534'	0.001 510 511 512 513 514 515 516
534'-539.2	TALC SCHIST Similar to 496.2' to 511.0'; Foliation generally ~85° to core axis Lower contact sharp but slightly ground (because of difference in hardness between two units), at ~90° to core axis, parallel to schistosity/foliation of two units	534'-539.2	517
539.2'-542.5	INTERMEDIATE DIKE ? Grey to tan, hard, fine-grained unit, generally massive to slightly foliated near margins; commonly bleached/silicified and cut by randomly oriented translucent to glassy quartz veinlets + patches; locally tan coloured zones look cherty + could possibly be porphyry?; very hard, not scratched by knife	539.2'-542.5	518

DIAMOND DRILL LOG. PROPERTY: HUNTER MINEHOLE NUMBER: 4-10

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
539.2'-542.5'	INTERMEDIATE DIKE (CONT) No sulphides seen. Lower contact sharp at 80° to core axis, parallel to foliation / schistosity of both units.		
542.5'-543.1'	TALC SCHIST Similar to 496.2'-511.0' Lower contact masked by quartz ± carbonate veinlets.	542.5'-544.5'	519
543.1'-560.8'	METASEDIMENTS Grey-khaki, MFx greywacke and FX-aplanitic, dark grey-black argillite beds; foliation, and bedding are parallel, at ~90° to core axis. From upper contact to 544.5' unit contains ~40% carbonate veinlets, parallel to foliation; these carbonate veinlets abruptly decrease at 544.5'; about 5% carbonate veinlets from there onwards. Locally unit is bleached to pale grey colour. Lower contact interfingered for about 1", but appears to be parallel to schistosity / foliation of both units at ~85° to core axis.		
560.8'-596'	TALC SCHIST Very soft, alternating bands of silvery white and dark grey-black talc; core breaks up into disks with rounded edges. FX to MX, easily scratched by fingernail; similar to 496.2' to 511.0' but more talcose. Schistosity is about 80° to 90° to core axis; it is deformed from ~588' to ~595'. Cross cutting black talc vein (its are seen) from 595' to lower contact, at ~85° to core axis. Lower contact possibly gradational or interfingered for ~2".		

SUMMARY LOG

PAGE 1 of 2

PROPERTY HUNTER MINE

HOLE NUMBER U-11

DIAMOND DRILL LOG

LENGTH = 632 feet
66 samples

@ 100' - 55.5°
@ 200' - 55.5°
@ 300' - 58.5°
@ 400' - 60°
@ 500' - 56.5°

@ 600' - 56.5° GRID REFERENCE 10515,

(GEOLOGY GRID)

TOWNSHIP WHITNEY CLAIM 1009
AZIMUTH 285°42' DIP ANGLE -55°

DRILLING COMPANY MORRISSETTE FOREMAN R. LAFON-DIP TESTS:

CORE SIZE AQ CORE STORED AT: SITE TAINE LOGGED BY R. BALD DATE March 11/88

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0'-4'	CASING		
4'-262.5'	TALC SCHIST (SOAPSTONE) QV Zone: 257.4' to 257.7'; 261.9' to 262.5'		
262.5'-286.9'	CHLORITE SCHIST (MAFIC METAVOLCANIC FLOW AND/OR LAPILLI TUFF? OR MAFIC DIKE?)		
286.9'-292'	TALC SCHIST (SOAPSTONE)		
292'-295.4'	CHLORITE SCHIST(?)		
295.4'-356'	TALC SCHIST (SOAPSTONE) QF Porphyry dike: 297.8' to 298.3' QV Zones: 349.1' to 350.8'; 351' to 355.3'		
356'-358.9'	CHLORITE SCHIST (MAFIC DIKE OR METAVOLCANIC FLOW?)		
358.9'-359.6'	TALC SCHIST		
359.6'-385.2'	CHLORITE SCHIST QV Zones: 367.8' to 369.6', po; 382.4' to 385.2' Breccia Zones: 373.1' to 375.3'; 375.8' to 376.7'		
385.2'-481.2'	ALTERATION ZONE Breccia Zones: 430.6' to 431.4' QV Zones: 450.0' to 451.0'; 451.2' to 451.8'; 452.1' to 452.7'; 453' to 453.9'; 455.5' to 455.8'; 479.9' to 480.6'		

PROPERTY HUNTER MINE
HOLE NUMBER 4-11DIAMOND DRILL LOG @ 100' - 55.5° @ 500' - 56.5° GRID REFERENCE
LENGTH = 632.0' @ 200' - 55.5° @ 600' - 56.5° TOWNSHIP
66 Samples @ 300' - 58.5° @ 400' - 60.0° AZIMUTHCLAIM
DIP ANGLE - 55°

DRILLING COMPANY MORRISSETTE FOREMAN R. Lafontaine DIP TESTS:

CORE SIZE A&Q CORE STORED AT: MINE SITE LOGGED BY R. Bald DATE March 11/88

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0'-4'	CASING		
4'-262.5'	TALC SCHIST (SOAPSTONE) Black to silvery grey, very soft (scratched by fingernail), foliated to schistose (direction variable from 0° to 90° to core axis); unit mainly consists of talc (black, soapy variety and silvery-greenish, flaky variety); containing less than 5% milky white carbonate veinlets, commonly parallel to foliation / schistosity plane; unit appears to be deformed with abundant folding seen; no cross cutting black talc veinlets seen until ~ 55' (rare); trace local MCX pyrite crystals up to 1/4" diameter, associated with carbonate veinlets. 1 1/2 foot grind at 103' tag From ~ 144' to ~ 176' : local sections where core breaks up into disks ~ 1/2" thick (ground by drillers) 1' grind at 154' tag 3' wash at 163' tag 1' wash at 165' tag 6 inch wash at 180' tag From ~ 180', unit contains abundant black, cross-cutting talc veinlets. From 257.4' to 257.7' : quartz vein zone containing about 75% grey to milky white quartz with wispy talc slips between quartz veinlets. No sulphides seen. Lower contact sharp but masked by quartz veining in talc schist from 261.9' to lower contact (similar to 257.4' - 257.7').		520

DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: U-11

FOOTAGE	DESCRIPTION OF CORE OR MAFIC DIKE?	SAMPLE NUMBER	ASSAYS
262.5'-286.9'	<p>CHLORITE SCHIST (MAFIC META VOLCANIC FLOW AND/OR LAPILLI TUFF?)</p> <p>Dark green to dark greenish grey with patches and veinlets of white to light grey; moderately soft (scratched by knife but not by fingernail); variable texture from 1) fine-grained massive with about 10% light grey carbonate \pm quartz veinlets and pods to 2) schistose, alternating mafic and felsic bands (finely laminated locally), locally folded; locally (especially near 265') unit contains about 10% black, Cx hard amphibole crystals, disseminated throughout and randomly oriented; also locally (especially near 269') unit has fragmental appearance with delicate, wispy angular dark green chloritic "fragments" in a light grey fX matrix "possible mafic lapilli tuff?" also some light grey-white "fragments", or possible breccia zone?; locally unit is possibly silicified</p> <p>From 270.6' to ~272': talc-sand in core box, no core; possible seam?</p> <p>Lower contact sharp, somewhat irregular but about 80-90° to core axis; "chlorite schist" bleached to light grey colour within 1 inch of contact</p>		
286.9'-292'	<p>TALC SCHIST (SOAPSTONE)</p> <p>Similar to 180' to 262.5'; about 50% light grey coloured "fragments" \rightarrow talc \pm carbonate \pm quartz veinlets and patches</p> <p>Lower contact sharp at 30° to core axis, parallel to foliation of next unit but appears to cross cut slight foliation of talc schist</p>		
292'-2954'	<p>CHLORITE SCHIST (?)</p> <p>Similar to 262.5' to 286.9' but no amphibole crystals seen; containing a ~1/2" wide band (90° to core axis) of fragmental looking material generally with sharp contacts; tuff bed? or breccia?</p> <p>Lower contact sharp but irregular</p>		

DIAMOND DRILL LOG.

PROPERTY: HUNTER MINE HOLE NUMBER: U-11

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
295.4'-356'	TALC SCHIST (SOAPSTONE) Similar to 286.9' to 292'; local black, soft, cross-cutting talc veinlets.		
	Local zones of light grey, foliated, silicified cherty-looking material, generally containing up to 2% FMX pyrite as disseminated crystals; these "cherty" bands are parallel to schistosity (variable directions) and are less than 1" wide but may be wider; at 318.5', 320.2' to 320.5'; 322.3' to 322.4'; at 332.5'; locally take on a pink-tan tinge.	297.8'-298.3'	521
	From 320.5' to 322'; possible grey to milky white quartz vein? or silicified mafic dike? containing tourmaline and green chlorite, as in filling along fractures in quartz and about 3-5% FMX disseminated pyrite in patches; also local chlorite-rich schist zones, narrow (< 1/2" wide) within unit and from lower contact to 322.3' (start of "cherty" zone)	318'-320.5'	522
	6" grind at 350' tag	320.5'-322'	523
	From 297.8' to 298.3': tan-cream coloured foliated quartz-feldspar-porphyry dike, contacts sharp to brecciated at about 55-70° to core axis, locally irregular trace FX pyrite as disseminated crystals; contacts roughly parallel to foliation of talc schist.	322'-322.9'	524
	From 349.1' to 350.8' (including 6" grind?) and 351' to 355.3'; zones containing ~50% to 70% carbonate ± quartz veinlets and pods, randomly oriented (unit has chaotic appearance), with local breccia or porphyry zones (dark brown with white to tan fragments of phenocrysts?); no sulphides seen.	6" grind 349.1'-350.8'	525
		350.8'-355.3'	526
		355.3'-360'	527
	Lower contact masked by quartz veining, contact could be uphole ~ 6 inches or so.		

DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: U-11

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
356'-358.9'	CHLORITE SCHIST (MAFIC DIKE OR METAVOLCANIC FLOW?) Similar to 292' to 295.4' but no fragmental looking material. Local CX pyrite crystals, less than 1% Local carbonate ± quartz knots or eyes developed along threadlike carbonate ± quartz veinlets (parallel to foliation of unit at 70° to core axis, locally variable) Lower contact gradational over ~ 1/4"		
358.9'-359.6'	TALC SCHIST Similar to 180' to 262.5' but harder (only slightly scratched by finger nail) and has a khaki coloured tinge Lower contact similar to upper contact, gradational.		
359.6'-385.2'	CHLORITE SCHIST Similar to ~356' to 358.9' Local silicified breccia-quartz vein zones similar to 320.5' to 322' from 367.8' to 369.6' containing trace amounts of FX pyrrhotite along host rock (?) ribbon-like inclusions; zone is dark grey to white to medium grey-tan; very sharp contacts at ~80° to 70° to core axis; also from 382.4' to ~385.2' (some in situ brecciated material) Also a breccia and quartz-carbonate veining zone from 373.1' to 375.3' and 375.8' to 376.7' with local zones of tan to white, angular to oval "fragments" (some could also be feldspar phenocrysts possibly some porphyry dike material included in zone); these zones are chaotic-looking, variable, cut by quartz ± carbonate veinlets locally Local pale green colour (fuchsite?) from ~380' to ~382' Lower contact arbitrary, very gradational.	360'-365' 365'-367.8' 367.8'-369.6' 369.6'-373.1' 373.1'-375.3' 375.3'-376.7' 376.7'-382.4' 382.4'-385.2' 385.2'-390' 390'-395' 395'-400' 400'-405' 405'-410'	528 529 530 531 532 533 534 535 536 537 538 539 540

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
385.2'-481.2'	ALTERATION ZONE		
	Dark grey to light grey to tan-khaki chlorite ± sericite ± quartz ± carbonate schist; generally schistosity is about 70° to 90° to core axis, and very little folding seen (only small scale kink folds)		
	Local pale green zones consisting of possible apple green fuchsite in sericite schist.		
	About 50% to 80% quartz ± carbonate veinlets in the unit, as threadlike, parallel veinlets (along schistosity planes) or cross-cutting wider veinlets (up to ~1 inch)	410'-415'	541
		415'-420'	542
		420'-425'	543
		425'-430'	544
	Local patches of fine dusting of pyrite	430'-431.4'	545
	Local cross cutting black soft (Hall?) veinlets making drag folds in foliation.	431.4'-435'	546
		435'-440'	547
	Brecciated silicified zone from 430.6' to 431.4' similar to 373.1' to 375.3' etc.; no sulphides seen.	440'-445'	548
		445'-450'	549
	Tan-light green khaki colour from about 448' to 471'		
	Local breccia zones with tan-yellow angular looking "fragments" in a quartz matrix (e.g. ~449.5')		
	Quartz vein zones consisting of grey, sugary quartz veinlets and lenses between locally wispy sericitic host rock, parallel to schistosity (generally at about 80° to 90° to core axis); locally these quartz vein zones are cut by wide quartz veins, also usually parallel to schistosity; quartz vein zones as follows: from 450.0' to 451.0'; from 451.2' to 451.5' (brown, possibly porphyry or breccia zone, very hard with trace Cr pyrite crystals); from 451.5' to 451.8', a quartz vein with ~5% wispy host rock inclusions and some apple green areas possible fuchsite 5. 452.1' to 452.7'; 453' to 453.9', including a quartz vein to 453.2' and possible breccia near 453.4'; 454.5' to 455.8', quartz vein similar to 451.5' to 451.8'.	450'-451'	550
		451'-451.8'	551
		451.8'-452.7'	552
		452.7'-453.9'	553
		453.9'-455.8'	554
		455.8'-458'	555
		458'-461'	556
		461'-466'	557
	Local dark grey to dark greenish grey, possibly chloritic sections: 458' to 458.8'; 459.4' to 460.2'	466'-471'	558
		471'-476'	559
	From ~471', unit becomes progressively darker	476'-479.9'	560

DIAMOND DRILL LOG.

PROPERTY: HUNTER MINE HOLE NUMBER: U-11

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
385.2'-481.2'	ALTERATION ZONE (CON'T) with dark grey sections from 472.4' to 472.6'		
	Quartz vein zone from 479.9' to 480.6' with milky white to translucent quartz vein from 480.4' to 480.6'. Trace MX pyrite in host rock. Kirk microfolds near 478'	479.9'-481'	561
	Lower contact gradational and difficult to see because of quartz veining but indicated mainly by a change in colour of the host rock schist. (texture & structure of ^{two units} are very similar).		
481.2'-496.1'	MAFIC METAVOLCANIC FLOW(?) (CHLORITE SCHIST)	481'-486'	562
	Dark grey to dark greenish grey, schistose to foliated (st ~ 80° to 90° to core axis), chloritic schist with local kirk folds progressing to cross-cutting chlorite filled veinlets (similar to crosscutting talc veinlets in UM rocks) at about 75-80° to core axis	486'-491'	563
	From about 489.5' upward are zones containing FX disseminated black crystals of magnetite	491'-496.1'	564
	Lower contact appears to be sharp mainly recognized by a colour change. Foliation/contact at 90° to core axis		
496.1'-510.8'	ALTERATION ZONE (SERICITE-QUARTZ-CARBONATE-CHLORITE SCHIST)	496.1'-501'	565
	Similar to 385.2'-481.2'	501'-506'	566
	Local zones containing FX disseminated pyrite (locally along stringers parallel to foliation planes) and local (possible tourmaline or FX disseminated black crystals (rare).	506'-510.8'	567
	Local breccia zone in sericite schist: e.g. from 509.7' to 510.1' within chlorite schist, breccia zone is deformed & faulted but some fragments look like glass		

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
496.1-508.8	ALTERATION ZONE (CONT) shards, therefore it may be a hyaloclastite? Lower contact sharp, parallel to schistosity of alteration zone at ~ 85° to core axis		
510.8'-511.7'	QUARTZ-FELDSPAR PORPHYRY DIKE? Brown-khaki, very hard, siliceous MX to very FX possible QFP with quartz and possible stretched recrystallized milky white feldspar crystals; locally contains < 1% blbbs of chalcopyrite & pyrite disseminated throughout and local pyrite associated with randomly oriented milky white to translucent quartz spherulites up to 1/2" wide but generally threadlike; massive to foliated ~90° to core axis (stretching of phenocrysts) Lower contact sharp at ~ 80° to 85° to core axis, parallel to foliation/schistosity of next unit	510.8'-511.7'	568
511.7'-537.7'	TALC SCHIST Light grey with khaki tinge progressively becoming dark grey, schistose with quartz & carbonate veinlets and lenses parallel to schistosity planes; schistosity generally about 80° to core axis but local faulting or minor folding; unit has cross cutting talc-sericite? veinlets locally (e.g. at upper contact; at 526', but rare); unit has chaotic appearance due to variable amount of quartz & carbonate veining, which is most intense in these intervals: from 516.5' to 518.2', from 519.2' to 521.3' and from 530.4' to 531.9', with these quartz-carbonate veins containing about 50% veining. From ~526.5', unit is dark grey with local black talc-rich lenses or bands parallel to the schistosity; unit becomes softer down hole (barely scratched by general) Lower contact irregular but roughly at 50° to core axis (schistosity of talc schist bends to 50° from ~85° right at contact)	511.7'-516.2' CORE SAMPLE → 516.5'-518.2' 518.2'-521.3' 521.3'-526.5' 526.5'-530.4' 530.4'-531.9' 531.9'-537.7'	569 570 571 572 573 574 575

DIAMOND DRILL LOG.

PROPERTY: HUNTER HOLE NUMBER: U-11

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
537.7'-540.0'	<p>QUARTZ FELDSPAR PORPHYRY DIKE</p> <p>Pale pink siliceous material consisting of about 10% milky white, small (< 1/10" diameter) tabular to equant plagioclase crystals, randomly oriented in a cherty-looking pinkish matrix; also rare quartz phenocrysts < 1/10" diameter; the porphyry is cut by randomly oriented, threadlike, black veinlets possibly containing black hard tourmaline (amorphous, no needle crystals seen); locally, pyrite occurs as a thin coating on the tourmaline veinlets (or fractures?); about 1% black tourmaline veinlets.</p> <p>Lower contact is irregular but roughly 90° to core axis.</p>	537.7'-540'	576
540.0'-543.7'	<p>TALC SCHIST</p> <p>Similar to 531.9' to 537.7'; possibly slightly silicified because it is only slightly scratched by fingernail.</p> <p>Lower contact sharp at 60° to core axis, parallel to schistosity of talc schist (~90° up to ~6" from contact where it bends to contact)</p>	540'-543.7'	577
543.7'-553.3'	<p>INTERMEDIATE DIKE ?</p> <p>Grey to dark grey to locally light grey (bleached zones), fine-grained, to mottled, possible dike? of intermediate composition; about 1" of dark green-black chlorite at upper contact and about 1/4" at lower contact.</p> <p>Local silicified zones with bleached host rock along margins of narrow light grey quartz and milky white carbonate veinlets in a net pattern (randomly oriented, but seem to be connected); from ~543.8' to ~545.5'; from 549.4' to 550.7' with ~1/2" of massive chlorite similar to upper & lower contacts; from 550.9' to lower contact including at milky white quartz vein (~2" true width) from 550.9' to 551'</p> <p>Lower contact irregular, marked by quartz + carbonate veining. About 1% FX diosc in acid pyrite locally, especially in silicified zones</p>	<p>543.7'-545.5'</p> <p>545.5'-549.4'</p> <p>549.4'-553.3'</p>	<p>578</p> <p>579</p> <p>580</p>

DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: U-11

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
553.3'-558.8	TALC SCHIST Similar to 540.0' to 543.7' (similar hardness) Cross cutting talc veinlets at about 556', generally at about 50° to core axis cross cutting schistosity (generally at 80° to core axis) Lower contact appears sharp but is partially masked by a quartz vein	553.3'-558.8	581
558.8'-562.3	METASEDIMENTS Grey wacke, FX, grey with local minor black FX argillite beds; grey wacke locally contains up to 30% light grey carbonate ± quartz veinlets and lenses parallel to locally cross cutting foliation/bedding Local pyrrhotite and/or pyrite blebs disseminated or from 569.1' to 569.5' about 90% fragments? of pyrite with pyrrhotite between; rarely chalcopyrite also occurs as FX blebs From ~ 587' to lower contact, unit contains cross cutting veinlets of chlorite? forms drag folds Lower contact is indistinct. Can be located within ~ 1" by hardness of units, although metasediments probably contain some talc within ~ 2-3" of contact (scratched by fingernail)	558.8'-562.3	582
569.1'-569.5		569.1'-569.5	583
588.3'-616.0	TALC SCHIST (SOAPSTONE) Dark grey to black, very soft, soapy feeling unit consisting of alternating 1) FX, massive talc bands (black) 2) MX, grey talcose bands 3) light greenish-silvery talc bands, MX, possibly mixed with quartz ± carbonate; core breaks up into slabs in this unit. 1) ~ 55° to core axis Local cross cutting black talc veinlets; schistosity is generally at about 90° to core axis. Lower contact sharp at 90° to core axis.		

DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: U-11

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
616.0'-632.0'	<p>METASEDIMENTS</p> <p>Similar to 558.8'-588.3' except more argillite (only about 5% greywacke as very narrow beds less than 1" wide)</p> <p>From graded bedding, tops appear to be down hole from upper contact to ~ 623', then from ~ 626' to 627' tops appear to face uphole then from ~ 627' to ~ 629' the unit is folded in several places then at ~ 629' it appears that tops are again facing downhole.</p> <p>Coarse-grained light grey quartz and milky white carbonate veins occur from 628.7' to 629.1' and 630.1' to 631.3'. locally the vein has a yellow stain; trace MX pyrite seen along a contact.</p> <p>Minor faulting is seen near 629' (at ~ 629.5')</p> <p>6" grind at 600' tag.</p>		
		628.7'-630.1'	584
		630.1'-631.3'	585
	EOH		

DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: U-12

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
6'-4'	CASING		
4'-70'	TALC SCHIST (SOAPSTONE) Very soft dark grey-black with white-light green bands (silvery talc ± quartz ± carbonate); schistosity in very contorted, deformed. Poor core recovery, bad ground; 2' grind at 7' tag; 6' wash at 13' tag; 2' grind at 65' tag; Local cross cutting black talc veinlets. Possible brownish porphyry? or breccia zone from 37' to 38.5'. MX, massive; scratched by hammer but not by fingernail; local fragments seen; lower contact ground, upper contact masked by quartz-talc vein. Local light + grey-tan cherty looking bands parallel to schistosity, containing ~5% (locally) FMX pyrite (from ~65' to ~67', parallel to axis of core). Quartz + carbonate vein at 68.5' with CX pyrite cubes, vein < 1" wide. From 68.5' to lower contact core is harder (scratched by hammer, not fingernail) & material may be chloritic instead of talcose. Lower contact indistinct	65'-70'	586
70'-73.5'	INTERMEDIATE DIKE? 6" grind at 73' tag Dark grey to locally light grey (bleached? silicified?) FX, hard material, similar to intermediate dike in previous U-8 to U-11 holes. Chlorite veinlets between bleached host rock patches, about 2% FX to CX disseminated pyrite	70'-73.5'	587
73.5'	EOH Hole lost, rods sticking,		

SUMMARY LOG

PAGE 1 of 2

PROPERTY HUNTER MINE

HOLE NUMBER U-13

GRID REFERENCE 10515,

(GEOLOGY GRID)

TOWNSHIP WHITNEY CLAIM 1009

AZIMUTH 105° AZ DIP ANGLE -60°

DIAMOND DRILL LOG @ 100' - 54°

LENGTH = 471 FEET

105 SAMPLES

@ 200' - 54.5°

@ 300' - 54°

@ 400' - 55.5°

DRILLING COMPANY MORRISSETTE FOREMAN R. LAFON DIP TESTS:

CORE SIZE AQ

CORE STORED AT: SITE TAINE

LOGGED BY R. BALD

DATE MARCH 21/88

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0'-6'	CASING		
6'-43.3'	TALC SCHIST (SOAPSTONE)		
43.3'-45.6'	INTERMEDIATE DIKE?		
45.6'-49.8'	TALC SCHIST (SOAPSTONE)		
49.8'-53.4'	INTERMEDIATE DIKE?		
53.4'-56.7'	TALC SCHIST (SOAPSTONE)		
56.7'-64.1'	INTERMEDIATE DIKE? Silicified Zone: 61.5' to 62.1'		
64.1'-104.5'	TALC SCHIST (SOAPSTONE) Feldspar Porphyry(?): 90.2' to 90.8'; 93.2' to 94.7' QVZ: 100.7' to 100.9'		
104.5'-386.6'	ALTERATION ZONE Breccia Zones: 110.7' to 113.2'; 114.9' to 115.2'; 117.5' to 117.6'; 132.8' to 133.7'; 139.9' to 141.7'; 169.6' to 170'; 179.6' to 180.1'; 187.7' to 188.7'; 198.2' to 199.2', cp; 211.1' to 212.3'; 286.0' to 286.2'; 293.2' to 293.3'; 303.2' to 310.0'; 318.7' to 320.1' QVZones: 113.2' to 113.4'; 119.8' to 120.1'; 213.1' to 213.3'; 275.3' to 275.8'; 277.1' to 278.7'; 290.3' to 290.9'; 291.5' to 292.7'; 304.7' to 305.5'; 306.6' to 312.7'; 313.5' to 314.7'; 316.6' to 320.5'; 323' to 328.1'; 330.3' to 332.9'; 333.7' to 334.3'; 354.6' to 354.9'		

DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: U-13

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0'-6'	CASING		
6'-43.3'	TALC SCHIST (SOAPSTONE) Dark grey to black with white blobs and parallel veinlets very soft (scratched by fingernail); foliated to schistose, variable direction (from 90° to 40° to core axis) local quartz ± carbonate ± silvery light green talc veinlets and pods and also some black. Ex massive talc bands/veinlets parallel to schistosity; rare cross cutting black talc veinlets. 4' wash at 11' tag 16' wash at 20' tag Lower contact sharp but somewhat masked by quartz veining at 45° to core axis parallel to schistosity of talc schist; next unit is silicified within ~3" of contact		
43.3'-45.6'	INTERMEDIATE DIKE? Dark to medium grey, massive to moderately foliated, harder than talc schist (slightly scratched by hammer); containing local light grey to white silicified zones (not scratched by knife; silicified zones commonly carry up to ~2% Fe ²⁺ disseminated pyrite; about 15% - 25% silicified material in this dike(?) Lower contact masked by quartz veining and talc veining(?)		
45.6'-49.8'	TALC SCHIST (SOAPSTONE) Similar to 6'-43.3' with local grey to slightly more cherty looking bands generally parallel to schistosity (in this case, somewhat deformed) Lower contact sharp at 50° to core axis parallel to schistosity of talc schist & to foliation of next unit which is silicified within 1/2" of contact		

DIAMOND DRILL LOG.

PROPERTY: HUNTER MINEHOLE NUMBER: U-13

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
49.8'-53.4'	INTERMEDIATE DIKE? Similar to 43.3'-45.6'; foliation variable from $\sim 75^\circ$ to $\sim 40^\circ$ to core axis Lower contact sharp at 45° to core axis, intermediate dike silicified within $\sim 2"$ of contact.		
53.4'-56.7'	TALC SCHIST (SOAPSTONE) Similar to 6'-43.3'; with 1" wide cherty-looking band at upper contact, containing trace FX pyrite; common talc veinlets, cross cutting schistosity, but randomly oriented; unit here is deformed, folded, some minor faulting Lower contact somewhat masked by $> 1/4"$ dark green talc veinlet but next unit is sharp at $\sim 70^\circ$ to core axis, silicified within $\sim 1"$ of contact.		
56.7'-64.1'	INTERMEDIATE DIKE? Similar to 43.3'-45.6'; about 75% silicified with a possible grey-milky white $\sim 1.5"$ wide quartz vein? at $\sim 61'$ and an intensely silicified zone containing about 3% FMX disseminated pyrite from 61.5' to 62.1'	61.5'-62.1'	588
	Lower contact $\sim 40^\circ$ to core axis, very dark grey within 1" of contact, parallel to schistosity of next unit.		
64.1'-104.5'	TALC SCHIST (SOAPSTONE) Similar to 6'-43.3'; some folding at $\sim 78'$; local cherty looking bands with FX pyrite as disseminated crystals or along schistosity bedding planes. Possible grey MX, foliated feldspar porphyry units from 90.2' to 90.8' and 93.2' to $\sim 94.7'$, moderately soft (not scratched by fingernail), and contain only $\sim 5\%$ Quartz \pm Calcite		

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
34.1'-104.5'	TALC SCHIST (SOAPSTONE) veinlets; also colour is lighter than dark grey-black colour of talc schist Quartz vein zone from 100.7' to 100.9'; lower contact gradational		
104.5'-386.6'	ALTERATION ZONE Similar to talc schist but becoming increasingly khaki coloured Tan coloured, cherty-looking band from 105.7' to 105.8' containing <1% FX disseminated pyrite; similar cherty-looking FX band from 106.1' to 106.4' containing ~2% FX disseminated pyrite and trace chalcocopyrite; cherty looking bands have sharp contacts, parallel to foliation of host rock at about 80° to core axis. Breccia zones from 110.7' to 113.2'; 114.9' to 115.2'; 117.5' to 117.6' and 132.8' to 133.7'; these consist of yellow-cherty looking to white to light grey cherty-looking fragments (angular to rounded) randomly oriented to locally slightly stretched at about 70° to 80° to core axis. unit is hard (locally scratched by knife), silicified, cut by at least two generations of quartz veining; a light grey to milky white cherty-looking randomly oriented set of veinlets less than 1" wide, generally <1/4" wide and younger randomly oriented CX milky white to translucent quartz veins with milky white MX carbonate crystals along vein margins, veins up to ~1" but generally about 1/2" wide (from 113.2' to 113.4' is a light grey-brownish cherty-looking quartz vein); locally in these breccia zones, host rock is dark green (chlorite?); also locally fragments appear to be zoned with reaction rims; locally breccia zones are almost totally obliterated by younger milky white quartz + carbonate veining Schist is very chloritic, dark green, from 117.6' to 119.2' and 119.6' to 119.8' Local light grey-buff coloured possibly carbonated(?) zones: from 119.2' to 119.6', 127.1' to 128.1', 128.9' to 129.8'; also local (possibly silicified/bleached zones) also	105.7'-106.4' 106.4'-110.7' 110.7'-113.4' 113.4'-114.9' 114.9'-117.5' 117.5'-120.1' 120.1'-124.0' 124.0'-127.1' 127.1'-129.8' 129.8'-132.8' 132.8'-133.7' 133.7'-136.0' 136.0'-139.9' 139.9'-141.7' 141.7'-146.0' 146.0'-151.0' 151.0'-156.0' 156.0'-157.3' 157.3'-162.0' 162.0'-166.0' 166.0'-169.6' 169.6'-172.7'	589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610

DIAMOND DRILL LOG.

PROPERTY: HUNTER MINE HOLE NUMBER: U-13

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
1045-386.6	ALTERATION ZONE (CON'T)		
	From 119.8' to 120.1' : tan to light grey to milky white quartz vein zone with about 10% brown host rock inclusions.		
	Local silicified-bleached and carbonatized-bleached sections, commonly massive to slightly foliated.		
	Also local dark grey to brown, hard, quartz? veinlets, randomly oriented, locally associated with breccia zones.		
	From 139.9' to 141.7' : Breccia zone similar to 107' to 113.2', etc.; also very narrow breccia zones at 145', 146.1', 155.5', 161', 162.5', 163.7', 169.6' to 170', containing FMX pyrite along foliation planes.		
	CX pyrite in chlorite rich band near 142'		
	Local FX-MX disseminated pyrite from ~ 142' onwards.		
	Near 146' & 147' are chlorite rich bands with sharp contacts on downhole side and gradational contacts on uphole side, possible $1/2''$ wide tuff bands?? or alteration effect??		
	Medium-grained green unit with possible very small fragments? near 149.7', possible mafic tuff? or?		
	Bleached-tan zone from 151.3' to 151.5' with ~1% FX disseminated pyrite.		
	Dark grey, narrow ($1/4''$) quartz veinlets at 135.1', 153', 155.1', 155.5' (near bleached breccia).		
	Silicified zone from 157.0' to 157.3'		
	Kink folding (mirror) near 162'		
	Silicified (white), brecciated zone near 165.5', with ~2% MX pyrite in between "fragments"		
	From 172.7' to 179.8' : chlorite-rich, dark green with local breccia zones	172.7-177.0	611
	Breccia zones: from 179.6' to 180.1', at 181.6', at 184.7', from 187.7' to 188.7', at 192.10', at 195.4', from 198.2' to 199.2' (with trace chalcopryite? and strongly silicified brownish section from 199.2'-199.6')	177.0-179.8	612
		179.8-184.7	613
		184.7-187.7	614
		187.7-188.7	615

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
104.5'-386.6'	ALTERATION ZONE (CON'T)		
	Local tan, FX, cherty-looking zone (possibly silicified bleached zone) containing up to ~3% FMX disseminated pyrite, also pyrite along crosscutting veinlets.	188.7'-191'	616
	Local dark grey quartz veinlets, similar to 135.1' at 192.7', at 193.1', at 197.0',	191'-193.1'	617
	From ~196' local apple-greens to khaki-green spots within host rock (possible fuchsite? (possibly within sericitic host rock); from here (196') also unit is mainly SERICITE-QUARTZ-CARBONATE SCHIST, schistosity at ~191' is 60° to core axis	193.1'-196'	618
	at ~206' is 45° to core axis (varies from ~80° to 40° to core axis)	196'-198.2'	619
	Sericite schist is folded (kink) locally; at 202.8' is a folded blob of pyrite (parallel to folding of schistosity).	198.2'-199.6'	620
	Locally in sericite schist are very narrow (< 1/4") dark brown, hard veinlets, parallel or crosscutting schistosity.	199.6'-203'	621
	Possible tourmaline associated with bright yellow fragments in breccia cut by milky white quartz + carbonate vein from 211.1' to 212.3'	203'-206'	622
	Quartz + carbonate vein ~ 2" wide at 213.1' to 213.3' about 90° to core axis	206'-211.1'	623
	Possible black ribbons (parallel to schistosity) of tourmaline at 214.4'	211.1'-212.3'	624
	Finely laminated (possible tuff?) cherty-looking zone from 216.4' to 219.3' consisting of dark grey to tan to light grey bands, delicately laminated and locally kink folded with a more massive, uniformly tan coloured, cherty-looking zone from 217.3' to 218.1'; the entire unit contains local CX-MX pyrite blebs and aggregates.	212.3'-213.3'	625
	From ~216' onwards, schistosity is only slightly variable, generally about 80° to 90° to core axis.	213.3'-214.4'	626
		214.4'-216.4'	627
		216.4'-219.3'	628
		219.3'-223'	629
		223'-226'	630
		226'-229'	631
		229'-231'	

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
~104.5'-386.4'	ALTERATION ZONE (CONIT)		
	Local dark grey zones within light green-fuch-	231'-236'	632
	site(?) rich sericite schist. most of these dark	236'-240.5'	633
	grey zones appear finely laminated with alterna-	240.5'-244'	634
	ting quartz bands of khaki coloured sericite bands and carbo-	244'-248.3'	635
	note bands some grey zones: from ~231' to ~240.5',	248.3'-251'	636
	from 242' to 244'; from ~248.3' to ~254' and 255.5' to 257',	251'-254'	637
	At ~257' to ~258' are local cross-cutting micro	254'-257'	638
	faults (drag folds) similar to cross-cutting talc	257'-260.4'	639
	veinlets in gald schist.		
	From ~260.4' to ~266.5': mainly massive, MX	260.4'-262.0'	640
	unit containing about 20% black FX dissemina-	262.0'-266.5'	641
	ted crystals (possibly tourmaline?), very small	266.5'-270'	642
	equant, from 262.0' to 266.5'; unit is cut by a bent	270'-272'	643
	20-30% grey to translucent quartz veinlets, randomly	272'-275.3'	644
	oriented. in general, unit has khaki-brownish	275.3'-275.8'	645
	colour with black-blue spots	275.8'-277.1'	646
	Between 272' and 280' tags: 10 feet of core (not	277.1'-278.7'	647
	8 feet)	278.7'-281'	648
	Local zones containing parallel and/or cross-	281'-285'	649
	cutting quartz veinlets (grey to milky white); from 275.3'	285'-290.3'	650
	to 275.8'; 277.1' to 278.7'; 290.3' to 290.9'; 291.5' to 292.7'; trace pyrite	290.3'-292.7'	651
	Dark brown, hard breccia with tan to yellow	292.7'-296.9'	652
	fragments, irregular shaped zone from 286.0' to 286.2';	SAMPLE	
	also from 293.2' to 293.3'	297.3'-300'	653
	From 303.2' to ~310.0': Breccia with local	300'-303.2'	654
	apple green fragments, massive cut by quartz	303.2'-304.7'	655
	veinlets, almost parallel to core axis, quartz	304.7'-308'	656
	vein zones from 304.7' to 305.5'; 306.6' to 312.7'. local	308'-310'	657
	apple green to bluish green spots in quartz veins, milky	310'-312.7'	658
	white CX quartz with MCX carbonate (milky) white along vein	312.7'-314.7'	659
	massing (almost 6" of solid quartz + carbonate from 307.5'	314.7'-318.7'	660
	to 308', then possible ground core? for about 4", then	318.7'-320.1'	661
	another ~3" of solid quartz-carbonate)	320.1'-323'	662
	Quartz vein zones similar to 275.3' to 275.8'; from 313.5'	323'-325'	663
	to 314.7'; from 316.6' to 320.5' including a breccia zone from	325'-328.1'	664

DIAMOND DRILL LOG. PROPERTY: HUNTER MINE HOLE NUMBER: U-13

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
1045'-386.6'	ALTERATION ZONE (CON'T)		
	318.7' to 320.1' brown FX ^{hd} matrix with khaki to white to ^{milky} yellow fragments generally brownish khaki colour; quartz vein	328.1'-330.3'	665
	zone also from 323' to 328.1' containing local pale green ("pasted green") quartz veins, zone contains	330.3'-332.9'	666
	about 25% quartz veins with local dark grey veinlets	332.9'-334.3'	667
	<1/4" wide at 324.4' 325.5' and 328.7'; quartz vein zones	334.3'-338.5'	668
	from 330.3' to 332.9' (grey 1/4" quartz vein at 331.4') and	338.5'-340.4'	669
	from 333.7' to 334.3'; from 354.6' to 354.9'	340.4'-341.3'	670
	Cherty looking, very thin (<1/2" wide) brownish-dark	341.3'-343.5'	671
	brown/black and buff coloured quartz veinlets with	343.5'-344.1'	672
	associated brecciation along vein margins, running	344.1'-349'	673
	almost along core axis (somewhat irregular) from	349'-350'	674
	340.4' to 340.3'; 343.5' to 344.1', and at 349.7'; trace	350'-355'	675
	FX pyrite in host rock near veins.	355'-360'	676
	Breccia at 347.3' and at 360.1'	360'-365'	677
	Tan coloured, FX cherty-looking unit from 367.1' to 367.3'	365'-370'	678
	contacts sharp at ~90° to core axis, cut by threadlike	370'-375'	679
	grey quartz-carbonate randomly oriented veinlets;	375'-380'	680
	also narrower bands near 370.5'	380'-384.1'	681
	Quartz veins at 369.7' to 369.8', milky white trans-		
	lucent; similar vein near 376'		
	Kink folding near 375'		
	Black to dark brown veins(?) of hard material	384.1'-384.8'	682
	(possible tourmaline?) in a mosaic-like pattern	384.8'-386.6'	683
	with light grey carbonate between dark "fragments"		
	occurs in vein-like irregular locally bifurca-		
	ting zones from 384.1' to 384.8' (maximum width		
	~2 inches)		
	Foliation/schistosity is regular at ~90° to core axis		
	Lower contact possibly occupied by FX		
	breccia? or mylonite? with local quartz eyes		
	in a FX fragmental-looking matrix (breccia?)		
	from 386.3' to 386.6', both contacts are fairly		
	sharp at ~90° to core axis, cut off half veinlets		
	in next unit, and cross cuts schistosity of next unit slightly)		

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
386.6'-409.4'	CARBONATE-TALC-QUARTZ SCHIST (ULTRAMAFIC?) Light grey to light greenish grey to khaki consisting of up to 80% light grey carbonate veinlets, pods and lenses, roughly parallel to each other & schistosity planes (schistosity is variable from ~90° to rarely 0° to core axis, locally folded, etc) carbonate bands occur between talc-rich host rock generally FX to MX containing local blebs of pyrite; unit is cross' cut by randomly oriented milky white-translucent to light greenish quartz veinlets & veins (up to ~3" true width, from 391.3' to 391.6'); unit is soft, slightly scratched by fingernail	386.6'-390' 390'-391.6'	684 685
	Lower contact sharp at 50° to core axis, inter-fingered with next unit for ~1/2"	391.6'-395' 395'-400' 400'-405' 405'-409.4'	686 687 688 689
409.4'-410'	QUARTZ FELDSPAR PORPHYRY Very siliceous light grey FX porphyry containing ~15% milky white very fine-grained feldspar crystals in a cherty-looking light grey matrix containing ~2% black FX crystals of possible tourmaline? locally elongated parallel to each other or along veinlets (thor's like); unit is cut by randomly oriented pinkish feldspar + glassy quartz veinlets; trace FX disseminated pyrite.	409.4'-410'	690
	Lower contact ground, probably masked by quartz veining in next unit; near contact, black crystals are aligned parallel to possible contact, at 65° to core axis.		
410'-416.4'	CARBONATE-TALC-QUARTZ SCHIST (ULTRAMAFIC?) Similar to 386.6'-409.4' Quartz vein zone from upper contact to 411.2', milky white to translucent quartz with host rock inclusions. Amount of carbonate lenses/pods decrease to	410'-411.2' 411.2'-414'	691 692

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
410'-416.4'	<p>C-T-Q SCHIST (UM?) (CONIT)</p> <p>~50%; local, rare bright green zone (fuchsite?)</p> <p>lower contact sharp at 80° to core axis, parallel to banding/foliation of next unit, cross cutting C-T-Q schist.</p>		
416.4'-417.6'	<p>METASEDIMENTS(?)</p> <p>Finely banded black to dark grey to white ^(carbonate) unit, hard (not scratched by fingernail but scratched by knife); foliation/banding is regular at ~75-80° throughout unit; some foliation planes may be slightly graphitic.</p> <p>Lower contact sharp at 75° to core axis, parallel to foliation/banding of this unit but cross-cutting schistosity of next unit.</p>		
417.6'-447.2'	<p>TALC SCHIST</p> <p>Black and white and grey, banded unit, very soft (scratched by fingernail); banding/schistosity varies from 90° to 0° to core axis; folding & minor faulting with local but rare crosscutting black talc veinlets.</p> <p>Lower contact sharp at 60° to core axis, parallel to schistosity of talc schist.</p>		
447.2'-448.2'	<p>INTERMEDIATE DIKE</p> <p>Massive to locally slightly foliated, dark grey ^{hard (scratched by knife)} Ex intermediate (?) dike (?) with local bleached & silicified zones with ~1% MX pyrite associated with narrow quartz veinlets, randomly oriented, abund 90° to core axis, is chloritic, masked by quartz veining, but appears to cross-cut schistosity of next unit.</p>		

(RELOG#101) SUMMARY LOG

PAGE 1 of 1

DIAMOND DRILL LOG. PROPERTY: HUNTER

HOLE NUMBER: HS-95-01

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS	
0-55'	OVERBURDEN		Au 23/ton	
55-75'	TALC SCHIST QVZ: 62' to 63'			
75-188.5'	ALTERATION ZONE Bx: 85.0'-85.3'; 88.5'; 92.0'-92.3'; 124.6'; 125.8' to 126.7'; 126.7' to 143' (with Q. Veining); 172.5' to 173'; Q.F.P.?: 87' to 88.5'; 92.0' to 93.5'; 123.7' to 126.7'; 166.0' to 167.5'; 173.0' to 175.0'; QVZ: 96' to 107' (ladder veins?); Fuchsite: 145.5' to 166' FAULT ZONE(?): 180' to 183' Sericite schist: 183' to 188.5'; 196' to 213.0'	126-129' 129-132'	0.02% 0.010	12872 12873
188.5-251.8'	METASEDIMENTS Greywacke & argillite			
251.8-311.2'	TALC SCHIST			
311.2-536'	METASEDIMENTS Greywacke + argillite Silicified zones: 311.2' to 311.6'; 315.2' to 318.1'; 441-475' (locally bleached) Felsic (rhyolite) lapilli tuff? or siliceous greywacke: 472.5' to EOH			
536'	EOH this sample is still in the core → box, not split but a nil result for it has been repeated on the log. R.B.	465-469'		

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(LOSSING) SUMMARY LOG

DIAMOND DRILL LOG. PROPERTY: HUNTER

HOLE NUMBER: HS-85-02

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS	
			Au	
0'-36'	OVERBURDEN			
36'-119'	TALC SCHIST			
119'-246.3'	ALTERATION ZONE (?) 130.7' to 131.0'; BX: 121.5' to 122.5'; 123.7' to 124.3'; 151.8' to 162.3'; 169.5'; 189.4' to 189.8'; 192.0' to 192.2'; 193.8' to 195.2'; 207.9' to 209.7'; 229' to 246.3'; Q.F.P. ("Brooksite"): 129.6' to 130.8' (including Q.V. 130.2' to 130.7'); Q.V.Z: 132'; 201' to 201.5' (with tourmaline); 234'-235.6'; 236.8'-238'; Q.F.P.: 157' to 157.5'; 160.9' to 161.5'; 197.2'	160'-165'	0.010	30091
		203'-206'	0.030	30100
246.3'-249.7'	TALC SCHIST			
249.7'-307'	ALTERATION ZONE BX: 249.7' to 251.2'; 255.3' to 256.0'; 288.5'; 291'			
307'-355.6'	METASEDIMENTS			
355.6'-358.1'	TALC SCHIST			
358.1'-359.7'	METASEDIMENTS			
359.7'-449.3'	TALC SCHIST BX: 366.5' to 372.5' (OR FAULT ZONE); 424.5' to 426.0'; 426.7' to 427.8'			
449.3'-656'	METASEDIMENTS QVZ (bleached): 504.2' to 504.7'; 515.4' to 517.5'; 518.2' to 519.1'; 504.2' to 504.7'; 581.5' to 582.3'; 578.9' to 579.4' (not bleached); 587' to 588.3' (not bleached); 650' to 651'; 652' to 652.7'			
656'	EOH			

Roberta Bald

(RELOGGING) SUMMARY LOG

PAGE 1 of 2

DIAMOND DRILL LOG. PROPERTY: HUNTER

HOLE NUMBER: HS-86-09

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS Au oz/ton
0'-227'	CASING		
227'-352'	SOAPSTONE QVZ: 342' - ~350.5'		
352'-415.5'	TALC SCHIST Bx(?): 404.3' - 405'	415.3'-418.0'	0.010 30196
415.5'-425.5'	INTERMEDIATE DIKE?		
425.5'-429.5'	TALC SCHIST		
429.5'-440.2'	INTERMEDIATE DIKE?		
440.2'-452.0'	TALC SCHIST		
452.0'-453.5'	INTERMEDIATE DIKE?		
453.5'-461.0'	TALC SCHIST QFP? or "Brooksite"? : ~456.0' - ~456.2'		
461.0'-528'	ALTERATION ZONE QFP: 478.5' - 478.9'; Q.V.'s: 479.3'; 483.9' to 484.2'; 489.8'; 493'; 494'; Bx: 514.3' - 521.5'; 527' - 528';	461'-463.7' 0.010 30008 463.7'-464.5' 0.010 30009 464.5'-467.5' 0.015 30010 467.5'-469.5' 0.015 30011 469.5'-470.7' 0.010 30012	
528'-532.7'	QUARTZ FELDSPAR PORPHYRY		
532.7'-705.7'	ALTERATION ZONE Bx: 532.7' - ~556'; ~582.5' - ~584'; 599' - ~607'; ~619' - ~624'; QVZ: 587.2' - 588.3'; 594' - 596'; 607.5' - ~611'; 618' - 619'; ~635' - 489' - 490.3'; 636.5'; 636.8' - 638.8'; 647' - 652';	483.7'-484.2' 0.07 30019 484.2'-486' 0.045 30020 486'-489' 0.01 30021 489'-490.3' 0.15 30022 490.3'-492.5' 0.035 30023 492.5'-494.3' 0.025 30024 494.3'-499' 0.010 30025	
705.7'-742.8'	TALC SCHIST Bx: 708.2' - 708.3'; 708.4' - 709'; QVZ: 724.9' - 726.3'; 732' - 734.1';		

Roberta Bald

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0'-172'	CASING (8' of water, mud and till to bedrock)		
172'-378'	SOAPSTONE		
378'-413.4'	TALC SCHIST Bx: 412'-413.4'		
413.4'-422.3'	CHLORITE-AMPHIBOLE ROCK (METAVOLCANIC) Bx: 420'-422.3'		
422.3'-502.1'	TALC SCHIST Bx: 424.5'-425.7'; 491.5'-494.2'; 497.9'-498.2'; QV? or QFP.? : 434.5'; 448-448.4'; 448.7'-449.1'; 501.2'-501.6'; QVZ: 449.5'-450'; 451.5'; 496.1'-496.7'; "Brooksite" bands: 474'; 495.8' QV: 492.3'-492.8'		
502.1'-510'	CHLORITE SCHIST (METAVOLCANIC?)		
510'-514.9'	QUARTZ FELDSPAR PORPHYRY OR FELSIC INTRUSION Bx: 514'-514.9'		
514.9'-614.3'	ALTERATION ZONE Bx: 514.9'-524'; 526'-531'; QV: 582.3' (brownish < 1/2") QVZ: 587'-588'; 594'-599.5'; 604'-609';		
614.3'-654.1'	CHLORITE SCHIST		
654.1'-663'	ALTERATION ZONE		
663'-702.7'	TALC SCHIST QVZ: 670'-671'; Bx: 690.7'-691.3'; QFP: 691.3'-691.7'; QV: 701.9'		

Robert Bald

DIAMOND DRILL LOG. PROPERTY: HUNTER

HOLE NUMBER: HS-86-14

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS	
			As	g/ton
0'-270'	OVERBURDEN			
270'-490.7'	SOAPSTONE / TALC SCHIST Soapstone with local poss. amygdules, or variscles and possi- ble pillow margins? from 270' to ~ 305' Bx: 315' to 322' Talc schist: 347.5' to 490.7' Intermediate dike unit (?): 414.5' to 447.9' Q.V.Z: 462.5' to 463.0'	447.9'-449.9'	0.028 0.043	3044.8
490.7'-505.2'	ALTERATION ZONE Bx: ~498' to 500'	493.5'-495.8'	0.057	30451
505.2'-514.5'	QUARTZ FELDSPAR PORPHYRY			
514.5'-516.6'	ALTERATION ZONE Bx: 514.5' to 515.3'			
516.6'-518.0'	QUARTZ FELDSPAR PORPHYRY			
518.0'-554.7'	ALTERATION ZONE Bx: 518.0' to 521.5'; 523.5' to 526.5' (with short section of QFP or Q.V.); 533.0' to 534.0' QFP: 528' to 528.5'			
554.7'-563.0'	(QUARTZ?) FELDSPAR PORPHYRY			
563.0'-703.5'	ALTERATION ZONE Bx: 563.0' to 564.5'; 567.0' to 568.5'; 572'; 573.5'; 574.2'; 576.0'; 576.8'; 592.2' to 604.5'; 607' to 609'; Sericite schist: 574' to 592'; 599.5' to 605' QVZ: 609.5' to 610.5'; 633.3' to 637.5'; 655.9' to 656.5'; 699.4' to 699.6'	574.5'-577.0' 571.0'-580.5'	0.258 0.018	30474 30475
		602.3'-604.0'	0.040	30483
		652.0'-655.9'	0.012	30497
703.5'-743.9'	TALC SCHIST QVZ: 714.5'; 723' to 724.4'; 728' to 728.8'; 734.8'-735.4'	655.9'-656.8'	0.052	30498

Robert Bull

(RELOGGING) SUMMARY LOG

PAGE 1 of 1

DIAMOND DRILL LOG. PROPERTY: HUNTER

HOLE NUMBER: HS-86-15

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0'-256'	CASING (TRICONED THROUGH SOAPSTONE)		As 3/10
256'-469.5'	TALC SCHIST (SOAPSTONE) Bleached Q.V's: 432' to 439' (possible "Intermediate dike unit")		
469.5'-723'	ALTERATION ZONE BX: 471.2'; 477.5' to 477.9'; 480.9' to 482.2'; 483'; 493.3' to 495'; 497.9'; 502.2' to 503.8'; 513.9'; 515.5'; 516.8'; 517.1' to 519.2'; 536.2' to 536.5'; 537.0' to 565.3'; 567.5'; 643' to 647'; 649' to 652.4'; 655.6' to 658.9'; 661' to 662.3'; 664.3' to 665.2'; ~669'	472'-475.3'	0.749 ^{VG} 30507
	"Brookside" vein: 475.3' to 476.2'	482.3'-487.0'	0.016 ^{VG} 30512
	QCV: 483.5'	513.0'-517.0'	0.029 30517
	V.G.: 486.1' somewhere from 472.0' to 475.3' (A. Brooks; could not find any); 563.3' (NO LONGER IN BOX → E. DAVIS)	517.0'-522.0'	0.039 30518
	QVZ: 486.1' to 486.2'; 495.6' to 496.1'; 600.8' to 601.0'; 666.3' to 666.8'	563.0'-563.5'	0.089 ^{VG} 30531
	QV: 659.5'; 664.1'; 684.5' to 684.9'	565.3'-568.0'	0.011 30534
	QFP: 475.3' to 476.2' (? "BROOKSIDE"?); 555.4' to 564.0'; 565.0' to 565.3'; 686' to 689.5' (or felsic fragmental?);		
723'-795'	TALC SCHIST QV: 737.3'; 739.5'		
	QVZ: 737.7' to 738.6'; 741.8' to 744' (QFP? 743'-743.2'); QFP: (?) 746.0' to 747.3'		
	BX: 747.3' to 749.5'		
	METASEDIMENTS(?) : 758.4' to 760.7'		
795'-847'	METASEDIMENT		
847'	EOH		

Robert Bald

DIAMOND DRILL LOG. PROPERTY: HUNTER

HOLE NUMBER: HS-86-16

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS Au g/t / gm
0'-210'	OVERBURDEN		
210'-255'	CASING (TRICONED SOAPSTONE; POOR GROUND CONDITIONS)		
255'-395.5'	SOAPSTONE / TALC SCHIST		
	Bx: 360.3'	357.9'-363.2'	0.092 30600
	QVZ: 363.4' to 364.2' (V.G.); 365.7' to 366.0'; 392.5' to 392.8' (with ankerite)	363.2'-365.0'	1.129 ^g 30601
	QFP: 365.7' to 372.2' (sheared?)	365.7'-368.5'	0.013 30603
		368.5'-372.2'	1.299 ^g 30604
395.5'-418.3'	ALTERATION ZONE:		
	Bx: 398'; ~402' to 406.8'; 408.7' to 413.9'	394.5'-397.5'	0.011 30606
	QFP OR QV: 403.9'; 416.7' to 411.2'; 417' to 418.3'		
	QV: 406.5' to 406.7'		
418.3'-480'	CHLORITE SCHIST		
	Locally contains magnetite (possible) iron thalcosite?		
480'-639.5'	ALTERATION ZONE		
	QFP: 485.4' to 487.3'; 530.9' to 536.1' (poss. felsic fragmental); 637.8' to 639.0'		
	Fuchsite: 487.3' to ~487.6'		
	Bx: 494.6' to 501.2'; 511.5'; 625.0'; ~631.5'	497.3'-499.3'	0.0064 30625
	QV: 500.7' to 501.2' (V.G.); 526.8' to 527.3'; 568.6'; 576.9' to 577.9'; Silicification + bleaching in chlorite schist locally from ~480' to ~494.6'	500.7'-501.2'	0.057 ^g 30627
	Chloritic: 527.3' to 530.9'	501.2'-502.8'	0.017 30628
		502.8'-505.2'	0.013 30629
639.5'-658.2'	TALC SCHIST		
	QVZ: 645' to 656.5'		
658.2'-659.2'	METASEDIMENT		
659.2'-720.4'	TALC SCHIST		
720.4'-922.0'	METASEDIMENT		
	Q.V: 908.1' to 909.4'; 912.5' to 913.1'		
922.0'	EOH		

Roberta Ball

(KELOGGING)

DIAMOND DRILL LOG.

PROPERTY: HUNTER

HOLE NUMBER: HS-86-19

PAGE 1 of 1

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS	
			Au	oz/ton
0'-124'	OVERBURDEN			
124'-187'	CASING (TRICONED THROUGH SOAPSTONE)			
187'-329.5'	SOAPSTONE Possible fault zone?			
329.5'-441.5'	TALC SCHIST QFP? : 350.7' to 351.7'; 358.8' - 362.3'; 373.7' to 377.3'; QVZ : 394.5' to 398.2'; 415.7' to 417.8' "Brooksite" veinlets: from 398.2' to 399.2'			
441.5'-554'	ALTERATION ZONE BX: ~459' - ~485'; ~487.5' - 493.5'; 506.4' - 506.9'; 513' - 524.5'; ~532' - ~533.5'; ~544' - 544.9'; QVZ: ~464.5' - 465.5'; 469.2' - 470.5'; 475.5' - 476.0'; 484' - 485'; 515.5' - 517.2'; 520.5' - ~522'; 523.5' - 524.3'; ~530.8' - 532.5'; Q.V.: 474.8' - 475.1'; 478.8' - 479.3'; ~540.8'; QFP: ~542.2' - 542.5'; 544.9' - 545.4';	443.5'-448.0' 448.0'-450.7' 450.7'-454.0' 480.2'-485.0' 485.0'-487.0' 487.0'-490.5' 490.5'-493.5'	0.014 0.014 0.005 0.030 0.007 0.004 0.005	30748 30749 30750 30759 30760 30761 30762
554'-660.2'	TALC-(CHLORITE) SCHIST Fault gouge: 602.5'	499.5'-504.0'	0.010	30765
660.2'-734'	METASEDIMENTS QVZ: 707'-734'			
734'	E.O.H.			

Roberta Bald

(RELOGGING) SUMMARY LOG

DIAMOND DRILL LOG. PROPERTY: HUNTER

HOLE NUMBER: HS-86-20

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0'-210'	CASING		
210'-227'	SOAPSTONE		
227'-298'	FELDSPAR PORPHYRY		
298'-301'	SOAPSTONE		
301'-~508'	TALC SCHIST		
	Intermediate dike? with silicified veinlets: 399.7' to 401.3'; 403.7'-405.7'; 414.5'-415.0'; 417.3'-418.5'; 423-423.7'. Bx: 485.2'-486.9'; ~492'-~495'; 509'-~511';		
~508'-637'	ALTERATION ZONE		
	Bx: ~532'-537'; 576.8'-~578'; 584.3'-587'; 597.5'-606.6' VG: (seen by A. Brooks) 6 specks between 584.3'-586.5'		
637'	EOH (HOLE ABANDONED, RODS STUCK)		

Roberta Bald

SUMMARY-REINTERPRETED (R. Bald) DRILLING

PAGE 1 of 1

DIAMOND DRILL LOG. PROPERTY:

HOLE NUMBER: 44-85-2

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0-19.1'	TALC SCHIST (ULTRAMAFIC?)		
19.1'-34.5'	INTERMEDIATE DIKE? Silicified (also 36.1'-37.9'; 42.2'-43.3')		
34.5'-67.3'	TALC SCHIST (ULTRAMAFIC?) QV Zone: 56.8' to 60.0'		
67.3'-110.0'	ALTERATION ZONE (CHLORITIC) Breccia Zones?: 68.3 - 69.2'; 72.9' to 73.4'; at 74.2'; at 76.5'; 101.3' to 104.5' QV: 76.8' to 77.0'; 78.3' to 79.0' (possibly also brecciated); 86.0' to 87.0'; 88.3' to 88.8'; 92.6' to 96.0'	72.5'-74.0'	0.15 9060
		76.5'-78.3'	0.40 9011
		78.3'-79.0'	0.42 9012
110.0'-124.5'	TALC SCHIST		
124.5'-174.5'	ALTERATION ZONE (CHLORITIC/SERICITIC) QF Porphyry?: 130.2' to 131.3'; 169.3' to 174.5' (breccia- ted also) Breccia Zone: 172.6' to 173.4'; 174.0' to 174.4'	171.0'-172.0'	0.05 9092
174.5'-188.0'	QF Porphyry Dike Brecciated: 174.5' to 176.0'; 179.8' to 185.5'		
188.0'-251.0'	ALTERATION ZONE (SERICITIC)		
251.0'	EOH		

Robert Bald

1985 Sampling =

PROPERTY HUNTER MINE
HOLE NUMBER HS-85-01

GRID REFERENCE 24,642.24N; 7829.61E

ELEVATION/TOWNSHIP 10,932.16' CLAIM

AZIMUTH 103°53' DIP ANGLE - 45°

DIAMOND DRILL LOG

acid tests @ 100' = -50° @ 400' = -45°
@ 200' = -45° @ 500' = -45°
@ 300' = -46.5°

LENGTH = 536 feet

DRILLING COMPANY NOREX

FOREMAN

DIP TESTS:

CORE SIZE BQ

CORE STORED AT: SITE

RELOGGED BY R. BALD

DATE JULY 12/88

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0-55'	OVERBURDEN		
55'-75'	TALC SCHIST (lots of Ankerite veins + pervasive, orange-brown now) QVZ (dark grey to chesty grey, with possible tourmaline); from ~62' to 63'		03/ton
75'-188.5'	AZ: Bx: 85.0' - 85.3' (with Q veining) QFP? or brown Q.V.: 87' to 88.5' (~1" of Bx at 88.5'); 92'-93.5' (Bx for first ~3 inches) Possible ladder veins (randomly oriented Q ± white albite? ± Feldspar?) veinlets with silicified envelopes: ~96' - ~107' QFP?: 123.7' to 126.7' with Bx zones at 124.6' (dark brown matrix, small white plagioclase) and 125.8' to 126.7' Bx with Q veining: 126.7' to 143' (with well developed, recognizable white to brown carbonate crystals in dark brown-grey aphanitic material) AZ contains local fuchsite from ~145.5' to 166' (variable schistosity directions, from ~45° to 90° to C axis; local kink folding); also local narrow sections of Bx Possible Bx? or FX-MX brown Q Porphyry dike: ~166' to 167.5' up to ~5% MCX pyrite as stringers along schistosity planes; similar section from 173-175' with Bx from 172.5' to 173', some possible malachite near 173.5' Rusty, earthy weathered wuggy zone from ~180' to 182' with missing core from 182' to 189' (possible FAULT ZONE?) MX-CX Sericite (+ minor ankerite bands) schist from 183' to ~188.5'; contains black possibly talc or biotite spots. (disseminated throughout; possible felsic volcanic? or Feldspar Porphyry? deformed; and from ~196' to 209.5' (from 196' to ~197.5' intercalated with FX ankerite schist) and from ~209.5' to 213.0'	126'-129' 0.02% 129-132' 0.010%	12872 12873

Roberto Bald

DIAMOND DRILL LOG.

PROPERTY: HUNTER

HOLE NUMBER: HS-85-01

FOOTAGE	METASEDIMENT	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
188.5'- 251.8'		From ~188.5' to ~196' and 213' to 251.8': FX schist, variable percent chlorite-rich and ankerite-rich bands, locally finely laminated + with chlorite-filled cross faults. (especially from ~191' to 196'); from ~221' to 251.8': no ankerite, limit is FX, monotonous, dark grey (possible mafic float or FX metasediment?) mainly 1 FX dark grey greywacke? with local dark grey-black fine bands (argillite?, consisting mainly of chlorite → no graphite or talc observed) Note: see previous page for F. Porph? or felsic volc? from 196'-209.5' + 209.5' to 213.0' - foliation ~50° to ~65° to Core AXIS		
251.8'-311.2'	TALC SCHIST	- upper contact sharp but somewhat irregular, to core axis, parallel to schistosity / foliation of both units - contorted qtz + calcite bands (not oxidized-brown) - becomes very schistose from ~294' to lower contact, very talcose, black		
311.2'-536'	METASEDIMENTS	- Greywacke + argillite - silicified from upper contact to 311.6' and from 315.2' to 318.1' (bleached milky white to light grey Q. + Feldspar? veinlets randomly oriented); no sulphides seen - at ~353.5' + 354.5': graded bedding in argillite-greywacke shows tops facing downhole. - locally, chlorite (black) filled hairline fractures, parallel to each other, cut sediments generally ~ perpendicular to bedding - possible soft-sediment deformation near #12' and 41-7' - local curvilinear veinlets, normally ~ at 90° to CA, looks like polysuturing slickensides? with thin coat of silvery talc; talc veinlets locally from ~420' to ~447'	311.2'-315.2' 315.2'-318.1'	0693 0694
				Robt Bald

785 sampling = 36' to 216' ; 258' to 288' ; 296' - 306'

PROPERTY HUNTER MINE
HOLE NUMBER HS-85-02

GRID REFERENCE 24,642.96N ; 7825.40E

ELEVATION TOWNSHIP 10,931.78 CLAIM

AZIMUTH — DIP ANGLE - 90°

DIAMOND DRILL LOG

acid tests @ 100' = -87.5° @ 400' = 83°
@ 200' = -83° @ 500' = -86.5°
@ 300' = -84.5°

LENGTH = 656 feet

DRILLING COMPANY NOREX

FOREMAN

DIP TESTS:

CORE SIZE BQ

CORE STORED AT: SITE

RELOGGED BY R. Bald

DATE July 15/88

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0-36'	OVER BURDEN		Au 93/ton
36'-219'	TALC SCHIST gradually becoming pale greenish grey, containing more carbonate & quartz veinlets very gradational contact		
119'-246.3'	ALTERATION ZONE (?) talcose in sections Bx: 121.5' to 122.5' ; 123.7' to 124.3' (with deformed, Q-Ankerite rock between these two Bx zones) cherty-looking QFP (?) : "Brooksite" material (Fx tan, siliceous, no phenox's seen) cut by quartz and carbonate veins & veinlets; locally "brooksite" material appears to be banded with dark green-black ribbons of chlorite: from 129.6' to 130.8' (QV from QV: (~3" wide) near 132' 130.2' to 130.7' ; Bx 130.7' to 131.0') Local zones of "brooksite" material (cherty-looking, tan, FX) Variable schistosity directions (mainly) Chloritic, with local more sericitic sections Bx: 151.8' to 162.3' including 2 QFP zones (brecciated) QFPC: 157' to 157.5' ; 160.9' to 161.5' ; 197.2' From 162.3' to ; sericite ± fuchsite + ankerite schist with parallel grey quartz veins. + local ~1% FCX py; kinks Bx: 169.5' (c. 1/4" wide) ; 189.4' - 189.8' ; 192.0' - 192.2' ; 193.8' - 195.2' ; 207.9' - 209.7' Local white feldspar veinlets, randomly oriented Q-Feldspar-Tourmaline vein: 201' - 201.5' (rusty-earthly weathered at 201' → possible fault?)	160'-165'	0.010 30091

R. Bald

DIAMOND DRILL LOG. PROPERTY: HUNTER

HOLE NUMBER: HS-85-02

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS	
			Au	
119'-246.3'	ALTERATION ZONE (CON'T)		03/Am	
	Sericite + ankerite + quartz schist with local fuchsi- te along schistosity planes cut by grey + milky white quartz + feldspar veinlets, randomly oriented; <1% py. along schistosity planes	203'-206'	0.030	30100
	Sericite schist is locally finely laminated	216'-218.8'		0695
		218.8'-219.9'		0696
		219.9'-224.1'		0697
		224.1'-226'		0698
	Bx zone (~80% Bx with ^{short} sections of non-brecciated schist); 229'-246.3' (including 2 QVZ's)	226'-229'		0699
	Q.V.Z: 234.0' - 235.6'; 236.8' - 238.0'	229'-234.0'		0700
		234.0'-235.6'		0851
		235.6'-236.8'		0852
246.3'- 249.7'	TALC SCHIST contorted schistosity	236.8'-238.0'		0853
		238.0'-242.0'		0854
		242.0'-246.3'		0855
249.7'-307'	ALTERATION ZONE	246.3'-249.7'		0856
	Bx: 249.7' - 251.2'; 255.3' - 256.0'; 288.5'	249.7'-251.2'		0857
	Locally very sericitic, khaki to light green colour (local fuchsite); some quartz veining (usually <10% grey quartz generally parallel to schistosity which is very variable from 0 to 90° to core also)	251.2'-255.3'		0858
		255.3'-256.0'		0859
		256.0'-258.0'		0860
	Talc-rich grey unit with dark green-black spots (talc and local buff-yellow fragments? (up to ~1/2" long) from 283' to 285' and 289' to 296' with possible Bx at ~291'; very soft unit Gradually becoming finely layered, more sedimentary - looking but no recognizable, clear contact	288.0'-289'		0861
		289'-293'		0862
		293'-296'		0863
307-355.6'	METASEDIMENTS.			
	Similar to AZ but local fine laminations (randomly oriented and locally folded)			
	Local black: Ex argillite section, possibly slightly gneissic from 310' to 315'; 335' to 339.5'; 355.3' to 355.6'			
	Local Quartz veined sections, very similar to AZ, showing fine laminations (mixed/interfingered AZ + sediment?) closely spaced kink folds near 342' Possibly an interdigitating contact (looks mixed for 10's of feet)			

Robert
Bald

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
355.6'-358.1'	TALC SCHIST		
358.1'-359.7'	METASEDIMENTS Mainly black, FX argillite, kink folding; bedding ~50-60° to CA		
359.7'-449.3'	TALC SCHIST Bx or possible fault zone: from 366.5' to ~372.5', soft crumbly talc rich core; carbonate veins are ^{locally} contorted; most slips and/or carbonate veinlets are at 45° to CA Possible graphitic (MX crystals?) argillite from 411.5' to 413.7' bedding/foliation at 35° to CA Unit appears to be polysutured?/pillowed? from ~386' to 400' (conformable zones filled with MX ankerite crystals) Bx: 424.5' to 426.0'; 426.7' to 427.8' (including ~1" wide grey moderately soft carbonate(?) vein) Carbonate? + Feldspar(?) vein (irregular) at 439' (looks like a porphyry but is scratched by knife) Lower contact indicated by presence of graphite + material becomes slightly harder.		
449.3'-656'	METASEDIMENTS. Graphitic argillite, somewhat deformed from upper contact to ~457', beds not well defined and cross cut by thin chlorite and graphite veinlets From ~457' amount of greywacke in creases Local bleached sections with Q-veining: 504.2'-504.7'; 515.4'-517.5'; 518.2'-519.1' Graded bedding in greywacke/argillite beds show tops facing uphole at ~459', ~462', ~474.5'; Local contorted beds. Q-vein + MCX chlorite zone (possible fault zone? → sedimentary beds very folded & contorted from ~555.5' to 567.5'; local ex-MX argillite in Q-veins; and local CX ankerite near 564.5' (now tan coloured); also QVZ from 581.5' to 582.3' Q-veins (CX, milky white, appear to be barren): 578.9' to 579.4'; 587' to 588.3'; (contain minor ankerite crystals.	504.2'-504.7' 515.4'-517.5' 517.5'-518.2' 518.2'-519.1' 557'-561' 561'-565' 578.9'-579.4'	0864 0865 0866 0867 0868 0869 0870

Roberta Bald

1986 sampling = 340' - 353'; 415.3' - 440.2'; 447' - 663.4'; 667.3' - 667.6';
 668.6' - 668.9'; 670' - 688'; 781' - 790'; 791' - 795'; 893' - 906' (SOME PROBLEMS WITH SPLITTING). PAGE 1 of 4

PROPERTY HUNTER
 HOLE NUMBER HS-86-9

GRID REFERENCE

TOWNSHIP

CLAIM

AZIMUTH 107° DIP ANGLE - 51°

ELEVATION: 10,916.34'

@ 750': -55°

DIP TESTS:

DIAMOND DRILL LOG LENGTH = 997'

@ 0' = -51°, 107° AZ (surveyed)

@ 150' = -49°

@ 300' = -58.5°

@ 456' = -53°

@ 484' = -51°, 107° 30', (sperry sun)

@ 624' = -50°, 106° AZ (sperry sun)

DRILLING COMPANY NOREX

FOREMAN

CORE SIZE BQ

CORE STORED AT: MINE SITE RELOGGED BY R. Bald

DATE Aug 8/88

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0' - 227'	CASING		
227' - 352'	SOAPSTONE QVZ: 342' - 350.5'		
~ 352' - 415.5'	TALC SCHIST Bx(?) brown matrix, light grey-white talc-rich frag- ments: 404.3' - 405'		
415.5' - 425.5'	INTERMEDIATE DIKE? Talc schist from 424.9' to 425.1' Local silicified haloes along margins of randomly oriented Q + Carbonate veinlets, locally containing Fx to CX pyrite. Generally unit is a dark grey, hard, locally foliated chlorite-rich rock.	415.3' - 418'	0.010 30196
425.5' - 429.5'	TALC SCHIST		
429.5' - 440.2'	INTERMEDIATE DIKE? Local silicified haloes along Q-C veinlet margins F to CX ankerite crystals, disseminated from ~ 438.5' to lower contact		
440.2' - 452.0'	TALC SCHIST		
452.0' - 453.5'	INTERMEDIATE DIKE? ~ 10% veinlets		

Robert Bald

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS Au oz/ton
453.5'-461.0'	TALC SCHIST "Brooksite"? or QFP? (tan, fx, cherty looking siliceous material) cut by QV's: ~456.6' - ~456.2'		
461.0'-528'	ALTERATION ZONE Chloritic within 6" of upper contact Local fuchsite (e.g. near 468') Possible "Brooksite" near 470' From ~470.5' to 483.9': chloritic with threadlike to ~1/5" wide cross cutting chlorite veinlets; and local QV's and "brooksite" bands; contorted banding QFP (cream coloured, dark brown threadlike, tourmaline?) veinlets, cut by Q. Veinlets): 478.5' - 478.9' with ~1/2" dark brown bx along lower contact. Local brownish cherty looking Q.V's: 479.3'; 483.9' to 484.2' (@ 75° to CA, tr py, A. Brooks' nod) ~489.8', 493'; 494' Chloritic (similar to 470.5' - 483.9'): from ~496' to 514' (with local zones of MX, massive actinolite crystals) becoming color (khaki coloured) towards lower contact. BX: 514.3' to ~521.5' with milky white to variegated brownish Q.V's, randomly oriented; 527' - 528'	461'-463.7' 463.7'-464.5' 464.5'-467.5' 467.5'-469.5' 469.5'-470.7' 483.7'-484.2' 484.2'-486.6' 486.6'-489' 489'-490.3' 490.3'-492.5' 492.5'-494.3' 494.3'-499'	0.010 30008 0.010 30009 0.015 30010 0.015 30011 0.010 30012 0.07 30019 0.045 30020 0.01 30021 0.155 30022 0.035 30023 0.025 30024 0.010 30025
528'-532.7'	QFP Visible white feldspar phenocrysts; locally brecciated; possible tourmaline? (dark brown, hard, siliceous) between fragments in brecciated zones; cut by ~15% QV's (milky white, randomly oriented)		
532.7'-705.7'	ALTERATION ZONE BX: 532.7' - ~556' (gradational lower contact) Sericite schist (with local fuchsite); from ~556' to ~580' local kinking; local FX: pyrite (trace); local Q. Veining BX: ~582.5' to ~584' (brownish Q.V. at 583.2') QVZ's: 587.2' to 588.3'; 594' - 596'; 607.5' - ~611'; 618' to 619' BX: 599' - ~607'; ~619' - ~624' 624' - 632.5': MX light greenish unit with black specks (prob)	571'-580' 600'-605'	0.010 30051 0.010 30058

Roberta Bold

DIAMOND DRILL LOG.

PROPERTY: HUNTER

HOLE NUMBER: HS-86-01

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
532.7-705.7	ALTERATION ZONE (CON'T) bly ankerite crystals QVZ: ~635'-636.5'; 636.8' - 638.8'; 647' - 652'; From 654' onward: locally grey schist with narrow cherty bands (rare) Lower contact gradational	663.4'-667.3' 657.6'-668.6' 668.9'-676' 692.5'-693.5'	0981 0982 0983 0984
705.7-742.8	TALC SCHIST chloritic mainly from upper contact to 709' Bx: 708.2' to 708.3' (dark brown, MX, possible QFP?); 708.4' to 709'; Quartz crystals, disseminated, MCH, from ~707' to 708.4', dark grey-blue. From 709' onward, unit contains cross-cutting talc veinlets QVZ: 724.9'-726.3'; 732'-734.1' Deformed/contorted banding: 739'-742.8' Lower contact sharp but irregular	707'-709' 724.9'-726.3' 732'-734.1' 734.1'-737' 737'-739' 739'-742.8'	0985 0986 0987 0988 0989 0990
742.8-751.2	QUARTZ FELDSPAR PORPHYRY Cream to light green to orange-cream coloured hard, siliceous material cut by randomly oriented threadlike black veinlets of tourmaline? Locally, unit contains milky white feldspar crystals; locally unit cut by Quartz-carbonate vein- lets (randomly oriented) Inclusion of talc schist: ~1" long at 744.9' and 749.5' to 750.4' (very deformed banding with possible tourmaline-rich(?) bands) Lower contact masked by Q-carbonate veining	742.8'-744.9' 744.9'-749.5' 749.5'-750.4' 750.4'-751.2' 751.2'-753.7' 753.7'-755.2' 755.2'-757.2'	0991 0992 0993 0994 0995 0996 0997
751.2-774.3	TALC SCHIST Deformed from upper contact to ~759' QVZ: 753.7'-755.2'; 757.2'-758.3' (almost solid milky white quartz and minor carbonate crystals; quartz containing pyrite) and coatings along fractures in quartz 770.8'-771.8' Lower contact sharp, somewhat masked by Q-veins	757.2'-758.3' 758.3'-762'	0998 0999

Roberta
Bald

DIAMOND DRILL LOG. PROPERTY: HUNTER

HOLE NUMBER: HS-86-09

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
773'-997'	METASEDIMENTS Somewhat deformed from upper contact to ~ 776.5'	776.9'-771.8'	1000
	Local threadlike cross cutting veinlets from upper contact to ~784'		
	Pyrite-rich bands from 789'-790'		
	Local purplish tinge, grey to black to dark green to light green No graded bedding for top determinations		
	Amphibole-rich bands (alternating black & green) from 874.3' to 878.3' (gradually decreasing amphibole content)		
	Locally silicified/quartz veins.		
	At ~906.5' ~3" of almost solid pyrrhotite.		
	Possible graded bedding showing tops facing downhole near 912'		
	Bedding 70°, crosscutting chlorite rich threadlike vein- lets at 20°; bedding at ~966' at 10° to CA, then ~90° at 967' then 20° at ~968.5', then 75°-90° at 971'; 60° to CA at ~981'		
	Quartz vein from 967' to 967.5': CX milky white quartz with minor ex arsenite (slightly yellow); sediments deformed near quartz vein margins	967'-967.5'	1001
	Bedding folded near 973'		
997'	ECH		

Robert
Bald

1986 sampling = 505' to 570'; 588' to 609'; 655' to 665';
709' to 720'

PROPERTY HUNTER
HOLE NUMBER HS-86-10
GRID REFERENCE
TOWNSHIP CLAIM
AZIMUTH 109°20' DIP ANGLE -73°42'
ELEVATION 10,916.3'

ACID TESTS: DIAMOND DRILL LOG LENGTH = 815 feet

@ 0' = 109°20' AZ, -73°42' (SURVEYED) @ 150' = -74°
@ 300' = -74° @ 750' = -77°
@ 825' = 104.5° AZ, -83° (TROPARI)

DRILLING COMPANY NOREX

FOREMAN

DIP TESTS:

CORE SIZE BQ

CORE STORED AT: MINE SITE

RELOGGED BY R. BALD

DATE Aug. 5/88

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0'-172'	CASING (8' of water, mud + till to bedrock)		
172'-378'	SOAPSTONE Brecciated locally, poor ground, possible Porcupine Dip or Fault Zone? Lower contact somewhat gradational		
378'-413.4'	TALC SCHIST Bx: 412' to 413.4' (with Q.V.'s) Lower contact irregular		
413.4'-422.3'	CHLORITE-AMPHIBOLE ROCK (METAVOLCANIC?) Black amphibole blades, randomly oriented; dark green massive to idially foliated Bx: ~420' to 422.3' with quartz matrix lower contact ground	420'-422.3'	0938
422.3'-502.1'	TALC SCHIST Ankerite - Q-rich from upper contact to lower contact Possible Bx (ankerite-rich): 424.5' to 425.7' with local narrow (<1/4") brownish Q-veinlets, randomly oriented. Local "Brooksite" veinlets (tan, Bx-cherty looking, siliceous) QV? or QFP. with QV's (pinkish-brown patches in milky white to clear Q and yellowish carbonate veins; no pherocysts seen); @ 434.5' - 448' to 448.4'; 448.7' to 449.1' QV2: 449.5' - 450'; 451.5'; "Brooksite" bands (<1" wide): 474'; 495.8';	422.3'-424.5' 424.5'-425.7' 425.7'-427' 427'-430' 430'-434' 434'-435' 435'-438' 438'-441' 441'-445' 445'-448' 448'-449.1'	0939 0940 0941 0942 0943 0944 0945 0946 0947 0948 0949

Roberta Bald

DIAMOND DRILL LOG. PROPERTY: HUNTER

HOLE NUMBER: HS-86-10

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS	
			Au	g3/ton
422.3-502.1	→ TALC SCHIST (CONT)			
	Bx: 491.5' to 494.2'; 497.9' to 498.2';	449.1-450'		0950
	QV: 492.3' to 492.8' (with host rock inclusions of Bx);	450'-452'		0951
	QVZ: 496.1' to 496.7'	452'-457'		0952
	QFP? (tan - light brown, siliceous, MX, poss. Q. crys-			
	tals?) 501.2' to 501.6' with Q.V. and dk green chlorite	4725-474.5		0953
	within ~ 1" on either side of "dike".			
502.1-510'	Cross-cutting talc (sericitic schist) as lower contact	489.2-491.5		0954
	veinlets to lower contact; possibly is actually "ALTER-	491.5-492.8		0955
	RATION ZONE"?	492.8-494.2		0956
		494.2-496.1		0957
	CHLORITE SCHIST (METAVOLCANIC?)	496.1-497'		0958
	with local ankerite veinlets.	497-498.2		0959
	lower contact vague, gradational? chlorite schist	498.2-501'		0960
510-614.9'	appears to be silicified(?) in patches within ~ 1' of	501'-502.1'		0961
	contact	502.1'-505'		0962
	QUARTZ FELDSPAR PORPHYRY ?? OR FELSIC INTRUSION	505'-510'	0.005	30153
	Gray, cherty looking, locally brecciated/cut by quartz	535'-540'	0.005	30159
514.9-649.3'	stockwork	540'-545'	0.002	30160
	Well developed BX from ~ 514' to lower contact			
514.9-649.3'	ALTERATION ZONE			
	Bx: 514.9'-524' (chlorite schist from ~ 519.8'-521');	571'-574'		0963
	526'-~531';	574'-577'		0964
	chlorite rich 531'-532'	577'-580.5'		0965
	Sericite schist (with local fuchsite): 532'-542'	580.5-582'		0966
	Gradually becoming darker grey-green from 542'	582'-582.9'		0967
	grwards (poss. Q. crys. & chlorite or ankerite?) to ~ 559',	582.9-583.7		0968
	(local short sections of sericite-rich material)	583.7-587'		0969
	Sericitic-ankeritic ~ 559' onward	587'-588'		0970
	Ankeritic section (MX ankerite crystals) and quartz veining			
	from ~ 580.5' to ~ 583.7' with brownish, cherty looking quartz veinlet	609'-612'		0971
	($d < 1/2$ ") at 582.3'			
	QVZ: 587'-588'; 594'-599.5'; 604'-609'	624'-627'		0972
Local kinking near 640' and 645' to 648'				
Lower contact gradational	634'-637'		0973	

Roberta Bald

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
649.3-654.1	CHLORITE SCHIST With FMX ankerite euhedral crystals disseminated throughout; ~5% milky white quartz veinlets parallel to foliation at ~70° to CA, parallel to foliation of alteration zone on either side of chlorite schist Lower contact sharp, parallel to foliation of both units; marked by abrupt colour change.	644-647'	0974
654.1-663	ALTERATION ZONE Chloritic to sericitic; outside of core weathered brownish (ankerite?) Near 662': dark khaki Fx zone ~3" wide, possible "Brook-site?" or BX, ~1% py Lower contact not seen since core was split & jumbled	654.1-655'	0975
663-702.7	TALC SCHIST MCX grey-khaki with up to ~50% white-grey ankerite veinlets parallel to foliation/schistosity, locally contorted.	670'-671'	0976
	QVZ: 670'-671'	677.2'-679.2'	0977
	FX zone: 677.2' to 679.2' (at low angle to CA)		
	BX?: (talc) 690.7' - 691.3'	690.7'-691.7'	0978
	QFP: 691.3' to 691.7'		
	FX finely laminated section (possible metasediments) from 700" to 700.3'	700.3'-702.7'	0979
	QV: 701.9' (~1" wide, irregular, with ankerite crystals). Lower contact gradational over ~1 inch.		
702.7-736.6	METASEDIMENTS Ankerite crystals (MX) disseminated from 703.2' to 704.1' Locally silicified - bleached Lower contact sharp, parallel to schistosity & bedding (sediments) at 65° to CA	702.7-704.1'	0980

Roberta Bald

DIAMOND DRILL LOG.

PROPERTY: HUNTER

HOLE NUMBER: HS-86-10

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
736.6'-737'	TALC SCHIST Lower contact ground		
737'-738.6'	METASEDIMENTS Lower contact, broken core, partially masked by Q-Carbonate Veining		
738.6'-772.5'	TALC SCHIST (SOAPSTONE) Zones of antkerite-rich randomly oriented veinlets and zones of FMX disseminated antkerite crystals Lower contact gradational? (next unit has cross- cutting fibroid like chlorite veinlets within ~6" of contact)		
772.5'-815'	METASEDIMENTS Layered argillite and greywacke with local cherty looking bands <1" wide (chemical sediment?) Locally, beds are contactd (e.g. @798') Locally graphitic		
815'	E.O.H.		

Robert
Auld

1986 Sampling = 386.5' to 399'; 413' to 451.9' (no assay result reported for
 (.449.9' to 451.9'); 488.1' to 537.5' (from 537.5' to 541.2', core is split but
 assay reported); 552.7' to 613.1'; 622.7' to 658.8'; 684.5' to 703.5' PAGE 1 of 4

PROPERTY HUNTER MINE
 HOLE NUMBER HS-86-14

DIAMOND DRILL LOG

LENGTH = 807'

GRID REFERENCE

ACID TESTS @ 0' = -50° 16'

@ 150' = -47°

ELEVATION TOWNSHIP 10,917.47 CLAIM

@ 300' = -50°

@ 500' = -52°, 110° (topari)

AZIMUTH 106° 59' DIP ANGLE -50° 16'

@ 700' = -52°, 111° (topari) @ 807' = -52°

DRILLING COMPANY NOREX

FOREMAN

DIP TESTS:

CORE SIZE BQ

CORE STORED AT: SITE

RELOGGED BY R. BALD

DATE July 25/88

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS	
			g/t	g/t
0'-270'	OVERBURDEN		03/ton	
270'-490.7'	SOAPSTONE (TALC SCHIST) From 270' to ~305': Soapstone with local possible amygdules? (appear to be zoned; now white carbonate?) or variolites from <1/16" to ~1/2" diameter, round to oval, locally coalescing; also local curvilinear zones of carbonate and silty talc, (possible pillow margins??) From 318' to 322': Breccia with talc matrix From 347.5' to 490.7': TALC SCHIST (very deformed from 347.5' to 360'); chlorite-rich with CX amphibole? near 388.5' (to 389.3') From ~414.5' to 447.9': possible "ladder veins" in intermedia- le dike unit; locally contains up to ~60% disseminated MX, ankerite crystals Note: no obvious explanation for gold in sample 30448; ordinary looking talc schist; also next sample (9156) has no description or assay result or core left ("whole sampled" -> why?) QZ zone: 462.5'-463.0'; irregular, with ~10% ankerite crystals, porphyritic? Ankerite-rich bands ("Brooks site"), tan colored, up to 1/2" wide at 469.4', 470.2', 470.9', 471.1'; @ 85° to CA, ~0.5% py (A. Brooks' log); these "Brooks site" bands appear to be younger than talc veinlets since the veinlets stop at "Brooks site" margin; also talc schist host rock is deformed but "Brooks site" bands are very regular at ~85° to CA Lower contact arbitrary			
		447.9'-449.9'	0.038	30448
		449.9'-451.9'	0.005	9156
		451.9'-455.5'		0903
		462.5'-463.0'		0904
		469.0'-470.0'		0905
		470.0'-471.3'		0906

R. Bald

DIAMOND DRILL LOG. PROPERTY: HUNTER

HOLE NUMBER: HS-86-14

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS	
			g/t	g/t
490.7-505.2	ALTERATION ZONE Note: appears to be some core missing from section 493.5' to 495.8' which ran 0.057 g/t Au (possibly a piece ~0.5' long); what is left of the sample appears to be silicified (locally with tan streaks "Brookbite") with FX to CX disseminated pyrite locally Bx: from 498.0(3) to 500' (0.5' missing)	493.5-495.8	0.057	30451
505.2-514.5	QUARTZ FELDSPAR PORPHYRY sharp upper contact at 55° to CA; upper 4' of unit most silicified and brecciated; late qtz ank stringers @ 35° + 70° to CA (2 sets); ~0.5% pyrite overall; sharp lower contact at ~40° to CA (ragged) (A. Brooks log); locally foliated; cut by threadlike brown (tourmaline?) veinlets, randomly oriented			
514.5-516.6	ALTERATION ZONE Bx: 514.5' to 515.3' Lower contact sharp at 40° to CA, parallel to foliation of both units.			
516.6-518.0	QUARTZ FELDSPAR PORPHYRY possibly with inclusion of schist near 517' or 2 smaller QFP dikes Lower contact irregular?, masked by quartz veining			
518.0-554.7	ALTERATION ZONE Bx: 518.0' to ~521.5'; ~523.5' to ~526.5' (possibly with short sections of QFP or brown Q.V.); ~533.0' to ~534.0' QFP(?), foliated, FMX, granular, tan coloured; from ~528' to ~528.5' in chl-talc schist Local crosscutting talc veinlets from ~538' to ~552' (decreasing downhole)	537.5-541.2 541.2-543' 543-547' 547-550.7' 550.7-552.7'	SPLIT ASSAY	SUP NO RESULT 0907 0908 0909 0910
554.7-563.0	(QUARTZ?) FELDSPAR PORPHYRY fresh, white feldspar crystals; locally brecciated; cut by brown threadlike veinlets			

Roberta Beld

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS Au oz / ton
563.0'-703.5'	ALTERATION ZONE		
	Bx: 563.0' to 564.5'; 567.0' to 568.5'; 572'; 573.5'; 574.2';	574.5-577.0	0.220 30474
	~576.0' (<1/2" bx none); 576.8' (<1" bx zone); 592.2' to 604.5'	577.0-580.5	0.019 30475
	Sericite schist from ~574' to ~592'. (Locally containing fuchsite and quartz veinlets parallel to schistosity but locally quartz + carbonate veinlets cross cut schistosity) also from ~599.5' to ~605'	602.3-604.0	0.040 30483
	Bx: from 607' to ~609'		
	QVZ: ~609.5' to 610.5' (locally brown quartz); 633.3' to 637.5';	613.1-614.3	SPLIT BUT NO ASSAY RESULT
	From ~611' to ~621.5'; abundant CX ankerite crystals locally seen to be within Q-Ankerite veinlets but elsewhere appears to be pervasive carbonatization;	614.3-615.5	0911
	MCX crystals give rock a massive granular texture	615.5-616.5	0912
	very narrow (<1/2") brown chevron looking QV at 616', at ~45° to CA	616.5-619	0913
		619'-622.7'	0914
	From 655.9' to 656.5': QVZ, locally brown, up to 2" wide, about 70°-80° to CA generally parallel to foliation but locally cross cutting; trace py + po(?) within Q.V.'s	652.0-655.9	0.012 trace 30497
	From ~656' to ~658.8' core now has an orange weathering rind, probably from iron carbonates	655.9-656.8	0.019 30498
	QV: from 699.4' to 699.6' (granular, white, sugary quartz, with tourmaline ribbons, parallel to vein walls).	658.8-663	0915
	From ~699' to 703.5' unit becomes darker, more chloritic (less sericite); poss. gradually more brecciated(?)	663-667'	0916
	zone (~2") near contact	667-669'	0917
		669-670'	0918
		670-673'	0919
		673-676'	0920
		676-679'	0921
		679-682'	0922
	Lower contact denoted by appearance of cross-cutting talc veinlets and increase in talc content of unit (thus making it softer than previous unit)	682'-684.5'	0923
703.5'-743.9'	TALC SCHIST		
	QVZ: 714.5'; 723' to 724.4' (CORE FROM 724.4' to 725.4' NOT IN BOX); 728' to 728.8' (SAMPLE J. Kirwin from 728.4' to 728.8'); 734.8' to 735.4' (Q-Ankerite - Tourmaline?); massive	714-715'	0924
	Lower contact sharp at ~90° to CA; some talc near contact.	723-724.4'	0925
		728-728.8'	0.2 trace 0926
		734.8-735.4'	0927
		742.8-743.9'	0928

Roberta Bald

DIAMOND DRILL LOG.

PROPERTY: HUNTER

HOLE NUMBER: # S-86-14

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
743.9'-751.0'	QUARTZ FELDSPAR, PORPHYRY DIKE Cream to white to light brown, trace pyrite and local thread-like black veinlet, randomly oriented, poss. tourmaline	743.9'-747.0'	0929
	locally cut by randomly oriented clear quartz veinlets; local small milky white feldspar phenocrysts; sugary, recrystallized texture. Lower contact sharp at ~40° to CA;	747.0'-751.0'	0930
751.0'-766.3'	TALC SCHIST QVZ: 759.4' to 760.3' Lower contact sharp at ~80° to CA, subparallel to foliation/banding of both units	759.4'-760.3'	0931
766.3'-807.0'	METASEDIMENT Locally finely banded, locally deformed (kinked and micro faulted); Gray to dark gray to black; appears to contain ankerite for first 1 1/2 feet (now has an orange-brown tinge) (No graded bedding to determine tops)		
807.0'	EOH		

Robert Bald

1986 sampling = 432' to 443'; 471' to 487'; 500.7' to 723.0'; 741.5' to 750.5'; 758.3' to 760.7'; 792.5' to 799.0'; 317.0' to 832.5' PAGE 1 of 3

PROPERTY HUNTER
HOLE NUMBER S-86-15

DIAMOND DRILL LOG LENGTH = 847 feet GRID REFERENCE

ACID TESTS @ 0' = -50°16' @ 150' = -50°
@ 300' = -50° @ 450' = -50°
@ 842' = -41°

ELEVATION TOWNSHIP 10, 916.99 CLAIM
AZIMUTH 105°50' DIP ANGLE -50°16'
(SURVEYED)

DRILLING COMPANY NOREX

FOREMAN ANDY R. DIP TESTS:

CORE SIZE BQ

CORE STORED AT: SITE

RELOGGED BY R. BALD

DATE July 18/88

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0'-256.0'	CASING (TRI-CONED THROUGH SOAPSTONE)		
256.0'-469.5'	TALC SCHIST (SOAPSTONE) Bleached sections as haloes surrounding quartz-carbonate veinlets (randomly oriented, net pattern possibly in "intermediate dyke unit?") from ~432' to ~439'; contain disseminated FX py.	467'-469.5' 469.5'-471.0'	0873 0874
469.5'-723'	ALTERATION ZONE Bx: 471.2'; 477.5' to 477.9'; 480.9' to 482.2'; 483'; "Brookside" vein (tan, FX, siliceous, very small quartz crystals); from 475.3' to 476.2' + FX pyrite, disseminated QCV: 483.5' V.G. (very FX in brown to grey quartz veinlet < 1/4" wide, cross cutting foliation/schistosity direction) (NOTE: looked for V.G. from 472.0' to 475.3', noted by Andy Brooks but couldn't find any). Bx: 493.3' to 495'; 497.9'; 502.2' to 503.8'; 513.9'; 515.5'; 516.8'; 517.1' to 519.2' (narrow < 1/2" Breccia dikes, see sample); QVZ (brown, almost parallel to CA because only on one side of core): 495.6' to 496.1' Chl schist: 503.8' to ~537'; gradually becoming silicified, with less chlorite Bx: 536.2' to 536.5'; 537.6' to ~565.3' (local zones of schist but cut by narrow breccia zones); 567.5' QF Porphyry? (no phenocrysts) or "brown Q.V.?", locally brecciated: 555.4' to 564.0'; 565.0' to 565.3' (these measurements are approximate, core appears to be tumbled here)	472.0'-475.3' 0.749 ^{vs} 482.3'-487.0' 0.016 ^{vs} 487.0'-490.0' = 490.0'-493.3' 493.3'-495.0' 495.0'-496.1' 496.1'-497.5' 497.5'-500.7' 530'-517.0' 0.029 517.0'-522.0' 0.039 522.0'-526.3' 0.006	30508 30512 0875 0876 0877 0878 0879 0880 30516 (BW) 30517 30518 30519

R. Bald

DIAMOND DRILL LOG.

PROPERTY: HUNTER

HOLE NUMBER: S-86-15

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
469.5'-723'	ALTERATION ZONE (CON'T)		
	V.G. noted by A. Brooks at 563.3' (this piece of core no longer in the box; "given to E. Davis")	563.0'-563.5'	0.089% 30531
	local parallel	565.3'-568.0'	0.011 30534
	Sericite schist with Q-veining from ~567.5' to ~587.5'; with local white carbonate-rich veinlets and local fuchsite.		
	QVZ: 600.8' to 601.0' (chlorite and tourmaline, @ 75°-80° to CA; no sulphides seen);		
	Local sericite schist sections in mainly chlorite schist from ~587.5' onward.		
	610.8' to 615.5': "Qtz-Ankerite Rock": buff grey-brown; massive; irregular barren ~20% overall veining of amorphous silica stringers 0-70° to CA; nil py; sharp upper contact at 70° to CA; 3% overall dark "eyes" < 0.16" diameter of magnetite; lower contact gradational @ 75° to CA" (A. Brooks log); MX.		
	Bx: 643' to 647'; 649' to 652.4'; 655.6' to 658.9'; 661' to 662.3'; 664.3' to 665.2'; ~669.;		
	QV's (brown-cherty looking): 659.5' (~1"); 664.1' (< 1/2"); locally throughout Bx; ~684.5' to 684.9' (irregular, more than size?).		
	QVZ: 666.3' to 666.8' (irregular)		
	Kinks at 667.5'		
	Chloritic @ ~ 675' brownish		
	Bleached sericitic-quartz section from ~686' to ~689.5': possible foliated QFP? or felsic fragment?		
	Becoming darker from ~714' to lower contact		
	lower contact denoted by sudden appearance of cross-cutting talc veinlets and softer core (scratched by fingernail)		
723'-795.0'	TALC SCHIST		
	QV (brown with trace CX py): 737.3' (< 1/2", cross cutting fol);	737'-737.7'	0932
	739.5' (low angle to CA, ~ 1/2")	737.7'-738.6'	0933
	QVZ: 737.7' to 738.6'; 741.8' to 744' (with possible slightly pink QFP? from 743' to 743.2')	738.6'-741.5'	0934
	QFP? or QV: 746.0' to 747.3' white to locally pinkish;		
	cross cut by Q± grey ankerite veinlets; sharp contacts at 25° to		

Robert Bald

PROPERTY HUNTER
 HOLE NUMBER HS-86-16
 GRID REFERENCE

DIAMOND DRILL LOG

LENGTH = 922 feet

ACID TESTS: @ 0' = -50° 16'
 @ 150' = -50° @ 300' = -50°
 @ 450' = -52° @ 750' = -49°

ELEVATION TOWNSHIP 10, 916.87 CLAIM

@ 900' = -48° AZIMUTH 104° 25' DIP ANGLE -50° 16' (SURVEYED)

DRILLING COMPANY NOREX

FOREMAN Andy

DIP TESTS:

CORE SIZE BQ

CORE STORED AT: SITE

RELOGGED BY R. BALD

DATE JULY 20/88

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0-210'	OVERBURDEN		
210'-255'	CASING (TRICONED SOAPSTONE; POOR GROUND CONDITIONS)		
255'-375.5'	SOAPSTONE/TALC SCHIST		
	Massive talc from 255' to 320'	327.5' to 359.9'	all (10 trace samples)
	Talc schist (carbonate parallel veinlets) from 320'	359.9-363.2	0.092 30600
	Note: Box 4 (327'-346') appears to have been mixed up, no tags & Q.Vein material is scattered throughout box; appears to be possibly some silicified zones in intermediate dyke	363.2-365.0	1.129 ⁹⁰ 30601
	Box: 360.3' (~2" wide)	365.0-365.7	trace 30602
	QV: 363.4' to 364.2' with dark brown streaks through milky white to translucent grey Q.V., with FX diss. py + few specks of V.G., trace po + cp. Upper contact at 35° to CA, lower at 55° to CA (from A. Brooks' log, core poorly split, only pieces remain; some V.G. still in box)	365.7-368.5	0.0137 30603
	Poss. sheared QFP dike: 365.7' to 372.2'; some white fresh looking feldspar(?) Xals seen; ~2% py diss.; local dark brown (tourmaline?) seam randomly oriented + locally associated with irregular Q.Veinlets (dark brown material rims, Q.V.) containing FX patches of V.G. (small piece in box); local Q.Veining in QFP (e.g. 365.7' to 366.0' streaks not solid Q.V.)	368.5-372.2	1.299 30604
	4" Grind at 377'; 4" Grind at 387' (but 10' of core between 377' + 387' ??); only ~4' of core between 367' & 377' tags	372.2-373.0	0.0032 30605
	Note: host rock is talc rich on both sides of golden bearing silicified zone/QFP; cross cut by dark green talc veinlets up to 1/4" wide; unit is dark green with white-grey carbonate bands; NOT AZ.	373.0-377.0	GROUND CORE

R. Bald

DIAMOND DRILL LOG. PROPERTY: HUNTER

HOLE NUMBER: HS-86-16

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS Au g/t or ton
255'-239.5' 5'	SOAPSTONE/TALC SCHIST (CON'T) Gradational lower contact demarcated by 1) decreasing amount of cross-cutting talc veinlets 2) increase in amount of quartz + carbonate veining 3) chlorite schist instead of talc schist.	377'-382' 382'-387' 387'-391' 391'-391.9'	0881 0882 GROUND CORE 0883 0884
~395.5'- 418.3'	ALTERATION ZONE Q-Ankerite altered zone from 392.5' to 392.8' (veining) -Chloritic schist, locally silicified + bleached. BX: 398' to ~402' to ~406.8' including QFP(?) / Q.V. at 403.9' (about 4" long), and grey-brown Q.V. 406.5' to 406.7'; 408.7' to 413.9' including brown-tan + white Feldspar Porphyry (visible white feldspar phenocrysts) from 410.7' to 411.2'; QFP (tan + white) 417' to 418.3'	391.9'-392.8' 392.8'-394.5' 394.5'-397.5' 397.5'-402.0' 402.0' to) 424.0'	0885 0.011 30606 0.009 30607 all (9 trace samples)
418.3'-480'	CHLORITE SCHIST (Poss. Fe + tholeiite? → magnetite) Dark green with white-tan ankerite + quartz veinlets parallel to foliation; local magnetite (Arden Brooks' log); no cross cutting talc veinlets; FX; moderate schistosity @ 75-80° to CA; local FX disseminated purple bluish-grey quartz in veinlets (Quartz eyes); local short bleached sections.		
480'-639.5'	ALTERATION ZONE QFP?: 485.4' to 487.3' Fuchsite: 487.3' to ~487.6' BX: from 494.6' to 501.2'; 511.5' Q.V.: 500.7' to 501.2' (V.G.; local dark brown streaks) to 527.3' 568.6' (1/2" brown trace FX pyrite); 576.9' to 577.9' (irregular FX, white barren) Local silicification + bleaching in chlorite schist from ~480' to ~494.6' then schist becomes pericite-carbonate-quartz schist Chloritic from ~527.3' to 530.9' Q.F.P? or felsic fragmental?; contains zones with abundant black spots, possibly magnetite (A. Brooks) from	480.0'-485.7' 485.7'-487.3' 487.3'-494.6' 494.6'-497.3' 497.3'-499.3' 499.3'-500.7' 500.7'-501.2' 501.2'-502.8' 502.8'-505.2' 505.2' to 541.7'	all trace (3 samples) 0.007 30620 all trace (3 samples) 0.003 30624 0.0064 30625 0.007 30626 0.057 30627 0.017 30628 0.013 30629 all (1) trace samples

Robert Bald

DIAMOND DRILL LOG.

PROPERTY: HUNTER

HOLE NUMBER: HS-86-16

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
480'-639.5'	ALTERATION ZONE (CON'T)		
	530.9' to 536.1' ("Quartz-Ankerite rock"), possible angular felsic fragments; unit is light to dark grey. Col. in MX	547-544	0886
	Bx: 625.0' to 631.5';	544'-547'	0887
	QFP(?) (tan-khaki; visible Q. crystals): 637.8' to 639.0'	547'-552'	0888
		552'-557'	0889
		557'-559.2'	0890
		559.2'-564'	0891
		564'-568'	0892
		568'-569'	0893
		569'-572'	0894
		572'-576.9'	0895
		576.9'-577.9'	0896
		577.9'-582'	0897
		582'-587'	0898
		587'-590.5'	0899
		590.5'-594.5'	0900
639.5'-658.2'	TALC SCHIST		
	Q.V.Z: 645' to ~656.5' (about 25% Q veins overall, locally	594.5' to	all (14
	~1' sections containing ~80% Quartz), see A. Brooks' log	639.0'	trace samples)
		645.0' to	all (5
658.2'-659.2'	METASEDIMENT	661.0'	trace samples)
	Finely laminated Fx grey to greenish dolinted/banded material - upper contact ground, lower contact banding is deformed; laminations about 80-75 to CA in most of unit	719.4' to	all (13
		767.0'	trace samples)
659.2'-720.4'	TALC SCHIST		
	QV's (see A. Brooks' log)		
	Lower contact possibly at 719.4' - sedimentary unit somewhat deformed (possibly TALE SCHIST is an intrusive rock)		
		908.1'-909.4'	0901
720.4'-922.0'	METASEDIMENT	912.5'-913.1'	0902
	Argillite and greywacke; no graded bedding for top determination; local deformation in beds from ~890' to EOH faultline a section + folding; QV's at ~908.1' to 909.4' and 912.5' to 913.1' (CX Qz and Ankerite 4 1/2 pp)		
922.0'	EOH		

Robert Bald

1986 sampling - 548.7 to 553.7; 557.0 - 564.5; 571.7 to 579.3; 594.5 - 401.5;
 436(: 534.0 ; 541.0 - 563.5 ; 707.0 - 734.0.

PROPERTY HUNTER
 HOLE NUMBER HS-86-19

DIAMOND DRILL LOG

LENGTH = 734 feet GRID REFERENCE

@ 0' = 106° AZ, -49° surveyed @ 150' = -50°
 @ 300' = -51° @ 450' = -51°
 @ 734' = -53°

TOWNSHIP CLAIM
 AZIMUTH 106° 19' DIP ANGLE - 48° 54'
 ELEVATION: 10,917.63
 (SURVEYED)

DRILLING COMPANY NOREX

FOREMAN

DIP TESTS:

CORE SIZE BQ

CORE STORED AT: Minsite

RELOGGED BY R. Bald

DATE Aug. 2/88

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0'-124'	OVERBURDEN		
124'-187'	CASING (TRICONED THROUGH SOFT-ROCK)		
187'-329.5'	SOAPSTONE Possible fault zone?? very brecciated, slips, deformed, etc.		
329.5'-441.5'	From 329.5' to 359.0': well banded at ~ 30-35° to CA dk grey/black; 2-3% Qtz; (A. Brooks' log); Possible spinifex near 356.5' - TALC SCHIST QFP? : 350.7' to 351.7' (dark grey-white; possible ladder veins? in intermediate dike?); 358.8' to 362.3' (locally pinkish, cut by milky white CX Qtz veins); 373.7' to 377.3' (locally pink, cream-coloured or dark grey; locally clearly held apart physis; local tourmaline veins); "394.5' to 398.2' - 30% barren, white quartz - stringer system (1" wide each) with stringers @ 5°-15° to CA" (A. Brooks' log) "398.2' to 399.2' - 5" "Brooksite" units (<1" each) @ 35-40° to CA; local silification + 1% py (fine)" (A. Brooks' log) "415.7' - 417.8' - similar to 394.5' - 398.2'; 35% - 40% veining overall commonly @ 60-70° to CA" (A. Brooks' log) From ~ 438.5' to lower contact, local zones of dark spots + increase inankerite content Lower contact appears sharp, parallel to foliation-schistosity of both units @ ~ 60-70° to CA		

Robert Bald

DIAMOND DRILL LOG.

PROPERTY: HUNTER

HOLE NUMBER: H 3-86-19

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS Au g/t / ton
441.5-554	ALTERATION ZONE		
	Dark green chloritic from upper contact to ~441.8'	443.5-448.0	0.014 / 0.002 30748
	then becomes light green to khaki coloured sericite schist with carbonate + Qtz veinlets; local fuchsite	449-450.7	0.014 / 0.002 30749
	Bx: ~459' to ~485' (with quartz vein cores, barren white)	450.7-454.0	0.002 / 0.005 30750
	QVZ: ~464.5' to 465.5'; 469.0' to 470.5'; 475.5' to 476.0'; 484' to 485'		
	Bx: ~487.5' to 493.5'; 506.4' to 506.9'	480.2-485	0.030 / 0.010 30759
	Becoming dark green, chloritic from ~495'	485-487	0.007 / 0.004 30760
	"474.8'-475.1'; 478.8'-479.3' - coffee brown coloured veins -	487-490.5	0.004 / 0.005 30761
	nil pyrite + @ irregular - a.g. Co to C.A. (A. Brooks' log)	490.5-493.5	0.005 / 0.005 30762
	Bx: 513' to 524.5'; ~532' to ~533.5'; ~544' to 544.9' (with QVZ)		
	QVZ: 515.5' to 517.2' (shallow angle to CA); ~520.5' to ~522'; 523.5' to 524.3'; 530.8' to 532.5' (with CX + brown Qtz (?) very hard, irregular veins);	499.5-504.0	0.010 / 0.010 30765
	NOTE: 534.0' to 536' is split in box but no assay result is reported in log (and is not indicated as being split in log).	534-536	SPLIT ASSAY NO.
	QFP: ~542.2' to 542.5' (core mixed up; very silicified cut by milky white Feldspar + Qtz veinlets, QFP is light brown - tan, looks cherty, recrystallized); 544.9' to 545.4' (pinkish with black tourmaline veinlets; cut by glassy QV's; local very small white euhedral Feldspar phenocrysts in pink material)	536-538.5	0935
	QV: ~540.0' (< 1/2" wide, brown, ~90° to CA).	538.5-540	0936
	lower contact gradational, core becomes dark grey with little or no Q + Carb. veining;	540-541	0937
554-660.2	TALC-CHLORITE SCHIST		
	No cross-cutting chalc. veinlets.		
	Dark brown, siliceous, talc + chlorite.		
	Fault gouge @ 602.5'		
	Becomes very talcose from ~587' (chloritic from 554-587')		
	Local MX miterite crystals (pervasive carbonation?)		
	lower contact sharp at ~65° to CA, parallel to foliation units.		

Robert
Bald

86 sampling = 397.7 - 425.7; 483.3 - 497.5; 507' - 637'

PROPERTY HUNTER MIN
HOLE NUMBER HS-86-20

DIAMOND DRILL LOG LENGTH=637' (hole abandoned, rods jammed) GRID REFERENCE

@ 0' = 104°42', -50°07' (SURVEYED) @ 200' = -53°
@ 400' = -53° @ 630' = -54°

TOWNSHIP CLAIM
AZIMUTH 104°42' DIP ANGLE -50°07'
ELEVATION = 10,916.97'

DRILLING COMPANY NOREX FOREMAN Andy DIP TESTS:
CORE SIZE BQ CORE STORED AT: Mine site RELOGGED BY R. BALD DATE Aug. 16/88

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
0'-210'	CASING (OVERBURDEN, THEN SOAPSTONE, TRICONED THROUGH IT).		
210'-227'	SOAPSTONE Brecciated locally; very soft, poor core recovery		
227'-298'	FELDSPAR PORPHYRY Light grey to dark grey; FX to CX; locally contains up to ~25% milky white euhedral, locally zoned plagioclase feldspar phenocrysts in a F-MX matrix consisting of feldspar and quartz and variable amount of mafic minerals (talc, augur) upper contact gradually being substituted by black amphibole; locally porphyry has in situ breccia, and quartz-talc or amphibole veinlets (randomly oriented). Near 231', a talc veinlet also contains a bluish grey, metallic mineral hard, as a coating along veinlet or as CX crystals; possibly Magnetite? CHECK MAG Upper contact irregular and brecciated. Local FMX py and possible cp blebs generally along veinlets. Lower contact ~90° to CA but feldspar phenocrysts at contact are within a talc matrix. ~2' sample taken by Kirwin (from 283'-285')	<p>ABOUT 1 FOOT OF MISSING CORE</p> <p>227'-231'</p> <p>231'-232'</p> <p>232'-237'</p> <p>237'-242'</p> <p>242'-247'</p> <p>247'-252'</p> <p>252'-257'</p> <p>257'-262'</p>	
298'-301'	SOAPSTONE Lower contact demoted by change from chaotic, brecciated dark bluish black talc rich material to banded talc and ankeritic schist with deformed banding	286'-298'	

Robert Bald

FOOTAGE	DESCRIPTION OF CORE	SAMPLE NUMBER	ASSAYS
301'-~508'	TALC SCHIST Alternating zones 1) dark blueish black talc rich material with carbonate and quartz banding and veining and 2) Khaki to greenish grey zones similar in structure grain size & texture, possibly containing more sericite? or ankerite? (A. Brooks) Possible intermediate dike? material with silicified veinlets: from 399.7'-401.3'; 403.7'-405.7' (possible QF Porp? brownish, FX massive; from ~404.7'); 414.5'-415.0' (poss. QF Porp? with brecciated host rock within ~2" of upper contact); 417.3'-418.5' (poss. QF Porp?); 423.0'-423.7' (dark grey); Local "brooksite" bands <1" wide Local cross cutting black talc veinlets especially from ~418'-508' (commonly subparallel to core axis but variable directions) Bx: 485.2'-486.9' (with some tan-yellow siliceous fragments and a zone of almost massive chlorite from ~485.5' to 486); ~492'-~495' (with tan-yellow siliceous fragments and massive chlorite); 509'-~511' (mostly tan-yellow fragments with possible minor Feldspar porphyry; brown siliceous matrix?) Chlorite-rich zone: (almost massive chlorite to banded with carbonate) from 486.9'-489'; ~490.2'-492'; "brooksite" band (poss. brown QF Porphyry) ~3" wide with disseminated FMX pyrite near 5130		
~508'-637'	ALTERATION ZONE Bx: ~532'-537' (with possible brownish, cherty quartz veining from ~532.2'-~532.7'), locally very chlorite-rich; Chlorite schist from ~521'-~532'; From 535' onward sericite schist, locally fuchsite-rich, with ankerite and quartz veinlets. Bx: 576.8'-~578'; 584.3'-587' (very silicified with brownish cherty quartz matrix and "veining" from 584.3'-586.5' "coffee brown" vein bx - 35% coffee brown quartz veining filling around bleached, subangular, ank. rock fragments (23" diameter); nil py; 6 spks VG; upper ct @ 85° to C.A.; lower contact @ 40° to C.A. (A. Brooks' log) → NO VG seen in core that is in box	577'-578.5' 0.016 584.3'-586.5' 0.122	30825 30829

Robert Gold



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LABORATORIES LTD.**

SPECIALISTS IN MINERAL ENVIRONMENTS
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TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 887
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of ASSAY

By: **W. BALD**
For: **W. BALD**
As: **W. BALD**

File: **82-994/P1**
Date: **JULY 18/88**
Type: **ROCK ASSAY**

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE* G/TONNE	AU-FIRE OZ/TON
0250	.01	0.001
0251	.08	0.002
0252	.64	0.019
0253	.24	0.007
0253	5.80**	0.169

0256	.44	0.013
0257	.04	0.001
0258	.06	0.002
0259	.03	0.001
0260	.02	0.001

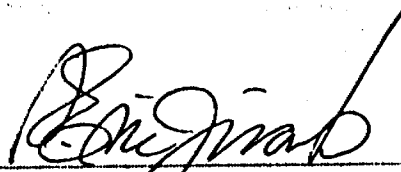
0261	.01	0.001
0262	.01	0.001
0263	.01	0.001
0264	.03	0.001
0265	.02	0.001

0266	1.54	0.045
0267	.10	0.003
0270	.03	0.001
0271	.17	0.005
0272	.72	0.021

0273	.10	0.003
0274	.03	0.001
0275	.09	0.003
0276	.04	0.001
0277	.10	0.003

0278	.03	0.001
0279	.09	0.003
0280	.01	0.001
0281	.04	0.001
0315	.02	0.001

* 1 ASSAY TON
** SAMPLE CONTAINS POSSIBLE METALLICS

Certified by 

MIN-EN LABORATORIES LTD.

Certificate of ASSAY

Client: WABIGOOD
Project: WABIGOOD
Attn: R. BALD

File: 82-994/P2
Date: JULY 18/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AG-FIRE*AU-FIRE G/TONNE OZ/TON
0317	.01 0.001
0318	.01 0.001
0319	.01 0.001
0322	.02 0.001
0323	.01 0.001
0324	.02 0.001
0325	.05 0.001
0326	.01 0.001
0327	.09 0.003
0328	.06 0.002
0329	.01 0.001
0330	.01 0.001
0331	.02 0.001
0332	.01 0.001
0333	.01 0.001
0334	.02 0.001
0335	.01 0.001
0336	.03 0.001
0351	.15 0.004
0352	.01 0.001
0353	.01 0.001
0354	.02 0.001
0355	.01 0.001
0356	.01 0.001
0510	.01 0.001
2520	.11 0.003
2521	.41 0.012
2522	1.47 0.043
2523	1.44 0.042
2524	3.20** 0.093

* 1 ASSAY TON
** SAMPLE CONTAINS POSSIBLE METALLICS

Certified by 

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TIMMINS OFFICE:
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P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of ASSAY

Company: WABIGOOD
Address: WABIGOOD
Attention: R. BALD

File: 82-994/P3
Date: JULY 19/88
Type: ROCK ASSAY

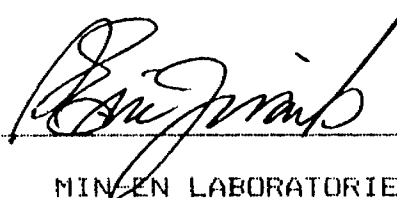
We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE G/TONNE	AU-FIRE OZ/TON
2525	1.08	0.032
2526	.07	0.002
2527	.01	0.001
2528	.03	0.001
2529	150.35	4.385

2530	.14	0.004
2531	.29	0.008
2532	.02	0.001

* 1 ASSAY TON

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Specialists in Mineral Environments
705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604) 980-5814 OR (604) 988-4524

TELEX: VIA USA 7601067 BC

Certificate of GEOCHEM

Company: WABIGOON RESOURCES
Project: HUNTER
Attention: R. BALD

File: 82-276/P1
Date: FEB 18/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
003	.02	0.001
008	.01	0.001
020	.03	0.001
021	.02	0.001
045	.01	0.001
073	.01	0.001
077	.02	0.001
092	.01	0.001
094	.05	0.001

Certified by



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Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

TELE: (604) 980-5814 DR (604) 988-4524

TELEX: VIA USA 7601067 MC

Certificate of ASSAY

Company: WABIBOON RESOURCES
Project: HUNTER
Attention: R. BALD

File: 82-275/P1
Date: FEB 18/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
00 01	.01	0.001
00 02	.17	0.005
00 04	.01	0.001
00 05	.06	0.002
00 06	.02	0.001
00 07	.03	0.001
00 09	.10	0.003
00 10	.01	0.001
00 11	.01	0.001
00 12	.02	0.001
00 13	.04	0.001
00 14	.02	0.001
00 15	.03	0.001
00 16	.01	0.001
00 17	.01	0.001
00 18	.01	0.001
00 19	.02	0.001
00 22	.01	0.001
00 23	.03	0.001
00 24	.04	0.001
00 25	.06	0.002
00 26	.03	0.001
00 27	.02	0.001
00 28	.05	0.001
00 29	.03	0.001
00 30	.04	0.001
00 31	.01	0.001
00 32	.06	0.002
00 33	.02	0.001
00 34	.12	0.004

Certified by



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Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

TEL (604) 980-5814 OR (604) 988-4524

TELEX VIA USA 7601067 UC

Certificate of Assay

Company: WABIGDON RESOURCES

Project: HUNTER

Attention: R. BALD


File: B2-275/P2

Date: FEB 18/88

Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
00 35	.05	0.001
00 36	.15	0.004
00 37	.02	0.001
00 38	.10	0.003
00 39	.01	0.001
00 40	.02	0.001
00 41	.12	0.004
00 42	.01	0.001
00 43	.14	0.004
00 44	.02	0.001
00 46	.06	0.002
00 47	.01	0.001
00 48	.09	0.003
00 49	.14	0.004
00 50	.02	0.001
00 51	.03	0.001
00 90	.24	0.007
00 91	.01	0.001
00 93	.01	0.001
00 95	.04	0.001
00 96	.03	0.001
00 97	.01	0.001
00 98	.02	0.001

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PHONE: (604) 980-5814 DR (604) 980-4524

TELEX: VIA USA 7601047 UC

Certificate of ASSAY

Company: WABIGDON RESOURCES
Project: HUNTER MINE
Attention: R. BALD

File: 02-202/R1
Date: FEB 19/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
099	.01	0.001
100	.01	0.001
101	.01	0.001
102	.02	0.001
103	.01	0.001
104	.03	0.001
105	.14	0.004
106	1.05	0.031
107	.37	0.011
108	.02	0.001
109	.01	0.001
110	.05	0.001
111	.03	0.001
112	.14	0.004
113	.09	0.003
114	.09	0.003
115	.08	0.002
116	.41	0.012
117	.02	0.001
118	.04	0.001
119	.17	0.005
120	.13	0.004
121	.13	0.004
122	.01	0.001

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File: (604)980-5814 OR (604)988-4524

TELEX: VIA USA 7601067/AC

Certificate of ASSAY

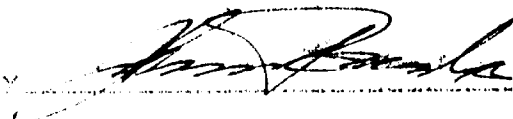
Company: WABIGOON RESOURCES
Project: HUNTER
Attention: R. BALD

File: 82-291/P1
Date: FEB 20/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
0235	.01	0.001
0236	.02	0.001
0237	.01	0.001
0238	.01	0.001
0239	.03	0.001
0240	.02	0.001
0254	.02	0.001
0255	.08	0.002
0268	.01	0.001
0285	.05	0.001
0286	.09	0.003
0300	4.52	0.132
0316	.01	0.001
0318	.03	0.001
0320	.02	0.001
0123	.04	0.001
0124	.01	0.001
0125	.02	0.001

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Tel: (604) 980-5814 OR (604) 988-4524

TELEX VIA USA 7601067 UC

Certificate of ASSAY

Company: WARIBOON RESOURCES

Project: HUNTER

Attention: R. BALD

File: B2-292/P1

Date: FEB 22/88

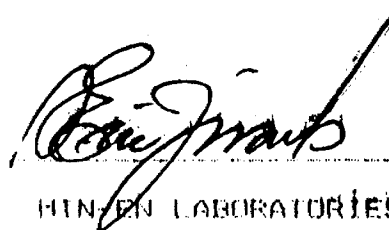
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
0126	.02	0.001
0127	.03	0.001
0128	.06	0.002
0129	1.00	0.029
0130	.03	0.001
10-1*	152.00	4.433
10-2*	5.13	0.150
10-3*	41.76	1.218

*BEADS RETURNED.

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705 West 15th Street North Vancouver, B.C. Canada V7H 1T2

Et (604)980-5814 DR (604)988-4524

TELEX VIA USA 7601667 UC

Certificate of ASSAY

Company: WABIGOOD RESOURCES
Project: HUNTER MINE
Attention: R. BALD

File: 82-314/#1
Date: FEB 22/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted:

Sample Number	AU G/TONNE	AU OZ/TON
01 31	.10	0.003
01 32	.01	0.001
01 33	.02	0.001
01 34	.01	0.001
01 35	.05	0.001
01 36	.01	0.001
01 37	.08	0.002
01 38	.03	0.001
01 39	.01	0.001
01 40	.01	0.001
01 41	.01	0.001
01 42	.16	0.005
01 43	.01	0.001
01 44	.01	0.001
01 45	.01	0.001
01 46	.10	0.003
01 47	.02	0.001
01 48	.01	0.001
01 49	.01	0.001
01 50	.01	0.001
01 51	.02	0.001
01 52	.01	0.001
01 53	.01	0.001
01 54	.01	0.001
01 55	.02	0.001
01 56	.01	0.001
01 57	.01	0.001
01 58	.01	0.001
01 59	.01	0.001

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E: (604) 980-5814 OR (604) 988-4524

TELEX: VIA USA 7601047 WC

Certificate of ASSAY

Company: WABIGOODN RESOURCES
Project: HUNTER MINE
Attention: R. BALD

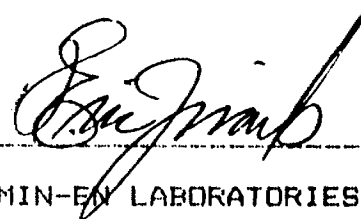
File: 82-332/P1
Date: FEB 25/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
2501	*.81	0.024
2502	.01	0.001
2503	.01	0.001
2504	.06	0.002
2505	.01	0.001
2506	.01	0.001
2507	*4.28	0.125
2508	.61	0.018
2509	.18	0.005
2510	.01	0.001
2511	.02	0.001
2512	.01	0.001
2513	.01	0.001
2514	*.50	0.015

*SAMPLES CONTAIN METALLIC GOLD.

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TELEX: VIA USA 7601067 MC

Certificate of ASSAY

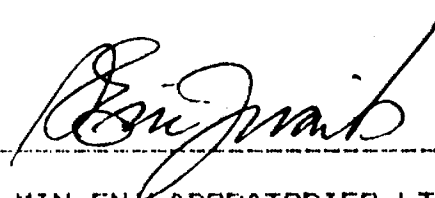
Company: WABIGOON RESOURCES
Project: HUNTER MINE
Attention: R. BALD

File: 82-336/P1
Date: FEB 26/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TDN
0160	.02	0.001
0161	.01	0.001
0162	.01	0.001
0163	.01	0.001
0164	.01	0.001
0165	.01	0.001
0166	.06	0.002
0167	.01	0.001
0168	.01	0.001
0169	.01	0.001
0170	.01	0.001
0171	.03	0.001
0172	.02	0.001
0173	.01	0.001
0174	.01	0.001
0175	.04	0.001
0176	.01	0.001
0177	.01	0.001
0178	.01	0.001
0179	.02	0.001
0180	.10	0.003
0181	.01	0.001
0182	.01	0.001
0183	.01	0.001
0184	.03	0.001
0185	.05	0.001
0186	.02	0.001
0187	.01	0.001
0188	.01	0.001
0189	.01	0.001

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795 West 15th Street North Vancouver, B.C. Canada V7M 1T2

NE: (604) 980-5814 OR (604) 980-4574

TELEX: VIA USA 7601067 UC

Certificate of ASSAY

Company: WARTWOOD RESOURCES

Project: HULLER PTIES

Attention: R. BAIRD

File: 82-336/P2

Date: FEB 27/88

Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	GH G/TONNE	AU G/TON
0190	.02	0.001
0191	.01	0.001
0192	.01	0.001
0193	.04	0.001
0194	.01	0.001
0195	.07	0.002
0196	.02	0.001
0197	.40	0.012
0198	.01	0.001

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IE: (604) 980-5814 OR (604) 988-4524

TELEX VIA USA 7601047 UC

Certificate of ASSAY

Company: WABIGDON RESOURCES
Project: HUNTER MINE
Attention: R. BALD

File: 82-348/P1
Date: FEB 27/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
0199	.41	0.012
0200	.36	0.011
0297	.01	0.001
0298	.01	0.001
0299	.02	0.001
0301	.05	0.001
0302	.03	0.001
0303	.01	0.001
0304	.01	0.001
0305	.02	0.001
0306	.01	0.001
0307	.01	0.001
0308	.02	0.001
0309	.01	0.001

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TELEX: VIA USA 7601067 UC

Certificate of ASSAY

Company: WARTBOON RESOURCES

Project: HUNTER MINE

Attention: R. BALD

File: B2-361/P1

Date: FEB 28/88

Type: ROCK ASSAY

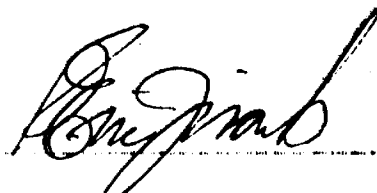
We hereby certify the following results for samples submitted.

Sample Number	*AU G/TONNE	*AU OZ/TON
310	.02	0.001
311	.04	0.001
312	.01	0.001
325	.10	0.003
326	.17	0.025
327	.05	0.001
328	.01	0.001
329	.01	0.001
330	.01	0.001
331	**1.33	0.039
332	.50	0.015
333	.01	0.001
334	.02	0.001
335	.01	0.001
336	.01	0.001
337	.04	0.001
338	.01	0.001

*AU = ASSAY TON.

**SAMPLE CONTAINS METALLIC GOLD.

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TELEX VIA USA 7401067 MC

Certificate of ASSAY

Company: WABIGOON RESOURCES
Project: HUNTER MINE
Attention: R. BALD

File: B2-386/P1
Date: MAR 5/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

	AU G/TONNE	AU OZ/TON
	.04	0.001
	.11	0.003
	.90	0.026
	.01	0.001
	.09	0.003
	.16	0.005
	.01	0.001
	.01	0.001
	.01	0.001
	.01	0.001
	.06	0.002
0398	.25	0.007
0399	.05	0.001
0400	.01	0.001
0401	.41	0.012
0402	.02	0.001
0403	.03	0.001
0404	.01	0.001
0405	.04	0.001
0406	.02	0.001
0407	.01	0.001
0408	.01	0.001
0409	.01	0.001
0410	.03	0.001
0411	.01	0.001
0412	.01	0.001
0413	.02	0.001
0414	.01	0.001
0415	.01	0.001
0416	.09	0.003

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42A06NE0087 63.5479 WHITNEY

900

163.5479

OM 88-6-L-139

THIS SUBMITTAL CONSISTED OF VARIOUS REPORTS, SOME OF WHICH HAVE BEEN CULLED FROM THIS FILE. THE CULLED MATERIAL HAD BEEN PREVIOUSLY SUBMITTED UNDER THE FOLLOWING RECORD SERIES (THE DOCUMENTS CAN BE VIEWED IN THESE SERIES):

1 General Account - The Hunter Mine => See file 63.5069
 Property; Wabigoon Res. Inc.; OM 86-5-P-137
 John L. Kirwin; Mar / 87.

63.5479.

WABIGOON RESOURCES LIMITED

OM 88-6-L-139

*Hunter Gold Mines Limited
Silverwedge Mines Limited
Gulfshore Uranium Mines Limited
Canadian Soapstone Mines Limited*

OMEP APPLICATION FOR GRANT.

NUMBER OM 88-6-L-139.

HUNTER GOLD MINES LIMITED.

Enclosed is Technical Information (in duplicate) including:

Dr. John L. Kirwan's Report dated December 20, 1988.

Dr. John L. Kirwan's Report dated October 28, 1988.

Roberta C. Bald's Report dated September 19, 1988.

Diamond Drill Logs with assays.

Dr. John L. Kirwan's Report dated Mar. 20/87 updated May 18/88.

--- for background information.