

DIAMOND DRILLING



42A06NW0227 18 OGDEN

010

TOWNSHIP: Ogden

REPORT No.: 18

WORK PERFORMED BY: J. V. Bonhomme

<u>CLAIM No.</u>	<u>HOLE No.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
P 525487	80-1	301.0	July/80	(1) (3)
P 21515	80-2	245.0	July/80	(3)
P 516478	80-3	553.0	July/80	(2) (3)
P 480782	80-4	552.0	Aug/80	(2) (3)
P 480787	80-5	770.0	Aug/80	(2) (3)
	80-6	857.0	Sept/80	(2) (3)
	80-7	747.0	Sept/80	(2) (3)
P 480788	80-8	757.0	Sept/80	(2) (3)
H.S. 957	80-9	1397.0	Oct/80	(3)
	80-11	1257.0	Oct-Nov/80	(3)
	80-13	985.0	Nov/80	(3)
	80-14	977.0	Nov/80	(3)
	80-17	854.0	Dec/80	(3)
H.S. 961	80-10	1067.0	Oct/80	(3)
	80-12	857.0	Nov/80	(3)
	80-15	887.0	Nov-Dec/80	(3)
	80-16	650.0	Dec/80	(3)
	80-18	757.0	Dec/80	(3)

NOTES:

- (1) #161-80
- (2) #213-80
- (3) OMEP Report #OM24-PE20-I-80

865

**SHIELD GEOPHYSICS LIMITED**

AIRPORT ROAD, TIMMINS, ONTARIO

TELEPHONE (705) 264-9405  
 MAILING ADDRESS:  
 P.O. BOX 630  
 TIMMINS, ONTARIO  
 P4N 7G2

MINING EXPLORATION CONSULTANTS & CONTRACTORS

December 30, 1980.



020

Mr. J. V. Bonhomme,  
 168 Algonquin Blvd. E.,  
 Timmins, Ontario.

Dear Sir:

Re: Progress Report  
Drill Programme - Ogden Township

The drilling completed to date includes eight holes, totalling 4782 feet (Report of October 6, 1980), and ten holes summarized as follows:

<u>Hole No.</u>	<u>Location</u>	<u>Direction</u>	<u>Dip</u>	<u>Depth(ft.)</u>
80-9	116' West & 75.5' south of hole H-15	N10°E	70°	1397
80-10	116' West & 57.5' north of hole H-15	N	70°	1060
80-11	267' West & 92' south of hole H-15	N	70°	1257
80-12	267' West & 57.5' north of hole H-15	N	70°	857
80-13	116' West & 176' south of hole H-15	N	70°	985
80-14	116' West & 326' south of hole H-15	N	70°	977
80-15	116' West & 207' north of hole H-15	N	70°	887
80-16	267' West & 157' north of hole H-15	N	70°	650
80-17	267' West & 192' south of hole H-15	N	70°	854
80-18	34' East & 60' north of hole H-15	N	70°	757

Note: Hole H-15 is 641 feet S52°W from centre line of shaft No. 1 crossing shaft No. 2

Footage	9688
Holes 1 to 8	<u>4782</u>
Total Footage	<u>14470</u>

Whereas the previous holes were exploratory, this group of drill holes may be classified as exploration-development. The presence of gold is known from previous drilling. The objective, therefore, was to confirm the dimensions and grade of the gold mineralization.

With the exception of the last hole, 80-18, the drilling forms two north-south sections 150 feet apart. The drilling is shown on preliminary drawings at a scale of one inch to two hundred feet.

### Vein Zone Mineralization

Intersections in nine of the ten drill holes indicate that the vein zone occurs in a carbonatized intermediate volcanic, probably tuffaceous, or a more massive buff coloured aplite, within a zone of irregularly distributed tourmaline mineralization up to 150 feet wide. The lack of quartz associated with the tourmaline is notable.

The gold bearing portion of the vein zone is not well defined except for a greater concentration of quartz-carbonate veins and stringers and more pyrite mineralization. In hole 80-17 for instance, vein material occurs over a width of almost 100 feet. Significant gold values are present within the central portion of this zone where the quartz-carbonate-tourmaline veining averages 40 per cent over a width of about 18 feet. It is expected that key features of the mineralization associated with significant gold values will become obvious as drilling progresses.

### Attitude and Dimensions of the Vein Zone

As shown on the sections the vein zone forms a fairly well defined tabular zone trending about east-west and dipping an average 45° south above and below the seven hundred foot level. The zone appears to top near the 500 foot level but is open to depth and east and west along strike. The gold bearing vein zone ranges from 5 to 23.7 feet wide and averages about 12 feet. Contours of the upper contact of the vein zone suggest that the better gold values are associated with a steeper dip of the vein.

### Distribution of Gold Values

Gold values within the vein zone range from trace to 0.38 oz. gold per ton over 5 feet. Two holes, namely 80-10 and 80-17, intersected much higher than usual gold values; at a

depth of 605 feet 80-10 intersected 0.20 oz. gold over 23.7 feet and at a depth of 779 feet, 80-17 intersected 0.29 oz. over 17.7 feet. Within the vein zone this higher grade section plunges southwesterly, apparently where the dip of the vein steepens. Although this feature will influence the locations of future drill holes, there is insufficient evidence available to suggest that only the higher grade section represents potential ore within the lower grade vein zone. Statistically a limited number of drill core samples are unreliable in calculating the average grade of a gold deposit.

#### Conclusions and Recommendations

A gold bearing vein zone, having substantial dimensions, has been partially outlined by ten drill holes. Within the vein zone a southwestward plunging higher grade gold zone is apparent. Although the results are encouraging further drilling is required to properly evaluate the gold mineralization.

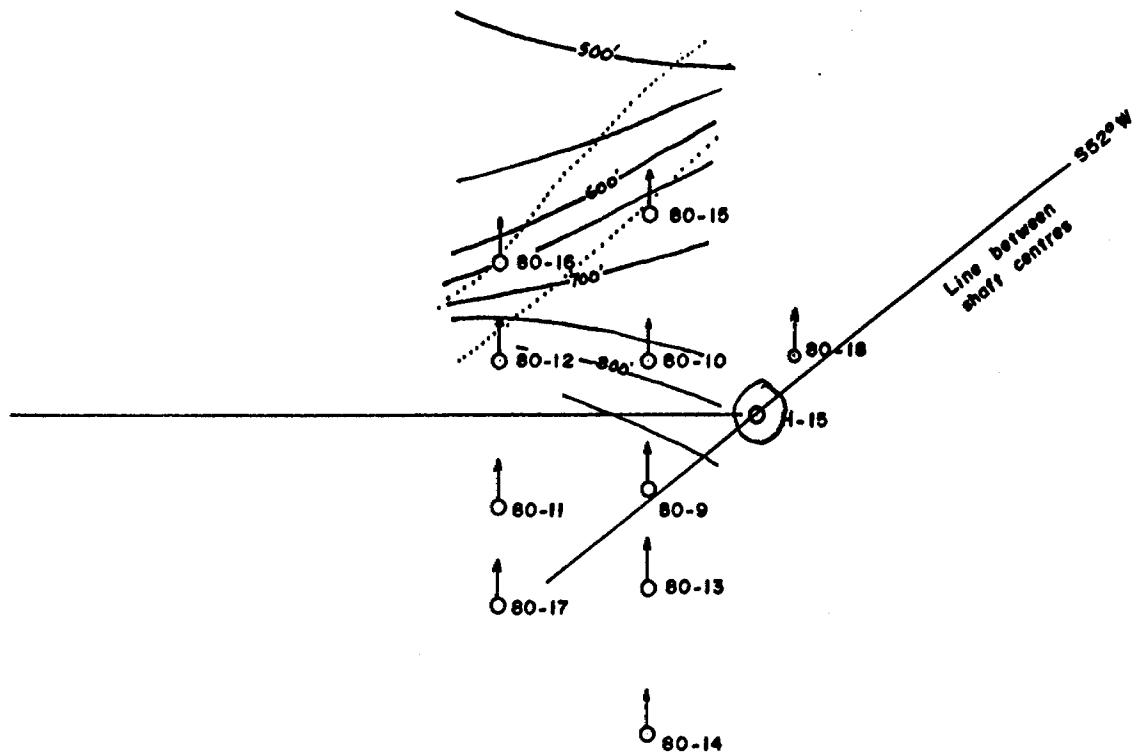
It is proposed to investigate the east and west extensions of the zone by drilling along north-south sections at 150 foot intervals. To the east two holes are required to complete a section including hole 80-18. At least one additional hole is required below the excellent values in hole 80-17. West of hole 80-17 150 feet, at least four holes are required to form a section to investigate the southwestward extension of the vein zone. The immediate requirement, therefore, is six drill holes totalling approximately 5000 feet, all drilled north at 70°. Further encouragement from this drilling would justify a continuation of the drill programme.

Yours truly,  
SHIELD GEOPHYSICS LIMITED,



R. J. Bradshaw, P. Eng.

RJB:pd



**SYMBOLS**

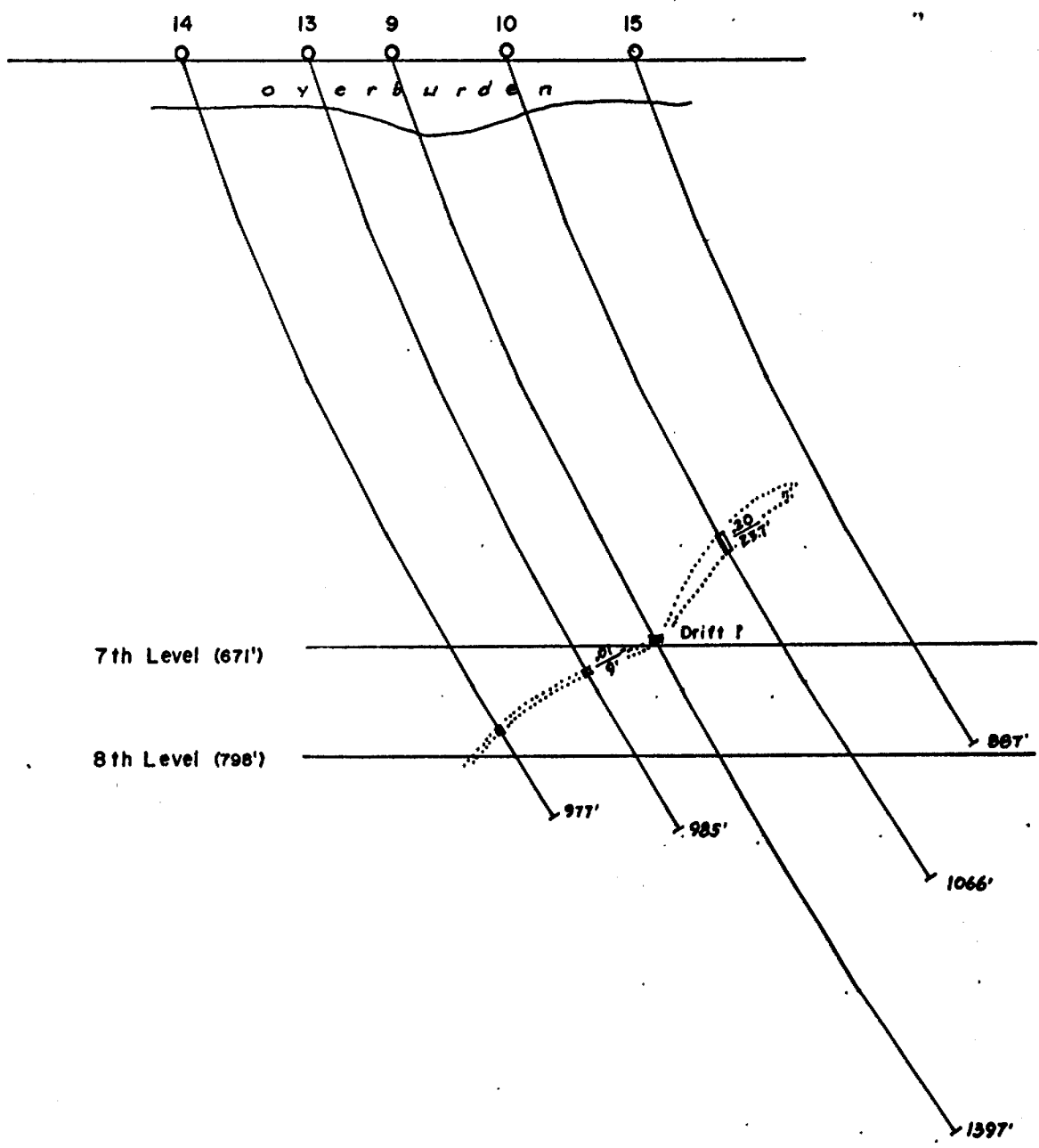
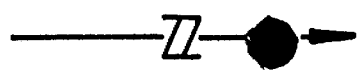
- 600- Contour of upper contact of gold vein
- ..... Zone of higher gold values

Preliminary  
Plan of  
J. V. Bonhomme Drilling  
Scale: 1" = 200'

All holes at 70°

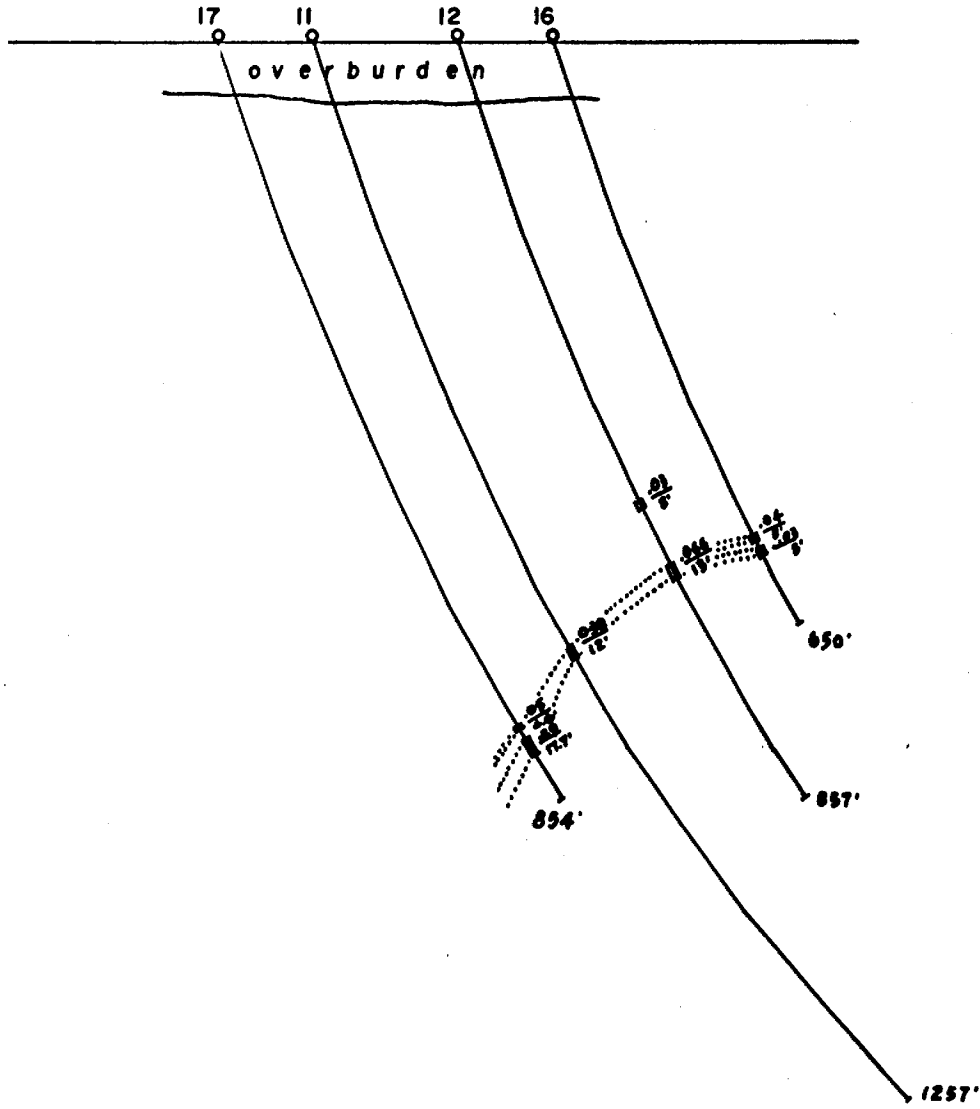
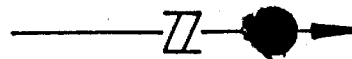
December

1980



Preliminary  
J. V. Bonhomme Drilling  
Section 116' West of H-15  
Scale: 1" = 200'

December 1980



Preliminary  
J. V. Bonhomme Drilling  
Section 267 West of H-15  
Scale: 1" = 200'

December 1980

SHIELD GEOPHYSICS LIMITED

MINING EXPLORATION CONSULTANTS & CONTRACTORS

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44 AVENUE SOUTH, TIMMINS, ONTARIO

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267-89250

October 6, 1980.



42A06NW0227 18 OGDEN

030

Mr. J. V. Bonhomme,  
168 Algonquin Blvd. E.,  
Timmins, Ontario.

Dear Sir:

Re: Progress Report  
Drill Programme - Ogden Township

A summary of the drilling completed to date is as follows:

<u>Hole No.</u>	<u>Location</u>	<u>Direction</u>	<u>Dip</u>	<u>Depth</u>
80-1	Base line 71+00 East	grid North	50°	301'
80-2	Line 48 East 48+00 North	grid North	50°	245'
80-3	Line 48 East 37+50 North	grid North	50°	553'
80-4	Line 36 East 10+00 North	grid North	50°	552'
80-5	Line 32 East 6+50 South	grid North	50°	770'
80-6	Line 32 East 10+00 South	grid North	50°	857'
80-7	Line 16 East 24+50 South	grid North	53°	747'
80-8	Line 24 East 20+00 South	grid North	50°	757'
Total Footage October 1, 1980				4782'



### Drilling Results

Hole 80-1 - This hole was drilled on claim P525987 mainly to satisfy assessment work requirements but also to investigate an unexplored area of the volcanics in which gold mineralization is present to the west on patented claim 805.

Although quartz-tourmaline stringers were intersected in carbonate intermediate volcanics, no gold values are present.

To complete the assessment work requirements on claim P525987 and P525988 to the south the geophysical survey work will have to be extended on to claim P525988.

Hole 80-2 - This hole was located to investigate a weak conductive zone in an unexplored area to the north, interpreted to be underlain by sediments. It collared in a diabase dyke and, therefore, was abandoned.

Hole 80-3 - Drilled on claim P516478, this hole collared in fine grained sediments with stringers and veinlets of quartz-carbonate. No significant gold values were encountered.

No obvious mineralization accounts for weak Conductor B intersected by hole 80-3.

Hole 80-4 - Conductor C was investigated by hole 80-4. This weak feature was thought to possibly represent the main volcanic-sedimentary contact. Fine grained carbonaceous sediments with occasional quartz-carbonate stringers, lacking in gold values, were encountered in this hole.

Hole 80-5 - This hole was located to investigate a strong conductor, termed D, on claim P480787 apparently previously drilled to the east by hole H30. No logs are available for the series H drilling.

A prominent pyritized graphitic zone in the fine grained carbonaceous sediments accounts for the conductor. Low grade gold values up to 0.02 oz. gold per ton are associated with heavy pyrite mineralization in the graphitic zone. The writer was instructed to have the samples assayed for silver, zinc, and copper. The values for these metals are typical for the host rock.

Hole 80-6 - Drilled 350 feet south of hole 80-5, this hole was located to explore for the main volcanic-sedimentary contact and parallel pyritized zones to the south of Conductor D.

It encountered pyritized graphitic zones like those in hole 80-5 within the fine grained carbonaceous sediments. A 5 foot intersection assayed 0.02 oz. gold. Similarly the values for silver, zinc, and copper are typical for pyritized carbonaceous sediments.

Hole 80-7 - This hole was drilled to investigate previously unexplored conductor E in the volcanic rocks. A pyritized graphitic slate horizon accounts for the conductivity. A strong quartz vein, 13.2 feet wide, was intersected at a depth of 568 feet, without gold values, however.

Hole 80-8 - Located on claim P480788, this hole was situated to investigate the projected gold bearing horizon from the mine site to the east. A carbonatized unit from 174 feet, the collar of the hole to 302 feet may represent the favourable horizon; however, significant quartz-carbonate veining is lacking. Also the main volcanic-sedimentary contact was intersected at a depth of 588 feet. No gold values were encountered.

### Conclusions

Although significant gold deposition has not been encountered in the drilling completed to date a better understanding of the geology has resulted in this area of extensive deep overburden.

It is apparent that the main volcanic-sedimentary contact, adjacent to the north of the De Santis mine site, has been shifted to the south, west of the mine, by a series of cross faults or folding.

A zone within several hundred feet of the volcanic-sedimentary contact is the most favourable target area for gold mineralization. Completing the magnetic-electromagnetic survey on the unsurveyed patented claims would assist the location of the offsetting cross faults and the precise location of the contact zone. The eastward extensions of stronger conductors D, E, and F form marker horizons for the interpretation.

Hole 80-9, presently drilling, is located approximately 50 feet south of hole H19 which had an intersection of 15.4 feet assaying 0.194 oz. gold per ton near the 700 foot horizon. On successful confirmation of this zone, holes will be drilled at 100 to 150 foot intervals to fully delineate the gold deposit. It is necessary that all of the holes in this phase of the programme be surveyed because of the depth of the drilling, in the order of 1000 feet. The necessary survey equipment is on hand.

Respectfully submitted,  
SHIELD GEOPHYSICS LIMITED,

RJB:pd

R. J. Bradshaw, P. Eng.

# DIAMOND DRILL RECORD

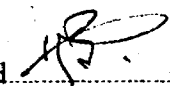
PROPERTY J. V. BONHOMME HOLE NO. 80-1

TOWNSHIP Ogden Township PAGE NO. 1

LOCATION Base Line CORE LOCATION Pine St. S. STARTED July 22, 1980  
71+00 East DATUM \_\_\_\_\_ COMPLETED July 23, 1980  
 BEARING grid North DEPTH 301'  
 ELEVATION \_\_\_\_\_ DIP 50°

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz		
0 - 20	Overburden (casing)					
20 - 116.5	Intermediate Carbonatized Volcanic: medium green, incipient bending @ 90° to c.s. from schistosity; carbonatized as fine dissemination, seams, clots.					
65-69.4	2", 1", 1" qtz-tourmaline str. @ 90°, slight pyrite	1-1	4.4	nil		
76.6-80.1	3" & 2" qtz-tourmaline str. @ 90°, sil. pyrite	1-2	3.5	nil		
88.4-94.0	4" qtz-tourmaline str. & numerous str. of carbonate (up to 1") @ 90°	1-3	5.6	Tr		
103-116.5	heavily carbonatized with carbonate stringers					
116.5 - 301	Intermediate Carbonatized Volcanic: bleached from fine carbonate, uniform, medium green, fine grained & carbonate seaming up to 4".					
181.6-186.6	white to grey carbonate seaming up to 4"	1-4	5.0	Tr		
242-245.5	1" pyrrhotite seam	1-5	3.5	nil		

Drilled By Dominik Drilling

Signed  \_\_\_\_\_

SHIELD GEOPHYSICS LIMITED

# DIAMOND DRILL RECORD

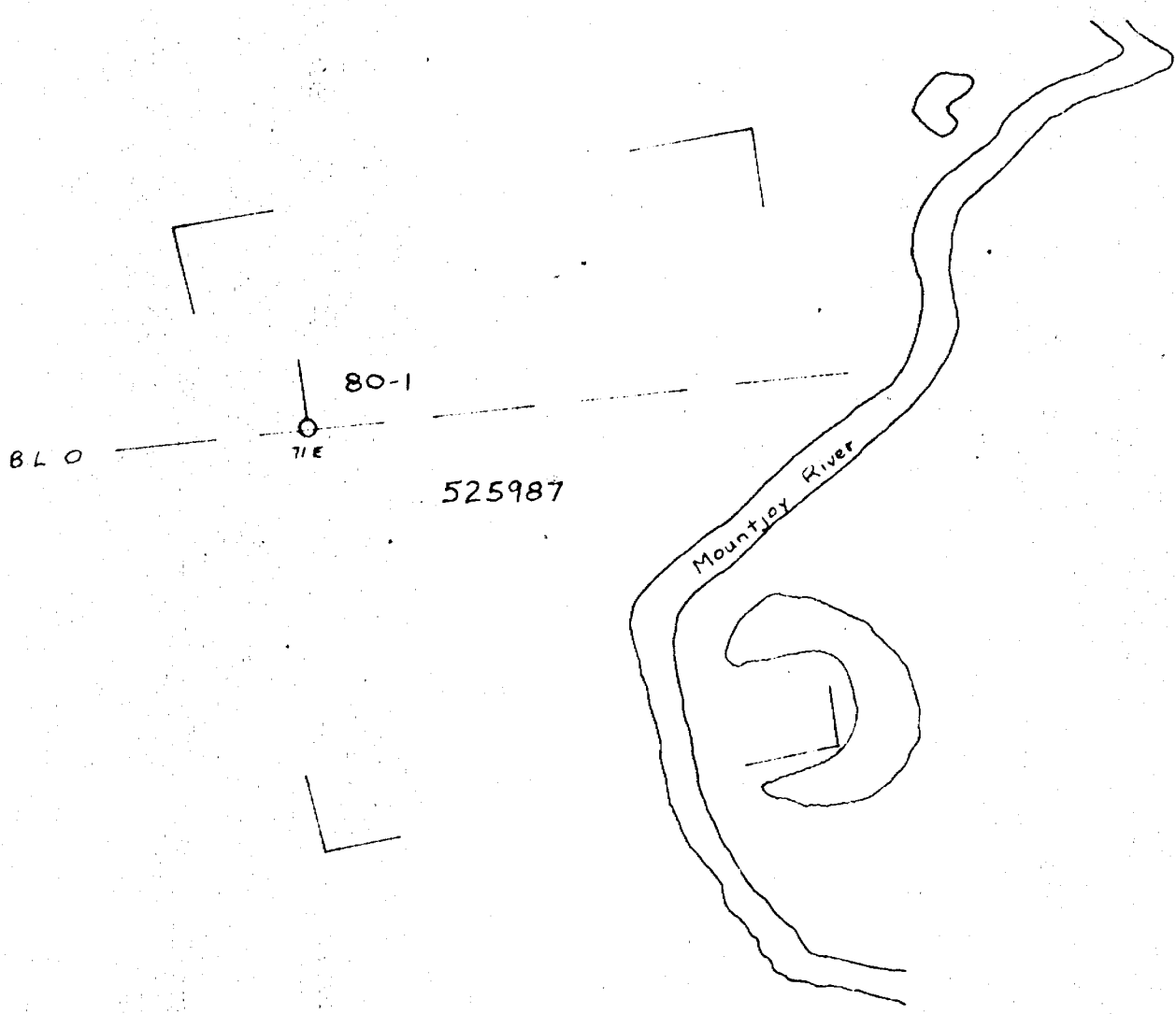
PROPERTY J. V. BONHOMME HOLE NO. 80-1  
 TOWNSHIP Ogden Township PAGE NO. 2

LOCATION \_\_\_\_\_ CORE LOCATION \_\_\_\_\_ STARTED \_\_\_\_\_  
 \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 \_\_\_\_\_ BEARING \_\_\_\_\_ DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE			
251.5	as above but much more uniform, much less carbonate & qtz veining					
272	1" qtz str.					
285	1.5" qtz str. @ 45°					
301	1" qtz str. @ 70°					
301	END.					
	<u>Dip Test</u>					
	300' - 45° True					

Drilled By \_\_\_\_\_

Signed *[Signature]*  
 SHIELD GEOPHYSICS LIMITED



LOCATION HOLE 80-1

OGDEN TOWNSHIP

1" = 400'

July

1980

# DIAMOND DRILL RECORD

PROPERTY J. V. BONHOMME HOLE NO. 80-2  
TOWNSHIP Ogden Township PAGE NO. 1

LOCATION Line 48+00 East CORE LOCATION 79 Pine St. S. STARTED July 28, 1980  
Station 48 North DATUM \_\_\_\_\_ COMPLETED July 30, 1980  
BEARING grid North DEPTH 245'  
ELEVATION \_\_\_\_\_ DIP 50°

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE					
0 - 125	Casing (overburden).							
125 - 245	Diabase: med. grained, grey green.							
	150-157 core ground							
	173-177 core ground							
245	END.							

Drilled By Dominik

Signed [Signature]  
SHIELD GEOPHYSICS LIMITED

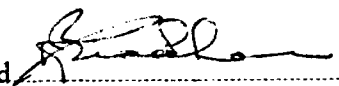
# DIAMOND DRILL RECORD

PROPERTY J. V. BONHOMME HOLE NO. 80-3  
 TOWNSHIP Ogden Township PAGE NO. 1

LOCATION Line 48 East CORE LOCATION 79 Pine St. S. STARTED July 31, 1980  
Station 37+50 N DATUM \_\_\_\_\_ COMPLETED Aug. 6, 1980  
 BEARING grid North DEPTH 553'  
 ELEVATION \_\_\_\_\_ DIP 50°

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz		
0 - 90	Casing (overburden).					
90 - 553	Graywacke: massive, v. f. gr. gray to black; faint banding at about 70° to c.a.					
111	1" qtz-carbonate str. @ 50° to c.a.					
140.6	1" qtz str. @ 70°					
145 & 146	1" qtz str. @ 70°					
148.5	1" qtz str. @ 60°					
152-154	50% qtz carbonate as str. v. sli. py	3-1	2.0	nil		
161	½" qtz str. @ 90°					
235	2" irreg. serpentine					
241	8" & 5" qtz-carb str. + sli. diss. py, po @ 60°	3-2	4.0	nil		
292.5	2" irreg. qtz					
329	2 - ½" qtz-carb str. @ 70°					
345.8	2" qtz-carb str.					
353.5	2" qtz-carb str.					
363.2	1" qt <sub>2</sub> str. @ 50°					
364.8	1" qtz str. @ 50°					
366.4-368.4	2" & 10" qtz-carb; chlorite talc seams + odd speck of cpy	3-3	2.0	Tr		

Drilled By Dominik

Signed  \_\_\_\_\_  
 SHIELD GEOPHYSICS LIMITED



# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-3  
 TOWNSHIP..... PAGE NO. 2

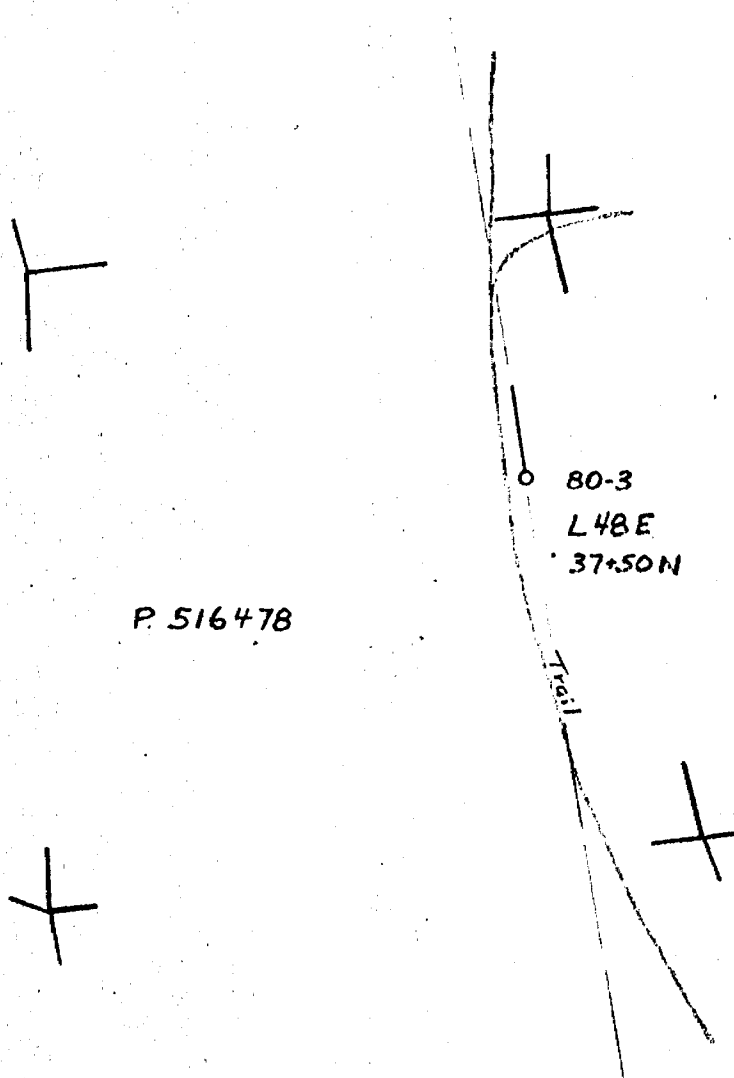
LOCATION..... CORE LOCATION..... STARTED.....  
 ..... DATUM..... COMPLETED.....  
 ..... BEARING..... DEPTH.....  
 ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz		
	banding in greywacke-slate @ 70° to c.s.					
436.6	2 - ½" qtz str.					
470.5	½" qtz str. + sli. py					
472.0	½" " " + " "					
477.6	½" " " + " "					
479	1" " " + " "					
481.4	1" " " + " "					
483.5	2" qtz str. + sli. py					
	little purple fluorite in 1/8" qtz str's					
528-529	4" qtz-carb @ 70° + sli. co. pyrite	3-4	1.4	0.01		
534.5-541.5	3", 7", 6" qtz str. @ 70° + sli. sulphides	3-5	7.0	0.01		
553	END.					
	At 500' true angle is 46°					

Drilled By.....

Signed .....

SHIELD GEOPHYSICS LIMITED



LOCATION OF HOLE 80-3

OGDEN TOWNSHIP

1" = 400'

# DIAMOND DRILL RECORD

PROPERTY J. V. BONHOMME HOLE NO. 80-4  
 TOWNSHIP Ogden Township PAGE NO. 1

LOCATION Line 36 East CORE LOCATION 79 Pine St. S. STARTED August 8, 1980  
Station 10+00 North DATUM \_\_\_\_\_ COMPLETED August 14, 1980  
 BEARING grid North DEPTH 552'  
 ELEVATION \_\_\_\_\_ DIP 50°

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
0 - 120	Casing (overburden).						
120 - 552	Slate-Greywacke: black, f. gr. slight banding.						
	139-146 vuggy						
	175-177 core ground						
	185 2" qtz-carb						
	186 1" qtz-carb						
	203.5-207.5 50% qtz veining + sericite, sli. py	4-1	4.0				
	380-381.4 2" qtz str. @ 70° to c.e.	4-2	1.4	Tr			
	402.5 1" qtz str.						
	427.8-430.5 2", 2 - 1" qtz-carb str.	4-3	2.7	Tr			
	452.5-457 2" & 1" qtz-carb str.	4-4	4.5	Tr			
	457-458 30% qtz-carb str.	4-5	1.0	Tr			
	460-462.4 40% qtz-carb str., 2 different ages one @ 70°, one @ 10°	4-6	2.4	Tr			
	466-467	4-7	1.0	Tr			
552	END.						
	Dip at 500' - 46°						

Drilled By Dominik Drilling

Signed *[Signature]*  
 SHIELD GEOPHYSICS LIMITED



10+00N ○ 80-4

P. 480782

B.L.

32 E

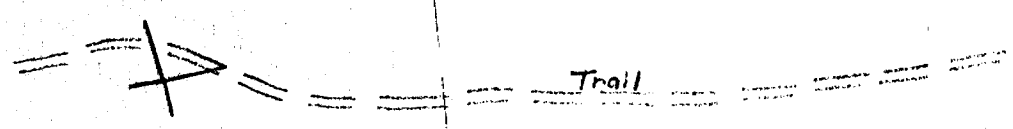
36 E



P. 480787

6+50S ○ 80-5

10+50S ○ 80-6



Trail

LOCATION OF HOLES  
80-4, 80-5, 80-6  
OGDEN TOWNSHIP

1" = 400'

# DIAMOND DRILL RECORD

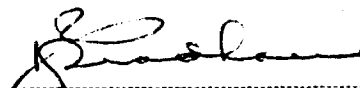
PROPERTY J. V. BONHOMME HOLE NO. 80-5

TOWNSHIP Ogden Township PAGE NO. 1

LOCATION Line 32 East CORE LOCATION 79 Pine St. S. STARTED August 18, 1980  
Station 6+50 South DATUM \_\_\_\_\_ COMPLETED August 27, 1980  
 BEARING grid North DEPTH 770'  
 ELEVATION \_\_\_\_\_ DIP 50°

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz	Ag/oz	Zn/%	Cu/%
0 - 150	Casing (overburden).*						
150 - 161	Greywacke: f. gr. grey, 2% pyrite with carbonate.						
161 - 274	Graphite: black, v. f. gr., cleavage @ 90°, much pyrite seaming, up to 1" wide.						
	164.0-166.0 core ground						
	160-164 1% pyrite	5-1	4.0	0.02	Tr	0.020	0.015
	176-177 core ground						
	172.5-177 2" qtz str., 5% pyrite	5-2	4.5	0.01	0.01	0.081	0.019
	177-191 2% pyrite						
	192-193 core ground						
	191-198 15% pyrite	5-3	7.0	0.01	0.01	0.084	0.018
	198-199 core ground						
	204-208 core ground						
	203-204 80% pyrite	5-4	1.0	0.02	Tr	0.043	0.018
	208-213 5% py with 10% qtz-carb stringer	5-5	5.0	0.01	Tr	0.073	0.020
	225 & 226 1" py seams						
	231.5-232.7 60% pyrite	5-6	1.2	0.01	Tr	0.152	0.033
	232.7-237 15% py, some carb seams	5-7	4.3	Tr	Tr	0.025	0.017
	237-242 20% py, some carb seams	5-8	5.0	Tr	Tr	0.035	0.015

Drilled By Dominik

Signed   
 SHIELD GEOPHYSICS LIMITED

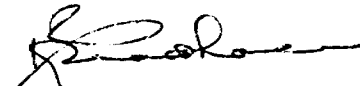
# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-5  
 TOWNSHIP..... PAGE NO. 2

LOCATION..... CORE LOCATION..... STARTED.....  
 ..... DATUM..... COMPLETED.....  
 ..... BEARING..... DEPTH.....  
 ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz	Ag/oz	Zn/%	Cu/%
	242.0-247.0 20% py, some carb seams	5-9	5.0	0.01	Tr	0.020	0.014
	247-252 15% py, some carb seams	5-10	5.0	Tr	Tr	0.019	0.015
	257-260 30% py, 1" qtz str.	5-11	3.0	0.01	0.01	0.240	0.048
	261.2-266.2 30% py	5-12	5.0	Tr	Tr	0.093	0.023
	269-272 core ground						
	266.2-274	5-13	7.8	Tr	Tr	0.049	0.018
274 - 462	Graywacke: grey, v. f. gr., eli. foliation, fractured with graphite filling, some pyrite.						
	287-290.5 20% irreg. carbonate, eli. py	5-14	3.5	0.01	Tr	0.015	0.010
	317 2" irreg. qtz						
	322.5 2" irreg. qtz-carb						
	346 2 - 1" qtz-carb str.						
	352 1" qtz-carb str.						
	372-375 4" & 2" qtz-carb str., 1% py	5-15	3.0	0.01	Tr	0.008	0.012
	409-414 few carb str. + 20% py seaming	5-16	5.0	Tr	Tr	0.037	0.015
462 - 491.5	Graphitic Slate: black, v. f. gr. seams & clots of pyrite.						
	462-467 5% pyrite	5-17	5.0	Tr	Tr	0.105	0.030
	467-472 3% pyrite	5-18	5.0	Tr	0.01	0.280	0.057

Drilled By.....

Signed .....

SHIELD GEOPHYSICS LIMITED

# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-5

TOWNSHIP..... PAGE NO. 3

LOCATION..... CORE LOCATION..... STARTED.....

..... DATUM..... COMPLETED.....

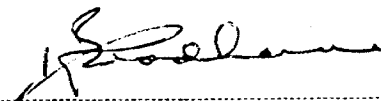
..... BEARING..... DEPTH.....

ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz	Ag/oz	Zn/%	Cu/%
	472.0-477.0 5% pyrite	5-19	5.0	Tr	0.01	0.192	0.038
	477-482 3% pyrite, some carbonate	5-20	5.0	Tr	Tr	0.108	0.018
	482-484.5 30% qtz-carb stringers	5-21	2.5	0.02		0.034	0.010
	484.5-487 core ground						
	487-491.5 15% qtz-carb stringers, 2% py	5-22	4.5	Tr		0.012	0.006
491.5 - 770	Slate: v. f. gr. grey to black, bedding contorted but averages 70°.						
	527 1" qtz-carb str. @ 70°						
	562.3-564.2 2" & 1" qtz-carb str. @ 70°	5-23	1.9	nil		0.005	0.006
	590.2-592 4" qtz-carb str.	5-24	1.8	nil		0.005	0.006
	604 1" qtz-carb str.						
	607 1" qtz-carb str.						
	610.5-615.1 30% qtz-carb str., less than 1% py	5-25	4.6	nil		0.006	0.010
	630.2 2" qtz str. @ 50°						
	719 2" qtz-carb str. @ 70°						
	733.2 1" " " " @ 70°						
	735.6 2" " " " @ 80°						
	736.4 2" " " " @ 80°						
	747.4 1" qtz str. @ 80°						
770	END.						

Dip test @ 600' - 43°

Drilled By.....

Signed .....

SHIELD GEOPHYSICS LIMITED



10+00N ○ 80-4

P. 480782



B.L.

32 E

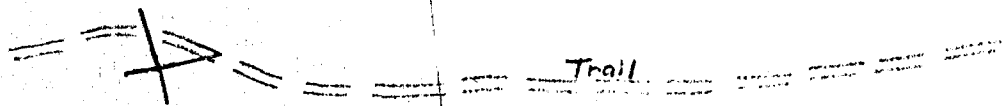
36 E



P. 480787

6+50S ○ 80-5

10+50S ○ 80-6



Trail

LOCATION OF HOLES  
80-4, 80-5, 80-6  
OGDEN TOWNSHIP  
1" = 400'



# DIAMOND DRILL RECORD


PROPERTY J. V. BONHOMME HOLE NO. 80-6

TOWNSHIP Ogden Township PAGE NO. 1

LOCATION Line 32E CORE LOCATION 79 Pine St. S. STARTED Sept. , 1980  
Station 10+00 South DATUM \_\_\_\_\_ COMPLETED Sept. 5, 1980  
 BEARING grid North DEPTH 857'  
 ELEVATION \_\_\_\_\_ DIP 50°

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz	Ag/oz	Cu/%	Zn/%
0 - 170	Casing (overburden).						
170 - 457	Slate-Greywacke: v. f. gr., alternating black & grey bands of sediments @ 75° to c.a.						
177.5-184.3	60% qtz-carb veining, sli. sericite, pyrite @ 75°	6-1	6.8	Tr	0.02	0.005	0.018
198	½" qtz str. @ 90°						
211.5-212.5	60% qtz-carb, sli. py @ 75°	6-2	1.0	Tr	Tr	0.003	0.010
217-218	3 - 1" qtz-carb str. @ 75°						
220.6-229.2	20% qtz-carb str. @ 80°, sli. pyrite	6-3	8.6	Tr	Tr	0.004	0.006
254	1" qtz-carb str. @ 90°						
255	1" qtz-carb str. @ 60°						
319.2-323.0	core ground						
323-328	in 1st foot 30% pyrite with graphite then 60% qtz-carb in last 4'	6-4	5.0	Tr	Tr	0.005	0.003
328-385	cream colour from fine carbonate ?						
364-367	40% qtz-carbonate	6-5	3.0	Tr	Tr	0.010	0.003
377	2" qtz-carbonate						
385-398	cream colour, more coarse grained from carbonate + diss. pyrite						

Drilled By Dominik

Signed  \_\_\_\_\_  
 SHIELD GEOPHYSICS LIMITED

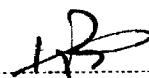
# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-6  
 TOWNSHIP..... PAGE NO. 2

LOCATION..... CORE LOCATION..... STARTED.....  
 ..... DATUM..... COMPLETED.....  
 ..... BEARING..... DEPTH.....  
 ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz	Ag/oz	Cu/%	Zn/%
398.0-408.0	cream colour & finer grained						
408.0-415.6	breccia zone with coarse pyrite & quartz-carbonate						
410.2-415.6	20% qtz-carb @ 70° + 4% pyrite	6-6	5.4	Tr	Tr	0.030	0.072
419-424.8	20% qtz-carb xcutting @ 30° to 70° all. pyrite	6-7	5.8	nil	Tr	0.012	0.010
428-433.2	15% qtz-carb str. xcutting @ 30° 1% pyrite	6-8	5.2	nil	Tr	0.009	0.008
438.2	2" qtz-carb str. @ 40°						
447.8-448.6	7" qtz-carb str.	6-9	0.8	0.01	0.01	0.004	0.007
457 - 511.5	Graphite-pyrite Zone: heavy pyrite as seams and clots with carbonaceous slate @ 80°.						
466-471	6% pyrite	6-10	5.0	Tr	0.02	0.024	0.123
471-476	6% pyrite	6-11	5.0	0.02	0.29	0.026	0.185
490-495	10% pyrite	6-12	5.0	Tr	Tr	0.014	0.090
511.5 - 638	Carbonatized Sediment: cream to buff coloured, v. f. gr. with carbonate seaming, cleavage @ 75° to c.a.						
589.5-591.0	heavy carbonate seaming	6-13	1.5	nil	Tr	0.007	0.013

Drilled By.....

Signed .....  
 SHIELD GEOPHYSICS LIMITED

# DIAMOND DRILL RECORD


PROPERTY..... HOLE NO. 80-6  
 TOWNSHIP..... PAGE NO. 3

LOCATION..... CORE LOCATION..... STARTED.....  
 ..... DATUM..... COMPLETED.....  
 ..... BEARING..... DEPTH.....  
 ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz	Ag/oz	Cu/%	Zn/%
638 - 639	Graphite: weak some pyrite.						
639 - 760	Greywacke: grey, fine grained, bedding @ 70° to c.a.						
	655.0-656.3 2" carb str., sli. cpy & black metallic	6-14	1.3	nil	Tr	0.004	0.008
	678.5-680.0 50% qtz-carb str. @ 60°, sli. py	6-15	1.5	nil	Tr	0.008	0.005
	692-760 buff colour after moderate carb						
	712 1" qtz-carb str. @ 70°						
760 - 807.8	Graphite: black, v. f. gr., bands & clots of pyrite @ 60-70°.						
	786.5-789 15% clots & seams pyrite	6-16	2.5	Tr	Tr	0.031	0.245
	803-804 gouge, some pink calcite-fault						
	804-807.8 3 - 2" qtz str. @ 50° sli. py, cpy	6-17	3.8	nil	Tr	0.004	0.018
807.8 - 857	Slate: black, v. f. gr. bedding @ ave. 60°.						
	837-852 bedding crumpled, partially // to bedding						
	838.5-840.5 brecciation with 10% qtz filling, sli. py, cpy in qtz	6-18	2.0	nil	Tr	0.004	0.011
857	END.						

Dip Test @ 800' is 34°

Drilled By.....

Signed .....

SHIELD GEOPHYSICS LIMITED



10+00N ○ 80-4

P. 480782

B.L.

32 E

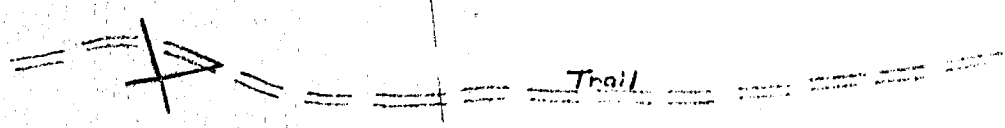
36 E



P. 480787

6+50S ○ 80-5

10+50S ○ 80-6



LOCATION OF HOLES  
80-4, 80-5, 80-6  
OGDEN TOWNSHIP  
1" = 400'

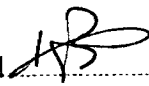
# DIAMOND DRILL RECORD

PROPERTY J. V. BONHOMME HOLE NO. 80-7  
 TOWNSHIP Ogden Township PAGE NO. 1

LOCATION Line 16+00 East CORE LOCATION 79 Pine St. S. STARTED Sept. 12, 1980  
Station 24+50 South DATUM \_\_\_\_\_ COMPLETED Sept. 18, 1980  
 BEARING grid North DEPTH 747'  
 ELEVATION \_\_\_\_\_ DIP 53°

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz	Ag/oz		
0 - 154	Casing (overburden).						
154 - 203	Intermediate Volcanic: light green, massive bleached (?), v. f. gr. foliation @ 90° to c.a.						
156	1" qtz-carb str. @ 90°						
163.5-165.0	core ground						
174-176	core ground						
176.3-176.8	barren white quartz						
177-185	core ground						
185-187	vuggy core						
187-195	irregular barren carbonate str.						
195.3-197	core ground						
197.0-197.6	schistose, rusty & cumbly						
197.6-201.0	core ground						
201-203	rusty, vuggy, some pyrite						
203 - 208.6	Graphitic Slate: sharp contact @ 75° to c.a. black, v. f. gr. banded @ 75°.						
203-207	15% pyrite seaming	7-1	4.0	0.01	Tr		
208.6 - 281	Slate: black, v. f. gr., banded @ 75° to c.a.						
252-256	somewhat graphitic						

Drilled By Dominik

Signed  SHIELD GEOPHYSICS LIMITED

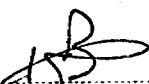
# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-7  
 TOWNSHIP..... PAGE NO. 2

LOCATION..... CORE LOCATION..... STARTED.....  
 ..... DATUM..... COMPLETED.....  
 ..... BEARING..... DEPTH.....  
 ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz	Ag/oz		
	262.0-265.0 core ground						
	268-275 core ground						
	275-279 2% seams of pyrite	7-2	4.0	Tr	Tr		
281 - 299	Greywacke: grey, fine grained, more massive but shows banding @ 70° to c.a. with carbonate seaming.						
	293 1" massive pyrite						
299 - 317	Massive Greywacke: grey, fine grained, very little foliation.						
317 - 455.7	Intermediate Volcanic: contact indefinite, light green (bleached ?) massive, v. f. gr. odd quartz str., deeper-foliation of colour change (fine carbonate ?) @ 70° to c.a. suggests tuff to 355.						
	355-380.5 massive with sharp colour changes suggests pillow lava						
	356-358.4 8" barren qtz-carb @ 70°	7-3	2.4	0.01	0.22		
	380.5-396.7 carbonate chlorite schist with schistosity @ 70° to c.a.						
	380.5-384 50% qtz-carb str. up to 7", sli. py	7-4	3.5	Tr	Tr		

Drilled By.....

Signed .....  
 SHIELD GEOPHYSICS LIMITED

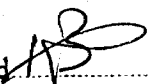
# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-7  
 TOWNSHIP..... PAGE NO. 3

LOCATION..... CORE LOCATION..... STARTED.....  
 ..... DATUM..... COMPLETED.....  
 ..... BEARING..... DEPTH.....  
 ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz	Ag/oz		
391.5-394.7	35% qtz-carb str. up to 7", 3% py	7-5	3.2	Tr	0.02		
396.7	massive, grey buff v. f. gr. fine carb						
425.8	2" barren qtz str. @ 60°						
430.7	2" barren qtz str. @ 30°						
455.7 - 574	Intermediate Tuff-Agglomerate: rough banding at about 70°, lapilli up to 4 or 5", green, v. f. gr. occ. carbonate, pyrite seams.						
488.6-492.6	pyrite & poorly defined carbonate seaming @ 70°	7-6	4.0	Tr	Tr		
521.6-526.6	50% qtz-carb @ 70°, sli. py	7-7	5.0	Tr	Tr		
549.5	1" qtz str. @ 70°						
554	1" qtz str.						
561.6-564.6	80% qtz veining @ ave. 60° + tourm slight pyrite	7-8	3.0	Tr	Tr		
564.6-568.6	75% qtz v., some carb, sli. tourm @ 45°	7-9	4.0	nil	Tr		
568.6-571.6	80% white qtz @ 45°	7-10	3.0	nil	Tr		
571.6-574.8	50% qtz @ 30° in wlrk good py diss. in qtz 1/4" clot of cpy	7-11	3.2	Tr	Tr		

Drilled By.....

Signed .....  
 SHIELD GEOPHYSICS LIMITED


# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-7  
 TOWNSHIP..... PAGE NO. 4

LOCATION..... CORE LOCATION..... STARTED.....  
 ..... DATUM..... COMPLETED.....  
 ..... BEARING..... DEPTH.....  
 ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
574 - 683.2	Intermediate Volcanic Flow: gray green, v. f. gr. massive.						
	609.0-617.0 faint amygdules						
	667.0-673.0 appearance of elongated lapilli @ 70°						
683.2 - 724	Intermediate Volcanic: chloritic, with carbonate seaming conformable to schistosity @ 70°, dark green, fine grained.						
	708 3" qtz-carb str. @ 70°						
	712.3 2" qtz-carb str. @ 70°						
	716.8 4" serpentine-fault						
724 - 747	Intermediate Volcanic Flow: green, massive, v. f. grained.						
	743 3" qtz-carb str. @ 80°						
	746.8 3" carb seaming @ 70°						
747	END.						
	Dip Test @ 737' - 39°						

Drilled By.....

Signed .....  
 SHIELD GEOPHYSICS LIMITED



24E

B.L.

16E

Pond

Trail

P. 480788

20+00S ○ 80-8

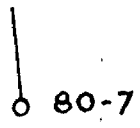
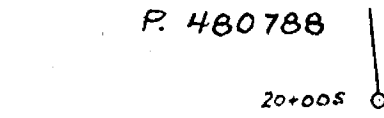
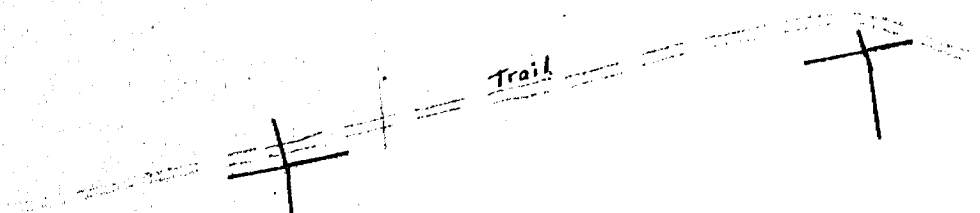
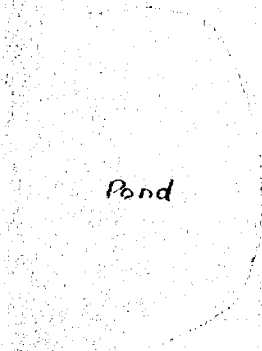
14+50S ○ 80-7

LOCATION OF HOLES

80-7, 80-8

OGDEN TOWNSHIP

1" = 400'



# DIAMOND DRILL RECORD

PROPERTY J. V. BONHOMME HOLE NO. 80-8

TOWNSHIP Ogden Township PAGE NO. 1

LOCATION Line 24E

CORE LOCATION 79 Pine St. S.

STARTED Sept. 20, 1980

Station 20+00S

DATUM \_\_\_\_\_

COMPLETED Sept. 29, 1980

BEARING grid North

DEPTH 757'

ELEVATION \_\_\_\_\_

DIP 50°

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
0 - 174	Casing (overburden).						
174 - 302	Carbonatized Rock: grey buff, v. f. gr. massive with sli. banding from carbonate stringers @ 70° to c.a.; tuff or sediment.						
17.5-17.7	core ground						
180-181	6" qtz-carb str.	8-1	1.0	nil			
185-187	core ground						
187-188	sli. py with conf. carb str.						
189	2" carb str.						
216-217.2	few conf. carb str., 2% py seaming	8-2	1.2	nil			
225-252	pronounced foliation from carbonate seaming, ave. 70° to c.a.						
252-302	rock becomes darker coloured						
302 - 333	Intermediate Volcanic Flow: light green, v. f. grained, irregular development of amygdules generally oriented roughly at 70° to c.a.						
302.8	1" carb str.						
332-334	2" qtz-carb str. @ 90° to c.a.						

Drilled By Dominik

Signed [Signature]

SHIELD GEOPHYSICS LIMITED


# DIAMOND DRILL RECORD

PROPERTY \_\_\_\_\_ HOLE NO. 80-8  
 TOWNSHIP \_\_\_\_\_ PAGE NO. 2

LOCATION \_\_\_\_\_ CORE LOCATION \_\_\_\_\_ STARTED \_\_\_\_\_  
 \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 \_\_\_\_\_ BEARING \_\_\_\_\_ DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_

DEPTH - FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
333 - 450	Intermediate Agglomerate (?): light green, v. f. gr. but different shades of green oriented @ about 90° to c.a. suggests agglomerate.						
	409.0-410.0 6" qtz-carb str.	8-4	1.0	Tr			
	437-439 80% white qtz @ 30°	8-5	2.0	Tr			
450 - 588.7	Mafic Volcanic: dark green, v. f. gr. banded @ 90° to c.a., slightly schistose, soft, chloritic with some carbonate seaming; sharp contact @ 80°.						
	452-462 talcose seams @ 90° with carbonate occ. seam of pyrite						
	476-588.7 more massive, not schistose						
	501-510 clots of epidote with carbonate						
	524-547 banding marked by epidote & carbonate light purple carbonate or fluorite						
588.7 - 757	Slate-Greywacke: 1st 10' grey-buff, cleavage at 60-45°, otherwise black to grey banding at 70°, fairly hard, occ. py or carbonate seam.						
	646.2 1" qtz-carb str. @ 70°						
	647 2" " " " @ 70°						

Drilled By \_\_\_\_\_

Signed  \_\_\_\_\_  
 SHIELD GEOPHYSICS LIMITED


# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-8  
 TOWNSHIP..... PAGE NO. 3

LOCATION..... CORE LOCATION..... STARTED.....  
 ..... DATUM..... COMPLETED.....  
 ..... BEARING..... DEPTH.....  
 ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
653.7-655.2	3" & 5" qtz-carb str. @ 80° to c.a.	8-6	1.5	nil			
658	1" qtz-carb str. @ 80°, sli. py						
674-677.7	2" & 1" qtz-carb @ 70°, 1% py	8-7	3.7	nil			
704.3-705.5	6" qtz-carb str. @ 90°, 1% py	8-8	1.2	nil			
708-710	2", 4", 2" qtz-carb str. @ 70°, sli. py	8-9	2.0	nil			
711.5, 713, 714	1" qtz-carb str.						
725-727	1", 6" qtz-carb str. @ 70°	8-10	2.0	Tr			
729-730	3" qtz-carb str. @ 70°	8-11	1.0	0.01			
733.8-735	7" & 1" qtz-carb str. @ 60°	8-12	1.2	nil			
738-740	80% qtz-carb @ 70°, sli. py	8-13	2.0	0.02			
757	END.						
	Dip Test at 726' - 38°						

Drilled By.....

Signed .....  
 SHIELD GEOPHYSICS LIMITED

# DIAMOND DRILL RECORD

PROPERTY J. V. BONHOMME HOLE NO. 80-9

TOWNSHIP Ogden Township PAGE NO. 1

LOCATION 7+90' S52°W from  
#2 Shaft or 116' W  
75.5' south of H-15

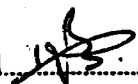
CORE LOCATION 79 Pine St. S.  
 DATUM \_\_\_\_\_  
 BEARING North 10° East  
 DIP 70°

STARTED October 2, 1980  
 COMPLETED October 17, 1980  
 DEPTH 1397'

ELEVATION \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz		
0 - 95	Casing (overburden).					
95 - 217	Chlorite-Talc-Carbonate Rock: soft, green, v. f. gr. numerous white carbonate seams @ 60-70° to c.a.					
217 - 347.7	Carbonate Rock: more massive, harder, v. f. gr. buff-grey colour, odd conf. carbonate or qtz str.					
	254.5 5" qtz-tourm str. @ 90°, no sulphides					
	268.8 2" qtz str. @ 90°					
	270.7-272.0 90% barren white qtz @ 60°					
	290.7-291.0 little conf. pyrite (5%)					
347.7 - 485.7	Intermediate (Carbonatized) Volcanic Flow: grey, green, v. f. gr., incipient foliation of diss. carbonate @ 60° to c.a., appears tuffaceous in places, odd qtz or carbonate str.					
	445-446.5 1" qtz str. @ 90° in 5" bleached cream carbonate zone	9-1	1.5	Tr		
	448.5 ½" carb str. @ 45° with hematite - fault					
	448.5-485.7 epidotized					

Drilled By Dominik

Signed  SHIELD GEOPHYSICS LIMITED

# DIAMOND DRILL RECORD

PROPERTY \_\_\_\_\_ HOLE NO. 80-9

TOWNSHIP \_\_\_\_\_ PAGE NO. 2

LOCATION \_\_\_\_\_ CORE LOCATION \_\_\_\_\_ STARTED \_\_\_\_\_

\_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_

\_\_\_\_\_ BEARING \_\_\_\_\_ DEPTH \_\_\_\_\_

ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
	453.5-454.2 1" qtz-tourm str. @ 40°						
	3" white qtz str. @ 45°						
	455-456.5 breccia with chlorite filling						
	fault @ 45° to c.a.						
	457 2" qtz-chlorite str. @ 40°						
485.7 - 724.0	Carbonatized Volcanic: v. f. gr., grey cream, white carbonate banding at about 70° to c.a.						
	495.2-498.7 2" & 1/2" carb str. @ 45° with py	9-2	3.5	Tr			
	518-520 little carbonate-pyrite seaming	9-3	2.0	Tr			
	556-557 2" of diss. pyrite	9-3A	1.0	0.03			
	562-567 core ground						
	569-574.5 10% carb seaming with heavy py diss.	9-4	4.5	Tr			
	576-579.2 10% carb seams with heavy py	9-5	3.2	nil			
	586.7-588.9 4" qtz-carb str. @ 70°	9-6	2.2	nil			
	594.2-596.7 10% carb seams, mod. pyrite	9-7	2.5	Tr			
	609-610.8 5" & 3" qtz-carb str. @ 70°, mod. py	9-8	1.8	nil			
	613.1-616.8 2 - 1" qtz-carb str. @ 50°, sl. py	9-9	3.7	nil			
	627-630 core ground						

Drilled By \_\_\_\_\_

Signed  \_\_\_\_\_

SHIELD GEOPHYSICS LIMITED

# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-9

TOWNSHIP..... PAGE NO. 3

LOCATION..... CORE LOCATION..... STARTED.....

..... DATUM..... COMPLETED.....

..... BEARING..... DEPTH.....

ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
	669.0-670.0 8" qtz-carb str. @ 70°, sli. pyrite	9-10	1.0	nil			
	698.4-701.0 5% pyrite as seams, grains, etc.	9-11	2.6	Tr			
	701.0-704.6 5" qtz-tourm str., 5" qtz str.,	9-12	3.6	0.01			
	slight pyrite						
	704.6-724 dark green, little carb bleaching						
	716.5-718.6 2 - 1" qtz-carb str. with adjacent	9-13	2.1	Tr			
	bleaching						
724 - 758.5	<u>Pyroxenite</u> : dark green, with clots of black nonmagnetic mineral.						
	726-737 no core, report cavity from 730-737						
	757-758.5 pink conformable foliated granitic rock						
758.5 - 792	<u>Carbonatized Volcanic</u> : grey-cream, v. f. gr., occ. foliation of carb seaming @ 70°, some mariposite.						
	788.5-789.5 2 - 1" qtz-carb str. @ 80°	9-14	1.0	Tr			
792 - 860	<u>Carbonatized Mafic Volcanic Flow ?</u> : dark green, v. f. gr., carbonate as stretched grains conf. to 60° schistosity.						

Drilled By.....

Signed .....  
SHIELD GEOPHYSICS LIMITED

# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-9

TOWNSHIP..... PAGE NO. 4

LOCATION..... CORE LOCATION..... STARTED.....

..... DATUM..... COMPLETED.....

..... BEARING..... DEPTH.....

ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
	813.0-816.6 1' qtz-tourm & 2-1" seams pyrite @ 50°	9-15	3.6	nil			
	833.6-834.6 irreg. qtz-tourm @ 30° + pyrite	9-16	1.0	Tr			
860 - 1246	Carbonatized Volcanic: grey-cream with weak schistosity @ 60°, gradational contact, carbonate seaming.						
	861.5-863.5 10% pyrite	9-17	2.0	Tr			
	887.0-890.5 1.5' graphitic section @ 60-70° probable shear fault; 5% py throughout	9-18	3.5	0.01			
	893-897 core ground						
	912-913.1 50% qtz-carb str.	9-19	2.1	Tr			
	939.7-944.7 25% grey qtz str., 1% py	9-20	5.0	nil			
	944.7-949.7 10% grey qtz-carb str., sil. py	9-21	5.0	Tr			
	962-964.5 40% grey qtz-carb str. @ 60°, sil. py	9-22	2.5	nil			
	971 2" grey qtz str. @ 60°						
	988.2-993.0 20% grey qtz-carb str @ 60°, some fine tourmaline, slight pyrite	9-23	4.8	nil			
	993-1013.6 numerous narrow carb str.						

Drilled By.....

Signed .....  
SHIBLD GEOPHYSICS LIMITED




# DIAMOND DRILL RECORD

PROPERTY \_\_\_\_\_ HOLE NO. 80-9  
 TOWNSHIP \_\_\_\_\_ PAGE NO. 5

LOCATION \_\_\_\_\_ CORE LOCATION \_\_\_\_\_ STARTED \_\_\_\_\_  
 \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 \_\_\_\_\_ BEARING \_\_\_\_\_ DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
	1013.6-1017 15% qtz-carb str., sli. pyrite	9-24	3.4	nil			
	1017-1021.2 20% qtz-carb str., sli. pyrite	9-25	4.2	nil			
	1031-1032 5" qtz-carb str., sli. pyrite	9-26	1.0	Tr			
	1052-1054 80% qtz-carb	9-27	2.0	0.01			
	1115-1116.7 3" qtz-carb str. + seaming of pyrite	9-28	1.7	Tr			
	1154.5 1" qtz str.						
	1158 3" qtz str.						
	1184.3 2" qtz str.						
	1188.2 3" qtz str.						
	1190.6 6" qtz str.						
	1203-1204 5" qtz-carb @ 70° to c.a. with mod. pyrite	9-29	1.0	Tr			
	1242 1" qtz-carb str.						
	1244 3" white qtz str.						
1246 - 1334	Carbonatized Sediment: buff colour, poor banding @ 70° of carbonate, pyrite, and carbonaceous material.						
	1266-1268 brecciated						
	1279-1284 carb & fine carbonaceous seaming, 1% pyrite	9-30	5.0	Tr			

Drilled By \_\_\_\_\_

Signed  \_\_\_\_\_  
 SHIELD GEOPHYSICS LIMITED

# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-9  
 TOWNSHIP..... PAGE NO. 6

LOCATION..... CORE LOCATION..... STARTED.....  
 ..... DATUM..... COMPLETED.....  
 ..... BEARING..... DEPTH.....  
 ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
	1288 4" carbonate						
	1297-1303 more intense buff colour						
	1303 more of a grey-buff colour						
	1327.5-1332.5 shear zone - 50% carbonaceous seems, 2% pyrite	9-31	5.0	Tr			
1334 - 1397	Greywacke: massive, grey, v. f. gr., incipient banding, odd qtz or carb stringer.						
	1360.6-1362.3 90% qtz-carb @ 45°	9-32	1.7	nil			
	1353 & 1355 qtz-carb str.						
	1379 4" qtz-carb						
	1396.8 some pyrite						
1397	END.						
<b>SURVEY TESTS</b>							
	Dip	Direction					
	400'	62°	11°M				
	800'	60°	05°M				
	1200'	55°	04°M				

Drilled By.....

Signed,   
 SHIELD GEOPHYSICS LIMITED

# DIAMOND DRILL RECORD

PROPERTY J. V. BONHOMME HOLE NO. 80-10

TOWNSHIP Ogden Township PAGE NO. 1

LOCATION 116' West; 57.5' North of  
hole H15

CORE LOCATION 79 Pine St. S.

STARTED October 18, 1980

DATUM \_\_\_\_\_

COMPLETED October 27, 1980

BEARING North (ast.)


DEPTH 1067'

ELEVATION \_\_\_\_\_

DIP 70°

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
0 - 66	Casing (overburden).						
66 - 174	Intermediate Carbonatized Volcanic: epidote green, v. f. gr. banded with white carbonate & quartz at about 70°; averages 15-90% rock.						
	80.0-85.0 80% banded qtz & carb, no sulphides	10-1	5.0	Tr			
	106.4-111.4 30% banded carbonate-qtz	10-2	5.0	nil			
	173-174 6" qtz-tourm vein @ 70°	10-3	1.0	nil			
174 - 239	Intermediate Volcanic Flow: grey-buff colour, v. f. gr., slightly schistose at 70° to c.a.; carb much less obvious than unit above, but 5% carb banding.						
239 - 353	Mafic Volcanic Flow: dark green, v. f. gr., slightly schistose @ 70°, chloritic odd carbonate or qtz stringer.						
	240-247 core ground						
	252-253.5 8" qtz v. @ 80° to c.a.	10-4	1.5	Tr			
	302 2" qtz str. @ 70°						
	342 10" qtz-carb with much adj. epidote						

Drilled By Dominik

Signed  \_\_\_\_\_

SHIELD GEOPHYSICS LIMITED

# DIAMOND DRILL RECORD

PROPERTY \_\_\_\_\_ HOLE NO. 80-10  
 TOWNSHIP \_\_\_\_\_ PAGE NO. 2

LOCATION \_\_\_\_\_ CORE LOCATION \_\_\_\_\_ STARTED \_\_\_\_\_  
 \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 \_\_\_\_\_ BEARING \_\_\_\_\_ DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz	Ag/oz			
353 - 707	Carbonatized Intermediate Volcanic: grey-buff, v. f. gr., banded @ 70°, moderately soft; odd carb stringer.							
372	6" carb-qtz str. @ 80°							
384	slightly talcose							
407	2" carbonate stringers							
486.7-490.7	80% carb, less than 1% py	10-5	4.0	0.01				
552-564	well banded with appearance of brecciation-shear zone ?							
597-635	disseminated pyrite							
601.7-605.6	3% diss. py	10-6	3.9	Tr				
605.6-610.6	20% qtz-carb str. @ 80°, 2% py wrk	10-7	5.0	0.34	0.05	1.7		
610.6-615.0	15% qtz-carb str. @ 80°, 2% py wrk	10-8	4.4	0.25	0.06	1.1	.29	18.4'
615.0-621.0	3% py, 2-1" qtz str.	10-9	6.0	0.27	0.03	1.62		.20
626-629.3	4" qtz str. @ 80°, 2% py wrk	10-10	5.0 3.3	0.02 0.08	0.01	.10 .264		23.7'
645.4-660	diss. black, nonmagnetic mineral as clots & grains					1.784		
660-667	tuff-agglomerate appearance							
671	1" qtz-tourm stringer							

Drilled By \_\_\_\_\_

Signed \_\_\_\_\_

**SHIELD GEOPHYSICS LIMITED**

# DIAMOND DRILL RECORD


PROPERTY..... HOLE NO. 80-10

TOWNSHIP..... PAGE NO. 3

LOCATION..... CORE LOCATION..... STARTED.....  
 ..... DATUM..... COMPLETED.....  
 ..... BEARING..... DEPTH.....  
 ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	AU/oz			
	692.0-693.0 5" qtz-tourm v. mod. py along cont.	10-11	1.0	0.01			
	697-707 has appearance of agglomerate						
	704-709 up to 10% py, 7" massive section in	10-12	5.0	0.01			
	cont. zone with carbonaceous materia						
707 - 775.8	Carbonatized Intermediate Volcanic: grey-buff, v. f. gr., fairly massive,						
775.8 - 877	Banded Carbonatized Intermediate Volcanic: light green, banded @ 70° from carbonate str., massive seams of pyrite up to 2".						
	775.8-777.0 up to 1" massive seams of pyrite	10-13	1.2	Tr			
	787.7-789.0 10" qtz-tourm v. @ 60°, sil. pyrite at contact	10-14	1.3	Tr			
	828-834 5% py as seams conf. to shearing	10-15	6.00	Tr			
	852-855.7 5% pyrite	10-16	3.7	Tr			
	862-863.2 6" qtz-tourm v.	10-17	1.2	Tr			
	863.2-867.0 2" qtz-tourm str.	10-18	3.8	Tr			
	876.7-880.2 8" qtz-tourm v. @ 80°	10-19	3.5	nil			
877 - 894	Carbonatized Intermediate Volcanic: light green, f. grained, speckled appearance with irreg. carb seaming generally @ 60°						

Drilled By.....

Signed .....  
 SHIELD GEOPHYSICS LIMITED

# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-10  
 TOWNSHIP..... PAGE NO. 4

LOCATION..... CORE LOCATION..... STARTED.....  
 ..... DATUM..... COMPLETED.....  
 ..... BEARING..... DEPTH.....  
 ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz		
	893,6-894.8 5" qtz-carb str. + py at cont.	10-20	1.2	nil		
894 - 1067	Carbonatized Intermediate Volcanic: buff to grey brown, v. f. gr., some banding & sh. slaty cleavage @ 75° - continues brownish colour to bottom of hole; occ. qtz or carb str. appears more like volcanic than sediment; apparent flow contacts & amygdaloids.					
	1027 4" grey qtz str.					
	1030-1031.5 qtz-carb v. @ 70°	10-21	1.5	0.01		
	1045-1046 10" qtz-carb v. @ 60°	10-22	1.0	0.01		
	1059-1062.6 8" grey qtz & 4" carb @ 60°, some py at cont.	10-23	3.6	nil		
	1066 2" qtz-carb					
1067	END.					
	SURVEY TESTS					
		Dip	Direction			
	400'	61°	04°M			
	800'	57°	04°M			

Drilled By.....

Signed .....  
 SHIELD GEOPHYSICS LIMITED

# DIAMOND DRILL RECORD

PROPERTY \_\_\_\_\_ HOLE NO. 80-10

TOWNSHIP \_\_\_\_\_ PAGE NO. 5

LOCATION \_\_\_\_\_ CORE LOCATION \_\_\_\_\_ STARTED \_\_\_\_\_


\_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_

\_\_\_\_\_ BEARING \_\_\_\_\_ DEPTH \_\_\_\_\_

ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz	Ag/oz		
621.0-626.0	1% pyrite	10-10A	5.0	0.02	Tr		
629.3-631.0	1% pyrite	10-10B	1.7	Tr	Tr		

Drilled By \_\_\_\_\_

Signed  \_\_\_\_\_  
**SHIELD GEOPHYSICS LIMITED**

# DIAMOND DRILL RECORD

PROPERTY J. V. BONHOMME HOLE NO. 80-11

TOWNSHIP Ogden Township PAGE NO. 1

LOCATION 267' West; 92' South of  
hole H15

CORE LOCATION 79 Pine St. S.

STARTED October 28, 1980

DATUM \_\_\_\_\_

COMPLETED November 3, 1980

BEARING North (ast.)

DEPTH 1257'

ELEVATION \_\_\_\_\_

DIP 70°

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
0 - 61	Casing (overburden).						
61 - 201.7	Mafic Volcanic Flow: dark green, v. f. gr., chloritic, shows slight mineral foliation @ 50-70°, carbonate banding @ 60°, soft, talcose in places.						
	192.0-202.0 heavier carbonate seaming						
201.7 - 439	Intermediate Volcanic Flow: grey-buff, v. f. gr. fairly massive with irreg. carb stringers.						
	346-382 dark green, mafic chloritic section						
	362-363.8 25% carbonate seaming	11-1	1.8	Tr			
	384 water seam						
	384.5-387.0 3" & 1" qtz str.	11-2	2.5	nil			
	400 4" qtz str. @ 90°						
	406-410 1.2' & 6" qtz-granitic sections	11-3	4.0	nil			
	407-416 tuff or mylonite						
	427.3 3" carbonate @ 70°						
439 - 464	Intermediate Carbonatized Volcanic: buff colour, v. f. gr., much grey carbonate generally as seams @ 80-60° to c.a., sli. pv. fairly soft.						

Drilled By Dominik

Signed  \_\_\_\_\_  
SHIELD GEOPHYSICS LIMITED



# DIAMOND DRILL RECORD

PROPERTY J. V. BONHOMME HOLE NO. 80-11  
 TOWNSHIP Ogden Township PAGE NO. 2

LOCATION \_\_\_\_\_ CORE LOCATION \_\_\_\_\_ STARTED \_\_\_\_\_  
 \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 \_\_\_\_\_ BEARING \_\_\_\_\_ DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
	456.7-459.0 4" qtz-carb str. @ 80°, 2% pyrite	11-4	2.3	nil			
464 - 606	Intermediate Volcanic: buff colour, v. f. gr., occ. carbonate str. @ 75° to c.a.						
	532-537 looks like pillow lava						
	562-565 black (carbonaceous ?)						
	564 2" carb str. @ 90°						
	571 4" crushed section, with carbonate @ 80° - fault						
	612-614 1.5' fractured grey qtz, graphite along fractures @ 70° to c.a.	11-5	2.0	Tr			
606 - 750	Carbonaceous Intermediate Volcanic: buff colour, v. f. gr. with numerous graphite-filled fractures generally @ 70° & up to 2" wide.						
	664.5-669.5 + 5% py & 25% irreg. white qtz	11-6	5.0	0.01			
	669.5-672.5 + 2% py, in darker carbonaceous section	11-7	3.0	0.02			
	672.5-677.5 3% py, 20% white qtz	11-8	5.0	0.03			.037 12'
	677.5-681.5 30% irreg. white qtz, 2% pyrite	11-9	4.0	0.03			
	681.5-684.5 1% pyrite	11-10	3.0	0.06			
	684.5 generally altered & dragged by silica injection						

Drilled By \_\_\_\_\_

Signed *AS* \_\_\_\_\_

**SHIELD GEOPHYSICS LIMITED**

# DIAMOND DRILL RECORD

PROPERTY J. V. BONHOMME HOLE NO. 80-11  
 TOWNSHIP Ogden Township PAGE NO. 3

LOCATION \_\_\_\_\_ CORE LOCATION \_\_\_\_\_ STARTED \_\_\_\_\_  
 \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 \_\_\_\_\_ BEARING \_\_\_\_\_ DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
	670.5-674.0 30% nonmetallic black mineral fairly hard with dendritic pattern						
	708-718 numerous vugs						
	751 2" qtz str. with pyrite						
750 - 935	Intermediate Volcanic: grey-buff, v. f. gr., odd carbonate str. @ 70° & seam of pyrite, appears tuffaceous.						
	827-831.3 20% carb str., 2% py seams	11-11	4.3	0.01			
935-1171	Carbonatized Intermediate Volcanic: grey, v. f. gr., banded at 80° to c.a. with carbonate seams, some pyrite seaming.						
	1112-1132 hard, silicified						
	1119-1120.1 10" qtz-tourm V. @ 45°, sil. pyrite	11-12	1.1	Tr			
1171 - 1196	Carbonaceous Intermediate Volcanic: grey, v. f. gr., with bands of black carbonaceous rock generally associated with pyrite.						
1196 - 1257	Intermediate Volcanic Flow: massive, grey to brown, v. f. gr., uniform, some pyrite.						
	1242 2" qtz str.						

Drilled By \_\_\_\_\_

Signed  \_\_\_\_\_  
 SHIELD GEOPHYSICS LIMITED

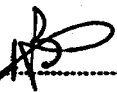
# DIAMOND DRILL RECORD

PROPERTY J. V. BDNHOMME HOLE NO. 80-11  
 TOWNSHIP Ogden Township PAGE NO. 4

LOCATION \_\_\_\_\_ CORE LOCATION \_\_\_\_\_ STARTED \_\_\_\_\_  
 \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 \_\_\_\_\_ BEARING \_\_\_\_\_ DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE			
	1243      3" qtz str.					
1257	END.					
	<b>SURVEY TESTS</b>					
	Dip    Direction					
	400'    64°    357°M					
	800'    53°    360°M					
	1200'   46°    360°M					

Drilled By \_\_\_\_\_

Signed  \_\_\_\_\_  
 SHIELD GEOPHYSICS LIMITED

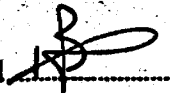
# DIAMOND DRILL RECORD

PROPERTY \_\_\_\_\_ HOLE NO. 80-11  
TOWNSHIP \_\_\_\_\_ PAGE NO. 5

LOCATION \_\_\_\_\_ CORE LOCATION \_\_\_\_\_ STARTED \_\_\_\_\_  
\_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
\_\_\_\_\_ BEARING \_\_\_\_\_ DEPTH \_\_\_\_\_  
ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
684.5-687.0	10% qtz str., 1% pyrite	11-10A	2.5	0.01			

Drilled By \_\_\_\_\_

Signed  \_\_\_\_\_  
SHIELD GEOPHYSICS LIMITED

# DIAMOND DRILL RECORD

PROPERTY J. V. BONHOMME HOLE NO. 80-12

TOWNSHIP Ogden Township PAGE NO. 1

LOCATION 2+67 West & D+57.5'  
North of hole H15

CORE LOCATION 79 Pine St. S.

STARTED November 4, 1980.

DATUM \_\_\_\_\_

COMPLETED November 12, 1980

BEARING North

DEPTH 857'

ELEVATION \_\_\_\_\_

DIP 70°

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
0 - 64	Casing (overburden).						
64 - 94	Carbonatized Intermediate Volcanic: medium green, v. f. gr.; + 50% carbonate seaming, some qtz at ave. 60°.						
94 - 224	Carbonatized Intermediate Volcanic: buff-green colour, v. f. gr., mineral foliation at 60° not pronounced, much more massive than unit above.						
	94.0-95.0 qtz-carb-tourm vein @ 60°; 2" clots of rust at cont. after ankerite ?	12-1	1.0	nil			
	117.3-118.3 3" qtz-tourm str. @ 60°	12-2	1.0	nil			
	153.2 2" white qtz str. @ 45°						
	164-172 thin bedding suggest tuff horizon						
	179.4-180.4 80% carb-qtz, ali. py	12-3	1.0	nil			
	185-187 2-1" qtz-tourm str. @ 65° with much carbonate	12-4	2.0	nil			
224 - 297	Carbonatized Mafic Volcanic: med. to dark green, soft, v. f. gr. much carbonate as seams & grains chloritic.						
	224-237 seaming of carbonate, some qtz						

Drilled By Dominik

Signed  SHIELD GEOPHYSICS LIMITED

# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-12

TOWNSHIP..... PAGE NO. 2

LOCATION..... CORE LOCATION..... STARTED.....

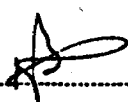
..... DATUM..... COMPLETED.....

..... BEARING..... DEPTH.....

ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
237.0-263.0	slaty cleavage						
247.8, 249.3	2" qtz str. @ 75°						
254-257	core ground						
264.8-265.8	white qtz @ 70°						
263-277	serpentinized (soapy)						
297 - 550	Intermediate Volcanic Flow (Carbonatized): buff colour, v. f. gr., fairly massive, with mineral banding @ 75°, occ. pyrite or pyrrhotite seams @ 75°.						
313	3" mariposite-fuchsite						
325.8	2" qtz-carb seam @ 80° + py seaming						
359.3-362.0	50% qtz @ 70° + 1% py & po	12-5	2.5	Tr			
362-364.8	25% qtz str., sil. py	12-6	2.8	nil			
426-428.3	4" & 3" carb-qtz-tourm str., sil. py	12-7	2.3	0.005			
431.7-433.1	70% qtz-carb grey, sil. pyrite	12-8	1.4	0.005			
457	becoming more of a greyish colour with very occ. black carbonaceous seam						
466.7-467.7	10" qtz-carb @ 80°, sil. py	12-9	1.0	0.01			

Drilled By.....

Signed .....

SHIELD GEOPHYSICS LIMITED

# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-12  
 TOWNSHIP..... PAGE NO. 3

LOCATION..... CORE LOCATION..... STARTED.....  
 ..... DATUM..... COMPLETED.....  
 ..... BEARING..... DEPTH.....  
 ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz		
493.0-502.0	thinly bedded & slaty cleavage suggests tuffaceous horizon					
508-513	black nonmagnetic min.; 5% pyrite	12-10	5.0	0.03		
520.4-527.0	fine qtz str., 1% diss. pyrite	12-11	6.6	0.02		
530.4-535.4	clots & grains of nonmagnetic black mineral, 2% diss. pyrite	12-12	5.0	Tr		
536-550	highly altered from silica, conc. of black nonmagnetic mineral, possible chlorite, mostly med. green colour					
550 - 631	Aplite: cream buff, v. f. gr. hard, generally massive, some pyrite.					
566-568	70% irreg. qtz-carb, 5% pyrite	12-13	2.0	0.01		
581.7-586.7	20% qtz str., 5% py. fractured with tourm in fractures	12-14	5.0	0.14	.7	.066
586.7-591.7	15% qtz str., 5% pyrite	12-15	5.0	0.02	.1	.13
591.7-594.7	5% diss. py, seaming of tourm, porphyritic texture	12-16	3.0	0.02	.06	.3
594.7-612.0	quasi porphyritic texture, some tourm					
612.0-618.0	much black nonmagnetic mineral - tourmaline ?, slight pyrite	12-17	6.0	Tr		

Drilled By.....

Signed .....  
 SHIELD GEOPHYSICS LIMITED

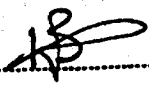
# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-12  
 TOWNSHIP..... PAGE NO. 4

LOCATION..... CORE LOCATION..... STARTED.....  
 ..... DATUM..... COMPLETED.....  
 ..... BEARING..... DEPTH.....  
 ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
	618.0-631.0 some tourmaline ?, slight pyrite						
631 - 737	Carbonatized Intermediate Volcanic: grey, v. f. gr., generally massive, some pyrite, med. hard, carbonate finely dis. throughout rock.						
	667.8-673.4 5% pyrite, 3" qtz str. @ 80°	12-18	5.6	Tr			
	697-698.5 50% carbonate etc.						
	761-766 50% carbonate, 5% pyrite	12-19	5.0	nil			
737 - 857	Carbonatized Intermediate Volcanic: grey, banded with carbonate seaming @ 85°, some pyrite seaming.						
857	END.						
	No Survey because of cave in hole.						

Drilled By.....

Signed .....  
 SHIELD GEOPHYSICS LIMITED



# DIAMOND DRILL RECORD

PROPERTY J. V. BONHOMME HOLE NO. 80-13  
 TOWNSHIP Ogden Township PAGE NO. 1

LOCATION 116'W of hole H15 CORE LOCATION 79 Pine St. S. STARTED November 13, 1980  
& 176' South DATUM \_\_\_\_\_ COMPLETED November 19, 1980  
 BEARING North (est.) DEPTH 985'  
 ELEVATION \_\_\_\_\_ DIP 70°

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
0 - 60	Casing (overburden).						
60 - 154	Mafic Volcanic: v. f. gr., dark green, chloritic, fairly soft, slight foliation @ 70° from carbonate occasional pyrite.						
	63.0-65.0 core ground						
	80.0-81.0 core ground						
	91 3" qtz-carbonate-chlorite str. @ 70°						
	107.7-110.4 80% qtz-carbonate-chlorite v. @ 60° to c.s.	13-1	2.7	0.01			
	125-127 core ground						
	134.6-136 90% qtz-carbonate-chlorite v. @ 50° to c.s.	13-2	1.4	0.01			
154 - 282.2	Carbonatized Mafic Volcanic: dark green, v. f. gr.; chloritic, talcose, soapy, very soft with carbonate stringers poorly defined at 60°-- perhaps ultramafic.						
	196 3" talc carbonate stringer						
	198.5 7" talc carbonate str. @ 80° to c.s.						
	209 7" qtz-carb str. @ 70°						

Drilled By Dominik

Signed  \_\_\_\_\_  
 SHIELD GEOPHYSICS LIMITED

# DIAMOND DRILL RECORD

PROPERTY \_\_\_\_\_ HOLE NO. 80-13  
 TOWNSHIP \_\_\_\_\_ PAGE NO. 2

LOCATION \_\_\_\_\_ CORE LOCATION \_\_\_\_\_ STARTED \_\_\_\_\_  
 \_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 \_\_\_\_\_ BEARING \_\_\_\_\_ DEPTH \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
	223.7-227.0 50% white qtz veins (2) @ 45° to c.a.	13-3	3.3	0.01			
	238.0-282.2 + 75% irregular carbonate seaming, some qtz						
282.2 - 492	Intermediate Volcanic Flow: grey-green, v. f. gr. fairly massive, finely diss. carbonate & occ. carbonate seaming.						
	314.0-317.5 shows fine banding @ 60° - tuff ?						
	331-332 8" qtz-tourm v. @ 60° with po-cpy at contacts	13-4	1.0	Tr			
	344-345 3" qtz-tourm v. @ 70°	13-5	1.0	Tr			
	377- 4" qtz-carbonate str. @ 60°						
	418.5-423 60% carbonate-qtz veining, sli. py	13-6	4.5	Tr			
	481-483 9" very rusty qtz v. @ 80°, wlrk bleached	13-7	2.0	nil			
492 - 553.5	Mafic Volcanic Flow: green, v. f. gr., chloritic fairly massive; carbonatized ?						
553.5 - 677	Intermediate Carbonatized Volcanic: buff to brown, massive to banded from carbonate seaming, v. f. gr. contact fairly abrupt except brown colour extends into unit above.						

Drilled By \_\_\_\_\_

Signed  \_\_\_\_\_  
 SHIELD GEOPHYSICS LIMITED

# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-13

TOWNSHIP..... PAGE NO. 3

LOCATION..... CORE LOCATION..... STARTED.....

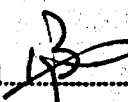
..... DATUM..... COMPLETED.....

..... BEARING..... DEPTH.....

ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
	565.7-580.0 well banded @ 70° from carb seaming						
	581.7 3" qtz str. @ 70°						
	599-637 light green colour, rather than buff						
	627.5, 628.2 4" & 2" light purple qtz mixed with carbonate						
	636 2" as above						
677 - 747	As Above but occasional carbonaceous pyritized seams @ 70° to c.a.						
747 - 772	693-694.6 20% carb seaming, 1% pyrite Intermediate Volcanic or Aplite Intrusive: gray to buff, v. f. gr., very fine banding @ 70° otherwise massive.	13-8	1.6	nil			
772 - 833	Vein Zone: contact at 70° brecciated over 4"						
	771.7-775.7 2" & 3" qtz str. within 3' of brecciated carb, 4% py few grains of sphalerite	13-9	4.0	0.01			
	775.7-780.7 20% qtz str. in fracture zone, 3% py	13-10	5.0	0.01			
	780.7-785.7 1% py, sli. fracturing	13-11	5.0	Tr			
	785.7-788.7 as above	13-12	3.0	0.005			
	788.7-790.7 4-1" qtz str., 2% pyrite	13-13	2.0	0.01			

Drilled By.....

Signed .....

SHIELD GEOPHYSICS LIMITED


# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-13  
 TOWNSHIP..... PAGE NO. 4

LOCATION..... CORE LOCATION..... STARTED.....  
 ..... DATUM..... COMPLETED.....  
 ..... BEARING..... DEPTH.....  
 ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
790.7-795.7	2-1" qtz str., conc. of tourmaline ? 3% pyrite	13-14	5.0	0.01			
795.7-800.7	minor tourmaline ?, 1% pyrite	13-15	5.0	0.01			
800.7-805.7	breccia zone with 15% qtz str., tourmaline ?, 1% pyrite	13-16	5.0	0.01			
805-832.7	massive, fairly hard, v. f. gr., grey to cream with diss. py; within 4' bottom cont. colour banding						
817	2" qtz str. @ 80°						
824.5, 825.5	1" qtz str. @ 80°						
828	1" qtz str.						
833 - 917	Mafic Volcanic Tuff: ? green with cream bands, bleaching in part from black mineral--probably tourmaline, becomes darker away from upper contact.						
854-859	6" black min. (tourm ?) & 5" qtz str.	13-17	5.0	Tr			
874.3-876	40% qtz-tourmaline ?, 1% pyrite	13-18	1.7	Tr			
878-893.8	10% tourmaline ?, 1% pyrite	13-19	5.0	Tr			

Drilled By.....

Signed .....  
 SHIELD GEOPHYSICS LIMITED

# DIAMOND DRILL RECORD

PROPERTY \_\_\_\_\_ HOLE NO. 80-13

TOWNSHIP \_\_\_\_\_ PAGE NO. 5

LOCATION \_\_\_\_\_ CORE LOCATION \_\_\_\_\_ STARTED \_\_\_\_\_

\_\_\_\_\_ DATUM \_\_\_\_\_ COMPLETED \_\_\_\_\_

\_\_\_\_\_ BEARING \_\_\_\_\_ DEPTH \_\_\_\_\_

ELEVATION \_\_\_\_\_ DIP \_\_\_\_\_

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
917 - 980.3	Carbonatized Intermediate Volcanic Tuff: gray to buff colour, f. gr., mineral foliation @ 70° to c.s.						
	943.0-944.4 5" qtz-carb str. @ 70°, py at cont.	13-20	1.4	Tr			
980.3 - 985	Pyritized Intermediate Volcanic Flow: buff colour, v. f. gr., massive with pyrite seams.						
	980.3-985.0 5% pyrite seams	13-21	5.0	nil			
985	END.						
<b>SURVEY TEST</b>							
	<u>Depth</u>	<u>Direction</u>	<u>Dip</u>				
	400'	04°M	63°				
	800'	05°M	60°				

Drilled By \_\_\_\_\_

Signed \_\_\_\_\_  
**SHIELD GEOPHYSICS LIMITED**

# DIAMOND DRILL RECORD

PROPERTY J. V. BONHOMME HOLE NO. 80-14

TOWNSHIP Ogden Township PAGE NO. 1

LOCATION 326' South and 116' West  
of hole H15

CORE LOCATION 79 Pine St. S.

STARTED November 20, 1980

DATUM \_\_\_\_\_

COMPLETED November 27, 1980

BEARING North (est.)


DEPTH 977'

ELEVATION \_\_\_\_\_

DIP 70°

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
0 - 60	Casing (overburden).						
60 - 132	Intermediate Volcanic Flow: light green, v. f. gr., fairly massive, scattered amygdaloids.						
	88.0-102.0 40% qtz str. @ 45-70° to c.a.	14-1	4.0	Tr			
	93.0-132.0 some epidote						
132 - 204	Mafic Volcanics: schistose, med. green, v. f. gr. banded @ 60° with seams of carbonate.						
204 - 229	Carbonatized Intermediate Volcanic: gray to green, v. f. gr. banded @ 70° with carbonate and minor mariposite.						
	216.8 1" qtz-tourm stringer						
229 - 383	Carbonate-Talc Schist: very soft.						
	284-289 70% qtz-carb	14-2	5.0	nil			
	295.8-298.1 80% qtz-carb @ 40°	14-3	2.3	nil			
	353-354 1' ground						
	383-385.5 80% qtz-carb	14-4	2.5	Tr			
383 - 655	Intermediate Volcanic: grey to buff, f. grained, foliation at 70° suggests tuff.						
	459 4" pyrite-carbonate @ 70°						

Drilled By Dominik

Signed  \_\_\_\_\_

SHIELD GEOPHYSICS LIMITED

# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-14

TOWNSHIP..... PAGE NO. 2

LOCATION..... CORE LOCATION..... STARTED.....


..... DATUM..... COMPLETED.....

..... BEARING..... DEPTH.....

ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
	471.3-472.0 4" & 3" qtz-carb + pyrrhotite						
	478-483 80% qtz-tourm v., 3% po	14-5	5.0	nil			
	483-485 3" & 1" qtz str. @ 60°, heavy po	14-6	2.0	Tr			
	552.7 3" qtz-carb						
	573.5 2" qtz-carb @ 60°, mod. po						
655 - 676	Carbonatized Intermediate Volcanic: light green, banded with carbonate & sulphide seams.						
676 - 785	Intermediate Volcanic: grey to buff colour, v. f. gr., slightly banded @ 60-70° with occ. qtz or carbonate stringer.						
	701.5-702.5 10% galena & sphalerite in qtz str. @ 50° to c.a.	14-7	1.0	Tr			
	741.7 1" qtz str. @ 70°						
	752.3 1" qtz str. @ 80°						
	776-785 schistose to slaty carbonaceous section with pyrite seaming						
785 - 887	Intermediate Volcanic with carbonaceous fractures grey to buff, v. f. gr., carbon seams @ 70-80°, occ. grey carbonate seams.						

Drilled By.....

Signed .....  
SHIBLD GEOPHYSICS LIMITED


# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-14  
 TOWNSHIP..... PAGE NO. 3

LOCATION..... CORE LOCATION..... STARTED.....  
 ..... DATUM..... COMPLETED.....  
 ..... BEARING..... DEPTH.....  
 ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
	856.0-857.5 80% qtz breccia, sli. sulphides	14-8	1.5	Tr			
	857.5-861.0 15% qtz str., 1% py	14-9	3.5	Tr			
	868.2-871.7 75% qtz breccia, 5% pyrite	14-10	3.5	Tr			
887 - 974	Intermediate Volcanic: grey to green, poorly defined banding altered from tourmaline & seriposite.						
	904.5-907.3 much fracture filling tourmaline, little qtz, seriposite, 2% pyrite	14-11	2.8	nil			
	911-914 vuggy						
974 - 977	Intermediate Volcanic: buff to brown, f. gr., fairly massive & uniform.						
977	END.						
	<u>SURVEY TEST</u>						
	Depth    Direction    Dip						
	400'    08° mag.    62°						
	800'    01° mag.    57°						

Drilled By.....

Signed .....  
 SHIELD GEOPHYSICS LIMITED



# DIAMOND DRILL RECORD

PROPERTY J. V. BONHOMME HOLE NO. 80-15

TOWNSHIP Ogden Township PAGE NO. 1

LOCATION 207' North & 116' West  
of hole H15

CORE LOCATION 79 Pine St. S.

STARTED November 28, 1980

DATUM \_\_\_\_\_

COMPLETED December 2, 1980

BEARING North (ast.)

DEPTH 887'


ELEVATION \_\_\_\_\_

DIP 70°

(scheduled for 700')

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
0 - 52	Casing (overburden).						
52 - 223.4	Carbonatized Intermediate to Mafic Volcanic: light to dark green, f. gr., slightly schistose, banded at 50-60° with carbonate seams, locally chloritic. 109.0-143.5 few carb seams, fairly massive 165.0-223.4 few carb seams, fairly massive						
223.4 - 262	Intermediate Volcanic Flow: grey to buff or brown, v. f. gr., fairly massive, slightly schistose with fine carbonate seaming; contact over few inches, fairly soft.						
	257.3-259.2 2" & 4" qtz-carb str. @ 80° to c.a.	15-1	1.9	Tr			
262 - 402	Carbonatized Intermediate Volcanic: as above with carbonate, pyrite, odd carbonaceous seam.						
	272.0-274.6 1' qtz-rust @ 60°, rust after py ?	15-2	2.6	Tr			
	372.3-376.0 90% carb, 1% py, white carb str. at 375 represents fault	15-3	3.7	Tr			
	400.6-402.0 80% carb with mud seam, represents fault @ 50°	15-4	1.4	0.02			

Drilled By Dominik

Signed  \_\_\_\_\_  
SHIELD GEOPHYSICS LIMITED


# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-15  
 TOWNSHIP..... PAGE NO. 2

LOCATION..... CORE LOCATION..... STARTED.....  
 ..... DATUM..... COMPLETED.....  
 ..... BEARING..... DEPTH.....  
 ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
402 - 662	Carbonatized Intermediate Volcanic Tuff: grey, f. gr., faint granular foliation @ 60° with odd carbonaceous, carbonate, & pyrite seams.						
469.0-491.3	bleaching, tourmalinized, pyritized						
468.5-472.0	needles & clots of tourm, 2% pyrite	15-5	3.5	0.01			
472.0-477.0	some tourmaline, 1% pyrite	15-6	5.0	Tr			
482.0-486.5	sheared, with fine carb & py seams	15-7	4.5	Tr			
486.5-491.3	50% grey to black qtz-carb, 2% py	15-8	4.8	Tr			
539.0-542.5	4-3" qtz-tourm str. @ 50° in pyritized silicified wrk, 2% py	15-9	3.5	Tr			
565	1" fragment of black slate suggests tuff						
591.0-593.8	50% carbonate, 1% pyrite	15-10	2.8	Tr			
608.0-614.0	60% grey carb-qtz @ 90°, sericite, 1% pyrite	15-11	6.0	Tr			
621.3-623.0	2-1" py seams @ 70° adj. to 2" carb	15-12	1.7	Tr			
631.5-632.5	7" qtz-carb str. @ 45°	15-13	1.0	Tr			
646.0-647.0	60% qtz-carb @ 70°, 10% pyrite	15-14	1.0	Tr			

Drilled By.....

Signed .....  
 SHIELD GEOPHYSICS LIMITED

# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-15

TOWNSHIP..... PAGE NO. 3

LOCATION..... CORE LOCATION..... STARTED.....


..... DATUM..... COMPLETED.....

..... BEARING..... DEPTH.....

ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
662 - 741	Carbonatized Mafic Volcanic: green, f. gr., diss. & seams of white carbonate, chloritic.						
	732.8-736.8 70% qtz-carb, 6% pyrite @ 60°	15-15	4.0	Tr			
741 - 887	Carbonatized Intermediate Volcanic Tuff: ? buff to grey, v. f. gr., slaty cleavage @ 80°, seams of pyritized carbonate & qtz.						
	747.0-748.0 70% qtz-carb @ 75°, 1% pyrite	15-16	1.0	0.01			
887	END.						

Drilled By.....

Signed .....

SHIELD GEOPHYSICS LIMITED

# DIAMOND DRILL RECORD

PROPERTY J. V. BONHOMME HOLE NO. 80-16  
 TOWNSHIP Ogden Township PAGE NO. 1

LOCATION 157' North & 267' West  
of hole H15

CORE LOCATION 79 Pine St. S.

STARTED December 6, 1980

DATUM \_\_\_\_\_

COMPLETED December 8, 1980

BEARING North (est.)


DEPTH 650'

ELEVATION \_\_\_\_\_

DIP 70°

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
0 - 57	Casing (overburden).						
57 - 141.5	Carbonatized Intermediate Volcanic: mud green, v. f. gr. much seaming of carbonate, some mariposite-fuchsite alterations.						
	64.5-67.0 rust section from water course						
	102-105 2% pyrrhotite, chalcopyrite	16-1	3.0	Tr			
141.5 - 227	Carbonatized Mafic Volcanic: dark green, f. gr., schistose, soft, chloritic with odd carbonate-quartz seams.						
	190.5-191.5 talcose sheared section						
227 - 473	Carbonatized Intermediate Volcanic: grey to buff, v. f. gr. seamed with carbonate @ 70°, some py fairly massive.						
	298 4" qtz-carb str. @ 70°						
	301.5-307.0 20% qtz-carb str. @ 50°, sli. pyrite	16-2	5.5	nil			
	360.5-362.0 4" qtz-carb @ 70°, sli. py	16-3	1.5	Tr			
	369.0-370.8 50% qtz-carb, 1" seamed carb-fault	16-4	1.8	Tr			
	400.9-402.0 6" qtz-carb, 1% pyrite	16-5	1.1	0.05			
	419.9-421.4 20% qtz-carb, 3% pyrite	16-6	1.5	0.01			

Drilled By Dominik

Signed  \_\_\_\_\_  
 SHIELD GEOPHYSICS LIMITED


# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-16  
 TOWNSHIP..... PAGE NO. 2

LOCATION..... CORE LOCATION..... STARTED.....  
 ..... DATUM..... COMPLETED.....  
 ..... BEARING..... DEPTH.....  
 ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
473 - 577	Intermediate Intrusive with Tourmaline?: hard black mineral diss. in rock-tourmaline? odd irreg. qtz str., sli. pyrite diss. highly carbonatized, massive, f. gr., perhaps felsic intrusive.						
495.5-497.0	60% irreg. qtz-carb, 2% pyrite	16-7	1.5	0.02			
541.5-547.0	20% qtz str. in tourmaline-rich black matrix, 1% pyrite	16-8	5.5	Tr			
547-552	25% fract.-filling qtz in black matrix	16-9	5.0	0.04			
552-557	15% fract.-filling white qtz in black matrix, slight pyrite	16-10	5.0	Tr			
557-562	25% fract.-filling white qtz in black matrix, slight pyrite	16-11	5.0	Tr			
562-567	20% fract.-filling white qtz in black matrix, 1% apy	16-12	5.0	0.03			
567-570.1	diss. pyrite	16-13	3.1	0.01			
577-582	some tourmaline, 5% pyrite	16-14	5.0	0.01			
582-587	4% pyrite in fractured zone	16-15	5.0	0.01			

Drilled By.....

Signed .....  
 SHIELD GEOPHYSICS LIMITED


# DIAMOND DRILL RECORD

PROPERTY J. V. BONHOMME HOLE NO. 80-17  
 TOWNSHIP Ogden Township PAGE NO. 1

LOCATION 192' South & 267' West CORE LOCATION 79 Pine St. S. STARTED December 10, 1980.  
of hole H-15 DATUM \_\_\_\_\_ COMPLETED December 13, 1980.  
 BEARING North (ast.) DEPTH 854'  
 ELEVATION \_\_\_\_\_ DIP 70°

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
0 - 59	Casing (overburden).						
59 - 163	Mafic Volcanic: green, v. f. gr., apparently massive but with slaty cleavage @ 50-60°, chloritic.						
92	5" qtz-carbonate str. @ 50°						
97	4" qtz-carbonate str. @ 50°						
97.0-99.0	epidote & mauve carbonate str.						
99.0-100.8	100% qtz-mauven carbonate	17-1	1.8	nil			
102.3	8" qtz-carb @ 60°						
104	4" qtz-carb @ 70°						
105	3" qtz-carb @ 70°						
107-127	vuggy, chloritic banded @ 60° - tuff?						
124-127	core ground						
127	well defined mineral foliation @ 60°						
130	4" qtz-tourm str. @ 60°						
131-133	core ground						
163 - 246.5	Ultramafic Rock: in part schistose equivalent of unit above; otherwise dark green to black, fairly massive, soft, talcose, both contacts abrupt.						

Drilled By Dominik

Signed  \_\_\_\_\_  
 SHIELD GEOPHYSICS LIMITED

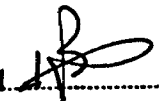
# DIAMOND DROLL RECORD

PROPERTY..... HOLE NO. 80-17  
 TOWNSHIP..... PAGE NO. 2

LOCATION..... CORE LOCATION..... STARTED.....  
 ..... DATUM..... COMPLETED.....  
 ..... BEARING..... DEPTH.....  
 ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
246.5 - 279.3	Carbonatized Mafic Volcanic: light green, v. f. gr., much irreg. white to grey carbonate.						
279.3 - 501	Intermediate Volcanic: grey to buff, v. f. gr., massive, minor apparent carbonate as seaming.						
328.5	2" qtz-carb str. @ 90°						
365	almost imperceptible change in colour to light green, otherwise rock very similar						
385.4	5" qtz-carb @ 60°						
408-409	90% qtz-carbonate @ 60°						
458.5	2" chert carbonate @ 70°						
469	4" irreg. qtz-carb						
501 - 552	Carbonatized Intermediate Volcanic: buff colour, f. gr. carbonate grain foliation at 60-70° corresponding to slaty cleavage suggests tuff.						
527.0-533.0	some grey to black carb seaming & py						
552 - 630	Intermediate Volcanic: buff colour, v. f. gr., generally massive and harder, occasional indistinct amygdules.						

Drilled By.....

Signed .....  
 SHIELD GEOPHYSICS LIMITED

# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-17  
 TOWNSHIP..... PAGE NO. 3

LOCATION..... CORE LOCATION..... STARTED.....  
 ..... DATUM..... COMPLETED.....  
 ..... BEARING..... DEPTH.....  
 ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
599.0-600.5	3" & 12" qtz-carb-feldspar vein						
600.5	less massive, more foliation of py, some carb & breccia bands						
630 - 734	Carbonatized Intermediate Volcanic Tuff: no definite contact, grey to buff, v. f. gr., seaming of carbonate, carbonaceous material, py @ 60-70°.						
677.8-681.8	1.5' qtz-carb v. @ 50°, some pyrite	17-2	4.0	nil			
734 - 854	Vein Zone: rock becomes harder, disuniform, fractured.						
734.0-735.2	brecciated qtz-carb, 1% pyrite	17-3	1.2	Tr			
735.2-736.8	5% pyrite seaming	17-4	1.6	Tr			
736.8-737.9	20% irreg. qtz, 10% pyrite	17-5	1.1	0.03			
737.9-742.9	hard, brown, black vein-tourm?, 3% py	17-6	5.0	Tr			
742.9-743.9	30% fracture-filling qtz & tourm, 3% pyrite	17-7	1.0	Tr			
743.9-745.9	brown, hard, 1% pyrite	17-8	2.0	nil			
745.9-750.9	60% fracture-filling white qtz & tourmaline, qtz is later, 3% pyrite	17-9	5.0	0.01			

Drilled By.....

Signed .....  
 SHIELD GEOPHYSICS LIMITED



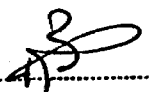
# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-17  
 TOWNSHIP..... PAGE NO. 4

LOCATION..... CORE LOCATION..... STARTED.....  
 ..... DATUM..... COMPLETED.....  
 ..... BEARING..... DEPTH.....  
 ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz		
750.9-753.1	60% as above	17-10	2.2	0.01		
753.1-757.4	few white qtz str. in brecciated wlrk, 2% pyrite	17-11	4.3	0.02		
763.0-767.6	20% qtz-carb str., 2% pyrite	17-12	4.6	0.05		
767.6-774.0	50% white qtz, 1% pyrite	17-13	6.4	0.02		
774.0-779.0	10% qtz, 3% py	17-14	5.0	Tr		
779.0-784.0	20% qtz, 4% py	17-15	5.0	0.23	1.15	
784.0-789.0	80% qtz-carb, 2% py, VG with py seam	17-16	5.0	0.36	1.8	2.9
789.0-794.0	15% qtz-tourm, 4% py	17-17	5.0	0.38	1.9	17.7'
794.0-796.7	40% qtz-tourm, 2% py	17-18	2.7	0.09	2.43	
796.7-801.7	2-1" qtz str., 2% py in silicified zone	17-19	5.0	0.02		
801.7-820.0	variable silicification of 70° banded light grey rock-tuff ?					
820-832.2	grey to green tourmalinized & chloritized					
825.6-832.2	25% tourmaline, few qtz str., 2% py	17-20	6.6	Tr		
832.2-854	as above, grey banded & amygdaloidal					
854	END.					

Drilled By.....

Signed .....  
 SHIELD GEOPHYSICS LIMITED

# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-17

TOWNSHIP..... PAGE NO. 5

LOCATION..... CORE LOCATION..... STARTED.....


..... DATUM..... COMPLETED.....

..... BEARING..... DEPTH.....

ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE			
	NO Survey because of cave in hole.					
	Dip Test - 800' 50°					

Drilled By.....

Signed .....  
**SHIELD GEOPHYSICS LIMITED**

# DIAMOND DRILL RECORD

PROPERTY J. V. BONHOMME

HOLE NO. 80-18

TOWNSHIP Ogden Township

PAGE NO. 1

LOCATION 34' East & 60' North  
of hole H-15

CORE LOCATION 79 Pine St. S.

STARTED December 15, 1980

DATUM \_\_\_\_\_

COMPLETED December 17, 1980

BEARING North (est.)

DEPTH 757'

ELEVATION \_\_\_\_\_

DIP 70°

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
0 - 58	Casing (overburden).						
58 - 149	Carbonatized Mafic Volcanic: green to dark green v. f. gr., heavy carbonate seaming @ 60-90°, locally talcose contact gradational to--						
149 - 273	Intermediate Volcanic: light green, v. f. gr., fairly massive, fine carbonate dissemination as poorly defined amygdules. 237.0-273.0 becomes more massive and chloritic						
273 - 295	Carbonatized Intermediate Tuff: green, v. f. gr. banded at 60° marked by carbonate seams. 288.5            2" grey qtz str. @ 60°						
295 - 328.5	Intermediate to Mafic Volcanic: green, v. f. gr. massive & chloritic.						
328.5 - 389	Carbonatized Intermediate to Mafic Volcanic: green, f. gr., carbonate grains & seams at about 60° to c.a., odd qtz stringer.						
389 - 607	Intermediate Volcanic Tuff: grey-brown to buff, v. f. gr., banded @ 60-70° from fine mineral foliation slaty cleavage & carbonate seams.						

Drilled By Dominik

Signed [Signature]

SHIELD GEOPHYSICS LIMITED

# DIAMOND DRILL RECORD

PROPERTY..... HOLE NO. 80-18  
 TOWNSHIP..... PAGE NO. 2

LOCATION..... CORE LOCATION..... STARTED.....  
 ..... DATUM..... COMPLETED.....  
 ..... BEARING..... DEPTH.....  
 ELEVATION..... DIP.....

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	Au/oz			
	407.8-409.5 irreg. qtz-carbonate, 1% pyrite	18-1	1.7	Tr			
	485-486 3" & 2" qtz-carb str. @ 70°	18-2	1.0	nil			
	452 4" grey carbonate + py						
	435 some pyrite seaming						
	486 3-3" qtz-carb str.						
	496-497.2 80% black carb-white qtz, 1% pyrite	18-3	1.2	0.03			
	519-524 90% grey carbonate	18-4	5.0	Tr			
607 - 757	Intermediate Volcanic Tuff: light grey, v. f. gr., shows incipient banding @ 50-70°, some carbonate seaming.						
	671.0-679.0 diss. pyrite						
	674-679 2% diss. pyrite	18-5	5.0	0.03			
	679-684 60% graphitic @ 50°, 5% pyrite	18-6	5.0	Tr			
	693-696.7 20% qtz str. @ 70°	18-7	3.7	0.03			
	696.7-701.7 40% qtz-carb str. @ 80°, eli. pyrite	18-8	5.0	0.03			
	679-752 dark grey colour						
	701.7-706.0 2% pyrite	18-9	4.3	0.01			
	752-757 light grey						
757	END.						

Dip Test @ 700' - 63° ?

Drilled By.....

Signed .....  
 SHIELD GEOPHYSICS LIMITED



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE  
BOURLAMAQUE ASSAY LABORATORIES LTD.

Shield Geophysics Ltd.

Projet: J.V. Bonhomme

CERTIFICAT D'ANALYSES  
CERTIFICATE OF ANALYSIS

No 31690

ÉCHANTILLONS small core  
SAMPLES .....

VAL D'OR, QUÉ., August 1 1980

RECU DE RECEIVED FROM .....

ANALYSES 5 Au.  
ASSAYS .....

<u>Sample No.</u>	<u>Au oz/ton</u>
1 - 1	nil
1 - 2	nil
1 - 3	Trace
1 - 4	Trace
1 - 5	nil

*Allegria*

ANALYSTE / ASSAYER



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE  
BOURLAMAQUE ASSAY LABORATORIES LTD.

Shield Geophysics

Projet: T.O. Bonhomme

ÉCHANTILLONS  
SAMPLES

core

RECU DE  
RECEIVED FROM

CERTIFICAT D'ANALYSES  
CERTIFICATE OF ANALYSIS

No 31732

August 11

80

VAL D'OR, QUÉ.,

19.....

ANALYSES  
ASSAYS

3 Au.

Sample No.

Au oz/ton

3 - 1

nil

3 - 2

nil

3 - 3

Trace

*Alouche*  
ANALYSTE / ASSAYER



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE  
BOURLAMAQUE ASSAY LABORATORIES LTD.

Shield Geophysics Limited

CERTIFICAT D'ANALYSES  
CERTIFICATE OF ANALYSIS

Projet: T.O. Bonhomme

No 31763

ÉCHANTILLONS core  
SAMPLES

VAL D'OR, QUÉ., August 14 1980

RECU DE RECEIVED FROM

ANALYSES 3 Au.  
ASSAYS

<u>Sample No.</u>	<u>Au oz/ton</u>
3-4	0.01
3-5	0.01
4-1	Trace

ANALYSTE / ASSAYER



# LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE BOURLAMAQUE ASSAY LABORATORIES LTD.

Shield Geophysics Ltd.

Projet: J.O. Bonhomme

ÉCHANTILLONS core  
SAMPLES

RECU DE RECEIVED FROM

CERTIFICAT D'ANALYSES  
CERTIFICATE OF ANALYSIS

No 31791

August 20

80

VAL D'OR, QUÉ., 19

ANALYSES 6 Au.  
ASSAYS

<u>Sample No.</u>	<u>Au oz/ton</u>
4 - 2	Trace ✓
4 - 3	Trace ✓
4 - 4	Trace ✓
4 - 5	Trace ✓
4 - 6	Trace ✓
4 - 7	Trace ✓

ANALYSTE / ASSAYER





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BOURLAMAQUE ASSAY LABORATORIES LTD.

Shield Geophysics Limited

CERTIFICAT D'ANALYSES  
CERTIFICATE OF ANALYSIS

Projet: J.V. Bonhomme

No 31821

ÉCHANTILLONS  
SAMPLES

core

VAL D'OR, QUÉ., August 26 1980

RECU DE  
RECEIVED FROM

ANALYSES  
ASSAYS 14 Au. 14 Ag. 8 Zn.

<u>Sample No.</u>	<u>Au oz/ton</u>	<u>Ag oz/ton</u>	<u>Zn %</u>
5 - 1	0.02	Trace	
5 - 2	0.01	0.01	
5 - 3	0.01	0.01	0.084
5 - 4	0.02	Trace	0.043
5 - 5	0.01	Trace	0.073
5 - 6	0.01	Trace	0.152
5 - 7	Trace	Trace	0.025
5 - 8	Trace	Trace	0.035
5 - 9	0.01	Trace	0.020
5 - 10	Trace	Trace	0.019
5 - 11	0.01	0.01	
5 - 12	Trace	Trace	
5 - 13	Trace	Trace	
5 - 14	0.01	Trace	

*J. Gaudet*  
ANALYSTE / ASSAYER  
*J. N. Melnikow*



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE  
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Shield Geophysics Limited

CERTIFICAT D'ANALYSES  
CERTIFICATE OF ANALYSIS

Projet: J.V. Bonhomme

No 31854

ÉCHANTILLONS core  
SAMPLES .....

VAL D'OR, QUÉ., ..... Sept. 2 1980

RECU DE RECEIVED FROM .....

ANALYSES ASSAYS ..... 11 Au. 6 Ag. 1 Zn.

<u>Samples No.</u>	<u>Au oz/ton</u>	<u>Ag oz/ton</u>	<u>Zn %</u>
5 - 15	0.01	Trace	0.037
5 - 16	Trace	Trace	
5 - 17	Trace	Trace	
5 - 18	Trace	0.01	
5 - 19	Trace	0.01	
5 - 20	Trace	Trace	
5 - 21	0.02		
5 - 22	Trace		
5 - 23	nil		
5 - 24	nil		
5 - 25	nil		

*M. Benin*  
ANALYSTE / ASSAYER



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CERTIFICAT D'ANALYSES  
CERTIFICATE OF ANALYSIS

Projet: T.V. Bonhomme

No 31922

ECHANTILLONS  
SAMPLES

pulp

VAL D'OR, QUÉ., Sept. 11 1980

RECU DE  
RECEIVED FROM

ANALYSES  
ASSAYS 25 Cu. 16 Zn.

<u>Sample No.</u>	<u>Cu %</u>	<u>Zn %</u>
5 - 1	0.015	0.020
5 - 2	0.019	0.081
5 - 3	0.018	
5 - 4	0.018	
5 - 5	0.020	
5 - 6	0.033	
5 - 7	0.017	
5 - 8	0.015	
5 - 9	0.014	
5 - 10	0.015	
5 - 11	0.048	0.240
5 - 12	0.023	0.093
5 - 13	0.018	0.049
5 - 14	0.010	0.015
5 - 15	0.012	0.008
5 - 16	0.015	
5 - 17	0.030	0.105
5 - 18	0.057	0.280
5 - 19	0.038	0.192
5 - 20	0.018	0.108
5 - 21	0.010	0.034
5 - 22	0.006	0.012
5 - 23	0.006	0.005
5 - 24	0.006	0.005
5 - 25	0.010	0.006

*Allecubard*

ANALYSTE / ASSAYER



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Shield Geophysics Limited

CERTIFICAT D'ANALYSES  
CERTIFICATE OF ANALYSIS

Projet: T.V. Bonhomme

No 31929

ECHANTILLONS core  
SAMPLES .....

VAL D'OR, QUÉ., ..... 19..... 80  
Sept. 11

RECU DE RECEIVED FROM .....

ANALYSES 18 Au. 18 Ag. 18 Cu. 18 Zn.  
ASSAYS .....

<u>Sample No.</u>	<u>Au oz/ton</u>	<u>Ag oz/ton</u>	<u>Cu %</u>	<u>Zn %</u>
6 - 1	Trace	0.02	0.005	0.018
6 - 2	Trace	Trace	0.003	0.010
6 - 3	Trace	Trace	0.004	0.006
6 - 4	Trace	Trace	0.005	0.003
6 - 5	Trace	Trace	0.010	0.003
6 - 6	Trace	Trace	0.030	0.072
6 - 7	nil	Trace	0.012	0.010
6 - 8	nil	Trace	0.009	0.008
6 - 9	0.01	0.01	0.004	0.007
6 - 10	Trace	0.02	0.024	0.123
6 - 11	0.02	0.29	0.026	0.185
6 - 12	Trace	Trace	0.014	0.090
6 - 13	nil	Trace	0.007	0.013
6 - 14	nil	Trace	0.004	0.008
6 - 15	nil	Trace	0.008	0.005
6 - 16	Trace	Trace	0.031	0.245
6 - 17	nil	Trace	0.004	0.018
6 - 18	nil	Trace	0.004	0.011

*Allegria*

ANALYSTE / ASSAYER



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE  
BOURLAMAQUE ASSAY LABORATORIES LTD.

Shield Geophysics Limited

CERTIFICAT D'ANALYSES  
CERTIFICATE OF ANALYSIS

Projet: J.V. Bonhomme

No 32002

ÉCHANTILLONS core  
SAMPLES

VAL D'OR, QUÉ., Sept. 25 1980

RECU DE R. Bradshaw  
RECEIVED FROM

ANALYSES 11 Au. 11 Ag.  
ASSAYS

<u>Sample No.</u>	<u>Au oz/ton</u>	<u>Ag oz/ton</u>
7 - 1	0.01	Trace
7 - 2	Trace	Trace
7 - 3	0.01	0.22
7 - 4	Trace	Trace
7 - 5	Trace	0.02
7 - 6	Trace	Trace
7 - 7	Trace	Trace
7 - 8	Trace	Trace
7 - 9	nil	Trace
7 - 10	nil	Trace
7 - 11	Trace	Trace

*Allecubia*

ANALYSTE / ASSAYER



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE  
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Shield Geophysics Ltd.,

Projet: J.V. Bonhomme

CERTIFICAT D'ANALYSES  
CERTIFICATE OF ANALYSIS

No 32018

ÉCHANTILLONS core  
SAMPLES

VAL D'OR, QUÉ., Sept. 30 1980

RECU DE  
RECEIVED FROM

ANALYSES 8 Au.  
ASSAYS

<u>Sample No.</u>	<u>Au oz/ton</u>
7 - 11 - A	Trace
8 - 1	nil
8 - 2	nil
8 - 3	nil
8 - 4	Trace
8 - 5	Trace
8 - 6	nil
8 - 7	nil

*Allegre*

ANALYSTE / ASSAYER



# LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE BOURLAMAQUE ASSAY LABORATORIES LTD.

Shield Geophysics Ltd.

Projet: T.V. Bonhomme

ÉCHANTILLONS core  
SAMPLES

RECU DE RECEIVED FROM

## CERTIFICAT D'ANALYSES CERTIFICATE OF ANALYSIS

No 32041

VAL D'OR, QUÉ., October 2 1980

ANALYSES 6 Au.  
ASSAYS

Sample No.                      Au oz/ton

8 - 8	nil
8 - 9	nil
8 - 10	Trace
8 - 11	0.01
8 - 12	nil
8 - 13	0.02

*Alfred D.*  
ANALYSTE / ASSAYER



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE  
BOURLAMAQUE ASSAY LABORATORIES LTD.

Shield Geophysics Limited

CERTIFICAT D'ANALYSES  
CERTIFICATE OF ANALYSIS

Projet: J.V. Bonhomme

No 32178

ECHANTILLONS  
SAMPLES

core

VAL D'OR, QUÉ., October 22 1980

RECU DE  
RECEIVED FROM R. Bradshaw

ANALYSES  
ASSAYS 27 Au.

<u>Sample No.</u>	<u>Au oz/ton</u>
80 - 9 - 1	Trace
2	Trace
3	Trace
3A	0.03
4	Trace
5	nil
6	nil
7	Trace
8	nil
9	nil
10	nil
11	Trace
12	0.01
13	Trace
14	Trace
15	nil
16	Trace
17	Trace
18	0.01
19	Trace
20	nil
21	Trace
22	nil
23	nil
24	nil
25	nil
26	Trace

*D. Melubascini*  
ANALYSTE / ASSAYER





LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE  
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Shield Geophysics Inc.

CERTIFICAT D'ANALYSES  
CERTIFICATE OF ANALYSIS

Projet: T.V. Bonhomme

No 32280

ÉCHANTILLONS core  
SAMPLES

VAL D'OR, QUÉ., November 3 1980

RECU DE R. Bradshaw  
RECEIVED FROM

ANALYSES 26 Au.  
ASSAYS

<u>Sample No.</u>	<u>Au oz/ton</u>
9 - 27	0.01
28	Trace
29	Trace
30	Trace
31	Trace
32	nil
10 - 1	Trace
2	nil
3	nil
4	Trace
5	0.01
6	Trace
7	0.34
8	0.25
9	0.27
10	0.08
11	0.01
12	0.01
13	Trace
14	Trace
15	Trace
16	Trace
17	Trace
18	Trace
19	nil
20	nil

ANALYSTE / ASSAYER



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE  
BOURLAMAQUE ASSAY LABORATORIES LTD.

Shield Geophysics Ltd.

Project: T.V. Bonhomme

ÉCHANTILLONS  
SAMPLES

core

RECU DE  
RECEIVED FROM

R. Bradshaw

CERTIFICAT D'ANALYSES  
CERTIFICATE OF ANALYSIS

No 32324

VAL D'OR, QUÉ., November 10 1980

ANALYSES 15 Au.  
ASSAYS

<u>Sample No.</u>	<u>Au oz/ton</u>
10-21	0.01
10-22	0.01
10-23	nil
11- 1	Trace
11- 2	nil
11- 3	nil
11- 4	nil
11- 5	Trace
11- 6	0.01
11- 7	0.02
11- 8	0.03
11- 9	0.03
11-10	0.06
11-11	0.01
11-12	Trace

  
ANALYSTE / ASSAYER



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE  
BOURLAMAQUE ASSAY LABORATORIES LTD.

Shield Geophysics Limited

CERTIFICAT D'ANALYSES  
CERTIFICATE OF ANALYSIS

Project: T.V. Bonhomme

No 32399

ECHANTILLONS core  
SAMPLES

November 19 80

VAL D'OR, QUÉ., 19

RECU DE R. Bradshaw  
RECEIVED FROM

ANALYSES 19 Au.  
ASSAYS

<u>Sample No.</u>	<u>Au oz/ton</u>
✓ 12 - 1	nil
2	nil
3	nil
4	nil
5	Trace
6	nil
7	0.005
8	0.005
9	0.01
10	0.03
11	0.02
12	Trace
13	0.01
14	0.14
15	0.02
16	0.02
17	Trace
18	Trace
19	nil

*Alleluha*

ANALYSTE / ABBAYER



# LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE BOURLAMAQUE ASSAY LABORATORIES LTD.

Shield Geophysics Limited

Project: T.V. Bonhomme

CERTIFICAT D'ANALYSES  
CERTIFICATE OF ANALYSIS

No 32433

ECHANTILLONS  
SAMPLES

RECU DE  
RECEIVED FROM R. Bradshaw

VAL D'OR, QUÉ., November 25 1980

ANALYSES  
ASSAYS 24 Au. 2 Ag.

4 Ag (re-runs)

<u>Sample No.</u>	<u>Au oz/ton</u>	<u>Ag oz/ton</u>
13- 1	0.01	
2	0.01	
3	0.01	
4	Trace	
5	Trace	
6	Trace	
7	nil	
8	nil	
9	0.01	
10	0.01	
11	Trace	
12	0.005	
13	0.01	
14	0.01	
15	0.01	
16	0.01	
17	Trace	
18	Trace	
19	Trace	
20	Trace	
21	nil	
10-10 A	0.02	Trace
10-10 B	Trace	Trace
11-10 A	0.01	
re-runs (pulp):		
10- 7		0.05
10- 8		0.06
10- 9		0.03
10-10		0.01

*Aluluka P*

ANALYSTE / ASSAYER



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE  
BOURLAMAQUE ASSAY LABORATORIES LTD.

Shield Geophysics Limited

CERTIFICAT D'ANALYSES  
CERTIFICATE OF ANALYSIS

Project: T.V. Bonhomme

No 32543

ÉCHANTILLONS core  
SAMPLES

VAL D'OR, QUÉ., December 9 19 80

RECU DE R. Bradshaw  
RECEIVED FROM

ANALYSES 27 Au.  
ASSAYS

Sample No.    Au oz/ton

Sample No.    Au oz/ton

14 - 1	Trace
2	nil
3	nil
4	Trace
5	nil
6	Trace
7	Trace
8	Trace
9	Trace
10	Trace
11	nil

15 - 1	Trace
2	Trace
3	Trace
4	0.02
5	0.01
6	Trace
7	Trace
8	Trace
9	Trace
10	Trace
11	Trace
12	Trace
13	Trace
14	Trace
15	Trace
16	0.01

*Alfred...*  
ANALYSTE / ASSAYER



LABORATOIRE D'ANALYSE BOURLAMAQUE LTÉE  
BOURLAMAQUE ASSAY LABORATORIES LTD.

Shield Geophysics Limited

CERTIFICAT D'ANALYSES  
CERTIFICATE OF ANALYSIS

Proect: J.V. Bonhomme

No 32591

ÉCHANTILLONS core  
SAMPLES

VAL D'OR, QUÉ., December 16 19 80

RECU DE R. Bradshaw  
RECEIVED FROM

ANALYSES 16 Au.  
ASSAYS

<u>Sample No.</u>	<u>Au oz/ton</u>
80-16- 1	Trace
2	nil
3	Trace
4	Trace
5	0.05
6	0.01
7	0.02
8	Trace
9	0.04
10	Trace
11	Trace
12	0.03
13	0.01
14	0.01
15	0.01
16	Trace

*Alleluia*

ANALYSTE / ASSAYER



LABORATOIRE D'ANALYSE BOURLAMAQUE ETÉE  
BOURLAMAQUE ASSAY LABORATORIES LTD.

Shield Geophysics Limited

Project: J.V. Bonhomme

CERTIFICAT D'ANALYSES  
CERTIFICATE OF ANALYSIS

No 32640

December 23

80

VAL D'OR, QUÉ., 19.....

ÉCHANTILLONS  
SAMPLES

core

RECU DE  
RECEIVED FROM

R. Bradshaw

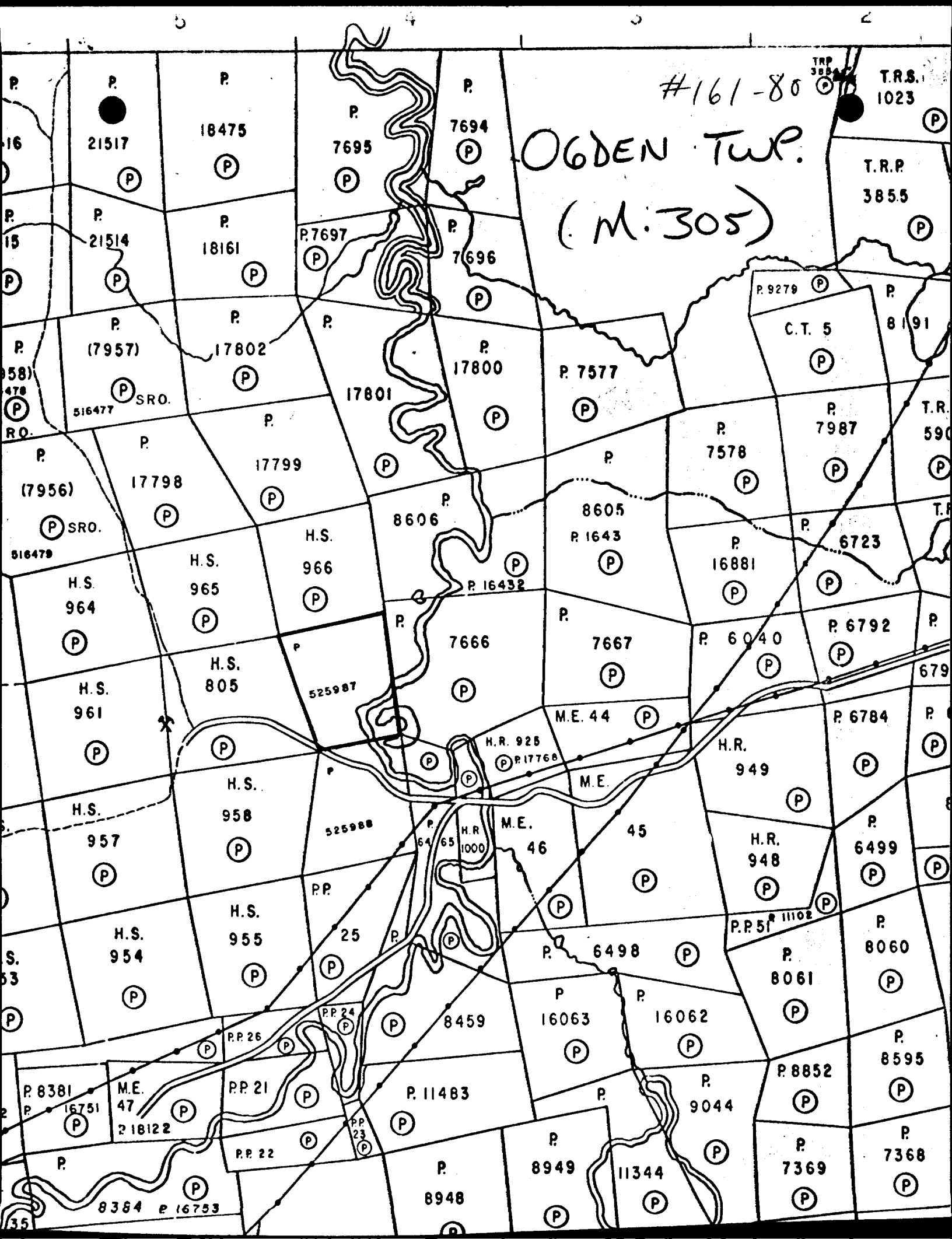
ANALYSES  
ASSAYS

29 Au.

<u>Sample No.</u>	<u>Au oz/ton</u>
17 - 1	nil
2	nil
3	Trace
4	Trace
5	0.03
6	Trace
7	Trace
8	nil
9	0.01
10	0.01
11	0.02
12	0.05
13	0.02
14	Trace
15	0.23
16	0.36
17	0.38
18	0.09
19	0.02
20	Trace

<u>Sample No.</u>	<u>Au oz/ton</u>
18 - 1	Trace
2	nil
3	0.03
4	Trace
5	0.03
6	Trace
7	0.03
8	0.03
9	0.01

*Aluluba*  
ANALYSTE / ASSAYER



#161-80

OGDEN TWP.  
(M. 305)

T.R.S.  
1023

T.R.P.  
3855

C.T. 5

P. 7987

P. 6723

P. 6792

P. 6784

H.R. 949

H.R. 948

P. 6499

P. 8061

P. 8060

P. 8852

P. 8595

P. 7369

P. 7368

18475

7694

7695

18161

7696

17802

17800

17801

P. 7577

17799

8606

P. 8605

P. 7578

P. 1643

P. 16881

H.S. 966

P. 16432

7666

7667

P. 6040

P. 6792

M.E. 44

H.R. 925

H.R. 949

H.S. 958

P. 17768

M.E.

H.S. 957

525988

H.R. 1000

45

H.S. 955

P.P.

M.E. 46

H.R. 948

P. 6499

H.S. 954

25

P. 6498

P. 8061

P. 8060

P.P. 26

8459

P. 16063

P. 16062

P. 8061

P. 8595

P. 8381

M.E. 47

P.P. 21

P. 11483

P. 9044

P. 8852

P. 8595

P. 16751

2 18122

P.P. 22

P. 8948

P. 8949

11344

P. 7369

P. 7368

8384 P. 16753



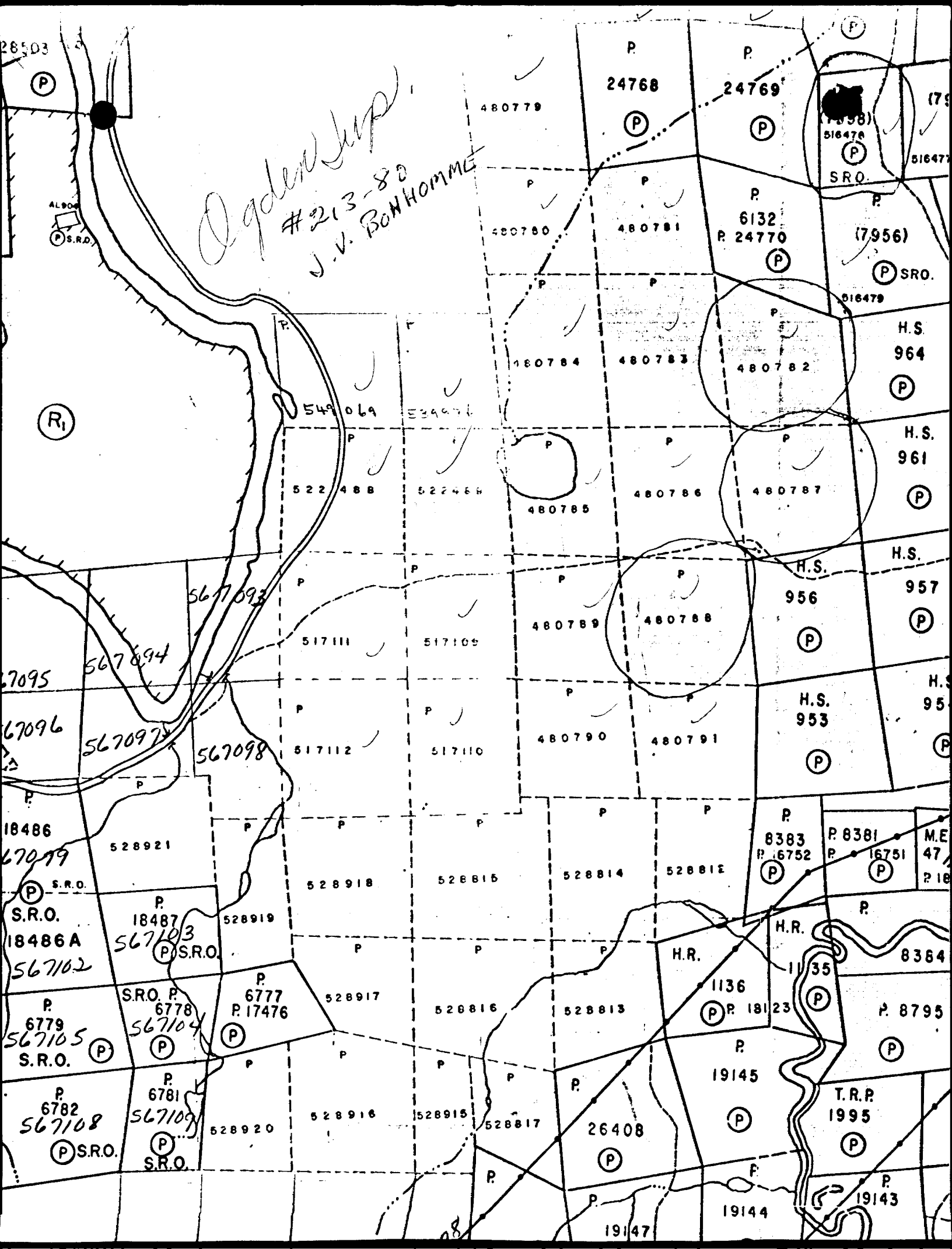
28503

(P)

*Ogden Imp.*  
#213-80  
J.V. BONHOMME

ALBON  
S.R.O.

(R<sub>1</sub>)



24768

24769

480779

(7958)  
516478

S.R.O.

516478

480780

480781

6132  
P. 24770

(7956)

(P) S.R.O.

516479

H.S.  
964

549069

534974

480784

480783

480782

H.S.  
961

522488

522489

480785

480786

480787

H.S.  
957

567093

517111

517109

480789

480788

H.S.  
956

H.S.  
957

67095

567894

67096

567097

517112

517110

480790

480791

H.S.  
953

H.S.  
953

18486

528921

528918

528815

528814

528812

8383  
P. 6752

P. 8381  
P. 16751

M.E.  
47  
P. 18

67099

S.R.O.

S.R.O.

18486A

567102

P. 6779

567105

S.R.O.

P. 18487

567103  
S.R.O.

S.R.O. P. 6778

567104

P. 6777  
P. 17476

528917

528816

528813

H.R.

1136  
P. 18123

H.R.

1135

8364

P. 8795

P. 6782

567108

S.R.O.

P. 6781

567109

S.R.O.

528920

528916

528915

528817

26408

P. 19145

T.R.P.  
1995

(P) S.R.O.

(P) S.R.O.

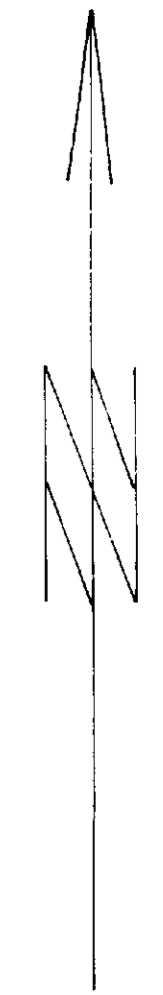
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(P)

P. 19143

19147

19144

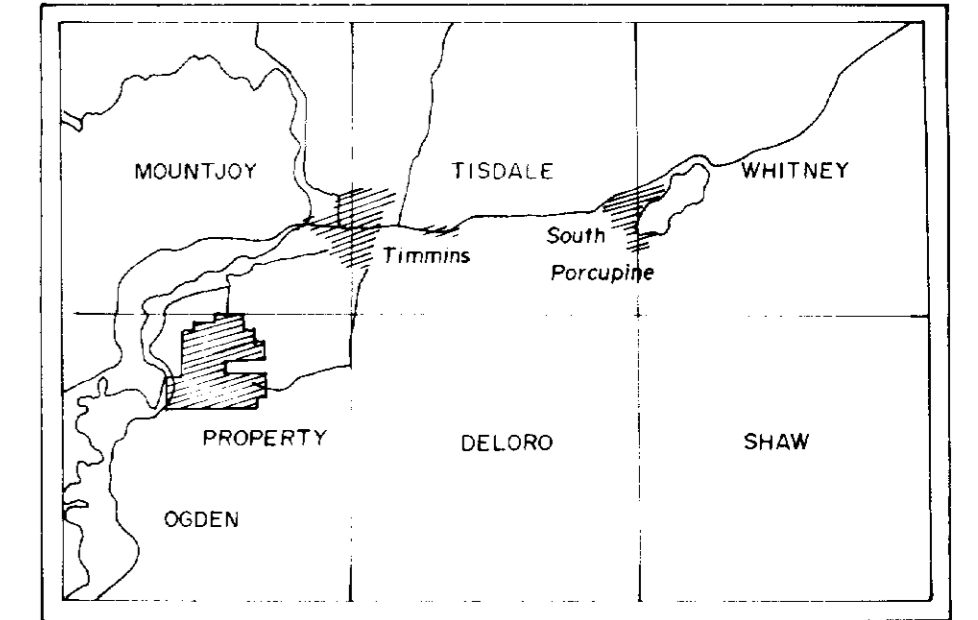


LEGEND

- D Diabase
- Bs Serpentine & talc chlorite schist
- Sg Greywacke
- Vcc Carbonate chlorite schist
- Vag Agglomerate
- Va Andesite

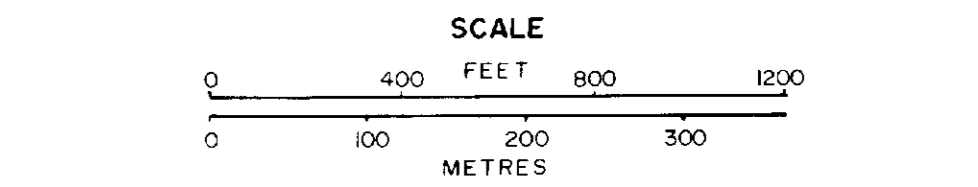
SYMBOLS

- Rock exposure
- Strike and dip
- Geological contact
- Fault
- Drill hole
- Shaft
- Overburden - 50 ft
- Conductive zone
- 7.5' Au over 5.9 ft
- V Vein



KEY MAP 1 inch = 4 miles

OGDEN DRILL REPORT #18  
**J. V. BONHOMME PROPERTY**  
 OGDEN TOWNSHIP, ONTARIO



SEPTEMBER 1979

