

REPORT ON THE  
PERCUSSION DRILLING PROGRAM  
ON THE  
"D" and "E" Claims

OMINECA MINING DIVISION

Capoose Lake Area

125°10'  
53° 17'

N.T.S. 93F 6E

OWNER-OPERATOR

GRANGES EXPLORATION AKTIEBOLAG  
1060-1055 West Hastings Street  
Vancouver, British Columbia  
V6E 2E9

Dated at Vancouver, B.C.  
June 28, 1978

BY: H.H. Shear  
(P. Eng.)

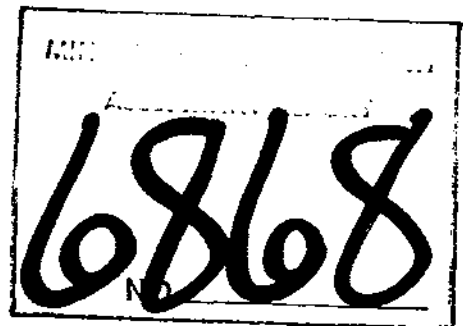
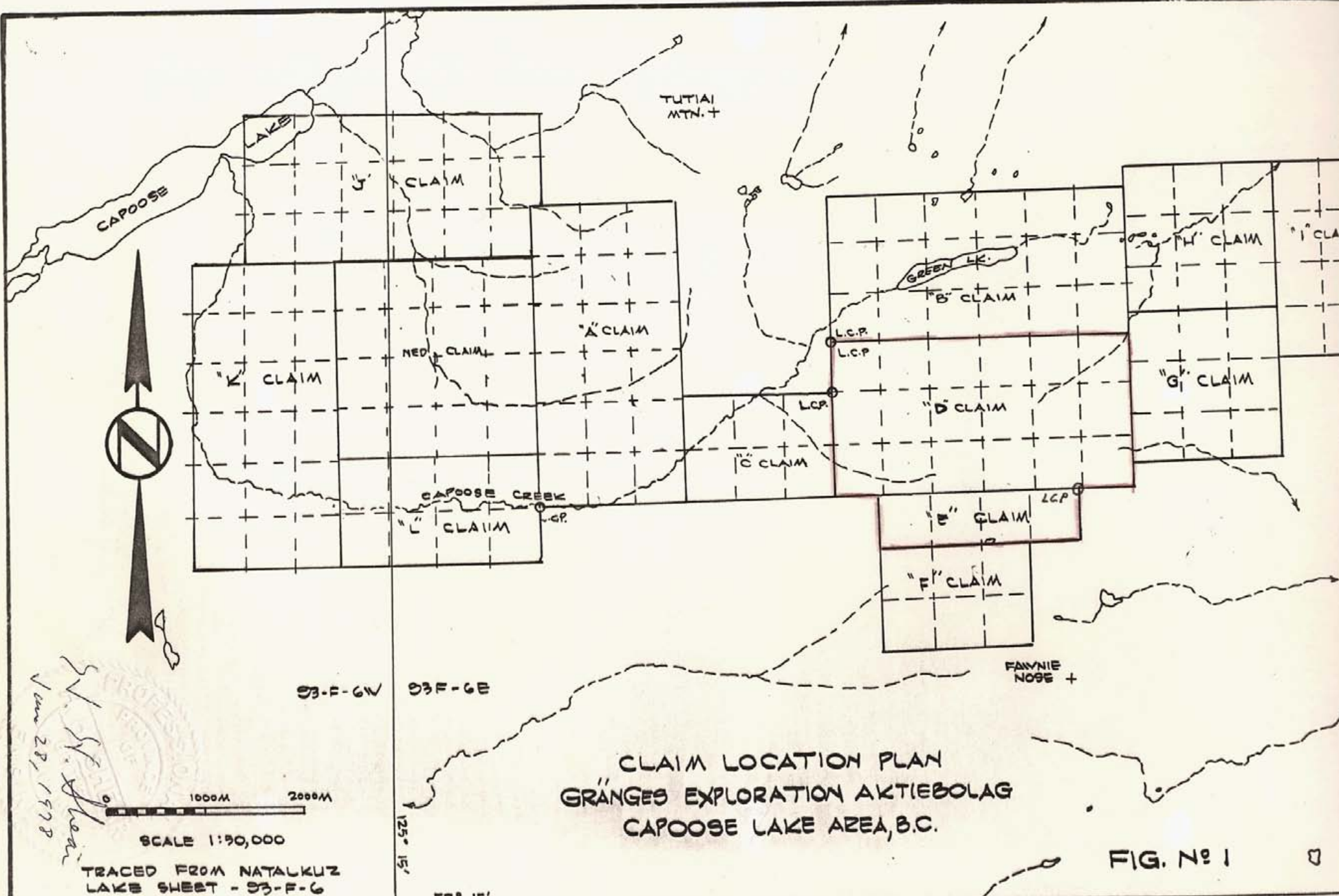


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ENCLOSURES

Geological Survey and Percussion  
Drilling on the D, E, and F Claims.  
(Figure 2) Scale 1:2500



CLAIM LOCATION PLAN  
 GRANGES EXPLORATION AKTIEBOLAG  
 CAPOOSE LAKE AREA, B.C.

FIG. No 1

*W. S. ...*  
 Nov 28, 1978

1000M 2000M

SCALE 1:50,000

TRACED FROM NATALKUZ  
 LAKE SHEET - 93-F-6

93-F-6W 93-F-6E

25° 15'

53° 15'

## INTRODUCTION

The "D" and "E" claims are located 467 kilometers north northwest of Vancouver, B.C. and 115 kilometers southwest of Vanderhoof, B.C. They lie astride the Fawnie Range, centered approximately 2 kilometers north northwest of Fawnie Nose Mountain. A major portion of the claim lies above timberline. Slopes are relatively steep along the east and west sides of the Range and the claims, and is relatively flat on top surrounding the height of land. Elevations range from 1525 meters along the western edges of the claims to 1900 meters at the highest point along the top of the Fawnie Range.

Access to the "D" and "E" claims, during the drilling period of April 8th to the 14th, 1978, was provided by a winter tractor road, the Capoose Lake Road, completed in March, 1978. This road is currently being up-graded to accommodate 4 wheel drive vehicles. Access is from Vanderhoof via the Plateau Mills' Kluskus-Ootsa Logging Road. Granges' Capoose Lake Road leaves the Kluskus-Ootsa Road at kilometer 142.3, trends westerly several kilometers through a pass in the Fawnie Range and then proceeds northerly to the claim block. A spur road off the Capoose Road trends easterly to the "D" and "E" claims. Their distance from the Kluskus-Ootsa Road via the Capoose Road is 20 kilometers.

During the drilling period, June 2nd to June 7th, 1978, access was by helicopter to the drill site due to spring break-up.

The "D" claim, staked in September, 1975, consists of 18 units staked 6 units east and 3 units south from the legal corner post. The "E" claim, staked in September, 1976, consists of 4 units staked 4 units west and 1 unit south from the legal corner post. Both were staked for Granges Exploration AB who is the owner-operator.

During the 1976 season, a geochemical soil survey for copper, molybdenum and silver was completed over the "D" claim with sample collection on a 100 x 100 meter grid. Anomalous results were obtained along the southern border which warranted staking the "E" claim at the end of the 1976 season.

During the 1977 season, detailed geochemical soil surveys and prospecting were completed on the "D" and "E" claims. Anomalous values were obtained in lead, zinc, gold and silver and several showings of low grade lead, zinc, gold and silver mineralization were found. Some hand trenching was completed.

During March 8th to March 14th, 1978 and June 2nd to June 7th, 1978, twenty percussion holes were drilled totalling 551.03 meters. The hole diameter was 2 inch.

#### DESCRIPTION OF RESULTS

The purpose of the percussion drilling program was to test soil anomalies and related low grade showings containing minor values in lead, zinc, gold and silver. Appendix "A" contains the logs and drill records (assays) of the individual holes. The location of the holes relative to the grid and claim boundaries may be seen on Figure 2, enclosed in the back of this report. Two holes, 39a and 39b, were lost at 20 feet with no sample being recovered. Consequently no logs were made on these two holes. Therefor Appendix "A" contains logs and records for 18 holes, P.26-P.43.

The geologic setting within the claim block along the Fawnie Range consists of a volcanic pile of andesitic and rhyolitic rocks. Within the area of interest, the rock type is nearly 100% rhyolitic agglomerate and this was the rock type encountered in all of the percussion drill holes.

Sixteen of the drill holes returned submarginal values in lead, zinc, gold and silver. Two of the drill holes encountered marginal mineralization. Hole P-31 intersected 40 feet of .85 grams/tonne of gold, 34.12 grams/tonne of silver, 0.12% zinc and 0.41% lead. Hole P. 37 intersected 90 feet of .55 grams/tonne of gold, 29.0 grams/tonne of silver and 1.22% zinc. Several 10 foot ore grade sections of mineralization were intersected in other holes. Assay results show that in the area of holes P.26 to P.33 (lead is the dominant base metal present) while zinc is dominant in the area of holes P.34 to P.43.

The mineralization noted above is considered sufficiently encouraging to warrant further drilling.

STATEMENT OF COSTS

April 8 - 14 Program

Labour:

H.H. Shear - 7 days x 84.34/day.....	\$ 590.38	
D.F. Pasco - 7 days x 78.73/day.....	551.11	
T. Kleman - 7 days x 65.75/day.....	<u>460.25</u>	
	\$ 1,601.74	\$ 1,601.74

Percussion Drilling Contract (L. Spence Enterprises and Percussion Drilling Ltd.)

885 feet x \$3.50/foot.....	\$ 2,920.50	
J.D. 450 Bulldozer Rental		
1500.00/month x $\frac{7}{31}$ .....	<u>338.71</u>	
	\$ 3,259.21	\$ 3,259.21

Groceries (32 day period - 1102.68)

1102.68 x $\frac{7}{32}$ .....	\$ 241.21	\$ 241.21
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Accommodation:

Atco Trailer rental:

706.20/month x $\frac{7}{31}$ .....	\$ 159.46	
3 kw Generator rental \$180.00/month x $\frac{7}{31}$ .....	\$ 40.65	
Propane \$68.00 x $\frac{7}{32}$ .....	<u>14.88</u>	
	\$ 214.99	\$ 214.99

Transportation:

Chev 4x4 lease to purchase		
238.61/month x $\frac{7}{31}$ .....	\$ 53.88	
Gasoline \$148.60 x $\frac{7}{32}$ .....	<u>32.48</u>	
	\$ 86.36	\$ 86.36

Assays (Acme Analytical Laboratories Ltd.)

Pb, Zn, Au, Ag 81 samples x \$13.75/sample.....	\$ 1,113.75	\$ 1,113.75
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Sample Preparation and Handling:

Sample Preparation Shack (used for 6305 feet of drilling)		
290.45 x $\frac{885}{6305}$ .....	\$ 40.77	
Large pans (splitting large dry samples).....	72.00	

June 2nd to June 7th Program (6 days)

Labour - H.H. Shear 6 days x \$72.69/day.....\$ 436.14

Percussion Drilling Contract (L. Spence Enterprises and Percussion Drilling Ltd.)

923 feet x \$3.30/foot.....\$ 3,045.90

J.D. 450 Bulldozer Rental \$1,500.00/month x  $\frac{7}{30}$  350.00

Labour supplied by contractor on move in and out (G. Ramond 6 hours x \$9.50/hour..... 57.00

\$ 3,452.90 \$ 3,452.90

Transportation (Transwest Helicopters Ltd.)

June 2 4.9 hours x \$255.00/hour.....\$ 1,249.50  
fuel..... 107.49

June 7 2.3 hours x \$255.00/hour..... 586.50  
fuel..... 79.50

\$ 2,022.99 \$ 2,022.99

Assays (Acme Analytical Laboratories Ltd.)

Lead, zinc, gold and silver 27 samples x \$13.75/sample.....\$ 371.25

copper, lead, zinc gold and silver 52 samples x \$16.75/sample..... 871.00

\$ 1,242.25 \$ 1,242.25

TOTAL..... \$13,820.89

*J.V. Shear*  
*June 28, 1978*



STATEMENT OF QUALIFICATIONS

Name: Henry Herbert Shear

Profession: Exploration Geologist

Education: B. Sc. -- Geological Engineering (1959);  
B. Sc. -- Mining Engineering (1960), both  
from University of Arizona

Professional Associations: Member of the Association of Professional Engineers of British Columbia

Member of The Canadian Institute of Mining and Metallurgy

Experience: 4 years -- Field Geologist with various companies in British Columbia

1 year -- Exploration Manager for General Resources Ltd. in Australia

7 years -- Consulting Geologist and Project Manager including 4 years with Quintana Mineral Corp.

1 year -- Project Geologist with Giant Mascot Mines, Ltd.

May, 1976, to present -- Project Geologist with Granges Exploration AB

*H. H. Shear*  
June 28, 1978

APPENDIX "A"



**GRANGES EXPLORATION AB**  
 CANADIAN DIVISION  
**DIAMOND DRILL LOG**  
 Percussion

Property Capoose Project No. 70113 Depth 85' Date Began Apr. 9, 1978  
 Hole No. P 78-26 Co ord. 4+085 Horizontal Length 60.1' Date Completed Apr. 9, 1978  
 Sheet No. 1 11+54 W Direction S 40 E Drilled By. Spence Drilling  
 Claim No. "E" Elevation 1855 m Angle -45° Logged By. H. Shear

FOOTAGE	DESCRIPTION	ALTERATION								% REC'Y CALC'D.	
		FROM	TO								
0-10	Casing; Bedrock at $\approx$ 1-2'										
10-80	Rhyalitic Agglomerate										
	Minor: py., garn., Trace: gal.	70	80	rusty							
80-85	Rhy. A. (Sample greyish brown)										
	Abundant; S. hem; No. sul. visible, gouge										
	Hole abandoned due to soft damp ground, Bit plugging										

*H. Shear*









GRANGES EXPLORATION AB  
CANADIAN DIVISION  
DIAMOND DRILL LOG  
Percussion

Property ... C. & P. 058 ... Project No. ... 70113 ... Depth ... 100' ... Date Began ... Apr. 10, 1978  
 Hole No. ... P78-28 ... Co. ord. ... 34805 ... Horizontal Length ... 64.3' ... Date Completed ... Apr. 10, 1978  
 Sheet No. ... 1 ... 11 + 77 W ... Direction ... N 40 W ... Drilled By. ... Spence Drilling  
 Claim No. ... "E" ... Elevation ... 1853m ... Angle ... -50° ... Logged By. ... H. Shear

FOOTAGE	DESCRIPTION	ALTERATION										% RECY CALC'D.		
		FROM	TO											
0-10	Casing; Bedrock at $\bar{z}$ 1-2'													
10-40	Rhyalitic Agg. (samples rusty) Moderate: garn., lim. Minor: py													
40-60	Rhy. A. (samples slightly grey) Mod.: garn.; Minor: py, sph.													
60-100	Rhy. A. (samples rusty) Mod.: garn., lim. Min.: py	80	90	sample: chas.	brown									

J.V. Shear











**GRANGES EXPLORATION AB**  
CANADIAN DIVISION  
**DIAMOND DRILL LOG**  
Percussion

Property *Capoose* Project No. *70113* Depth *170'* Date Began *Apr. 11, 1978*  
Hole No. *P78-30* Co ord. *3+06.5* Horizontal Length *120.2'* Date Completed *Apr. 11, 1978*  
Sheet No. *1* *10+68W* Direction *S40E* Drilled By *Spence Drilling*  
Claim No. *"E"* Elevation *1858m* Angle *-45°* Logged By *H. Shagr*

FOOTAGE	DESCRIPTION	ALTERATION										% RECY CALC'D.			
		FROM	TO												
0-10	Casing; Bedrock at $\approx$ 1-2'														
10-30	Rhyalitic Agg. (samples rusty) Moderate: garn., lim. Minor: py														
30-60	Rhy. A. (samples moderately grey) Mod.: garn., py Trace: gal., sph														
60-90	Rhy. A. (samples rusty colored) Minor: garn., py Trace: sph.														
90-120	Rhy. A. (samples dark grey) Abundant: sulphides; particles pulverized to very fine grained sph., gal. + py identified. mod.: garn	90	170												
120-170	As above but samples lighter shade of grey														

*St. St. Shagr*



**GRANGES EXPLORATION AB**  
CANADIAN DIVISION  
**DIAMOND DRILL RECORD**  
Percussion

Property *Cape Rose* Project No. *70113* Depth *170'* Date Began *Apr. 11, 1977*  
 Hole No. *P78-30* Co. ord. *3+065* Horizontal Length *120.2'* Date Completed *Apr. 11, 1977*  
 Sheet No. *1* *10+68 W* Direction *S 40 E* Drilled By *Spence Drilling*  
 Claim No. *"E"* Elevation *1858 m* Angle *-45°* Logged By *H. Shear*

FOOTAGE	NUMBER	WIDTH	Au. g/mt	Ag. g/mt	Cu.	Zn.	Pb.	WIDTH X ASSAY				AVERAGES						REMARKS					
								Zn.	Pb.			WIDTH	Au.	Ag.	Cu.	Zn.	Pb.						
<i>0-10</i>	<i>Casing</i>	<i>10'</i>																					
<i>10-20</i>	<i>4530</i>	<i>10'</i>	<i>.25</i>	<i>14.0</i>		<i>.03</i>	<i>.18</i>																
<i>20-30</i>	<i>4531</i>	<i>10'</i>	<i>.05</i>	<i>6.5</i>		<i>.07</i>	<i>.04</i>																
<i>30-40</i>	<i>4532</i>	<i>10'</i>	<i>.20</i>	<i>7.5</i>		<i>.15</i>	<i>.17</i>																
<i>40-50</i>	<i>4533</i>	<i>10'</i>	<i>.15</i>	<i>6.0</i>		<i>.21</i>	<i>.08</i>																
<i>50-60</i>	<i>4534</i>	<i>10'</i>	<i>.10</i>	<i>4.0</i>		<i>.06</i>	<i>.06</i>																
<i>60-70</i>	<i>4535</i>	<i>10'</i>	<i>.05</i>	<i>4.0</i>		<i>.02</i>	<i>.12</i>																
<i>70-80</i>	<i>4536</i>	<i>10'</i>	<i>.35</i>	<i>21.5</i>		<i>.03</i>	<i>.16</i>																
<i>80-90</i>	<i>4537</i>	<i>10'</i>	<i>.60</i>	<i>23.5</i>		<i>.09</i>	<i>.26</i>																
<i>90-100</i>	<i>4538</i>	<i>10'</i>	<i>.20</i>	<i>18.5</i>		<i>.06</i>	<i>.24</i>																
<i>100-110</i>	<i>4539</i>	<i>10'</i>	<i>.20</i>	<i>24.5</i>		<i>.10</i>	<i>.27</i>																
<i>110-120</i>	<i>4540</i>	<i>10'</i>	<i>.20</i>	<i>21.5</i>		<i>.25</i>	<i>.30</i>																
<i>120-130</i>	<i>4541</i>	<i>10'</i>	<i>.20</i>	<i>19.5</i>		<i>.25</i>	<i>.26</i>																
<i>130-140</i>	<i>4542</i>	<i>10'</i>	<i>.20</i>	<i>18.5</i>		<i>.28</i>	<i>.18</i>																
<i>140-150</i>	<i>4543</i>	<i>10'</i>	<i>.10</i>	<i>7.5</i>		<i>.08</i>	<i>.06</i>																
<i>150-160</i>	<i>4544</i>	<i>10'</i>	<i>.05</i>	<i>4.5</i>		<i>.08</i>	<i>.03</i>																
<i>160-170</i>	<i>4545</i>	<i>10'</i>	<i>.15</i>	<i>6.0</i>		<i>.12</i>	<i>.01</i>							<i>160'</i>	<i>.18g</i>	<i>12.9g</i>		<i>.117</i>	<i>.15</i>				
															<i>.006oz</i>	<i>0.416oz</i>							



**GRANGES EXPLORATION AB**  
CANADIAN DIVISION  
**DIAMOND DRILL LOG**  
Percussion

Property *C. & P. O. E. S. C.* Project No. *70113* Depth *120'* Date Began *Apr. 12, 1978*  
Hole No. *P 78 - 31* Co ord. *3 + 0 6 5* Horizontal Length *84.8* Date Completed *Apr. 12, 1978*  
Sheet No. *1* Direction *N 40 W* Drilled By *Spence Drilling*  
Claim No. *"E"* Elevation *1858m* Angle *-45°* Logged By *H. Shear*

FOOTAGE	DESCRIPTION	ALTERATION										% REC'Y CALC'D.	
		FROM	TO										
<i>0-10</i>	<i>Casing; Bedrock at 1-2'</i>												
<i>10-30</i>	<i>Rhyolitic Agg. (Samples rusty colored)</i> <i>Moderate: py, garn, lim</i> <i>Minor: sph, gal</i>												
<i>30-50</i>	<i>Rhy. A. (Samples turning to grey)</i> <i>Moderate: f. q. sub, garn - sph &amp; gal identified</i>												
<i>50-90</i>	<i>Rhy. A. (Samples moderately grey)</i> <i>as above</i>												
<i>90-120</i>	<i>Rhy. A. (Samples very rusty colored)</i> <i>Abundant: lim.</i> <i>Minor: py, aspx</i> <i>Trace: sph</i>												

*H. Shear*



**GRANGES EXPLORATION AB**  
CANADIAN DIVISION  
**DIAMOND DRILL RECORD**  
Percussion

Property *Coppose* Project No. *70113* Depth *120'* Date Began *Apr. 12, 1978*  
Hole No. *P78-31* Co. ord. *3+065* Horizontal Length *84.8'* Date Completed *Apr. 12, 1978*  
Sheet No. *1* *10+68W* Direction *N40W* Drilled By. *Spence Drilling*  
Claim No. *"E"* Elevation *1858 m* Angle *-45°* Logged By. *H. Shear*

FOOTAGE	NUMBER	WIDTH	Au. g/mt	Ag. g/mt	Cu.	Zn.	Pb	WIDTH X ASSAY				AVERAGES						REMARKS			
								Au	Ag	Cu	Pb	WIDTH	Au.	Ag.	Cu.	Zn.	Pb				
0-10	<i>casing</i>	<i>10'</i>																			
10-20	<i>4546</i>	<i>10'</i>	<i>.20</i>	<i>15.5</i>			<i>.02</i>	<i>.23</i>													
20-30	<i>4547</i>	<i>10'</i>	<i>1.05</i>	<i>45.5</i>			<i>.12</i>	<i>.47</i>													
30-40	<i>4548</i>	<i>10'</i>	<i>.45</i>	<i>30.5</i>			<i>.13</i>	<i>.46</i>													
40-50	<i>4549</i>	<i>10'</i>	<i>1.30</i>	<i>36.5</i>			<i>.13</i>	<i>.36</i>	<i>3.4</i>	<i>136.5</i>				<i>40'</i>	<i>.85g</i>	<i>34.125g</i>		<i>.12</i>	<i>.41</i>		
50-60	<i>4550</i>	<i>10'</i>	<i>.60</i>	<i>24.0</i>	<i>.05</i>	<i>.10</i>	<i>.35</i>								<i>0.027g</i>	<i>1.10g</i>					
60-70	<i>4551</i>	<i>10'</i>	<i>.15</i>	<i>19.5</i>			<i>.02</i>	<i>.24</i>													
70-80	<i>4552</i>	<i>10'</i>	<i>.20</i>	<i>16.0</i>			<i>.39</i>	<i>.21</i>													
80-90	<i>4553</i>	<i>10'</i>	<i>.10</i>	<i>15.5</i>			<i>.23</i>	<i>.23</i>													
90-100	<i>4554</i>	<i>10'</i>	<i>.10</i>	<i>10.5</i>			<i>.03</i>	<i>.19</i>													
100-110	<i>4555</i>	<i>10'</i>	<i>.15</i>	<i>18.5</i>			<i>.02</i>	<i>.11</i>													
110-120	<i>4556</i>	<i>10'</i>	<i>.45</i>	<i>15.5</i>			<i>.01</i>	<i>.08</i>	<i>4.75</i>	<i>247.5</i>				<i>110'</i>	<i>.432g</i>	<i>22.5g</i>		<i>.12</i>	<i>.266</i>		
															<i>.014g</i>	<i>.726g</i>					



**GRANGES EXPLORATION AB**  
 CANADIAN DIVISION  
**DIAMOND DRILL LOG**  
 Percussion

Property *Cape Rose* Project No. *70113* Depth *100'* Date Began *Apr. 12, 1978*  
 Hole No. *P78-32* Co ord. *24865* Horizontal Length *70.7'* Date Completed *Apr. 12, 1978*  
 Sheet No. *1* *10+85W* Direction *N40W* Drilled By *Spence Drilling*  
 Claim No. *"E"* Elevation *1256 m* Angle *-45°* Logged By *H. Shear*

FOOTAGE	DESCRIPTION	ALTERATION										% REC'Y CALC'D.	
		FROM	TO										
0-10	Casing												
10-100	Rhyolitic agglomerate												
	Moderate limonite (60-70 ab. lim)												
	Trace: Py												
	Minor: Garn												
	Hole does not appear to have penetrated zone of oxidation												

*S.V. Shear*







**GRANGES EXPLORATION AB**  
CANADIAN DIVISION  
**DIAMOND DRILL LOG**  
Percussion

Property *Cape Rose* Project No. *70113* Depth *150'* Date Began *Apr. 12, 1978*  
Hole No. *P78-33* Co. ord. *2+66 S* Horizontal Length *75'* Date Completed *Apr. 12, 1978*  
Sheet No. *1* *11+01 W* Direction *N40W* Drilled By *Spence Drilling*  
Claim No. *"E"* Elevation *1853m* Angle *-60°* Logged By *H. Shear*

FOOTAGE	DESCRIPTION	ALTERATION									
		FROM	TO								
0-10	Casing										
10-20	Rhyalitic agglomerate (light brown) minor garn.										
20-80	Rhy. A. (dark brown) abundant blackish min (Mn?) giving samples dark brown cast Moderate lim. , no py										
80-120	Rhy. A. (light brown) minor bk min. (Mn?) moderate lim.										
120-140	Rhy. A. moderate lim. Trace py										
140-150	Rhy. A (moderately brown) mod. lim. Trace bk min.										
	Hole does not appear to have penetrated oxidation zone.										

*SV. SV*  
REC'D  
CALC'D









GRANGES EXPLORATION AB

CANADIAN DIVISION

**DIAMOND DRILL LOG**

percussion

Property Capoose Proj. Project No. 70113 Depth 100' 30.48m Date Began June 3, 1978  
 Hole No. P78-35 Co ord. 7+50 W Horizontal Length 70.9/21.55m Date Completed June 3, 1978  
 Sheet No. 1 0+82 N Direction South Drilled By. Spence Drilling  
 Claim No. "D" claim Elevation 1874m Angle -45° Logged By. H. Shear

FOOTAGE	DESCRIPTION	ALTERATION								% REC'Y CALC'D.
		FROM	TO							
0-10	Casing									
10-100	chy. agglom. ab py visible (black return)									

Handwritten initials: N. N. Shear













**GRANGES EXPLORATION AB**  
CANADIAN DIVISION  
**DIAMOND DRILL RECORD**  
Percussion

Property *Capoose Proj.* Project No. *7013* Depth *100', 30.48m* Date Began *June 4, 1978*  
Hole No. *P77-37* Co ord. *7750W* Horizontal Length *70.7, 21.5m* Date Completed *June 4, 1978*  
Sheet No. *1* Direction *South* Drilled By. *Spence Drilling*  
Claim No. *"D" claim* Elevation *1865m* Angle *-45°* Logged By. *H. Shear*

FOOTAGE	NUMBER	WIDTH	Au. g/t	Ag. g/t	Cu.	Zn.	Pb	WIDTH X ASSAY				AVERAGES					REMARKS	
												WIDTH	Au.	Ag.	Cu.	Zn.		
0-10	<i>Casing</i>	<i>10'</i>																
10-20	<i>4607</i>	<i>10'</i>	<i>.25</i>	<i>12.5</i>	<i>.04</i>	<i>1.34</i>	<i>.01</i>											
20-30	<i>4608</i>	<i>10'</i>	<i>.20</i>	<i>15.0</i>	<i>.03</i>	<i>.79</i>	<i>.05</i>											
30-40	<i>4609</i>	<i>10'</i>	<i>.45</i>	<i>31.5</i>	<i>.03</i>	<i>.90</i>	<i>.10</i>											
40-50	<i>4610</i>	<i>10'</i>	<i>.60</i>	<i>20.0</i>	<i>.04</i>	<i>1.20</i>	<i>.03</i>											
50-60	<i>4611</i>	<i>10'</i>	<i>.15</i>	<i>11.0</i>	<i>.02</i>	<i>1.30</i>	<i>.01</i>											
60-70	<i>4612</i>	<i>10'</i>	<i>.65</i>	<i>26.8</i>	<i>.02</i>	<i>.89</i>	<i>.02</i>											
70-80	<i>4613</i>	<i>10'</i>	<i>1.10</i>	<i>49.5</i>	<i>.04</i>	<i>2.25</i>	<i>.12</i>											
80-90	<i>4614</i>	<i>10'</i>	<i>.90</i>	<i>52.5</i>	<i>.07</i>	<i>1.54</i>	<i>.17</i>											
90-100	<i>4615</i>	<i>10'</i>	<i>.65</i>	<i>37.5</i>	<i>.06</i>	<i>.74</i>	<i>.02</i>	<i>30'</i>	<i>.88</i>	<i>48.2</i>	<i>1.51</i>							
												<i>90'</i>	<i>.55</i>	<i>20.0</i>			<i>1.23</i>	
													<i>.0177%</i>	<i>.935%</i>				



**GRANGES EXPLORATION AB**  
 CANADIAN DIVISION  
**DIAMOND DRILL LOG**  
*PERCUSSION*

Property *Cape Rose Proj* Project No. *70113* Depth *100', 30.48m* Date Began *June 4, 1978*  
 Hole No. *P78-38* Co ord. *7+50W* Horizontal Length *70.7', 21.55m* Date Completed *June 4, 1978*  
 Sheet No. *1* Direction *South* Drilled By. *Spence Drilling*  
 Claim No. *"D" claim* Elevation *1862m* Angle *-45°* Logged By. *H. Shear*

FOOTAGE	DESCRIPTION	ALTERATION										% RECY CALC'D.	
		FROM	TO										
<i>0-15</i>	<i>Casing</i>												
<i>10-100</i>	<i>rhyolitic agglom., ab. py bk return due to py 40-60: highly silicious, samples light grey 60-70: visible sph 80-100: drilled with water, no rejects left on prop.</i>												

*H. Shear*  
*SV. SV. Shear*





**GRANGES EXPLORATION AB**  
CANADIAN DIVISION  
**DIAMOND DRILL LOG**  
percussion

Property *Capeose Proj.* Project No. *70113* Depth *68', 20.73m* Date Began *June 4, 1978*  
 Hole No. *P78-39* Co ord. *7+50W* Horizontal Length *34', 10.36m* Date Completed *June 4, 1978*  
 Sheet No. *1* *1+90N* Direction *South* Drilled By *Spence Drilling*  
 Claim No. *"D" claim* Elevation *1861m* Angle *-60°* Logged By *H. Shear*

FOOTAGE	DESCRIPTION	ALTERATION							% REC'D CALC'D
		FROM	TO						
0-10	Casing								
10-68	chy. agglom. , minor py visible hole lost due to casing								

*H. Shear*  
% REC'D  
CALC'D





**GRANGES EXPLORATION AB**  
CANADIAN DIVISION  
**DIAMOND DRILL LOG**  
*percussion*

Property *Capoose Proj.* Project No. *70113* Depth *100', 30.49m* Date Began *June 4, 1979*  
 Hole No. *P78-40* Co ord. *7+50W* Horizontal Length *70.7', 21.53m* Date Completed *June 4, 1979*  
 Sheet No. *1* *2 + 15N* Direction *South* Drilled By *Spence Drilling*  
 Claim No. *"D" claim* Elevation *1863 m* Angle *-45°* Logged By *H. Shear*

FOOTAGE	DESCRIPTION	ALTERATION										% RECY CALC'D.	
		FROM	TO										
<i>0-15</i>	<i>casing</i>												
<i>10-100</i>	<i>light grey rhylitic agglom.</i>												
	<i>ab. garn, minor py</i>												
	<i>aspy observed</i>												
<i>80-90</i>	<i>visible gal. + sph</i>												

*St. St. Shear*











**GRANGES EXPLORATION AB**  
CANADIAN DIVISION  
**DIAMOND DRILL LOG**  
*Percussion*

Property *Copposc Proj.* Project No. *70113* Depth *65', 19.81m* Date Began *June 5, 1978*  
 Hole No. *P78-42* Co ord. *2+084* Horizontal Length *12.7m* Date Completed *June 5, 1978*  
 Sheet No. *1* Direction *S 33W* Drilled By. *Spence Drilling*  
 Claim No. *"D" claim* Elevation *1850m* Angle *-50°* Logged By. *H. Shear*

FOOTAGE	DESCRIPTION	ALTERATION										% REC'Y CALC'D.	
		FROM	TO										
0-10	<i>casing</i>												
10-65	<i>rhy. agglom.</i>												
	<i>hole lost due to water encountered and caving.</i>												
	<i>visible Zn: 60-65, ab py</i>												

*St. St. Shear*



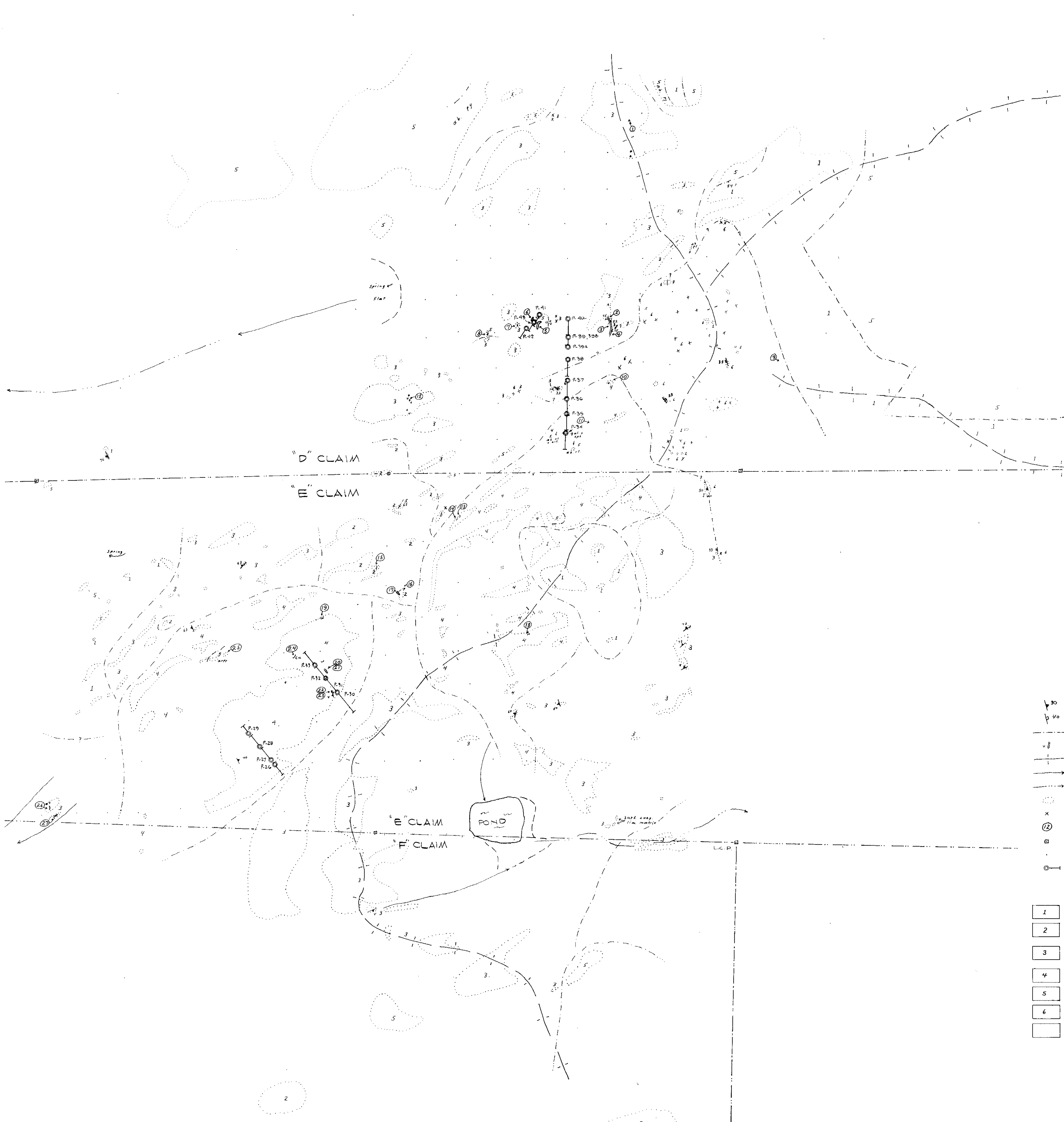




15W 14W 13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 3W



6N  
5N  
4N  
3N  
2N  
1N  
BL  
1S  
2S  
3S  
4S  
5S  
6S  
7S  
8S  
9S



**Legend**

- Lincation
- Bedding
- Contact
- Pits and Trenches
- Height of Land
- Gully
- Stream
- Outcrop
- Angular Float
- Sample Location
- Claim Post
- Survey Point: Plane Table
- Percussion Drill Hole

**Geology**

- Rhyolitic Tuff and Agglomerate: relatively unaltered
- Rhyolitic Agglomerate: fine grained silicious ground mass - resembles chert
- Rhyolitic Tuff and Agglom.: moderate alteration and limonite
- Rhyolitic Tuff and Agglom.: intense alteration and limonite
- Andesite: tuff, flows, porphyry
- Mainly Black Argillite (very rusty) with interbedded rhyolitic tuff-agglom. and calcareous siltstone
- Galena and/or Sphalerite or Silver

MINERAL RESOURCES BRANCH  
ALBERTA PROVINCE  
**6868**  
NO.

*S.V. Shea*  
June 23, 1978

<p>50M 25M 0 50M 100M 150M</p> <p>LOCATED CLAIM POST</p> <p>CLAIM BOUNDARY</p> <p>EEP. TO TOPO. MAP</p>	<p>DRAWN BY: H.H.S</p> <p>DATE: OCT., 1977</p> <p>JUNE 1978</p>	<p><b>GRANGES EXPLORATION AB</b></p> <p>CANADIAN DIVISION</p> <p>VANCOUVER OFFICE</p>	<p>FIG 2</p> <p>GEOLOGICAL SURVEY &amp; PERCUSSION DRILLING ON CLAIMS "D", "E" &amp; "F" CAPOOSE PROJECT, B.C.</p>	<p>SCALE: 1:2500</p> <p>PROJECT No.: 70113</p> <p>N.T.S. No.: 93F/6E</p>
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