



PLACER DEVELOPMENT LIMITED

Sam Goosly Drilling Report on the  
T-93, T-102, SG-17 & SG-35 Mineral Claims

54°11'N., 126°15'E.

N.T.S. 93-L-1

Omineca Mining Division

Owned by:

Equity Silver Mines Ltd.

Operated by:

Placer Development Limited

7166

BY: E.S. Holt, P. Eng. (B.C.)

February, 1979

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1:250,000 Location Map	7
General Operating Map	8
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### Bound in Report

Drill Hole Geological Logs for DDH-224 to 229 inclusive

Drill Hole Assay Logs for DDH-224 to 229 inclusive

### In Pocket

General Operating Plan (scale 1"=400') showing the drill hole locations (colored red) in relationship to the claim boundaries.

## INTRODUCTION

The Sam Goosly property is located within the Omineca Mining Division in the central interior of British Columbia, approximately 20 miles southeast of the town of Houston. The geodetic coordinates are  $54^{\circ}11'N$ ,  $126^{\circ}15'E$ .

The property is accessible from Houston via a 34 mile logging road which follows the Buck Creek valley south from Houston. A shorter 23 mile access road is currently under construction via the Dungate Creek Valley.

To date, two significant concentrations of silver-copper-gold-antimony mineralization have been located on the property. The principal minerals of economic importance are tetrahedrite and chalcopyrite. The Main Zone deposit was discovered in 1968 by Kennco Explorations, (Western) Limited. They carried out a substantial exploration program including approximately 30,000 feet of diamond drilling in 62 holes. With other priorities, Kennco terminated most of their activity at Sam Goosly in 1971 and in late 1972 optioned the property to the partnership of Equity Mining Capital Limited of Vancouver and Congdon and Carey of Denver, Colorado. The partnership's interest was subsequently reorganized into a new company, Equity Mining Corporation.

The new operators pursued a vigorous development program including 60,000 feet of definition drilling, underground bulk sampling, metallurgical research and pilot plant milling operations, together with the related engineering and environmental work necessary to complete a feasibility study.

During 1978, Placer Development Limited entered an agreement with Equity Mining Corporation for onward development of the project. The various interests were subsequently reorganized into a new company, Equity Silver Mines Limited with Placer as the operator.

The drilling described in this report is part of Placer's program to prepare the property for production.

DRILLING REPORT

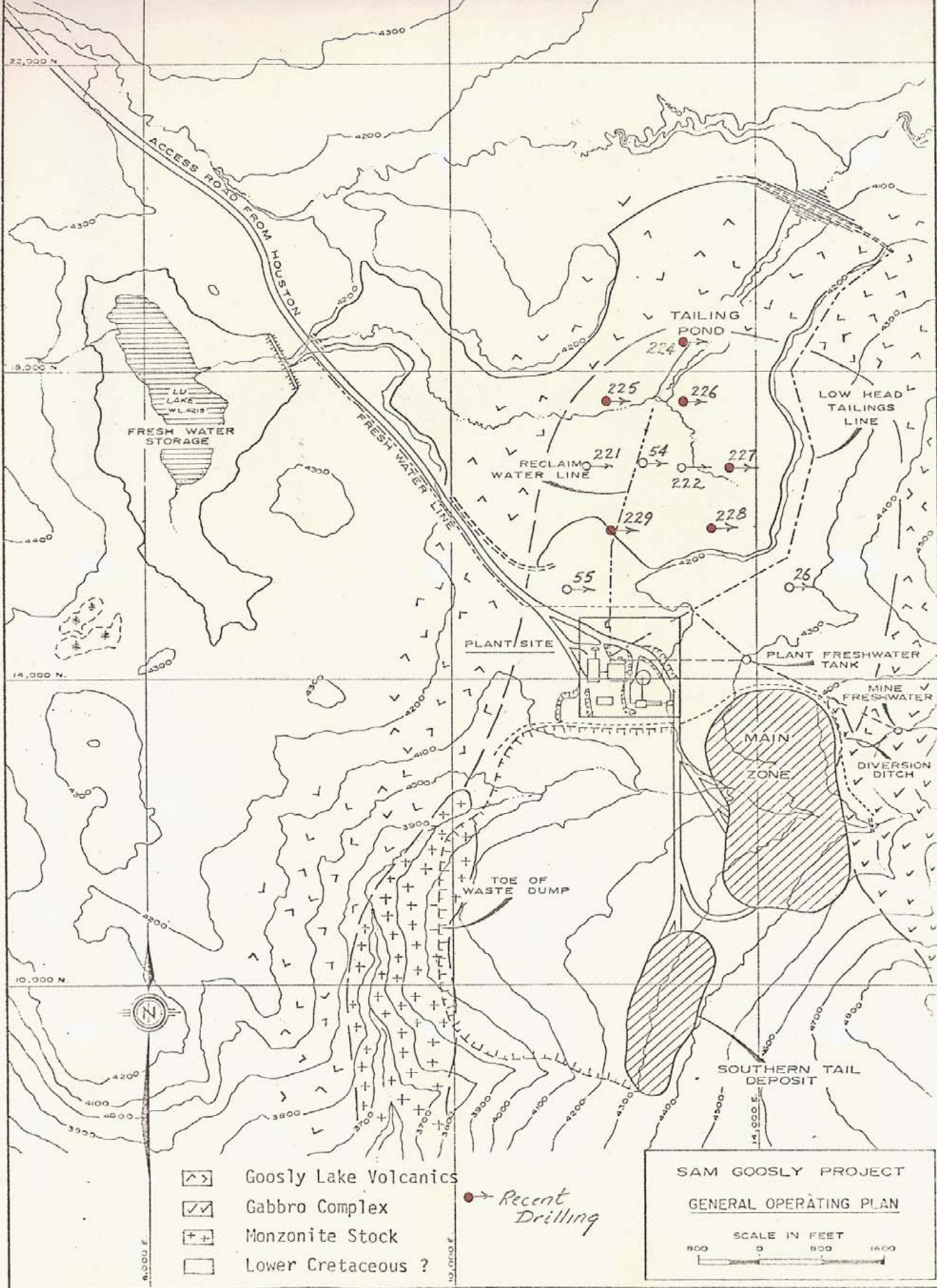
During the period January 16 to 25, a six hole diamond drilling program was completed on the Sam Goosly property. The drill collar survey data is as follows:

<u>Hole</u>	<u>Northing</u>	<u>Easting</u>	<u>Elevation</u>	<u>Bearing</u>	<u>Dip</u>	<u>Footage</u>
224	18,424.4	13,022.0	4,117.9	N89°20'E	-45°	505
225	17,603.4	12,007.4	4,140.1	S87°40'E	-45°	405
226	17,613.6	13,048.0	4,105.0	N85°50'E	-45°	615
227	16,810.2	13,630.9	4,132.9	S87°10'E	-45°	501
228	16,006.5	13,419.8	4,169.3	N89°40'E	-45°	505
229	15,993.3	12,023.2	4,197.1	N90°0'E	-45°	465

Dip tests were not taken. It has been our experience that the drill holes have run essentially true in the massive rocks at Sam Goosly. This is enhanced by the large diameter NQ size equipment and the relatively short length of the holes.

All of the holes were drilled within the proposed tailing impoundment basin. The aim of the program was to insure that the overburden covered basin does not overlie on area with open pit potential. In this regard the program was a technical success in that it confirmed the barren nature of the rocks in the planned tailing dam area.

All of the holes encountered volcanic flows and/or pyroclastics which appear to be part of the Lower Cretaceous unit. No unconformities or other evidence was observed which would indicate that these rocks were not a continuation of the hanging wall horizon. The same common post mineral dyke rocks were present as was the pervasive pyrite in the more southerly holes.



-  Goosly Lake Volcanics
-  Gabbro Complex
-  Monzonite Stock
-  Lower Cretaceous ?

 Recent Drilling

**SAM GOOSLY PROJECT  
GENERAL OPERATING PLAN**

SCALE IN FEET  
800 0 800 1600

Although the general rock types are similar to those of the immediate mine area, some important differences were noted:

1. Flow rocks have become increasingly abundant and constitute more than 50% of the Lower Cretaceous unit in the most northerly holes.
2. The pyrite content diminishes significantly going from south to north as does the intensity of the tourmaline alteration.
3. Economic sulphides are entirely lacking in the northern holes.
4. The pyroclastics in the tailing impoundment area are much fresher in appearance than those in the vicinity of the Main Zone deposit.

This latter feature permits good visual recognition of various aspects of the pyroclastics which were not previously apparent. Individual clasts are often distinct, as were such features as graded bedding, sharp contacts and the degree of rounding to which the fragments were subjected. In this regard, holes 224, 226 and 227 provide an excellent insight into the complex nature of the volcanic activity during the Lower Cretaceous(?) period.

Hole 228 was the only hole which encountered above background values. Assay results of the most pertinent intervals are:

<u>Interval</u>		<u>Width</u> <u>in ft.</u>	<u>% Cu</u>	<u>% Zn</u>	<u>% Pb</u>	<u>G/T Ag</u>	<u>G/T Au</u>
<u>From</u>	<u>To</u>						
255	265	10	.12	.02	.02	10	0.13
265	275	10	.36	.03	.03	50	0.12
305	315	10	.07	2.98	.06	12	0.30

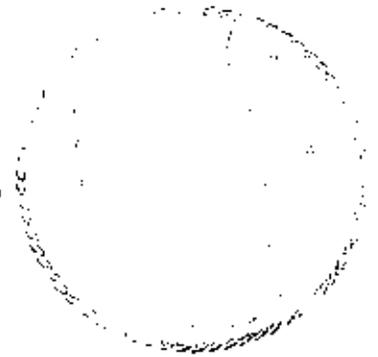
Detailed rock descriptions for each hole are provided in the appended "Drill Hole Geologic Log," while the assay results for the intervals assayed are shown in the "Drill Hole Assay Log."

The core is in storage at the camp site on the property.

Respectfully submitted,

*E.S. Holt*

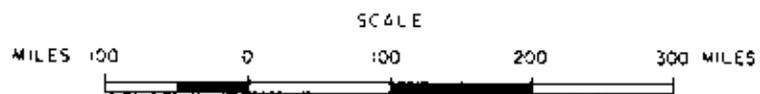
E.S. Holt, P. Eng.

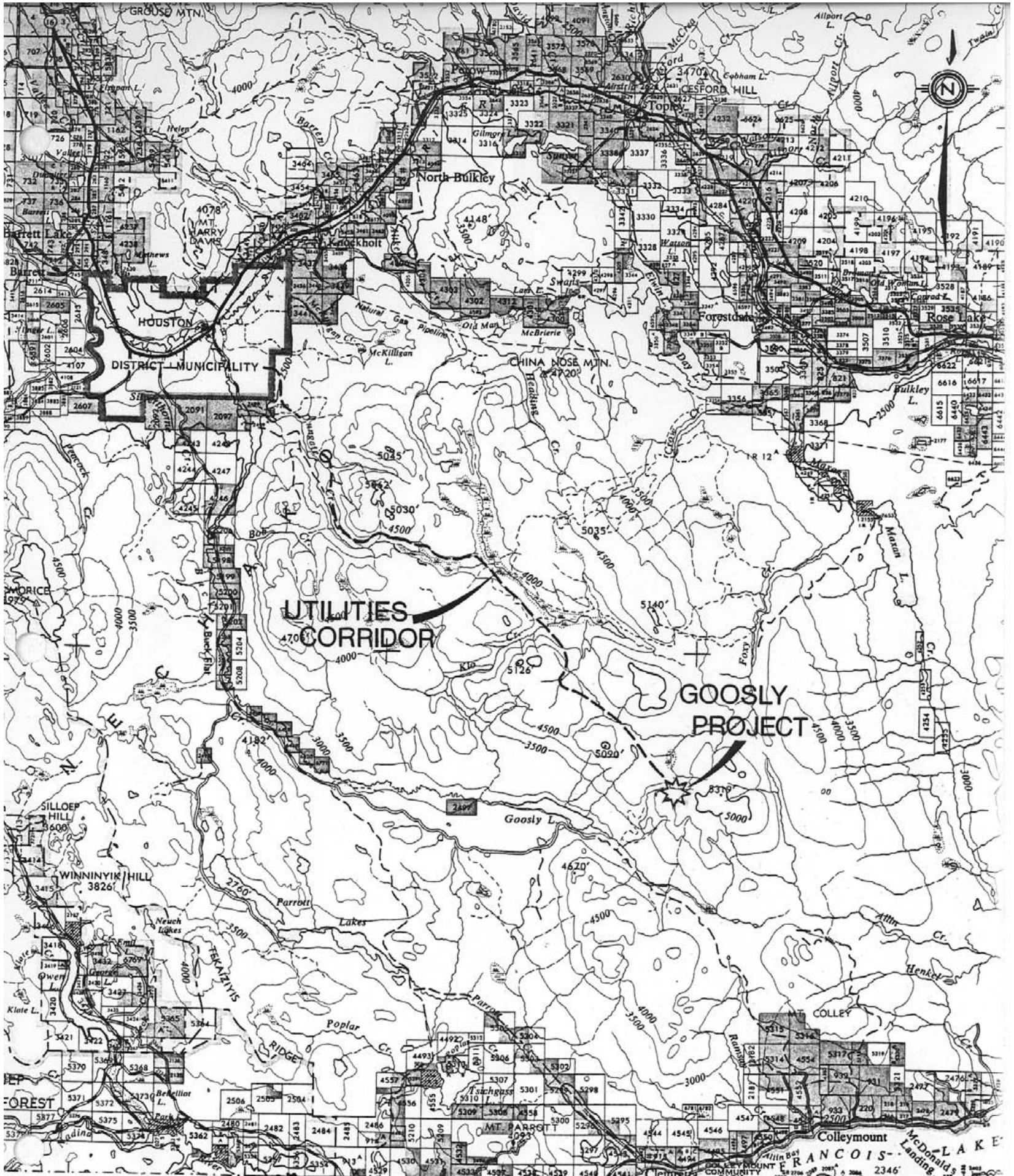


ESH/cs

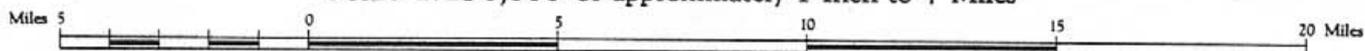


MAP 1.  
**LOCATION OF SAM GOOSLY DEPOSIT**

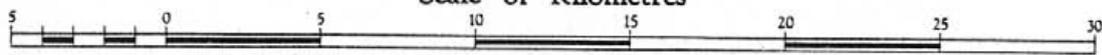




Scale 1:250,000 or approximately 1 Inch to 4 Miles



Scale of Kilometres



A P P E N D I X "A"

V-153 SAM GOOSLY

Drilling Cost Incurred for DDH 224-229

16-19 January

DDH 224 Located on Mineral Claim T-104

Total footage = 505 feet.

Straight Drilling Cost as per J.T. Thomas Invoice	\$6,570.00
Labour Cost (setting up & dismantling rig) plus mobilization of rig to the property 72 hrs. @ \$15.00/hr.	\$1,080.00
Drill & equipment hrs. charged 13 hrs. @ \$15.00/hr.	195.00
Tractor Time charged (set up & dismantling rig) 20 hours @ \$17.00/hr.	340.00
Tractor Time charged with operator 3 hrs. @ \$32.00/hr.	96.00

Camp Operations:

5 Drillers (L. Shaw, G. Shaw, S. Leduc, P. Wolnowski and J. Thomas) 3 days @ \$20.00/man day	\$300.00
1 company personnel (E. Holt) 3 days \$20.00/day	60.00
Company Wages: 3 days	
E. Holt (Supervisor) @ \$130.00/day	390.00
Material & Assay Cost:	
26 NW core boxes @ \$5.00/box	130.00
Soluble Oil 22.70 @ \$2.60/gal.	59.00
5 Core Samples for Cu & Ag @ \$11.25/sample	56.25

19-20 January

\$9,276.25

DDH 225 Located on Mineral Claim SG-1 Fr.

Total footage = 405 ft.

Straight Drilling cost as per S.J. Thomas Invoice	\$5,265.00
Labour Cost (setting up & Dismantling Rig) 6 hrs. @ \$15.00/hr.	90.00
Drill & Equipment hrs. charge 2 hrs. @ \$15.00/hr.	30.00
Tractor Time charged 2 hrs. @ \$17.00/hr.	34.00
Camp Operations:	
5 persons (L. Shaw, G. Shaw, S. Leduc, P. Wolnowski & E. Holt) 1 day @ \$20.00/man day	100.00
Company Wages 1 day	
E. Holt (Supervisor) @ \$130.00/day	130.00
Material & assay cost	
20 NQ core boxes @ \$5.00/box	100.00
Soluble Oil 18.24 gals. @ \$2.60/gal.	47.40
2 length nw casing (lost in hole)	178.00
4 core sample for Cu & Ag @ \$11.25/sample	45.00
	<u>\$6,019.40</u>

20-21st January

DDH 226 Located on Mineral Claim T-104  
 Total footages 615 ft.

Straight drilling cost as per J.T. Thomas Invoice	\$8,110.00
Labour Cost (setting up & dismantling) 4 hrs. @ \$15.00/hr.	60.00
Drill & Equipment charges 1 hr. @ \$15.00/hr.	15.00
Tractor & operator time charged 4 hrs. @ \$32.00/hr.	128.00
Camp Operations 1 day 5 persons (L. Shaw, G. Shaw, S. Leduc, P. Wolnowski & E. Holt) @ \$20.00/man day	100.00
Company Wages 1 day E. Holt (Supervisor) @ \$130.00/day	130.00
Materials & Assay cost 31 NQ coreboxes @ \$5.00 each	155.00
Soluble oil 27.7 gals. @ \$2.60/gal.	72.00
8 core samples for Cu & Ag @ \$11.25/sample	90.00
	<u>\$8,860.00</u>

21-22nd January

DDH 227 Located on Mineral Claim T-103  
 Total footage = 501 ft.

Straight drilling cost as per J.T. Thomas invoice	\$6,514.00
Labour cost (setting up and dismantling rig) 12 hrs. @ \$15.00/hr.	180.00
Drill & Equipment charges 6 hrs. @ \$15.00/hr.	90.00
Tractor time charged 9 hrs. @ \$17.00/hr.	153.00
Tractor Operator charged 5 hrs. @ \$15.00/hr.	75.00
Camp Operations 1 day 5 persons (L. Shaw, G. Shaw, S. Leduc, P. Wolnowski & E. Holt) @ \$20.00/man day	100.00
Company Wages 1 day E. Holt (Supervisor) @ \$130.00/day	130.00
Material & Assay Cost 25 NQ core boxes @ \$5.00/box	125.00
Soluble oil 22.50 gal.	58.50
10 core samples for Cu & Ag @ \$11.25/sample	112.50
	<u>\$7,538.00</u>

22-23rd January

DDH-228 Located on mineral claim T-102  
 Total footage = 505 feet

Straight Drilling Cost as per J.T. Thomas Invoice	\$6,570.00
Labour Cost (setting up and dismantling rig) 4 hrs. @ \$15.00/hour	60.00
Drill & equipment hrs. charged 2 hrs. @ \$15.00/hr.	30.00

Page three

Tractor Time charged 7 hrs. @ \$17.00/hr.	\$119.00
Tractor Operators time charged 5 hrs. @ \$15.00/hr.	75.00
Camp Operations 1 day 5 persons (L. Shaw, G. Shaw, S. Leduc, P. Wolnowski & E. Holt)	
Company Wages 1 day @ \$20.00/man day	100.00
E. Holt (Supervisor) @ \$130.00/day	130.00
Material & Assay Cost	
26 coreboxes @ \$5.00 each	130.00
Charges for 60% wear on NQ bit	420.00
Soluble oil 22.70 gal. @ \$2.60/gal.	59.00
9 core samples assayed for Cu, Ag, Au, Pb & Zn @ \$27.25/sample	245.25
2 core samples assayed for Cu & Ag @ \$11.25/sample	22.50
	<u>\$7,960.75</u>

23-25 January

DDH-229 Located on mineral claim 7-102

Total footage = 465

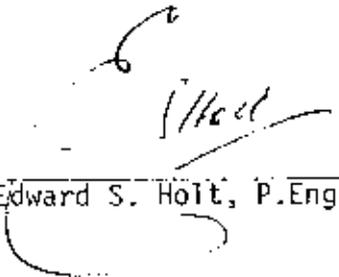
Straight drilling cost as per S.J. Thomas Invoice	\$6,045.00
Labour Cost (setting up & dismantling & moving off property) 38 hrs. @ \$15.00/hr.	570.00
Drill and equipment hrs. charged 12 hrs. @ \$15.00/hr.	180.00
Tractor time with operator charged 6 hrs. @ \$32.00/hr.	192.00
Tractor time charged 10 hrs. @ \$17.00/hr.	170.00
Camp Operation 3 days 5 persons (L. Shaw, G. Shaw, S. Leduc, P. Walnowski and E. Holt) @ \$20.00/man day	300.00
Company Wages 3 days E. Holt (Supervisor) @ \$130.00/day	390.00
Material & assay costs	
23 coreboxes @ \$5.00 each	115.00
Soluble Oil 21 gal. @ \$2.60/gal.	54.60
7 core samples for Cu & Ag @ \$11.25/sample	78.75
	<u>\$8,095.35</u>

A P P E N D I X "B"

STATEMENT OF QUALIFICATIONS

I, Edward S. Hold of North Vancouver, British Columbia, do hereby certify:

1. That I am a geologist residing at 4091 St. Albans Avenue, North Vancouver, British Columbia.
2. That I am a Professional Engineer registered in the Province of British Columbia.
3. That I am employed by Placer Development Limited, 1030 West Georgia Street, Vancouver, British Columbia.
4. That I have practiced my profession for twenty years.
5. That I have personal knowledge of the Sam Goosly deposits being developed by Placer Development Limited in the Omineca Mining Division, British Columbia, having personally spent extensive time on the property during the past six years. I have examined the core and familiarized myself with the surface trenches, underground workings and local rock exposures.

  
Edward S. Hold, P.Eng.

February 22nd, 1979  
Vancouver, B.C.

ESH/cs

SAM GOOSLY PROPERTY  
 Drill hole number 224  
 Core type NQ  
 Date January 18, 1979  
 Logged by E. S. Holt  
 Page 1 of 4

DRILL HOLE GEOLOGIC LOG

Northing 18424.4  
 Easting 13022.0  
 Elevation 4117.9  
 Dip -45°  
 Bearing N89°20'E  
 Total Length 505 FT

Alteration Scale

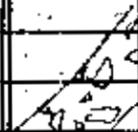
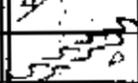
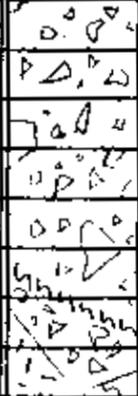
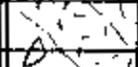
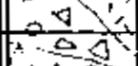
5 - Extreme Alteration  
 4 - High Alteration  
 3 - Moderate Alteration  
 2 - Some Alteration  
 1 - Weak Alteration  
 0 - No Alteration

Footage		Description	Graphic Log		Alteration							
From	To		Sketch	Remarks	Sil.	Clay	Chl.	Carb.	Sert.	Ep.	Tour.	
0	30	Overburden										
30	32	Breccia, angular fragments up to 10 cm in size healed with silica, tourmaline & pyrite, primarily ash & chert fragments, some late fractures			3				2		2	
32	43	Feldspar Porphyry, pale yellowish green with local white phenocrysts, some prominent banding parallel to contacts		sharp contacts		3			1			
43	60	Breccia (volcanic), highly variable angular fragments - white, grey, brown & green, minor coarse pyrite			3				2		1	
60	129	Feldspar Porphyry, typical pale yellowish green with white anhedral phenocrysts, dense near contacts					2					
		6' - 2" fault gouge		fault								
129	172	Andesite Flow (?) possibly a dyke, fine grained grey				3	1					

DRILL HOLE GEOLOGIC LOG

Hole Number 224  
Page 2 of 4

SAM GOOSLY PROPERTY

Footage		Description	Graphic Log		Alteration								
From	To		Sketch	Remarks	Sil.	Clay	Chl.	Carb.	Seri.	Ep.			
		green rock with poorly developed white and pale green phenocrysts, some hematite staining, tight fractures, healed with quartz-carbonate											
		151' - 48" inclusion or band of pyroclastics, reddish											
		172' - 12" clay											
172	257	Intermixed Pyroclastics, highly variable, predominantly lapilli and breccia size fragments with intermittent ash and dust tuff sections, local sections with minor pyrite and tourmaline, highly variable distinct angular frags.				3		1		2			
		220' - 2" fault gouge with py											
		242' - 36" dyke as (below)											
257	267	Dyke, this may be the same as our andesite porphyry in the Main Zone area as texture is similar by much redder in color 20% laths and nodules up to						2		1			

DRILL HOLE GEOLOGIC LOG

SAM GOOSLY PROPERTY

Hole Number 224  
Page 3 of 4

Footage		Description	Graphic Log		Alteration					
From	To		Sketch	Remarks	Sil.	Clay	Chl.	Carb.	Seri.	Ep.
		1cm in size, rusty red color, sharp contacts								
267	314	Intermixed Pyroclastics (similar to 172 to 257 above) 290' - 10' at badly broken core with some fault gouge. 2% pyrite as stringers & disseminated crystals.		fault	2	1			1	
314	326	Banded Pyrophyry, 20% coarse white laths & nodules in a fine purplish matrix, sharp chilled contacts.				1	1			
326	467	Mixed Pyroclastics, highly variable texture and color, predominantly lapilli size fragments with local sections of coarse breccia and intermittent ash and dust tuff, minor pyrite disseminated or as narrow stringers, ash banding mainly at about 60° to core. 327' sharp contact with breccia above and ash below.			3				1	



SAM GOOSLY PROPERTY

Drill hole number 212.5

Core type N.O.

Date Jan 20, 1979

Logged by E. S. Holt

Page 1 of 2

DRILL HOLE GEOLOGIC LOG

Northing 17603.4  
 Easting 12007.4  
 Elevation 4140.1  
 Dip -45°  
 Bearing S87°40'E  
 Total Length 405 ft

Alteration Scale

- 5 - Extreme Alteration
- 4 - High Alteration
- 3 - Moderate Alteration
- 2 - Some Alteration
- 1 - Weak Alteration
- 0 - No Alteration

Footage		Description	Graphic Log		Alteration							
From	To		Sketch	Remarks	Stl.	Clay	Chl.	Carb.	Serf.	Ep.	Item	
0	50	Overburden										
50	99	Breccia, highly variable coarse, angular and sub-rounded fragments up to 10 cm, local macron sections otherwise grey, minor pyrite mainly as stringers 66" - 24" dacite flow?			2	2						1
99	160	Dacite Flow? a fine grained rock with macron grey + green sections, strong chlorite alteration along fr, trace pyrite 110" - 15" soft clay (shear) 145' - 15" fault gouge 155' - a few pyrite stringers with tourmaline		shear		2	3					2
160	405	Dacite Flow, dense fine grained green rock with local grey altered sections, calcite healing fractures, alteration					2	1				





DRILL HOLE GEOLOGIC LOG

SAM GOOSLY PROPERTY

Hole Number 226  
Page 2 of 3

Footage		Description	Graphic Log		Alteration							
From	To		Sketch	Remarks	Sil.	Clay	Chl.	Carb.	Serl.	Ep.	Free	Heav.
		angular fragments in an ash matrix, in local sections matrix has been entirely replaced by tourmaline, most frags are dust tuff, some subrounded, 5% pyrite										
		312' - 8' very soft (shear?)		shear								
320	330	Dust Tuff, fine dense grey to black, minor pyrite in fractures, some gtz-carbonate			2	1			2		1	
330	394	Mixed Pyroclastics, intermittent ash lapilli and breccia with some fragments exceeding 10 cm in size, minor pyrite which is mainly concentrated in selected fragments			1	4			2		2	
		336' - 8' shearing (soft)										
		380' - 6' dust tuff										
394	411	Andesite Porphyry Dyke, white laths & nodules up to 1cm in a fine grained greyish-brown matrix, chilled contacts, gtz carbonate healing fractures, some inclusions				2			1			



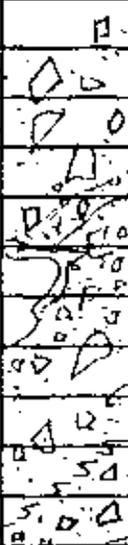
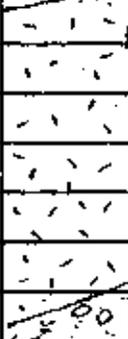
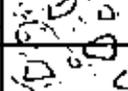
SAM GOOSLY PROPERTY  
 Drill hole number 227  
 Core type NO  
 Date Jan 22, 1979  
 Logged by E. S. Walt  
 Page 1 of 3

DRILL HOLE GEOLOGIC LOG

Northing 16,810.2  
 Easting 13,630.9  
 Elevation 4,132.9  
 Dip -45°  
 Bearing S87°10E  
 Total Length 501 ft

Alteration Scale

5 - Extreme Alteration  
 4 - High Alteration  
 3 - Moderate Alteration  
 2 - Some Alteration  
 1 - Weak Alteration  
 0 - No Alteration

Footage		Description	Graphic Log		Alteration							
From	To		Sketch	Remarks	Sil.	Clay	Chl.	Carb.	Seri.	Ep.	Tour.	Heav.
0	70	Overburden										
70	143	Mixed Pyroclastics, intermittent ash tuff, dust tuff, lapilli and coarse breccia, some frags up to 10 cm which are mainly composed of dust tuff in an ash matrix, mottled grey, pyrite mainly as irregular stringers or in selected frags 93' - 30" with heavy pt stringers 119' - 2" fault gouge			3	1			2			
143	150	Andesite Porphyry Dyke, sharp chilled contacts at 65' to core, 20% white laths and nodules in a maroon matrix, some kaolinization of feldspar laths, typical of this rock type					1					
150	401	Mixed Pyroclastics, as above intermittent sections of			3	2			2		1	

DRILL HOLE GEOLOGIC LOG

Hole Number 227  
Page 2 of 3

SAM GOOSLY PROPERTY

Footage		Description	Graphic Log		Alteration							
From	To		Sketch	Remarks	Sil.	Clay	Chl.	Carb.	Seri.	Ep.	Tau	Uen
		dust tuff, ash tuff, lapilli and coarse breccia with some sharp and some gradational contacts, mottled grey with some greenish sections, fragments are generally sub-rounded, bedding at 45° to core										
		175' - excellent example of graded bedding with core going from dust tuff to thorough to coarse breccia over a 10 inch interval										
		198' distinct bedding at 45° to core										
		199' a few pyrite stringers to 205'										
		255' fragments become generally well rounded to 342'										
401	468	Mixed pyroclastics, as above but with increased tourmaline and pyrite content giving rock a much darker color, fragments continue to be subrounded			3	1			2		3	





DRILL HOLE GEOLOGIC LOG

SAM GOOSLY PROPERTY

Hole Number 228  
Page 2 of 4

Footage		Description	Graphic Log		Alteration					
From	To		Sketch	Remarks	Sil.	Clay	Chl.	Carb.	Seri.	Ep.
		grey green rock								
		98' banding at 65° to core								
		103' narrow irregular stringers		Zn Pb						
		with Py, Zn & Pb to end of section								
120	157	Dust Tuff, fine textured buff colored rock with chlorite staining along fractures (looks very similar to fin. of S. Tail) minor pyrite				1	3		2	
		122' - 2" fault gouge								
		132' - 6" fault gouge								
		144' - 4" breccia section								
157	178	Andesite Dyke, dense fine grained medium green, sharp chilled contacts					fresh			
178	211	Dust Tuff, as above, fine textured buff colored rock with chlorite staining along fractures rare pyrite stringers		barren		1	3		2	
211	240	Andesite Porphyry, fine grained brownish green matrix with white highly kaolinized phenocrysts up to 1.5 cm, barren					2			

DRILL HOLE GEOLOGIC LOG

Hole Number 228  
Page 3 of 4

SAM GOOSLY PROPERTY

Footage		Description	Graphic Log		Alteration						
From	To		Sketch	Remarks	Sil.	Clay	Chl.	Carb.	Seri.	Ep.	Tau.
240	249	Mixed Pyroclastics, typical badge-podage of intermixed dust tuff, ash tuff, lapilli and breccia, mottled pale grey with minor black tourmaline associated with pyrite stringers (5% py)			1	2			2		1
249	255	Andesite Porphyry, as above but with rare Feldspar laths				1		Fairly Fresh			
255	335	Mixed Pyroclastics, well mineralized with coarse pyrite and some Pb-Zn stringers, highly variable texture with better mineralization in the lapilli and breccia. 261 - 48" massive pyrite 305 - 48" heavy pyrite with Pb, Zn stringers		Massive Py Py with Zn Pb		2					2
335	353	Dust Tuff, typical fine textured buff colored rock with minor chlorite alteration along fractures, rare blebs of pyrite, broken			1	1			3		1
353	430	Mixed Pyroclastics, predominantly lapilli with dust tuff, ash tuff and breccia intervals inter-			2	2	1		2		

DRILL HOLE GEOLOGIC LOG

SAM GOOSLY PROPERTY

Hole Number 228  
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Footage		Description	Graphic Log		Alteration					
From	To		Sketch	Remarks	Silt.	Clay	Chl.	Carb.	Seri.	Ep.
		mixed, some vague bedding at 45° to core, minor pyrite as patches or stringers								
		405' - 6" fault gouge		Fault						
		420' - 4" fault gouge								
430	439	Andesite Porphyry, fine grained brownish green matrix with green and white laths, sharp chilled contacts				1	1	1		
439	450	Mixed Pyroclastics, same as 353 to 430 a few patches pyrite			1	2			2	
450	464	Andesite Porphyry, as above with calcite healing fractures				1	2	2		
464	493	Mixed Pyroclastics, angular fragments up to 3 cm with intervals of dust and ash tuff, rare patches of pyrite, some bedding at 45° to core		bedding	1	3	1		1	
		487' - 6" fault gouge								
493	505	Diacite Flow? vague phenocrysts, fine textured grey-green rock, 3% pyrite as stringers with minor tourmaline? (black mineral)					2			

505 ft - end of hole

SAM GOOSLY PROPERTY

Drill hole number 229

Core type NQ

Date January 25, 1979

Logged by E. S. Holt

Page 1 of 2

DRILL HOLE GEOLOGIC LOG

Northing 15993.33

Easting 12023.23

Elevation 4197.11

Dip -45°

Bearing 090°

Total Length 465 ft

Alteration Scale

- 5 - Extreme Alteration
- 4 - High Alteration
- 3 - Moderate Alteration
- 2 - Some Alteration
- 1 - Weak Alteration
- 0 - No Alteration

Footage		Description	Graphic Log		Alteration						
From	To		Sketch	Remarks	Sil.	Clay	Chl.	Carb.	Seri.	Ep.	Tour
0	15	Overburden									
15	147	Dacite Flow, fine grained grey-green rock with local sections containing anhedral white phengocysts, minor pyrite finely disseminated or as irregular stringers, some mottled green chlorite alteration, some tourmaline with py stringers 79' - 26" fault gouge 115' - 4" fault gouge			1	2	2		2		1
147	242	Dacite Flow, as above with increased pyrite, tourmaline and clay alteration & shearing 174' - 15" fault zone 211 - 60" fault zone			1	3	1		2		2
242	348	Dacite Flow, as above with clay, more competent rock, minor tourmaline with pyrite stringers 320' - 3" fault gouge 326' - 24" shearing			1	1	1		2		2





DRILL HOLE ASSAY LOG

Hole Number 228

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SAM GOOSLY PROPERTY

Sample Number	Core Interval			Recovery		Geologic Notes	Estimates %			Assay Results						Joints/ Metre
	From	To	Length	Wt.	%		Py	Cp	Tet.	%Cu	%Zn	%Pb	%As	µg/T Ag	µg/T Au	
	0	5				Overburden										
	5	56	51		78	Dust tuff	4	-	-							
	56	73	18		90	Lapilli	4	-	-							
	73	83	10		85	Andesite Porph	-	-	-							
	83	100	17		80	Mixed Pyroclastics	4	-	-							
57078	100	110	10		95	Mixed Pyroclastics	5	-	-	.01	.05	.01		< 1		
57079	110	120	10		92	Mixed Pyroclastics	6	-	-	.01	.04	.09		2		
	120	157	37		90	Dust Tuff	3	-	-							
	157	178	21		94	Andesite Dyke	-	-	-							
	178	211	33		92	Dust Tuff	1	-	-							
	211	240	29		98	Andesite Porph	-	-	-							
57080	240	249	9		95	Mixed Pyroclastics	5	-	-	.01	.04	.01		< 1		
	249	255	6		97	Andesite Porphyry	-	-	-							
57081	255	265	10		70	Mixed Pyroclastics	15	-	-	.12	.02	.02		10	0.13	
57082	265	275	10		85	Mixed Pyroclastics	35	-	-	.36	.03	.03		50	0.20	
57083	275	285	10		92	Mixed Pyroclastics	8	-	-	.01	.01	.01		4	0.05	
57084	285	295	10		90	Mixed Pyroclastics	12	-	-	.05	.01	.01		< 1	0.06	
57085	295	305	10		92	Mixed Pyroclastics	10	-	-	.01	.03	.01		< 1	0.09	
57086	305	315	10		85	Mixed Pyroclastics	25	-	-	.07	2.98	.06		12	0.30	
	315	335	20		97	Mixed Pyroclastics	8	-	-							
	335	353	18		90	Dust Tuff	2	-	-							
	353	430	77		97	Mixed Pyroclastics	2	-	-							
	430	439	9		98	Andesite Porph.	-	-	-							
57087	439	450	11		96	Mixed Pyroclastics	3	-	-	.01				< 1		
	450	464	14		97	Andesite Porph	-	-	-							













MINERAL RESEARCH  
 7166

**LEGEND**  
 - - - INITIAL PIT  
 ——— FINAL PIT OUTLINE  
 ——— SURVEYED CLAIMS

**SAM GOOSLY PROJECT**  
**GENERAL OPERATING PLAN**

SCALE  
 FEET 0 400 800 1200 FEET