

Diamond Drilling Report
on the
Jennie Group

Liard Mining Division
104 P/4 E
Lat. 59 13' Long. 129 40'

Owner
ERICKSON GOLD MINING CORP.

Operator
ERICKSON GOLD MINING CORP.

Consultant
J. M. Black, PHD. P. Eng.

Author
W. G. Botel, P. Eng.

October 15th, 1979.

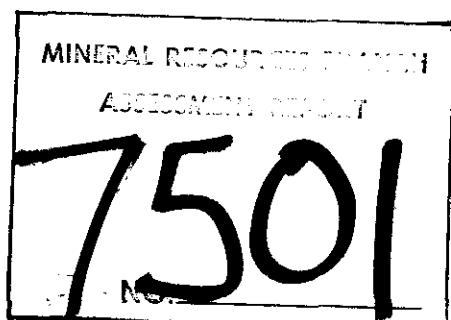


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Claim Map - portion of 104P/4E.

Drill hole location plan 1;5000.

Diamond Drill log sheets.



ERICKSON GOLD MINING CORP.
 Outline of Property
 Liard Mining Division
 104P Scale 1:250,000

JENNIE GROUP

CLAIM	RECORD #	RECORD DATE	OWNER	FMC #	ISSUED
FG 1	72296 N	Oct. 16/74	Erickson Gold Mining Corp.	168517	Dec. 29/78
FG 2	72236 N	Oct. 22/74	Erickson Gold Mining Corp.	"	"
SKY	262	Mar. 21/77	Erickson Gold Mining Corp.	"	"
SNO	63	Oct. 28/75	Erickson Gold Mining Corp.	"	"
SUN	13	July 11/75	Erickson Gold Mining Corp.	"	"
KAT	56	Oct. 16/75	Erickson Gold Mining Corp.	"	"
Jennie Est. 1	4932 M	Sept. 18/56	Table Mountain Mines Ltd.	168383	Dec. 20/78
Jennie Est. 2	⁴⁹³³ 4927 M 4933	Sept. 18/56	Table Mountain Mines Ltd.	"	"

INTRODUCTION

The Jennie Vein, presently being mined by Erickson Gold Mining Corp., was discovered in 1935 by Hans Erickson.

Surface and underground exploration over the past few years on the Jennie Vein resulted in the Erickson Gold Mine, which commenced production in December, 1978.

Surface work, consisting of diamond drilling was carried out from August, 1979 to September, 1979.

The purpose of the work was to extend the known limits of the Jennie Vein laterally and vertically.

LOCATION AND ACCESS

The Erickson Gold Mining Corp. property is located on the North slope of Table Top Mountain between 930 m. and 1500 m. elevation and lies west and south of highway 37 from the Cassiar road junction. The Jennie Vein outcrops in Erickson Creek at about 1400 metres.

Access is by highway 37 from the Alaska Highway - 80 miles, or by Kitwanga - 407 miles. The property road leads south from highway 37 at Troutline Creek about 2 km. westerly of the Cassiar junction.

HISTORY

Placer mining for gold in the McDame area started in 1874. A rush followed and several profitable operations existed up the McDame River.

Hardrock prospectors discovered many gold bearing quartz veins in the area. Table Top Mountain was first mentioned in 1936 following discovery of the Vollaug vein and the Jennie Vein in Erickson Creek.

Cominco optioned the claims and carried out exploration consisting of trenching and diamond drilling but dropped their option the following year.

A small scale mining operation on the Jennie Vein was started by the McDame Lake Mining Company in 1938 or 1939. Approximately 130 tons of ore was put through a 10 ton mill. The reported yield was 114 Oz. Au and 20 Oz. Ag.

No further work of consequence was done on the Jennie Vein until it was acquired by the Agnes and Jennie Mining Co. Ltd. in 1973.

Preliminary testing in 1973 indicated a mineralized source extending west of the Jennie outcrop. Percussion drilling in the spring of 1975 resulted in some spectacular gold assays

cont'd.....

HISTORY cont'd....

over good lengths. Three diamond drill holes were put down through the Jennie Vein in September - October, 1975 and again the assays were favourable.

Nu-Energy Development Corporation optioned the property in 1976 and carried out a more extensive drilling program consisting of 18 Winkie drill holes in 1976 and commenced an underground exploration program in January, 1977. The underground work consisted of a cross-cut adit collared 235 metres N 30 W of the Jennie Vein outcrop in Erickson Creek and 61 metres lower in elevation. This adit cut the Jennie Vein at 191 m. and was continued for another 36 m. Thirty-six metres of drifting along the Jennie Vein cut through the lower section of the ore-shoot outlined by the previous surface drill holes. Underground drilling of 27 holes during February, March and April, 1977 further outlined the vein.

Surface drilling of 29 holes in the summer and fall of 1977 extended the dimensions of the vein laterally to the west and downdip while, at the same time, indicated more ore shoots. Surface drilling was completed in October, 1977. Drifting to the west along the Jennie Vein started in December, 1977 and was completed in January, 1978 following a decision by the operators and their consultant, J. M. Black, PHD. P. Eng. that enough ore

cont'd.....

HISTORY cont'd....

was in sight to justify production at 100 - 150 tons per day.

Mining over the past year has shown good continuity of the ore shoots in the area of past exploration. The grade has been lower than expected from drill hole information but this has been off-set by a good increase in tonnage.

SUMMARY

A total of 15 holes with an aggregate of 1450.19 metres of BQ core were drilled on the FG #1, SUN and SNO mineral claims during the period August, 1979 to September, 1979.

CORE STORED AND PREPARED ANALYSES BY CHIMEX TEK
PURPOSE

The purpose of drilling the 15 holes was to test the lateral and vertical continuity of the Jennie Vein and to indicate gold bearing ore shoots if possible.

RESULTS

Of the 15 additional drill holes on the FG 1, SNO and SKY mineral claims all but 4 intersected vein material. The westerly holes are 100 metres apart and it is difficult to say that the vein cut is the Jennie Vein. However, based on the indicated

cont'd.....

RESULTS cont'd....

strike from past work, the vein intersected does appear to be the Jennie Vein.

Deeper drilling, that is, below the present 1350 m. level intersected the Jennie Vein in all cases.

Elevation of the deepest intersection is 1265 m.

MINERALOGY

The most common mineral is pyrite - both coarse and fine. Tetrahedrite is also quite noticeable but in variable amounts and contains considerable silver and at times gold. Chalcopyrite is usually found in areas of low tetrahedrite and is indicative of gold. Sphalerite is found in very minor amounts but may also indicate gold.

The gold is generally fine and free. It occurs in definite ore shoots and is not highly visable on cursory inspection.

CONCLUSIONS

The Jennie Vein is very strong and exhibits excellent lateral and vertical continuity.

Gold mineralization found in this years drilling appears to indicate a rake down to the west.

cont'd....

COSTS

Diamond drilling costs are charged out on a per metre basis at \$68.89.

1450.19 metres of BQ diamond drilling at \$49.20	=	\$ 71,349.35
Mobilization and demobilization	=	4,500.00
Accomodation - 5 men	=	5,625.00
Engineering	=	10,000.00
Cat rental	=	4,800.00
Contract bulldozing	=	3,500.00
Vehicle	=	1,400.00
Core storage	=	500.00
Assaying - 69 @ 12	=	828.00
		<u>\$ 102,502.35</u>

$$102,502 \div 1450.19 = \$ 70.68 \text{ per metre}$$

STATEMENT OF QUALIFICATIONS

I, William G. Botel, of 14218 Marc Road, Maple Ridge, B. C. do hereby certify that:

- (1) I am a graduate of the University of British Columbia B. Sc. 1959, a fellow of the Geological Association of Canada and a member of the Association of Professional Engineers of British Columbia. I have practised my profession for 18 years.
- (2) I am the author of this report, which is based upon work under my personal supervision during 1979 on the Erickson Creek property of Nu-Energy Development Corp. and Erickson Gold Mining Corp., near Cassiar, BC.
- (3) While supervising the Erickson Creek property work I was under the direction of J. M. Black, PHD. P. Eng., consultant to Nu-Energy Development Corp. and Erickson Gold Mining Corp.
- (4) I have no interest either direct or indirect in either Nu-Energy Development Corp. or Erickson Gold Mining Corp.

Respectfully Submitted,



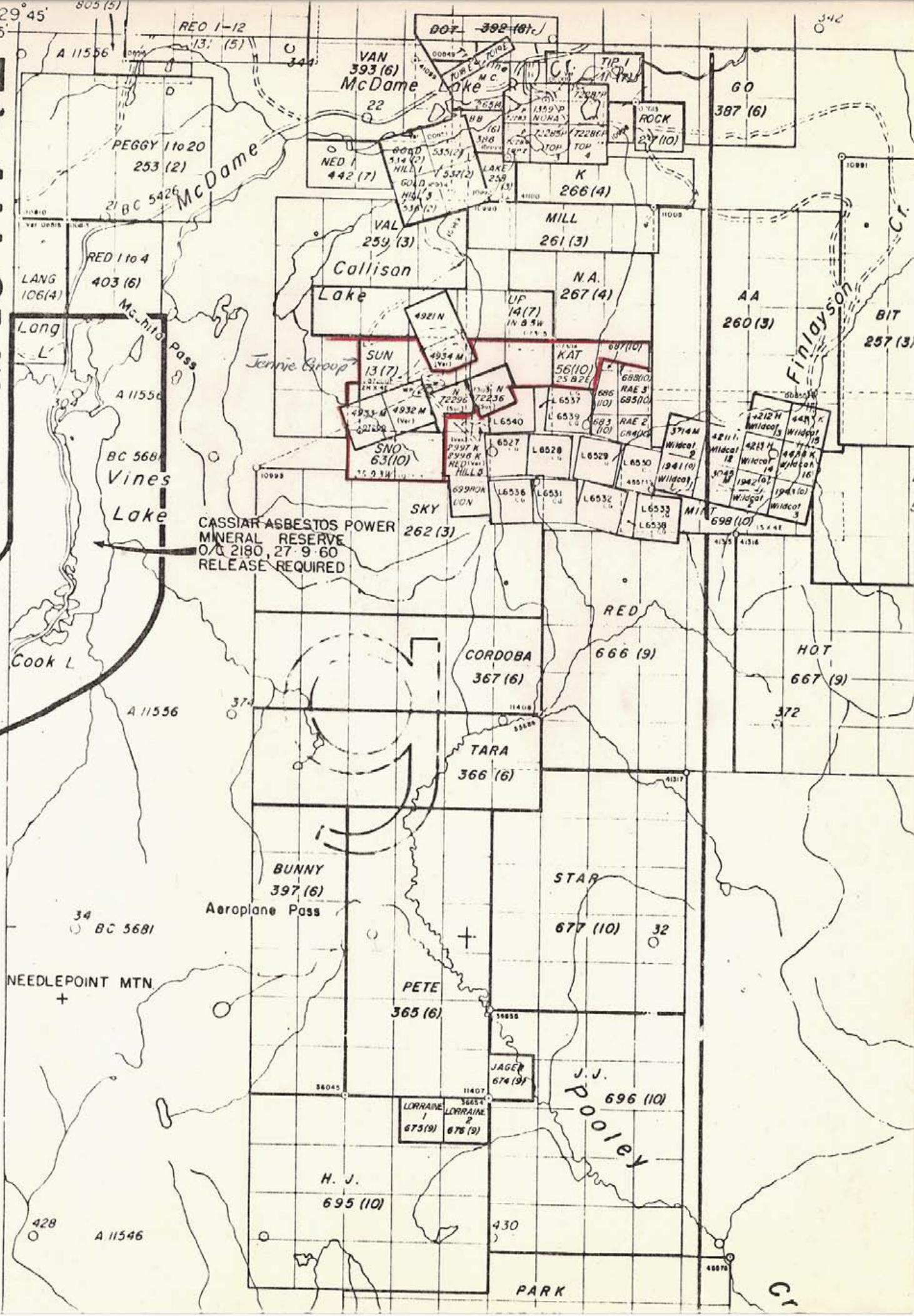
William G. Botel, P. Eng.

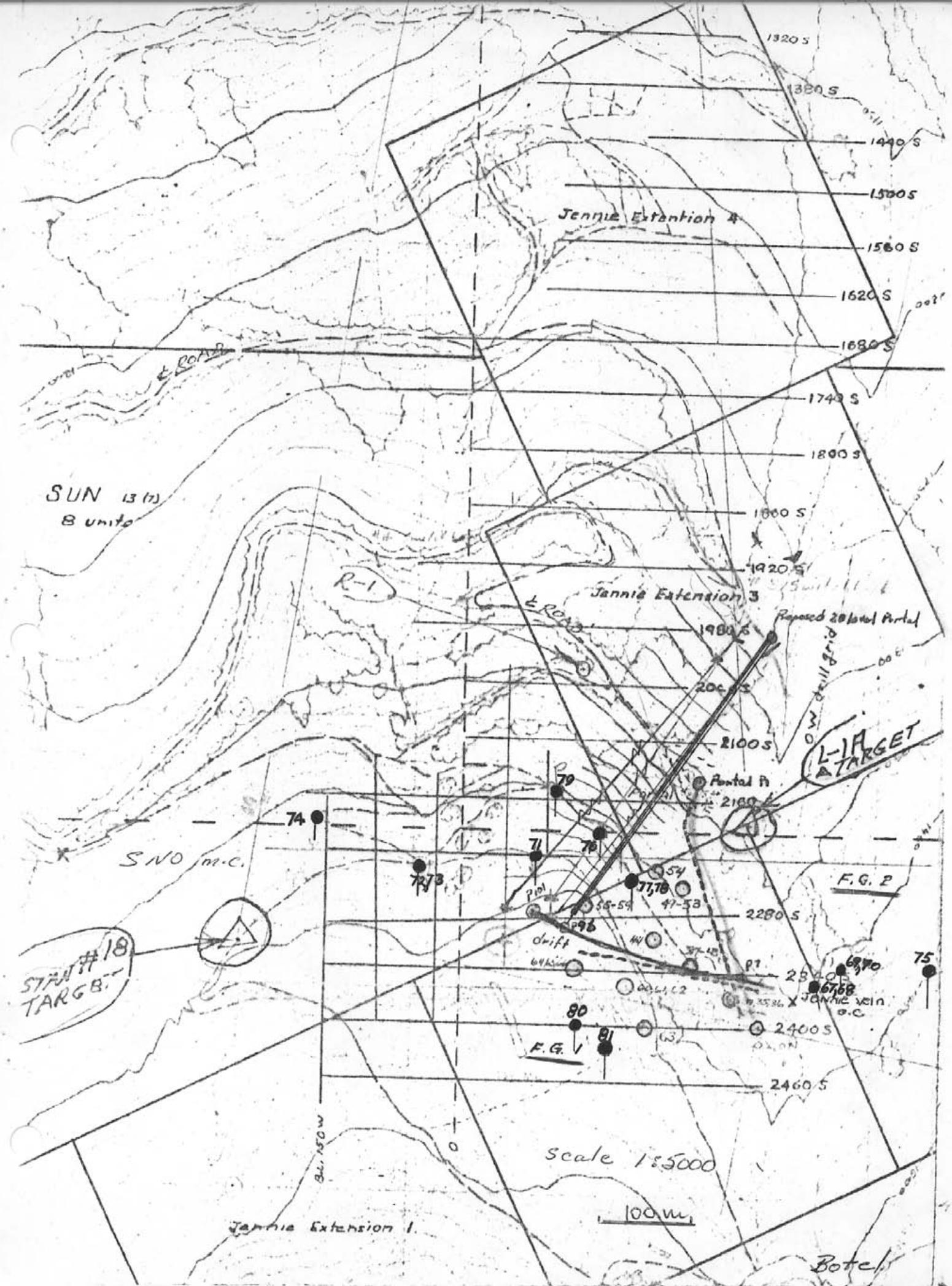
North Vancouver, B.C.

October 15th, 1979.

M104P/4E

(FOR PLACER SEE P 104P/4E)





Co-Ords: 4224.493 1938.543

The Agnes & Dennis Mining Co. Ltd.

Azimuth: 197°

Diamond Drill Record

Dip: -44 -45°

Drill Type & Size:

Elevation: 1408.354

Hole No. 79-67

Length: 48.01

All coordinates based on
North American datum
The first two digits have been dropped.

Section:

Purpose:

Property: Erickson

Location: E side Erickson at Fig 1 Inc.

Date Started: 17 Aug 79

Date Completed: 19 Aug 1979

Logged By: Batal

Date Logged: Aug 20/79

Footage/Metres		Description	Sample No.	Footage/Metres		Length	Au	Ag
From	To			from	to			
0	17.518	overburden casing						
17.518	21							
21	5.18							
5.18	17'	Tuff in part fragmental. Greenish grey, carbonated, oxidized Several low angle gtz stringers (as in outcrop)						
17	10.7m							
10.7	13.61	Argillite - laminated with gtz stringers						
13.61	14.91	Tuff/Arg minor gtz stringers						
14.91	15.52	Quartz vein with very minor tetrahedrite	M2951	14.91-15.52	15.52	0.342	0.50	
15.52	17.75	Argillite (solid) with gtz stringers + hair like veins						
16.27	16.97	Quartz vein mixed with above.	M2952	16.27	16.97	0.319	0.32	
17.75	19.82	Argillaceous tuff bleached with mariposite and some brown alteration.						
19.82	29.90	Argillaceous tuff not bleached - however is badly broken to 28.5° Also has quartz veining. recovery 70%						
29.90	29.90							
29.90	35.70	Tuff - altered, chloritized, mineral py. Poss to argillite Generally light coloured. Blotchy						

7501

7561

Co-Ords: 4224.493 1938.543

The Agnes & Dennis Mining Co. Ltd.

Hole No.

79-68

Azimuth: 197°

Diamond Drill Record

Property: Erickson Gold Mining Corp.

Dip: - 75

Drill Type & Size:

Location: F.G. 1 m.s.

Test at 268' = 81 1/2° True 77 1/2°

Elevation: 1408.354

Date Started: 19 Aug 79

Length: 268 feet 81.96m.

Smaller numbers - metres

Date Completed: 22 Aug 79

Section:

Logged By: RWD

Purpose:

Date Logged:

Footage/Metres		Description	Sample No.	Footage/Metres		Length	Au	Ag
From	To			from	to			
0	5.96 1/2	casing						
5.05	16 1/2	Grey tuff with gtz stringers + oxidation becomes fragmental						
16 1/2	37 1/2	mean 37'. Bedding of fragments 75° to c.a.						
11.47	11.31							
37 1/2	43 13.15	Laminated argillite with gtz stringers. laminations 60° to c.a.						
43	62 18.96	Tuff in part argillaceous oxidized						
16.21	18.04							
53 - 59		Reheated fault breccia						
18.65	18.86	" "						
61		" "						
62 18.96	20.63m	Silicified cracked tuff - almost gtz like.						
18.82	19.68	every other piece						
20.63	21.10	Gtz vein orange & minor tetrahedrite + chalc.	2955	62'	65'	0.008	0.17	
21.10	21.94	Gtz vein grey/white mostly 25% py. No vis minz	2953	20.63 m	21.10m	47cm	0.044	0.40
21.94m	23.55	Tuff grey/brown small frags	2954	21.10	21.94m	84cm	0.040	0.42
		Gtz vein - 22.92 - 23.17						
		11 Gtz stringers at 75 22.94						
23.55	25.23							
77	82 1/2	Silicified cracked tuff or reheated fault by. Solution holes						
25.23								
82 1/2	83 25.38	Gtz vein - int 45° contact with argillites pass over.	2956				1501	0.016 0.16

Footage/Metres		Description	Sample No.	Footage/Metres		Length	Au	Ag
From	To			from	to			
83	268	Argillite py cubes + rock min cubes - check?						
25.38	81.96	8 Brown spots stop at 113' 34.56						
2645.86	2872.61	1/2 vein - broken	2957	2957		0.008	0.15	
2943.8	103.58	Prob fault						
2941.98		Bedding 45° to c.a.						
122.37-31	"	25° to c.a.						
142.42-43		25° to c.a. brownish spots						
176.53-82		60° to c.a.						
185.56-57		40° to c.a.						
217.66-36		35° to c.a.						
239.73-09		30° to c.a.						
268.81.96		57° to c.a.						
81.96								
268		End of hole.						
Hole 72-59	304' - 316'	Similar to sil cracked by as at this hole						
Hor. comp. end of hole	81.96 m	19.48	Elev.					
vein T	20.63	4.90						
	21.94	5.21						
Vert. comp.	81.96 m	79.61						
veint 20.63 m		20.04						
" 21.94		21.31						
		1388.74						
		1388.31						
		1387.04						
		26.25°						

-1501

Co-Ords: 4244.697 1967.398

The Agnes & Dennis Mining Co. Ltd.

Hole No. 79-69

Azimuth: 184° 02' 33"

Diamond Drill Record

Property: Erickson

Dip: -45° 02' 39"

Drill Type & Size:

Location: F.G. 2 m.c.

Elevation: 1407.66

Date Started: 22 Aug 79

Length: 1407.665 - 30.89m

Date Completed: Aug 24/79

Section:

Logged By: Rotel

Purpose:

Date Logged:

Footage/Metres		Description	Sample No.	Footage/Metres		Length	Au	Ag
From	To			from	to			
0	257.65	casing						
2.5	52.15.90	Tuff brownish grey oxidized 35'-36' Qtz vein barren. 10.70 11.01	2958				0.006	0.19
52	101.30.89	Sil grey tuff breccia. 15.80 - 16.31 pass fault breccia contact 65° to c.a. 19.89 - 20.68 - 20.49 Qtz stringer/vein oxidized 18.88 - 19.23 Qtz vein greyish 21.56 20' 2 - 24.79 1/4 Qtz vein slightly rusty	2960 2959 2961				Tr 0.09 Tr 0.06 Tr 0.05	
	24.31	79 1/2 - 29 3/4 Core extremely broken up & oxidized with solution holes etc						
		In general total recovery probably 70%						
		101 - end of hole. 30.89						
			Elev.					
		H. Comp at end of hole 30.89 = 21.84						
		V. Comp p at end of hole 30.89 = 21.84 1385.83						

Co-Ords: 4244.697 1967.398

The Agnes & Dennis Mining Co. Ltd.

Hole No. 79-70

Azimuth: Vertical

Diamond Drill Record

Property: Erickson

Dip: Vertical

Drill Type & Size:

Location: F.G. Zone

Elevation: 1407.665

Date Started: 24 July 79

Length: 110' 33.64m

Date Completed: 25 Aug 79

Section:

Logged By: Batal

Purpose:

Date Logged:

Footage/Metres		Description	Sample No.	Footage/Metres		Length	
From	To				from		
0	32.919	Overburden					
9.79	32	Grey tuff & gte stringer					
10.09	33.009	Gt vein & orangey 30° fract. minor pyrite	2622			0.003	0.01
11.31	37.11.31	Gt vein broken recovery 75% slightly more py.	2623			0.032	0.08
12.23	37	Gt vein broken recovery 75% slightly more py.	2624			0.030	0.03
12.54	40	Contact zone. Vein/tuff 70% rock Leached py holes					
13.76	41	Tuff greenish gray-dark matrix, oxidized					
45	91.27.83	Tuff siliceous gray/white. Fragmental. still has slight argillite matrix.					
		Gt veins 57, 58, 63, 66 1/2 - 70-71 76 1/2 17.43, 17.74, 19.27, 20.34, 12.44, 21.21, 23.39	2966			0.016	0.49
		78 1/2 - 82 Broken 70% recovery 24.01 25.08					
91	110 33.64	Argillite - starts as Tuff/arg with meriposite becomes massive argillite at 97 29.66					
		Gt vein 102 - 103 1/4 - lower contact 20° to c.a. 31.19, 31.65	2967			Tr	0.30
		Bedding \approx 60°					
		END 110					
		Vert comp. end of hole.					
		Min. Top 23.10.09					
		81. 12.23					
				1374.03			
				1397.53			
				1395.44			

Sheet No.

1501

Co-Ords: 4354.759 1634.717

Azimuth: 194° 08' 41"

The Agnes & Dennis Mining Co. Ltd.

Diamond Drill Record

Hole No.

79-71

Dip: -44° 47' 16" Test at 270° = 60° Drill Type & Size:

True 52½°

Elevation: 1428.392

Length: 93.27m Hor. comp. end.

= 61.50m

Vert. comp. 70.12

Elev. 1359.27

Section:

Rein 284½ - 286

57.3L - 57.67

65.41 - 65.76

1362.98 - 1362.63

Purpose:

289 - 291

58.27 - 58.68

66.45 - 66.91

1361.94 - 1361.48

291½ - 294

58.77 - 59.28

67.02 - 67.60

1361.57 - 1360.79

Footage/Metres		Description	Sample No.	Footage/Metres from	Length	An	Ag
From	To			to			
0	40 12.23	casing - broken argillite					
40	272	Argillite light + dark banding Predom black/gray					
	83.18						
		13.46					
		Bedding 44° - 65° to core axis					
		17.13 56° - 60°					
		19.27 63° - 40°					
		17.74, 58° - 30.58° prob slump.					
		36.70', 38.23' - 120' - 125' tuff frags. 50°					
		39.14 128' - 35°					
		44.34 145' - 40°					
		49.24' - 50.45' - 161' - 165' Ozy section					
		57.80' 189' - 200' Gray tuffaceous section					
		63.20' - 206' - 20' - 20°					
		65.44' - 274' - 272'					
		Tuffaceous argillite					
		83.18' - 214' - 224'					
		Tuff breccia in argillite matrix (lapilli)					
83.18	84.40						
272	276½	Altered laminated argillite greenish					
276½	278½	Rusty 3/8" gtz stringers in lam. argillite - Beginning of fault zone					
278½	295	Still altered argillite but siliceous					
		87 284½ - 286½ milky white gtz pebbles ~ 25% tuffs 30% recov.					
		88.38 289 - 299 Gray gtz mixed with tuff/larg(40%), 10% recov.					
90.21	93.27	99.14 91½ - 92.84 Mixed white + gray gtz with ~ 15% arg. 50% recov					
295	305	Tuff gray/buff					

305 end. Very difficult drilling at bottom.

Chart No.

7501

Co-Ords: 4341.416 1509.933

Azimuth: 180° 21' 00"

Dip: -75° 16' 50"

True at 256' = 81°

Elevation: 1420.275

Length: 78.29

Drill Type & Size:

True 77°

-

Section:

54-28 - 54-43 vein - 54-28 - 54-43

Hor. comp. 18.94

Vert. comp. 75.96

52.67 - 52.81

Elev. surf.

1344.32

1367.61 - 1367.47

Purpose:

Location: 5' N.O.m.s.

Date Started: 28 AUG 79

Date Completed: Aug 30/79

Logged By: Botel

Date Logged: Aug 31/79

Footage/Metres		Description	Sample No.	Footage/Metres from	to	Length	Au	Ag
From	To							
0	56 17.13	Casing						
56	56 62	Tuff grey/buff						
60 19.35	61 1/2 15.81	Qtz vein 20° to ca. 5-6" True width.						
62	80 24.46	Tuff greenish. black alteration veinlets.						
80	202 61.77	Tuff greenish - argillaceous matrix on black alteration 80 1/2 - 89 1/2 24.92 argillite also knife edge, polished, 45° slip						
	25.84	1 1/2" 30° Qtz stringer						
29.96	29.96 31/4	Fault altered zone ± 2 stages fine pyrite	2969				0.006	0.06
31.80	31.80 1/2	Fault - cavities 30°						
36.39	36.39	4" argillaceous matt.						
47.89	47.89 156 1/2 48.01	Fault, fine ± 1/1 pyrite, vugs						
47.86	156 1/2 - 157 48.01		2970				0.036	0.03
174	174 53.21	2" argillaceous material 35° to c.a.						
174	174 53.21	Core broken, oxidized on fractures. More fragments						
178.77 1/2	178.54.43	Qtz vein Poss vein horizon	2968				0.006	0.30
175 1/2 53.67		Argillaceous material - graphitic						
202	226 69.11	Tuff Dark grey few large buff fragments						
215	217 66.36	Fault, mud + sand 45° to ca.						
226	256 73.12	Argillite or tuff - solid altered to very talcy material light + dark. fine grained						
This hole probably did not reach vein horizon.								

256 End.
78.29

Sheet No.....

1501

Co-Ords: 4341.416 1509.933

Azimuth: 180° 21' 00"

Dip: -50 1/2

Drill Type & Size:

Elevation: 1420.275

Length: 267' 81.65m

Section:

Purpose:

The Agnes & Dennis Mining Co. Ltd.

Diamond Drill Record

Hole No. 79-73

Property: Erickson

Location: S'NQ m.s.

Date Started: Aug 30 79

Date Completed: Sept 2 79

Logged By: Hotel

Date Logged:

Footage/Metres		Description	Sample No.	Footage/Metres	Length	4n	Ag
From	To			from	to		
12.23	0	40 ^{12.23} casing, 2'-4' argillite friconed at bottom?					
15.75	40	51 1/2 ^{15.75} weathered oxidized Tuff buff/green fragmented.					
19.88	51 1/2	65 ^{19.88} Tuff green/gray ash.					
22.94	65	75 ^{22.94} Tuff, buff, 60ff. Much fine py 72-75 74 1/2-75, sample of py.	2971			0.006	0.01
23.85	75	78 ^{23.85} Tuff green/gray ash as 51 1/2-65 no sharp contacts					
28.75	78	94 ^{28.75} Tuff, buff. gtz veins 4" \approx 45° at 82 1/2, 90					
47.09	94	104 ^{47.09} Tuff green shaly buff ash.					
47.71	104	116 ^{47.71} Tuff Buff - 46° sharp contact at 154', 156					
58.41	104	119 ^{58.41} Tuff buff + grey poss fragmented, dark lines gtz vein 5" 30° ② 163					
59.63	119	" " 2" 40° ② 180 1/2					
59.94	119	" " 6" 30° 55 1/2-182 ^{59.94} with py + stringers.	2972			0.008	0.03
61.77	119	" " 2" 30 186 1/2					
65.14	186 1/2	4" "					
69.27	191	195 ^{59.63} Qtz vein 191-195° 45° shear ② 191 orangey. solid 2973				0.010	0.09
195	199	60.86 " " 195-199 appears to be semi parallel with rock 2974				0.023	0.04
196	202	61.77 Tuff purplish grey - in contact with qtz					
202	214	65.14 Tuff Dark green-grey, altered. Brecciated					
213	213	63.00 206 1/2-213 1/2 - 65% recovery, some etc.					
213	213	69.27 Fault zone - breccia Mixed Tuffs + dyke.					
226 1/2	233	71.25 Dyke Upper contact gouge; lower is 30° Probably bleached finer grained version of dyke in hole '77-55 ② 139 m. Biotite is bleached!					

Sheet No..... 1501

79-73 (2)

Footage/Metres		Description	Sample No.	Footage/Metres		Length	Au	Ag
From	To			from	to			
21.25	23.3	24.2 ^{24.01} Altered, grt stringer dark rock - pass arg. minor green Omnia - marlpsite						
24.01	24.2	24.6 S.I Buff/grey tuff with stringers						
25.23	24.6	26.7 ^{81.65} Tuff grey silicified brecciated with ^{20-45°} grt stringers ^{80.58} ^{78.29} 26 3/4 - 26 4/4 (grt stringer zone)	2975				Tr	0.02
		81.65 End.						
						Elev.		
		Hor comp end of hole @ 81.65 = 51.94 Elev. 58.41 - 59.63 37.15 - 37.93	63.00			1357.28m.		
		< 50.5				4507 - 46.01 137521 - 1374.27		

1501

Co-Ords: 4393.500 1395.182

The Agnes & Dennis Mining Co. Ltd.

Hole No. 79-74

Azimuth: 167° 32' 17"

Diamond Drill Record

Property: Erickson

Dip: -50° 47' 45"

Drill Type & Size:

Location: SSW m.e.

Tilt at 352' = 60°

True 52½°

Date Started: 2 Sept 79

Elevation: 1407.609

Date Completed: 5 Sept 79

Length: 110.09 m.

Logged By: Bobo

Section:

Date Logged:

Purpose:

Footage/Metres		Description	Sample No.	Footage/Metres		Length
From	To			from	to	
0	5	casing				
1.53	5 1/2	Tuff, dirty olive green				
5.05	16 1/2	Tuff, grey, 45° bedding on contacts				
6.27	20 1/2	Tuff, dirty olive green. Broken				
17.74	58 17.74	56.1-57 calcite crystals in fault void				
	58 1/2	Tuff green	25.23	25.38		
		Fragmental 82 1/2 - 83	25.69	84 - 87 ^{26.61}	Buff/green	
		29.66 97 - 99 ^{30.28}				
		30° gtz slip. @ 97 1/2 - 98.82				
		Colour changes to buffy green after 86 26.30				
		Fragmental 110 - 119	33.64	36.34		
		2" gtz 181.7 30° ± carbonate at 114 1/2 - 35.02				
41.59	42.35	Shear 34.80 - 35.47 oxidized fractures				
43.12	47.38 1/2	Qtz-carbonate vein 20° lower contact.				
	47.71	Tuff Grey, siliceous with ~40° gtz stringers				
	47.71 156 - 4"	gtz vein ~90° to c.a.				
	49.24 161	Rusty fractures				
	50.76 166 - 51.07	Fault with calcite crystals				
	52.91 172 - 53.35 1/2	Qtz carb. veining 45° to c.a.				
	52.91 172 - 176 1/2 - 177					
	177 -					

79-74 (2)

Footage/Metres		Description	Sample No.	Footage/Metres		Length	Au	Ag
From	To			from	to			
53.21	174	176 ^{1/2} 53.82	Altered black argillaceous rocks with mariposite (laminations) bedding 65° to c. a.					
53.82	176	175 ^{1/2} 53.82	Tuff whitish - 30° contact with					
54.59	178 ^{1/2}	178 ^{1/2} 54.59	Altered black argillaceous rock -					
55.86	183	256 78.29	Tuff onflow mottled buffs/greens oxidized very minor gtz stringers. Fragmental 66.67-73.70 318-241					
	203	204 ^{1/2} 62.08	Gtz vein - split 10" 62.54	# 3201		0.018	0.04	
	230'	- 4"	- 35° gtz / carb vein	8" black specks. # 3202		0.016	0.127	
	241'	40° lineations				0.024	0.145	
	256	360	Rock intersected from 236' 72.11					
78.29	110.09	360	Tuff grey, siliceous black streaks prob. 40° lineations minor 45° gtz stringers					
	79.51	260	3" 40° gtz vein - carb.					
	91.44	299-314	Fine grained no streaks sub parallel py streaks					
	100.31	328 - 360	Many gtz stringers & veins, wavy 30° in places Dark grey. possibly some argillaceous streaks.					
	109.48	358 - 360	Open, ful pyrite crystals Lost core out of tube picked up in rods.					
	109.17	357 - 358	Open fracture calcite crystals					
	108.86	355 - 356	Tuff with 1 1/2 30° gtz vein py crystals. 3203			0.024	0.45	
	108.87	357						
	Comp at end of hole. 108.87	40.40	H.R.	Vert.	Elev.			
	Vein. 62.08 - 62.54	38.43 - 38.72		85.50	1322.11			
	25 x 51.75°			48.75 - 49.11	1358.86 - 1358.50			

1501

Co-Ords: 4245,922 2062,146

Azimuth: 178° 37' 07"

Dip: -53°

True at 316' = 61 1/2°

Elevation: 1442.074

Length: 96.34 m.

Section:

Purpose:

The Agnes & Dennis Mining Co. Ltd.

Diamond Drill Record

Hole No. 79-75

Property: Erickson

Drill Type & Size:

True 5.30

Location: F.G. 2 mi.

Date Started: 6 Sept 79

Date Completed: 9 Sept 79

Logged By: Batel

Date Logged:

Footage/Metres		Description	Sample No.	Footage/Metres		
From	To			from	to	Length
0		casing				
20 ^{6.10}	32 ^{9.76}	Argillite black fault 34-36				
32 ^{9.76}	70 ^{21.34}	Argillite with light bands - generally greyish. bedding 42/1180 45° 66 20.12- 40°				
70 ^{21.34}	74 ^{22.56}	Argillite with much light material - Tuff/Arg.				
74 ^{22.56}	88 ^{26.83}	Argillite - graphitic sl. is light & dark.				
88 ^{26.83}	95	Contact Fault.				
88 ^{26.83}	94 ^{28.66}	Tuff/Arg altered mariposite banded. Could be vein zone. banded 60° to c.a.				
94 ^{28.66}	146 ^{44.51}	Tuff. buff with 1/4 - 1/2" gr. stringers: widely spaced 20° grad. changes to pale buff/green at approx around 120'. 36.59				
		42.99/141 - 142 ^{43.29} Sandy altered rock				
		42.99/141 - 146 ^{44.51} Generally altered softer.				
44.51	146 ^{44.51}	Sandy fault gouge.				
47.71	156 1/2 ^{47.71}	Volcanic - andesite green 156 1/2 ^{47.71} contact. 65°				
47.71	161 ^{49.09}	Tuff green grey becomes lighter coloured down hole.				
161 ^{49.09}	167 ^{50.91}	Altered talc tuff, light greys & talc greens banding 60°				

1501

79-75'.

2

750

Co-Ords: 4384.204 1702.699

Azimuth: 179° 50' 54"

The Agnes & Dennis Mining Co. Ltd.

Diamond Drill Record

Hole No.

79-76

Dip: -50 49° 50' 38"

True at 250' = 61½° : 536' 60°

Drill Type & Size:

True. 250' = 53½° 536' = 52½°

Elevation: 1406.181

Length: 536' 163.41m.

Section:

Purpose:

Location: SNO no.

Date Started: 9 Sept 79

Date Completed: 13 Sept 79

Logged By: Botil

Date Logged:

Footage/Metres		Description	Sample No.	Footage/Metres		
From	To			from	to	Length
0	42 ^{12.80}	Argillite very black.				
42 ^{12.80}	≈ 62 ^{18.90}	Argillaceous Tuff. greyish				
62 ^{18.90}	86 ^{26.21}	bedding 48' - 40° to c.a. Tuffaceous Argillite - dark. 18.90 62' - 60°				
86 ^{26.21}	110 ^{33.53}	21.03 69' - 71 ^{21.64} Sulfidic with very fine py. 20.12 66' - 73 ^{22.25} Breccia frags.				
110 ^{33.53}	123 ^{37.64}	Argillaceous tuff grey/black. or Tuff argillite is finer grained				
123 ^{37.64}	123 ^{37.64}	Tuff with dark sections. pale green/grey with dark bltches 36.88 121 - 37.19 Vuggy 36.58 120' - ≈ 60° bedding?				
123 ^{37.64}	136	Argillaceous Tuff greys				
136	156 ¹	Tuffaceous argillite some tuff frags				
156 ¹	159 ^{1.3}	sil (156 ¹ -159 ^{1.3}) fine py				
159 ^{1.3}	194	Argillaceous tuff fragmental pale grey/green - black				
194	210	around frags				
210		Tuff pale green/grey. little black.				

7501

Footage/Metres		Description	Sample No.	Footage/Metres			Length	Au	Ag
From	To			from	to				
64.01	68.88								
210	226	Arg/Tuff fragmental - fine Chalcopyrite " silicified bedding $218^{\circ} 66.45^{\circ} 50^{\circ}$ Section has many $1/16$ - $1/8$ " Qtz stringers dipping 40° against bedding. becomes almost pure Argillite after 226 68.88							
68.88	70.32								
226	234	Argillite - massive solid few fine tuff frags \approx mm.							
71.22	78.64								
234	258 ²	Argillite - Talc - appears to be a gradual quick change to talc material. bedding $60^{\circ} - 45^{\circ}$ 69.49 $228^{\circ} = 55^{\circ}$; $248 - 45^{\circ}$ This is a gradational change							
78.64	80.92								
258	265 $1/2$	Argillite massive bedding 55° contact with Tuff 65° conformable; sharp							
80.92	95.40								
265 $1/2$	313	Tuff grey/green pale silicified $279 - 280\frac{1}{2}$ grey $282\frac{1}{2} - 284$ 86.04 86.50 86.11 86.56 altered soft $286 - 298$ 92.05 92.35 87.17 90.83							
95.40	96.01								
313	315	302 - 303 Qtz vein 35° to c.a. poss minor tetrahedrite + dark py or pyrrhotite. Dark grey silicified section.							
95.40	123.14								
313	404	Flow or tuff greens, mottled. Becomes less mottled after Fault mud 105.46 $341^{\circ} - 347$ 105.77° , 350 also becomes greyer.							
123.14	128.93	106.2° $348\frac{1}{2}$ $1/2$ " 30° Qtz vein 115.04 $377\frac{1}{2}$ $1/2$ " 314° 20° "							
404	423	Tuff pale buff - looks similar to 313 except colour. 418-419 Py in 15° fractures.							
128.93	136.55								
423	448	Tuff or flow green/grey - see 313-404 little mottling gradational contacts may be fracture zone.							

7501

79-76

3

Co-Ords: 4233.283 1739.107

Azimuth: 181° 42' 37"

The Agnes & Dennis Mining Co. Ltd.

Diamond Drill Record

Hole No. 79-77

Dip: -53

True at 200' = 62 1/2° : at 396' = 64°

Elevation: 1414.559

Length: 120.43 m

Section:

Purpose:

Drill Type & Size:

True 200' = 55° 396' = 57 1/2°

Location: F.G. 1 m.c.

Date Started: 14 Sept 79

Date Completed: 17 Sept 79

Logged By: Boti O

Date Logged:

	Footage/Metres	Description	Sample No.	Footage/Metres	Length
	From	To		from	to
8.84	0	over casing			
8.84 - 13.11	29	Argillite black			
13.11 - 29.88	43	Argillite - becoming more tuffaceous in light bands bedding 47° 14.33 - 35° 57° 12.38 - 50° 75° 22.87 - 40° 85° 25.91 - 50° 98° 29.88 - 55° contact.			
29.88 - 36.59	98	Arg. Tuff grey.			
36.59 - 37.50	120	Argillite			
37.50 - 39.94	123	Arg. Tuff grey 131 - fault.			
39.94 - 41.46	131	Argillite			
41.46 - 42.68	136	Arg Tuff			
42.68 - 60.98	140	Tuff grey soft for first 15' 49.09 161 - 200 fine dark fragmental. 50.91 167 -			
60.98 - 68.90	200	Tuff / Arg. dark, py cubes - poss alteration product 140-200 64.33 211 - 215 Altered soft - poss fault zone.			
68.90 - 73.48	226	66.77 219 - 226 Tuff buff.			
73.48 - 100.30	241	Talc argillite or talc black altered tuff? Same as in other holes bonding 65°			
	241	Tuff - buff grey to green-grey (279) to flow-green 28.91 249 - 253 71.13 Altered soft, fractured. silicified, grey 291 - 294 88.72 - 89.63			

1501

79-27

2

Co-Ords: 4333.283 - 1739.107

The Agnes & Dennis Mining Co. Ltd.

Hole No. 79-78

Azimuth:

Diamond Drill Record

Property: Erickson

Dip: $-73\frac{1}{2}$

Drill Type & Size:

Location: F.G. 1 m.c.

True at $225^\circ = 78\frac{1}{2}^\circ$; $475^\circ = 79\frac{1}{2}^\circ$ True $225^\circ = 74^\circ$ $475^\circ = 76^\circ$

Elevation: 1414.559

Date Started: 17 Sept 79

Length: 475' 144.82m

Date Completed: 20 Sept 79

Section:

Logged By: Bould

Purpose:

Date Logged:

Footage/Metres From	To	Description	Sample No.	Footage/Metres			Length
				from	to	Length	
0		casing					
9.45 - 11.89	31	Grey tuffaceous argillite bedding 50° to e.a.					
11.89 - 19.82	39	Black argillite with tuffaceous fragments & bands bedding					
19.82 - 52.13	65	19.21-63' - 55° Grey tuff with argillite soft					
	51.83	45.02 - 51.83 $50.30-165 + 170-51.83$ fault gouge					
	148-170	almost white					
	167-170	50.91 - 51.83 Large fragments with gtb eyes					
	52.13-171	52.13-171 " 4" 40° white gtb vein.					
52.13 - 60.98	171	Tuff grey harder fragmental.					
	200	midon 45° gtb stringers					
60.98 - 66.16	200	Tuff dark grey lappili or fine fragmental.					
	217	orange 45-55-b gtb stringers. 200 - 217					
	211	64.83 - 211 - Fault gouge. 60.98 - 66.16					
	66.16	217 - Broken - fault.					
66.16 - 69.51	217	Tuff? black altered section to laminated, marl/pelite					
69.51 - 71.65	228	gtb stringers. Sometimes alongside vein in other holes					
5 - 79.57	228	Lighter coloured but still part of above.					
	235	Tuff buff, pale greens, faulted parallel to core to 261 79.57					
	261						

1501

Footage/Metres		Description	Sample No.	Footage/Metres		Length	Au	Ag
From	To			from	to			
29.57 - 91.77	261 - 301	Tuff or flow green, hard.						
91.77 - 98.02	301 - 321 1/2	Tuff greys silicified fragmented.						
98.02 - 117.07	321 1/2 - 384	Flow or Tuff greens 364 - 365 110.98 - 111.28 - clay alteration						
117.07 - 127.74	384 - 419	Tuffs, - greys silicified fragmented. 40° contact top.						
127.74 - 133.23	127.74 - 419	Fault - mud.						
133.23 - 133.38	419 - 427	Tuffs altered bleached.						
133.38 -	427 - 437 1/2	Leached zone.						
133.54	437 1/2 - + 5 1/2"	Qtz. v. gold. & sphalerite, chalcopyrite, minor tetrahedrite	3221			11.799	2.05	
133.64 - 138.11	438 - + 4 1/2"	Qtz. Chalcopyrite, sphal'.	3222			0.121	0.30	
138.11 - 138.26	438 1/2 - 453	Gray/white altered zone. - talc fractures. 137.80 - 138.11						
138.26 - 138.49	452 - 453	Part of altered zone - mariposite tr. tetra.	3225			0.006	0.27	
138.49 - 138.72	453 - 453 1/2	Qtz vein & mariposite and odd specks gold.	3223			0.547	0.49	
138.49 - 140.55	453 1/2 - + 9"	White Qtz vein mariposite, 2 flocks gold. (454 1/3") lower contact 40°	3224			1.044	0.59	
140.55 - 140.85	454 1/3" - 455"	Altered zone with mariposite tr. tetrahedrite	3501			0.013	0.20	
140.85 - 144.82	454 1/3" - 461	Darker altered zone. as (438 - 453) 138.54 - 138.11						
144.82 - 145.82	461 - 462	Vein Dy/ce.						
145.82 - 146.82	462 - 475"	Tuff or flow greens, so minor buff colour						
144.82 - 475" End.								
		Hor.	Vert.					
		37.48	139.89					
		34.52 - 34.56	128.84 - 128.99					
		34.56 - 34.59	128.99 - 129.09					
		35.75 - 35.78	133.47 - 133.55					
		35.78 - 35.84	123.27 - 133.77					

1501

Co-Ords: 4426.298 1653.337

Azimuth: 181° 53' 26"

The Agnes & Dennis Mining Co. Ltd.

Diamond Drill Record

Hole No. 79-79

Dip: 45° 11' 48"

Drill Type & Size:

Testat 200 = 62½ ; 400 = 63° ; 598 = 64½ Total 200 = 55° 400 = 55½° 598 = 58°

Elevation: 1399.401

Location: SUN m.s.

Length: 598' 182.32

Date Started: 21 Sept 79

Section:

Date Completed: 30 Sept 79

Purpose:

Logged By: Batal

Date Logged:

Footage/Metres		Description	Sample No.	Footage/Metres	Length	Au	Ag
From	To			from	to		
0	30	casing					
30	91.5	Grey tuff or volcanic with aragonite fine py. plentiful	10.98	35½ - 36			
39	11.89	Grey tuff or flint with black alteration. Fine py. plentiful	3503			0.008	0.12
39	66.20.12	Grey tuff or flint with black alteration. Fine py. plentiful					
66	20.12	Grey volcanic? homogeneous. pyroclastic blocks	24.70	81 3/4 - 24.92			
91	27.74	Grey volcanic? with white altered feldspars & fragments	3504			Tr	0.02
101	30.79	Grey volcanic? with white altered feldspars & fragments					
101	30.79	Grey volcanic? with black alteration.					
174	205	Grey volcanic? with breccia fragments					
		Fault c15° fac.a at 197 60.06					
205	242	Grey volcanic-tuff - slightly silicified					
242	251	Dark grey tuff with fragments. talc-slip	80.79 - 81.71				
251	275	Talc tuff or argillite becomes very intense at 265 - 268 Grades quickly into green/grey tuff. - laminated 70°					
275	285	Tuff green/grey					
285	311	Tuff silicified, streaked, grey + dark grey					
307		Fault zone	112.50 - 115.55				
94.82	311 - 313	95.43 30% recov	369 - 379	85%			
95.43	313 - 313 1/2	95.58 mud					
95.58	313 1/2 - 315	96.04 40%					
96.04	315 - 321 1/2	97.77 80%					
97.77	321 1/2 - 327	99.70 80%					
99.70	327 - 334 1/2	101.98 90%					
101.98	334 1/2 - 345	105.18 95%					
105.18	345 - 346	105.49 90% brce.					

-150-

Footage/Metres		Description	Sample No.	Footage/Metres		Length	Au	Ag
From	To			from	to			
94.82 - 96.04								
96.04 - 123.32								
311	315	Broken Tuff block alteration						
315	404 1/2	Tuff grey/green in places altered black or brownish 104.73 343 1/2 - 345 1/2 black alteration - semi // Qtz stringers Qtz veins 105.18 345' - 2" low angle. 106.71 350 - 4" 20° 350 - 350 1/2 3507 108.69 356 1/2 2" 20° 113.72 - 114.02 373 - 374 1/2" 0° 114.94 377 3" 45° 118.90 390 1" 50° plus py on both sides 119.21 - 119.51 391 - 392 1/2" 0°	3506			0.008	0.27	
		99.09 325 - 331 100.91 soft, broken						
		109.15 358 - 359 1/2 109.60 fragmental						
		111.89 36.7 - 371 113.11 broken - black alteration						
		123.17 404 broken - shattered						
123.32 - 128.51	404 1/2	421 1/2 Tuff grey silicified shattered. (fault) Recov. 65-70%						
128.51 - 135.82	421 1/2	Laminated tuff. dark grey to black to bleached. mariposite minor Qtz stringers (Tuff (Arg?)) laminations very avg 60°-65° 130.79 - 131.71 429 - 432 80% 134.76 - 136.28 442 - 447 70% 130.64 28 1/2 - Qtz carb vein (black)						
135.82 - 145.12	445 1/2	476 1/6 Tuff greenish. dark alteration along fine fractures						
145.12	476	Fault. 140.55 471 - 3" Qtz (black)						
145.12 - 151.22	476	496 Tuff green very little dark alteration						
151.22 - 151.42	496	496 2/3 Qtz vein 5" 30° to c.a. some dark banding. 3508					0.009	0.11
151.42 - 182.32	496 2/3	598 Tuff greenish green spots from 502 - 532 soft white 45-50° veinlets on fractures Qtz stringers start at 519 153.05 minor mariposite Core shattered after 529 161.28						
		161.28 529 - 532 164.02 70%						
		161.28 529 - 531 161.89 Shattered Qtz stringer section					0.003	0.16
		162.53 533 - 535 163.11 Recov. 60%						
		163.14 536 - 536 1/2 25° Qtz vein 163.5"					Tr	0.10

Sheet No....

7501

Footage/Metres		Description	Sample No.	Footage/Metres		Length	Au	Ag
From	To			from	to			
		538 - 539 1/2 Recov.		65%				
		542 1/2 - 545 1/2 "		75%				
		546 - 548 "		25% Qtz-pebbles (cave?)				
		548 - 549 1/2 "		90%				
		549 1/2 - 554 "		80%				
		554 - 565 "		15% Tube didn't break				
		565 - 571 "		85%				
		571 - 577 "		85%				
		577 - 580 "		20%				
		580 - 587 "		75%				
		587 - 591 "		90%				
		591 - 598 "		90%				
165.40 - 165.85	542 1/2	Qtz-vein predom white minor chalco & sphalerite	3509	75% recov.	3509		0.569	0.73
165.85 - 166.31	544	Qtz-vein "	3510	"	3510		0.018	0.32
178.05 - 178.96	584	Qtz/Tuff mixed prob. 30% Qtz-	3513		3513		0.1010	0.16
166.46 - 167.07	546	Qtz pebbles at start prob. cave from Qtz vein.	3514		3514		0.006	0.35
167.07	548	Qtz pebbles at start - also prob. cave.	3515		3515		0.010	0.37
<p>This hole entered fault at 307 and followed fault intermittently to bottom. Hole was cemented.</p>								
<p>From 528 to bottom (598) Core is broken</p>								
Components. 182.32		HOR.	Vert.	Elev.				
Vein. 165.40 - 165.85		112.25	143.67	1255.73				
165.85 - 166.31		101.83 - 102.11	130.34 - 130.69	1269.06 - 1268.71				
$\approx 52^\circ$		102.11 - 102.39	130.69 - 131.05	1268.71 - 1268.35				
<p>Hole steepened 10° in first 200'</p>								

7501

Co-Ords: 4181.825

1680.404

Azimuth: 179° 58' 31"

The Agnes & Dennis Mining Co. Ltd.

Hole No. 79-80

Dip: 60° 24' 56"

Drill Type & Size:

Test at 327' is 73°

Truc. 68°

Elevation: 1478.620

Length: 327' 99.70 Component.

Hor

Vert

Elev.

Section: $\approx \times 64^\circ$ Contact 77.74

43.71

89.61

1389.01

Purpose:

34.08

69.87

1408.75

Location: F.G. 1 m.

Date Started: 21 Sept 79

Date Completed: 22 Sept 79

Logged By: Botel

Date Logged:

Footage/Metres		Description	Sample No.	Footage/Metres	Length	Au	Ag
From	To			from	to		
6.10	65.55	casing					
20	215	Arg. Tl. G.					
		bedding 35'	10.67				
		25.15 25.91	17.68 58'				
		thinly laminated 82 1/2 - 85	greyish 25.61 84'				
		34.15 1/2	35.98 "	35.06 115'	70°		
		fragments 30.18 99 - 132°	36.59 120 42.68	folded, contorted 0° - 70°			
		Fault 65.95 216'	44.21 145 - 165°	massive - in bedding			
			56.71 186'	65°			
			60.98 200	45°			
		lighter colored (white) frags/bands 185 - 56.40					
		Grades into talcy arg. at 215 65.55					
65.55 - 69.51	215	Argillite talcy					
		22.29 - 68.60% Light grey volc. or dyke.					
		Breaks into highly chloritized rock with white veinlets at \approx 229	69.82				
69.51 - 77.74	229	Chloritized (serpentinized?) argillite? talcy					
77.74 - 89.33	255	Breaks into 1					
	293	Bleached altered rock, soft, talcy slips.					
		291 12" marcasite + quartz - contact with tuffs.	3502			Tn	Tn
		88.72 total - 3" gsz.					
133 - 99.70	2						
	293	Tuff, light green, fragmental. Top 0.61 feet altered					

Co-Ords: 4156.110 1713.352

Azimuth: 190° 07' 29"

Dip: 69° 11' 33"

True at 280' = 74°

Elevation: 1475.477

Length: 85.37

Section:

Purpose:

The Agnes & Dennis Mining Co. Ltd.

Diamond Drill Record

Hole No. 79-81

Property: Erickson

Drill Type & Size:

True. 69°

Location: F.G. 1 m.c.

Hor.

Vert

Elev

79.70

1395.78

Component 30.59

58.92

1416.56

Contact 23.11 22.62

Date Started: 23 Sept 79

Date Completed: 27 Sept 79

Logged By: Botel

Date Logged:

Footage/Metres		Description	Sample No.	Footage/Metres	Length	Au	Ag
From	To			from	to		
12.20 - 20.73	20.73	casing					
20.73 - 27.44	40	Argillite with light gray fragments bedding ± 45° varies					
27.44 - 29.57	68	Argillite more solid					
29.57 - 30.79	90	Tuffaceous, gray material bedding ± 30°					
30.79 - 36.28	97	Faulted argillite with gtf stringers					
36.28 - 37.50	101	Argillite w/ light grey fragments					
37.50 - 40.85	119	Argillite solid bedding = 40°					
	123	Argillite with tuffaceous bands solid 1" " some slumping					
40.85 - 50.61	134	Argillite fragmented					
50.61 - 63.11	166	Tuffaceous Argillite - laminated 65°					
	207	199 - 207 Talc y 187-199 soft. 60.67 - 63.11 51.62 - 60.67					
63.11	55.18	1" Q+2 stringer 1" 35°					
63.11 - 85.37	59.15	194' 2" " 35°					
	207	Contact with Tuff. 3" 50° gtf/calc gtf stringer	3516			0.006	0.36
	207	Tuff or shale, greenish/grey					
68.60 - 85.37	225	Few thin 1/4" - gtf stringer veins sub parallel to calc.					
	238	1/2" Q+2 stringer with arsenopyrite + chalco-miner.	3517			0.040	0.46
		280 End.					
		53.37					