

DIAMOND DRILLING REPORT
ON THE
ELAN 1 GROUP
.....

CASSIAR DISTRICT
LIARD MINING DIVISION, BRITISH COLUMBIA.

OWNERS : Erickson Gold Mining Corp.
Stanley Case, Wopaco Agencies
Limited.

OPERATOR : Erickson Gold Mining Corp.

WORK DONE ON : Elan 2 (20 units) M.C.

WORK PERFORMED : July 15th, 1983 to August 2nd, 1983.

LOCATED : 59° 17', 129° 45' W, NTS Map
104P/5, approximately 6 km east
of Cassiar on the north side of the
Cassiar highway.

PREPARED BY : Richard Basnett, Geologist.
Logs by Alfred Stewart, Geologist.

DATE : July 30th, 1984.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

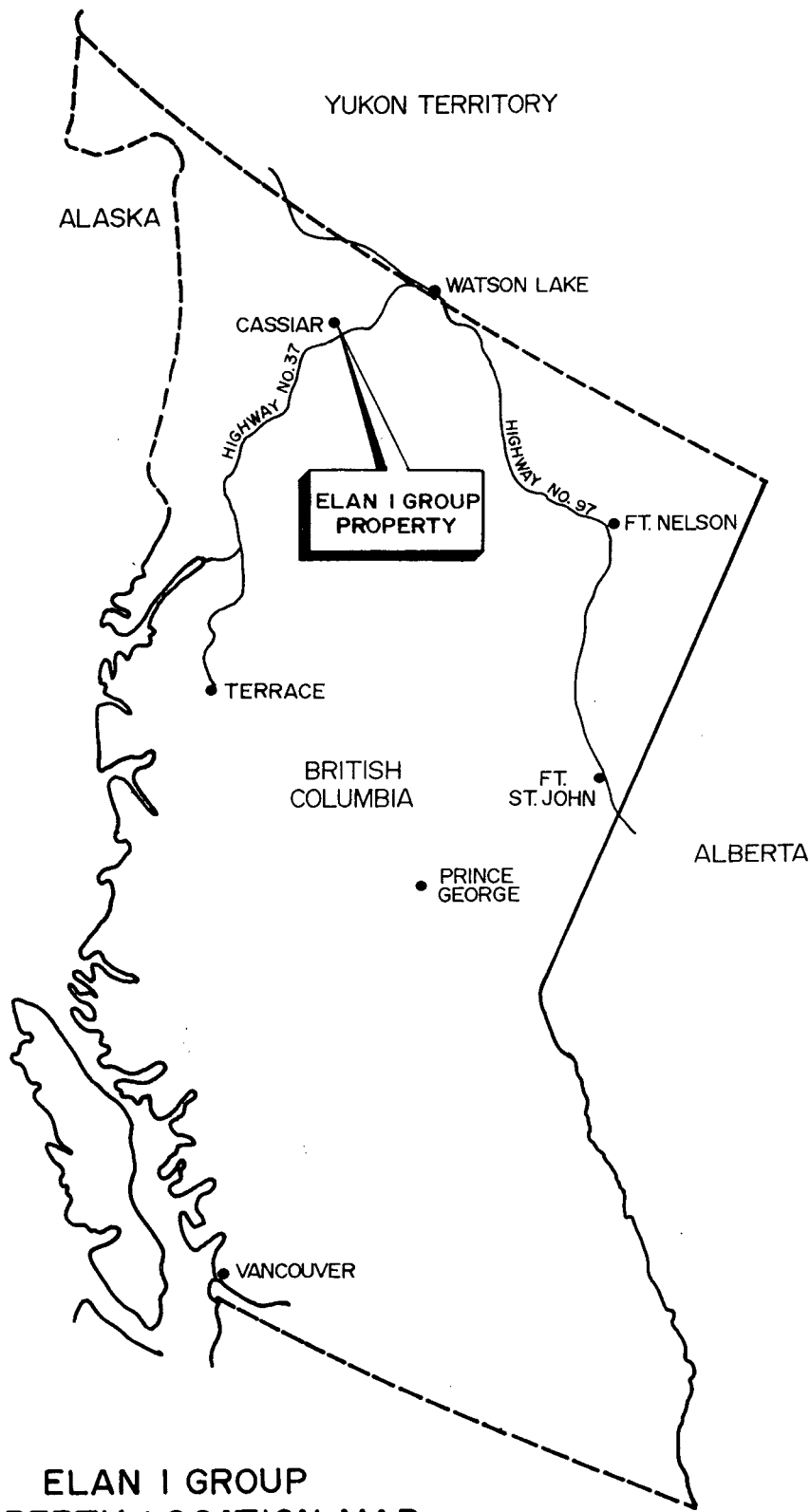
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**ELAN I GROUP
PROPERTY LOCATION MAP**

ERICKSON GOLD MINING CORP.

R. BASNETT

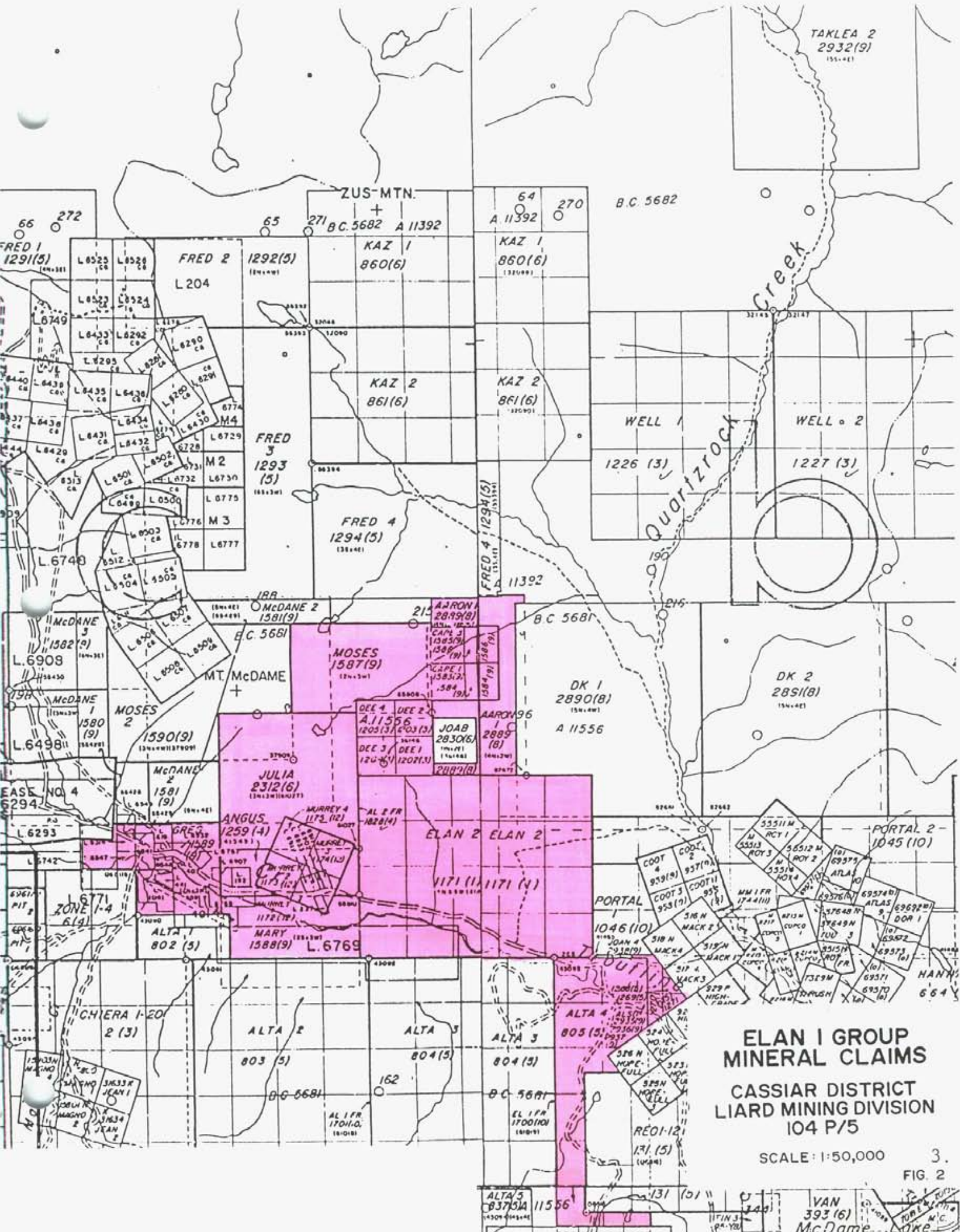
JULY 1984

FIGURE I

SCALE 1:8,000,000

0.0 Elan 1 Group

<u>Claim Name</u>	<u>No. of Units</u>	<u>Record Number</u>	<u>Record Date</u>	<u>Owner</u>	<u>FMC #Issued</u>
Alta 4	12	0805	31 May 79	Wopaco Agencies Limited	266050
Elan 2	20	1171	30 Jan 80	Stanley Case	266382
Murrey 1	1	1172	6 Dec 79	" "	"
Murrey 2	1	1173	" " "	" "	"
Murrey 3	1	1174	" " "	" "	"
Murrey 4	1	1175	" " "	" "	"
Dee 1	1	1202	12 Mar 80	Stanley Case	266382
Dee 2	1	1203	" " "	" "	"
Dee 3	1	1204	" " "	" "	"
Dee 4	1	1205	" " "	" "	"
Add 1	1	1268	16 May 80	Erickson Gold Mining Corp.	264216
Add 2	1	1269	" " "	" "	"
Add 3	1	1270	" " "	" "	"
Add 4	1	1271	" " "	" "	"
Angus	3	1259	18 Apr 80	" "	"
Cape 1	1	1583	10 Sept 80	" "	"
Cape 2	1	1584	" " "	" "	"
Cape 3	1	1585	" " "	" "	"
Cape 4	1	1586	" " "	" "	"
Moses	6	1587	9 Sept 80	" "	"
Mary	6	1588	" " "	" "	"
Greg	6	1589	" " "	" "	"
Moses 2	12	1590	" " "	" "	"
EllFR	1	1700	23 Oct 80	" "	"
Julia	9	2312	28 Jun 82	" "	"
Aaron 1	8	2889	8 Aug 83	" "	"

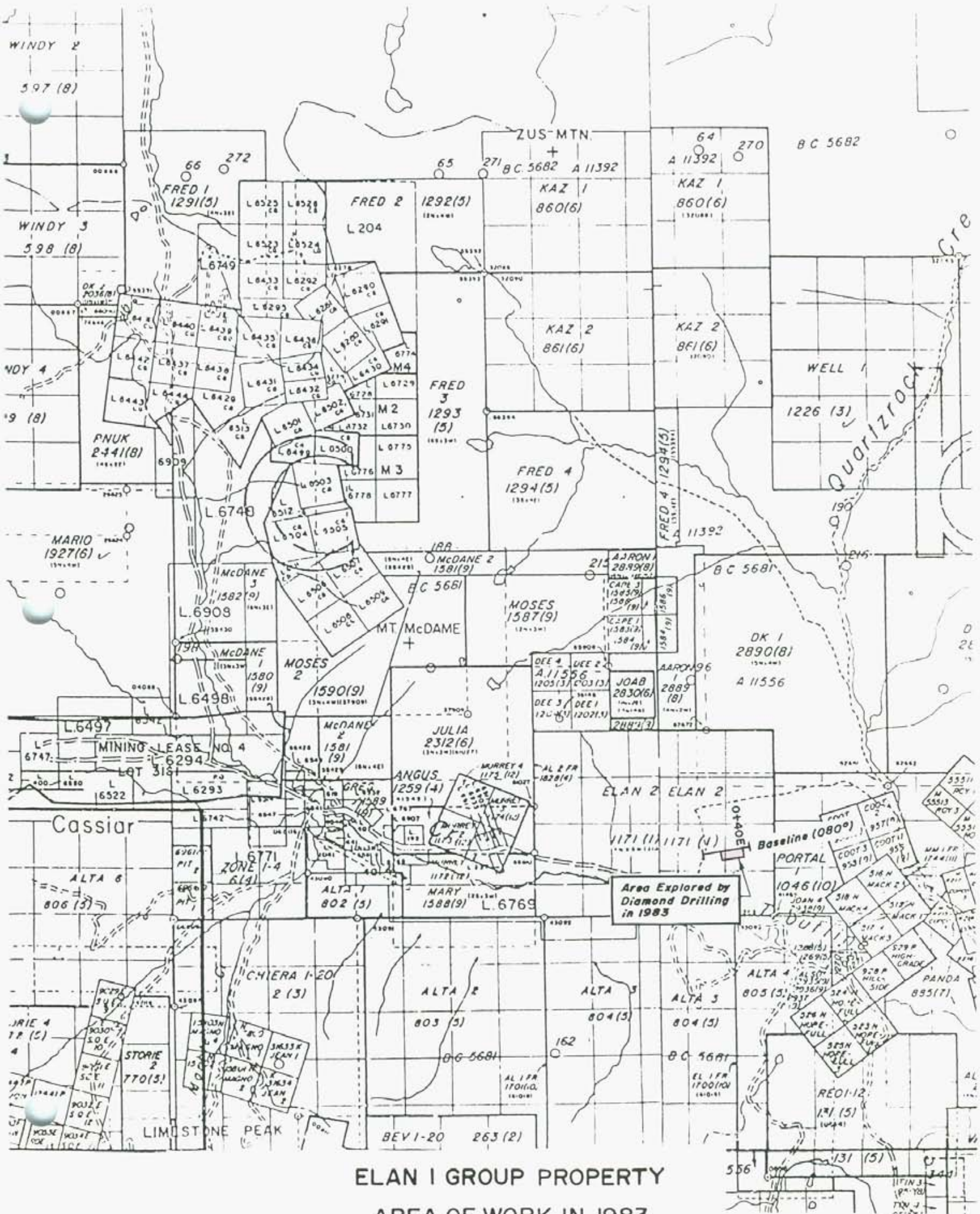


**ELAN I GROUP
MINERAL CLAIMS**
CASSIAR DISTRICT
LIARD MINING DIVISION
104 P/5

SCALE: 1:50,000

3.
FIG. 2

ALTA 5 837(5) 11556
VAN 393(6)
McDane Lake



ELAN I GROUP PROPERTY
 AREA OF WORK IN 1983

SCALE: 1:50,000

1.0 Introduction

This report describes the results of a nineteen day diamond drill program on the Elan 2 mineral claim. Maps showing the property location, claims, area of diamond drilling and location of drill collars are included. Drill logs complete with assay results are located in the appendix.

2.0 Location and Access

The property is located in northern British Columbia, 4 km east of the town of Cassiar. The geographic co-ordinates are 59° 17' north, latitude and 129° 47' west, longitude.

Access is by road from Watson Lake, Yukon Territory, which is approximately 150 km to the NNE of the property or from Kitwanga which is 655 km south. The Cassiar Highway cuts across the southern boundaries of Angus, Murrey land 2, the Greg and Elan 2 mineral claims.

3.0 History

The Cassiar District has been prospected since the 1800's and the interest was stimulated after 1874 when placer gold was first discovered on McDame Creek. Because the town of Cassiar is only 4 km from Elan 1 Group, the property has undoubtedly been staked a number of times in the latter half of this century but, other than the blazes left from staking, there is little evidence of previous work on the Angus Group.

3.0 History cont'd

In January 1980, the Elan 2 Claim was staked by prospectors John Hope and Stanley Case. After successful trenching of a silver bearing quartz vein, the Elan 2 Claim and Dee 1-4 claims were optioned by the Agnes and Jennie Mining Co. Ltd.

The Mary, Greg, Moses, Moses 2 and Cape 1-4 Claims were staked in August, 1980 for The Agnes and Jennie Mining Co. Ltd. and in October, 1980 the El 1 Fr was staked for AJM Explorations Limited.

In September and October of 1980, 931.9 m of BQ diamond drilling were drilled on the silver bearing zone in the quartz vein on the Elan 2. A soil grid, 400 m x 100 m was concurrently sampled while diamond drilling. During the 1981 field season this grid was extended to the west and north. A soil survey was also carried out on the Angus and Murrey 1-4 claims after they were purchased from Daniel McPherson by AJM Explorations Ltd. in 1981. The Julia Claim was staked in the spring of 1982 for AJM Explorations Limited.

In 1983 AJM Explorations Limited and Agnes and Jennie Mining Co. Ltd. became part of Erickson Gold Mining Corp., Add 1-4 was purchased from Plaza Mining Corp. and Aaron 1 was staked for Erickson.

3.0 History cont'd

Before the diamond drilling program started on the Elan 2 claim in 1983 an extensive trenching program was carried out to expose the vein so assays could be taken.

4.0 Summary of Work

Twelve holes were drilled numbered 83-E22 to 83-E33 for a total of 721.81 m of BQ core. A Longyear 38 drill was used with two 10 hour shifts per day. Drilling was supervised by Alfred Stewart and Richard Basnett (geologists).

5.0 Purpose

The purpose of the 1983 diamond drill program was to test the area east and west of the mineralized silver vein drilled in 1980 and to extend the mineralization to depth. The stratigraphic and structural positions of the quartz was to be studied. Drill holes were planned to intersect into the hanging wall and footwall of the known vein far enough to determine whether there are multiple veins.

6.0 Geology

The Elan 1 Group is underlain by greenstones, argillites and cherts of the Sylvester Group (Upper Devonian and Lower Mississippian in age) and sandstones and dolomites of the Sandpile Group (Ordovician, Silurian and (?) Devonian in age). The contact of the Sylvester Group and Sandpile Group is fault controlled running northwest-southeast through the western portion of the Elan 1 Group.

6.0 Geology cont'd

Underlying the area of diamond drilling on the Elan 2 mineral claim are greenstones (pillow andesites or basalts) and listwanite. A diabase dyke follows the same plane of weakness as the main quartz vein that strikes 080° and dips 65° - 85° south.

Mafic minerals in the andesites are now completely altered to chlorite, epidote and actinolite. Quartz, sericite and carbonate occupy what is thought to be relic feldspar grains. The pillow rims are five to ten centimeters wide and banded with dark green chlorite, epidote and calcite.

The diabase dyke is one to two meters wide, dark grey, with plagioclase laths poikilitically cutting pyroxene. Some areas of the dyke have been completely replaced by clay minerals and carbonate and quartz.

Listwanite is an altered ultramafic that is a coarse grained, green crystalline rock composed of carbonate, sericite, mariposite and quartz. The original nature of the rock is completely destroyed by alteration, and probably no original minerals are present.

The volcanic wall rock is altered within several meters around the tetrahedrite-silver vein. A carbonate-quartz-sericite pyrite alteration zone is 5-30 decimeters wide along the hanging wall of the vein. Carbonate-quartz and sericite intensely alters the volcanics along with 1 to 5 percent pyrite in disseminated cubes 1 to 3 mm diameter.

6.0 Geology cont'd

Mariposite is often found in the hanging wall of quartz stringer zones as well as in the hanging wall of the main silver vein.

7.0 Mineralization

Mineralization occurs in a dense, amorphous quartz vein between 1 and 5 m thick that strikes 080° and dips 65° to 85° south. Other than a few fractures developed along a fault zone paralleling the footwall contact with the dyke, the vein is absent of vugs and cavities.

Tetrahedrite-tennantite, sphalerite, pyrite and chalcopyrite are visible in the quartz. Excellent crystals of tetrahedrite-tennantite 2 to 10 mm long show tetrahedral development, are often coated with chalcopyrite and pyrite, and are associated with clusters of pyrite cubes and blonde sphalerite. Occasionally tetrahedrite follows and completely cements fracture lines or may be very finely disseminated along with pyrite. Varieties of the tetrahedrite-tennantite present contain copper, arsenic, antimony and silver.

A quartz stringer 50 m south of the main silver vein (in the hanging wall) appears to parallel the main vein and contains fine-grained disseminated pyrite and tetrahedrite as well as one speck of visible gold. This vein was intersected by hole number 83-E32 and was 0.3 m wide and graded 0.291 oz. au/ton and 0.45 oz. ag/ton.

8.0 Results and Interpretation

Of the twelve holes drilled eleven were drilled to intersect the main silver bearing quartz vein. All of these drill holes intersected the vein. The following table gives the thickness of the vein intersected and the composite Au and Ag assays.

<u>Hole Number</u>	<u>Intersection Width</u>	<u>Au (oz/ton)</u>	<u>Ag (oz/ton)</u>
83-E22	5.2 m	0.011	4.5
83-E23	1.8 m	tr	0.5
83-E24	3.3 m	tr	0.47
83-E25	2.0 m	tr	0.3
83-E26	5.3 m	tr	0.1
83-E27	1.6 m	tr	0.06
83-E28	3.4 m	0.025	0.13
83-E29	0.9 m	tr	0.03
83-E30	1.8 m	tr	0.06
83-E31	1.2 m	0.016	1.14
83-E32	1.7 m	0.01	0.02

Diamond drilling has shown that the quartz vein continues to the west and east as well as to depth of the area previously drilled in 1980 but the mineralization and silver values abruptly cut-off.

Hole 83-E33 was drilled to intersect twenty meters below the quartz stringer that contained visible gold in 83-E32 (0.3 m @ 0.291 oz/ton Au, 0.45 oz/ton Ag). 83-E33 intersected 0.2 m of quartz with pyrite and assayed 0.036 Au oz/ton and 0.56 Ag oz/ton. It appears that this stringer or stringer zone is continuous but narrow.

9.0 Conclusions

Drill hole 83-E22 intersected 5.2 m of quartz with sections well-mineralized as well as barren sections of the vein. One 0.5 m section ran 16.77 oz/ton Ag. Although this grade is very interesting the barren areas have reduced the economic potential of the vein considerably.

Holes 83-E20, 83-E21, 83-E25, 83-E27 and 83-E31 contained quartz with sections of 1-3 percent tetrahedrite with no appreciable amount of silver present.

The hanging wall stringer with gold encountered in 83-E32 appears to continue for at least 20 m down-dip although no gold was found in the down-dip position.

10.0 Cost Statement For Diamond Drilling on Elan 2 Claim

Diamond Drilling 721.81 m at \$72.28/m	\$52,173.50
Room and Board (5 men at \$50/day for 18 days)	900.00
Field Supplies	400.00
Drafting and Report Preparation	200.00
Vehicle - 18 days at \$50/day	900.00
Assaying : 122 rock assays for Au and Ag at \$18/sample	2,196.00
Geologist : July 15th, 1983 to August 2nd, 1983 \$150/day for 18 days	<u>2,700.00</u>
	<u>\$59,469.50</u>

Richard Basnett,
Geologist.

11.0 Statement of Qualifications

I Richard Basnett, of 5150 Fulwell Street, Burnaby,
B.C. do hereby certify that :

- 1) I am a graduate of the University of British Columbia B.Sc. 1975, a fellow of the Geological Association of Canada and a member of the Canadian Institute of Mining and Metallurgy. I have practised my profession for nine (9) years.

- 2) I am author of this report, which is based upon work under my personal supervision during 1983 on the Elan 1 property of Erickson Gold Mining Corp. near Cassiar, B.C.

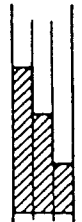
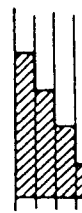
Respectfully submitted,



Richard Basnett,
Geologist.

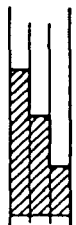
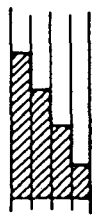
A P P E N D I X

AJM EXPLORATIONS LTD.
MINERALS SECTION
DRILL LOG

PROJECT <i>EL9D</i>	GROUND ELEV. <i>1249.668</i>		
HOLE No. <i>83 E 22</i>	BEARING <i>347°</i>		
LOCATION <i>0+60.0 W</i> <i>approx 0+17.5 m S of BL</i>	DIP <i>- 43.5°</i>		
	TOTAL LENGTH <i>29.2 m 95.80 ft.</i>		
LOGGED BY <i>ALF Stewart</i> <i>R. Bennett</i>	HORIZONTAL PROJECT <i>20.99 m</i>		
DATE <i>18 July 1983</i>	VERTICAL PROJECT <i>20.38 m</i>		
CONTRACTOR <i>DJ Drilling</i>	<p style="text-align: center;">ALTERATION SCALE</p>  <p style="margin-left: 20px;">absent slight moderate intense</p>		
CORE SIZE <i>BQ</i>			
DATE STARTED <i>July 15, 1983</i>	<p style="text-align: center;">TOTAL SULPHIDE SCALE</p>  <p style="margin-left: 20px;">traces only < 1% 1% - 3% 3% - 10% > 10%</p>		
DATE COMPLETED <i>July 16, 1983</i>			
DIP TESTS <i>@ 96 ft. 44.8°</i>			
COMMENTS	H	V	
	<i>0-48' 0-14.63m = 14.63m @ -43.5°</i>	<i>10.61</i>	<i>10.07</i>
	<i>48'-95.8' 14.63m - 29.2m = 14.63m @ 44.8°</i>	<i>10.38</i>	<i>10.31</i>
	<i>20.99</i>	<i>20.38</i>	
	LEGEND		

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au		COMPOSITE ASSAY
					oz/ton	oz/ton	
minor cubical pyrite disseminations at pillow margins - very thin							
		10					
17.8-18.1 pyritic andesite		17.8-18.1	.3	D1864	.042	.05	
18.1-23.2 Qtz vein sampled		18.1-18.5	0.4	D1865	.034	12.64	5.2m @ .011, 4.5
NW contact is mineralized, sp 2%		18.5-19.3	0.8	D1866	tr	.24	
in heavy patches of tetra 10-15%		19.3-19.8	0.5	D1867	.016	16.77	
pyritic wallrock inclusions, only		20					
1st stage of givng evident, abrupt		19.8-20.7	0.9	D1868	.032	2.3	
change to bull Qtz @ 18.5, @ 19.3		20.7-21.2	0.5	D1869	tr	5.56	
abrupt change to coarse		21.2-21.9	0.8	D1870	tr	.21	
dissem blotches of tetra (10-20%)		21.9-22.7	0.8	D1871	tr	6.12	
and sphalerite (5%), banding of sulphides (minor) @ 55% to		22.7-23.2	0.5	D1872	tr	.11	
clg & some ll fracturing good							
core recovg, lost core							
between 21.9-22.3 50% rec			2.3				
Lg. pyritic wallrock fragment		23.2-23.8	0.6	D1873	tr	.12	
20.1-20.5 m - some gouged							
sulfide - may be poor rec							
here - poss. some pyrite lost							
heavy tetra from 20.7-21.2							
and from 21.9-22.7, bull							
Qtz from 21.2-21.9 m							
and 22.7-23.2							
23.2-23.8 pyritic stringer							
zone sampled							

AJM EXPLORATIONS LTD.
MINERALS SECTION
DRILL LOG

PROJECT <i>Elan</i>	GROUND ELEV. <i>1249.668</i>																
HOLE No. <i>83 E 23</i>	BEARING <i>347°</i>																
LOCATION <i>L 0+60 W</i> <i>approx. 0+17.5m S of BL.</i>	DIP <i>-65°</i>																
	TOTAL LENGTH <i>43.0</i>																
LOGGED BY <i>Alf Stewart</i>	HORIZONTAL PROJECT <i>17.92 m</i>																
DATE <i>July 18, 1983</i>	VERTICAL PROJECT <i>39.09 m</i>																
CONTRACTOR <i>DJ Drilling</i>	ALTERATION SCALE  <ul style="list-style-type: none"> absent slight moderate intense 																
CORE SIZE <i>BQ</i>																	
DATE STARTED <i>July 16, 1983</i>	TOTAL SULPHIDE SCALE  <ul style="list-style-type: none"> traces only < 1% 1% - 3% 3% - 10% > 10% 																
DATE COMPLETED <i>July 17, 1983</i>																	
DIP TESTS <i>@ 43.0 m 65.75</i>																	
COMMENTS <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;"></td> <td style="width: 15%; text-align: center;"><i>Lat.</i></td> <td style="width: 15%; text-align: center;"><i>Dip.</i></td> <td style="width: 30%;"></td> </tr> <tr> <td><i>0 - 21.5m 21.5 @ 65°</i></td> <td style="text-align: center;"><i>9.09</i></td> <td style="text-align: center;"><i>19.49</i></td> <td></td> </tr> <tr> <td><i>21.5 - 43.0m 21.5 @ -65.75°</i></td> <td style="text-align: center;"><i>8.83</i></td> <td style="text-align: center;"><i>19.60</i></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;"><u><i>17.92</i></u></td> <td style="text-align: center;"><u><i>39.09</i></u></td> <td></td> </tr> </table>		<i>Lat.</i>	<i>Dip.</i>		<i>0 - 21.5m 21.5 @ 65°</i>	<i>9.09</i>	<i>19.49</i>		<i>21.5 - 43.0m 21.5 @ -65.75°</i>	<i>8.83</i>	<i>19.60</i>			<u><i>17.92</i></u>	<u><i>39.09</i></u>		LEGEND
	<i>Lat.</i>	<i>Dip.</i>															
<i>0 - 21.5m 21.5 @ 65°</i>	<i>9.09</i>	<i>19.49</i>															
<i>21.5 - 43.0m 21.5 @ -65.75°</i>	<i>8.83</i>	<i>19.60</i>															
	<u><i>17.92</i></u>	<u><i>39.09</i></u>															

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	J	K
					C A	Ep B	Ch C	D D	S E			
0-4.3				cosias								
4.3-22.1				Andesite flow med green massive porphyritic feldspars - occasional pillow boundary with epidote or talc minor siliceous or jasperoidal interflow zone - minor pyrite	/	/	/	/	/	/	/	/
22.1-24.8				Diabase Dike - porphyritic feldspars - green black ophanitic groundmass - in part clay altered	/	/	/	/	/	/	/	/
24.8-25.4				Andesite flow - grey, pyritic and somewhat silicified w/ micro Qtz veinlets near major Qtz. Veins minor gouge at 27.2m	/	/	/	/	/	/	/	/
25.4-30.2				major quartz vein system consists of 2 possibly separate veins separated by 1.7m of pyritic wallrock / stringer zone from 27.4 - 29.1	/	/	/	/	/	/	/	/
30.2-29.9				minor fault gouge and diabase dike fragment(?) at 29.9m	/	/	/	/	/	/	/	/
29.9-27.1				fault gouge at 27.1m	/	/	/	/	/	/	/	/
27.1-27.4				pyritic wallrock has 1-2cm Qtz fragments in volcanic/pyrite	/	/	/	/	/	/	/	/

A.F

Sc

-D

-Z

Vo

A.F

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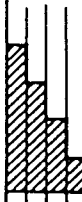
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AJM EXPLORATIONS LTD.

MINERALS SECTION

DRILL LOG

PROJECT <i>Elan</i>		GROUND ELEV. <i>1241.9 m</i>	
HOLE No. <i>83 E 24</i>		BEARING <i>351. 13' 45"</i>	
LOCATION <i>N 1133.6545</i> <i>E 8170.6284</i> <i>Elan</i> <i>1.5m east of</i> <i>Lot 66W 665</i>		DIP <i>-53.5°</i>	
LOGGED BY <i>Alf Stewart</i> <i>R Barrett</i>		TOTAL LENGTH <i>365'</i> <i>111.3 m</i>	
DATE <i>July 19, 1983</i>		HORIZONTAL PROJECT <i>64.94 m</i>	
CONTRACTOR <i>D J Drilling</i>		VERTICAL PROJECT <i>90.3 m</i>	
CORE SIZE <i>BQ</i>		ALTERATION SCALE 	
DATE STARTED <i>July 17, 1983</i>		TOTAL SULPHIDE SCALE 	
DATE COMPLETED <i>July 20, 1983</i>			
DIP TESTS			
	actual	correct	
<i>200'</i>	<i>61.25</i>	<i>53.75</i>	
<i>355'</i>	<i>63.5</i>	<i>56.25</i>	
COMMENTS		LEGEND	
		<i>Lat</i>	<i>Dp</i>
<i>0 - 30.48 @ -53.5 x 80.48</i>		<i>18.13</i>	<i>24.50</i>
<i>30.48 - 60.96 @ 53.75 x 30.48</i>		<i>18.02</i>	<i>24.58</i>
<i>60.96 - 84.58 @ 53.75 x 23.62</i>		<i>13.97</i>	<i>19.05</i>
<i>84.582 - 111.25 @ 56.25 x 26.67</i>		<i>14.82</i>	<i>22.17</i>
		<i>64.94</i>	<i>90.3</i>

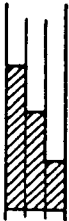
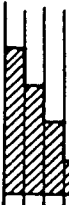
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY
					C A	Ep B	Ch C	D D	S E	
				0-5.5m casing						
				5.5m- Andesite flow - feldspar porphyritic, weakly fractured occasional pillow rim						
-10				minor quartz veinlets at 45° to core axis - 3 or 4 of these between 0 and 20m						
-20				fault gouge at 20.5 - 2cm thick gouge zone numerous small Qtz carb veinlets randomly oriented & cutting the andesite. These are much less frequent in the chlorite-carb andesite section						
-30				andesite has diabasic texture in this section, but pillow rims still evident i.e. still a flow, not intrusive						

D 1 (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY
					C A	Ep B	Ch C	D D	S E	
				5Ca cont.						
				massive andesite with small carbonate veinlets and disseminations mostly calcite	/	/	/			
		A.F.		Small siliceous veinlet with diffuse contacts - may lie between two andesite pillows	/	/	/			
				- minor incompetent slip zone or small fault at 47.0m	/	/	/			
-50				transitional change near 56.5 m from carb-chlorite altn to dolomitic alteration	/	/	/			
				small carb altered (dola.) feldspar phenocrysts intermittent throughout this section	/	/	/			
				pillow rims numerous in this section	/	/	/			
-60				transitional contact to massive pillow andesite with Ca-Ch alteration	/	/	/			
					/	/	/			
					/	/	/			
-70				massive green andesite feldspar porphyry, minor calcite veinlets	/	/	/			
				small brecciated quartz stringers in this section	/	/	/			
					/	/	/			
					/	/	/			
80		DD	78.9-80.5	7 Diabase Dike - porphyritic chloritized mafic and calcifers	/	/	/			

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%	COMPOSITE ASSAY
					oz/ton	oz/ton	oz/ton	
occasional blob of cubedra pyrite					0.04	0.02		
		50						
57.4 - 57.7 Pyritic Andesite		57.4-57.7	0.3	D1902	0.051	0.02		
57.9 - 58.1 Quartz Vein bulk quartz - contact 30° to 49°		57.9-58.1	0.2	D1903	0.030	0.02		
		60						
		70						
77.7 - 78.7 Pyritic andesite and minor quartz stringers		77.7-78.7	1.0	D1904	0.015	0.14		

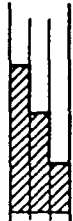
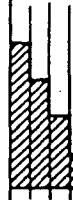
L.M. (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY
					C A	Ep B	Ch C	D D	S E	
80.4				Andesite flow - pyritic near qtz vein contacts						
				only 80% recovery from 79 m to 82.3 m						
				Data altered from 83.7 - 90.0 m						
85				minor siliceous veins (?) in andesite flow with downward near possible pillow rims may be chert infillings of pillow voids weakly fractured						
90				Co-Ch altered from 90.0 - 99.5						

AJM EXPLORATIONS LTD.
MINERALS SECTION
DRILL LOG

PROJECT <i>Elax</i>	GROUND ELEV. 1249.9																
HOLE No. 83 E25	BEARING 350°																
LOCATION <i>L1400W approx 400W 0475</i>	DIP - 45 approx.																
	TOTAL LENGTH 29.6 m																
LOGGED BY <i>Alf Stewart</i> <i>R. Bennett</i>	HORIZONTAL PROJECT 20.78 m																
DATE July 21, 1983	VERTICAL PROJECT 21.07 m																
CONTRACTOR DJ Drilling	<p style="text-align: center;">ALTERATION SCALE</p>  <p style="margin-left: 20px;">absent slight moderate intense</p>																
CORE SIZE BQ																	
DATE STARTED July 20, 1983	<p style="text-align: center;">TOTAL SULPHIDE SCALE</p>  <p style="margin-left: 20px;">traces only < 1% 1% - 3% 3% - 10% > 10%</p>																
DATE COMPLETED July 21, 1983																	
DIP TESTS <i>@ 90' 27.43m</i>																	
<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;"></td> <td style="width: 20%; text-align: center;">actual</td> <td style="width: 20%; text-align: center;">correct</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td></td> <td style="text-align: center;">54°</td> <td style="text-align: center;">45.75°</td> <td style="text-align: center;">H</td> <td style="text-align: center;">V</td> </tr> </table>		actual	correct				54°	45.75°	H	V							
	actual	correct															
	54°	45.75°	H	V													
COMMENTS	LEGEND																
<table style="width: 100%; border: none;"> <tr> <td style="width: 25%;"></td> <td style="width: 25%;"></td> <td style="width: 10%; text-align: center;">H</td> <td style="width: 10%; text-align: center;">V</td> </tr> <tr> <td><i>0-13.72 m</i></td> <td><i>13.72m @ -45°</i></td> <td style="text-align: center;">9.70</td> <td style="text-align: center;">9.70</td> </tr> <tr> <td><i>13.72 m - 29.6m</i></td> <td><i>15.88m @ 45.75°</i></td> <td style="text-align: center;">11.08</td> <td style="text-align: center;">11.37</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">20.78</td> <td style="text-align: center;">21.07</td> </tr> </table>			H	V	<i>0-13.72 m</i>	<i>13.72m @ -45°</i>	9.70	9.70	<i>13.72 m - 29.6m</i>	<i>15.88m @ 45.75°</i>	11.08	11.37			20.78	21.07	
		H	V														
<i>0-13.72 m</i>	<i>13.72m @ -45°</i>	9.70	9.70														
<i>13.72 m - 29.6m</i>	<i>15.88m @ 45.75°</i>	11.08	11.37														
		20.78	21.07														

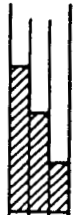

DEP (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY
					C A	Ep B	Ch C	D D	S E	
				0-4m casing						
		A.F.		4-14.4m Andesite flow - fairly weathered and fractured to a depth of 12 m dolomitic alteration is evident only as an orange weathering of the core in the first 7m, but intensifies with depth occasional qtz stringer 5-10cm wide	/	/	/	/	/	
-10		D		14.4-16.2 Diabase dike - feldspar & mafic phenos in dk green black matrix fairly massive, upper and lower contacts are sheared lower contact is against the ELAN vein				/	/	
-15				ELAN vein 16.4-18.4 m						
				16.2-29.6 Andesite flow - slightly porphyritic, massive, thin qtz stringers, unusual overlap of dolomite and chlorite alteration from 16.0-20.0 m			/	/	/	
-20							/	/	/	

AJM EXPLORATIONS LTD.
MINERALS SECTION
DRILL LOG

PROJECT Elan		GROUND ELEV. 1249.9 m	
HOLE No. 83 E26		BEARING 351.5°	
LOCATION L1100W approx 100W at 175		DIP approx 63.5°	
		TOTAL LENGTH 39.6	
LOGGED BY ALF Stewart <i>R. Brown</i>		HORIZONTAL PROJECT 18.25 m	
DATE July 22, 1983		VERTICAL PROJECT 35.14 m	
CONTRACTOR D J Drilling		<p style="text-align: center;">ALTERATION SCALE</p>  <p style="margin-left: 20px;">absent slight moderate intense</p>	
CORE SIZE BQ			
DATE STARTED July 21, 1983		<p style="text-align: center;">TOTAL SULPHIDE SCALE</p>  <p style="margin-left: 20px;">traces only < 1% 1% - 3% 3% - 10% > 10%</p>	
DATE COMPLETED July 22, 1983			
DIP TESTS			
@ 120'	actual 68.2	correct 61.75	
36.58 m			
COMMENTS		H	V
0-18.29m	18.29m @ 63.5°	8.16	16.37
18.29-39.6m	21.31m @ 61.75°	10.09	18.77
		18.25	35.14
		LEGEND	

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	COMPOSITE ASSAY
					oz/Ton Au	oz/Ton Ag	
7.3-7.7m Qtz vein sampled 35° to c/a pos. tourmaline bearing -lg. dolostals, minor py, cp and wall crack fragments		7.3-7.7	0.4	1889	.055	.02	①
9.2-9.9m Pyritic Andesite sampled very fractured and weathered - some what siliceous rk. lg. euh. pyrite disseminations		9.2-9.9 10	0.7	1890	.078	.13	②
20.2-20.7 Pyritic Andesite - lg. euh pyrite		20.2-20.7 20	0.5	1891	.031	.03	③
23.3-28.9 Qtz vein sampled l.w. contact is banded w. v. pyrite has diss. blobs of chalcopyrite spineliferous Pass. tetra. minor qtz is milky & semi-clear varieties - center of vein is bull qtz w. dissem. py, occasional py rock fragment and minor dissem. tetrahedrite and cp. Core recovery only 80% From 23.8-28.5		23.3-23.7 23.7-24.2 24.7-25.0 25.0-26.1 26.1-27.35 27.35-28.5 28.5-28.9	0.4 0.5 0.8 1.1 1.25 1.25 0.4	1892 D1893 D1894 D1895 D1896 D1897 D1898	tr .014 .038 tr tr tr .043	.07 .2 .19 .04 .02 .03 .55	④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩
28.9-29.4 Pyritic Andesite sampled		28.9-29.4	0.5	D1899	.047	.1	⑪

AJM EXPLORATIONS LTD.
MINERALS SECTION
DRILL LOG

PROJECT <i>ELan</i>	GROUND ELEV. <i>1250.917 m</i>												
HOLE No. <i>83 E 27</i>	BEARING <i>350°</i>												
LOCATION <i>Lat 1163.999 Dep 8062.944</i> <i>ELan</i> <i>~ 21160 w 01 17 S</i>	DIP <i>approx - 45°</i>												
	TOTAL LENGTH <i>38.7 m</i>												
LOGGED BY <i>Alfred Stewart</i> <i>R. Bennett</i>	HORIZONTAL PROJECT <i>27.77 m</i>												
DATE <i>July 25, 1983</i>	VERTICAL PROJECT <i>26.93 m</i>												
CONTRACTOR <i>DS Drilling</i>	<p style="text-align: center;">ALTERATION SCALE</p>  <p style="margin-left: 20px;">absent slight moderate intense</p>												
CORE SIZE <i>BQ</i>													
DATE STARTED <i>July 23, 1983</i>	<p style="text-align: center;">TOTAL SULPHIDE SCALE</p>  <p style="margin-left: 20px;">traces only < 1% 1% - 3% 3% - 10% > 10%</p>												
DATE COMPLETED <i>July 24, 1983</i>													
DIP TESTS													
<table style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td style="text-align: center;"><i>actual</i></td> <td style="text-align: center;"><i>corrected</i></td> </tr> <tr> <td style="text-align: center;"><i>@ 38.7 m</i></td> <td style="text-align: center;"><i>51.5</i></td> <td style="text-align: center;"><i>43.25</i></td> </tr> </table>		<i>actual</i>	<i>corrected</i>	<i>@ 38.7 m</i>	<i>51.5</i>	<i>43.25</i>							
	<i>actual</i>	<i>corrected</i>											
<i>@ 38.7 m</i>	<i>51.5</i>	<i>43.25</i>											
COMMENTS	LEGEND												
<table style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td style="text-align: center;"><i>Lat</i></td> <td style="text-align: center;"><i>Dep</i></td> </tr> <tr> <td style="text-align: center;"><i>0 - 19.35 @ 45</i></td> <td style="text-align: center;"><i>13.68</i></td> <td style="text-align: center;"><i>13.68</i></td> </tr> <tr> <td style="text-align: center;"><i>19.35 @ 43.25</i></td> <td style="text-align: center;"><i>14.09</i></td> <td style="text-align: center;"><i>13.25</i></td> </tr> <tr> <td></td> <td style="text-align: center;"><hr/><i>27.77</i></td> <td style="text-align: center;"><hr/><i>26.93</i></td> </tr> </table> <p style="margin-left: 20px;"><i>col 1202.2 8058.1</i></p>		<i>Lat</i>	<i>Dep</i>	<i>0 - 19.35 @ 45</i>	<i>13.68</i>	<i>13.68</i>	<i>19.35 @ 43.25</i>	<i>14.09</i>	<i>13.25</i>		<hr/> <i>27.77</i>	<hr/> <i>26.93</i>	
	<i>Lat</i>	<i>Dep</i>											
<i>0 - 19.35 @ 45</i>	<i>13.68</i>	<i>13.68</i>											
<i>19.35 @ 43.25</i>	<i>14.09</i>	<i>13.25</i>											
	<hr/> <i>27.77</i>	<hr/> <i>26.93</i>											



DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	
					C A	Ep B	ch C	D D	S E		
				0-4.6 overburden							
				4.6-22.3 Andesite flow - pale green grey - fractured, altered and pyritic pillowed flow							
				8.2-8.7m quartz vein							
10				Silicified and very fractured pyritic section - qtz stringers abrupt contact to euhedral pyrite disseminated in andesite section							
18				qtz stringers x cutting the andesite from 17.8-19.7							
20.5				22.3-24.8 diabase dike - feldspar and chloritized mafic phenocrysts in a fine dark green matrix - fairly competent - possibly sheared contacts against quartz							

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%	COMPOSITION ASSAY
					Au oz/ton	Ag oz/ton		
8.2-8.7 Qtz vein w coarse pyrite dissems, milky Qtz, contact 45° to cl probably same as tourmaline vein of prev. holes, slightly weathered, tetrahedrite concentration on h.w. contact, sharp h.w. + f.w. contact, minor diss pyrite on f.w. side, ls. sphal dissems. 1%		8.2-8.7	0.5	1910	.059	.184		(1)
10.4-11.3 Qtz stringer zone and dissem pyrite in andesite. Very silicified local patch broken blocky core		10.4-11.3	0.9	1911	.034	.10		(2)
11.7-12.6 Qtz vein sampled white bull Qtz with very pyritic dolomite altered wall rock fragments contact 45° to cl		11.7-12.6	0.9	1912	tr.	.07		(3)
12.6-13.1 Pyritic Andesite sampled by 2-3mm grains of diss. euh. py.		12.6-13.1	0.5	1913	.046	.17		(4)
13.1-14.1 Qtz stringer zone sampled - 20% stringers 80% py and.		13.1-14.1	1.0	1914	.027	.04		(5)
14.1-15.1 Qtz stringer zone sampled 10% stringers, fig. dissem py. in volc.		14.1-15.1	1.0	1915	.025	.06		(6)
17.8-18.8 Qtz stringer zone 2 60° to c/g bands 2-6cm wide dissem pyrite in veinlets and in wallrock, 2 stage Qtz 1st white and cloudy		17.8-18.8	0.8	1916	tr.	.14		(7)

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au		% Ag		COMPOS ASSAY
					oz/ton	oz/ton	oz/ton	oz/ton	
19.7-20.2 sharp contact with white unmineralized bull qtz h.w. @ 60° to clg massive textured w very minor xifalline vuggy spots large wallrock clasts to 20 cm diameter - clasts have earlier veinlets of 2stage qtz (white & cloudy) traces of pyrite in vein & wallrock but not abundant	/	19.7-20.2	0.5	1917	tr	.12			(8)
Vein is cut by diabase dike	/	20.2-20.9	0.7	1918	tr	.09			(9)
	/	21.9-22.3	0.4	1919	tr	.03			(10)
24.3-25.4 Qtz vein continues on other side of d. q. - small bands of semi-clear qtz xcutting the white qtz vein disseminated tetra - f.g. ~ 1% lost 10 cm adj. to f.w contact	/	24.3-25.4	0.7	1920	tr	.03			(11)
	/	25.0-25.4	0.4	1921	tr	.03			(12)
	/	25.4-25.8	0.4	1922	.090	.12			(13)
	/	25.8-26.1	0.3	1923	.014	.07			(14)
25.4-25.8 Pyritic And. sampled	/								
25.8-26.1 Qtz vein sampled minor f.g pyrite dissen patches bull qtz no carb, bx, or ribbons	/								
26.1-26.8 Pyritic Andesite sampled	/	26.1-26.8	0.7	1924	.018	.06			(15)

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%		COMPOSITION ASSAYS
traces of pyrite	/	8							
	/								
	/								
	/								
	/								
	/								
	/								
	/								
38.7 end of hole	/								
	/	40							



AJM EXPLORATIONS LTD.
MINERALS SECTION
DRILL LOG

PROJECT Elan 83 E 28	GROUND ELEV. 1249.66 m												
HOLE No. 83 E 28	BEARING ~ 350°												
LOCATION L 1760 W (1m east) O + 30.55 Lat. 1150.913 Dep. 8065.363	DIP -45° of collar measured by Breton												
	TOTAL LENGTH 50.0 m												
LOGGED BY ALF Stewart <i>R Breton</i>	HORIZONTAL PROJECT 35.81 m												
DATE July 26, 1983	VERTICAL PROJECT 34.88 m												
CONTRACTOR D J Drilling	ALTERATION SCALE  <ul style="list-style-type: none"> absent slight moderate intense 												
CORE SIZE BQ													
DATE STARTED July 23, 1983	TOTAL SULPHIDE SCALE  <ul style="list-style-type: none"> traces only < 1% 1% - 3% 3% - 10% > 10% 												
DATE COMPLETED July 24, 1983													
DIP TESTS actual corrected 164' 51.25° 43.5° 49.99m													
COMMENTS <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;"></th> <th style="width: 20%;">Lat</th> <th style="width: 20%;">Depth</th> </tr> </thead> <tbody> <tr> <td>0 - 25.0m @ 45° x 25m</td> <td>17.68</td> <td>17.68</td> </tr> <tr> <td>25.0 - 50.0 @ 43.5° x 25m</td> <td><u>18.13</u></td> <td><u>17.2</u></td> </tr> <tr> <td></td> <td>35.81</td> <td>34.88</td> </tr> </tbody> </table>		Lat	Depth	0 - 25.0m @ 45° x 25m	17.68	17.68	25.0 - 50.0 @ 43.5° x 25m	<u>18.13</u>	<u>17.2</u>		35.81	34.88	LEGEND
	Lat	Depth											
0 - 25.0m @ 45° x 25m	17.68	17.68											
25.0 - 50.0 @ 43.5° x 25m	<u>18.13</u>	<u>17.2</u>											
	35.81	34.88											

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	K
					C A	Ep B	Ch C	D D	S E		
0				0-6.1 overburden							
				6.1-8.4 Andesite Flow	/	/	/				
				8.4-9.1 Diabase Dike - f.g. dark green massive, occas. 1-2mm plag phen. 1-2mm chl. mafics	/	/	/				
10				9.1-36.3 Andesite flow - green - pillowed fairly massive minor qtz carb and qtz veinlets.	/	/	/				
				An unusual pink white cloudy siliceous veinlet at a pillow margin. These may be narrow silicified zones or chert ^{Asper} veins at 17m	/	/	/				
20				Transition to dolo. altered zone at ~13.0m - rock color is pale grey - very minor qtz stringers to 3cm diam every 2-3m	/	/	/				
				Transition back to green siliceous mafic flow - apparently qtz stringer zone has its own alt'n halo	/	/	/				
25					/	/	/				
					/	/	/				
					/	/	/				
30					/	/	/				

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%		COMPOSITE ASSAYS
					Au oz/ton	Ag oz/ton	
		10					
18.9-20.4 - Qtz stringers in clay altered andesite with f.g. pyrite & very minor tetra in the SCN veinlets of Qtz dolomite		18.9-20.4	1.5	D1929	.063	.02	(2)
23.7-25.4 Pyritic Andesite in coarse patches of euh. py 2-3mm diameter, thin pyritic Qtz stringers 2cm or less diam, 16%		23.7-24.8	1.1	D1930	.046	.12	(1)
		24.8-25.4	0.6	D1931	.056	.17	(2)
26.1-26.6 mottled white Qtz vein with thin ribbons of f.g. pyrite (stylolites?) to 3% at h.w. contact, rest of vein is white and milky Qtz pyritated texture in minor pyrite f.g. blebs.		26.1-26.6	0.5	D1932	tr	.06	(3)
28.0-28.9 - pyritated milky and white Qtz ^{vein} stylolites and reg. fracs. of f.g. banded pyrite at f.w.		28.0-28.9	0.9	D1933	tr	.03	(4)
28.9-29.9 Pyritic Andesite w/ Qtz stringer - at 29.6m - 20cm.		28.9-29.9	1.0	D1934	.012	.08	(5)
		30					

AJM EXPLORATIONS LTD.
MINERALS SECTION
DRILL LOG

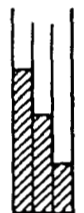
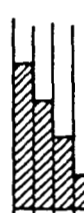
PROJECT <i>ELAN</i>	GROUND ELEV. <i>1249.97 m</i>																				
HOLE No. <i>83 E 30</i>	BEARING <i>350°</i>																				
LOCATION <i>L2+00 E 0+185</i> <i>Lat. 1152.5 Dep. 8025.6</i>	DIP <i>-60° approx.</i>																				
	TOTAL LENGTH <i>174' 53.04m</i>																				
LOGGED BY <i>ALF Stewart</i> <i>R. Brown</i>	HORIZONTAL PROJECT <i>26.72 m</i>																				
DATE <i>July 27, 1983</i>	VERTICAL PROJECT <i>45.82 m</i>																				
CONTRACTOR <i>DJ Drilling</i>	<p style="text-align: center;">ALTERATION SCALE</p>  <p style="margin-left: 20px;">absent slight moderate intense</p>																				
CORE SIZE <i>BQ</i>																					
DATE STARTED <i>July 25, 1983</i>																					
DATE COMPLETED <i>July 26, 1983</i>																					
DIP TESTS <i>@ 174'</i> <i>53.04</i>	<p style="text-align: center;">TOTAL SULPHIDE SCALE</p>  <p style="margin-left: 20px;">traces only < 1% 1% - 3% 3% - 10% > 10%</p>																				
<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;"></td> <td style="width: 30%; text-align: center;"><i>actual</i></td> <td style="width: 30%; text-align: center;"><i>corrected</i></td> </tr> <tr> <td><i>66.5°</i></td> <td><i>59.5°</i></td> <td></td> </tr> </table>		<i>actual</i>	<i>corrected</i>	<i>66.5°</i>	<i>59.5°</i>																
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<i>66.5°</i>	<i>59.5°</i>																				
COMMENTS	LEGEND																				
<table style="width: 100%; border: none;"> <tr> <td style="width: 40%;"></td> <td style="width: 10%; text-align: center;"><i>Lat</i></td> <td style="width: 10%; text-align: center;"><i>Depth</i></td> <td style="width: 30%;"></td> </tr> <tr> <td><i>0 - 26.52 26.52 @</i></td> <td style="text-align: center;"><i>13.26</i></td> <td style="text-align: center;"><i>22.97</i></td> <td></td> </tr> <tr> <td style="text-align: center;"><i>-60°</i></td> <td style="text-align: center;"><i>13.46</i></td> <td style="text-align: center;"><i>22.85</i></td> <td></td> </tr> <tr> <td><i>26.52 - 53.04 26.52 @</i></td> <td style="text-align: center;"><i>26.72</i></td> <td style="text-align: center;"><i>45.82</i></td> <td></td> </tr> <tr> <td style="text-align: center;"><i>59.5°</i></td> <td></td> <td></td> <td></td> </tr> </table>		<i>Lat</i>	<i>Depth</i>		<i>0 - 26.52 26.52 @</i>	<i>13.26</i>	<i>22.97</i>		<i>-60°</i>	<i>13.46</i>	<i>22.85</i>		<i>26.52 - 53.04 26.52 @</i>	<i>26.72</i>	<i>45.82</i>		<i>59.5°</i>				
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<i>59.5°</i>																					

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	Series	M
					C A	Ch B	Ep C	D D	S E			
				0-3.7 casing								
				3.7-5.9 Andesite flow - green, massive lg. plag phenos, orange data weath. fms.								
				5.9-7.5 Diabase Dike - dark green, plag phenos to 2mm diam, massive contact 45° to dia								
-10				7.5-31.4 Andesite Flow - Pale green grey, moderately dolomite altered, x'cut by dark green chloritic structures Small very siliceous patches up to 10cm across - probable chert in between pillows & cherty veinlets - no py, jasper or mag. 12.5 - fault gouge 2-3 cms Qtz (milky white) stringers w possible pale waxy green mariposite blotches and minor dolomite 2-3 mm clots of chlorite prob. replacing mafic phenos								
-26												
-30												
				31.4-32.2 Diabase Dike as prev. 32.2-34.0 Qtz vein								

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au		% Ag		COMPOSITE ASSAYS
					oz/ton	oz/ton	oz/ton	oz/ton	
12.1-13.0 Pyritic Andesite with minor Qtz stringer - good coarse pyrite blotches		12.1-13.0	0.9	D1935	.040	.08			①
25.2-25.7 Pyritic Andesite w/ Qtz stringer - coarse 2-3 mm disseminated pyrite in veinlet of Qtz 2cm wide and in surrounding wallrock		25.2-25.7	0.5	D1936	tr	.20			②
27.1-28.1 Qtz stringers cutting andesite w/ abundant v.f.g. cuboidal pyrite disseminated in rock		27.1-28.1	1.0	D1937	.021	.17			③
28.1-29.1 Qtz stringers cutting andesite w/ abundant v.f.g. cuboidal pyrite disseminated in rock		28.1-29.1	1.0	D1938	.012	.23			④
29.8-30.8 Pyritic Andesite and Qtz stringers - v.f.g. py. dissems		29.8-30.8	1.0	D1939	tr	.23			⑤
30.8-31.4 Qtz stringers in pyrite - sericite and clay altered - faint pale green		30.8-31.4	0.6	D1940	tr	.13			⑥
32.2-34.0 Pyritic Qtz Vein coarse blotches and f.g. thin ribbons of pyrite at f.u. contact and pyritic Andesite < 20% Qtz		32.2-34.0	1.8	D1941	tr	.66			⑦

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY
					C A	Ep B	Ch C	D D	S E	
32				Qtz vein cont.						
-35				34.0-36.1 Diabase Dike - dark green chloritic dike w/ plag phenos 1-2mm diameter - fairly competent						
				36.1-36.5 Qtz vein.						
				36.5-53.0 Andesite flow - pale green grey, plag phenos 1-2mm throughout to ~39.0m						
-40				More abundant pillow frags. epid. chlorite rich.						
				numerous calcite veinlets						
				patches of mafic phen. rich andesite - poss. amphibole not chloritized						
-50				53.0 end of hole						

AJM EXPLORATIONS LTD.
MINERALS SECTION
DRILL LOG

PROJECT EL9N	GROUND ELEV. 1253.51 m												
HOLE No. 83E31	BEARING ~ 170°												
LOCATION L 0 +40 E, 0+40 N Lat. 1261.455 Dep. 8260.550	DIP 45°												
	TOTAL LENGTH 231' 70.41 m												
LOGGED BY Alf Stewart <i>R. Bennett</i>	HORIZONTAL PROJECT 50.64												
DATE July 29, 1983	VERTICAL PROJECT 48.90												
CONTRACTOR DJ Drilling	<p style="text-align: center;">ALTERATION SCALE</p>  <p style="margin-left: 20px;">absent slight moderate intense</p>												
CORE SIZE BQ													
DATE STARTED July 26, 1983	<p style="text-align: center;">TOTAL SULPHIDE SCALE</p>  <p style="margin-left: 20px;">traces only < 1% 1% - 3% 3% - 10% > 10%</p>												
DATE COMPLETED July 27 1983													
DIP TESTS													
<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;"></td> <td style="text-align: center;"><i>actual</i></td> <td style="text-align: center;"><i>corrected</i></td> </tr> <tr> <td>@ 231' = 70.41 m</td> <td style="text-align: center;">51.25</td> <td style="text-align: center;">43°</td> </tr> </table>		<i>actual</i>	<i>corrected</i>	@ 231' = 70.41 m	51.25	43°							
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@ 231' = 70.41 m	51.25	43°											
COMMENTS	LEGEND												
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	<i>Lat</i>	<i>Depth</i>											
0-35.21 @ 45°	24.89	24.89											
35.21 @ 43°	25.75	24.01											
	50.64	48.90											

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%	COMPOSITE ASSAYS
					oz/ton Au	oz/ton Ag		
Traces of pyrite		0						
Minor black accessory mineral probably chromite, disseminated throughout the listwanite								
		10						
		20						
20.7-21.1 Pyrite in andesite		20.7-21.7	1.0	D1949	.013	.17		①
lg, euhedral dissem pyrite vitals up to 1cm diameter		21.7-22.5	0.8	D1950	.021	.06		②
Occas. dark vesicles in pyrite 45%		22.5-23.5	1.0	D1951	.056	.09		③
Some lost core at 24.5 only 80% recovery		23.5-24.7	1.2	D1952	.039	.07	.067 oz / 26m	④
		24.7-25.7	1.0	D1953	.028	.03		⑤
		25.7-27.1	1.4	D1954	.126	.10		⑥
				↑ repeat	.288	.02		
		30						
		40						

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	M
					C A	Ep B	Ch C	ψ D	S E		
				A.F. cont.							
				minor stringer zone at 42.0 no sulfides mod. dark alterati zone							
				minor matrix in x-cutting veinlets and as dissems. in andesite							
- 50				- The andesite is a pale yellow-green poss due to weak pervasive epidote alt'n							
				minor silicification with chalced. qtz. above and below vein in andesite but not in diabase - veinlets and patches of chalced qtz.							
- 60				58.0-61.0 Diabase Dike - dark green black with numerous plag. phenos 1-2mm diam. - low contact is 45° to cleat slightly sheared from contact not preserved							
				61.0-62.2 - Qtz vein							
				62.2 - fault gouge - lost core 10-20 cms							
70				62.2-70.7 Dolomite altered yellow-grey andesite flow, fractured, chlorite veined and pyritic minor qtz-carb vein & one unusual turquoise talc veinlet at 69.0 70.7 - end of hole							

AJM EXPLORATIONS LTD.

MINERALS SECTION

DRILL LOG

PROJECT <i>Elan</i>		GROUND ELEV. <i>1237.67 m</i>																			
HOLE No. <i>83 E 32</i>		BEARING <i>~ 350°</i>																			
LOCATION <i>6 m west of L40E @ 0+92^sm S of BL</i> <i>Lat. 1123.774</i> <i>Dep. 8266.487</i>		DIP <i>-42.5° at collar (surveyed)</i>																			
LOGGED BY <i>ALF Stewart</i>		TOTAL LENGTH <i>131.7 m</i>																			
DATE <i>July 30, 1983</i>		HORIZONTAL PROJECT <i>97.28</i>																			
CONTRACTOR <i>DJ Drilling</i>		VERTICAL PROJECT <i>88.72</i>																			
CORE SIZE <i>80</i>		<p>ALTERATION SCALE</p> <p>absent slight moderate intense</p>																			
DATE STARTED <i>July 28, 1983</i>																					
DATE COMPLETED <i>July 30, 1983</i>																					
DIP TESTS		<p>TOTAL SULPHIDE SCALE</p> <p>traces only < 1% 1% - 3% 3% - 10% > 10%</p>																			
<table border="1"> <thead> <tr> <th></th> <th>actual</th> <th>corrected</th> </tr> </thead> <tbody> <tr> <td>@ 60.96 m</td> <td>49.75</td> <td>42.5</td> </tr> <tr> <td>@ 131.67 m</td> <td>49.25</td> <td>42.0</td> </tr> </tbody> </table>					actual	corrected	@ 60.96 m	49.75	42.5	@ 131.67 m	49.25	42.0									
	actual			corrected																	
@ 60.96 m	49.75	42.5																			
@ 131.67 m	49.25	42.0																			
COMMENTS																					
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30.48-96.32 m	65.84 m @ 42.5°	48.54																			
96.32 m-131.67	35.35 m @ 42.0°	26.27																			
		97.28																			
		88.72																			

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY
					C A	Ep B	Ch C	D D	S E	
0-8.0				Casing						
8.0 - 16.0				Andesite flow - weakly dolo. alt'd massive pillowed andesite grey-green colored, minor 1-2mm plagiophenes mod fractured, calcite veined broken core + clay alt'd fault gouge						
16.0 - 20.0				Some pillow fractures evident, chlorite veins 1/8" along original selvage & minor chalcedonic qtz veins in very sharp dolo alt'd for 1/2 - 1 cm x cutting much less altered rock						
20.0 - 25.0				Gradational change to massive med. green pillowed andesite, none numerous pillow fracs.						
25.0 - 30.0				occasional bull qtz stringer no sulfides or alt'n < 5cm thick & frequency of 1 per 2m also chlorite with these veins						
30.0 - 40.0										
40.0 - 45.0										

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	K
					C A	Ep B	Ch C	D D	S E		
				A.F. cont.							
				massive grey dolo alt'd andesite flow with less stringers than prev, minor chalced. qtz stringers and minor claud qtz stringers, dolo alt'n mod grey to int. br-grey							
-70				qtz stringer 69.8-70.0 - possible latestage stringer wallrock has py & marcasite (?) dissem.							
				75.9-76.2 - Qtz veinlet & stringer zone - has a clot of pale green sericite							
-80				some chloritic alteration & cut by intruse dolo alteration veining of the andesite							
-90				gradational change to chlorite - calcite altered massive andesite							

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%	COMPOSITE ASSAYS
					As oz/ton	Ag oz/ton		
66.0 - 66.5 Qtz stringer zone w thin qtz veinlet x cut by pyritic bands - smeared pyrite on fractures - possible small % lost core	///	66.0-66.5	0.5	1960	.087	.03		(5)
to 69.8 - 70.2 Qtz stringer zone w dissem py & possible marcasite at f.w contact in vein wall rock - bladed x'ed line form to the poss marc. stringer @ 45° to c/q	///	69.8-70.2	0.4	1961	.095	.02		(6)
75.9 - 76.9 Qtz stringer zone w heavy dissem pyrite @ f.w contact f/w contact @ 20° to c/q sericite inclusion in the white qtz	///	75.9-76.9	1.0	1962	.240	0.20		(7)
84.6 - 85.1 Pyrite in Anlesite	///	84.6-85.1	0.5	1963	.062	.12		(8)
85.1 - 86.0 Qtz vein w dissem pyrite and tetra in discreet blabs throughout vein <1% tetra lg py wall rock fragment of 1.5 cm thickness in vein	///	85.1-86.0	0.9	1964	.095	.39		(9)
- to 341 ft								

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	k
					C A	Ep B	CK C	D D	S E		
				gradational change in alteration and frac intensity to a crackle textured dolo alt'd. Volcanic flow				/			
				qtz stringers of white qtz to 2cm wide and thin chalcedonic qtz stringers				/			
-110				minor fault gouge clay alt'd + broken up qtz veinlets that were recemented				/			
				113.8-118.6 Niobase Dike - massive dark green feldspar porphyritic diabase minor cutting random oriented white qtz veinlets	/			/			
				118.6-119.3 Elan Vein - minor lost core				/			
-120				119.5-120.3 Elan Vein				/			
				fault gouge fine contact 90° to c/a - frac, py. + clay altered				/			
				120.3-131.7 Andesite flow - pale green grey "blotchy" texture of fig chloritic patches cut by dolo alt'n veinlets - could also have v.s.g. epidote in the chlorite				/			
-125				minor qtz veinlets more homogenous textured andesite flow - small porphyritic (alt'd feldspar?) patches				/			
				qtz stringer zone 127.0-129.0 stringers 50-60° to c/a				/			
				131.7 end of hole				/			
135								/			

MINERALIZATION DESCRIPTION

TOTAL SULPHIDE

INTERVAL

WIDTH

ASSAY NUMBER

%

%

%

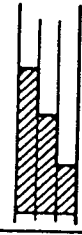
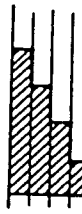
Au

Ag

COMPOSITE ASSAYS

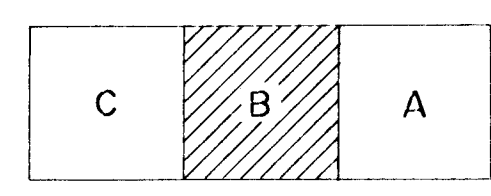
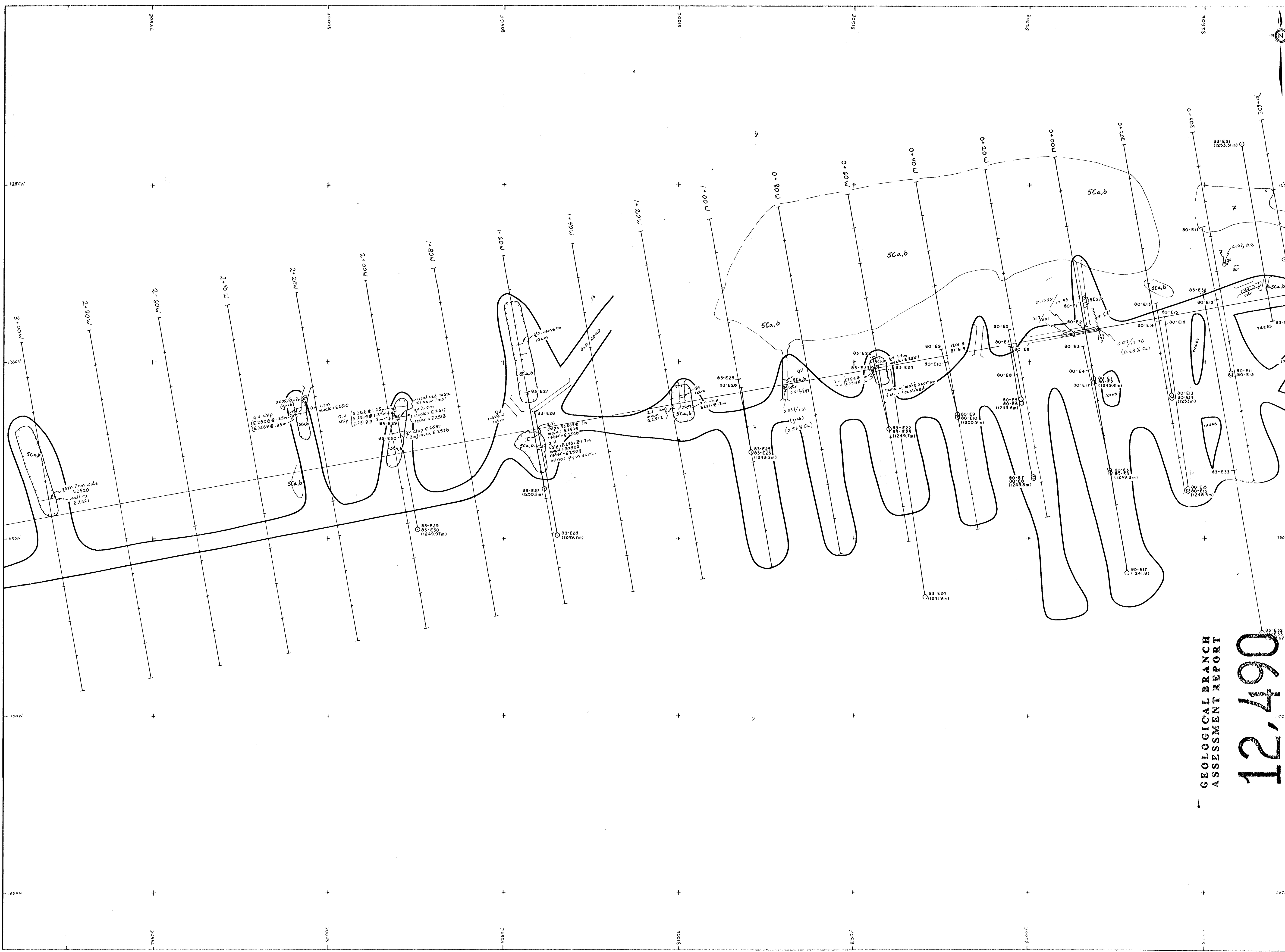
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	%	COMPOSITE ASSAYS
102.9-104.9 Qtz stringer zone with disseminated py. in and. white & cloudy Qtz veins - minor pyrite ribbon s 60° to c/a to h.w.		102.9-103.9 104.1-104.9	1.0 0.8	D1965 D1966	Tr .028	.28 .18		(15) (16)
contact - 2 Qtz stringers - 20cm @ 108.9 & 10cm @ 104.9		107.3-107.6	0.3	D1967	.020	.12		(17)
107.3 Qtz stringer zone - minor								
109.0-109.5 Dissem pyrite in andesite lg cub. cubes to 1% - no Qtz.		109.0-109.5		D1968	Tr	.04		(18)
110-111.8 Qtz stringer zone brecciated by fault and pyritized - white Qtz lg cub. diss. py.		110 110-111.8	0.8	D1969	Tr	.02		(19)
118.1-118.6 Pyrite in andesite - lg. py. s		118.1-118.6	0.5	D1970	.082	.02		(20)
118.6-120.3 Elan vein - h.w. contact pyritic & cleared - fine grained network of pyrite veinlet		118.6-119.3 119.3-119.5 119.5-120.3	0.7 0.2 0.8	D1971 D1972 D1973	Tr .034 .015	.02 .02 .02		(21) (22) (23)
is cleared + white Qtz matrix @ h.w. - grades to white Qtz w long pyrite stylolites to c/a. lg. pyritic inclusions @ 119.3-119.5								
More intense semi-massive pyritic network against wall rock frag. None & sub pyrite veinlets - 3 to 4 per cm - few contact is 90° to c/a against a fairly competent pyritic fault gouge		120.3-120.5	0.5	D1974	.067	.28		(24)
120.3-120.8 Pyrite in Andesite		125						
127.7-128.0 Qtz veinlet w thin chloritic micaceous fractures traces of pyrite		127.7-128.0	0.3	D1975	Tr	.03		(25)

AJM EXPLORATIONS LTD.
MINERALS SECTION
DRILL LOG

PROJECT <i>Elan</i>	GROUND ELEV. <i>1237.67 m</i>												
HOLE No. <i>83 E33</i>	BEARING <i>350.0° (same as E-32, surveyed)</i>												
LOCATION <i>~ 6m w of L40 E + 92.5m S of B.L. Lat 1123.774 Dep. 8266.487</i>	DIP <i>5.3°³⁵ measured by Brunton</i>												
	TOTAL LENGTH <i>80.5 m</i>												
LOGGED BY <i>ALF Stewart</i>	HORIZONTAL PROJECT <i>46.45</i>												
DATE <i>Aug. 2, 1983</i>	VERTICAL PROJECT <i>65.73</i>												
CONTRACTOR <i>DJ Diamond Drilling</i>	<p style="text-align: center;">ALTERATION SCALE</p>  <p style="margin-left: 20px;">absent slight moderate intense</p>												
CORE SIZE <i>BQ</i>													
DATE STARTED <i>July 31, 1983</i>	<p style="text-align: center;">TOTAL SULPHIDE SCALE</p>  <p style="margin-left: 20px;">traces only < 1% 1% - 3% 3% - 10% > 10%</p>												
DATE COMPLETED <i>Aug 1, 1983</i>													
DIP TESTS													
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COMMENTS	LEGEND												
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	Lat	Dep											
<i>0 - 40.25 @ 53.5°</i>	<i>23.94</i>	<i>32.36</i>											
<i>40.25 - 80.5 @ 56°</i>	<i>22.51</i>	<i>33.37</i>											
	<hr/> <i>46.45</i>	<hr/> <i>65.73</i>											

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	M
					C A	Ep B	Ch C	D D	S E		
0				0-4.3 overburden							
4.3				Andesite flow - pale green grey grading towards light grey massive pillowed andesite							
10				Small silica rich patches in between pillows - def. nat vein or alteration - probably inter-flow chert							
11.3				11.3m - gtz veined w micaceous fractures of chlorite-sericite in the centre - no sulfides							
17.3				dolo alteration is intense at the f.w. contact, also f.w. is fractured & veined w dark chlorite + poss. mn veinlets							
17.3				17.3 - fault gouge							
20				clay altered frags, chloritic - mn veining + brecciation (pseudo-breccia) possible minor matrix							
20				intense dolo. - ground veinlets							
30				Gradational change to mod. green chl-calcite alteration							
30				minor gtz - carb veinlets							

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%	COMPOSITE ASSAYS
					Au (03)	Ag (08)		
11.3 - qtz veinlet <10cms no sulfides - not sampled white qtz + ser. chl.								
16.7 - Qtz stringer <10cms no sulfides, white qtz + ser + pass. weak matrix - not sampled								
17.7 - 18.0 Qtz vein - intensely ribbed w/ x cutting v.fg. pyrite fractures, minor sphalerite dissems		17.7-18.0	0.3	#3530	.135	.02		①
18.0 - 18.4 Pyritic Andesite w/ qtz stringers ~20% - minor shearing + oxidation, v.fg. pyritic fracs		18.0-18.4	0.4	D1991	.051	.13		②
22-23.0 m Qtz stringer zone w/ intense dol. alt'n, frac'n + clay alt'n - no ^{not} sulfides - Fe pyrite dissems.		22-22.7	0.7	D1992	Tr	.10		③
26.8 - Qtz stringer w/ x cutting chlorite sericite stringers minor diss py		26.7-26.9	0.2	D1993	Tr	.08		④



- SYMBOLS**
- Drift covered area: [Symbol]
 - Rock outcrop area of outcrop float: X (XXX) (X)
 - Geological boundary (defined, approximate interpreted): [Symbol]
 - Bedding, tops known (horizontal, inclined, vertical, overturned, dip unknown): [Symbol]
 - Bedding, tops unknown (inclined, vertical, dip unknown): [Symbol]
 - Schistosity, gneissosity, cleavage, foliation (horizontal, inclined, vertical, dip unknown): [Symbol]
 - Lineation, axes of minor folds (horizontal, inclined, vertical): [Symbol]
 - Dragfold (arrow indicates plunge): [Symbol]
 - Fault (defined, approximate, interpreted): [Symbol]
 - Fault (inclined, vertical): [Symbol]
 - Fault (solid circle indicates downthrow side, arrows indicate relative movement): [Symbol]
 - Thrust fault (approximate, interpreted): [Symbol]
 - Shearing and dip: [Symbol]
 - Joint (horizontal, inclined, vertical, dip unknown): [Symbol]
 - Syncline (defined, approximate): [Symbol]
 - Anticline (defined, approximate): [Symbol]
 - Anticline and syncline (overturned): [Symbol]
 - Intensity (weak, moderate, strong): [Symbol]
 - Quartz Vein: [Symbol]
 - Lithonite, carbonate, quartz porphyry altered ultrabasic: [Symbol]
 - Volcanics andesite flows, pillow flows, breccia, tuff: [Symbol]
 - Trench: [Symbol]
 - Adit or tunnel: [Symbol]
 - Rock dump or tailing: [Symbol]
 - Quarry or mine: [Symbol]
 - Shaft, raise, mine: [Symbol]
 - Diamond drill hole: [Symbol]
 - Contours: 2500 C1
 - Stream or creek (Perennial, intermittent): [Symbol]
 - Marsh: [Symbol]
 - Lake: [Symbol]
 - Road: [Symbol]
 - Jeep Road: [Symbol]
 - Trail: [Symbol]
 - Trees: [Symbol]

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**
12,490

ERICKSON GOLD MINING CORP.

ELAN I GROUP
GEOLOGY & DIAMOND DRILLING

Project No. 03 Mining Division 490

Latitude 59° 7' Longitude 22° 44'

NTS 04 D/E

To Accompany A Report By *R. M. [Signature]*
 Date: JULY, 1984

Map No. B

FIGURE 4