

825922

ASSESSMENT REPORT

DIAMOND DRILLING

on the

ERICKSEN-ASHBY CLAIMS

TAKU RIVER AREA

ATLIN MINING DIVISION

EA#1 and EA#2 CLAIMS

Map 104K/11W

58°36'N, 133°30'W

Owner

G. Rayner

Operator

ISLAND MINING & EXPLORATIONS CO. LTD.

900-475 Howe Street

Vancouver, B.C.

V6C 2B3

by

Brent Hemingway, B.Sc.

and Terence M. Elliott, M.S.

Geologists

12 February, 1982

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INTRODUCTION

The purpose of the work was to evaluate the downward extension of the surface mineralization on the Ericksen-Ashby property, and to locate new potential mineralized zones of economic interest.

The operation commenced June 1 and terminated July 15, 1981.

LOCATION AND ACCESS

The property is on the south side of the Taku River, about 130 km, south of Atlin and 64 km east of Juneau, Alaska. It is located at N 58°36', W 133°30' on the north end of Ericksen Mt., at an elevation of between 550 and 1400 metres.

Access is from Whitehorse or Atlin by fixed wing airplane to a gravel airstrip that is located near Tulsequah or by float-plane to the Taku River, about 4 km southwest of the property. The property can then be serviced by helicopter from those points.

Our camp was located near Mount Odgen at Border Lake, about 20 kilometers south of the property (Figure 1). Access to the drill sites on Ericksen-Ashby property from camp was by Hughes 500D helicopter.

TOPOGRAPHY AND CLIMATE

The upper west half of the property is mostly outcrop which is almost all accessible by foot. However, the lower west half of the property is very steep and only accessible by foot in a few places. At a point almost halfway up the

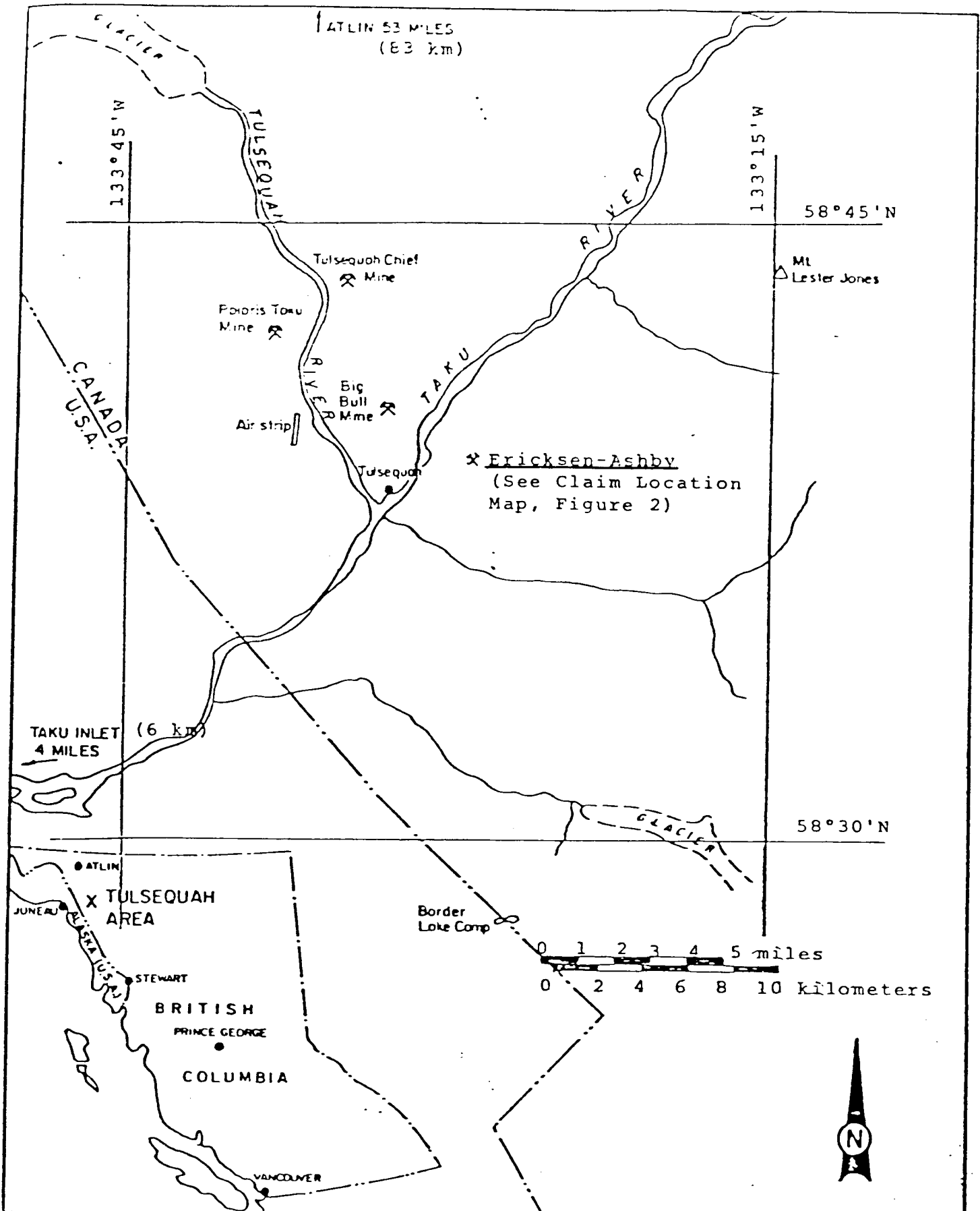


FIGURE 1

Area Location Map
 Island Mining & Explorations Co. Ltd.
 Ericksen-Ashby Project
TULSEQUAH B.C. AREA

west side of the maountain, there is a bench or break in the slope which results in a gently sloping ridge covered by trees and bushes with very few exposures of outcrop. The north half of the property is accessible by foot in only a few areas. The south and east half is totally inaccessible by foot and requires experienced mountain climbers to scale the cliffs.

In winter, the region receives heavy snowfalls which last until late May. The snowfields generally start to recede in mid-June due to sublimination or evaporation caused by the altitide rather than melt-water run-off. There are very few flowing creeks because of this effect but water for drilling purposes can be obtained from a small lake near the center of the property, at an elevation of 980 meters. In late July, only snowfields on the north and east side of the mountain exist, whereas on the south and west side they have completely evaporated away by early August. In summer, from early June to late August, the property receives abundant rainfall however this does not accumulate in flowing creeks but is absorbed by the ground. The most adverse weather conditions during the summer are caused by high winds with cloud or fog patches covering the area enabling work to be carried on an intermittant basis only. These conditions prevail for most of the summer; however, there are a few clear sunny days.

PREVIOUS WORK (The following old reports may have incomplete data)

- 1929 Mr. Ericksen and Ashby prospected the area resulting in staking the several sulphide zones; subsequently a small adit was started on Zone 1.
- 1930-
- 1950 Annual Assessment Work.
- 1951 Cominco optioned the property, conducted a surface geology and trenching program. (At this time, Cominco was operating the Tulsequah Chief and Big Bull mines

- across on the north side of the Taku River.)
- 1952 Drill program started by Cominco was abruptly terminated when a rock slide destroyed the work area. This resulted in only one hole drilled below the Glory Hole (top of the ridge) area.
- 1953-
- 1962 Annual Assessment Work.
- 1963 Trenching and surface exploration on Zone 8 conducted by Ericksen-Ashby Mining Company.
- 1964 Underground adit driven with 9 holes drilled from the end of the adit into a sulphide-rich skarn zone; program concluded because of lack of water for drilling.
- 1965 Zones 5, 8, 8A, 10, 11 and 12 in the northern half of the property were trenched. A self-potential survey conducted in the area of Zone 8 and 11 outlined several small anomalies.
- 1976 Property restaked by Mr. G. Rayner.
- 1979 Lacana Mining Corporation prepared a report and map. Property optioned by Semco Mining Corporation. Geologic map and report prepared by Mr. J.G. Payne, PhD.
- 1980 Anglo Canadian (Semco) Mining attempted to drill Zone 1, terminated due to lack of water. Island Mining & Explorations Co. Ltd. optioned the property.

CLAIMS AND OWNERSHIP (see Figure 2)

The claims are owned by Mr. G. Rayner, who staked two blocks, EA-1 (151) Atlin M.D., comprising four units and EA-2 (671) Atlin M.D., comprising eight units. Subsequently, the property was optioned to Anglo Canadian Mining Corporation, who then optioned the property to Island Mining & Explorations Co. Ltd, the operator.

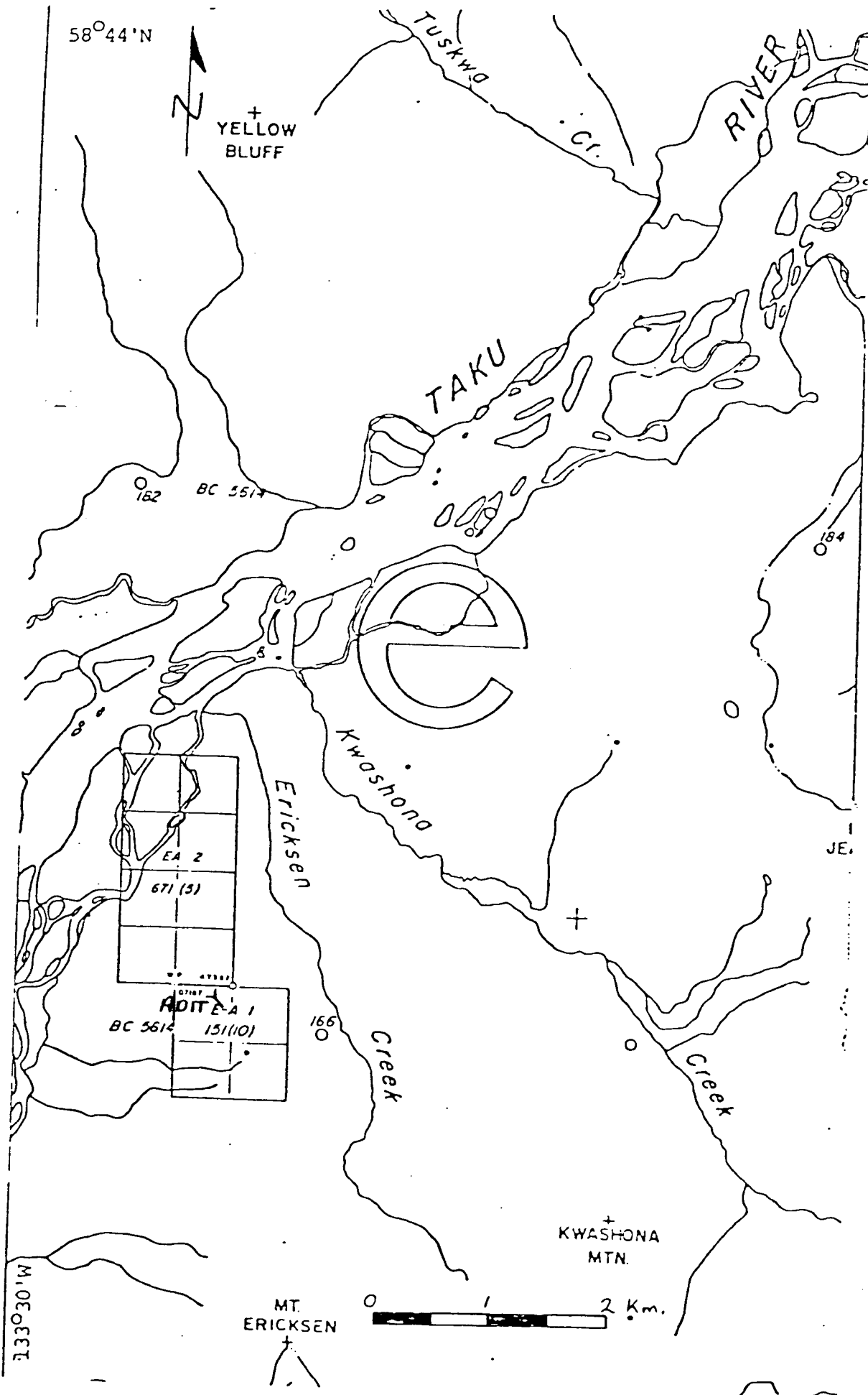


Figure 2. Claim Location Map

DRILL HOLE SUMMARY

PURPOSE AND PROPERTY GEOLOGY

The purpose of the drill program was to test the extent of the massive volcanogenic sulphide showings. The shape of these sulphide showings are roughly lensoid or podiform and roughly plunge 20° south. There are numerous sulphide pods or zones of mineralization on the property which all occur near the unconformable contact of a slightly metamorphosed, occasional brecciated chert-limestone sequence with a massive grey-green andesite-basalt unit. The chert-limestone is intermittently interbedded with these andesite flows; in a few places rhyolite occurs near the unconformable contact; this sequence dips about 75° southwest and strikes roughly northwest. The determination of stratigraphic tops is difficult due to the nature of the upper and lower unconformable contact between the chert-limestone unit and a massive andesite-basalt flow unit. Bedding within the chert-limestone unit is easily distinguishable by thin laminations of argillite or micrite. For a more detailed geologic description of the property refer to J. Payne's report dated September 1979.

WORK DONE

A longyear 38 drill owned and operated under contract by Arctic Diamond Drilling Ltd. of Whitehorse, Yukon was mobilized on June 1, 1981 and demobilized on July 15, 1981. During this period, a total of 888 metres of B.Q. core was drilled in 11 holes from three separate sites. With the exception of drill site 1, which was blasted, the preparation of the other sites required only manual labor. Water for drilling purposes was obtained from a combination of melt water run-off and a small creek 1000 metres west of the adit. Site one contained six short diamond drill holes of which required water to be pumped through 800 metres of pipe from a small creek 300 metres below. For the other sites, water

was obtained from a small lake which could adequately provide enough water for only 600 metres of diamond drilling. The Border Lake camp provided support and facilities for the crews. All equipment, supplies and crews were transported under contract with Rototech Helicopters of Delta, B.C., by a Hughes 500D helicopter.

DRILL HOLE SPECIFICATIONS

All core recovered was BQ.

Drill Hole	Location	Elevation (metres)	Azimuth	Dip	Depth (metres)
EA81-1'	Site 1, zone 1	1186	017°	-45°	48.2
EA81-2	Site 1, zone 1	1186	017°	-75°	61.0
EA81-3	Site 1, zone 1	1186	044°	-60°	54.9
EA81-4	Site 1, zone 1	1186	065°	-45°	36.9
EA81-5	Site 1, zone 1	1186	117°	-45°	89.3
EA81-6	Site 1, zone 1	1186	-	-90°	70.4
EA81-7	Site 2, zone 3	942	095°	-45°	166.5
EA81-8	Site 3, zone 8	841	011°	-45°	114.6
EA81-9	Site 3, zone 8	841	051°	-55°	90.2
EA81-10	Site 3, zone 8	841	051°	-75°	88.4
EA81-11	Site 3, zone 8	841	101°	-45°	67.1

CORE STORAGE LOCATION

Core from the Ericksen-Ashby property drilling was flown to the camp at Border Lake where it was logged and stored. The core shack is located at the north side of camp immediately southeast of the heliport. Ericksen-Ashby core is stored in the same rack as core from Omni Resources' Red Cap property.

RESULTS, INTERPRETATIONS, AND CONCLUSIONS

Site 1, Zone 1 (see Drill Hole Location and Property Geology Map in pocket)

Six holes were drilled from Site 1 at Zone 1. The first 4 holes which were drilled to the NNE to ENE all intersected an important zone of mineralization (see Appendix V for condensed drill logs and assay results). Hole 3 intersected 20.2 metres of mineralization with the best section from 33.5-42.7 metres assaying 4.94% lead, 4.22% zinc, and 16.54 oz/ton silver. Hole 4 intersected 5.1 metres of mineralization including a section from 27.1 to 30.1 metres which assays 6.42% lead, 6.20% zinc, and 18.30 oz/ton silver. Holes 5 and 6 intersected only minor mineralization.

Site 1 mineralization is found in rhyolite breccia in which the matrix surrounding the fragments is mineralized. Additional fragment types include chert, andesite, and limestone. Locally, garnetiferous zones in the breccias indicate metasomatic baking of limestone.

The presence of mineralized breccias suggest that the setting of this deposit is a volcanic vent or area adjacent to a rhyolitic volcanic vent. In this type of setting one might expect the mineralization to occur as lenses or pods; however, this hypothesis has not yet been proven as the mineralized zone is still open at depth and along strike to the north.

It is significant to a geologist's termination of drill holes that all holes drilled finished in barren grey green andesite. Evidence in hole 6 suggests that this andesite is a hangwall andesite; i.e., the stratigraphy has been overturned.

Two of the lines of evidence used for determining "way up" in the stratigraphy are as follows:

(1) at 34.5 metres in hole 6 there is a 5 cm thick bed of black argillite which is rippled and scoured on its lower contact suggesting that the beds are upside-down; i.e., overturned.

(2) from 45-45.8 metres in hole 6 there is an andesite flow below which there are angular fragments of andesite mixed with the once-overlying limestone. This evidence suggests that the original top of this partly eroded flow is down the hole; i.e., the flow has been overturned.

The footwall of the stratigraphic succession is now interpreted as being the often recrystallized limestones and limestone-argillite sequence in the upper section of the drill holes.

Site 2, Zone 3

Diamond drill hole EA81-7 was drilled to a depth of 166.5 metres across zone 3. No mineralization of significance was intersected. The first 63 metres mainly intersected chert and the last 103 metres were mainly in fine to medium grained detrital limestone.

Interbedded with the chert and limestone are beds of tuff, andesite, volcanic conglomerate, and tuff breccia. From 64.4-75.4 metres the volcanic conglomerate and tuff breccia contains both felsic and andesitic fragments.

It is interpreted that this section of rocks is farther out into the basin than the stratigraphy intersected in holes #1-6. Chert is certainly more abundant in hole #7 than in the previous 6 holes.

The writer (T.M. Elliott) thinks that this hole was terminated prematurely as it does not end in the hangwall andesite as do hole #1-6. In fact, the hole ends in carbonate-veined rhyolite breccia which is interpreted as

being a footwall (to the mineralized zone) rock unit.

Site 3, Zone 8

Four angled holes were drilled from site 3. All holes intersected a low grade zone of mineralization which is up to 21 metres (apparent thickness) thick in hole #8. The highest grade section of mineralization occurs in hole #9 where 15.1 metres averages 1.20% lead, 1.37% zinc, and 5.05 oz/ton silver.

Mineralization in holes #8-11 occurs interbedded with cherts. There is only locally minor amounts of rhyolite fragments associated with chert breccia. The mineralized zones occur in a sedimentary basin of mixed tuff and chert. For example, in hole #9 there is rhythmic bedding of chert and sulphide-rich sections containing 50% sulphides in a total of 20-30 cm out of each 1 metre section.

Since the sulphides are interbedded with chert in a sedimentary basin it is predicted that there will be a great potential for a large lateral extent to these mineralized horizons. The main problem is that the assays are too low to be commercial for bulk underground mining.

Holes #8 and #9 end in the hangwall andesite but holes #10 and #11 end in chert. Hence, there may have been potential for further intersections had holes #10 and #11 been drilled deeper.

In conclusion, it can be said that the drilling in the summer of 1981 showed that the surface sulphide showings in zones 1 and 8 do extend to depth. Ore grade intersections were made in zone 1 where lenses of rhyolite breccia are strongly mineralized. Farther out in the sedimentary basin where chert with minor limestone predominates the thickness of the sulphide zones are good but the intersected grades are low. Perhaps some open-pitabile material might be drilled off in zone 8.

Additional drilling is recommended in zone 1 to establish the total depth of the good-grade mineralization intersected in holes #3 and #4. In addition, drilling should be extended to the north to define that lateral limits of the ore grade mineralization. Drilling of the Glory Hole area should be of prime priority in the drill plans for the future. It is important that the tonnage and grade be established for this sizeable zone of mineralization, because it is the largest "plum" known thus far in the exploration of the Ericksen-Ashby property.

APPENDIX I

COST STATEMENT

Ericksen-Ashby Property

Statement of Costs

(306 m) June 6-July 15, 1981

1. Drilling			
Invoice #2207	\$ 53,679.20		
Invoice #2213	<u>31,792.80</u>	\$ 85,472.00	
Arctic Diamond Drilling			
2. Helicopter			
186.2 hours @ \$372.00/hr	69,266.40		
Fuel 186.2 hours X 22 gal/hr			
X \$4.46/gal.	<u>18,269.94</u>	87,536.34	
3. Salaries			
G. Clouthier, geologist			
24 days @ 125	3,000.00		
B. Hemingway, geologist			
40 days @ 110	4,400.00		
K. Orleski, manager			
21 days @ 100	2,100.00		
D. Bergvinson, assistant			
23 days @ 55	1,265.00		
P. Farley, assistant			
47 days @ 70	3,290.00		
M. Jack, assistant			
13 days @ 70	910.00		
M. Kamras, assistant			
56 days @ 55	3,080.00		
R. Schmidt, assistant			
18 days @ 80	1,440.00		
D. Schmidt, assistant			
18 days @ 65	1,170.00		
N. Schmidt, assistant			
18 days @ 55	990.00		
G. Schmidt, assistant/cook			
18 days @ 65	1,170.00		
C. Doulet, cook			
45 days @ 75	<u>3,375.00</u>		
total 341 days	26,190.00		
+ 15% fringe	<u>3,928.50</u>	30,118.50	

4. Camp costs		
Food - 4 drilling contractors, pilot and salaried employees	10,610.77	
Fuel - drill & camp fuel	5,292.50	
Camp supplies and set up	14,773.57	
Fixed wing support	<u>10,037.67</u>	40,714.51
5. Consulting fees		
Holcapek Engineering Ltd.		3,468.97
6. Assaying -		
Analysis of 100 samples for percent or oz/T of Cu, Pb, Zn, Cd, Ag, Au, Ni		1,986.85
7. Travel		
To and from work site		4,200.00
8. Drafting & report preparation		<u>1,200.00</u>
		<u>\$254,697.17</u>

APPENDIX II

STATEMENT OF QUALIFICATIONS

AUTHOR'S QUALIFICATIONS

I, Terence M. Elliott have the following education and work experience:

1. I am a Geologist residing at #309 - 6001 Yew Street, Vancouver, British Columbia, V6M 3Y7.
2. I graduated from the University of British Columbia in 1967 with a Bachelor of Science in Honours Geology. I also received a Master of Science in Geology from Stanford University, California, in 1973.
3. I have practised my profession for 14 years.
4. I logged diamond drill holes EA81-6 and 81-7 and parts of holes EA81-8 and 81-9.
5. Most of this report was written by Mr. B. Hemingway. I have only written the sections on "References", "Core Storage Location", and "Results, Interpretations and Conclusions".

APPENDIX III

ASSAY CERTIFICATES



CHEMEX LABS LTD.

212 BROOKSBANK AVE
 NORTH VANCOUVER, B.C.
 CANADA V7J 2C1
 TELEPHONE (604)984-0221
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ASSAY

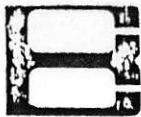
TO : ISLAND MINING & EXPLOR. CO. LTD;
 900-475 HOWE ST;
 VANCOUVER, B.C.
 V6C 2B3

CERT. # : A8111679-001-A
 INVOICE # : I8111679
 DATE : 29-JUN-81
 P.C. # : NONE

Sample description	Prep code	Cu percent	Pb percent	Zn percent	Cd percent	Ag (FA) oz/t	Au (FA) oz/t
SI-1EA 88401 102-112	207	<0.01	0.55	1.15	0.011	1.30	<0.003
SI-1EA 88402 112-113	207	<0.01	0.54	1.37	0.014	1.52	<0.003
SI-1EA 88403 112-122	207	<0.01	1.34	1.46	0.016	2.32	0.003
SI-1EA 88404 122-123	207	<0.01	1.19	2.06	0.024	2.34	<0.003
SI-1EA 88405 122-132	207	<0.01	2.20	3.91	0.044	3.00	<0.003
SI-2EA 88406 146-151	207	<0.01	0.28	0.41	0.005	0.58	<0.003
SI-2EA 88407 151-154	207	<0.01	0.06	0.04	<0.001	0.26	<0.003
SI-2EA 88408 154-155	207	<0.01	1.51	10.10	0.114	5.12	<0.003
SI-2EA 88409 158-162	207	<0.01	2.45	5.06	0.057	6.00	0.010
SI-2EA 88410 162-163	207	<0.01	0.65	1.22	0.013	3.38	0.003
SI-2EA 88411 163-172	207	<0.01	0.41	1.17	0.013	1.20	0.003
SI-2EA 88412 172-176	207	<0.01	0.10	0.28	0.002	0.34	<0.003
SI-2EA 88413 107 1/2 - 110	207	<0.01	0.40	0.71	0.008	1.68	<0.003
SI-3EA 88414 110-115	207	0.01	2.06	0.40	0.005	28.78	0.062
SI-3EA 88415 115-120	207	0.01	2.06	4.50	0.051	8.98	0.010
SI-3EA 88416 120-125	207	0.01	13.70	2.87	0.036	37.36	0.036
SI-3EA 88417 125-130	207	<0.01	4.40	6.62	0.067	10.22	0.005
SI-3EA 88418 130-135	207	<0.01	4.62	6.62	0.068	6.36	0.003
SI-3EA 88419 135-140	207	<0.01	2.78	4.30	0.048	7.54	0.005
SI-3EA 88420 140-145	207	<0.01	0.31	3.58	0.039	0.80	<0.003
SI-3EA 88421 145-150	207	<0.01	0.33	1.89	0.019	0.62	<0.003
SI-3EA 88422 150-155	207	<0.01	0.59	1.24	0.013	1.78	0.003
SI-3EA 88423 155-160	207	<0.01	0.64	1.18	0.012	1.24	0.003
SI-3EA 88424 160-165	207	<0.01	0.16	0.60	0.005	0.58	<0.003
SI-3EA 88425 165-170	207	<0.01	0.11	0.63	0.005	0.34	<0.003
SI-3EA 88426 170-174	207	<0.01	0.06	0.21	0.002	0.20	<0.003

B. Stewart

Registered Assayer, Province of British Columbia



BONDAR-CLEGG & COMPANY LTD.

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 4X1

PHONE: (403) 667-6523
TELEX: 036-8-460

Certificate of Analysis

TO Island Mining
Project: Ericksen-Ashby Program

REPORT NO. ...A41-142.....

DATE ..Aug. 14, 1981.....

I hereby certify that the following are the results of analyses made by us upon the herein described ...rock..... samples

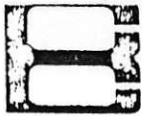
MARKED	oz/ton	%	%	%	%	%	oz/lm	Hub [#]	Depth
	Ag	Cu	Pb	Zn	Cd	Ni	A _w		
EA 81-4 { 88428 5 ft. 88429 samples. 88430	3.14	0.02	1.69	3.35	0.03	L0.01	0.01	EA 81-4	84-89'
	25.1	0.01	7.48	7.16	0.07	L0.01	0.06		84-94'
	11.5	0.01	5.35	5.24	0.06	L0.01	0.03		94-97'
EA 81-6 24001C 1 meter	1.61	L0.01	0.41	4.70			0.02	EA 81-6	60.6-61.6 m.

NOTE: Gold to follow: L denotes less than.

Rejects retained two weeks
Pulps retained three months

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Steven Lewis



BONDAR-CLEGG & COMPANY LTD.

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 4X1

PHONE: (403) 667-6523
TELEX: 036-8-460

Certificate of Analysis

TO Island Mining
Project: Ericksen-Ashby Program

REPORT NO. . . A41-142

DATE Aug. 14, 1981

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton	%	%	%	%	%	H ₂ O	DEPTH	oz/ton
	Ag	Cu	Pb	Zn	Cd	Ni			Au
EA 81-8	24401	1.02	L0.01	0.35	1.25		EA 81-8	37.6-41.1	0.01
	24402	0.29	L0.01	0.05	0.23			41.1-42.6	0.002
	24403	1.21	L0.01	0.37	0.97			42.6-44.1	0.01
	24404	0.99	L0.01	0.04	0.45			44.1-45.6	L.002
	24405	0.70	L0.01	0.11	1.11			45.6-47.1	0.020
	24406	0.19	L0.01	0.07	0.40			47.1-48.6	L0.002
	24407	0.28	L0.01	0.10	0.06			48.6-50.1	0.002
	24408	1.61	L0.01	0.65	1.22			50.1-51.6	0.002
	24409	1.45	L0.01	0.66	0.42			51.6-53.1	0.002
	24410	0.60	L0.01	0.10	0.12			53.1-54.6	L0.002
	24411	8.30	L0.01	2.68	4.00			54.6-56.1	0.002
24412	2.12	L0.01	1.08	1.36		56.1-57.6	0.002		
24413	0.64	L0.01	0.20	1.04		57.6-59.1	0.002		
24414	1.69	L0.01	0.64	1.60		59.1-60.6	0.015		
A 81-4 88427	1.50	L0.01	0.42	1.78	0.02	L0.01	EA 81-4	82-84'	0.015

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NOTE: Gold to follow; L denotes less than.
Rejects retained two weeks
Pulps retained three months



BONDAR-CLEGG & COMPANY LTD.

136B INDUSTRIAL RD, WHITEHORSE, YUKON Y1A 4X1

PHONE: (403) 667-6523
TELEX: 036-8-460

Certificate of Analysis

ATTN: Mr. E. Bergvinson

Omni Resources
900 - 475 Howe Street
Vancouver, B.C.
V6C 2B3

REPORT NO. A41-158

DATE August 24, 1981

Ericksen-Ashby Project

I hereby certify that the following are the results of analyses made by us upon the herein described rock samples

MARKED	oz/ton	oz/ton	%	%	%	%	%	H.L.#	DEPTH
	Ag Au.	Ag	Cu	Pb	Zn	Mo	Cd	ACBT	
24034 } Hole #1	0.005	3.30	2.95		0.26	L0.005		RC81-1	99.4 - 102.4m
24035 } Hole #1	0.002	1.59	1.65		0.11	L0.005		RC81-1	102.4 - 105.5m
24415 } Hole #3	0.002	3.07	0.01	1.34	1.10		0.01	EA81-9	23.3 - 26.20m
24416 } EA	0.002	7.52	L0.01	1.35	1.25		0.01	EA81-9	26.2 - 29.30m
24417 } EA	0.002	7.30	L0.01	1.60	2.00		0.02	EA81-9	29.3m - 32.3m
24418	0.002	4.96	L0.01	0.85	1.63		0.01	EA81-9	32.3 - 35.4m
24419	0.002	2.42	L0.01	0.85	0.89		0.01	EA81-9	35.4 - 38.4m
24420	0.005	0.95	L0.01	0.14	0.45		L0.01	EA81-9	38.4 - 39.6m

L - denotes less than.

BONDAR-CLEGG & COMPANY LTD.

NOTE:

Rejects retained two weeks
Pulps retained three months
unless otherwise arranged

..... *Steven Simpson*



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TELEPHONE (604)984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ASSAY

TO : OMNI RESOURCES INC.,
STE. 900-475 HOWE ST.,
VANCOUVER, B.C.
V6C 2B3

CERT. # : A8114547-001-A
INVOICE # : I8114547
DATE : 02-NOV-81
P.O. # : NONE

Sample description	Prep code	Cu %	Pb %	Zn %	Ag FA oz/T	Au FA oz/t	
91-10 24421 128-131	207	<0.01	1.06	1.20	2.52	0.012	--
24422 138-143	207	<0.01	1.37	2.87	3.06	0.006	--
24423 143-145	207	<0.01	0.66	0.74	1.94	0.006	--
24424 187-192	207	<0.01	0.06	0.02	0.12	<0.003	--
24425 192-196.5	207	<0.01	0.11	0.39	0.38	<0.003	--
81-11 24426 86-88	207	0.01	0.42	1.18	1.24	<0.003	--
24427 96-101	207	<0.01	0.59	1.56	1.48	<0.003	--
24428 101-106	207	<0.01	1.37	3.10	3.42	0.010	--
24429 106-110	207	<0.01	0.78	0.96	1.36	0.006	--

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Registered Assayer, Province of British Columbia

APPENDIX IV

REFERENCES

REFERENCES

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APPENDIX V

CONDENSED DRILL LOGS

COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : - PROJECT : Ericksen-Ashby HOLE No. : EA81-1
 CASING COLLAR ELEV: 1187 metres GROUND ELEV: 1186 metres DATE STARTED : 06/06/81 PAGE No. : 1 OF 1
 COORDINATES : site 1 N zone 1 E DATE FINISHED : 09/06/81 REF. TO CLAIM CORNER :
 INCLINATION : -45° AZIMUTH : 017° TOTAL DEPTH : 48.2 m LOGGED BY : B. Hemingway

DEPTH (m)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS: Condensed drill-log	AVG. CORE RECY/HOLE 95%	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (m)	ASSAYS					
																	Cu	Pb	Zn	Ag	Cd	
0								coarse blocky limestone-argillite talus														
4.8							LMST-ARGILLITE	banded limestone-argillite (slightly metamorphosed) coarse grained cream-colored marble (recrystallized) interlayered with thin bands of dark argillite. Bedding planes 30°-40° to core axis. Fracturing: Two sets; 20°-40° and 50°-70° to core axis.														
							LMST-ARGILLITE	- At 12.8 metres coarse grained, dark green angular fragments of andesite within limestone-argillite matrix														
							LMST-ARGILLITE	- From 23.2 to 28.7 coarse crystalline massive cream-colored limestone, very little argillite, bedding planes indistinct.														
32.6							LMST-ARGILLITE	- At 32.0 metres, gradational contact from limestone argillite to limestone-skarn breccia														
							LMST-ARGILLITE	- At 34.0 metres, massive sulphides, galena, sphalerite, pyrite, pyrrhotite within matrix occur with banded angular chert fragments (rhyolite fragments). Contact, gradational from mineralized zone to limestone-skarn breccia														
							LMST-ARGILLITE	- At 37.2 metres, 30 cm wide andesite, tight contact at 50° to core axis.														
10.2							AND.	- At 40.2 metres, broken contact, dark grey-green amygdaloidal andesite-basalt volcanics														

COMPOSITE DRILL LOG

CORE SIZE : BQ SCALE : - PROJECT : Ericksen-Ashby HOLE No. : EA81-2
 CASING COLLAR ELEV: 1187 GROUND ELEV: 1186 metres DATE STARTED : 10/06/81 PAGE No. 1 OF 1
 COORDINATES : site 1 N zone 1 E DATE FINISHED : 12/06/81 REF. TO CLAIM CORNER :
 INCLINATION : -75° AZIMUTH : 017° TOTAL DEPTH : 61.0 m LOGGED BY : B. Hemingway

DEPTH (m)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS: Condensed drill-log	AVG. CORE REC'Y/HOLE 95%	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (m)	ASSAYS					
																	Cu	Pb	Zn	Ag	Cd	
4.0							LIMESTONE-ARGILLITE	Talus - limestone-argillite rubble														
							LIMESTONE-ARGILLITE	Bedrock at 4.0 m; limestone-argillite (recrystallized) coarse grained milky-white massive marble with thin bands of dark argillite. Bedding planes 40°-50° to core axis. Fracturing: Two sets; 20°-40° and 70°-80° to core axis.														
							LIMESTONE-ARGILLITE	At 4.87 m grey-green andesite block, 0.7 m wide, contacts broken														
							LIMESTONE-ARGILLITE	At 6.86 m grey green andesite, contact tight top at 70°, bottom at 20°, 0.7 m wide														
							LIMESTONE-ARGILLITE	At 12.80 m - andesite 0.7 m wide top contact at 70°, bottom at 30°									44.5					
							LIMESTONE-ARGILLITE	From 31.1 to 32.9 m] white, massive, featureless and 36.6 to 41.1 m] recrystallized limestone									46.0	.01	.28	.41	.58	.00
41.1							AND. LIMESTONE-ARGILLITE	Broken contact at 41.1 metres - grey green andesite, very fine grained, galena and pyrrhotite in some fractures									46.9	.01	.06	.04	.26	.00
44.5							AND. LIMESTONE-ARGILLITE	Broken contact at 44.5 m - limestone-skarn breccia with fragments of andesite, rhyolite and limestone									48.2	.01	1.51	1.01	5.12	.11
							AND. LIMESTONE-ARGILLITE	Broken contact at 44.5 m - limestone-skarn breccia with fragments of andesite, rhyolite and limestone									49.4	.01	2.45	5.06	6.0	.05
							AND. LIMESTONE-ARGILLITE	Mineralized zone, galena, pyrrhotite, sphalerite, with brecciated rhyolite fragments									50.9	.01	.65	1.22	3.38	.01
							AND. LIMESTONE-ARGILLITE	At 46.3 m, irregular contact at 0° with andesite (1.0 m wide)									52.4	.01	.41	1.17	1.2	.01
54.3							ANDESITE BRECCIA	At 54.3 m, broken contact 3.7 m wide with grey-green massive, very fine grained amygdaloidal andesite-basalt volcanics. Rubble contains rusty fractures, calcite, & grey limestone fragments									53.6	.01	.10	.28	.34	.00

COMPOSITE DRILL LOG

CORE SIZE BQ SCALE - PROJECT Ericksen-Ashby HOLE No. EAB1-4
 CASING COLLAR ELEV: 1187 GROUND ELEV: 1186 metres DATE STARTED: 16/06/81 PAGE No. 1 OF 1
 COORDINATES: site 1 N zone 1 E DATE FINISHED: 17/06/81 REF. TO CLAIM CORNER:
 INCLINATION: -45° AZIMUTH: 065° TOTAL DEPTH: 36.8 m LOGGED BY: B. Hemingway

DEPTH (m)	ALTERATION			FRACTURING	MINERALS	GEOLOGY	COMMENTS: Condensed drill-log	AVG. CORE REC'Y/HOLE	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (m)	ASSAYS							
																Cu	Pb	Zn	Ag	Cd			
4.3						LMST-ARG.	Talus - limestone argillite rubble Bedrock at 4.3 m coarse grained, milky-white massive (recrystallized) limestone with thin bands of dark grey argillite (micrite?) intermittently spaced. Bedding planes of argillite are generally between 50°-70° to core axis - At 11.6 m andesite, fine grained, contacts irregular, about 0.3 m wide	90%															
12.7						AND.	- Contact at 12.7 m - Andesite, grey-green, amygdaloidal very fine grained, amygdals increase in size from top to bottom, Top contact: tight at 60°, bottom contact: sharp broken (rounded fragments) at 60°. Limestone						88427	100	25.0								
14.0						LMST.	contact at 14.0 m. - From 18.9 to 22.6 cloudy-white, massive, featureless, recrystallized, fine to medium grained limestone.						88428	100	25.6	.01	.42	1.78	1.50	.02			
22.6						LMST.	- At 22.6 m, limestone-skarn breccia, contact diffused and gradational. Fragments of rhyolite, skarn, limestone occur in a matrix of chert and limestone. Brecciated rhyolite fragments contain sulphides. Mineralized zone at 26.8 m						88430	100	27.1	.01	1.69	3.35	3.14	.03			
						BRECCIA	- massive sulphides, galena, sphalerite, pyrrhotite-pyrite occur with rhodonite and brecciated rhyolite.						429	100	28.7	.01	7.48	7.16	2.51	.07			
30.2						AND.	- End of zone at 30.2 m contains fragments of andesite. Tight, sharp (1 mm) contact at 30.2 m with grey-green, massive andesite						428	100	30.1	.01	5.35	5.24	1.15	.06			

COMPOSITE DRILL LOG

CORE SIZE : B0 SCALE : - PROJECT : Ericksen-Ashby HOLE No. : EA81-6
 CASING COLLAR ELEV. : 1187 metres GROUND ELEV. : 1186 metres DATE STARTED : 22/06/81 PAGE No. : 1 OF 1
 COORDINATES : N. E. DATE FINISHED : 23/06/81 REF. TO CLAIM CORNER :
 INCLINATION : -90° AZIMUTH : - TOTAL DEPTH : 69.7 m LOGGED BY : T.M. Elliott

DEPTH (m)	ALTERATION				FRACTURING	MINERALS	GEOLOGY	COMMENTS: Condensed drill log	AVG. CORE REC'Y/HOLE 95%	DRILLING INTERVAL	% CORE RECOVERED	% SULPHIDES	ESTIMATED	SAMPLE No.	% SAMPLE RECOVERED	SAMPLE INTERVAL (m)	ASSAYS					
																	Cu	Pb	Zn	Ag	Cc	
3.7							AND. LMST: ARGIL.	Talus - no core - limestone-argillite debris Bedrock at 3.7 m. detrital, light to medium gray limestone with dark bands of argillite at 35-50° to core axis (c/a) From 5.4 m to 7.1 m dark green andesite, upper contact at 60° to core axis, broken lower contact From 16.0-17.1 m dark green andesite, contacts parallel to bedding, no silicified margins. At 22.9 m sharp, upper contact, at 45° c/a, of dark green andesite. Bleaching along lower contact.														
2.9							AND.	Coarse grained, generally massive, limestone some banding at 50° c/a; thin and irregular, At 35.4 m 5 cm of black argillite band, rippled and scoured on lower contact in core bedding is upside down From 45.0-45.8 m, dark green andesite, contacts at 45° to c/a. Upper contact represents a regolith. From 48.1-49.4 m dark green aphanitic andesite irregular contacts. From 51.8-53.3 m andesite, sharp upper and lower contacts at 45° and 60°, respectively, to c/a Mineralized zone from 60.6-61.6 m. Dark grey sulphides, galena, sphalerite, pyrite in a siliceous matrix. Top contact is sharp at 60° with limestone. Sharp bottom contact at 60° with massive, dark green andesite.							24001	100	60.6 61.6	.01	.41	4.70	1.61	-
6.2							LIMESTONE															
11.0							AND.															
19.7																						

