

J.C. STEPHEN EXPLORATIONS LTD.

A PRELIMINARY EVALUATION
OF GOLD IN SOIL AND SEDIMENT SAMPLES
FROM BRITISH COLUMBIA

RE ALDER + SWAN

by

S.A. Averill

OVERBURDEN DRILLING MANAGEMENT LIMITED

DECEMBER 1981

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INTRODUCTION

In 1981, J.C. Stephen Explorations Limited submitted to Overburden Drilling Management thirty-two "deep soil and large sediment" samples from an unspecified gold property in British Columbia. Overburden Drilling Management prepared heavy mineral (S.G. greater than 3.3) and mid-density (S.G. 2.8-3.3) concentrates from the minus 1700 micron fraction of these samples to assist in isolating any gold mineralization. Our concentrating procedures, which are centered on a modified shaking table system and include a count of the gold grains visible on the table, are summarized in Figure 1, and the weights of the various sample fractions are shown in Table 1.

J.C. Stephen requested that we examine both heavy and mid-density concentrates to determine mineralogy and gold content; however, the analytical work by Chemex Laboratories (Appendix A) indicated that only the heavy fraction contained significant concentrations of gold, and we therefore concentrated our work on that fraction. The heavy minerals were logged with the binocular (Appendix B), and selected minerals were confirmed by X-ray analysis at Carleton University, Ottawa. To correct the gold anomalies for broad variations in sample size and concentrate weight, the gold content was recalculated on the basis of micrograms Au/kg shaking table feed. To supplement the heavy minerals data, the clast suites of all samples were briefly logged (Table 2). All of the above work is summarized in Table 3.

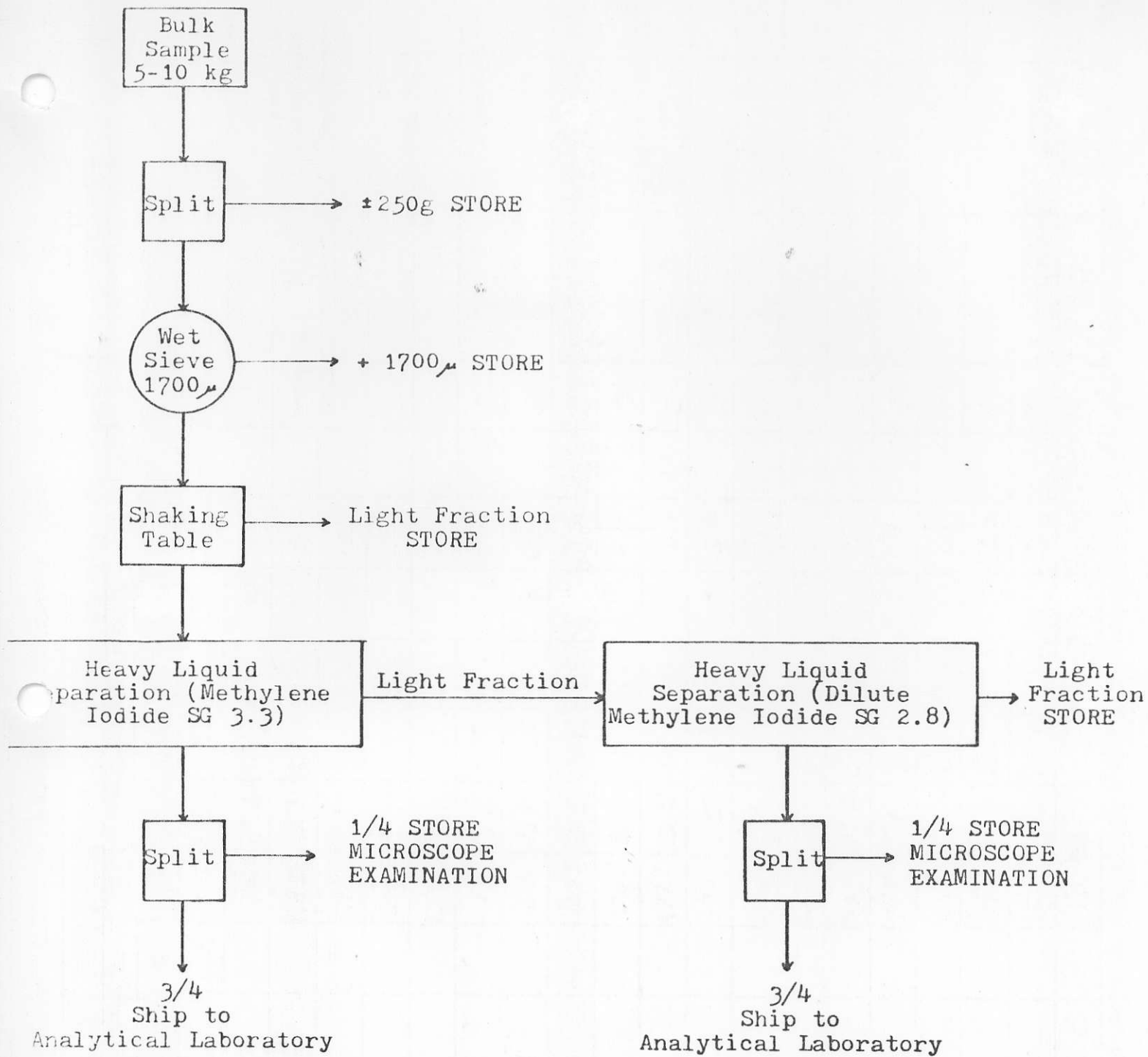


Fig. 1 - Sample processing flow sheet.

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LABORATORY SAMPLE LOG

Sample Number	Weight (kg. wet)			Weight (grams, dry)								Grains V.G.	Description		Classification
	Table Split	+ 10 Rock Chips	- 10 Table Feed	Geochem Split		Table Conc.	Heavy Mineral Conc.			Mid Density Conc.	+ 10		Matrix		
				Whole	-63 μ		Non-mag	Mag	Lights						
81-AU A-01	4.5	15	30			65.7	13.6	0.1	64.1	7.9	0		Unsorted brown ore with clay		
A-03	6.0	30	30			179.2	2.7	0.1	150.0	26.4	0		Unsorted dark brown with clay		
A-05	25	40	25			171.2	1.1	0.3	157.6	12.3	0		"		
A-07	55	25	30			180.05	1.2	0.05	176.6	2.2	0		Unsorted brown with orange clay		
A-08(18)	5.5	35	20			85.35	8.1	0.05	61.1	16.1	0		Unsorted brown with clay		
A-09	6.0	36	24			47.95	4.9	0.05	135.1	7.9	0		Unsorted brown-orange with clay		
A-11	5.0	20	30			76.6	16.8	0.05	53.6	6.2	0		Unsorted dark brown with clay		
A-13	5.0	22	23			150.95	38.5	0.05	98.9	13.5	0		Unsorted light brown with brown clay		
A-15	5.0	23	27			85.05	32.2	0.05	37.7	9.1	0		Unsorted brown with dark brown clay		
A-17	5.5	23	32			497.1	336.8	1.2	93.1	66.0	0		Unsorted gold with brown clay		
A-19	6.0	27	23			87.1	3.5	0.2	70.3	13.1	0		Unsorted dark-brown with clay		
A-20	5.5	10	45			54.6	17.8	0.2	29.5	7.1	0		"		
A-21	6.5	30	35			425.8	63.1	0.9	279.5	82.3	0		Unsorted brown with clay		
A-22	5.5	15	40			80.7	23.8	2.3	44.1	9.5	0		"		
A-23	6.5	30	25			74.4	5.1	0.2	59.2	9.9	0		"		
A-25	5.0	20	30			54.3	11.3	0.1	36.8	6.1	0		"		
A-503	5.0	1.5	2.5			197.15	37.8	0.05	126.8	30.5	0		"		
Z-02	4.0	Few Pebs	4.0			237.1	0.2	0.1	231.6	5.2	0		Sorted brown with clay		
Z-03	4.5	Few Pebs	4.5			275.9	2.8	0.2	257.6	15.1	0		"		

Table 1 - Sample Weights

SAMPLE NUMBER	CLAST LITHOLOGY (VOLUME %)			REMARKS	
	SEDIMENTS		INT./MAF. VOLC.		GRANITIC
	QUARTZOSE	OTHER			
81-Au-A-01	80				
03	40			40	
05					Intensely oxidized. Mostly mafic volcanics / intrusives.
07		60		5	No large pebbles
08			70		
09		70			
11	50	20			Quartzose sediments partly white.
13	80				Quartzose sediments mainly white.
15	80				Quartzose sediments mainly white.
17					Intensely oxidized. Lithologies not determined.
19	80				Quartzose sediments - gray
20			30	40	
21		50		10	
22	50	30			No large pebbles. 50% quartzose sediments - white.
23	80				
25	70				

Table 2 - Clast Logs

SAMPLE NUMBER	CLAST LITHOLOGY (VOLUME %)				REMARKS
	SEDIMENTS		INT./MAF. VOLC.	GRANITIC	
	QUARTZOSE	OTHER			
81-Au-A-27					Intensely oxidized. Mostly fine-grained sediments.
503					No large pebbles. Mostly white quartzose sediments.
1003					No large pebbles. Intensely oxidized. Lithologies not determined
1004	20	20	10	20	
1007					No pebbles
81-Au-Z-02					No pebbles
03					No pebbles
04					No pebbles
05					No pebbles
06					No pebbles
08					No pebbles
09					Few pebbles
10					No pebbles
11					No pebbles
12					Few pebbles
13					Few pebbles

Table 2 - Clast Logs

SAMPLE NUMBER	WEIGHT (kg) -1700 μ SAMPLE	WEIGHT (gm) NON-MAG -1700 μ H.M.	GOLD COUNT		H.M. CONCENTRATE MINERALOGY (VOLUME %)				CLAST LITHOLOGY (VOLUME %)					
			H.M. (ppb)	-1700 μ SAMPLE (micrograms per kg.)	GARNET	GREEN MINERAL	GOETHITE	EPIDOTE	SEDIMENTS		INT./ MAF. VOLC.	GRANITIC		
									QUARTZOSE	OTHER				
81-Au-A-01	3.0	13.6	<10	<0.04	90		5			80				
03	3.0	2.7	90	0.08	95					40				40
05	2.5	1.1	50	0.02		80	10							
07	3.0	1.2	<50	<0.02			90				60			5
08	2.0	8.1	<10	<0.04			2	97				70		
09	2.4	4.9	<50	<0.1	90		5				70			
11	3.0	16.8	<10	<0.06	90		2			50	20			
13	2.8	38.5	80	1.1	98		1			80				
15	2.7	38.2	<10	<0.1	98					80				
17	3.2	336.8	<10	<1.1	65			30						
19	3.3	3.5	<50	<0.05	90		<5			80				
20	4.5	17.8	<10	<0.04	25		5	70				30		40
21	3.5	63.1	180	3.2	70			20			50			10
22	4.0	23.8	140	0.8	60		30			50	30			
23	3.5	5.1	50	0.07	95					80				
25	3.0	11.3	50	0.2	95		<5			70				
27	5.0	1.0	1300	0.3		10	70							
503	3.5	39.8	20	0.2	98									
1003	3.0	1.6	6000	3.2	70	5	20				20			
1004	3.7	2.5	70	0.05	80	5	5			20	20	10		20
1007	7.0	30.6	180	0.8	75	5	5							

Table 3 - Metal/Mineral/Clast Associations.

SAMPLE NUMBER	WEIGHT (kg) -1700 μ SAMPLE	WEIGHT (gm) NON-MAG -1700 μ H.M.	GOLD COUNT		H.M. CONCENTRATE MINERALOGY (VOLUME %)				CLAST LITHOLOGY (VOLUME %)			
			H.M. (ppb)	-1700 μ SAMPLE (micrograms per kg.)	GARNET	GREEN MINERAL	GOETHITE	EPIDOTE	SEDIMENTS		INT./ MAF. VOLC.	GRANITIC
									QUARTZOSE	OTHER		
81-Au-7-02	4.0	0.2	200	0.01		10	80					
03	4.5	2.8	<50	<0.03	65	15	15					
04	7.0	123.7	60	1.06	80	5	10					
05	6.5	42.0	1680	10.9	60		35 ilmenite					
06	6.0	107.4	240	4.3	65	15	15 ilmenite					
08	7.0	18.2	320	0.8		85	10					
09	7.9	74.3	30	0.3	90		5					
10	8.5	30.4	200	0.7	90	2	5					
11	8.0	87.6	10	0.1	95		<5	<5				
12	10.0	39.9	10	0.04		95	<5					
13	11.5	32.1	840	2.3		95	<5					

Table 3 - Metal/Mineral/Clast Associations.


OBSERVATIONS

We have noted the following:

1. The samples are oxidized and are assumed to be residual soils, but the unsorted samples (Table 1) may alternatively be tills and the sorted samples may be glacial sands and gravels.
2. The clast suites, where recognizable under the oxidation overprint, comprise variable proportions of fine-grained sedimentary rocks (predominantly quartzose varieties), granitic rocks, and intermediate/ mafic volcanic rocks. Samples of the "Z" series are deficient in clasts and are assumed to be sands; however they could be unsorted samples from which J.C. Stephen has sieved the coarse fraction.
3. Most of the heavy mineral concentrates consist primarily of garnet. The garnet is variably yellow-green, grey, colourless or resinous brown -- not pink -- and is identical to the mineral that was visually classified as clinozoisite in our earlier report on a Queen Charlotte Islands gold property. Other common heavy minerals include red-brown limonite/goethite (locally pseudomorphing cubic pyrite), crystalline epidote and an amorphous green mineral that may also be epidote.

4. After correcting for variable sample weights, the best gold values occur in sorted sand samples No. 05 and 06 of the "Z" series. The corresponding mid-density concentrates are non-anomalous, indicating that the gold is in the free state rather than aggregated with lighter minerals or rock chips. No gold was noted on the shaking table, and it is assumed that the grains are smaller than the minimum 80-100 micron size that can be readily identified. Ilmenite occurs in the concentrates of these auriferous samples and is absent from all other concentrates.

5. Samples No. 21 and 1003 of the "A" series are also anomalous in gold, but assuming that these samples are of residual soils, the anomalies are too weak to be considered significant.


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S. Averill

- APPENDIX A -

ANALYSES



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 ANALYSIS

: STEPHEN, J.C. EXPLORATION LTD;
1458 RUPERT ST;
NORTH VANCOUVER, B.C.
V7J 1E9

CERT. # : A8111347-001-A
INVOICE # : I8111347
DATE : 16-JUN-81
P.O. # : NONE

ATTN: J. PAULTER cc. OVERBURNDEN-DRILLING MANAGE. LTD.

Sample description	Prep code	AS ppm	Au - (AA) ppb				
81-AU-A-1	MD 205	950	<10	--	--	--	--
81-AU-A-3	MD 205	43	<10	--	--	--	--
81-AU-A-5	MD 205	125	<10	--	--	--	--
81-AU-A-7	MD 205	740	<50	--	--	--	--
81-AU-A-8(18)	MD 205	20	<10	--	--	--	--
81-AU-A-9	MD 205	90	<10	--	--	--	--
81-AU-A-11	MD 205	73	<50	--	--	--	--
81-AU-A-13	MD 205	24	20	--	--	--	--
81-AU-A-15	MD 205	125	<10	--	--	--	--
81-AU-A-17	MD 205	65	<10	--	--	--	--
81-AU-A-19	MD 205	145	<10	--	--	--	--
81-AU-A-20	MD 205	128	<10	--	--	--	--
81-AU-A-21	MD 205	38	<10	--	--	--	--
81-AU-A-22	MD 205	>1000	70	--	--	--	--
81-AU-A-23	MD 205	135	<10	--	--	--	--
81-AU-A-25	MD 205	250	<50	--	--	--	--
81-AU-A-27	MD 205	>1000	300	--	--	--	--
81-AU-A-503	MD 205	97	<10	--	--	--	--
81-AU-Z-2	MD 205	165	<50	--	--	--	--
81-AU-Z-3	MD 205	73	<10	--	--	--	--
81-AU-Z-4	MD 205	15	<10	--	--	--	--
81-AU-Z-5	MD 205	25	<10	--	--	--	--
81-AU-Z-6	MD 205	16	<10	--	--	--	--
81-AU-Z-8	MD 205	15	<10	--	--	--	--
81-AU-A-1003	MD 205	73	<50	--	--	--	--
81-AU-A-1004	MD 205	48	<10	--	--	--	--
81-AU-A-1007	MD 205	59	<10	--	--	--	--
81-AU-A-1	H 205	620	<10	--	--	--	--
81-AU-A-3	H 205	90	90	--	--	--	--
81-AU-A-5	H 205	N.S.S.	50	--	--	--	--
81-AU-A-7	H 205	N.S.S.	<50	--	--	--	--
81-AU-A-8(18)	H 205	46	<10	--	--	--	--
81-AU-A-9	H 205	107	<50	--	--	--	--
81-AU-A-11	H 205	32	<10	--	--	--	--
81-AU-A-13	H 205	19	80	--	--	--	--
81-AU-A-15	H 205	94	<10	--	--	--	--
81-AU-A-17	H 205	70	<10	--	--	--	--
81-AU-A-19	H 205	195	<50	--	--	--	--
81-AU-A-20	H 205	200	<10	--	--	--	--
81-AU-A-21	H 205	41	180	--	--	--	--

Hart Bichler

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CERTIFICATE OF ANALYSIS

: STEPHEN, J.C. EXPLORATION LTD;
1458 RUPERT ST;
NORTH VANCOUVER, B.C.
V7J 1E9

CERT. # : A8111522-001-2
INVOICE # : I8111522
DATE : 23-JUN-81
P.O. # : NONE

ATTN: J. PAULTER CC: OVERBURDEN DRILLING MANG. LTD.

Sample description	Prep code	AS ppm	Au (AA) ppb				
81-AU-Z-09-3/4H	205	140	30	--	--	--	--
81-AU-Z-10-3/4H	205	200	200	--	--	--	--
81-AU-Z-11-3/4H	205	340	10	--	--	--	--
81-AU-Z-12-3/4H	205	27	10	--	--	--	--
81-AU-Z-13-3/4H	205	53	840	--	--	--	--
81-AU-Z-09-3/4MD	205	61	<10	--	--	--	--
81-AU-Z-10-3/4MD	205	77	20	--	--	--	--
81-AU-Z-11-3/4MD	205	90	80	--	--	--	--
81-AU-Z-12-3/4MD	205	11	10	--	--	--	--
81-AU-Z-13-3/4MD	205	16	<10	--	--	--	--

RECEIVED
13-08-81

Certified by *[Signature]*



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CANADA V7J 2C1
TELEPHONE: (604)984-0221
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CERTIFICATE OF ANALYSIS

TO : STEPHEN, J.C. EXPLORATION LTD;
1458 RUPERT ST;
NORTH VANCOUVER, B.C.
V7J 1E9

CERT. # : A8111347-002-
INVOICE # : I8111347
DATE : 16-JUN-81
P.O. # : NONE

ATTN: J. PAULTER cc. OVERBURNDEN-DRILLING MANAGE. LTD.

Sample description	Prep code	AS ppm	Au -(AA) ppb				
81-AU-A-22	H 205	>1000	140	--	--	--	--
81-AU-A-23	H 205	190	50	--	--	--	--
81-AU-A-25	H 205	260	50	--	--	--	--
81-AU-A-27	H 205	N.S.S.	1300	--	--	--	--
81-AU-A-503	H 205	32	20	--	--	--	--
81-AU-Z-2	H 205	N.S.S.	200	--	--	--	--
81-AU-Z-3	H 205	146	<50	--	--	--	--
81-AU-Z-4	H 205	27	60	--	--	--	--
31-AU-Z-5	H 205	21C	1680	--	--	--	--
31-AU-Z-6	H 205	43	240	--	--	--	--
31-AU-Z-8	H 205	59	320	--	--	--	--
81-AU-A-1003	H 205	N.S.S.	6000	--	--	--	--
81-AU-A-1004	H 205	N.S.S.	70	--	--	--	--
31-AU-A-1007	H 205	250	180	--	--	--	--

Hart Buchler

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- APPENDIX B -

BINOCULAR DESCRIPTIONS
OF HEAVY MINERAL CONCENTRATES

- 81-AU-A-01 90% garnet* (yellow-green with limonite film),
5% red-brown iron oxide
- 03 90% colourless to gray garnet and quartz-
garnet aggregates, 5% yellow-green garnet
- 05 80% green amorphous mineral (epidote?) with
limonite film, 10% red-brown and black
iron oxide
- 07 90% red-brown and black hematite* with
limonite film and cubic form suggestive of
pyrite parent
- 08 97% epidote* (pale yellow-green, crystalline),
2% red-brown and black iron oxide (locally
with cubic form suggestive of pyrite parent)
- 09 90% colourless to gray garnet and quartz-
garnet aggregates with limonite film, 5%
brown and black iron oxide
- 11 90% colourless to gray, sugary garnet and
quartz-garnet* aggregates with limonite film,
1% yellow-green garnet, 2% brown iron oxide
- 13 98% colourless to gray, sugary garnet and
quartz-garnet aggregates, 1% black iron oxide
- 15 98% colourless to grey, sugary, crystalline
garnet and quartz-garnet aggregates with
limonite film

*Denotes mineral identified by x-ray analysis

- 81-AU-A-17 65% grey to resinous brown garnet* with limonite film, 30 percent green crystalline epidote.
- 19 90% grey, green and colourless garnet with limonite film, less than 5% brown and black iron oxide
- 20 25% resinous red-brown garnet with limonite film, 70% pale green crystalline epidote, 5% red-brown iron oxide with black crust and local cubic form suggestive of pyrite parent
- 21 70% grey, colourless and resinous red-brown garnet* with limonite film, 20% green, crystalline, splintery epidote
- 22 60% grey garnet with limonite film, 30% red-brown goethite* with black crust and cubic form suggestive of pyrite parent
- 23 95% grey sugary garnet and quartz-garnet aggregates with limonite film
- 25 95% colourless to grey, locally sugary garnet and quartz-garnet aggregates with limonite film, less than 5% brown and black iron oxide
- 27 30% black iron oxide, 40% brown iron oxide, 10 percent amorphous green mineral (epidote?)
- 503 98% grey garnet and quartz-garnet aggregates with limonite film

*Denotes mineral identified by x-ray analysis

- 81-AU-A-1003 70% colourless to grey garnet with limonite film, 20% red-brown iron oxide with black crust, limonite stained, with cubic form suggestive of pyrite parent, 5% amorphous green mineral (epidote?)
- 1004 70% colourless to gray garnet with limonite film, 10% resinous brown garnet, 5% red-brown iron oxide with black crust and cubic form suggestive of pyrite parent, 5% amorphous green mineral (epidote?)
- 1007 60% grey-beige garnet and quartz-garnet aggregates with limonite film, 15% resinous brown garnet, 5% brown iron oxide, 5% green mineral with form suggestive of epidote
- 81-AU-Z-02 40% red-brown iron oxide, 40% black iron oxide, 10% amorphous green mineral with form suggestive of epidote
- 03 65% grey to colourless garnet*, 15% red and black iron oxide, locally with form suggestive of pyrite parent, 15% amorphous green mineral (epidote?)
- 04 80% resinous brown garnet, 10% black ilmenite, 5% green mineral (epidote?), commonly amorphous, locally as splintery acicular crystals
- 05 60% brown to beige garnet* with minor limonite film, 35% ilmenite

*Denotes mineral identified by x-ray analysis

- 81-AU-Z-06 65% resinous brown garnet, 15% ilmenite, 15% amorphous green mineral (epidote?)
- 08 80 percent amorphous green mineral (epidote?)
10% red-brown and black iron oxide with cubic form suggestive of pyrite parent
- 09 90% resinous brown to beige garnet with limonite film, 5% red-brown and black iron oxide
- 10 90% resinous brown to colourless garnet with limonite film, 5% red-brown and black iron oxide, 2% amorphous green mineral (epidote?)
- 11 95% brown to beige garnet-quartz aggregates with limonite film, less than 5 percent red-brown and black iron oxide, less than 5% epidote
- 12 95% hard amorphous green mineral (epidote?), locally with limonite film; less than 5% red-brown and black iron oxide
- 13 Mineralogy as 81-AU-Z-12 above

ALDER CLAIM GROUP

INTRODUCTION

The Alder claims are located on the north end of Burnaby Island and adjacent Huxley and Alder Islands. (No work, however, was conducted on Alder Is.) Camp was set up in a cove east of Section Cove, Burnaby Is., which is 98 km south of Sandspit.

The purpose of the 1981 program was to check the few anomalous results on N.Burnaby Is. by collecting large sediment and bulk soil samples.

Three bulk soil samples were taken on N.Burnaby to check high As values obtained in 1980. Twelve large sediment samples were also collected from the major drainage systems. Sample locations are plotted on Figures 7,8 and 9.

The sediments were collected from bars in the creeks and sifted with a 20-mesh sieve. The material was put into a large sample bag and excess water drained off. All samples were sent to Overburden Drilling Management in Ottawa for analysis of the mid-density and heavy mineral fractions. All samples were then sent to Chemex for a geochemical analysis of the Au and As content.

Prospecting was conducted on Huxley Island to investigate the areas surrounding the west and northwest silicified zones for which anomalous gold values were found in 1980. A silicified zone was discovered in a creek approximately 200 m southeast of the Huxley northwest zone ("Rambler zone"). Nothing of interest was found around the west Huxley zone due to the lack of outcrop and very thick bush. Sample locations for Huxley Is. are shown on Fig 8.

RESULTS

(A) SEDIMENT AND SOIL SAMPLES

Table II lists Overburden Managements data on heavy and mid density concentrates produced from the sediment and soil samples. Au and As values reported by Chemex have been added.

The sediment samples prefixed by the letter Z, show small amounts of gold with a high of 1680 ppb in heavies.

The soils show a high of 6000 ppb gold in A-1003 which is somewhat suspect due to the small amount of material in the sample. A more interesting result is the 1300 ppb in heavies in A-27 which has 300 ppb in the mid density fraction. This sample is in the general vicinity of the Johnston's Nickel showing where previous sampling had shown no significant gold content. The sediment sample to the east 81 Z-2 is not strongly anomalous.

Sample A-1003 is not supported by other samples in the area, nor by the sediment sample from the stream to the south.

(B) ROCK GEOCHEMISTRY

A few rock samples were taken from silicified zones on the north end of Huxley Island. Location of these samples is only approximate. No significant values are indicated.

OVERBURDEN DRILLING MANAGEMENT LIMITED
LABORATORY SAMPLE LOG

Sample Number	Weight (kg. wet)			Weight (grams. dry)										Grains V.G.	Description		Classification	
	Table Split	+ 10 Rock Chips	- 10 Table Feed	Geochem Split		Table Conc.	Heavy Mineral Conc.			Mid Density Conc.		+ 10	Matrix					
				Whole	- 63 μ		Non-mag	Mag	Lights	Au	As				- 125 μ	Au		As
A Z-02	4.0	Few Peb's	4.0			237.1	0.2	0.1	231.6	200 155	5.2	<50 165	0	Sorted brown with clay				
A Z-03	4.5	Few Peb's	4.5			275.9	2.8	0.2	257.8	<50 146	15.1	<10 75	0	"				
A 81-AU-Z-04	7.0	Few Peb's	7.0			277.9	123.7	78.0	33.3	60 27	42.9	<10 15	0	Sorted brown with orange clay				
A Z-05	6.5	40.1	6.5			159.4	42.0	58.1	28.6	168 210	30.7	<10 25	0	"				
A Z-06	6.0	0	6.0			323.4	107.4	83.2	77.0	240 43	55.8	<10 16	0	Sorted brown with orange clay				
A Z-08	7.0	Few Peb's	7.0			231.3	18.2	9.7	131.7	320 59	71.7	<10 15	0	Sorted dark brown with clay				
A 81-AU-Z-09	8.0	0.1	7.9			380.5	74.3	4.8	277.2	30 140	24.2	<10 61	0	Sorted brown with little silt	1			
A 10	8.5	Few Peb's	8.5			257.4	30.4	2.6	203.9	200 200	20.5	20 77	0	Sorted brown with dark brown clay	1 3			
A 11	8.0	Few Peb's	8.0			391.2	87.6	2.7	253.2	10 340	47.7	80 90	0	"				
A 12	10.0	40.1	10.0			332.7	39.9	9.3	189.5	10 27	94.0	10 11	0	"				
A 13	11.5	40.1	11.5			273.9	32.1	15.2	166.5	840 53	60.1	<10 16	0	"				
A A-1003	7.5	4.5	3.0			103.0	1.6	0.1	95.2	600 155	6.1	<50 73	0	Unsorted orange with brown clay				
A A-1004	5.5	1.8	3.7			142.5	2.5	0.6	131.5	70 155	7.9	<10 48	0	Unsorted orange with clay				
A A-1007	7.0	Few Peb's	7.0			184.3	30.6	2.0	126.2	180 250	25.5	<10 59	0	Sorted dark brown with clay				
A A-27	8.0	3.0	5.0			182.2	1.0	0.1	177.2	1300 155	3.9	300 >1000	0	Unsorted dark brown with clay				

TABLE II