

87-207-

16013

PROSPECTING REPORT  
ON THE  
CISCO CLAIM GROUP

TEXADA ISLAND

NANAIMO MINING DIVISION

FILMED

N.T.S. 92F/9E

LAT 49° 34' ~~16~~; LONG 124° ~~13~~ 12'

Owner/Operator: COMPILED BY:  
J.E. NEWMAN  
APRIL 1987

16,013  
GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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INTRODUCTIONLOCATION AND ACCESS

THE CISCO GROUP OF MINERAL CLAIMS ARE LOCATED IN THE NANAIMO MINING DIVISION APPROXIMATELY 80 KILOMETRES NORTH-WEST OF VANCOUVER ON THE SOUTH-EAST SIDE OF TEXADA ISLAND, ADJACENT TO MALASPINA STRAIT. COORDINATES ARE 49° 34.5' NORTH AND 124° 13' WEST, NTS GRID IS 92F/9 EAST.

VEHICLE ACCESS IS VIA FERRY FROM POWELL RIVER ON THE MAINLAND TO BLUBBER BAY ON TEXADA ISLAND. THE CISCO GROUP OF CLAIMS IS LOCATED APPROXIMATELY 50 KILOMETRES SOUTH OF BLUBBER BAY VIA PAVED AND GRAVEL ROADS. FOUR WHEEL DRIVE VEHICLES ARE RECOMMENDED FOR TRAVEL ON THE FINAL 10 KILOMETRES.

TEXADA ISLAND HAS A GOOD ASPHALT AIR STRIP LOCATED NEAR GILLES BAY AND IS SERVED BY DAILY FLIGHTS FROM VANCOUVER.

TOPOGRAPHY IS TYPICAL OF COASTAL MOUNTAIN TERRAIN AND THE ELEVATION OF THE CLAIMS VARY FROM SEA LEVEL TO 600M ABOVE SEA LEVEL.

HISTORY

EXTENSIVE PROSPECTING WAS CONDUCTED THROUGHOUT TEXADA ISLAND BEGINNING IN THE 1870'S AND PARTICULARLY BETWEEN 1890 AND 1910. THE FIRST RECORDED WORK ON THE SOUTH-EASTERN SECTION OF TEXADA ISLAND IS IN 1950 BY D.W. COCHRAN WHO EXCAVATED TRENCHES IN THE LONG BEACH AREA AND ENCOUNTERED ANOMALOUS GOLD.

IN 1969 R. SAMUELSON AND R. MICKLE LOCATED A LARGE CLAIM BLOCK IN THE LONG BEACH AREA, WHICH THEY OPTIONED TO FALCONBRIDGE NICKEL MINES LTD. (WARES 1971).

BETWEEN 1983 AND 1985 PROSPECTING CONTINUED ON THE LONG BEACH CLAIMS BY E. JOHANSON, R. DUKER, R. MICKLE AND J. NEWMAN AND LED TO THE FORMATION OF THE LONG BEACH GROUP OF MINERAL CLAIMS IN APRIL 1985. (SHEARER, 1981, 1985).

THE ANGEL GROUP WAS ADDED WHEN ANOMALOUS GOLD WAS DISCOVERED ON THE ANGEL I CLAIM BY R. MICKLE AND R. DUKER. THE LONG BEACH AND ANGEL GROUP WAS AT THAT TIME OPTIONED TO CARIBOU GOLD CORPORATION WHO COMMISSIONED TRM ENGINEERING LTD. TO CONDUCT A PRELIMINARY GEOLOGICAL EVALUATION OF THE PROPERTY. THAT WORK LED TO THE DRILLING OF ONE HOLE ON THE ANGEL I CLAIM (SHEARER, 1986).

THE SAME PARTNERS HAD PREVIOUSLY STAKED THE CISCO GROUP OF CLAIMS WHICH ARE LOCATED ADJACENT TO THE SOUTH-EAST SIDE OF THE ANGEL I CLAIM. THE FOCUS OF THIS PROSPECTING REPORT IS ON THE CISCO GROUP OF CLAIMS.

PROPERTY

THE CISCO GROUP OF CLAIMS CONSIST OF THE FOLLOWING CLAIMS:

TABLE 1LIST OF CLAIMS OF "CISCO GROUP"

<u>NAME</u>	<u>UNITS</u>	<u>RECORD NO.</u>	<u>DATE RECORDED</u>	<u>EXPIRY DATE</u>	<u>OWNER</u>
BOBS 1	1	2141(5)	MAY 15/85	MAY 15/87	E. JOHANSON
BOBS 2	1	2142(5)	MAY 15/85	MAY 15/87	E. JOHANSON
ED 1	1	2143(5)	MAY 16/85	MAY 16/87	R. DUKER
ED 2	1	2144(5)	MAY 16/85	MAY 16/87	R. DUKER
JEN 2	1	2149(5)	MAY 17/85	MAY 17/87	J. NEWMAN
ED 3	1	2150(5)	MAY 17/85	MAY 17/87	J. NEWMAN
JEN 3	1	2151(5)	MAY 17/85	MAY 17/87	J. NEWMAN
JEN 4	1	2152(5)	MAY 17/85	MAY 17/87	J. NEWMAN
CISCO	12	2167(6)	JUNE 6/85	JUNE 6/87	R. MICKLE
MAY	9	2169(6)	JUNE 6/85	JUNE 6/87	R. DUKER
MAY 3	1	2197(6)	JUNE 10/85	JUNE 10/87	J. NEWMAN
MAY 4	1	2198(6)	JUNE 10/85	JUNE 10/87	J. NEWMAN
MAY 5	1	2199(6)	JUNE 10/85	JUNE 10/87	J. NEWMAN
MAY 6	1	2200(6)	JUNE 10/85	JUNE 10/87	J. NEWMAN
MAY 2 FR	FR	2201(6)	JUNE 10/85	JUNE 10/87	J. NEWMAN
BOBS 3	1	2170(6)	JUNE 6/85	JUNE 6/87	E. JOHANSON
BOBS 4	1	2171(6)	JUNE 6/85	JUNE 6/87	E. JOHANSON
BOBS 5	1	2172(6)	JUNE 6/85	JUNE 6/87	E. JOHANSON
BOBS 6	1	2173(6)	JUNE 6/85	JUNE 6/87	E. JOHANSON
BOBS FR	FR	2174(6)	JUNE 6/85	JUNE 6/87	E. JOHANSON
MAY 9	1	2175(6)	JUNE 7/85	JUNE 7/87	R. DUKER
MAY 10	1	2176(6)	JUNE 7/85	JUNE 7/87	R. DUKER

SUMMARY OF WORK PERFORMED

## GEOCHEMICAL SURVEY:

A TOTAL OF 68 SOIL AND ROCK SAMPLES WERE COLLECTED BETWEEN JULY 1, 1986 AND DECEMBER 23, 1986 AND FORWARDED TO CHEMEX LABS AND BONDAR-CLEGG LABS, BOTH OF NORTH VANCOUVER, B.C.

TEN SOIL SAMPLES AND TEN ROCK SAMPLES SENT TO BONDAR-CLEGG WERE ANALYZED FOR Au USING FIRE ASSAY PLUS A.A. THIRTY-EIGHT SOIL SAMPLES SENT TO CHEMEX LABS RECEIVED SEMI-QUANTITATIVE, 30 ELEMENT ICP ANALYSIS PLUS FIRE ASSAY, A.A. FOR Au. IN ADDITION, TWENTY ROCK SAMPLES SENT TO CHEMEX LABS WERE ALSO SUBJECTED TO 30 ELEMENT ICP ANALYSIS PLUS FIRE ASSAY WITH A.A. FINISH FOR Au.

ALL SAMPLE LOCATIONS WERE MARKED IN THE FIELD WITH RED FLAGGING TAPE AND NUMBERED WITH SAMPLE DESCRIPTION NUMBERS CORRESPONDING TO THOSE IN THIS REPORT.

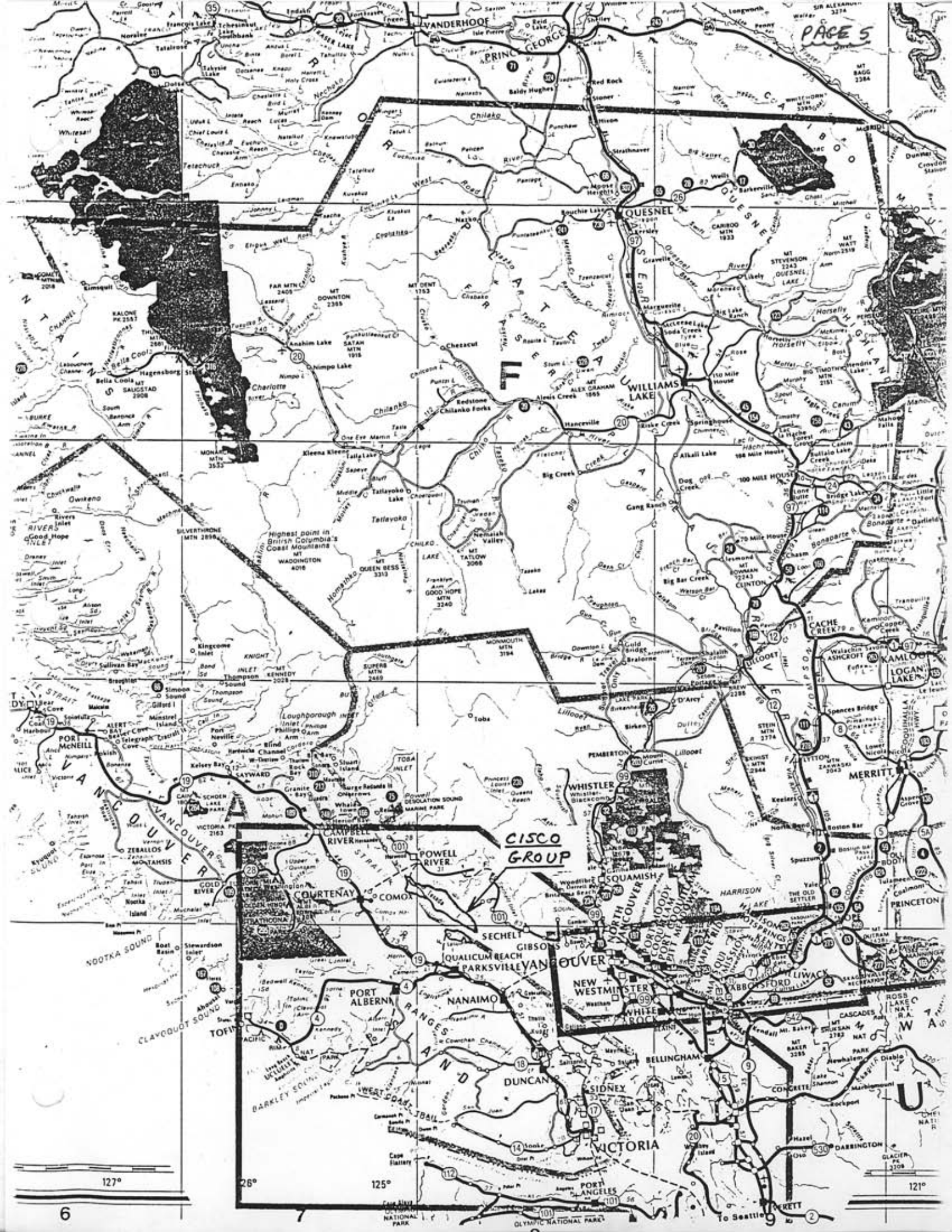
## PHYSICAL WORK:

ACCESS TRAILS TOTALING APPROXIMATELY 1300 METERS WERE CUT BY AXE AND POWER SAW IN ORDER TO OBTAIN EASIER ACCESS THROUGH TWO AREAS WHICH HAD HEAVY HORIZONTAL TREE THINNED SLASH.

TWO PITS WERE BLASTED ON THE ED #1 CLAIM NEAR THE ANGEL 1 CLAIM BOUNDARY AND TWO PITS WERE BLASTED ON THE CISCO. A TRENCH 1.3M WIDE, 8M LONG AND 1.3M DEEP WAS EXCAVATED ON THE MAY CLAIM.

## PRESPECTING:

PROSPECTING WAS CONDUCTED ON ALL CLAIMS OF THE CISCO GROUP.



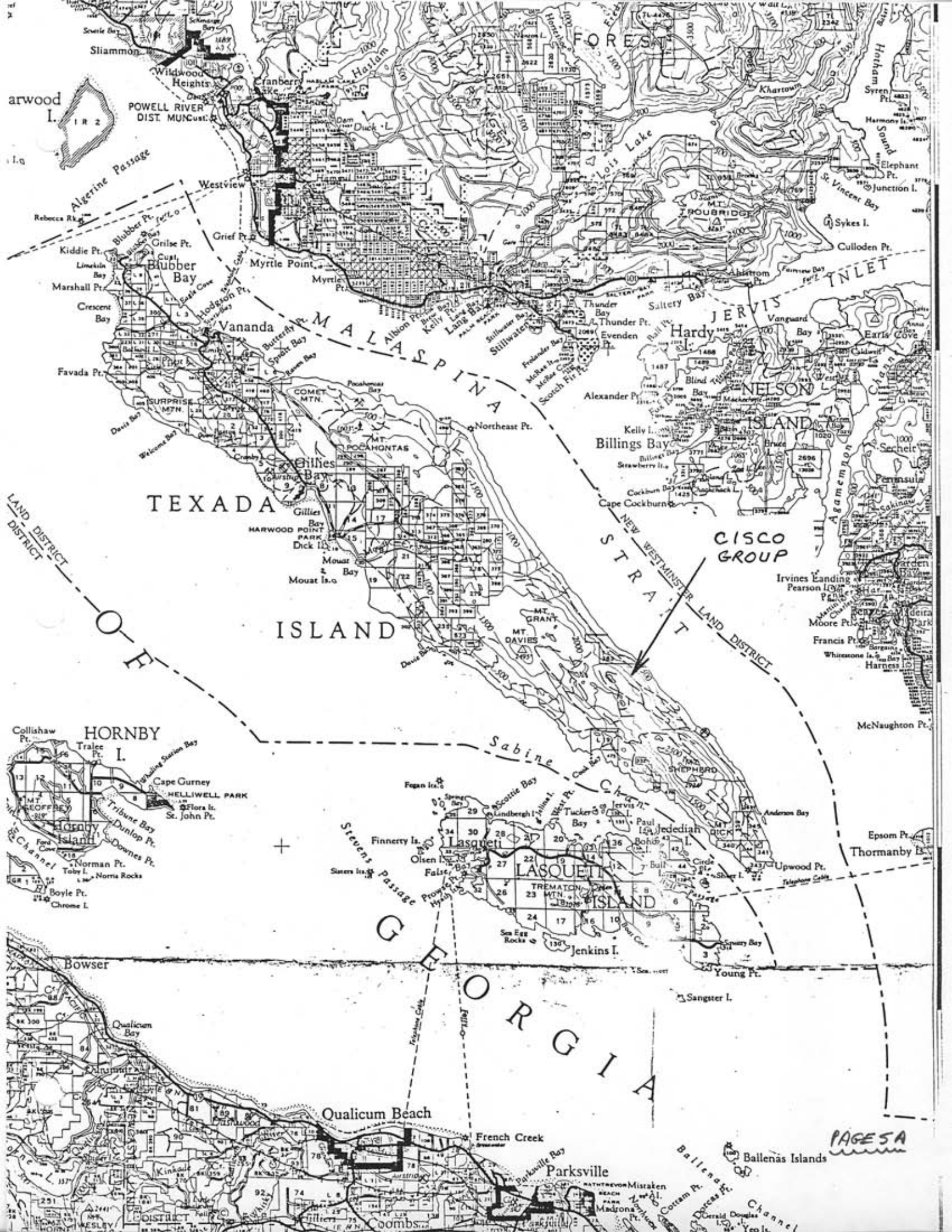
CISCO GROUP

127°

125°

121°





arwood I.

POWELL RIVER DIST. MUNICIPALITY

TEXADA

ISLAND

MALAPINA

FOREST

CISCO GROUP

NEW WESTMINSTER LAND DISTRICT

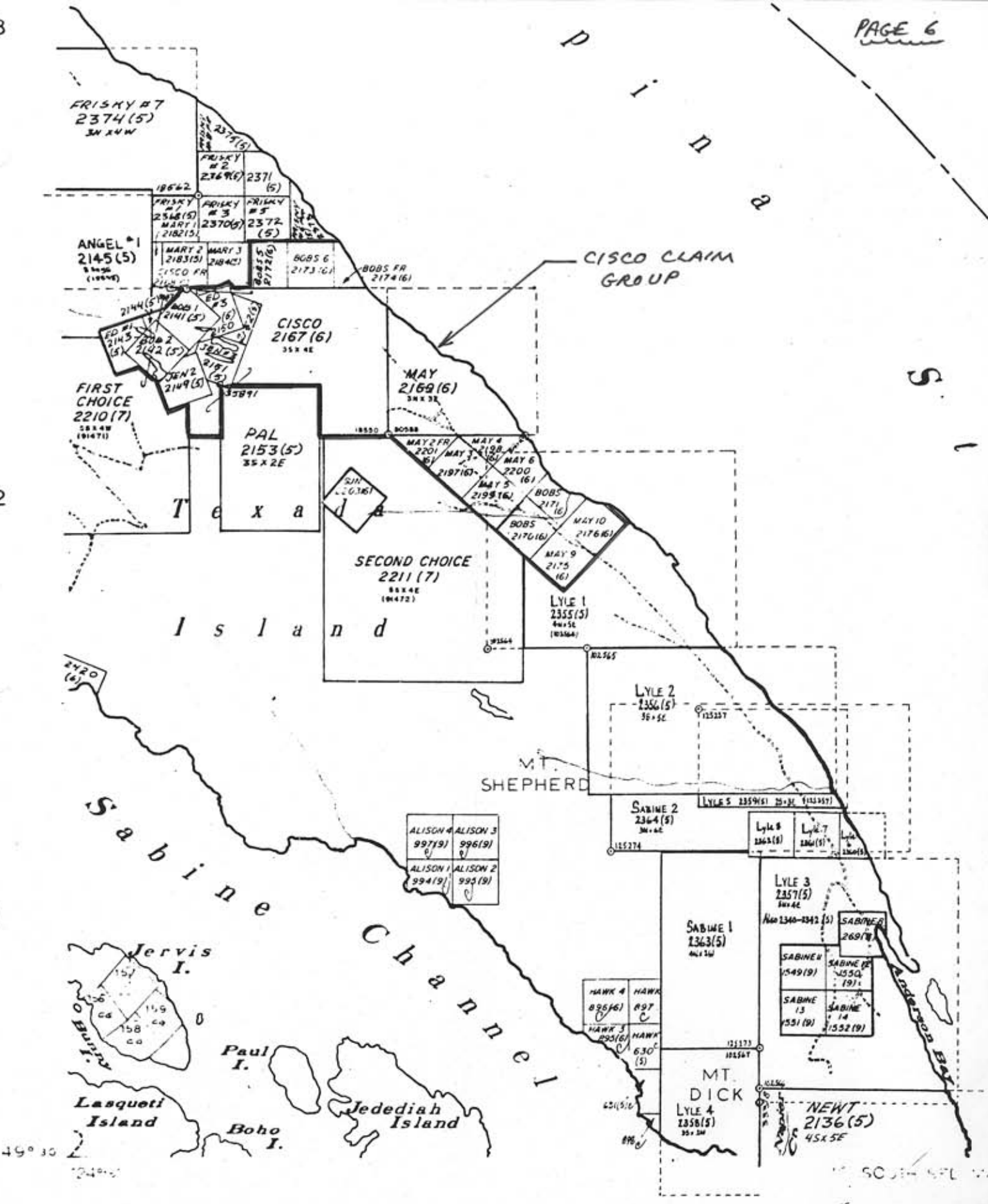
HORNBY I.

LASQUETTI ISLAND

GEORGIA

PAGE 5A





For up-to-date information on claims in any area you should apply to the Mining Recorder for the Mining Division.

DEPARTMENT OF MINES AND PETROLEUM  
 VICTORIA,  
 MINERAL CLAIM MAP

DETAILED TECHNICAL DATA AND INTERPRETATION

THE PURPOSE OF THE SURVEY WAS TO EXAMINE THE EXTENSIVE QUARTZ-IRON CARBONATE ALTERATION ZONE WHICH HAS DEVELOPED IN CHLORITIC KARMUTSEN FORMATION BASALT AND BASALTIC AGLOMERATE AND TO DETERMINE IF THE ZONE OF MINERALIZATION EXTENDS INTO THE CISCO GROUP FROM THE PREVIOUS DISCOVERY ZONE ON THE ANGEL I CLAIM (SHEARER, 1986).

A READING OF 1350 ppb GOLD WAS OBTAINED FROM SAMPLE CIS #11, 880 ppb GOLD FROM ED #1R AND 780 ppb GOLD FROM CIS #4. SEVERAL OTHER SAMPLES WITH ANOMALOUS GOLD VALUES WERE TAKEN AT VARIOUS LOCATIONS THROUGHOUT THE CISCO GROUP. IN ADDITION, ZINC GREATER THAN 9999 ppm AND Pb OF 1820 ppm WERE OBTAINED FROM SAMPLE MAY #03R.

THE QUARTZ-IRON CARBONATE ALTERATION ZONE IN KARMUTSEN VOLCANICS WAS FOUND TO OCCUR IN MOST OF THE CISCO GROUP OF CLAIMS WEST OF A LINE APPROXIMATELY 600M WEST AND PARALLEL TO THE SHORELINE OF THE MAY CLAIMS WHERE THE SICKER FORMATION IS PRESENT.

RECENT TRENCHING ON THE MAY CLAIM ON THE LIMESTONE CONTACT WITH THE SICKER FORMATION HAS UNCOVERED A WIDE VEIN OF DARK QUARTZ WITH GALENA AND A BANDED AND CONTORTED BLACK CHERT WITH DISSEMINATED PYRITE. SAMPLES HAVE BEEN SENT FOR ANALYSIS BUT RESULTS ARE NOT BACK AT THIS TIME.

FURTHER INTERPRETATION IS BEYOND THE SCOPE OF THIS REPORT AT THIS TIME.

ITEMIZED COST STATEMENT

## WAGES - PROSPECTING

R. DUKER	PROSPECTOR	25 DAYS @ 125/DAY =	\$3,125.00
E. JOHANSON	PROSPECTOR	5 DAYS @ 125/DAY =	625.00
R. MICKLE	PROSPECTOR	1 DAY @ 125/DAY =	125.00
J. NEWMAN	PROSPECTOR	21 DAYS @ 125/DAY =	2,625.00
R. PERRY	PROSPECTOR	1 DAY @ 125/DAY =	<u>125.00</u>
		TOTAL	\$6,625.00

## TRANSPORTATION

28 TRIPS VANANDA TO CLAIMS @ 102KMS = 2856KMS @.40/KM =	\$1,142.40
5 TRIPS VICTORIA TO VANANDA & RETURN @ 540KMS @.40/KM =	1,080.00
FERRY	<u>119.00</u>
TOTAL	\$2,341.40

MEALS AND ACCOMMODATION	\$ 750.00
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## GEOCHEMISTRY - Au + 30 ELEMENT ICP

BONDER-CLEGG AND CHEMEX - 68 ROCK & SOIL SAMPLES	\$1,223.40
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## HAND TRENCHING, BLASTING AND TRAILMAKING

INCLUDING EXPOSIVES AND DRILL RENTAL	\$ 250.00
D. PILLAT LABOUR & TRUCK 3 DAYS @ 110/DAY	= 330.00
N. CAMPBELL LABOUR & TRUCK 3 DAYS @ 120/DAY	= <u>360.00</u>
TOTAL	\$ 940.00

REPORT PREPARATION	\$ 250.00
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GRAND TOTAL	\$12,129.80
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AUTHOR'S QUALIFICATION

I CERTIFY THAT:

I HAVE COMPLETED TWO COURSES IN BASIC PROSPECTING WHICH WERE SPONSORED BY THE MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES AND CAMOSUN COLLEGE IN VICTORIA, B.C. THE COURSES WERE COMPLETED IN 1984 AND 1987.

I HAVE BEEN A PROSPECTOR IN BRITISH COLUMBIA FOR FIVE YEARS.

THE INFORMATION FOR THE ACCOMPANYING REPORT WAS BASED ON WORK DONE PERSONALLY AND BY MY PARTNERS BOB DUKER, ED JOHANSON AND BOB MICKEL, ALL OF WHOM ARE ACTIVE PROSPECTORS.



JAMES E. NEWMAN

APRIL 11, 1987



VICTORIA, BRITISH COLUMBIA

COMMUNITY EDUCATION SERVICES

*This is to certify that*

JIM E NEWMAN

has successfully completed a course  
of 43 hours duration in

PROSPECTING - BASIC

84-03-14

DATE

A handwritten signature in cursive script, reading 'Patrick Q. Flapd'.

DIRECTOR OF COMMUNITY EDUCATION SERVICES



VICTORIA, BRITISH COLUMBIA

COMMUNITY EDUCATION SERVICES

*This is to certify that*

JIM E NEWMAN

HAS SUCCESSFULLY COMPLETED A COURSE  
OF 63 HOURS DURATION IN

PROSPECTING - GEOLOGY

87-03-31

A handwritten signature in cursive script, reading 'Patrick Q. Flapd'.

DIRECTOR OF COMMUNITY EDUCATION SERVICES

## SAMPLE PREPARATION

We emphasize the importance of properly preparing a sample for analysis. For most types of analytical determinations only a small fraction of the sample is utilized. The analytical result must be valid for the entire sample and not just for this subsample. In summary, a poorly prepared sample is not worth analyzing.

Routine sample preparation procedures are listed below. Many custom preparation procedures are also available at Chemex.

Chemex Code	Procedure	Price
<b>SOIL OR SEDIMENTS:</b>		
201	Dry, sieve through -80 mesh screen	\$ 0.85
202	Dry, sieve through -80 mesh screen and save the + 80 mesh fraction	1.25
203	Dry, sieve through a -35 mesh screen and ring pulverize to approximately -100 mesh	2.25
217	Dry and ring pulverize the sample to approximately -100 mesh	2.25
<b>ROCK OR CORE:</b>		
207	STANDARD PRECIOUS METAL PREP Dry, crush entire sample in two stages using jaw and cone crushers, subsample and pulverize using a rotary grinder. Screen sample to -140 mesh and examine screen for metallics. If metallics are present, they are analyzed separately, otherwise the + 140 mesh fraction is hand pulverized and homogenized with the original sample.	3.75
208	STANDARD ASSAY PREP Dry, crush in two stages using jaw and cone crushers, subsample and ring pulverize to -140 mesh (Assay prep)	3.25
205	STANDARD GEOCHEM PREP Dry, crush, subsample and ring pulverize to approximately -140 mesh (Geochem prep)	2.75
<b>CONCENTRATES:</b>		
235	Pan concentrates Dry, ring pulverize the entire sample to -140	2.25
209	High grade concentrates Dry, ring pulverize and screen to -140 mesh	3.75
<b>MISCELLANEOUS:</b>		
213	Heavy mineral separation S.G. 2.96 for pan concentrates and stream sediments	14.00
227	Rolling charge for homogenizing pulps	1.00
230	Screen to -200 mesh surcharge	2.00
241	Zirconia ring surcharge	2.50
251	Overweight charge (per pound) Assay samples (code 207 and 208) over 15 lbs. Geochem samples (code 205) over 10 lbs.	0.35

## PRECIOUS METAL ANALYSIS

<b>A) TRACE LEVEL ANALYSIS - EXPLORATION GEOCHEMISTRY</b> Maximum value reported for all elements is 10,000 ppb.				
Chemex Code	Element(s)	Method	Detection Limit	Price per Sample
100	Gold	Fire Assay, A.A. finish	5 ppb	6.50
101	Gold	Fire Assay, N.A.A. finish	1 ppb	6.50
413	Platinum	Fire Assay, A.A. finish	50 ppb	6.50
419	Palladium	Fire Assay, A.A. finish	20 ppb	6.50
472	Rhodium	Fire Assay, A.A. finish	2 ppb	8.50
	Gold, Platinum and Palladium			15.00
1061	Nickel sulfide collection fire assay followed by neutron activation analysis			lot 80.00
	Gold	1 ppb Osmium	5 ppb	
	Platinum	5 ppb Rhenium	5 ppb	
	Palladium	5 ppb Rhodium	1 ppb	
	Iridium	0.1 ppb Ruthenium	5 ppb	
1064	Instrumental neutron activation analysis of a pressed pellet of organic material			lot 9.50
	Gold	0.2 ppb Lanthanum	0.1 ppm	
	Antimony	0.05 ppm Tantalum	0.2 ppm	
	Arsenic	0.05 ppm Thorium	0.05 ppm	
	Bromine	0.1 ppm Uranium	0.05 ppm	
237	Vegetation preparation charge. Dry and mill sample to -20 mesh, blend, subsample and press 10 grams into a pellet. Shrink-wrap pellet.			5.00
<b>B) ORE-GRADE ANALYSIS - ASSAYS</b> If metric units (g/tonne) are preferred, use the codes in parentheses.				
Chemex Code	Element(s)	Method	Detection Limit	Price per Sample
398 (399)	Gold	Fire Assay, A.A. finish	0.001 oz/t	7.75
396 (397)	Gold	Fire Assay, gravimetric finish	0.003 oz/t	7.75
383 (384)	Silver	Fire Assay, gravimetric finish	0.01 oz/t	7.75
	Gold & Silver			10.75
479 (133)	Gold	Cyanide leach, A.A. finish	0.003 oz/t	7.75
144 (919)	Gold	Direct N.A.A.	0.001 oz/t	8.50
385 (386)	Silver	Aqua regia, A.A. finish	0.01 oz/t	7.75
414 (415)	Platinum	Fire Assay, A.A. finish	0.003 oz/t	24.00
420 (421)	Palladium	Fire Assay, A.A. finish	0.003 oz/t	24.00
	Platinum & Palladium			30.00
231	One assay ton surcharge (routine sample size is a half assay ton)			1.20





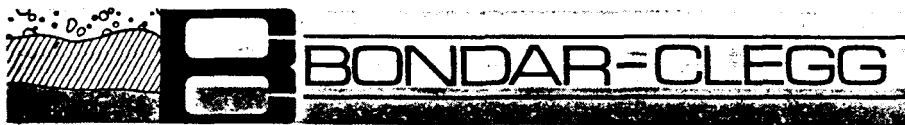
REPORT: 126-2323

PROJECT: NONE GIVEN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	AU PPB
S1 CIS #1		40
S1 CIS #2		70
S1 CIS #3		120
S1 CIS #4		780
S1 CIS #5		50
S1 CIS #7		110
S1 CIS #8		190
S1 CIS #9		5
S1 CIS #11		1350
<del>S1 LB #1</del>		<del>&lt;5</del>
<del>S1 LB #2</del>		<del>5</del>
R2 BOB #1		65
R2 BOB #2		260
R2 BOB #3		240
R2 BOB #4		10
R2 BOB #5		<5
<del>R2 ANGEL #1</del>		<del>160</del>
R2 CIS #6		80
R2 CIS #10		10

Legg & Company Ltd.  
1000 Amberton Ave.  
Vancouver, B.C.  
Canada V7P 2R5  
Phone: (604) 985-0681  
Telex: 04-352667



Geochemical  
Lab Report

REPORT: 126-3329

PROJECT: NONE GIVEN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au PPB
S1 MAY 10S		0.4	10
R2 Cis 33R		2.0	<5
R2 Cis 34R		0.4	35
R2 ED 1R		0.6	880



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 Brooksbank Ave.  
North Vancouver, B.C.  
Canada V7J 2C1

Telephone: (604) 984-0221  
Telex: 043-52597

## CERTIFICATE OF ANALYSIS

TO : NEWMAN, J. E.  
  
1921 BARRETT DRIVE  
SIDNEY, B.C.  
V8L 1A4

\*\* CERT. # : A8615069-001-A  
INVOICE # : I8615069  
DATE : 30-JUL-86  
P.O. # : NONE

Semi quantitative multi element ICP analysis

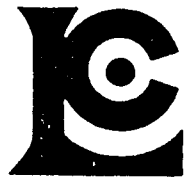
Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :

Sample description	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm		
CIS - 12R	1.30	0.4	<10	90	<0.5	<2	2.10	<0.5	7	6	304	2.84	<10	0.25	10	0.61	909	<1	0.05	3	970	12	<10	27	<0.01	<10	<10	19	<10	20	--	--
CIS - 13R	0.46	1.2	280	10	<0.5	<2	0.12	<0.5	11	23	49	9.09	<10	0.05	<10	0.20	121	12	0.04	16	330	18	<10	4	0.01	<10	<10	65	<10	10	--	--
CIS - 19R	3.45	0.2	20	30	<0.5	<2	3.09	<0.5	56	47	34	8.64	20	0.16	<10	2.36	1949	<1	0.02	43	690	<2	<10	59	<0.01	<10	<10	152	<10	70	--	--
MAY - 02R	0.28	0.4	20	270	<0.5	<2	1.81	0.5	8	13	26	2.61	<10	0.08	<10	0.65	1747	7	0.04	19	230	14	<10	68	<0.01	<10	<10	10	<10	80	--	--
MAY - 03R	0.34	5.4	30	20	<0.5	<2	16.14	>99.9	10	18	965	5.16	30	<0.01	<10	6.03	1697	14	<0.01	33	1180	1820	80	181	<0.01	<10	<10	19	<10	>9999	--	--
MAY - 04R	2.32	0.2	10	70	<0.5	<2	9.13	15.0	37	183	20	5.04	20	0.26	<10	1.58	791	<1	0.01	109	1410	20	<10	143	0.01	<10	<10	60	<10	640	--	--
MAY - 05R	1.53	0.6	20	270	<0.5	<2	1.71	6.0	16	86	47	3.74	10	0.09	10	0.89	248	13	<0.01	77	7160	14	<10	42	<0.01	<10	<10	149	<10	310	--	--
MAY - 06R	0.69	0.6	50	390	<0.5	<2	0.11	1.5	10	8	47	2.89	<10	0.24	<10	0.12	410	16	0.03	24	290	42	<10	10	<0.01	<10	<10	15	<10	150	--	--
MAY - 07R	0.48	0.2	<10	20	<0.5	<2	1.38	<0.5	1	9	48	14.89	10	<0.01	<10	0.16	868	4	<0.01	6	280	2	<10	101	0.01	<10	<10	21	<10	60	--	--
MAY - 08R	0.20	0.2	30	30	<0.5	<2	2.79	<0.5	25	16	25	10.00	10	<0.01	<10	0.27	>9999	8	<0.01	134	770	14	<10	63	0.01	<10	<10	222	<10	50	--	--

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

16,013



# Chemex Labs Ltd.

Analytical Chemists

Geochemists

Registered Assayers

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Canada V7J 2C1

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## CERTIFICATE OF ANALYSIS

TO : NEWMAN, J. E.

1921 BARRETT DRIVE  
SIDNEY, B.C.  
V8L 1A4

\*\* CERT. # : A8615067-001-A  
INVOICE # : I8615067  
DATE : 28-JUL-86  
P.O. # : NONE

Semi quantitative multi element ICP analysis

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :

Sample description	Au ppb EA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Hg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	
CiS - 14	<5	2.29	0.2	10	30	<0.5	<2	0.08	<0.5	25	80	129	8.18	<10	0.04	<10	0.88	2149	<1	0.01	40	990	34	<10	6	0.01	<10	<10	150	<10	70	--
CiS - 15	25	2.50	0.2	10	40	<0.5	<2	0.13	<0.5	22	73	24	7.09	<10	0.02	<10	0.58	1600	<1	<0.01	34	900	14	<10	7	0.01	<10	<10	129	<10	70	--
CiS - 16	<5	3.47	0.2	<10	40	<0.5	<2	0.08	<0.5	23	122	60	8.77	10	0.04	<10	0.78	928	<1	0.01	47	810	6	<10	4	0.01	<10	<10	167	<10	90	--
CiS - 17	<5	2.95	0.2	10	50	<0.5	<2	0.09	<0.5	21	108	385	8.91	10	0.04	<10	0.66	2302	<1	<0.01	39	1080	16	<10	6	<0.01	<10	<10	161	<10	80	--
CiS - 18	<5	2.59	0.2	10	50	<0.5	<2	0.39	<0.5	24	49	112	4.23	10	0.02	10	0.75	5741	<1	0.01	37	1310	20	<10	15	0.14	<10	<10	123	<10	100	--
CiS - 20	50	3.54	0.4	10	40	<0.5	<2	0.55	<0.5	35	78	231	7.61	10	0.03	10	1.56	2079	<1	0.01	62	580	18	<10	15	0.05	<10	<10	188	<10	90	--
CiS - 21	15	2.95	0.4	20	50	<0.5	<2	0.77	<0.5	22	71	301	5.98	10	0.06	10	1.08	1604	<1	0.01	44	570	14	<10	23	0.20	<10	<10	121	<10	90	--
CiS - 22	<5	2.93	0.2	20	40	<0.5	<2	1.36	<0.5	24	139	120	4.97	10	0.05	10	1.36	1928	<1	0.03	48	630	36	<10	25	0.19	<10	<10	150	<10	80	--
CiS - 24	<5	2.29	0.2	10	20	<0.5	<2	0.30	<0.5	12	39	72	4.55	10	0.01	<10	0.41	382	<1	0.01	23	390	6	<10	20	0.35	<10	<10	142	<10	50	--
CiS - 25	10	1.76	0.2	10	10	<0.5	<2	0.26	<0.5	9	27	46	3.63	10	0.01	<10	0.28	455	<1	0.01	13	430	12	<10	13	0.26	<10	<10	114	<10	40	--
CiS - 26	<5	2.09	0.2	<10	20	<0.5	<2	0.29	<0.5	14	36	63	3.25	<10	<0.01	<10	0.49	535	<1	0.01	23	520	4	<10	21	0.22	<10	<10	103	<10	50	--
CiS - 27	<5	1.74	0.2	10	30	<0.5	<2	0.54	<0.5	16	158	49	3.43	10	<0.01	<10	0.93	1172	<1	0.01	57	370	12	<10	27	0.28	<10	<10	119	<10	50	--
CiS - 28	<5	3.13	0.2	10	30	<0.5	<2	0.21	<0.5	22	73	100	6.27	10	0.01	<10	0.66	867	<1	0.01	40	620	14	<10	11	0.13	<10	<10	177	<10	80	--
CiS - 29	<5	2.66	1.0	20	30	<0.5	<2	1.87	0.5	25	106	152	4.94	10	0.02	10	1.24	3095	<1	0.01	45	500	24	<10	27	0.13	<10	<10	141	<10	100	--
CiS - 30	<5	3.79	0.4	10	30	<0.5	<2	0.45	<0.5	27	162	128	6.23	10	0.03	10	1.45	1526	<1	0.04	52	510	10	<10	19	0.23	<10	<10	189	<10	80	--
CiS - 31	<5	3.33	0.6	30	50	<0.5	<2	0.45	1.0	23	103	336	6.37	10	0.01	20	1.51	4404	<1	<0.01	53	760	44	<10	17	0.03	<10	<10	168	<10	70	--
CiS - 32	<5	2.48	0.2	10	30	<0.5	<2	0.28	<0.5	16	65	46	3.98	10	0.01	10	0.87	1532	<1	0.01	35	360	22	<10	11	0.09	<10	<10	113	<10	50	--
LB - 03	<5	3.25	0.4	10	20	<0.5	<2	0.20	<0.5	33	87	213	12.01	10	<0.01	<10	1.16	937	<1	<0.01	65	570	10	<10	8	0.10	<10	<10	215	<10	70	--
LB - 04	15	3.58	0.4	<10	10	<0.5	<2	0.08	<0.5	52	96	3034	19.42	10	<0.01	10	1.69	1545	<1	<0.01	95	690	10	<10	3	0.05	10	10	430	<10	150	--
MAY - 01S	<5	4.00	1.0	10	60	<0.5	<2	0.37	<0.5	22	112	151	4.72	10	0.02	10	0.57	435	<1	0.02	46	270	8	<10	18	0.27	<10	<10	150	<10	70	--
MAY - 02S	<5	3.11	0.4	10	50	<0.5	<2	0.68	<0.5	15	98	90	3.23	10	0.02	10	0.53	292	<1	0.02	34	280	8	<10	25	0.19	<10	<10	94	<10	50	--
MAY - 03S	<5	2.14	0.2	50	180	<0.5	<2	0.29	0.5	18	33	46	3.25	<10	0.05	30	0.24	593	9	0.01	29	490	44	<10	12	0.02	<10	<10	97	<10	120	--
MAY - 04S	<5	4.37	0.8	180	230	<0.5	<2	0.29	1.0	45	167	79	7.29	20	0.12	30	1.32	780	2	0.03	111	1100	108	<10	20	0.05	<10	<10	171	<10	460	--
MAY - 05S	<5	3.37	1.0	150	150	<0.5	<2	0.37	2.5	43	89	81	6.77	10	0.04	30	0.75	1345	7	0.01	91	1070	82	<10	14	0.04	<10	<10	129	<10	390	--
MAY - 06S	<5	2.77	0.6	150	330	<0.5	<2	0.14	<0.5	22	20	53	5.02	10	0.08	20	0.38	1435	2	0.01	23	900	32	<10	14	0.01	<10	<10	51	<10	230	--
MAY - 07S	<5	3.73	0.8	50	170	<0.5	<2	0.79	2.5	64	119	155	8.67	20	0.08	40	1.04	2296	7	0.01	162	1120	74	<10	18	0.02	<10	<10	115	<10	260	--
MAY - 08S	15	3.03	1.0	60	280	<0.5	<2	0.70	4.5	68	84	181	18.07	20	0.07	40	1.10	3701	13	0.02	238	2960	128	<10	23	0.01	20	10	97	<10	540	--
MAY - 09S	80	4.32	1.4	90	80	<0.5	<2	0.17	2.5	87	82	288	15.46	10	0.02	30	1.02	2227	17	<0.01	184	1810	388	<10	10	0.02	10	10	110	<10	380	--



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 BROOKSBANK AVE., NORTH VANCOUVER,  
 BRITISH COLUMBIA, CANADA V7J-2C1  
 PHONE (604) 984-0221

## CERTIFICATE OF ANALYSIS A8710071

To: DUKER, MR. BOB

GENERAL DELIVERY  
 VANANDA, B.C.  
 VON 3K0

Page No. : 1-A  
 Tot. Pages: 1  
 Date : 20-JAN-87  
 Invoice # : I-8710071  
 P.O. # : NONE

Project :  
 Comments:

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
CISC #1S	201 238	20	3.38	0.6	5	30	< 0.5	< 2	0.66	0.5	22	120	123	5.90	< 10	0.03	10	1.72	1255	< 1
CISC #2S	201 238	10	4.35	0.6	15	50	< 0.5	< 2	0.48	0.5	31	91	256	7.30	< 10	0.02	10	1.61	2070	< 1
CISC #3S	201 238	5	2.92	0.2	10	30	< 0.5	< 2	0.41	0.5	28	64	148	6.53	< 10	0.01	10	1.44	1710	< 1
CISC #4S	201 238	< 5	4.04	0.6	< 5	30	< 0.5	< 2	0.45	0.5	31	127	148	7.90	< 10	0.09	10	2.13	1570	< 1
CISC #5S	201 238	< 5	3.68	0.8	15	50	< 0.5	< 2	0.87	0.5	30	84	219	7.24	< 10	0.04	20	1.45	2710	< 1
CISC #6S	201 238	< 5	4.13	0.2	5	30	< 0.5	< 2	0.40	0.5	38	99	166	8.64	< 10	0.03	10	2.15	2180	< 1
CISC #7S	201 238	< 5	2.93	0.6	10	60	< 0.5	< 2	0.43	0.5	27	60	111	6.35	< 10	0.02	10	1.16	2280	< 1
CISC #24S	201 238	165	3.49	1.6	15	60	< 0.5	< 2	0.60	1.5	46	50	338	12.85	< 10	0.06	20	0.82	3960	< 1
JEN 22S	201 238	< 5	2.91	0.4	5	40	< 0.5	< 2	0.18	0.5	33	46	140	9.99	< 10	0.04	10	0.78	1225	< 1
JEN 23S	201 238	10	2.42	0.4	5	10	< 0.5	< 2	0.06	2.5	67	35	143	>15.00	< 10	< 0.01	10	0.31	1465	< 1
MAY 20S	201 238	< 5	6.28	0.4	20	30	< 0.5	< 2	0.08	< 0.5	52	907	49	8.07	< 10	< 0.01	< 10	5.43	1370	< 1
MAY 21S	201 238	10	4.60	0.2	15	90	< 0.5	< 2	0.39	< 0.5	18	47	92	5.86	10	0.06	10	0.93	587	< 1

CERTIFICATION :

*Haut Buchler*



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 PHONE (604) 984-0221

## CERTIFICATE OF ANALYSIS A8710071

To: DUKER, MR. BOB

GENERAL DELIVERY  
 VANANDA, B.C.  
 VON 3K0

Page No. : 1-B  
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 Invoice # : I-8710071  
 P.O. # : NONE

Project :  
 Comments :

SAMPLE DESCRIPTION	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm						
CISC #1S	201 238	0.03	48	430	< 2	< 5	19	0.18	< 10	< 10	171	< 5	70						
CISC #2S	201 238	0.01	52	530	< 2	< 5	25	0.07	< 10	< 10	190	< 5	76						
CISC #3S	201 238	0.01	44	370	< 2	< 5	14	0.05	< 10	< 10	166	< 5	68						
CISC #4S	201 238	0.03	63	370	< 2	< 5	17	0.06	< 10	< 10	204	< 5	88						
CISC #5S	201 238	0.01	49	560	4	< 5	25	0.06	< 10	< 10	177	< 5	76						
CISC #6S	201 238	0.01	67	480	< 2	< 5	14	0.05	< 10	< 10	219	< 5	92						
CISC #7S	201 238	0.01	37	580	20	< 5	23	0.06	< 10	< 10	175	< 5	84						
CTSC #24S	201 238	0.01	42	930	< 2	5	20	0.01	< 10	< 10	225	< 5	96						
JEN 22S	201 238	0.02	46	400	< 2	< 5	10	0.01	< 10	< 10	189	< 5	86						
JEN 23S	201 238	< 0.01	81	900	< 2	5	3	< 0.01	< 10	< 10	264	< 5	104						
MAY 20S	201 238	< 0.01	265	680	< 2	< 5	8	0.02	< 10	< 10	217	< 5	104						
MAY 21S	201 238	0.01	22	870	< 2	< 5	44	0.27	< 10	< 10	153	< 5	66						

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## CERTIFICATE OF ANALYSIS A8710070

To: DUKER, MR. BOB

GENERAL DELIVERY  
VANANDA, B.C.  
VON 3K0

Page No. : 1-A  
Tot. Pages: 1  
Date : 20-JAN-87  
Invoice # : I-8710070  
P.O. # : NONE

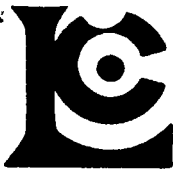
Project :  
Comments :

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
CISC 2R	205 238	40	0.52	5.0	< 5	10	< 0.5	< 2	9.67	0.5	13	31	3980	5.49	< 10	0.13	< 10	2.18	1900	< 1

CERTIFICATION :

*Hart/Bechler*





# Chemex Labs Ltd.

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## CERTIFICATE OF ANALYSIS A8710070

To: DUKER, MR. BOB

GENERAL DELIVERY  
VANANDA, B.C.  
VON 3K0

Page No. : 1-B  
Tot. Pages: 1  
Date : 20-JAN-87  
Invoice # : I-8710070  
P.O. # : NONE

Project :

Comments :

SAMPLE DESCRIPTION	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm						
	CISC 25R	205	238	0.01	22	350	< 2	25	69	< 0.01	< 10	< 10	59	< 5	28					

CERTIFICATION : Hart Buchler



# Chemex Labs Ltd.

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Canada V7J 2C1  
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Telex: 043-52597

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## CERTIFICATE OF ASSAY

TO : NEWMAN, J. E.

\*\* CERT. # : A8615068-001-  
INVOICE # : I8615068  
DATE : 24-JUL-86  
P.O. # : NONE

1921 BARRETT DRIVE  
SIDNEY, B.C.  
V8L 1A4

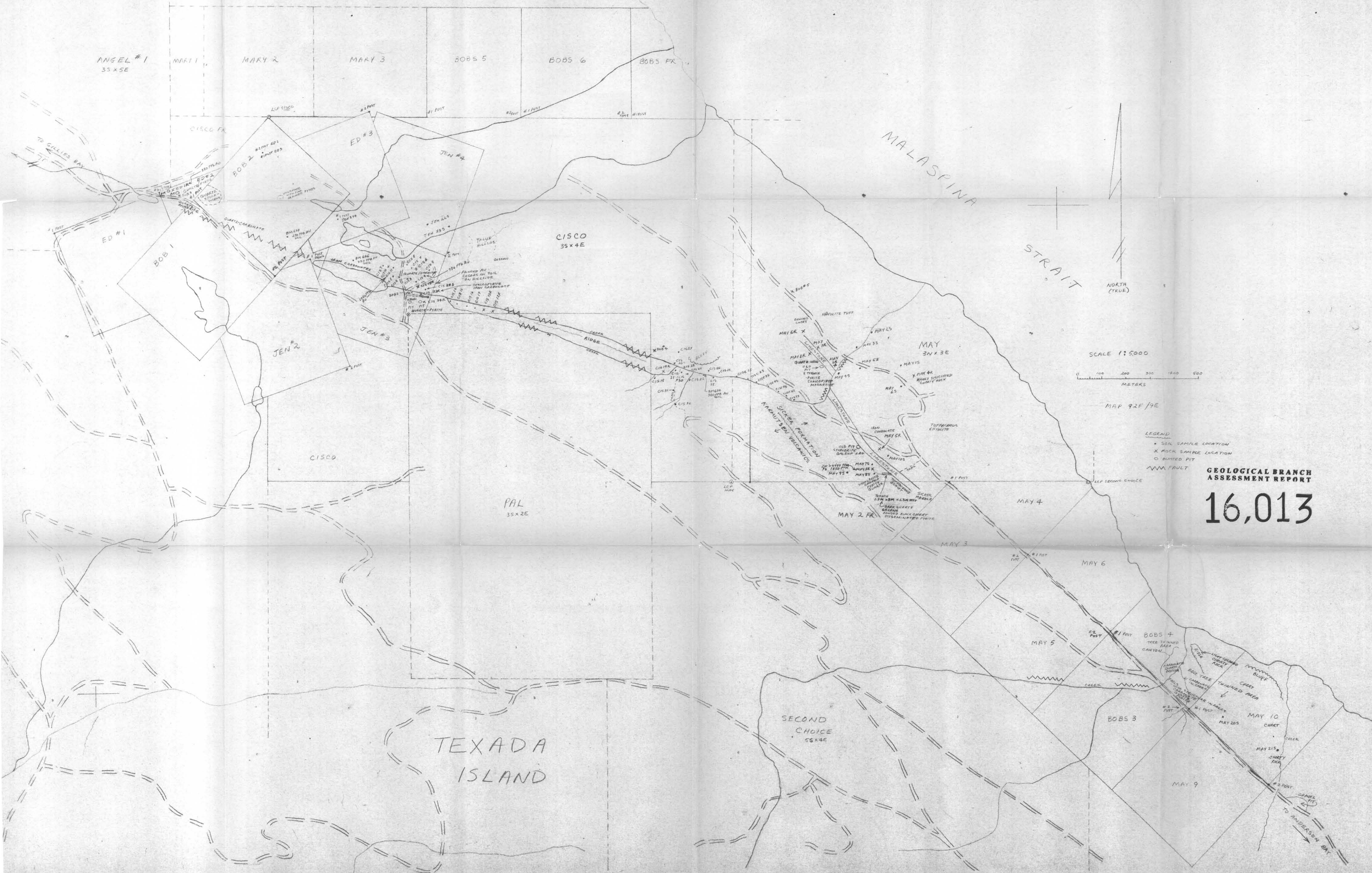
Sample description	Prep code	Au FA oz/T						
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CIS - 13R	207	0.010	--	--	--	--	--	--
CIS - 19R	207	<0.002	--	--	--	--	--	--
MAY - 02R	207	<0.002	--	--	--	--	--	--
MAY - 03R	207	0.008	--	--	--	--	--	--
MAY - 04R	207	<0.002	--	--	--	--	--	--
MAY - 05R	207	<0.002	--	--	--	--	--	--
MAY - 06R	207	0.008	--	--	--	--	--	--
MAY - 07R	207	<0.002	--	--	--	--	--	--
MAY - 08R	207	<0.002	--	--	--	--	--	--

VOI rev. 4/86

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# CISCO CLAIM GROUP



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

## 16,013