

80-736-#8730

CONSOLIDATED CINOLA MINES LTD.  
402-595 Howe St.  
Vancouver, B.C.

Submission of Costs of Geochemistry  
and Surveying, for Assessment Purposes

on the

BABE 10 CLAIM GROUP  
QUEEN CHARLOTTE ISLANDS  
53° 32' N, 132° 13' W

consisting of BABE 9 - 16,  
RIC 1 - 10, BABE 26 - 29,  
Yaky 4, Yaky 5, Yaky 6 Fr.,  
claims.

103F/9E

Vancouver, B.C.  
September 22, 1980

K. G. Sanders. P. Eng.  
President

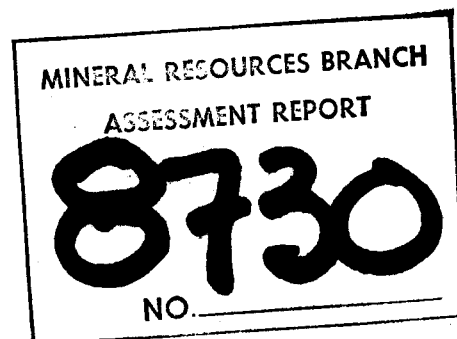
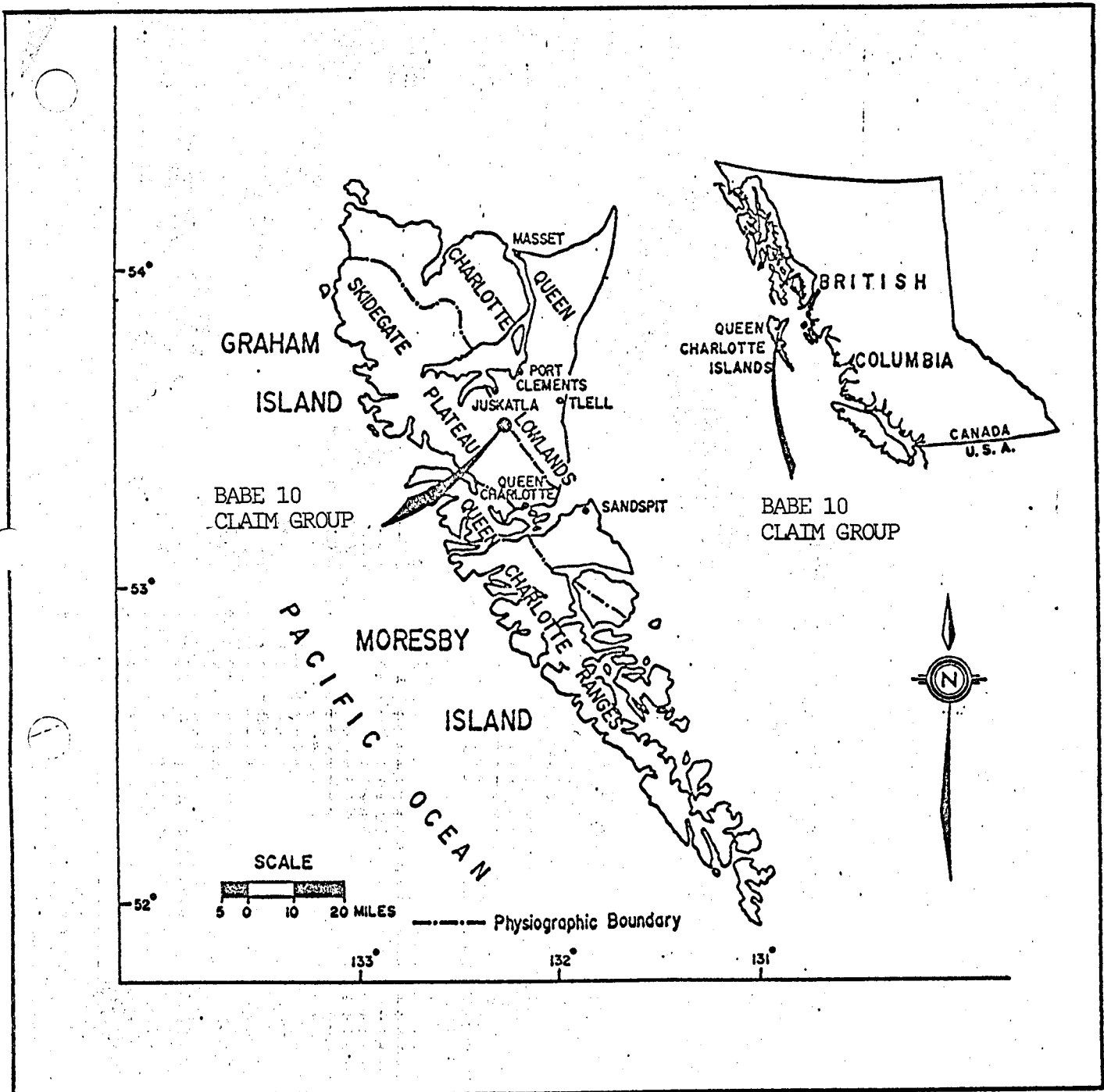


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CONSOLIDATED CINOLA MINES LTD  
BABE 10 GROUP CLAIMS

To accompany a report by K.G. Sanders P. Eng. dated Sept 22, 1966

PROPERTY LOCATION AND ACCESS

The BABE 10 group consisting of 38 units as described further in this report under the title "CLAIMS" is located in the Skeena Mining Division about 20 Kilometers due South of Port Clements, Graham Island, Queen Charlotte Islands, British Columbia. The Road distance is approximately 45 Kilometers along MacMillan - Bloedel haulage routes.

\*\*\*\*\*

CLAIMS

The BABE 10 claim group consists of the following claims:

<u>CLAIM NAME</u>	<u>UNITS</u>	<u>RECORD NUMBERS</u>	<u>RECORDING DATE</u>
BABE 9 - 16	8	35222 - 35229	March 26, 1970
RIC 1 - 10	10	36589 - 36598	April 28, 1971
BABE 26 - 29	4	36603 - 36606	April 28, 1971
YAKY 4	6	1930	December 5, 1979
YAKY 5	7	1931	December 5, 1979
YAKY 6 Fr	3	1932	December 5, 1979

\*\*\*\*\*

WORK

A soil sampling program of the "B" Horizon was carried out from July 5, 1980 to July 14, 1980. Joey McLeod, Duncan Bain, Mike Solich, Malcolm McKillop, Shaun King and John Fulton carried out the soil sampling on the Property ( see pocket for grid). Samples were analyzed by Acme Analytical Laboratories Ltd. in accordance with standard methods described at the end of this report (Appendix I).

In addition Loach, Hobbs and Kyler surveyed the RIC 9 and 10 claims in May of 1980. (pocket)

COSTS

Analysis 162 samples pulverized	\$1,264.59
Drafting S. Smeeton	400.00
Sampling	2,992.00
Supplies	75.00
TOTAL	<u>\$4,731.59</u>

60% of Geochem done on BABE 10 Group	\$2,838.95
60% of \$4,731.59	
Loach Survey on 2 claims cost more than	1,200.00
Work in Cinola Bank	
30% allowable x \$2,838.95	851.69

TOTAL SUBMITTED FOR ASSESSMENT PURPOSES	<u><u>\$4,890.64</u></u>
---	--------------------------

*K. D. Sanders*

Interpretation of Geochem Results and Conclusions:

The geochem survey was carried out by the company for a specific purpose other than to fulfil assessment requirements to maintain the mineral claims in good standing. Its purpose was to evaluate the area immediately east of the known Cinola mineralization for possible parallel mineralized gold bearing structures.

From previous experience with the soil geochemistry on the Cinola property the following backgrounds, thresholds and anomalies have already been accepted. For gold the background values are accepted as less than 0.01 p.p.m.; for mercury less than 0.30 p.p.m. and for arsenic less than 25 p.p.m. The threshold ranges are 0.01 to 0.02 p.p.m. for gold, 0.30 to 0.50 p.p.m. for mercury, and 25 to 50 p.p.m. for arsenic. Anomalous values are accepted as more than 0.02 p.p.m. for gold, more than 0.50 p.p.m. for mercury and more than 50 p.p.m. for arsenic.

GOLD: Most anomalous gold values in the soils found in this survey are clearly derived from the main Cinola deposit and are found down slope on its east side and close to it. A weak anomaly is apparent on the east side of the second hill top or mesa where drill hole 79-14 is located. All other anomalous values are considered weak.

MERCURY: The anomalous mercury pattern found in this survey is mostly derived from the main Cinola deposit except that good mercury values above 5 p.p.m. in the far eastern corner of the grid area may have their origins elsewhere - possibly relating to the weak gold anomaly in the same area.

ARSENIC: The conclusions derived from the arsenic values are similar to the conclusions from the gold and mercury values. The weak anomaly in the far east corner of the survey area is confirmed by all three metals. There appears to be nothing else apparently anomalous from the results of this particular survey. The main Cinola deposit has produced a good geochem anomaly in all three metals and it shows a south easterly drift conforming to the topography. The weak anomaly in the east corner of the area however does not appear related to the main anomaly or the Cinola deposit.

*H. B. Sanders*

CERTIFICATE

I, Kenneth G. Sanders of 1940 Limerick Place, North Vancouver, in the Province of British Columbia, hereby certify as follows:

I am a registered Geological Engineer in the Association of Professional Engineers of British Columbia, Certificate No. 4536


I have practiced in this profession for thirty years after graduation from the University of Toronto in 1949.

I personally supervised the soil geochemistry program referred to in this report submitted for assessment purposes.

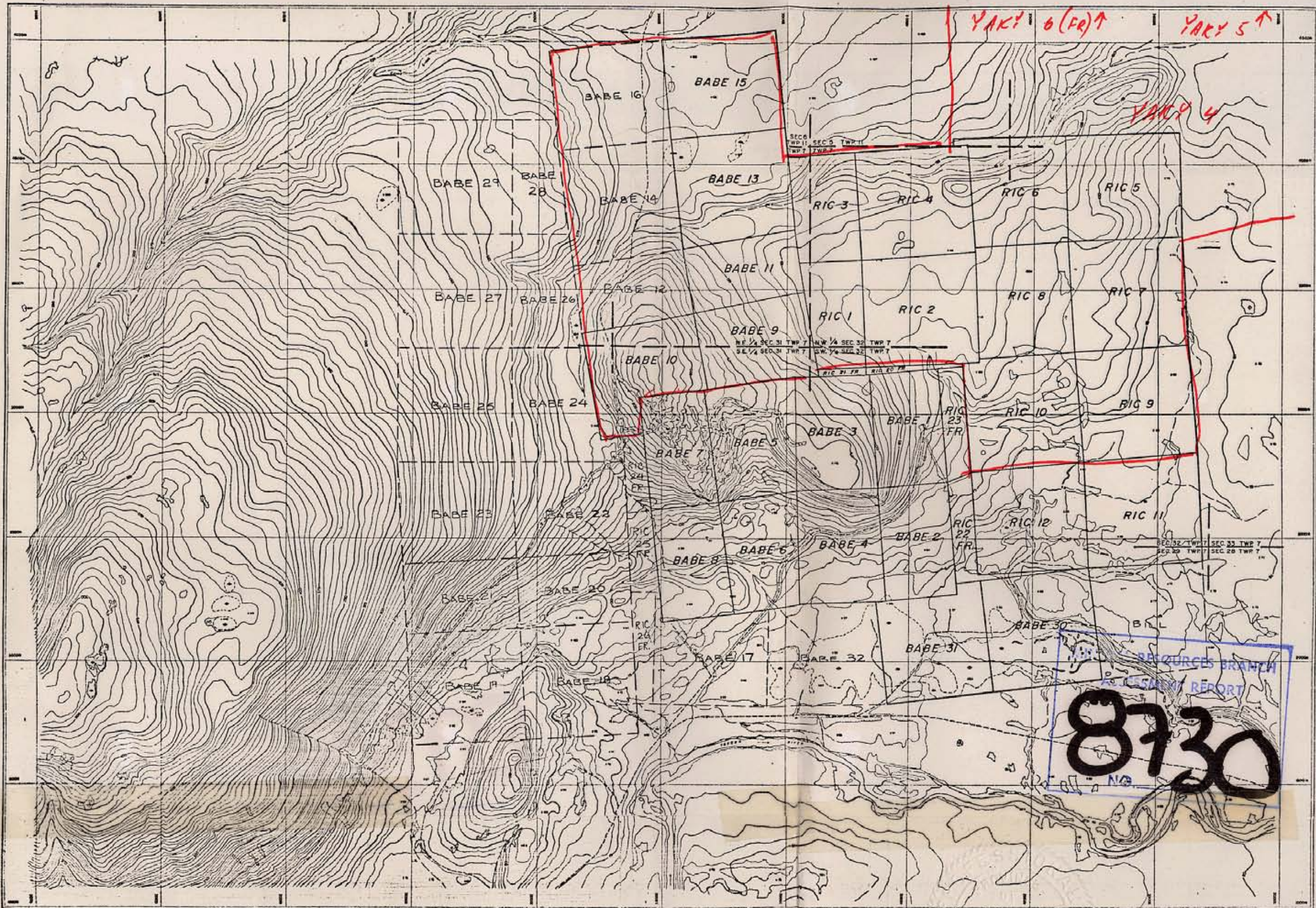
Dated at Vancouver, British Columbia, this 22nd day of September, 1980.




K. G. Sanders, P. Eng.  
September 22, 1980

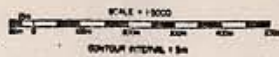






  
 Created by McKenney Surveying &  
 Engineering Ltd.  
 REG. NO. 60752-8

CONSOLIDATED CNOLA MINES LTD  
 YAKOUN RIVER AREA



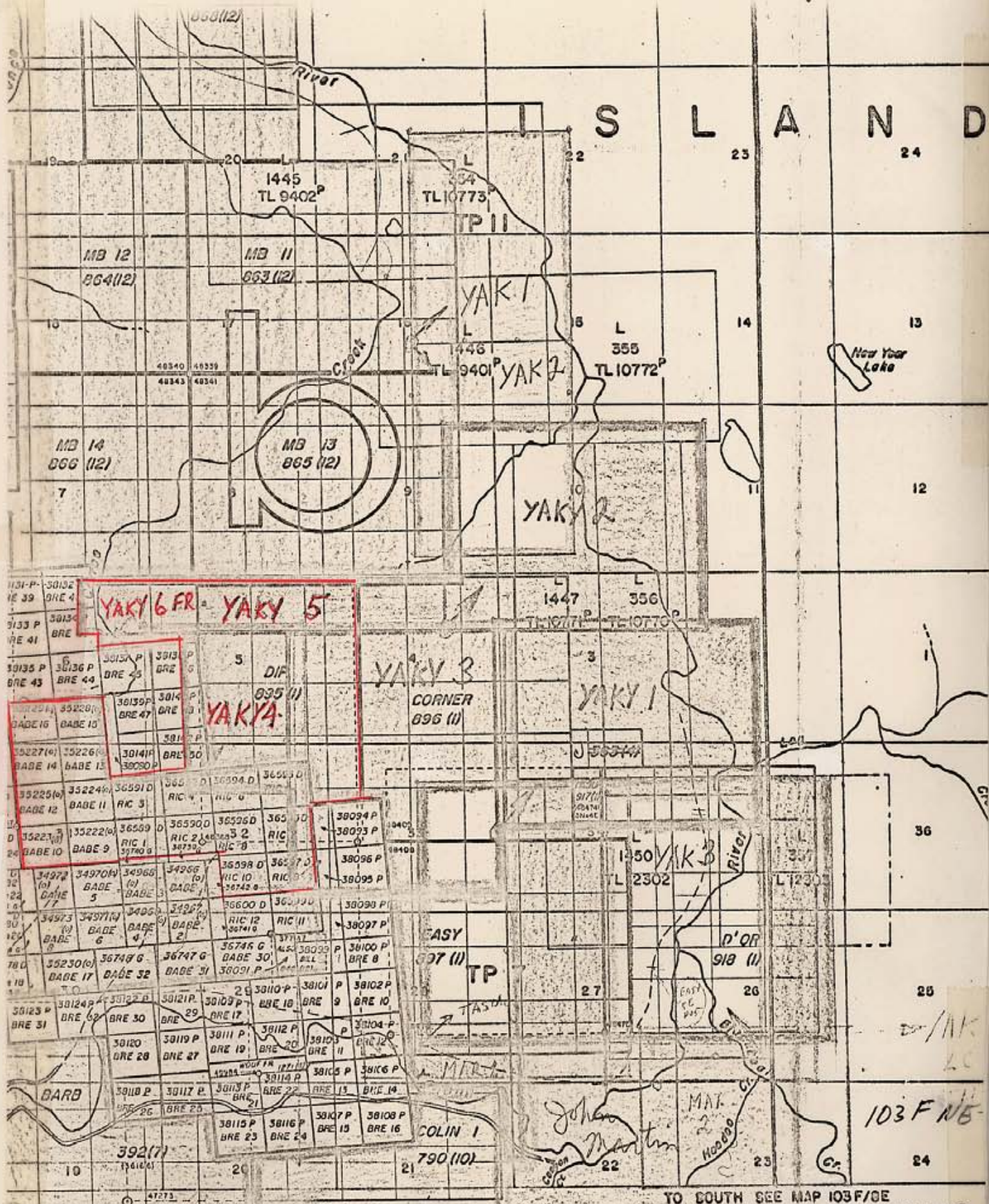
*J. J. Sanders*  
 SURVEYED CLAIM BOUNDARY  
 UN-SURVEYED CLAIM BOUNDARY

CONSOLIDATED CNOLA MINES LTD - E.R.C. LTD - JOINT VENTURE  
 CNOLA PROPERTY - GRAHAM ISLAND B.C.

MINERAL CLAIM MAP

DATE DRAIN: JUNE 1980  
 REVISION: 00  
 SCALE: 1:5000

Figure 2



Mining Division Boundary  
 Indian Reservation  
 Mineral and Placer Reserve  
 Geological Reserve  
 Park Boundary  
 Recreation Area Boundary  
 Surveyed Line

Crown Granted  
 Reverted CG. Mineral Claim  
 Forfeited Mineral Claim  
 Verified Legal Corner Post  
 Power Transmission Line  
 Pipeline  
 Stream ... perennial

CC  
 M. CC  
 V  
 PIPELINE

TO SOUTH SEE MAP 103 F/GE  
**MINERAL TITLES**  
**DEPARTMENT OF MINES**  
 This map is prepared as a guide only to  
 geographic position of a legal corner post  
 information with respect to the claims

*K. D. Sanders*



ACME ANALYTICAL LABORATORIES LTD.  
ASSAYERS & CHEMISTS  
6435 LAUREL STREET, BURNABY 2, B.C.  
Telephone (604) 299-5242

Geochemical Analysis of Mo, Cu, Pb, Zn, Ag\*, Ni, Co,  
Mn, Bi\*, V, Fe, Cd\*, & Sb\*

Sample preparation

Soil samples are dried at 75°C and sieved to -80 mesh.

Rock samples are ground to -100 mesh.

Digestion

A .50 gram sample is digested with dilute aqua regia in boiling water bath and diluted to 10 mls with demineralized water.

Determination

All the above elements are determined by Atomic Absorption from the solution.

\* With background correction.

Geochemical Analysis of Au

Digestion and extraction

A 10 gram sample which has been ignited over night at 600°C is digested hot with dilute aqua regia, and the clear solution is extracted with Methyl Isobuthyl Ketone.

Determination

Au is determined by AA from the MIBK extractant with background correction.

Geochemical Analysis of Ba

A .100 gram sample is digested hot with NaOH and EDTA solution. The solution is analysis for Ba by AA.

Geochemical Uranium Analysis

Digestion

A .50 gram sample is digested hot with nitric and perchloric acid and diluted to 10 mls.

Fusion

An aliquot is solvent extracted with salting agent and aliquot of is fused with NaF, K<sub>2</sub>CO<sub>3</sub>, & Na<sub>2</sub>CO<sub>3</sub> flux in platinum dish.

Determination

The fluorescence of the pellet is read in the Turner fluorometer.

ACME ANALYTICAL LABORATORIES LTD.  
ASSAYERS & CHEMISTS  
6455 LAUREL STREET, BURNABY 2, B.C.  
Telephone (604) 299-5242

#### Geochemical Analysis for Tungsten

A 1.00 gram sample is fused with  $KCl$ ,  $KNO_3$ , &  $Na_2CO_3$  flux in a test-tube, is leached with 10.0 ml water. An aliquot is used to develop a complex with  $SnCl_2$ ,  $KSCN$  and  $HCl$  which is extracted by n-tributylphosphate and carbon tetrachloride.

#### Geochemical Analysis for Fluorine

A .25 gram sample is fused with sodium hydroxide and is leached with water. The solution neutralized, buffered and adjusted to pH 7.8 and diluted to 100 ml. Fluorine is determined by specific ion electrode with specific ion meter, Orion Model 404.

#### Geochemical Analysis for Tin

A 1.0 gram sample is fused with ammonium iodide in a test-tube. The decomposed iodine is leached with dilute hydrochloric acid; an aliquot is used for colorimetric development with gallein in a buffered solution.

#### Geochemical Analysis for Platinum

A 10 gram sample is digested with aqua regia to dryness. An aliquot of  $HCl$  leached solution is reduced by stannous chloride and extracted into MIBK. The extracted Pt is determined by AA with background correction.

#### Geochemical Analysis of As

##### Digestion

A .50 gram digested hot with 5 ml of 50%  $HCl$ , and then diluted to 10 ml.

##### Determination

The As is evolved from solution of  $KI$ ,  $SnCl_2$  by Zn metal into  $AgDDC$  solution which is read colorimetrically.

ACME ANALYTICAL LABORATORIES LTD.  
ASSAYERS & CHEMISTS  
6455 LAUREL STREET, BURNABY 2, B.C.  
Telephone (604) 299-5242

### Geochemical Analysis of Hg

#### Digestion

A .50 gram sample is digested with nitric and perchloric acid and diluted with 20% HCl.

#### Determination

Hg is determined by cold vapour AA using F & J scientific Hg assembly. An aliquot is added to stannous chloride-hydrochloric acid solution. The reduced Hg is carried by bubbling air through the solution and passed into the Hg cell determined by AA.

#### Oxalic Acid Leach of Rock, Soil & Silt Samples

A .50 gram sample is digested hot with 10 mls 5% oxalic acid solution. The oxalic acid will dissolve Fe and Mn from their oxides of M - 1 fraction (but not from magnetite & ilmenite) limonites and clays. The following metals are analysed by atomic absorption: Cu, Zn, Pb, Ni, Mo, Fe, & Mn.

#### Cold HCl Acid Extraction

A .50 gram sample is leached at room temperature for 2 hours with occasional shaking with 10 mls 5% HCl solution. This will dissolve Cu from the organic and surface of clay fractions.

#### EDTA Extraction

A .50 gram sample is leached at room temperature for 4 hours with 10 mls of 2.5% EDTA solution.

CORE & ROCK ASSAYS SOIL, ROCK & WATER GEOCHEM ANALYSIS  
ACME ANALYTICAL LABORATORIES, LTD.

MAIN LAB - 6455 LAUREL ST.  
BURNABY, B.C. V5B 3B4  
(604) 299-5242

ROSS RIVER - YUKON - (403) 969-2217

DEAN TOYE, B.Sc.  
CHIEF CHEMIST, CERTIFIED B.C. ASSAYER  
HOME PHONE 438-7672



Appendix II

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

To: Consolidated Cinola Mines Ltd.,  
711 - 535 Granville Street,  
Vancouver, B.C.

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone: 253 - 3158

File No. 80-606

Type of Samples Soils

**GEOCHEMICAL ASSAY CERTIFICATE**

Disposition \_\_\_\_\_

SAMPLE No.	Au	As	Hg																		
Line OX 50 SW	.005	15	.240																		1
1+00	.005	2	.090																		2
1+50	.005	3	.020																		3
2+00	.005	5	.080																		4
2+50	.005	1	6.500																		5
Line OX 3+00 SW	.060	95	.625																		6
																					7
Line OX BL00	.010	1	.175																		8
50 NE	.005	1	.185																		9
1+00	.010	14	.275																		10
1+50	.005	18	.680																		11
2+00	.005	23	.240																		12
2+50	.005	4	.100																		13
3+00	.005	34	.505																		14
3+50	.010	16	.300																		15
4+00	.005	3	6.400																		16
Line OX 4+50 NE	.005	2	.200																		17
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																					40

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All results are in PPM.  
DIGESTION:.....  
DETERMINATION:.....

DATE SAMPLES RECEIVED July 19, 1980  
DATE REPORTS MAILED July 30, 1980  
ASSAYER Dean Toye

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER



To: Consolidated Cinola Mines Ltd.,

File No. 80-606

Type of Samples Soils

Disposition \_\_\_\_\_

**GEOCHEMICAL ASSAY CERTIFICATE**

2

SAMPLE No.	Au	As	Hg																		
Line 1X50 SW	.005	33	.345																		1
1+00	.005	23	.290																		2
1+50	.005	1	.265																		3
2+00	.005	18	.295																		4
2+50	.005	12	.380																		5
Line 1X3+00 SW	.005	42	.305																		6
																					7
Line 1XBL00	.005	20	.300																		8
50 NE	.005	26	.400																		9
1+00	.030	65	2.740																		10
1+50	.010	55	2.250																		11
2+00	.010	2	.340																		12
2+50	.005	23	2.350																		13
3+00	.005	59	65.000																		14
3+50	.005	12	2.900																		15
4+00	.005	43	5.800																		16
Line 1X4+50 NE	.020	2	.180																		17
																					18
Line 2X50 SW	.010	40	.415																		19
1+00	.100	76	2.950																		20
1+50	.020	72	2.150																		21
2+00	.005	17	.245																		22
2+50	.005	1	.065																		23
Line 2X3+00 SW	.005	10	.165																		24
																					25
Line 2XBL00	.050	72	.425																		26
50 NE	.040	73	1.100																		27
1+00	.080	77	3.100																		28
1+50	.020	43	1.150																		29
2+00	.030	61	6.000																		30
2+50	.005	54	2.400																		31
3+00	.010	61	5.500																		32
3+50	.005	49	.445																		33
4+00	.005	23	.630																		34
Line 2X4+50 NE	.005	26	.560																		35
																					36
																					37
																					38
																					39
																					40

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To: Consolidated Cinola Mines Ltd.,

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone: 253 - 3158

File No. 80-606

Type of Samples Soils

Disposition

**GEOCHEMICAL ASSAY CERTIFICATE**

3

SAMPLE No.	Au	As	Hg																
3+0+50 SW	.005	25	.260																1
3+1+00	.005	1	.345																2
3+1+50	.005	1	.355																3
3+2+00	.005	10	.425																4
3+2+50	.005	35	.190																5
3+3+00 SW	.005	20	.330																6
																			7
B.L. 3+00 NW	.030	20	1.100																8
Line 3X50 NE	.040	53	1.270																9
1+00	.060	16	1.320																10
1+50	.005	55	1.180																11
2+00	.120	81	6.100																12
2+50	.040	71	4.850																13
3+00	.005	65	2.450																14
3+50	.020	52	4.000																15
4+00	.020	68	6.700																16
Line 3X4+50 NE	.005	55	1.650																17
																			18
4+0+50 SW	.020	10	2.580																19
4+1+00	.005	3	.330																20
4+1+50	.020	77	9.600																21
4+2+00	.005	51	.870																22
4+2+50	.020	54	1.730																23
4+3+00 SW	.005	67	.245																24
																			25
B.L. 4+00 NE	.005	3	.225																26
Line 4X50 NE	.060	72	1.650																27
1+00	.080	75	2.030																28
1+50	.030	47	.570																29
2+00	.030	26	.730																30
2+50	.005	4	.345																31
3+00	.005	6	.680																32
3+50	.010	44	1.010																33
Line 4X4+00 NE	.030	35	9.050																34
																			35
																			36
																			37
																			38
																			39
																			40

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DETERMINATION:.....

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ASSAYER

*Dean Toyé*

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER



To: Consolidated Cinola Mines Ltd.,

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone: 253 - 3158

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Type of Samples Soils

GEOCHEMICAL ASSAY CERTIFICATE

Disposition

SAMPLE No.	Au	As	Hg																		
5+0+50 SW	.005	5	1.050																		1
5+1+00	.005	69	.515																		2
5+1+50	.005	12	.740																		3
5+2+00	.005	65	9.600																		4
5+2+50	.005	31	.425																		5
5+3+00 SW	.005	18	.130																		6
B.L. 5+00 NW	.005	1	.130																		7
Line 5X 50 NE	.005	52	.175																		8
1+00	.005	47	.420																		9
1+50	.020	13	.610																		10
2+00	.020	43	1.130																		11
2+50	.030	60	3.400																		12
3+00	.020	63	6.100																		13
3+50	.010	30	.260																		14
4+00	.005	15	.125																		15
Line 5X 4+50 NE	.005	24	.835																		16
6+0+50 SW	.005	4	.270																		17
6+1+00	.005	42	.725																		18
6+1+50	.020	42	4.150																		19
6+2+00	.005	65	.900																		20
6+2+50	.005	15	.620																		21
6+3+00 SW	.005	22	.420																		22
BL6+00	.050	41	1.850																		23
6+0+50 NE	.005	47	2.000																		24
6+1+00	.005	6	1.150																		25
6+1+50	.005	34	1.000																		26
6+2+00	.010	28	.750																		27
6+2+50	.005	37	2.900																		28
6+3+00	.005	64	1.820																		29
6+3+50	.020	56	5.400																		30
6+4+00	.005	46	1.600																		31
6+4+50 NE	.005	10	1.400																		32
																					33
																					34
																					35
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DIGESTION:.....

DETERMINATION:.....

\*P = -20 mesh pulverized.

DATE SAMPLES RECEIVED July 19, 1980

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ASSAYER *Dean Toy*

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER



To: Consolidated Cinola Mines Ltd.

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

File No. 80-606

Type of Samples Soils

GEOCHEMICAL ASSAY CERTIFICATE

Disposition

5

SAMPLE No.	Au	As	Hg								
Line 7x00 50 SW	.020	32	.165								1
100	.005	23	.275								2
150	.005	6	.295								3
200	.020	40	1.550								4
250	.005	11	.570								5
Line 7X00 300 SW	.040	18	.350								6
BL7+00	.005	20	.555								7
7+50 NE	.005	28	.575								8
7+1+00	.010	47	.310								9
7+1+50	.030	69	2.050								10
7+2+00	.030	40	1.300								11
7+2+50	.080	60	2.500								12
7+3+00	.005	58	1.500								13
7+3+50	.005	47	1.200								14
7+4+00	.005	51	3.100								15
7+4+50 NE	.005	5	3.500								16
Line 8X00 50 SW	.020	58	.900								17
100	.005	17	.360								18
150	.010	49	.415								19
200	.010	35	.285								20
250	.005	6	.480								21
Line 8X00 300 SW	.450	64	2.300								22
Bl.8+00	.020	20	1.050								23
8+50 NE	.005	25	.910								24
8+1+00	.020	60	.285								25
8+1+50	.005	41	.610								26
8+2+00	.005	34	1.180								27
8+2+50	.020	60	.900								28
8+3+00	.040	47	1.320								29
8+3+50	.020	9	1.750								30
8+4+00	.005	43	.700								31
8+4+50 NE	.005	25	.455								32
											33
											34
											35
											36
											37
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ASSAYER *[Signature]*

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER



To: Consolidated Cinola Mines Ltd.,

File No. 80-606

Type of Samples Soils

**GEOCHEMICAL ASSAY CERTIFICATE**

Disposition

6

SAMPLE No.	Au	As	Hg							
Line 9X50 SW	.005	7	.210							1
1+00	.060	22	1.250							2
1+50	.110	60	.450							3
2+00	.130	65	.650							4
2+50	.100	28	.305							5
Line 9X3+00 SW	.060	32	.295							6
BL9+00	.005	16	.435			P				7
9+0+50 NE	.005	14	.405			P				8
9+1+00	.040	75	1.800							9
9+1+50	.005	66	.525							10
9+2+00	.005	85	5.800			P				11
9+2+50	.005	39	.710			P				12
9+3+00	.005	6	.640							13
9+3+50	.010	27	.245							14
9+4+00	.005	13	.115							15
9+4+50 NE	.005	52	.295							16
Line 10X50 SW	.160	75	3.150							17
1+00	.160	80	3.200							18
1+50	.110	48	.570							19
2+00	.070	30	.330							20
2+50	.010	5	.305							21
Line 10X3+00 SW	.005	12	.050							22
BL10+00	.060	72	3.200							23
10+0+50 NE	.040	80	1.650							24
10+1+00	.005	76	1.950			P				25
10+1+50	.005	75	.190			P				26
10+2+00	.005	84	.765			P				27
10+2+50	.005	23	.455							28
10+3+00	.005	24	.155							29
10+3+50	.005	12	.280			P				30
10+4+00	.005	10	.370			P				31
10+4+50 NE	.005	9	.215							32
										33
										34
										35
										36
										37
										38
										39
										40

All reports are the confidential property of clients  
All results are in PPM.

DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED July 19, 1980

DATE REPORTS MAILED July 30, 1980

ASSAYER *Dean Toye*

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER



To: Consolidated Cinola Mines Ltd.,

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone: 253 - 3158

File No. 80-606

Type of Samples Soils

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

Table with columns: SAMPLE No., Au, As, Hg, and numbered rows 1-40. Data includes sample IDs like Line 11X50 SW and values for Au, As, and Hg.

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DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED July 19, 1980

DATE REPORTS MAILED July 30, 1980

ASSAYER [Signature]

DEAN TOYE, B.Sc. CHIEF CHEMIST CERTIFIED B.C. ASSAYER



To: Consolidated Cinola Mines Ltd.,

80-606

File No. \_\_\_\_\_

Type of Samples Soils

Disposition \_\_\_\_\_

**GEOCHEMICAL ASSAY CERTIFICATE**

8

SAMPLE No.	Au	As	Hg								
Line 13X50 SW	.250	82	4.600								1
1+00	.020	54	.670								2
1+50	.070	73	1.650								3
2+00	.005	30	.460								4
2+50	.005	26	.330								5
Line 13X3+00 SW	.110	73	2.450								6
BL13+00	.030	73	1.480								7
Line 13X00 50NE	.005	18	.100								8
100	.005	27	.115								9
150	.010	35	.295								10
200	.040	32	.295								11
250	.010	9	.370								12
300	.020	64	.125								13
350	.005	19	.070								14
400	.005	21	.115								15
Line 13X00 450NE	.005	29	.540								16
Line 14 0+50 SW	.005	45	.285								17
1+00	.040	54	1.500								18
1+50	.020	50	.690								19
2+00	.040	46	.600								20
2+50	.060	65	.900								21
Line 14 3+00 SW	.030	32	.320								22
BL14+00	.005	2	.525								23
Line 14X00 50NE	.005	6	.630								24
100	.005	30	.205								25
150	.040	29	.415								26
200	.020	38	.240								27
250	.030	46	.195								28
300	.030	76	.155								29
350	.020	25	.430								30
400	.010	28	.335								31
Line 14X00 450NE	.005	32	.185								32
											33
											34
											35
											36
											37
											38
											39
											40

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All results are in PPM.

DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED July 19, 1980

DATE REPORTS MAILED July 30, 1980

ASSAYER Dean Toye

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER

To: Consolidated Cinola Mines Ltd.

File No. 80-606

Type of Samples Soils

Disposition

**GEOCHEMICAL ASSAY CERTIFICATE**

SAMPLE No.	Au	As	Hg																		
Line 15 0+50 SW	.020	25	.310																		1
1+00	.050	72	2.860																		2
1+50	.210	70	2.370																		3
2+00	.020	56	.275																		4
2+50	.005	32	.120																		5
Line 15 3+00 SW	.005	26	.155																		6
BL15+00	.010	16	.285																		7
Line 15X00 50NE	.005	38	.210																		8
100	.040	75	.385																		9
150	.060	46	.300																		10
200	.010	39	.260																		11
250	.050	48	.755																		12
300	.010	30	.165																		13
350	.005	5	.105																		14
400	.005	3	.070																		15
Line 15X00 450NE	.010	28	.285																		16
Line 16 0+50 SW	.010	7	.515																		17
1+00	.005	24	.195																		18
1+50	.010	16	.260																		19
2+00	.005	38	.245																		20
2+50	.010	30	.280																		21
Line 16 3+00 SW	.050	78	.140																		22
BL16+00	.005	20	.280																		23
Line 16X00 50NE	.030	65	.365																		24
100	.005	29	.125																		25
150	.060	48	.370																		26
200	.005	3	.305																		27
250	.005	8	.240																		28
300	.005	16	.205																		29
350	.005	14	.250																		30
400	.010	32	.240																		31
Line 16X00 450NE	.005	11	.205																		32
																					33
																					34
																					35
																					36
																					37
																					38
																					39
																					40

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DATE SAMPLES RECEIVED July 19, 1980

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852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

File No. 80-606

Type of Samples Soils

GEOCHEMICAL ASSAY CERTIFICATE

Disposition

10

SAMPLE No.	Au	As	Hg																		
17+0+50 SW	.005	4	.340																		1
17+1+00	.005	2	.345																		2
17+1+50	.005	32	.275																		3
17+2+00	.015	44	.160																		4
17+2+50	.045	55	.225																		5
17+3+00 SW	.005	50	.125																		6
17+00 BL	.005	42	.145																		7
Line 17X00 50NE	.005	6	5.270																		8
100	.005	4	.100																		9
150	.015	45	.195																		10
200	.010	12	.150																		11
250	.005	3	.110																		12
300	.005	4	.035																		13
350	.010	7	.160																		14
400	.005	16	.350																		15
Line 17X00 450NE	.005	5	.220																		16
18+50 SW	.005	29	.135																		17
18+1+00	.015	32	.180																		18
18+1+50	.020	55	.185																		19
18+2+00	.005	35	.095																		20
18+2+50	.005	42	.105																		21
18+3+00 SW	.030	54	.210																		22
1800+00(B.L.)NW	.005	21	.290																		23
Line 18X00 50NE	.010	36	.455																		24
100	.005	43	.525																		25
150	.005	22	.165																		26
200	.005	6	.125																		27
250	.005	3	.105																		28
300	.005	3	.070																		29
350	.025	28	.315																		30
400	.050	30	.250																		31
Line 18X00 450NE	.020	28	.415																		32
																					33
																					34
																					35
																					36
																					37
																					38
																					39
																					40

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All results are in PPM.

DIGESTION:.....

DETERMINATION:.....

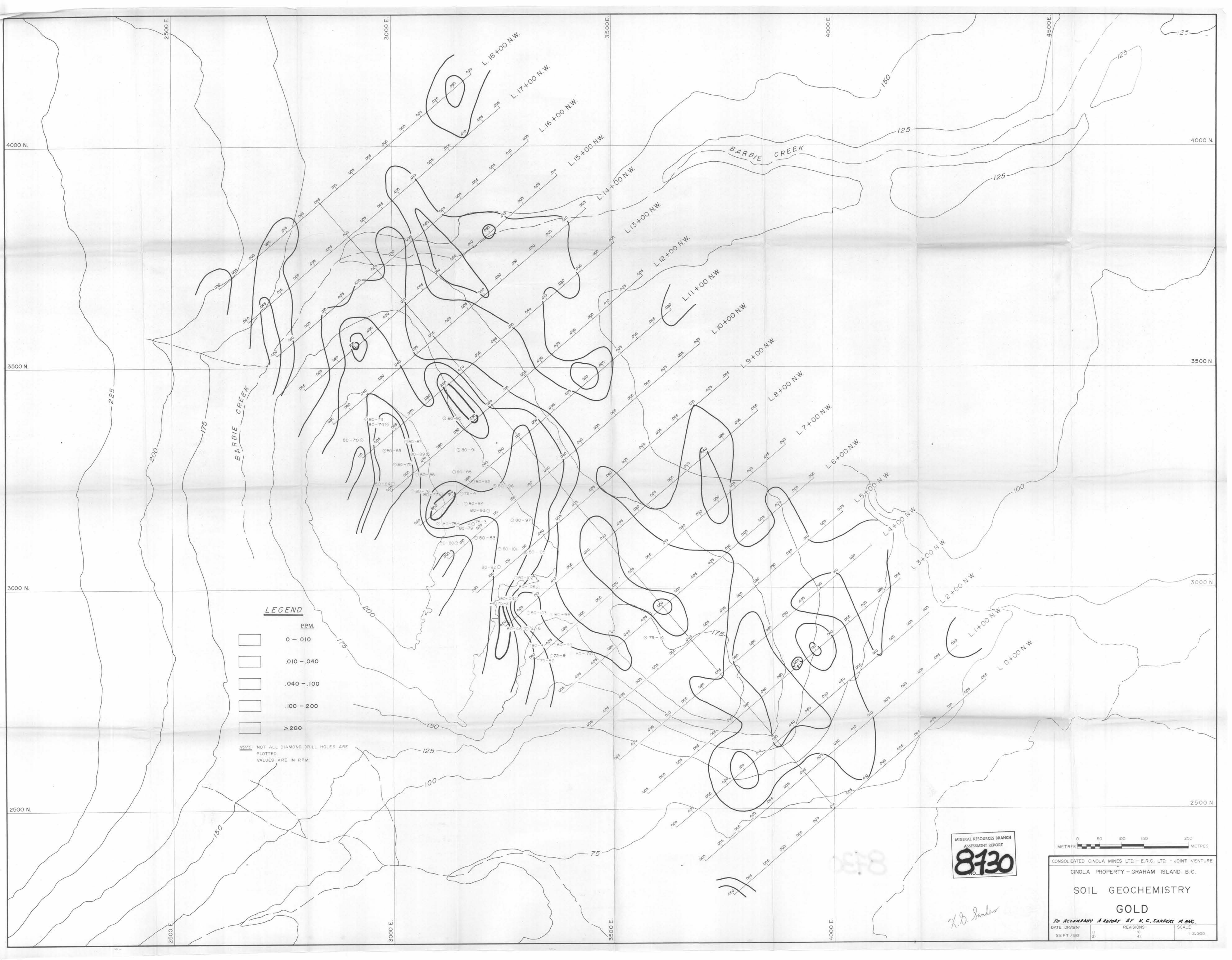
DATE SAMPLES RECEIVED July 19, 1980

DATE REPORTS MAILED July 30, 1980

ASSAYER *[Signature]*

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER





**LEGEND**

	PPM
	0 - .010
	.010 - .040
	.040 - .100
	.100 - .200
	> 200

**NOTE:** NOT ALL DIAMOND DRILL HOLES ARE PLOTTED. VALUES ARE IN PPM

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**8730**

*K. G. Sanders*



CONSOLIDATED CINOLA MINES LTD. - E.R.C. LTD. - JOINT VENTURE

CINOLA PROPERTY - GRAHAM ISLAND B.C.

SOIL GEOCHEMISTRY

GOLD

TO ACCOMPANY A REPORT BY K.G. SANDERS P. ENG.  
DATE DRAWN: (1) 31  
SEPT / 80 (2) 21 REVISIONS: (1) 31 (2) 41 SCALE: 1:2,500



**LEGEND**

- |                   | PPM            |
|-------------------|----------------|
| [White box]       | < .500         |
| [Light grey box]  | .500 - 1.000   |
| [Medium grey box] | 1.000 - 5.000  |
| [Dark grey box]   | 5.000 - 10.000 |
| [Black box]       | > 10.000       |

NOTE: NOT ALL DIAMOND DRILL HOLES ARE PLOTTED. VALUES ARE IN PPM.

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**8130**

0 50 100 150 200 250 METRES

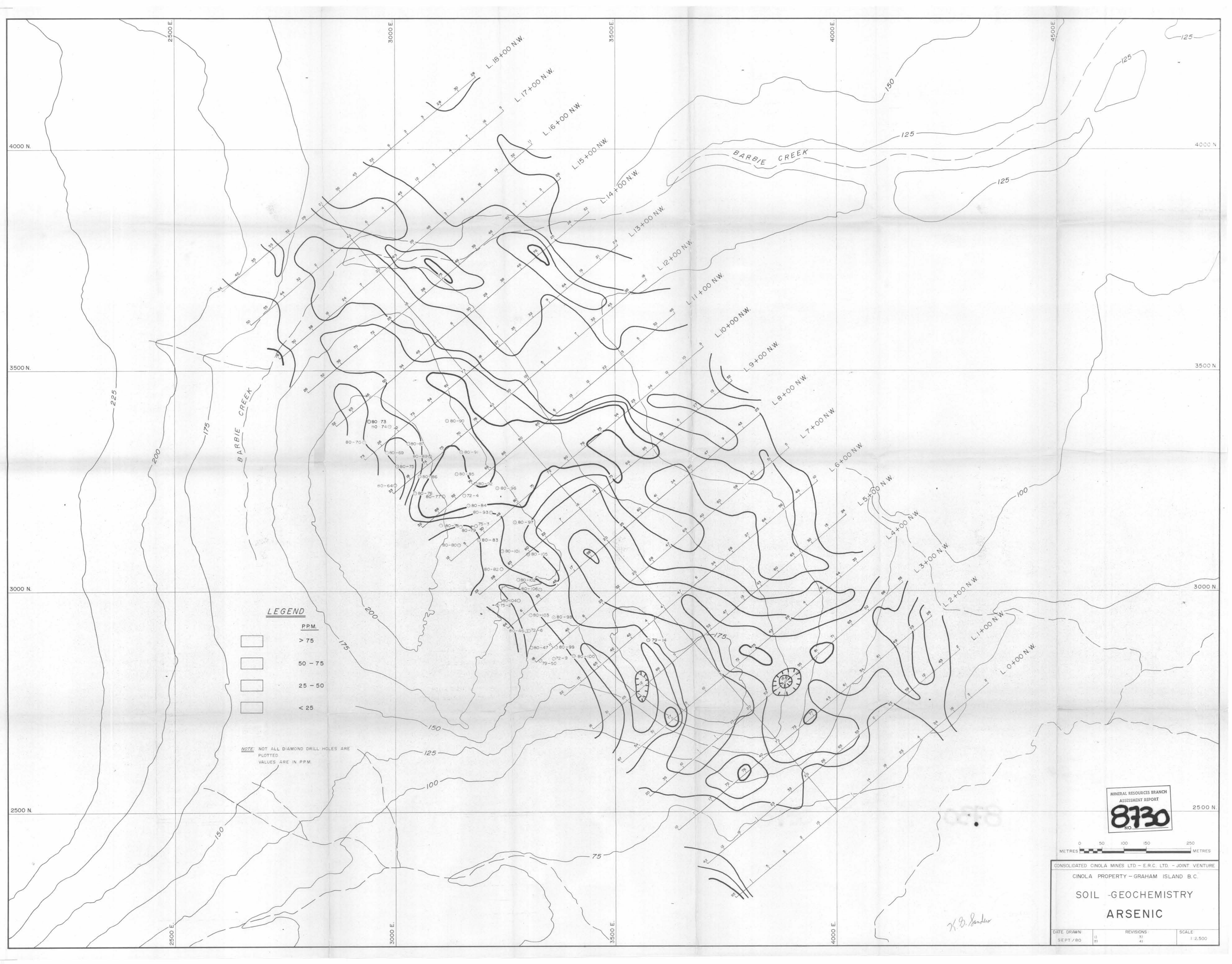
CONSOLIDATED CINOLA MINES LTD - E.R.C. LTD - JOINT VENTURE  
CINOLA PROPERTY - GRAHAM ISLAND B.C.

**SOIL GEOCHEMISTRY  
MERCURY**

TO ACCOMPANY A REPORT BY K.G. SANDERS P. ENG.

DATE DRAWN	11 SEPT / 80	REVISIONS	31 32 33 34 35 36 37 38 39 40 41	SCALE	1:2,500
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*K.G. Sanders*

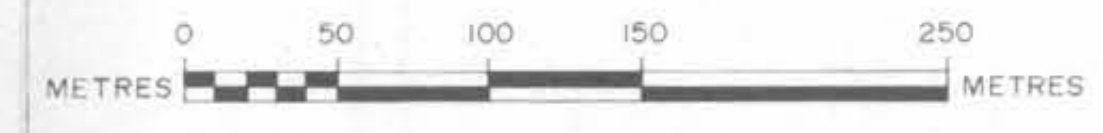


**LEGEND**

PPM
> 75
50 - 75
25 - 50
< 25

NOTE: NOT ALL DIAMOND DRILL HOLES ARE PLOTTED. VALUES ARE IN PPM.

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**8730**  
NO.



CONSOLIDATED CINOLA MINES LTD - E.R.C. LTD. - JOINT VENTURE  
CINOLA PROPERTY - GRAHAM ISLAND B.C.

**SOIL -GEOCHEMISTRY  
ARSENIC**

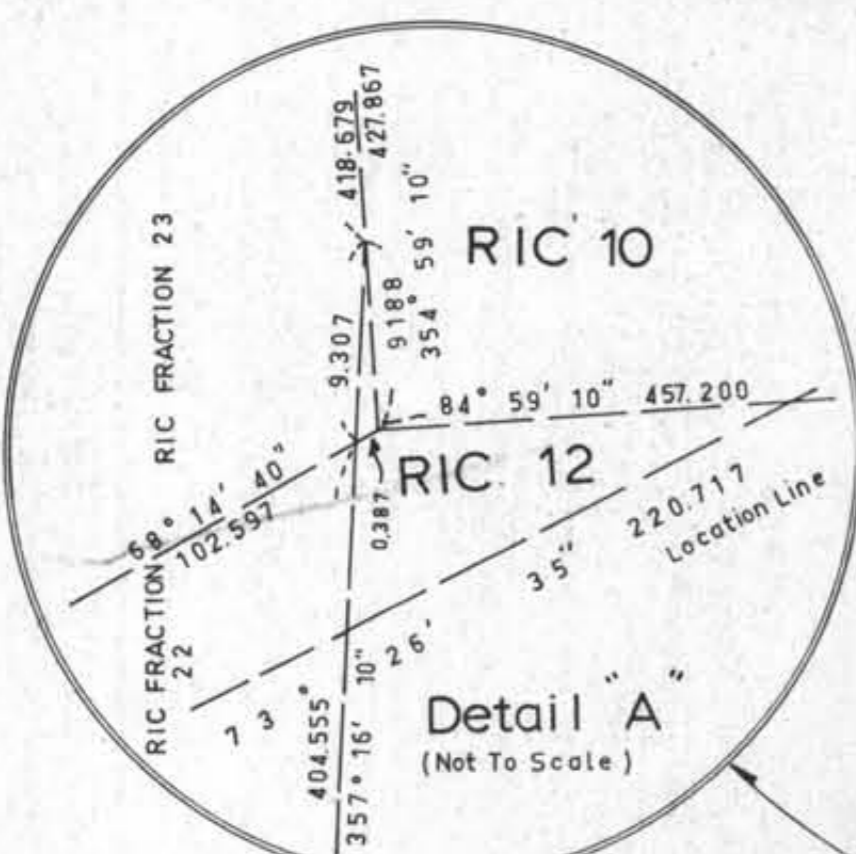
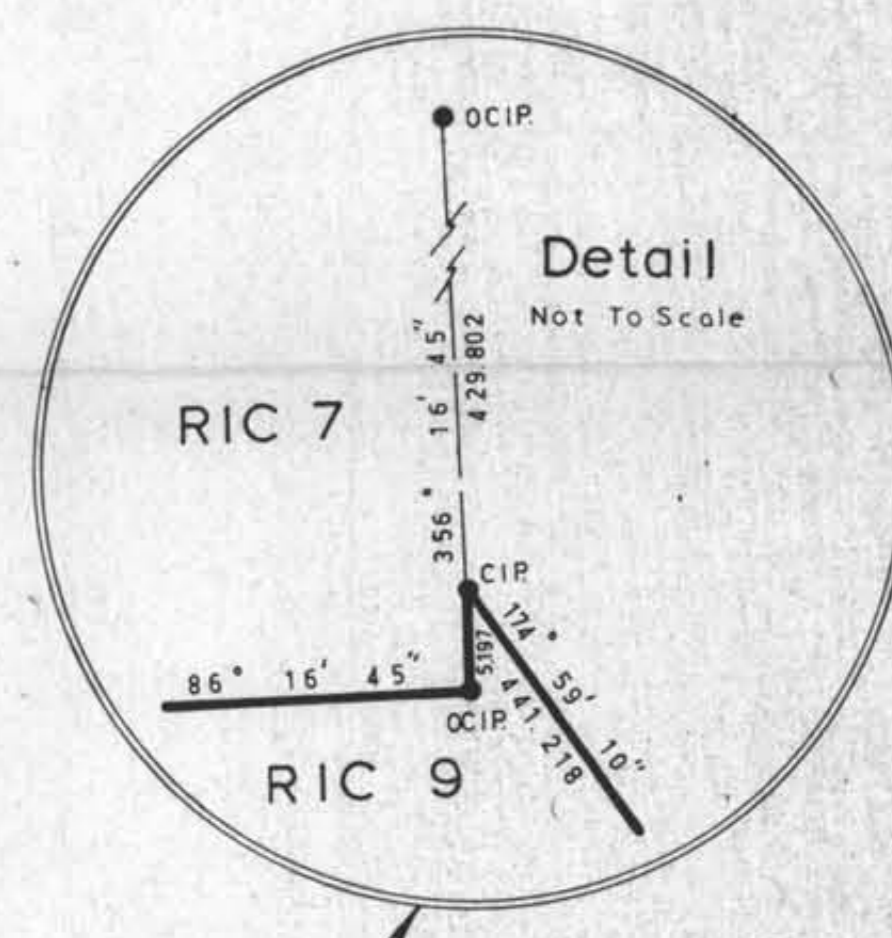
DATE DRAWN:	REVISIONS:	SCALE:
SEPT / 80	31	1:2,500
	40	

*H. D. Sander*

**SURVEY PLAN OF 2 POST CLAIMS; RIC 9 TO 12 INCLUSIVE AND BABE 30 AND 31 AND RIC FRACTIONS 22 AND 23, ZONE 8, 685200 E, 5933250 N.**



NTS 103 F / 9b  
SKEENA MINING DIVISION  
QUEEN CHARLOTTE DISTRICT



Traverse Table			
Station	Bearing	Distance	
No. 1 RIC Fractions 22 And 23			
T.H. 986	81° 18' 00"	24.188	
T.H. 987	77° 11' 15"	51.103	
T.H. 988	72° 41' 25"	45.438	
T.H. 989	75° 49' 05"	37.504	
No. 2 RIC Fractions 22 And 23			
T.H. 990	66° 10' 50"	52.347	
No. 1 RIC, 9 And 10			
T.H. 947	177° 09' 35"	179.675	
T.H. 948	181° 11' 55"	62.989	
T.H. 949	163° 53' 40"	52.531	
T.H. 950	156° 24' 20"	30.953	
T.H. 951	200° 51' 50"	40.534	
No. 2 RIC 9 And 10, No. 1 RIC 11 And 12			
Witness S.E. RIC. 10	354° 59' 10"	1.000	
T.H. 979	235° 26' 15"	31.330	
T.H. 980	199° 58' 25"	412.123	
T.H. 981	34° 55' 25"	113.251	
T.H. 982	121° 43' 15"	89.874	
No. 2 RIC 11 And 12, No. 1 BABE 30			
T.H. 982	395° 20' 25"	38.745	
T.H. 982	175° 20' 25"	38.745	
T.H. 981	301° 43' 15"	89.874	
T.H. 980	274° 55' 25"	113.251	
T.H. 983	272° 21' 40"	88.014	
T.H. 984	226° 12' 00"	74.564	
T.H. 985	247° 58' 10"	106.014	
No. 2 BABE 30, No. 1 BABE 31			
T.H. 985	328° 59' 25"	18.102	
T.H. 985	148° 59' 25"	18.102	
S.E. BABE 2			
Witness S.W. BABE 2	247° 58' 10"	111.016	
Witness S.W. BABE 2	264° 47' 40"	282.414	
No. 2 BABE 31			
T.H. 985	303° 47' 10"	59.588	

I, A. K. WINTER, A British Columbia Land Surveyor Of North Vancouver, B.C., Certify That I Was Present At And Personally Superintended The Survey Represented By This Plan And That The Survey And Plan Are Correct. The Survey Was Completed On The 19th Day Of May 1980.

*Ak Winter*

B.C.L.S.

- LEGEND**
- Bearings Are Astronomic And Derived From The South Boundary Of Mineral Claim RIC 7.
  - Distances Are In Metres And Decimals Thereof.
  - Bearing Tree Bearings Are Magnetic.
  - CIP Denotes Capped Iron Pin Set
  - IP Iron Pin Set
  - OCIP Old Capped Iron Pin Found
  - RP Reference Post Set
  - Wt Witness
  - (C) Calculated
  - o TH Traverse Hub
  - o OIP Old Iron Pin Found

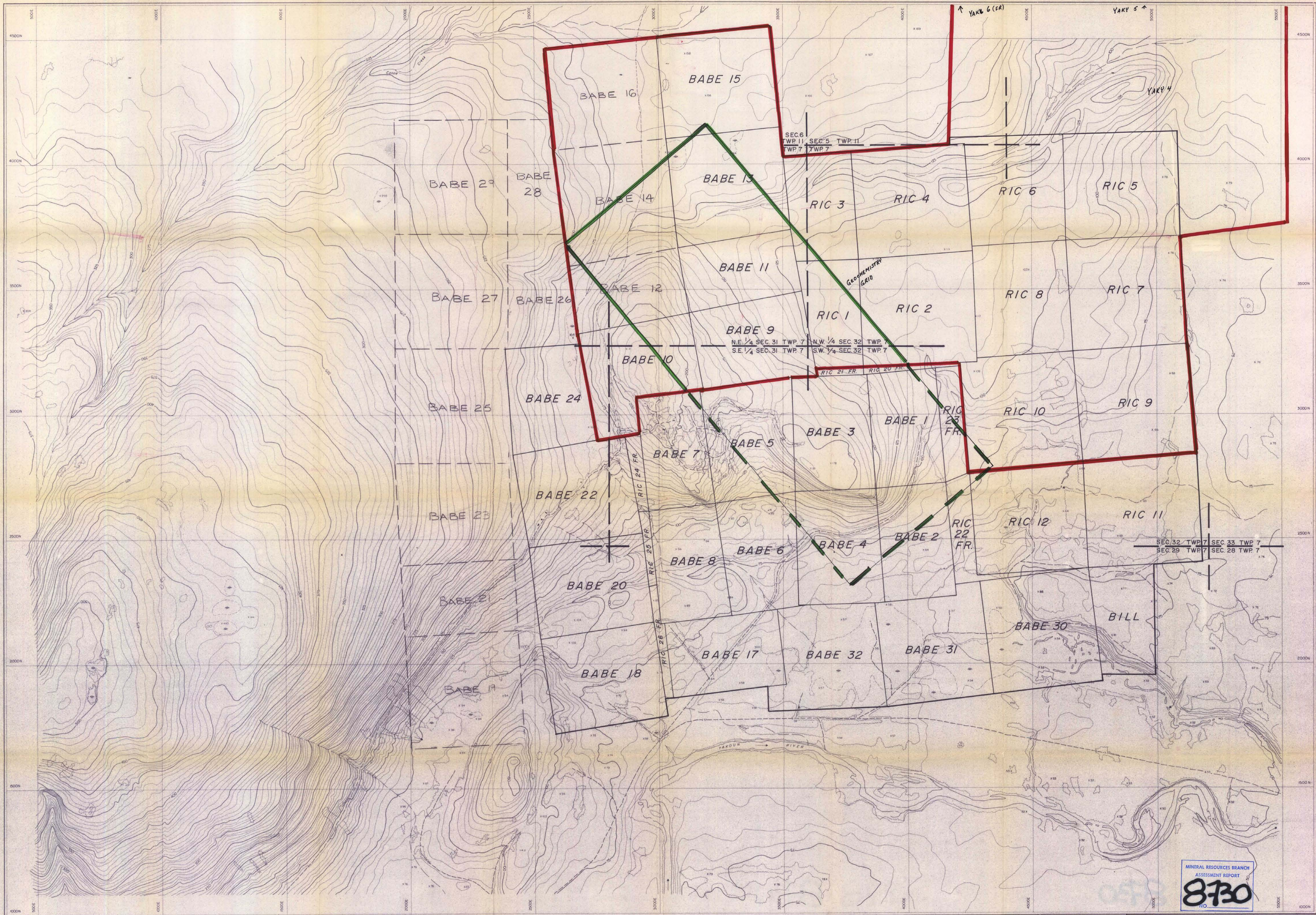
**UTM Co-Ordinates**

BABE 30	6 85625 E	5 933250 N
RIC 9	6 86050 E	5 934100 N
RIC 10	6 85600 E	5 934100 N
RIC 11	6 86050 E	5 933700 N
RIC 12	6 85600 E	5 933700 N
RIC Fraction 22	6 85500 E	5 934100 N
RIC Fraction 23	6 85500 E	5 933700 N

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**8730**  
NO.

TO ACCOMPANY A REPORT BY H.G. SANDERSEN

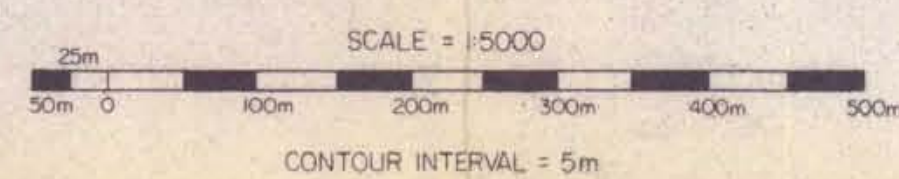
Loach, Hobbs & Kyler  
B.C. Land Surveyors  
North Vancouver, B.C.



MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**8730**  
HO

  
Compiled by McEwen Surveying & Engineering Ltd.  
Ref. No. 06703-0

CONSOLIDATED CINLA MINES LTD.  
YAKOUN RIVER AREA



— SURVEYED CLAIM BOUNDARY  
- - - UN-SURVEYED CLAIM BOUNDARY

*K.G. Sanders*

CONSOLIDATED CINLA MINES LTD. - E.R.C. LTD. - JOINT VENTURE  
CINLA PROPERTY - GRAHAM ISLAND B.C.

**MINERAL CLAIM MAP**

TO ACCOMPANY A REPORT BY K.G. SANDERS P.ENG.  
DATE DRAWN: JUNE 1980  
REVISIONS: 1) 2) 3) 4)  
SCALE: 1:5000