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VANCOUVER, B.C.

SUGAR #1, #2, #3, #4
CLAIMS
(4824, 4825, 4826, 4827)

LIARD MINING DIVISION

PROSPECTING REPORT
OCTOBER, 1989

FILMED

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,196

Latitude 56°50'
Longitude 131°36'

Paul W. Jones
CORONA CORPORATION

TABLE OF CONTENTS

	Page No.
CONCLUSIONS	1
RECOMMENDATIONS	1
INTRODUCTION	1
GEOLOGY	
REGIONAL	5
PROPERTY	6
PROSPECTING TRAVERSES	9
GEOCHEMISTRY	12
STATEMENT OF COSTS	13
STATEMENT OF QUALIFICATIONS	14
BIBLIOGRAPHY	15
APPENDIX A - GEOCHEMICAL METHODS	
APPENDIX B - SAMPLE DESCRIPTIONS	
APPENDIX C - ANALYTICAL RESULTS	

LIST OF FIGURES

PROPERTY LOCATION MAP	3
CLAIM LOCATION MAP	4
REGIONAL GEOLOGY MAP	8
MAPS	In Back
Compilation Map 1 - 1:25,000	

CONCLUSIONS

The Paleozoic and Mesosic stratigraphy of the Sugar A group has been intruded with a variety of stocks and sills. The crystalline Paleozoic rocks have precious metal anomalies as does the Mesosoic Paleozoic contact. Anomalous base metals including copper and zinc were also found in this sequence.

RECOMMENDATIONS

The anomalies discovered during prospecting of the Sugar claims should be detailed mapped and sampled to determine whether further exploration is warrented.

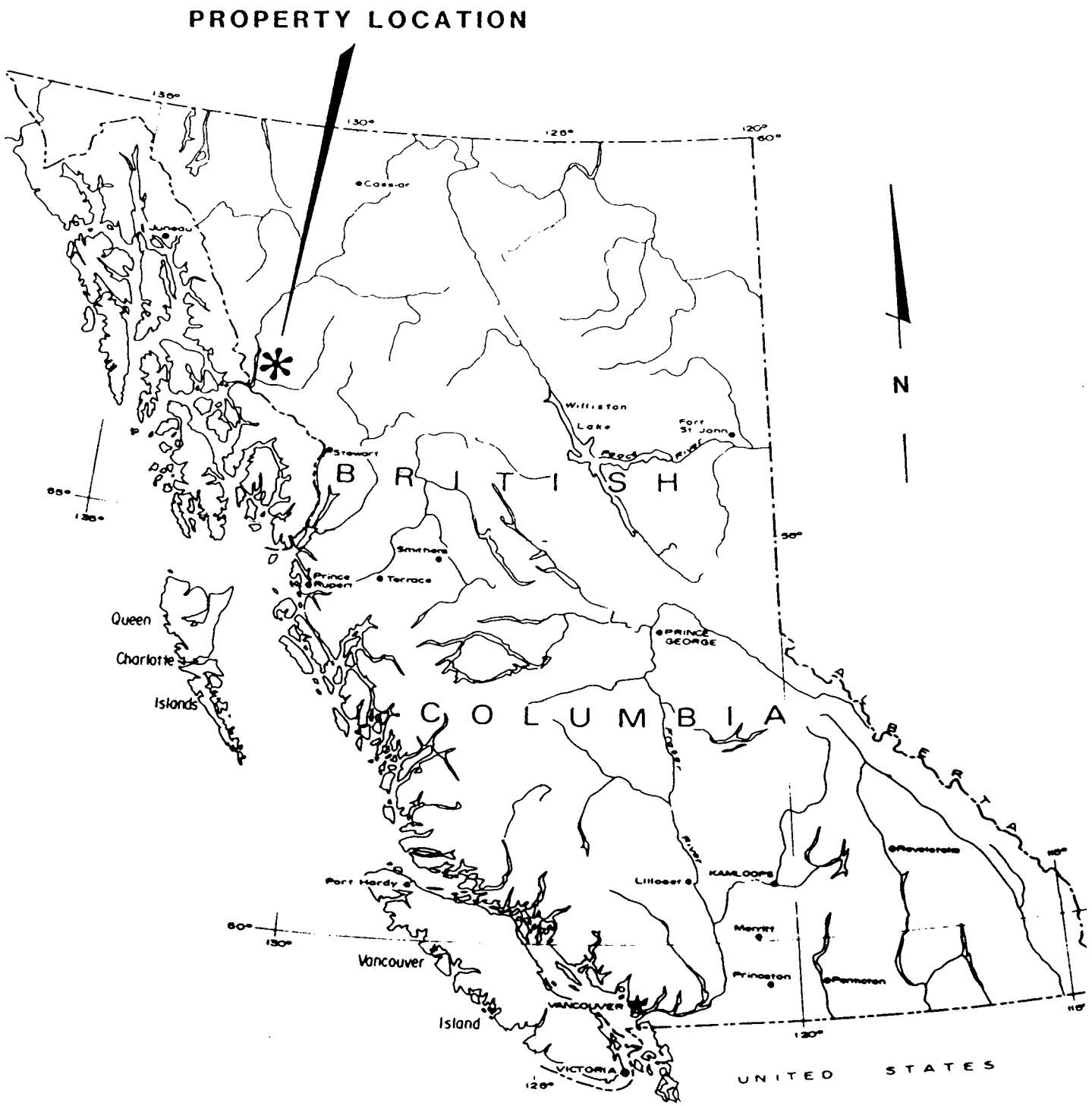
INTRODUCTION

The **SUGAR** claim group includes the four 20 unit claims; **SUGAR 1 (4824), SUGAR 2 (4825), SUGAR 3 (4826)** and **SUGAR 4 (4827).** They were staked on July 8, 1988 by a contractor for Lacana Ex. (1981) Inc., a subsidiary of Corona Corporation. They are located 20 km NNE of the Stikine Iskut Rivers confluence. Geologically they are situated at the contact of the Coast Plutonic Complex and the Intermontane Belt. Access is by helicopter from the Bronson Creek airstrip 60 km to the east, which can be reached from Smithers via scheduled flight. Access to the claims for future exploitation could be obtained by barging up the Stikine River and preparing a road up Darsmith Creek a distance of 7 km.

The claims host rocks of both the Stikine and Stuhini groups that have been intruded by Mesozoic granitic rocks of the Coast Plutonic Complex. Within both the Paleozoic and Mesozoic volcanics and sediments intrusions have produced mineralized zones.

Silicification in the form of quartz veins and stock work zones returned anomalous Au, Ag, Cu, Pb and Zn values. At the contact of the Permian limestone and Triassic volcanics a Cu, Fe skarn with potential precious metal zones was discovered.

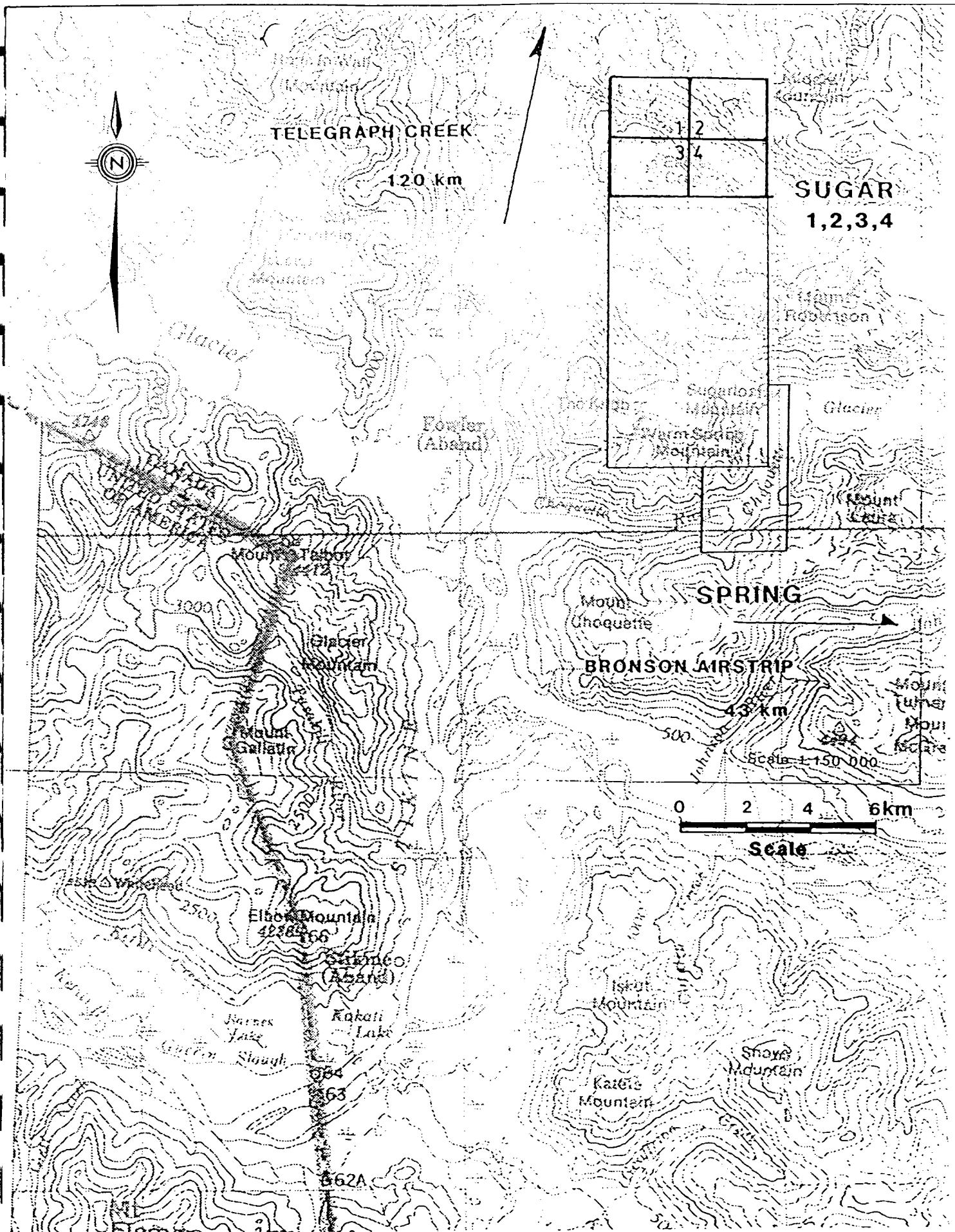
A major prospecting program was undertaken during August of 1988. This program was based on the Scud airstrip at the confluence of the Scud and Stikine Rivers. Of the work performed, 10 full or partial traverses totalling 7.75 mandays and 69 samples were collected during the prospecting effort. The cost of this exploration amounted to **$11,125.00** Canadian dollars. A regional government stream geochemical survey released in June of 1988 returned an anomalous result in Cu on Darsmith Creek.



CORONA CORPORATION

SUGAR PROPERTY
LOCATION MAP

DATE: Jul./1989	SCALE:	DRAWING No. Fig.1



CORONA CORPORATION

SUGAR PROPERTY

CLAIM LOCATION MAP

DATE: Jul./1989 | SCALE: 1:150,000 | DRAWING No. Fig.2

REGIONAL GEOLOGY

The claim area lies on the western margin of the Intermontane Belt at its contact with the Coast Plutonic Complex. Paleozoic sediments and Mesozoic sediments and volcanics are cut by intrusive bodies of the main Coast Belt and the satellite Hickman and Yeheniko plutons. General tectonic fabric of the region trends north-northwesterly.

The oldest rocks exposed in the area are Lower Paleozoic clastics including impure quartzites and limestones, overlain by crystalline schists and gneisses. A thick impure limestone unit caps the Paleozoic oceanic sequence.

The lower contact of Mesozoic units is described by F.A. Kerr, G.S.C. Memoir 246 and J.G. Souther, G.S.C. Paper 71-44, as gradational and in places unconformable. Triassic rocks consist of a thick sedimentary sequence overlain by an island arc volcanic assemblage which is in turn capped by volcanic derived sediments.

The Jurassic layered sequence consists largely of a thick, near shore sedimantary package and later volcanic (island arc?) rocks. Extensive intrusive activity during this period resulted in the emplacement of the multi phased 'Coast Complex' and related satellite plutons. Alkaline and calc-alkaline members of this suite are directly associated with most of the numerous mineral occurences in the area. Cretaceous rocks consist mainly of marine sediments with a thin basaltic to rhyolitic component.

Cenozoic stratigraphy includes mafic and felsic aerial volcanic units. These rocks are a major component of glacial and fluvial deposits throughout the area. Several active hot springs attest to ongoing geologic activity throughout the general Iskut-Stikine region.

Most of the region has been subjected to Quarternary glaciation, resulting in rugged alpine terrain.

Study of aeromagnetic data published at a scale of 1:250,000 suggests that regional lows may reflect areas of thick ice cover.

PROPERTY GEOLOGY

The **SUGAR 1-4** claim group encompasses Paleozoic and Mesozoic metamorphosed, volcanic and sedimentary rocks all intruded by Mesozoic granodiorite. The general strike of the lithology is NW-SE.

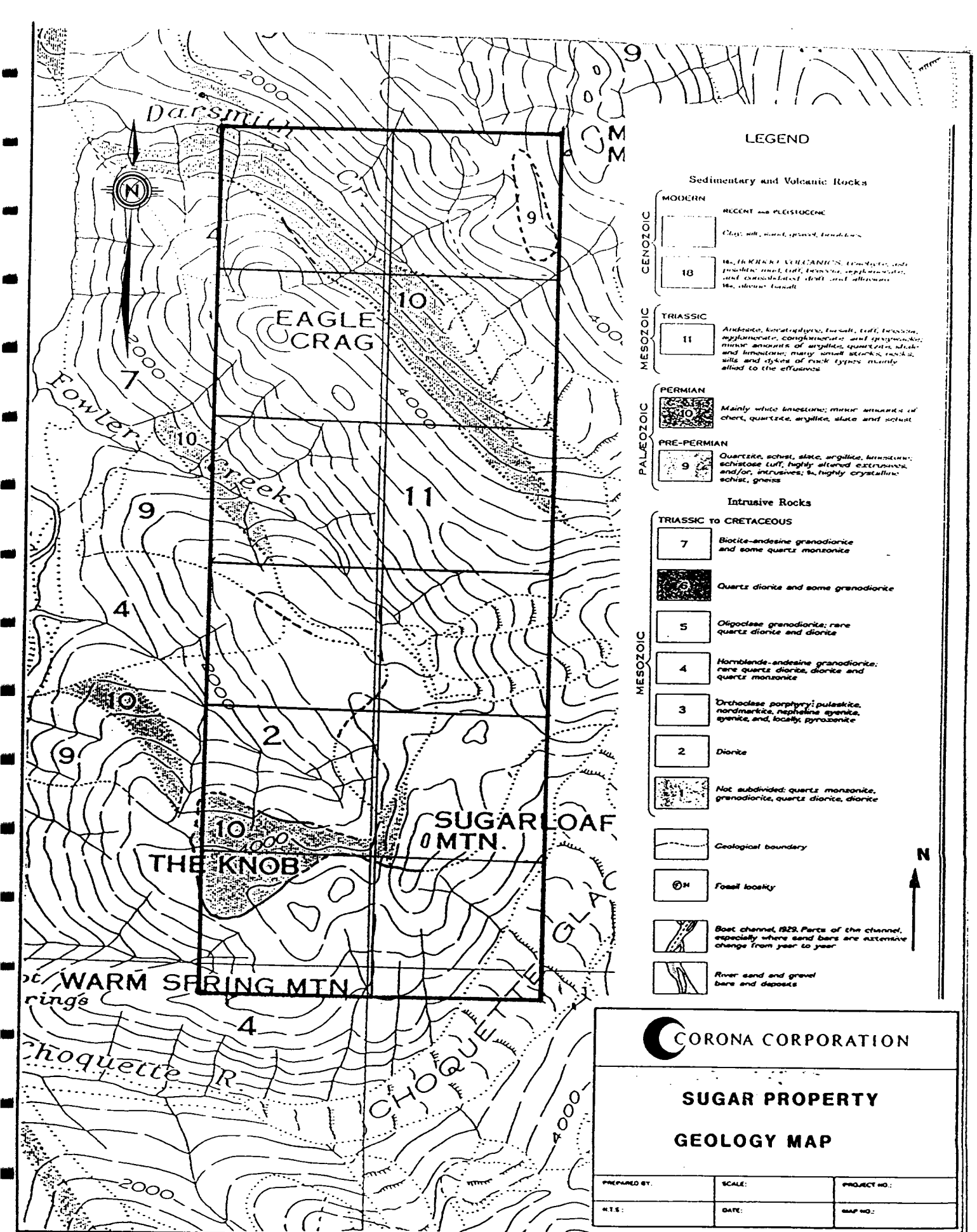
The Mesozoic rocks correlate with the Stuhini Group and the Paleozoic sequence with the Stikine assemblage. The Stuhini Group is composed of a basal maroon and green epiclastic unit overlain by andesite flows, tuffs and volcanic breccia with minor augite phyric basalt sills and/or flows. The sediments that overlie are polymictic conglomerates of augite basalt, volcanics and limestone clasts. The Stikine assemblage as mapped north of the claim area at the Scud glacier, (B.C. MEMPR Open File 1989-7), is divided into Permian and Pre-Permian periods. The basal unit of the Pre-Permian rocks are recrystallized limestones overlain by a schist unit that in turn is covered by a mafic volcanic facies then a sedimentary siliceous mixed siltstone and rhyolitic volcanic unit. The Permian period starts with a distinctive rusty argillite covered by a limestone unit which is overlain by a mixed sediment and volcanic package and capped with another limestone unit.

The Eagles Crag Mount Robertson Ridge forms the core of the synclinal structure with a variety of Triassic basaltic to rhyolitic volcanics and minor sediments. To the NE an older Permian sediment unit composed mainly of white limestone and minor

amounts of argillites and schists overlies Pre-Permian sediments and highly crystalline schists and gneisses.

Bordering the western fringe of the claim group are two varieties of intrusives. Both are of granodiorite composition, one having biotite as its major mafic constituent the other hornblende. These Mesozoic intrusives are part of the Coast Crystalline Complex. They have intruded on the west as batholiths and within the claim group as stocks, sills and dykes.

On a regional scale across the claim area the rock units are folded with the axial planes being NW-SE. Starting from the NE at Middle Mountain an anticline, syncline, anticline system finishing at the Stikine River is evident. The plunge on the fold system is moderate to shallow in a SE direction.



CORONA CORPORATION

SUGAR PROPERTY

GEOLOGY MAP

PREPARED BY:	SCALE:	PROJECT NO.:
N.T.S.:	DATE:	MAP NO.:

CORONA CORPORATION

Scale 0 1.8 2.5km

DATE: Oct.89	SCALE: 1:70,000	DRAWING No. Fig.3

PROSPECTING TRAVERSES

The following traverses are grouped according to the individuals who performed the work with the traverse numbers correlating to traverses marked on the compilation map.

Paul Huel - Contract Prospector - Resident of Hazelton, B.C. with over 10 years of mineral exploration experience.

(2) - August 16, 1988

SUGAR 3, 4, 6 - 9 Rock Samples,# 1749-1757

This traverse was along the ridge towards the Eagles Crag. It commenced below an ice field on the ridge. The geology was mainly volcanic andesites and rhyolites. Included in these volcanics were hornsfel sediments. The baking of the sediments was from granodiorite plugs and dykes that are abundant. Quartz veins found in the andesites ranged in width from 10-75 cm and pyrite, chalcopyrite and hematite was common.

(22) - August 22, 1988

SUGAR 3, 4, 6 - 9 Rock Samples, #1800, 20701-20708

This traverse was along a bench on the south slope of Darsmith Creek. The traverse began in a mixed argillite limestone sedimentary package. Plugs of feldspar porphyry intrusive that are epidote and chlorite altered were sampled. Talus rocks with chalcopyrite mineralization were prospected. These samples were of a skarn nature.

Bruce Holden - Contract Prospector - Resident of Hazelton, B.C. with over 10 years experience in mineral exploration.

(3) - August 16, 1988

SUGAR 3, 4, 6 - 15 Rock Samples, #1646-1659

This traverse was along the ridge towards the Eagles Crag. The geology at the start was mixed intrusives, andesites and hornsfel sediments. The fine grained green andesite unit predominates and has substockwork quartz vein zones. Selected veins have pyrite and chalcopyrite mineralization. To the north the geology changes from volcanics into hornsfels and argillites. These sediments are intruded by diorite plugs and dykes.

(23) - August 22, 1988

SUGAR 3, 4, 6 - 10 Rock Samples #20606-20615

This traverse was along a bench on the south slope of Darsmith Creek. The traverse began in a mixed argillite limestone sedimentary package. Plugs of felspar porphyry intrusive that are epidote and chlorite altered were sampled. Talus rocks with chalcopyrite, pyrrhotite and pyrite mineralization were prospected. One talus sample contained up to 9% sphalerite. These samples were of a skarn nature.

(24) - August 24, 1988

SUGAR 1, 3, 6, 8 - 10 Rock Samples, #20616-20625

This day was broken up into 2 parts. The first was in a saddle down from Mount Robertson. The geology here is andesites in contact with the Coast Plutonic granodiorite. Siliceous fractures and quartz veins within the andesite unit were sampled. The second half of the day was spent on the northwest side of the Eagles Crag. The rocks here are andesite volcanics with the Coast Plutonic granodiorite further to the west.

Rob Klassen - Geologist - Employee of Corona Corporation with 2 years full time mineral exploration experience.

(11) - August 19, 1988

SUGAR 4 - 12 Rock Samples, #1988-1999

This traverse was completed down the south side of the glacier that forms the headwaters of Darsmith Creek. The geology is composed of Permian limestones and Pre-Permian metamorphic rocks. The east portion of the traverse was in banded siliceous metavolcanic rocks. A north-south structure has a granodiorite plug within it. This plug is also the division between the metavolcanics and metasediments. The sediments complete the western section of the traverse. Both the metavolcanics and metasediments strike NE-SW and have vertical dips.

(17) - August 20, 1988

SUGAR 2 - 10 Rock Samples, #2000, 1251-1259

This traverse was on the south slope of Middle Mountain above Darsmith Creek. The geology is that of mafic metavolcanics. These volcanics are rusty, have varying amounts of pyrite and quartz veins within them. As with the stragigraphy on the south side of Darsmith Creek the strike of the rocks is NE-SW with vertical dips.

Karen Sobey - Contract Prospector - Graduate of the BCDM prospecting course, resident of Smithers, B.C.

(12) - August 19, 1988

SUGAR 2, 4 - 7 Rock Samples # 1868-1872, 1875, 1876
3 Silt Samples, #1873, 1874, 1877

This traverse was along the north side of the glacier that flows into Darsmith Creek. The rocks prospected along the cliff are Pre-Permian metamorphic volcanic rocks. They are banded and are cut by north-south structures. At these structures rusty zones

were sampled. Silt samples were collected from creeks flowing off of the cliff side.

(18) - August 20, 1988

SUGAR 2 - 5 Rock Samples #1878-1882

This traverse was over the plateau to the west of Middle Mountain. The geology is that of Permian mafic metavolcanic rocks. These rocks are cut by numerous felsic aplite and diorite dykes.

(21) - August 21, 1988

SUGAR 1 - 2 Rock Samples #1883, 1884

This was an alternate traverse due to the presence of a grizzly bear and her two cubs on the proposed **SUGAR 4** ground. The traverse was completed on the west side of the Eagles Crag. The rock was andesite volcanic and then changed into the massive homogeneous granodiorite.

GEOCHEMISTRY

The 69 samples collected during this phase of work were submitted to Min - En Labs of Vancouver for geochemical analysis. Analytical techniques are described in Appendix A, sample descriptions in Appendix B and results in Appendix C.

STATEMENT OF COSTS

SUGAR 1, 2, 3, 4 - PROSPECTING

Prospecting 7.75 man days @ $250/man day	$ 1,940.00
Samples (including shipping) 69 @ $25/sample	1,725.00
Food @ $30/man day	230.00
Supplies and Equipment	175.00
Contract Base Camp	1,505.00
Mob - De Mob (Aircraft Charter)	750.00
Helicopter Support 6.5 hours @ $625/hr	4,050.00
Report Preparation	750.00
TOTAL	$11,125.00

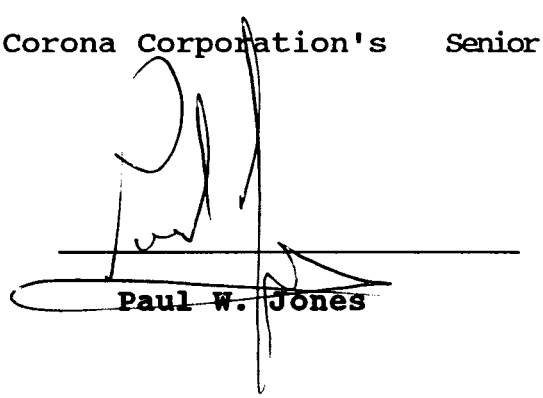
Dates: August 7 - 25, 1988

STATEMENT OF QUALIFICATIONS

I, **PAUL WILLIAM JONES** of the City if Vancouver, B.C. declare that:

1. I have been actively involved in the mining industry in Canada and the United States for 12 years.

2. I have personally directed and performed the work enclosed in this report under the supervision of Corona Corporation's Senior Geologist, **Darrel Johnson.**



Paul W. Jones

DATED THIS 11TH DAY OF Dec 1989

AT VICTORIA , BRITISH COLUMBIA.

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APPENDIX A - GEOCHEMICAL METHODS

PHONE 980-5814

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
Corner 15th Street and Bewicke
705 WEST 15th STREET
NORTH VANCOUVER, B.C.
CANADA

ANALYTICAL PROCEDURE REPORTS FOR ASSESSMENT WORK

PROCEDURE FOR GOLD GEOCHEMICAL ANALYSIS.

Geochemical samples for Gold processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

A suitable sample weight 5.0 or 10.0 grams are pre-treated with HNO_3 and $HClO_4$ mixture.

After pretreatments the samples are digested with Aqua Regia solution, and after digestion the samples are taken up with 25% HCl to suitable volume.

At this stage of the procedure copper, silver and zinc can be analysed from suitable aliquote by Atomic Absorption Spectrophotometric procedure.

Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-Butyl Ketone.

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 5 ppb.

MINERAL
• ENVIRONMENTS
LABORATORIES

ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK:

PROCEDURE FOR 31 ELEMENT TRACE ICP:

Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cu,
Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Sb,
Sr, Th, U, V, Zn, Ga, Sn, W, Cr

Samples are processed by Min-En Laboratories., at 705 West 15th Street, North Vancouver, employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by a jaw crusher and pulverized by ceramic plated pulverizer or ring mill pulverizer.

1.0 gram of the sample is digested for 4 hours with an aqua regia $HClO_4$ mixture.

After cooling samples are diluted to standard volume. The solutions are analysed by computer operated Jarrall Ash 9000 ICAP or Jobin Yvon 70 Type II Inductively Coupled Plasma Spectrometers. Reports are formatted and printed using a dot-matrix printer.

OFFICE AND LABORATORIES:
705 WEST FIFTEENTH STREET, NORTH VANCOUVER, B.C.
CANADA V7M 1T2

PHONE: (604) 980-5814 (604) 988-4524
TELEX: VIA USA 7601067
FAX: (604) 980-9621

APPENDIX B - SAMPLE DESCRIPTIONS

SUGAR A GROUP

Sample No.	Sample Type	Description
SUGAR 1		
20622	float	1m wide quartz vein with chalcopyrite
20623	grab	elev 3800' rusty epidote altered intrusive? with chalcopyrite
20624	grab	quartz stockwork zone
1883	grab	fault zone within volcanic rock
1884	grab	granite
SUGAR 2		
1878	grab	gossanous shear zone
1879	grab	andesite volcanic, slightly altered trace pyrite
1880	grab over 2.5	siliceous quartz flooded rock
1881	grab	fractured white siliceous quartz flooded felsic dyke 15m wide
1882	grab	shear zone, 12m wide, diorite dyke between limy andesite volcanic trace pyrrhotite
2000	grab	orange-brown weathered shale or fine grained mafic volcanic with 1mm wide quartz veinlets and disseminated pyrite
1251	grab	pink-tan-green weathered highly silicified contact zone between intrusive and mafic volcanic, 5mm wide quartz vienlets
1252	grab	brown weathered siliceous volcanic, banded grey, black with white brown layers, 1mm wide rusty quartz veins
1253	grab	dark brown-orange, green-dark grey fine grained mafic volcanic with disseminated pyrite and 1mm quartz veinlets
1254	grab	rusty quartz vein in mafic volcanic
1255	grab	rusty brown weathered altered felsic intrusive (granite?)
1256	grab	rusty brown weathered green to dark grey mafic volcanic with hornblende phenocrysts
1257	grab	rusty brown-orange weathered fine grained mafic dyke
1258	grab	rusty brown weathered very fine grained green to dark grey siliceous volcanic in contact with granite, 1-2mm quartz veinlets within volcanics

Sample No.	Sample Type	Description
SUGAR 2 cont..		
1259	grab	dark orange-brown weathered siliceous medium grained dark green volcanic with blebs pyrite up to 3mm
1873	silt	from smaller creek flowing into large creek
1874	silt	from creek on north side of cliffs
1875	grab	gneissic rock with trace disseminated pyrite
1876	float	siliceous red-green volcanic with pyrite from shear zone in cliffs, 25m wide
1877	silt	small creek
SUGAR 3		
20625	grab	elev 3450' back side of Eagles Crag, volcanic rock
1655a	grab	pyritic andesite with quartz stringers
1655b	float	yellow gossan
1656	grab	quartz vein on contact between diorite and siliceous argillic altered sediment
1657	grab	large quartz crystals in quartz epidote veins with chalcopyrite and pyrite
1658	grab	quartz epidote stringers in diorite
1659	grab	wide zone hornsfeld volcanics
20613	grab	granite volcanic contact with pyrrhotite and chalcopyrite
20614	float	large pyrrhotite chalcopyrite boulders
20615	float	hematite, chalcopyrite and pyrite boulders
20707	float	very heavy chalcopyrite, magnetite pyrrhotite in skarn from cliffs
20708	float	chalcopyrite, pyrrhotite in skarn from above cliffs
1753	grab	bull quartz vein with trace hematite within granodiorite
1754	grab	rusty pyritic sediments
1755	grab	magnetic breccia within chyolitic dyke
1756	float	pyritic granite, talus
1757	float	rusty pyritic granite, talus

Sample No.	Sample Type	Description
SUGAR 4		
1752	grab	hornfel sediment with quartz zones and pyrite, chalcopyrite and fine grey mineral (arsenopyrite?)
20608	grab	siliceous limey contact zone rock unit (F)
20609	grab	weathered chlorite altered amphibolite
20610	grab	gossaneous rock unit (F)
20611	grab	multi directional blebs and veins of pyrite
20612	grab	multi directional blebs and veins of pyrite
20703	float	edipote, chlorite altered intrusive with chalcopyrite seams, talus
20704	float	hornfels rock with pyrite and pyrrhotite
20705	float	rusty pyritic rock with grey mineral within quartz
20706	grab	skarn within volcanic and calcareous rocks, magnetite, pyrite and chalcopyrite
1868	grab	siliceous rock, ankerite with chlorite and epidote alteration
1869	grab	foliated andesite volcanic, chlorite schist with pyrite along fractures
1870	grab	quartz flooded andesite volcanic with chlorite alteration and disseminated and blebs pyrite along fracture
1871	grab	calcite chlorite shear zone within andesite volcanic, some epidote
1872	grab	contact between highly siliceous epidote altered volcanic next to chlorite altered volcanic
1988	grab	brown-green crumbly weathered shear zone within green siliceous volcanic, quartz veinlets and pyrite, chalcopyrite veinlets
1989	grab	Fe-stained contact zone of mafic volcanic dyke and siliceous green volcanic country rock, secondary quartz veinlets
1990	grab	Fe-stained weathered surface, contact of mafic fine grained black dyke and siliceous green volcanic, 1cm secondary quartz veins

Sample No.	Sample Type	Description
SUGAR 4 cont..		
1991	grab	rusty quartz vein within siliceous green volcanic, blebs pyrite chalcopyrite
1992	grab	opaque ball quartz veins within siliceous green volcanics, vein is dark grey to brown rusty weathered surface, pyrite, chalcopyrite
1993	grab	dark orange to brown weathered shale (or sheared mafic volcanic) very fine grained with pyrite and chalcopyrite veinlets, quartz carbonate veinlets
1994	grab	dark orange brown weathered mafic volcanic (or shale), very fine grained with pyrite and chalcopyrite veinlets with quartz and carbonate veinlets
1995	grab	tan beige green weathered dark quartzite or siliceous volcanic, disseminated and cubic pyrite, disseminated chalcopyrite, rock splits in rhomehedral shape
1996	grab	light grey quartzite with disseminated pyrite and chalcopyrite
1997	grab	rusty brown to orange weathered dark grey to black phyllic shale with disseminated pyrite and quartz carbonate veinlets
1998	grab	orange to brown weathered black fine grained mafic volcanic with disseminated pyrite, chalcopyrite and arsenopyrite
1999	grab	tan colored weathered slightly schistose siliceous dark grey volcanic with epidote

APPENDIX C - ANALYTICAL RESULTS

CORONA CORP.
(SALT RIVER RESULTS AUG. 1988

(VALUES IN PPM)

NEW-EN LABS ICP REPORT
705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

PAGE 1

SUGAR 1

#	Ag	Al	AS	B	BA	BE	BI	CA	CD	CO	CU	FE	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V	ZN	GA	SN	W	ZR	AU-PPB
1005	0.3	1516	1	1	10	1.3	4	122722	2.4	26	5	32357	1479	37	58468	736	5	449	94	217	11	1	7	1	1	38.6	21	1	1	1	82	5
1006	0.4	609	37	1	1	0.5	6	241017	4.8	15	25	2211	1175	38	4758	105	8	410	18	351	23	10	6	1	1	12.4	12	4	1	3	40	5
20622	3.4	6981	34	1	10	0.9	11	14943	4.1	22	765	15756	1347	42	7486	309	9	524	20	303	24	2	12	1	1	53.5	33	7	2	5	170	10
20623	4	3624	36	1	10	0.7	19	7685	4	41	152	23715	1297	42	3500	90	10	927	23	1109	25	7	13	1	1	84.9	16	3	3	4	82	15
20624	5.8	604	58	1	2	0.5	15	527	4.2	17	320	10329	1212	43	2058	21	10	498	16	176	32	11	10	1	1	21.7	17	3	1	8	134	5

SUGAR 2

#	Ag	Al	AS	B	BA	BE	BI	CA	CD	CO	CU	FE	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V	ZN	GA	SN	W	ZR	AU-PPB
1251	2.5	21249	17	1	2065	1.3	13	13928	3	24	10	24590	1702	43	10286	730	8	624	18	1156	14	3	51	1	1	55	53	2	3	3	92	5
1252	3.4	8464	36	1	98	0.7	15	3255	3.9	20	53	18281	2023	45	4110	202	12	977	14	624	19	10	12	1	1	40.9	25	3	3	7	101	5
1253	3.4	5060	35	1	76	0.9	12	5613	3.1	19	80	22305	1531	44	2849	249	9	1068	15	1015	20	10	11	1	1	28.1	23	3	2	6	114	345
1254	3.6	3982	41	2	10	0.8	15	1741	2.7	18	83	36830	1207	46	2009	125	13	1359	8	418	24	11	14	1	1	32.8	15	3	3	10	174	10
1255	3.6	7490	51	1	37	0.9	18	2571	3.3	18	58	16710	1829	45	3593	156	10	1065	15	374	19	13	15	1	1	27.5	21	4	2	9	139	5
1256	2.7	19157	22	1	9	1.2	14	10665	2.1	22	119	48317	1186	42	4905	842	9	662	7	1003	13	2	30	1	1	22.8	41	2	3	5	105	5
1257	3	18681	27	1	45	1.4	19	12592	2.6	31	146	39903	1639	46	11626	531	8	1313	8	2117	13	1	24	1	1	112.4	36	2	5	1	74	5
1258	3.6	4193	46	1	31	0.6	13	2987	3.6	18	36	12248	1239	44	3537	231	10	713	22	312	20	12	14	1	1	30.1	19	4	2	10	162	5
1259	3.9	3076	50	1	16	0.8	14	2340	3.5	17	94	19948	1280	44	1996	174	10	1246	13	291	20	13	13	1	1	18.7	16	4	2	10	148	10
1673	0.9	16742	9	1	49	0.8	12	5626	3.2	28	72	40436	1425	50	13585	635	8	547	26	1733	11	1	18	1	1	90.2	63	3	2	1	59	5
1674	0.9	25058	7	2	94	1.1	16	10108	2.3	38	98	45759	2396	52	17580	634	8	727	45	1612	11	1	32	1	1	113.5	61	1	4	2	87	5
1675	2.3	15662	26	1	42	1.1	11	7196	4.6	23	116	25408	1482	45	13294	663	9	807	15	929	20	2	22	1	1	51	68	3	3	4	95	5
1676	2.6	11683	27	1	156	1.2	12	3567	4.3	22	203	24800	3607	47	8232	481	10	1291	16	647	17	3	14	1	1	59.2	61	3	4	4	95	5
1677	0.7	24455	7	1	85	1.1	11	6515	2	36	100	42635	1947	50	15732	758	9	599	38	1358	12	1	35	1	1	92.7	116	1	2	1	67	15
1678	3.1	6730	36	1	67	1.1	11	4974	3.9	20	53	18945	1995	45	5301	222	10	1006	18	1300	20	8	33	1	1	44.4	29	3	3	4	97	5
1879	2.6	17537	27	1	40	1	16	9919	3.3	31	119	24683	1742	45	7982	297	10	1816	30	818	14	4	24	1	1	83.6	31	3	5	4	89	5
1880	2.3	17704	25	1	29	1	13	8425	3.2	27	56	22634	1419	45	10848	483	11	1863	33	605	19	4	20	1	1	70.4	55	3	4	3	91	5
1881	3.6	8016	43	1	15	0.8	14	12136	3.3	22	44	12603	1302	44	5490	398	10	798	20	1126	20	10	24	1	1	38.9	78	4	3	3	83	5
1882	1.7	18155	1	1	43	1	11	10675	6.5	31	76	32516	1899	44	10904	807	9	1272	20	821	16	1	26	1	1	76.4	791	1	3	2	92	5
2000	2.4	13536	26	1	26	1	13	11748	3.5	26	46	20256	1452	42	6477	504	10	892	21	1248	25	2	32	1	1	54.7	105	3	3	5	132	10

SUGAR 3

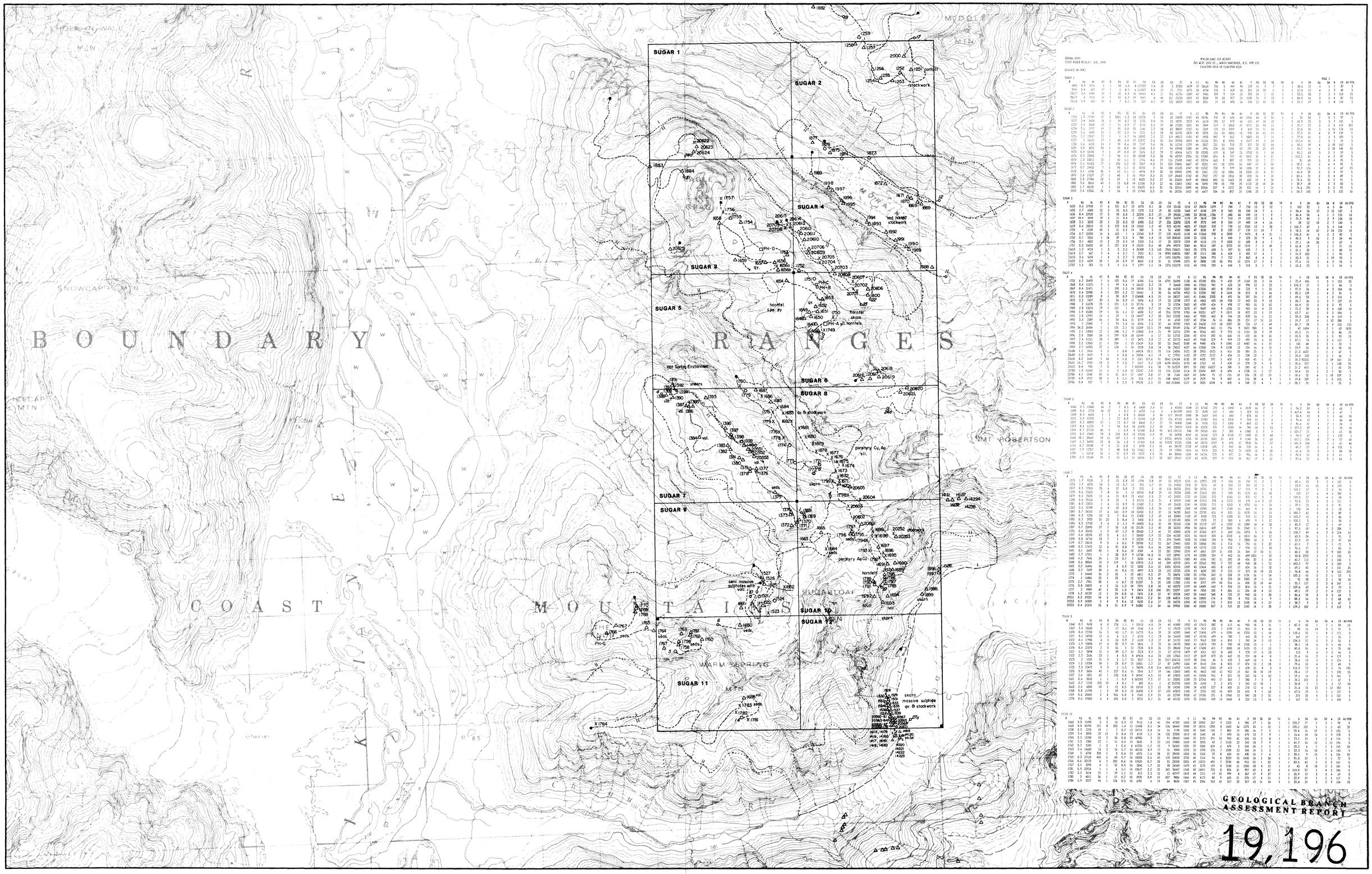
#	Ag	Al	AS	B	BA	BE	BI	CA	CD	CO	CU	FE	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V	ZN	GA	SN	W	ZR	AU-PPB
1655	0.6	27920	17	6	151	0.7	13	4970	0.1	38	159	55150	1210	47	20070	1299	7	780	7	750	15	2	12	1	1	102	92	1	4	3	84	5
1656	2.7	6300	22	2	55	0.5	12	1570	3.2	19	82	16530	1468	47	6140	239	8	560	20	240	14	7	6	1	1	24.4	26	17	2	12	107	5
1656	0.4	22920	17	5	18	0.8	2	32570	0.2	27	29	29650	1380	53	20100	1204	7	480	40	490	12	1	2	1	1	44.4	58	6	1	1	135	10
1657	10.4	5040	10	2	11	0.4	1	2050	4.6	10	4557	26570	1170	39	5610	230	7	510	19	220	15	1	6	1	1	21.5	84	1	2	9	134	20
1658	3.1	5610	20	1	25	0.5	13	6480	3.2	19	256	23090	1570	49	3970	140	8	560	19	480	14	4	16	1	1	34	12	10	2	7	140	5
1659	0.6	20510	15	5	193	0.8	13	12500	1.2	42	223	42190	4820	47	13620	520	7	730	12	1560	12	1	28	1	1	104.7	37	1	5	1	144	5
1753	4	2100	43	1	31	0.3	14	580	3	14	54	4500	1000	49	3030	87	8	530	17	130	11	10	7	1	3	18.3	14	27	2	14	153	10
1754	0.7	32850	14	6	165	1	6	13240	0.9	27	135	45410	4150	44	11060	598	6	3080	7	1470	8	4	21	1	1	126.5	41	3	2	2	82	5
1755	0.7	5500	1	10	39	3.3	8	900	1.4	13	169	304560	2100	33	1250	4	8	460	2	520	35	9	4	11	1	40.5	9	10	1	2	54	40
1756	3.1	4800	13	2	23	0.5	14	1550	3.6	17	35	23070	1290	48	4110	115	9	1000	11	680	8	6	7	4	1	27.1	14	20	1	1	67	5
1757	0.3	26820	10	5	127	0.8	8	15510	0.6	48	694	49370	3340	46	8210	189	6	3720	10	1310	7	1	49	2	1	61.8	19	1	1	1	71	10
20413	1.2	4924	1	3	3	2.2	4	24300	1.5	160	2065	150421	1042	35	1775	630	5	397	31	435	7	2	3	1	1	21.1	32	1	1	1	80	10
20614	2.7	647	3	4	4	2.1	2	2523	0.1	14	8985	148536	1007	30	2111	208	6	424	3	485	17	4	7	1	1	14.9	103	1	1	1	96	5
20615	3.6	5694	1	4	5	2.7	5	19383	1	17	1691	134396	1651	37	5604	995	7	732	3	862	8	4	3	1	1	33.9	51	1	1	19	93	5
20625	3.5	4429	30	1	24	0.9	17	8065	2.8	31	31	37490	1271	42	3008	130	10	996	10	1276	17	5	8	1	1	77.6	12	3	4	2	78	5
20707	1.6	383	16	3	4	1.6	9	1299	1.1	14	1576	131270	1151	48	1945	200	6	434	5	318	8	1	7	1	1	15.3	23	1	1	1	94	5

SUGAR 4

#	Ag	Al	AS	B	BA	BE	BI	CA	CD	CO	CU	FE	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V	ZN	GA	SN	W	ZR	AU-PPB
1752	6.2	20490	1	6	105	0.6	19	6340	2.6	54	4791	56390	1130	46	15100	826	9	650	19	1160	20	2	14	1	1	72.4	106	1	3	1	102	25
1868	0.4	16375	5	1	49	1.6	6	26432	3.7	23	7	36468	1900	46	15962	941	9	625	18	990	12	1	22	1	1	110.3	57	2	2	1	86	5
1869	0.4	31471	3	1	190	1.3	14	10910	2.2	30	68	41053	5332	48	13336	602	8	1914	24	725	9	1	31	1	1	97.9	56	2	4	3	104	10
1870	0.4	30980	8	1	200	1.2	12	10441	2	30	56	40754	4952	51	12350	582	8	1604	18	815	8	1	46	1	1	85.1	139	1	4	2	81	5
1871	0.3	13289	8	1	30	0.9	2	124888	4.3	21	14	28327	1691	41	11406	2320	8	492	36	587	24	1	87	1	1	49.6	53	1	1	2	114	5
1872	2.2	7427	30	1	56	0.9	11	5696	4.2	17	22	13700	1977	45	4342	435	10	950	17	442	22	9	13	1	1	26.7	36	3	3	7	127	10
1908	2	14378	25	1	171	1.3	11	37176	3	19	25	17234	2452	43	4789	424	9	498	17	983	16	5	42	1	1	44.4	22	3	3	3	92	5
1909	2.8	13674	29	1	121	1	14	6020	3.7	32	141	27159	3370	47	9609	434	9	1236	21	965	16	4	22	1	1	71.2	59	3	3	4	100	10
1990	1.9	15200	19	1	36	1.1	12	6000	3.2	40	214	35750	1783	44	10251	627	9	1015	18	872	13	1	19	1	1	63.7	61	2	3	3	104	5
1991	2.8	12992	24	1	25	1	13	14477	4.7	30	363	22232	1440	42	9205	462	8	744	20	828	16	1	21	1	1	59.3	250	2	4	4	119	5
1992	3.3	2389	44	1	54	0.6	11	3779	4.2	19	41	6743	1537	43	3734	76	11	886	20	231	17	11	13	1	1	19.7	17	4	1	12	200	5
1993	1	25482	7	1	93	1.4	14	8486	2.5	32	64	35932	1965	45	14432	713	10	1787	33	726	17	1	49	1	1	81.7	78	2	3	4	126	115
1994	34.5	26404	1	1	131	2.1	13	12249	13.3	29	4468	59149	2136	47	20940	461	11	756	9	3421	980	1	18	1	1	42	1694	1	2	1	63	1630
1995	2.1	13083	22	1	148	1.2	9	10043	3.4	21	99	26716	2293	46	8766	401	9	723	13	1131	33	3	19	1	1	45.5	71	3	1	3	86	25
1996	2.8	3500	38	1	399	0.8	10	10498	4	17	53	12723	2234	43	4710	202	11	668	15	432	24	8	45	1	1	20.5	35	3	1	5	93	10
1997	2.4	11261	30	1	309	1	13	3475	3.8	22	42	25725	4463	45	9340	329	9	949	22	495	15	6	15	1	1	47.1	74	3	3	6	111	5
1998	2.2	12063	21	1	254	1	15	13439	3.3	30	53	34642	5188	44	9498	426	9	1040	13	4483	14	1	10	1	1	101	48	3	3	1	78	5
1999	2.2	14955	27	1	124	1	14	3538	3.8	24	38	28322	4527	46	12858	534	9	1138	15	724	16	6	12	1	1	73.9	56	3	3	4	94	35
20608	1.1	2414	1	1	1	0.8	1	60824	35.1	70	114	24806	1125	38	2955	1023	6	416	20	384	25	1	3	1	1	21.5	6832	1	1	1	67	5
20609	0.3	1819	9	1	4	0.8	6	20854	4.1	19	12	27931	1123	39	2292	2122	9	454	11	238	22	1	1	1	1	20.4	118	2	2	1	66	5
20610	0.2	3440	1	14	5	1.0	3	1341	317.6	91	3043	124104	1135	39	4105	592	1	428	3	480	45	1	12	1	1	18.3	93323	1	1	19	141	25
20611	16.2	1563	10	2	9	1.5	7	1067	5.2	120	4499	104526	1193	40	2763	61	7	438	15	378	20	1	8	1	1	20.6	577	1	2	1	130	55
20612	0.4	934	7	5	2	2	2	103000	4.6	10	93	162529	1071	33	2382	16327	6	388	5	293	42	1	3	5	1	21.2	413	1	1	1	65	20
20703	1.3	16643	26	1	3	1.4	12	23242	2.8	33	194	55260	1114	39	10494	845	8	494	4	1238	15	1	27	1	1	58.4	53	2	2	1	83	5
20704	4.1	2540	55	1	31	0.5	12	1447	3.8	17	58	7164	1603	43	2494	91	12	726	18	296	20	12	13	1	1	18.6	20	4	1	10	159	5
20705	4.8	8512	58	1	5	1.1	26	516	4.7	15	108	48432	1129	41	2579	91	9	469	6	216	30	6	9	1	1	19.8	329	2	1	5	115	5
20706	0.4	557	5	7	4	2.3	5	19120	2.3	53	468	213064	1127	36	2035	6244	4	429	4	248	21	4	1	6	1	20.2	75	1	1	1	75	5

SUGAR 5

#	Ag	Al	AS	B	BA	BE	BI	CA	CD	CO	CU	FE	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V	ZN	GA	SN	W	ZR	AU-PPB
1388	0.5	13000	14	2	7	0.5	8	6430	2.4	16	6	41060	1160	35	12138	276	6	1290	6	1170	16	7	8	1	1	56.2	59	1	1	2	68	5
1389	0.6	2220	14	12	1	0.2	3	4250	1.4	5	4	241190	1010	32	2690	162	1	480	5	320	13	1	1	1	1	462.4	14	9	1	1	47	5
1390	0.3	6660	1	2	4	0.8	5	10300	3	34	117	39130	1940	34	5660	143	6	695	7	870	19	1	7	1	1	54.5	13	3	1	1	68	10
1391	0.5	12920	1	1	22	0.9	7	15190	2.8	22	156	42160	1810	36	11700	166	6	1330	9	760	11	1	6	1	1	91.4	17	1	1	1	66	40
1392	0.3	10890	12	1	23	0.7	14	6460	2.2	22	97	31402	1340	32	9730	125	7	1388	9	646	12	1	9	1	1	96.6	11	1	2	1	74	5
1393	0.4	15220	9	2	14	0.6	10	11470	2.7	26	29	28650	1360	34	15520	171	7	1590	14	740	14	1	10	1	1	117.3	19	4	2	1	78	10
1394	0.7	27110	46	9	1	0.9	4	52940	0.8	55	615	131210	940	37	24260	431	2	393	4	1360	5	1	9	5	1	175.7	21	1	1	1	45	30
1395	0.9	19490	29	3	210	0.9	13	17520	1.9	29	39	34930	4249	41	16540	523	8	2139	25	1490	15	3	40	1	1	94.3	62	1	2	1	133	5
1648	10.1	36640	17	11	147	1.5	9	12670	2	62	19731	89870	1750	51	31710	1601	21	470	5	1140	24	1	49	2	1	113.2	154	6	2	4	57	60
1649	1.3	34890	29	8	16	1.3	9	21310	3.6	43	15579	55230	1748	44	26170	1247	8	473	12	2610	26	1	27	1	1	161.9	246	7	4	2	65	40
1650	0.2	16160	9	5	21	0.8	5	1870	2.1	16	41	38170	1330	47	13456	675	7	542	10	270	14	1	6	1	1	48.7	57	1	2	4	133	5
1687	2.9	12287	31	1	49	0.8	16	12402	4.2	23	29	17836	1454	44	9366	293	9	842	26	1458	15	6	36	1	1	66.4	25	3	3	2	84	20
1779	1	16710	10	1	21	0.9	13	5577	3.5	35	44	36409	1370	49	14796	525	8	672	24	936	14	1	15	1	1	74.9	56	3	2	3	61	5
1780	2.5	15849	19	1	11	1.1	11	14396	3.7	33	692	29469	1859	43	9775	329	9	521	14	451	17	1	32	1	1	97.4	55	1	3	3	64	5



GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,196

ABBREVIATIONS

cpy. – chalcopyrite
py. – pyrite
qv. – quartz vein
seds. – sediments
sil. – silicified
volc. – volcanics

X Float Sample
△ Rock Sample
□ Representative Sample
○ Silt Sample
..... < 5% Outcrop
II ≥ 80% Outcrop

TRAVERSE
4 ○———● Start End

MAP SCALE
m 500 0 500 1000 1500

NTS _____

No	Date	MADE BY	DESCRIPTION
1			
2			
3			
4			
5			

REVISIONS

DATE	DRAWN BY	CHECKED	APPROVED
NOV. / 1988			

CORONA CORPORATION

OFFICE	DEPARTMENT

SUGAR PROPERTY
SUGAR 1,2,3,4,5,7,9,11
COMPILATION MAP

MAP INDEX NUMBER	SCALE	DRAWING NUMBER
	1: 25000	A

MACAL 4854