'80-#285-#8064

GEOCHEMICAL REPORT

On Behalf Of

COMPASS VENTURES LTD.

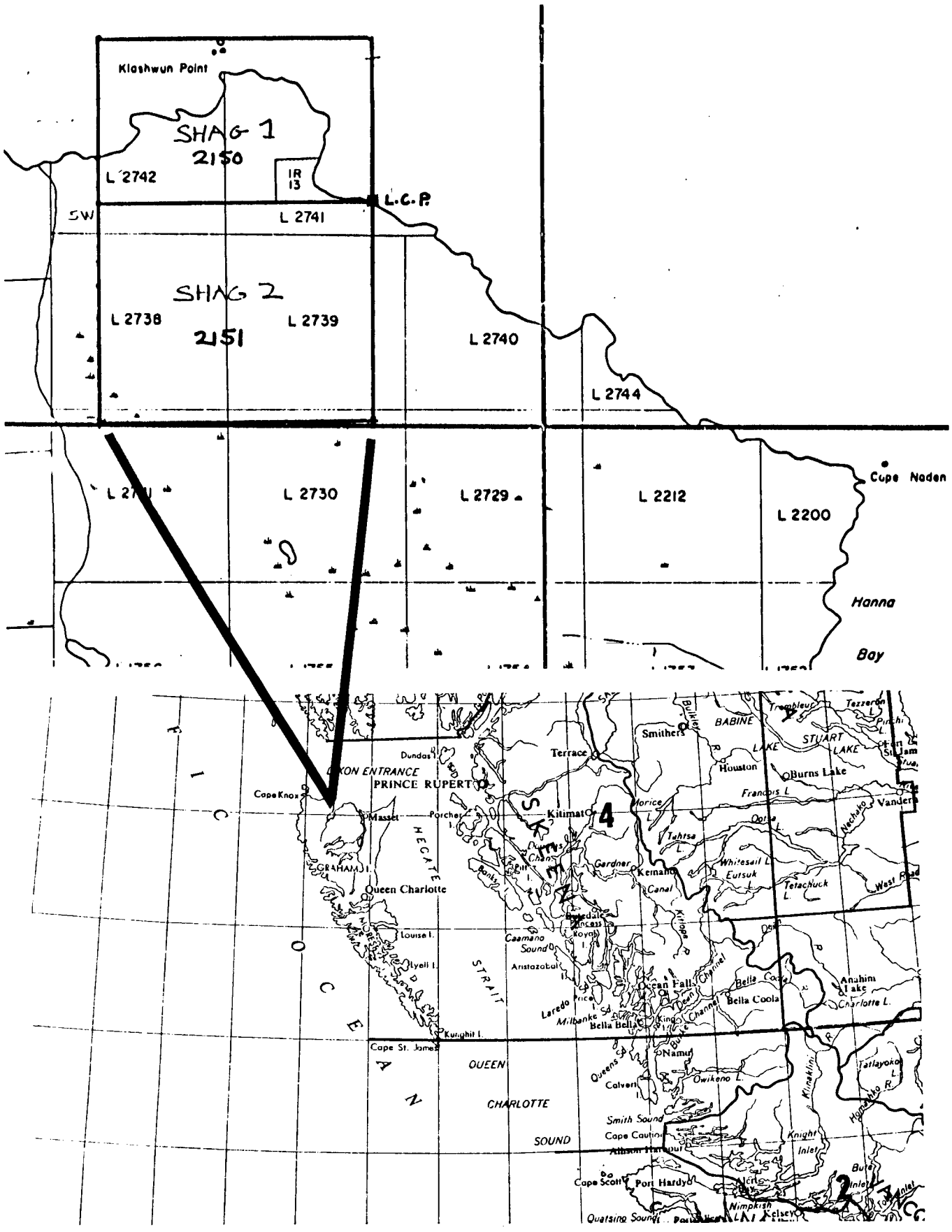
Shag 1 and 2 mineral claims, northern Graham Island, Skeena Mining Division, B. C.

Lat. 54°08'N Long. 132°40'W N.T.S. 103 K/2

AUTHOR: Glen E. White, B.Sc., P.Eng.

DATE OF WORK: February 24 - 28, 1980

DATE OF REPORT: May 1, 1980



COMPASS VENTURES LTD.

LOCATION AND CLAIMS MAP

—SHAG CLAIMS—

SKEENA MINING DIVISION – BRITISH COLUMBIA

Glen & Wells
geological consulting
services ltd.

FIG. 1

CONTENTS

Illustrations

INTRODUCTION

Manganese is considered to be a strategic element. This report describes a limited amount of geochemical soil sampling undertaken during the staking expedition. The purpose of the soil sampoing was to try and determine if the reportedly strong northeast - southwest manganese showing extended inland to the southwest.

PROPERTY

The property occurs on the northern tip of Graham Island and is com prised of the Shag 1 and 2 mineral claims record numbers 2150 and 2151 recorded on February 29, 1980. The two mineral claims form a contiguous block of 35 units.

LOCATION AND ACCESS

The Shag mineral claims cover Klashevun Point and Shag Rock on the northern tip of the Queen Charlotte Islands, Latitude 54°08'N, Longitude 132°40'W, N.T.S. 103 K/2, Skeena Mining Division.

Access is by way of boat or float plane from Masset; however, since the shore is rocky, with unfavourable wave action at the time of staking, a helicopter from Sandspit was used.

GENERAL GEOLOGY

The Shag Rock property is described in the 1960 Minister of Mines Report, P. 11, as follows:

QUEEN CHARLOTTE ISLANDS*

GRAHAM ISLAND

Manganese

Shag Rock (54° 132° S.W.) This property is 25 miles west of Masset on the east side of Klashwun Point near Shag Rock. It can be reached by sea or air, but landing may present difficulties in either case. The property is held by Joseph Pauloski, of Masset, by two claims located in 1955. The claims extend northward along the east side of the point from Indian Reservation No. 13, and extend 300 feet or more offshore.

Rock is exposed in the area only along the wide tidal zone, and the showings are on the shore. Basaltic lavas of the Masset formation here strike north to northeast and dip 15 to 20 degrees eastward. The lavas are cut by a north-trending fault, on the east of which the lavas are underlain by dark-grey shale and buff calcareous shale to sandstone of about 75 feet exposed thickness. The fault strikes north 15 degrees east, subparallel to the shore, and dips about 80 degrees eastward. It is filled with 5 to 15 feet of basalt breccia that is cemented by variable amounts of manganite. Fragments in the breccia are angular and as much as 2 feet across, although commonly the large fragments are only 6 to 8 inches across. Fragments range downward in size from these dimensions to a few millimetres; still smaller sizes were not seen. Veinlets of manganite also extend into the volcanic rocks of the west wall of the fault. The mineralization is primary and is Tertiary in age. It is probably related to the Masset volcanism.

The fault and the showings are exposed along the shore for about 550 feet from the beach near the Indian reservation northward to where the shore trends sharply to the west. The best showings appear to be in the northern third of the exposure. Large hand specimens may be taken that contain as much as 50 per cent manganese. At the northern end, where the breccia outcrops like a dyke, one of the higher-grade lenses, about 8 feet high by 50 feet long by 5 feet wide is estimated to contain between 30 and 40 per cent manganese.

The property was examined briefly in 1965 by Falconbridge Mines Ltd.. Mr. Mc Dougall kindly made available Plate 1 and the following comments from an internal report on the 1965 work.

LOCAL GEOLOGY

In the vicinity of the deposit the only rock types exposed are grey amygdaloidal basalts and thin bedded grey shales. These Tertiary rocks strike north to northeast and dip gently (5 - 20°) to the east.

Two structural features of importance are recognized. One of these, a strong 5 - 20 ft. wide breccia zone which trends about north 20° east and marks a contact between volcanics and shale. The second feature is a fairly sharp, gently northeasterly plunging fold in the shales and volcanics a couple hundred feet east of the most southerly exposure of the breccia zone.

A relation may or may not exist; limited time between tides and lack of outcrop on the boulder-strewn flat prevented mapping and correlation at this time.

The breccia zone, which would appear to mark a strong fault contact, consists of variable sized volcanic fragments of up to 2 or 3 feet in width, in a crushed groundmass of similar material. Black manganese oxide has erratically replaced the groundmass and this material constitutes the "ore". Differential weathering has resulted in a dyke-like appearance of the breccia zone. Examination on surface suggests a steep dip of from vertical to 70° easterly. In only one small section can the contact with hanging wall (?) shale be seen and here the dip appears to be 70°. Within the zone the manganese oxide may constitute up to 50 or 60% of the rock in patches up to 10 feet square or may occur as lone minute veinlets in widely spaced fractures in the lavas. No clearly defined fragments of shale are evident in the breccia, nor has any manganese been noted in the limited shale outcrops adjacent to the zone.

RESULTS OF 1965 WORK

With considerable difficulty because of outcrop and tidal conditions, two packsack diamond drill holes were laid out on the deposit. The first of these was about 200 feet north of the most southerly manganese outcrop and the second about 350 feet beyond the first. Both were collared in the footwall volcanics, this being the most advantageous location possible equating tide, drill capabilities, and object. The zone, for about 600 feet of relatively well exposed length, appeared steep so that footwall-collared holes were possible. Preliminary test holes collared in the deposit to help with test cuts showed that the breccia cored well.

#1 hole was collared about 60 feet west of the centre of a well exposed 20 - 25 foot width of manganiferous breccia and driven at -48° in a direction S72°E for a distance of 133 feet. The hole, (see section) assuming surface dip of about -75° to hold, should have encountered the breccia zone at about 90 feet and established an overall vertical depth of at least 80 to 90 feet. Although the hole was slow and difficult to drill, encountering numerous short open caves, the well defined breccia zone was not intersected nor was the expected hanging wall shale. Only minor amounts of manganese oxides were noted in widely spaced fractures in the lavas.

The second hole to the north was meant to be the first of two from that location. The first of these was purposely made steep to establish depth of at least the most westerly exposed portion of the zone while at the same time remaining in better drilling (more competent) rock. If failing, a second flatter hole was laid out which would intersect the breccia at shallow (50 - 50 foot) depths. The first hole (#2) was run on a S72°E bearing also with an inclination of -70°. It was abandoned after good drilling at 121 feet at which point the effect of salt water on supposedly "aluminum" drill rod made itself felt. Core recovery was almost 100% and there was no sign of oxide or rock change, according to the drillers, in the hole. Vertical surface attitudes should have allowed intersection of some oxide at least 10 feet before abandonment although still considerably short of the main "ore zone".

TEST PITS

Two sizable test pits were put in on the manganiferous breccia on section with the two drill holes. The first one measured 15' x 12' x 7' and the second 15' x 12' x 5'. As these were in areas where the breccia stood like a wall above the surrounding rubble, the cuts after a few months of coastal exposure will be hardly noticeable. Over 200 pounds of the freshest material was collected from each cut and sent for metallurgical testing. The grade of these was probably a percent or two above the average as some of the larger unmineralized breccia blocks were ignored; a more accurate grade was expected (at that time) to be obtained from at least 3 drill holes yet to be collared.

Prospecting along the proposed "depression continuation" area inland proved futile as overburden is too extensive to allow outcrop.

ASSAYS, RESERVES, SPECIFICATIONS AND DISCUSSIONS

#1 and #2 test pit bulk samples assayed respectively as follows:

% Mn	--	14.32, 20.30
% Total Iron	--	2.30, 1.97
% SiO_2	--	48.30, 38.25
% Al_2O_3	--	0.53, 0.30
% CaO	--	2.44, 2.55
% MgO	--	0.42, 0.95
% P	--	0.12, 0.14

Picked samples assaying over 50% manganese can be easily obtained. Elsewhere in the world, as described in the Economic Geology article referred to, "At most underground mines (in the U.S.) the product rarely contains more than 20 percent manganese, and it is necessary to sort or concentrate in mills to obtain a marketable product that contains more than 40% manganese." In some of the large surface mines (i.e. Luis Lopez where as much as 300 tons/day are occasionally mined) the ratio of concentration is 10 to 1. This would indicate a grade in the order of 4 or 5%. The writer feels that this is probably the average content of the Shag Rock deposit as mapped on the surface.

SURVEY GRID

The survey grid consisted of sampling the perimeter of the Shag 2 mineral claim at 100 m intervals as well as laying out a small grid to the southwest along the projected trend of the known showing. This small grid consisted of four lines spaced 200 m apart sampled at 50 m intervals. Some 15 km of soil sampling were undertaken.

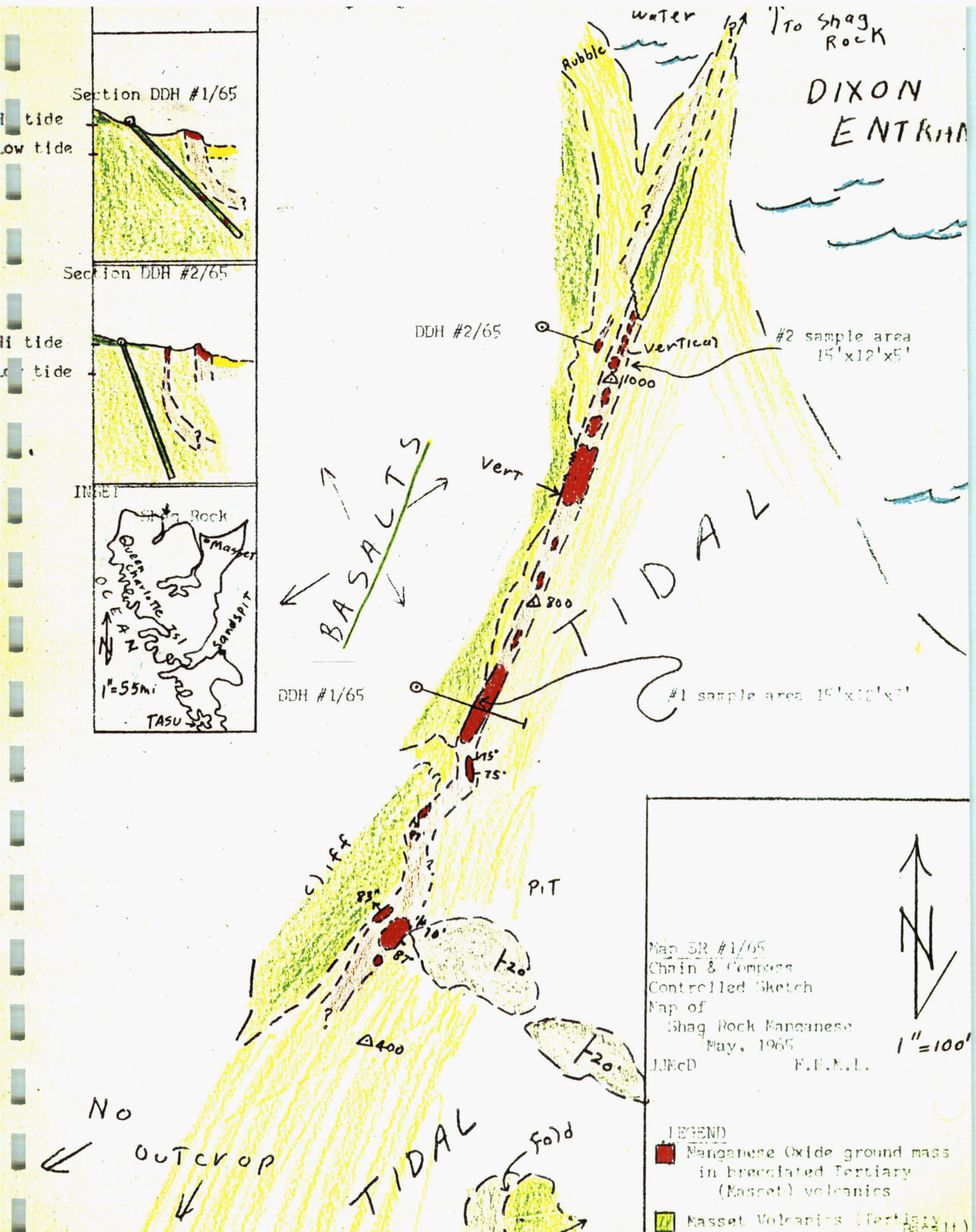

water
To Shag Rock
Rubble
DIXON
Section DDH #1/65
tide
tide
Section DDH #2/65
tide
tide
INSET
Masset
OCEAN
Queen Charlotte Isl
Sandspit
1"=55mi
TASU
DDH #2/65
Vertical
#2 sample area 15'x12'x5'
1000
Vert
BASALTS
TIDAL
800
DDH #1/65
#1 sample area
75°
Cliff
PIT
83°
70°
87°
20°
400
20°
Map SR #1/65
Chain & Compass
Controlled Sketch
Map of
Shag Rock Manganese
May. 1965
JJMcD
F.E.M.L.
1"=100'
LEGEND
Manganese Oxide ground mass in brecciated Tertiary (Masset) volcanics
Masset Volcanics (Tertiary Basalt)
NO OUTCROP
TIDAL
fold

Plate 1

GEOCHEMICAL SURVEY

Soil samples of the "B" horizon were attempted but many were organic due to the swampy covering. Subsequently 30% of the samples were ringed. The soil samples were placed in soil envelopes provided by Chemex Labs Ltd. of North Vancouver, B. C. The samples were delivered to the lab where -80 mesh sie ving, digestion by hot perchloricnitric acid and analysis by atomic absorption were carried out under the supervision of professional geochemists. 220 samples were obtained and analysed for copper, lead, manganese, silver and zinc.

DISCUSSION OF RESULTS

Figures 2, 3 and 4 outline the copper, manganese and zinc geochemical results. The complete analysis records are appendixed to this report. since the elements lead and silver were not plotted.

The Queen Charlotte area is subject to considerable rainfall which has a pronounced leaching effect on the soil as is evidenced by the very low values of copper and zinc. In spite of the high rainfall, the manganese trend is quite pronounced with a high of 9300 p.p.m. being obtained. A correlation of the three maps would strongly suggest that the manganese structure is very prominent south of the small Indian Reserve. This trend is a direct extension of the showings along the shore line. The anomalous soil samples on line 200S were tested for p.p.b. gold and returned nil. This area shows coincident values of copper, manganese and zinc. The copper, zinc values are anomalous with respect to the background values but in a normal environment would themselves be background. Manganese on the otherhand, is somewhat more typical. However, if the same ratio of surface leaching

applies, the high values obtained could indicate the presence of a manganese enriched zone similar to that along the shore.

CONCLUSION AND RECOMMENDATIONS

A preliminary geochemical program was conducted over a portion of the Shag 1 and 2 mineral claims to try and determine if the manganese showings at the shoreline extended inland. Background values for copper and zinc were very low; however a well defined southwest trend was delineated which gave a high of some six times background on line 200S. Manganese gave two highs of 7800 p.p.m. and 9300p.p.m. on the small survey grid and two values of 6000 p.p.m. and 6500 p.p.m. on the perimeter sampling. This would indicate the presence of other manganese bearing zones. Any further surface exploration should include a V.L.F. electromagnetometer survey to determine if this method would assist in tracing the manganese bearing zones beneath the variable overburden cover.

Respectfully submitted,
GLEN E. WHITE GEOPHYSICAL
CONSULTING & SERVICES LTD.

Glen E. White, B.Sc., P. Eng.
Consulting Geophysicist

STATEMENT OF QUALIFICATIONS

NAME: WHITE, Glen E., P. Eng.

PROFESSION: Geophysicist

EDUCATION: B.Sc. Geophysics - Geology
University of British Columbia

PROFESSIONAL ASSOCIATIONS: Registered Professional Engineer,
Province of British Columbia

Associate member of Society of Exploration Geophysicists.

Past President of B. C. Society of Mining Geophysicists.

EXPERIENCE: Pre-Graduate experience in Geology - Geochemistry - Geophysics with Anaconda American Brass.

Two years Mining Geophysicist with Sulmac Exploration Ltd. and Airborne Geophysics with Spartan Air Services Ltd.

One year Mining Geophysicist and Technical Sales Manager in the Pacific north-west for W. P. McGill and Associates.

Two years Mining Geophysicist and supervisor Airborne and Ground Geophysical Divisions with Geo-X Surveys Ltd.

Two years Chief Geophysicist Tri-Con Exploration Surveys Ltd.

Nine years Consulting Geophysicist.

Active experience in all Geologic provinces of Canada.

COST BREAKDOWN

For Geochemical Survey
Dates of Work Feb. 24-28/80
For Project Total Feb. 21-29/80

Personnel	Date	Wages	Total
J. Muir	Feb. 24-28/80	$175/day	$875.00
M. Kay	Feb. 24-28/80	125/day	625.00
Meals and accomodations and sundry			350.00
Geochemical analysis			908.00
Queen Charlotte Helicopter, $1269: attribute ½			634.00
Drafting and Geochemical Report			550.00
		Total	$3942.00

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J2C1
TELEPHONE: 984-0221
AREA CODE: 604
TELEX: 04-352597

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CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 52239

TO: Glen White Geophysical Cons. & Services Ltd.,
925 Beckwith Road
Richmond, B.C.
V6X 1V7

INVOICE NO. 35056

RECEIVED Feb.29/80

ATTN:

ANALYSED March 7/80

SAMPLE NO. :	PPM Cu	PPM Pb	PPM Zn	PPM Ag	PPM Mn	
BL 5.0 N	12	4	14	0.1	60	
BL 100 N	2	4	6	0.1	25	
BL 150 N	8	2	28	0.1	170	
BL 200 N	2	1	20	0.1	125	
BL 250 N	1	1	6	0.1	15	
BL 300 N	1	1	1	0.1	35	
BL 350 N	2	20	6	0.1	50	
BL 400 N	2	1	2	0.1	35	
BL 450 N	4	1	4	0.1	55	
BL 500 N	4	1	6	0.1	220	
BL 550 N	4	1	6	0.1	115	
BL 600 N	2	6	2	0.1	65	
BL 650 N	1	1	1	0.1	190	
BL 700 N	10	1	22	0.1	2050	
BL 50 S	1	4	10	0.1	20	
BL 100 S	4	1	6	0.1	75	
BL 150 S	8	1	8	0.1	80	
BL 200 S	6	1	4	0.1	75	
BL 250 S	2	1	4	0.1	50	
BL 300 S	4	2	4	0.1	20	
BL 350 S	2	1	8	0.1	15	
BL 400 S	2	1	6	0.1	155	
BL 450 S	4	4	10	0.1	580	
BL 500 S	4	2	10	0.1	475	
BL 550 S	2	2	6	0.1	110	
BL 600 S	4	2	4	0.1	75	RINGED
BL 650 S	4	2	14	0.1	150	RINGED
BL 700 S	2	2	10	0.1	70	
BL 750 S	2	4	6	0.1	65	
BL 800 S	4	2	10	0.1	155	RINGED
BL 850 S	4	2	20	0.1	195	RINGED
BL 900 S	4	4	8	0.1	30	
BL 950 S	2	2	8	0.1	30	RINGED
BL 1000 S	4	2	6	0.1	50	
L200S50W	4	1	16	0.1	50	RINGED
L200S100W	10	2	10	0.1	100	
L200S150W	24	1	40	0.1	345	
L200S200W	26	2	40	0.1	260	
L200S250W	4	4	10	0.1	55	
L200S300W	2	1	10	0.1	50	

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Biddle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J2C1
TELEPHONE: 984-0221
AREA CODE: 604
TELEX: 04-352597

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Richmond, B.C.
V6X 1V7

INVOICE NO. 35056

RECEIVED Feb. 29/80

ATTN:

ANALYSED March 7/80

SAMPLE NO. :	PPM Cu	PPM Pb	PPM Zn	PPM Ag	PPM Mn	
L200S350W	4	2	12	0.1	365	RINGED
L200S400W	16	4	16	0.1	50	
L200S450W	1	1	6	0.1	20	
L200S500W	2	4	6	0.1	115	
L200S550W	2	6	12	0.1	250	
L200S600W	2	2	12	0.1	40	
L200S650W	2	1	4	0.1	50	RINGED
L200S700W	4	4	4	0.2	80	RINGED
L200S750W	2	2	8	0.1	65	RINGED
L200S800W	2	1	6	0.1	50	
L200S850W	2	1	8	0.1	80	RINGED
L200S900W	4	12	10	0.1	110	
L200S950W	6	4	10	0.1	70	RINGED
L200S1000W	4	2	12	0.2	160	RINGED
L200S50E	8	2	10	0.1	210	RINGED
L200S100E	8	2	14	0.1	110	RINGED
L200S150E	6	2	14	0.1	95	
L200S200E	6	1	10	0.1	90	RINGED
L200N50E	12	6	38	0.1	390	
L400S50E	2	1	2	0.1	20	
L400S100E	2	2	8	0.1	40	RINGED
L400S150E	2	1	6	0.1	40	RINGED
L400S200E	2	6	4	0.1	40	RINGED
L400N50E	2	2	2	0.1	80	
L400N100E	4	2	12	0.1	90	
L400N150E	32	4	30	0.1	795	
L400S50W	16	1	40	0.1	160	
L400S100W	4	1	8	0.1	75	RINGED
L400S150W	2	8	2	0.1	55	
L400S200W	6	6	18	0.1	470	
L400S250W	4	2	6	0.1	45	RINGED
L400S300W	4	1	12	0.1	100	
L400S350W	2	4	2	0.1	60	
L400S400W	4	2	8	0.1	70	RINGED
L400S450W	4	4	6	0.1	70	RINGED
L400S500W	4	1	10	0.1	40	
L400S550W	4	4	8	0.1	70	
L400S600W	2	2	4	0.2	60	
L400S650W	4	1	8	0.1	50	
L400S700W	4	2	16	0.1	225	RINGED

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CERTIFIED BY: Hart Biddle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J2C1
TELEPHONE: 984-0221
AREA CODE: 604
TELEX: 04-352597

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925 Beckwith Road
Richmond, B.C.
V6X 1V7

INVOICE NO. 35056

RECEIVED Feb. 29/80

ATTN:

ANALYSED March 7/80

SAMPLE NO. :	PPM Cu	PPM Pb	PPM Zn	PPM Ag	PPM Mn	
L400S750W	8	8	10	0.1	70	
L400S800W	4	6	8	0.1	80	
L400S850W	4	2	8	0.1	130	
L400S900W	4	2	10	0.1	160	
L400S950W	2	10	4	0.1	65	
L400S1000W	2	10	6	0.1	50	
L600N50E	1	6	2	0.1	100	
L600N100E	2	2	12	0.1	270	
L600N150E	2	2	6	0.1	40	
L600S50W	2	8	6	0.1	210	
L600S100W	4	6	8	0.2	100	
L600S150W	8	6	8	0.1	75	
L600S200W	4	4	4	0.1	60	
L600S250W	4	4	8	0.1	70	
L600S300W	4	4	8	0.1	80	
L600S350W	2	6	6	0.2	70	
L600S400W	2	6	8	0.1	310	
L600S450W	2	4	4	0.1	85	
L600S500W	4	2	12	0.1	7800	
L600S550W	4	1	10	0.1	130	RINGED
L600S600W	4	2	8	0.1	70	RINGED
L600S650W	4	2	6	0.1	65	
L600S700W	4	2	8	0.1	75	RINGED
L600S750W	14	4	42	0.1	135	
L600S800W	4	2	4	0.1	60	RINGED
L600S850W	4	2	6	0.1	40	RINGED
L600S900W	4	2	8	0.1	45	
L600S950W	2	4	4	0.1	40	RINGED
L600S1000W	10	2	12	0.1	65	RINGED
L800S50W	2	2	6	0.1	70	
L800S100W	6	4	6	0.1	65	
L800S150W	2	6	6	0.1	90	RINGED
L800S200W	4	6	8	0.1	55	RINGED
L800S250W	6	2	6	0.1	50	
L800S300W	2	4	6	0.1	100	
L800S350W	6	1	14	0.1	9300	RINGED
L800S400W	4	1	6	0.1	225	
L800S450W	4	2	10	0.1	160	RINGED
L800S500W	2	4	8	0.2	75	RINGED
L800S550W	10	4	4	0.2	60	

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hank Biesle

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J2C1
TELEPHONE: 984-0221
AREA CODE: 604
TELEX: 04-352597

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CERTIFICATE NO. 52242

TO: Glen White Geophysical Cons. & Service Ltd.,
925 Beckwith Road
Richmond, B.C.
V6X 1V7

ATTN:

INVOICE NO. 35056

RECEIVED Feb. 29/80

ANALYSED March 7/80

SAMPLE NO. :	PPM Cu	PPM Pb	PPM Zn	PPM Ag	PPM Mn	
800S600W	2	4	6	0.1	80	
800S650W	2	4	4	0.1	160	
800S700W	2	2	4	0.1	80	
800S750W	4	1	4	0.1	50	RINGED
800S800W	4	2	6	0.1	30	RINGED
800S850W	16	2	44	0.1	160	
800S900W	8	1	10	0.1	65	RINGED
800S950W	6	1	6	0.1	50	
800S1000W	2	2	2	0.1	40	RINGED
0W	2	1	4	0.1	40	
0.1W	2	2	22	0.1	150	
0.2W	6	1	50	0.1	225	RINGED
0.3W	4	1	14	0.1	100	RINGED
0.4W	4	1	12	0.1	75	
1.0W	2	1	14	0.1	30	
1.1W	10	2	8	0.2	130	
1.2W	8	2	8	0.1	60	
1.3W	6	2	18	0.1	170	
1.4W	4	1	24	0.1	260	
2.0W	6	1	24	0.1	230	
2.1W	2	1	14	0.1	170	
2.2W	2	6	8	0.1	90	
2.3W	2	8	6	0.1	90	
2.4W	2	4	8	0.1	150	
3.0W	2	2	4	0.1	250	RINGED
3.1W	4	2	14	0.1	345	
3.2W	4	2	12	0.1	70	
3.3W	2	4	14	0.1	25	
3.4W	2	2	14	0.1	60	RINGED
4.0W	4	6	14	0.1	35	RINGED
4.1W	14	1	34	0.1	285	
4.2W	6	1	16	0.1	1050	RINGED
4.3W	4	1	14	0.1	90	RINGED
4.4W	4	1	16	0.1	85	RINGED
5.0W	22	4	28	0.1	115	
0.1S	4	1	14	0.1	25	
0.2S	6	6	14	0.1	45	
0.3S	6	1	14	0.1	115	
0.4S	6	1	16	0.1	65	RINGED
1.0S	6	2	32	0.1	6500	

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Biddle

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J2C1
TELEPHONE: 984-0221
AREA CODE: 604
TELEX: 04-352597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 52243

TO: Glen White Geophysical Cons. & Service Ltd.,
925 Beckwith Road,
Richmond, B.C.
V6X 1V7

INVOICE NO. 35056

RECEIVED Feb.29/80

ATTN:

ANALYSED March 7/80

SAMPLE NO. :	PPM Cu	PPM Pb	PPM Zn	PPM Ag	PPM Mn	
1.1S	MISSING					
1.2S	2	2	6	0.1	70	
1.4S	4	1	8	0.1	120	
1.4S Swamp	2	2	8	0.1	90	
2.0S	2	2	14	0.1	100	
2.1S	2	2	4	0.1	30	
2.2S	2	4	4	0.1	30	
2.3S	2	1	6	0.1	100	RINGED
2.4S	4	4	4	0.1	30	RINGED
3.0 Swamp	2	2	10	0.1	100	
3.0S	4	8	8	0.1	30	
3.1S	2	1	6	0.1	95	RINGED
3.2S	2	2	12	0.1	75	
3.3S	4	4	12	0.1	140	RINGED
3.4S	2	2	12	0.1	110	RINGED
4.0S	2	6	14	0.1	40	RINGED
4.0S0.1W	2	2	6	0.1	20	RINGED
4.0S0.2W	2	1	4	0.1	30	RINGED
4.0S0.3W	4	4	6	0.1	30	
4.0S0.4W	4	2	8	0.1	30	
4.0S1.0W	2	2	6	0.1	30	RINGED
4.0S1.1W	1	2	6	0.1	35	
4.0S1.2W	4	2	4	0.1	60	
4.0S1.3W	2	2	2	0.1	50	RINGED
4.0S1.4W	2	2	4	0.1	85	RINGED
4.0S2.0W	1	1	6	0.1	60	RINGED
4.0S2.1W	2	2	10	0.1	110	
4.0S2.2W	2	2	2	0.1	70	
4.0S2.3W	2	1	2	0.1	35	
4.0S2.4W	2	4	12	0.1	50	RINGED
4.0S3.0W	4	16	56	0.1	70	
4.0S3.1W	2	1	6	0.1	50	RINGED
4.0S3.2W	2	1	6	0.1	35	
4.0S3.3W	2	1	10	0.1	50	
4.0S3.4W	2	1	2	0.1	60	RINGED
4.0S4.0W	2	2	8	0.1	65	
4.0S4.1W	4	2	4	0.1	25	RINGED
4.0S4.2W	2	2	6	0.1	25	RINGED
4.0S4.3W	4	2	10	0.1	90	RINGED
4.0S4.4W	2	4	6	0.1	25	RINGED

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Biddle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J2C1
TELEPHONE: 984-0221
AREA CODE: 604
TELEX: 04-352597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 52244

TO: Glen White Geophysical Cons. & Service Ltd.,
925 Beckwith Road
Richmond, B.C.
V6X 1V7

INVOICE NO. 35056

RECEIVED Feb. 29/80

ATTN:

ANALYSED March 7/80

SAMPLE NO. :	PPM Cu	PPM Pb	PPM Zn	PPM Ag	PPM Mn	
5W0.1S	2	1	4	0.1	80	
5W0.2S	4	2	8	0.1	70	
5W0.3S	2	4	4	0.1	60	RINGED
5W0.4S	1	4	2	0.1	50	
5W1.0S	4	1	8	0.1	30	
5W1.1S	2	1	2	0.1	30	RINGED
5W1.2S	6	2	4	0.1	70	
5W1.3S	2	2	4	0.1	95	
5W1.4S	2	2	12	0.1	6000	
5W2.0S	1	4	2	0.1	90	
5W2.1S	1	2	1	0.1	45	
5W2.2S	4	2	12	0.4	60	RINGED
5W2.3S	4	1	4	0.1	20	RINGED
5W2.4S	2	2	4	0.2	20	RINGED
5W3.0S	2	4	16	0.1	120	
5W3.1S	4	2	6	0.1	60	
5W3.2S	4	2	4	0.1	20	
5W3.3S	6	4	2	0.1	35	
5W3.4S	2	2	6	0.1	20	
5W0.1N	12	6	20	0.1	120	
5W0.2N	18	1	24	0.1	270	RINGED

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: Hart Biddle

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J2C1
TELEPHONE: 984-0221
AREA CODE: 604
TELEX: 04-352597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 52241 52239

INVOICE NO. 35056

RECEIVED Feb. 28/80

ANALYSED Mar. 19/80

TO: Mr. Glen White Geophysical Cons. & Serv. Ltd.
925 Beckwith Road
Richmond, B.C.
V6B 1V7

ATTN:

SAMPLE NO. :	PPB Au
600S500	<10
800S350	<10
L200S150	<10
L200S200	<10

CTA MEMBER CANADIAN TESTING ASSOCIATION

CERTIFIED BY: J.F. Wardrop

132°40'

10W 8W 6W 4W 2W 0 BL 2E 4E

Islands

Shag Rock

KLASHWUN PT.

SHAG 1

SHAG 2

I.R. 13

LCP 0+00

6+00N— 4+00N— 2+00N— 0+00— 2+00S— 4+00S— 6+00S— 8+00S— 10+00S—

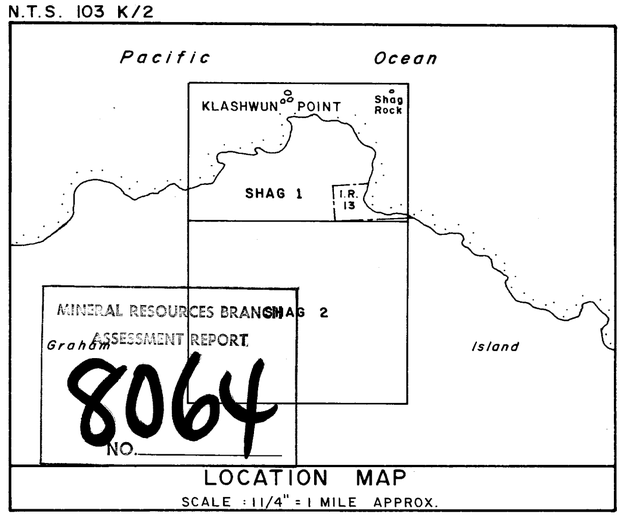
54°08'30"

Area of Showing

COPPER KEY

20 PPM
10 "
5 "

N.T.S. 103 K/2



LOCATION MAP
SCALE : 11/4" = 1 MILE APPROX.

100 50 0 100 200 300
Meters

COMPASS VENTURES LTD.

—SHAG CLAIMS—

SKEENA MINING DIVISION — BRITISH COLUMBIA

GEOCHEMICAL MAP

—COPPER KEY—

To Accompany Geophysical Report on
THE SHAG CLAIM GROUP
Date _____
By GLEN E WHITE, B Sc _____ GEOPHYSICIST

Glen E. White
geophysical consulting
& services ltd.

INTERPRETED BY : G.E.W.
DRAWN BY : T.M.
CHECKED BY :
DATE : MARCH 1980
FIG. No. : 2

132°40'

10W 8W 6W 4W 2W 0 2E 4E

BL

Islands

Shag Rock

KLASHWUN PT.

6+00N

4+00N

2+00N

0+00

2+00S

4+00S

6+00S

8+00S

SHAG 1

I.R. 13

LCP

SHAG 2

Area of Showing

0+00

54°08'30"

2+00S

4+00S

6+00S

8+00S

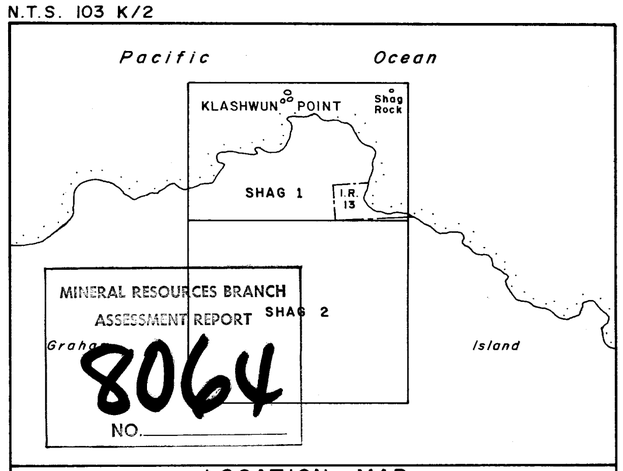
10+00S

MANGANESE KEY

400 PPM
300 "
200 "
100 "

N

N.T.S. 103 K/2



LOCATION MAP
SCALE : 1 1/4" = 1 MILE APPROX.

100 50 0 100 200 300
Meters

COMPASS VENTURES LTD.

— SHAG CLAIMS —

SKEENA MINING DIVISION — BRITISH COLUMBIA

GEOCHEMICAL MAP

— MANGANESE PPM —

Glen E. White geophysical consulting & services ltd.

INTERPRETED BY : G.E.W.	
DRAWN BY : T.M.	
CHECKED BY :	
DATE : MARCH 1980	
FIG. No. : 3	

To Accompany Geophysical Report on
THE SHAG CLAIM GROUP
Date ----------
By GLEN E WHITE - B.S. ..... GEOPHYSICIST

132°40'

10W 8W 6W 4W 2W 0 2E 4E

B L

Islands

Shag Rock

KLASHWUN PT.

SHAG 1

I.R. 13

SHAG 2

LCP 0+00

6+00N— 4+00N— 2+00N— 0+00— 2+00S— 4+00S— 6+00S— 8+00S— 10+00S—

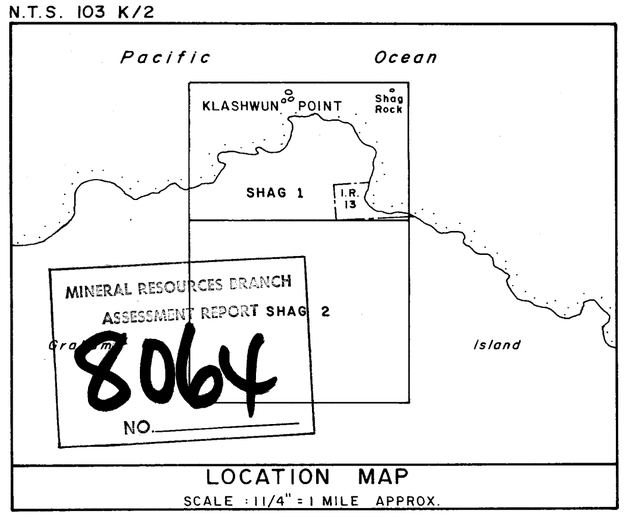
54°08'30"

Area of Showing

ZINC KEY

45 — PPM
30 — "
15 — "

N.T.S. 103 K/2



LOCATION MAP
SCALE : 11/4" = 1 MILE APPROX.

100 50 0 100 200 300
Meters

To Accompany Geophysical Report on
THE SHAG CLAIM GROUP
Date ----------
By GLEN E WHITE - B Sc. ... GEOPHYSICIST

COMPASS VENTURES LTD.

—SHAG CLAIMS—

SKEENA MINING DIVISION — BRITISH COLUMBIA

GEOCHEMICAL MAP

—ZINC PPM—

Glen E. White
geophysical consulting
services ltd.

INTERPRETED BY : G.E.W.
DRAWN BY : T.M.
CHECKED BY :
DATE : MARCH 1980
FIG. No. : 4