

83-#870 - 11716
10/84

ASSESSMENT REPORT
ON
PROSPECTING WORK
ON THE FOLLOWING CLAIMS

ALPHA #3619(11)
DELTA #3622(11)

LOCATED

52 KM NORTH-NORTHWEST OF
STEWART, BRITISH COLUMBIA

LATITUDE 56' 22' LONGITUDE 130 ° 7'

N.T.S. 104B/8E

SKEENA MINING DIVISION
NORTHWESTERN BRITISH COLUMBIA

WORK BETWEEN SEPTEMBER 4 AND SEPTEMBER 11, 1983

ON BEHALF OF

TEUTON RESOURCES CORP.
VANCOUVER, BRITISH COLUMBIA

REPORT BY:

DINO CREMONESE
152 - 890 WEST PENDER STREET
VANCOUVER, BRITISH COLUMBIA

DECEMBER 30, 1983

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,716

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INTRODUCTION

A. Property - Location, Access and Physiography

The property is situated approximately 6 kilometers north of the Granduc air strip at the headwaters of the Bowser River. Access from Stewart, 52 kilometers to the south, is by helicopter; alternate access is by road to Scottie Gold Mines and thence from helicopter to the property. Location is shown on Fig. 1.

The claims follow an east-west trending ridge on the north side of a small valley glacier, the first glacier north of the impressively large Frankmackie Glacier. Toe Lake, a pond formed by glacial recession, marks the southeastern corner of the Alpha claim. The western edge of the property abuts the large icefield at the center of the Knipple, Sulphurets and Frankmackie Glaciers.

Terrain is steep throughout the claim area except on the topland around the 5,000 foot elevation level just below the icecap on the Delta claim. Sharply incised creek courses drain southward into the valley glacier. Vegetation, consisting of mountain balsam and hemlock, thickens gradually downslope from treeline at the 4,000 foot mark. At higher elevations, bare moraines and eskers are interspersed with patches of grass, until, at 4,800 feet and higher, nothing but lichens grows.

B. Status of Property

The Alpha and Delta claims are presently owned by Teuton Resources Corp. of #152-890 W. Pender, Vancouver. Relevant claim information is summarized below:

Claim Name	Record No.	No. of Units
Alpha	3619(11)	20
Delta	3622(11)	16

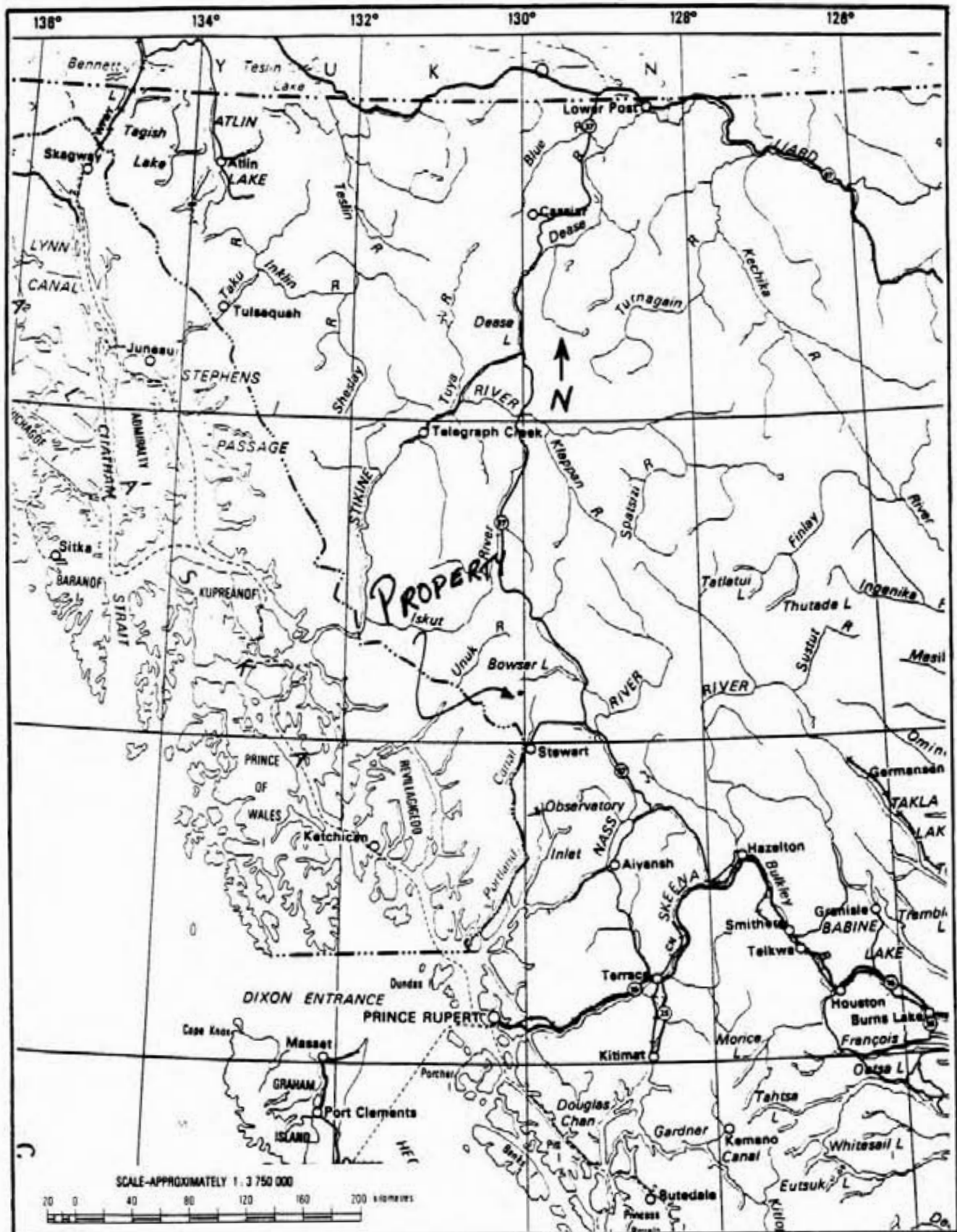
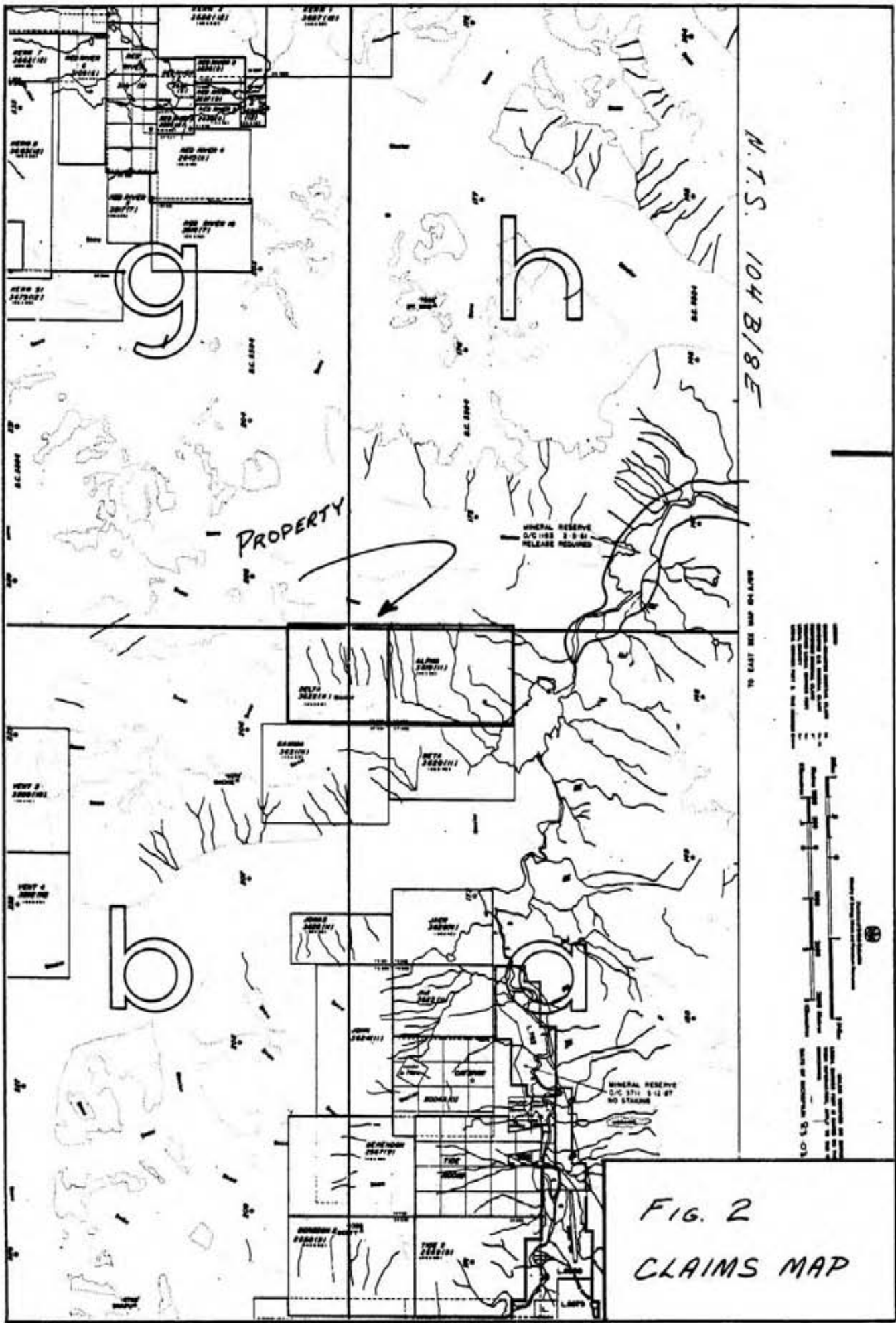


FIGURE 1 LOCATION MAP
STEWART AREA, B.C.



The claims are situated in the Skeena Mining Division. They are shown on Fig. 2.

C. History

Very little is known of the history of the claims area. It is probable that remoteness and ice cover hampered prospecting efforts during the first major period of exploration of the Stewart complex, that is, during the 1920's and 1930's. Since then, road access to the Granduc concentrator and air strip, and heightened rates of glacial ablation, have lessened the impact of these obstacles.

In 1966/67 the claims area formed part of a regional study by the B.C. Department of Mines under the direction of E.W. Grove, P. Eng. (Ref. 3).

Local exploration and mining activity has been intensifying in recent years. About eight kilometers to the south, Scottie Gold Mines continues to produce gold ore and 1983 diamond drilling of that property uncovered a new, high-grade gold zone. Some effort has also gone into re-evaluating the old, high-grade electrum East Gold mine, about six kilometers south of the property. Recent results published by Esso Resources suggest that their Brucejack Lake gold zone, about eleven kilometers north-northwest of the property, has the potential to become a producing gold-silver mine.

D. References

1. Grove, E.W. (1972): Geology and Mineral Deposits of the Stewart Area; B.C. Dept. of Mines and Petroleum Resources, Bull. 58.

2. Grove, E.W. (1982): Unuk River, Salmon River, Anyox Map Areas; Min. of Energy, Mines and Petroleum Resources.
3. Grove, E.W. (1983): The Frankmackie Glacier Property, A Summary Report Compiled for Teuton Resources Corp. (Private Report)

E. Summary of Work Done

Work was undertaken during the period September 4 to September 11, inclusive, 1983. Personnel included D. Cremonese, P. Eng., and Hans Foerster. The property was accessed directly from Stewart by helicopter. Camp was set up on a grassy flat at 4,200 foot elevation in the western section of the Alpha claim. Work consisted of detailed prospecting of the area designated on Fig. 3 (in map pocket). Samples taken were analysed by Acme Analytic Laboratories of Vancouver, B.C.

PROSPECTING REPORT

A. Preamble

Mineralized zones of interest, rock sample locations and geological contacts have been sketched on a 500 foot interval contour map reproduced in this report as Fig. 3 -- "Prospecting Work" (map pocket). Contours were traced from a standard N.T.S. topographic map for the region. Sample locations are approximate and have been charted according to field altimeter readings. Geological information presented in Fig. 3 was derived from the 1982 Unuk River, Salmon River, Anyox Map Areas as published by the Ministry of Energy, Mines and Petroleum Resources (Ref. 2).

Rather than trace each of the numerous field traverses undertaken (which would unduly clutter the map) the approximate eastern and western boundaries delimiting the area prospected have been outlined. This area is underlain for the most part by the late Middle Jurassic Salmon Formation, comprised primarily of thin bedded siltstones and greywackes. It represents a remnant overlying the older, Unuk River Formation which outcrops along the western boundary of the Delta claim and also along the eastern portion of the Alpha claim (not shown). The Unuk River Formation is made up of massive volcanic breccia, conglomerate and sandstone. Most of the major gold deposits in the Stewart complex have been localized in volcanic units determined to be members of this Lower Jurassic Unuk River Formation, for example, the Silbak Premier Mine, the Big Missouri Mine and the Scottie Gold Mine (Ref. 3).

The 1983 prospecting program emphasized investigation of contact zones around Eocene age intrusions into both the Salmon

River and Unuk River formations. These intrusions, appearing both as dikes and stocks, are most prevalent in the western portion of the Delta claim. Previous work by government geologists (Ref. 3) showed that the contact zones of these intrusives were mineralized; apparently, no minerals other than pyrite were identified.

B. Results

Prospecting by the author and Mr. Hans Foerster confirmed the presence of extensive zones of pyritization around the feldspar porphyry intrusions in the western section of the Delta claim. A new zone (marked "Mineralized Zone" on Fig. 3) was located on the eastern bank of the westernmost creek draining into the valley glacier. The zone is of undetermined width (it disappears under moraine) and seems to have a strike continuity of several hundred meters, paralleling the eastern wall of the creek, north-northwest. Upper reaches of this zone could not be investigated due to the excessive steepness of a cascade in the creek. Mineralization in the zone, of particular interest because it represents the first non-pyrite find in the area, was detected through routine examination and follow-up of creek float. A composite sample taken from abundant creek float (see "FLOAT" - Fig. 3) contained sphalerite and what appeared to be a manganese mineral. Two chip samples taken across eight feet in the zone itself contained minor galena-like minerals; a lime green stain suggested the presence of cadmium or, possibly, antimony (see "DIP" and "H-I-P" - Fig. 3). These samples were assayed with the following results:

	Zn	Pb	Ag	Au	Sb	Fe	Mn
	(%)	(%)	(oz/ton)	(oz/ton)	(%)	(%)	(%)
FLOAT	3.84	0.02	0.09	0.004	0.006	3.35	0.12
DIP	.52	0.91	1.31	0.003	0.181	12.7	1.68
H-I-P	.48	0.18	1.54	0.001	0.018	9.4	1.15

Assays were run by Acme Analytical Laboratories of Vancouver using standard fire-assay or I.C.P. techniques. Only those values considered economically or mineralogically of importance are shown on Fig. 3. Complete results for the thirty odd elements tested are presented in the appended Assay and I.C.P. Certificates.

The rock in the newly discovered mineralized zone appears to be an altered intrusive. Mineralization consists of minor sphalerite and galena (or possible lead antimonides) accompanied by low silver values. Iron and manganese values appear to be partially in a carbonate form. Gold values, regrettably, were uniformly low.

A large float boulder (roughly 1.5 meters in diameter) was found resting on glacial till southwest of the mineralized zone described above. A character sample (see "GLAC" - Fig. 3) was assayed and returned the following: Zn-1.37%, Pb-88%, Ag-1.18 oz/ton, Au-.002 oz/ton. Sb-.108%, Fe-8.6%, Mn-1.15%. This sample is unusual in that very little mineralization is apparent on inspection. Under a short wave UV light the sample glows a light blue, suggestive of hydrozincite. It is quite probable that both iron and manganese are present as carbonates.

? 8.8%?
or 0.88%
See map

Some isolated quartz float was found near the ice edge at 5,450 foot elevation (see "HI-QTZ" - Fig. 3) containing well formed crystals with a galena habit. Assays showed Pb-1.9%, As-0.40% and Ag-1.02 oz/ton with insignificant values in other metals. The source of the float could not be located.

At about 5,200 foot elevation a northerly trending zone of sericite schists, heavily pyritized, was sampled. Values were low in all metals (except iron): see "SERI-1", Fig. 3. South of this, at 4,200 foot elevation, the author discovered an old open cut into a weak quartz vein in siltstone. No sample was taken as neither mineralization or structure looked promising. This was the only evidence of previous activity on the claims to be found during the prospecting program.

Unfortunately, very bad weather conditions prevented a more thorough investigation of the feldspar porphyry zone at the western edge of the Delta claim. Activities often had to be cut short due to thick mist and snow flurries at higher elevations. Lower slopes, along the valley glacier, were difficult to prospect because of a series of steep gorges formed by numerous cross-cutting creeks.

C. Conclusion

Despite steep terrain and inclement weather, the 1983 prospecting program was successful in that a large, new zone mineralized with zinc, lead and minor silver values was located in the western portion of the Delta claim. This zone, as well as the unprospected portion to the west, deserves careful follow-up. Geological mapping, blast trenching and sampling are recommended in order to assess the potential of the newly discovered zone as well as any others that might be uncovered.

Respectfully submitted,



Dino Cremonese, P. Eng.

December 30, 1983

APPENDIX I - WORK COST STATEMENT

Field Personnel:

Dino Cremonese, P. Eng. September 4 - 11 inclusive, 1983 8 days @ \$300/day	\$ 2,400
Hans Foerster, Assistant September 4 - 11 inclusive, 1983 8 days @ \$200/day	1,600
Food: 16 man-days @ \$25/day	400
Field Supplies: Propane, gas, topofill, flares, flagging, etc.	95
Camp Rental: Tent, stoves, power saw, etc. 8 days @ \$20/day	160
Truck Rental: 8 days @ \$20/day	160
Helicopter: Vancouver Island Helicopters Drop-off - 0.9 hrs. @ \$515/hr. Pick-up - 0.8 hrs. @ \$653/hr.	464 522
Geochemical Analysis: Acme Analytical Labs. 6 Au/Ag Fire Assays @ \$12.50/ each 6 Pb/Zn Assays @ \$7 each 4 Cd/Sb Assays @ \$7 each 6 I.C.P. 31 element assays @ \$5.50 each	75 42 28 33
General Transportation: Vanc./Stewart/Vanc. 20% of \$1,320	264
Report Costs: D. Cremonese, P. Eng. Sample and Report Preparation 2 1/2 days @ \$300/day George Toop - Draughting 8 hrs. @ \$15/hr. Maps, copies, blow-ups, jackets, etc. Word Processor: 3 1/2 hrs. @ \$ 25/hr.	750 120 42 88
TOTAL	<u>\$ 7,243</u> *****

APPENDIX II - CERTIFICATE

I, Dino Cremonese, do hereby certify that:

1. I am a consulting engineer (metallurgical) with an office at Suite 152-890 W. Pender, Vancouver, B.C.;
2. I am a graduate of the University of British Columbia (B.A. Sc. in Metallurgical Engineering, 1972 and L.L.B., 1979).
3. I am a Professional Engineer registered with the Association of Professional Engineers of the Province of British Columbia as a resident member (#13,876);
4. I have practiced by profession since 1979;
5. This report is based upon work carried out on the Alpha and Delta mineral claims, Skeena Mining Division in Sept. 1983;
6. I am a principal of Teuton Resources Corp., owner of the Alpha and Delta claims: this report was prepared solely for satisfying assessment work requirements in accordance with government regulations.

Dated at Vancouver, B.C., this 30th day of December,
1983.



Dino Cremonese, P.Eng.

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: 253-3158 TELEX: 04-53124

DATE RECEIVED SEPT 15 1983
DATE REPORTS MAILED *Sept 20/83*

ASSAY CERTIFICATE

SAMPLE TYPE : ROCK - CRUSHED AND PRULVERIZED TO -100 MESH.

ASSAYER *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

ARCHAEAN RESOURCES CORP FILE # 83-2165 PAGE# 1

SAMPLE	AG	AU
	OZ/TON	OZ/TON
HI-QTZ	1.02	.011
SERI-1	.04	.005
DIP	1.31	.003
H-I-P	1.54	.001
GLAC	1.18	.002
FLOAT	.09	.004
MYS	10.04	.030
TENN	3.48	.054
BRU-1	1.04	.021
BRU-2	.94	.032
BRU-3	.31	.008

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: 253-3158 TELEX: 04-53124

DATE RECEIVED OCT 27 1983

DATE REPORTS MAILED Nov 9/83

ASSAY CERTIFICATE

SAMPLE TYPE : PULP

ASSAYER Dean Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

ARCHAEOAN RESOURCES

FILE # RE: 83-2165

PAGE# 1

SAMPLE	CU %	PB %	ZN %	NI %	CD %	SB %
DIP	-	.91	.52	-	.005	.181
H-I-P	-	.18	.48	-	.004	.018
GLAC	-	.88	1.37	-	.012	.108
FLOAT	-	.02	3.84	-	.031	.006
MYS	.43	.03	.12	.01	-	-
TENN	.15	.03	.10	.01	-	-

ICP GEOCHEMICAL ANALYSIS

A .500 GRAM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR. THE SAMPLE IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR: Ca, P, Mg, Al, Ti, La, Na, K, M, Ba, Sr, Cr AND B. Au DETECTION 3 PPM.
 SAMPLE TYPE - PULP

DATE RECEIVED OCT 27 1983

DATE REPORTS MAILED Nov 9/83

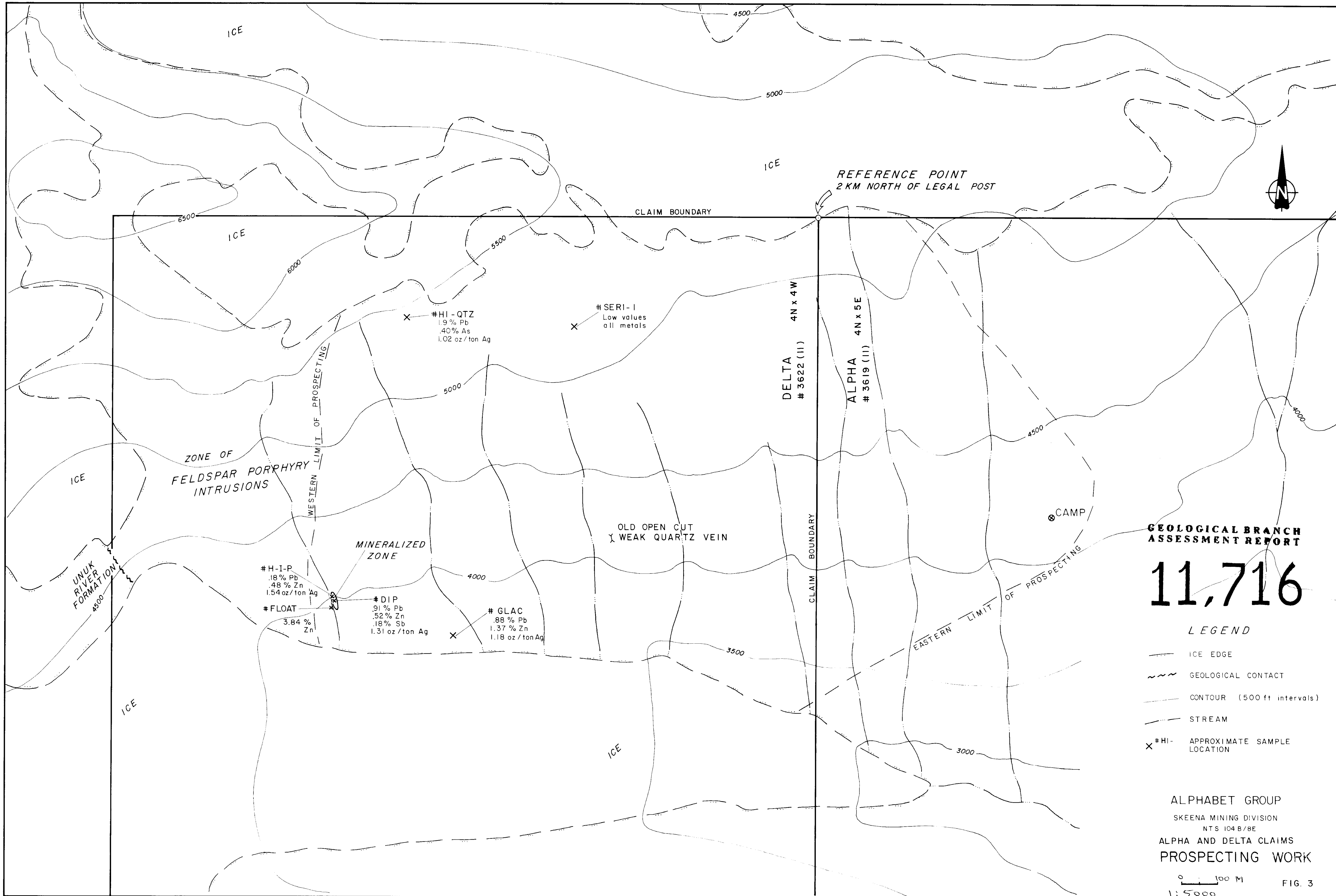
ASSAYER A. J. Jones

DEAN TOYE, CERTIFIED B.C. ASSAYER

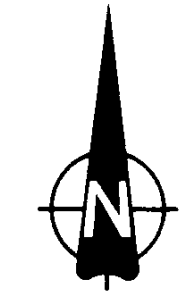
ARCHAEOAN RES FILE # 83-2570A & 83-2165

PAGE # 1

SAMPLE #	Mo	Cu	Pb	Zn	Ag	Mn	Co	Ni	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	M	Ta
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L-1	3	16	18	9	6	11	51	69	3.25	6	2	ND	2	17	1	3	2	12	.50	.05	2	20	.10	6	.05	2	.55	.05	.05	2	2
L-2	3	280	10	18	1.7	8	9	233	2.25	2	2	2	2	41	1	8	2	11	.50	.05	2	17	.50	38	.05	2	.72	.05	.15	2	2
L-3	4	17	15	1	1.1	3	3	148	1.50	6	4	ND	4	14	1	2	2	3	.15	.05	7	15	.10	48	.05	2	.50	.05	.05	2	2
L-4	514.78	11	180	34.7	78	428	114	18.75	11	2	ND	2	3	25	2	122	23	.50	.50	2	20	.15	8	.05	7	.40	.05	.05	2	4	
L-5	315.94	23	220	33.8	208	708	135	23.05	8	3	ND	2	3	26	2	147	23	.15	.50	2	8	.25	10	.05	9	.65	.05	.05	2	3	
L-6	318.24	10	416	47.3	130	320	91	21.10	25	7	ND	2	1	35	2	211	14	.05	.40	2	21	.05	3	.05	7	.50	.05	.05	2	8	
L-7	2310.74	9	71	20.4	440	1419	170	37.10	68	8	ND	2	3	17	2	38	42	.20	.25	2	10	.15	8	.05	6	.80	.05	.05	2	2	
L-8	855021	20	1	8.8	128	487	184	16.50	7	8	ND	3	3	8	2	3	74	.40	.20	2	9	.80	30	.10	3	1.00	.05	.10	2	4	
L-9	816.58	15	526	35.8	445	1813	283	27.45	2	14	ND	2	1	30	2	155	32	.05	.25	2	10	.55	8	.05	8	1.05	.05	.05	2	8	
L-10	348855	2	3	16.4	84	245	180	11.70	4	6	ND	2	3	8	2	31	98	.20	.20	2	20	.80	22	.05	3	.75	.05	.05	2	2	
L-11	1375605	9	10	18.7	118	640	119	14.78	28	6	ND	2	3	11	2	33	37	.10	.25	2	24	.45	11	.05	8	.90	.05	.05	2	7	
L-12	387613	15	155	18.7	304	1203	76	14.65	2	7	ND	2	3	16	2	65	35	.15	.25	2	19	.25	11	.05	7	.45	.05	.05	2	14	
HI-012	2	465	19168	138	42.9	3	4	47	.80	4044	10	ND	20	9	30	3172	2	5	.05	.05	2	10	.05	96	.05	2	.20	.05	.10	3	2
SER1-1	2	94	141	1	1.1	58	23	57	4.75	171	3	ND	2	9	1	22	4	9	.15	.10	8	10	.05	89	.05	2	.45	.05	.25	2	3
DIP	1	69	8391	4770	47.8	15	8	16784	12.70	532	4	3	13	66	55	1813	5	23	.65	.10	2	3	.30	81	.05	5	.40	.05	.15	2	2
H-1-P	1	107	1609	4275	58.8	30	18	11458	9.40	62	7	2	4	28	41	192	3	27	.70	.15	4	11	1.20	124	.05	2	.50	.05	.30	2	2
GLAC	1	68	8784	11719	42.3	12	6	11478	8.60	136	9	2	12	28	119	1082	4	21	.35	.10	2	11	.85	71	.05	2	.35	.05	.15	2	2
FLGAT	26	91	185	36426	2.2	15	13	1172	3.35	147	2	ND	2	170	308	61	7	12	3.10	.10	3	17	.90	84	.05	2	.35	.05	.20	2	2
MYS	1	4258	297	1818	352.8	37	6	1132	28.70	1347	2	3	2	75	18	2820	2	11	1.50	.05	2	5	.50	23	.05	5	.40	.05	.05	2	9
TEAN	1	1540	338	970	118.0	43	8	514	36.40	1970	11	4	2	25	10	911	2	25	.35	.05	2	5	.10	33	.05	2	.45	.05	.05	2	9
DRO-1	1	72	50	27	36.8	6	3	77	2.80	666	6	2	2	6	1	113	3	8	.10	.20	2	8	.05	39	.05	2	.20	.05	.10	2	3
DRO-2	1	50	38	1	31.3	12	4	154	21.75	3337	8	3	2	3	4	593	2	28	.05	.05	2	1	.05	48	.05	3	.40	.05	.10	2	6
DRO-3	2	134	49	1	13.2	8	7	88	4.80	1182	4	ND	2	7	1	87	8	12	.30	.10	3	4	.05	103	.05	3	.45	.05	.05	2	3
STD C-8	165310105	9310	17305	199.6	1499	43	709	6.45	639	2	8	12	54	176	2801	34	48	.80	.15	4	213	.70	129	.10	7	1.20	.05	.25	285	2	



REFERENCE POINT
2 KM NORTH OF LEGAL POST



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

11,716

LEGEND

- ICE EDGE
- GEOLOGICAL CONTACT
- CONTOUR (500 ft intervals)
- STREAM
- #HI- APPROXIMATE SAMPLE LOCATION

ALPHABET GROUP
SKEENA MINING DIVISION
NTS 104 B/8E
ALPHA AND DELTA CLAIMS
PROSPECTING WORK

0 100 M
1:5000