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REPORT ON
 GEOCHEMICAL SILT SAMPLING
 NOW GROUP
 QUASH CREEK AREA, B.C.
 LIARD MINING DIVISION
 by
 A.I. Betmanis, P. Eng.

Owner/Operator: Teck Corporation
 Claims: What #5243 (20 units)
 Now #5244 (20 units)
 NTS: 104 G/9E
 Longitude: 130°13'W
 Latitude: 57°43'N

GEOLOGICAL BRANCH
 ASSESSMENT REPORT

November 16, 1989

Vancouver, B.C.

SUB-RECORDER RECEIVED NOV 17 1989 M.R. # \$..... VANCOUVER, B.C.

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INTRODUCTION

The What and Now mineral claims were staked for Teck Corporation in September 1988 as the result of anomalous gold, silver, mercury, and barium values obtained in stream silt samples during a government sponsored regional geochemical silt sampling program released in 1988. The claims lie at the headwaters of Quash Creek, northwest of Kinaskan Lake, northwestern B.C.

The claims are underlain by Upper Triassic volcanic and sedimentary rocks. They are in the general vicinity of the QC prospect, a rusty gossan possibly related to porphyry copper type mineralization, and the SF prospect, a stockwork of mixed sulphides and barite. Lithologies on the What and Now claims are similar to those on the QC and SF prospects.

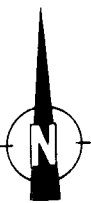
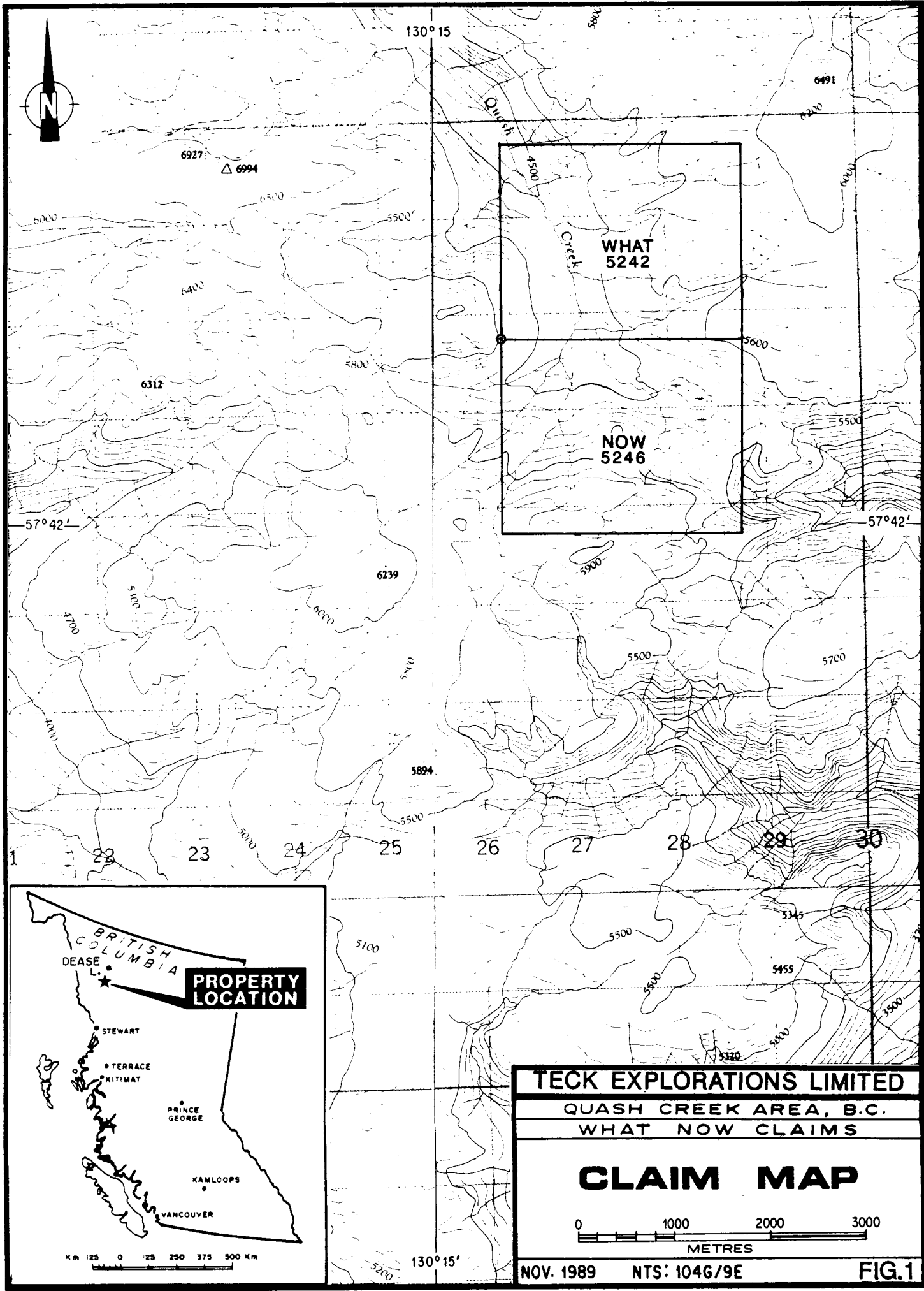
In August 1989 Teck conducted a more detailed silt sampling program on the What and Now claims to verify anomalous silts and to determine whether additional work is justified. A possible discontinuous weakly to moderately anomalous trend in various elements may indicate a mineralized structure which will require a more thorough geological examination, but no formal and detailed exploration program is warranted at this time.

LOCATION AND ACCESS

The Now Group is located at the headwaters of Quash Creek, approximately 8 kilometres west-northwest of Kinaskan Lake and 20 kilometres southwest of Iskut, in the Liard Mining Division, British Columbia. The property is centred near latitude 57°43'N and longitude 130°13'W. The claims lie entirely within NTS 104 G/9E.

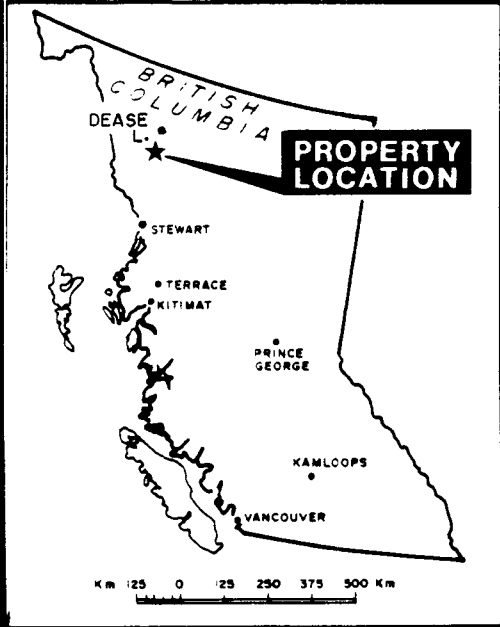
Access to the property is by helicopter from Dease Lake, a flying distance of about 80 kilometres. Occasionally during active field seasons helicopters may be based in Iskut or Telegraph Creek. Several good natural landing sites exist on the property.

The property is mainly above timberline between elevations of 1330 and 1800 metres. Slopes are moderate to locally steep. Valley bottoms in the northwest and southeast parts of the property are lightly forested with balsam, spruce, buckbrush and sub-alpine scrub.



WHAT
5242

NOW
5246



TECK EXPLORATIONS LIMITED

QUASH CREEK AREA, B.C.

WHAT NOW CLAIMS

CLAIM MAP

0 1000 2000 3000
METRES

NOV. 1989 NTS: 104G/9E FIG.1

CLAIMS AND OWNERSHIP

The claims comprising the Now Group are listed below and shown in Figure 1.

Claim	Units	Record Number	Expiry Date *
What	20	5243	01 Sep. 1990
Now	20	5244	01 Sep. 1990

* Upon acceptance of recorded work.

Teck Corporation is the recorder owner of the claims. There is no known conflict with any adjoining claims.

GENERAL GEOLOGY

The Now Group area is included in regional mapping done by J. G. Souther (GSC Paper 71-44). Souther shows the Quash Creek valley on the property as being underlain by Upper Triassic fine grained sediments, greywacke, and volcanic conglomerate. The sediments are overlain at higher elevations by Upper Triassic augite-andesite flows, pyroclastics, volcanoclastics, and related subvolcanic intrusives.

No specific geological mapping was done during the silt sampling program, but general observations made confirm the regional geology.

PREVIOUS WORK

Several properties in the immediate area have been staked at various times, explored by surface methods, and abandoned.

The SF property, located 4 kilometres to the west-southwest has barite stockwork veins with associated galena, sphalerite, chalcopryite, and tetrahedrite in conglomerates cut by felsite dyke (Souther, 1972).

The QC, QCA property, located 5 kilometres to the northwest of the Now Group, explored a gossan zone apparently related to a granodiorite plug as a porphyry copper prospect. Country rocks are Upper Triassic volcanic sediments (Souther, 1972).

In 1988 Teck Corporation explored the Quash Creek property, located about 10

kilometres to the northwest of the Now Group. Structurally controlled zones of pyrite, chalcopyrite, sphalerite, galena, and arsenopyrite, with highly anomalous gold and silver values, were encountered in diorite and Upper Triassic volcanics and sediments (Delaney, 1988). No mineral occurrences have been reported on the Now Group, but the geological setting and geochemical silt anomalies appear to resemble the above properties.

SUMMARY OF WORK

Twenty-six active silt samples were collected in Kraft wet strength gusset soil sample bags above each creek junction whenever accessible. Sample sites were marked conspicuously in the field with flagging. The samples were partially air dried prior to shipping to Chemex Labs Ltd. in North Vancouver for analyses. The samples were oven dried and screened to minus 80 mesh. A 24 element ICP analysis was made following a perchloric-nitric-hydrofluoric acid total digestion of each sample. Samples were analyzed also for silver by atomic absorption following a nitric-aqua regia digestion, and for gold by fire assay of a 10 gram sample with an atomic absorption finish.

Sample locations and significant results are shown in Figures 2 to 5, and complete analytical results given in Appendix II.

DISCUSSION OF RESULTS

Moderately anomalous gold, silver, barium, molybdenum, lead, zinc, and cadmium results were obtained from silt samples of several creeks, but not necessarily from the same samples. However, if possible sources of all anomalous values are considered, a single zone or structure with variable mineral assemblage along strike could explain all anomalous values. The zone would have to parallel Quash Creek on its west side on the Now claim, cross Quash Creek approximately 400 metres north of the south claim line of the What claim, and continue north-northeasterly on the What claim (Figs. 3-5).


The zone would lie entirely within the sedimentary unit mapped by Souther, and parallel a mapped fault to the north-northwest. Several creeks on the property follow this same direction.

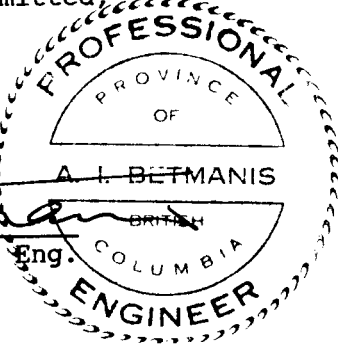
If the above interpretation is correct, then the Now Group could host mineralization which is similar to, and in the same lithologies as, the SF prospect to the west-southwest and the Quash Creek mineralization to the northwest.

CONCLUSIONS

The Now Group of claims has moderately anomalous multi-element silt values which could be explained by a structurally controlled zone of precious and base metal with barite mineralization in sedimentary host rocks similar to other prospects in the area. The location of the indicated structure should be examined carefully in the field, and if verified then sampled, to determine whether a detailed and more intensive exploration program is justified.

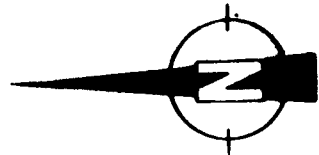
Respectfully submitted


A.I. Betmanis P. Eng.



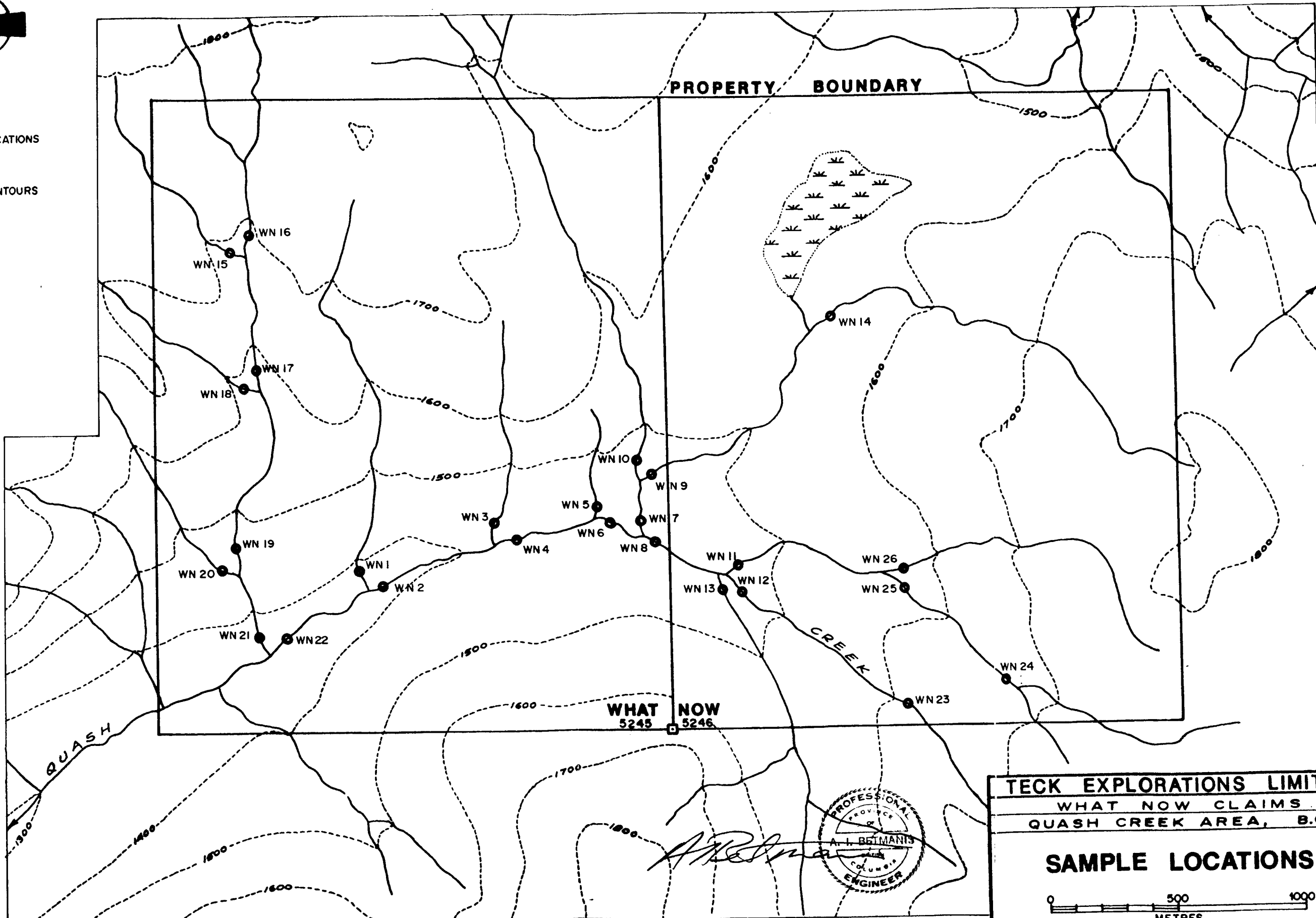
The seal is circular with a double-line border. The outer ring contains the text "PROFESSIONAL" at the top and "ENGINEER" at the bottom. The inner ring contains "PROVINCE OF" at the top, "BRITISH COLUMBIA" at the bottom, and "A. I. BETMANIS" in the center.

November 16, 1989
Vancouver, B.C.



LEGEND

- SILT SAMPLE LOCATIONS
- CREEK
- - - TOPOGRAPHIC CONTOURS
- ⊘ SWAMP



19337

TOPOGRAPHIC CONTOUR INTERVAL 100 METRES

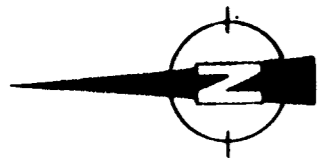
A. I. Betmanis
 PROFESSIONAL
 ENGINEER
 A. I. BETMANIS
 COLUMBIA
 ENGINEER

TECK EXPLORATIONS LIMITED
 WHAT NOW CLAIMS
 QUASH CREEK AREA, B.C.

SAMPLE LOCATIONS

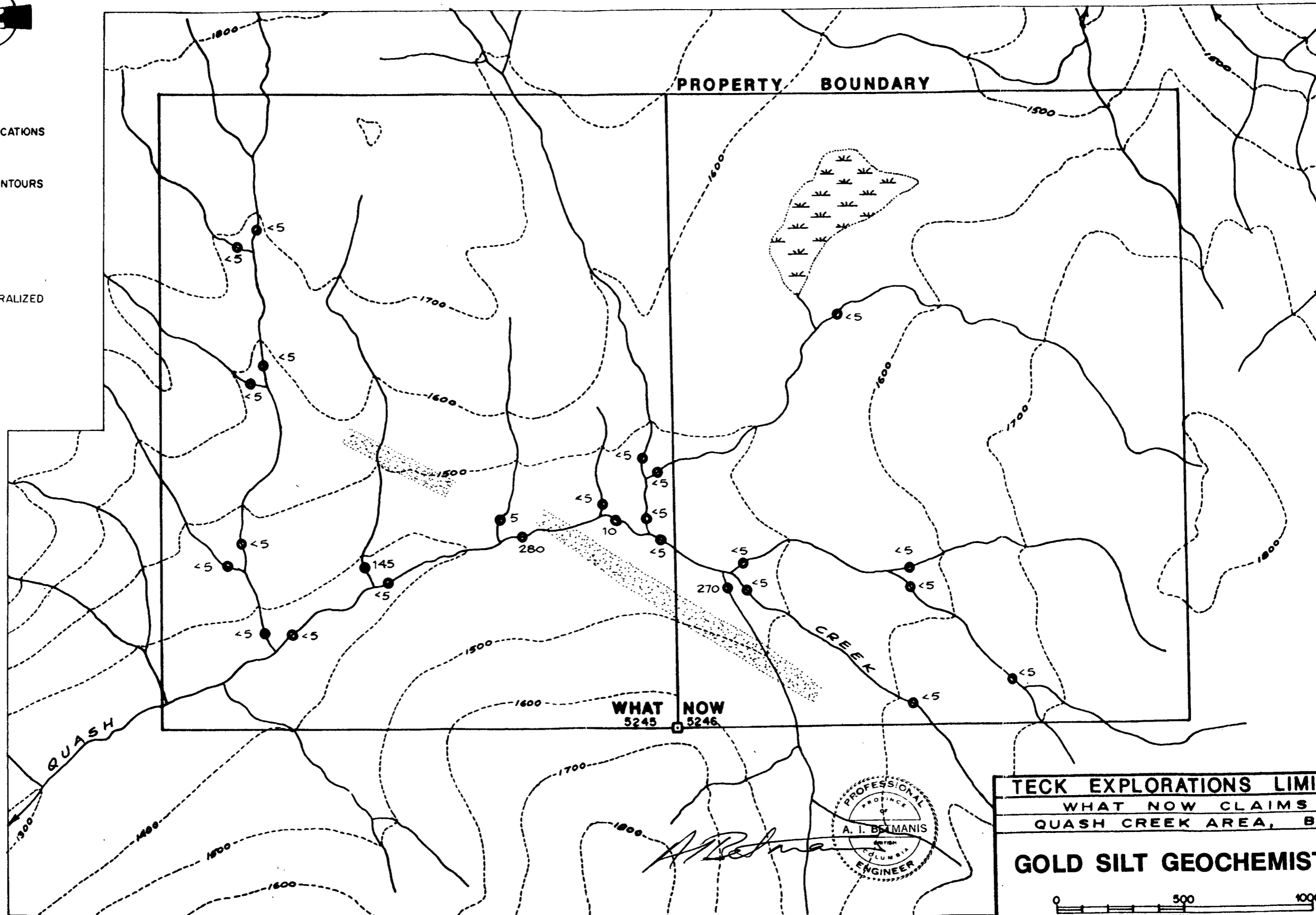


NOV. 1989 | NTS: 104 G/9E | SCALE 1:15 000 | FIG. 2



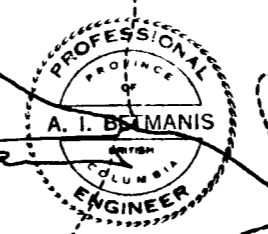
LEGEND

- SILT SAMPLE LOCATIONS
- CREEK
- - - TOPOGRAPHIC CONTOURS
- ⌞ SWAMP
- < 5 = ppb Au
- ▨ POSSIBLE MINERALIZED TREND

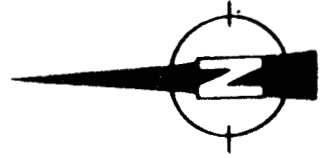


TOPOGRAPHIC CONTOUR INTERVAL 100 METRES

WHAT NOW
5245 5246



TECK EXPLORATIONS LIMITED		
WHAT NOW CLAIMS		
QUASH CREEK AREA, B.C.		
GOLD SILT GEOCHEMISTRY		
NOV. 1989	NTS: 104 G/9E	SCALE 1:15 000
		FIG. 3

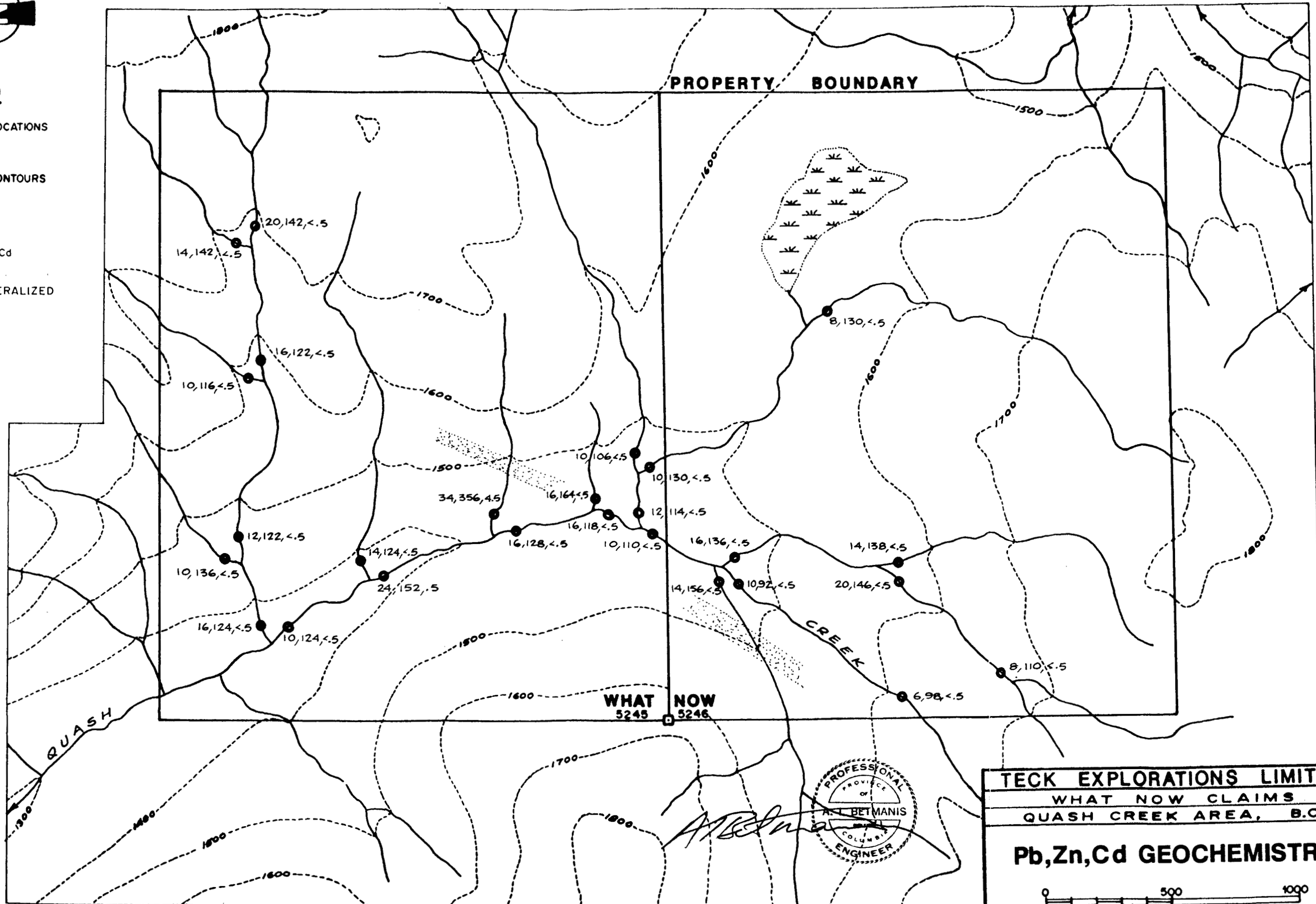


LEGEND

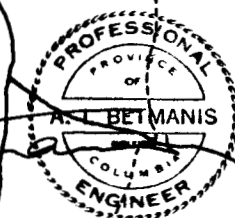
- SILT SAMPLE LOCATIONS
- CREEK
- - - TOPOGRAPHIC CONTOURS
- ⊃ SWAMP

20, 142, <.5 = ppm Pb, Zn, Cd

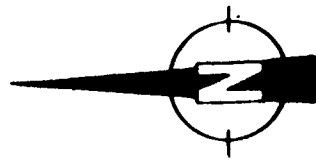
POSSIBLE MINERALIZED TREND



TOPOGRAPHIC CONTOUR INTERVAL 100 METRES



TECK EXPLORATIONS LIMITED		
WHAT NOW CLAIMS		
QUASH CREEK AREA, B.C.		
Pb,Zn,Cd GEOCHEMISTRY		
0 500 1000 METRES		
NOV. 1989	NTS: 104 G/9E	SCALE 1:15 000
		FIG.4



LEGEND

○ SILT SAMPLE LOCATIONS

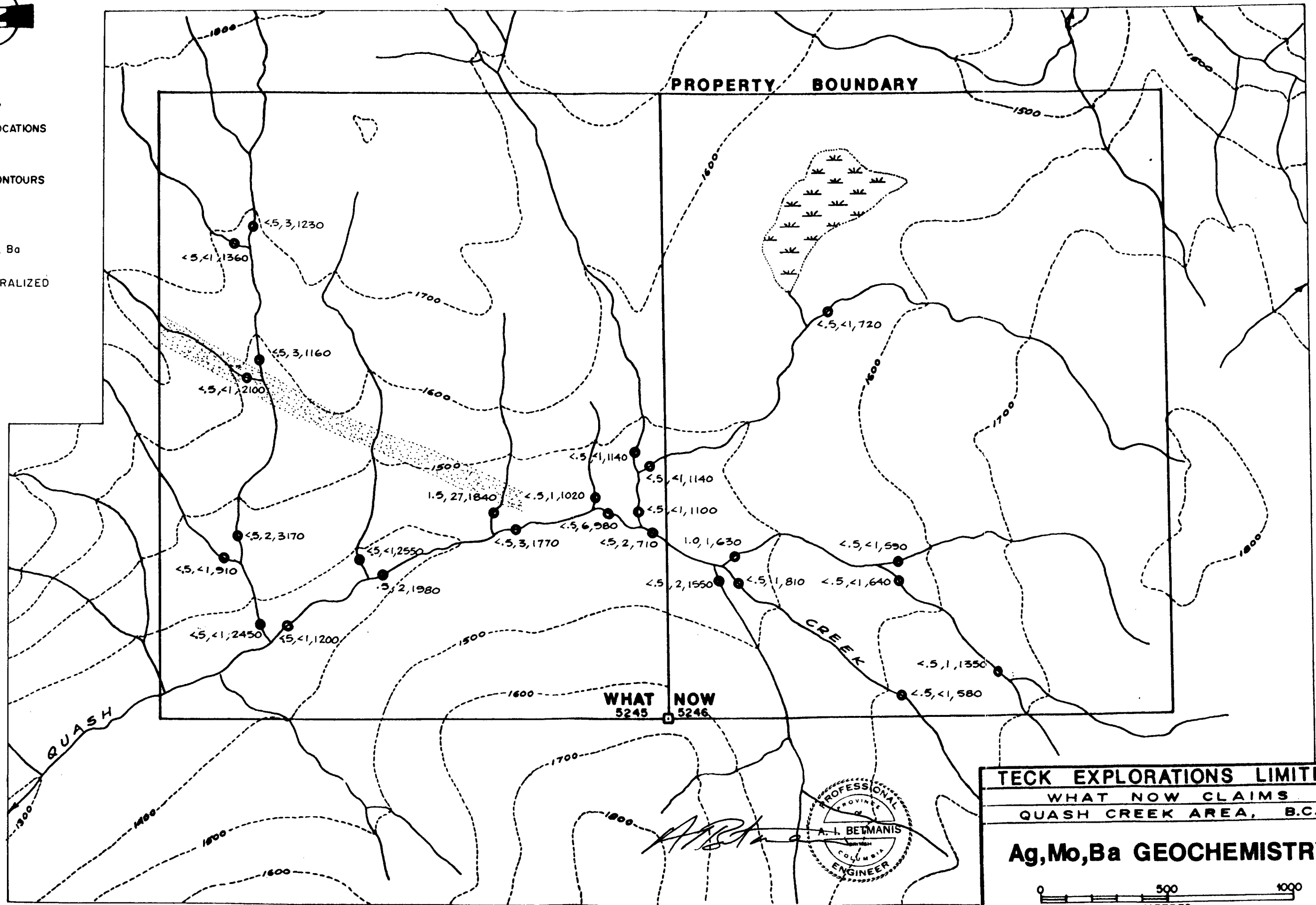
— CREEK

- - - TOPOGRAPHIC CONTOURS

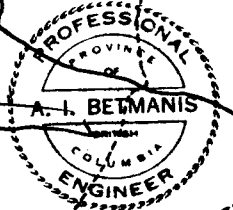
⊞ SWAMP

<.5, 3, 1230 = ppm Ag, Mo, Ba

⊞ POSSIBLE MINERALIZED TREND



TOPOGRAPHIC CONTOUR INTERVAL 100 METRES



TECK EXPLORATIONS LIMITED
WHAT NOW CLAIMS
QUASH CREEK AREA, B.C.

Ag, Mo, Ba GEOCHEMISTRY



NOV. 1989 | NTS: 104 G/9E | SCALE 1:15 000 | FIG. 5

REFERENCES


Delaney, T.M. (1988): **Report on Hand Trenching, Geology, and Geochemistry on the Quash Creek Property**; assessment work report for Teck Corporation dated October 28, 1988.

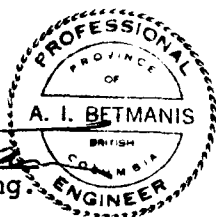
Souther, J.G. (1972): **Telegraph Creek Map Area, British Columbia**; GSC Paper 71-44.

STATEMENT OF QUALIFICATIONS

I, Andris I. Betmanis, do hereby certify that:

1. I am a geologist residing at 2600 Belloc Street, North Vancouver, B.C;
2. I am a graduate of the University of Toronto with a degree of BASc in Applied Geology (1965);
3. I am a registered member of the Association of Professional Engineers of the Province of British Columbia, registration number 8336:
4. I have practised my profession as an exploration geologist continuously for the past 24 years as an employee of Teck Explorations Limited or associated companies in various parts of Eastern and Western Canada, Western U.S.A., and South America;
5. I have not visited the Now Group of mineral claims, but am familiar with the geology and other exploration work carried out previously by Teck Corporation in the general area of the claims.
6. This report is based on data supplied by D. Nikirk, a competent technician employed by Teck Explorations Ltd. to work in the Stikine area for the last three field seasons and in the Quash Creek area in particular during the last two field seasons.
7. D. Nikirk, assisted by R. Nikirk, carried out the exploration work under my direction as described in this report on August 15 and 16, 1989.


A.I. Betmanis, P.Eng.

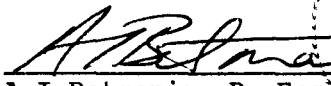


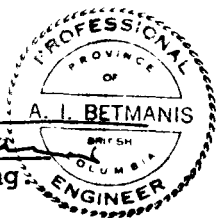
APPENDIX I
STATEMENT OF COSTS

STATEMENT OF COSTS

Mobilization-demobilization, pro-rated	\$795.50
Douglas Nikirk, technician, 2 days @ \$200/day	400.00
Raymond Nikirk, assistant, 2 days @ \$180.00/day	360.00
A.I. Betmanis, geologist, supervision, ½ day @ \$250/day	125.00
Helicopter charter, 2.8 hrs. incl. fuel and oil	1,721.83
Truck rental, 2 days @ \$35/day	70.00
Meals and accommodation	224.92
Fuel, field supplies, communications	218.40
26 geochemical analyses @ \$23.50 each	611.00
Report preparation, drafting	<u>450.00</u>
Project total:	<u>\$4,976.65</u>

The above costs were incurred by Teck Corporation on the Now Group of mineral claims, and are applicable for assessment credit from work described in this report.


A.I. Betmanis, P. Eng.



APPENDIX II
CERTIFICATE OF ANALYSES



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: TECK EXPLORATIONS LIMITED
11TH FLOOR
1199 W. HASTINGS STREET
VANCOUVER, B.C.
V6E 2K5

Project: 1362

Comments: ATTN: W. MEYER CC: A. BETMANIS

Page No.: 1-B
Tot. Pages: 7
Date: 6-SEP-89
Invoice #: I-8924087
P.O. #:

CERTIFICATE OF ANALYSIS A8924087

SAMPLE DESCRIPTION	PREP CODE	Mg % (ICP)	V ppm (ICP)	Al % (ICP)	Be ppm (ICP)	Ca % (ICP)	Cu ppm (ICP)	Ag ppm AAS	Ti % (ICP)	Sr ppm (ICP)	Na % (ICP)	K % (ICP)			
WN-01	201 232	1.35	236	8.19	1.0	1.11	100	< 0.5	0.65	208	1.28	2.30			
WN-02	201 232	0.87	172	7.17	< 0.5	0.79	78	0.5	0.52	149	1.01	1.95			
WN-03	201 232	0.79	396	6.14	0.5	1.12	81	1.5	0.45	107	0.61	1.89			
WN-04	201 232	1.23	225	8.24	0.5	1.08	95	< 0.5	0.60	199	1.31	2.35			
WN-05	201 232	0.97	164	8.04	1.5	1.50	91	< 0.5	0.52	127	1.05	2.36			
WN-06	201 232	1.04	211	8.72	1.0	1.09	88	< 0.5	0.53	179	1.27	2.52			
WN-07	201 232	1.48	206	8.69	< 0.5	1.19	84	< 0.5	0.63	203	1.43	2.44			
WN-08	201 232	1.07	208	8.54	< 0.5	0.99	87	< 0.5	0.51	186	1.34	2.42			
WN-09	201 232	2.49	196	8.64	< 0.5	1.70	66	< 0.5	0.61	324	2.03	2.08			
WN-10	201 232	1.31	203	8.84	< 0.5	1.21	97	< 0.5	0.57	188	1.28	2.63			
WN-11	201 232	1.48	226	8.56	< 0.5	1.06	114	1.0	0.64	219	1.67	2.34			
WN-12	201 232	0.78	177	6.93	< 0.5	0.87	78	< 0.5	0.43	134	0.90	2.06			
WN-13	201 232	1.55	244	9.44	< 0.5	1.06	100	< 0.5	0.56	190	1.25	2.89			
WN-14	201 232	1.85	215	7.85	< 0.5	1.20	85	< 0.5	0.63	252	1.71	1.88			
WN-15	201 232	1.47	204	8.19	< 0.5	1.32	74	< 0.5	0.75	180	1.25	2.19			
WN-16	201 232	1.36	211	7.72	< 0.5	1.30	78	< 0.5	0.62	158	1.08	2.27			
WN-17	201 232	1.30	200	7.64	< 0.5	1.20	77	< 0.5	0.55	156	1.03	2.28			
WN-18	201 232	1.85	184	7.67	< 0.5	1.27	72	< 0.5	0.54	237	1.33	2.22			
WN-19	201 232	2.13	200	7.46	< 0.5	1.35	66	< 0.5	0.66	243	1.08	2.17			
WN-20	201 232	1.79	200	8.26	< 0.5	1.32	78	< 0.5	0.53	171	0.98	2.28			
WN-21	201 232	1.74	205	7.83	0.5	1.35	80	< 0.5	0.58	212	1.07	2.32			
WN-22	201 232	1.56	202	8.24	< 0.5	1.10	75	< 0.5	0.54	200	1.41	2.28			
WN-23	201 232	1.31	221	8.89	0.5	1.01	80	< 0.5	0.62	151	1.14	2.45			
WN-24	201 232	1.45	219	8.06	1.0	1.16	84	< 0.5	0.57	190	1.27	2.27			
WN-25	201 232	1.41	223	8.83	0.5	0.95	108	< 0.5	0.63	196	1.54	2.50			
WN-26	201 232	1.66	210	8.10	< 0.5	0.90	102	< 0.5	0.53	208	1.54	2.12			

CERTIFICATION :

B. Coughlin