REPORT ON SOIL, SILT AND ROCK GEOCHEMICAL SAMPLING, TRENCHING AND VLF-EM SURVEYING

On The

GALORE CREEK GROUP I, II & III CLAIMS
LIARD MINING DIVISION BRITISH COLUMBIA
NTS 104G/3 & 4
LAT. 57° 07' 30" N LONG. 131° 27' W

For

MINGOLD RESOURCES INC.
405 470 Granville Street
Vancouver, B.C.
V6C 1V5

Owner: *Stikine Copper Ltd.*

Operator: *Mingold Resources Inc.*

Author: *K.J. Taylor*

Date: *November 1989*

GALORE CREEK PROJECT

APPENDICES

FIGURES

TABLES

1989 GALORE CREEK PROJECT

Introduction

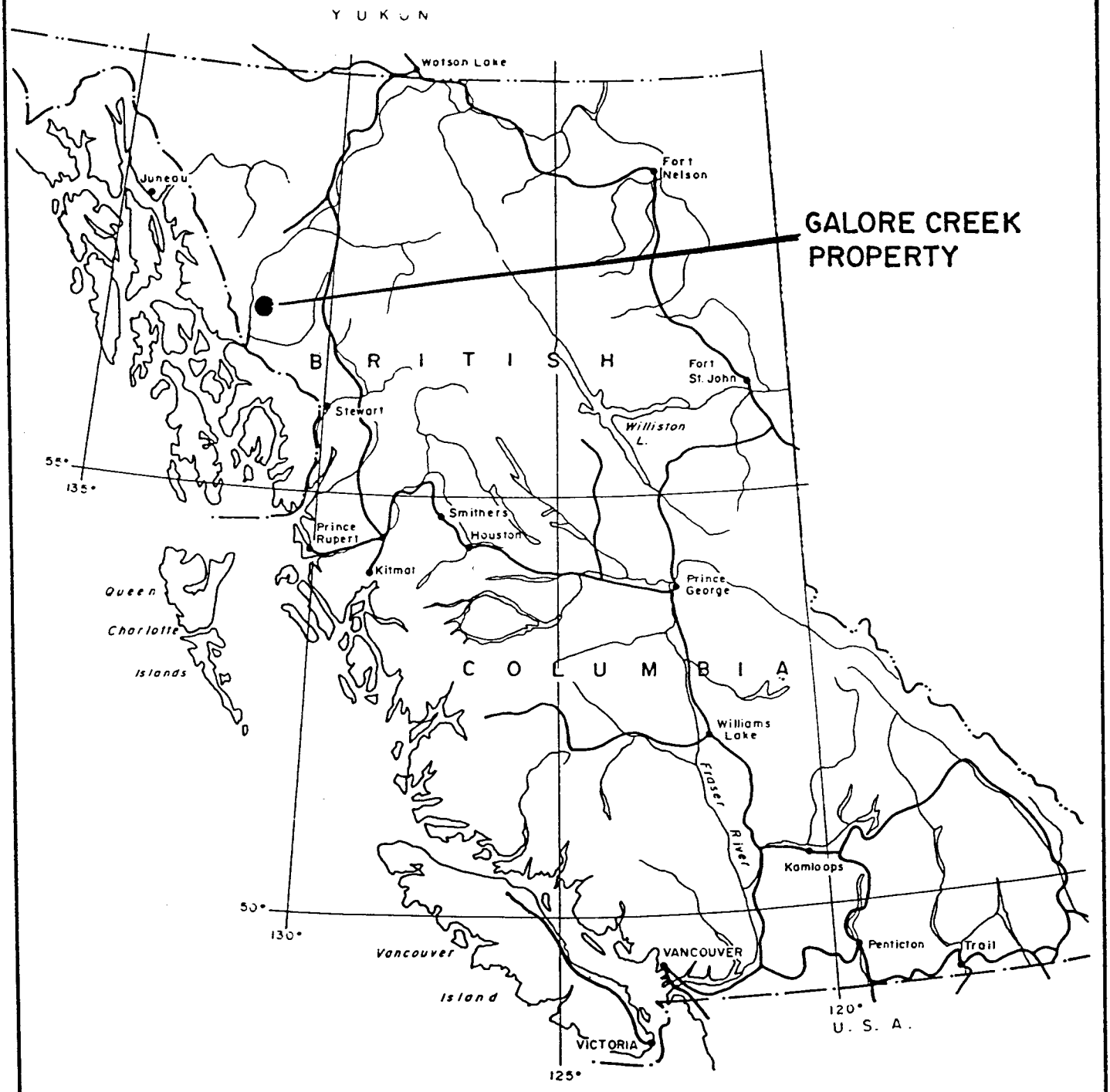
The report which follows describes the geochemical, geophysical and trenching program carried out by Mingold Resources Inc. personnel from July 15 to August 7 and September 1-10, 1989. The report combines assessment for all 291 two-post claims which are divided into three groups (Galore Creek Group I, II and III). The assessment for each group is further subdivided into claims with anniversary dates of September through November (1989 assessment) and April through August (1990 assessment). All work done after September 1, 1989 is being applied toward 1990 assessment on the April August claims. Refer to the "Claims & Ownership" section for clarification of the above.

The 1989 program on Galore Creek consisted of two separate phases of work. The first phase was mainly a reconnaissance geochemical evaluation of the Galore Creek property targeted at locating higher grade gold mineralization within the porphyry copper environment. During this phase a total of 126 rocks, 150 silts and 266 soils were collected and 4.88 km of VLF-EM surveying was carried out. The second phase of the program consisted mainly of follow up of anomalies obtained in the first phase. During this phase a total of 84 rocks, 7 silts and 463 soils were collected and 6.55 km of VLF-EM surveying was carried out. This information is broken down in Table 1 below:

Table 1: Breakdown of Geochem and Geophysics

Year Assess. Applied For	Group II	ROCKS		Silts	Soils	VLF-EM (km)
		Chips	Channels			
1989	I	48	0	67	12	0.30
	II	36	0	51	107	2.75
	III	30	12	32	147	1.83
1990	I	21	33	6	153	4.30
	II	0	0	1	106	0
	III	9	21	0	204	2.25

In addition, four man days of trenching (Gp III) were done in the first phase and two man days (1-Gp I, 1 - Gp III) in the second phase.



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STIKINE COPPER LTD.

GALORE CREEK PROPERTY
LOCATION MAP

N.T.S. 104G-3 — GALORE CREEK, LIARD M.D., B.C.

DRAWN BY: K.T.	DATE: NOV. 1989	SCALE 1:7,500,000
	0 150 300KM.	PLATE Nº. GC-89-1

Location, Access & Climate

The Galore Creek property of Stikine Copper Ltd. is situated in a basin at the headwaters of Galore Creek, a tributary of the Scud River, in the northwestern part of British Columbia. The property is centred at latitude 57° 07' 30" N and longitude 131° 27' W (see Fig. GC-89-1). The claims occur within the Liard Mining Division and extend across the boundary between N.T.S. mapsheets 104 G/3 and 104 G/4.

The property is approximately 355 kilometres northwest of Smithers, B.C. which is the major supply centre for the area. Central Mountain Air in 1989 operated a schedule fixed-wing service form Smithers to the Bronson Airstrip which is 55 kilometres southeast of the property. In addition, a turbine-equipped Otter aircraft made trips to the Galore Creek Airstrip when warranted. In 1989, helicopters were available on a casual basis from Bronson Airstrip (55 km), Telegraph Creek (90 km) and for a limited period at Galore Creek itself.

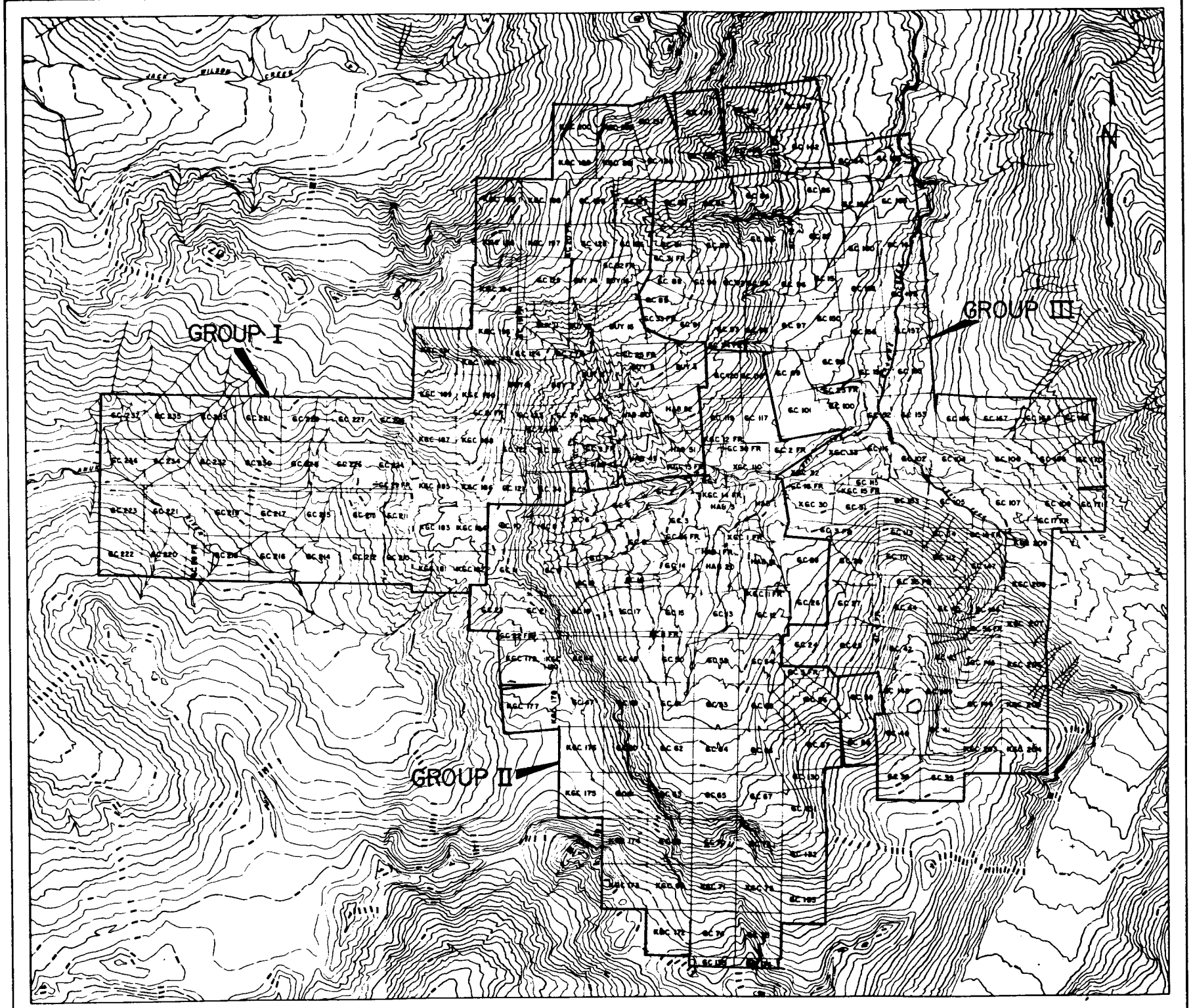
A private road was constructed by Stikine Copper Ltd. from the Scud Airstrip, at the junction of the Scud and Stikine Rivers, to the Galore Creek camp in the early 1960's. At that time, it was anticipated that production from the Galore Creek copper deposits was imminent. As it turned out, the only use of the road was for transporting several pieces of heavy duty equipment (primarily used for constructing the road). With years of lack of use, the road has overgrown with alders and the bridges have collapsed.

In 1989, the old road between the Galore Creek (Portal) Airstrip and the camp was upgraded to a useable condition for four-wheel drive vehicles. This permitted the transport of passengers and supplies by truck instead of by helicopter to and from camp.

The camp is located on the eastern side of the Galore creek valley at an elevation of approximately 760 meters above sea level. Elevations within the property boundary vary from a low of 550 meters in Galore Creek to over 1800 meters on the slopes of Saddlehorn Mountain.

Snow pack in the area is unusually heavy for northern B.C. with peak levels of 5 meters or more being typical. Snow-free conditions below the 1200 meter elevation are restricted to mid-June to late-September with air temperatures remaining relatively cool throughout the summer.

Vegetation is generally quite dense within the Galore Creek valley, consisting of mature stands of pine, spruce and cottonwood at lower elevations and passes into scrub evergreens up to treeline at 1200 meters. Underbrush of alder, willow and devil's club is extremely thick and in combination with the deeply incised creek gullies makes traversing arduous.



STIKINE COPPER LIMITED
GALORE CREEK PROPERTY
Galore Creek, British Columbia
CLAIM GROUPING

Date: Nov. 1989 Plate No. GC 89-2
SCALE
0 5 10 15 KM.

Claims & Ownership

The Galore Creek property consists of 252 claims and 39 fractions for a total of 291 two-post claims. These claims are wholly owned by Stikine Copper Ltd. which is controlled by Kennco (Stikine) Mining Ltd. (59%), Hudson Bay Mining and Smelting Co. Ltd. (36%) and Cominco Ltd. (5%). In 1989, Mingold Resources Ltd. entered into an option agreement with Hudson Bay Mining to explore the gold potential of the Galore Creek area.

For assessment purposes, the claims have been divided into three groups, Galore Creek Group I, II and III, consisting of 99, 92 and 100 claims respectively. Each group has been further subdivided into two sets depending on whether the claim anniversary date is before or after September 1 of the current calendar year. All claims with anniversary dates after September 1 can have assessment applied for the current year (1989) while those with anniversary dates before September 1 have to be filed for the following year (1990). A complete listing of the claims under each group subdivided into the year for which assessment is being applied is shown in Table 2.

TABLE 2

GALORE CREEK GROUP I CLAIMS

(1989 ASSESSMENT)

CLAIM NAME	RECORD NO.	No. OF UNITS	CURRENT EXPIRY DATE	NEW EXPIRY DATE
HAB 47	3792	1	October 11/90	October 11/91
HAB 48	3793	1	October 11/90	October 11/91
HAB 49	3794	1	October 11/90	October 11/91
HAB 50	3795	1	October 11/90	October 11/91
HAB 51	3796	1	October 11/90	October 11/91
HAB 52	3797	1	October 11/90	October 11/91
GC 34	8676	1	September 21/90	September 21/91
GC 36	8678	1	September 21/90	September 21/91
GC 37	8679	1	September 21/90	September 21/91
GC 79	8786	1	October 24/90	October 24/91
GC 121	9618	1	September 5/90	September 5/91
GC 122	9619	1	September 5/90	September 5/91
GC 123	9620	1	September 5/90	September 5/91
GC 124	9621	1	September 5/90	September 5/91
GC 125	9622	1	September 5/90	September 5/91
GC 126	9623	1	September 5/90	September 5/91
GC 127	9624	1	September 5/90	September 5/91
GC 128	9625	1	September 5/90	September 5/91
GC 129	9626	1	September 5/90	September 5/91
GC 136	9633	1	September 5/90	September 5/91
GC 137	9634	1	September 5/90	September 5/91
GC 138	9635	1	September 5/90	September 5/91
GC 139	9636	1	September 5/90	September 5/91
GC 140	9637	1	September 5/90	September 5/91
GC 141	9638	1	September 5/90	September 5/91
GC 142	9639	1	September 5/90	September 5/91
GC 143	9640	1	September 5/90	September 5/91
KENNCO GC 181	12184	1	October 9/90	October 9/92
KENNCO GC 182	12185	1	October 9/90	October 9/92
KENNCO GC 183	12186	1	October 9/90	October 9/91
KENNCO GC 184	12187	1	October 9/90	October 9/91
KENNCO GC 185	12188	1	October 9/90	October 9/91
KENNCO GC 186	12189	1	October 9/90	October 9/91
KENNCO GC 187	12190	1	October 9/90	October 9/91
KENNCO GC 188	12191	1	October 9/90	October 9/91
KENNCO GC 189	12192	1	October 9/90	October 9/91
KENNCO GC 190	12193	1	October 9/90	October 9/91
KENNCO GC 191	12194	1	October 9/90	October 9/91
KENNCO GC 192	12195	1	October 9/90	October 9/91
KENNCO GC 193	12196	1	October 9/90	October 9/91
KENNCO GC 194	12197	1	October 9/90	October 9/91

TABLE 2

GALORE CREEK GROUP I CLAIMS

(1989 ASSESSMENT)

CLAIM NAME	RECORD NO.	No. OF UNITS	CURRENT EXPIRY DATE	NEW EXPIRY DATE
KENNCO GC 195	12198	1	October 9/90	October 9/91
KENNCO GC 196	12199	1	October 9/90	October 9/91
KENNCO GC 197	12200	1	October 9/90	October 9/91
KENNCO GC 198	12201	1	October 9/90	October 9/91
KENNCO GC 199	12202	1	October 9/90	October 9/91
KENNCO GC 200	12203	1	October 9/90	October 9/91
KENNCO GC 201	12204	1	October 9/90	October 9/91
KENNCO GC 202	12205	1	October 9/90	October 9/91
FRACTIONS				
GC 7 FR	11003	1	September 10/90	September 10/91
GC 9 FR	11005	1	September 10/90	September 10/91
GC 19 FR	15982	1	October 30/90	October 30/91
GC 20 FR	15983	1	October 30/90	October 30/91
GC 21 FR	15984	1	October 30/90	October 30/91
GC 24 FR	15987	1	October 30/90	October 30/91
GC 25 FR	15988	1	October 30/90	October 30/91
GC 27 FR	16184	1	November 17/90	November 17/91
GC 28 FR	15990	1	October 30/90	October 30/91
GC 29 FR	15991	1	October 30/90	October 30/91
GC 32 FR	16235	1	November 23/90	November 23/91
GC 33 FR	16236	1	November 23/90	November 23/91
TOTAL		61		

TABLE 2

GALORE CREEK GROUP II CLAIMS

(1989 ASSESSMENT)

CLAIM NAME	RECORD NO.	No. OF UNITS	CURRENT EXPIRY DATE	NEW EXPIRY DATE
HAB 1	3760	1	October 11/90	October 11/91
HAB 3	3762	1	October 11/90	October 11/91
HAB 18	3777	1	October 11/90	October 11/91
HAB 20	3779	1	October 11/90	October 11/91
GC 1	8643	1	September 21/90	September 21/91
GC 2	8644	1	September 21/90	September 21/91
GC 3	8645	1	September 21/90	September 21/91
GC 4	8646	1	September 21/90	September 21/91
GC 5	8647	1	September 21/90	September 21/91
GC 6	8648	1	September 21/90	September 21/91
GC 7	8649	1	September 21/90	September 21/91
GC 8	8650	1	September 21/90	September 21/91
GC 9	8651	1	September 21/90	September 21/91
GC 10	8652	1	September 21/90	September 21/91
GC 11	8653	1	September 21/90	September 21/91
GC 12	8654	1	September 21/90	September 21/91
GC 13	8655	1	September 21/90	September 21/91
GC 14	8656	1	September 21/90	September 21/91
GC 15	8657	1	September 21/90	September 21/91
GC 16	8658	1	September 21/90	September 21/91
GC 17	8659	1	September 21/90	September 21/91
GC 18	8660	1	September 21/90	September 21/91
GC 19	8661	1	September 21/90	September 21/91
GC 21	8663	1	September 21/90	September 21/91
GC 23	8665	1	September 21/90	September 21/91
GC 26	8668	1	September 21/90	September 21/91
GC 28	8670	1	September 21/90	September 21/91
GC 35	8677	1	September 21/90	September 21/91
GC 46	8688	1	September 21/90	September 21/91
GC 47	8689	1	September 21/90	September 21/91
GC 48	8690	1	September 21/90	September 21/91
GC 49	8691	1	September 21/90	September 21/91
GC 50	8692	1	September 21/90	September 21/91
GC 51	8693	1	September 21/90	September 21/91
GC 52	8694	1	September 21/90	September 21/91
GC 53	8695	1	September 21/90	September 21/91
GC 54	8696	1	September 21/90	September 21/91
GC 55	8697	1	September 21/90	September 21/91
GC 56	8698	1	September 21/90	September 21/91
GC 57	8699	1	September 21/90	September 21/91
GC 58	8700	1	September 21/90	September 21/91

TABLE 2

GALORE CREEK GROUP II CLAIMS

(1989 ASSESSMENT)

CLAIM NAME	RECORD NO.	No. OF UNITS	CURRENT EXPIRY DATE	NEW EXPIRY DATE
GC 59	8701	1	September 21/90	September 21/91
GC 60	8702	1	September 21/90	September 21/91
GC 61	8703	1	September 21/90	September 21/91
GC 62	8704	1	September 21/90	September 21/91
GC 63	8705	1	September 21/90	September 21/91
GC 64	8706	1	September 21/90	September 21/91
GC 65	8707	1	September 21/90	September 21/91
GC 66	8708	1	September 21/90	September 21/91
GC 67	8709	1	September 21/90	September 21/91
GC 68	8710	1	September 21/90	September 21/91
XGC 69	14899	1	September 4/90	September 4/91
GC 70	8712	1	September 21/90	September 21/91
XGC 71	14900	1	September 4/90	September 4/91
GC 72	8714	1	September 21/90	September 21/91
XGC 73	14901	1	September 4/90	September 4/91
GC 74	8716	1	September 21/90	September 21/91
GC 75	8717	1	September 21/90	September 21/91
XGC 110	14902	1	September 4/90	September 4/91
GC 117	9614	1	September 5/90	September 5/91
GC 118	9615	1	September 5/90	September 5/91
GC 119	9616	1	September 5/90	September 5/91
GC 120	9617	1	September 5/90	September 5/91
GC 130	9627	1	September 5/90	September 5/91
GC 131	9628	1	September 5/90	September 5/91
GC 132	9629	1	September 5/90	September 5/91
GC 133	9630	1	September 5/90	September 5/91
GC 134	9631	1	September 5/90	September 5/91
GC 135	9632	1	September 5/90	September 5/91
KENNCO GC 172	12175	1	October 9/90	October 9/91
KENNCO GC 173	12176	1	October 9/90	October 9/91
KENNCO GC 174	12177	1	October 9/90	October 9/91
KENNCO GC 175	12178	1	October 9/90	October 9/91
KENNCO GC 176	12179	1	October 9/90	October 9/91
KENNCO GC 177	12180	1	October 9/90	October 9/91
KENNCO GC 178	12181	1	October 9/90	October 9/91
KENNCO GC 179	12182	1	October 9/90	October 9/91
KENNCO GC 180	12183	1	October 9/90	October 9/91

TABLE 2

GALORE CREEK GROUP II CLAIMS

(1989 ASSESSMENT)

CLAIM NAME	RECORD NO.	No. OF UNITS	CURRENT EXPIRY DATE	NEW EXPIRY DATE
FRACTIONS				
XGC 1 FR	14893	1	September 21/91	September 21/92
GC 2 FR	9606	1	September 5/90	September 5/91
GC 8 FR	11004	1	September 10/90	September 10/91
GC 18 FR	15981	1	October 30/90	October 30/91
GC 22 FR	15985	1	October 30/90	October 30/91
GC 26 FR	15989	1	October 30/90	October 30/91
GC 30 FR	16233	1	November 23/90	November 23/91
GC 34 FR	16237	1	November 23/90	November 23/91
TOTAL		86		

TABLE 2

GALORE CREEK GROUP III CLAIMS
(1989 ASSESSMENT)

CLAIM NAME	RECORD NO.	No. OF UNITS	CURRENT EXPIRY DATE	NEW EXPIRY DATE
GC 24	8666	1	September 21/90	September 21/91
GC 25	8667	1	September 21/90	September 21/91
GC 27	8669	1	September 21/90	September 21/91
GC 29	8671	1	September 21/90	September 21/91
XGC 30	14896	1	September 4/90	September 4/91
GC 31	8673	1	September 21/90	September 21/91
XGC 32	14897	1	September 4/90	September 4/91
XGC 33	14898	1	September 4/90	September 4/91
GC 38	8680	1	September 21/90	September 21/91
GC 39	8681	1	September 21/90	September 21/91
GC 40	8682	1	September 21/90	September 21/91
GC 41	8683	1	September 21/90	September 21/91
GC 42	8684	1	September 21/90	September 21/91
GC 43	8685	1	September 21/90	September 21/91
GC 44	8686	1	September 21/90	September 21/91
GC 45	8687	1	September 21/90	September 21/91
GC 80	8806	1	November 3/90	November 3/91
GC 81	8807	1	November 3/90	November 3/91
GC 82	8808	1	November 3/90	November 3/91
GC 83	8809	1	November 3/90	November 3/91
GC 84	8810	1	November 3/90	November 3/91
GC 85	8811	1	November 3/90	November 3/91
GC 86	8812	1	November 3/90	November 3/91
GC 87	8813	1	November 3/90	November 3/91
GC 88	8814	1	November 3/90	November 3/91
GC 89	8815	1	November 3/90	November 3/91
GC 90	8816	1	November 3/90	November 3/91
GC 91	8817	1	November 3/90	November 3/91
GC 92	8818	1	November 3/90	November 3/91
GC 93	8819	1	November 3/90	November 3/91
GC 94	8820	1	November 3/90	November 3/91
GC 95	8821	1	November 3/90	November 3/91
GC 96	8822	1	November 3/90	November 3/91
GC 97	8823	1	November 3/90	November 3/91

TABLE 2

GALORE CREEK GROUP III CLAIMS
(1989 ASSESSMENT)

CLAIM NAME	RECORD NO.	No. OF UNITS	CURRENT EXPIRY DATE	NEW EXPIRY DATE
GC 98	8824	1	November 3/90	November 3/91
GC 99	8825	1	November 3/90	November 3/91
GC100	8826	1	November 3/90	November 3/91
GC 101	8827	1	November 3/91	November 3/92
GC 102	8828	1	November 3/90	November 3/91
GC 103	8829	1	November 3/90	November 3/91
GC 104	8830	1	November 3/90	November 3/91
GC 105	8831	1	November 3/90	November 3/91
GC 106	8832	1	November 3/90	November 3/91
GC 107	8833	1	November 3/90	November 3/91
GC 108	8834	1	November 3/90	November 3/91
GC 109	8835	1	November 3/90	November 3/91
GC 111	9608	1	September 5/90	September 5/91
GC 112	9609	1	September 5/90	September 5/91
GC 113	9610	1	September 5/90	September 5/91
GC 114	9611	1	September 5/90	September 5/91
GC 115	9612	1	September 5/90	September 5/91
GC 116	9613	1	September 5/90	September 5/91
GC 144	9641	1	September 5/90	September 5/91
GC 145	9642	1	September 5/90	September 5/91
GC 146	9643	1	September 5/90	September 5/91
GC 147	9644	1	September 5/90	September 5/91
GC 148	9645	1	September 5/90	September 5/91
GC 149	9646	1	September 5/90	September 5/91
GC 150	10192	1	November 7/90	November 7/91
GC 151	10193	1	November 7/90	November 7/91
GC 152	10194	1	November 7/90	November 7/91
GC 153	10195	1	November 7/90	November 7/91
GC 154	10196	1	November 7/90	November 7/91
GC 155	10197	1	November 7/90	November 7/91
GC 156	10198	1	November 7/90	November 7/91
GC 157	10199	1	November 7/90	November 7/91
GC 158	10200	1	November 7/90	November 7/91
GC 159	10201	1	November 7/90	November 7/91

TABLE 2

GALORE CREEK GROUP III CLAIMS
(1989 ASSESSMENT)

CLAIM NAME	RECORD NO.	No. OF UNITS	CURRENT EXPIRY DATE	NEW EXPIRY DATE
GC 160	10202	1	November 7/90	November 7/91
GC 161	10203	1	November 7/90	November 7/91
GC 162	10204	1	November 7/90	November 7/91
GC 163	10205	1	November 7/90	November 7/91
GC 164	10206	1	November 7/90	November 7/91
GC 165	10207	1	November 7/90	November 7/91
KENNCO GC 203	12206	1	October 9/90	October 9/92
KENNCO GC 204	12207	1	October 9/90	October 9/92
KENNCO GC 205	12208	1	October 9/90	October 9/92
KENNCO GC 206	12209	1	October 9/90	October 9/92
KENNCO GC 207	12210	1	October 9/90	October 9/92
KENNCO GC 208	12211	1	October 9/90	October 9/92
KENNCO GC 209	12212	1	October 9/90	October 9/92
FRACTIONS				
GC 10 FR	11006	1	September 10/90	September 10/91
GC 16 FR	14894	1	September 4/90	September 4/91
GC 17 FR	14895	1	September 4/90	September 4/91
GC 23 FR	15986	1	October 30/90	October 30/91
GC 31 FR	16234	1	November 23/90	November 23/91
GC 35 FR	16238	1	November 23/90	November 23/91
GC 36 FR	16239	1	November 23/90	November 23/91
S.K. 3 FR	24745	1	September 12/90	September 12/91
TOTAL		**89**		

TABLE 2

GALORE CREEK GROUP I CLAIMS
(1990 ASSESSMENT)

CLAIM NAME	RECORD NO.	No. OF UNITS	CURRENT EXPIRY DATE	NEW EXPIRY DATE
BUY 4	4489	1	AUG. 8/90	AUG. 8/91
BUY 5	4490	1	AUG. 8/90	AUG. 8/91
BUY 6	4491	1	AUG. 8/90	AUG. 8/91
BUY 7	4492	1	AUG. 8/90	AUG. 8/91
BUY 8	4493	1	AUG. 8/90	AUG. 8/91
BUY 11	4504	1	AUG. 13/90	AUG. 13/91
BUY 13	4506	1	AUG. 13/90	AUG. 13/91
BUY 14	4507	1	AUG. 13/90	AUG. 13/91
BUY 15	4508	1	AUG. 13/90	AUG. 13/91
BUY 16	4509	1	AUG. 13/90	AUG. 13/91
GC 210	13444	1	APR. 2/90	APR. 2/91
GC 211	13445	1	APR. 2/90	APR. 2/91
GC 212	13446	1	APR. 2/90	APR. 2/91
GC 213	134447	1	APR. 2/90	APR. 2/91
GC 214	13448	1	APR. 2/90	APR. 2/91
GC 215	13449	1	APR. 2/90	APR. 2/91
GC 216	13450	1	APR. 2/90	APR. 2/91
GC 217	13451	1	APR. 2/90	APR. 2/91
GC 218	13452	1	APR. 2/90	APR. 2/91
GC 219	13453	1	APR. 2/90	APR. 2/91
GC 220	13454	1	APR. 2/90	APR. 2/91
GC 221	13455	1	APR. 2/90	APR. 2/91
GC 222	13456	1	APR. 2/90	APR. 2/91
GC 223	13457	1	APR. 2/90	APR. 2/91
GC 224	13458	1	APR. 2/90	APR. 2/91
GC 225	13571	1	APR. 6/90	APR. 6/91
GC 226	13572	1	APR. 6/90	APR. 6/91
GC 227	13573	1	APR. 6/90	APR. 6/91
GC 228	13574	1	APR. 6/90	APR. 6/91
GC 229	13575	1	APR. 6/90	APR. 6/91
GC 230	13576	1	APR. 6/90	APR. 6/91
GC 231	13577	1	APR. 6/90	APR. 6/91
GC 232	13578	1	APR. 6/90	APR. 6/91
GC 233	13579	1	APR. 6/90	APR. 6/91

TABLE 2

GALORE CREEK GROUP I CLAIMS
(1990 ASSESSMENT)

CLAIM NAME	RECORD NO.	No. OF UNITS	CURRENT EXPIRY DATE	NEW EXPIRY DATE
GC 234	13580	1	APR. 6/90	APR. 6/91
GC 235	13581	1	APR. 6/90	APR. 6/91
GC 236	13582	1	APR. 6/90	APR. 6/91
GC 237	13583	1	APR. 6/90	APR. 6/91
TOTAL		38		

TABLE 2

GALORE CREEK GROUP II CLAIMS
(1990 ASSESSMENT)

CLAIM NAME	RECORD NO.	No. OF UNITS	CURRENT EXPIRY DATE	NEW EXPIRY DATE
HAB 1 FR	9655	1	AUG. 16/90	AUG. 16/93
GC 5 FR	10857	1	AUG. 6/90	AUG. 6/93
KGC 11 FR	11972	1	AUG. 29/90	AUG. 29/93
GC 12 FR	11973	1	AUG. 29/90	AUG. 29/93
GC 13 FR	11974	1	AUG. 29/90	AUG. 29/93
GC 14 FR	11975	1	AUG. 29/90	AUG. 29/93
TOTAL		6		

TABLE 2

GALORE CREEK GROUP III CLAIMS
(1990 ASSESSMENT)

CLAIM NAME	RECORD NO.	No. OF UNITS	CURRENT EXPIRY DATE	NEW EXPIRY DATE
GC 166	10849	1	AUG. 6/90	AUG. 6/94
GC 167	10850	1	AUG. 6/90	AUG. 6/94
GC 168	10851	1	AUG. 6/90	AUG. 6/94
GC 169	10852	1	AUG. 6/90	AUG. 6/94
GC 170	10853	1	AUG. 6/90	AUG. 6/94
GC 171	10854	1	AUG. 6/90	AUG. 6/94
FRACTIONS				
GC 3 FR	10855	1	AUG. 6/90	AUG. 6/94
GC 6 FR	10858	1	AUG. 6/90	AUG. 6/94
KGC 15 FR	11976	1	AUG. 29/90	AUG. 29/94
S.K. 1 FR	22739	1	JUNE 2/90	JUNE 2/94
S.K. 2 FR	22740	1	JUNE 2/90	JUNE 2/94
TOTAL		**11**		

History

Copper deposits were first discovered in the Galore Creek valley in 1955 by prospectors working for Hudson Bay Exploration and Development Co. Ltd. Staking and sampling was completed in the same year. In 1956, mapping, trenching and diamond drilling were carried out. Due to the remoteness of the area and higher priorities for expenditures elsewhere, no further work was undertaken and all but 16 claims were allowed to lapse.

In 1959, Kennco Exploration sampled the creeks in the area as part of a reconnaissance stream silt survey. Kennco began staking the resulting highly anomalous copper in the headwaters of Galore Creek in 1960. The claims surrounded the remaining H.B.E.D. ground as well as four claims which had been optioned by Cominco from one of the original prospectors. In 1962, the three companies agreed to jointly develop the property and subsequently in 1963 Stikine Copper Ltd. was formed.

Kennco was the operator of the exploration programs until early 1967. Work included 53,164 meters of diamond drilling in 235 holes and 807 meters of tunnelling in two adits. The Central Zone which occupies the valley bottom of Galore Creek became the main focus of exploration. No exploration work was carried out from 1968 to 1972.

In 1972, Hudson Bay Mining and Smelting became operator of the property and in 1972 and 1973 an additional 25,352 meters of diamond drilling was completed in 111 holes. This work focused exclusively on blocking out reserves on the Central and North Junction Zones.

In 1974, Wright Engineers undertook a feasibility study on the Galore Creek property and came out with a mining plan for the property.

Hudson Bay continued fill-in drilling in 1976, completing an additional 5,310 meters of diamond drilling in 24 holes.

Due to the enormous costs involved in bringing a deposit in this area into production the project has remained on hold until the present.

In 1989, Mingold Resources Inc. took an option on the property with the purpose of investigating the gold potential associated with the porphyry system. Although it was previously known that the gold content in the Galore Creek copper deposits was unusually high for a porphyry, the main focus of previous exploration was to delineate the copper reserves. Mingold, on the other hand, was interested in developing high grade gold deposits within or peripheral to the copper mineralization. The work carried out in this regard is embodied in this report.

Geology

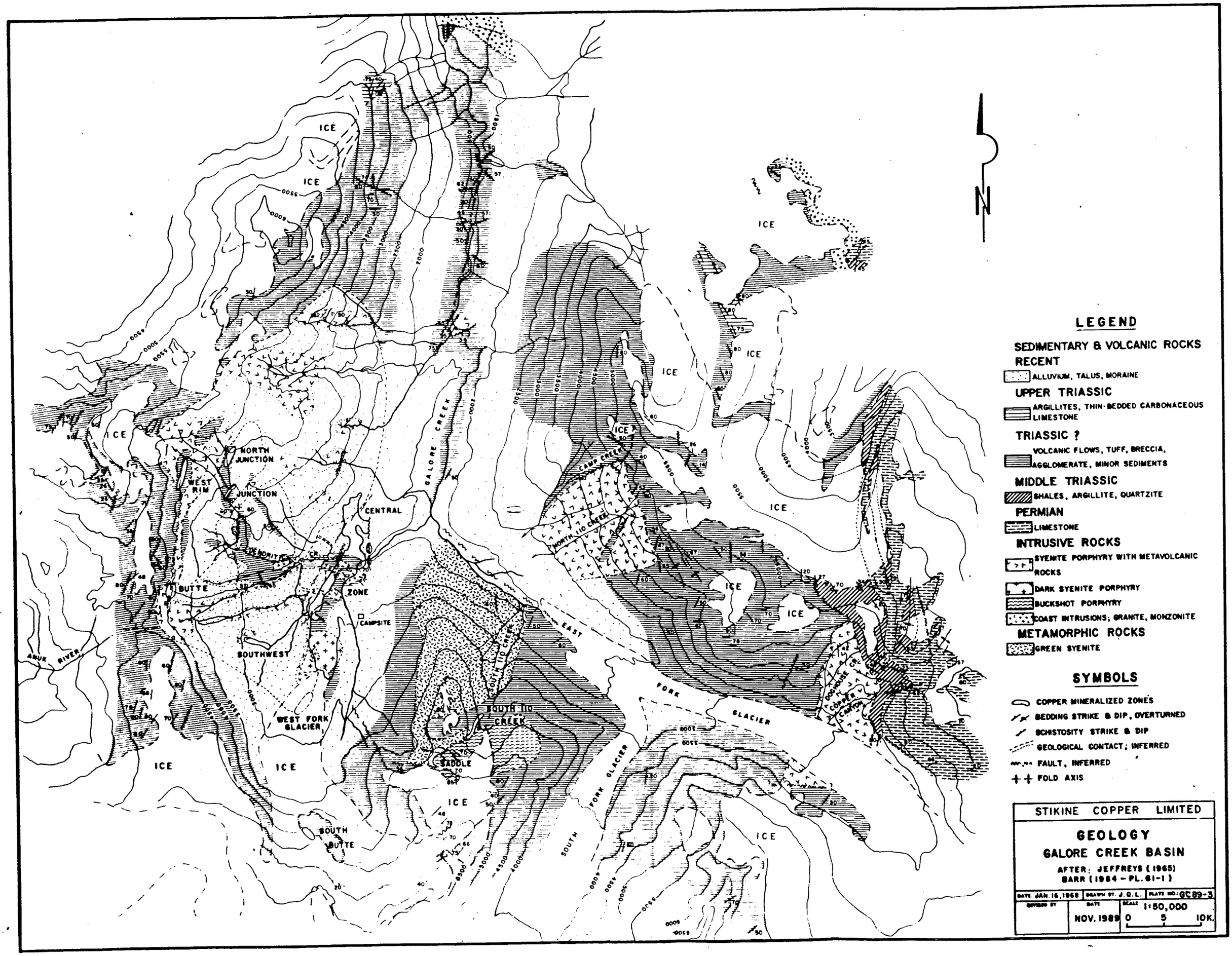
The Galore Creek deposits are situated on the western margin of the Intermontane Belt, just east of the Coast Plutonic Complex. The area contains three major lithologic units: Palaeozoic and Middle Triassic metamorphic rocks; Upper Triassic volcanic and sedimentary rocks; and intrusive rocks of various ages and types. The later two units are of prime concern in the vicinity of the copper deposits. (see GC-89-3)

The Upper Triassic rocks, within the Galore Creek valley, are primarily volcanics with sediments only forming a minor component. The volcanics include pyroclastic and intrusive breccias, trachyte flows, lithic tuff, crystal tuff and pyroxene andesites. Most of the rocks have undergone moderate to intense contact metamorphism from later syenitic intrusive events. The effects of this metamorphism have been "skarnification" and "hornfelsing" of many of the rocks to an extent where the original lithologies are often uncertain. In addition, at the contacts with the intrusive rock, considerable assimilation and granitization of the volcanics has occurred resulting in hybrid porphyritic rocks which are difficult to distinguish as either volcanic or intrusive in origin. Nomenclature of the rocks has therefore been based upon the minerals present and their relative amounts.

The intrusive rocks vary considerably in composition, texture, color and age. Syenitic intrusive rocks are the most important, both volumetrically and economically. These rocks have been divided into four main rock types which in order of introduction are dark syenite porphyry, garnet syenite megaporphyry, fine-grained syenite porphyry and epidote syenite porphyry. On the detailed level, many subdivisions of each type are possible however in order to allow some form of geological interpretation on a property basis these major divisions have been adopted. The age of the intrusive rocks varies from Upper Triassic to Lower Cretaceous with the syenites being Upper Triassic to Lower Jurassic.

Known copper mineralization occurs in ten incompletely defined deposits as well as numerous erratic high-grade pods and low-grade showings. The deposits occur largely within feldspathized and biotite altered volcanic rocks and pipe-like breccias associated with alkalic (viz. syenitic) intrusive dykes and stocks. The deposits are tabular to manto-shaped and most have a north to northeast orientation parallel to the syenite contacts and structural trend of the area. Gold is generally associated with the higher grade copper mineralization although many areas of high copper lack appreciable gold. Because earlier exploration treated gold (and silver) as only by-product credits to the copper mineralization, assays were done by compositing the pulps within selected sections (0.4% Cu) of the drill holes. This approach resulted in gross representation of the gold distribution within the copper zones but failed to property evaluate the higher grade gold potential of the area.

Ore reserves estimates taken from the latest HBMS reports (Freberg, 1974, Walker, 1977) are as follows:


ICE
ICE
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ICE
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NORTH JUNCTION
WEST RIM
JUNCTION
CENTRAL
BUTTE
ZONE
CAMPSITE
SOUTHWEST
WEST FORK GLACIER
ANUK RIVER
GALORE CREEK
CAMP CREEK
NORTH TIO CREEK
SOUTH TIO CREEK
SOUTH TIO CREEK
SADDLE
SOUTH BUTTE
EAST FORK GLACIER
SOUTH FORK GLACIER
DOGHOUSE CR.
COPPER CANYON
N
LEGEND
SEDIMENTARY & VOLCANIC ROCKS
RECENT
ALLUVIUM, TALUS, MORAINE
UPPER TRIASSIC
ARGILLITES, THIN-BEDDED CARBONACEOUS LIMESTONE
TRIASSIC ?
VOLCANIC FLOWS, TUFF, BRECCIA, AGGLOMERATE, MINOR SEDIMENTS
MIDDLE TRIASSIC
SHALES, ARGILLITE, QUARTZITE
PERMIAN
LIMESTONE
INTRUSIVE ROCKS
SYENITE PORPHYRY WITH METAVOLCANIC ROCKS
DARK SYENITE PORPHYRY
BUCKSHOT PORPHYRY
COAST INTRUSIONS; GRANITE, MONZONITE
METAMORPHIC ROCKS
GREEN SYENITE
SYMBOLS
COPPER MINERALIZED ZONES
BEDDING STRIKE & DIP, OVERTURNED
SCHISTOSITY STRIKE & DIP
GEOLOGICAL CONTACT; INFERRED
FAULT, INFERRED
FOLD AXIS
STIKINE COPPER LIMITED
GEOLOGY
GALORE CREEK BASIN
AFTER: JEFFREYS (1965)
BARR (1964 - PL. 61-1)
DATE: JAN. 16, 1968
DRAWN BY: J.Q.L.
PLATE NO.: GC89-3
REVISED BY
DATE
NOV. 1989
SCALE 1:50,000
0 5 10K.

Central Zone (0.4% Cu cutoff) 159.7 million tonnes of 0.93% Cu, 0.38 g/mt. Au

North Junction Zone (1% Cu cutoff) 4.8 million tonnes of 2.00% Cu, 0.75 g/mt. Au

The satellite deposits have had too little work to calculate a satisfactory reserve figure.

Geochemistry

Geochemical sampling, in the form of stream silts, soils and rocks, formed the bulk of the 1989 work program at Galore Creek. Total samples collected amounted to 1,030 samples which break down as follows: 210 rocks, 157 silts and 729 soils. Each sample type is covered separately in the appropriate sections below.

The location of all the silt and rock chip samples are shown on Fig. GC-89-4. The location of the soil and trench channel samples are shown on detailed maps referred to on this same figure.

Sample Preparation and Analytical Technique

The field sampling technique is unique to each type of sample involved and is described under the respective sections below. The sample preparation described under this section pertains only to Coastech Lab's handling of the samples once they are received from the field.

All soil and silt samples are dried at 90°C and then screened to -80 mesh and mixed. Rock samples are dried at 105°C, crushed to 1/8" (5 mm) size and split in a Gilson riffle to a 250 gram sample. This portion is then pulverized to -100 mesh in a ring grinder and mixed. The prepared soil, silt and rock samples are then assayed using two different analytical techniques – one for gold and the other for all other elements.

The analytical technique for all gold assays involved fusing a 30 gram sample with a PbO flux. The resulting cupelled beads are parted with HNO_3. If less than 0.35 mg of gold is present the separated bead is put into an aqua regia solution and analyzed by A.A. If more than 0.35 mg. of gold is present then the separated bead is weighed by conventional gravimetric methods. A control and blank sample are run with each fusion.

For elements other than gold, a 0.5 gram sample is digested with 5 ml. of $HN0_3$ on a hot water bath for one hour. 10 ml of HCl is then added and digestion continues for another two hours. The solution is then allowed to cool, diluted to 25 ml with distilled water and analyzed on a standard ICP unit. Each run contains a known control sample.

Silt Sampling

Silt samples were taken systematically down all the major creeks within the Galore Creek Valley. Lack of silt in some of the steeper areas hindered sampling although generally an adequate sample density was maintained to properly evaluate the area. Sufficient silt was collected from the active part of the stream to fill a gussetted Kraft bag. The samples were then air-dried in camp and then sent to Coastech Labs in Vancouver for analysis.

A total of 157 silts were taken in 1989 and are shown as circles on Figures GC-89-4, 5 and 6. A breakdown of these into the various claim groups and assessment periods is as follows:

	1989 Assessment	1990 Assessment
Group I	67	6
Group II	51	1
Group III	32	0
TOTAL	**150**	**7**

On the sample maps the assessment periods are shown as an open circle for 1989 and a solid circle for 1990.

Soil Sampling

Soil sample grids were set up in areas where rock sampling indicated anomalous gold values or where insufficient streams were present to adequately evaluate an area (eg. Southwest Zone Grid). The area of these soil grids is indicated on the main sample location map (Fig. GC-89-4). A detailed (1:5000) sample location map indicates the sample numbers of each soil series for the respective soil grid. The grids include the North Rim - DDH 128 Grid (Fig. GC-89-7,8,9), the Southwest Zone Grid (Fig. GC-89-10, 11, 12), the Camp IP Soils (Fig. GC-89-13, 14, 15), the Saddle Creek soils (Fig. GC-89-16, 17, 18) and the Steep Creek Soils (Fig. GC-89-19, 20, 21).

Soils were taken concurrently with establishing the grid lines. Lines were put in using compass and hip-chain with no correction for slope (ie; the reason for variable spacing on the sample stations). In some areas, such as the North Rim – DDH 128 Grid, sufficient magnetite was present in the rocks to significantly affect the compass resulting in diverging and converging lines. Stations were usually put in every 25 meters however in the North Rim – DDH 128 area some 12.5 meters stations were used. Soils were collected from the "B" horizon, where available, using a grubhoe. Sample depths varied from 15 to 30 cm being typically 20 cm.

The soil was placed into a gussetted Kraft bag and then air-dried in camp. Samples were then sent to Coastech Labs in Vancouver for analysis.

A total of 729 soils were collected in 1989. A breakdown of these into the various groups and assessment periods involved is shown below:

	1989 Assessment	1990 Assessment
Group I	12	153
Group II	107	106
Group III	147	204
TOTAL	**266**	**463**

Soils are shown on the maps as a small open circle for 1989 assessment and a small solid circle for 1990 assessment.

Rock Sampling

Rock samples for plotting purposes were divided into three types: rock samples from outcrop, rock samples from float and channel samples from trenches. Rock samples from outcrop and float are shown as triangles and squares respectively on the reconnaissance maps (GC-89-4,5 and 6). The channel samples are described below under "Channel Sampling".

The reconnaissance rocks were either random chip samples or grabs. The random chip samples are taken by randomly breaking off small, equal-sized chips of rock and placing them into a plastic sample bag. They were usually taken where we wanted to check an area of more or less homogeneous rock for mineralization. Grab samples, on the other hand, were taken where interesting mineralization was observed and we wanted to see if it carried significant gold (or copper). A grab sample consisted of a single specimen of rock which was either representative of most of the mineralized rock (representative grab) or focused only on the (presumed) higher grade mineralization (select grab).

A total of 144 reconn. rocks (excludes channels) were collected during the 1989 program. A breakdown of these into the various claim groups and assessment periods is as follows:

	1989 Assessment	1990 Assessment
Group I	48	21
Group II	36	0
Group III	30	9
TOTAL	**114**	**30**

On the sample maps the rocks for 1989 assessment are shown as open triangles or squares while 1990 assessment rocks are solid.

Channel Sampling

Channel samples were taken in the hand-trenches that were put in crosscutting the presumed strike of significant mineralization. Three separate areas of trenching were done; the North Rim Trenches (Fig. GC-89-22), the DDH 128 Trenches (Fig. GC-89-23, 24, 25) and the Saddle Zone Trenches (Fig. GC-89-26). The location of all these trenches is shown on the main sample location map (GC-89-4) and, in the case of the North Rim and DDH 128 trenches, on the 1:5000 soil sample location map (GC-89-7).

Channel samples were taken by continuously chipping out samples of rock along a line such that the width and depth of the resulting channels were equal. The channel was typically 2.5 cm wide by 2.5 cm deep by 1.52 meters long. The length of the channels were sometimes adjusted for changes in lithology but not for assumed grade of mineralization. Samples were placed in large plastic sample bags, tagged and sent to Coastech Labs in Vancouver for analysis.

A total of 66* channel samples were collected in 1989 with the breakdown into claim groups and assessment periods shown below:

	1989 Assessment	1990 Assessment
Group I	0	33
Group II	0	0
Group III	12	21
TOTAL	**12**	**54**

A description of the individual rock samples is included as Appendix IV at the end of the report.

Discussion of Results

Reconnaissance (Fig. GC-89-4,5,6)

The reconnaissance silt sampling was very effective at locating the known copper zones. Using 500 ppm copper as anomalous, virtually all the major zones show up that were sampled. These include the Butte, the Southwest, the Junction, the North Junction, the South 110, the West Rim and West Fork Glacier zones. The only one which was not detected was the Saddle Zone however several samples ran 300

ppm. Several additional areas were also highlighted and in each case could be traced to in-situ copper mineralization.

Using 100 ppb gold as anomalous in silts yields a similar picture to the copper. We already know that many of the copper deposits carry low grade gold values so this result is no surprise. If we boost our anomalous level up to 300 ppb gold however many of the zone related anomalies disappear. What we are left with is ten anomalies, several of which are on the same creek drainage. M033X (874 ppb) and 34X (516 ppb) both are on Steep Creek where a showing carrying 18.77 g/tonne (0.55 oz/t) was taken in a reconn. rock sample (M005R). Attempts to reproduce this value in follow up sampling were unsuccessful. It appears that gold values are very spotty in this area with considerable nugget effect occurring. C077X (1850 ppb) is a short distance downstream from the North Rim trenches (NRT - 1 to 4) where several samples over 7.00 g/tonne (0.20 oz/t) were obtained (see Fig. GC-89-22). T031X (2570 ppb) occurs southwest of DDH 128 and follow up of the creek located copper mineralization with 1.23 g/tonne gold. A retake of the T031X sample, T147X, gave <5 ppb gold suggesting that placering or nugget effect is occurring in this area as well. C116X (650 ppb) and M070X (740 ppb) are both on Left Creek with, as yet, no source located by follow up sampling/prospecting. This area has fair talus and overburden cover locally so the source could be buried. T018X (447 ppb) near Camp Creek has also not been traced to its source again due to significant talus and overburden cover. M044X (416 ppb) and T069X (430 ppb) are both downstream from the South 110 deposit where low-grade gold was known to occur in old trenches. As well rock sample M036R taken from float upstream from these silts carried 1.39 g/tonne (0.04 oz/ton). Sample M030X (1000 ppb) was taken on a tributary of Drop Creek in the Anuk River area. follow up of this area located no mineralization of significance and a re-sample of the silt (M189X) gave <5 ppb gold.

The reconnaissance rocks confirmed the presence of gold mineralization in the areas targeted by the silts (where source exposed). In addition, they located several small low-grade copper-gold showings which, thus far, do not appear to be significant. Most importantly, however, was that they also located significant gold mineralization in three areas not picked up by the silt-sampling. Samples Y015R (8200 ppb) and Y016R (18,970 ppb) detected probable economic levels of gold within the Saddle Zone copper mineralization (previous samples ran 1-2 gm/tonne in the same area). M024R (22,135 ppb) was taken from pyritic quartz float in the area of the Camp IP soil line. Unfortunately due to a delay in receiving the lab result for this sample it was not followed up during our 1989 program. M095R (6067 ppb) led to our work on the DDH128 trenches which thus far have outlined similar grade mineralization over mineable widths. These trench results are elaborated on further under the discussion of channel sampling results below. All in all, the combination of silt and rock sampling on the reconnaissance level has proven to be an effective exploration tool in this area.

Soil sampling was done in areas of known gold mineralization, either from past work or from our 1989 silt and rock sampling results. Only three areas of gold mineralization have had extensive soil sampling done on them. These were the North Rim, the DDH 128 and the Southwest Zone areas. The other areas (Camp IP, Saddle Creek and Steep Creek) involved only reconnaissance level soils along a

single line. Soil sampling, as a whole, worked quite well at outlining the overall pattern of gold (and copper) mineralization. With closer inspection, however, some problems are evident. In the North Rim area, for instance, the soils show fairly extensive gold anomalies (100 ppb) however a sample taken right next to the best grade gold in the trenches ran <5 ppb (C266). This suggests that significant overburden, locally, is suppressing the geochemical response. Even the copper value in the same soils was only 248 ppm which is almost a background value in this area. The trench samples ran over 2% copper over considerable widths so values in the order of 5000 ppm would be more the magnitude expected. The same is true for the DDH 128 trench area although snow prevented complete sample coverage. This indicates, therefore, that drilling on soil anomalies alone may not be wise. Thorough prospecting/rock sampling of an area must be done before the drill is brought in. Anomalous level for gold in soils appears to be about 100 ppb and above while for copper it is probably about 800 ppm. A statistical evaluation of the results was attempted however, because we sampled what is overall an anomalous area, high values significantly skew the population. We are in essence trying to find an anomaly within an anomaly and normal statistical methods are not adequate for this purpose. Anomalous levels have, therefore, been chosen by inspection.

Hand-trenching of the main gold anomalies was completed where feasible. Channel sampling of the trenches are shown on Figures GC-89-22 to GC-89-26 inclusive. On the North Rim Zone, trenches NRT-1 and 2 crossed the strike of mineralization and sampling outlined a 10.4 meter section which averaged 5.59 g/tonne gold. This includes 7.0 meters of 9.26 g/tonne gold with most of the remaining lower grade material being barren dyke. The overlying metavolcanics are essentially barren although minor higher grade pods occur locally. The DDH 128 trenches were put in to cross a volcanic-intrusive contact zone which trends about 170°. Two of the trenches, 128T-1 and T-2, intersected gold mineralization in excess of 3 g/tonne with a 3.0 meter section in 128T-2 averaging 9.75 g/tonne.

The intersection in the two trenches indicate that the strike of the gold zone may be closer to 195° than the 170° assumed from alignment of fractures. The trenching on the Saddle Zone was done in an old Kennco trench which had sloughed in considerably. The trench, ST-2 crosses what is believed to be a breccia pipe with magnetite healing intrusive fragments. Sampling of the trench began 16.75 meters from the north western end of the old trench and proceeded southeasterly (1.5 meter intervals) to 48.62 meters. From 22.86 meters to 48.62 meters (25.76m) averaged 7.89 g/tonne with a high grade section from 22.86 meters to 30.48 meters (7.62m) running 12.69 g/tonne. The high gold values are associated with high copper mineralization (up to 5.4%) although not necessarily at a consistent ratio. Heavy rubble in the other two trenches prevented sampling them in 1989. Detailed mapping and sampling of the area is necessary before the limits of the mineralization (on surface) are known.

Trenching (Physical Work)

Physical work was submitted for the labour involved with cleaning out the trenches described above. The trenches are shown on figures GC-89-22 to GC-89-26 inclusive. A total of 105 meters of trenching was completed in 6 man days. The breakdown into trenches on each zone was as follows: Saddle Zone - 34 meters; North Rim Zone - 17 meters and DDH 128 Zone - 54 meters. A breakdown by claim group and assessment period is shown below:

	1989 Assessment		1990 Assessment	
	Man Days	Meters	Man Days	Meters
Group I	0	0	1	54
Group II	0	0	0	0
Group III	4	17	1	34
TOTAL	**4**	**17**	**2**	**88**

Geophysics

The only geophysics done in 1989 was VLF-EM surveys using a Geonics EM-16 unit. The operation of this instrument is well documented in the literature and will therefore not be reiterated in this report.

For the VLF-EM surveys on the Galore Creek property, two different transmitting stations were used depending on the orientation of the grid lines. The station used for all the lines trending north to northwesterly was Cutler, Maine (NAA-17.8 Hz) and the operator consistently faced southerly when taking readings. For lines trending westerly to southwesterly Seattle, Washington (NLK-24.8Hz) was used and the operator faced easterly when taking readings.

The VLF-EM utilized the same stations (25 m interval) established during the soil sampling with the exception of the east-west (grid) lines on the North Rim - DDH 128 Grid (GC-89-28). Due to the strong magnetics in this area, the east-west stations would have been too distorted to properly interpret the results. Two lines were therefore run with compass and hip-chain for this survey. Tie-ins were made with the existing cross-lines permitting an accurate representation of the actual station locations in the field.

All results were Fraser-filtered and the results are shown on Figures GC-89-27, 28, 29 and 30. Contours are at 0, 10 and 20 units. Raw data is included as Appendix V.

The total VLF-EM surveying carried out in 1989 was 11.43 kilometres. A breakdown into the amount for each claim group and assessment period is shown below:

	1989 Assessment	1990 Assessment
Group I	0.30 km	4.30 km
Group II	2.75 km	0
Group III	1.83 km	2.25 km
TOTAL	**4.88 km**	**6.55 km**

Discussion of Results

North Rim - DDH 128 Grid (Fig. GC-89-27, 28)

As detailed mapping of this area has not been done, it is difficult to know the likely source of the VLF-EM anomalies in all cases. We know from our mapping of the North Rim trenches that copper mineralization is strongest adjacent to the contact between the Upper Triassic volcanics and the underlying epidote syenite intrusive rocks. It appears that the long northeasterly trending anomaly which roughly follows the 0+00 baseline is likely tracing out this contact. The anomaly broadens out to the northeast probably because the topography in this area more or less parallels the dip of the contact. The copper mineralization is generally disseminated in the rocks and therefore would likely not show up as an EM conductor.

The strong anomaly southeast of DDH 128, by its strength, is likely a major fault. This entire area is covered in glacial till and scree so trenching or drilling would be required to determine its true source.

The anomaly in the southwestern corner of the grid is somewhat complex and may be due to a combination of rock type changes and faulting.

The two east-west (grid) lines suggest some cross-faulting is occurring however the survey in this direction is neither extensive enough nor sufficiently detailed to permit a more thorough interpretation.

Southwest Zone Grid (Fig. GC-89-29)

The EM survey of the Southwest Zone was done at a 200 meter line spacing which results in a strong east-west bias to the contouring. Despite this bias, there does appear to be a strong conductor trending roughly east-west just south of 0+00N. This coincides fairly closely with the projected trend of the Southwest Zone from drilling. The entire zone is overburden covered so the exact trend of the mineralization is not know. The EM, again, is probably not responding to the disseminated copper mineralization but rather to a major controlling structure (fault?) associated with it.

The two anomalies to the north of this are basically single line anomalies so no defined trend can be determined. The intensity of them is probably too strong to result from lithologic contacts which leads to the next most likely cause - faulting.

More detailed surveying may indicate that the middle anomaly ties in with the +16/+18 readings on line 2+00E and trends east-west. Additional lines both between the existing lines and to the east and west are necessary to properly delineate these anomalies.

Saddle Creek Grid (Fig. GC-89-30)

VLF-EM was run along this single contour line mainly to see if any of the soil gold anomalies had associated structures. Although EM anomalies were detected, they are all considerably southwest of the anomalous gold values. The only exception might be a very weak anomaly between soils C252S and C253S.

Core Sampling

A total of ten core samples were taken of DDH 88 from 100 - 200 feet (30.5-61.0 m). Samples were 1/4 split for reassay from previously split core. The section was reassayed to check the gold assays on 3 meter intervals within the previous 100 ft (30.5 m) composite which ran 0.005 oz/t gold (0.17 g/tonne). The results of this sampling are as follows:

Sample No.	Interval (m)	Width (m)	Au (ppb)	Cu (ppm)
32401	30.5-33.5	3.0	<5	1940
32402	33.5-36.6	3.1	23	697
32403	36.6-39.6	3.0	46	554
32404	39.6-42.7	3.1	<5	1019
32405	42.7-45.7	3.0	343	1478
32406	45.7-48.8	3.1	607	1479
32407	48.8-51.8	3.0	<5	1197
32408	51.8-54.9	3.1	57	1384
32409	54.9-57.9	3.0	70	1535
32410	57.9-61.0	3.1	63	732
TOTAL	**30.5-61.0**	**30.5**	**Avg. 121**	**Avg. 1202**

The core was all from epidote syenite porphyry with only trace chalcopyrite observed while splitting.

Summary and Conclusions

The 1989 exploration program at Galore Creek was successful at locating three significant zones of gold mineralization: the North Rim Zone, the DDH 128 Zone and the Saddle Zone. All these areas had previously been known for their copper mineralization however sampling for gold either was not done or was done by compositing of copper rich samples. Our sampling has only been of a preliminary nature with more extensive work required to adequately evaluate the potential of each zone.

The reconnaissance silt and rock sampling led to the rediscovery of each zone for its gold mineralization in addition to copper. Follow up trench sampling indicated significant grades of gold (and copper) mineralization over mineable widths.

Soil sampling has outlined several other areas of potential which include the Southwest Zone, the Camp IP area and the Saddle Creek area. Due to extensive overburden or incomplete follow up, additional work will be required to locate the source of these anomalies.

The VLF-EM survey has delineated several areas of likely faulting and lithologic contacts which may prove to be controlling features for the gold mineralization.

Although no "gold-only" targets were located, the 1989 program has gone a long way in developing significant gold-copper targets in the Galore Creek area. Further work is definitely warranted and is expected to be continued in the 1990 field season.

K.J. Taylor
Senior Project Geologist

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Zurowski, M.T.	1988	"Gold Potential of the Galore Creek Deposits" In House Report; Jan. 11, 1988
Allen, D.G. et al	1976	"Galore Creek" in Can. Inst. of Mining and Met. Special Vol. No. 15; Part C pp. 402-414; 1976
Jeffery, W.G.	1966	"A Geology of Upper Galore Creek" B.C. Min. Mines and Petrol. Res., Annual Report, 1965, pp. 19-29
Panteleyev, A.	1973	"GC, HAB, BUY (Stikine Copper)" B.C. Dept. Mines & Petrol. Res., Geology, Exploration & Mining 1972, pp. 520-526
Souther, J.G.	1972	"Telegraph Creek Map-Area, British Columbia" Geol. Surv. Canada, Paper 71-44.

APPENDIX I

STATEMENT OF COSTS

STATEMENT OF COSTS – Group I (1989 Assess.)

Personnel

K.Taylor – Geologist/Supervisor	$200/day
J. Mirko – Prospector	$200/day
D. Cosgrove – Fieldman	$150/day
E. Yarrow – Geologist	$250/day

Dates Work Done

July 15, 16, 18, 23, 29, 30

Cost Breakdown

Geochemistry (July 15, 16, 18, 23, 29, 30)

48 rock sample assays/preps @ 17.75/sample	852.00
67 silt sample asays/preps @ 15.75/sample	1,055.25
12 soil sample assays/preps @ 15.75/sample	189.00
Wages – 3 3/4 man days @ $150/man day	562.50
– 6 1/4 man days @ $200/man day	1,250.00
– 1 1/2 man days @ $250/man day	375.00
Plotting – 2 man days @ $200/man day	400.00
Transportation – 1/3 of plane flights (Vanc to Smithers)	609.00
– 1/3 of plane flights (Smithers to Gal Crk)	966.67
– 4 hrs. helicopter @ $725/hr	2,900.00
Room/Board – 13 1/2 man days @ $100/man day	1,350.00
Supplies (flagging, bags etc.)	150.00
Shipping – Helicopter/Plane/Bus to Vancouver	500.00

Geophysics (July 30 - 0.300 km VLF-EM)

Wages – 1/4 man day @ $200/man day	50.00
Transportation – included with geochem	
Filtering/plotting – 1/4 man day @ $200/man day	50.00
Room/Board – 1/2 man day @ $100/man day	50.00
Expediting – 1/3 of $1,000	333.33
Report – Preparation – 4 days @ $200/day	800.00
– Secretarial – 1 day @ $100 day	100.00
– Drafting – 20 hrs @ $15/hr	300.00
	12,842.75

STATEMENT OF COSTS – Group II (1989 Assess.)

Personnel

K.Taylor – Geologist/Supervisor	$200/day
J. Mirko – Prospector	$200/day
D. Cosgrove – Fieldman	$150/day

Dates Work Done

July 17, 18, 22, 23, 26, 27, 28, 31
August 1 - 6

Cost Breakdown

Geochemistry (July 17, 18, 22, 23, 26-28, 31; Aug 1-3, 5)

36 rock sample assays/preps @ 17.75/sample	639.00
51 silt sample asays/preps @ 15.75/sample	803.25
107 soil sample assays/preps @ 15.75/sample	1,685.25
Wages – 7 man days @ $200/man day	1,400.00
– 7 man days @ $150/man day	1,050.00
Plotting – 3 man days @ $200/man day	600.00
Transportation – 1/3 of plane flights (Vanc to Smithers)	609.00
– 1/3 of plane flights (Smithers to Gal Crk)	966.67
– 6 hrs. helicopter @ $725/hr	4,350.00
Room/Board – 17 man days @ $100/man day	1,700.00
Supplies (flagging, bags etc.)	200.00
Shipping – Helicopter/Plane/Bus to Vancouver	700.00

Geophysics (Aug 1-0.925 km VLF-EM; Aug 4 - 1.825 km VLF-EM)

Wages – 1 man day @ $200/man day	200.00
– 1 man day @ $150/man day	150.00
Transportation – included with geochem	
Filtering/plotting – 1 man day @ $200/man day	200.00
Room/Board – 3 man days @ $100/man day	300.00
Expediting – 1/3 of $1,000	333.33
Report – Preparation – 5 days @ $200/day	1,000.00
– Secretarial – 1 day @ $100 day	100.00
– Drafting – 25 hrs @ $15/hr	375.00
TOTAL	**17,361.50**

STATEMENT OF COSTS – Group III (1989 Assess.)

Personnel

K.Taylor – Geologist/Supervisor	$200/day
J. Mirko – Prospector	$200/day
D. Cosgrove – Fieldman	$150/day
E. Yarrow – Geologist	$250/day

Dates Work Done

July 15, 17-19, 21, 25, 29, 31
August 2, 3, 5, 7

Cost Breakdown

Geochemistry (July 15, 17-19, 25, 29, 31; Aug 7)

30 rock sample assays/preps @ 17.75/sample	532.50
32 silt sample asays/preps @ 15.75/sample	504.00
147 soil sample assays/preps @ 15.75/sample	2,315.25
12 channel sample assays/preps @ 17.75/sample	213.00
10 core sample assays/preps @ 17.75/sample	177.50
Wages – 4 3/4 man days @ $200/man day	950.00
– 5 1/4 man days @ $150/man day	787.50
– 1/2 man days @ $250/man day	125.00
– 1 man day 1/4 splitting core @ $200/man day	200.00
– 1 man day channel sampling trench @ $200/man day	200.00
Plotting – 3 man days @ $200/man day	600.00
Transportation – 1/3 of plane flights (Vanc to Smithers)	609.00
– 1/3 of plane flights (Smithers to Gal Crk)	966.67
– 6 hrs. helicopter @ $725/hr	4,350.00
Room/Board – 15.5 man days @ $100/man day	1,550.00
Supplies (flagging, bags etc.)	250.00
Shipping – Helicopter/Plane/Bus to Vancouver	700.00

Geophysics (July 30 - 1.125 km VLF-EM; Aug 7-0.7 km VLF-EM)

Wages – 1 man day @ $200/man day	200.00
– 1 man day @ $150/man day	150.00
Transportation – included with geochem	
Filtering/plotting – 1 man day @ $200/man day	200.00
Room/Board – 3 man days @ $100/man day	300.00

Physical (Aug. 3, 5 - Handtrenching)

Wages – 2 man days @ $200/man day	400.00
– 2 man days @ $150/man day	300.00
Transportation – 1.5 hrs helocipter @ $725/hr	1,087.50
Room/Board – 4 man days @ $100/man day	400.00
Expediting – 1/3 of $1,000	333.33
Report – Preparation – 5 days @ $200/day	1,000.00
– Secretarial – 1 day @ $100 day	100.00
– Drafting – 25 hrs @ $15/hr	375.00
	$ 19,876.25

STATEMENT OF COSTS – Group I (1990 Assess.)

Personnel

K.Taylor – Geologist/Supervisor	$200/day
J. Mirko – Prospector	$200/day
D. Cosgrove – Fieldman	$150/day

Dates Work Done

September 1-9 inclusive

Cost Breakdown

Geochemistry (Sept. 1-4, 6, 7, 9)

21 rock sample assays/preps @ 17.75/sample	372.75
33 channel sample asays/preps @ 17.75/sample	585.75
6 silt sample assays/preps @ 15.75/sample	94.50
153 soil sample assays/preps @ 15.75/sample	2,409.75
Wages – 3 1/2 man days channel sampling @ $200/day	700.00
– 2 3/4 man days @ $150/man day	412.50
– 3 man days @ $200/man day	600.00
– 2 man days plotting @ $200/day	400.00
Transportation – 1/3 of plane flights (Vanc to Smithers)	397.40
– 1/3 of plane flights (Smithers to Gal Crk)	766.67
– 1.8 hrs. helicopter @ $725/hr	1,305.00
Room/Board – 11 1/4 man days @ $100/man day	1,125.00
Supplies (flagging, bags etc.)	100.00
Shipping – Helicopter/Plane/Bus to Vancouver	700.00

Geophysics (September 4, 6 – 4.30 km VLF-EM)

Wages – 3/4 man day @ 150/day	112.50
– 1/2 man day @ $200/day	100.00
Transportation – included with geochem	
Filtering/plotting – 1 man day @ $200/man day	200.00
Room/Board – 2 1/4 man days @ $100/man day	225.00

Physical Work (September 2, 3 – Digging trenches 128T1-5)

Wages – 1/2 man day @ $200/day	100.00
– 1/2 man day @ $150/day	75.00
Room/Board – 1 man day @ $100/man day	100.00
Transportation – 0.3 hrs. helicopter @ $725/hr	217.50

Expediting – 1/3 of $330	110.00
Report – Preparation – 2 days @ $200/day	400.00
– Secretarial – 1 day @ $100/day	100.00
– Drafting – 5 hrs. @ $15/hr	75.00
	11,784.32

STATEMENT OF COSTS – Group II (1990 Assess.)

Personnel

K.Taylor – Geologist/Supervisor	$200/day
J. Mirko – Prospector	$200/day
D. Cosgrove – Fieldman	$150/day

Dates Work Done

September 1, 9

Cost Breakdown

Geochemistry (September 1, 9)

106 soil sample assays/preps @ 15.75/sample	1,669.50
1 silt sample asay/preps @ 15.75/sample	15.75
Wages – 1 man day @ $200/man day	200.00
– 1 man day @ $150/man day	150.00
– 1/2 man day plotting @ $200/man day	100.00
Transportation – 1/3 of plane flights (Vanc. to Smithers)	397.40
– 1/3 of plane flights (Smithers to Galore Crk)	766.67
– 0.4 hr. helicopter @ $725/hr	290.00
Room/Board – 2 1/2 man days @ $100/man day	250.00
Supplies (flagging, bags etc.)	75.00
Shipping – Helicopter/Plane/Bus to Vancouver	400.00
Expediting – 1/3 of $330	110.00
Report – Preparation – 1 dya @ $200/day	200.00
– Secretarial – 1/2 day @ $100/day	50.00
– Drafting – 3 hrs @ $15/hr	45.00
TOTAL	**4,719.32**

STATEMENT OF COSTS – Group III (1990 Assess.)

Personnel

K.Taylor – Geologist/Supervisor	$200/day
J. Mirko – Prospector	$200/day
D. Cosgrove – Fieldman	$150/day
E. Yarrow – Geologist	$250/day

Dates Work Done

September 1, 3-6 incl; 8, 9

Cost Breakdown

Geochemistry (September 1, 3, 5, 6, 8, 9)

9 rock sample assays/preps @ 17.75/sample	159.75
204 soil sample asays/preps @ 15.75/sample	3,213.00
21 channel sample assays/preps @ 17.75/sample	372.75
Wages – 1 3/4 man days channel sampling @ $200/man day	350.00
– 1/2 man day @ $250/man day	125.00
– 1 1/2 man days @ $200/man day	300.00
– 13/4 man days @ $150/man day	262.50
– 1 1/2 man days plotting @ $200/man day	300.00
Transportation – 1/3 of plane flights (Vanc to Smithers)	397.40
– 1/3 of plane flights (Smithers to Gal Crk)	766.69
– .8 hrs. helicopter @ $725/hr	580.00
Room/Board – 7 man days @ $100/man day	700.00
Supplies (flagging, bags etc.)	100.00
Shipping – Helicopter/Plane/Bus to Vancouver	650.00

Geophysics (September 4, 8 - 2.25 km VLF-EM)

Wages – 1 1/4 man day @ $200/man day	187.50
Transportation – included with geochem	
Filtering/plotting – 1/2 man day @ $200/man day	100.00
Room/Board – 1 3/4 man days @ $100/man day	175.00

Physical Work (September 8 - Cleaning out trench ST-1)

Wages – 1/2 man day @ $200/man day	100.00
Room/Board – 1/2 man day @ $100/man day	50.00
Transportation – 0.1 hr helicopter @ $725/hr	72.50

Expediting – 1/3 of $330	110.00
Report – Preparation - 2 days @ $200/man day	400.00
– Secretarial - 1 day @ $100/day	100.00
– Drafting - 5 hrs @ $15/hr	75.00
	9,647.09

APPENDIX II

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Kenneth J. Taylor of 15732-92 B Avenue, Surrey, British Columbia do hereby certify that:

1. I am a geologist with a B.Sc. in Geology from the University of British Columbia, 1973.

2. I have practised my profession continuously since 1973.

3. I am a Fellow of the Geological Association of Canada.

4. I supervised and co-executed the 1989 fieldwork at the Galore Creek property on behalf of Mingold Resources Inc.

K.J. Taylor

Senior Project Geologist
Mingold Resources Inc.

November 28, 1989

APPENDIX III

CERTIFICATES OF ASSAY

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

PHONE (604) 984-0221

O.K. Galore Ck.

To: [illegible]ASTECH RESEARCH INC.

80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9

Project :
Comments: ATTN: JACK STANLEY

Page No. : 1-A
Tot. Pages: 4
Date : 14-AUG-89
Invoice # : I-8922774
P.O. # :

CERTIFICATE OF ANALYSIS A8922774

SAMPLE DESCRIPTION	PREP CODE		Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
CG-104-G-3 003-	214	238	1.32	2.6	15	210	< 0.5	< 2	1.15	0.5	24	16	271	8.50	20	< 1	0.20	10	1.03	1745	1
CG-104-G-3 004-	214	238	1.37	3.0	45	160	< 0.5	< 2	1.25	< 0.5	25	20	190	10.10	30	2	0.22	20	0.90	1505	< 1
CG-104-G-3 005-	214	238	1.32	3.2	< 5	190	< 0.5	< 2	1.09	< 0.5	21	20	294	10.55	30	< 1	0.18	20	0.87	1515	2
CG-104-G-3 006-	214	238	1.21	2.2	15	110	< 0.5	< 2	1.13	2.0	18	15	169	8.22	20	< 1	0.17	10	0.83	1370	2
CG-104-G-3 007-	214	238	1.28	2.6	< 5	180	< 0.5	< 2	1.12	< 0.5	19	16	268	8.33	20	< 1	0.19	10	0.85	1435	1
CG-104-G-3 008-	214	238	1.96	2.0	5	40	< 0.5	< 2	0.93	< 0.5	18	19	217	6.63	20	2	0.18	10	1.00	1410	14
CG-104-G-3 009-	214	238	1.42	1.6	10	130	< 0.5	< 2	0.48	< 0.5	3	10	36	2.16	20	< 1	0.09	20	0.20	325	13
CG-104-G-3 010-	214	238	1.18	1.0	< 5	60	< 0.5	< 2	0.28	< 0.5	18	14	32	4.18	20	1	0.09	10	0.22	2390	26
CG-104-G-3 011-	214	238	0.87	0.8	10	40	< 0.5	< 2	0.24	< 0.5	3	20	31	3.60	10	1	0.09	< 10	0.19	280	2
CG-104-G-3 012-	214	238	1.09	1.2	< 5	50	< 0.5	< 2	0.46	< 0.5	4	12	13	2.63	20	< 1	0.10	10	0.17	620	13
CG-104-G-3 013-	214	238	2.34	2.0	20	30	< 0.5	< 2	0.40	< 0.5	8	27	40	4.03	20	1	0.10	10	0.39	550	3
CG-104-G-3 014-	214	238	1.23	1.8	5	40	< 0.5	< 2	0.42	< 0.5	4	22	23	2.65	20	< 1	0.13	10	0.37	330	19
CG-104-G-3 015-	214	238	2.36	4.4	5	50	< 0.5	< 2	0.87	0.5	20	26	84	5.41	20	< 1	0.24	10	1.02	1920	11
CG-104-G-3 016-	214	238	2.17	2.0	10	40	< 0.5	< 2	0.97	< 0.5	9	27	93	4.06	10	1	0.18	10	1.04	880	7
CG-104-G-3 017-	214	238	1.03	2.8	< 5	90	< 0.5	< 2	0.49	1.5	3	13	30	3.37	10	< 1	0.08	10	0.17	255	9
CG-104-G-3 018-	214	238	2.29	3.2	< 5	130	1.0	< 2	0.73	1.5	13	21	83	3.06	10	< 1	0.11	20	0.55	1790	18
CG-104-G-3 019-	214	238	1.64	2.4	15	110	< 0.5	< 2	0.80	2.0	9	17	103	3.46	10	2	0.14	10	0.44	995	12
CG-104-G-3 047-	214	238	1.59	1.8	< 5	40	< 0.5	< 2	0.55	< 0.5	4	16	34	5.40	10	< 1	0.17	10	0.36	410	2
CG-104-G-3 048-	214	238	1.32	1.2	< 5	30	< 0.5	< 2	0.48	< 0.5	2	17	11	3.92	10	< 1	0.10	10	0.15	205	1
CG-104-G-3 049-	214	238	0.72	1.0	5	20	< 0.5	< 2	0.30	< 0.5	1	14	6	1.24	10	< 1	0.08	< 10	0.09	120	< 1
CG-104-G-3 050-	214	238	1.37	1.2	10	40	< 0.5	< 2	0.61	< 0.5	3	18	10	3.77	20	< 1	0.11	10	0.76	363	4
CG-104-G-3 051-	214	238	1.03	1.0	10	30	< 0.5	< 2	0.59	< 0.5	2	19	10	3.11	10	< 1	0.11	10	0.14	260	1
CG-104-G-3 052-	214	238	1.62	1.8	5	50	< 0.5	< 2	0.32	< 0.5	4	11	40	5.05	20	< 1	0.28	10	0.48	515	3
CG-104-G-3 053-	214	238	2.57	2.4	35	50	< 0.5	< 2	0.32	< 0.5	3	10	83	8.43	20	3	0.21	10	0.58	515	7
CG-104-G-3 054-	214	238	1.94	2.4	15	50	< 0.5	< 2	1.01	< 0.5	19	14	272	7.55	20	< 1	0.31	20	1.29	1730	5
CG-104-G-3 055-	214	238	1.02	0.8	10	30	< 0.5	< 2	0.38	< 0.5	3	11	14	3.07	10	< 1	0.10	10	0.14	220	1
CG-104-G-3 056-	214	238	0.87	0.6	5	30	< 0.5	< 2	0.29	< 0.5	2	13	7	2.06	10	< 1	0.09	< 10	0.11	180	1
CG-104-G-3 057-	214	238	1.88	1.4	25	40	< 0.5	< 2	0.31	< 0.5	3	17	20	5.15	10	< 1	0.15	10	0.18	240	1
CG-104-G-3 058-	214	238	1.32	1.0	< 5	30	< 0.5	< 2	0.49	< 0.5	3	22	14	4.93	10	1	0.10	< 10	0.22	320	< 1
CG-104-G-3 059-	214	238	0.89	0.8	< 5	30	< 0.5	< 2	0.23	< 0.5	2	13	11	1.51	10	< 1	0.10	10	0.10	150	< 1
CG-104-G-3 060-	214	238	2.96	2.0	< 5	50	< 0.5	< 2	0.33	< 0.5	3	29	42	8.35	20	1	0.10	10	0.37	320	3
CG-104-G-3 061-	214	238	1.07	1.2	< 5	20	< 0.5	< 2	0.34	< 0.5	2	19	10	3.66	10	< 1	0.12	< 10	0.16	175	1
CG-104-G-3 062-	214	238	1.13	0.6	< 5	30	< 0.5	< 2	0.28	< 0.5	2	13	6	1.72	< 10	< 1	0.14	< 10	0.13	130	5
CG-104-G-3 063-	214	238	1.69	1.4	< 5	50	< 0.5	< 2	0.39	< 0.5	2	25	45	4.34	10	< 1	0.09	10	0.20	200	5
CG-104-G-3 064-	214	238	1.34	0.6	< 5	20	< 0.5	< 2	2.30	< 0.5	1	11	16	3.41	10	1	0.10	< 10	0.31	1085	3
CG-104-G-3 065-	214	238	3.01	0.2	25	70	< 0.5	< 2	2.90	< 0.5	8	31	89	5.73	< 10	< 1	0.87	< 10	1.98	2190	4
CG-104-G-3 066-	214	238	1.83	1.0	5	40	< 0.5	< 2	1.27	< 0.5	2	13	27	4.91	10	1	0.14	10	0.52	730	7
CG-104-G-3 067-	214	238	0.71	0.6	10	20	< 0.5	< 2	0.64	< 0.5	< 1	10	4	2.03	< 10	1	0.09	10	0.06	305	6
CG-104-G-3 068-	214	238	2.50	1.2	5	40	< 0.5	< 2	1.08	< 0.5	5	19	73	6.39	10	3	0.27	10	1.06	1665	5
CG-104-G-3 069-	214	238	1.01	2.4	< 5	20	< 0.5	< 2	0.31	< 0.5	1	22	11	3.93	10	< 1	0.08	< 10	0.06	145	3

40

CERTIFICATION : _____

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To : COAST[illegible] RESEARCH INC.
80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9
Project :
Comments: ATTN: JACK STANLEY

Page No. : 1-B
Tot. Pages: 4
Date : 14-AUG-89
Invoice # : I-8922774
P.O. # :

CERTIFICATE OF ANALYSIS A8922774

SAMPLE DESCRIPTION	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
CG-104-G-3 003-	214	238	< 0.01	10	2930	88	5	12	139	0.12	< 10	< 10	275	< 10	176
CG-104-G-3 004-	214	238	< 0.01	12	3120	64	5	11	181	0.13	< 10	< 10	336	< 10	150
CG-104-G-3 005-	214	238	< 0.01	9	2940	36	5	12	152	0.14	< 10	< 10	353	< 10	132
CG-104-G-3 006-	214	238	< 0.01	6	2890	322	5	10	135	0.12	< 10	< 10	277	< 10	308
CG-104-G-3 007-	214	238	< 0.01	8	2820	58	< 5	11	154	0.12	< 10	< 10	278	< 10	148
CG-104-G-3 008-	214	238	0.01	8	2890	82	5	10	113	0.12	< 10	< 10	224	< 10	192
CG-104-G-3 009-	214	238	0.12	5	580	12	5	1	35	0.13	< 10	< 10	25	< 10	62
CG-104-G-3 010-	214	238	0.02	5	1330	60	< 5	2	37	0.09	< 10	< 10	105	< 10	88
CG-104-G-3 011-	214	238	0.01	4	670	38	< 5	2	41	0.09	< 10	< 10	110	< 10	42
CG-104-G-3 012-	214	238	0.05	4	1030	20	< 5	1	45	0.09	10	< 10	57	< 10	56
CG-104-G-3 013-	214	238	0.02	7	2170	28	5	2	58	0.12	< 10	< 10	110	< 10	74
CG-104-G-3 014-	214	238	0.03	7	950	38	< 5	2	64	0.14	< 10	< 10	84	< 10	98
CG-104-G-3 015-	214	238	0.03	8	1490	42	5	7	133	0.18	< 10	< 10	176	< 10	202
CG-104-G-3 016-	214	238	0.02	8	1200	22	5	6	157	0.18	< 10	< 10	183	< 10	206
CG-104-G-3 017-	214	238	0.07	4	750	12	< 5	1	43	0.11	< 10	< 10	28	< 10	88
CG-104-G-3 018-	214	238	0.06	8	1860	68	5	3	94	0.08	< 10	< 10	80	< 10	238
CG-104-G-3 019-	214	238	0.05	8	1860	78	5	2	92	0.06	< 10	< 10	90	< 10	172
CG-104-G-3 047-	214	238	< 0.01	1	1140	62	< 5	4	113	0.22	< 10	< 10	220	< 10	60
CG-104-G-3 048-	214	238	0.01	1	770	10	< 5	4	96	0.19	< 10	< 10	147	< 10	36
CG-104-G-3 049-	214	238	0.03	1	390	36	< 5	2	52	0.11	< 10	< 10	49	< 10	30
CG-104-G-3 050-	214	238	< 0.01	1	2090	20	< 5	6	110	0.25	< 10	< 10	202	< 10	36
CG-104-G-3 051-	214	238	0.01	< 1	690	26	< 5	4	92	0.26	< 10	< 10	126	< 10	36
CG-104-G-3 052-	214	238	0.01	< 1	2690	12	5	6	107	0.28	< 10	< 10	231	< 10	76
CG-104-G-3 053-	214	238	0.01	2	2810	18	5	7	93	0.25	< 10	< 10	207	< 10	86
CG-104-G-3 054-	214	238	< 0.01	5	2870	38	5	12	177	0.22	< 10	< 10	251	< 10	162
CG-104-G-3 055-	214	238	0.02	1	1080	18	< 5	2	68	0.18	< 10	< 10	107	< 10	42
CG-104-G-3 056-	214	238	0.01	< 1	440	14	< 5	2	70	0.18	< 10	< 10	94	< 10	26
CG-104-G-3 057-	214	238	< 0.01	2	2180	12	5	3	71	0.20	< 10	< 10	208	< 10	36
CG-104-G-3 058-	214	238	< 0.01	2	820	12	< 5	4	76	0.20	< 10	< 10	152	< 10	38
CG-104-G-3 059-	214	238	0.04	1	1010	8	5	1	43	0.12	< 10	< 10	40	< 10	34
CG-104-G-3 060-	214	238	0.02	3	6490	22	5	4	54	0.13	< 10	< 10	247	< 10	52
CG-104-G-3 061-	214	238	0.02	2	460	8	< 5	4	69	0.17	< 10	< 10	105	< 10	30
CG-104-G-3 062-	214	238	< 0.01	2	290	12	< 5	2	67	0.16	< 10	< 10	97	< 10	26
CG-104-G-3 063-	214	238	0.01	2	3200	12	< 5	3	31	0.12	< 10	< 10	118	< 10	44
CG-104-G-3 064-	214	238	< 0.01	< 1	1020	10	5	7	31	0.24	< 10	< 10	216	< 10	36
CG-104-G-3 065-	214	238	< 0.01	1	1300	18	< 5	11	39	0.17	< 10	< 10	231	< 10	128
CG-104-G-3 066-	214	238	< 0.01	1	1090	12	< 5	5	38	0.24	< 10	< 10	225	< 10	60
CG-104-G-3 067-	214	238	< 0.01	< 1	310	12	< 5	2	36	0.23	< 10	< 10	142	< 10	56
CG-104-G-3 068-	214	238	< 0.01	1	2170	26	5	7	28	0.19	< 10	< 10	231	< 10	146
CG-104-G-3 069-	214	238	< 0.01	4	470	4	< 5	2	60	0.11	< 10	< 10	115	< 10	24

AD

CERTIFICATION : _____

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To : COAST[illegible] RESEARCH INC.

80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9

Project :
Comments: ATTN: JACK STANLEY

Page No. : 2-A
Tot. Pages: 4
Date : 14-AUG-89
Invoice # : I-8922774
P.O. # :

CERTIFICATE OF ANALYSIS A8922774

SAMPLE DESCRIPTION	PREP CODE	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
CG-104-G-3 070-	214 238	2.44	2.0	5	100	1.0	< 2	1.01	< 0.5	3	10	67	5.27	20	1	0.86	10	1.33	1450	2
CG-104-G-3 071-	214 238	2.09	1.6	25	40	< 0.5	< 2	1.37	< 0.5	1	14	60	5.46	30	< 1	0.22	10	0.53	1015	5
CG-104-G-3 013-	214 238	1.93	1.8	25	80	< 0.5	< 2	1.79	0.5	18	34	153	9.12	30	1	0.39	20	1.33	1770	4
-104-G-3 075-	214 238	2.06	1.0	< 5	180	1.0	< 2	0.98	< 0.5	21	208	1400	5.12	10	< 1	0.39	10	2.17	600	1
-104-G-3 076-	214 238	1.63	2.0	< 5	430	0.5	< 2	0.99	< 0.5	17	172	2600	4.91	20	< 1	0.40	20	1.79	735	4
CG-104-G-3 077-	214 238	1.56	2.4	15	200	1.0	< 2	1.81	< 0.5	15	183	909	6.96	20	< 1	0.37	20	1.46	850	7
CG-104-G-3 082-	214 238	1.58	5.6	< 5	400	1.5	< 2	1.97	1.0	21	132	2790	6.72	20	< 1	0.68	30	1.61	2290	5
CG-104-G-3 085-	214 238	1.89	0.8	10	750	0.5	< 2	2.82	< 0.5	17	94	267	6.43	20	< 1	0.48	20	1.62	1535	3
CG-104-G-3 086-	214 238	1.85	1.0	< 5	140	1.5	< 2	2.41	< 0.5	38	76	253	5.80	20	< 1	0.46	10	1.38	1460	1
CG-104-G-3 087-	214 238	2.19	0.6	15	140	1.5	< 2	2.39	< 0.5	18	77	272	6.95	20	< 1	0.73	20	1.93	1445	10
CG-104-G-3 088-	214 238	2.07	0.8	< 5	140	1.5	< 2	2.12	< 0.5	17	79	296	6.80	20	1	0.68	20	1.90	1360	10
CG-104-G-3 090-	214 238	1.47	0.6	< 5	250	0.5	< 2	1.53	< 0.5	15	84	249	4.28	10	1	0.54	10	1.44	1055	5
CG-104-G-3 091-	214 238	1.37	0.4	< 5	220	< 0.5	< 2	1.97	< 0.5	11	69	371	4.27	10	< 1	0.43	20	1.21	975	5
CG-104-G-3 092-	214 238	1.70	1.0	< 5	360	0.5	< 2	1.93	< 0.5	18	215	736	5.47	10	< 1	0.52	20	1.94	1075	11
CG-104-G-3 093-	214 238	1.86	1.0	< 5	440	0.5	< 2	1.71	< 0.5	19	206	904	5.31	20	< 1	0.66	20	2.17	1260	11
CG-104-G-3 094-	214 238	1.58	0.8	< 5	240	1.0	< 2	1.88	< 0.5	14	52	518	4.86	10	< 1	0.35	20	1.19	1210	8
CG-104-G-3 095-	214 238	2.06	2.4	25	340	1.5	< 2	1.44	< 0.5	16	43	1100	6.83	20	1	0.71	30	1.36	1560	94
CG-104-G-3 096-	214 238	2.22	1.8	5	350	1.5	< 2	1.68	< 0.5	15	34	1525	5.52	20	1	0.81	30	1.49	1700	63
CG-104-G-4 072-	214 238	2.87	< 0.2	< 5	380	3.0	< 2	4.31	< 0.5	20	9	115	6.12	20	< 1	0.91	< 10	1.98	1330	< 1
CG-104-G-4 074-	214 238	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
VG-104-G-3 001-	214 238	1.68	1.8	< 5	470	< 0.5	< 2	2.33	< 0.5	16	100	609	7.91	30	1	0.45	20	1.30	1715	13
VG-104-G-3 002-	214 238	1.87	1.2	< 5	340	< 0.5	< 2	2.58	< 0.5	16	168	759	7.66	30	1	0.58	20	1.36	1160	15
G-104-G-3 021-	214 238	1.83	3.0	< 5	140	< 0.5	< 2	0.96	0.5	21	19	527	7.91	20	< 1	0.47	30	1.20	1780	6
VG-104-G-3 022-	214 238	1.96	1.4	< 5	140	< 0.5	< 2	2.60	1.0	15	27	385	6.23	20	2	0.32	20	1.11	1905	7
VG-104-G-3 033-	214 238	2.63	1.6	< 5	140	< 0.5	< 2	1.15	0.5	46	168	1405	7.44	30	< 1	0.90	20	2.98	1395	9
G-104-G-3 034-	214 238	1.75	1.8	< 5	140	< 0.5	< 2	1.28	0.5	24	191	727	6.29	20	1	0.42	20	1.94	845	15
G-104-G-3 035-	214 238	1.82	1.8	< 5	130	< 0.5	< 2	1.27	< 0.5	24	201	792	6.71	20	< 1	0.45	20	2.04	895	12
G-104-G-3 043-	214 238	1.54	2.6	< 5	170	< 0.5	< 2	1.02	0.5	78	19	659	9.00	20	< 1	0.23	30	1.31	1090	9
G-104-G-3 044-	214 238	1.44	3.2	< 5	110	< 0.5	< 2	1.06	< 0.5	31	28	615	13.35	30	< 1	0.20	10	1.16	895	6
G-104-G-3 051-	214 238	0.77	1.6	15	250	< 0.5	< 2	2.63	0.5	39	30	810	6.32	20	< 1	0.28	10	0.78	1380	6
G-104-G-3 052-	214 238	1.72	1.4	< 5	520	< 0.5	< 2	1.52	< 0.5	19	76	340	7.25	20	< 1	0.59	20	1.69	1490	6
G-104-G-3 053-	214 238	1.36	1.6	< 5	470	< 0.5	< 2	2.21	< 0.5	15	141	212	9.04	20	< 1	0.38	30	1.43	1320	14

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CERTIFICATION : ____________________

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: COASTE RESEARCH INC.

80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9
Project :
Comments: ATTN: JACK STANLEY

Page No. : 2-B
Tot. Pages: 4
Date : 14-AUG-89
Invoice # : I-8922774
P.O. # :

CERTIFICATE OF ANALYSIS A8922774

SAMPLE DESCRIPTION	PREP CODE		Na %	Nb ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
CG-104-G-3 070	214	238	< 0.01	< 1	1090	18	5	7	52	0.25	< 10	< 10	189	< 10	96
CG-104-G-3 071	214	238	< 0.01	3	1360	20	5	6	52	0.21	< 10	< 10	280	< 10	58
CG-104-G-3 015	214	238	0.01	13	2410	60	5	14	257	0.20	< 10	< 10	394	< 10	306
CG-104-G-3 075	214	238	0.03	104	980	2	5	8	79	0.23	< 10	< 10	184	< 10	76
CG-104-G-3 076	214	238	0.03	67	1270	20	5	9	143	0.20	< 10	< 10	229	< 10	112
104-G-3 077	214	238	0.01	38	2430	28	5	12	[illegible]	0.18	< 10	< 10	328	< 10	80
CG-104-G-3 082	214	238	0.01	44	2090	50	5	14	03	0.18	< 10	< 10	300	< 10	240
CG-104-G-3 085	214	238	0.01	37	2230	40	5	15	167	0.18	< 10	< 10	310	< 10	102
CG-104-G-3 086	214	238	0.01	28	1670	22	5	16	199	0.17	< 10	< 10	248	< 10	108
CG-104-G-3 087	214	238	0.01	30	2570	64	10	24	179	0.21	< 10	< 10	345	< 10	134
CG-104-G-3 088	214	238	0.01	30	2440	70	5	21	186	0.20	< 10	< 10	324	< 10	136
CG-104-G-3 090	214	238	0.03	43	1770	24	< 5	10	148	0.16	< 10	< 10	184	350	90
CG-104-G-3 091	214	238	0.01	29	1350	8	< 5	11	145	0.15	< 10	< 10	187	< 10	74
CG-104-G-3 092	214	238	0.01	73	2150	52	< 5	13	165	0.18	< 10	< 10	245	< 10	102
CG-104-G-3 093	214	238	0.01	73	2020	34	5	16	179	0.21	< 10	< 10	245	< 10	100
CG-104-G-3 094	214	238	0.01	19	1650	34	5	11	123	0.16	< 10	< 10	238	< 10	104
CG-104-G-3 095	214	238	0.01	16	1910	130	5	16	149	0.19	< 10	< 10	318	< 10	172
CG-104-G-3 096	214	238	0.01	13	1940	64	5	17	239	0.18	< 10	< 10	287	< 10	232
CG-104-G-4 072	214	238	0.37	6	4120	10	< 5	27	537	0.27	< 10	< 10	375	< 10	82
CG-104-G-4 074	214	238	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss	not/ss
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
G-104-G-3 001	214	238	0.01	31	2200	36	5	17	198	0.20	< 10	< 10	378	< 10	148
G-104-G-3 002	214	238	0.01	54	2370	24	< 5	15	192	0.20	< 10	< 10	392	< 10	150
G-104-G-3 021	214	238	0.01	8	2570	40	5	11	151	0.18	< 10	< 10	237	< 10	220
G-104-G-3 022	214	238	0.01	10	2340	40	< 5	17	198	0.17	< 10	< 10	289	< 10	270
G-104-G-3 033	214	238	0.03	75	1090	18	5	15	93	0.32	< 10	< 10	223	< 10	109
G-104-G-3 034	214	238	0.01	62	1090	36	< 5	9	100	0.20	< 10	< 10	207	< 10	84
G-104-G-3 035	214	238	0.02	66	1240	34	< 5	10	99	0.20	< 10	< 10	228	< 10	86
G-104-G-3 043	214	238	0.01	10	2630	62	< 5	10	165	0.18	< 10	< 10	263	< 10	138
G-104-G-3 044	214	238	0.01	14	2730	56	5	9	170	0.18	< 10	< 10	375	< 10	150
G-104-G-3 051	214	238	< 0.01	7	2160	90	< 5	6	230	0.08	< 10	< 10	137	< 10	154
G-104-G-3 052	214	238	0.01	27	2390	44	5	16	180	0.19	< 10	< 10	291	< 10	128
G-104-G-3 053	214	238	0.01	46	1890	60	5	12	135	0.23	< 10	< 10	379	< 10	96

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CERTIFICATION : ____________________

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
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PHONE (604) 984-0221

To: COASTECH RESEARCH INC.
80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9
Project :
Comments: ATTN: JACK STANLEY

Date : 14-AUG-89
Invoice # : I-8912774
P.O. #

CERTIFICATE OF ANALYSIS A8922774

SAMPLE DESCRIPTION	PREP CODE	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
MD-104-G-3 054	214 238	1.41	2.0	< 5	440	1.0	< 2	2.37	0.5	24	109	409	9.77	< 10	< 1	0.41	20	1.38	1400	20
MD-104-G-3 055	214 238	1.11	0.8	10	80	0.5	4	1.11	< 0.5	16	178	129	4.86	< 10	< 1	0.13	10	1.33	660	< 1
MD-104-G-3 056	214 238	1.42	1.6	< 5	280	1.0	< 2	2.13	< 0.5	28	149	303	8.55	< 10	< 1	0.29	10	1.43	1065	4
MD-104-G-3 057	214 238	1.71	2.0	15	390	1.5	< 2	2.21	< 0.5	25	90	784	7.99	< 10	< 1	0.44	10	1.44	1560	8
MD-104-G-3 065	214 238	1.82	1.4	< 5	350	1.0	2	2.50	0.5	32	155	735	6.96	< 10	< 1	0.59	10	1.94	1745	7
104-G-3 066	214 238	1.62	1.6	< 5	530	1.5	< 2	0.92	< 0.5	7	21	448	7.04	< 10	< 1	1.26	30	1.72	1393	55
MD-104-G-3 067	214 238	1.42	2.0	20	720	2.0	< 2	0.83	< 0.5	12	36	593	7.98	< 10	< 1	0.95	30	1.52	1480	59
MD-104-G-3 068	214 238	1.93	3.2	< 5	1000	2.0	2	1.49	1.5	29	48	1620	6.96	< 10	< 1	0.71	30	1.66	2320	32
MD-104-G-3 069	214 238	1.30	1.4	30	220	2.0	< 2	1.15	1.5	25	42	1475	5.73	< 10	< 1	0.29	20	0.93	3370	26
MD-104-G-3 070	214 238	1.64	3.0	5	770	3.3	< 2	1.47	2.0	55	21	1455	9.71	< 10	< 1	0.58	30	1.20	>10000	101
MD-104-G-4 008	214 238	2.36	0.8	5	220	0.5	< 2	1.32	< 0.5	26	212	73	3.94	< 10	< 1	0.48	10	2.72	770	< 1
MD-104-G-4 009	214 238	2.12	0.8	25	160	1.0	2	1.24	< 0.5	26	124	85	4.90	< 10	< 1	0.39	10	2.12	915	< 1
MD-104-G-4 010	214 238	1.87	0.4	< 5	250	0.5	< 2	1.61	< 0.5	21	172	83	3.47	< 10	< 1	0.51	10	2.09	640	< 1
MD-104-G-4 011	214 238	2.04	1.0	35	120	1.0	2	1.44	0.5	24	107	105	4.70	< 10	< 1	0.60	20	1.99	855	< 1
MD-104-G-4 012	214 238	1.44	0.8	45	100	1.0	2	1.56	< 0.5	18	96	83	4.83	< 10	< 1	0.34	10	1.25	725	1
MD-104-G-4 013	214 238	1.62	0.8	5	150	1.0	2	1.66	< 0.5	22	68	110	4.64	< 10	< 1	0.58	10	1.49	725	< 1
MD-104-G-4 016	214 238	1.47	0.8	< 5	300	1.0	< 2	2.10	< 0.5	22	53	98	4.98	< 10	< 1	0.56	10	1.34	665	1
MD-104-G-4 025	214 238	2.22	1.0	10	290	2.5	< 2	3.93	< 0.5	24	22	98	6.30	< 10	< 1	0.95	< 10	2.04	1350	1
MD-104-G-4 026	214 238	1.90	1.4	25	480	1.5	< 2	1.57	< 0.5	29	120	97	5.34	< 10	< 1	0.37	30	1.85	1035	< 1
MD-104-G-4 027	214 238	2.36	0.8	35	330	1.0	< 2	1.44	< 0.5	28	129	87	4.98	< 10	< 1	0.36	20	2.17	950	< 1
MD104-G-3 040	214 238	1.86	1.4	25	440	1.0	< 2	1.89	< 0.5	15	89	256	7.32	< 10	< 1	1.19	10	1.87	1370	20
MD-104-G-4 029	214 238	2.54	0.4	50	100	0.5	< 2	1.23	< 0.5	21	141	61	4.71	< 10	< 1	0.23	10	2.13	810	1
MD-104-G-4 030	214 238	2.13	0.4	50	60	0.5	< 2	0.92	< 0.5	16	100	63	4.23	< 10	< 1	0.12	10	1.92	680	2
TUC104-G-3 002	214 238	2.55	1.0	30	50	0.5	< 2	1.09	0.5	43	908	185	6.08	< 10	< 1	0.61	10	3.84	685	6
TUC104-G-3 004	214 238	1.94	0.6	5	350	0.5	< 2	1.38	< 0.5	23	419	433	4.50	< 10	< 1	0.48	20	2.90	800	3
TUC104-G-3 006	214 238	1.84	0.8	15	40	0.5	< 2	1.07	< 0.5	26	64	572	6.03	< 10	< 1	0.50	10	1.85	695	10
TUC104-G-3 014	214 238	1.92	1.0	< 5	180	1.0	< 2	0.72	1.0	26	28	180	6.41	< 10	< 1	0.23	20	1.69	2750	1
TUC104-G-3 015	214 238	1.70	1.2	30	240	1.0	< 2	1.24	< 0.5	21	23	174	6.11	< 10	1	0.24	10	1.46	2020	4
TUC104-G-3 016	214 238	1.75	4.0	30	310	2.5	< 2	1.22	0.5	41	34	283	13.20	< 10	< 1	0.55	20	1.56	1965	9
TUC104-G-3 017	214 238	1.58	1.4	5	320	1.0	2	1.32	0.5	23	62	169	5.34	< 10	< 1	0.27	10	1.45	2060	4
TUC104-G-3 018	214 238	1.75	4.0	30	160	2.5	10	1.12	0.5	41	34	224	13.80	< 10	1	0.33	20	1.68	1885	< 1
TUC104-G-3 019	214 238	1.85	1.6	15	130	1.0	4	1.42	2.0	23	43	171	5.73	< 10	< 1	0.27	20	1.72	2020	3
TUC104-G-3 021	214 238	0.98	1.8	15	290	1.0	2	3.82	1.0	31	11	319	6.75	< 10	< 1	0.24	< 10	1.22	1620	3
TUC104-G-3 023	214 238	1.58	2.8	40	210	1.5	6	3.19	1.0	35	22	315	10.80	< 10	< 1	0.33	10	1.51	1880	3
TUC104-G-3 024	214 238	2.37	1.8	25	330	2.0	2	3.51	1.0	30	28	182	9.55	< 10	< 1	0.82	< 10	2.07	2760	< 1
TUC104-G-3 025	214 238	1.63	2.6	20	240	1.5	< 2	3.06	1.5	34	21	304	10.50	< 10	< 1	0.32	10	1.47	1855	1
TUC104-G-3 026	214 238	1.42	3.2	5	210	1.5	< 2	2.86	2.0	30	20	255	9.03	< 10	< 1	0.28	10	1.29	1875	9
TUC104-G-3 027	214 238	1.12	2.6	20	240	1.5	6	3.34	1.0	34	24	403	10.00	< 10	< 1	0.28	< 10	1.21	1680	7
TUC104-G-3 030	214 238	1.45	1.6	30	160	1.5	8	1.21	< 0.5	18	56	223	4.29	10	< 1	0.68	30	1.27	1325	4
TUC104-G-3 031	214 238	1.87	1.2	< 5	100	1.0	2	1.19	0.5	25	224	313	6.55	< 10	< 1	0.75	20	1.36	995	28

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CERTIFICATION : _____

Chemex Labs Ltd.
Analytical Chemists • Geochemists • Registered Assayers
212 BROOKBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To : COASTH RESEARCH INC.
80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9
Project :
Comments: ATTN: JACK STANLEY

CERTIFICATE OF ANALYSIS A8922774

SAMPLE DESCRIPTION	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
MG-104-G-3 054-	214	238	0.02	34	3360	58	< 5	16	189	0.19	< 10	< 10	348	60	114
MG-104-G-3 055-	214	238	0.02	80	1190	6	< 5	3	117	0.16	< 10	< 10	182	20	56
MG-104-G-3 056-	214	238	0.02	53	2060	30	5	12	155	0.20	< 10	< 10	330	50	92
MG-104-G-3 057-	214	238	0.02	34	2530	52	5	15	265	0.20	< 10	< 10	328	30	148
MG-104-G-3 065-	214	238	0.01	62	2400	32	< 5	15	205	0.21	< 10	< 10	308	40	146
MG-104-G-3 066-	214	238	0.01	5	2310	88	< 5	21	252	0.29	< 10	< 10	380	50	124
MG-104-G-3 067-	214	238	0.01	17	2130	18	< 5	18	209	0.25	< 10	< 10	348	40	188
MG-104-G-3 068-	214	238	0.04	25	2160	76	< 5	16	362	0.21	< 10	< 10	255	40	274
MG-104-G-3 069-	214	238	0.01	21	2060	212	< 5	10	202	0.14	< 10	< 10	178	40	264
MG-104-G-3 070-	214	238	0.01	19	3630	120	< 5	12	366	0.14	< 10	< 10	300	90	696
MG-104-G-4 008-	214	238	0.01	113	1860	12	< 5	6	197	0.23	< 10	< 10	119	10	60
MG-104-G-4 009-	214	238	0.03	75	1990	12	< 5	8	172	0.23	< 10	< 10	138	30	98
MG-104-G-4 010-	214	238	0.01	86	2340	8	< 5	7	271	0.19	< 10	< 10	114	20	52
MG-104-G-4 011-	214	238	0.01	32	2880	14	< 5	11	256	0.21	< 10	< 10	177	30	84
MG-104-G-4 012-	214	238	0.01	36	2500	16	< 5	8	290	0.17	< 10	< 10	152	20	66
MG-104-G-4 013-	214	238	0.01	33	3110	26	< 5	10	251	0.20	< 10	< 10	162	30	62
MG-104-G-4 016-	214	238	0.01	25	3410	12	< 5	13	288	0.28	< 10	< 10	179	30	62
MG-104-G-4 025-	214	238	0.07	81	4140	16	< 5	26	432	0.25	< 10	< 10	308	50	82
MG-104-G-4 026-	214	238	0.04	81	3430	14	< 5	12	411	0.16	< 10	< 10	140	40	106
MG-104-G-4 027-	214	238	0.03	67	2340	8	< 5	10	322	0.25	< 10	< 10	140	30	120
MGC104-G-3 040-	214	238	0.01	17	2480	70	< 5	23	142	0.32	< 10	< 10	338	30	110
MG-104-G-4 029-	214	238	0.01	33	1400	6	5	8	175	0.29	< 10	< 10	135	< 10	110
MG-104-G-4 030-	214	238	0.01	46	1260	2	< 5	6	99	0.27	< 10	< 10	99	< 10	108
MGC104-G-3 002-	214	238	0.01	244	1450	14	< 5	6	16	0.22	< 10	< 10	129	10	104
MGC104-G-3 004-	214	238	0.03	181	2150	8	< 5	6	107	0.16	< 10	< 10	144	270	74
MGC104-G-3 006-	214	238	0.03	32	1420	14	< 5	6	102	0.26	< 10	< 10	132	200	90
MGC104-G-3 014-	214	238	0.01	15	2730	60	< 5	15	71	0.10	< 10	< 10	187	90	194
MGC104-G-3 015-	214	238	0.01	14	2720	40	< 5	11	163	0.17	< 10	< 10	202	90	160
MGC104-G-3 016-	214	238	0.01	22	4140	78	< 5	17	140	0.20	< 10	< 10	371	70	204
MGC104-G-3 017-	214	238	0.02	24	2530	40	< 5	12	133	0.13	< 10	< 10	178	760	160
MGC104-G-3 018-	214	238	0.01	20	4290	64	< 5	19	134	0.19	< 10	< 10	432	70	170
MGC104-G-3 019-	214	238	0.01	24	3140	66	< 5	14	202	0.19	< 10	< 10	215	550	322
MGC104-G-3 021-	214	238	0.01	9	3950	50	< 5	11	217	0.06	< 10	< 10	167	50	134
MGC104-G-3 023-	214	238	0.01	17	4240	116	< 5	16	258	0.16	< 10	< 10	347	70	218
MGC104-G-3 024-	214	238	0.01	14	3650	72	5	20	349	0.24	< 10	< 10	374	60	256
MGC104-G-3 025-	214	238	0.01	16	4040	128	< 5	17	272	0.17	< 10	< 10	351	70	212
MGC104-G-3 026-	214	238	0.01	15	4250	92	< 5	15	241	0.14	< 10	< 10	296	50	194
MGC104-G-3 027-	214	238	0.01	16	4270	78	< 5	13	226	0.11	< 10	< 10	290	60	172
MGC104-G-3 030-	214	238	0.03	26	1920	40	< 5	7	187	0.14	< 10	< 10	158	140	106
MGC104-G-3 031-	214	238	0.02	73	1390	76	< 5	9	116	0.33	< 10	< 10	188	20	102

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CERTIFICATION : _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

PHONE (604) 984-0221

To : COAST RESEARCH INC.

80 NIODE ST.
NORTH VANCOUVER, B.C.
V7J 2C9

Project :
Comments: ATTN: JACK STANLEY

Page No. : 1-A
Tot. Pages: 4
Date : 14-AUG-89
Invoice # : I-8922774
P.O. # :

CERTIFICATE OF ANALYSIS A8922774

SAMPLE DESCRIPTION	PREP CODE		Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
UC104-G-3 032-	214	238	1.08	3.8	35	250	8.0	< 2	1.49	< 0.5	31	80	191	>15.00	< 10	3	0.28	30	1.18	>10000	366
UC104-G-3 033-	214	238	1.75	5.0	20	200	1.0	< 2	3.26	< 0.5	23	207	142	6.36	< 10	1	0.68	20	2.34	1130	3
UC104-G-3 035-	214	238	1.36	0.8	10	140	1.0	2	3.46	< 0.5	17	132	113	4.86	< 10	< 1	0.77	20	1.59	885	2
UC104-G-3 036-	214	238	1.48	1.4	< 5	160	1.5	2	3.31	0.5	19	99	198	4.71	< 10	< 1	0.60	30	1.44	1270	6
UC104-G-3 037-	214	238	1.82	1.2	< 5	150	1.5	< 2	3.47	< 0.5	24	180	564	6.87	< 10	1	0.50	20	2.03	1233	7
UC104-G-3 038-	214	238	1.90	1.2	15	110	1.0	< 2	1.35	< 0.5	18	238	133	8.24	< 10	< 1	0.49	20	1.49	890	16
UC104-G-3 040-	214	238	2.05	2.2	10	620	2.0	< 2	3.17	0.5	29	39	2360	7.46	< 10	1	0.92	10	1.82	2130	29
UC104-G-3 043-	214	238	1.79	1.8	20	470	2.0	< 2	2.29	< 0.5	23	57	978	8.12	< 10	3	1.11	20	1.73	8565	31
UC104-G-3 044-	214	238	1.49	1.4	15	310	1.5	< 2	1.24	0.5	19	45	1095	6.59	< 10	1	1.00	20	1.65	2530	33
UC104-G-4 007-	214	238	2.06	0.4	< 5	190	1.0	2	1.97	< 0.5	22	143	92	4.42	< 10	2	0.61	< 10	2.14	870	< 1
UC104-G-4 008-	214	238	1.84	0.6	35	180	0.5	< 2	1.50	< 0.5	21	173	83	3.45	< 10	< 1	0.52	10	2.18	610	< 1
UC104-G-4 009-	214	238	1.51	0.6	30	90	1.0	< 2	1.47	< 0.5	22	84	107	4.76	< 10	< 1	0.37	10	1.32	575	3
UC104-G-4 012-	214	238	1.58	0.8	55	420	1.5	< 2	2.27	< 0.5	25	57	127	6.25	10	1	0.63	10	1.38	705	7
UC104-G-4 013-	214	238	1.47	1.0	25	370	1.5	2	2.44	< 0.5	21	84	116	6.73	< 10	2	0.57	10	1.32	670	< 1
UC104-G-4 014-	214	238	1.33	0.8	85	220	1.5	< 2	3.01	< 0.5	22	43	126	7.12	< 10	< 1	0.31	< 10	1.14	795	< 1
UG-104-G-3 002-	214	238	2.78	0.4	25	140	0.5	4	1.39	< 0.5	32	734	146	4.46	< 10	2	1.19	10	4.65	710	3
UG-104-G-3 003-	214	238	1.20	5.8	5	170	1.0	2	1.37	< 0.5	15	79	608	3.73	10	< 1	0.39	20	1.30	890	4
UG-104-G-3 007-	214	238	2.60	1.4	10	340	1.5	< 2	4.77	< 0.5	28	46	697	9.12	10	2	1.05	< 10	2.58	1330	< 1
UG-104-G-3 008-	214	238	1.51	2.0	3	110	1.5	2	1.41	< 0.5	24	252	520	6.48	< 10	1	0.43	20	1.73	845	24
UG-104-G-3 012-	214	238	2.30	1.4	10	100	1.5	2	2.43	< 0.5	29	71	494	8.10	10	2	0.77	10	2.08	1075	< 1
UG-104-G-3 405-	214	238	1.92	1.4	15	100	1.0	2	0.75	0.5	39	8	248	6.69	< 10	< 1	0.18	10	1.21	1335	3

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CERTIFICATION : _____

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604 984 2737

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

PHONE (604) 984-0221

To: COASTE[illegible] RESEARCH INC.

80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9

Project :
Comments: ATTN: JACK STANLEY

Page No. : [illegible]
Tot. Pages: 4
Date : 14-AUG-89
Invoice # : I-8922774
P.O. # :

CERTIFICATE OF ANALYSIS A8922774

SAMPLE DESCRIPTION	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
XCI04-G-3 032-	214	238	0.01	35	850	30	< 5	5	763	0.13	< 10	< 10	74	400	112
XCI04-G-3 033-	214	238	0.01	66	1420	28	< 5	12	113	0.31	< 10	< 10	192	30	98
XCI04-G-3 035-	214	238	0.03	46	1480	32	< 5	8	139	0.25	< 10	< 10	160	240	86
XCI04-G-3 036-	214	238	0.02	41	2050	42	< 5	9	169	0.17	< 10	< 10	172	290	116
XCI04-G-3 037-	214	238	0.01	53	2070	34	< 5	15	127	0.21	< 10	< 10	267	30	808
XCI04-G-3 038-	214	238	0.01	47	1770	58	< 5	8	114	0.24	< 10	< 10	232	40	78
XCI04-G-3 041-	214	238	0.01	18	3520	58	5	27	315	0.22	< 10	< 10	369	50	164
XCI04-G-3 043-	214	238	0.01	21	3270	60	< 5	24	335	0.27	< 10	< 10	401	50	140
XCI04-G-3 044-	214	238	0.01	15	2770	40	< 5	17	225	0.27	< 10	< 10	284	30	116
XCI04-G-4 007-	214	238	0.01	69	2460	2	< 5	10	201	0.27	< 10	< 10	164	20	60
XCI04-G-4 008-	214	238	0.01	86	2470	8	< 5	7	262	0.19	< 10	< 10	120	10	58
XCI04-G-4 009-	214	238	0.01	42	2560	10	< 5	8	200	0.27	< 10	< 10	172	10	70
XCI04-G-4 012-	214	238	0.01	22	3890	28	< 5	14	299	0.31	< 10	< 10	223	30	78
XCI04-G-4 013-	214	238	0.01	28	4140	12	< 5	13	298	0.28	< 10	< 10	222	30	60
XCI04-G-4 014-	214	238	0.01	15	3920	10	5	14	271	0.23	< 10	< 10	249	40	56
XCI04-G-3 002-	214	238	0.04	360	1870	10	5	5	71	0.21	< 10	< 10	138	80	68
XCI04-G-3 005-	214	238	0.03	35	1720	18	< 5	6	176	0.15	< 10	< 10	148	210	80
XCI04-G-3 007-	214	238	0.01	23	4360	10	< 5	35	222	0.20	< 10	< 10	324	80	108
XCI04-G-3 008-	214	238	0.01	65	2310	74	< 5	8	134	0.18	< 10	< 10	229	60	78
XCI04-G-3 012-	214	238	0.05	33	2950	14	5	19	162	0.27	< 10	< 10	396	60	96
XCI04-G-3 405-	214	238	0.01	11	2440	34	< 5	6	125	0.17	< 10	< 10	122	40	178

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CERTIFICATION : _____

Chemex Labs Ltd.
Analytical Chemists • Geochemists • Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
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PHONE (604) 984-0221

To: OASTECH RESEARCH INC.
80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9
Project : MINIGOLD
Comments: ATTN: JACK STANLEY

Date : 17-AUG-89
Invoice # : I-8923074
P.O. # : 89-4099

CERTIFICATE OF ANALYSIS A8923074

SAMPLE DESCRIPTION	PREP CODE	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
24742 MG	214 238	2.57	< 0.2	35	260	0.5	< 2	1.87	< 0.5	29	47	24	6.64	< 10	< 1	1.27	< 10	1.91	870	< 1
24743 MG	214 238	1.91	< 0.2	< 5	80	< 0.5	< 2	1.47	< 0.5	20	144	114	4.04	< 10	< 1	0.20	< 10	1.33	655	< 1
24744 MG	214 238	1.49	< 0.2	30	170	< 0.5	4	0.40	< 0.5	13	161	65	2.71	< 10	< 1	0.36	20	0.85	1065	< 1
24745 MG (Recon)	214 238	3.36	< 0.2	< 5	90	< 0.5	< 2	1.66	< 0.5	35	264	214	5.77	< 10	< 1	0.19	< 10	2.85	875	< 1
24746 MG	214 238	0.20	< 0.2	15	10	< 0.5	< 2	>15.00	< 0.5	3	5	16	0.35	< 10	< 1	0.01	< 10	0.37	90	< 1
24747 MG	214 238	2.34	< 0.2	30	170	0.5	< 2	1.64	< 0.5	34	100	33	9.07	< 10	< 1	0.13	< 10	2.02	1065	< 1
24748 MG	214 238	0.13	< 0.2	30	50	0.5	< 2	0.16	< 0.5	3	536	14	2.19	< 10	2	< 0.01	< 10	0.04	690	1
24749 MG	214 238	3.41	< 0.2	15	80	< 0.5	< 2	2.08	< 0.5	30	246	73	5.66	< 10	< 1	0.05	< 10	2.70	870	< 1
T 076 MG	214 238	3.33	< 0.2	65	40	1.0	< 2	1.29	< 0.5	18	57	175	6.55	< 10	< 1	0.18	10	2.05	1140	< 1
T 245 MG ?	214 238	2.98	< 0.2	10	20	0.5	< 2	1.50	< 0.5	19	17	135	5.49	< 10	2	0.13	10	1.75	950	< 1
T 0735 MG	214 238	2.44	2.6	35	1290	3.0	2	0.70	< 0.5	44	33	302	8.68	< 10	9	0.30	20	1.28	3720	12
T 0745 MG	214 238	3.29	< 0.2	80	50	< 0.5	< 2	1.63	< 0.5	28	63	516	6.15	20	< 1	0.45	30	2.77	1275	2
T 0755 MG	214 238	3.42	< 0.2	< 5	70	< 0.5	< 2	0.60	< 0.5	32	33	243	7.15	10	< 1	0.84	20	2.99	1235	< 1
T 0775 MG	214 238	2.68	< 0.2	< 5	50	< 0.5	< 2	0.94	1.0	33	33	326	7.18	20	< 1	0.50	20	2.44	1900	< 1
T 0805 MG	214 238	3.34	< 0.2	< 5	20	0.5	< 2	1.33	0.5	26	195	376	5.44	10	< 1	0.11	20	2.71	815	1
T 0815 MG	214 238	3.01	< 0.2	< 5	60	0.5	< 2	1.10	1.0	28	72	1495	6.54	10	< 1	0.24	30	2.65	965	< 1
T 0825 MG	214 238	2.56	< 0.2	< 5	20	0.5	< 2	1.72	< 0.5	17	85	253	4.88	10	< 1	0.05	20	1.58	700	< 1
T 0835 MG	214 238	3.39	< 0.2	< 5	20	0.5	< 2	1.13	< 0.5	18	167	272	4.89	10	< 1	0.06	20	1.73	640	< 1
T 0845 MG	214 238	2.61	< 0.2	< 5	20	< 0.5	< 2	0.99	< 0.5	15	107	150	5.92	10	< 1	0.09	20	1.34	460	1
T 0855 MG	214 238	2.28	< 0.2	45	50	< 0.5	< 2	0.73	< 0.5	23	240	272	4.62	< 10	1	0.05	20	2.10	540	2
T 0865 MG	214 238	2.26	< 0.2	< 5	30	0.5	< 2	0.42	0.5	11	96	82	3.68	10	< 1	0.05	20	1.15	485	2
T 0875 MG	214 238	2.66	< 0.2	< 5	20	< 0.5	< 2	0.86	< 0.5	16	63	134	5.27	10	2	0.08	20	1.30	665	1
T 0885 MG	214 238	3.04	< 0.2	< 5	40	0.5	< 2	0.88	0.5	24	180	162	5.22	10	2	0.04	20	1.52	1270	1
T 0895 MG	214 238	2.93	< 0.2	< 5	20	0.5	< 2	1.37	< 0.5	18	68	315	5.14	10	< 1	0.11	30	1.85	740	1
T 0905 MG	214 238	2.42	< 0.2	< 5	30	0.5	< 2	1.35	< 0.5	21	69	312	4.83	10	< 1	0.11	20	1.69	960	1
T 0915 MG	214 238	3.64	< 0.2	< 5	50	0.5	< 2	3.42	1.5	32	34	147	7.43	20	2	0.83	20	3.22	1520	< 1
T 0925 MG	214 238	4.01	< 0.2	< 5	20	0.5	< 2	0.65	0.5	17	117	168	6.04	10	1	0.07	20	1.51	430	2
T 0935 MG	214 238	3.04	< 0.2	15	30	0.5	< 2	0.56	< 0.5	15	119	237	4.84	10	< 1	0.04	20	1.15	475	3
T 0945 MG	214 238	2.56	1.8	< 5	140	1.5	< 2	1.22	0.5	43	24	2800	11.95	20	< 1	0.17	40	1.94	2860	13
T 0955 MG	214 238	2.48	1.0	< 5	140	1.0	< 2	0.62	0.5	27	101	1375	6.22	10	< 1	0.06	20	1.08	1530	4
T 0965 MG	214 238	4.22	< 0.2	10	40	0.5	< 2	4.59	< 0.5	34	63	193	8.58	20	< 1	0.27	20	3.08	1835	< 1
T 0975 MG	214 238	2.84	< 0.2	< 5	180	0.5	2	2.20	< 0.5	20	74	1490	6.74	20	< 1	0.59	40	2.55	1390	1
T 0985 MG	214 238	2.44	< 0.2	40	100	0.5	< 2	1.73	< 0.5	44	49	230	5.37	10	2	0.06	30	1.34	780	1
T 0995 MG	214 238	2.19	0.8	10	30	< 0.5	2	0.95	< 0.5	15	121	199	4.11	10	5	0.12	20	1.53	440	< 1
T 1005 MG	214 238	2.39	0.4	20	20	< 0.5	2	0.88	< 0.5	12	78	103	4.64	10	< 1	0.03	20	0.84	575	1
T 1025 MG	214 238	2.24	0.4	< 5	50	0.5	2	0.59	< 0.5	22	100	385	5.66	10	< 1	0.07	20	1.37	1035	3
T 1035 MG	214 238	2.49	< 0.2	< 5	30	< 0.5	< 2	1.29	< 0.5	24	180	649	4.62	10	< 1	0.10	20	2.35	1020	< 1
T 1045 MG	214 238	2.58	< 0.2	< 5	40	0.5	2	1.46	0.5	28	193	938	4.94	10	1	0.19	30	2.92	855	< 1
T 1055 MG	214 238	2.56	< 0.2	10	20	0.5	4	1.20	< 0.5	20	130	562	4.40	10	1	0.09	20	2.05	700	< 1
T 1065 MG	214 238	2.55	< 0.2	30	80	0.5	2	1.75	< 0.5	37	69	8290	7.03	20	< 1	0.57	30	2.81	1220	< 1

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To ASTECH RESEARCH INC.
80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9
Project : MINIGOLD
Comments: ATTN: JACK STANLEY

Page No. :1-B
Tot. Pages :
Date :17-NOV-
Invoice # :I-8923074
P.O. # :89-4049

CERTIFICATE OF ANALYSIS A8923074

SAMPLE DESCRIPTION	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
24742 MG	214 238	0.03	31	920	8	10	6	90	0.84	< 10	< 10	177	< 10	120
24743 MG	214 238	0.05	39	830	2	< 5	4	27	0.87	< 10	< 10	99	< 10	56
24744 MG	214 238	0.01	22	410	6	< 5	1	18	< 0.01	< 10	< 10	12	< 10	58
24745 MG	214 238	0.02	94	890	6	10	6	54	0.86	< 10	< 10	114	< 10	106
24746 MG	214 238	< 0.01	1	270	< 2	10	1	1380	0.03	< 10	< 10	8	< 10	8
24747 MG	214 238	0.03	32	1120	< 2	5	7	68	0.68	< 10	< 10	196	< 10	118
24748 MG	214 238	< 0.01	13	80	432	< 5	2	10	0.01	< 10	< 10	6	< 10	92
24749 MG	214 238	< 0.02	87	1010	10	10	7	73	0.86	< 10	< 10	127	< 10	90
T 076 MG	214 238	0.01	20	1860	< 2	< 5	12	68	0.19	< 10	< 10	335	< 10	126
T 245 MG	214 238	< 0.01	7	1780	< 2	< 5	13	202	0.17	< 10	< 10	286	< 10	122
T 0735 MG	214 238	0.01	19	3680	6	< 5	13	65	0.06	< 10	< 10	390	< 10	198
T 0745 MG	214 238	0.03	34	2170	16	5	18	59	0.24	< 10	< 10	320	< 10	132
T 0755 MG	214 238	0.01	15	2420	26	< 5	11	37	0.36	< 10	< 10	393	< 10	172
T 0775 MG	214 238	0.01	16	1680	2	< 5	13	37	0.27	< 10	< 10	401	< 10	138
T 0805 MG	214 238	0.02	97	1290	< 2	5	11	57	0.21	< 10	< 10	255	< 10	90
T 0815 MG	214 238	0.01	45	2040	< 2	< 5	17	69	0.19	< 10	< 10	340	< 10	140
T 0825 MG	214 238	0.01	40	1150	12	< 5	10	81	0.18	< 10	< 10	273	< 10	66
T 0835 MG	214 238	0.01	57	1460	2	5	6	69	0.18	< 10	< 10	245	< 10	84
T 0845 MG	214 238	0.01	33	1340	2	< 5	8	64	0.24	< 10	< 10	259	< 10	60
T 0855 MG	214 238	0.02	125	1480	< 2	< 5	5	44	0.17	< 10	< 10	151	< 10	66
T 0865 MG	214 238	0.02	57	1190	< 2	< 5	3	29	0.14	< 10	< 10	149	< 10	62
T 0875 MG	214 238	0.01	18	1010	8	< 5	7	59	0.24	< 10	< 10	241	< 10	76
T 0885 MG	214 238	0.01	54	1800	4	< 5	3	39	0.08	< 10	< 10	216	< 10	90
T 0895 MG	214 238	0.01	26	1940	12	< 5	10	53	0.18	< 10	< 10	254	< 10	88
T 0905 MG	214 238	0.01	31	1430	< 2	< 5	9	54	0.18	< 10	< 10	240	< 10	82
T 0915 MG	214 238	0.01	15	2410	< 2	5	22	114	0.26	< 10	< 10	469	< 10	138
T 0925 MG	214 238	0.01	41	1100	< 2	5	5	37	0.22	< 10	< 10	196	< 10	66
T 0935 MG	214 238	0.02	41	1040	14	< 5	5	32	0.16	< 10	< 10	178	< 10	64
T 0945 MG	214 238	0.01	21	4040	< 2	5	21	64	0.11	< 10	< 10	415	< 10	244
T 0955 MG	214 238	0.01	44	1650	< 2	< 5	10	35	0.11	< 10	< 10	191	< 10	102
T 0965 MG	214 238	0.01	25	1640	< 2	< 5	30	43	0.26	< 10	< 10	412	< 10	138
T 0975 MG	214 238	0.02	41	2180	6	5	21	104	0.24	< 10	< 10	324	< 10	142
T 0985 MG	214 238	0.02	17	1560	2	5	10	98	0.21	< 10	< 10	287	< 10	76
T 0995 MG	214 238	0.02	48	1330	4	< 5	6	57	0.21	< 10	< 10	183	< 10	54
T 1005 MG	214 238	0.01	23	1080	8	< 5	5	56	0.25	< 10	< 10	214	< 10	56
T 1025 MG	214 238	0.02	47	1510	< 2	< 5	5	33	0.13	< 10	< 10	234	< 10	88
T 1035 MG	214 238	0.01	86	1840	< 2	< 5	9	45	0.17	< 10	< 10	252	< 10	88
T 1045 MG	214 238	0.01	130	1910	2	< 5	10	41	0.17	< 10	< 10	247	< 10	86
T 1055 MG	214 238	0.01	70	1640	< 2	< 5	8	38	0.17	< 10	< 10	234	< 10	82
T 1065 MG	214 238	0.01	69	2770	< 2	< 5	12	92	0.16	< 10	< 10	379	< 10	180

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
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PHONE (604) 984-0221

To: STECH RESEARCH INC.
80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9
Project : MINIGOLD
Comments: ATTN: JACK STANLEY

Date :17-AUG-89
Invoice #: I-8923074
P.O. # :89-4099

CERTIFICATE OF ANALYSIS A8923074

SAMPLE DESCRIPTION	PREP CODE	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
1075 MG	214 238	3.24	< 0.2	< 5	150	< 0.5	< 2	2.23	< 0.5	37	85	1490	7.18	20	< 1	0.63	40	3.18	1280	1
1085 MG	214 238	2.68	< 0.2	< 5	100	< 0.5	< 2	1.50	1.0	36	60	1040	9.21	20	< 1	0.45	30	2.15	1210	3
1095 MG	214 238	2.92	< 0.2	< 5	160	< 0.5	< 2	1.61	0.5	41	50	1995	10.35	20	< 1	0.96	40	3.05	1735	< 1
1105 MG	214 238	2.26	< 0.2	< 5	110	< 0.5	< 2	1.56	0.5	41	36	2120	11.45	20	< 1	0.93	40	2.17	1425	< 1
1115 MG	214 238	2.97	< 0.2	< 5	140	< 0.5	< 2	1.81	1.0	43	33	5880	9.30	20	< 1	1.06	40	3.11	1535	< 1
1125 MG	214 238	2.91	< 0.2	< 5	30	< 0.5	< 2	0.77	1.0	20	82	327	7.08	20	< 1	0.05	20	1.05	1215	3
1135 MG	214 238	3.02	0.4	< 5	40	< 0.5	< 2	0.60	0.5	23	109	182	6.32	10	< 1	0.05	20	0.98	1565	1
1145 MG	214 238	2.30	< 0.2	< 5	20	< 0.5	< 2	1.29	< 0.5	23	107	424	5.82	10	< 1	0.07	30	1.59	755	< 1
1155 MG	214 238	2.01	< 0.2	< 5	20	< 0.5	< 2	0.56	< 0.5	7	72	72	3.18	< 10	< 1	0.03	10	0.57	265	2
1165 MG	214 238	2.91	< 0.2	< 5	20	< 0.5	< 2	0.56	0.5	14	116	137	4.12	10	< 1	0.06	10	1.34	315	1
1175 MG	214 238	3.13	< 0.2	25	200	< 0.5	< 2	2.46	< 0.5	37	21	1185	8.40	20	< 1	1.10	30	3.29	1470	< 1
1185 MG	214 238	2.13	< 0.2	20	70	< 0.5	< 2	0.74	< 0.5	27	118	237	4.54	< 10	< 1	0.16	20	1.96	1210	2
1195 MG	214 238	1.52	1.2	10	60	< 0.5	< 2	0.45	< 0.5	17	86	193	3.44	< 10	< 1	0.16	10	1.18	725	3
1205 MG	214 238	2.11	0.4	< 5	30	< 0.5	< 2	0.53	< 0.5	15	66	80	6.58	10	< 1	0.04	10	0.71	935	4
1215 MG	214 238	3.15	< 0.2	35	30	< 0.5	< 2	0.54	< 0.5	20	87	105	6.18	10	< 1	0.07	20	1.33	765	3
1225 MG	214 238	2.38	< 0.2	55	60	1.0	< 2	0.68	< 0.5	22	38	565	4.80	10	< 1	0.42	30	2.33	1680	3
1235 MG	214 238	3.46	< 0.2	45	20	< 0.5	< 2	0.30	< 0.5	12	110	177	4.33	10	< 1	0.03	10	0.95	315	1
1265 MG	214 238	2.68	< 0.2	25	70	< 0.5	< 2	0.92	< 0.5	28	64	478	5.86	10	< 1	0.47	30	2.20	1295	3
1275 MG	214 238	2.84	< 0.2	< 5	100	< 0.5	2	0.71	0.5	27	80	605	5.28	10	< 1	0.31	20	2.06	1490	3
1285 MG	214 238	2.47	< 0.2	15	110	< 0.5	< 2	1.11	< 0.5	31	137	845	5.18	10	< 1	0.31	20	2.43	910	1
104G3 020-S	214 238	2.10	1.6	< 5	40	< 0.5	< 2	1.10	0.5	6	22	57	3.97	10	< 1	0.08	20	0.91	850	56
104G3 021-S	214 238	2.85	< 0.2	40	40	< 0.5	< 2	1.38	< 0.5	22	16	540	6.33	10	< 1	0.36	30	2.10	1755	3
104G3 022-S	214 238	2.15	0.2	< 5	80	< 0.5	< 2	0.73	< 0.5	23	12	106	5.04	10	< 1	0.35	20	1.44	1770	2
104G3 023-S	214 238	1.23	0.8	< 5	60	< 0.5	< 2	0.48	< 0.5	10	9	70	3.10	10	< 1	0.11	10	0.55	1185	9
104G3 024-S	214 238	2.10	0.4	10	90	< 0.5	< 2	1.47	< 0.5	33	25	279	7.08	10	< 1	0.40	30	1.72	2120	17
104G3 025-S	214 238	2.54	0.4	55	80	< 0.5	< 2	1.11	< 0.5	29	22	201	6.95	10	< 1	0.20	30	1.85	3100	15
104G3 026-S	214 238	2.48	0.4	10	60	< 0.5	< 2	1.29	< 0.5	37	22	274	7.12	10	< 1	0.38	30	1.89	3550	17
104G3 027-S	214 238	1.49	< 0.2	< 5	20	< 0.5	< 2	0.22	0.5	4	12	24	2.06	< 10	< 1	0.05	10	0.18	295	4
104G3 028-S	214 238	2.05	< 0.2	5	70	< 0.5	< 2	1.37	< 0.5	49	20	462	9.50	20	< 1	0.50	30	1.93	1815	11
104G3 029-S	214 238	1.96	< 0.2	< 5	50	< 0.5	< 2	1.01	< 0.5	41	18	453	8.65	10	< 1	0.40	30	1.85	1435	9
104G3 030-S	214 238	1.86	0.4	25	50	< 0.5	< 2	0.87	< 0.5	29	18	118	6.45	10	< 1	0.35	20	1.70	1625	2
104G3 031-S	214 238	1.65	< 0.2	< 5	50	< 0.5	2	0.44	< 0.5	20	12	130	4.39	10	< 1	0.28	20	1.02	1195	3
104G3 032-S	214 238	1.69	0.4	< 5	40	< 0.5	< 2	0.99	< 0.5	18	18	261	5.43	10	< 1	0.25	20	1.13	1310	5
104G3 033-S	214 238	2.16	< 0.2	< 5	70	< 0.5	4	1.16	0.5	20	18	182	6.47	10	< 1	0.26	30	1.48	1145	20
104G3 034-S	214 238	1.88	3.2	15	30	< 0.5	< 2	0.50	< 0.5	9	13	39	4.00	10	< 1	0.14	10	0.97	820	8
104G3 035-S	214 238	1.67	0.6	40	90	0.5	2	1.12	< 0.5	21	18	63	5.12	10	< 1	0.19	20	1.15	2040	11
104G3 036-S	214 238	2.15	0.4	25	40	< 0.5	< 2	0.78	< 0.5	13	21	47	7.16	10	2	0.14	20	0.78	1415	7
104G3 037-S	214 238	2.42	0.4	< 5	40	< 0.5	< 2	0.60	< 0.5	14	18	55	5.63	10	< 1	0.11	20	0.72	1415	6
104G3 038-S	214 238	0.76	0.4	< 5	20	< 0.5	< 2	0.29	< 0.5	5	14	29	4.64	< 10	< 1	0.06	10	0.11	305	3
104G3 039-S	214 238	1.13	0.4	25	70	0.5	< 2	0.39	< 0.5	8	8	20	3.61	< 10	< 1	0.06	10	0.27	645	3

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: C TECH RESEARCH INC.
80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9
Project : MINIGOLD
Comments: ATTN: JACK STANLEY

Page No. : 2-B
Tot. Pages: 3
Date : 17-AUG-89
Invoice # : I-8923074
P.O. # : 89-4099

CERTIFICATE OF ANALYSIS A8923074

SAMPLE DESCRIPTION	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
1075 MG	214 238	0.02	58	2660	10	10	20	90	0.26	< 10	< 10	363	< 10	166
1085 MG	214 238	0.01	37	2580	22	10	12	71	0.24	< 10	< 10	568	< 10	152
1095 MG	214 238	0.01	35	3280	24	5	20	72	0.26	< 10	< 10	628	< 10	196
1105 MG	214 238	0.01	18	2940	< 2	5	13	73	0.17	< 10	< 10	773	< 10	148
1115 MG	214 238	0.01	21	3550	< 2	10	17	89	0.20	< 10	< 10	630	< 10	204
1125 MG	214 238	0.01	20	1310	14	5	6	61	0.23	< 10	< 10	339	< 10	84
1135 MG	214 238	0.01	29	1250	2	< 5	4	36	0.18	< 10	< 10	247	< 10	86
1145 MG	214 238	0.01	42	1410	6	5	8	68	0.22	< 10	< 10	250	< 10	70
1155 MG	214 238	0.01	15	650	22	< 5	4	41	0.25	< 10	< 10	146	< 10	38
1165 MG	214 238	0.02	57	1370	6	< 5	4	32	0.14	< 10	< 10	143	< 10	54
1175 MG	214 238	0.01	18	3210	< 2	5	27	135	0.24	< 10	< 10	428	< 10	152
1185 MG	214 238	0.01	59	1050	6	< 5	5	46	0.18	< 10	< 10	148	< 10	80
1195 MG	214 238	0.02	41	930	8	< 5	3	26	0.10	< 10	< 10	110	< 10	66
1205 MG	214 238	0.01	19	750	2	< 5	5	44	0.26	< 10	< 10	246	< 10	76
1215 MG	214 238	0.02	30	1060	< 2	< 5	5	33	0.23	< 10	< 10	198	< 10	92
1225 MG	214 238	0.01	15	1220	14	< 5	15	51	0.18	< 10	< 10	209	< 10	130
1235 MG	214 238	0.01	36	1100	< 2	< 5	3	17	0.13	< 10	< 10	129	< 10	66
1265 MG	214 238	0.01	39	2020	< 2	5	13	47	0.24	< 10	< 10	305	< 10	110
1275 MG	214 238	0.02	42	1910	10	5	11	40	0.22	< 10	< 10	231	< 10	110
1285 MG	214 238	0.02	97	1720	< 2	5	10	56	0.22	< 10	< 10	216	< 10	80
104G3 020-S	214 238	0.02	9	1200	140	5	6	118	0.15	< 10	< 10	189	< 10	138
104G3 021-S	214 238	< 0.01	10	2460	52	< 5	11	152	0.22	< 10	< 10	266	< 10	228
104G3 022-S	214 238	0.02	6	2000	16	5	5	68	0.12	< 10	< 10	180	< 10	186
104G3 023-S	214 238	0.02	6	1240	26	5	1	48	0.07	< 10	< 10	117	< 10	102
104G3 024-S	214 238	0.01	11	2550	34	5	14	116	0.17	< 10	< 10	284	< 10	214
104G3 025-S	214 238	0.01	12	1980	54	< 5	10	122	0.14	< 10	< 10	273	< 10	306
104G3 026-S	214 238	0.01	13	1960	30	5	15	129	0.17	< 10	< 10	279	10	266
104G3 027-S	214 238	0.03	4	890	6	< 5	1	24	0.10	< 10	< 10	53	< 10	42
104G3 028-S	214 238	< 0.01	15	3460	44	10	14	141	0.21	< 10	< 10	363	10	154
104G3 029-S	214 238	< 0.01	15	3030	26	5	12	105	0.23	< 10	< 10	330	< 10	134
104G3 030-S	214 238	0.01	12	2070	6	5	9	101	0.25	< 10	< 10	299	< 10	142
104G3 031-S	214 238	0.06	8	1950	14	< 5	5	40	0.21	< 10	< 10	154	< 10	90
104G3 032-S	214 238	0.05	9	2130	34	< 5	10	65	0.19	< 10	< 10	223	< 10	100
104G3 033-S	214 238	0.04	20	1950	20	< 5	9	93	0.17	< 10	< 10	243	< 10	218
104G3 034-S	214 238	0.03	7	1860	32	< 5	3	67	0.12	< 10	< 10	161	< 10	98
104G3 035-S	214 238	0.02	8	1290	16	< 5	6	106	0.17	< 10	< 10	218	< 10	114
104G3 036-S	214 238	0.01	7	1890	32	5	6	102	0.20	< 10	< 10	257	< 10	96
104G3 037-S	214 238	0.01	6	1340	40	5	4	80	0.16	< 10	< 10	207	< 10	94
104G3 038-S	214 238	< 0.01	5	750	8	< 5	2	42	0.21	< 10	< 10	214	< 10	48
104G3 039-S	214 238	0.02	6	1620	6	< 5	< 1	40	0.07	< 10	< 10	105	< 10	70

CERTIFICATION : B. Caughlin

AUG 21 '89 13:07 COMSTECH RESEARCH

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: .STECH RESEARCH INC.
80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9
Project : MINIGOLD
Comments: ATTN: JACK STANLEY

Date : 17-AUG-89
Invoice # : I-8923074
P.O. # : 89-4099

CERTIFICATE OF ANALYSIS A8923074

SAMPLE DESCRIPTION	PREP CODE		Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
G104G3 040-S	214	238	1.17	< 0.2	5	60	< 0.5	< 2	0.35	< 0.5	10	15	23	4.53	10	< 1	0.08	10	0.21	1355	3
G104G3 041-S	214	238	1.40	< 0.2	40	50	< 0.5	< 2	0.38	< 0.5	7	12	24	4.21	10	1	0.08	10	0.20	600	6
G104G3 042-S	214	238	1.37	< 0.2	< 5	50	< 0.5	< 2	0.39	0.5	6	15	31	5.72	10	< 1	0.09	10	0.30	375	< 1
G104G3 043-S	214	238	2.03	0.8	35	50	< 0.5	< 2	0.60	< 0.5	39	13	311	6.45	10	< 1	0.20	20	0.75	1885	19
G104G3 044-S	214	238	2.07	0.4	70	50	< 0.5	< 2	0.20	< 0.5	8	15	77	7.71	10	< 1	0.06	10	0.41	400	7
G104G3 045-S	214	238	1.76	0.8	65	40	< 0.5	< 2	0.47	< 0.5	8	15	58	5.76	10	< 1	0.11	10	0.48	585	7
G104G3 046-S	214	238	1.27	0.6	10	30	< 0.5	< 2	0.26	< 0.5	3	17	27	4.00	10	< 1	0.06	10	0.14	180	4
GC104G3 051R	214	238	1.07	< 0.2	45	270	< 0.5	< 2	6.10	< 0.5	47	388	192	4.83	< 10	< 1	0.42	< 10	3.81	1305	< 1
GC104G3 052R	214	238	0.22	0.4	45	1340	< 0.5	< 2	7.72	< 0.5	34	98	141	5.22	< 10	< 1	0.20	< 10	2.27	3170	5
GC104G3 053R	214	238	0.70	81.0	< 5	1570	< 0.5	< 20	0.36	0.5	14	29	>10000	3.51	< 10	< 1	0.38	20	0.13	405	40
GC104G3 060R	214	238	0.31	< 0.2	10	130	< 0.5	< 2	4.58	< 0.5	18	171	51	4.28	< 10	< 1	0.20	< 10	2.09	1260	< 1
GC104G3 061R	214	238	0.52	0.8	50	710	0.5	< 2	0.06	< 0.5	5	30	118	1.23	< 10	< 1	0.35	10	0.04	600	21
GC104G3 063R	214	238	0.69	0.4	35	280	< 0.5	2	0.19	< 0.5	6	28	27	1.33	< 10	< 1	0.54	20	0.10	110	4
GC104G3 064R	214	238	0.26	< 0.2	25	110	< 0.5	< 2	0.02	< 0.5	9	24	161	6.55	< 10	< 1	0.20	< 10	0.03	15	10
GC104G3 098R	214	238	0.26	< 0.2	20	650	< 0.5	2	0.35	< 0.5	8	82	171	1.84	< 10	< 1	0.24	< 10	0.17	355	2
GC104G3 099R	214	238	0.51	1.2	< 5	210	< 0.5	2	1.48	< 0.5	8	109	443	1.34	< 10	1	0.37	20	0.58	405	1
GC104G3 100R	214	238	1.16	0.6	< 5	250	< 0.5	< 2	1.51	1.5	23	99	1335	6.04	10	< 1	0.99	20	1.35	480	< 1
GC104G3 108R	214	238	1.77	< 0.2	35	60	< 0.5	< 2	1.12	< 0.5	57	135	94	4.61	< 10	< 1	0.21	10	1.74	510	< 1
GC104G3 110R	214	238	1.77	< 0.2	20	40	< 0.5	< 2	1.04	< 0.5	19	226	424	5.09	10	< 1	0.69	20	1.76	330	29
GC104G3 111R	214	238	0.38	0.4	10	1900	< 0.5	< 2	0.04	< 0.5	4	12	380	3.98	< 10	< 1	0.22	< 10	0.06	220	169
GC104G3 115R	214	238	0.69	1.0	15	330	< 0.5	< 2	0.03	< 0.5	3	25	22	1.64	< 10	< 1	0.44	20	0.07	25	4
GC104G3 119R	214	238	2.37	< 0.2	< 5	60	< 0.5	2	1.48	< 0.5	42	259	380	6.62	10	12	0.81	10	2.40	575	13
GC104G3 120R	214	238	1.24	< 0.2	10	120	< 0.5	2	1.11	< 0.5	8	67	147	3.64	10	< 1	0.78	20	1.34	1135	1
GC104G3 121R	214	238	0.13	0.4	5	280	< 0.5	< 2	3.46	< 0.5	18	21	1045	6.14	10	< 1	0.08	30	0.91	2320	46
GC104G3 177R	214	238	1.09	58.8	25	110	< 0.5	40	0.83	< 0.5	21	43	>10000	3.28	10	< 1	0.60	20	1.44	575	4
GC104G3 181R	214	238	1.39	0.6	15	240	0.5	< 2	1.09	< 0.5	14	63	2930	4.94	10	< 1	1.09	20	1.22	1660	2
GC104G3 182R	214	238	0.26	3.6	185	870	< 0.5	8	2.33	3.5	11	83	4040	1.95	< 10	< 1	0.25	20	0.97	650	3
GC104G3 184R	214	238	0.40	< 0.2	5	1760	0.5	< 20	0.13	< 0.5	5	57	>10000	0.77	< 10	< 1	0.33	20	0.08	390	3
GC104G3 188R	214	238	0.11	1.4	40	1070	< 0.5	2	0.21	< 0.5	8	242	678	1.31	< 10	< 1	0.04	< 10	0.07	1035	3
GC104G3 189R	214	238	0.63	15.4	30	340	< 0.5	< 20	1.21	< 0.5	25	58	>10000	12.30	20	< 1	0.42	40	0.55	435	2
GC104G3 260ER	214	238	0.17	7.2	540	30	< 0.5	< 2	0.82	1.0	40	76	631	11.65	10	< 1	0.16	10	0.14	1740	88
GC104G3 1104	214	238	0.34	2.0	210	240	< 0.5	2	5.65	1.0	29	122	2220	4.28	< 10	5	0.27	< 10	1.24	660	266

110A 3V

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.
Analytical Chemists • Geochemists • Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: \STECH RESEARCH INC.
80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9
Project : MINIGOLD
Comments: ATTN: JACK STANLEY

Page No. : 3-B
Tot. Pages: 3
Date : 17-AUG-8\
Invoice # : I-8923074
P.O. # : 89-4099

CERTIFICATE OF ANALYSIS A8923074

SAMPLE DESCRIPTION	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
104G3 040-S	214	238	0.01	3	1380	34	< 5	2	39	0.11	< 10	< 10	157	< 10	62
104G3 041-S	214	238	0.01	4	870	22	< 5	2	48	0.16	< 10	< 10	178	< 10	50
104G3 042-S	214	238	0.01	5	1010	14	< 5	3	53	0.24	< 10	< 10	199	< 10	56
104G3 043-S	214	238	0.01	6	2270	98	< 5	4	76	0.11	< 10	< 10	162	< 10	104
104G3 044-S	214	238	< 0.01	7	950	6	< 5	3	34	0.22	< 10	< 10	187	< 10	62
104G3 045-S	214	238	< 0.01	8	980	12	5	4	67	0.18	< 10	< 10	208	10	70
104G3 046-S	214	238	0.01	6	2210	22	< 5	1	35	0.13	< 10	< 10	131	< 10	48
C104G3 051R	214	238	0.01	214	1120	< 2	5	19	181	0.04	< 10	< 10	105	20	46
C104G3 052R	214	238	< 0.01	42	1140	< 2	5	19	200	0.01	< 10	< 10	92	20	116
C104G3 053R	214	238	< 0.01	2	690	48	10	3	88	< 0.01	< 10	< 10	88	100	360
C104G3 060R	214	238	0.01	8	1700	8	5	10	170	0.04	< 10	< 10	103	10	82
C104G3 061R	214	238	< 0.01	1	210	174	< 5	< 1	42	< 0.01	< 10	< 10	12	< 10	36
C104G3 063R	214	238	< 0.01	1	270	4	< 5	< 1	26	< 0.01	< 10	< 10	15	< 10	24
C104G3 064R	214	238	< 0.01	4	100	6	5	< 1	32	< 0.01	< 10	< 10	5	10	24
C104G3 098R	214	238	0.03	5	230	20	5	5	347	< 0.01	< 10	< 10	30	< 10	24
C104G3 099R	214	238	0.04	6	490	30	5	5	243	0.09	< 10	< 10	79	< 10	34
C104G3 100R	214	238	0.06	21	1570	< 2	5	10	149	0.12	< 10	< 10	402	10	72
C104G3 108R	214	238	0.06	59	1210	2	< 5	4	88	0.28	< 10	< 10	104	10	42
C104G3 110R	214	238	0.03	54	1320	8	< 5	8	134	0.31	< 10	< 10	154	40	28
C104G3 111R	214	238	< 0.01	2	400	42	< 5	1	89	< 0.01	< 10	< 10	3	< 10	44
C104G3 115R	214	238	0.01	< 1	180	44	< 5	< 1	52	< 0.01	< 10	< 10	9	< 10	10
C104G3 119R	214	238	0.04	76	1310	18	5	6	177	0.22	< 10	< 10	82	< 10	54
C104G3 120R	214	238	0.03	10	1360	2	5	7	140	0.16	< 10	< 10	206	< 10	74
C104G3 121R	214	238	0.01	10	2330	34	15	14	100	< 0.01	< 10	< 10	169	< 10	78
C104G3 177R	214	238	< 0.01	14	1830	< 2	< 5	11	33	0.20	< 10	< 10	214	100	390
C104G3 181R	214	238	0.03	5	1690	< 2	< 5	10	50	0.10	< 10	< 10	331	< 10	70
C104G3 182R	214	238	0.02	9	1180	8	585	8	208	< 0.01	< 10	< 10	67	10	294
C104G3 184R	214	238	0.03	6	210	48	< 5	3	206	0.01	< 10	< 10	36	< 50	102
C104G3 188R	214	238	0.01	7	670	12	< 5	7	36	< 0.01	< 10	< 10	41	< 10	38
C104G3 189R	214	238	0.03	14	5350	12	5	13	97	0.05	< 10	< 10	921	< 50	124
C104G3 260ZR	214	238	< 0.01	19	1680	1085	45	9	36	< 0.01	< 10	< 10	29	< 10	188
C104G3 1104 / 110A	214	238	< 0.01	28	790	70	335	12	73	< 0.01	< 10	< 10	57	10	92

CERTIFICATION : B. Caughlin

COASTECH RESEARCH INC.

COASTECH ANALYTICAL SERVICES LABORATORY

Date: 17 Aug, 1989

TO: Mingold Resources
405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Invoice No. 08A006

Order No. 95508

Attention: Ed Yarrow

Page 1 of 30

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
1	MG 104 G4 8	<5						
2	9	<5						
3	10	<5						
4	11	<5						
5	12	<5						
6	13	<5						
7	16	145						
8	21	<5						
9	22	<5						
10	25	<5						
11	26	<5						
12	27	<5						
13	29	40						
14	30	1000						
15	33	874						
16	34	516						

16

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
17	MG 104 G4 35	<5						
18	43	53						
19	44	416						
20	51	<5						
21	52	<5						
22	53	48						
23	54	50						
24	55	223						
25	56	123						
26	57	<5						
27	69	199						
28	70	740						
29	? 1	100						
30	? 2	233						
31	65	116						
32	66	110						

6X
Rx - possibly misread bag nos.
62X??

16

AUG-21-89 MON 13:23 604 980 2737 P.01

COASTECH ANALYTICAL SERVICES LABORATORY

TO: Mingold Resources
405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: 17 Aug, 1989

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C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
33	MG 104 G3 7	100		Rk - possibly misread Sample no. 67X				
34	68	163						
35	TGC 104 G3 2	~~xxxxx?~~ 40		YG104G3004X?				
36	?? 4	23		Rk-possibly misread ~~Sample no.~~ (~~????~~)				
37	6	77						
38	14A	<5						
39	15	<5						
40	16	93						
41	17	<5						
42	18	447						
43	19	30						
44	21	33						
45	23	90						
46	24	<5						
47	25	<5						
48	26	<5						

COASTECH ANALYTICAL SERVICES LABORATORY

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C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
49	TGC 104 G3 27	30						
50	30	55						
51	31	2570						
52	MG 104 G3 71R	Delay						
53	72	<5						
54	73	<5						
55	74	<5						
56	76	636						
57	77	<5						
58	78	<5						
59	79	95						
60	80	55						
61	81	88						
62	Cosgrove? 261X	68						
63	M 75R	<5						
64	TGC 104 G4 12X	<5						

COASTECH ANALYTICAL SERVICES LABORATORY

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C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
65	TGC 104 G4 13	<5						
66	14	<5						
67	YG 104 G3 2X	<5						
68	5	153						
69	7	40						
70	8	80						
71	12	35						
72	YG4 o 05	35						
73	CG 104 G3 3S	120						
74	4	73						
75	5	260						
76	6	87						
77	7	760						
78	8	153						
79	9	<5						
80	10	<5						

COASTECH ANALYTICAL SERVICES LABORATORY

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405 - 470 Granville Street
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V6C 1V5

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Order No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
81	CG 104 G3 11S	130						
82	12	90						
83	13	<5						
84	14	50						
85	15	50						
86	16	<5						
87	17	<5						
88	18	<5						
89	19	<5						
90	20	5						
91	21	5						
92	22	<5						
93	23	<5						
94	24	20						
95	25	25						
96	26	25						

COASTECH ANALYTICAL SERVICES LABORATORY

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C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
97	CG 104 G3 27S	80						
98	28	30						
99	29	<5						
100	30	5						
101	31	20						
102	32	5						
103	33	5						
104	34	<5						
105	35	30						
106	36	30						
107	37	30						
108	38	6						
109	39	6						
110	40	<5						
111	41	<5						
112	42	5						

COASTECH ANALYTICAL SERVICES LABORATORY

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C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
113	CG 104 G3 43S	200						
114	44	25						
115	45	<5						
116	46	<5						
117	51	115						
118	52	<5						
119	53	60						
120	54	200						
121	55	36						
122	56	56						
123	57	70						
124	58	17						
125	59	16						
126	60	<5						
127	61	<5						
128	62	<5						

COASTECH ANALYTICAL SERVICES LABORATORY

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C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
129	CG 104 G3 63S	<5						
130	64	<5						
131	65	<5						
132	66	<5						
133	67	230						
134	68	<5						
135	69	<5						
136	70	106						
137	71	220						
138	CG 104 G4 72X	<5						
139	75	65						
140	76	<5						
141	TGC 104 G3 33X	<5						
142	35	253						
143	36	55						
144	37	120						

COASTECH ANALYTICAL SERVICES LABORATORY

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Page 10 of 30

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
145	TGC 104 G3 38X	55						
146	40	65						
147	41	90						
148	43	80						
149	44	290						
150	CG 15X	<5						
151	CG 104 G3 77	1850						
152	82	219						
153	85	27						
154	86	40						
155	87	20						
156	88	40						
157	90	370						
158	91	30						
159	92	373						
160	93	40						

COASTECH ANALYTICAL SERVICES LABORATORY

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Page 11 of 30

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
161	CG 104 G3 94	<5						
162	95	<5						
163	96	180						
164	TGC 104 G4 7	<5						
165	8	<5						
166	9	<5						
167	T 076 (MG)	1267						
168	24X? 245	<5						
169	735 FS	173						
170	745	133						
171	755	60						
172	775	273						
173	805	87						
174	815	617						
175	825	73						
176	835	47						

Mingold - not Minko?

COASTECH ANALYTICAL SERVICES LABORATORY

TO: Mingold Resources
405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: 17 Aug, 1989
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C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
177	T 845 ~~MG~~ 845	80						
178	855	60						
179	865	47						
180	875	27						
181	885	80						
182	895	33						
183	905	180						
184	915	27						
185	925	3124						
186	935	2294						
187	945	403						
188	965	153						
189	975	<5						
190	985	53						
191	995	653						
192	(????)	47	Check bag tc to try to identify			(Possibly 1005)		

COASTECH ANALYTICAL SERVICES LABORATORY

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V6C 1V5

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C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
193	T 1025 ~~MG~~ oz s	<5						
194	1035	3000						
195	1045	33						
196	1055	<5						
197	1065	703						
198	1075	30						
199	1085	<5						
200	1095	300						
201	1105	<5						
202	1115	<5						
203	1125	<5						
204	1135	<5						
205	1145	<5						
206	1155	<5						
207	1165	<5						
208	1175	<5						

COASTECH ANALYTICAL SERVICES LABORATORY

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C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
209	T 1185 ~~MG~~ 1185	<5						
210	1195	<5						
211	1205	<5						
212	1215	<5						
213	1225	<5						
214	1235	<5						
215	1265	<5						
216	1275	<5						
217	1285	<5						
218	1295	<5						
219	1305	<5						
220	1315	<5						
221	1325	<5	T50X					
222	TGC 104 G3 (5X)	<5	Should be 5R - could be 5QX					
223	T67X — 7	31						
224	T68X — 8	33						

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V6C 1V5

Attention: Ed Yarrow

Date: 17 Aug, 1989
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C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
225	TGC 104 G3 45X	<5						
226	46	5						
227	47	5						
228	48	7						
229	49	127						
230	54	90						
231	55	103						
232	56	27						
233	57	90						
234	58	95						
235	59	34						
236	62	5						
237	65	<5						
238	66	250						
239	69	430						
240	70	80						

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Attention: Ed Yarrow

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
241	TGC 104 G3 71X	<5						
242	72	220						
243	C101X? 101	270						
244	TGC 104 G3 51R	<5						
245	52	370						
246	53	1520						
247	60	5						
248	61	8						
249	63	<5						
250	64	<5						
251	CGC 104 G3 98R	14						
252	99	10						
253	100	5						
254	110A? 104	8						
255	108	5						
256	110	10						

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C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
257	CGC 104 G3 111R	<5						
258	115	8						
259	119	100						
260	120	14						
261	121	127						
262	177	6867						
263	181	260						
264	182	1053						
265	184	1810						
266	188	1460						
267	189	5367						
268	C260R? 200C	2170	??- already have 200S sample. Is this a rock					
269	CGC 104 G3 102X	<5						
270	103	<5						
271	104	33						
272	105	253						

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Attention: Ed Yarrow

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
273	CGC 104 G2 106X	43						
274	107	<5						
275	109	20						
276	112	243						
277	113	10						
278	114	37						
279	116	650						
280	117	<5						
281	118	20						
282	122	13						
283	123	<5						
284	124	Delay						
285	125	<5						
286	126	37						
287	127	43						
288	128	27						

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C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
289	CGC 104 G3 129X	<5						
290	130	50						
291	131	<5						
292	132	27						
293	175	<5						
294	176	60						
295	178	<5						
296	179	<5						
297	180	150						
298	183	177						
299	185	153						
300	187	24						
301	219	<5						
302	220	63						
303	221	33						
304	C 1335 S	40						

COASTECH ANALYTICAL SERVICES LABORATORY

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C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
305	C 1345	<5						
306	1355	320						
307	1365	<5						
308	1375	<5						
309	1385	173						
310	1395	210						
311	1405	70						
312	1415	<5						
313	1425	<5						
314	1435	90						
315	1445	<5						
316	CGC 104 G3 177R	4953	- RERUN					
317	189R	6145	- RERUN					
318	C 1475S	<5						
319	1485	<5						
320	1495	<5						

COASTECH ANALYTICAL SERVICES LABORATORY

Date: 17 Aug, 1989

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Attention: Ed Yarrow

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
321	S C 1505	317						
322	1515	5						
323	1525	180						
324	1535	<5						
325	1545	<5						
326	1555	<5						
327	1565	<5						
328	1575	297						
329	1585	<5						
330	1595	<5						
331	1605	<5						
332	1615	<5						
333	1625	<5						
334	1635	494						
335	1645	229						
336	1655	<5						

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C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
337	C 1665	34						
338	1675	5						
339	1685	5						
340	1695	5						
341	1705	224						
342	1715	12						
343	1725	64						
344	1735	5						
345	1745	114						
346	1905	5						
347	1915	<5						
348	1935	<5						
349	1955	<5						
350	1965	180						
351	1975	145						
352	1985	140						

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Attention: Ed Yarrow

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
353	C 1995	279						
354	2005	1179						
355	2015	<5						
356	2025	<5						
357	2035	<5						
358	2045	<5						
359	2055	<5						
360	2065	<5						
361	2075	1927						
362	2085	320						
363	2095	<5						
364	2105	720						
365	2115	<5						
366	2125	200						
367	2135	1059						
368	2145	240						

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C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
369	C 2155	<5						
370	2165	124						
371	2175	5						
372	2185	<5						
373	> 2225	<5						
374	2235	<5						
375	2245	5						
376	2255	<5						
377	2265	<5						
378	2275	<5						
379	2285	27						
380	> 2305	<5						
381	2315	<5						
382	2325	<5						
383	2335	<5						
384	2345	<5						

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Attention: Ed Yarrow

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
385	C 235^{S}	<5						
386	2365	<5						
387	2375	<5						
388	2385	<5						
389	2395	<5						
390	2405	32						
391	2415	5						
392	2425	<5						
393	2435	5						
394	2455$^{>}$	<5						
395	2465	5						
396	2475	5						
397	2485	<5						
398	2495	<5						

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C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Au	Cu				
	Units	PPB	G/MT	PPM				
399	89651	<5		23				
400	52	<5		502				
401	53	<5		297				
402	54	<5		565				
403	55		18.77	281				
404	56		2.26	97				
405	57	<5		1685				
406	58	<5		52				
407	59	<5		97				
408	60	87		1637				
409	61	<5		2645				
410	62	<5		467				
411	63	43		1288				
412	64	103		239				
413	65	Delay		5750				
414	>67	<5		212				

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Date: 17 Aug, 1989

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C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
415	89668	43	390					
416	69	1390	178					
417	70	190	240					
418	71	<5	64					
419	72	796	14390					
420	73	23	439					
421	74	<5	1432					
422	75	<5	264					
423	76	210	252					
424	77	100	264					
425	78	326	109					
426	79	<5	192					
427	80	63	53					
428	81	60	898					
429	82	650	9370					
430	83	143	2020					

COASTECH ANALYTICAL SERVICES LABORATORY

Date: 17 Aug, 1989

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Attention: Ed Yarrow

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
431	89684	37	4430					
432	85	57	302					
433	86	33	1217					
434	24738	133		} Sabre				
435	39	237						
436	40	<5						
437	41	<5						
438	52	<5						
439	53	140						
440	54	<5						
441	55	100						
442	56	33						
443	57	40	36					
444	58	143	75					
445	59	43	358					
446	60	13	36					

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C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
447	24761	<5	35					
448	62	56	239					
449	63	27	280					
450	64	93	11910					
451	93351	13		C001	R			
452	52	30		002	R			
453	53	200		078	R			
454	55	73	356	079	R			
455	56	50	69	080	R			
456	57	67	388	081	R			
457	58	<5	165	083	R			
458	59	<5	8	084	R			
459	60	<5	6070	089	R			
460	61	146	252	097	R			
461	51060	<5	87					
462	61	<5	11					

Dup? Is Rx. ✓

Reconn?

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C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
463	4425	<5	31	} Sabre				
464	4426	<5	11					
465	CG 104 G3 47S	<5						
466	48	<5						
467	49	<5						
468	MG 24742	<5						
469	43	<5						
470	44	<5						
471	45	<5						
472	46	<5						
473	47	<5						
474	48	<5						
475	49	<5						

Registered Assayer, Province of B.C

COASTECH RESEARCH INC.

COASTECH ANALYTICAL SERVICES LABORATORY

Date: 21 Aug, 1989

TO: Mingold Resources
405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Invoice No. 08A010

Order No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Au	Cu.	Ag.			
	Units	PPB	G/MT	PPM	PPM			
1	151 R	10						
2	152	127						
3	153	27						
4	154	147						
5	155	<5						
6	156	<5						
7	157	<5						
8	32412 R	<5		310				
9	32413	23		300				
10	32416	303		3850				
11	32417		.199 6.765	9800	.98Cu			
12	32418	10		940				
13	32419	270		5660				
14	32420	127		720				

Registered Assayer, Province of B.C.

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COASTECH RESEARCH INC.

COASTECH ANALYTICAL SERVICES LABORATORY

TO: Mingold Resources
405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Date: 21 Aug, 1989
Invoice No. 08A010
Order No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au						
	Units	PPB						
15	32421R	<5						
16	32422	20						
17	32423	180						
18	C2505S	72						
19	2515	124						
20	2525	70						
21	2535	153						
22	2545	64						
23	2555	200						
24	2565	47						
25	2575	145						
26	2585	203						
27	2595	123						
28	MG 104 G3 71R	1200						

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COASTECH ANALYTICAL SERVICES LABORATORY

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Date: 21 Aug, 1989
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C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au						
	Units	PPB						
29	MG 104 G3 76R	746	- Rerun?					
30	MG 104 G3 261X	110						
31								
32								

Comments:

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COASTECH RESEARCH INC.

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C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Cu						
	Units	ppm						
1	N24701	7						
2	N24702	4						
3	N24703	66						
4	N24704	20						
5	N24705	80						
6	N24706	15						
7	N24707	24						
8	N24708	25						
9	N24709	11						
10	N24710	16						
11	N24711	13						
12	N24712	40						

Comments:

RECONN.

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COASTECH RESEARCH INC.

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C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Cu						
	Units	ppm						
1	N24713	44						
2	N24714	20						
3	N24715	13						
4	N24716	52						
5	N24717	71						
6	N24718	40						
7	N24719	34						
8								
9								
10								
11								
12								

Comments: RECONN.

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COASTECH RESEARCH INC.

COASTECH ANALYTICAL SERVICES LABORATORY

Date: 21 Aug, 1989

TO: Mingold Resources
405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Invoice No. 08A008

Order No. 95508

Attention: Ed Yarrow

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au					
	Units	PPB					
1	CGC 104 G3 263S	<5					
2	264	<5					
3	265	<5					
4	266	<5					
5	267	<5					
6	268	733					
7	269	<5					
8	270	<5					
9	271	<5					
10	272	73					
11	273	<5					
12	274	32					
13	275	<5					
14	276	<5					
15	277	40					
16	278	848					

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COASTECH RESEARCH INC.

COASTECH ANALYTICAL SERVICES LABORATORY

Date: 21 Aug, 1989

TO: Mingold Resources
405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Invoice No. 08A008

Order No. 95508

Attention: Ed Yarrow

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au					
	Units	PPB					
17	CGC 104 G3 279S	<5					
18	280	83					
19	281	510					
20	282	20					
21	283	17					
22	284	897					
23	285	770					
24	286	70					
25	287	113					
26	288	7					
27	289	70					
28	290	623					
29	291	1617					
30	292	<5					
31	293	87					
32	294	<5					

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COASTECH RESEARCH INC.

COASTECH ANALYTICAL SERVICES LABORATORY

Date: 21 Aug, 1989

TO: Mingold Resources
405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Invoice No. 08A008

Order No. 95508

Attention: Ed Yarrow

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au					
	Units	PPB					
33	CGC 104 G3 295S	<5					
34	296	<5					
35	297	93					
36	298	<5					
37	299	57					
38	301	<5					
39	302	<5					
40	306	<5					
41	307	<5					
42	308	<5					
43	309	50					
44	310	1855					
45	311	<5					
46	312	-					
47	313	<5					
48	314	<5					

80 Niobe Street, North Vancouver, B.C., Canada V7J 2C9 Telephone (604) 980-5992 FAX (604) 980-2737

COASTECH RESEARCH INC.

COASTECH ANALYTICAL SERVICES LABORATORY

Date: 21 Aug, 1989

TO: Mingold Resources
405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Invoice No. 08A008

Order No. 95508

Attention: Ed Yarrow

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au					
	Units	PPB					
49	CGC 104 G3 315S	212					
50	316	<5					
51	317	<5					
52	318	<5					
53	319	<5					
54	320	<5					
55	321	<5					
56	322	<5					
57	323	<5					
58	324	<5					
59	325	<5					
60	326	<5					
61	327	<5					
62	328	<5					
63	329	<5					
64	330	<5					

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Attention: Ed Yarrow

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au					
	Units	PPB					
65	CGC 104 G3 331S	<5					
66	333	65					
67	334	120					
68	335	47					
69	336	40					
70	337	<5					
71	338	<5					
72	339	57					
73	340	353					
74	344	<5					
75	345	<5					
76	346	<5					
77	347	<5					
78	348	110					
79	349	<5					
80	350	<5					

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Attention: Ed Yarrow

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au					
	Units	PPB					
81	CGC 104 G3 351S	5					
82	352	5					
83	353	180					
84	354	264					
85	355	173					
86	356	<5					
87	357	104					
88	358	<5					
89	359	<5					
90	360	<5					
91	361	<5					
92	362	<5					
93	363	146					
94	364	<5					
95	365	57					
96	366	55					

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I HEREBY CERTIFY the following results of assays.

	Element	Au					
	Units	PPB					
97	CGC 104 G3 367S	<5					
98	368	<5					
99	369	153					
100	370	5					
101	371	<5					
102	372	27					
103	373	<5					
104	374	220					
105	375	5					
106	376	<5					
107	377	<5					
108	378	<5					
109	379	<5					
110	380	<5					
111	381	<5					
112	382	<5					

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C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au					
	Units	PPB					
113	CGC 104 G3 383S	<5					
114	384	5					
115	385	143					
116	386	428					
117	387	<5					
118	388	250					
119	389	<5					
120	390	<5					
121	391	<5					
122	392	1986					
123	393	<5					
124	394	<5					
125	395	<5					
126	396	<5					

Registered Assayer, Province of B.C

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Chemex Labs Ltd.
Analytical Chemists • Geochemists • Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: COASTECH RESEARCH INC.
80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9

Project :
Comments: ATTN: JACK STANLEY

Page No. : 1-A
Tot. Pages: 4
Date : 21-AUG-89
Invoice # : I-8923479
P.O. # : 89-4127

CERTIFICATE OF ANALYSIS A8923479

SAMPLE DESCRIPTION	PREP CODE	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
C 1335	214 238	1.18	< 0.2	10	50	0.5	< 2	0.29	< 0.5	6	28	65	5.89	10	< 1	0.10	10	0.21	270	7
C 1345	214 238	2.33	< 0.2	15	80	0.5	< 2	0.31	< 0.5	9	28	88	8.40	< 10	< 1	0.16	10	0.56	425	10
C 1355	214 238	1.90	< 0.2	15	100	1.0	< 2	0.43	< 0.5	24	75	362	7.46	< 10	< 1	0.21	20	1.64	1400	40
C 1365	214 238	1.72	1.2	< 5	30	0.5	< 2	0.08	< 0.5	3	7	131	1.45	< 10	< 1	0.04	20	0.10	90	3
C 1375	214 238	1.73	1.6	5	30	0.5	< 2	0.08	< 0.5	3	5	115	1.54	< 10	< 1	0.04	20	0.10	100	3
C 1385	214 238	2.21	0.6	5	60	1.0	< 2	0.55	0.5	20	34	361	5.88	< 10	< 1	0.20	20	1.09	1960	18
C 1395	214 238	0.91	0.2	15	400	0.5	< 2	2.13	2.0	15	32	1030	3.47	< 10	< 1	0.10	< 10	0.45	8860	217
C 1405	214 238	2.09	0.2	< 5	50	0.5	< 2	0.38	< 0.5	6	24	58	5.22	10	< 1	0.14	20	0.55	465	68
C 1415	214 238	1.35	< 0.2	< 5	50	1.0	< 2	0.27	< 0.5	5	10	45	2.38	10	< 1	0.09	20	0.37	175	43
C 1425	214 238	1.21	< 0.2	5	110	1.0	< 2	0.40	< 0.5	3	11	84	2.94	10	< 1	0.12	20	0.31	175	49
C 1435	214 238	0.91	2.4	10	80	0.5	< 2	0.27	0.5	6	9	39	2.84	10	< 1	0.16	20	0.40	410	12
C 1445	214 238	1.30	0.6	20	50	0.5	< 2	0.11	< 0.5	6	9	55	3.97	< 10	< 1	0.15	20	0.34	420	9
C 1455	214 238	0.24	< 0.2	< 5	70	< 0.5	< 2	2.66	1.5	2	4	43	0.29	10	< 1	0.05	< 10	0.16	70	58
C 1465	214 238	0.40	< 0.2	< 5	50	1.0	< 2	3.35	2.0	2	5	112	0.36	10	< 1	0.04	< 10	0.15	310	79
C 1475	214 238	0.10	0.2	5	20	< 0.5	< 2	3.33	< 0.5	1	< 1	38	0.77	10	< 1	0.01	< 10	0.07	425	16
C 1485	214 238	2.05	6.2	15	40	1.0	< 2	0.47	< 0.5	7	36	113	4.57	10	< 1	0.12	30	0.49	705	21
C 1495	214 238	1.29	1.0	< 5	40	0.5	< 2	0.27	< 0.5	5	11	24	2.47	10	< 1	0.15	20	0.40	1060	18
C 1505	214 238	1.06	2.2	60	380	2.0	< 2	0.43	1.5	32	11	262	7.53	< 10	< 1	0.17	30	0.51	6160	28
C 1515	214 238	1.03	0.4	5	90	0.5	< 2	0.34	0.5	4	19	41	5.33	10	< 1	0.10	10	0.17	420	47
C 1525	214 238	1.07	0.8	10	170	1.5	< 2	0.49	0.5	23	10	309	5.34	< 10	< 1	0.28	30	0.54	2650	35
C 1535	214 238	0.31	0.2	< 5	50	0.5	< 2	3.94	3.5	3	1	82	0.83	< 10	< 1	0.03	< 10	0.13	40	88
C 1545	214 238	1.40	3.6	15	40	1.0	< 2	0.98	< 0.5	10	9	47	2.96	< 10	< 1	0.14	10	0.36	1805	8
C 1555	214 238	1.05	1.8	< 5	20	1.0	< 2	1.22	< 0.5	15	16	205	2.85	10	< 1	0.06	20	0.18	2340	44
C 1565	214 238	0.50	< 0.2	5	10	0.5	< 2	4.25	< 0.5	4	2	22	0.37	< 10	< 1	0.02	< 10	0.04	2380	3
C 1575	214 238	1.86	0.8	35	1570	2.0	< 2	0.99	< 0.5	66	24	1765	10.55	< 10	< 1	0.42	30	1.34	8890	3
C 1585	214 238	0.88	< 0.2	< 5	100	1.0	< 2	3.14	0.5	36	6	847	2.11	< 10	< 1	0.05	< 10	0.15	5030	147
C 1595	214 238	0.99	< 0.2	< 5	30	1.0	< 2	0.57	< 0.5	3	7	30	0.56	10	< 1	0.09	20	0.10	90	17
C 1605	214 238	0.23	< 0.2	5	20	< 0.5	< 2	2.76	< 0.5	2	< 1	98	0.28	< 10	< 1	< 0.01	< 10	0.04	55	93
C 1615	214 238	1.84	< 0.2	< 5	430	1.5	< 2	0.80	1.0	29	8	87	8.44	10	< 1	0.08	30	0.16	>10000	399
C 1625	214 238	0.29	< 0.2	< 5	10	< 0.5	< 2	3.35	1.5	2	4	392	0.90	< 10	< 1	0.06	< 10	0.05	250	109
C 1635	214 238	1.89	1.6	< 5	1910	1.5	< 2	0.34	< 0.5	40	37	2330	6.24	< 10	< 1	0.50	20	1.33	1640	153
C 1645	214 238	1.98	< 0.2	5	370	1.0	< 2	0.74	< 0.5	32	49	808	6.16	< 10	< 1	0.25	20	1.09	2500	67
C 1655	214 238	1.31	< 0.2	45	80	13.5	< 2	1.90	1.0	61	26	407	9.65	< 10	< 1	0.10	10	0.60	5880	341
C 1665	214 238	2.13	< 0.2	< 5	30	0.5	< 2	0.51	< 0.5	8	46	112	5.47	< 10	< 1	0.10	10	0.61	540	55
C 1675	214 238	1.64	< 0.2	15	30	0.5	< 2	0.44	< 0.5	9	28	21	4.09	< 10	< 1	0.12	10	0.42	915	31
C 1685	214 238	1.38	< 0.2	5	30	0.5	< 2	0.33	< 0.5	4	23	18	3.34	< 10	< 1	0.09	10	0.24	285	2
C 1695	214 238	2.23	< 0.2	< 5	30	1.0	< 2	0.36	< 0.5	8	35	41	6.50	< 10	< 1	0.08	10	0.50	430	3
C 1705	214 238	0.91	< 0.2	5	30	< 0.5	< 2	0.37	< 0.5	5	24	19	4.73	< 10	< 1	0.09	10	0.18	245	3
C 1715	214 238	0.76	< 0.2	10	20	< 0.5	< 2	0.29	< 0.5	5	32	34	5.62	< 10	< 1	0.06	10	0.05	170	4
C 1725	214 238	0.74	0.8	< 5	20	< 0.5	< 2	0.37	< 0.5	5	27	29	4.86	< 10	< 1	0.08	10	0.09	240	12

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: COASTECH RESEARCH INC.
80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9
Project :
Comments: ATTN: JACK STANLEY

Page No. : 1-B
Tot. Pages: 4
Date : 21-AUG-89
Invoice # : I-8923479
P.O. # : 89-4127

CERTIFICATE OF ANALYSIS A8923479

SAMPLE DESCRIPTION	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
C 1335	214 238	0.01	5	940	24	< 5	3	46	0.21	< 10	< 10	259	10	56
C 1345	214 238	< 0.01	8	1150	14	< 5	4	50	0.17	< 10	< 10	288	20	80
C 1355	214 238	0.02	39	2190	40	< 5	7	36	0.14	< 10	< 10	203	20	90
C 1365	214 238	0.05	3	1160	34	< 5	1	6	0.08	< 10	< 10	25	< 10	46
C 1375	214 238	0.06	3	1130	40	< 5	1	6	0.09	< 10	< 10	24	< 10	42
C 1385	214 238	0.01	16	2020	158	< 5	6	48	0.12	< 10	< 10	167	20	168
C 1395	214 238	0.04	34	1040	82	< 5	2	708	0.05	< 10	< 10	49	100	248
C 1405	214 238	0.01	8	670	48	< 5	3	66	0.11	< 10	< 10	146	10	118
C 1415	214 238	0.12	5	750	58	< 5	3	71	0.16	< 10	< 10	43	< 10	72
C 1425	214 238	0.04	2	1000	130	< 5	3	140	0.09	< 10	< 10	56	10	110
C 1435	214 238	0.02	3	1430	102	< 5	1	53	0.04	< 10	< 10	69	< 10	140
C 1445	214 238	0.02	3	1190	128	< 5	2	20	0.06	< 10	< 10	61	10	122
C 1455	214 238	0.01	4	1140	8	< 5	< 1	1180	0.01	< 10	< 10	8	< 10	106
C 1465	214 238	0.01	4	1120	44	5	< 1	1255	0.01	< 10	80	11	< 10	100
C 1475	214 238	< 0.01	2	630	4	< 5	< 1	967	< 0.01	< 10	< 10	4	< 10	152
C 1485	214 238	0.01	7	1720	98	< 5	2	70	0.05	< 10	< 10	119	10	114
C 1495	214 238	0.01	1	570	116	< 5	3	61	0.10	< 10	< 10	106	< 10	90
C 1505	214 238	< 0.01	9	1860	270	< 5	6	112	0.06	< 10	< 10	73	10	418
C 1515	214 238	0.01	4	720	30	< 5	2	59	0.17	< 10	< 10	204	< 10	86
C 1525	214 238	< 0.01	6	1420	164	< 5	5	119	0.06	< 10	< 10	78	10	216
C 1535	214 238	< 0.01	7	890	30	5	< 1	1395	< 0.01	< 10	60	11	< 10	132
C 1545	214 238	0.04	6	1400	20	< 5	2	226	0.08	< 10	< 10	79	< 10	78
C 1555	214 238	0.05	8	980	40	< 5	1	319	0.14	< 10	< 10	48	10	44
C 1565	214 238	0.01	5	1010	2	< 5	< 1	1030	< 0.01	< 10	< 10	3	< 10	60
C 1575	214 238	0.01	28	950	22	< 5	25	354	0.09	< 10	< 10	183	30	238
C 1585	214 238	0.01	7	1280	6	< 5	1	1250	0.02	< 10	< 10	18	< 10	108
C 1595	214 238	0.15	3	320	2	< 5	< 1	173	0.17	< 10	< 10	4	< 10	42
C 1605	214 238	0.01	3	300	2	< 5	< 1	837	0.02	< 10	< 10	5	< 10	74
C 1615	214 238	0.10	15	600	2	< 5	1	346	0.14	< 10	< 10	< 1	20	150
C 1625	214 238	0.01	5	1020	8	5	< 1	936	< 0.01	< 10	< 10	7	< 10	66
C 1635	214 238	0.01	24	720	16	< 5	15	243	0.06	< 10	< 10	192	110	162
C 1645	214 238	0.01	23	1870	30	< 5	11	109	0.14	< 10	< 10	199	20	124
C 1655	214 238	0.01	24	1700	6	< 5	7	463	0.12	< 10	< 10	132	60	306
C 1665	214 238	0.01	11	930	22	< 5	4	58	0.18	< 10	< 10	200	10	74
C 1675	214 238	0.01	5	600	18	< 5	4	74	0.18	< 10	< 10	157	< 10	54
C 1685	214 238	0.02	6	1190	24	< 5	2	47	0.16	< 10	< 10	119	< 10	40
C 1695	214 238	< 0.01	11	910	4	< 5	3	41	0.17	< 10	< 10	196	10	54
C 1705	214 238	< 0.01	7	950	10	< 5	2	55	0.18	< 10	< 10	216	< 10	36
C 1715	214 238	< 0.01	7	1030	14	< 5	2	61	0.20	< 10	< 10	251	10	34
C 1725	214 238	< 0.01	5	480	14	< 5	3	60	0.16	< 10	< 10	210	< 10	64

CERTIFICATION : B. Caplin

Chemex Labs Ltd.
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CERTIFICATE OF ANALYSIS A8923479

SAMPLE DESCRIPTION	PREP CODE	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
C 1735	214 238	1.65	0.4	15	40	< 0.5	< 2	0.44	< 0.5	7	25	64	4.99	< 10	< 1	0.11	10	0.17	375	31
C 1745	214 238	2.05	0.6	25	60	< 0.5	< 2	0.42	< 0.5	9	30	181	7.53	< 10	< 1	0.13	10	0.63	565	7
C 1905	214 238	1.00	< 0.2	20	240	< 0.5	< 2	1.09	< 0.5	19	10	304	4.95	< 10	< 1	0.26	20	0.74	1260	< 1
C 1915	214 238	1.33	< 0.2	20	140	< 0.5	< 2	1.13	< 0.5	22	18	235	5.27	< 10	< 1	0.27	20	0.96	1285	1
C 1935	214 238	0.88	< 0.2	35	110	< 0.5	< 2	0.99	< 0.5	18	10	148	5.52	< 10	< 1	0.17	20	0.62	1265	1
C 1955	214 238	1.26	< 0.2	35	90	< 0.5	< 2	1.25	< 0.5	18	27	131	5.57	< 10	< 1	0.16	10	1.04	1335	10
C 1965	214 238	0.69	1.8	55	770	< 0.5	< 2	0.42	1.5	27	3	387	6.23	< 10	< 1	0.16	20	0.32	3720	24
C 1975	214 238	1.57	0.4	< 5	70	< 0.5	< 2	0.42	0.5	10	31	85	8.15	10	< 1	0.16	10	0.41	610	17
C 1985	214 238	2.13	< 0.2	< 5	80	< 0.5	< 2	0.80	< 0.5	13	31	119	4.64	< 10	< 1	0.31	10	0.96	805	30
C 1995	214 238	1.05	< 0.2	< 5	30	< 0.5	< 2	0.63	< 0.5	8	32	59	4.93	< 10	< 1	0.10	10	0.35	295	30
C 2005	214 238	1.79	2.2	15	570	< 0.5	< 2	0.56	1.0	158	32	1375	9.87	< 10	< 1	0.30	30	0.96	5400	20
C 2015	214 238	0.96	1.0	< 5	30	< 0.5	< 2	0.28	< 0.5	5	26	23	5.88	< 10	< 1	0.08	10	0.10	225	8
C 2025	214 238	1.80	< 0.2	35	50	< 0.5	< 2	0.56	< 0.5	13	39	140	5.99	< 10	< 1	0.16	10	0.96	645	2
C 2035	214 238	1.77	< 0.2	10	50	< 0.5	< 2	0.37	< 0.5	7	20	38	5.20	< 10	< 1	0.19	10	0.38	420	6
C 2045	214 238	2.00	0.8	< 5	30	< 0.5	< 2	0.55	< 0.5	6	34	24	3.80	10	< 1	0.11	10	0.44	325	1
C 2055	214 238	1.05	0.4	5	40	< 0.5	< 2	0.47	< 0.5	5	13	15	2.85	10	< 1	0.12	10	0.21	335	< 1
C 2065	214 238	0.65	0.4	5	20	< 0.5	< 2	0.65	< 0.5	3	8	11	2.11	10	< 1	0.04	10	0.05	475	4
C 2075	214 238	1.02	1.6	30	50	< 0.5	< 2	0.15	< 0.5	7	23	179	6.70	10	< 1	0.16	20	0.25	535	15
C 2085	214 238	1.80	< 0.2	15	40	< 0.5	< 2	0.49	< 0.5	14	60	77	5.72	10	< 1	0.13	10	1.10	1210	5
C 2095	214 238	1.19	0.6	20	20	< 0.5	< 2	0.24	< 0.5	4	30	26	2.68	10	< 1	0.07	10	0.21	195	5
C 2105	214 238	0.77	< 0.2	5	20	< 0.5	< 2	0.31	< 0.5	2	29	11	1.91	10	< 1	0.06	10	0.08	205	2
C 2115	214 238	2.04	0.4	25	150	2.0	< 2	0.81	0.5	14	14	111	4.73	10	< 1	0.09	30	0.44	1245	45
C 2125	214 238	1.45	0.4	20	150	0.5	< 2	0.76	< 0.5	5	9	35	2.24	10	< 1	0.22	20	0.44	190	29
C 2135	214 238	1.17	0.6	50	120	0.5	< 2	0.83	1.0	12	17	37	4.64	< 10	< 1	0.31	20	0.86	510	1
C 2145	214 238	1.52	< 0.2	20	90	1.0	< 2	0.68	< 0.5	10	13	20	3.84	< 10	< 1	0.17	20	0.67	620	1
C 2155	214 238	1.79	2.2	5	150	< 0.5	< 2	0.49	< 0.5	7	18	73	2.71	< 10	< 1	0.14	20	0.57	365	9
C 2165	214 238	1.21	1.6	50	150	< 0.5	< 2	0.21	< 0.5	25	10	213	6.33	< 10	< 1	0.25	30	0.45	2470	11
C 2175	214 238	0.85	1.0	15	230	< 0.5	< 2	0.48	< 0.5	1	12	41	1.52	< 10	< 1	0.18	20	0.17	75	10
C 2185	214 238	1.89	< 0.2	15	150	< 0.5	< 2	1.44	< 0.5	16	26	172	4.48	< 10	< 1	0.33	10	1.12	790	8
C 2225	214 238	3.22	1.2	45	410	< 0.5	< 2	1.87	1.5	54	34	559	13.45	< 10	< 1	0.49	30	2.15	4970	5
C 2235	214 238	1.39	1.2	10	40	< 0.5	< 2	0.46	< 0.5	6	12	55	3.06	< 10	< 1	0.18	10	0.47	645	< 1
C 2245	214 238	2.33	0.4	20	40	< 0.5	< 2	0.47	< 0.5	4	13	42	3.08	< 10	< 1	0.10	10	0.29	320	1
C 2255	214 238	2.02	< 0.2	10	140	< 0.5	< 2	0.78	0.5	24	17	250	6.17	< 10	< 1	0.37	20	1.29	2030	6
C 2265	214 238	2.00	< 0.2	5	40	< 0.5	< 2	0.18	< 0.5	15	25	60	5.96	< 10	< 1	0.12	20	0.49	1235	5
C 2275	214 238	2.10	< 0.2	25	80	< 0.5	< 2	0.31	< 0.5	18	17	151	3.95	< 10	< 1	0.25	20	0.95	1815	7
C 2285	214 238	2.16	1.0	10	90	< 0.5	< 2	1.13	0.5	28	22	216	6.98	< 10	< 1	0.55	20	1.71	2390	7
C 2305	214 238	1.83	1.0	35	210	< 0.5	< 2	0.53	2.5	46	14	637	9.73	< 10	< 1	0.51	30	1.11	2020	44
C 2315	214 238	2.02	< 0.2	10	50	< 0.5	< 2	0.20	< 0.5	11	21	116	7.73	< 10	< 1	0.14	10	0.87	1025	8
C 2325	214 238	1.99	0.8	20	30	< 0.5	< 2	0.27	< 0.5	10	19	43	4.69	10	< 1	0.10	10	0.70	1045	3
C 2335	214 238	1.68	0.4	< 5	30	< 0.5	< 2	0.22	< 0.5	5	14	51	2.98	< 10	< 1	0.11	10	0.38	340	1

CERTIFICATION : B. Caplin

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To : COASTECH RESEARCH INC.
80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9
Project :
Comments: ATTN: JACK STANLEY

Date : 21-AUG-89
Invoice # : I-8923479
P.O. # : 89-4127

CERTIFICATE OF ANALYSIS A8923479

SAMPLE DESCRIPTION	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
C 1735	214 238	0.01	7	2450	34	< 5	2	86	0.09	< 10	< 10	172	< 10	50
C 1745	214 238	< 0.01	8	1710	16	< 5	6	56	0.20	< 10	< 10	354	10	72
C 1905	214 238	< 0.01	8	2330	34	< 5	7	122	0.11	< 10	< 10	158	< 10	114
C 1915	214 238	0.01	15	2140	54	< 5	8	215	0.12	< 10	< 10	150	10	202
C 1935	214 238	< 0.01	7	2110	38	< 5	7	127	0.11	< 10	< 10	156	10	94
C 1955	214 238	0.01	17	1450	36	< 5	9	308	0.17	< 10	< 10	192	10	104
C 1965	214 238	< 0.01	6	1740	314	< 5	4	185	0.03	< 10	< 10	49	10	396
C 1975	214 238	0.01	8	860	38	< 5	5	95	0.23	< 10	< 10	314	10	100
C 1985	214 238	0.01	14	1700	52	< 5	6	104	0.12	< 10	< 10	177	< 10	100
C 1995	214 238	< 0.01	9	500	22	< 5	4	165	0.19	< 10	< 10	229	< 10	64
C 2005	214 238	0.01	27	1910	60	< 5	15	80	0.11	< 10	< 10	252	30	696
C 2015	214 238	< 0.01	5	1020	26	< 5	3	63	0.22	< 10	< 10	283	< 10	48
C 2025	214 238	0.01	13	3160	46	< 5	8	60	0.13	< 10	< 10	203	< 10	110
C 2035	214 238	< 0.01	6	940	30	< 5	4	69	0.18	< 10	< 10	207	< 10	52
C 2045	214 238	0.02	12	1980	20	< 5	4	64	0.18	< 10	< 10	125	< 10	50
C 2055	214 238	0.01	5	1180	14	< 5	3	74	0.20	< 10	< 10	126	< 10	36
C 2065	214 238	< 0.01	2	350	26	5	3	53	0.30	< 10	< 10	175	< 10	22
C 2075	214 238	0.01	9	1410	40	< 5	10	27	0.16	< 10	< 10	287	< 10	138
C 2085	214 238	0.01	18	1320	28	< 5	6	60	0.18	< 10	< 10	234	< 10	106
C 2095	214 238	0.03	8	670	24	5	1	31	0.15	< 10	< 10	94	< 10	40
C 2105	214 238	0.01	4	460	20	< 5	2	53	0.23	< 10	< 10	106	< 10	26
C 2115	214 238	0.07	5	2270	74	< 5	2	362	0.07	< 10	< 10	82	< 10	130
C 2125	214 238	0.05	4	1500	146	< 5	3	329	0.06	< 10	< 10	55	< 10	216
C 2135	214 238	< 0.01	7	1700	860	< 5	5	306	0.03	< 10	< 10	122	< 10	392
C 2145	214 238	0.05	7	1720	118	< 5	5	182	0.12	< 10	< 10	83	< 10	184
C 2155	214 238	0.02	4	1350	92	< 5	4	127	0.08	< 10	< 10	87	< 10	86
C 2165	214 238	< 0.01	7	3350	462	< 5	5	42	0.02	< 10	< 10	77	< 10	334
C 2175	214 238	< 0.01	< 1	1160	160	< 5	5	230	0.01	< 10	< 10	58	< 10	46
C 2185	214 238	0.02	13	2290	28	< 5	10	309	0.16	< 10	< 10	148	< 10	110
C 2225	214 238	0.02	20	5360	130	< 5	28	308	0.24	< 10	< 10	422	70	292
C 2235	214 238	0.03	2	1420	38	< 5	4	96	0.11	< 10	< 10	104	< 10	74
C 2245	214 238	0.01	3	1950	32	< 5	3	84	0.12	< 10	< 10	123	< 10	56
C 2255	214 238	0.01	12	2490	66	< 5	14	99	0.13	< 10	< 10	209	10	172
C 2265	214 238	< 0.01	6	1480	26	< 5	5	45	0.12	< 10	< 10	148	< 10	122
C 2275	214 238	0.06	7	1180	62	< 5	9	46	0.15	< 10	< 10	128	< 10	120
C 2285	214 238	0.01	11	3190	80	< 5	18	129	0.17	< 10	< 10	256	20	158
C 2305	214 238	0.01	11	4170	172	< 5	16	110	0.10	< 10	< 10	163	30	462
C 2315	214 238	0.01	5	2350	42	< 5	6	68	0.14	< 10	< 10	267	10	118
C 2325	214 238	< 0.01	4	2020	28	< 5	5	90	0.17	< 10	< 10	186	< 10	82
C 2335	214 238	0.02	5	1100	44	< 5	5	58	0.17	< 10	< 10	105	< 10	54

CERTIFICATION : B. Caplin

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PHONE (604) 984-0221

To : COASTECH RESEARCH INC.
80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9
Project :
Comments: ATTN: JACK STANLEY

Date : 21-AUG-89
Invoice # : I-8923479
P.O. # : 89-4127

CERTIFICATE OF ANALYSIS A8923479

SAMPLE DESCRIPTION	PREP CODE		Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
C 2345	214	238	2.48	< 0.2	35	40	< 0.5	< 2	0.24	< 0.5	14	23	96	7.42	< 10	< 1	0.14	10	0.76	1460	10
C 2355	214	238	3.34	< 0.2	30	40	1.0	< 2	0.24	< 0.5	24	23	91	6.95	< 10	< 1	0.09	20	0.74	2340	6
C 2365	214	238	1.78	< 0.2	25	40	< 0.5	< 2	0.37	< 0.5	7	15	46	2.62	< 10	< 1	0.10	10	0.56	500	1
C 2375	214	238	2.27	< 0.2	15	40	< 0.5	< 2	0.57	< 0.5	21	16	33	4.70	10	< 1	0.29	20	1.52	1340	1
C 2385	214	238	1.13	< 0.2	25	60	< 0.5	< 2	0.11	< 0.5	10	11	37	3.71	< 10	< 1	0.15	10	0.28	2000	1
C 2395	214	238	1.41	0.6	10	40	< 0.5	< 2	0.07	< 0.5	5	10	18	2.52	< 10	< 1	0.10	10	0.13	485	2
C 2405	214	238	1.57	1.0	90	120	1.0	< 2	1.05	1.0	41	16	336	7.96	< 10	< 1	0.20	20	1.09	2490	5
C 2415	214	238	1.29	1.0	45	200	0.5	< 2	0.94	0.5	33	20	298	7.16	< 10	< 1	0.19	20	1.05	2400	2
C 2425	214	238	1.32	0.4	25	200	0.5	< 2	0.96	1.0	30	16	284	7.37	< 10	< 1	0.17	20	1.04	2280	< 1
C 2435	214	238	1.44	0.4	25	320	0.5	< 2	1.05	1.0	33	15	283	7.24	< 10	< 1	0.21	20	1.17	2530	< 1
C 2455	214	238	1.55	0.8	30	200	0.5	< 2	1.57	0.5	31	23	358	7.50	< 10	< 1	0.31	10	1.51	2840	5
C 2465	214	238	1.28	1.2	50	310	0.5	< 2	1.93	0.5	36	21	482	7.91	< 10	< 1	0.27	10	1.13	2350	1
C 2475	214	238	1.11	0.8	35	230	0.5	< 2	1.34	0.5	33	22	398	8.16	< 10	< 1	0.25	20	0.93	1890	< 1
C 2485	214	238	1.47	0.4	35	390	< 0.5	< 2	4.08	0.5	29	16	314	6.02	< 10	< 1	0.39	< 10	1.23	2150	< 1
C 2495	214	238	1.42	0.4	25	350	0.5	< 2	2.33	1.0	29	18	265	6.48	< 10	< 1	0.36	10	1.14	1955	< 1
T 1295	214	238	3.86	< 0.2	30	20	< 0.5	< 2	0.57	< 0.5	16	128	114	5.22	< 10	< 1	0.06	10	1.47	400	< 1
T 1305	214	238	2.23	< 0.2	20	30	< 0.5	< 2	0.56	< 0.5	12	63	79	4.53	10	< 1	0.07	20	0.63	720	1
T 1315	214	238	2.60	< 0.2	15	30	< 0.5	< 2	0.64	< 0.5	8	75	91	2.82	10	< 1	0.06	10	0.68	275	< 1
T 1325	214	238	2.34	< 0.2	5	40	< 0.5	< 2	0.58	< 0.5	9	118	79	3.80	10	< 1	0.05	10	0.90	345	1
CGC104G3-101X	214	238	1.19	1.6	20	480	< 0.5	2	1.27	0.5	19	63	1305	3.94	< 10	< 1	0.24	20	1.24	1225	2
CGC104G3-102X	214	238	0.67	< 0.2	< 5	340	< 0.5	< 2	0.61	< 0.5	11	67	369	2.31	< 10	< 1	0.15	10	0.89	535	2
CGC104G3-103X	214	238	0.58	< 0.2	5	260	< 0.5	< 2	0.58	< 0.5	10	56	381	2.64	< 10	< 1	0.15	10	0.64	635	4
CGC104G3-104X	214	238	0.58	< 0.2	5	250	< 0.5	2	0.41	< 0.5	8	43	252	2.06	< 10	< 1	0.19	10	0.60	540	4
CGC104G3-105X	214	238	1.00	0.4	10	290	< 0.5	< 2	1.50	< 0.5	13	69	665	4.08	10	< 1	0.44	10	1.02	705	1
CGC104G3-106X	214	238	1.07	0.8	20	350	< 0.5	< 2	1.47	< 0.5	13	62	683	3.55	10	< 1	0.45	10	1.10	650	2
CGC104G3-107X	214	238	0.56	< 0.2	5	300	< 0.5	2	0.54	< 0.5	11	55	223	2.50	< 10	< 1	0.18	10	0.88	1225	4
CGC104G3-109X	214	238	1.17	< 0.2	< 5	270	< 0.5	< 2	1.89	0.5	15	80	402	3.78	10	< 1	0.35	10	1.33	675	1
CGC104G3-112X	214	238	1.59	2.0	15	2290	0.5	2	0.67	0.5	21	23	660	4.56	10	< 1	0.98	30	1.06	1455	55
CGC104G3-113X	214	238	1.72	1.2	< 5	620	1.0	< 2	1.75	2.0	19	20	621	4.52	10	< 1	1.00	20	1.46	2170	21
CGC104G3-114X	214	238	1.61	< 0.2	5	440	0.5	< 2	1.26	1.0	17	32	265	4.54	10	< 1	0.50	20	1.34	3130	3
CGC104G3-116X	214	238	0.90	< 0.2	< 5	160	< 0.5	< 2	0.86	0.5	14	39	144	3.90	< 10	< 1	0.18	10	0.66	1335	1
CGC104G3-117X	214	238	0.94	< 0.2	< 5	510	< 0.5	< 2	0.69	0.5	12	16	147	3.50	< 10	< 1	0.33	20	0.57	1420	2
CGC104G3-118X	214	238	1.60	1.4	20	1500	0.5	< 2	1.13	0.5	19	23	816	4.43	< 10	< 1	0.79	20	1.13	1775	21
CGC104G3-122X	214	238	1.38	1.2	< 5	1220	< 0.5	< 2	1.01	1.0	16	19	844	4.31	< 10	< 1	0.71	20	1.06	1680	15
CGC104G3-123X	214	238	0.95	1.2	< 5	1580	< 0.5	2	0.98	0.5	15	29	2670	3.51	< 10	< 1	0.52	20	0.74	1100	16
CGC104G3-124X	214	238	0.96	< 0.2	10	470	< 0.5	2	0.56	0.5	12	22	297	3.16	< 10	< 1	0.42	20	0.89	1470	15
CGC104G3-125X	214	238	0.94	< 0.2	10	360	< 0.5	< 2	0.77	1.0	15	23	250	3.46	< 10	< 1	0.29	20	0.72	2620	20
CGC104G3-126X	214	238	1.16	0.4	10	350	< 0.5	< 2	0.65	0.5	15	26	158	3.96	< 10	< 1	0.26	10	0.81	1920	6
CGC104G3-127X	214	238	1.07	0.6	25	280	< 0.5	< 2	2.80	1.0	25	15	333	6.70	< 10	< 1	0.21	< 10	1.22	1600	3
CGC104G3-128X	214	238	1.18	0.8	30	210	< 0.5	< 2	1.74	1.5	26	23	282	8.72	< 10	< 1	0.23	10	1.06	1575	3

CERTIFICATION : B. Caughlin

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CERTIFICATE OF ANALYSIS A8923479

SAMPLE DESCRIPTION	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
C 2345	214	238	< 0.01	7	5450	34	< 5	4	62	0.06	< 10	< 10	232	20	104
C 2355	214	238	0.01	9	3390	34	< 5	5	55	0.09	< 10	< 10	193	10	114
C 2365	214	238	0.01	4	1870	22	< 5	6	82	0.12	< 10	< 10	150	< 10	76
C 2375	214	238	0.02	9	2690	16	< 5	6	79	0.19	< 10	< 10	204	< 10	86
C 2385	214	238	0.03	7	2030	28	< 5	2	18	0.07	< 10	< 10	97	< 10	66
C 2395	214	238	0.03	1	1630	20	< 5	1	15	0.10	< 10	< 10	59	< 10	42
C 2405	214	238	< 0.01	14	4120	184	5	14	129	0.14	< 10	< 10	216	10	214
C 2415	214	238	< 0.01	14	3680	116	< 5	14	122	0.11	< 10	< 10	202	10	178
C 2425	214	238	0.01	10	3120	78	5	14	117	0.11	< 10	< 10	214	10	176
C 2435	214	238	0.01	14	3330	102	< 5	14	131	0.11	< 10	< 10	213	< 10	198
C 2455	214	238	0.01	15	3360	72	< 5	15	182	0.16	< 10	< 10	258	40	172
C 2465	214	238	0.01	17	3690	102	< 5	14	137	0.09	< 10	< 10	229	20	196
C 2475	214	238	0.01	13	3940	68	< 5	12	134	0.09	< 10	< 10	233	10	164
C 2485	214	238	0.01	12	3190	52	< 5	14	199	0.09	< 10	< 10	190	10	176
C 2495	214	238	0.01	12	3180	56	< 5	13	183	0.12	< 10	< 10	208	10	180
T 1295	214	238	0.02	44	1100	< 2	< 5	7	38	0.24	< 10	< 10	189	< 10	66
T 1305	214	238	0.02	14	1070	8	< 5	6	51	0.25	< 10	< 10	206	< 10	58
T 1315	214	238	0.01	23	800	12	5	5	60	0.21	< 10	< 10	134	< 10	48
T 1325	214	238	0.01	33	1340	12	< 5	3	47	0.17	< 10	< 10	170	< 10	64
CGC104G3-101X	214	238	0.01	47	2270	38	5	13	122	0.11	< 10	< 10	211	< 10	104
CGC104G3-102X	214	238	0.02	51	850	< 2	< 5	5	150	0.07	< 10	< 10	90	50	42
CGC104G3-103X	214	238	0.02	36	860	8	< 5	6	207	0.06	< 10	< 10	113	10	46
CGC104G3-104X	214	238	0.02	30	680	8	< 5	4	167	0.06	< 10	< 10	86	20	44
CGC104G3-105X	214	238	0.02	27	1790	8	< 5	6	167	0.13	< 10	< 10	203	30	56
CGC104G3-106X	214	238	0.02	24	1700	14	5	6	184	0.14	< 10	< 10	177	20	58
CGC104G3-107X	214	238	0.02	53	830	8	< 5	5	175	0.06	< 10	< 10	87	10	44
CGC104G3-109X	214	238	0.03	42	1560	4	< 5	6	161	0.13	< 10	< 10	169	30	52
CGC104G3-112X	214	238	0.15	18	1510	328	< 5	4	331	0.12	< 10	< 10	99	20	126
CGC104G3-113X	214	238	0.03	12	2090	114	< 5	13	303	0.15	< 10	< 10	215	30	244
CGC104G3-114X	214	238	0.06	19	2260	54	< 5	11	521	0.16	< 10	< 10	219	120	182
CGC104G3-116X	214	238	0.01	20	1350	44	< 5	6	109	0.09	< 10	< 10	109	< 10	76
CGC104G3-117X	214	238	0.01	12	1420	30	< 5	7	187	0.06	< 10	< 10	96	20	84
CGC104G3-118X	214	238	0.08	14	1610	74	< 5	8	345	0.13	< 10	< 10	129	60	184
CGC104G3-122X	214	238	0.04	12	1550	50	< 5	8	266	0.12	< 10	< 10	151	20	156
CGC104G3-123X	214	238	0.02	21	1070	24	< 5	5	183	0.06	< 10	< 10	104	40	112
CGC104G3-124X	214	238	0.01	12	1370	12	< 5	7	144	0.07	< 10	< 10	131	70	84
CGC104G3-125X	214	238	0.01	12	1320	24	< 5	6	144	0.07	< 10	< 10	101	20	90
CGC104G3-126X	214	238	0.01	15	1520	34	< 5	8	115	0.07	< 10	< 10	100	20	112
CGC104G3-127X	214	238	< 0.01	13	3400	58	< 5	12	192	0.08	< 10	< 10	185	40	162
CGC104G3-128X	214	238	< 0.01	13	3530	56	< 5	12	137	0.10	< 10	< 10	249	50	192

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.
Analytical Chemists • Geochemists • Registered Assayers
212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: COASTECH RESEARCH INC.
80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9
Project :
Comments: ATTN: JACK STANLEY

Page No. : 4-A
Tot. Pages: 4
Date : 21-AUG-89
Invoice # : I-8923479
P.O. # : 89-4127

CERTIFICATE OF ANALYSIS A8923479

SAMPLE DESCRIPTION	PREP CODE		Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
CGC104G3-129X	214	238	1.77	0.4	< 5	90	< 0.5	< 2	1.60	1.5	27	23	304	6.64	< 10	< 1	0.55	20	1.67	1565	7
CGC104G3-130X	214	238	1.12	0.8	15	320	< 0.5	< 2	2.87	1.5	25	14	325	6.52	< 10	< 1	0.24	< 10	1.20	1675	1
CGC104G3-131X	214	238	1.43	0.8	< 5	310	< 0.5	< 2	2.30	1.0	20	24	216	7.36	< 10	< 1	0.44	10	1.36	1540	1
CGC104G3-132X	214	238	1.11	0.8	40	270	< 0.5	< 2	2.30	0.5	25	25	284	9.33	< 10	< 1	0.22	10	1.05	1440	
CGC104G3-175X	214	238	0.83	0.2	10	800	< 0.5	2	1.51	< 0.5	10	32	445	2.86	< 10	< 1	0.35	10	0.82	705	
CGC104G3-176X	214	238	0.55	< 0.2	5	850	< 0.5	2	1.52	< 0.5	12	20	1140	3.18	< 10	< 1	0.26	20	0.60	1180	8
CGC104G3-178X	214	238	0.99	0.6	< 5	580	< 0.5	< 2	1.34	0.5	14	31	1505	3.45	< 10	< 1	0.41	10	1.02	935	5
CGC104G3-179X	214	238	1.08	0.4	< 5	450	< 0.5	< 2	2.02	< 0.5	14	24	872	4.02	< 10	< 1	0.46	20	1.10	1185	6
CGC104G3-180X	214	238	1.19	2.8	10	350	< 0.5	< 2	1.41	< 0.5	14	59	486	4.53	< 10	< 1	0.44	10	1.18	960	5
CGC104G3-183X	214	238	1.00	0.2	< 5	440	< 0.5	< 2	1.26	< 0.5	12	32	714	3.51	< 10	< 1	0.52	10	1.10	860	2
CGC104G3-185X	214	238	1.22	1.2	< 5	450	< 0.5	< 2	1.42	0.5	14	59	459	3.96	< 10	< 1	0.46	10	1.33	870	5
CGC104G3-187X	214	238	1.21	0.2	< 5	180	< 0.5	< 2	1.14	0.5	14	71	318	4.30	< 10	< 1	0.23	10	1.06	745	5
CGC104G3-219X	214	238	0.83	1.6	< 5	310	< 0.5	< 2	0.58	0.5	12	24	43	3.82	< 10	< 1	0.14	10	0.54	1755	17
CGC104G3-220X	214	238	0.68	0.8	10	390	< 0.5	2	0.48	0.5	12	12	98	3.09	< 10	< 1	0.31	20	0.42	1165	5
CGC104G3-221X	214	238	0.57	0.8	10	830	< 0.5	< 2	0.56	1.0	14	14	135	3.30	< 10	< 1	0.27	20	0.26	1825	7
TGC104G3-005X	214	238	0.85	0.4	10	380	< 0.5	< 2	1.44	< 0.5	10	31	239	3.07	< 10	< 1	0.22	10	0.75	860	2
TGC104G3-007X	214	238	1.31	0.2	< 5	180	< 0.5	2	2.94	0.5	16	18	128	5.05	< 10	< 1	0.17	< 10	0.87	670	< 1
TGC104G3-008X	214	238	1.25	0.2	20	110	< 0.5	< 2	2.65	0.5	23	27	176	8.60	< 10	< 1	0.14	< 10	0.79	635	2
TGC104G3-045X	214	238	0.75	0.4	< 5	690	< 0.5	< 2	1.09	0.5	9	16	571	2.86	< 10	< 1	0.31	20	0.61	845	2
TGC104G3-046X	214	238	0.80	< 0.2	< 5	480	< 0.5	2	1.18	< 0.5	9	17	418	2.72	< 10	< 1	0.30	10	0.70	705	1
TGC104G3-047X	214	238	0.65	0.4	5	400	< 0.5	< 2	0.79	< 0.5	7	15	361	2.41	< 10	< 1	0.28	10	0.57	615	2
TGC104G3-048X	214	238	0.74	0.2	< 5	430	< 0.5	< 2	1.01	< 0.5	9	22	345	2.96	< 10	< 1	0.26	10	0.66	695	< 1
TGC104G3-049X	214	238	0.74	< 0.2	< 5	380	< 0.5	< 2	0.98	< 0.5	9	32	323	2.78	< 10	< 1	0.25	10	0.64	755	4
TGC104G3-054X	214	238	1.13	2.0	< 5	1940	< 0.5	< 2	0.30	0.5	17	11	4960	3.56	< 10	< 1	0.75	10	0.58	1100	
TGC104G3-055X	214	238	1.00	1.0	< 5	1280	< 0.5	< 2	1.21	0.5	21	40	3180	4.62	< 10	< 1	0.41	20	0.85	1560	
TGC104G3-056X	214	238	0.83	1.6	< 5	1540	< 0.5	< 2	0.84	0.5	17	33	2460	3.82	< 10	< 1	0.48	20	0.65	955	16
TGC104G3-057X	214	238	1.09	0.8	15	790	< 0.5	< 2	1.28	< 0.5	19	60	2570	4.64	< 10	< 1	0.44	10	1.09	1380	5
TGC104G3-058X	214	238	1.03	0.8	10	890	< 0.5	< 2	0.96	< 0.5	16	38	2150	4.61	< 10	< 1	0.43	20	0.86	1190	9
TGC104G3-059X	214	238	1.10	< 0.2	20	290	< 0.5	< 2	0.56	0.5	13	17	588	3.94	< 10	< 1	0.33	20	0.75	1745	18
TGC104G3-062X	214	238	0.99	< 0.2	< 5	350	< 0.5	< 2	0.76	0.5	12	11	101	3.32	< 10	< 1	0.37	20	0.76	1285	14
TGC104G3-065X	214	238	0.95	< 0.2	< 5	210	< 0.5	< 2	0.71	< 0.5	11	19	77	3.83	< 10	< 1	0.29	20	0.76	1080	4
TGC104G3-066X	214	238	1.65	< 0.2	10	330	< 0.5	< 2	4.09	0.5	18	20	346	5.94	< 10	< 1	0.22	< 10	1.20	930	< 1
TGC104G3-069X	214	238	1.30	0.6	20	120	< 0.5	< 2	2.72	< 0.5	20	23	157	8.19	< 10	< 1	0.15	< 10	0.84	645	2
TGC104G3-070X	214	238	1.31	< 0.2	10	150	< 0.5	< 2	2.63	< 0.5	18	22	146	6.72	< 10	< 1	0.18	< 10	0.87	650	< 1
TGC104G3-071X	214	238	1.22	< 0.2	5	310	< 0.5	< 2	2.16	< 0.5	17	69	200	4.49	< 10	< 1	0.18	< 10	1.24	820	2
TGC104G3-072X	214	238	1.24	< 0.2	10	140	< 0.5	< 2	2.80	0.5	18	23	179	6.87	< 10	< 1	0.17	< 10	0.86	650	2

CERTIFICATION : B. Caplin

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: COASTECH RESEARCH INC.
80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9
Project :
Comments: ATTN: JACK STANLEY

Date : 21-AUG-89
Invoice # : I-8923479
P.O. # : 89-4127

CERTIFICATE OF ANALYSIS A8923479

SAMPLE DESCRIPTION	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
CGC104G3-129X	214	238	0.01	10	2760	42	< 5	13	200	0.18	< 10	< 10	281	50	182
CGC104G3-130X	214	238	< 0.01	11	3390	62	< 5	12	213	0.09	< 10	< 10	192	30	170
CGC104G3-131X	214	238	0.01	11	3090	38	< 5	13	241	0.15	< 10	< 10	273	50	154
CGC104G3-132X	214	238	< 0.01	11	3260	50	< 5	12	198	0.11	< 10	< 10	309	40	164
CGC104G3-175X	214	238	0.02	14	1590	16	< 5	7	131	0.10	< 10	< 10	130	10	48
CGC104G3-176X	214	238	0.01	12	2000	22	< 5	8	136	0.04	< 10	< 10	142	40	76
CGC104G3-178X	214	238	0.02	15	1760	2	< 5	10	139	0.10	< 10	< 10	162	20	70
CGC104G3-179X	214	238	0.02	14	2610	16	< 5	11	138	0.10	< 10	< 10	227	40	86
CGC104G3-180X	214	238	0.02	25	1830	22	< 5	9	115	0.14	< 10	< 10	229	50	82
CGC104G3-183X	214	238	0.02	15	1850	16	< 5	8	117	0.11	< 10	< 10	186	20	76
CGC104G3-185X	214	238	0.03	36	1740	26	< 5	7	120	0.12	< 10	< 10	204	20	78
CGC104G3-187X	214	238	0.01	31	1460	22	< 5	7	67	0.13	< 10	< 10	182	< 10	74
CGC104G3-219X	214	238	0.01	10	800	40	< 5	3	182	0.05	< 10	< 10	52	10	106
CGC104G3-220X	214	238	0.01	3	1010	42	< 5	3	92	0.03	< 10	< 10	52	40	174
CGC104G3-221X	214	238	< 0.01	7	1090	72	< 5	6	115	0.02	< 10	< 10	47	20	254
TGC104G3-005X	214	238	0.02	16	1230	10	< 5	6	197	0.09	< 10	< 10	128	10	58
TGC104G3-007X	214	238	0.01	6	1450	10	< 5	7	136	0.18	< 10	< 10	148	20	76
TGC104G3-008X	214	238	0.01	12	1710	30	< 5	7	134	0.22	< 10	< 10	223	70	92
TGC104G3-045X	214	238	0.02	8	1290	18	< 5	8	201	0.08	< 10	< 10	134	< 10	62
TGC104G3-046X	214	238	0.02	10	1390	12	< 5	7	187	0.10	< 10	< 10	132	20	52
TGC104G3-047X	214	238	0.02	9	1130	8	< 5	6	184	0.08	< 10	< 10	122	10	48
TGC104G3-048X	214	238	0.02	11	1370	2	< 5	6	189	0.08	< 10	< 10	136	10	50
TGC104G3-049X	214	238	0.02	15	1330	18	< 5	5	191	0.08	< 10	< 10	124	40	54
TGC104G3-054X	214	238	0.01	4	760	38	< 5	3	135	0.05	< 10	< 10	71	20	104
TGC104G3-055X	214	238	0.02	21	1670	66	< 5	8	159	0.06	< 10	< 10	125	10	130
TGC104G3-056X	214	238	0.01	22	1050	36	< 5	4	180	0.05	< 10	< 10	88	90	98
TGC104G3-057X	214	238	0.02	36	1690	30	5	9	142	0.07	< 10	< 10	146	40	110
TGC104G3-058X	214	238	0.02	23	1550	24	< 5	7	178	0.08	< 10	< 10	162	30	100
TGC104G3-059X	214	238	0.01	9	1350	56	< 5	6	149	0.08	< 10	< 10	118	30	94
TGC104G3-062X	214	238	0.01	8	1320	22	< 5	5	97	0.06	< 10	< 10	83	40	96
TGC104G3-065X	214	238	0.01	10	1610	32	< 5	5	96	0.08	< 10	< 10	99	100	76
TGC104G3-066X	214	238	0.02	11	1530	26	5	9	174	0.19	< 10	< 10	178	40	92
TGC104G3-069X	214	238	0.01	10	1480	34	< 5	7	131	0.21	< 10	< 10	210	60	68
TGC104G3-070X	214	238	0.01	11	1420	38	5	6	128	0.20	< 10	< 10	170	40	66
TGC104G3-071X	214	238	0.01	31	1390	16	< 5	9	145	0.12	< 10	< 10	144	30	70
TGC104G3-072X	214	238	0.01	11	1600	26	5	6	134	0.19	< 10	< 10	181	20	64

CERTIFICATION : B. Caplin

Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

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PHONE (604) 984-0221

To : COASTECH RESEARCH INC.

80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9

Project :
Comments: ATTN: JACK STANLEY

Date : 22-AUG-89
Invoice # : I-8923794
P.O. # : 89-4130

CERTIFICATE OF ANALYSIS A8923794

SAMPLE DESCRIPTION	PREP CODE		Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
COC104G3 261X	214	238	0.92	0.4	15	830	< 0.5	2	0.70	< 0.5	7	84	340	4.58	10	< 1	0.52	20	0.89	720	27
COC104G3 263S	214	238	2.30	< 0.2	15	20	< 0.5	< 2	0.58	< 0.5	8	69	90	6.35	20	< 1	0.04	10	0.64	600	< 1
COC104G3 264S	214	238	2.07	< 0.2	< 5	60	< 0.5	< 2	0.71	< 0.5	14	86	577	6.92	10	1	0.04	10	1.23	685	< 1
COC104G3 265S	214	238	2.29	0.2	5	30	< 0.5	< 2	0.39	< 0.5	11	92	407	6.90	20	1	0.07	10	1.00	515	1
COC104G3 266S	214	238	2.40	0.2	5	30	< 0.5	< 2	0.53	< 0.5	14	106	248	5.49	10	< 1	0.05	10	1.28	520	< 1
COC104G3 267S	214	238	1.47	0.8	25	70	< 0.5	< 2	0.49	< 0.5	16	71	261	6.15	20	< 1	0.11	10	0.94	1040	8
COC104G3 268S	214	238	1.50	0.4	< 5	90	< 0.5	< 2	0.52	< 0.5	11	162	35	3.66	10	< 1	0.05	10	0.96	655	8
COC104G3 269S	214	238	1.82	1.6	15	70	< 0.5	< 2	0.39	< 0.5	10	189	77	4.46	20	< 1	0.08	10	0.64	985	3
COC104G3 270S	214	238	2.10	0.4	< 5	70	< 0.5	< 2	0.54	< 0.5	9	157	1200	3.44	10	< 1	0.05	10	1.08	220	4
COC104G3 271S	214	238	1.66	0.4	< 5	160	< 0.5	< 2	0.57	0.5	12	54	1030	3.26	10	< 1	0.10	10	0.88	615	13
COC104G3 272S	214	238	1.35	0.6	< 5	120	< 0.5	< 2	0.62	< 0.5	16	30	246	7.91	20	< 1	0.09	10	1.02	2100	11
COC104G3 273S	214	238	1.78	0.2	< 5	140	< 0.5	< 2	0.75	0.5	22	70	429	5.86	20	< 1	0.14	10	0.64	3010	26
COC104G3 274S	214	238	2.47	0.2	< 5	30	< 0.5	< 2	1.03	< 0.5	13	64	1030	6.32	20	< 1	0.05	10	1.56	785	22
COC104G3 275S	214	238	1.43	0.2	10	30	< 0.5	< 2	0.79	< 0.5	2	28	48	2.33	10	< 1	0.02	10	0.26	270	< 1
COC104G3 276S	214	238	2.54	0.2	20	20	< 0.5	< 2	0.92	< 0.5	17	203	294	4.69	10	< 1	0.02	10	1.68	625	2
COC104G3 277S	214	238	2.49	< 0.2	< 5	10	< 0.5	< 2	2.84	< 0.5	27	10	430	10.95	30	< 1	0.05	< 10	1.80	1300	< 1
COC104G3 278S	214	238	2.27	< 0.2	< 5	70	< 0.5	< 2	2.36	< 0.5	24	39	1485	10.20	20	< 1	0.43	10	2.04	1310	< 1
COC104G3 279S	214	238	2.05	0.6	< 5	120	< 0.5	< 2	1.81	< 0.5	18	27	1615	6.02	20	< 1	0.53	20	1.72	1170	< 1
COC104G3 280S	214	238	2.03	< 0.2	10	40	< 0.5	< 2	1.38	< 0.5	22	20	499	7.66	20	< 1	0.44	20	1.65	890	< 1
COC104G3 281S	214	238	1.66	0.2	15	30	< 0.5	< 2	0.55	< 0.5	10	171	137	4.50	10	< 1	0.04	10	0.86	515	1
COC104G3 282S	214	238	1.84	< 0.2	< 5	130	< 0.5	< 2	0.57	< 0.5	20	57	1230	3.83	10	< 1	0.05	10	1.33	685	13
COC104G3 283S	214	238	2.03	0.8	< 5	110	< 0.5	< 2	0.88	< 0.5	16	121	1375	3.30	10	< 1	0.12	10	1.75	440	7
COC104G3 284S	214	238	2.05	0.2	< 5	190	< 0.5	< 2	0.76	0.5	16	78	1250	4.53	10	< 1	0.13	20	1.22	745	4
COC104G3 285S	214	238	2.63	< 0.2	5	30	< 0.5	< 2	0.37	< 0.5	25	389	491	5.19	10	< 1	0.01	10	3.21	645	6
COC104G3 286S	214	238	1.81	0.6	10	200	< 0.5	< 2	0.58	< 0.5	31	54	2330	3.46	10	< 1	0.08	20	0.51	2190	6
COC104G3 287S	214	238	0.99	1.0	< 5	90	< 0.5	< 2	0.34	< 0.5	15	95	461	6.28	20	1	0.07	10	0.30	2410	33
COC104G3 288S	214	238	1.57	0.8	< 5	20	< 0.5	< 2	1.09	< 0.5	13	107	919	4.27	10	1	0.09	10	1.21	455	< 1
COC104G3 289S	214	238	2.25	< 0.2	< 5	30	< 0.5	< 2	1.18	< 0.5	15	113	342	5.60	10	< 1	0.12	10	1.51	565	< 1
COC104G3 290S	214	238	1.74	0.6	< 5	40	< 0.5	< 2	1.49	< 0.5	21	83	3150	5.76	10	1	0.34	10	1.66	815	< 1
COC104G3 291S	214	238	2.12	2.8	< 5	80	< 0.5	< 2	1.32	0.5	25	93	>10000	8.08	20	< 1	0.36	20	2.13	1170	17
COC104G3 292S	214	238	2.32	0.2	15	50	< 0.5	< 2	1.11	< 0.5	39	617	272	6.15	10	< 1	0.59	< 10	3.18	760	9
COC104G3 293S	214	238	2.26	0.4	< 5	130	< 0.5	< 2	0.77	1.0	40	237	418	7.68	10	< 1	0.25	20	2.74	1370	28
COC104G3 294S	214	238	2.85	< 0.2	30	50	< 0.5	< 2	1.19	0.5	31	703	89	4.46	< 10	< 1	0.21	< 10	4.36	745	< 1
COC104G3 295S	214	238	2.93	< 0.2	15	30	< 0.5	< 2	1.28	0.5	45	408	362	6.97	10	< 1	0.69	10	3.59	1005	12
COC104G3 296S	214	238	3.01	0.2	10	100	< 0.5	< 2	0.85	< 0.5	76	157	736	10.10	20	< 1	0.96	20	2.81	1875	99
COC104G3 297S	214	238	2.44	0.6	< 5	90	< 0.5	< 2	0.83	1.0	138	30	3110	10.50	20	< 1	0.80	20	2.28	1470	152
COC104G3 298S	214	238	2.92	< 0.2	20	40	< 0.5	< 2	0.66	< 0.5	57	12	1095	7.93	10	< 1	0.83	20	2.11	1135	81
COC104G3 299S	214	238	1.98	0.4	30	40	< 0.5	4	1.27	< 0.5	32	67	535	12.30	20	< 1	0.36	< 10	1.51	910	135
COC104G3 301X	214	238	1.47	2.2	< 5	150	< 0.5	< 2	1.08	0.5	23	259	1070	5.99	10	< 1	0.41	20	1.75	900	19
COC104G3 302X	214	238	1.32	0.4	< 5	90	< 0.5	2	1.04	< 0.5	17	147	236	5.33	10	< 1	0.38	10	1.35	805	8

CERTIFICATION : _____

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: COASTECH RESEARCH INC.
80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9
Project :
Comments: ATTN: JACK STANLEY

Page No. :1-B
Tot. Pages:4
Date :22-AUG-
Invoice # :I-892379
P.O. # :89-4130

CERTIFICATE OF ANALYSIS A8923794

SAMPLE DESCRIPTION	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
COC104G3 261X	214	238	0.01	1	1740	12	< 5	6	110	0.07	< 10	< 10	291	10	66
COC104G3 263S	214	238	0.01	14	1020	4	< 5	4	45	0.22	< 10	< 10	304	10	54
COC104G3 264S	214	238	0.01	22	600	< 2	< 5	7	53	0.29	< 10	< 10	348	10	72
COC104G3 265S	214	238	0.02	27	820	6	< 5	7	96	0.15	< 10	< 10	326	10	76
COC104G3 266S	214	238	0.02	45	910	< 2	< 5	4	39	0.16	< 10	< 10	256	10	72
COC104G3 267S	214	238	0.02	19	1810	6	< 5	4	34	0.10	< 10	< 10	365	10	86
COC104G3 268S	214	238	0.03	49	960	< 2	< 5	1	44	0.10	< 10	< 10	161	< 10	60
COC104G3 269S	214	238	0.03	33	970	4	< 5	2	34	0.13	< 10	< 10	143	< 10	60
COC104G3 270S	214	238	0.02	42	610	14	< 5	3	45	0.21	< 10	< 10	150	< 10	46
COC104G3 271S	214	238	0.10	27	1110	6	< 5	4	39	0.13	< 10	< 10	132	< 10	78
COC104G3 272S	214	238	0.02	13	2320	52	< 5	8	52	0.17	< 10	< 10	526	10	132
COC104G3 273S	214	238	0.02	18	1710	22	< 5	4	90	0.13	< 10	< 10	372	10	118
COC104G3 274S	214	238	0.01	23	1510	14	< 5	9	89	0.24	< 10	< 10	414	20	112
COC104G3 275S	214	238	0.02	1	600	18	< 5	4	62	0.26	< 10	< 10	171	< 10	26
COC104G3 276S	214	238	0.02	69	910	10	< 5	7	58	0.18	< 10	< 10	252	10	64
COC104G3 277S	214	238	< 0.01	8	1730	< 2	< 5	17	59	0.17	< 10	< 10	828	30	110
COC104G3 278S	214	238	0.01	23	2690	6	< 5	15	106	0.17	< 10	< 10	697	30	134
COC104G3 279S	214	238	0.08	17	2480	< 2	< 5	11	97	0.17	< 10	< 10	393	10	130
COC104G3 280S	214	238	0.02	11	2330	6	< 5	8	118	0.23	< 10	< 10	588	20	120
COC104G3 281S	214	238	0.04	37	950	2	< 5	2	39	0.13	< 10	< 10	218	< 10	60
COC104G3 282S	214	238	0.02	32	990	4	< 5	6	42	0.12	< 10	< 10	237	10	80
COC104G3 283S	214	238	0.05	67	1400	4	< 5	7	49	0.16	< 10	< 10	172	< 10	86
COC104G3 284S	214	238	0.07	37	1350	8	< 5	7	45	0.17	< 10	< 10	236	10	82
COC104G3 285S	214	238	0.03	198	1110	2	< 5	6	19	0.12	< 10	< 10	147	10	78
COC104G3 286S	214	238	0.03	13	1190	14	< 5	3	51	0.09	< 10	< 10	165	< 10	56
COC104G3 287S	214	238	0.02	28	2100	14	< 5	2	28	0.08	< 10	< 10	200	10	98
COC104G3 288S	214	238	0.02	42	1570	< 2	< 5	7	71	0.16	< 10	< 10	192	10	44
COC104G3 289S	214	238	0.03	39	1430	2	< 5	8	69	0.23	< 10	< 10	311	10	64
COC104G3 290S	214	238	0.01	39	2510	28	< 5	10	70	0.19	< 10	< 10	348	20	96
COC104G3 291S	214	238	0.02	42	2480	194	< 5	18	69	0.20	< 10	< 10	504	30	186
COC104G3 292S	214	238	0.01	172	1070	6	< 5	7	39	0.20	< 10	< 10	142	40	90
COC104G3 293S	214	238	0.01	117	1470	60	< 5	9	37	0.21	< 10	< 10	155	20	100
COC104G3 294S	214	238	0.01	257	1360	< 2	< 5	5	27	0.21	< 10	< 10	112	20	108
COC104G3 295S	214	238	0.01	170	1110	6	< 5	9	45	0.27	< 10	< 10	174	30	106
COC104G3 296S	214	238	0.01	37	1510	164	< 5	17	62	0.37	< 10	< 10	240	30	124
COC104G3 297S	214	238	0.01	24	1810	40	< 5	15	94	0.36	< 10	< 10	178	30	148
COC104G3 298S	214	238	0.01	7	2090	4	< 5	6	62	0.35	< 10	< 10	142	20	66
COC104G3 299S	214	238	0.01	17	1600	34	< 5	11	71	0.27	< 10	< 10	202	40	70
COC104G3 301X	214	238	0.01	54	1860	30	< 5	7	104	0.15	< 10	< 10	183	30	118
COC104G3 302X	214	238	0.01	28	1310	24	< 5	7	120	0.21	< 10	< 10	158	10	80

CERTIFICATION : _____

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80 NIOBE ST.
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V7J 2C9

Project :

Comments: ATTN: JACK STANLEY

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Date :22-
Invoice # :I-89
P.O. # :89-41

CERTIFICATE OF ANALYSIS A8923794

SAMPLE DESCRIPTION	PREP CODE		Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
COC104G3 306S	214	238	2.13	< 0.2	< 5	40	< 0.5	2	1.92	< 0.5	14	44	88	5.78	10	< 1	0.12	< 10	1.41	875	<
COC104G3 307S	214	238	1.38	< 0.2	15	130	< 0.5	2	1.13	< 0.5	20	39	124	4.27	10	< 1	0.12	10	0.96	1925	
COC104G3 308S	214	238	2.00	< 0.2	30	160	< 0.5	< 2	1.72	< 0.5	23	55	195	5.96	10	< 1	0.11	< 10	1.67	2590	
COC104G3 309S	214	238	1.87	< 0.2	< 5	60	< 0.5	< 2	1.20	< 0.5	13	68	150	5.47	10	1	0.11	10	1.00	1685	
COC104G3 310S	214	238	2.12	< 0.2	20	50	< 0.5	< 2	1.20	< 0.5	16	78	177	5.65	10	1	0.11	10	1.24	1090	
COC104G3 311S	214	238	1.83	0.2	20	40	< 0.5	< 2	1.00	< 0.5	13	54	142	5.23	10	< 1	0.09	10	0.90	1185	
COC104G3 312S	214	238	1.57	0.2	5	80	< 0.5	< 2	0.68	< 0.5	11	69	324	3.37	10	< 1	0.17	10	1.06	350	
COC104G3 313S	214	238	2.13	< 0.2	5	90	< 0.5	< 2	0.91	< 0.5	13	67	234	4.46	10	< 1	0.15	10	1.19	940	1
COC104G3 314S	214	238	1.57	0.4	15	100	< 0.5	< 2	0.73	< 0.5	9	49	106	3.61	10	< 1	0.06	10	0.46	1035	,1
COC104G3 315S	214	238	2.00	< 0.2	5	70	< 0.5	< 2	1.47	< 0.5	19	64	264	5.04	10	< 1	0.13	10	1.41	1105	
COC104G3 316S	214	238	1.26	0.2	5	30	< 0.5	< 2	0.98	< 0.5	11	41	59	3.77	10	1	0.07	< 10	0.46	1120	
COC104G3 317S	214	238	2.40	< 0.2	< 5	40	< 0.5	< 2	0.72	< 0.5	20	67	262	4.60	10	< 1	0.13	10	1.15	2160	1
COC104G3 318S	214	238	1.60	0.4	5	40	< 0.5	< 2	0.45	< 0.5	6	43	52	3.27	10	< 1	0.04	10	0.26	710	
COC104G3 319S	214	238	2.08	< 0.2	20	30	< 0.5	< 2	0.61	< 0.5	7	34	107	3.12	10	1	0.09	20	0.64	340	
COC104G3 320S	214	238	1.89	< 0.2	30	30	< 0.5	< 2	0.95	< 0.5	12	91	139	4.72	10	< 1	0.07	10	0.93	715	
COC104G3 321S	214	238	1.71	0.4	35	30	< 0.5	< 2	1.03	< 0.5	7	47	43	3.09	10	< 1	0.07	10	0.64	465	< 1
COC104G3 322S	214	238	1.86	0.6	< 5	70	< 0.5	< 2	1.00	0.5	18	27	79	3.92	10	< 1	0.31	10	1.21	755	2
COC104G3 323S	214	238	2.19	< 0.2	35	50	< 0.5	< 2	0.85	< 0.5	17	65	271	4.47	10	< 1	0.23	10	1.44	685	1
COC104G3 324S	214	238	2.28	0.2	15	30	< 0.5	< 2	0.59	< 0.5	13	96	106	3.83	10	< 1	0.05	10	1.06	640	1
COC104G3 325S	214	238	2.08	< 0.2	10	60	< 0.5	< 2	0.90	< 0.5	20	113	54	5.95	20	< 1	0.09	10	1.17	1370	1
COC104G3 326S	214	238	1.39	0.2	10	40	< 0.5	< 2	0.63	< 0.5	8	55	123	2.82	10	1	0.11	10	0.81	525	1
COC104G3 327S	214	238	2.48	0.2	< 5	60	0.5	< 2	1.65	< 0.5	20	26	210	4.07	20	< 1	0.32	20	2.50	1865	< 1
COC104G3 328S	214	238	2.09	< 0.2	5	20	< 0.5	< 2	0.52	< 0.5	7	71	74	4.22	10	< 1	0.05	10	0.55	455	1
COC104G3 329S	214	238	2.29	< 0.2	5	30	< 0.5	< 2	0.72	< 0.5	10	57	100	4.65	10	< 1	0.06	10	0.59	785	2
COC104G3 330S	214	238	1.92	2.2	35	360	< 0.5	< 2	0.86	< 0.5	38	15	3400	8.73	20	< 1	0.19	40	0.97	3540	16
COC104G3 331S	214	238	2.15	0.2	35	20	< 0.5	< 2	0.63	< 0.5	8	53	87	3.23	10	< 1	0.06	10	0.68	355	3
COC104G3 333S	214	238	2.07	0.4	< 5	50	< 0.5	< 2	0.68	< 0.5	16	106	491	4.19	10	< 1	0.11	10	1.23	605	2
COC104G3 334S	214	238	0.94	0.4	35	80	< 0.5	< 2	0.43	< 0.5	12	36	257	5.29	20	< 1	0.07	10	0.30	1520	5
COC104G3 335S	214	238	3.78	1.4	40	150	< 0.5	< 2	0.72	< 0.5	29	30	1480	6.73	20	< 1	0.22	30	0.93	2670	4
COC104G3 336S	214	238	1.95	1.0	25	50	< 0.5	< 2	0.52	< 0.5	17	78	498	4.52	10	< 1	0.07	10	0.94	675	4
COC104G3 337S	214	238	2.32	< 0.2	5	30	< 0.5	< 2	0.93	< 0.5	15	75	324	4.35	10	< 1	0.13	10	1.33	510	< 1
COC104G3 338S	214	238	1.63	0.8	< 5	50	< 0.5	< 2	0.43	< 0.5	9	36	112	4.94	20	< 1	0.05	10	0.28	955	4
COC104G3 339S	214	238	2.90	0.2	20	30	< 0.5	< 2	0.59	< 0.5	12	62	717	5.81	20	< 1	0.05	10	1.12	460	1
COC104G3 340S	214	238	2.47	1.6	30	120	< 0.5	< 2	1.71	< 0.5	37	31	5370	12.25	30	< 1	1.17	20	2.77	2120	< 1
COC104G3 344S	214	238	0.65	0.2	25	340	< 0.5	< 2	0.48	< 0.5	14	6	90	3.83	10	< 1	0.15	20	0.23	1405	7
COC104G3 345S	214	238	0.88	1.0	45	300	< 0.5	< 2	0.31	0.5	31	6	212	6.47	10	< 1	0.16	20	0.28	3750	13
COC104G3 346S	214	238	0.39	0.8	50	550	< 0.5	< 2	0.64	1.0	18	1	189	4.35	10	< 1	0.11	20	0.15	2650	10
COC104G3 347S	214	238	1.04	1.2	40	220	< 0.5	< 2	0.32	< 0.5	16	15	156	3.97	10	< 1	0.16	20	0.42	1715	5
COC104G3 348S	214	238	0.45	1.4	20	410	0.5	2	0.11	0.5	18	2	192	4.05	10	< 1	0.13	20	0.18	2770	8
COC104G3 349S	214	238	0.60	1.0	40	260	< 0.5	2	0.15	< 0.5	19	3	204	4.16	< 10	< 1	0.14	20	0.23	2580	6

CERTIFICATION : _____

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80 NIOBE ST.
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P.O. # : 89-4130

CERTIFICATE OF ANALYSIS A8923794

SAMPLE DESCRIPTION	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
COC1040J 306S	214	238	0.02	11	990	< 2	< 5	12	157	0.24	< 10	< 10	285	10	90
COC1040J 307S	214	238	0.05	14	850	10	< 5	5	86	0.15	< 10	< 10	172	10	94
COC1040J 308S	214	238	0.02	17	1550	< 2	5	8	131	0.19	< 10	< 10	289	10	144
COC1040J 309S	214	238	0.01	17	1400	6	< 5	4	90	0.13	< 10	< 10	268	< 10	82
COC1040J 310S	214	238	0.02	21	1070	6	< 5	7	84	0.18	< 10	< 10	262	< 10	98
COC1040J 311S	214	238	0.01	14	1410	6	< 5	4	81	0.14	< 10	< 10	245	< 10	90
COC1040J 312S	214	238	0.05	25	1020	2	5	4	47	0.14	< 10	< 10	125	< 10	68
COC1040J 313S	214	238	0.04	21	840	4	5	5	66	0.15	< 10	< 10	204	10	94
COC1040J 314S	214	238	0.03	11	1120	6	< 5	2	54	0.09	< 10	< 10	177	10	48
COC1040J 315S	214	238	0.03	25	1520	6	< 5	6	93	0.16	< 10	< 10	261	10	100
COC1040J 316S	214	238	0.01	13	1290	16	< 5	3	76	0.15	< 10	< 10	204	10	56
COC1040J 317S	214	238	0.02	23	1460	16	< 5	6	64	0.22	< 10	< 10	189	10	96
COC1040J 318S	214	238	0.01	7	1180	28	< 5	3	37	0.26	< 10	< 10	145	10	50
COC1040J 319S	214	238	0.04	9	810	20	< 5	5	55	0.23	< 10	< 10	135	< 10	50
COC1040J 320S	214	238	0.01	28	1520	10	< 5	5	63	0.17	< 10	< 10	224	10	70
COC1040J 321S	214	238	0.01	11	740	6	< 5	6	69	0.22	< 10	< 10	200	< 10	56
COC1040J 322S	214	238	0.03	9	1480	6	< 5	6	96	0.16	< 10	< 10	244	10	74
COC1040J 323S	214	238	0.01	23	1620	8	< 5	7	55	0.18	< 10	< 10	270	10	80
COC1040J 324S	214	238	0.02	32	930	10	< 5	3	44	0.12	< 10	< 10	198	< 10	56
COC1040J 325S	214	238	0.01	35	1540	2	5	5	62	0.19	< 10	< 10	245	10	88
COC1040J 326S	214	238	0.02	23	850	10	< 5	4	37	0.19	< 10	< 10	137	< 10	42
COC1040J 327S	214	238	0.02	13	1380	< 2	< 5	23	42	0.19	< 10	< 10	198	10	132
COC1040J 328S	214	238	0.01	19	1030	< 2	5	4	49	0.18	< 10	< 10	159	< 10	42
COC1040J 329S	214	238	0.01	16	1140	6	< 5	5	49	0.20	< 10	< 10	190	10	52
COC1040J 330S	214	238	0.04	15	3280	14	< 5	30	55	0.09	< 10	< 10	266	20	208
COC1040J 331S	214	238	0.03	16	910	< 2	< 5	4	46	0.18	< 10	< 10	135	10	44
COC1040J 333S	214	238	0.07	34	1420	6	< 5	8	84	0.17	< 10	< 10	162	10	70
COC1040J 334S	214	238	0.03	12	1690	2	< 5	5	36	0.09	< 10	< 10	193	< 10	86
COC1040J 335S	214	238	0.10	16	3160	< 2	< 5	20	46	0.12	< 10	< 10	259	10	146
COC1040J 336S	214	238	0.07	37	960	8	5	3	40	0.17	< 10	< 10	184	10	76
COC1040J 337S	214	238	0.04	28	1380	< 2	5	7	46	0.19	< 10	< 10	206	10	68
COC1040J 338S	214	238	0.01	8	1200	6	< 5	2	37	0.15	< 10	< 10	265	10	56
COC1040J 339S	214	238	0.01	19	1280	14	5	6	43	0.18	< 10	< 10	311	10	80
COC1040J 340S	214	238	0.01	19	3190	14	5	28	128	0.24	< 10	< 10	986	40	274
COC1040J 344S	214	238	0.01	3	1680	298	< 5	2	42	0.01	< 10	< 10	46	< 10	138
COC1040J 345S	214	238	0.01	3	1770	318	5	3	53	0.02	< 10	< 10	44	10	286
COC1040J 346S	214	238	0.01	2	1330	220	5	2	76	0.01	< 10	< 10	24	< 10	346
COC1040J 347S	214	238	0.01	6	1230	158	< 5	3	43	0.04	< 10	< 10	62	10	230
COC1040J 348S	214	238	< 0.01	2	700	182	< 5	2	46	0.01	< 10	< 10	25	10	222
COC1040J 349S	214	238	< 0.01	3	920	252	< 5	3	30	0.01	< 10	< 10	31	10	202

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Project :
Comments: ATTN: JACK STANLEY

Page No. : A
Tot. Pages: 4
Date : 22-AUG
Invoice # : I-89233
P.O. # : 89-4130

CERTIFICATE OF ANALYSIS A8923794

SAMPLE DESCRIPTION	PREP CODE		Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
0C1040J 350S	214	238	0.69	0.2	20	300	< 0.5	6	0.39	< 0.5	13	7	67	4.11	10	< 1	0.18	20	0.28	1410	7
0C1040J 351S	214	238	0.93	0.8	20	230	< 0.5	< 2	0.18	< 0.5	9	6	36	3.35	10	< 1	0.09	10	0.19	2340	8
0C1040J 352S	214	238	0.94	4.4	95	610	< 0.5	4	0.23	< 0.5	31	6	276	8.26	20	< 1	0.21	30	0.42	3630	10
0C1040J 353S	214	238	0.71	2.0	45	810	< 0.5	4	0.18	1.0	28	2	223	6.80	10	< 1	0.16	30	0.34	3050	17
0C1040J 354S	214	238	0.69	1.6	80	330	< 0.5	2	0.30	0.5	28	1	270	6.81	10	< 1	0.16	20	0.36	3320	32
0C1040J 355S	214	238	0.78	0.8	70	540	< 0.5	2	0.24	< 0.5	31	3	280	6.70	10	< 1	0.23	30	0.45	3520	17
0C1040J 356S	214	238	0.76	1.2	60	460	< 0.5	< 2	0.24	< 0.5	29	3	333	6.55	10	< 1	0.24	30	0.42	3060	19
0C1040J 357S	214	238	1.26	0.6	10	150	0.5	2	0.30	0.5	11	8	122	3.34	10	< 1	0.21	30	0.37	2370	18
0C1040J 358S	214	238	0.14	< 0.2	25	210	< 0.5	6	3.68	< 0.5	12	3	32	4.93	10	< 1	0.11	< 10	0.08	9820	607
0C1040J 359S	214	238	3.20	< 0.2	20	230	< 0.5	6	0.77	< 0.5	48	46	269	6.19	20	< 1	0.36	20	1.41	5430	36
0C1040J 360S	214	238	2.40	0.4	5	100	< 0.5	2	0.74	< 0.5	9	27	143	3.74	10	< 1	0.22	10	0.97	665	4
0C1040J 361S	214	238	2.11	0.2	< 5	70	< 0.5	2	0.88	0.5	12	27	894	3.72	10	< 1	0.24	10	1.11	755	3
0C1040J 362S	214	238	1.38	0.8	25	50	< 0.5	2	0.33	< 0.5	4	14	46	2.74	10	< 1	0.12	10	0.26	240	13
0C1040J 363S	214	238	0.94	1.2	10	30	< 0.5	2	0.18	< 0.5	2	9	18	2.00	10	< 1	0.07	10	0.14	115	4
0C1040J 364S	214	238	2.76	0.4	< 5	40	< 0.5	2	0.42	< 0.5	12	43	1695	5.03	10	< 1	0.12	10	0.87	730	14
0C1040J 365S	214	238	1.04	1.2	10	100	< 0.5	4	0.36	< 0.5	6	14	28	3.63	10	< 1	0.14	10	0.19	1105	6
0C1040J 366S	214	238	1.98	0.4	25	80	< 0.5	4	0.67	< 0.5	22	31	402	5.06	10	< 1	0.27	20	1.09	1835	21
0C1040J 367S	214	238	1.24	3.2	25	80	< 0.5	< 2	1.06	< 0.5	7	22	96	3.26	10	< 1	0.17	10	0.53	565	29
0C1040J 368S	214	238	1.63	1.4	10	70	< 0.5	2	0.46	< 0.5	11	48	43	4.95	10	< 1	0.13	10	0.45	1005	12
0C1040J 369S	214	238	0.85	1.0	35	290	0.5	2	0.38	< 0.5	12	9	139	4.62	10	< 1	0.20	20	0.36	1015	7
0C1040J 370S	214	238	0.54	1.4	30	460	< 0.5	2	0.21	1.5	18	6	223	5.32	10	< 1	0.17	30	0.17	2500	33
0C1040J 371S	214	238	0.59	1.4	45	550	< 0.5	4	0.17	2.0	21	8	271	6.37	10	< 1	0.16	30	0.23	3010	25
0C1040J 372S	214	238	1.58	0.4	30	300	< 0.5	< 2	0.59	< 0.5	18	15	203	5.87	10	< 1	0.34	20	1.00	2300	6
0C1040J 373S	214	238	1.43	1.2	40	260	< 0.5	4	0.61	< 0.5	17	17	177	6.24	10	< 1	0.35	20	1.15	1860	6
0C1040J 374S	214	238	1.27	0.8	40	330	< 0.5	2	0.59	< 0.5	17	10	166	5.75	10	< 1	0.36	20	0.99	1930	13
0C1040J 375S	214	238	1.26	0.8	10	310	< 0.5	2	0.68	< 0.5	18	12	153	6.21	10	< 1	0.35	20	0.98	1905	5
0C1040J 376S	214	238	0.91	1.2	25	310	< 0.5	2	0.57	< 0.5	14	10	159	5.80	10	< 1	0.29	20	0.64	1520	9
0C1040J 377S	214	238	1.45	1.2	5	290	< 0.5	4	0.63	< 0.5	19	17	204	5.94	10	< 1	0.33	20	1.10	2180	6
0C1040J 378S	214	238	1.31	1.0	15	360	< 0.5	2	0.49	< 0.5	20	21	203	5.80	10	< 1	0.38	20	0.93	2040	6
0C1040J 379S	214	238	1.29	0.8	55	140	< 0.5	4	0.88	< 0.5	17	20	162	6.03	10	< 1	0.32	20	0.85	1825	4
0C1040J 380S	214	238	1.71	0.2	15	60	< 0.5	2	1.43	< 0.5	15	9	51	3.83	10	< 1	0.30	10	1.69	850	4
0C1040J 381S	214	238	0.82	0.6	15	60	< 0.5	< 2	0.37	< 0.5	4	9	19	2.02	10	< 1	0.17	10	0.42	290	7
0C1040J 382S	214	238	1.07	0.8	25	130	< 0.5	2	0.61	< 0.5	15	11	159	5.16	10	< 1	0.29	20	0.83	1300	6
0C1040J 383S	214	238	1.22	3.4	35	320	< 0.5	4	0.46	< 0.5	18	11	234	5.76	10	< 1	0.34	20	0.88	2210	11
0C1040J 384S	214	238	1.07	0.2	15	310	< 0.5	< 2	0.60	< 0.5	14	12	182	5.82	10	< 1	0.34	20	0.77	1610	9
0C1040J 385S	214	238	0.90	1.4	25	400	< 0.5	< 2	0.41	< 0.5	13	10	187	6.02	10	< 1	0.33	20	0.54	1625	14
0C1040J 386S	214	238	1.30	1.0	15	150	< 0.5	< 2	0.50	< 0.5	11	11	123	3.92	10	< 1	0.20	20	0.80	975	3
0C1040J 387S	214	238	1.92	1.0	< 5	30	< 0.5	4	0.23	0.5	4	10	34	2.68	10	< 1	0.10	10	0.48	250	4
0C1040J 388S	214	238	1.98	0.8	10	70	< 0.5	6	0.65	< 0.5	13	15	128	3.36	10	< 1	0.22	20	1.25	600	15
0C1040J 389S	214	238	2.12	0.4	50	400	< 0.5	4	0.50	< 0.5	16	22	246	6.54	10	< 1	0.34	20	1.33	760	15

CERTIFICATION : _____

Chemex Labs Ltd.
Analytical Chemists • Geochemists • Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

COASTECH RESEARCH INC.

To : COASTECH RESEARCH INC.
80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9
Project :
Comments: ATTN: JACK STANLEY

Page No. :3-B
Tot. Pages: 4
Date :22-AUG-
Invoice # : I-8923794
P.O. # :89-4130

CERTIFICATE OF ANALYSIS A8923794

SAMPLE DESCRIPTION	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
89C1040J 350S	214	238	0.01	4	1490	160	< 5	1	104	0.02	< 10	< 10	43	10	158
89C1040J 351S	214	238	0.10	4	1180	78	< 5	1	20	0.10	< 10	< 10	25	< 10	86
89C1040J 352S	214	238	0.01	6	2330	422	< 5	4	129	0.03	< 10	< 10	53	10	340
89C1040J 353S	214	238	< 0.01	2	1770	296	< 5	4	83	0.03	< 10	< 10	44	10	296
89C1040J 354S	214	238	< 0.01	2	1560	422	< 5	4	152	0.03	< 10	< 10	39	10	434
89C1040J 355S	214	238	< 0.01	5	1870	286	< 5	4	78	0.04	< 10	< 10	53	10	306
89C1040J 356S	214	238	0.01	5	1520	240	< 5	4	65	0.04	< 10	< 10	54	10	284
89C1040J 357S	214	238	0.03	3	1260	206	< 5	1	83	0.04	< 10	< 10	51	< 10	126
89C1040J 358S	214	238	0.01	3	910	12	< 5	< 1	1185	< 0.01	< 10	< 10	< 1	10	72
89C1040J 359S	214	238	0.01	18	1180	58	< 5	10	170	0.10	< 10	< 10	173	10	178
89C1040J 360S	214	238	0.01	8	1290	22	< 5	4	96	0.10	< 10	< 10	165	10	100
89C1040J 361S	214	238	0.01	13	1690	32	< 5	7	106	0.13	< 10	< 10	148	< 10	104
89C1040J 362S	214	238	0.01	4	1200	42	< 5	1	55	0.06	< 10	< 10	86	< 10	46
89C1040J 363S	214	238	0.01	2	890	18	< 5	< 1	30	0.05	< 10	< 10	69	< 10	34
89C1040J 364S	214	238	0.01	13	1220	6	< 5	3	50	0.11	< 10	< 10	159	10	156
89C1040J 365S	214	238	0.02	4	1080	12	< 5	1	61	0.08	< 10	< 10	129	< 10	52
89C1040J 366S	214	238	0.03	15	1660	24	< 5	10	83	0.15	< 10	< 10	188	10	98
89C1040J 367S	214	238	0.02	9	730	16	5	3	724	0.11	< 10	< 10	133	10	106
89C1040J 368S	214	238	0.02	10	1150	18	< 5	2	82	0.12	< 10	< 10	166	< 10	80
89C1040J 369S	214	238	< 0.01	3	1460	342	5	5	37	0.02	< 10	< 10	57	< 10	308
89C1040J 370S	214	238	< 0.01	4	1210	304	< 5	4	45	0.01	< 10	< 10	32	< 10	420
89C1040J 371S	214	238	< 0.01	5	1280	294	5	5	52	0.01	< 10	< 10	39	< 10	552
89C1040J 372S	214	238	0.01	8	1680	100	5	8	94	0.11	< 10	< 10	142	< 10	230
89C1040J 373S	214	238	0.01	8	1490	848	< 5	7	103	0.15	< 10	< 10	144	< 10	184
89C1040J 374S	214	238	0.01	5	1660	846	< 5	7	104	0.12	< 10	< 10	123	10	182
89C1040J 375S	214	238	0.01	7	2000	96	< 5	7	120	0.13	< 10	< 10	135	10	152
89C1040J 376S	214	238	0.01	4	1670	194	5	6	112	0.09	< 10	< 10	107	< 10	124
89C1040J 377S	214	238	0.01	10	1480	324	5	9	110	0.14	< 10	< 10	143	< 10	166
89C1040J 378S	214	238	0.01	9	1540	124	5	9	87	0.09	< 10	< 10	129	< 10	122
89C1040J 379S	214	238	0.01	8	1880	54	< 5	8	175	0.12	< 10	< 10	147	10	204
89C1040J 380S	214	238	0.01	6	1160	12	< 5	13	434	0.17	< 10	10	187	< 10	196
89C1040J 381S	214	238	0.06	1	630	30	< 5	2	94	0.12	< 10	< 10	74	< 10	58
89C1040J 382S	214	238	0.01	5	1370	184	< 5	6	158	0.09	< 10	< 10	105	< 10	332
89C1040J 383S	214	238	0.01	6	1520	260	< 5	7	95	0.09	< 10	< 10	106	10	172
89C1040J 384S	214	238	0.01	4	1730	186	5	6	118	0.10	< 10	< 10	113	10	138
89C1040J 385S	214	238	0.01	6	1430	292	< 5	5	107	0.07	< 10	< 10	85	< 10	136
89C1040J 386S	214	238	0.01	4	1360	412	< 5	5	80	0.10	< 10	< 10	118	< 10	136
89C1040J 387S	214	238	0.02	2	890	52	< 5	2	71	0.12	< 10	< 10	135	< 10	58
89C1040J 388S	214	238	0.01	6	1300	110	< 5	8	132	0.15	< 10	< 10	153	10	132
89C1040J 389S	214	238	0.01	15	1230	168	< 5	9	126	0.14	< 10	< 10	157	20	204

CERTIFICATION : _____

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
111 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: COASTECH RESEARCH INC.

80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9

Project :
Comments: ATTN: JACK STANLEY

Page No. :4-A
Tot. Pages: 4
Date :22-AUG-8.
Invoice # :I-8923794
P.O. # :89-4130

CERTIFICATE OF ANALYSIS A8923794

SAMPLE DESCRIPTION	PREP CODE		Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
COC10403 390S	214	238	1.50	1.4	15	50	< 0.5	< 2	0.39	< 0.5	7	20	64	4.42	10	< 1	0.13	10	0.42	675	7
COC10403 391S	214	238	2.35	0.4	15	100	< 0.5	< 2	1.24	< 0.5	18	40	338	4.66	10	< 1	0.25	10	1.32	1055	6
COC10403 392S	214	238	1.83	0.8	25	150	< 0.5	< 2	0.97	< 0.5	11	22	249	4.11	10	< 1	0.22	20	1.10	815	5
COC10403 393S	214	238	2.13	0.6	15	50	< 0.5	< 2	0.90	< 0.5	7	34	107	4.36	10	< 1	0.16	10	1.00	820	2
COC10403 394S	214	238	2.16	0.4	25	60	< 0.5	< 2	0.38	< 0.5	8	27	82	4.02	10	< 1	0.13	10	0.55	700	8
COC10403 395S	214	238	0.96	< 0.2	10	40	< 0.5	< 2	0.49	< 0.5	5	10	20	1.36	< 10	< 1	0.11	10	0.29	240	8
COC10403 396S	214	238	1.98	0.8	< 5	50	< 0.5	< 2	0.62	< 0.5	6	28	77	3.00	10	< 1	0.12	10	0.55	415	7
C2505 MD	214	238	1.29	0.4	35	330	< 0.5	< 2	3.30	< 0.5	22	11	223	6.30	10	< 1	0.32	< 10	1.08	1790	1
C2515 MD	214	238	1.26	0.6	35	290	< 0.5	< 2	2.26	0.5	26	14	225	6.93	10	< 1	0.30	< 10	1.05	1770	< 1
C2525 MD	214	238	1.40	0.8	40	260	< 0.5	< 2	1.14	< 0.5	27	14	221	7.17	10	< 1	0.28	10	1.18	2130	< 1
C2535 MD	214	238	1.22	0.8	40	250	< 0.5	< 2	1.19	0.5	26	17	215	7.72	10	< 1	0.25	10	1.07	1810	< 1
C2545 MD	214	238	1.32	0.6	70	270	< 0.5	< 2	1.81	< 0.5	23	19	246	7.83	20	< 1	0.22	10	1.35	1770	1
C2555 MD	214	238	1.24	0.8	55	380	< 0.5	< 2	1.81	< 0.5	20	18	269	7.27	20	< 1	0.20	10	1.18	1845	< 1
C2565 MD	214	238	1.36	0.8	40	230	< 0.5	< 2	1.61	< 0.5	21	13	258	6.42	10	< 1	0.17	10	1.22	1665	3
C2575 MD	214	238	1.09	0.8	45	160	< 0.5	< 2	1.01	< 0.5	24	14	292	9.09	20	< 1	0.13	10	0.88	1360	2
C2585 MD	214	238	1.74	1.6	80	360	< 0.5	< 2	2.23	< 0.5	45	14	243	9.10	20	< 1	0.19	10	1.38	3350	5
C2595 MD	214	238	1.16	1.0	45	170	< 0.5	< 2	0.98	< 0.5	26	15	324	8.77	20	< 1	0.15	20	0.92	1675	2
MB10403 071R	214	238	0.23	4.6	310	90	< 0.5	< 2	1.21	12.5	27	26	147	6.24	10	< 1	0.17	< 10	0.31	1820	7
MB10403 076R	214	238	0.76	6.2	105	40	< 0.5	< 2	0.98	< 0.5	17	27	444	8.15	20	< 1	0.23	10	0.77	1730	10

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CERTIFICATION : _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
111 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To : COASTECH RESEARCH INC.

80 NIOBE ST.
NORTH VANCOUVER, B.C.
V7J 2C9

Project :
Comments: ATTN: JACK STANLEY

Page No. :A-B
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CERTIFICATE OF ANALYSIS A8923794

SAMPLE DESCRIPTION	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
C1040J 390S	214	238	0.03	4	990	26	< 5	2	42	0.14	< 10	< 10	158	< 10	68
C1040J 391S	214	238	0.02	17	1560	92	< 5	13	267	0.17	< 10	< 10	182	10	128
C1040J 392S	214	238	0.01	14	1470	164	< 5	9	178	0.13	< 10	< 10	148	10	130
C1040J 393S	214	238	0.01	12	970	24	< 5	6	105	0.15	< 10	< 10	189	10	92
C1040J 394S	214	238	0.04	9	1040	32	< 5	2	47	0.11	< 10	< 10	129	< 10	76
C1040J 395S	214	238	0.03	2	610	40	< 5	1	108	0.10	< 10	< 10	66	< 10	38
C1040J 396S	214	238	0.01	9	720	46	< 5	2	107	0.09	< 10	< 10	131	< 10	54
2505 MG	214	238	0.01	10	2850	50	< 5	12	165	0.10	< 10	< 10	185	< 10	166
2515 MG	214	238	0.01	10	3090	62	< 5	12	142	0.10	< 10	< 10	194	10	170
2525 MG	214	238	0.01	9	2950	78	< 5	14	133	0.13	< 10	< 10	221	10	186
2535 MG	214	238	0.01	11	2780	62	< 5	11	135	0.12	< 10	< 10	236	10	192
2545 MG	214	238	0.01	10	2930	54	< 5	12	147	0.12	< 10	< 10	247	20	212
2555 MG	214	238	0.01	11	2870	58	5	11	126	0.10	< 10	< 10	217	20	170
2565 MG	214	238	0.09	9	2940	54	5	10	151	0.13	< 10	< 10	205	20	170
2575 MG	214	238	0.01	8	2890	64	< 5	10	117	0.11	< 10	< 10	257	10	168
2585 MG	214	238	0.01	12	3290	214	10	15	182	0.17	< 10	< 10	258	20	276
2595 MG	214	238	0.01	9	3120	74	5	12	120	0.12	< 10	< 10	240	10	180
C1040J 071R	214	238	< 0.01	14	2000	870	< 5	9	46	< 0.01	< 10	< 10	32	10	1635
C1040J 076R	214	238	0.01	6	1530	136	< 5	8	100	0.09	< 10	< 10	108	10	238

CERTIFICATION : _____

COASTECH RESEARCH INC.

COASTECH ANALYTICAL SERVICES LABORATORY

Date: 29 Aug, 1989

TO: Mingold Resources
405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Invoice No. 08A014

Order No. 95508

Attention: Ed Yarrow

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au						
	Units	PPB						
1	MG 104 G3 82R	63						
2	83	3093	.091					
3	84	4915	.14					
4	85	2627	.077					
5	86	80						
6	87	190						
7	88	40						
8	89	77						
9	90	300						
10	91	970						
11	92	50						
12	93	233						
13	94	146						
14	95	6067						
15	96	2611						
16	97	3244						

80 Niobe Street, North Vancouver, B.C., Canada V7J 2C9 Telephone (604) 980-5992 FAX (604) 980-2737

COASTECH RESEARCH INC.

COASTECH ANALYTICAL SERVICES LABORATORY

Date: 29 Aug, 1989

TO: Mingold Resources
405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Invoice No. 08A014

Order No. 95508

Attention: Ed Yarrow

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au						
	Units	PPB						
17	MG 104 G3 98R	130						
18	102	550						
19	103	227						
20	104	70						
21	TGC 104 G3 133R	9774						
22	135	577						
23	136	267						
24	137	6497						
25	138	11698						
26	139	8614						
27	# ??	<5						
28	# 2	80	00002?					
29	3	50	00003?					
30	YARROW ? 126	40						
31	? 127	340						
32	? 128G	8200		49.2	6'			

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Attention: Ed Yarrow

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au						
	Units	PPB						
33	Y # 129G	18970						
34	Y 130	6330						
35	(T140R) 24779	50						
36	(T141R) 24780	20						
37	T? CGC 104 G3 134R	7680						
38	TGC 104 G3 142R	70						
39	143	6940						
40	145	130						
41	146	90						
42	CGC 104 G3 303R	2510						
43	304	470						
44	305	500						
45	CGC 104 G3 312S	<5						
46	397	233						
47	398	<5						
48	399	153						

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Order No. 95508

Attention: Ed Yarrow

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au						
	Units	PPB						
49	CGC 104 G3 400S	<5						
50	401	80						
51	402	<5						
52	403	<5						
53	404	<5						
54	405	424						
55	406	<5						
56	407	173						
57	408	215						
58	409	95						
59	410	367						
60	411	287						
61	412	187						
62	413	873						
63	414	<5						
64	415	760						

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Date: 29 Aug, 1989

TO: Mingold Resources
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Vancouver, BC
V6C 1V5

Invoice No. 08A014

Order No. 95508

Attention: Ed Yarrow

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au						
	Units	PPB						
65	CGC 104 G3 416S	520						
66	417	<5						
67	418	105						
68	420	184						
69	421	<5						
70	422	<5						
71	423	80						
72	424	203						
73	425	80						
74	426	<5						
75	427	27						
76	428	167						
77	429	387						
78	430	55						
79	431	324						
80	432	<5						

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Date: 29 Aug, 1989

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Vancouver, BC
V6C 1V5

Invoice No. 08A014

Order No. 95508

Attention: Ed Yarrow

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au						
	Units	PPB						
81	CG 104 G3 433S	247						
82	434	435						
83	435	500						
84	436	297						
85	437	213						
86	438	320						
87	439	290						
88	441	187						
89	442	197						
90	443	140						
91	444	193						
92	445	225						
93	446	200						
94	447	153						
95	448	120						
96	449	<5						

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Date: 29 Aug, 1989

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Vancouver, BC
V6C 1V5

Invoice No. 08A014

Order No. 95508

Attention: Ed Yarrow

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au						
	Units	PPB						
97	CGC 104 G3 450S	113						
98	451	893						
99	452	<5						
100	453	87						
101	454	<5						
102	455	<5						
103	457	<5						
104	458	60						
105	459	<5						
106	MG 104 G3 106S	773						
107	107	33						
108	108	50						
109	109	53						
110	110	7						
111	111	17						
112	112	48						

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COASTECH RESEARCH INC.

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Date: 29 Aug, 1989

TO: Mingold Resources
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Vancouver, BC
V6C 1V5

Invoice No. 08A014

Order No. 95508

Attention: Ed Yarrow

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au						
	Units	PPB						
113	MGC 104 G3 113S	44						
114	114	23						
115	115	17						
116	116	53						
117	117	47						
118	118	30						
119	119	40						
120	120	127						
121	Reconn? #00226	220						
122	" ? 227	57						
123	89-1R	<5						
124	2	13						
125	3	97						
126	4	13						
127	5	<5						
128	6	<5						

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Date: 29 Aug, 1989

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V6C 1V5

Invoice No. 08A014

Order No. 95508

Attention: Ed Yarrow

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au
	Units	PPB
129	89-7 R	10
130	8	13
131	9	10
132	10	13
133	11	<5
134	12	<5
135	13	913
136	14	<5
137	15	<5
138	16	<5
139	17	<5
140	18	<5
141	19	<5
142	20	<5
143	21	<5
144	22	<5

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COASTECH RESEARCH INC.

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405 - 470 Granville Street
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V6C 1V5

Invoice No. 08A014

Order No. 95508

Attention: Ed Yarrow

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C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au						
	Units	PPB						
145	89-23 R	<5						
146	24	<5						
147	25A	13						
148	25B	<5						
149	26	<5						
150	27	10						
151	28	<5						
152	29	<5						
153	30	<5						
154	31	<5						
155	32	10						
156	33	13						
157	34	<5						
158	35	13						
159	36	<5						
160	37	<5						

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COASTECH RESEARCH INC.

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Date: 29 Aug, 1989

TO: Mingold Resources
405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Invoice No. 08A014

Order No. 95508

Attention: Ed Yarrow

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C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au						
	Units	PPB						
161	89-38 R	10						
162	39	10						
163	40	10						
164	41	20						
165	42	<5						
166	43	<5						
167	44	20						
168	45	27						
169	46	23						
170	47	167						
171	48	167						
172	49	<5						
173	50	10						
174	51	107						
175	52	27						
176	53	33						

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COASTECH RESEARCH INC.

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Date: 29 Aug, 1989

TO: Mingold Resources
405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Invoice No. 08A014

Order No. 95508

Attention: Ed Yarrow

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au						
	Units	PPB						
177	89-54 R	30						
178	55	37						
179	# 00158 R	60						
180	159	13						
181	160	37						
182	161	73						
183	162	60						
184	163	57						
185	164	40						
186	165	77						
187	166	33						
188	176	57						
189	1093M - E 135R	83						
190	Loon 7	323	(Stream Sediment)					
191	Loon 9	120	(Stream Sediment)					

Registered Assayer, Province of B.C

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COASTECH RESEARCH INC.

COASTECH ANALYTICAL SERVICES LABORATORY

Date: 6 Sep, 1989

TO: Mingold Resources
405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Invoice No. 09A002

Order No. 95508

Attention: Ed Yarrow

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au						
	Units	PPB						
1	00167	30						
2	168	<5						
3	169	13						
4	170	<5						
5	171	<5						
6	172	<5	RECONN.					
7	173	<5						
8	174	<5						
9	175	<5						
10	201	7						
11	202	50						
12	203	13						
13	24836	20						

Registered Assayer, Province of B.C.

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COASTECH RESEARCH INC.

COASTECH ANALYTICAL SERVICES LABORATORY

Date: 12 Sep, 1989

TO: Mingold Resources
405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Invoice No. 09A005

Order No. 95508

Attention: Ed Yarrow

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au	Cu					
	Units	PPB	PPM					
1	32448	50	74	40- 50'				
2	49	57	76	50- 60'				
3	50	163	357	60- 70'				
4	51	327	290	70- 80'				
5	52	110	84	80- 90'				
6	53	243	103	90- 100'				
7	54	177	356	100- 110'				
8	55	1103	83	110- 120'				
9	32306	203	2294	91- 100'				
10	7	<5	538	100- 122'				
11	8	157	15	400- 410'				
12	9	<5	13	410- 420'				
13	10	<5	17	420- 430'				
14	11	<5	16	430- 440'				
15	12	<5	18	440- 450'				
16	13	353	22	450 454.5'				

Registered Assayer, Province of B.C

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COASTECH RESEARCH INC.

COASTECH ANALYTICAL SERVICES LABORATORY

TO: Mingold Resources
405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: 19 Sep, 1989

Invoice No. 09A013

Order No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au		Element	Au
	Units	PPB		Units	PPB
1	CGC04G-3 500 S	143	26	CGC04G-3 529 S	70
2	CGC04G-3 501 S	<5	27	CGC04G-3 531 S	77
3	CGC04G-3 502 S	40	28	CGC04G-3 532 S	20
4	CGC04G-3 503 S	37	29	CGC04G-3 535 S	150
5	CGC04G-3 504 S	<5	30	CGC04G-3 536 S	70
6	CGC04G-3 505 S	50	31	CGC04G-3 537 S	93
7	CGC04G-3 506 S	47	32	CGC04G-3 538 S	103
8	CGC04G-3 507 S	253	33	CGC04G-3 539 S	<5
9	CGC04G-3 508 S	140	34	CGC04G-3 540 S	27
10	CGC04G-3 509 S	53	35	CGC04G-3 541 S	60
11	CGC04G-3 510 S	50	36	CGC04G-3 542 S	30
12	CGC04G-3 511 S	53	37	CGC04G-3 543 S	203
13	CGC04G-3 512 S	53	38	CGC04G-3 544 S	53
14	CGC04G-3 513 S	<5	39	CGC04G-3 546 S	<5
15	CGC04G-3 514 S	<5	40	CGC04G-3 550 S	30
16	CGC04G-3 515 S	77	41	CGC04G-3 551 S	67
17	CGC04G-3 516 S	<5	42	CGC04G-3 552 S	43
18	CGC04G-3 517 S	<5	43	CGC04G-3 463 S	10
19	CGC04G-3 518 S	30	44	CGC04G-3 468 S	220
20	CGC04G-3 519 S	23	45	CGC04G-3 473 S	<5
21	CGC04G-3 520 S	<5	46	CGC04G-3 475 S	<5
22	CGC04G-3 522 S	23	47	CGC04G-3 476 S	<5
23	CGC04G-3 523 S	<5	48	CGC04G-3 477 S	30
24	CGC04G-3 524 S	10	49	CGC04G-3 478 S	103
25	CGC04G-3 528 S	20	50	CGC04G-3 479 S	<5

Registered Assayer, Province of B.C.

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COASTECH ANALYTICAL SERVICES LABORATORY

TO: Mingold Resources
405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: 19 Sep, 1989

Invoice No. 09A013

Order No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au		Element	Au
	Units	PPB		Units	PPB
51	CGC04G-3 480 S	60	76	CGC04G-3 589 S	93
52	CGC04G-3 481 S	30	77	CGC04G-3 590 S	183
53	CGC04G-3 482 S	40	78	CGC04G-3 591 S	273
54	CGC04G-3 483 S	313	79	CGC04G-3 597 S	170
55	CGC04G-3 484 S	23	80	CGC04G-3 598 S	356
56	CGC04G-3 485 S	183	81	CGC04G-3 599 S	20
57	CGC04G-3 486 S	73	82	CGC04G-3 600 S	113
58	CGC04G-3 487 S	<5	83	CGC04G-3 602 S	<5
59	CGC04G-3 488 S	<5	84	CGC04G-3 603 S	<5
60	CGC04G-3 489 S	37	85	CGC04G-3 604 S	30
61	CGC04G-3 490 S	13	86	CGC04G-3 605 S	227
62	CGC04G-3 491 S	10	87	CGC04G-3 606 S	<5
63	CGC04G-3 492 S	63	88	CGC04G-3 607 S	<5
64	CGC04G-3 553 S	30	89	CGC04G-3 608 S	20
65	CGC04G-3 578 S	<5	90	CGC04G-3 609 S	13
66	CGC04G-3 579 S	<5	91	CGC04G-3 610 S	147
67	CGC04G-3 580 S	33	92	CGC04G-3 611 S	60
68	CGC04G-3 581 S	<5	93	CGC04G-3 612 S	63
69	CGC04G-3 582 S	<5	94	CGC04G-3 613 S	46
70	CGC04G-3 583 S	23	95	CGC04G-3 614 S	17
71	CGC04G-3 584 S	27	96	CGC04G-3 615 S	20
72	CGC04G-3 585 S	<5	97	CGC04G-3 616 S	33
73	CGC04G-3 586 S	10	98	CGC04G-3 617 S	70
74	CGC04G-3 587 S	<5	99	CGC04G-3 618 S	50
75	CGC04G-3 588 S	333	100	CGC04G-3 619 S	90

Registered Assayer, Province of B.C.

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COASTECH RESEARCH INC.

COASTECH ANALYTICAL SERVICES LABORATORY

TO: Mingold Resources
405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Date: 19 Sep, 1989

Invoice No. 09A013
Page 3 of 3

Order No. 95508

Attention: Ed Yarrow

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Element	Au		Element	Au
	Units	PPB		Units	PPB
100	CGC04G-3 620 S	30			
101	CGC04G-3 621 S	90			
102	CGC04G-3 622 S	<5			
103	CGC04G-3 623 S	<5			
104	CGC04G-3 624 S	<5			
105	CGC04G-3 625 S	<5			
106	CGC04G-3 626 S	933			
107	CGC04G-3 627 S	110			

Registered Assayer, Province of B.C.

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COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: September 29, 1989

Invoice No. C09A031
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Au	Cu	Ag							
	g/MT	%	ppm							
TGC104G3112	1.050	0.09	1.66							
113	0.450	0.18	1.15							
148	0.670	0.00	trace							
150	<0.001	0.00	trace							
151	<0.001	0.01	trace							
152	0.095	0.03	trace							
153	1.225	1.58	4.46							
154	0.110	0.04	trace							
155	0.015	0.03	trace							
156	1.340	0.75	6.85							
157	12.646	1.67	24.90							
158	6.855	1.79	26.10							
159	1.290	0.97	8.19							
160	0.075	0.19	1.06							
161	2.850	0.80	16.70							
162	2.750	0.91	10.20							

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: September 29, 1989

Invoice No. C09A031
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Au	Cu	Ag							
	g/MT	%	ppm							
TGC104G3163	5.235	1.68	27.10							
164	0.630	0.63	3.13							
165	0.105	0.38	4.55							
166	0.025	0.02	trace							
167	<0.001	0.29	4.65							
168	0.555	0.05	trace							
169	0.107	0.02	trace							
170	0.260	0.03	trace							
171	0.240	0.03	trace							
174	0.373	0.08	0.37							
175	0.527	0.15	3.86							

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: September 29, 1989

Invoice No. C09A032
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Au
	g/MT
CGC10463467	0.095
469	0.040
470	0.133
471	0.060
472	0.045
493	0.040
494	0.040
495	0.045
496	0.070
497	0.035
498	0.053
499	0.085
526	0.045
527	0.075
530	0.080
534	0.075

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: September 29, 1989

Invoice No. C09A032
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Au									
	g/MT									
C6C10463535	0.070									
545	0.025									
547	0.075									
628	0.255									

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: October 3, 1989

Invoice No. C09A040
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

SAMPLE	Ag	As	Cu	Hg	Mo	Pb	Sb	W	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MG10463002r	0.60	20	483	<1	2	18	<5	<10	58
003r	1.00	30	287	<1	273	4	<5	<10	40
004r	2.00	45	486	<1	11	8	<5	<10	54
005r	1.40	15	277	<1	49	22	<5	<10	28
006r	0.80	5	97	<1	4	<2	<5	<10	32
007r	0.60	<5	1620	<1	10	96	<5	<10	126
014r	0.40	5	54	<1	<1	6	<5	<10	42
015r	0.20	25	93	<1	41	4	<5	<10	24
017r	1.20	<5	1550	<1	3	<2	<5	<10	102
018r	2.60	25	2320	<1	5	16	<5	<10	378
019r	0.20	30	417	<1	2	8	<5	<10	112
020r	0.60	10	1140	<1	1	2	<5	<10	132
023r	1.60	170	214	<1	8	24	<5	<10	64
024r	27.00	200	4720	<1	9	326	<5	<10	152
031r	<0.20	30	194	<1	1	<2	<5	<10	68
032r	<0.20	10	353	<1	4	12	<5	<10	88

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: October 3, 1989

Invoice No. C09A040
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

SAMPLE	Ag	As	Cu	Hg	Mo	Pb	Sb	W	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MG104G3036r	5.00	430	184	<1	22	714	15	<10	380
037r	<0.20	15	71	<1	1	4	5	<10	62
038r	87.80	40	289	<1	6	386	10	<10	790
039r	14.00	435	>10000	<1	26	392	5	<10	776
040r	0.40	50	499	<1	131	68	<5	<10	144
041r	<0.20	<5	1695	<1	6	8	5	<10	80
042r	0.60	<5	286	<1	5	38	<5	<10	74
045r	0.20	30	253	<1	445	40	10	<10	72
046r	1.00	25	252	<1	12	24	5	<10	86
047r	2.00	135	123	<1	95	94	5	<10	120
048r	1.20	25	197	<1	9	72	<5	<10	122
049r	1.80	<5	58	<1	20	10	<5	<10	26
050r	1.00	<5	861	<1	2	22	<5	<10	274
058r	2.40	<5	9750	<1	6	74	<5	<10	284
059r	2.00	15	2380	<1	41	210	<5	<10	236
060r	1.00	<5	4650	<1	38	2	5	<10	136

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: October 3, 1989

Invoice No. C09A040
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

SAMPLE	Ag ppm	As ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	W ppm	Zn ppm
MG104G3063r	2.80	<5	324	<1	63	24	<5	<10	44
064r	0.20	<5	73	<1	4	<2	<5	<10	14
TGC104G3000r ? OOIR ?	1.60	15	1250	<1	37	48	<5	<10	66
003r	1.60	<5	315	<1	313	24	<5	<10	30
004r	1.80	<5	3840	<1	63	6	<5	<10	98
005r	7.20	15	5680	<1	76	156	<5	<10	232
010r	0.60	50	94	<1	11	34	<5	<10	26
011r	<0.20	<5	48	<1	21	16	<5	<10	12
020r	4.80	65	111	<1	2	226	<5	<10	538
022r	1.60	40	384	<1	42	28	5	<10	74
028r	<0.20	<5	39	<1	5	6	<5	<10	46
029r	<0.20	<5	37	<1	9	6	<5	<10	34
034r	<0.20	<5	241	<1	2	<2	5	<10	54
039r	0.60	15	306	<1	4	2	5	<10	106
042r	9.00	<5	>10000	<1	7	42	<5	<10	216
CGC104G3079r	2.00	95	378	<1	1	22	<5	<10	96

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: October 3, 1989

Invoice No. C09A040
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

SAMPLE	Ag	As	Cu	Hg	Mo	Pb	Sb	W	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
C6C10463080r	0.40	<5	70	<1	4	14	<5	<10	72
081r	0.20	20	394	<1	22	80	15	<10	126
083r	<0.20	<5	178	<1	3	8	<5	<10	82
084r	<0.20	<5	7	<1	4	<2	<5	<10	8
089r	0.60	5	6530	<1	3	2	<5	<10	124
097r	1.00	5	274	<1	17	4	<5	<10	32

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: October 3, 1989

Invoice No. C09A039
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

SAMPLE	Ag ppm	As ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	W ppm	Zn ppm
MG104G3099x	0.80	<5	145	<1	5	36	5	<10	68
100x	0.60	15	160	<1	3	48	<5	<10	70
101x	1.60	70	188	<1	15	218	5	<10	150
105x	1.40	35	2010	<1	129	20	<5	<10	156
106x ∈ soils	0.40	40	126	<1	2	56	<5	<10	98
107x	0.20	35	76	<1	4	30	<5	<10	78
108x	0.40	25	196	<1	9	34	<5	<10	178
109x	0.60	<5	69	<1	3	28	<5	<10	34
110x	1.00	10	17	<1	<1	22	<5	<10	22
111x	0.80	50	48	<1	5	36	5	<10	60
112x	0.60	15	41	<1	2	40	<5	<10	34
113x	0.40	15	30	<1	3	24	<5	<10	42
114x	0.20	20	210	<1	14	66	5	<10	134
115x	0.40	10	53	<1	1	14	<5	<10	62
116x	0.20	25	107	<1	14	76	5	<10	140
117x	<0.20	40	63	<1	15	64	<5	<10	180

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: October 3, 1989

Invoice No. C09A039
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

SAMPLE	Ag	As	Cu	Hg	Mo	Pb	Sb	W	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
M610463118x	0.20	45	92	<1	12	28	<5	<10	132
119x	0.60	30	147	<1	22	54	<5	<10	118
120x	0.20	5	65	<1	11	56	<5	<10	48

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: October 2, 1989

Invoice No. C09A038
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

SAMPLE	Ag	As	Cu	Hg	Mo	Pb	Sb	W	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
NO. 00151 MG	<0.20	5	56	<1	<1	4	<5	<10	50
00152 MG	1.40	235	746	<1	3	36	<5	<10	110
00153 MG	0.60	25	1000	<1	<1	10	<5	20	92
00154 MG	2.40	25	489	<1	<1	8	<5	<10	54
NO. 00155 MG	0.60	10	87	<1	<1	2	<5	<10	62
00156 MG RECONN.	<0.20	275	27	<1	<1	14	5	10	410
00157 MG	0.80	125	148	<1	7	22	5	<10	266
00226 MG	7.00	450	22	<1	5	686	<5	<10	378
00227 MG	0.40	45	18	<1	1	16	5	<10	86
C6C104G3397s	2.60	25	48	<1	7	36	<5	<10	76
398s	1.20	5	13	<1	4	26	<5	<10	26
399s	1.20	20	13	<1	4	16	<5	<10	36
C6C104G3400s	1.00	5	7	<1	1	12	<5	<10	28
401s	0.80	15	9	<1	2	8	<5	<10	20
402s	0.20	5	9	<1	2	12	<5	<10	24
403s	1.20	20	9	<1	2	10	<5	<10	38

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: October 2, 1989

Invoice No. C09A038
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

SAMPLE	Ag ppm	As ppm	Cu ppm	Hg ppm	Mo ppm	Pb ppm	Sb ppm	W ppm	Zn ppm
CGC10463404s	0.80	30	383	<1	15	122	<5	<10	138
405s	0.40	35	271	<1	6	42	<5	<10	186
406s	<0.20	20	111	<1	8	36	<5	<10	94
407s	0.40	25	16	<1	3	4	<5	<10	28
408s	0.60	15	29	<1	3	16	<5	<10	50
409s	0.40	15	10	<1	3	10	<5	<10	18
410s	0.40	<5	38	<1	4	18	<5	<10	52
411s	1.00	<5	25	<1	4	12	<5	<10	34
412s	0.60	25	36	<1	4	20	5	<10	46
413s	0.20	20	16	<1	2	8	<5	<10	26
414s	1.00	5	36	<1	3	24	<5	<10	46
415s	1.20	30	69	<1	3	18	<5	<10	56
416s	0.60	10	40	<1	1	8	5	<10	40
417s	0.80	5	53	<1	3	22	<5	<10	48
418s	0.80	5	14	<1	1	12	<5	<10	20
420s	0.80	20	22	<1	2	10	<5	<10	30

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: October 2, 1989

Invoice No. C09A03B
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

SAMPLE	Ag	As	Cu	Hg	Mo	Pb	Sb	W	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
C6C10463421s	0.60	25	20	<1	2	14	<5	<10	36
422s	0.60	30	27	<1	5	14	<5	<10	40
423s	0.80	<5	11	<1	2	2	<5	<10	30
424s	0.40	10	61	<1	7	46	<5	<10	72
425s	0.80	20	25	<1	5	18	<5	<10	36
426s	1.00	15	24	<1	5	<2	<5	<10	40
427s	0.40	40	61	<1	19	26	<5	<10	64
428s	1.40	30	32	<1	6	8	<5	<10	38
429s	1.20	25	22	<1	5	10	<5	<10	32
430s	2.40	30	27	<1	1	16	<5	<10	68
431s	0.60	5	218	<1	8	18	<5	<10	124
432s	1.00	<5	77	<1	14	14	<5	<10	52
433x	0.20	<5	226	<1	5	14	<5	<10	162
434s	0.40	20	154	<1	2	20	<5	<10	136
435s	0.60	25	233	<1	5	34	<5	<10	174
436s	0.20	25	229	<1	5	28	<5	<10	170

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: October 2, 1989

Invoice No. C09A038
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

SAMPLE	Ag	As	Cu	Hg	Mo	Pb	Sb	W	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CGC10463437s	0.60	35	149	<1	6	40	5	<10	146
438s	0.60	20	163	<1	1	12	<5	<10	124
439s	0.20	30	152	<1	5	34	5	<10	140
441s	0.40	30	97	<1	3	16	5	<10	96
442s	0.60	<5	231	<1	6	26	<5	<10	156
443s	0.80	15	117	<1	9	32	<5	<10	130
444s	0.60	30	294	<1	10	34	<5	<10	182
445s	0.40	<5	108	<1	5	36	<5	<10	132
446s	<0.20	5	261	<1	12	28	5	<10	250
447s	0.40	10	137	<1	6	12	<5	<10	122
448s	1.40	<5	149	<1	5	16	<5	<10	88
449s	0.80	10	60	<1	10	8	<5	<10	38
450s	1.20	<5	11	<1	2	6	<5	<10	20
451s	0.80	30	19	<1	1	36	<5	<10	76
452s	0.40	<5	3	<1	1	10	<5	<10	18
453s	1.20	5	6	<1	1	6	<5	<10	18

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: October 2, 1989

Invoice No. C09A038
Order No. 95508
Project No. 9550B

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

SAMPLE	Ag	As	Cu	Hg	Mo	Pb	Sb	W	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
C6C10463454s	1.40	25	27	<1	2	20	<5	<10	48
455s	1.40	10	20	<1	3	10	<5	<10	30
457s	2.40	15	17	<1	3	8	<5	<10	36
458s	0.60	<5	5	<1	1	8	<5	<10	22
459s	0.60	<5	4	<1	1	28	<5	<10	20

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: October 2, 1989

Invoice No. C09A032
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Au									
	ppb									
C6C10463467	95									
469	40									
470	133									
471	60									
472	45									
493	40									
494	40									
495	45									
496	70									
497	35									
498	53									
499	85									
526	35									
527	75									
530	80									
534	75									

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: October 2, 1989

Invoice No. C09A032
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Au									
	ppb									
C6C10463535	70									
545	25									
547	75									
628	255									

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: October 2, 1989

Invoice No. C09A035
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Au									
	g/MT									
T6C10463176	0.825									
177	2.490									
178	1.045									
179	0.845									
180	0.035									
181	0.295									
182	0.270									
183	1.110									
184	4.885									
185	0.925									
186	1.210									
187	2.075									
188	1.930									
189	0.200									
190	0.015									
191	0.085									

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: October 2, 1989

Invoice No. C09A035
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Au									
	g/MT									
TGC10463192	0.220									
193	0.055									
194	0.070									
195	0.130									
196	0.140									
197	0.690									
198	1.950									
199	11.301	56.50								
200	10.366	51.83								
201	19.401	97.00								
202	6.600	33								
203	15.871	79.36								
204	4.585	22.92								
205	3.555	17.78								
206	4.940	24.7								
207	9.721	48.61								

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: October 2, 1989

Invoice No. C09A035
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Au									
	g/MT									
T6C10463208	2.480									
209	9.621									
211	2.990									
212	5.015									
213	15.761									
214	3.975									
215	5.960									
217	13.786									
210 ~~220~~	2.750									

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: October 2, 1989

Invoice No. C09A037
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Au									
	ppb									
T6C10463147	<5									
149	<5									

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: October 2, 1989

Invoice No. C09A034
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Au
	ppb
C6C10463343	40
344	<5
460	<5
461	10
462	25
464	<5
465	7
466	<5
525	73
548	<5
549	10
558	445
559	<5
629	260
630	<5
631	27

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
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Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: October 2, 1989

Invoice No. C09A034
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Au									
	ppb									
C6C10463632	<5									
633	<5									
634	<5									
635	<5									
636	<5									
637	<5									
638	<5									
639	60									
640	<5									
641	1353									
642	55									
643	110									
644	145									
645	105									
MGC104G3121	30									
122	25									

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: October 2, 1989

Invoice No. C09A034
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Au									
	ppb									
M6C104G3123	<5									
124	50									
125	20									
126	10									
127	<5									
128	20									
129	40									
130	70									
131	205									
132	125									
133	35									
134	<5									
135	65									
136	20									
137	55									
138	80									

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

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Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: October 2, 1989

Invoice No. C09A034
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Au									
	ppb									
MGC10463139	120									
140	35									
141	210									
142	105									
143	65									
144	5									
145	70									
146	35									
147	20									
148	55									
149	<5									
150	20									
151	130									
152	105									
153	55									
154	70									

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: October 2, 1989

Invoice No. C09A034
Order No. 95508
Project No. 95508

CERTIFICATE OF ASSAY

I HEREBY CERTIFY the following results of assays.

	Au									
	ppb									
MGC10463155	220									
156	140									
157	35									
158	120									
159	<5									
160	15									
161	50									
162	205									
163	405									
164	280									
165	280									
166	165									
167	195									
168	<5									
170	5									
171	<5									

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: October 2, 1989

Invoice No. C09A034
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Au									
	ppb									
MGC10463155	220									
156	140									
157	35									
158	120									
159	<5									
160	15									
161	50									
162	205									
163	405									
164	280									
165	280									
166	165									
167	195									
168	<5									
170	5									
171	<5									

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Date: October 2, 1989

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Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Au
	ppb
MGC10463188	105
189	<5
? 201	<5
C GC10463646	80
647	145
648	570
649	160
650	90
651	330
652	270
653	113
654	200
655	200
656	65
657	155
658	45

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Date: October 2, 1989

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Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Au								
	ppb								
M6C10463659	310								
661	250								
662	220								
663	60								
664	160								
665	<5								
666	10								
667	<5								
668	95								
669	<5								
670	20								
671	<5								
672	<5								
673	5								
674	175								
675	20								

Registered Assayer, Province of British Columbia

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Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: October 2, 1989

Invoice No. C09A034
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Au
	ppb
MGC10463676	<5
677	30
678	<5
679	*
680	25
681	1030
682	<5
683	10
684	25
685	55
686	<5
687	5
688	40
689	65
690	45
691	85

* Assay to follow

Registered Assayer, Province of British Columbia

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: October 2, 1989

Invoice No. C09A034
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

	Au									
	ppb									
MGC10463692	40									
693	30									
694	20									
695	60									
696	300									
697	400									
698	<5									
699	<5									
700	33									

Registered Assayer, Province of British Columbia

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: OCT 30 1989
DATE REPORT MAILED: Nov. 3/89.

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 30 GM SAMPLE.

SIGNED BY. C. Leong. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Mingold Resources Inc. PROJECT GALORE CR. FILE # 89-4542

SAMPLE#	Cu PPM	Ag PPM	Fe %	Au* PPB	
C 89722	961	1.8	8.99	190	
C 89723	2754	3.2	13.05	360	
C 89724	3933	4.6	15.23	490	
C 89725	4137	4.6	13.84	1480	.043
C 89726	7942	9.0	13.10	3140	.092
C 89727	6626	5.5	8.21	2020	.059
C 89728	4298	2.8	8.06	670	.020
C 89729	22875	12.8	12.75	4550	.134
C 89730	12162	8.8	8.23	2460	.071
C 89731	17826	11.6	8.96	4660	.137
C 89732	41516	18.1	9.97	830	
C 89733	10370	6.7	8.97	7990	.24
C 89734	35538	20.3	7.59	6640	.195
C 89735	9612	3.7	6.59	340	
STD C/AU-R	59	7.1	4.16	515	

ASSAY RECOMMENDED for Cu > 1%

262-295

34

COASTECH RESEARCH INC.

DATE: November 16, 1989
TO: Ken Taylor, MINGOLD RESOURCES
FROM: Jack Stanley, COASTECH RESEARCH

RE: Missing Assay Status

To follow, please find more assays from your list.

Sample Number	Status
C050S	125 ppb Au
C145S	<5 ppb Au
C146S	<5 ppb Au
C521S	Not sufficient sample for Au
C554S	50 ppb Au
C555S	75 ppb Au
C556S	340 ppb Au
C557S	45 ppb Au
C560S	135 ppb Au
C561S	50 ppb Au
C562S	105 ppb Au
C563S	105 ppb Au
C564S	80 ppb Au
C565S	130 ppb Au
C566S	525 ppb Au
C567S	435 ppb Au
C568S	160 ppb Au
C570S	315 ppb Au
C571S	110 ppb Au
T032X	75 ppb Au
T095S	1375 ppm Cu
T133R	2.26 % Cu
T134R	2.70 % Cu
T135R	0.15 % Cu
T136R	0.15 % Cu
T137R	0.26 % Cu
T138R	2.57 % Cu
T139R	2.79 % Cu
T143R	1.39 % Cu

COASTECH ANALYTICAL SERVICES LABORATORY

To: MINGOLD RESOURCES INC.
Suite 405 - 470 Granville Street
Vancouver, BC
V6C 1V5

Attention: Ed Yarrow

Date: November 14, 1989

Invoice No. C11A037
Order No. 95508
Project No. 95508

C E R T I F I C A T E O F A S S A Y

I HEREBY CERTIFY the following results of assays.

SAMPLE	Au	Ag	As	Cu	Hg	Mo	Pb	Sb	W	Zn
	g/MT	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
801	0.090	1.78	<5	6424	<1	<1	<2	<5	<10	92
802	0.113	<0.20	<5	2817	<1	<1	8	<5	<10	104
803	0.083									
804	1.068									
805	1.618									
806	3.920									
807	0.225									

Composite

Registered Assayer, Province of British Columbia

APPENDIX IV

ROCK SAMPLE DESCRIPTIONS

MINGOLD RESOURCES INC.

GEOCHEMICAL DATA SHEET – ROCK SAMPLING

Sampler: K. TAYLOR
Date: JULY - SEPT. '89
Project: GALORE CREEK
Property: " "
NTS: 104 G/3 & 4
Location Ref:
Air Photo No.:

SAMPLE No.	LOCATION	SAMPLE TYPE	SAMPLE WIDTH	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS				
				Rock Type	Alteration	Mineralization		Ag	Au			
T001R	Steep Ck.	Float	Random chip	Green And.	Epid.	1-3% py						
T003R	" "	0/c	" "	Metavolc.	Kspar, epid, mag	3-20% py, tr. mal	Strong Fe staining					
T004R	" "	0/c (10m×10m)	" "	Solid po-py	10-15% mag	75-80% po, 10-15% py	Solid sulph. pod.					
T005R	" "	0/c	" "	Metavolc.	Kspar, epid, calc.	Tr-2% cpy	Calcite veinlets, qz hairlines					
T010R	Ken Ck.	0/c (10m×10m)	" "	Bleached and.	Ser. ?	5-10% py	2 m. wide zone					
T011R	John Ck.	0/c	1m. cont. chip	" "	Ser-qz ?	3-15% py	Local shearing (5-10m)					
T020R	Saddle Ck. Trib.	0/c (1.5m×3m)	Random chip	Mottled and.	15-20% epid.	3-5% py, tr. cp	Fe stained					
T022R	" " "	Small 0/c	" "	Green and.	Wk. carb.	20-30% py, tr ga-cpy	Contact w. epid. syen. dyke					
T028R	Junction Ck.	Float (30cm×60cm)	" "	Green and/qz. vein	Mod-strong epid.	No visible	8" wide qz. vein					
T029R	" "	0/c	" "	Felsic dyke	Strong sid-qz, Kspar	Tr-3% hem, tr. ga	5' wide dyke w. qz. gashes					
T034R	" "	0/c	" "	Altered dyke	Strong sid-qz	1-5% hem, tr-1 py, tr-1 cpy	75-80' wide zone w. dykes					
T039R	" "	0/c.	" "	Dk. Feld. Porph.	V. Strong weathering	Tr-3% py, tr-2% cpy	Very friable					
T042R	" "	Talus below 0/c	" "	" " "	—	5-15% py, 5-30% cpy, tr-1 mal.	High grade in rusty & fresh rock.					
T051R	Above Butte Zone	Sub 0/c	" "	Altered and. bx	Strong sid-qz, meshwork qz.	Tr. hem.	30' thick sid-qz zone.					
T052R	" " "	0/c	" "	" " "	"	Tr-2% py, tr-1 hem.	Strongly jointed.					
T053R	Butte Zone	0/c	" "	Alt'd syenite	Strong sid-qz.	Strong mal, 1-3% py, tr-1 cpy	Just below thrust? fault					
T060R	West Fork Glacier	Float on glacier	" "	Qz. veined and.	Strong epid, K-spar, qz.	No visible	Probably from cliffs above.					
T061R	Skarn Ck.	0/c	" "	Skarnified and.	Pseudoleucite, garnet, qz.	Tr-1% py	Large pseudoleucite xls.					
T063R	" "	Float	" "	Alt'd volc.	Strong ser.	Tr-2% py, tr cpy	30" × 18" × 6" slab.					
T064R	" "	"	Select grab	Solid py seam	—	100% py	Same host as T063R					
T133R	North Rim Trench	Channel (NRT-2)	0-1.5m.	Epid. syen. porph	Epid, Kspar	2-5% cpy, tr. bo, 5-7% mag.	Partly same as Y010R					

MINGOLD RESOURCES INC.

GEOCHEMICAL DATA SHEET – ROCK SAMPLING

Sampler: K. TAYLOR
Date: JULY-SEPT. '89
Project: GALORE CREEK
Property: " "
NTS: 104G/3
Location Ref:
Air Photo No.:

SAMPLE No.	LOCATION	SAMPLE TYPE	SAMPLE WIDTH	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS				
				Rock Type	Alteration	Mineralization		Ag	Au			
T134R	North Rim Trench	Channel (NRT-2)	1.5-2.7m.	Epid. syen. porph	Same as T133R	Same as T133R						
T135R	" " "	" "	2.7-3.6m.	" " "	" " "	M. mal.	Sample ends @ dyke.					
T136R	" " "	" "	3.6-5.4m.	Green and. dyke	—	M. mal, tr. cpy, tr. py	Sharp contacts.					
T137R	" " "	" "	5.4-6.1m	Syen. porph.	Strong chl.-Kspar	Mod. mal, tr-1% cpy, no py	End of trench NRT-2					
T138R	" " "	" (NRT-1)	0-1.5m.	Epid. syen. porph	Epid, Kspar	2-5% cpy, tr. bo, 5-7% mag	Continuation from T133R					
T139R	" " "	" "	1.5-3.0m.	"	"	"	Last 15cm near solid cpy above channel line					
T140R	Steep Ck.	Cont. chip %	1.2m.	Alt'd volc.	Strong Fe	>15% py, tr-2% po	Very strong Fe staining					
T141R	" "	" " "	0.8m.	Augite porph.	—	5-10% py						
T142R	" "	o/c	Random chip	Meta and.	Epid., Kspar	Tr cpy, 3-5% mag, tr-1% py, M. mal	Strongly jointed					
T143R	North Rim Trench	Channel (NRT-1)	3.0-4.3m.	Epid. syen. porph.	Epid, Kspar	1-2% cpy	Spotty Cu mineral?					
T144R	" " "	" "	5.0-6.6m.	Alt'd Volc.	Strong sid-qz	No visible	Overlying volc. rocks					
T145R	" " "	" "	6.6-8.2m	" "	" " "	" "	End of sampling NRT-1					
T146R	" " "	" (NRT-5)	0-1.5m.	Syen. porph.	Strong chl-Kspar	Tr cpy, tr-1 hem.	Entire trench sampled.					
T148R	Junction Ck. Trib.	o/c	Random chip	Dk. syen. porph	Wk epid., wk chl., Mod. K-spar	Tr-2% py	Just above T031X					
T150R	" " "	o/c	" "	Green and. dyke	—	Tr-1% py, fair mag						
T151R	" " "	o/c	" "	Maroon syen. porph.	Hem.	Tr-1% py						
T152R	" " "	o/c	" "	" " "	wk Kspar-epid	No visible	Orthoclase phenos 1cm×3cm.					
T153R	" " "	o/c	" "	Epid. syen. porph	Mod Kspar-epid	1-3% cpy, tr-1% bo	Local pods near solid cpy-bo					
T154R	" " "	o/c	" "	" " "	Wk " "	M. mal						
T155R	" " "	o/c	" "	" " "	" " "	No visible	V. broken to shattered					
T156R	DDH 128 Trench	Channel (128T-2)	0-1.5m.	" " "	" " "	1-3% cpy	Mod-strong sid. alt'n					

MINGOLD RESOURCES INC.

GEOCHEMICAL DATA SHEET – ROCK SAMPLING

Sampler K. TAYLOR
Date JULY - SEPT. '89

Project GALORE CREEK
Property " "

NTS 104 G/3
Location Ref
Air Photo No.

SAMPLE No.	LOCATION	SAMPLE TYPE	SAMPLE WIDTH	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS				
				Rock Type	Alteration	Mineralization		Ag	Au			
T157R	DDH 128 Trench	Channel (128T-2)	1.5-3.0m	Epid. sycn. porph	Wk. Kspar-epid.	2-4% cpy						
T158R	" " "	" "	3.0-4.6m	" " "	" " "	1-3% cpy						
T159R	" " "	" "	4.6-6.1m	" " "	" " "	2-3% cpy						
T160R	" " "	" "	6.1-7.6m	" " "	" " "	Tr-2% cpy	Cpy decreasing toward end of interval					
T161R	" " "	" (128T-1)	0-1.5m	" " "	" " "	5-7% cpy						
T162R	" " "	" "	1.5-3.0m	" " "	" " "	1-2% cpy						
T163R	" " "	" "	3.0-4.6m	" " "	" " "	2-3% cpy						
T164R	" " "	" "	4.6-6.1m	" " "	" " "	Tr-1% cpy						
T165R	" " "	" "	6.1-7.6m	" " "	" " "	" "						
T166R	" " "	" "	7.6-10.2m	" " "	" " "	No visible	End of sample at lamprophyre dyke					
T167R	" " "	" (128T-3)	0-1.1m.	" " "	" " "	" "						
T168R	" " "	" "	1.1-2.6m	" " "	Mod-strong sid.	Tr. cpy, mal						
T169R	" " "	" "	2.6-4.1m	" " "	Mod. sid.	No visible						
T170R	" " "	" "	4.1-5.3m	" " "	" "	" "						
T171R	" " "	" "	5.3-6.6m	" " "	Strong sid.	" "						
T172R	" " "	" "	7.3-8.8m	" " "	Wk. sid.	Tr. cpy, mal						
T173R	" " "	" "	8.8-10.4m	" " "	" "	Tr. cpy	Tr-1% cpy end of interval.					
T174R	" " "	" "	10.4-11.9m	" " "	" "	No visible						
T175R	" " "	" "	11.9-13.4m	" " "	" "	Tr. cpy						
T176R	" " "	" "	13.4-14.9m	" " "	" "	Tr.-1 cpy						
T177R	" " "	" "	14.9-16.5m	Alt'd syenite?	Strong sid.	1-2% cpy	3-5% cpy at contact					

MINGOLD RESOURCES INC.

GEOCHEMICAL DATA SHEET – ROCK SAMPLING

Sampler: K. TAYLOR
Date: JULY - SEPT '89
Project: GALORE CREEK
Property: " "
NTS: 104G/3
Location Ref:
Air Photo No.:

SAMPLE No.	LOCATION	SAMPLE TYPE	SAMPLE WIDTH	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS				
				Rock Type	Alteration	Mineralization		Ag	Au			
T178R	DDH 128 Trench	Channel (128T-3)	16.5-18.0m	Alt'd syenite?	Strong sid.	2-3% cpy	Strong oxidation					
T179R	" " "	" "	18.0-19.5	" "	" "	1-2% cpy	Up to 3-5% cpy locally.					
T180R	" " "	" (128T-5)	0-1.5m	Syen. porph.	Strong Kspar	No visible						
T181R	" " "	" "	1.5-3.0m	Alt'd volc.	Intense sid ± gz	2-5% cpy						
T182R	" " "	" "	3.0-4.6m	" "	" " "	Tr-1% cpy						
T183R	" " "	Chip every 46cm	8.2 m.	Epid. syen porph	Wk. epid-Kspar	Tr-2% cpy						
T184R	" " "	Bulk sample of 128T-2		" " "	" " "	2-4% cpy						
T185R	" " "	Channel (128T-4)	0-1.5m	Alt'd volc?	Intense sid.	Tr. cpy						
T186R	" " "	" "	1.5-3.0m	" "	" "	1-2% cpy						
T187R	" " "	" "	3.0-4.6m	" "	Garnet-mag	Tr-2% cpy						
T188R	" " "	" "	4.6-6.1	" "	" "	Tr-1% cpy						
T189R	North Rim Area	o/c	Random chip	Alt'd syenite	Mag-chl.	Tr. cpy	75% mag, 20% chl.					
T190R	" " "	o/c	Grab	Alt'd volc?	" "	No visible	25% mag, 75% chl.					
T191R	" " "	o/c	Random chip	Alt'd syen.	Strong Kspar	Tr-5% cpy	Bedrock in small pit					
T192R	" " "	o/c to sub o/c	" "	" "	Mod "	Tr-3% cpy						
T193R	Steep Ck.	Bulk sample	M005R o/c	Metavolc ?	Strong chl-epid.	>15% py, tr-2% po						
T194R	" "	o/c	Random chip	Alt'd and.	Bleached. Strong epid.	20-30% po-py, tr-5 mag						
T195R	Saddle Zone Trench	Channel (ST-2)	16.8-18.3m.	Alt'd syenite	Mod epid-Kspar	3-10% mag No visible sulphs.	Mag healed syenite bx.					
T196R	" " "	" "	18.3-19.8m	" "	" " -gar?	15-20% mag, tr. mal	" " " "					
T197R	" " "	" "	19.8-21.3m	" "	Mod-strong epid ± gar	20-30% mag, m. mal.	" " " "					
T198R	" " "	" "	21.3-22.9m	" "	" " " "	20-30% mag tr-1 cpy, mal.	" " " "					

MINGOLD RESOURCES INC.

GEOCHEMICAL DATA SHEET – ROCK SAMPLING

Sampler: K. TAYLOR
Date: JULY - SEPT
Project: GALORE CREEK
Property:
NTS: 104G/3
Location Ref:
Air Photo No.:

SAMPLE No.	LOCATION	SAMPLE TYPE	SAMPLE WIDTH	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS	
				Rock Type	Alteration	Mineralization		Ag	Au
T199R	Saddle Zone Trench	Channel (ST-2)	22.9-24.4m	Alt'd syen.	Strong epid.	20-30% mag, 1-5% cpy, 1-2% sphal.	Partial overlap with Y015R		
T200R	" " "	" "	24.4-25.9m	" "	" "	" "	Partial overlap with Y015, 016R		
T201R	" " "	" "	25.9-27.4m	" "	" "	15-20% mag tr. cpy, m. mal	" " " Y016R		
T202R	" " "	" "	27.4-29.0m	" "	" "	" "			
T203R	" " "	" "	29.0-30.5m	" "	" "	20% mag, tr. cpy, m. mal			
T204R	" " "	" "	30.5-32.0m	" "	" "	20-25% mag tr-2% cpy, tr-1 mal			
T205R	" " "	" "	32.0-33.5m	" "	" "	15-20% mag, tr. cpy, m. mal			
T206R	" " "	" "	33.5m-35.1m	" "	" "	15-20% mag, tr-1% cpy, m. mal.			
T207R	" " "	" "	35.1-36.6m	" "	" "	3-5% mag, tr-1% cpy, mal			
T208R	" " "	" "	36.6-38.1m	" "	" "	10-15% mag, tr-2% cpy, mal			
T209R	" " "	" "	38.1-39.6m	" "	" "	" "			
T210R	" " "	" "	39.6-41.1m	" "	" "	" "			
T211R	" " "	" "	41.1-42.7m	" "	" "	" "			
T212R	" " "	" "	42.7-44.2m	" "	" "	20-25% mag, 1-2% cpy, tr-1 mal.			
T213R	" " "	" "	44.2m-45.7m.	" "	" "	" "			
T214R	" " "	" "	45.7-47.2m.	" "	" "	15-20% mag, 1-2 cpy, tr-1 mal.			
T215R	" " "	" "	47.2-48.6m	" "	" "	15-20% mag, tr-1 cpy, mal.	End of trench sampling		
T216R	" " "	Bulk sample of ST-2		" "	" "	" "	Mix of high grade		
T217R	" " "	" "	" NRT-1,2	Epid. syen. porph	Epid, Kspar	3-5% cpy.	" " " "		

MINGOLD RESOURCES INC.

GEOCHEMICAL DATA SHEET – ROCK SAMPLING

Sampler JOHN MIRKO
Date AUGUST 6, 1991

Project 104 G/3 + 4
Property GALORE CREEK
LIARD M.D.

NTS 104 G/3 + 4
Location Ref LAT 57° 07½ LONG. 131° 27' W
Air Photo No.

SAMPLE No.	LOCATION	SAMPLE TYPE	SAMPLE WIDTH	DESCRIPTION			ADDITIONAL OBSERVATIONS	oz/ppb ASSAYS				
				Rock Type	Alteration	Mineralization		Ag	Au			
M.G.104G 3-001-12	UPPER STEEP CR. NORTH RIM	R-FLOAT	CRAB	RHYOLITE	SILIC.	< 1% Py	GREY					
002	"	O/C	"	SYENITE	BLEACHED	< 2% Py > 5% MAG	WHITE-GREY					
003	"	3M RANDOM O/C	3M	ANDESITE	CLAY, EP. OXIDIZED	> 5% Py	DK. GREEN					
004	"	RANDOM O/C	10M	PORPH. SYEN.	"	> 5% Py < 10% MAG	RUSTY					
005	"	3M O/C RANDOM CH.	2M	"	" HEAVY	> 15% Py < 2% PYR	RUSTY (30M E. OF SUPA. FLT)		0.11			
006	"	HEAVY O/C RANDOM CH.	2M	PORPH.	SILIC.	> 1% Py QTZ	GREY SILIC. MINOR RUST CHERTY		0.07			
007	"	O/C RANDOM CH.	1M	"	"	"	" + MAL					
104G/4 014	ABOVE 013 X JUNCTION (ANDR)	O/C "	1M	PORPH. SYEN.	QTZ. EP	< 30% Py	SHEARED, RUSTY					
015	"		0.5M	"	"	"	"					
104G/3 017	TOP OF SADDLE JUNCTION (W)	FLOAT	CRAB	PORPH. ANDES.	"	> 4% Py < 1% MAG	BLOCKY, SILIC, BLUE GREY, ORANGE RUST					
018	E. OF SADDLE ZONE	O/C RANDOM CH.	30M	PORPH. SYEN.	PINK FELDSPR.	QTZ, < 1% Py	WALL ROCK (DEAD) TO SADDLE ZONE					
019	1' WIDE "	"	3.0M	SILICIFIED PORPH. ANDES.	SILIC. QTZ. FIN.	< 1% Py + PY	GREY MOTTLED DOG ROCK SPEAKS MAL					
020	200M E. OF 019	"	100M	"	"	"	"					
023	CAMP LIP, GULLY	FLOAT	CRAB	"	QTZ VEINLETS	> 10% Py	RUSTY, SILICEOUS					
024	"	"	6" QTZ VN	"	"	"	"					
104G/4 025	DRIFT CR. (AK-S) BOTTOM	"	"	QTZ VN.	"	—	WHITE, VUGGY.					
026	"	O/C RANDOM	1M	PORPH. SYEN. (ANDES)	SILIC.	QTZ > 5% Py.	6M SHEAR ZONE RUSTY, BLEACHED.					
104G/3 032	STEEP CR. BOTTOM	FLOAT	CRAB	PORPH. SYENITE	SILIC.	> 3% Py	RUSTY ORANGE FROM OUTCROP					
033	TOP OF SLIDE	"	"	VOLC.	" + QTZ	> 10% Py	RUSTY ORANGE FROM W. CLIFFS		1390			
036	"	"	"	"	"	"	"					
038	"	O/C R.GR.	"10M	"	FINE GR. SILIC. Va.	"	"					

MINGOLD RESOURCES INC.

GEOCHEMICAL DATA SHEET – ROCK SAMPLING

Sampler JOHN MIRLO
Date AUG. / 89

Project
Property GALORE CR.

NTS 104G/3+4
Location Ref LAT 57°07'N LONG 131°27'W
Air Photo No.

SAMPLE No.	LOCATION	SAMPLE TYPE	SAMPLE WIDTH	DESCRIPTION			ADDITIONAL OBSERVATIONS	oz/ton ASSAYS				
				Rock Type	Alteration	Mineralization		Ag	Au			
M-10463 037	50M BELOW + N.E. OF 038	FLOAT	2M GRAB	VOLC.	RUSTY SILIC.	Py						
039	UPPER PT. OF S110 ZONE	SUB CROP	3 M	"	"	"	@ SNOW, NO MAL.					
040	BELOW CLIFFS # 039	RANDOM SUB CROP	50 M	"	"	"	"					
041	200 M DNSTM 040, W. SIDE CR.	"	"	"	"	"	"					
047	W. SIDE S110 CR.	" FLOAT	200M	"	" FRIABLE	5-10% Py	RUSTY, TALUS, "					
045	400 M. W. OF MOUTH OF S.110	CHIP	3"	"	10" SHEAR	QTZ. 30% Py						
046	200M E. OF OUTFLOW OF W.F. GLACIER	RANDOM CHIP	+-6M	"	RUSTY QTZ. Py.	3% Py	SHEAR ZONES + WALL RK.					
047	200 M. W. OF W.F. GLACIER TOE	FLOAT	GRAB	"	SILIC. "	10% Py	BLOOD RED RUSTY QTZ. RICH.					
047	"	"	"	"	BX. MAG. SILIC.	5% Py						
049	CAT TRAIL ABOVE S.W. ZONE	"	"	"	SERIC. BLEACH	50% QTZ. 10% Py	RUSTY					
050	100M BELOW S. END UPPER AIR STRIP	RAND. CHIP	4 M	PORPHYRITIC SYENITE	EPI, BLEACHED	5% MAG.	BX.					
058	J.M. CR., S SIDE @ 3000 FT.	"	"	"	FRIABLE	5% MAL.	GREY					
059	"	CHIP	2M	"	"	5% Py	NIL CU. RUSTY ORAN.					
060	CLIFF ABOVE JUNC. N.M. + DUCK CR	"	"	"	"	5% MAG, 3% Py	SOME AZURITE					
063	DENDRITIC R. 350 M E. OF G2K	"	"	"	", QTZ.	+5% Py	OXID., RUSTY					
064	N. SIDE DENDR. CR. 40M E. 63	RANDOM CHIP	20M	"	FRIABLE	+1% Py, 2% MAG	SOME MAL					
071	S. OF SADDLE GLACIER	RANDOM/SUB CRAB/CROP	1M	SKARN	CHLORITE SILIC ETC.	+5% Py QTZ.	RUSTY					
072	RUSTY RIDGE S. OF TOE OF SADDLE GLACIER	FLOAT	GRAB	CHERTY SED. BAND.	SILIC.	NIL	LIGHT GREY, WHITE LARGE 3M+ SOURCE UP HILL?					
073	"	"	"	VOLC. SHEAR	" + QTZ VN	Py 10%	OXID., RUSTY/ON SOURCE?					
074	S. SIDE S. SADDLE CREEK	"	"	"	"	5% Py	RUSTY FLOAT SLABS					
075	N. SIDE OF 2ND N. SADDLE CR.	RAND. CHIP	2M	"	"	> 1% Py	MOSTLY WALL ROCK					

MINGOLD RESOURCES INC.

GEOCHEMICAL DATA SHEET – ROCK SAMPLING

Sampler JOHN MIRKO
Date AUG. 1989

Project
Property GALORE CREEK

NTS 104G / 3 + 4E
Location Ref LAT. 57°07'N LONG. 131° 27'W
Air Photo No.

SAMPLE No.	LOCATION	SAMPLE TYPE	SAMPLE WIDTH	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS				
				Rock Type	Alteration	Mineralization		Ag	Au			
076	100 M. W. OF 075R	RANDOM CHIP	1 M	VOLC.	SILIC. SHEAR	QTZ. 5% Py	3 1x2M RUSTY O/C. DISCONTINUOUS					
077	N. SIDE OF N. FK. OF W. F. GLAC.	"	2 M	"/FRAGS	SKARN ?	< 1% Py	V-g. O.C.					
078	200 M +- W OF 077	"	8 M (2M. GAP)	"	SILIC. HORNFELS	"	RUSTY					
079	5200' ELEV. X FROM NEVE 7-600 M. W OF 078	PICKED	4 M	"	QTZ. CARB. VNS	< 2% Py	BX. VNLTS. ORANGE RUBBLE.					
080	S. END OF S.W. GOSSAN ABOVE ZONE	RAND. CHIP RUBBLE	10 M	FRAG. VOLC.	SILIC.	5% Py	4900' ELEV. RUSTY					
081	100 M. S. OF BUTTE ANVIK PASS	RAND. CHIP	2 M	VOLC. SKARN	" CARB VNLTS.	< 1% Py	PART OF 79. ALT. ZONE ADJ. TO THRUST FAULT.					
082	300 M. N.E. OF DDH 88/3700'	"	1.5 M.	POR. SYENITE	EPI.	< 1% Py MIN. MAL	3 M ZONE, PURPLE GREY					
083	NORTH RIM BELOW DDH 88	2 M/CHIP.	2 M	" / BX.	CHLORITE, BIOTITE	MAG. MAL./MINOR	8 M O/C.					
084	20 M. N.W. OF 83	"	2 M	"	" ON FRAC.	"	RED ALGAE, LESS BX.					
085	5 M. E. OF 84	"	2 M	SYENITE	FRACTURES	<1% Py, <2% CPy >3% MAL	LIGHT PHENOS / PICKED BEST PART OF ZONE					
086	T.M. SHOWING STEEP CR.	"	5 M	META, VOLC.	20% CHL. EPI OXID.	6% Py, 80% MAG 1 M., <1% PYR.	SUB PARALLEL					
087	AT 006 R	"	1.5 M	"	SILIC.	—	006 GANE .07 oz/TON Au					
088	ADJ. 087 ON S.	" ~~FLOAT~~	2 M	"	"	"	BELOW TOP LAYER, UP CREEK.					
089	ACROSS VALLEY BELOW RUSTY CLIFF ABV	FLOAT	30 M	"	"	QTZ. CARB.	RUSTY, GOSSAN ABOVE					
090	ELEV. 5100' ABOVE T.M.	RANDOM CHIP	5 M	"	"	"	"					
091	100 M ABOVE 090	"	1 M	"	"	QTZ. VEIN? 5% Py	"					
092	E. OF 91	" WALL ROCK	5 M	"	QTZ. STRINGERS	<4% DISS. Py	"					
093	TOP OF STEEP CR. EL. 5000'	CHIP	1 M	SYENITE	QTZ. CARB	MIN. MAL	MIN. MAL, MAG. / SMALL OUTCROP MUCH FRACT. / TALUS KNOB					
094	50 M. W. of 93	"	2 M	POR. "	SHEARING	" "	RUSTY					
095	SHOWING BELOW DDH 128	"	2 M	"	QTZ. CARB	" "	" (NUMEROUS HAIR FRAC.)					
096	NORTH RIM MAIN ZONE	"	4 M	GREY FINE GR. SYENITE	EPI. MIN. BX.	" MAG.	NOTE RED ALGAE					

MINGOLD RESOURCES INC.

GEOCHEMICAL DATA SHEET – ROCK SAMPLING

Sampler JOHN MIRKO
Date AUG. 1989

Project
Property GALORE CREEK

NTS 104 G / 3 + 4
Location Ref LAT. 57°07'N LONG. 131°27'W
Air Photo No.

SAMPLE No.	LOCATION	SAMPLE TYPE	SAMPLE WIDTH	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS	
				Rock Type	Alteration	Mineralization		Ag	Au
097	CONTINUATION OF 096	CHIP	4 M	"	"	"	"		
098	S. OF BUTTE. TOP OF CR. ABOVE RA	RANDOM CHIP	5 M	META VOLC.	BLEACH, SERICITIZED	5% Py	RUSTY ORAN, RED 10 X 30 M O/C.		
~~099~~	~~S. OF BUTTE UPPER CR. JUST E. OF ANN CR.~~								
102	CR. GOSSAN JUST N. OF S.W. ZONE	GRAB	4 M	? SYN.	QTZ. SERIC. Py	20% Py	UPPER PORTION OF GOSSAN HEAVY OXID.		
103	"	CHIP	2 M	SYN.	BIOTITE. CARB. QTZ, SILIC.	2% Py MIN. MAL	OXID. RUSTY		
104	LOWER END OF GOSSAN	"	1 M	" ?	QTZ, CHLOR. EPI. Py	5% + Py	(LOOKS LIKE 005) NO CU, ZONE ABOUT 3 M. TH.		
~~105~~									

MINGOLD RESOURCES INC.

GEOCHEMICAL DATA SHEET – ROCK SAMPLING

Sampler: Dan Cosgrove
Date: June-Aug 89
Project: Galore Creek
Property:
NTS: 104/G3E+W
Location Ref:
Air Photo No.:

SAMPLE No.	LOCATION	SAMPLE TYPE	SAMPLE WIDTH	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS				
				Rock Type	Alteration	Mineralization		Ag	Au			
C001	North Rim ck	Out Crop	Random chip				3670' Shear Zone 2' wide					
C002	North Rim ck	Out Crop	Random chip	syenite	Epidote	cpy.	3670'					
C073	G4 Dan ck	Float					iron staining 2530'					
C080	S-110 ck	Out crop	Random chip	Syenite		+- 10% pyr.	Shear Zone 6m wide					
C081	Dc ck.	Out Crop	Random chip	And Feld porp	quartz		4070' shear zone 15m wide					
C083	Dc ck.	Out Crop	Random chip		quartz	py	3960' Rusty Br zone 3m wide					
C084	Dc ck.	Out Crop	Random chip	Syenite			3700' whitish pink 5m wide					
C089	Dc ck.	Out crop.	Random chip	Syenite.		Mal. azur.	coarse grain					
C097	Dc ck.	Float.	Random chip	bleached	Syenite.	py.						
C098	Nice ck.	Out crop	Random chip	quartz	carb		contact with Syenite 2910'					
C099	Nice ck.	Out crop.	Random chip	Syenite	Feld bleach epid	py.	2950'					
C100	Nice ck.	Float.	Random grab		epid	Cpy.	2940' coming from volcanic cliff.					
C108	nice ck.	Out crop.	Random chip	bleached,	silic. pyroxene	epid	volcanic. 1640					
C110	Galore ck.	Float	Random grab	quartz	vein	calc py. hem.	1600'					
C110A	Galore ck.	Out crop.	Rand. chip		altered volcanic		shear zone 1600'					
C111	Horsefly ck.	Out crop.	Rand. chip	Bleached	Syenite	3-5% py.	4040' 5m + wide.					
C115	Horsefly ck.	Float.		iron stained		black volc.	3-5% py. 3600'					
C119	Horsefly ck	Float.		bleached	epidotized	volcanic	Vuggy py. 3260'					
C120	Horsefly ck	Out crop.	Random chip	chloritized	Syenite	trace - 1% py.	3150'					
C121	Horsefly ck	out crop	Random chip	Syn mega	porp grey	quartz	3-5m wide carb alter. 3120'					
C177	Dry ck.	Out crop	Random chip	meta	volcanic	malc.	3746'					

MINGOLD RESOURCES INC.

GEOCHEMICAL DATA SHEET – ROCK SAMPLING

Sampler Dan Cosgrove
Date

Project Galore creek
Property

NTS 104 G-3
Location Ref
Air Photo No.

SAMPLE No.	LOCATION	SAMPLE TYPE	SAMPLE WIDTH	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS	
				Rock Type	Alteration	Mineralization		Ag	Au
C181	Dry ck	Outcrop	Random chip	wk calc.	wk c.py		malachite 3380'		
C182	Dry ck.	Outcrop	Random chip	silic.	sy calc	K feldspar py	3260' sy malachite		
C184	Dry ck	Outcrop	Random chip	Bleached sy calc		malachite	should take another look sy 2950		
C185	North Rim	Outcrop	Random chip	quartz	py		on talus 4350'		
C189	North Rim	Outcrop	Random chip	Dark sy calc		malachite	1-3% 4350' py. Cpy magnetite		
C260	Sulfide ck.	Float		pyrite	calc-py	mag.	Elk 3400'		

MINGOLD RESOURCES INC.

GEOCHEMICAL DATA SHEET – ROCK SAMPLING

Sampler: E.W. Yarrow
Date: July - September/89
Project:
Property: Galore Creek
NTS: 104 G/3 & 4
Location Ref:
Air Photo No.:

SAMPLE No.	LOCATION	SAMPLE TYPE	SAMPLE WIDTH	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS	
				Rock Type	Alteration	Mineralization		Ag	Au
YG10463 1R (501)	North Rim Creek	Rock Talus Float	—	Andesite	propylitic	Brown iron stain			
YG10463 2R 3R	"	Syenite - random chip	—	Syenite	ankeritic				
YG10463 6R (503)	North Rim Area	Contin. Chip	3.2m	Syenite po.		Magnetite Chalcopyrite	Heavy malachite stain.		
YG10463 9R (504)	North Rim	Contin chip	3.4m	Syenite		Chalcopyrite	Heavy malachite stain		
YG10463 10R (505)	North Rim	Contin chip	3.05m	Syenite		Chalcopyrite	Heavy malachite		
YG10463 11R (506)	North Rim	Contin chip	3.0m	Syenite		Chalcopyrite	2% Pyrite, minor malachite		
YG10464 1R (507)	ANUK RIVER	Random chip	—	Bleached andesite		Pyrite 3-5%	Gossanous		
YG10464 2R (508)	ANUK RIVER	Random chip	—	Andesite		Pyrite 3-5%	Fe stained		
YG10464 3R (509)	ANUK RIVER	Random chip		Andesite		Pyrite.	Bleached		
YG10464 4R (#510)	ANUK RIVER	Float	-	QTZ. VEIN		Chalcopyrite Pyrite			
YG10464 6R (#511)	ANUK RIVER	Random chip		Andesite		Pyrite 5-10%			

MINGOLD RESOURCES INC.

GEOCHEMICAL DATA SHEET – ROCK SAMPLING

Sampler: E.W. Yarrow
Date: July - September 1989
Project:
Property: Galore Creek.
NTS: 104 G/3 & 4
Location Ref:
Air Photo No.:

SAMPLE No.	LOCATION	SAMPLE TYPE	SAMPLE WIDTH	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS				
				Rock Type	Alteration	Mineralization		Ag	Au			
YG10464 7R (#512)	ANUK RIVER	Contin. chip	2 m	Andesite	Fe stain.	Pyrite						
YG10464 8R (#513)	ANUK RIVER	Random Chip		Silicif Volc.	Silicif.	Pyrite - 3-5%						
YG10464 9R (#514)	Headwts. of Anuk R.	Random Chip		Andesite	Qtz. -carbonate		Shear zone - 3cm. wide.					
YG10464 10R (#515)	"	Contin. chip	1.0m	Argillite	-	Pyrite	Qtz. veins in arg. (2cm wide)					
YG10464 11R (#516)	"	"	2.5m	"	Fe stain, Qtz -carb.	Pyrite blebs	Qtz. veinlets - 2-4cm.					
YG10464 12R (#0002)	Steep Creek	Contin. chip	3.0m	Syenite	Epidote	Pyrite -5-10%	Samp. along dip slope - Steep Ck. Zone.					
YG10464 13R (0003)	"	Grab	-	"	Epidote	Pyrite						
YG10463 13R (126)	SADDLE ZONE AREA	Grab	-	Intrusive	Fe carbonate		brown weathering, narrow qtz. stringers observed					
YG10463 14R (#127)	SADDLE ZONE AREA	Random chip	2m² area	Magnetite bt. - intrus.		magnetite	Malachite, qtz. veinlets					

MINGOLD RESOURCES INC.

GEOCHEMICAL DATA SHEET – ROCK SAMPLING

Sampler: E.W. Yarrow
Date: July - Sept. 1985
Project:
Property: Galore Ck.
NTS: 1046 3, 1046 4
Location Ref:
Air Photo No.:

SAMPLE No.	LOCATION	SAMPLE TYPE	SAMPLE WIDTH	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS				
				Rock Type	Alteration	Mineralization		Ag	Au			
YG10463 15R(#128)	Saddle Zone	Contin. Chip	1.83m	Intrusive Magn. Bx.		Chalcopyrite	Malachite, Magnetite bx.					
YG10463 16R(#129)	Saddle Zone	Contin. Chip	2.03m	Intrusive Magn. Bx.		Chalcopyrite	Magnetite vein (.2m) @256°					
YG10463 17R(#130)	Saddle Zone	Cont. Chip	2.44m	Intrusive Magn. Bx.		Chalcopyrite	Malachite, magnetite					

APPENDIX V

VLF-EM RAW DATA

VLF-EM Data Sheet Line : 7+00W Tx. : MAINE

Grid : NORTH RIM Facing : SOUTH

⊙	Dip Angle	Slope %	Correction Factor	Reading	1st Diff.	F. Filter			Quad.
4+75N	-15								-2
50	-15				-30				-2
25	-15				-30	0			-2
4+00N	-15				-30	+1			-1
75	-16				-31	+1			0
50	-15				-31	-1			+1
25	-15				-30	0			+2
3+00N	-16				-31	+3			0
75	-17				-33	+11			+1
50	-25				-42	+17			-5
25	-25				-50	+6			-3
2+00N	-23				-48	-10			-4
75	-17				-40	-14			-4
50	-17				-34	-7			0
25	-16				-33	+2			-5
1+00N	-20				-36	+5			-8
75	-18				-38	+2			-8
50	-20				-38	-1			-9
25	-17				-37	-4			-10
0+00N	-17				-34	-4			-6
25	-16				-33	-1			-9
50	-17				-33	+2			-7
75	-18				-35	+5			-9
1+00S	-20				-38	+4			-5
25	-19				-39	-6			-10
50	-13				-32	-17			-4
75	-9				-22	-18			-2
2+00S	-5				-14	-13			+2
25	-4				-9	-2			+2
50	-8				-12	+6			+1
75	-7				-15	+3			+2
3+00S	-8				-15	+3			+2
25	-10				-18	+8			-1
50	-13				-23	+9			0
75	-14				-27	+8			-4
4+00S	-17				-31	+10			-3
					-37	+9			

VLF-EM Data Sheet Line : 7+00W Tx. : MAINE

Grid : NORTH RIM Facing : SOUTH

⚠	Dip Angle	Slope %	Correction Factor	Reading	1st Diff.	F. Filter			Quad.
25	-20								
					-40	+6			-6
50	-20								
					-43	+10			-4
75	-23								
					-50				-2
5+00S	-27	—							-6

VLF-EM Data Sheet Line : 6+00W Tx. : MAINE

Grid : NORTH RIM Facing : SOUTH

⚠	Dip Angle	Slope %	Correction Factor	Reading	1st Diff.	F. Filter			Quad.
4+75N	-10								0
50	-9				-19				-4
25	-10				-19	+3			+2
4+00N	-12	—			-22	+6			+1
75	-13				-25	+7			-1
50	-16				-29	+9			0
25	-18				-34	+16			-2
3+00N	-27				-45	+19			-6
75	-26				-53	+6			-5
50	-25				-51	-5			+1
25	-23				-48	-8			-3
2+00N	-20				-43	-10			-2
75	-18				-39	-9			-3
50	-16				-34	-11			-2
25	-21				-27	+5			-9
1+00N	-18				-39	+10			-8
75	-19				-37	-5			-7
50	-15				-34	-8			-8
25	-14				-29	-4			-7
0+00N	-16				-30	+7			-8
25	-20				-36	+13			-8
50	-23				-43	+8			-9
75	-21				-44	0			-8
1+00S	-22				-43	-3			-8
25	-19				-41	-7			-5
50	-17				-36	-11			-2
75	-13				-30	-12			-1
2+00S	-11				-24	-12			+2
25	-7				-18	-14			+6
50	-3				-10	-11			+9
75	-4				-7	+1			+8
3+00S	-7				-11	+7			+3
25	-7				-14	+6			+4
50	-10				-17	+11			0
75	-15				-25	+14			-2
4+00S	-16				-31	+9			-4
					-34	+5			

VLF-EM Data Sheet Line : 6+00W Tx. : MAINE

Grid : NORTH RIM Facing : SOUTH

△	Dip Angle	Slope %	Correction Factor	Reading	1st Diff.	F. Filter			Quad.
25	-18								-4
50	-18				-36	+4			-3
75	-20				-38	+7			-3
5+00S	-23	—			-43				-2

VLF-EM Data Sheet Line : 5+00W Tx. : MAINE

Grid : NORTH RIM Facing : SOUTH

△	Dip Angle	Slope %	Correction Factor	Reading	1st Diff.	F. Filter			Quad.
4+75N	-15								-4
50	-12				-27				-1
25	-10				-22	-4			0
4+00N	-13	—			-23	+3			+1
75	-12				-25	-6			+1
50	-5				-17	-8			+10
25	-12				-17	+16			+2
3+00N	-21				-33	+27			-4
75	-23				-44	+12			-3
50	-22				-45	+1			-2
25	-23				-45	+2			-1
2+00N	-24				-47	-1			-5
75	-20				-44	-8			-2
50	-19				-39	-2			-4
25	-23				-42	+2			-7
1+00N	-18				-41	-6			-8
75	-18				-36	-3			-8
50	-20				-38	+2			-6
25	-18				-38	-2			-9
0+00N	-18				-36	0			-8
25	-20				-38	+5			-5
50	-21				-41	+5			-4
75	-23				-43	+1			-8
1+00S	-20				-42	-5			-6
25	-18				-38	-8			-3
50	-16				-34	-7			-1
75	-15				-31	-7			+2
2+00S	-12				-27	-6			+2
25	-13				-25	-4			+2
50	-10				-23	-8			+6
75	-7				-17	-9			+8
3+00S	-7				-14	0			+7
25	-10				-17	+9			+4
50	-13				-23	+9			0
75	-13				-26	0			-2
4+00S	-10				-23	-2			0
					-24	+10			

VLF-EM Data Sheet Line : 5+00W Tx. : MAINE

Grid : NORTH RIM Facing : SOUTH

△	Dip Angle	Slope %	Correction Factor	Reading	1st Diff.	F. Filter			Quad.
25	-14								
					-33	+11			0
50	-19								
					-35	0			-4
75	-16								
					-33				0
5+00S	-17	—							-1

VLF-EM Data Sheet Line : 4+00W Tx. : MAINE

Grid : NORTH RIM Facing : SOUTH

△	Dip Angle	Slope %	Correction Factor	Reading	1st Diff.	F. Filter			Quad.
4+50N	-12								+2
25	-13				-25				+3
4+00N	-15				-28	0			+1
75	-10				-25	-10			+5
50	-8				-18	-9			+6
25	-8				-16	+11			+8
3+00N	-21				-29	+36			-1
75	-31				-52	+35			-6
50	-32				-64	+7			-6
25	-27				-59	-9			-4
2+00N	-28				-55	0			-4
75	-31				-59	+4			-10
50	-28				-59	-4			-9
25	-27				-55	-5			-6
1+00N	-27				-54	-3			-8
75	-25				-52	-4			-10
50	-25				-50	-2			-10
25	-25				-50	0			-8
0+00N	-25				-50	+1			-8
25	-26				-51	0			-10
50	-24				-50	-5			-6
75	-22				-46	-7			-5
1+00S	-21				-43	-8			-3
25	-17				-38	-9			-4
50	-17				-34	-5			-4
75	-16				-33	-3			-3
2+00S	-15				-31	-3			-3
25	-15				-30	0			0
50	-16				-31	+1			+1
75	-15				-31	-3			-3
3+00S	-13				-28	-7			-7
25	-11				-24	-10			-10
50	-7				-18	-9			-9
75	-8				-15	+6			+6
4+00S	-16				-24	+16			+16
					-31	+8			

VLF-EM Data Sheet Line : 4+00W Tx. : MAINE

Grid : NORTH RIM Facing : SOUTH

⚠	Dip Angle	Slope %	Correction Factor	Reading	1st Diff.	F. Filter			Quad.
25	-15								-4
50	-17				-32	+2			-5
75	-16				-33	-3			-5
5+00S	-13	—			-29	-7			0
25	-13				-26				+2

VLF-EM Data Sheet Line : 2+85W Tx. : MAINE

Grid : NORTH RIM Facing : SOUTH

△	Dip Angle	Slope %	Correction Factor	Reading	1st Diff.	F. Filter			Quad.
1+00N	-20				-39				-8
75	-19				-37	-4			-6
50	-18				-35	-3			-8
25	-17	—			-34	+2			-9
0+00N	-17				-37	+3			-6
25	-20				-37	-5			-9
50	-17				-32	-7			-4
75	-16				-30	-5			-2
1+00S	-14				-27	-7			-2
25	-13				-23	-7			-8
50	-10				-20	-5			-2
75	-10				-18	-5			0
2+00S	-8				-15	-6			-2
25	-7				-12				+3
50	-5								+3

VLF-EM Data Sheet

Line : 2+15 W

Tx. : MAINE

Grid : NORTH RIM

Facing : SOUTH

△	Dip Angle	Slope %	Correction Factor	Reading	1st Diff.	F. Filter			Quad.
1+00N	-15								-5
75	-18				-33				-3
50	-16				-34	+1			-7
25	-18				-34	+1			-4
0+00N	-17				-35	+6			-4
25	-23				-40	+10			-7
50	-22				-45	+2			-6
75	-20				-42	-5			-4
1+00S	-20				-40	-3			-4
25	-19				-39	-3			-6
50	-18				-37	-6			-4
75	-15				-33	-8			0
2+00S	-14				-29	-7			-2
25	-12				-26	-5			-2
50	-12				-24				-4

VLF-EM Data Sheet Line : 1+15W Tx. : MAINE

Grid : NORTH RIM Facing : SOUTH

⊙	Dip Angle	Slope %	Correction Factor	Reading	1st Diff.	F. Filter			Quad.
1+00N	-10								+2
75	-10				-20				+2
50	-11				-21	+2			+1
25	-11	—			-22	+5			+2
0+00N	-15				-26	+9			-3
25	-16				-31	+7			-4
50	-17				-33	+3			-4
75	-17				-34	+1			-2
1+00S	-17				-34	0			-4
25	-17				-34	+1			-4
50	-18				-35	+2			-2
75	-18				-36	+2			-2
2+00S	-19				-37	0			-3
25	-17				-36	-4			-4
50	-16				-33				-4

VLF-EM Data Sheet Line : 0+00E Tx. : MAINE

Grid : NORTH RIM Facing : SOUTH

⚠	Dip Angle	Slope %	Correction Factor	Reading	1st Diff.	F. Filter			Quad.
1+00N	0								+11
75	-2				-2				+10
50	-3				-5	+8			+8
25	-7	—			-10	+11			+5
0+00N	-9				-16	+10			+3
25	-11				-20	+8			+3
50	-13				-24	+5			+4
75	-12				-25	0			0
1+00S	-12				-24	-1			0
25	-12				-24	+1			+1
50	-13				-25	+1			+4
75	-12				-25	0			+3
2+00S	-13				-25	+2			0
25	-14				-27	+5			-1
50	-16				-30				-2

VLF-EM Data Sheet Line : 1+00E Tx. : MAINE

Grid : NORTH RIM Facing : SOUTH

⊙	Dip Angle	Slope %	Correction Factor	Reading	1st Diff.	F. Filter			Quad.
1+00N	+2								+17
75	+2				+4				+12
50	-1				+1	+8			+8
25	-3				-4	+11			+6
0+00N	-7				-10	+10			+4
25	-7				-14	+4			+5
50	-7				-14	+3			+3
75	-10				-17	+6			+2
1+00S	-10				-20	+1			+2
25	-8				-18	-2			+2
50	-10				-18	+2			+5
75	-10				-20	+1			+6
2+00S	-9				-19	-1			+5
25	-10				-19	+3			+7
50	-12				-22				+4

VLF - EM Data Sheet Line : 2+00E Tx. : MAINE

Grid : NORTH RIM Facing : SOUTH

△	Dip Angle	Slope %	Correction Factor	Reading	1st Diff.	F. Filter			Quad.
1+00N	+8								
75	+6				+14				+14
50	+5				+11	+5			+13
25	+4				+9	+7			+10
0+00N	0				+4	+8			+8
25	+1				+1	+3			+6
50	0				+1	+1			+3
75	0				0	+2			+6
1+00S	-1				-1	+6			+6
25	-5				-6	+8			+2
50	-4				-9	+3			+3
75	-5				-9	+3			+2
2+00S	-7				-12	+7			+1
25	-9				-16	+12			+2
50	-15				-24				0
									0

VLF-EM Data Sheet

Line : 3+00E

Tx. : MAINE

Grid : NORTH RIM

Facing : SOUTH

⚠	Dip Angle	Slope %	Correction Factor	Reading	1st Diff.	F. Filter			Quad.
1+00N	+11								+12
75	+10				+21				+14
50	+7				+17	+7			+10
25	+7				+14	+3			+8
0+00N	+7				+14	+4			+5
25	+3				+10	+12			+5
50	-1				+2	+11			-3
75	0				-1	+5			+2
1+00S	-3				-3	+3			+3
25	-1				-4	-3			+1
50	+1				0	-5			-2
75	0				+1	+7			-3
2+00S	-7				-7	+17			0
25	-9				-16	+12			-1
50	-10				-19				-1

VLF-EM Data Sheet

Line : 1+00N (GRID E-W)

Tx. : SEATTLE

Grid : NORTH RIM

Facing : EAST

Δ	Dip Angle	Slope %	Correction Factor	Reading	1st Diff.	F. Filter			Quad.
7+00W	0								-2
75	-3				-3				+6
50	+1				-2	-6			+4
25	+2				+3	-4			+5
6+00W	0				+2	+2			+2
75	+1				+1	-2			+1
50	+3				+4	-2			+3
25	0				+3	+4			+2
5+00W	0				0	+2			+1
75	+1				+1	-1			+2
50	0				+1	+3			0
25	-2				-2	+6			+3
4+00W	-3				-5	-1			+5
75	+2				-1	-4			+5
50	-1				+1	-2			+5
25	+2				+1	-4			+7
3+00W	+3				+5	-2			+8
75	0				+3	+8			+5
50	-3				-3	+9			+5
25	-3				-6	+9			+2
2+00W	-9				-12	+14			-2
75	-11				-20	+9			0
50	-10				-21	-3			0
25	-7				-17	-1			+1
1+00W	-13				-20	+11			-3
75	-15				-28	+15			-7
50	-20				-35	+9			-5
25	-17				-37	+2			-4
0+00E	-20				-37	-1			-6
25	-16				-36	-2			-5
50	-19				-35	+4			-3
75	-21				-40	+9			-3
1+00E	-23				-44	+8			-3
25	-25				-48	+10			-5
50	-29				-54	+13			-6
75	-32				-61	+6			-7
2+00E	-28				-60	-3			-6
					-58	-1			

VLF-EM Data Sheet Line : 1+00N Tx. : SEATTLE

Grid : NORTH RIM Facing : EAST

△	Dip Angle	Slope %	Correction Factor	Reading	1st Diff.	F. Filter			Quad.
25	-30				-59	+1			-8
50	-29				-59	-1			-6
75	-30				-58	-5			-5
3+00E	-28	—			-54	-5			-5
25	-26				-53	0			-6
50	-27				-54	+3			-4
75	-27				-56	+4			-6
4+00E	-29				-58	+3			-6
25	-29				-59				-6
50	-30								-10

VLF-EM Data Sheet Line : 1+00S Tx. : SEATTLE

Grid : NORTH RIM (GRID E-W) Facing : EAST

△	Dip Angle	Slope %	Correction Factor	Reading	1st Diff.	F. Filter			Quad.
6+75W	+2								+2
50	0				+2				+3
25	0	—			0	-1			0
6+00W	+3				+3	-8			+2
75	+5				+8	-7			+2
50	+5				+10	-2			+4
25	+5				+10	+2			+4
5+00W	+3				+8	+3			+6
75	+4				+7	+2			+8
50	+2				+6	+5			+7
25	0				+2	+9			+7
4+00W	-3				-3	+11			+6
75	-6				-9	+10			+6
50	-7				-13	+7			+6
25	-9				-16	+8			+6
3+00W	-12				-21	+7			+5
75	-11				-23	-5			+9
50	-5				-16	-13			+10
25	-5				-10	-4			+10
2+00W	-7				-12	0			+12
75	-3				-10	-4			+11
50	-5				-8	-2			+12
25	-3				-8	-1			+10
1+00W	-4				-7	0			+10
75	-4				-8	+5			+8
50	-8				-12	+8			+6
25	-8				-16	+5			+5
0+00E	-9				-17	+1			+3
25	-8				-17	-2			+2
50	-7				-15	-1			+4
75	-9				-16	+6			+4
1+00E	-12				-21	+7			+2
25	-11				-23	+6			-3
50	-16				-27	+9			-3
75	-16				-32	+6			-2
2+00E	-17				-33	+5			0
					-37	+6			

VLF - EM Data Sheet Line : 1+00S Tx. : SEATTLE

Grid : NORTH RIM Facing : EAST

△	Dip Angle	Slope %	Correction Factor	Reading	1st Diff.	F. Filter			Quad.
25	-20								+1
50	-19				-39	0			+3
75	-18				-37	-3			0
3+00E	-18	—			-36	0			0
25	-19				-37	+2			-1
50	-19				-38	+2			-1
75	-20				-39	+3			-3
4+00E	-21				-41	+6			-4
25	-24				-45	+3			-5
50	-20				-44	0			-2
75	-25				-45	+8			-4
5+00E	-27				-52			/	-2

VLF-EM Data Sheet Line : CONTOUR @ 3400' Tx. : MAINE

Grid : SADDLE CREEK Facing : SOUTH

△	Dip Angle	Slope %	Correction Factor	Reading	1st Diff.	F. Filter			Quad.
(C222) 0+00N	+58								
					+107				+6
25	+49								+4
					+93	+22			
50	+44								+2
					+85	+9			
75	+41	—							+2
					+84	+3			
1+00N	+43								+4
					+82	+8			
25	+39								+2
					+76	+8			
50	+37								+2
					+74	+5			
75	+35								+2
					+71	+6			
(C230) 2+00N	+36								+1
					+68	+9			
25	+32								+1
					+62	+11			
50	+30								0
					+57	+10			
75	+27								-3
					+52	+7			
3+00N	+25								0
					+50	+2			
(C235) 25	+25								0
					+50	-1			
50	+25								+2
					+51	-1			
75	+26								+4
					+51	+2			
4+00N	+25								+4
					+47	+3			
25	+24								+3
					+48	+3			
(C240) 50	+24								+2
					+46	+6			
75	+22								+4
					+42	+4			
5+00N	+20								+6
					+42	-3			
25	+22								+7
					+45	-4			
50	+23								+9
					+46	+1			
(C245) 75	+23								+7
					+44	+8			
6+00N	+21								+4
					+38	+6			
25	+17								+4
					+38	-6			
50	+21								+6
					+44	-7			
75	+23								+10
					+45	+1			
(C250) 7+00N	+22								+8
					+43	0			
25	+21								+8
					+45	-2			
50	+24								+6
					+45	+2			
75	+21								+7
					+43	0			
8+00N	+22								+4
					+45	-2			
(C255) 25	+23								+3
					+45	0			
50	+22								0
					+45	-3			
75	+23								+2
					+48	-5			
9+00N	+25								0
					+50				
(C259) 25	+25								+1

VLF - EM Data Sheet Line : 2+00W Tx. : MAINE

Grid : SOUTHWEST Facing : SOUTH

⚠	Dip Angle	Slope %	Correction Factor	Reading	1st Diff.	F. Filter			Quad.
3+50S	+5								-3
25	0				+5				-6
3+00S	+5				+5	+5			-5
75	+5	—			+10	-1			-4
50	-1				+4	-11			-6
25	0				-1	-9			0
2+00S	-5				-5	0			-3
75	+4				-1	+23			-2
50	+14				+18	+32			+1
25	+17				+31	+4			+3
1+00S	+5				+22	-34			-5
75	-8				-3	-30			-1
50	0				-8	-7			-10
25	-10				-10	-32			-14
0+00S	-30				-40	-25			-17
25	-5				-35	+30			-9
50	-5				-10	+25			-13
75	-5				-10	-4			-10
1+00N	-9				-14	+1			-12
25	0				-9	+26			-5
50	+12				+12	+35			-4
75	+14				+26	+27			-5
2+00N	+25				+39	+36			-2
25	+37				+62	+23			+9
50	+25				+62	-17			-4
75	+20				+45				-6

VLF - EM Data Sheet Line : 0+00E Tx. : MAINE

Grid : SOUTHWEST Facing : SOUTH

⚠	Dip Angle	Slope %	Correction Factor	Reading	1st Diff.	F. Filter			Quad.
3+50S	+8								-7
25	+10				+18				-10
3+00S	+10				+20	-10			-9
75	-2				+8	-19			-8
50	+3				+1	-7			-4
25	-2				+1	-10			-5
2+00S	-7				-9	-13			-9
75	-5				-12	+4			-6
50	0				-5	+33			-8
25	+21				+21	+58			-5
1+00S	+32				+53	+37			-5
75	+27				+59	-7			-4
50	+19				+46	-29			-10
25	+11				+30	-25			-8
0+00S	+10				+21	-13			-4
25	+7				+17	-4			-8
50	+10				+17	0			-7
75	+7				+17	-7			-6
1+00N	+3				+10	-11			-7
25	+3				+6	-7			-7
50	0				+3	-10			-7
75	-4				-4	-12			-6
2+00N	-5				-9	-11			-8
25	-10				-15	+2			-11
50	+3				-7				0

VLF - EM Data Sheet Line : 2+00E Tx. : MAINE

Grid : SOUTHWEST Facing : SOUTH

△	Dip Angle	Slope %	Correction Factor	Reading	1st Diff.	F. Filter			Quad.
3+50S	+6								-2
25	+7				+13				-1
3+00S	+7				+14	+1			-2
75	+7	—			+14	-4			-4
50	+3				+10	-1			-7
25	+10				+13	0			-12
2+00S	0				+10	-15			-9
75	-2				-2	-11			-9
50	+1				-1	+9			-10
25	+6				+7	+17			-10
1+00S	+10				+16	+17			-9
75	+14				+24	+9			-7
50	+11				+25	+5			-6
25	+18				+29	+18			-1
0+00S	+25				+43	+16			-2
25	+20				+45	-3			-3
50	+20				+40	-8			-4
75	+17				+37	-6			-4
1+00N	+17				+34	-5			-7
25	+15				+32	-12			-12
50	+7				+22	-20			-7
75	+5				+12	-19			-10
2+00N	-2				+3	-14			-6
25	0				-2	-8			-4
50	-5				-5				-2

GROUP I

GROUP II

GROUP III

STEEP CREEK ZONE

NORTH RIM-DDH 128 GRID

SOUTHWEST ZONE GRID

CAMP IP ZONE

SADDLE ZONE DDH 70

SADDLE CREEK CONTOUR SOILS

DDH 128

DDH88

DDH3,5

GALORE CREEK

WEST FORK GLACIER

EAST FORK

Steep Cr.

North Rim Creek

Nick Cr.

Bromley Cr.

Mud Cr.

Malachite Cr.

Pulse Cr.

Little Cr.

Up Cr.

Down Cr.

Airstrip Cr.

Camp Cr.

Saddle Mtn.

S Kern Mtn.

AIRSTRIP ROAD

CLEARED

CAMP

N

LEGEND

Before Sept. 1989	After Sept. 1989	
○	●	Silt sample
△	▲	Rock "
□	■	Float "

Soil sampling area

Group boundary

Road

Glacial

All copper values in ppm or otherwise stated

STIKINE COPPER LIMITED

GALORE CREEK PROPERTY

RECONNAISSANCE ROCK & SILT SAMPLES

COPPER - PPM

N.T.S. 104G-3 GALORE CREEK, LIARD M.D., B.C.

DATE NOV. 1989	DRAWN BY K.T.	PLATE No GC89-6
REVISED BY	DATE	SCALE 1:12,000 0 500 1000 1500 FT. 0 200 400 M

CHONG

GROUP I

GROUP II

GROUP III

STEEP CREEK ZONE

NORTH RIM-DDH 128 GRID

SOUTHWEST ZONE GRID

CAMP IP ZONE

SADDLE CREEK CONTOUR SOILS

SADDLE ZONE DDH70

DDH 128

DDH 88

DDH3,5

CAMP

GLACIER

WEST FORK

GALORE CREEK

EAST FORK

CLEARED

GLACIER AIRSTRIP

AIRSTRIP ROAD

N

LEGEND

Before Sept. 1989	After Sept. 1989	
○	●	Silt sample
△	▲	Rock "
□	■	Float "

Soil sampling area

Group boundary

Road

Glacial

All gold values in ppb or otherwise stated

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,397

STIKINE COPPER LIMITED

GALORE CREEK PROPERTY

RECONNAISSANCE ROCK & SILT SAMPLES

GOLD - PPB

N.T.S. 104G-3 GALORE CREEK, LIARD M.D., B.C.

DATE NOV. 1989	DRAWN BY K.T	PLATE No GC89-5
REVISED BY	DATE	SCALE 1:12,000 (0 500 1000 1500 FT.; 0 200 400 M.)

CHONG

GROUP I

GROUP II

GROUP III

STEEP CREEK ZONE

NORTH RIM-DDH 128 GRID

SOUTHWEST ZONE GRID

CAMP IP ZONE

SADDLE CREEK CONTOUR SOILS

SADDLE ZONE DDH 70

GALORE CREEK

WEST FORK GLACIER

EAST FORK

N

LEGEND

Before Sept. 1989	After Sept. 1989	
○	●	Silt sample
△	▲	Rock "
□	■	Float "

Soil sampling area

Group boundary

Road

Glacial

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,397

STIKINE COPPER LIMITED

GALORE CREEK PROPERTY

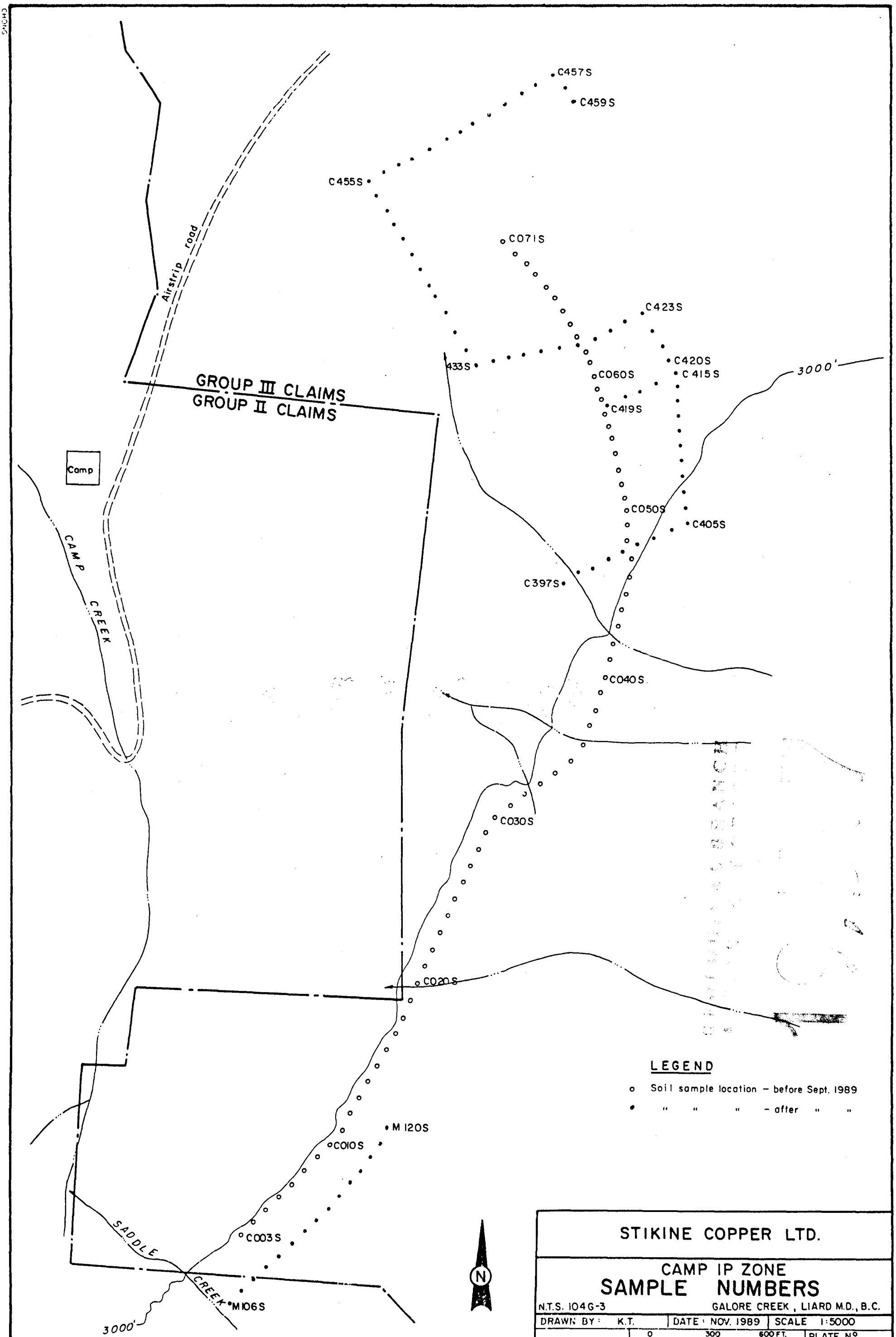
RECONNAISSANCE ROCK & SILT SAMPLES

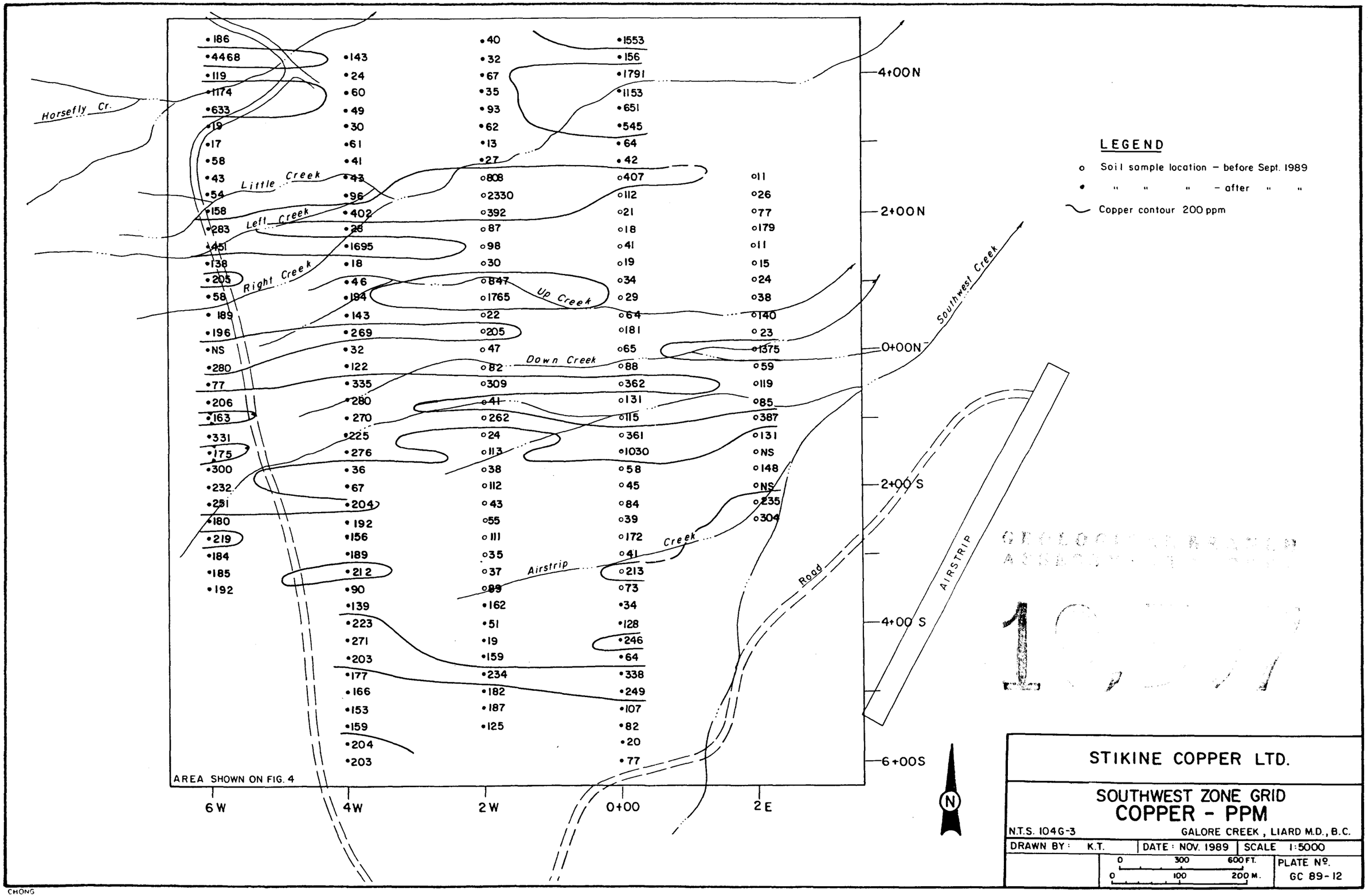
SAMPLE NUMBERS

N.T.S. 104G-3 GALORE CREEK, LIARD M.D., B.C.

DATE NOV. 1989	DRAWN BY K.T	PLATE No GC 89-4
REVISED BY	DATE	SCALE 1:12,000 0 500 1000 1500 FT. 0 200 400 M.

CHONG


C457S
C459S
C455S
C071S
C423S
433S
C420S
C060S
C415S
C419S
3000'
GROUP III CLAIMS
GROUP II CLAIMS
Airstrip road
Camp
CAMP CREEK
C050S
C405S
C397S
C040S
C030S
C020S
M120S
C010S
C003S
SADDLE CREEK
M106S
3000'
N
LEGEND
o Soil sample location – before Sept. 1989
• " " " – after " "
STIKINE COPPER LTD.
CAMP IP ZONE
SAMPLE NUMBERS
N.T.S. 104G-3
GALORE CREEK , LIARD M.D., B.C.
DRAWN BY: K.T.
DATE: NOV. 1989
SCALE 1:5000
0 300 600 FT.
0 100 200 M.
PLATE Nº.
GC 89-13



STIKINE COPPER LTD.

SOUTHWEST ZONE GRID
COPPER - PPM

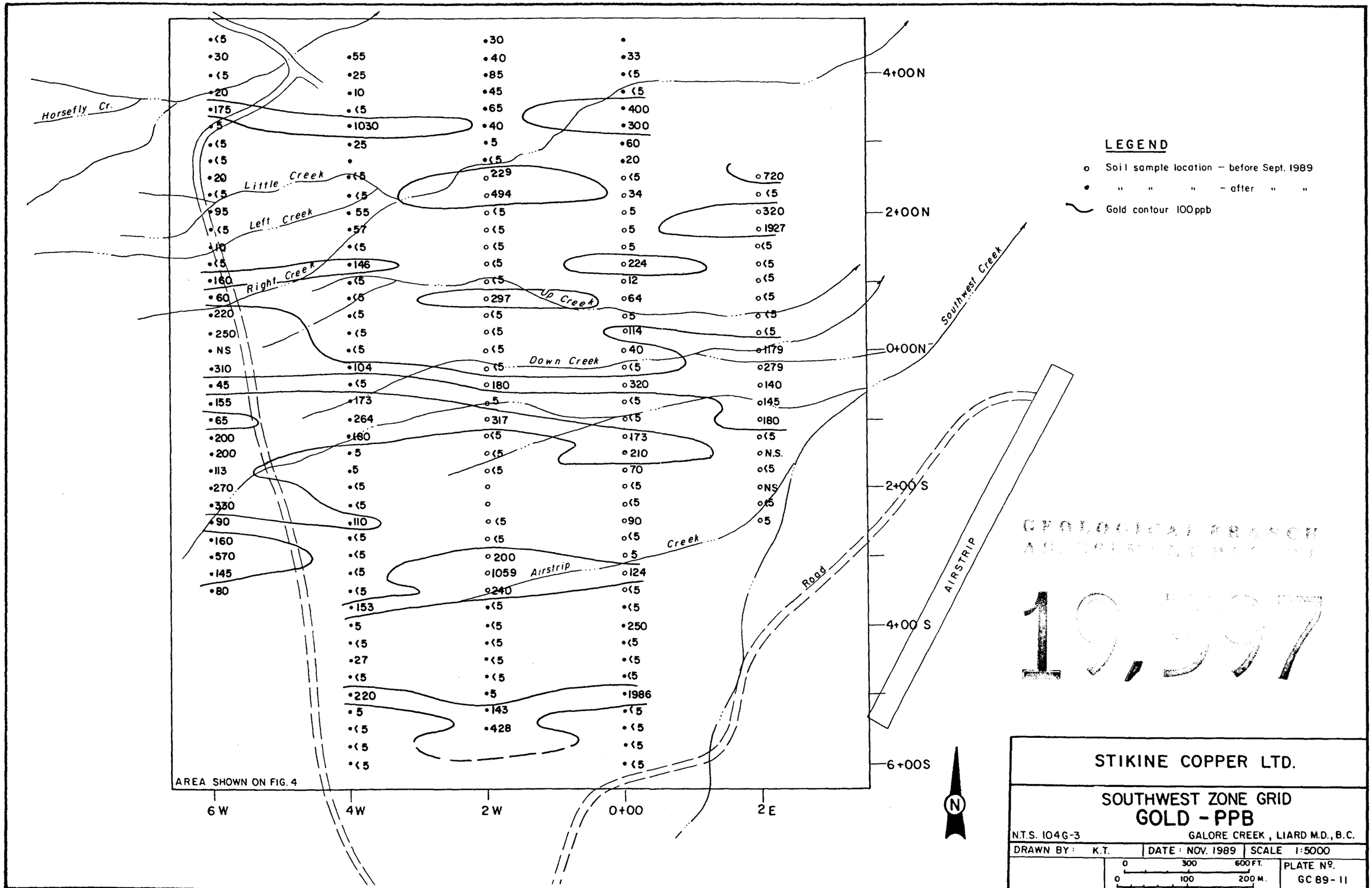
N.T.S. 104G-3 GALORE CREEK, LIARD M.D., B.C.

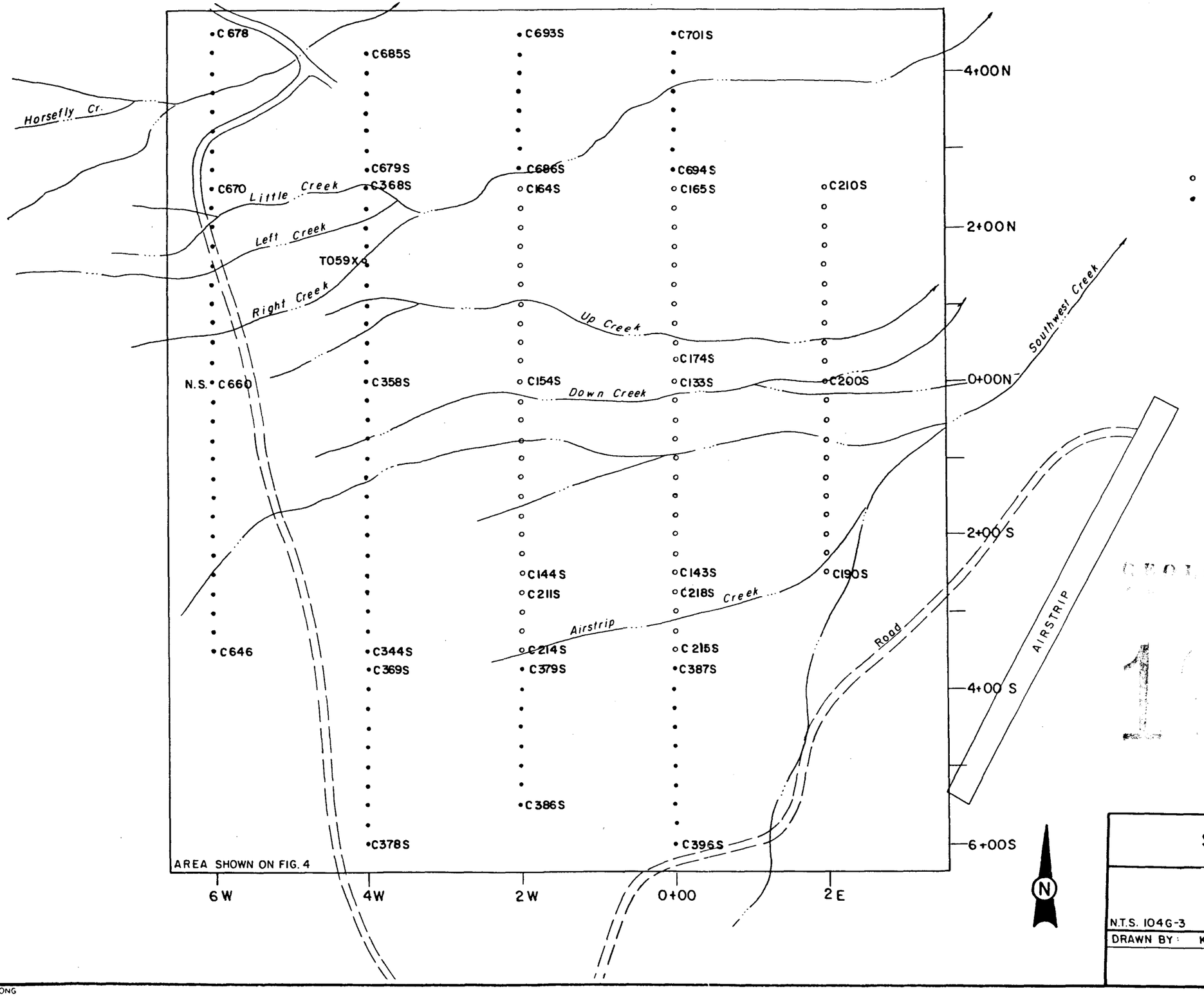
DRAWN BY: K.T. | DATE: NOV. 1989 | SCALE 1:5000

0 300 600 FT.
0 100 200 M.

PLATE Nº. GC 89-12

CHONG


Horsefly Cr.
Little Creek
Left Creek
Right Creek
Up Creek
Down Creek
Southwest Creek
Airstrip
Creek
Road
AIRSTRIP
AREA SHOWN ON FIG. 4
4+00N
2+00N
0+00N
2+00 S
4+00 S
6+00S
6 W
4W
2W
0+00
2E
N
LEGEND
Soil sample location – before Sept. 1989
" " " – after " "
Gold contour 100ppb
GEOLOGICAL BRANCH
ASSESSMENT REPORT
19,997
STIKINE COPPER LTD.
SOUTHWEST ZONE GRID
GOLD - PPB
N.T.S. 104G-3
GALORE CREEK, LIARD M.D., B.C.
DRAWN BY: K.T.
DATE: NOV. 1989
SCALE 1:5000
0 300 600 FT.
0 100 200 M.
PLATE Nº.
GC 89-11
CHONG



LEGEND

o Soil sample location – before Sept. 1989

● " " " – after " "

STIKINE COPPER LTD.

SOUTHWEST ZONE GRID SAMPLE NUMBERS

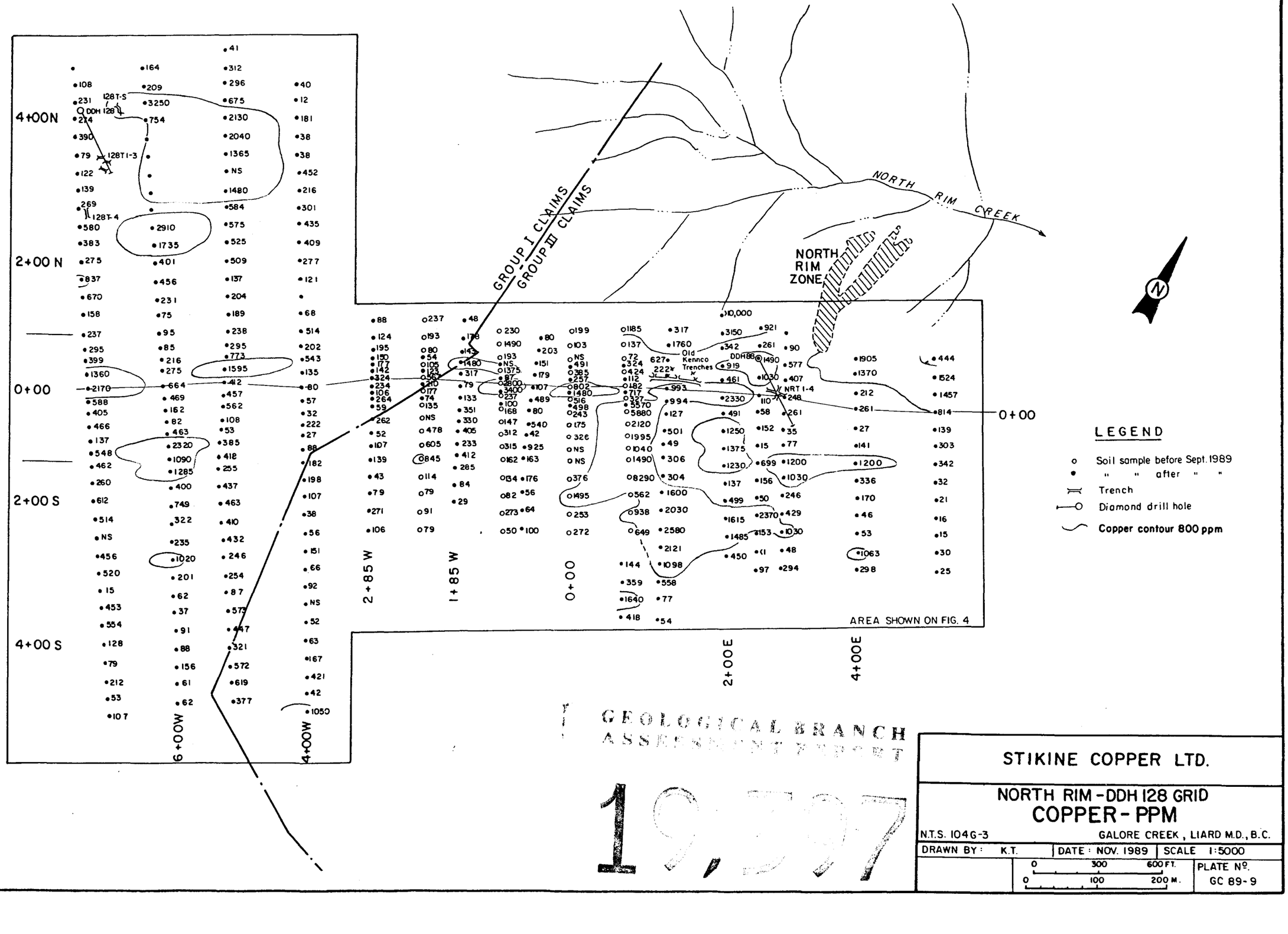
N.T.S. 104G-3 GALORE CREEK, LIARD M.D., B.C.

DRAWN BY: K.T.	DATE: NOV. 1989	SCALE 1:5000

0 300 600 FT.
0 100 200 M.

PLATE Nº. GC 89-10

CHONG



STIKINE COPPER LTD.

NORTH RIM - DDH 128 GRID
COPPER - PPM

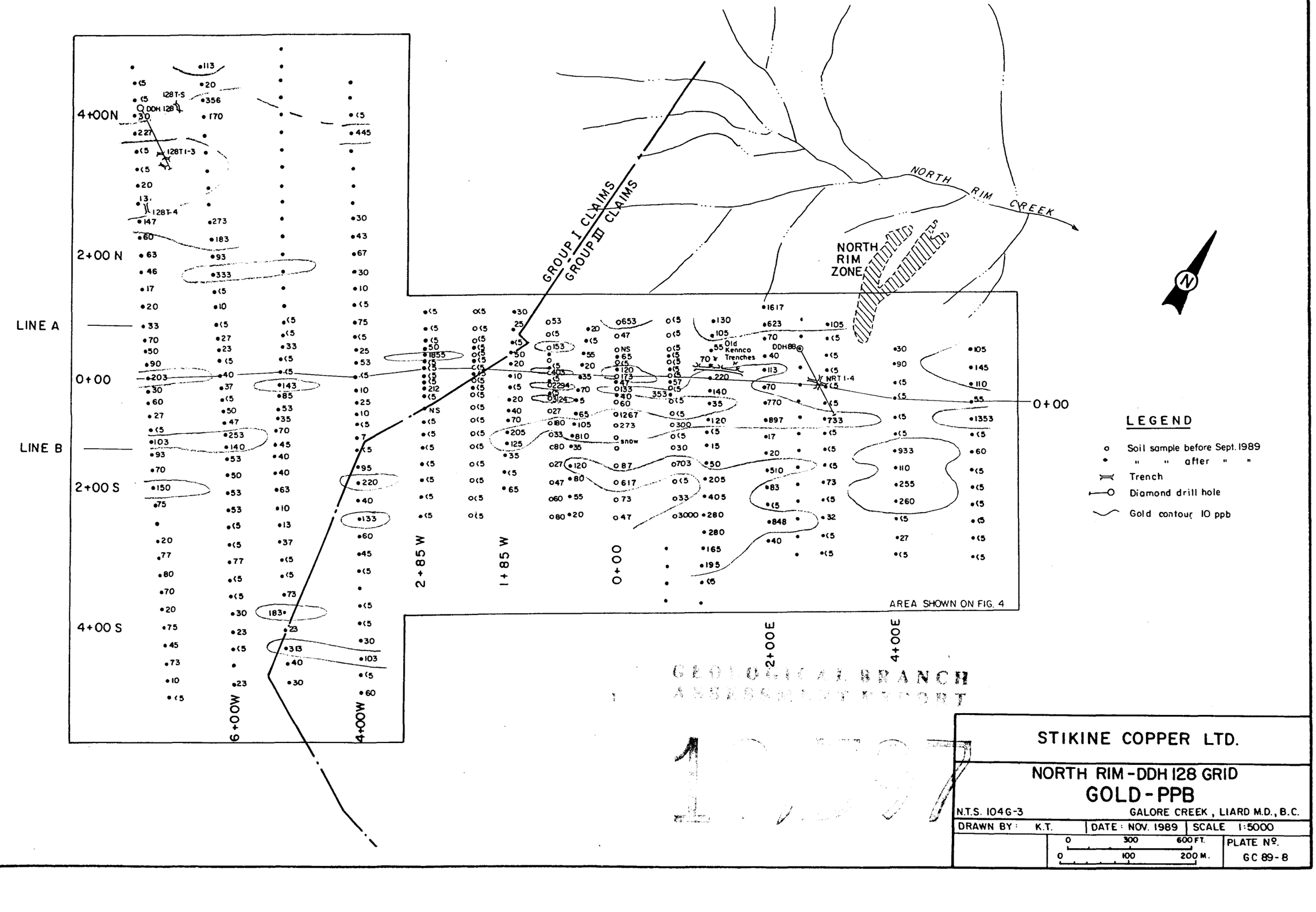
N.T.S. 104G-3 GALORE CREEK, LIARD M.D., B.C.

DRAWN BY: K.T. | DATE: NOV. 1989 | SCALE 1:5000

0 300 600 FT.
0 100 200 M.

PLATE Nº. GC 89-9

CHONG



STIKINE COPPER LTD.

NORTH RIM - DDH 128 GRID

GOLD - PPB

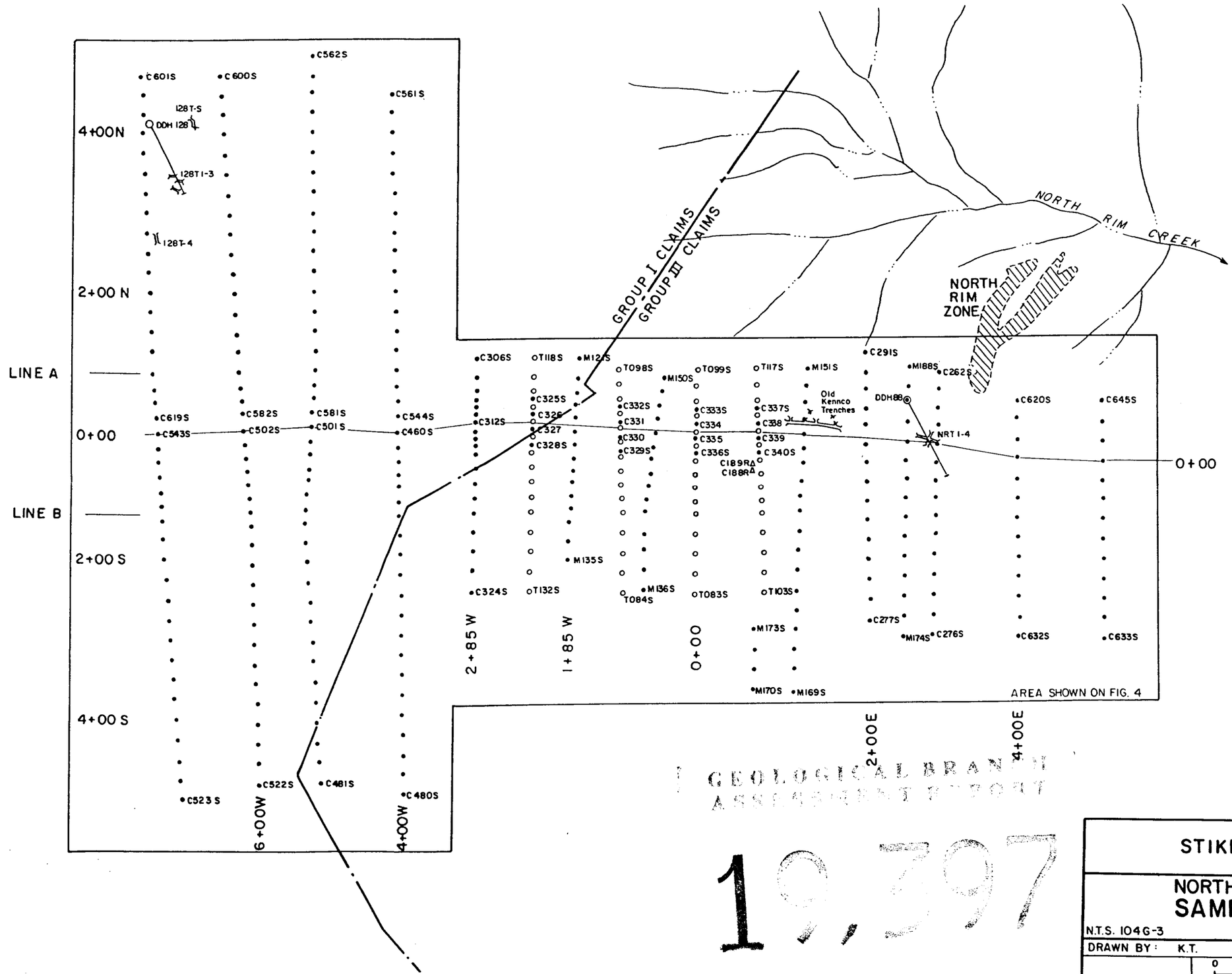
N.T.S. 104G-3 GALORE CREEK, LIARD M.D., B.C.

DRAWN BY: K.T. | DATE: NOV. 1989 | SCALE 1:5000

0 300 600 FT.
0 100 200 M.

PLATE No. GC 89-8

CHONG



LEGEND

- o Soil sample before Sept. 1989
- • " " after " "
- Trench
- Diamond drill hole

STIKINE COPPER LTD.

NORTH RIM - DDH 128 GRID
SAMPLE NUMBERS

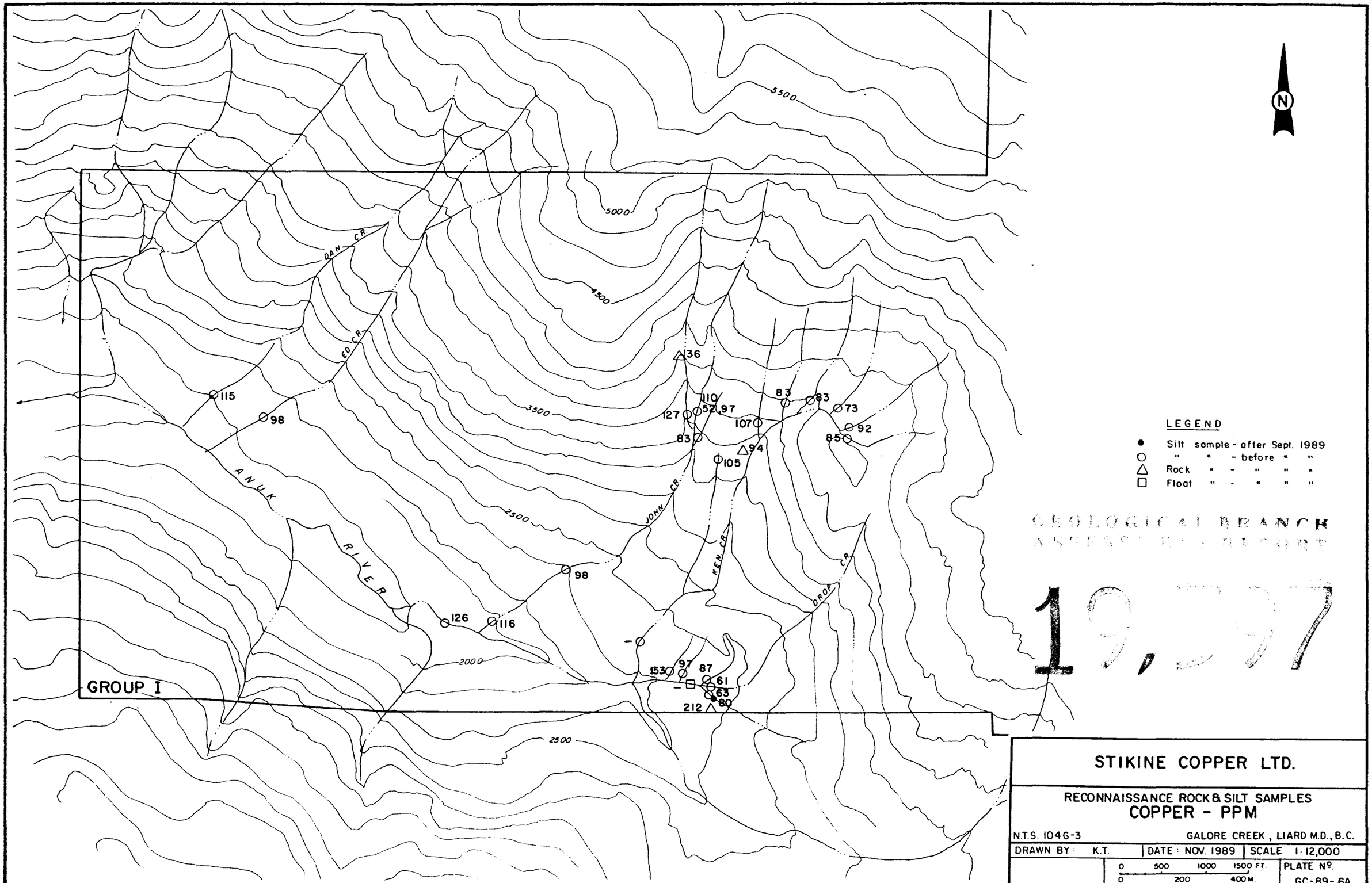
N.T.S. 104G-3 GALORE CREEK, LIARD M.D., B.C.

DRAWN BY: K.T. | DATE: NOV. 1989 | SCALE 1:5000

0 300 600 FT.
0 100 200 M.

PLATE Nº. GC 89-7

CHONG



N

LEGEND

- ● Silt sample - after Sept. 1989
- ○ " " - before " "
- △ Rock " - " " "
- □ Float " - " " "

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,797

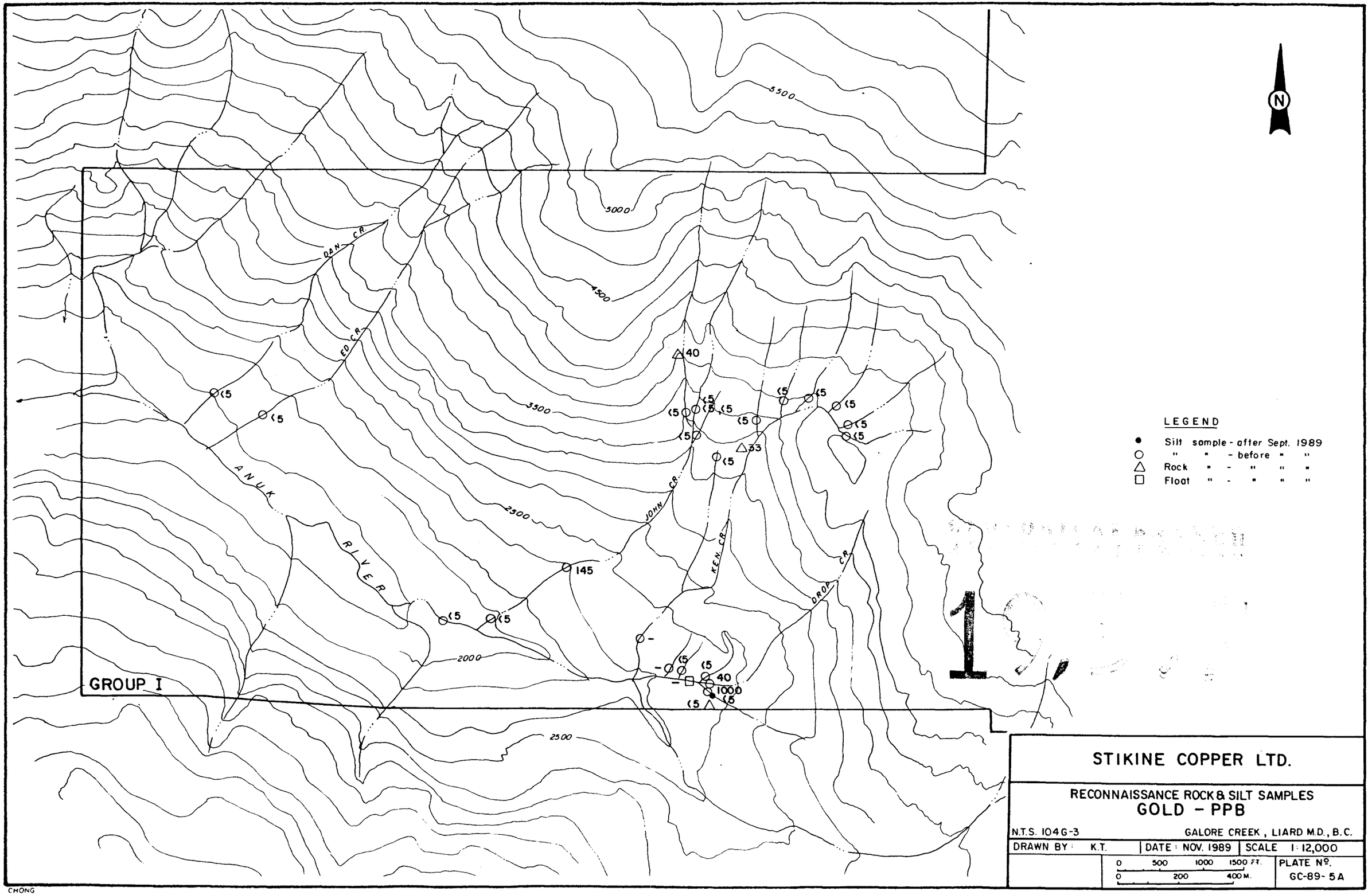
STIKINE COPPER LTD.

RECONNAISSANCE ROCK & SILT SAMPLES
COPPER - PPM

N.T.S. 104G-3 GALORE CREEK, LIARD M.D., B.C.

DRAWN BY: K.T.	DATE: NOV. 1989	SCALE 1:12,000
	0 500 1000 1500 FT. / 0 200 400 M.	PLATE Nº. GC-89-6A

CHONG



STIKINE COPPER LTD.

RECONNAISSANCE ROCK & SILT SAMPLES
GOLD - PPB

N.T.S. 104G-3 GALORE CREEK, LIARD M.D., B.C.

DRAWN BY: K.T. | DATE: NOV. 1989 | SCALE 1:12,000

0 500 1000 1500 FT.
0 200 400 M.

PLATE Nº. GC-89-5A

CHONG

5500
5000
4500
3500
2300
2000
2500
QAN CR.
ED CR.
ANUK
RIVER
JOHN CR.
KEN CR.
DROP CR.
C072X
M025X
T011R
M013X
M014,15R
T012X
M010X
T008X
M008X
T009X
T007X
M012X
M009X
T010R
M011X
M016X
T014X
T013X
C074X
C073X
M026X
M027X
M029X
M028R
M030X
M189X
M031R
GROUP I

N

LEGEND

- ● Silt sample - after Sept. 1989
- ○ " " - before " "
- △ Rock " - " " "
- □ Float " - " " "

GEOLOGICAL BRANCH
ASSESSMENT REPORT

10,707

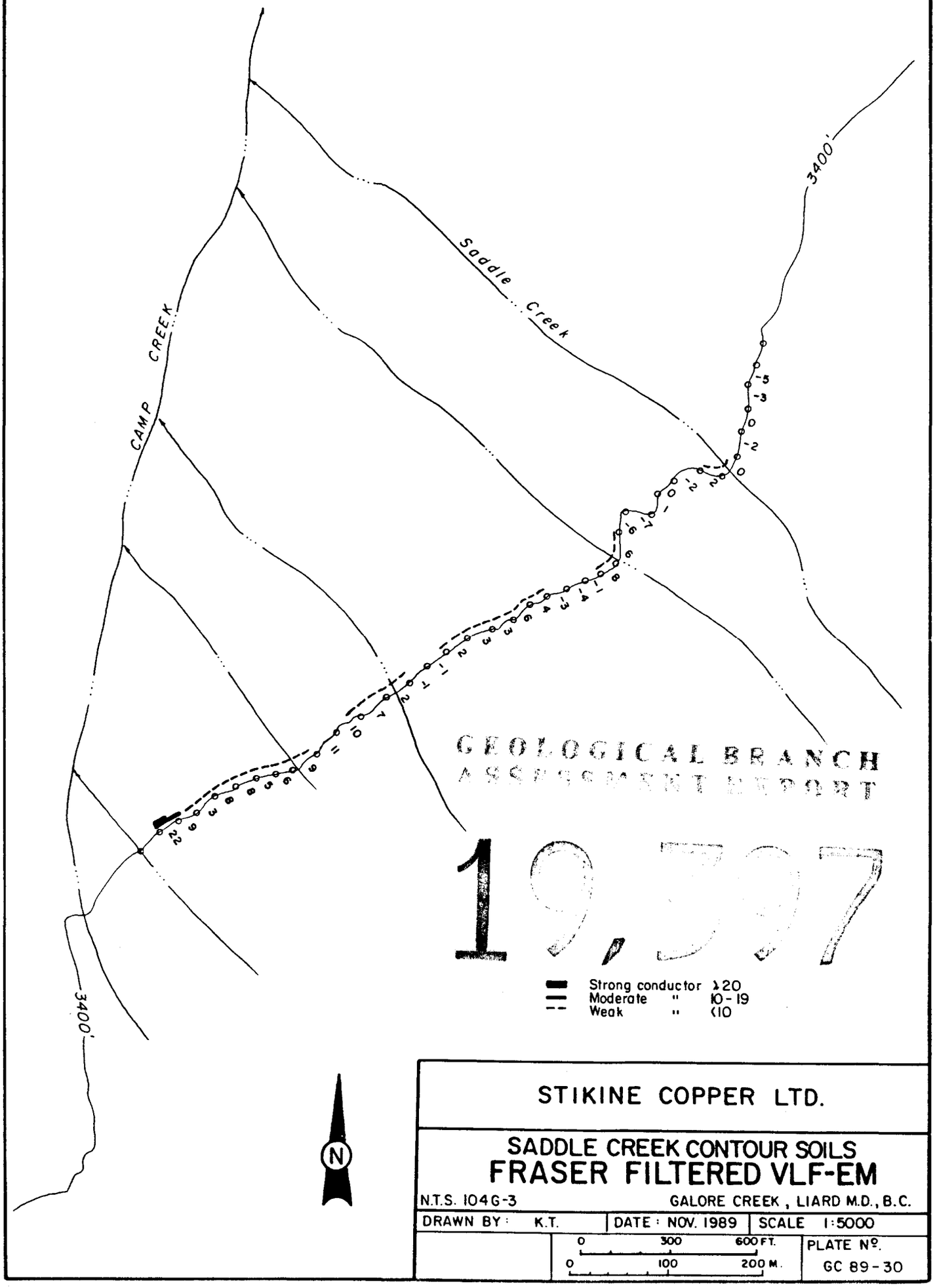
STIKINE COPPER LTD.

RECONNAISSANCE ROCK & SILT SAMPLES
SAMPLE NUMBERS

N.T.S. 104G-3 GALORE CREEK, LIARD M.D., B.C.

DRAWN BY: K.T.	DATE: NOV. 1989	SCALE 1:12,000
	0 500 1000 1500 FT. / 0 200 400 M.	PLATE Nº. GC-89-4A

CHONG



STIKINE COPPER LTD.

SADDLE CREEK CONTOUR SOILS
FRASER FILTERED VLF-EM

N.T.S. 104G-3 GALORE CREEK, LIARD M.D., B.C.

DRAWN BY: K.T.	DATE: NOV. 1989	SCALE 1:5000
	0 300 600 FT. / 0 100 200 M.	PLATE Nº. GC 89-30

Horsefly Cr.

Little Creek

Left Creek

Right Creek

Up Creek

Down Creek

Southwest Creek

Airstrip Creek

AIRSTRIP

Road

AREA SHOWN ON FIG. 4

6 W 4W 2W 0+00 2E

4+00N 2+00N 0+00N 2+00 S 4+00 S 6+00S

LEGEND

o Soil sample location – before Sept. 1989

• " " " – after " "

N

Tx Maine

STIKINE COPPER LTD.

SOUTHWEST ZONE GRID
FRASER FILTERED VLF - EM

N.T.S. 104G-3 GALORE CREEK, LIARD M.D., B.C.

DRAWN BY: K.T.	DATE: NOV. 1989	SCALE 1:5000
	0 300 600 FT. / 0 100 200 M.	PLATE Nº. GC 89-29

CHONG

LEGEND

- Soil sample before Sept. 1989
- " " after " "
- Trench
- Diamond drill hole

STIKINE COPPER LTD.

NORTH RIM - DDH 128 GRID
FRASER FILTERED VLF-EM (Seattle)

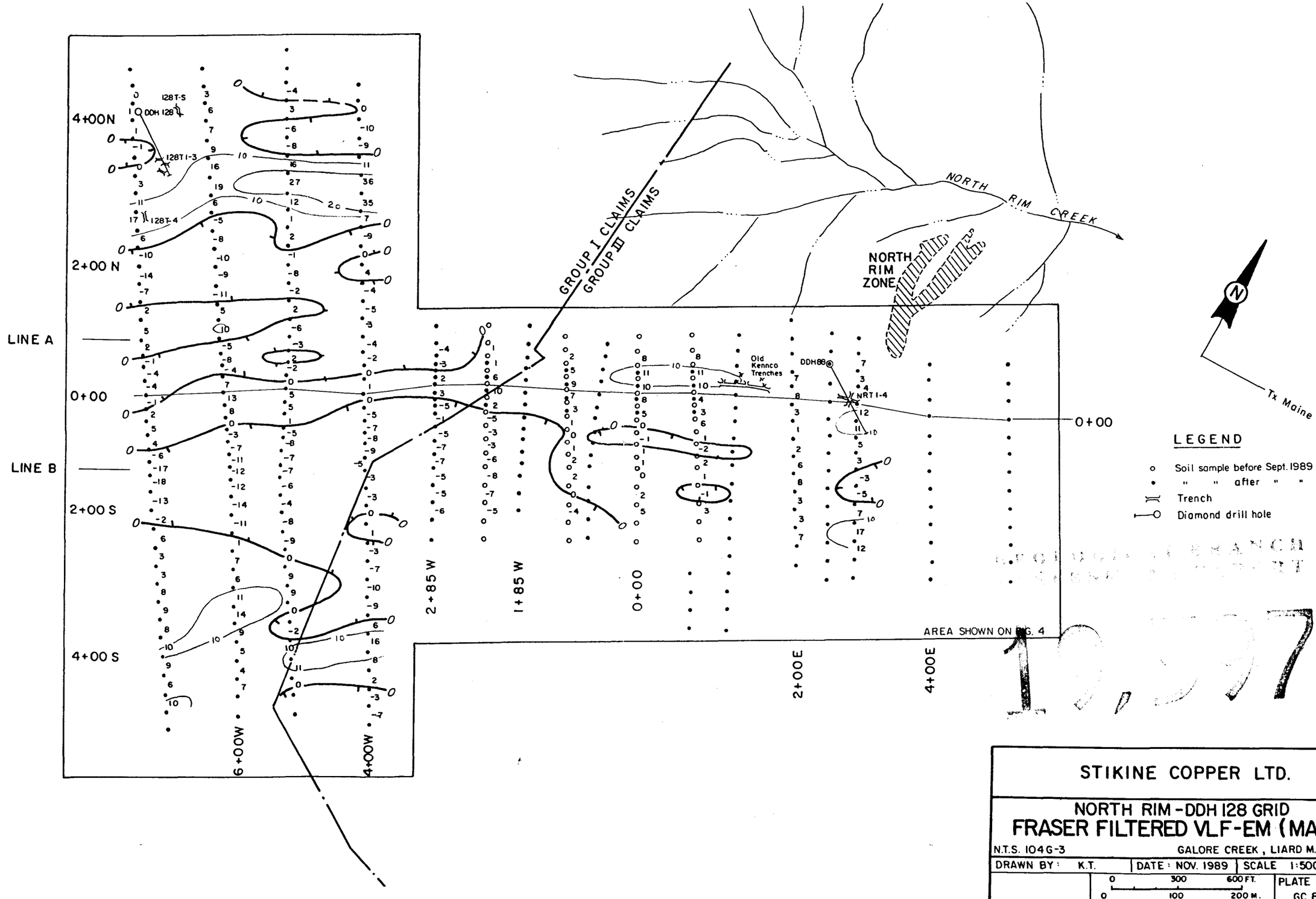
N.T.S. 104G-3 GALORE CREEK, LIARD M.D., B.C.

DRAWN BY: K.T.	DATE: NOV. 1989	SCALE 1:5000

0 300 600 FT.
0 100 200 M.

PLATE Nº. GC 89-28

CHONG



STIKINE COPPER LTD.

NORTH RIM - DDH 128 GRID

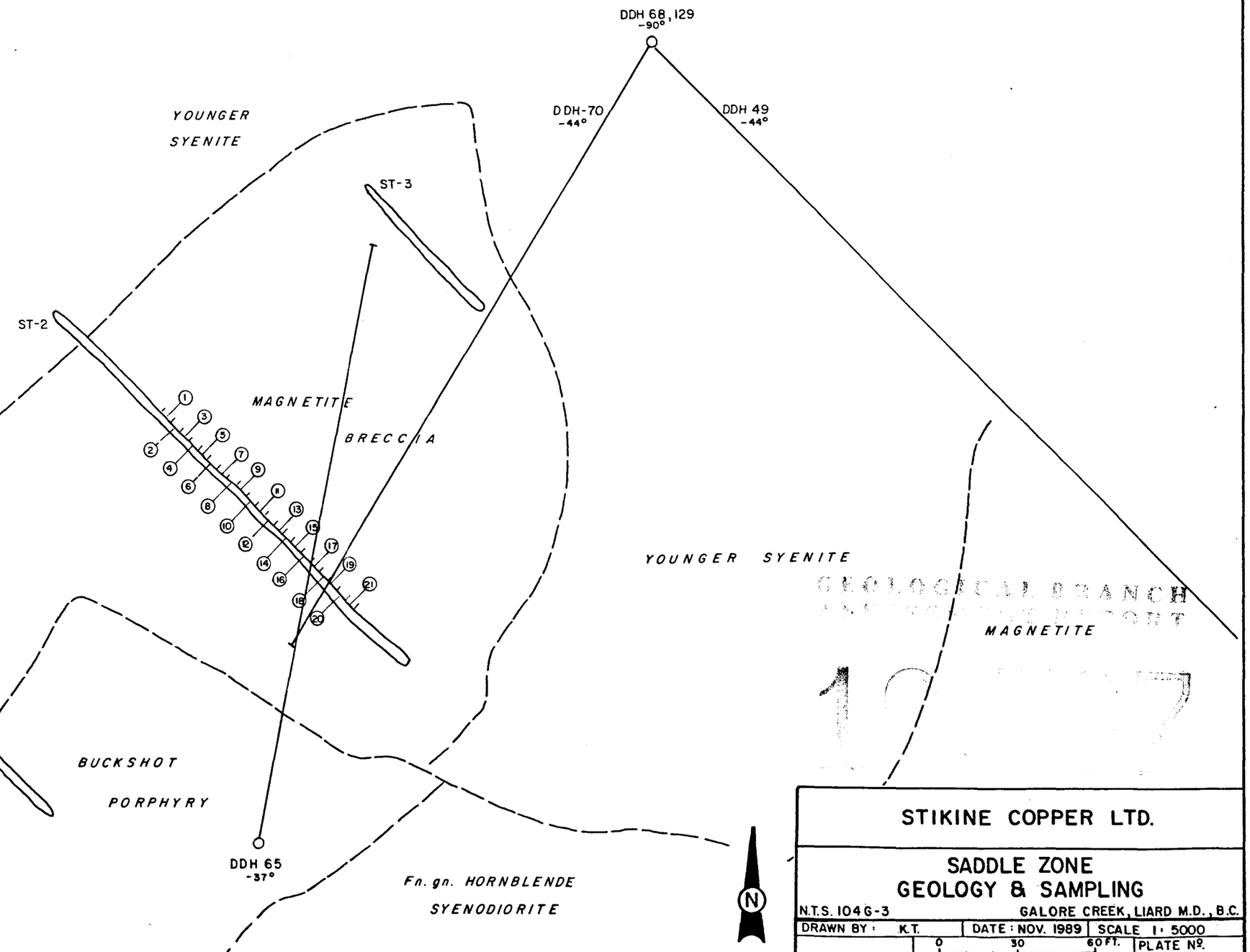
FRASER FILTERED VLF-EM (MAINE)

N.T.S. 104G-3 GALORE CREEK, LIARD M.D., B.C.

DRAWN BY: K.T.	DATE: NOV. 1989	SCALE 1:5000
	0 300 600 FT. / 0 100 200 M.	PLATE Nº. GC 89-27

CHONG

Sample number	Width, m	Au, oz/t	Cu, %
① TGC 104G 3195R	1.52	.004	.26
② 196R	"	.004	.29
③ 197R	"	.020	.51
④ 198R	"	.057	1.06
⑤ 199R	"	.330	5.36
⑥ 200R	"	.302	3.46
⑦ 201R	"	.566	2.15
⑧ 202R	"	.192	2.37
⑨ 203R	"	.463	2.25
⑩ 204R	"	.134	1.42
⑪ 205R	"	.104	1.04
⑫ 206R	"	.144	1.20
⑬ 207R	"	.284	3.58
⑭ 208R	"	.072	1.33
⑮ 209R	"	.281	1.71
⑯ 210R	"	.080	1.04
⑰ 211R	"	.087	1.28
⑱ 212R	"	.146	1.66
⑲ 213R	"	.460	2.28
⑳ 214R	"	.116	1.50
㉑ 215R	1.37	.174	1.19



STIKINE COPPER LTD.

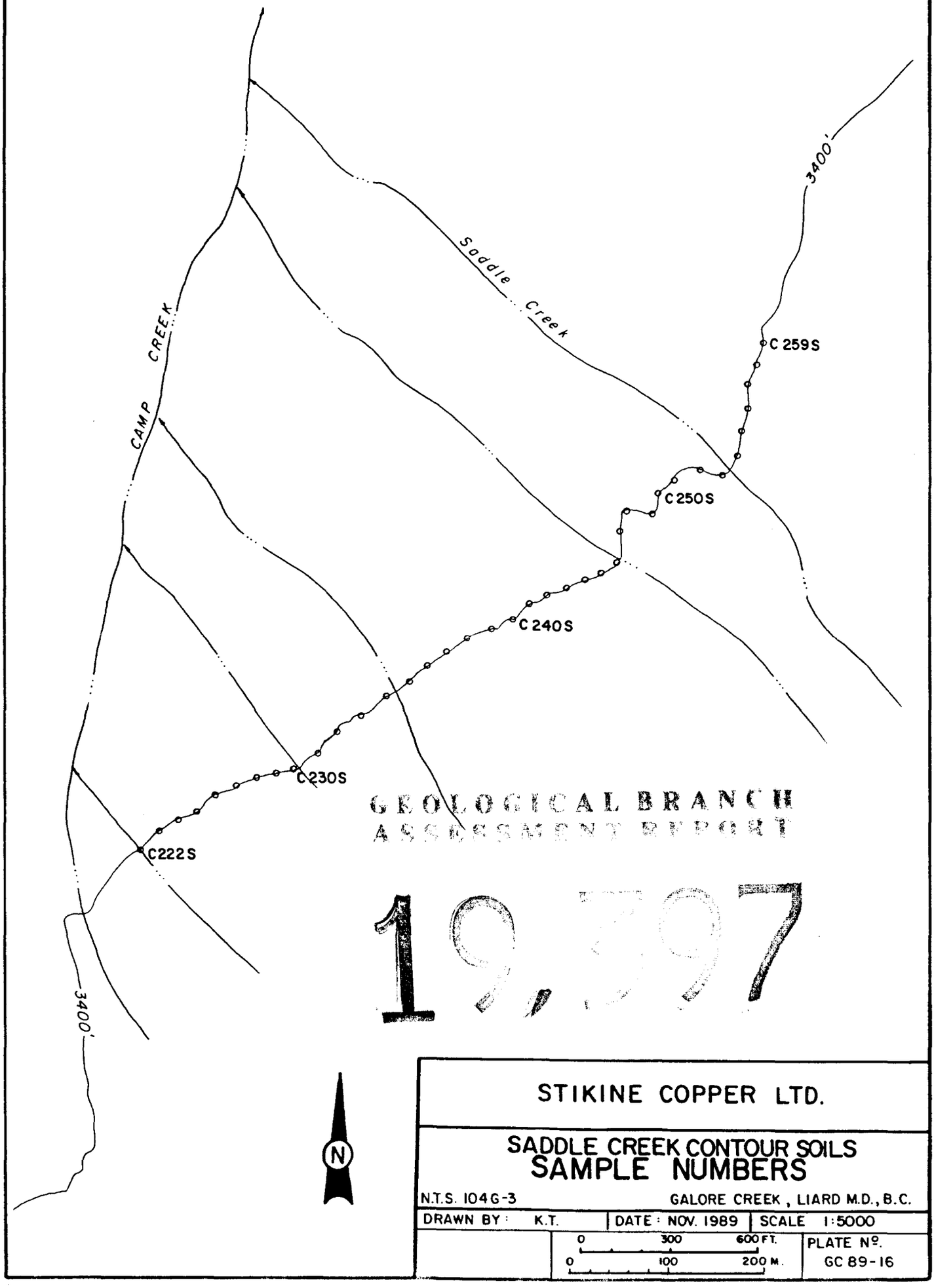
SADDLE ZONE
GEOLOGY & SAMPLING

N.T.S. 104G-3 GALORE CREEK, LIARD M.D., B.C.

DRAWN BY: K.T. | DATE: NOV. 1989 | SCALE 1: 5000

0 30 60 FT.
0 10 20 M.

PLATE No. GC 89-26

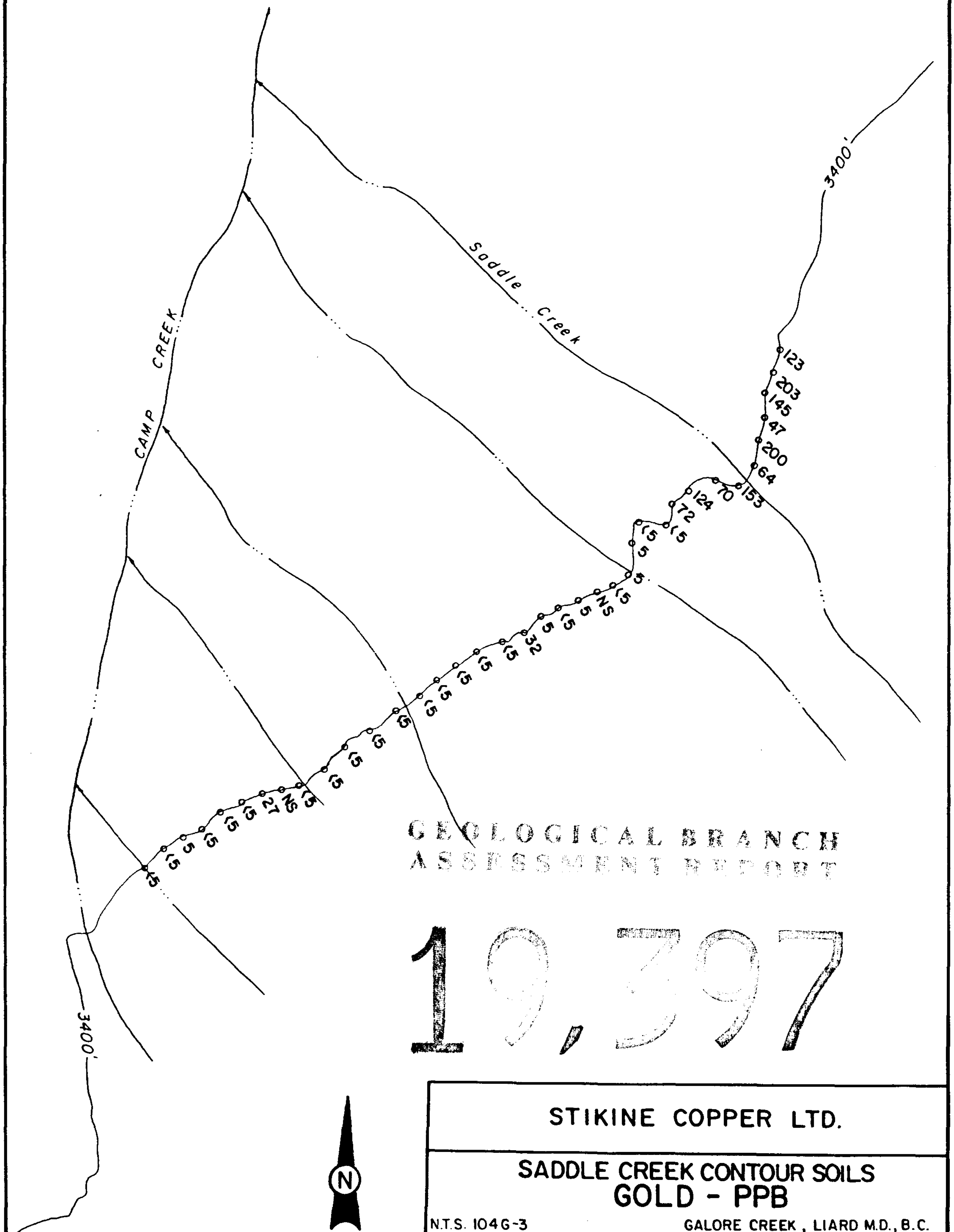


STIKINE COPPER LTD.

SADDLE CREEK CONTOUR SOILS SAMPLE NUMBERS

N.T.S. 104G-3 GALORE CREEK, LIARD M.D., B.C.

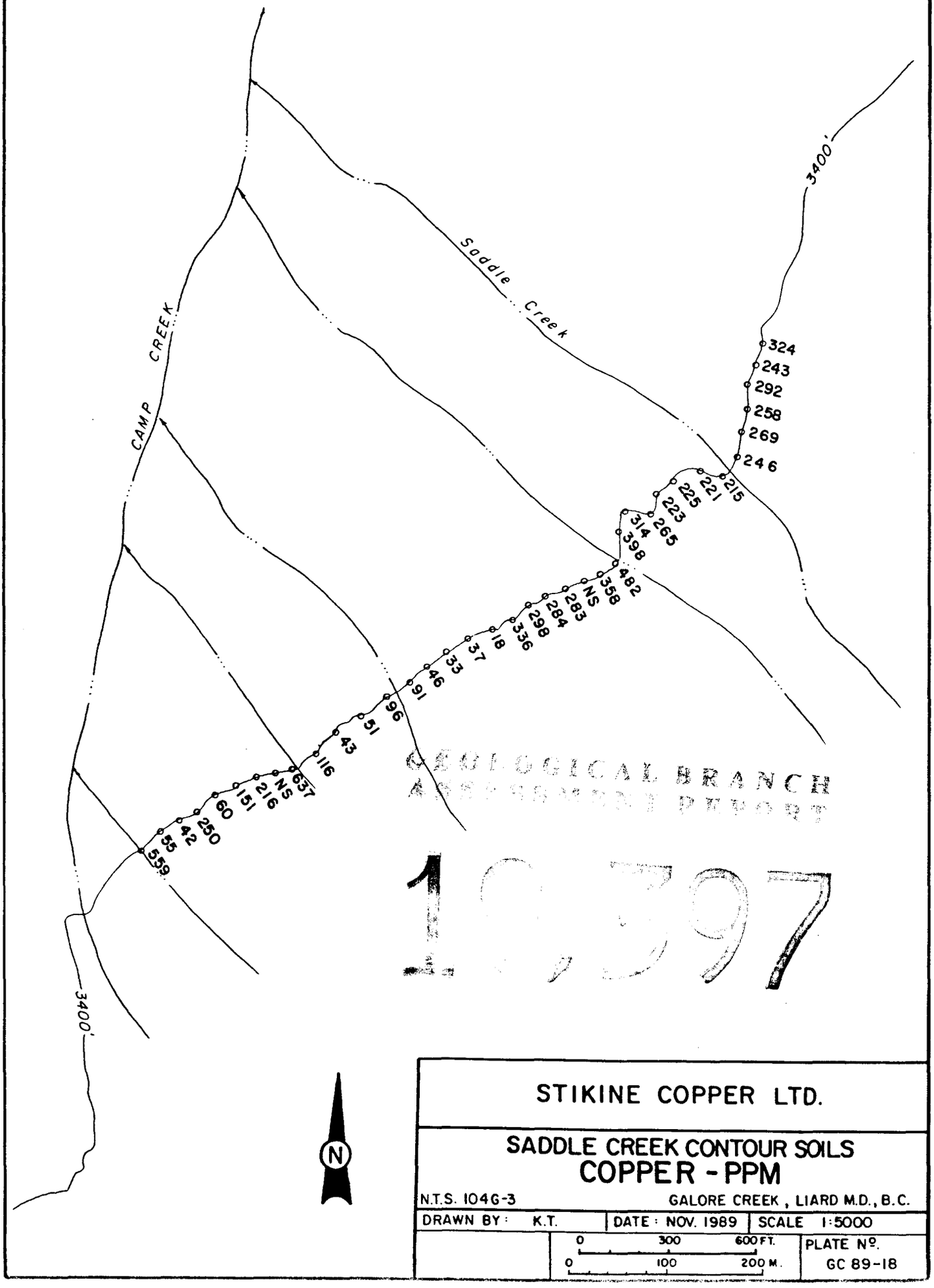
DRAWN BY: K.T.	DATE: NOV. 1989	SCALE 1:5000
	0 300 600 FT. / 0 100 200 M.	PLATE Nº. GC 89-16



STIKINE COPPER LTD.

SADDLE CREEK CONTOUR SOILS
GOLD - PPB

N.T.S. 104G-3	GALORE CREEK, LIARD M.D., B.C.	
DRAWN BY: K.T.	DATE: NOV. 1989	SCALE 1:5000
	0 300 600 FT. / 0 100 200 M.	PLATE No. GC 89-17

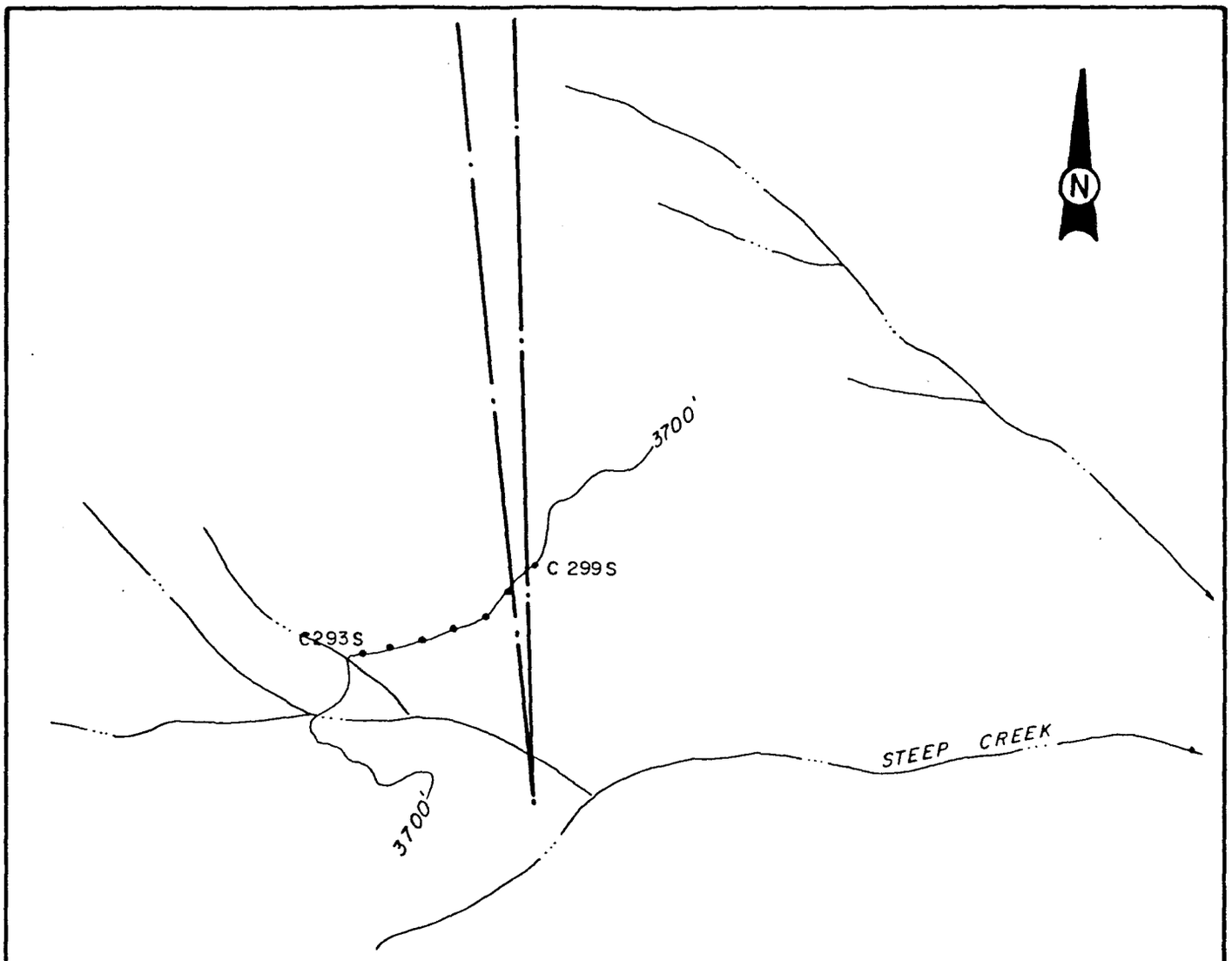


STIKINE COPPER LTD.

SADDLE CREEK CONTOUR SOILS
COPPER - PPM

N.T.S. 104G-3 GALORE CREEK, LIARD M.D., B.C.

DRAWN BY: K.T.	DATE: NOV. 1989	SCALE 1:5000
	0 300 600 FT. / 0 100 200 M.	PLATE Nº. GC 89-18



LEGEND

o Soil sample location – before Sept. 1989

• " " " – after " "

1 8797

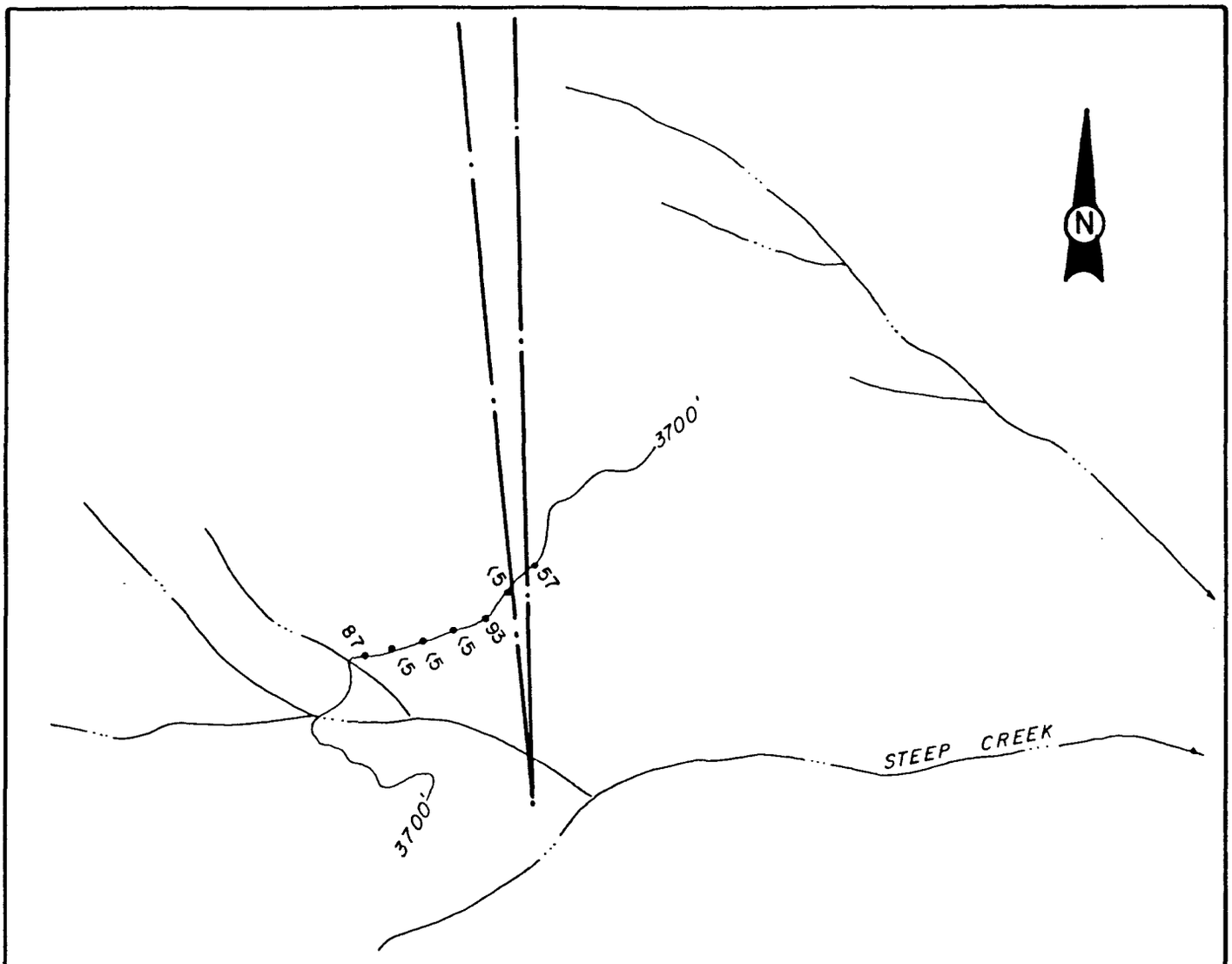
NORTH RIM CREEK

STIKINE COPPER LTD.

STEEP CREEK ZONE
SAMPLE NUMBERS

N.T.S. 104G-3 GALORE CREEK, LIARD M.D., B.C.

DRAWN BY: K.T.	DATE: NOV. 1989	SCALE 1:5000
	0 300 600 FT. / 0 100 200 M.	PLATE Nº. GC 89-19



ASSESSMENT REPORT

19,397

LEGEND

o Soil sample location – before Sept. 1989

• " " " – after " "

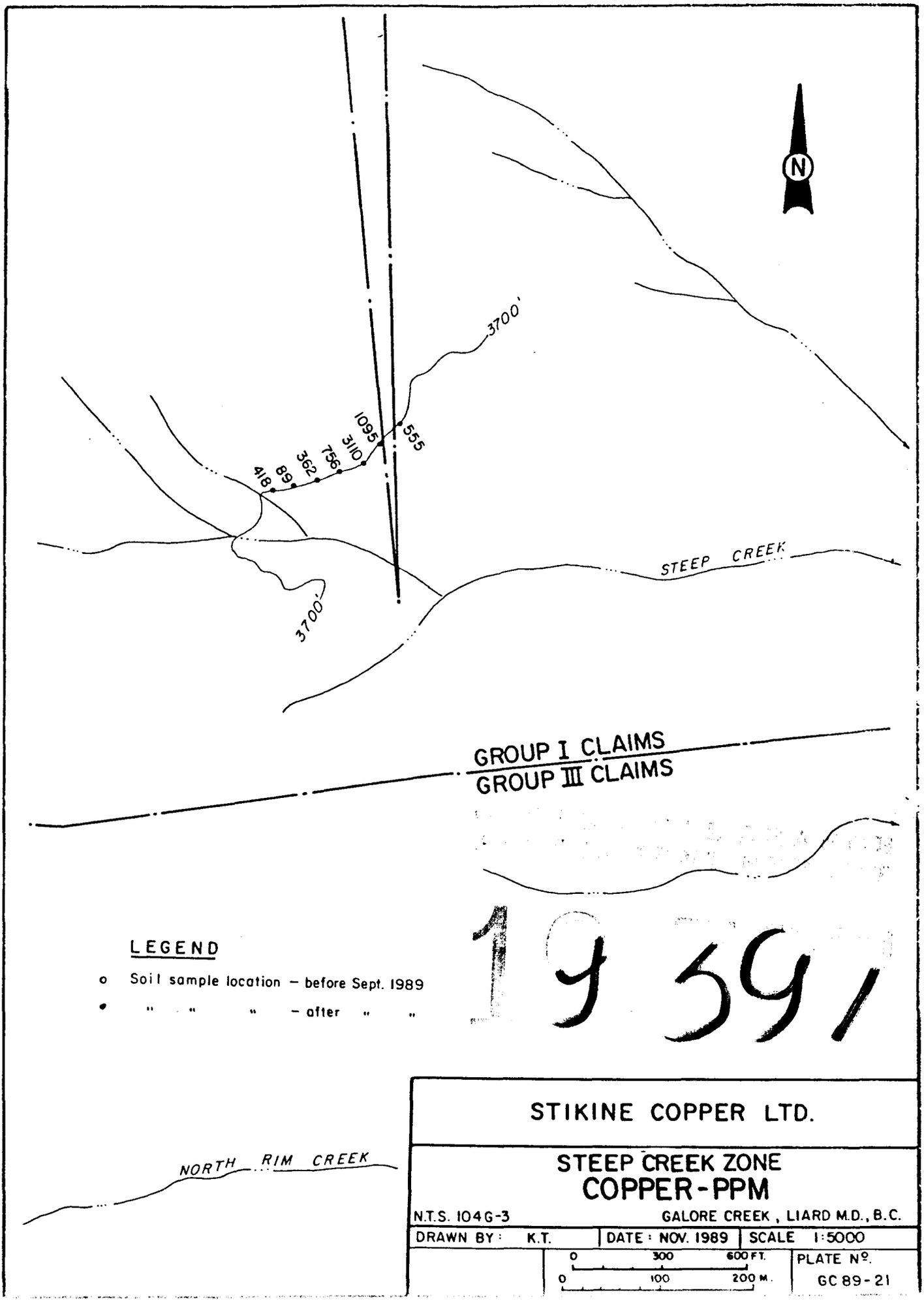
STIKINE COPPER LTD.

STEEP CREEK ZONE

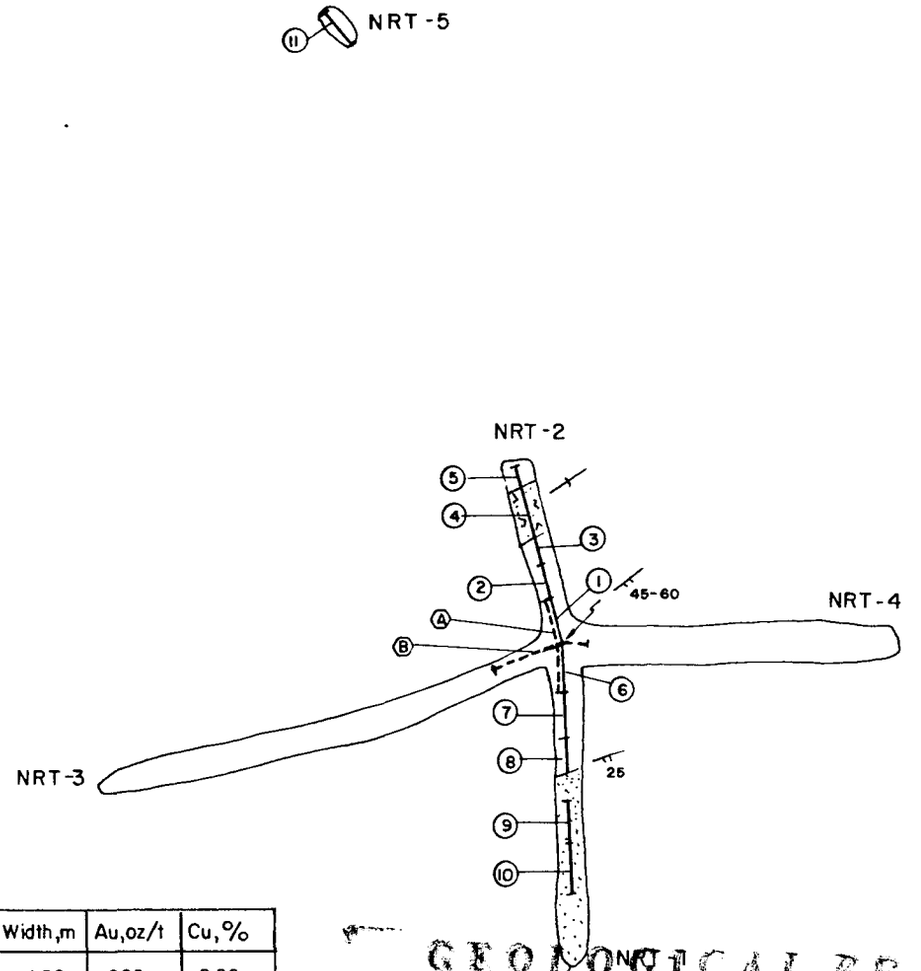
GOLD - PPB

N.T.S. 104G-3 GALORE CREEK, LIARD M.D., B.C.

DRAWN BY: K.T.	DATE: NOV. 1989	SCALE 1:5000
	0 300 600 FT. / 0 100 200 M.	PLATE Nº. GC 89-20


N
3700'
555
1095
3110
756
362
89
418
STEEP CREEK
3700'
GROUP I CLAIMS
GROUP III CLAIMS
LEGEND
o Soil sample location – before Sept. 1989
• " " " – after " "
NORTH RIM CREEK
STIKINE COPPER LTD.
STEEP CREEK ZONE
COPPER-PPM
N.T.S. 104G-3
GALORE CREEK, LIARD M.D., B.C.
DRAWN BY: K.T.
DATE: NOV. 1989
SCALE 1:5000
0 300 600 FT.
0 100 200 M.
PLATE Nº.
GC 89-21

1991



Sample number	Width,m	Au,oz/t	Cu,%
(1) TGC104G3133R	1.52	.285	2.26
(2) 134R	1.22	.224	2.70
(3) 135R	.88	.017	.15
(4) 136R	1.80	.008	.15
(5) 137R	.67	.189	.26
(6) 138R	1.52	.341	2.57
(7) 139R	1.52	.251	2.79
(8) 143R	1.22	.202	1.39
(9) 144R	1.52	N.A.	N.A.
(10) 145R	1.68	.004	.06
(11) 146R	1.52	.003	.04
(A) YG104G3010R	3.05	.38	2.28
(B) 011R	3.44	.36	3.06

LEGEND

- Porphyritic andesite dyke
- Siderite-quartz ? altered volcanic
- Epi-syenite porphyry

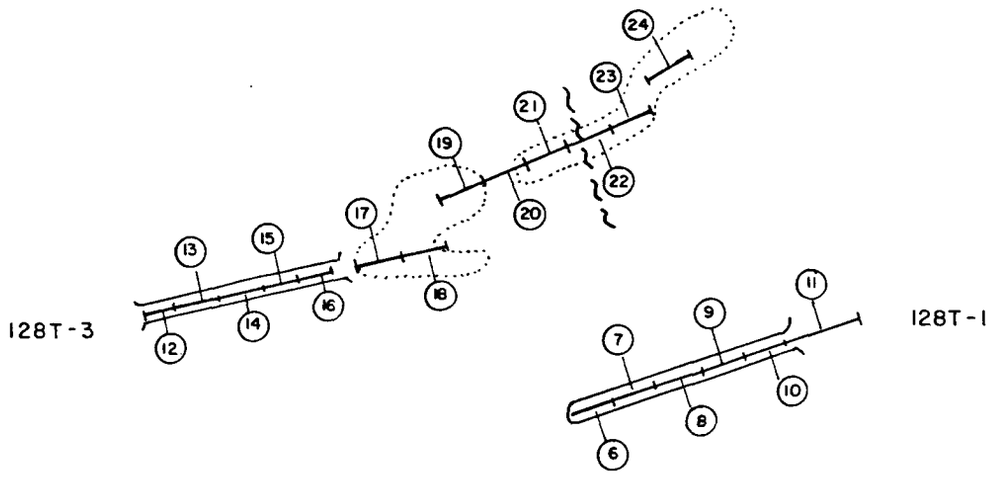
STIKINE COPPER LTD.

NORTH RIM TRENCHES GEOLOGY & SAMPLING

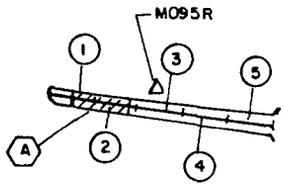
N.T.S. 104 G-3 GALORE CREEK, LIARD M.D., B.C.

DRAWN BY: K.T.	DATE: NOV. 1989	SCALE 1:250
	0 15 30 FT. / 0 5 10 M.	PLATE Nº. GC 89-22

CHONG



Sample number	Width, m.	Au, oz/t.	Cu, %
(1) TGC104G3156R	1.52	.039	.75
(2) 157R	1.52	.369	1.67
(3) 158R	1.52	.200	1.79
(4) 159R	1.52	.038	.97
(5) 160R	1.52	.002	.19
(6) 161R	1.52	.083	.88
(7) 162R	1.52	.080	.91
(8) 163R	1.52	.153	1.68
(9) 164R	1.52	.018	.63
(10) 165R	1.52	.003	.38
(11) 166R	2.59	.001	.02
(12) 167R	1.07	<.001	.29
(13) 168R	1.52	.016	.05
(14) 169R	1.52	.003	.02
(15) 170R	1.22	.008	.03
(16) 171R	1.22	.007	.03
(17) 172R	1.52	<.001	.001
(18) 173R	1.52	<.001	.003
(19) 174R	1.52	.011	.08
(20) 175R	1.52	.015	.15
(21) 176R	1.52	.024	.10
(22) 177R	1.52	.073	.72
(23) 178R	1.52	.030	.21
(24) 179R	1.52	.025	.12
(A) 184R	Bulk	.142	1.75



STIKINE COPPER LTD.

DDH 128 TRENCHES 1, 2 & 3
GEOLOGY & SAMPLING

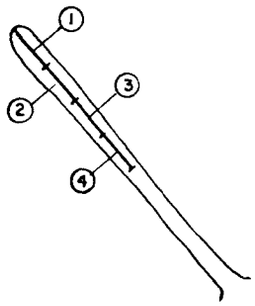
N.T.S. 104 G-3 — GALORE CREEK, LIARD M.D., B.C.

DRAWN BY: K.T.	DATE: NOV. 1989	SCALE 1:250

0 15 30 FT.
0 5 10 M.

PLATE No. GC 89-23

CHONG



128T-4

Sample number	Width,m	Au, oz/t	Cu,%
① TGC104G3185R	1.52	.027	.18
② 186R	1.52	.035	.44
③ 187R	1.52	.061	.27
④ 188R	1.52	.056	.19

N

STIKINE COPPER LTD.

DDH 128 TRENCH 4
GEOLOGY & SAMPLING

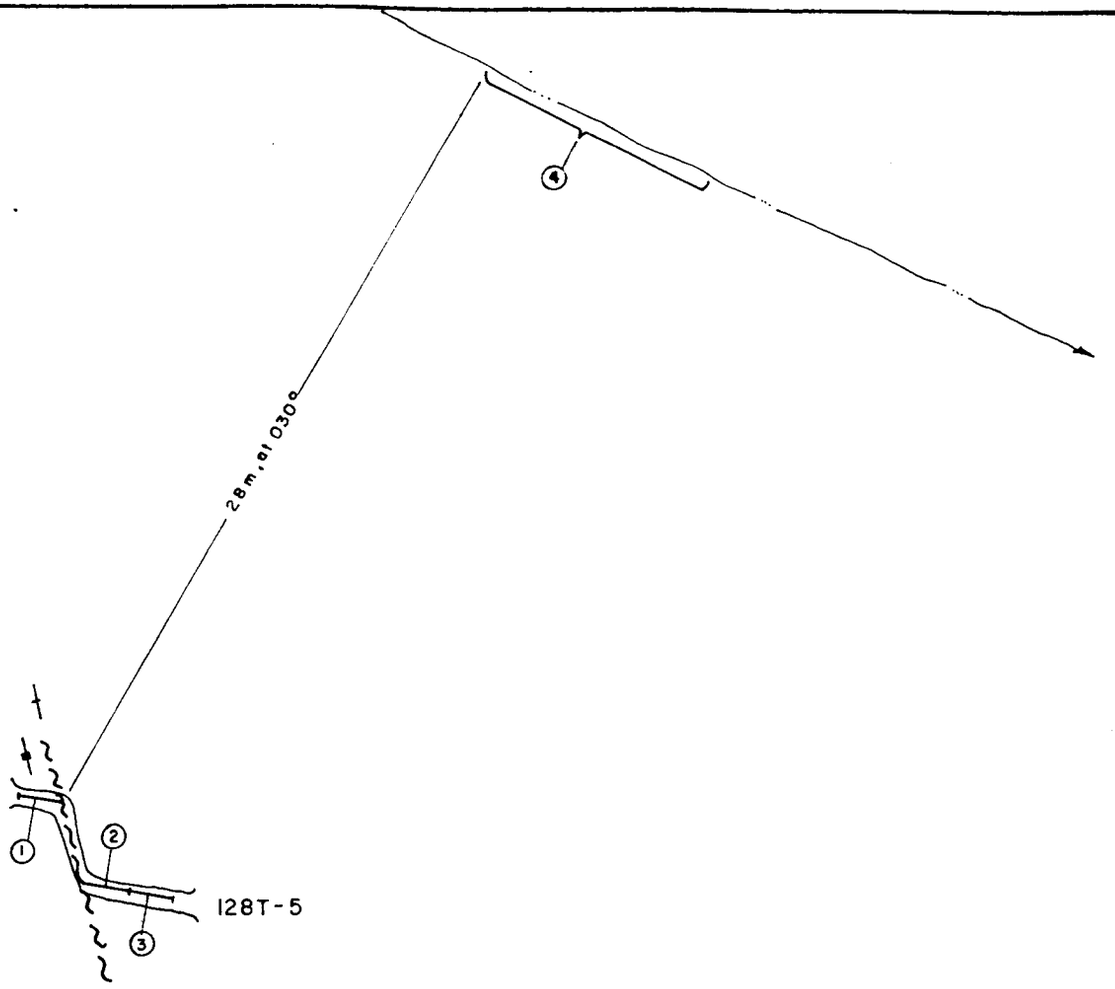
N.T.S. 104 G-3 GALORE CREEK, LIARD M.D., B.C.

DRAWN BY : K.T.	DATE : NOV. 1989	SCALE 1:250

0 15 30 FT.
0 5 10 M.

PLATE Nº. GC 89-24

CHONG



Sample number	Width, m	Au, oz/t	Cu, %
① TGC104G3180R	1.52	.001	.03
② 181R	1.52	.009	.53
③ 182R	1.52	.008	.12
④ 183R	Every .46m for 8.23m	.032	.28

STIKINE COPPER LTD.

DDH 128 TRENCH 5
GEOLOGY & SAMPLING

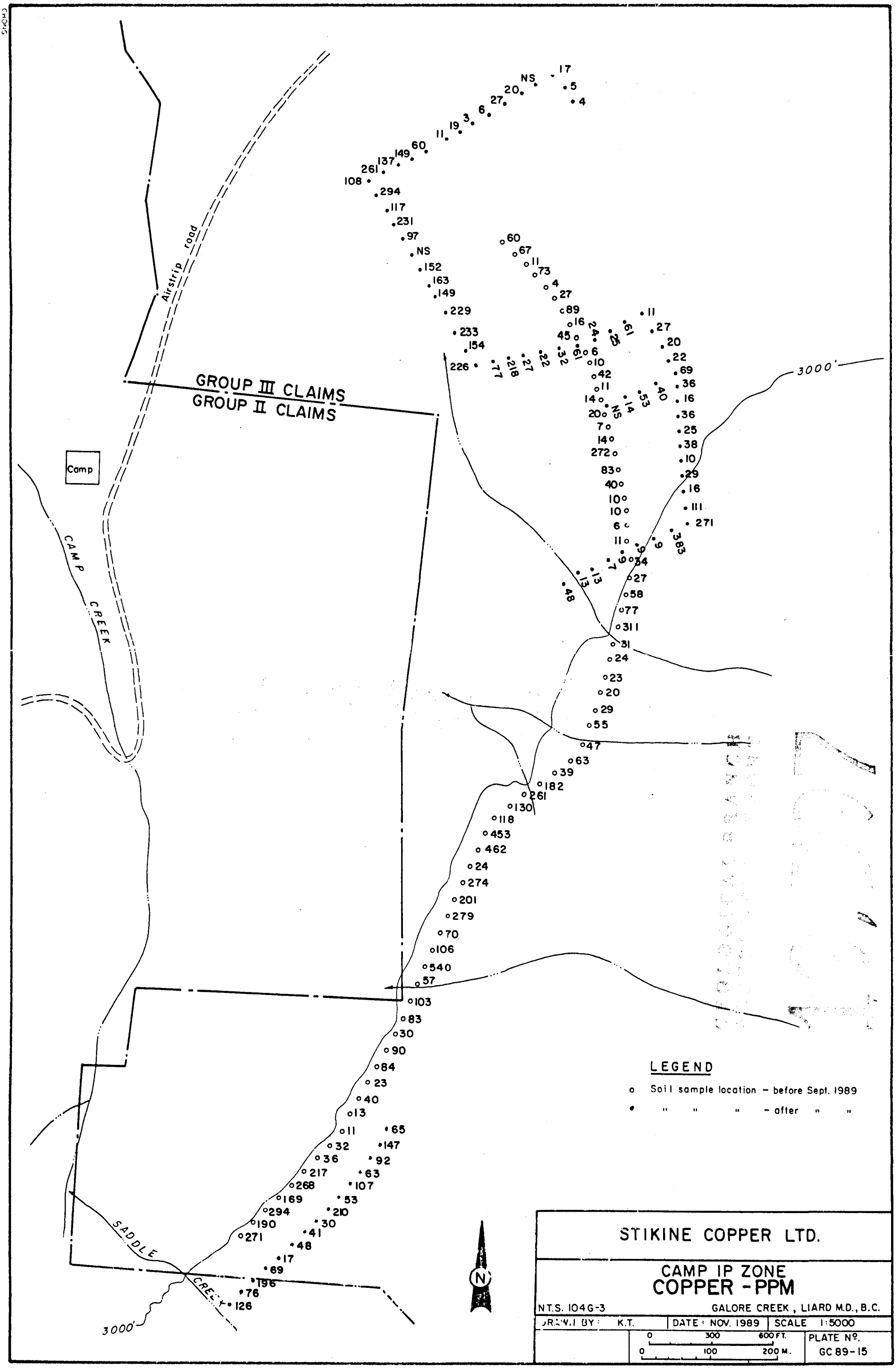
N.T.S. 104G-3 GALORE CREEK, LIARD M.D., B.C.

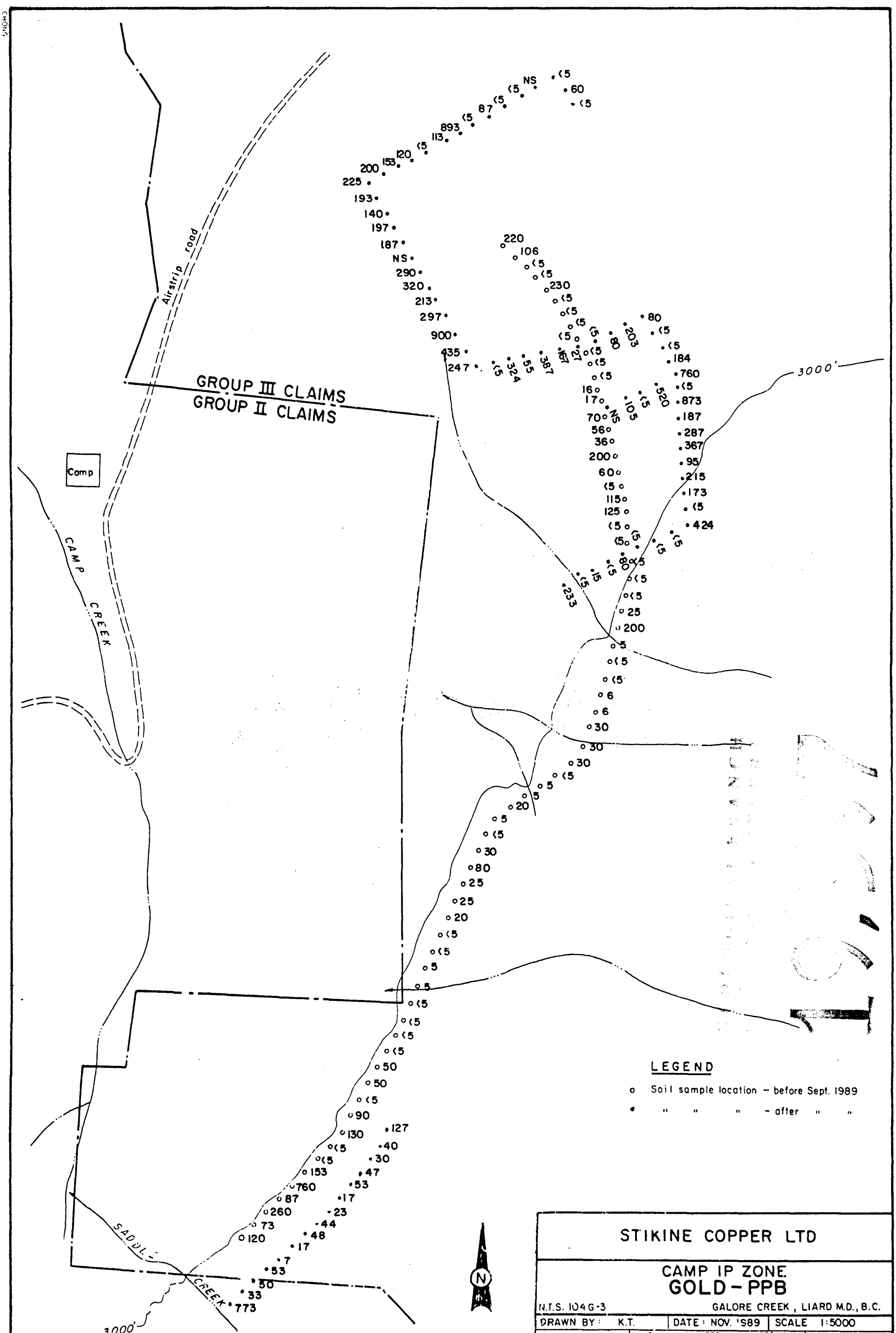
DRAWN BY: K.T. | DATE: NOV. 1989 | SCALE 1:250

0 15 30 FT.
0 5 10 M.

PLATE Nº. GC 89-25

CHONG


Airstrip road
Camp
CAMP CREEK
SADDLE CREEK
GROUP III CLAIMS
GROUP II CLAIMS
3000'
3000'
17
NS
20
5
27
4
6
3
19
11
60
149
137
261
108
294
117
231
97
NS
152
163
149
229
233
154
226
77
218
27
22
32
60
67
11
73
4
27
89
16
45
24
61
6
10
25
61
11
27
42
20
11
22
14
NS
69
20
53
40
7
36
14
16
272
36
83
25
40
38
10
10
29
6
16
111
11
271
383
9
9
9
7
54
13
13
48
27
58
77
311
31
24
23
20
29
55
47
63
39
182
261
130
118
453
462
24
274
201
279
70
106
540
57
103
83
30
90
84
23
40
13
11
65
32
147
36
92
217
63
268
107
169
53
294
210
190
30
271
41
48
17
69
196
76
126
N
LEGEND
o Soil sample location – before Sept. 1989
• " " " – after " "
STIKINE COPPER LTD.
CAMP IP ZONE
COPPER - PPM
N.T.S. 104G-3
GALORE CREEK, LIARD M.D., B.C.
DRAWN BY: K.T.
DATE: NOV. 1989
SCALE 1:5000
0 300 600 FT.
0 100 200 M.
PLATE No.
GC 89-15


Airstrip road
Camp
CAMP CREEK
SADDLE CREEK
GROUP III CLAIMS
GROUP II CLAIMS
3000'
3000'
NS 60 87 893 113 120 153 200 225 193 140 197 187 NS 290 320 213 297 900 435 247 324 55 387 167 27 220 106 230 80 203 184 760 873 187 287 367 95 215 173 424 520 105 233 15 80 25 200 6 30 20 127 40 30 47 53 17 23 44 48 7 33 773 73 120 260 153 760 87 90 130 50 NS
LEGEND
o Soil sample location – before Sept. 1989
• " " " – after " "
N
STIKINE COPPER LTD
CAMP IP ZONE.
GOLD – PPB
N.T.S. 104G-3
GALORE CREEK, LIARD M.D., B.C.
DRAWN BY: K.T.
DATE: NOV. '89
SCALE 1:5000
0 300 600 FT.
0 100 200 M.
PLATE Nº.
GC 89-14