87-401 — 16142
4/88

GEOLOGICAL, SELF POTENTIAL AND GEOCHEMICAL SURVEY OF THE GREAT GOLD GROUP

NANIAMO MINING DIVISION

NTS: 92K/3W

[50° ~~13~~' NORTH, 125° ~~18~~' WEST]
12'42" 16'18"

OWNER: COLIN CAMPBELL

OPERATOR: ~~NATION RIVER RESOURCES LTD.~~

AUTHOR: COLIN CAMPBELL

JUNE 25, 1987

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,142

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1.0 SUMMARY

The Great Gold Group, located on the northern end of Quadra Island in the Naniamo Mining District, is underlain by Quatsino limestone with granitic rocks of the Coast Mountains Plutonic Complex to the east and Karmutsen volcanics to the west.

Geochemical, geophysical and geological surveys resulted in the location of significant skarn type copper-gold mineralization on the NAT #4 mineral claim. Three coincidential geophysical (magnetometer - self potential) and geochemical anomalies occur in the area surveyed.

2.0 INTRODUCTION - GREAT GOLD GROUP

On the northern end of Quadra Island some seventeen gold showings exist in a north-west trending belt of intermixed limestone and volcanic rocks. This 'belt', some eight miles long by a mile wide was prospected for gold during the early 1900's resulting in the discovery of the Lucky Jim property, which between 1908 and 1927 produced 520 tons of ore yielding 236 ounces of gold, 229 ounces of silver and 24,855 pounds of copper. Three crown granted claims covering the Lucky Jim property are now under option to Butler Mountain Mineral Corporation; recent drilling by Butler Mountain indicates 12.70 thousand tonnes 2% copper, 11 g/tonne gold and 17 g/tonne silver - (M.M.P.R. preliminary Map 65).

The 'belt' is in contact with intrusive rocks of the Coast Range Complex to the east. Along this contact skarn exists over several large areas. Although these areas have been prospected for copper, with indifferent results, they present a good target as skarn type gold deposits similiar to the new deposits being found at Battle Mountain, Nevada, i.e. the Surprise deposit of 125,000 ounces gold and the Tomboy auriferous tactite deposit containing 6 million tons of .15 ounce/ton gold. The 'belt' could also host a deposit similiar to Mascot Gold Mines' Nickel Plate deposit with open pit reserves of 8.3 million tons of .14 ounce/ton gold.

A prospecting program carried out by Colin Campbell during the spring of 1986 has resulted in the acquisition of some 3,600 acres of ground (Figure 3), relocation of several old showings, including an auriferous skarn zone grading .084 oz/ton gold, 2.34% copper, 1.04 oz/ton silver, .10% tungsten and .25% zinc across 9.14 metres. This skarn occurs along the flank of an S.P. anomaly some 1.5 kilometres long. Soil sampling indicates a copper soil anomaly of greater than 100 ppm over the portion of the S.P. anomaly sampled. On the north-west end of a second S.P. anomaly Hillside Energy Corporation's soil sampling in 1984 located a coincidental gold anomaly (Zone A).

2.0 INTRODUCTION - GREAT GOLD GROUP - Cont.

A short S.P. line on the pie-shaped fraction between the Lucky Jim and Rising Sun crown grants indicates the massive sulphide zone there has a -200 millivolt response, reinforcing the signifigance of the S.P. anomaly on the Great Gold Group.

During the fall of 1986 it was decided the results of the earlier programme merited further work. A twelve kilometre grid was established using the NAT #4 westerly location line as a base line; grid lines were turned off to the east and west at 100 and/or 200 metre intervals and stations were established at 25 metre intervals using a hip-chain and Silva compass. These lines were used to control a ground magnetic survey, an S.P. survey and the geological mapping.

This report covers both the preliminary and detailed work.

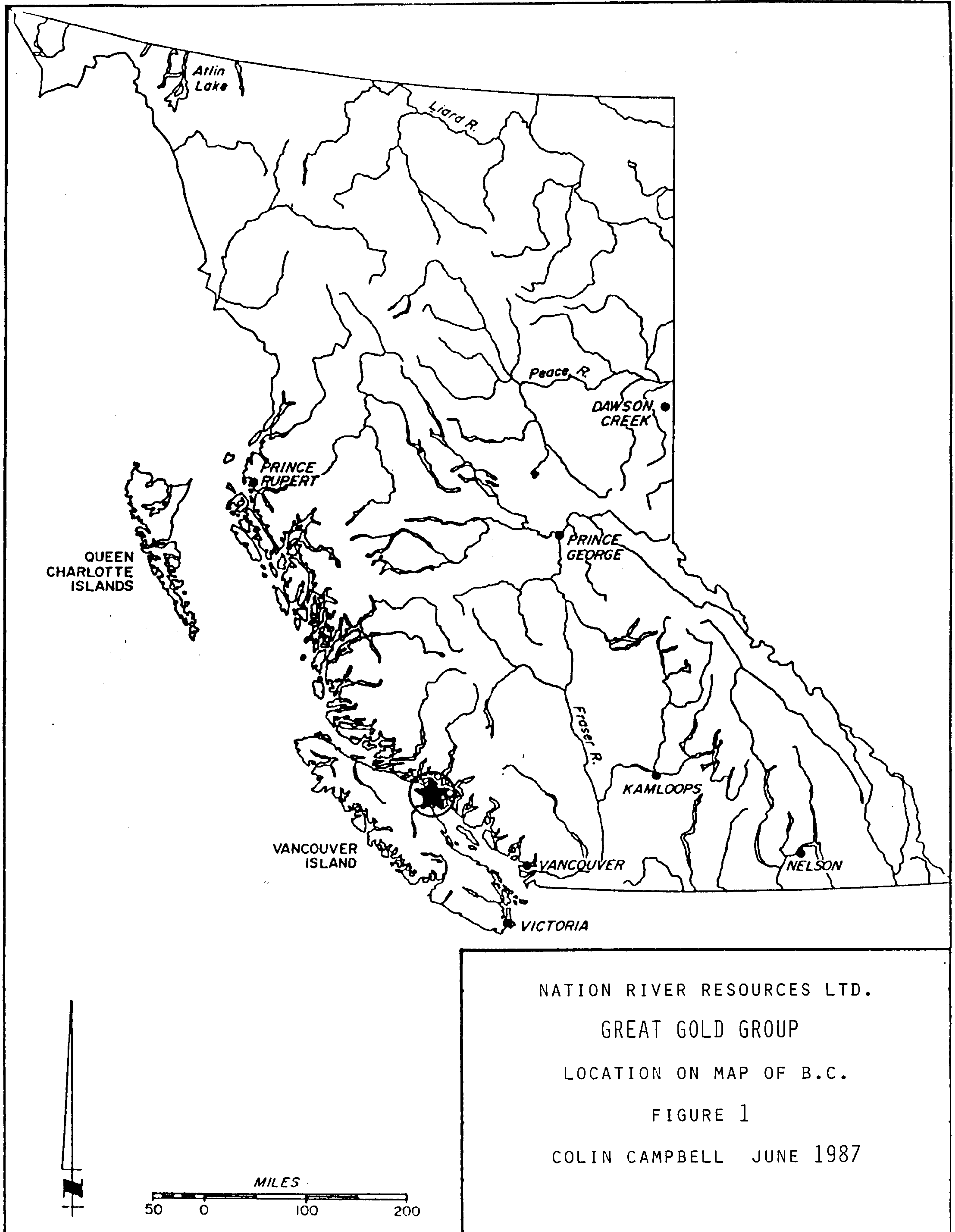
2.1 LOCATION and ACCESS

The Great Gold Property is located on the northern end of Quadra Island, south of Granite Bay and centered on 50°13'N & 125°18'W 92K/3W. Figures 1 and 2.

Access from Campbell River is by ferry to Quathiaski Cove, thence by good paved and gravel road for 24 kilometres to the property. The main road to Granite Bay cuts the center of the Great Gold Group; old trails and logging roads provide additional good access.

2.2 TOPOGRAPHY and VEGATATION

Topographic relief is moderate over most of the Great Gold Group with elevations ranging from 15 to 460 metres ASL. The Group is covered by second growth Douglas Fir, hemlock, spruce and, in low areas, alder. Underbrush is generally sparse but locally, in salmonberry and young cedar, it is dense.



NATION RIVER RESOURCES LTD.

GREAT GOLD GROUP

LOCATION ON MAP OF B.C.

FIGURE 1

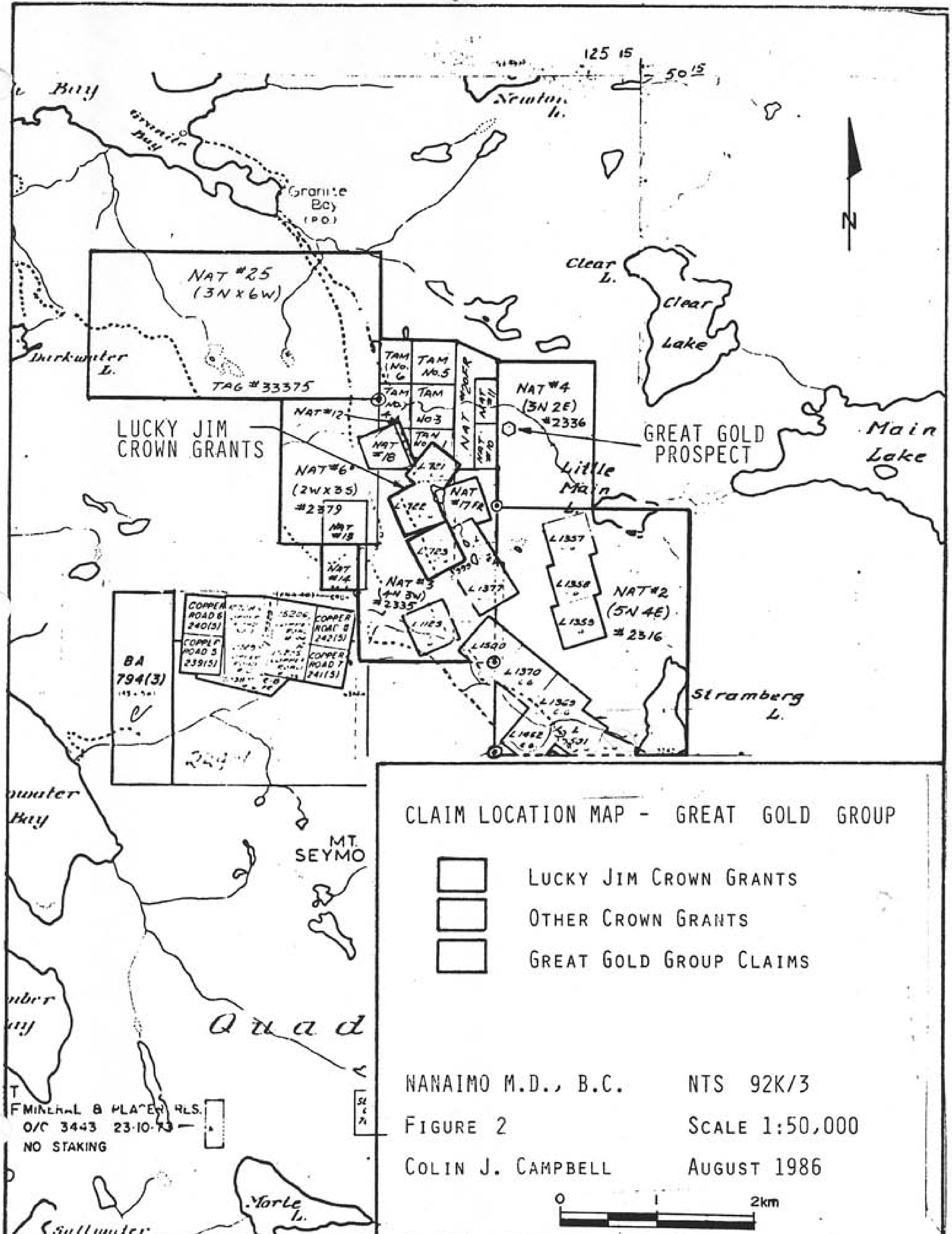
COLIN CAMPBELL JUNE 1987

2.3 CLAIM STATUS

The Great Gold Group consists of seventy-six modified grid units, two 2-post claims and two fractional claims as follows:

NAME OF CLAIM	NO.OF UNITS	RECORD NO.	EXPIRY DATE
NAT #2	20	2316	April 4, 1988
NAT #3	12	2335	May 8, 1989
NAT #4	6	2336	May 8, 1990
NAT #6	6	2379	May 23, 1989
NAT #10	1	2337	May 8, 1989
NAT #11	1	2338	May 8, 1989
NAT #12	1	2386	May 26, 1989
NAT #13	1	2377	May 23, 1988
NAT #14	1	2378	May 23, 1988
NAT #17 FR	1	2385	May 23, 1989
NAT #20 FR	1	2431	July 4, 1989
NAT #25	18	2449	Aug 5, 1988
NAT #18	1	2384	May 26, 1989
TAN #1	1	2425	July 4, 1989
TAN #2	1	2426	July 4, 1989
TAM #3	1	2427	July 4, 1989
TAM #4	1	2428	July 4, 1989
TAM #5	1	2429	July 4, 1989
TAM #6	1	2430	July 4, 1989

The Great Gold Group claims are registered in the name of Colin Campbell.


125 15
50 15
N
Newton L.
Granite Bay
Granite Bay (P.O.)
Clear L.
Clear Lake
Main Lake
Little Main L.
Stramberg L.
NAT #25 (3N x 6W)
TAG #33375
TAM No. 6
TAM No. 5
TAM No. 4
TAM No 3
NAT #12
NAT #18
NAT #6 (2W x 3S) #2379
NAT #13
NAT #14
NAT #3 (4N 3W) #2335
NAT #4 (3N 2E) #2336
NAT #2 (5N 4E) #2316
NAT #17FR
L 1357
L 1358
L 1359
L 1377
L 1123
L 1500
L 1370
L 1369
L 1462
LUCKY JIM CROWN GRANTS
GREAT GOLD PROSPECT
COPPER ROAD 6 240(3)
COPPER ROAD 5 239(3)
COPPER ROAD 8 242(3)
COPPER ROAD 7 241(3)
BA 794(3)
MT. SEYMO
Quad
Yorke L.
Sulfwater
CLAIM LOCATION MAP - GREAT GOLD GROUP
LUCKY JIM CROWN GRANTS
OTHER CROWN GRANTS
GREAT GOLD GROUP CLAIMS
NANAIMO M.D., B.C.
NTS 92K/3
FIGURE 2
SCALE 1:50,000
COLIN J. CAMPBELL
AUGUST 1986
0
1
2km
O/C 3443 23-10-73
NO STAKING

2.4 PREVIOUS WORK

Quadra Island was first prospected during the 1880's with shipments of ore from several properties made since then. The largest producer has been the Lucky Jim Mine which produced 352 ounces gold, 873 ounces silver and 54,295 pounds copper from 711 tons of ore (B.C. Dept.of Mines and Petroleum Resources,1973) The mine was closed in 1925 following a forest fire which destroyed the mine buildings and pump.

Production from the Great Gold showing was recorded in M.M.A.R. for 1911, p.159 - "A general shipment of ore from this prospect hole is said to have run 6% copper, $1 to $2 in gold and 3 to 5 ounces of silver to the ton."

Many old pits, trenches and shafts indicate considerable prospecting in the area over the years.

Hillside Energy conducted geological, geochemical and geophysical work (1982 to 1984) resulting in location of several low grade gold geochemical anomalies and some copper geochemical anomalies, one of which likely has, as its source, the Great Gold showing, although the showing itself was not on claims held by Hillside.

Recent drilling by Butler Mountain Mineral Corporation indicates 12.70 thousand tonnes 2% copper, 11 g/tonne gold and 17 g/tonne silver (M.M.A.R. preliminary map, 1965).

3.0 PRELIMINARY GEOCHEMICAL SURVEY

The Preliminary Geochemical survey consisted of collecting 24 soil samples on grid lines near the Great Gold Group prospect and having them analyzed for gold and multi-element I.C.P.. Fifty rock samples were taken where alteration and/or mineralization was found; twenty-five of which were analyzed just for gold, the other twenty-five for gold and multi-element I.C.P.. Results are plotted on Figures 7A,7B,8,& 9.

3.1 FIELD METHODS

A. SOIL SURVEY - A mattock was used to sample the first available mineral soil horizon, usually at a depth of less than six inches. These samples, typically a mixture of B and C horizons, were stored in 4"x 6" Kraft paper bags. Notes were kept on standard soil sheets to aid in interpretation of results. Sample location was controlled by pace and compass grid lines.

B. ROCK CHIP SURVEY - Rock hammers were used to obtain approximately five pounds of rock chips over one square metre. Samples were stored in plastic bags.

3.2 ANALYTICAL METHODS

Soil and rock samples were analyzed for gold and/or multi-element I.C.P. by Acme Analytical Laboratories Ltd. and by Vangeochem Labs Ltd.. Methods are included with the assay certificates in Appendix C.

3.3 RESULTS & INTERPRETATION - GEOCHEMICAL SURVEY

Results of the detailed soil and rock sampling are presented on Figure 7B. Both copper and gold analyses successfully indicate the presence of the Great Gold showing.

The reconnaissance rock sampling plotted on Figure 9 indicated numerous significant (greater than 500 ppb) gold values in rock.

4.0 MAGNETOMETER SURVEY 11.5km @ 25m intervals

A ground magnetic survey was carried out on the north-western portion of the Great Gold Group NAT #4, #10, #11, #12, #18, #17FR, #20FR, and TAN #1 & #2 during February of 1987. A north-south base line was blazed and flagged at 25 metre intervals; east-west grid lines were turned off at 100 or 200 metre intervals with stations flagged at 25 metres. A model M-25 hip-chain and a Silva Ranger compass were used to control the survey.

Once the grid was established, seven man-days were spent conducting the ground magnetic survey using a Scintrex MF2-100 magnetometer. The MF2-100 is a vertical field magnetometer which employes the flux gate principle. The instrument can be read to an accuracy of 10 gammas.

The MF2-100 magnetometer was calibrated to use the optimum scale on its meter. It was set at 730 gammas at the main base station (base line station 0+00N). All readings are relative to the main base station. Secondary base stations, established along the base line, were used to control the survey. Loops were completed within two to three hours and corrections for diurnal variation were made. In general, readings were taken at 25 metre intervals. The corrected values were plotted on Figure 6B and contoured at 100 gamma intervals on Figure 6A.

4.1 RESULTS & INTERPRETATION - MAGNETOMETER SURVEY

The results of the ground magnetic survey are plotted on Fig. 6B and contoured at 100 gamma intervals on Figure 6A. The maximum magnetic relief in the area surveyed is 2550 gammas.

I interpret anomalies A, B, and C to be important; portions of each are coincident with significant self potential and gold geochemical anomalies.

5.0 SELF POTENTIAL SURVEY

A self potential survey was carried out on the north-east portion of the Great Gold Group during the fall of 1986 and winter of 1987. A total of 12.0 kilometres of a previously established chain and compass grid was surveyed in 12 man days. Equipment used in the survey consisted of a Micronta 22-191 Digital multimeter, calibrated to read in millivolts, two unglazed ceramic pots containing a saturated solution of copper sulphate, and 250 metres of 18 guage multi-strand copper wire with thermoplastic insulation on a winding spool with an armature. The spool was modified so that one person could both pull wire and take readings at the forward pot. The long wire method (Lajoie, 1981) was used to conduct the survey. Readings were taken at 25 metre intervals and were corrected to a base station at the baseline and on line 0+00.

5.1 RESULTS and INTERPERTATION of the SELF POTENTIAL SURVEY

Results of the Self Potential survey are plotted on Figure 5. In the area surveyed four distinctly anomalous zones (A to D), indicative of the presence of sulphides, were found.

Anomaly A is at least 1 kilometre long, is open to the north and has on its flank significant gold-copper mineralization of the Great Gold prospect.

Anomaly B is narrower than A, over a kilometre in length and is open to the south-east. It has a coincident gold-in-soil geochemical anomaly at its north-west end (Melrose 1984 - Fig. 9).

Anomaly C is a somewhat elongated anomaly centered at 8+50W on a line 2+00N; sulphides were observed in outcropings containing up to 975ppb gold.

Anomaly D likely is related to skarnification of volcanics near the main batholith to the east and could contain significant gold-copper mineralization; however, the limited rock sampling (one sample) done does not support this contention.

6.1 REGIONAL GEOLOGY

The north-eastern half of Quadra Island is underlain by granitic rocks of the Coast Mountains Plutonic Complex (Roddick and Woodsworth, 1976 and Figure 3); these are in intrusive or faulted contact with Triassic volcanic (Karmutsen) and sedimentary (Quatsino) formations along a north-westerly striking zone from Open Bay to Granite Bay.

6.2 PROPERTY GEOLOGY

Three days, during April 1987, were spent by the author mapping grid lines at a scale of 1:5000. The results are plotted on Figure 4. The focus of the mapping was to check areas of skarnification and copper-gold mineralization and their relationship to both the S.P. and magnetic anomalies.

7.0 CONCLUSIONS and RECOMENDATIONS

Significant skarn type copper-gold mineralization has been located on the Great Gold Group as the result of surveys conducted under this programme and reported on herein. Three coincident gold in rock or soil samples, self potential and ground magnetic anomalies (A, B, and C) have been located; They are the most important targets at this point.

I recommend trenching by excavator the S.P. anomaly associated with the Great Gold showing (anomaly A); soil sampling of all grid lines at 25 metre intervals (excepting areas sampled by Hillside); rock sampling of all outcrops with skarn or quartz veins that occur on anomalies A, B, C, and D. Positive results would merit careful study as to whether further trenching or a switch to short diamond drill holes would best check the anomalies.

BIBLIOGRAPHY

GREAT GOLD GROUP

1. B.C. D.M.& P.R., 1973: Mineral Deposits Inventory, Property No. 3792

2. M.E.M.& P.R., 1986: Preliminary Map 65

3. Melrose, 1984: Geochemical, Geological & Geophysical Report on the Drinkwater Claim Group, Assessment Report, No.12,087

4. B.C. M.M., 1911: Annual report, p.159.

5. Roddick & Woodsworth, 1976: Bute Inlet 1:250,000, GSC open file 480.

APPENDIX A

STATEMENT OF QUALIFICATION

I, Colin Campbell, of the Town of Courtenay, in the Province of British Columbia, do here by state that:

1. I am a geologist.

2. I graduated from the University of British Columbia in 1966 with a B.SC. Degree in Honours Geology.

3. I have worked steadily in mining exploration in British Columbia and Y ukon territory from 1966 to 1973; intermittently from 1974 to 1983 and steadily from January 1984 to the present.

4. I personally carried out, or supervised, the geological, self potential and geochemical survey on the Great Gold Group.

5. Title to the Great Gold Group is presently registered in my name.

Colin J. Campbell

APPENDIX B - STATEMENT OF EXPENDITURES - GREAT GOLD GROUP

1.	WAGES - Colin Campbell			
	FIELD: May 13,14,29; / Jun. 2,9,10,11,12,25;			
	Jul.16,21; / Sept. 22;			
	Nov.3,4,5,6,7, 1986			
	Jan.12,13,14,20,21;			
	Feb.3,10,11,17,18,20,23,24,25;			
	Apr.1,2, 1987			
	OFFICE: Oct.1,22, 1986 / January 15;			
	Feb.26,28; / Mar.30,31, 1987.			
	39 days @ $200 =		7800.00	7800.00
	FIELD: T.Tacker May 13,14, 1986.			
	2 days @ $100 =		200.00	
	G. Gordon Nov.3,4,5,6,7, 1986.			
	5 days @ $100 =		500.00	
			8500.00	8500.00
2.	FIELD SUPPLIES			250.00
3.	TRANSPORTATION			
	1/2 ton all found/23 days @ $40 =		920.00	
	4X4 P.U./9 days @ $50 =	450.00		
	mileage 1188km @$.25 =	83.00		
		747.00	747.00	
			747.00	1667.00
4.	GEOPHYSICAL RENTAL			
	S.P. unit 10 days @ $10 =		120.00	
	Magnetometer 6 days @ $45 =		270.00	
			390.00	390.00
5.	GEOCHEMICAL ANALYSES			
	Soil - (Au & ICP) 24 @ $10.25 =		246.00	
	Rock - (Au & ICP) 25 @ $13.25 =		331.25	
	- (Au) 16 @ $ 7.00 =		112.00	
	- (Au) 9 @ $ 9.75 =		87.75	
			777.00	777.00
6.	TYPING, DRAUGHTING, PRINTING & COPIES			300.00
			TOTAL	$11,877.00

Colin Campbell

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED MAY 30 1986
DATE REPORTS MAILED June 4/86

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : ROCK - CRUSHED AND PULVERIZED TO -100 MESH. P3 - soils -80 mesh
Au* - 10 GM. IGNITED, HOT AQUA REGIA LEACHED, MIBK EXTRACTION, AA ANALYSIS.

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

LARAMIDE RESOURCES PROJECT QI FILE# 86-0829 PAGE# 1

SAMPLE	Au* ppb
Q53-R	8
Q54-R	2
Q55-R	3
Q56-R	10

LARAMIDE RESOURCES PROJECT QI FILE# 86-0829 PAGE# 2

SAMPLE	Au* ppb
Q57-R	11
Q58-R	5

LARAMIDE RESOURCES PROJECT QI FILE# 86-0829 PAGE# 3

SAMPLE	Au* ppb
QS-1	95
QS-2	5
QS-3	23
QS-4	4
QS-5	1
QS-6	1
QS-7	11
QS-8	2

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.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.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK CHIPS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JUNE 10 1986 DATE REPORT MAILED: June 16/86 ASSAYER. D. Toye ..DEAN TOYE. CERTIFIED B.C. ASSAYER.

LARAMIDE RESOURCES PROJECT - QI FILE # 86-0954 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB	
Q-70R	8	139829	3	3514	44.7	5	15	706	8.65	2	5	ND	1	4	92	4	140	2	.81	.08	4	2	.04	5	.01	5	.15	.01	.01	1053	2000	
Q-71R	6	114814	6	2378	53.2	1	10	797	9.82	2	5	2	1	2	65	3	307	1	.69	.06	7	1	.03	1	.01	6	.25	.01	.01	898	3500	
Q-72R	8	110498	6	3219	39.4	4	8	1650	6.62	2	5	2	1	2	77	5	288	1	.72	.07	3	1	.04	7	.01	4	.15	.01	.01	1280	3400	
Q-73R	5	35611	2	829	29.7	1	8	681	3.43	2	5	ND	1	1	19	4	98	1	.48	.04	2	1	.03	3	.01	5	.08	.01	.01	954	2400	
Q-74R	12	98918	6	2652	92.3	2	2	490	6.19	2	5	6	1	1	56	2	697	1	.46	.08	4	1	.02	1	.01	6	.10	.01	.01	948	8100	~.24 oz/ton
Q-75R	5	29396	9	3174	21.9	3	7	1712	4.01	3	5	ND	1	2	60	4	195	1	.73	.03	2	1	.03	14	.01	2	.18	.01	.01	162	2500	
Q-76R	3	9321	9	889	10.7	21	12	958	2.67	7	5	ND	1	7	10	2	34	13	1.22	.06	2	12	.13	5	.08	3	.50	.02	.01	350	440	
Q-77R	10	32441	2	1975	35.4	3	1	679	5.43	2	5	2	1	1	53	2	295	1	.55	.06	4	1	.04	1	.01	2	.13	.01	.01	149	4500	
STD C/AU 0.5	21	62	43	137	7.0	71	38	1172	3.96	43	17	7	32	47	16	15	22	59	.48	.11	41	59	.88	178	.08	39	1.73	.06	.11	15	490	

W solubility 100 ppm.
Suggest regular Assay Au, Ag, Cu, Zn, W, Bi

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.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.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK CHIPS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: AUG 8 1986 DATE REPORT MAILED: Aug 13/86 ASSAYER. D. Toye...DEAN TOYE. CERTIFIED B.C. ASSAYER.

LARAMIDE RESOURCES PROJECT - QI FILE # 86-1929 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
091R	1	5332	40	78	4.1	169	565	246	50.75	54	5	ND	2	1	10	2	2	5	.05	.049	59	1	.06	4	.01	36	.20	.01	.02	123	190
092R	3	4257	15	39	1.5	45	147	394	12.26	44	5	ND	4	128	2	2	2	44	11.53	.038	2	15	.38	4	.16	2	.64	.09	.03	1	130
093R	2	2366	15	45	2.4	111	402	342	17.05	128	5	ND	1	27	2	2	2	95	.80	.054	6	34	.65	2	.37	12	.98	.02	.01	1	530
094R	250	17730 ✓	5	150	14.5	7	45	718	6.93	30	5	2	2	24	3	2	2	20	4.78	.036	2	6	.31	1	.09	2	.78	.01	.01	1	2620
095R	5	15611 ✓	14	136	10.4	34	98	399	22.67	33	5	ND	2	77	6	2	2	38	3.01	.011	7	1	.34	8	.06	9	.59	.03	.03	1	3800

✓ Assay required for correct result

-19-

GREAT GOLD

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED JAN 5 1987
DATE REPORTS MAILED Jan 9/87

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : ROCK - CRUSHED AND PULVERIZED TO -100 MESH.
Au* - 10 GM. IGNITED, HOT AQUA REGIA LEACHED, MIBK EXTRACTION, AA ANALYSIS.

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

NATION RIVER RESOURCES PROJECT QI FILE# 87-0007 PAGE# 1

	SAMPLE	Au* ppb
GREAT GOLD	Q106R	185
	Q107R	2

C

RECEIVED

JUL 14 1986

.ME ANALYTICAL LABORATORIES LTD.
852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
PHONE 253-3158 TELEX 04-53124

DATE RECEIVED: JULY 8 1986
DATE REPORT MAILED: July 11/86..

ASSAY CERTIFICATE

1.00 GRAM SAMPLE IS DIGESTED WITH 50ML OF 3-1-2 OF HCL-HNO3-H20 AT 95 DEG. C FOR ONE HOUR.
AND IS DILUTED TO 100ML WITH WATER. DETECTION FOR BASE METAL IS .01%.
- SAMPLE TYPE: PULP AU* 10 GRAM REGULAR ASSAY

ASSAYER: D. Toye DEAN TOYE. CERTIFIED B.C. ASSAYER.

SAMPLE#	Cu %	Zn %	Ag OZ/T	W %	Au OZ/T
Q202R	1.11	.12	1.05	.11	.270
Q203R	2.09	.18	1.21	.26	.107
Q204R	.63	.06	.32	.08	.060
Q205R	.75	.09	.41	.02	.014
Q206R	4.08	.45	1.40	.09	.025
Q207R	3.03	.31	1.52	.21	.078
Q208R	3.06	.36	.93	.07	.032
Q209R	3.32	.49	1.20	.10	.100
Q210R	2.81	.35	1.11	.09	.090
Q211R	2.53	.23	1.20	.02	.060
Q212R	1.34	.11	.72	.03	.084
Q213R	.63	.05	.26	.01	.038
Q214R	.22	.05	.09	.01	.010
Q215R	.04	.01	.03	.01	.001

10-3' samples
30' - .084 oz/t Au
2.34 ~~2.35~~ % Cu
1.04 oz/t Ag
.10 % W
.025 % Zn

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH:(604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED FEB 25 1987
DATE REPORTS MAILED Mar 4/87

GEOCHEMICAL ASSAY CERTIFICATE

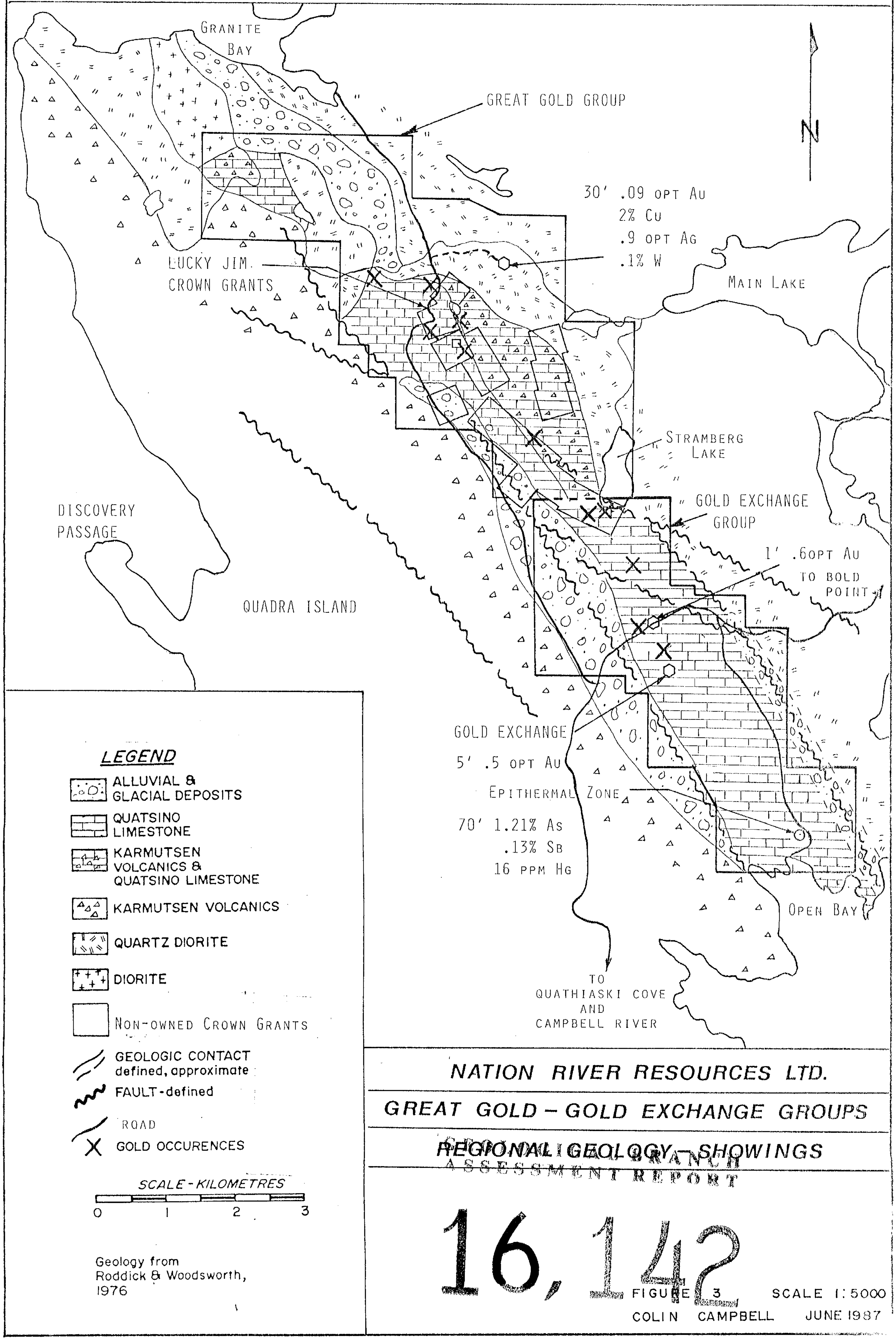
SAMPLE TYPE : ROCK - CRUSHED AND PULVERIZED TO -100 MESH.
Au* - 10 GM.IGNITED. HOT AQUA REGIA LEACHED. MIBK EXTRACTION. AA ANALYSIS.

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

NATION RIVER RESOURCES PROJECT QI FILE# 87-0515 PAGE# 1

SAMPLE	Au* ppb
Q 121-R	1
Q 122-R	495
Q 123-R	1
Q 124-R	1
Q 125-R	1
Q 134-R	44
Q 135-R	138
Q 136-R	975
Q 137-R	495
Q 138-R	15
Q 139-R	13
Q 140-R	11
Q 141-R	3
Q 142-R	275

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB	Hg PPB
QS-9	1	867	14	130	.6	8	10	1252	3.97	12	5	ND	2	17	1	2	15	76	.24	.33	5	21	.29	60	.15	2	3.32	.03	.03	14	235	20
QS-10	3	66	9	83	.3	9	7	297	4.60	17	5	ND	1	9	1	5	2	247	.66	.10	2	57	.04	21	.24	2	.64	.01	.01	1	1	10
QS-11	2	40	17	61	.9	8	7	467	5.03	20	5	ND	2	11	1	2	2	145	.18	.19	5	26	.23	30	.26	2	3.95	.02	.02	1	1	190
QS-12	4	40	13	131	.8	29	10	430	5.89	24	5	ND	1	24	1	2	2	157	.37	.13	3	51	.06	38	.15	2	1.39	.04	.01	1	1	40
QS-13	6	271	25	884	1.9	71	50	1953	8.28	94	5	ND	1	16	3	2	3	113	.49	.21	5	57	.10	59	.11	2	1.76	.01	.02	2	1	60
QS-14	3	50	22	166	.6	29	17	2363	4.74	35	5	ND	1	26	2	2	2	93	.38	.15	6	36	.21	61	.17	2	2.20	.02	.02	1	1	70
QS-15	2	33	11	74	.1	22	10	675	3.61	11	5	ND	2	22	1	2	2	80	.36	.07	8	32	.47	67	.21	2	4.04	.03	.06	1	1	110
QS-16	2	14	10	60	.1	9	6	601	3.88	31	5	ND	1	33	2	2	2	87	.74	.08	5	22	.25	41	.17	4	2.68	.03	.03	1	1	80
QS-17	2	64	10	74	.2	25	9	219	4.35	12	5	ND	1	19	1	3	3	105	.40	.07	5	54	.32	55	.23	2	2.52	.02	.02	1	1	50
QS-18	6	13	9	25	.1	3	6	149	6.64	7	5	ND	2	10	1	2	2	123	.17	.04	9	30	.18	21	.31	2	3.85	.02	.02	1	1	70
QS-19	4	18	8	34	.1	9	5	170	4.91	8	5	ND	3	13	1	2	2	133	.21	.04	4	30	.30	28	.31	2	2.87	.03	.03	1	1	80
QS-20	2	21	10	59	.1	5	8	472	4.52	4	5	ND	3	16	1	2	2	85	.19	.11	6	22	.29	28	.20	2	2.90	.02	.02	1	1	90
QS-21	4	32	7	112	.6	10	7	367	4.48	13	5	ND	2	16	1	3	2	110	.25	.10	5	27	.33	34	.24	2	2.31	.02	.02	1	1	70
QS-22	7	17	17	73	.2	11	5	254	4.44	21	5	ND	1	32	1	2	2	147	.52	.06	5	28	.12	41	.25	2	1.30	.01	.02	1	4	50
QS-23	11	64	18	141	.4	17	9	447	5.66	43	5	ND	1	22	1	3	3	177	.50	.07	6	40	.11	27	.34	2	1.24	.01	.02	52	1	30
QS-24	16	32	22	261	.3	22	10	230	8.37	51	12	ND	2	15	2	2	3	186	.24	.07	7	34	.37	33	.43	2	4.94	.03	.04	1	1	100
QS-25	5	60	11	846	.1	134	8	270	5.41	97	5	ND	1	20	5	2	2	115	.36	.03	8	26	.25	36	.34	2	2.77	.03	.02	1	1	50
QS-26	2	24	15	114	.1	13	8	297	4.27	21	5	ND	2	15	1	2	2	87	.21	.06	7	20	.32	36	.19	2	3.86	.03	.02	2	8	70
QS-27	4	27	18	92	.6	17	12	351	7.05	42	5	ND	1	23	1	2	2	241	.55	.11	6	57	.23	37	.47	2	1.88	.01	.02	2	1	60
QS-28	5	10151	17	2236	6.6	38	30	3782	7.02	69	15	ND	2	73	21	5	25	51	1.91	.60	35	37	2.36	516	.06	4	4.33	.03	.06	8	410	170
QS-29	1	469	12	115	.5	9	20	552	4.03	10	5	ND	1	14	2	2	2	106	.22	.10	8	19	.16	45	.21	4	1.78	.02	.02	1	5	70
QS-30	3	112	17	122	.2	61	26	1281	6.24	26	5	ND	1	34	1	2	2	119	.63	.21	9	67	.40	62	.13	2	3.75	.03	.03	1	1	110
QS-31	3	55	16	120	.5	46	19	698	6.31	17	5	ND	1	15	1	2	2	162	.63	.14	8	112	.33	37	.20	6	4.04	.03	.02	2	1	120
QS-32	1	20	6	42	.1	9	7	438	5.40	15	5	ND	2	17	1	2	2	153	.24	.18	6	31	.22	39	.34	2	2.59	.02	.02	1	1	50
QS-33	3	98	15	178	.6	73	26	1196	5.83	11	5	ND	1	87	2	2	7	85	1.07	.17	7	56	.41	44	.13	3	2.79	.14	.02	1	1	30
STD C/AU-0.5	19	58	38	132	7.0	69	29	1201	3.95	40	19	8	33	49	17	15	21	62	.48	.10	36	58	.88	183	.08	40	1.74	.08	.11	14	520	1400



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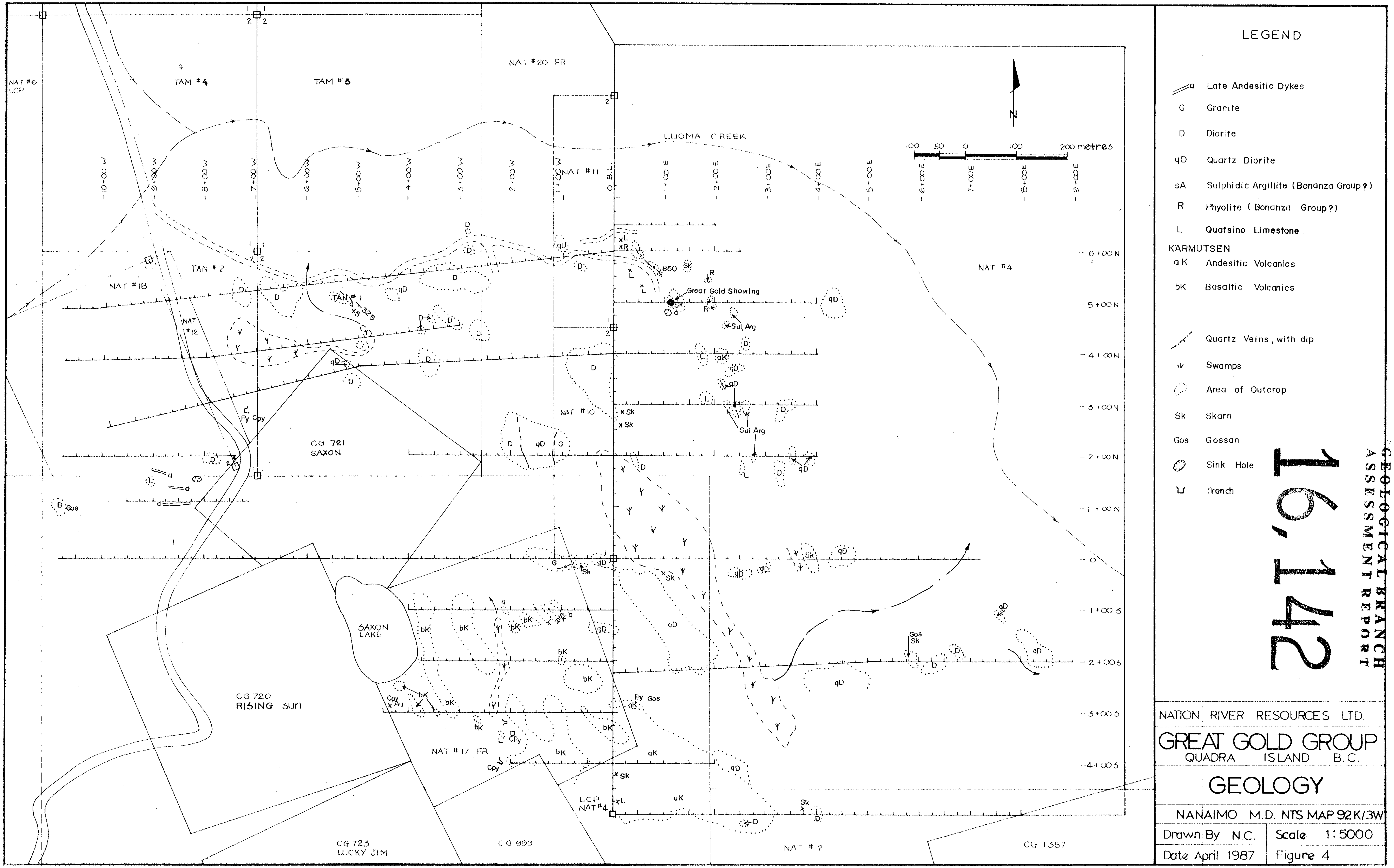
GREAT GOLD – GOLD EXCHANGE GROUPS

REGIONAL GEOLOGY – SHOWINGS

FIGURE 3 SCALE 1:5000

COLIN CAMPBELL JUNE 1987


LEGEND
a Late Andesitic Dykes
G Granite
D Diorite
qD Quartz Diorite
sA Sulphidic Argillite (Bonanza Group?)
R Phyolite (Bonanza Group?)
L Quatsino Limestone
KARMUTSEN
aK Andesitic Volcanics
bK Basaltic Volcanics
Quartz Veins, with dip
Swamps
Area of Outcrop
Sk Skarn
Gos Gossan
Sink Hole
Trench
GEOLOGICAL BRANCH
ASSESSMENT REPORT
16,142
NATION RIVER RESOURCES LTD.
GREAT GOLD GROUP
QUADRA ISLAND B.C.
GEOLOGY
NANAIMO M.D. NTS MAP 92K/3W
Drawn By N.C.
Scale 1:5000
Date April 1987
Figure 4
LUOMA CREEK
N
100 50 0 100 200 metres
Great Gold Showing
850
Sul Arg
NAT #6 LCP
TAM #4
TAM #3
NAT #20 FR
NAT #11
NAT #4
TAN #2
NAT #18
TAN #1
NAT #12
NAT #10
CG 721 SAXON
SAXON LAKE
CG 720 RISING sun
NAT #17 FR
LCP NAT #4
CG 723 LUCKY JIM
CG 999
NAT #2
CG 1357
Py Cpy
Fy Gos
Cpy Au
B Gos
-10+00W
-9+00W
-8+00W
-7+00W
-6+00W
-5+00W
-4+00W
-3+00W
-2+00W
-1+00W
0 BL
-1+00E
-2+00E
-3+00E
-4+00E
-5+00E
-6+00E
-7+00E
-8+00E
-9+00E
6+00N
5+00N
4+00N
3+00N
2+00N
1+00N
0
1+00S
2+00S
3+00S
4+00S

LEGEND

● Great Gold Showing

100 mv 100 millivolt contours

NOTE:- All readings relative to 0 m.v. at Base Station on Base line - Station 00.

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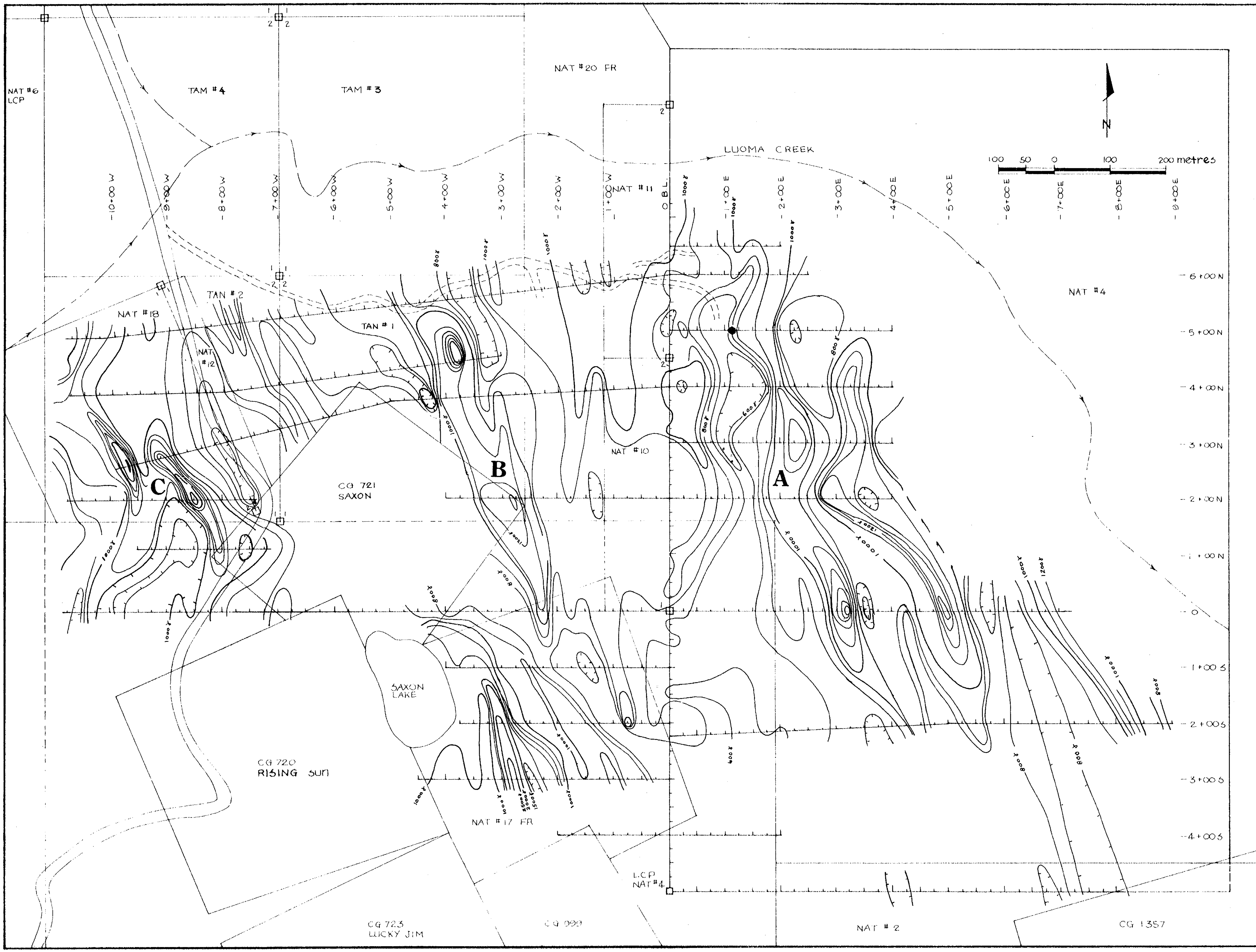
GREAT GOLD GROUP
QUADRA ISLAND B.C.

SELF POTENTIAL SURVEY

NANAIMO M.D. NTS MAP 92K/3W

Drawn By N.C.	Scale 1:5000
Date April 1987	Figure 5



LEGEND

● Great Gold Showing

100γ 100 gamma interval

1000γ 500 gamma interval

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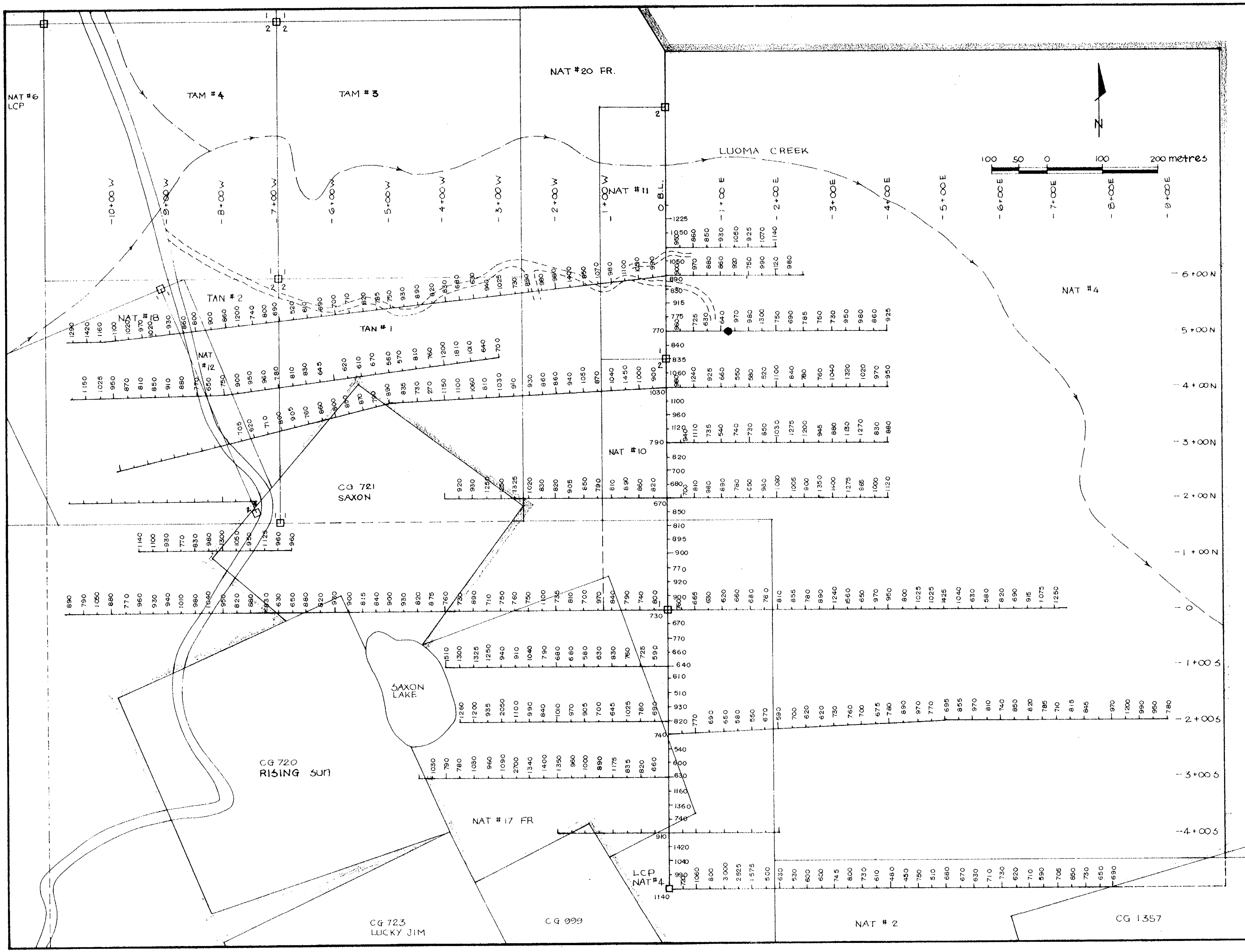
MAGNETOMETER SURVEY - CONTOURS

NANAIMO M.D NTS MAP 92K/3W

Drawn By N.C.	Scale 1:5000
Date April 1987	Figure 6A



LEGEND

● Great Gold Showing

A SCINTREX MF 2-100 MAGNETOMETER WAS USED FOR THIS SURVEY

All READINGS ARE IN THE VERTICAL FIELD RELATIVE TO THE MAIN BASE STATION AT BASE LINE 0+00N BEING 730 GAMMAS

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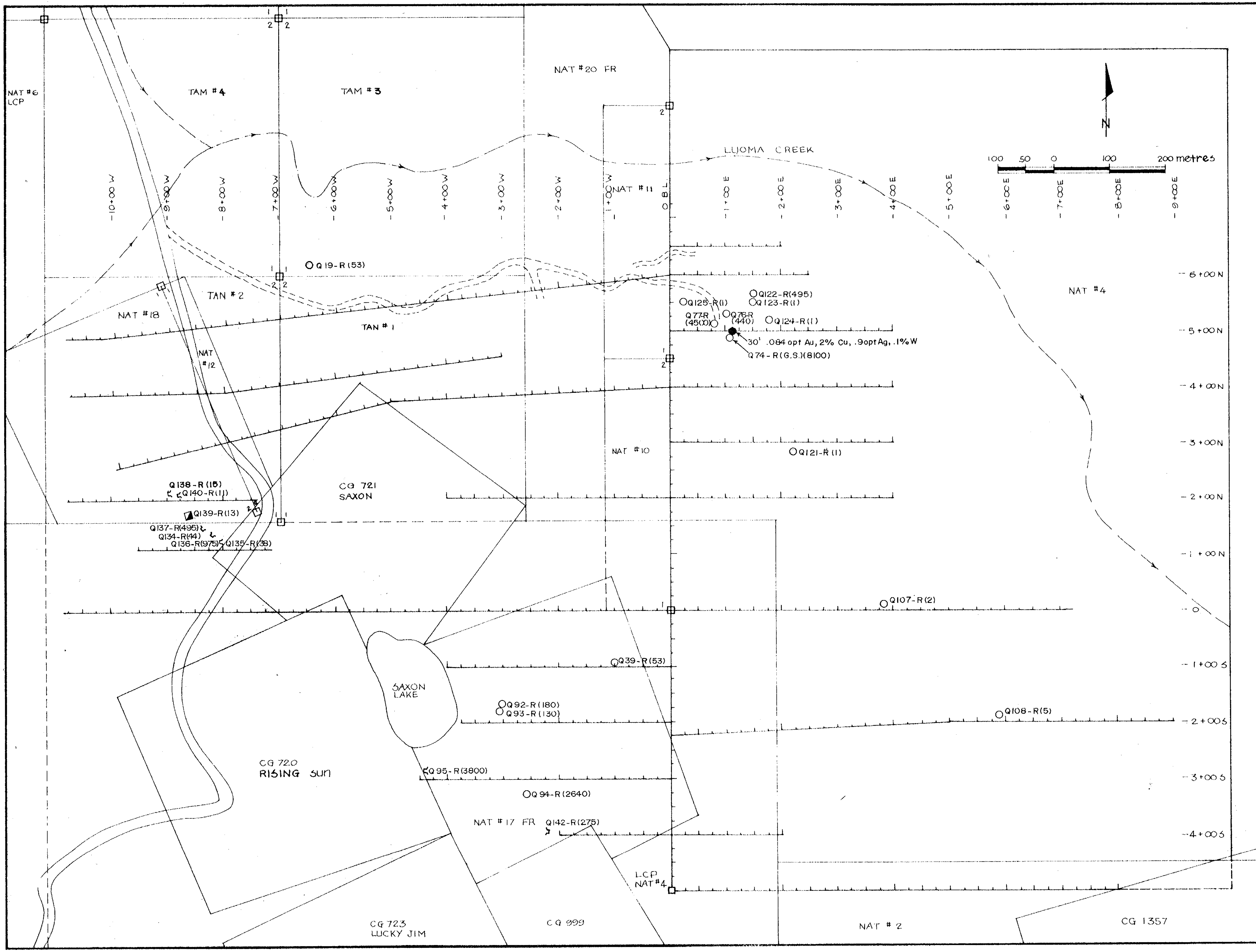
MAGNETOMETER SURVEY - READINGS

NANAIMO M.D. NTS MAP 92K/3W

Drawn By N.C.	Scale 1:5000
Date April 1987	Figure 6B



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LEGEND

GREAT GOLD SHOWING

Sample site
Sample number
Q122-R (495) ppb Gold

Trench

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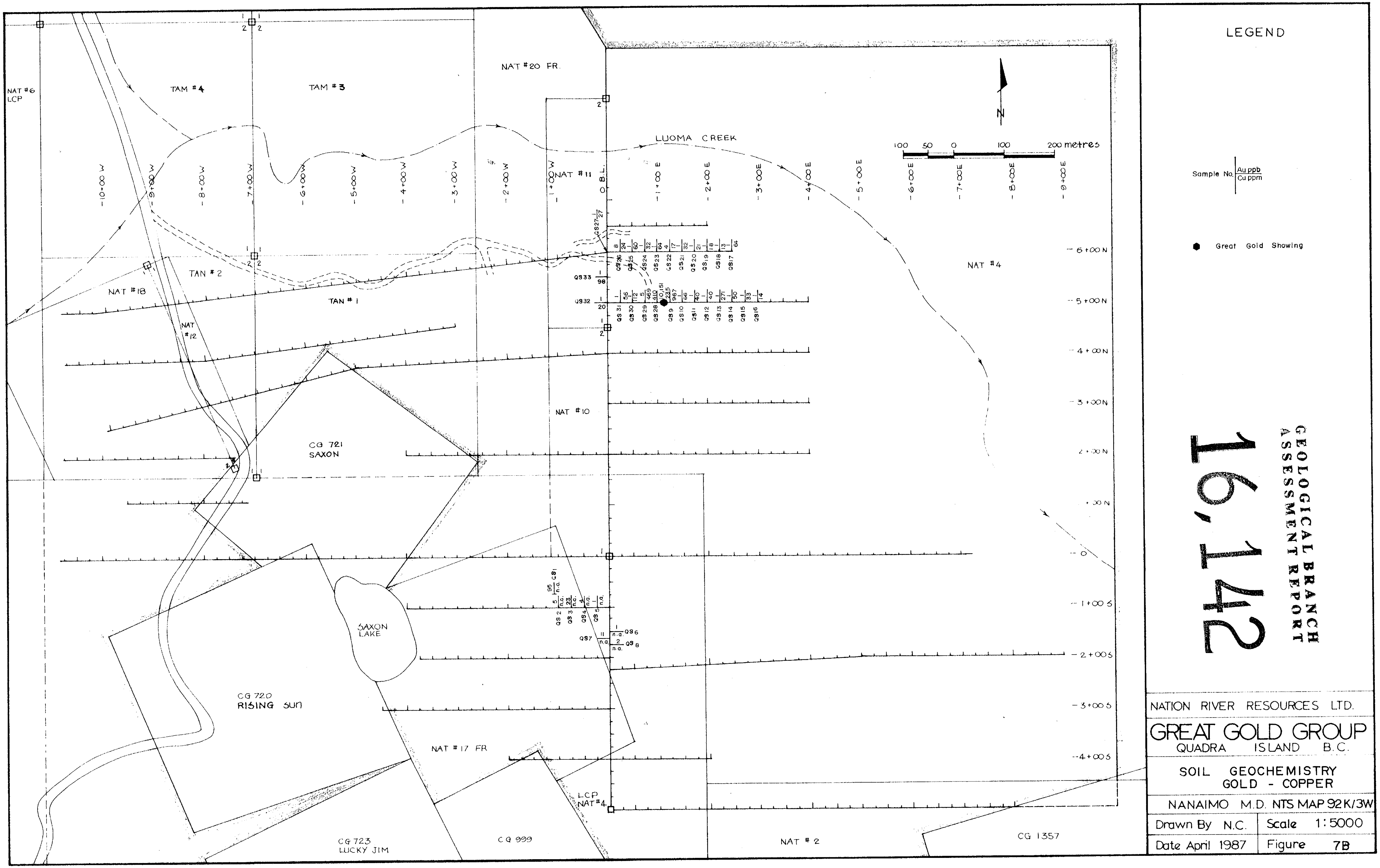
ROCK GEOCHEMISTRY - GOLD

NANAIMO M.D. NTS MAP 92K/3W

Drawn By N.C.	Scale 1:5000
Date April 1987	Figure 7A


LEGEND
Sample No. Au ppb / Cu ppm
Great Gold Showing
GEOLOGICAL BRANCH
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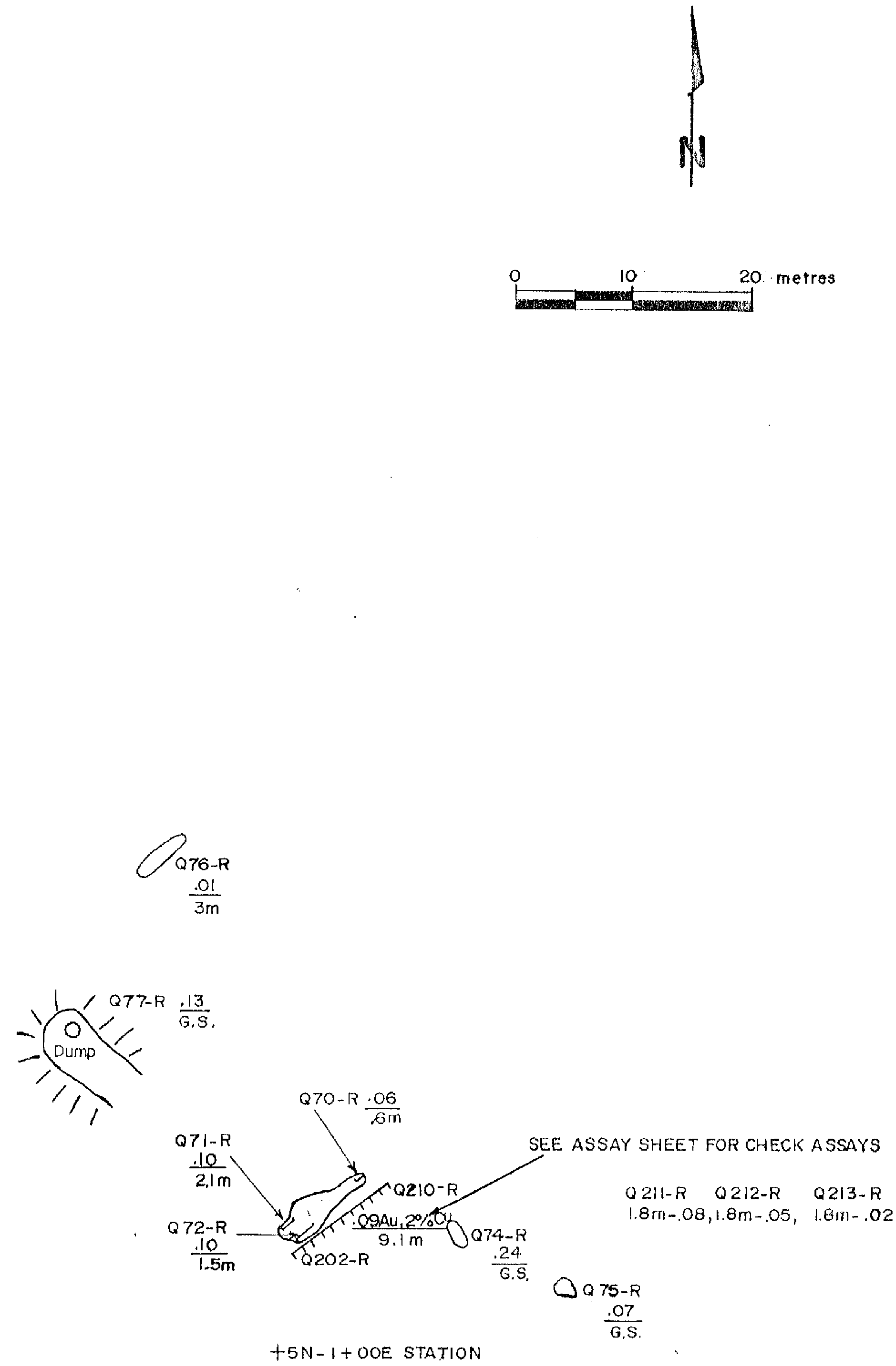
NATION RIVER RESOURCES LTD.
GREAT GOLD GROUP
QUADRA ISLAND B.C.
SOIL GEOCHEMISTRY
GOLD - COPPER
NANAIMO M.D. NTS MAP 92K/3W
Drawn By N.C.
Scale 1:5000
Date April 1987
Figure 7B
LUOMA CREEK
100 50 0 100 200 metres
N
NAT #6 LCP
TAM #4
TAM #3
NAT #20 FR.
NAT #11
TAN #2
NAT #18
TAN #1
NAT #12
NAT #10
NAT #4
CG 721 SAXON
SAXON LAKE
CG 720 RISING SUN
NAT #17 FR
LCP NAT #4
CG 723 LUCKY JIM
CG 999
NAT #2
CG 1357
-10+00W
-9+00W
-8+00W
-7+00W
-6+00W
-5+00W
-4+00W
-3+00W
-2+00W
-1+00W
0 B.L.
-1+00E
-2+00E
-3+00E
-4+00E
-5+00E
-6+00E
-7+00E
-8+00E
-9+00E
6+00N
5+00N
4+00N
3+00N
2+00N
1+00N
0
1+00S
2+00S
3+00S
4+00S



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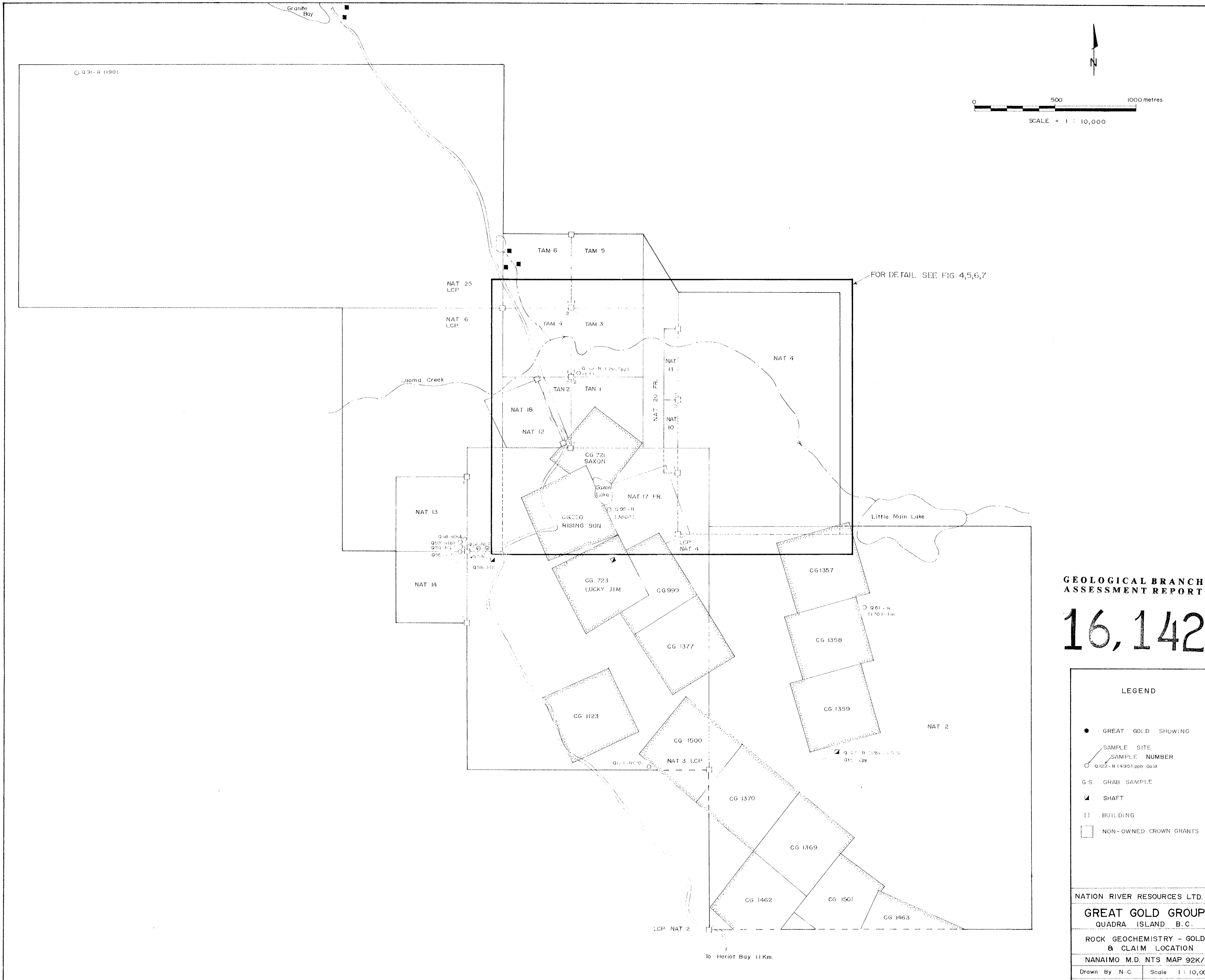
DETAILED ROCK SAMPLING

GREAT GOLD GROUP

GOLD IN OUNCES PER TON
WIDTH IN METRES

NANAIMO M.D.	NTS 92K/3
FIGURE 8	SCALE 1:500
COLIN CAMPBELL	JUNE 1987



Granite Bay
N
0 500 1000 metres
SCALE = 1 : 10,000
FOR DETAIL SEE FIG. 4,5,6,7
TAM 6
TAM 5
TAM 4
TAM 3
TAN 2
TAN 1
NAT 25 LCP
NAT 6 LCP
NAT 4
NAT 11
NAT 10
NAT 20 FR.
NAT 18
NAT 12
CG 721 SAXON
Saxon Lake
NAT 17 FR.
CG 720 RISING SUN
LCP NAT 4
NAT 13
NAT 14
CG 723 LUCKY JIM
CG 999
CG 1377
CG 1357
CG 1358
CG 1359
CG 1123
CG 1500
NAT 3 LCP
CG 1370
CG 1369
CG 1462
CG 1501
CG 1463
NAT 2
LCP NAT 2
To Heriot Bay 11 Km.
Little Main Lake
GEOLOGICAL BRANCH
ASSESSMENT REPORT
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LEGEND
GREAT GOLD SHOWING
SAMPLE SITE
SAMPLE NUMBER
Q122-R (495) ppb Gold
G.S. GRAB SAMPLE
SHAFT
BUILDING
NON-OWNED CROWN GRANTS
NATION RIVER RESOURCES LTD.
GREAT GOLD GROUP
QUADRA ISLAND B.C.
ROCK GEOCHEMISTRY - GOLD
& CLAIM LOCATION
NANAIMO M.D. NTS MAP 92K/3
Drawn By N.C.
Scale 1 : 10,000
Date April 1987
Figure 9