

2/89

87-249-16041

MineQuest Report #156
Ref. No. RM3804

SUB-RECORDER
RECEIVED
MAY 14 1987
M.R. # _____ \$ _____
VANCOUVER, B.C.

GEORGINA 1987 GROUP
Geochemistry and Preliminary Geology

Nanaimo Mining Division

N.T.S. 92F/1E8E

Latitude 49°15'N
Longitude 124°14'W
13'

Owner(s): L.O. Allen
R.J. Bilquist

by

A.W. Gourlay

of

FILMED

Operator: MineQuest Exploration Associates Ltd.

<u>Claim</u>	<u>Record Number</u>	<u>Units</u>	<u>Date Recorded</u>
Georgina 1	2033	20	Feb. 18, 1985
Georgina 2	2303	20	Mar. 11, 1986
Georgina 3	2304	14	Mar. 11, 1986
Georgina 4	2296	01	Mar. 11, 1986
Georgina 6	2297	01	Mar. 11, 1986
Georgina 7	2298	01	Mar. 11, 1986
Georgina 8	2299	01	Mar. 11, 1986
Georgina 9	2300	01	Mar. 11, 1986
Georgina 10	2301	01	Mar. 11, 1986
Georgina 11	2303	01	Mar. 11, 1986

Vancouver, B.C.

April, 1987

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

16,041

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Appendix II	Laboratory Reports
Appendix III	Cost Statement
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1.0

INTRODUCTION

The GEORGINA 1 claim was staked to cover a reported copper showing either within or closely associated with Sicker Group volcanic rocks and sediments. GEORGINA 2 to 11 claims cover the presumed extension of Sicker Group rocks, as mapped by Muller (1980). This report describes geological mapping, rock chip sampling, and silt sampling carried out in January, 1987.

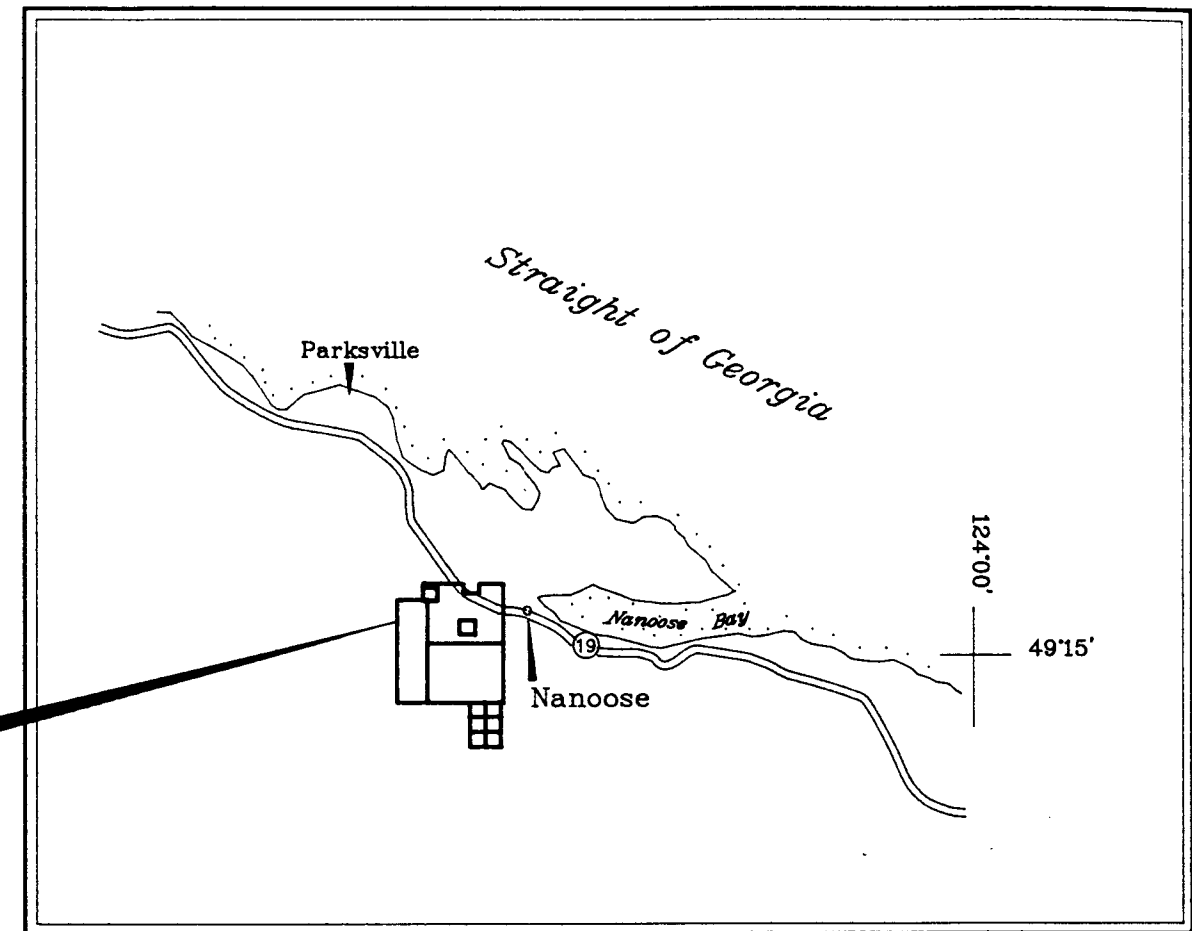
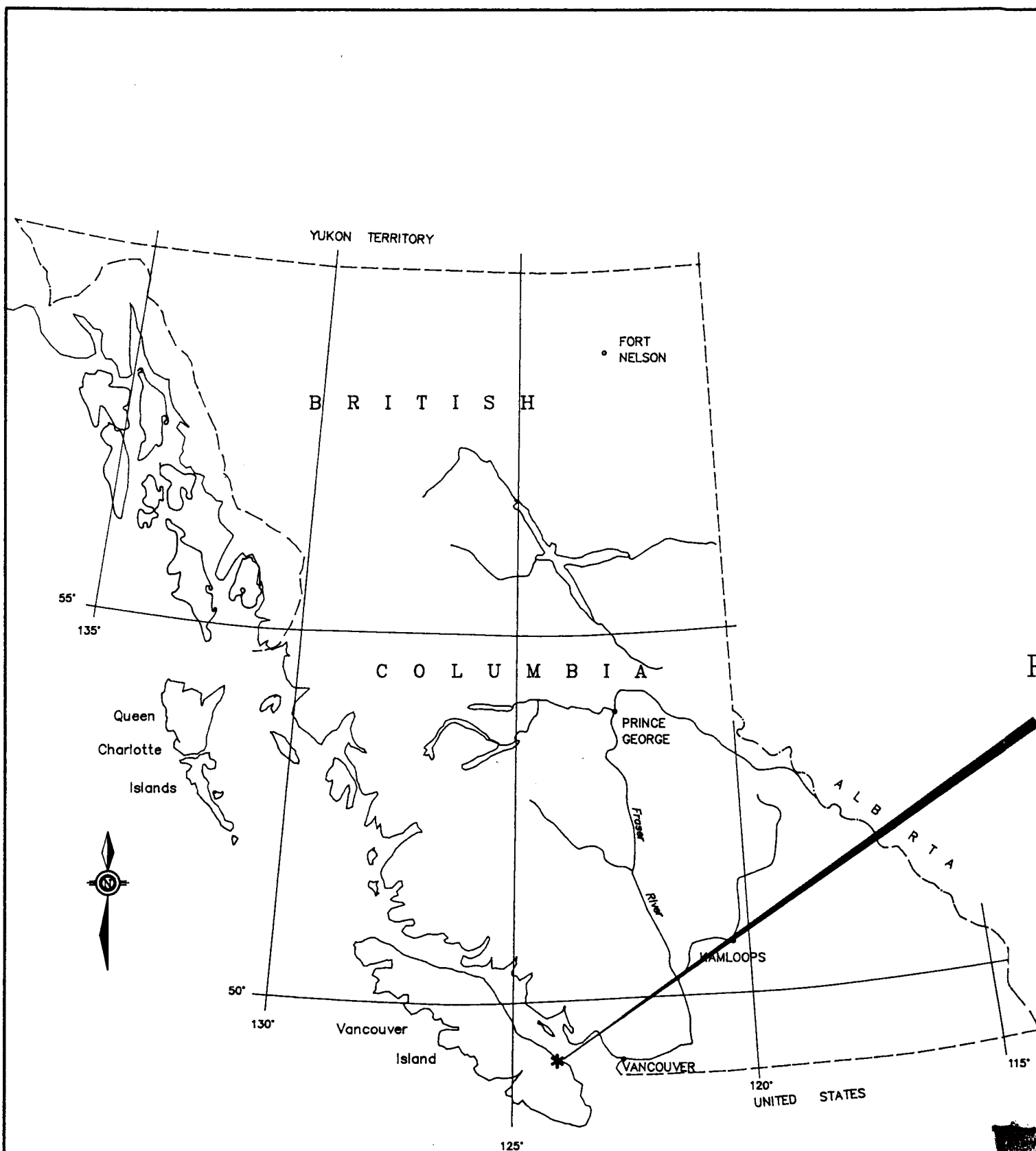
2.0

LOCATION, TOPOGRAPHY AND ACCESS

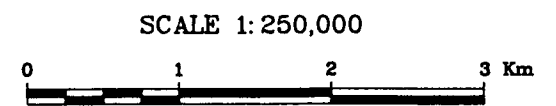
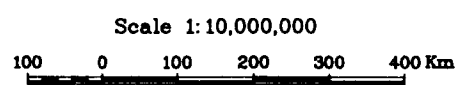
The GEORGINA claims lie on Vancouver Island, British Columbia, two kilometres west of Nanoose Bay and 20 kilometres northwest of Nanaimo.

Topography, which ranges from 40 to 120 metres above sea level, is subdued. Vegetation consists of third growth conifers with open spaces where arbutus trees flourish.

The Island Highway traverses the property, nearly all points of which can be reached by a network of gravel roads. A B.C. Hydro power line crosses the claim from northwest to southeast. Parts of the claim are scheduled for residential development.



PROJECT AREA



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

16,041

GEORGINA 1987 GROUP

LOCATION MAP

PLAN No.	DRAWN BY: GEO-COMP	DATE MARCH '86	FIGURE 1
Originator: RVL	N.T.S. 92F/8F/1		
MINEQUEST EXPLORATION ASSOCIATES LTD.			

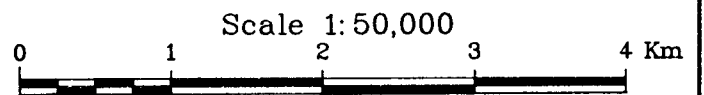
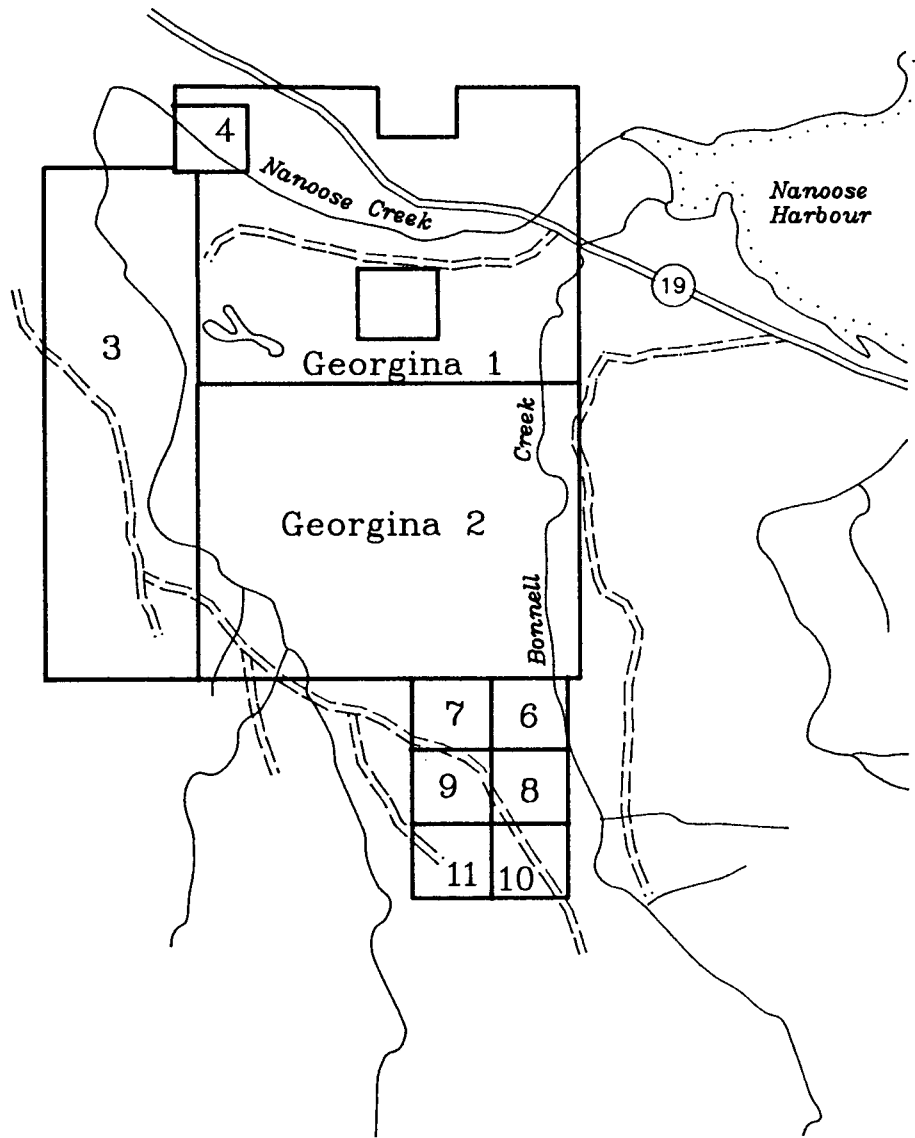
3.0

OWNERSHIP AND CLAIM STATUS

The property consists of the claims listed below.

<u>Claim</u>	<u>Record Number</u>	<u>Units</u>	<u>Due Date Before Submission of this Report</u>	<u>Registered Owner</u>
Georgina 1	2033	20	Feb. 18, 1985	L.O. Allen
Georgina 2	2303	20	Mar. 11, 1986	"
Georgina 3	2304	14	Mar. 11, 1986	R.J. Bilquist
Georgina 4	2296	01	Mar. 11, 1986	"
Georgina 6	2297	01	Mar. 11, 1986	"
Georgina 7	2298	01	Mar. 11, 1986	"
Georgina 8	2299	01	Mar. 11, 1986	"
Georgina 9	2300	01	Mar. 11, 1986	"
Georgina 10	2301	01	Mar. 11, 1986	"
Georgina 11	2302	01	Mar. 11, 1986	"

The GEORGINA claim surrounds, in its south central part, a single unit claim (West Bay) and partially surrounds another single unit claim (North Bay) astride its northern boundary.



GEORGINA 1987 GROUP

CLAIM MAP

DATE: Feb.'87 N.T.S.: 92F/8,1 FIGURE: 2

4.0

HISTORY AND PREVIOUS WORK

The following mineral occurrences are reported on or near the GEORGINA claims:

Name: Bonnell Creek

Minfile

Number: 92F379

Comment: "The old workings on the west bank of creek are on an E-W trending quartz vein, a few feet wide. Minor Cu mineralization, with much Cu stain was seen in the vein".

Commodities

Present: Cu

Bibliography:

1. BCDM Open File

Name: Georgina

Minfile

Number: 92F178

Comment: "Chalcopyrite occurs in quartz veins in greenstone volcanics west of a fault separating greenstones from younger conglomerates of Upper Cretaceous age. Gold and silver were also produced".

Commodities

Present: Au, Ag, Cu

Bibliography:

1. BCDM Open File (Prop. Rpt., GUNNEX Ltd., 1965)
2. BDM MMAR 1934-F7, 1935-646, 1936-F63
3. GSC Paper 68-50-38

In 1985 and 1986 the GEORGINA 1 claim was the focus of prospecting and silt sampling by Messrs. Allen and Bilquist, and a preliminary geological examination by R.V. Longe, P.Eng.

5.0

GEOLOGY5.1 Regional Features

Most of the claims are underlain by sedimentary and volcanic rocks of the Myra Formation, a subdivision of the Sicker Group. Outliers of the overlying Comox Formation (Cretaceous sandstone, conglomerates and shales) occur at several locations. Triassic volcanics of the Karmutsen Formation are shown (Muller, 1980) to stratigraphically overlie the Sicker rocks to the southeast of the claims and to lie in fault contact to the southwest.

Buttle Lake Formation (old name): limestone, calcarenitic, crinoidal, commonly recrystallized; interbedded with subordinate or equal thicknesses of calcareous siltstone and chert; some diabase sills
Sediment-Sill Unit (not a formational name): thinly bedded to massive argillite, siltstone and chert with interlayered sills of diabase
Myra Formation (new name): basic to rhyodacitic banded tuff, breccia and (?) lava; thinly bedded to massive argillite, siltstone, chert
Nitinat Formation (new name): metabasaltic lavas, pillowed or agglomeratic, commonly with large conspicuous uralitized pyroxene phenocrysts and amygdules of quartz and dark green minerals; minor massive to banded tuff.

Subdivisions of Sicker Group, from Muller, 1980

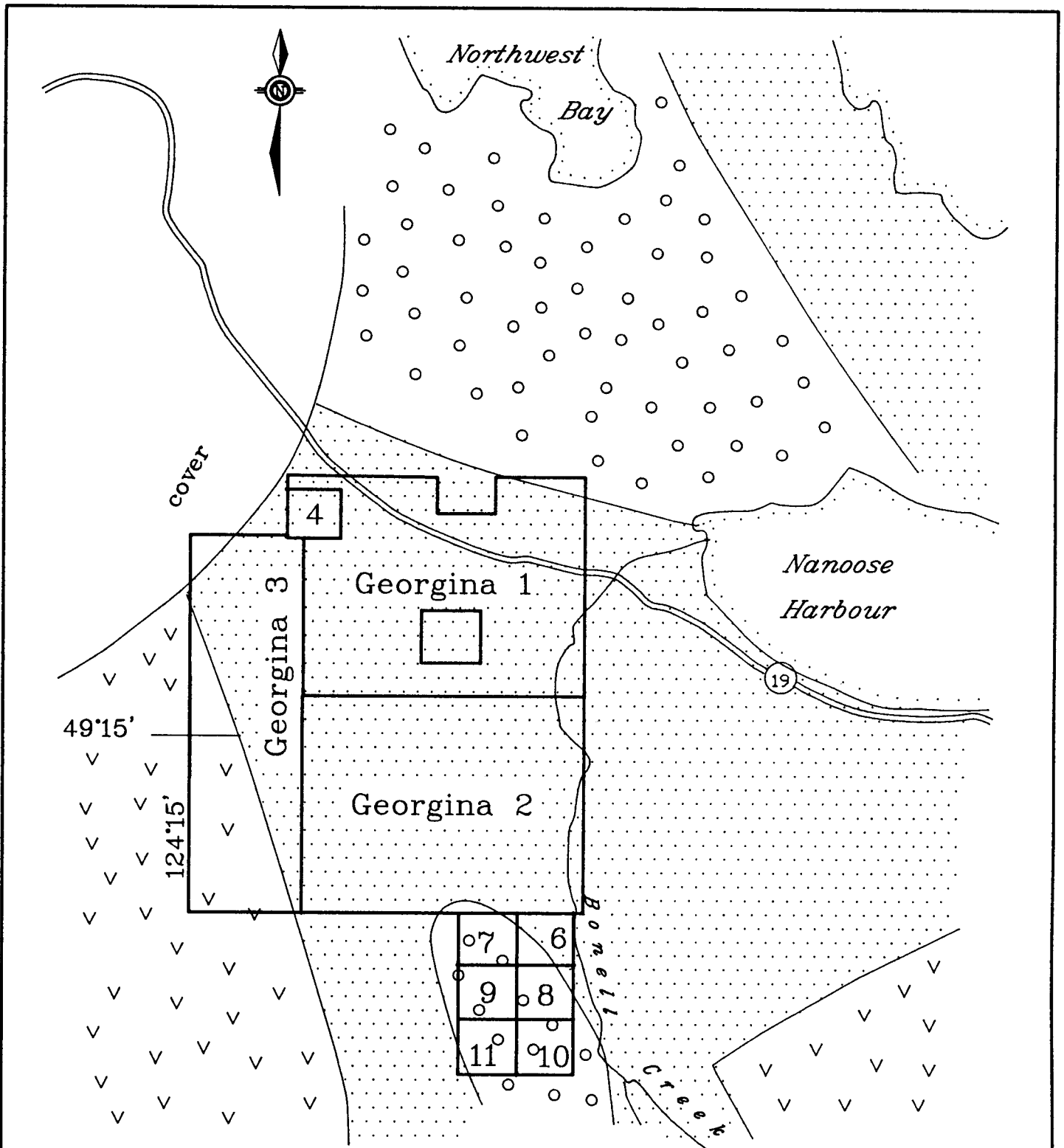
5.2 Airborne Magnetics

A well-developed magnetic feature (Longe, 1986) trends across the claim in a north-northwest, south-southeast direction, parallel to the schistose foliation. The outcrops of basic intrusive rocks are responsible for the magnetic anomaly with which they coincide.

6.0

WORK CARRIED OUT IN 1987

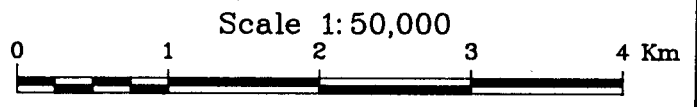
The field program consisted of three days of reconnaissance mapping and rock chip sampling by the author and R.J. Bilquist, an experienced prospector, followed by two days of prospecting and silt sampling parts of Nanoose and Bonnell Creeks by Messrs. R.J. Bilquist and C. Bilquist.



LEGEND

- Nanaimo Group
- ∇∇ Vancouver Group
- Sicker Group

* from Muller 1980 (GSC Paper 79-30)



GEORGINA 1987 GROUP		
REGIONAL GEOLOGY		
DISTRIBUTION OF SICKER, VANCOUVER & NANAIMO GROUPS *		
DATE: Feb.'87	N.T.S.: 92F/8,1	FIGURE: 3
MINEQUEST EXPLORATION ASSOCIATES LTD.		

7.0

RESULTS OF THE 1987 PROGRAM7.1 Property Geology

Lithologies on the property have been divided into six units based on field observations (see Figure 4).

Unit 1 is a black shale with thin interbeds of grey, very fine grained tuff. The shale is massive to finely laminated, with less than 1% disseminated pyrite, and occasionally has a cherty fracture. Interbeds of grey tuff range up to 10mm in thickness and carry up to 1% disseminated pyrite.

Unit 2 is intermediate to felsic volcanic rocks that have been weakly brecciated and cross-cut by numerous pyrite stringers. This unit is light grey weathering and variably iron stained. On a fresh surface these rocks are grey coloured and contain rare blocks of shale and argillite, up to 70cm in size. The volcanic rocks are generally massive and siliceous, and often display a breccia-like texture on weathered surfaces that is not readily visible on fresh faces. Angular fragments up to 5cm size are supported by a fine to medium grained matrix. Pyrite stringers range up to 1mm thick and to 10cm in length, have a random orientation, and occasionally end in irregular blebs up to 1cm in size. Total sulphide content varies from three to five percent.

Unit 3 is maroon and grey schist that is weakly phyllitic. Colour variation appears to reflect banding but is not always associated with a change in grain size. Locally the maroon colour has a blotchy appearance and may be an alteration feature rather than a primary texture. Grain size varies from very fine to medium grained, with only rare disseminated pyrite.

Unit 4 is andesite tuff, apple green on a fresh surface that weathers to a cream colour. Texture varies from finely laminated to massive, with fragmental beds that have fragments elongate parallel to the foliation. Fragments are subrounded, mostly 1-2cm size andesite and very rare black, angular sedimentary fragments. In one outcrop the andesite is brecciated and hosts numerous white and grey quartz veins.

Unit 5 is diorite intrusive rock. Grain size varies from fine to coarse grained with the ground mass carrying 2-3% magnetite. Quartz is anhedral, both feldspar and hornblende are anhedral to euhedral, and there is weak chlorite alteration of the hornblende.

Unit 6 is fossiliferous sandstone and conglomerate of the Cretaceous Nanaimo Group.

Units 1 through 5 are included within the Myra Formation of Muller (1980). Recent work by Massey and Friday (1987) in the Cowichan Lake area suggests that these units may be part of the McLaughlin Ridge Formation, a succession of volcanic sandstone, breccia, conglomerate, mafic flows, and felsic flow and tuffs. At present direct correlation of lithologies in both the Nanoose Uplift and Cowichan-Horne Lake Uplift is not possible. However, the presence of sulphide bearing brecciated felsic volcanic rocks within the same general sequence as mineral deposits at Buttle Lake is most encouraging.

7.2 Rock Geochemistry

A total of 31 rock chip samples were collected and 26 were analyzed for gold and a thirty element suite by Acme Analytical Laboratories Ltd. of Vancouver, B.C.

Two samples (87115, 201) collected from the waste pile at the winze of the Georgina showing returned 4110 and 3420 ppb gold with elevated arsenic and copper values. These are samples of quartz-carbonate vein with pyrite and arsenopyrite.

Samples from the brecciated felsic volcanic rocks (87106-110, 201-203) returned a single high of 375 ppb gold from silicified volcanic rocks. Copper is commonly several hundred ppm and a high arsenic of 453 ppm was returned from a sample of silicified felsic volcanic rocks with banded pyrite.

Sample 211, a quartz vein, possibly hosted by diorite intrusive, produced 275 ppb gold and 948 ppm arsenic.

Two samples from Bonnell Creek, 241 and 243, massive strataform pyrite and chalcopyrite in quartz carbonate, returned weak gold values of 13 ppb and copper of 891 ppm, and 8550 ppm respectively.

7.3 Silt Geochemistry

Thirty-four samples were collected and analysed for gold and a thirty element suite by Acme Analytical Laboratories Ltd. of Vancouver, British Columbia.

Two samples from Bonnell Creek, upstream from the anomalous rock samples, returned gold values of 134 and 112 ppb. Copper and zinc values from Bonnell Creek are consistently higher than those from Nanoose Creek (76 ppm versus 33 ppm and 84 ppm versus 61 ppm for copper and zinc respectively).

Two samples from Nanoose Creek produced 21 and 155 ppb gold in an area of no outcrop. The source of these anomalies has not been found.

8.0

GENERAL CONCLUSIONS

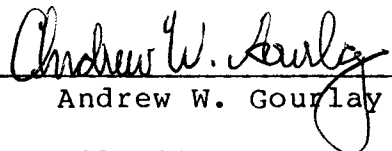
1. The GEORGINA claims are underlain by black shale, felsic volcanic rocks, maroon and grey schist, and andesite of the Myra Formation, part of the Sicker Group. These rocks have been intruded by fine to coarse grained diorite, and are unconformably overlain by fossiliferous sandstone and conglomerate of the Nanaimo Group.
2. Anomalous gold values of 3 and 4 g/tonne have been returned from samples collected at the waste pile of the Georgina Showing Winze. Geochemically anomalous copper and gold values are found in brecciated and siliceous felsic volcanic rocks that are cross-cut by pyrite stringers. Anomalously high copper values and weak gold values were returned from strataform sulphides and quartz-carbonate veins in Bonell Creek.
3. Geochemically anomalous gold values have been returned from silt samples collected from both Bonell and Nanoose Creeks.
4. The presence of brecciated felsic volcanic rocks cross-cut by pyrite stringers within the Myra Formation is encouraging. Geochemically anomalous gold and copper values from these rocks, and geochemically anomalous gold values from silts suggest that this property is prospective for auriferous massive sulphides similar to those found at Buttle Lake.

9.0

RECOMMENDATIONS

It is recommended that:

1. The remaining portions of Bonnell and Nanoose Creeks be silt sampled at 100 metre intervals.
2. A grid be established covering the felsic volcanic rock outcrops and then southeast to cover the copper showing in Bonnell Creek. Baseline should be oriented at 145° AZM, crosslines at 50 metre spacings.
3. Orientation soil and biogeochemical surveys be conducted over the felsic volcanic outcrops and along strike. Samples should be collected at 10 metre intervals along grid lines.
4. Geological mapping on the grid at an 1:2,500 scale.
5. Geophysical surveys be carried out on the grid. Magnetometry surveys to define the limits of the diorite, Crone EM surveys may prove an effective tool in locating sulphides.


Andrew W. Gourlay

May 11, 1987

10.0

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 Tempelman-Kluit, pp 8-1 to 8-23

APPENDIX I

Analytical Techniques

APPENDIX I

Analytical Techniques

All rock chip and silt samples were forwarded to Acme Analytical Labs in Vancouver, British Columbia for preparation and analysis.

Rock samples were crushed to $-3/16"$. A split of 200 grams was ground to 98% -100 mesh. Silt samples were dried and sieved to -80 mesh.

The prepared rock and silt samples were then subjected to a 30-element ICP (inductively coupled plasma) analytical technique, after digestions for one hour at 95°C in 3:1:2-HCl:HNO₃:H₂O. In addition, gold contents were determined by fire assay extraction followed by atomic absorption analysis. It is important to note that the ICP technique is only partial for several of the elements reported.

APPENDIX II

Laboratory Reports

CC: Nw6 21

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 MCL-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, Y, W, SI, ZR, CE, SN, Y, NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: ROCK CHIPS AU** ANALYSIS BY FA+AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JAN 30 1987 DATE REPORT MAILED: Feb 4/87 ASSAYER: D. J. ... DEAN TOYE, CERTIFIED B.C. ASSAYER.

MINEQUEST EXPLORATION PROJECT - GEORGINA FILE # 87-0196

PAGE 1

Table with columns: SAMPLE#, Me, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mo, Ba, Ti, R, Al, Na, K, W, Au** and rows of sample data (e.g., GRG 87101, GRG 87104, etc.)

33-200g
 (Rocks)

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

GEOCHEMICAL ICP ANALYSIS

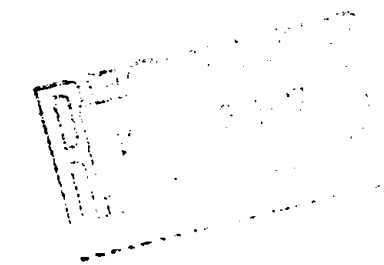
.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN, FE, CA, P, CR, MG, BA, TI, B, AL, NA, K, W, SI, ZR, CE, SM, Y, NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: ROCK CHIPS AU: ANALYSIS BY FA-AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: FEB 23 1987 DATE REPORT MAILED: Feb 27/87 ASSAYER: *D. Jeph* ... DEAN TOYE, CERTIFIED B.C. ASSAYER.

MINEQUEST EXPLORATION PROJECT - GEORGINA FILE # 87-0424

PAGE 1

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au#1
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
GR6-241	1	891	25	104	.2	17	100	2294	16.99	60	5	ND	7	48	1	2	2	92	9.09	.554	20	11	1.39	22	.02	9	2.35	.02	.04	2	13
GR6-242	1	71	4	70	.1	17	16	731	4.69	108	5	ND	5	56	1	5	2	74	6.68	.037	3	17	.66	1069	.01	11	.39	.01	.03	1	1
GR6-243	1	8550	4	43	11.6	79	5	1709	4.45	158	5	ND	4	125	1	2	2	31	21.69	.006	3	3	.77	4	.01	2	.26	.01	.01	4	13
GR6-244	1	21	11	12	.3	6	10	1105	5.50	8	5	ND	4	41	1	2	2	4	5.19	.036	3	3	.36	33	.01	7	.18	.01	.05	1	1
STD C	22	60	37	135	7.2	69	31	1023	3.96	38	16	8	35	49	17	15	22	64	.47	.101	37	60	.89	180	.08	37	1.71	.07	.14	13	-



W. H. W.
 5127
 1987
 LABORATORIES

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 NH.FE.CA.P.CR.NG.BA.TI.D.AL.NA.K.N.SI.ZR.CE.SN.Y.ND AND TA. NO DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: SILT - BONEHSH AUI ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: MAR 6 1987 DATE REPORT MAILED: *May 10/87* ASSAYER: *D. J. G.* DEAN TOYE. CERTIFIED B.C. ASSAYER.

MINEQUEST EXPLORATION PROJECT - GEORGINA FILE # 87-0613

PAGE 1

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	N	Aut
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
GRG-301	1	95	11	103	.4	39	18	790	5.31	13	6	ND	2	53	1	2	2	100	1.16	.051	6	42	1.18	217	.18	18	2.63	.07	.09	1	3
GRG-302	1	83	8	89	.2	39	17	738	4.81	14	5	ND	1	47	1	2	2	94	1.04	.050	6	39	1.14	215	.21	14	2.38	.06	.06	1	1
GRG-303	1	67	10	82	.2	32	15	683	5.36	6	5	ND	2	38	1	2	2	119	.89	.046	7	42	.92	162	.19	8	1.96	.04	.05	1	1
GRG-304	1	80	8	84	.2	36	16	656	4.91	11	5	ND	1	39	1	2	7	98	.94	.044	5	41	1.12	180	.19	13	2.25	.05	.05	1	1
GRG-305	1	82	7	79	.3	35	16	653	4.74	12	5	ND	1	41	1	2	3	99	.91	.047	6	37	1.08	187	.19	14	2.15	.05	.05	1	2
GRG-306	1	66	9	77	.2	34	15	594	4.15	10	5	ND	1	35	1	2	2	80	.85	.043	5	35	1.00	148	.17	15	1.97	.04	.05	1	1
GRG-307	1	75	9	81	.1	36	16	661	4.58	12	5	ND	1	38	1	2	2	85	.92	.047	5	38	1.11	153	.17	10	2.23	.05	.05	1	2
GRG-308	1	67	8	69	.2	29	15	553	5.13	11	5	ND	1	31	1	2	2	117	.78	.045	5	41	.91	167	.19	7	1.82	.04	.04	1	112
GRG-309	1	75	9	86	.3	37	16	635	4.66	10	5	ND	1	41	1	2	2	88	.90	.047	5	39	1.08	158	.16	11	2.16	.05	.04	1	1
GRG-310	1	27	3	42	.1	17	8	393	3.16	6	5	ND	1	24	1	2	2	93	.75	.036	6	33	.38	74	.19	2	1.42	.02	.03	1	2
GRG-311	1	59	7	63	.2	27	13	425	5.64	9	5	ND	1	32	1	2	2	150	.80	.053	7	43	.67	121	.17	4	1.57	.03	.04	1	134
GRG-312	1	91	14	108	.3	41	19	799	5.62	20	5	ND	1	46	1	2	2	95	1.02	.053	7	43	1.24	199	.14	9	2.70	.07	.09	1	2
GRG-313	1	70	12	147	.2	53	19	882	6.00	27	5	ND	1	17	1	2	2	92	.47	.039	11	37	.54	129	.05	4	1.80	.02	.05	1	1
GRG-314	2	40	11	89	.1	29	10	606	3.63	16	5	ND	1	26	1	2	2	87	.75	.045	10	26	.49	164	.12	5	1.69	.02	.03	1	1
GRG-315	2	33	7	100	.2	39	11	870	4.38	18	5	ND	1	22	1	2	2	80	.61	.028	14	29	.49	130	.16	7	1.86	.03	.03	1	1
GRG-316	3	53	18	130	.2	32	13	795	3.95	16	5	ND	1	31	1	2	2	88	.87	.064	13	30	.57	221	.12	11	2.11	.02	.04	1	2
GRG-317	1	31	7	67	.1	22	12	598	3.52	25	5	ND	1	26	1	2	2	73	.71	.042	7	23	.43	110	.12	6	1.11	.02	.03	1	2
GRG-318	1	31	8	63	.1	22	11	663	3.21	21	5	ND	1	34	1	2	2	75	.82	.041	7	25	.40	106	.14	7	1.20	.03	.03	1	158
GRG-319	1	27	8	57	.1	19	10	621	3.01	17	5	ND	1	26	1	2	2	82	.98	.040	6	23	.42	94	.18	4	1.24	.03	.03	1	1
GRG-320	1	28	8	50	.1	19	9	659	2.93	15	5	ND	1	27	1	2	2	81	1.00	.040	6	23	.42	83	.18	6	1.14	.03	.03	1	21
GRG-321	1	38	6	63	.2	24	12	470	3.15	24	5	ND	1	38	1	2	2	131	1.12	.041	7	41	.45	89	.17	5	1.41	.04	.03	1	2
GRG-322	1	35	8	71	.1	23	13	654	3.69	28	5	ND	1	27	1	2	2	94	.91	.039	7	30	.48	101	.18	6	1.40	.03	.03	1	1
GRG-323	1	45	10	91	.1	36	18	815	5.49	62	5	ND	1	20	1	2	2	116	.74	.044	6	38	.59	87	.18	6	1.30	.03	.03	1	1
GRG-324	1	36	12	66	.1	26	13	621	4.04	27	5	ND	1	34	1	2	2	102	.87	.041	6	29	.47	91	.17	7	1.33	.03	.03	1	3
GRG-325	1	44	10	69	.1	26	14	697	4.43	40	5	ND	1	22	1	2	2	110	.88	.040	7	30	.62	62	.22	5	1.42	.04	.03	1	1
GRG-326	1	51	9	55	.1	19	9	642	2.76	6	5	ND	1	28	1	2	2	90	.88	.053	12	28	.43	47	.19	5	2.03	.02	.02	1	2
GRG-327	1	30	11	58	.1	21	10	584	3.36	23	5	ND	1	25	1	2	2	87	.87	.042	6	26	.44	83	.17	4	1.18	.03	.03	1	1
GRG-328	1	35	7	63	.1	21	11	670	3.40	27	5	ND	1	27	1	2	2	86	.96	.043	6	26	.44	90	.17	8	1.21	.03	.03	1	1
GRG-329	1	25	7	48	.2	21	9	447	3.09	20	5	ND	1	21	1	2	2	86	.83	.038	5	24	.43	63	.19	4	1.02	.03	.03	1	1
GRG-330	1	33	9	56	.1	22	11	672	3.35	21	5	ND	1	27	1	2	2	89	.91	.040	6	29	.43	90	.18	5	1.44	.03	.03	1	2
GRG-331	1	29	5	50	.1	17	10	528	3.21	15	5	ND	1	24	1	2	2	91	.88	.035	5	25	.41	75	.19	8	1.21	.03	.02	1	1
GRG-332	1	31	5	52	.1	22	10	640	3.51	5	5	ND	1	31	1	2	2	91	.67	.041	11	42	.44	104	.17	2	2.72	.02	.03	1	1
GRG-333	1	28	4	54	.1	22	10	555	3.23	20	5	ND	1	26	1	2	2	88	.94	.037	6	24	.42	86	.17	4	1.21	.03	.02	1	1
GRG-334	1	27	10	65	.1	20	11	567	3.70	24	5	ND	1	22	1	2	2	88	.88	.036	6	22	.42	86	.17	4	1.21	.03	.02	1	1

APPENDIX III

Cost Statement

APPENDIX III

Cost Statement - Georgina Claims

January 1 to March 31, 1987

FEES, WAGES AND SALARIES

A.W. Gourlay	3 days	at \$385.00	\$ 1,155.00	
A.W. Gourlay	12 hours	at \$64.00	768.00	
R.J. Bilquist	5 days	at \$185.00	<u>925.00</u>	\$ 2,848.00

CASUAL STAFF

69.00

DISBURSEMENTS

Fuel and lubricants	36.83	
Taxis, parking, fares	44.00	
Groceries	15.62	
Food & accommodation	153.62	
Analyses	756.00	
Claim recording & renewal	<u>315.00</u>	
Telephone	9.90	
Drafting (est.)	350.00	
Reprographics	63.37	
Photocopies	40.00	
Maps	<u>21.12</u>	1,805.46
		<u>1,805.46</u>
		<u>\$ 4,722.46</u>

APPENDIX IV

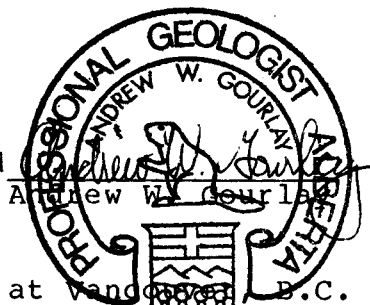
Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, Andrew W. Gourlay, hereby certify that:

1. I am presently employed by MineQuest Exploration Associates Ltd. as Senior Geologist
2. I am a graduate of the University of British Columbia (B.Sc. Hons., 1977, in geology).
3. I am a Professional Geologist in good standing with the Association of Professional Engineers, Geologists and Geophysicists of Alberta, and a Fellow of the Geological Association of Canada.
4. I have practised my profession as geologist for 10 years.
5. The information used in this report is based on notes, maps, and data on file at MineQuest Exploration Associates Ltd. and personal execution of the geological mapping.

Signed



Dated at Vancouver, B.C.
this 8th day of April, 1987

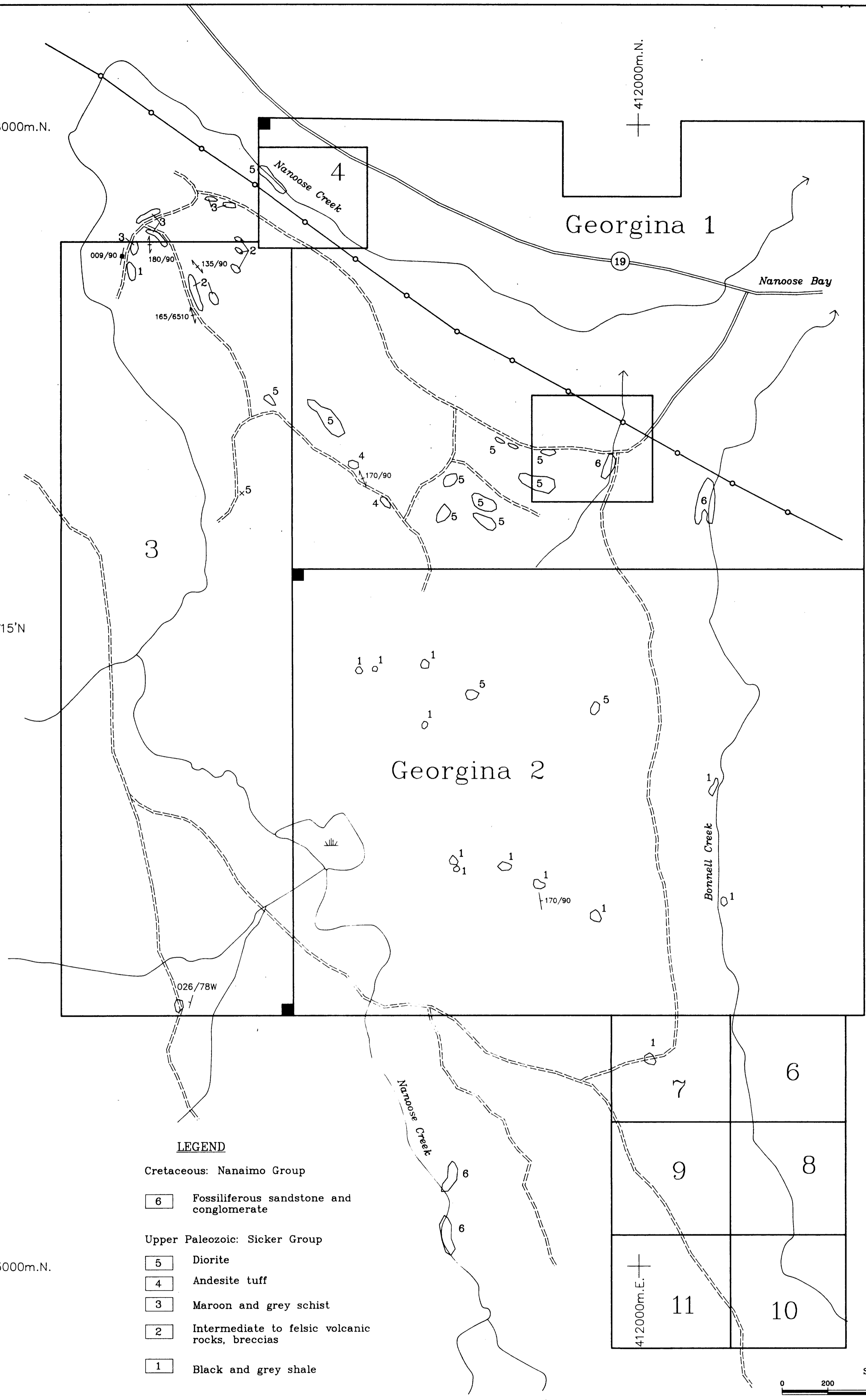
APPENDIX V

Statement of Exploration and Development



409000m.E.
5458000m.N.

412000m.N.



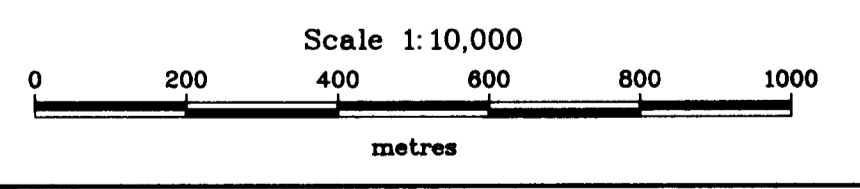
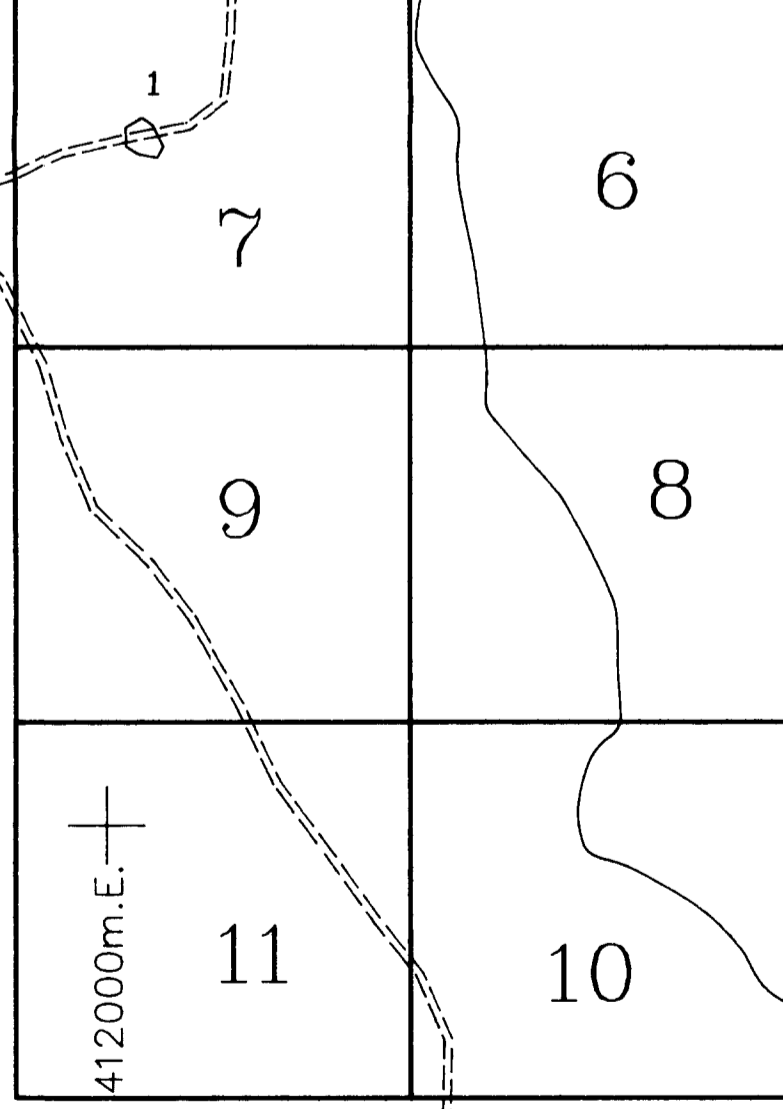
124°15'W
49°15'N

409000m.E.
5453000m.N.

LEGEND

- Cretaceous: Nanaimo Group
- 6 Fossiliferous sandstone and conglomerate
- Upper Paleozoic: Sicker Group
- 5 Diorite
 - 4 Andesite tuff
 - 3 Maroon and grey schist
 - 2 Intermediate to felsic volcanic rocks, breccias
 - 1 Black and grey shale

- bedding: strike/dip
- foliation: strike/dip
- fracture: strike/dip
- road
- outcrop



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

16,041

GEORGINA 1987 GROUP

PROPERTY GEOLOGY

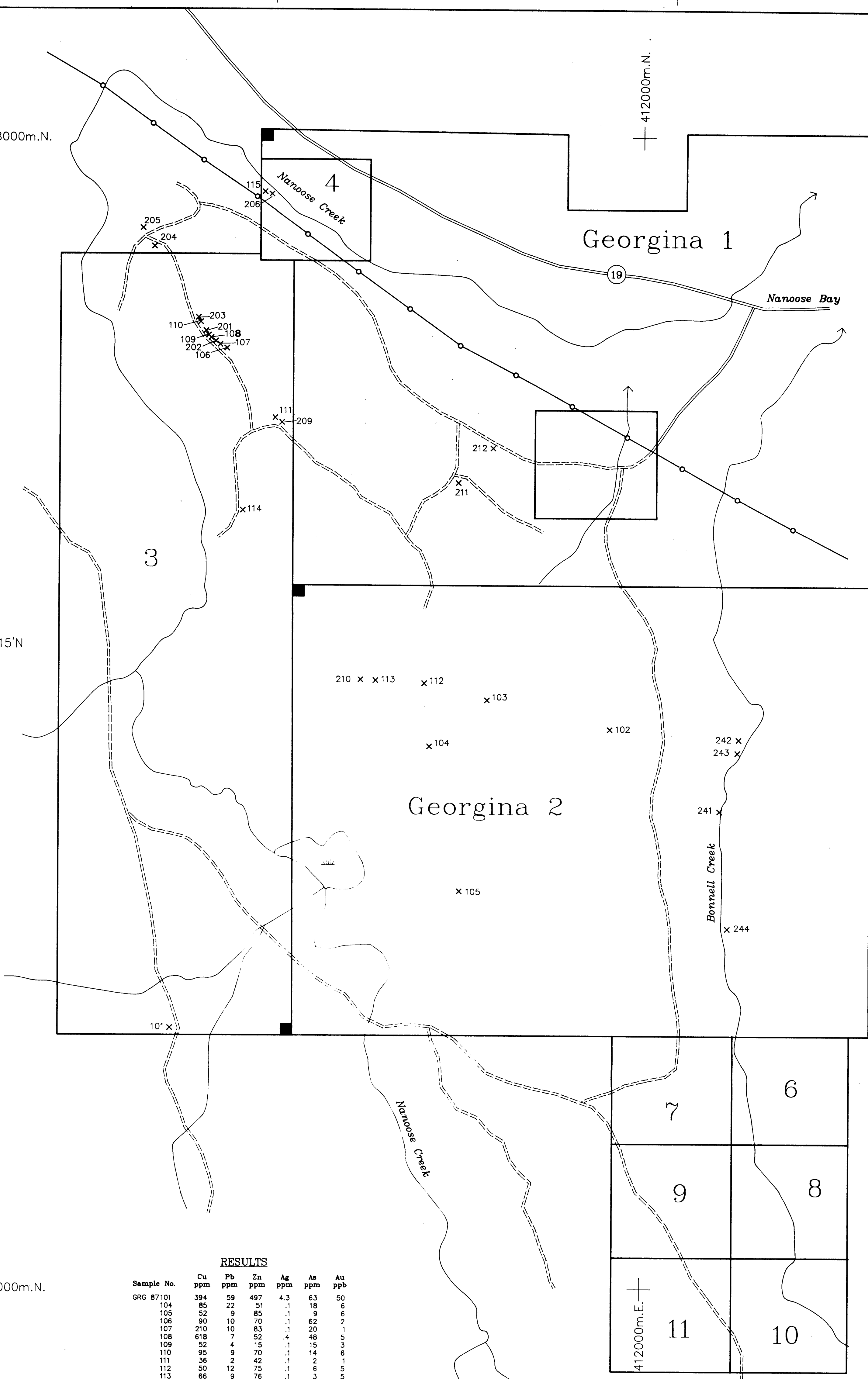
	Originator	Drawn	Date	PLAN No.	FIGURE
Original	AWG	Geo-Comp	MAR '87	995	4
Revision				N.T.S.	
Revision				92F/8,1	



409000m.E.
5458000m.N.

412000m.N.

124'15"W
49'15"N



409000m.E.
5453000m.N.

RESULTS

Sample No.	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Au ppb
GRG 87101	394	59	497	4.3	63	50
104	85	22	51	.1	18	6
105	52	9	85	.1	9	6
106	90	10	70	.1	62	2
107	210	10	83	.1	20	1
108	618	7	52	.4	48	5
109	52	4	15	.1	15	3
110	95	9	70	.1	14	6
111	36	2	42	.1	2	1
112	50	12	75	.1	6	5
113	66	9	76	.1	3	5
114	46	13	32	.1	6	4
115	85	2	4	1.2	3504	4110
201	84	2	24	.1	59	375
202	301	5	89	.1	48	4
203	187	5	54	.1	453	12
204	148	50	85	.1	32	6
206	630	2	11	.5	10	3420
208	11	2	23	.1	2	9
210	69	6	86	.1	2	3
211	19	3	23	.1	948	275
212	167	4	80	.1	26	4

Note: All samples prefixed "GRG 87"
 Samples not analysed: GRG 87207, 87103
 No samples numbered GRG 87207, 87209
 Complete analytical results are tabulated in Appendix II.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

16,041

GEORGINA 1987 GROUP

**GEOCHEMISTRY
ROCK SAMPLE LOCATIONS**

Original	Originator	Drawn	Date	PLAN No.	FIGURE
Revision	AWG	Geo-Comp	MAR '87	996	5
Revision				N.T.S.	
				92F/8.1	

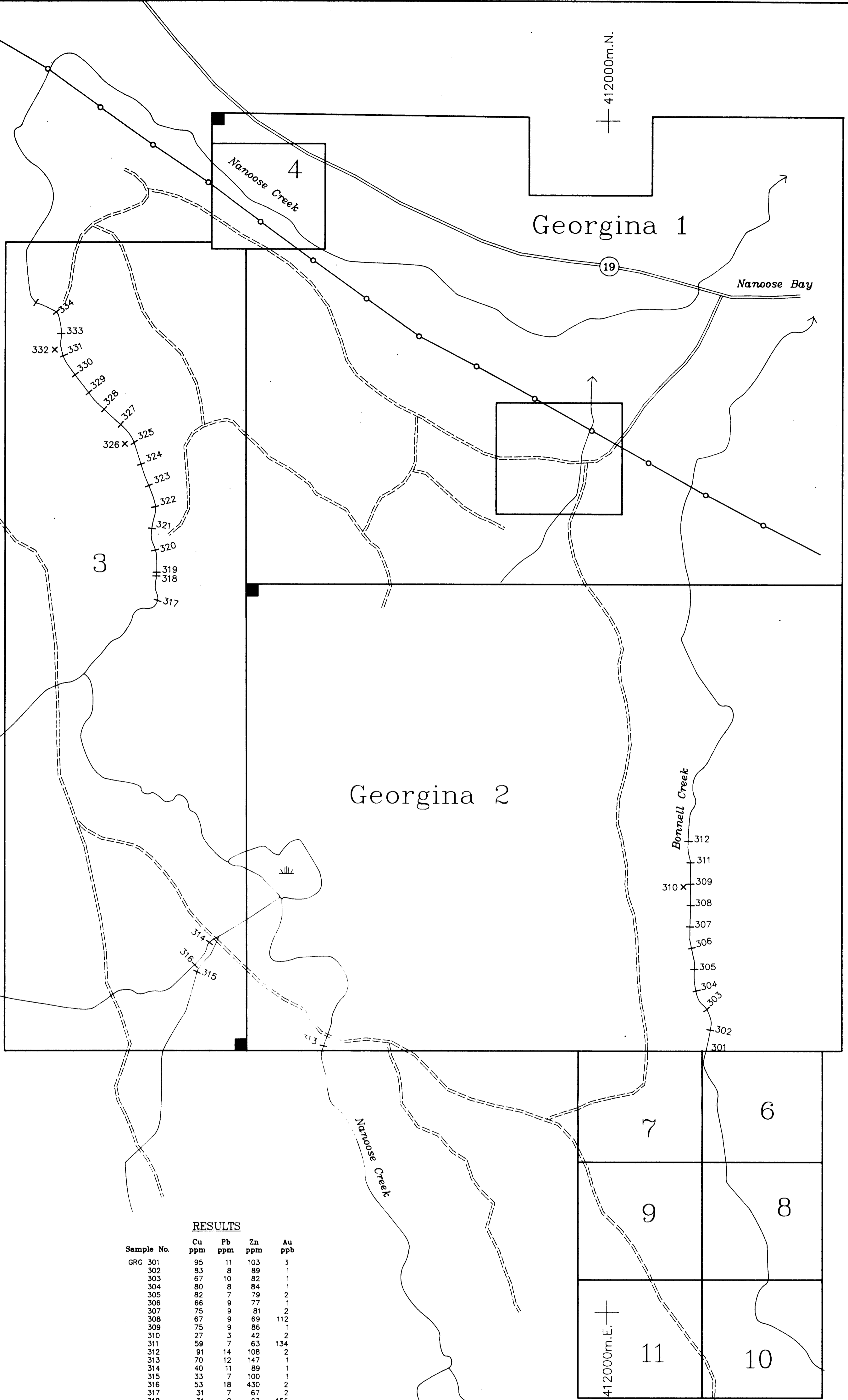
MINEQUEST EXPLORATION ASSOCIATES LTD.



409000m.E.
5458000m.N.

412000m.N.

124°15'W
49°15'N

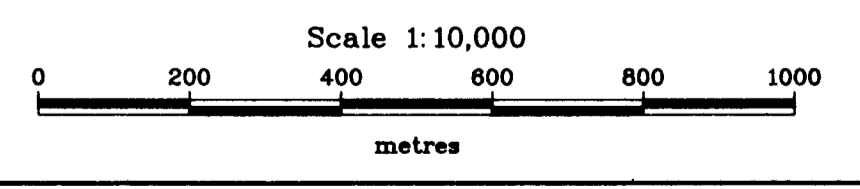
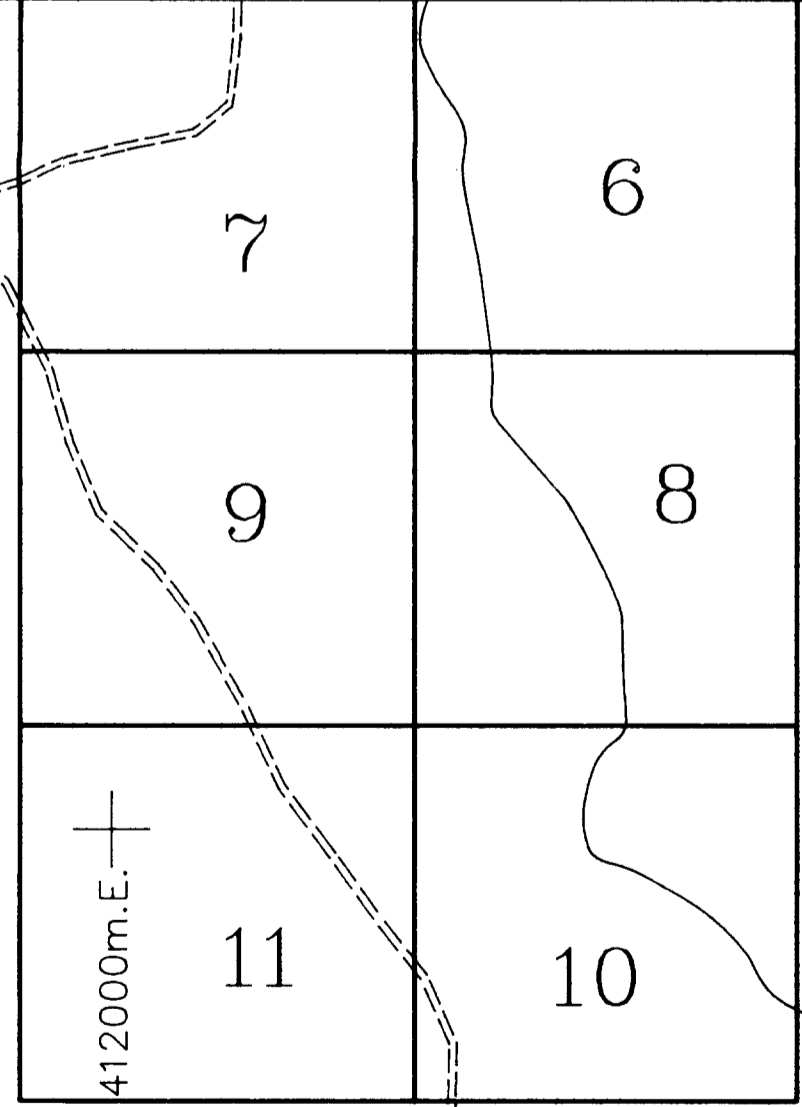


5453000m.N.
409000m.E.

RESULTS

Sample No.	Cu ppm	Pb ppm	Zn ppm	Au ppb
GRG 301	95	11	103	3
302	83	8	89	1
303	67	10	82	1
304	80	8	84	1
305	82	7	79	2
306	66	9	77	1
307	75	9	81	2
308	67	9	69	112
309	75	9	86	1
310	27	3	42	2
311	59	7	63	134
312	91	14	108	2
313	70	12	147	1
314	40	11	89	1
315	33	7	100	1
316	53	18	430	2
317	31	7	67	2
318	31	8	63	155
319	27	8	57	1
320	28	8	50	21
321	38	6	63	2
322	35	8	71	1
323	45	10	91	1
324	36	12	66	3
325	44	10	69	1
326	51	9	55	2
327	30	11	58	1
328	35	7	63	1
329	25	7	48	1
330	33	9	56	2
331	29	5	50	1
332	31	5	52	1
333	28	4	54	1
334	27	10	55	3

Note: All samples prefixed "GRG".
Complete analytical results are tabulated in Appendix II.



GEOLOGICAL BRANCH ASSESSMENT REPORT

16,041

GEORGINA 1987 GROUP				
GEOCHEMISTRY SILT SAMPLE LOCATIONS				
Originator	Drawn	Date	PLAN No.	FIGURE
Original	AWG	Geo-Comp	MAR '87	997
Revision			N.T.S.	6
Revision			92F/8,1	
MINEQUEST EXPLORATION ASSOCIATES LTD.				