

**BRITISH COLUMBIA**  
**PROSPECTORS ASSISTANCE PROGRAM**  
**MINISTRY OF ENERGY AND MINES**  
**GEOLOGICAL SURVEY BRANCH**

PROGRAM YEAR: 1998/99

REPORT #: PAP 98-24

NAME: GORDON RICHARDS

**BRITISH COLUMBIA  
PROSPECTORS ASSISTANCE PROGRAM  
PROSPECTING REPORT FORM (continued)**

**B. TECHNICAL REPORT**

- One technical report to be completed for each project area.
- Refer to Program Requirements/Regulations 15 to 17, page 6.
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Name Gordon G. Richards Reference Number 98/99 P52

**LOCATION/COMMODITIES**

Project Area (as listed in Part A) Tartu - Shields Sandstone MINFILE No. if applicable \_\_\_\_\_

Location of Project Area NTS 103 F 7+8 Lat 53° 25' N Long 132° 30' W

Description of Location and Access Rennell Sound area of Southwest Graham Island, Q.C.I. Access by logging roads and inflatable boat with outboard.

Main Commodities Searched For Gold

Known Mineral Occurrences in Project Area Courte Antimony - Gold occurrence lies just outside area.

**WORK PERFORMED**

1. Conventional Prospecting (area) 110 km<sup>2</sup>
2. Geological Mapping (hectares/scale) \_\_\_\_\_
3. Geochemical (type and no. of samples) 119 silts, 36 rocks, 2 soils
4. Geophysical (type and line km) \_\_\_\_\_
5. Physical Work (type and amount) \_\_\_\_\_
6. Drilling (no. holes, size, depth in m, total m) \_\_\_\_\_
7. Other (specify) \_\_\_\_\_

**SIGNIFICANT RESULTS**

Commodities few modest gold silt anomalies Claim Name \_\_\_\_\_

Location (show on map) Lat \_\_\_\_\_ Long \_\_\_\_\_ Elevation \_\_\_\_\_

Best assay/sample type \_\_\_\_\_

Description of mineralization, host rocks, anomalies \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Supporting data must be submitted with this TECHNICAL REPORT**

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## Tartu - Shields - Sandstone

## Rock Descriptions

- 98R25 Float - angular rubble from landslide material NE side of creek. 100% clay-pyrite-altered mottled rhyo-dacite.
- R52 Float - silicified rhyolite with 2% diss py.
- R57 Float - silicified (?), hornfelsed(?) low sd rhyolite.
- R59 Float - cinkeritic boulders on shore.
- R65 Float - Argillite with quartz-carbonate-py veinlets.
- R68 Float - Silicified Kunga - black limestone or limy argillite with quartz veinlets and minor sulphide.
- R69 Float - as for R68. more qtz veining less carb in original rock.
- R73 Float - one piece very silicified argillite with quartz veinlets and trace pyrite (3%). Much hbd qtz diar float.
- R116 Float - Volcanic with carb alt<sup>n</sup> with blebs hig py and py frags.
- R117 Float - silicified volcanoclastic with very fine grained pyrite 3%.
- R120 Float - sulfatic altered volcanic
- R121 Float - quartz with low pyrite.
- R122 Float - 10% pyrite-streaks + blebs in local silic<sup>d</sup> carb alt<sup>d</sup> volcanic.
- R174 Outcrop - Fspar  $\pi$  'andes' with 2-3% diss py.
- R175 Outcrop - Amygdaloidal volcanic; high calcite w  $\frac{1}{2}$ % py.
- R176 Float - soft andesite with 5-10% frac + diss py
- R177 Outcrop - soft andesite with 5-10% pyrite. Agglom texture in creek.
- R178 Outcrop - as above but harder. Some silica introduced.
- R179 Float - Andesite with weak fspen destructive alt<sup>n</sup>, 5% py. mottled appearance.
- R180 Float - Aphanitic greenish white with black very fig. py fractures
- R181 Float - Dark green andesite, 8% frac + diss pyrite.
- R182 Float - Quartz eye rhyolite w 2% crystalline pyrite.

## Tartu - Shields - Sandstone

## Rock Descriptions

- 98 R 183 Float - carbonate altered basalt-andesite with 2% pyrite.
- R 185 Outcrop - sheared porphyritic andesite, low sd
- R 186 Float - fig. intrusive or ~~and~~ volcanic 2-3% diss py.
- R 187 Outcrop - mg. dior to andesite w 4% py.
- R 188 Outcrop - calcite - pyrite altered "diorite" (?)
- R 189 Outcrop - 3% pyrite altered andesite.
- R 190 Float - 1% pyrite in intrusive looking diorite-andesite.
- R 192 Outcrop - clay altered fragmental fspal X1 tuff with low silica zones + calcite + green mineral.
- R 196 Float bleached sandstone with 1/2 to 3% pyrite. (Kunga?)
- R 199 Float - rhyolite with <math>\frac{1}{2}</math> % py very fine grained.
- R 200 Float - rhyolite.

**BRITISH COLUMBIA  
PROSPECTORS ASSISTANCE PROGRAM  
PROSPECTING REPORT FORM (continued)**

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Name Gordon G. Richards Reference Number 98/99 P52

**LOCATION/COMMODITIES**

Project Area (as listed in Part A) Dawson MINFILE No. if applicable \_\_\_\_\_  
 Location of Project Area NTS 103F2 Lat 58°10'N Long 132°30'W  
 Description of Location and Access Southwest corner of Graham Island accessed by inflatable boat with 25HP outboard from Jakes Landing at end of logging road northwest of Deena Creek bridge Moresby Island, B.C.I.  
 Main Commodities Searched For Gold

Known Mineral Occurrences in Project Area nil

**WORK PERFORMED**

1. Conventional Prospecting (area) 8.5 Km<sup>2</sup>
2. Geological Mapping (hectares/scale) \_\_\_\_\_
3. Geochemical (type and no. of samples) 18 silts 3 rocks
4. Geophysical (type and line km) \_\_\_\_\_
5. Physical Work (type and amount) \_\_\_\_\_
6. Drilling (no. holes, size, depth in m, total m) \_\_\_\_\_
7. Other (specify) \_\_\_\_\_

**SIGNIFICANT RESULTS**

Commodities nil Claim Name \_\_\_\_\_  
 Location (show on map) Lat \_\_\_\_\_ Long \_\_\_\_\_ Elevation \_\_\_\_\_  
 Best assay/sample type \_\_\_\_\_

Description of mineralization, host rocks, anomalies \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Supporting data must be submitted with this TECHNICAL REPORT**

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Dawson

Rock Descriptions

98R250 Float rhyolite low py.

R 265 Float subvolcanic sulfatic volcanic banded w 10% f.g. py.

R 270 Float sulfatic altered rhyolite w 10% pyrite

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Name Gordon G. Richards Reference Number 98/99 P52

**LOCATION/COMMODITIES**

Project Area (as listed in Part A) Deena - Mosquito MINFILE No. if applicable \_\_\_\_\_

Location of Project Area NTS 103F1 Lat 53°07'N Long 132°12'W

Description of Location and Access South central Graham Island accessed by inflatable boat and outboard from Jakes Landing northwest from Deena CK bridge. North central Annesby Island accessed by logging roads from Sandspit B.C.I.

Main Commodities Searched For Gold

Known Mineral Occurrences in Project Area nil. Old Cimadere VMS occurrence lies just immediately west of Project Area.

**WORK PERFORMED**

1. Conventional Prospecting (area) 55 Km<sup>2</sup>
2. Geological Mapping (hectares/scale) \_\_\_\_\_
3. Geochemical (type and no. of samples) 11 silts 2 rocks 10 soils
4. Geophysical (type and line km) \_\_\_\_\_
5. Physical Work (type and amount) \_\_\_\_\_
6. Drilling (no. holes, size, depth in m, total m) \_\_\_\_\_
7. Other (specify) \_\_\_\_\_

**SIGNIFICANT RESULTS**

Commodities Cu, Pb, Zn, Ba, Ag, Au Claim Name A-FRAME

Location (show on map) Lat 53°05'N Long 132°15'W Elevation 1000 ft.

Best assay/sample type none collected. Property is a restaking of old CIMADERE property known for VMS style mineralization.

Description of mineralization, host rocks, anomalies  
VMS style mineralization is composed of pods of massive barite and massive sulphide mineralization lying within a fault that bounds suspected Sicker age volcanic-sediments within Karmutsen greenstones. Some bands (beds?) of sulphide mineralization occur within the "Sicker" rocks

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Deena-Mosquito

Rock Descriptions

98D27 Float · Silicified (?) with 1/2%  $\pm$  g pyrite

D369 Float Several pieces 8 cm wide qtz vein w weak cockscomb texture  
Cpy blebs common in centre of vein. Wkly vuggy. V low py.  
Wallrock is Kamutson gneiss.



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Name Gordon G. Richards Reference Number 98/99 P52

**LOCATION/COMMODITIES**

Project Area (as listed in Part A) Kectenay MINFILE No. if applicable \_\_\_\_\_

Location of Project Area NTS 103C 16 Lat 52°50'N Long 132°07'W

Description of Location and Access Northwest of Tasi Sound in West central Mearesby Island accessed by inflatable boat to Sewell Camp, a Western Forest Product logging camp, and then by logging roads throughout the area.

Main Commodities Searched For Gold

Known Mineral Occurrences in Project Area Blue Mule - gold in quartz vein within Kameisa greenstones. Also extensive gold anomalies silted from last years prospecting.

**WORK PERFORMED**

1. Conventional Prospecting (area) 7.5 km<sup>2</sup>
2. Geological Mapping (hectares/scale) 4 1/2 km of road mapped @ 1:10,000
3. Geochemical (type and no. of samples) 35 silts 15 rocks 40 soils
4. Geophysical (type and line km) \_\_\_\_\_
5. Physical Work (type and amount) \_\_\_\_\_
6. Drilling (no. holes, size, depth in m, total m) \_\_\_\_\_
7. Other (specify) \_\_\_\_\_

**SIGNIFICANT RESULTS**

Commodities Gold Claim Name STEAK 1

Location (show on map) Lat 52°50'N Long 132°07'W Elevation 50-300ft

Best assay/sample type 535 ppb Au from angular float quartz with 1-3% very fine arsenopyrite.

Description of mineralization, host rocks, anomalies Section of road ditch soil sampled by D201 to D216 displays decalcification of limy argillite with variable silicification. Soils were weakly anomalous and included variable till component.

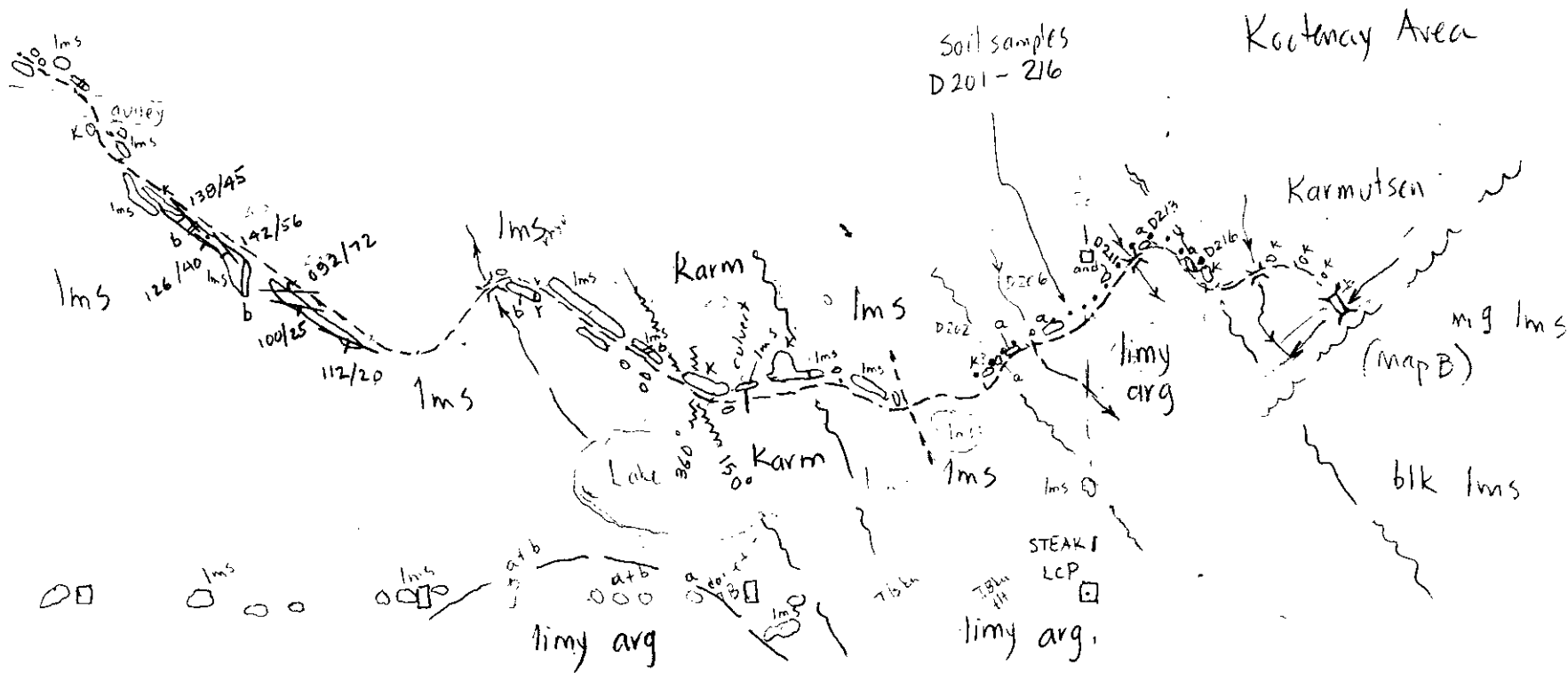
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## Kootenay

## Rock Descriptions

- 98 D49 Float 20 cm long angular qtz vein + silicified (?) w clay alteration  
veinlets, blebs + mostly disseminations aspy.
- D52 Outcrop Silicified argillite w irregular qtz fractures + v low s $\phi$ .
- D53 Float Purple dacite 2-5% py blebs + fractures
- D54 Float Silicified, cracked thin bedded Kunga arg no s $\phi$ .
- D67 Float Hemfelsed or silicified thin bedded Kunga
- D131 Outcrop Carbonate matrix breccia. Black lms frags. No or little quartz
- D132 Float Very angular fs par TC<sup>c</sup> rhyolite with 2% diss-fruc py.
- D138 Float Angular sintery argillite rubble from ditch outcrop.
- D139 Outcrop Fault zone in Karimutsen w slickenside pyrite.
- D140 Subcrop Silicified + qtz veins banded bleached (hemfelsed?) thin-bedded  
Kunga with several % leached s $\phi$ .
- D229 Float 10 cm qtz vein with trace py in clay-py altered volcanic.
- D230 Float Angular sulfatic w silicification volcanic
- D234 Outcrop Silicified rusty porphyritic andesite.
- D236 Float 20 cm wide white quartz.
- D237 Float Rhyolite breccia with dark matrix, 1-5% fig. pyrite



pullout

culvert

road

bridge

outcrop

a = argillite

b = basalt

and = andesite

d = dacite

r = rhyolite

lms = massive grey limestone

K = Karmutsen greenstone

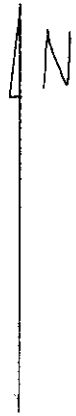
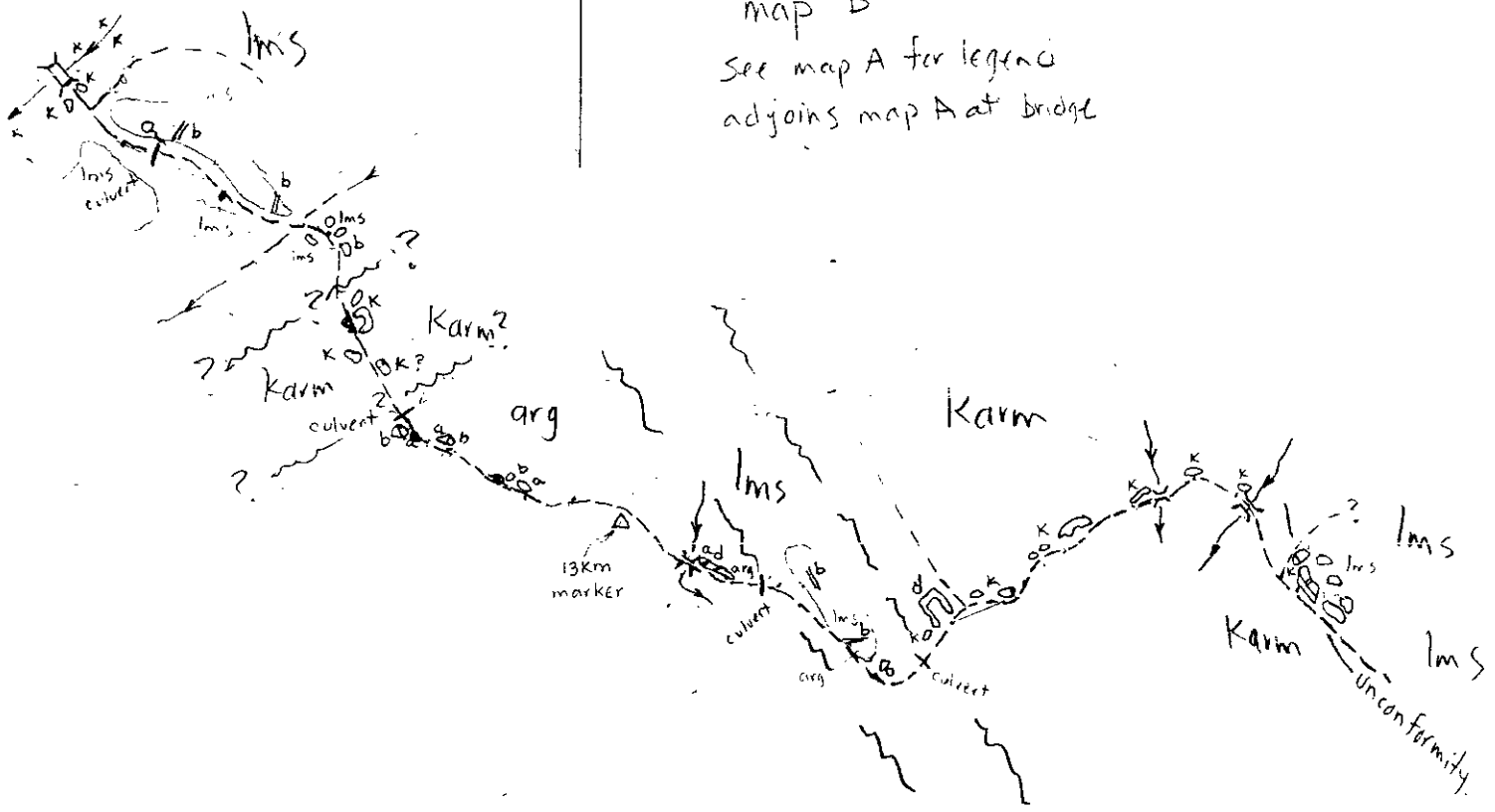
~ creek

□ claim post

• soil sample

~ fault

(Map A)



Kootenay Area

1:10,000

map B  
see map A for legend  
adjoins map A at bridge

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Name Gordon G. Richards Reference Number 98/99 P52

**LOCATION/COMMODITIES**

Project Area (as listed in Part A) Sewell MINFILE No. if applicable \_\_\_\_\_

Location of Project Area NTS 103B13 Lat 52°53'N Long 132°52'W

Description of Location and Access East central Moresby Island accessed by inflatable boat with out board from Sewell, a western Forest Products logging camp at the head of Sewell Inlet, and from Moresby Camp at west end Cumshewa Inlet Q.C.T.

Main Commodities Searched For Gold

Known Mineral Occurrences in Project Area nil

**WORK PERFORMED**

1. Conventional Prospecting (area) 65 km<sup>2</sup>
2. Geological Mapping (hectares/scale) \_\_\_\_\_
3. Geochemical (type and no. of samples) 22 silts 2 rocks 2 soils
4. Geophysical (type and line km) \_\_\_\_\_
5. Physical Work (type and amount) \_\_\_\_\_
6. Drilling (no. holes, size, depth in m, total m) \_\_\_\_\_
7. Other (specify) \_\_\_\_\_

**SIGNIFICANT RESULTS**

Commodities nil Claim Name \_\_\_\_\_

Location (show on map) Lat \_\_\_\_\_ Long \_\_\_\_\_ Elevation \_\_\_\_\_

Best assay/sample type \_\_\_\_\_

Description of mineralization, host rocks, anomalies \_\_\_\_\_

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Sewell

Rock Descriptions

98D309 Float. Acidic volcanic with fracture sulphide

D311 Float Rhyolite with hairline fracture pyrite and muscovite(?)



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
VANCOUVER, BC  
V5Z 3N4

Project :  
Comments: ATTN: GORDON RICHARDS

Page Number : 1  
Total Pages : 3  
Certificate Date: 27-NOV-1998  
Invoice No. : 19836819  
P.O. Number :  
Account : NDJ

## CERTIFICATE OF ANALYSIS A9836819

SAMPLE	PREP CODE	Au ppb FA+AA												
98D6	244 --	< 5												
98D9	244 --	< 5												
98D10	244 --	< 5												
98D27	244 --	< 5												
98D45	244 --	< 5												
98D46	244 --	< 5												
98D49	244 --	535												
98D52	244 --	< 5												
98D53	244 --	< 5												
98D54	244 --	< 5												
98D67	244 --	< 5												
98D76	244 --	25												
98D89	244 --	< 5												
98D92	244 --	< 5												
98D107	244 --	50												
98D125	244 --	< 5												
98D131	244 --	10												
98D132	244 --	< 5												
98D138	244 --	20												
98D139	244 --	< 5												
98D140	244 --	< 5												
98D217	244 --	< 5												
98D218	244 --	630												
98D219	244 --	255												
98D220	244 --	125												
98D221	244 --	525												
98D222	244 --	< 5												
98D225	244 --	5												
98D229	244 --	< 5												
98D230	244 --	< 5												
98D234	244 --	10												
98D236	244 --	< 5												
98D237	244 --	< 5												
98D252	244 --	< 5												
98D254	244 --	< 5												
98D257	244 --	< 5												
98D261	244 --	< 5												
98D284	244 --	< 5												
98D285	244 --	10												
98D293	244 --	< 5												

MINISTRY OF ENERGY & MINES  
REC'D FEB 10 1999  
SMITHERS, BC

CERTIFICATION: *[Signature]*



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212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
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V5Z 3N4

Project :  
Comments: ATTN: GORDON RICHARDS

Page Number :2  
Total Pages :3  
Certificate Date: 27-NOV-1998  
Invoice No. :19836819  
P.O. Number :  
Account :NDJ

## CERTIFICATE OF ANALYSIS A9836819

SAMPLE	PREP CODE	Au ppb FA+AA										
98D309	244 --	10										
98D311	244 --	< 5										
98D336	244 --	155										
98D347	244 --	< 5										
98D351	244 --	20										
98D369	244 --	15										
98R25	244 --	< 5										
98R41	244 --	< 5										
98R49	244 --	< 5										
98R52	244 --	60										
98R57	244 --	< 5										
98R59	244 --	< 5										
98R65	244 --	< 5										
98R68	244 --	< 5										
98R69	244 --	< 5										
98R73	244 --	10										
98R82	244 --	25										
98R83	244 --	25										
98R84	244 --	60										
98R85	244 --	220										
98R90	244 --	< 5										
98R91	244 --	< 5										
98R97	244 --	< 5										
98R116	244 --	< 5										
98R117	244 --	< 5										
98R120	244 --	< 5										
98R121	244 --	< 5										
98R122	244 --	< 5										
98R132	244 --	< 5										
98R147	244 --	< 5										
98R148	244 --	< 5										
98R150	244 --	< 5										
98R174	244 --	< 5										
98R175	244 --	< 5										
98R176	244 --	< 5										
98R177	244 --	< 5										
98R178	244 --	< 5										
98R179	244 --	< 5										
98R180	244 --	< 5										
98R181	244 --	< 5										

CERTIFICATION: *[Signature]*





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## CERTIFICATE OF ANALYSIS A9836819

SAMPLE	PREP CODE	Au ppb FA+AA										
98R182	244 --	< 5										
98R183	244 --	< 5										
98R185	244 --	< 5										
98R186	244 --	< 5										
98R187	244 --	< 5										
98R188	244 --	< 5										
98R189	244 --	< 5										
98R190	244 --	< 5										
98R192	244 --	< 5										
98R196	244 --	< 5										
98R199	244 --	< 5										
98R200	244 --	< 5										
98R201	244 --	< 5										
98R202	244 --	< 5										
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98R216	244 --	< 5										
98R217	244 --	< 5										
98R231	244 --	< 5										
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98R265	244 --	< 5										
98R270	244 --	90										
98R274	244 --	< 5										
98R275	244 --	< 5										
98R280	244 --	10										

CERTIFICATION: *John Vank*



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Project :  
Comments: ATTN: GORDON RICHARDS

Page Number : 1  
Total Pages : 8  
Certificate Date: 27-NOV-1998  
Invoice No. : I9836817  
P.O. Number :  
Account : NDJ

## CERTIFICATE OF ANALYSIS

A9836817

SAMPLE	PREP CODE	Au ppb EXT-AA	fusion wt. gm															
98D1	244 --	< 1	30.12															
98D2	244 --	< 1	30.78															
98D3	244 --	< 1	30.59															
98D4	244 --	< 1	30.25															
98D5	244 --	< 1	30.38															
98D7	244 --	< 1	30.68															
98D8	244 --	< 1	30.59															
98D11	244 --	< 2	15.16															
98D12	244 --	< 1	30.09															
98D13	244 --	< 1	30.17															
98D14	244 --	< 6	5.02															
98D15	244 --	< 6	5.08															
98D26	244 --	18	15.04															
98D28	244 --	< 1	30.16															
98D29	244 --	< 3	10.02															
98D30	244 --	< 2	15.06															
98D31	244 --	< 2	15.08															
98D32	244 --	< 2	15.06															
98D33	244 --	8	15.14															
98D34	244 --	2	30.16															
98D35	244 --	< 3	10.09															
98D36	244 --	< 6	5.38															
98D37	244 --	< 6	5.03															
98D38	244 --	< 2	15.19															
98D39	244 --	< 2	15.04															
98D40	244 --	< 1	30.17															
98D41	244 --	5	30.16															
98D42	244 --	< 1	30.23															
98D43	244 --	< 2	15.01															
98D44	244 --	3	30.52															
98D47	244 --	< 1	30.04															
98D48	244 --	< 2	15.36															
98D50	244 --	< 2	15.27															
98D51	244 --	< 1	30.06															
98D55	244 --	< 1	30.30															
98D56	244 --	< 1	30.05															
98D57	244 --	< 2	15.08															
98D58	244 --	< 1	30.50															
98D59	244 --	< 1	30.17															
98D60	244 --	< 1	30.20															

CERTIFICATION: Hart Richls +



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 British Columbia, Canada V7J 2C1  
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Page Number :2  
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 Account : NDJ

Project :  
 Comments: ATTN: GORDON RICHARDS

## CERTIFICATE OF ANALYSIS A9836817

SAMPLE	PREP CODE	Au ppb EXT-AA	fusion wt. gm										
98D61	244 --	< 2	15.06										
98D62	244 --	< 2	15.17										
98D63	244 --	24	30.47										
98D64	244 --	< 2	15.14										
98D65	244 --	< 2	15.09										
98D66	244 --	< 1	30.05										
98D68	244 --	< 1	30.05										
98D69	244 --	< 2	15.12										
98D70	244 --	< 2	15.37										
98D71	244 --	< 2	15.20										
98D72	244 --	< 2	15.18										
98D73	244 --	< 2	15.57										
98D74	244 --	< 2	15.14										
98D75	244 --	< 1	30.10										
98D77	244 --	20	15.06										
98D78	244 --	6	5.07										
98D79	244 --	< 6	5.12										
98D80	244 --	3	10.05										
98D81	244 --	3	10.76										
98D82	244 --	not/ss	not/ss										
98D83	244 --	not/ss	not/ss										
98D84	244 --	280	5.73										
98D85	244 --	not/ss	not/ss										
98D86	244 --	not/ss	not/ss										
98D87	244 --	< 5	5.48										
98D88	244 --	not/ss	not/ss										
98D90	244 --	< 6	5.05										
98D91	244 --	< 6	5.12										
98D93	244 --	not/ss	not/ss										
98D94	244 --	3	30.10										
98D95	244 --	< 6	5.20										
98D96	244 --	< 6	5.04										
98D97	244 --	< 6	5.13										
98D98	244 --	< 5	5.71										
98D99	244 --	< 2	15.09										
98D100	244 --	< 1	30.36										
98D101	244 --	< 2	15.13										
98D102	244 --	< 1	30.40										
98D103	244 --	< 2	15.08										
98D104	244 --	< 1	30.26										

CERTIFICATION: Walter Richler +



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To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Page Number :3  
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 Invoice No. : I9836817  
 P.O. Number :  
 Account : NDJ

Project :  
 Comments: ATTN: GORDON RICHARDS

<b>CERTIFICATE OF ANALYSIS</b>	<b>A9836817</b>
--------------------------------	-----------------

SAMPLE	PREP CODE	Au ppb EXT-AA	fusion wt. gm								
98D105	244 --	< 2	15.51								
98D106	244 --	< 2	15.37								
98D108	244 --	< 3	10.16								
98D109	244 --	11	30.51								
98D110	244 --	12	15.35								
98D111	244 --	135	10.35								
98D112	244 --	< 6	5.14								
98D113	244 --	33	15.44								
98D114	244 --	< 6	5.32								
98D115	244 --	21	15.41								
98D116	244 --	3	10.23								
98D117	244 --	22	15.33								
98D118	244 --	95	15.43								
98D119	244 --	29	15.30								
98D120	244 --	26	15.28								
98D121	244 --	12	10.38								
98D122	244 --	10	30.38								
98D123	244 --	195	15.35								
98D124	244 --	20	10.44								
98D126	244 --	< 1	30.47								
98D127	244 --	< 3	10.38								
98D128	244 --	< 1	30.35								
98D129	244 --	79	15.21								
98D130	244 --	6	15.36								
98D133	244 --	< 3	10.31								
98D134	244 --	3	10.50								
98D135	244 --	2	15.44								
98D136	244 --	9	10.36								
98D137	244 --	410	10.27								
98D141	244 --	< 3	10.33								
98D142	244 --	< 3	10.40								
98D143	244 --	< 1	30.39								
98D144	244 --	< 2	15.54								
98D145	244 --	< 2	15.25								
98D146	244 --	4	30.13								
98D147	-- --	NotRcd	NotRcd								
98D148	-- --	NotRcd	NotRcd								
98D149	-- --	NotRcd	NotRcd								
98D150	-- --	NotRcd	NotRcd								
98D151	244 --	< 1	30.26								

CERTIFICATION: Hart Richards +



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6170 TISDALL ST.,  
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 V5Z 3N4

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## CERTIFICATE OF ANALYSIS

### A9836817

SAMPLE	PREP CODE	Au ppb EXT-AA	fusion wt. gm									
98D152	244 --	8	30.76									
98D153	244 --	43	30.09									
98D154	244 --	16	30.45									
98D155	244 --	125	31.18									
98D156	244 --	8	30.25									
98D157	244 --	76	30.44									
98D158	244 --	48	31.67									
98D159	244 --	10	30.60									
98D160	244 --	8	30.53									
98D161	244 --	10	31.31									
98D162	244 --	12	31.50									
98D163	244 --	15	30.75									
98D164	244 --	10	30.29									
98D165	244 --	19	30.03									
98D166	244 --	< 1	31.41									
98D167	244 --	< 1	30.88									
98D168	244 --	< 1	30.81									
98D169	244 --	120	30.21									
98D170	244 --	110	30.26									
98D171	244 --	410	30.40									
98D172	244 --	19	30.06									
98D173	244 --	38	31.18									
98D174	244 --	not/ss	not/ss									
98D175	244 --	not/ss	not/ss									
98D176	244 --	4	15.04									
98D177	244 --	70	30.70									
98D178	244 --	< 2	15.98									
98D179	244 --	13	30.83									
98D180	244 --	< 1	31.01									
98D181	244 --	26	15.29									
98D182	244 --	47	30.64									
98D183	244 --	360	15.88									
98D184	244 --	< 1	30.08									
98D185	244 --	45	10.00									
98D186	244 --	27	10.00									
98D187	244 --	40	15.00									
98D188	244 --	5	30.26									
98D189	244 --	17	30.26									
98D190	244 --	54	5.00									
98D191	244 --	6	15.13									

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Project :

Comments: ATTN: GORDON RICHARDS

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## CERTIFICATE OF ANALYSIS

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SAMPLE	PREP CODE	Au ppb EXT-AA	fusion wt. gm												
98D192	244 --	60	5.00												
98D193	244 --	75	10.00												
98D194	244 --	17	31.38												
98D195	244 --	33	15.42												
98D196	244 --	8	15.84												
98D197	244 --	< 3	10.00												
98D198	244 --	12	10.00												
98D199	244 --	30	15.00												
98D200	244 --	< 2	15.00												
98D201	244 --	4	15.00												
98D202	244 --	4	15.00												
98D203	244 --	52	15.00												
98D204	244 --	4	15.00												
98D205	244 --	6	30.52												
98D206	244 --	46	15.02												
98D207	244 --	< 2	15.00												
98D208	244 --	6	30.39												
98D209	244 --	8	15.43												
98D210	244 --	5	31.28												
98D211	244 --	4	15.63												
98D212	244 --	12	15.41												
98D213	244 --	6	30.46												
98D214	244 --	17	15.56												
98D215	244 --	16	15.29												
98D216	244 --	10	15.64												
98D223	244 --	6	15.51												
98D224	244 --	6	10.72												
98D226	244 --	2	15.07												
98D227	244 --	< 1	30.29												
98D228	244 --	4	15.58												
98D231	244 --	37	30.37												
98D232	244 --	< 3	10.25												
98D233	244 --	< 2	15.75												
98D235	244 --	2	15.09												
98D238	244 --	2	15.94												
98D239	244 --	340	15.00												
98D240	244 --	115	15.00												
98D241	244 --	8	15.00												
98D242	244 --	2	15.00												
98D243	244 --	32	15.00												

CERTIFICATION:

*Hart Kehler*



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6170 TISDALL ST.,  
VANCOUVER, BC  
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## CERTIFICATE OF ANALYSIS

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SAMPLE	PREP CODE	Au ppb EXT-AA	fusion wt. gm											
98D244	244 --	6	15.39											
98D245	244 --	< 2	15.18											
98D246	244 --	6	16.06											
98D247	244 --	18	15.34											
98D248	244 --	4	15.71											
98D249	244 --	< 2	15.41											
98D250	244 --	< 2	15.80											
98D251	244 --	< 3	10.48											
98D253	244 --	< 2	15.60											
98D255	244 --	< 3	10.75											
98D256	244 --	< 5	5.84											
98D258	244 --	< 2	15.24											
98D259	244 --	< 2	15.26											
98D260	244 --	< 2	15.01											
98D262	244 --	< 2	15.97											
98D263	244 --	< 3	10.30											
98D264	244 --	< 2	15.17											
98D265	244 --	3	10.64											
98D266	244 --	< 5	5.78											
98D267	244 --	< 2	15.79											
98D268	244 --	< 3	10.46											
98D269	244 --	< 3	10.80											
98D270	244 --	< 2	15.46											
98D271	244 --	< 3	10.37											
98D272	244 --	13	15.80											
98D273	244 --	< 6	5.20											
98D274	244 --	< 5	5.86											
98D275	244 --	< 3	10.21											
98D276	244 --	< 3	10.79											
98D277	244 --	< 3	10.75											
98D278	244 --	3	10.67											
98D279	244 --	18	15.24											
98D280	244 --	4	15.48											
98D281	244 --	< 2	15.46											
98D282	244 --	< 3	10.09											
98D283	244 --	< 3	10.15											
98D286	244 --	< 3	10.46											
98D287	244 --	< 3	10.37											
98D288	244 --	< 3	10.08											
98D289	244 --	< 2	15.20											

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6170 TISDALL ST.,  
VANCOUVER, BC  
V5Z 3N4

Project :  
Comments: ATTN: GORDON RICHARDS

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## CERTIFICATE OF ANALYSIS

A9836817

SAMPLE	PREP CODE	Au ppb EXT-AA	fusion wt. gm										
98D290	244 --	< 2	15.57										
98D291	244 --	< 2	15.56										
98D292	244 --	< 2	15.45										
98D294	244 --	< 3	10.63										
98D295	244 --	< 2	15.73										
98D296	244 --	< 2	15.28										
98D297	244 --	< 2	15.51										
98D298	244 --	< 6	5.33										
98D299	244 --	18	5.09										
98D300	244 --	< 6	5.03										
98D301	244 --	not/ss	not/ss										
98D302	244 --	< 2	15.43										
98D303	244 --	< 6	5.06										
98D304	244 --	< 2	15.15										
98D305	244 --	< 6	5.24										
98D306	244 --	< 6	5.02										
98D307	244 --	< 2	15.06										
98D308	244 --	< 6	5.07										
98D310	244 --	< 6	5.17										
98D312	244 --	< 3	10.69										
98D313	244 --	< 3	10.58										
98D314	244 --	< 3	10.19										
98D315	244 --	< 3	10.37										
98D316	244 --	< 6	5.07										
98D317	244 --	< 3	10.04										
98D318	244 --	< 3	10.16										
98D319	244 --	< 3	10.00										
98D320	244 --	< 3	10.17										
98D321	244 --	< 6	5.26										
98D326	244 --	< 6	5.06										
98D327	244 --	< 3	10.09										
98D328	244 --	< 6	5.01										
98D329	244 --	< 6	5.40										
98D330	244 --	< 3	10.21										
98D331	244 --	< 6	5.17										
98D332	244 --	< 3	10.02										
98D333	244 --	< 6	5.26										
98D334	244 --	< 3	10.08										
98D335	244 --	< 3	10.14										
98D337	244 --	< 6	5.01										

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6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

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 Invoice No. :19836817  
 P.O. Number :  
 Account :NDJ

Project :  
 Comments: ATTN: GORDON RICHARDS

## CERTIFICATE OF ANALYSIS

A9836817

SAMPLE	PREP CODE	Au ppb EXT-AA	fusion wt. gm									
98D338	244 ---	< 3	10.11									
98D339	244 ---	< 1	30.31									
98D340	244 ---	4	15.00									
98D341	244 ---	10	15.00									
98D342	244 ---	< 2	15.19									
98D343	244 ---	2	15.57									
98D344	244 ---	2	30.00									
98D345	244 ---	2	15.28									
98D346	244 ---	5	30.16									
98D348	244 ---	< 2	15.65									
98D349	244 ---	< 1	30.14									
98D350	244 ---	< 1	30.12									
98D352	244 ---	2	15.09									
98D353	244 ---	< 3	10.11									
98D354	244 ---	< 3	10.20									
98D355	244 ---	8	15.49									
98D356	244 ---	4	15.55									
98D357	244 ---	< 3	10.51									
98D358	244 ---	2	15.32									
98D359	244 ---	< 3	10.55									
98D360	244 ---	3	10.16									
98D361	244 ---	< 5	5.47									
98D362	244 ---	< 6	5.16									
98D363	244 ---	6	15.19									
98D364	244 ---	6	10.15									
98D365	244 ---	< 6	5.11									
98D366	244 ---	< 6	5.12									
98D367	244 ---	< 2	15.42									
98D368	244 ---	< 3	10.63									
98D376	244 ---	< 6	5.06									
98D377	244 ---	< 3	10.21									
98D378	244 ---	< 2	15.95									
98D379	244 ---	< 6	5.32									
98D380	244 ---	< 3	10.56									
98D381	244 ---	6	5.00									

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6170 TISDALL ST.,  
VANCOUVER, BC  
V5Z 3N4

Project :

Comments: ATTN: GORDON RICHARD

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## CERTIFICATE OF ANALYSIS

A9836816

SAMPLE	PREP CODE	Au ppb EXT-AA	fusion wt. gm										
98R1	244 --	< 2	15.08										
98R2	244 --	< 1	30.23										
98R3	244 --	< 1	30.14										
98R4	244 --	< 1	30.10										
98R5	244 --	< 2	15.17										
98R6	244 --	< 6	5.07										
98R7	244 --	< 1	30.70										
98R8	244 --	< 2	15.02										
98R9	244 --	< 2	15.08										
98R10	244 --	< 1	30.30										
98R11	244 --	< 6	5.04										
98R12	244 --	< 2	15.09										
98R13	244 --	< 2	15.02										
98R14	244 --	< 2	15.02										
98R15	244 --	< 1	30.36										
98R16	244 --	< 2	15.03										
98R17	244 --	< 1	30.19										
98R18	244 --	< 1	30.81										
98R19	244 --	< 2	15.16										
98R20	244 --	< 2	15.08										
98R21	244 --	< 2	15.10										
98R22	244 --	< 2	15.07										
98R23	244 --	< 6	5.01										
98R24	244 --	3	30.82										
98R26	244 --	< 6	5.02										
98R27	244 --	< 6	5.06										
98R28	244 --	< 2	15.05										
98R29	244 --	< 6	5.02										
98R30	244 --	< 2	15.03										
98R31	244 --	< 6	5.04										
98R32	244 --	< 1	30.04										
98R33	244 --	< 2	15.03										
98R34	244 --	< 1	30.51										
98R35	244 --	< 2	15.10										
98R36	244 --	< 2	15.00										
98R37	244 --	< 6	5.10										
98R38	244 --	< 6	5.03										
98R39	244 --	< 2	15.06										
98R40	244 --	< 1	30.14										
98R42	244 --	< 2	15.06										

CERTIFICATION:

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6170 TISDALL ST.,  
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## CERTIFICATE OF ANALYSIS

A9836816

SAMPLE	PREP CODE	Au ppb EXT-AA	fusion wt. gm										
98R43	244 --	< 2	15.17										
98R44	244 --	< 1	30.08										
98R45	244 --	< 2	15.02										
98R46	244 --	< 6	5.09										
98R47	244 --	6	5.03										
98R48	244 --	< 6	5.01										
98R50	244 --	< 2	15.10										
98R51	244 --	< 2	15.27										
98R53	244 --	< 6	5.07										
98R54	244 --	< 1	30.08										
98R55	244 --	< 2	15.04										
98R56	244 --	< 6	5.12										
98R58	244 --	< 2	15.09										
98R60	244 --	< 6	5.06										
98R61	244 --	< 2	15.03										
98R62	244 --	36	5.01										
98R63	244 --	< 1	30.01										
98R64	244 --	< 1	30.12										
98R66	244 --	< 6	5.16										
98R67	244 --	< 1	30.55										
98R70	244 --	< 2	15.07										
98R71	244 --	2	15.16										
98R72	244 --	< 1	30.14										
98R74	244 --	< 2	15.10										
98R75	244 --	2	30.05										
98R76	244 --	< 6	5.17										
98R77	244 --	< 6	5.09										
98R78	244 --	< 6	5.12										
98R79	244 --	2	15.07										
98R80	244 --	< 6	5.07										
98R81	244 --	2	15.06										
98R86	244 --	< 6	5.04										
98R87	244 --	< 6	5.15										
98R88	244 --	< 2	15.05										
98R89	244 --	< 6	5.07										
98R92	244 --	< 6	5.02										
98R93	244 --	< 6	5.22										
98R94	244 --	< 6	5.01										
98R95	244 --	< 6	5.16										
98R96	244 --	< 2	15.30										

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Project :  
Comments: ATTN: GORDON RICHARD

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## CERTIFICATE OF ANALYSIS

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SAMPLE	PREP CODE	Au ppb EXT-AA	fusion wt. gm												
98R98	244 --	< 1	30.31												
98R99	244 --	< 2	15.06												
98R100	244 --	< 2	15.07												
98R101	244 --	< 1	30.62												
98R102	244 --	< 1	31.69												
98R103	244 --	< 1	30.72												
98R104	244 --	< 1	31.61												
98R105	244 --	< 1	30.76												
98R106	244 --	< 1	31.04												
98R107	244 --	< 2	15.05												
98R108	244 --	< 1	30.20												
98R109	244 --	< 2	15.08												
98R110	244 --	< 2	15.11												
98R111	244 --	< 2	15.13												
98R112	244 --	5	30.19												
98R113	244 --	< 2	15.14												
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98R139	244 --	< 1	30.15												
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98R141	244 --	< 2	15.67												
98R142	244 --	< 2	15.45												
98R143	244 --	< 2	15.26												

CERTIFICATION:

*Hart Richards*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
VANCOUVER, BC  
V5Z 3N4

Project :  
Comments: ATTN: GORDON RICHARD

Page Number :4  
Total Pages :6  
Certificate Date: 27-NOV-1998  
Invoice No. : I9836816  
P.O. Number :  
Account : NDJ

## CERTIFICATE OF ANALYSIS

A9836816

SAMPLE	PREP CODE	Au ppb EXT-AA	fusion wt. gm										
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98R145	244	--	< 3	10.14									
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98R149	244	--	< 3	10.89									
98R151	244	--	< 3	10.74									
98R152	244	--	< 2	15.76									
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98R155	244	--	< 5	5.52									
98R156	244	--	< 1	30.49									
98R157	244	--	< 1	31.02									
98R158	244	--	< 1	30.58									
98R159	244	--	< 1	30.84									
98R160	244	--	< 3	10.11									
98R161	244	--	< 3	10.03									
98R162	244	--	< 3	10.04									
98R163	244	--	< 3	10.27									
98R164	244	--	< 6	5.19									
98R165	244	--	< 1	30.60									
98R166	244	--	< 2	15.29									
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98R169	244	--	< 3	10.45									
98R170	244	--	< 1	30.46									
98R171	244	--	< 2	15.32									
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98R206	244	--	< 2	15.83									
98R207	244	--	< 2	15.07									
98R208	244	--	< 3	10.31									

CERTIFICATION: *Hart Richey* +



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 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: RICHARDS, GORDON

6170 TISDALL ST.,  
 VANCOUVER, BC  
 V5Z 3N4

Page Number :5  
 Total Pages :6  
 Certificate Date: 27-NOV-1998  
 Invoice No. :19836816  
 P.O. Number :  
 Account :NDJ

Project :  
 Comments: ATTN: GORDON RICHARD

## CERTIFICATE OF ANALYSIS

### A9836816

SAMPLE	PREP CODE	Au ppb EXT-AA	fusion wt. gm									
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98R218	244 --	< 1	31.23									
98R219	244 --	< 1	30.80									
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98R221	244 --	< 1	30.23									
98R222	244 --	< 2	31.63									
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98R225	244 --	< 2	15.85									
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98R227	244 --	< 2	15.23									
98R228	244 --	< 2	15.04									
98R229	244 --	< 2	15.15									
98R230	244 --	< 1	30.70									
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98R238	244 --	< 2	15.08									
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98R243	244 --	< 2	15.05									
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98R246	244 --	< 1	31.10									
98R247	244 --	< 1	31.54									
98R248	244 --	< 2	15.42									
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98R252	244 --	< 1	30.35									
98R254	244 --	< 3	10.07									
98R255	244 --	< 6	5.09									

*Handwritten signature*

CERTIFICATION:



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212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
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To: RICHARDS, GORDON

6170 TISDALL ST.,  
VANCOUVER, BC  
V5Z 3N4

Project :  
Comments: ATTN: GORDON RICHARD

Page Number :6  
Total Pages :6  
Certificate Date: 27-NOV-1998  
Invoice No. : 19836816  
P.O. Number :  
Account : NDJ

## CERTIFICATE OF ANALYSIS

A9836816

SAMPLE	PREP CODE	Au ppb EXT-AA	fusion wt. gm										
98R257	244 --	< 3	10.19										
98R258	244 --	< 6	5.37										
98R259	244 --	< 3	10.00										
98R260	244 --	< 2	15.25										
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98R262	244 --	< 2	15.53										
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98R264	244 --	< 3	10.36										
98R266	244 --	< 2	15.25										
98R267	244 --	< 6	5.12										
98R268	244 --	< 5	5.81										
98R269	244 --	< 6	5.30										
98R271	244 --	< 3	10.21										
98R272	244 --	< 2	15.23										
98R273	244 --	< 2	15.48										
98R276	244 --	< 6	5.31										
98R277	244 --	< 6	5.12										
98R278	244 --	< 3	10.17										
98R279	244 --	not/ss	not/ss										
98R281	244 --	< 6	5.08										
98R282	244 --	< 3	10.36										
98R283	244 --	< 6	5.17										
98R284	244 --	< 6	5.25										
98R285	244 --	< 3	10.69										
98R286	244 --	< 6	5.40										
98R287	-- --	NotRcd	NotRcd										
98R288	244 --	< 3	10.08										
98R289	244 --	< 6	5.43										
98R290	244 --	< 3	10.15										
98R291	244 --	< 5	5.75										
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98R296	244 --	< 3	10.26										
98R297	244 --	< 6	5.14										
98R298	244 --	< 3	10.40										
98R299	244 --	< 2	15.16										
98R300	244 --	< 6	5.45										

CERTIFICATION:

*Handwritten signature*



### LEGEND

**Transportation**

- Road, paved
- Road, gravel
- Road, rough
- Traffic/Utility/Seismic line
- Railway, double track
- Railway, single track
- Railway, multiple track
- Railway, abandoned
- Wall, retaining
- Cut/Fill
- Bridge, to scale, symbolized
- Tunnel, to scale, symbolized

**Landmark features**

- Building, to scale, symbolized
- Built up area
- Fence
- Transmission line
- Tower

**Drainage and related features**

- Coastline/River/Stream, definite
- Coastline/River/Stream, indefinite
- River/Stream, intermittent
- River/Stream, split
- Lake, definite
- Lake, indefinite
- Dyke
- Flooded land
- Swamp/Marsh
- Beaver dam
- Dock/Wharf/Pier, symbolized
- Island, symbolized
- Water level

**Relief features**

- Contour, index, definite
- Contour, intermediate, definite
- Contour, intermediate, indefinite
- Contour, intermediate, depression
- Spot height

**Vegetation**

- Wooded area

**Control data**

- Control point, horizontal, permanently marked
- Control point, vertical, permanently marked

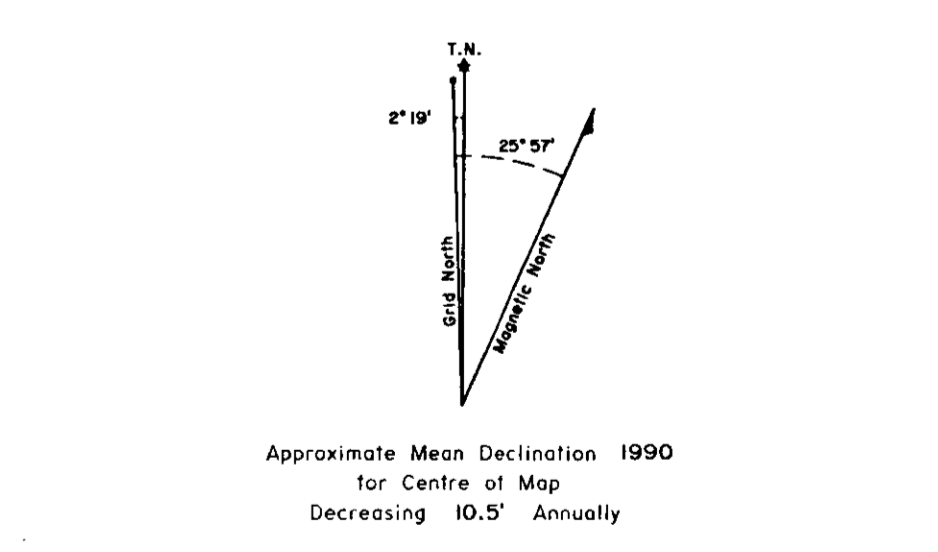
**Cadastral**

- Surveys of Federal and Provincial Crown Land
- Sub-division of Provincial Crown Land
- Rights-of-way
- Township
- District lot/Township section/Indian reserve
- Mineral claim/Coal or Phosphate licence
- Rights-of-way, transportation
- 1/4 section/Fareshore lot/Subdivision/Rights-of-way, utilities
- Cadastral tie

For complete reference to symbols, see "Specifications and Guidelines for Digital Baseline Mapping at 1:20 000" published by the Ministry of Crown Lands.

**Notes**

Digital data and additional copies of this map are available through MAPS-B.C., Surveys and Resource Mapping Branch, Ministry of Crown Lands, Parliament Buildings, Victoria B.C. V8V 1X4



PACIFIC BAY/DANA INLET

103B.00	103B.01	103B.02
103B.03	103B.04	103B.05
103B.06	103B.07	103B.08

Adjoining Sheet Index in the British Columbia Geographic System.

98-24 (1)

This map was produced in 1990 for the B.C. Ministry of Crown Lands, under its Terrain Resource Information Management (TRIM) initiative, by the Digital Mapping Group Limited (DMG), from 1:60 000 scale aerial photography flown in JUNE, 1986.

BRITISH COLUMBIA Crown Lands source Mapping Branch

Universal Transverse Mercator Projection  
North American Datum - NAD83  
UTM Zone 9

Land District  
Land Title Dist.  
Latest Plan No. Date

SCALE 1:20 000

200 0 200 400 600 800 1000 1200 1400 METRES

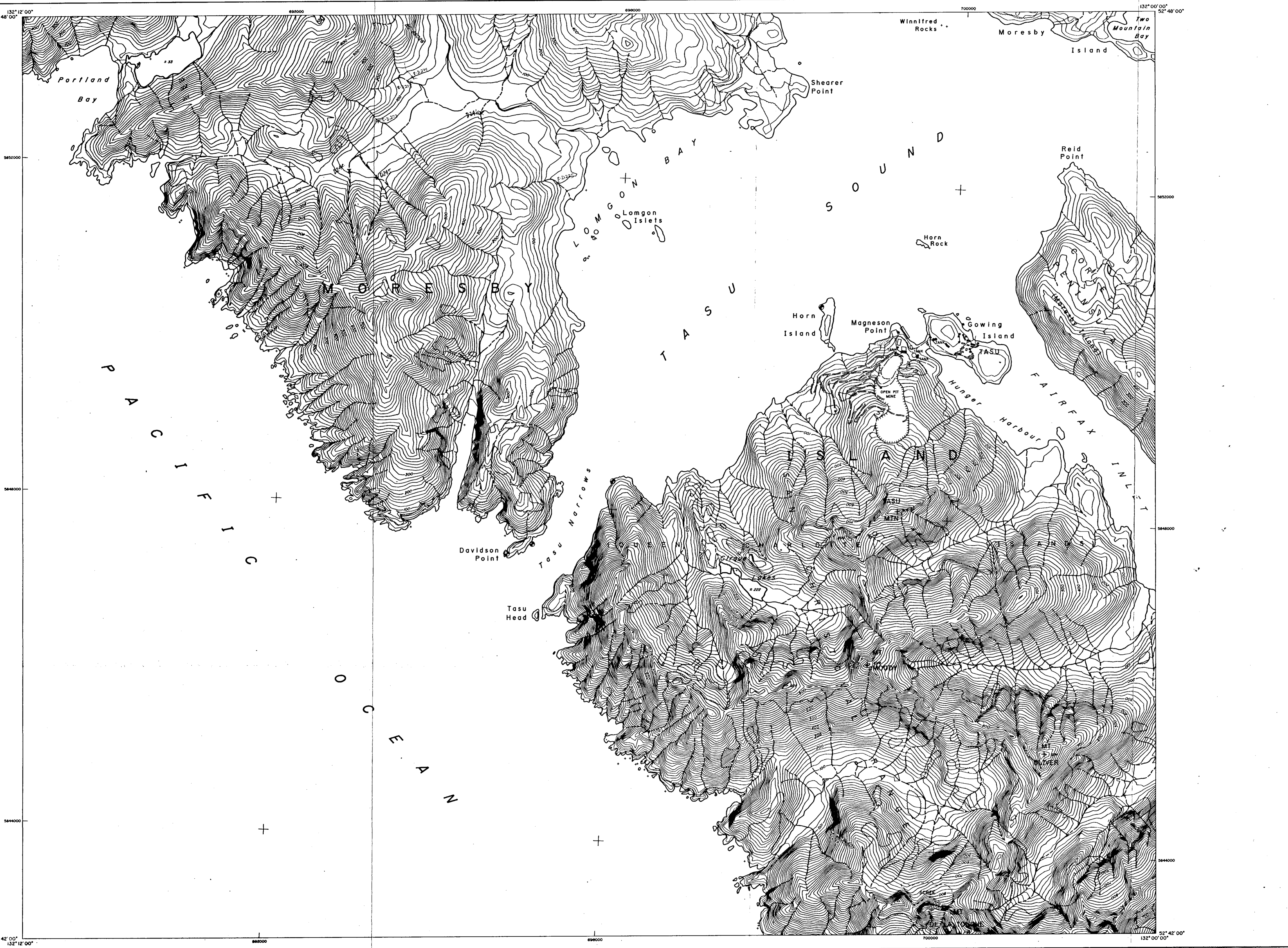
Contours generated from Digital Elevation Model.  
Contour interval 20 metres.  
Elevations in metres above Mean Sea Level.

DIGITAL DATA AVAILABLE

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CADASTRAL	<input type="checkbox"/>	DEM	<input checked="" type="checkbox"/>

103B.081 DIGITAL





### LEGEND

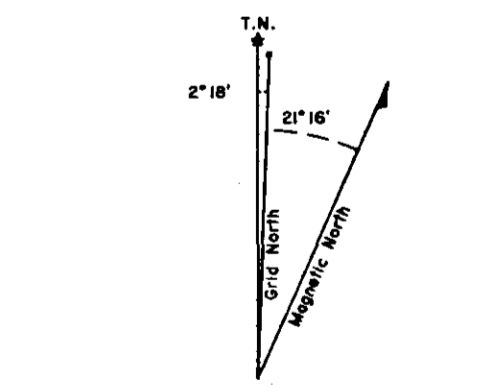
<b>Transportation</b>	
Road, paved	—————
Road, loose surface	-----
Road, rough	- - - - -
Trail/cut line	.....
Railway, single track	—+—+—+—
Railway, double track	—+—+—+—+—
Railway, multi track	—+—+—+—+—+—
Railway, abandoned	.....
Retaining wall	
Cut/fill	
Bridge, to scale, not to scale	—+—+—+—
Tunnel, to scale, not to scale	—+—+—+—
<b>Landmark features</b>	
Building, to scale, symbolised	□
Built up area	▨
Fence	—+—+—+—
Transmission line	—+—+—+—
Tower/pylon	⊕
<b>Drainage and related features</b>	
High water mark, water course definite	———
High water mark, water course indefinite	———
Stream, intermittent	———
Stream, split	———
Dyke	———
Flooded land	.....
Swamp/marsh	
Beaver dam	———
Pier	———
Rock/Island less than 20m	+
Water level	———
<b>Relief features</b>	
Contour, index	.....
Contour, intermediate	.....
Contour, indefinite	.....
Contour, depression	.....
Spot elevation	•
<b>Vegetation</b>	
Wooded area	▨
<b>Control data</b>	
Monumented horizontal control point	△
Monumented vertical control point	○
<b>Cadastral</b>	
Surveys of Federal and Provincial Crown Land	———
Sub-division of Provincial Crown Land	———
Rights of way	———
Township boundary	———
District lot, Township section line	———
Indian reserve, foreshore lot	———
Mineral claim, Coal lease, Coal licence	———
1/4 section line in a Township, Legal or Crown subdivision, Rights of way	———
Surveyed Cadastral Tie Point	⊕

For complete reference to symbols, see "Specifications and Guidelines for Digital Topographic and Cadastral Mapping at 1:20 000" published by the Ministry of Environment and Parks.

### Notes

Digital data and additional copies of this map are available through MAPS-BC, Ministry of Environment and Parks, Victoria.

Errors and omissions should be brought to the attention of the Director, Surveys and Resource Mapping Branch, Ministry of Environment and Parks, Parliament Buildings, Victoria B.C. V8V 1X5



Approximate Mean Declination 1990 for Centre of Map Decreasing 10.4° Annually

103C.089	103C.090	103B.081
103C.079	103C.080	103B.071
103C.069	103C.070	103B.061

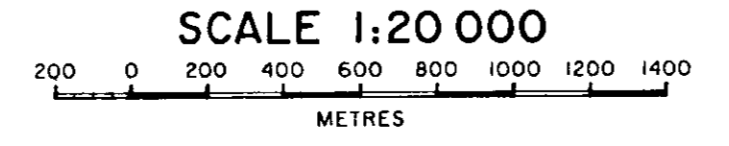
Adjoining Sheet Index in the British Columbia Geographic System.

98-24 (2)

This map was produced in 1990, for the B.C. Ministry of Environment and Parks, under its Terrain Resource Information Management (TRIM) initiative, by Digital Mapping Group Ltd., from 1:60 000 scale aerial photography flown in June, 1986

BRITISH COLUMBIA Lands Resource Mapping Branch  
 Universal Transverse Mercator Projection  
 North American Datum - NAD83  
 UTM Zone 8

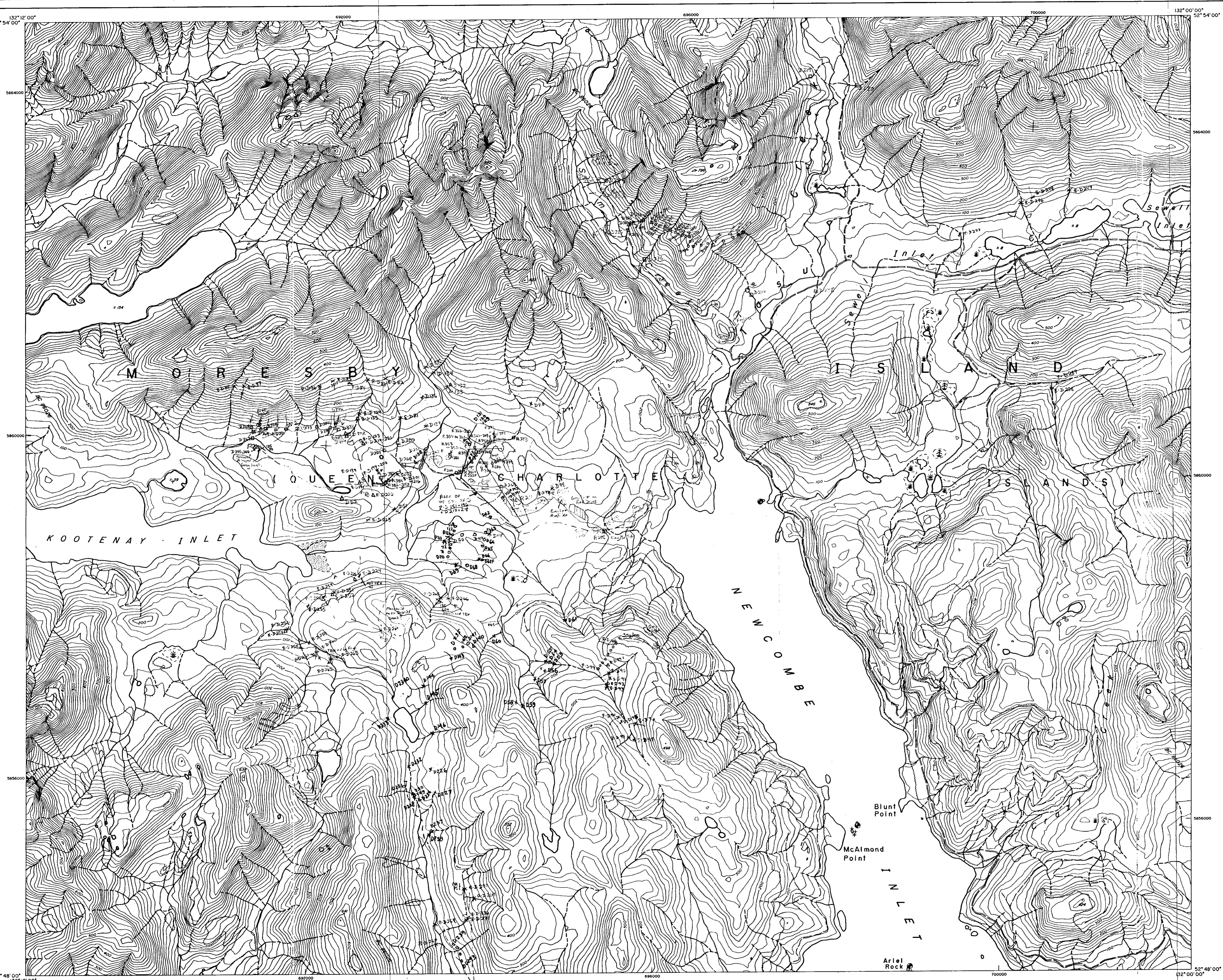
Land District:  
 Land Title Dist.:  
 Latest Plan No.:  
 Date:



Contours generated from Digital Elevation Model.  
 Contour interval 20 metres.  
 Elevations in metres above Mean Sea Level.

DIGITAL DATA AVAILABLE			
PLANIMETRY	<input checked="" type="checkbox"/>	CONTOUR	<input checked="" type="checkbox"/>
CADASTRAL	<input type="checkbox"/>	DEM	<input checked="" type="checkbox"/>

103C.080 DIGITAL



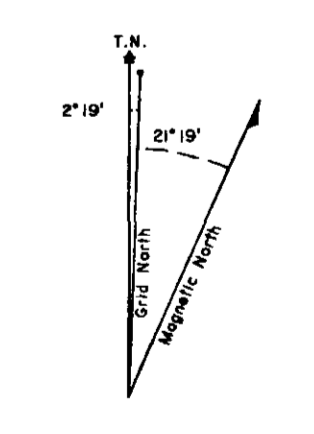
**LEGEND**

- Transportation**
- Road, paved
  - Road, gravel
  - Road, rough
  - Trail/Cutline/Seismic line
  - Railway, single track
  - Railway, double track
  - Railway, multiple track
  - Railway, abandoned
  - Wall, retaining
  - Cut/Fill
  - Bridge, to scale, symbolized
  - Tunnel, to scale, symbolized
- Landmark features**
- Building, to scale, symbolized
  - Built up area
  - Fence
  - Transmission line
  - Tower
- Drainage and related features**
- Coastline/River/Stream, definite
  - Coastline/River/Stream, indefinite
  - River/Stream, intermittent
  - River/Stream, split
  - Lake, definite
  - Lake, indefinite
  - Dyke
  - Flooded land
  - Swamp/Marsh
  - Beaver dam
  - Dock/Wharf/Pier, symbolized
  - Island, symbolized
  - Water level
- Relief features**
- Contour, index, definite
  - Contour, intermediate, definite
  - Contour, intermediate, indefinite
  - Contour, intermediate, depression
  - Spot height
- Vegetation**
- Wooded area
- Control data**
- Control point, horizontal, permanently marked
  - Control point, vertical, permanently marked
- Cadastral**
- Surveys of Federal and Provincial Crown Land
  - Sub-division of Provincial Crown Land
  - Rights-of-way
  - Township
  - District lot/Township section/Indian reserve
  - Mineral claim/Cool or Phosphate licence
  - Rights-of-way, transportation
  - 1/4 section/Foreshore lot/Subdivision
  - Rights-of-way, utilities
  - Cadastral tie

For complete reference to symbols, see "Specifications and Guidelines for Digital Baseline Mapping at 1:20 000" published by the Ministry of Crown Lands.

**Notes**

Digital data and additional copies of this map are available through MAPS-BC, Surveys and Resource Mapping Branch, Ministry of Crown Lands, Parliament Buildings, Victoria B.C. V8V 1X4



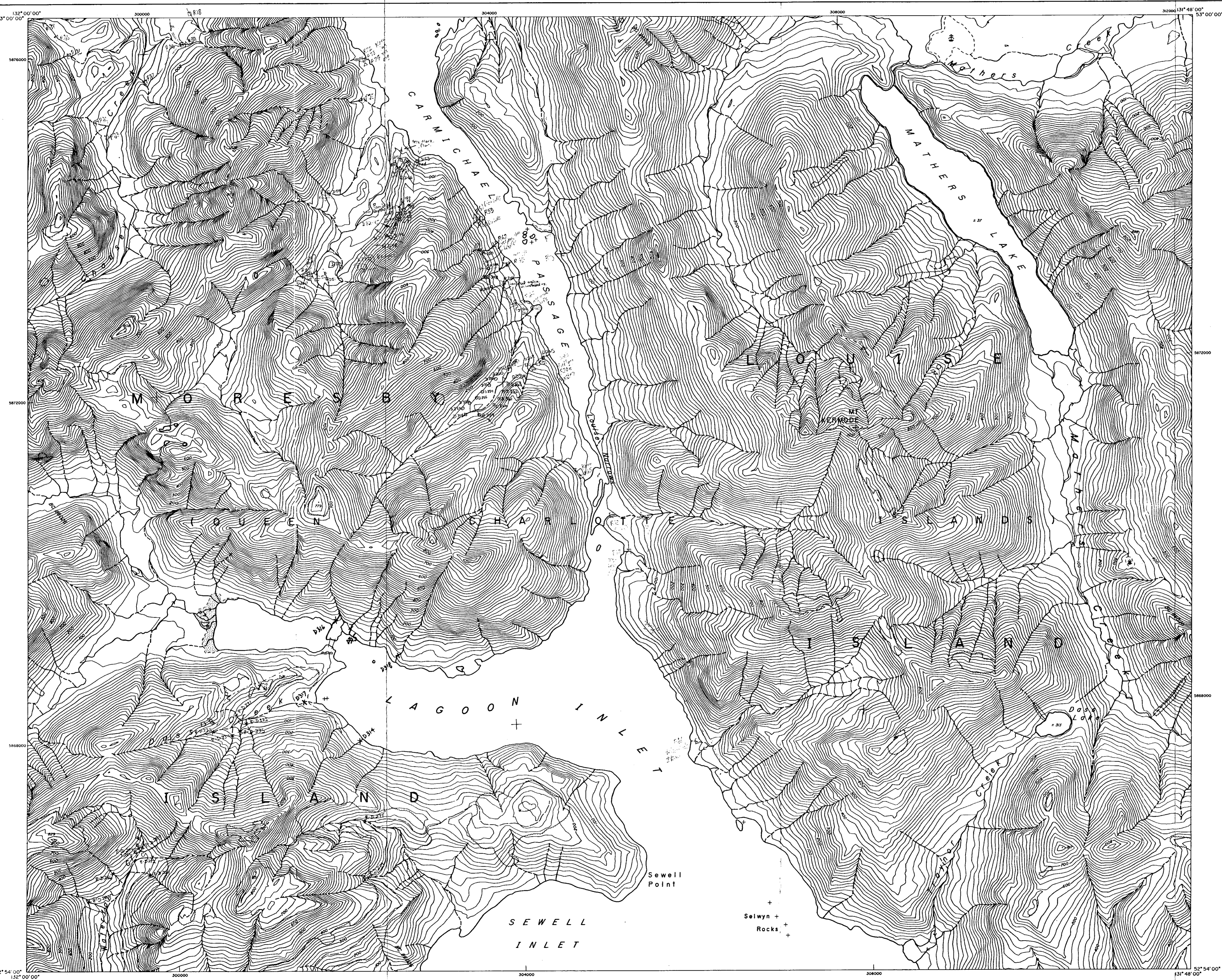
Approximate Mean Declination 1990 for Centre of Map  
Decreasing 10.5" Annually

**KOOTENAY**

103C.099	103C.100	103B.091
103C.089	103C.090	103B.081
103C.079	103C.080	103B.071

Adjoining Sheet Index in the British Columbia Geographic System.  
**98-24** ③

This map was produced in 1990 for the B.C. Ministry of Crown Lands, under its Terrain Resource Information Management (TRIM) initiative, by the Digital Mapping Group Limited (DMG), from 1:60 000 scale aerial photography flown in June, 1986



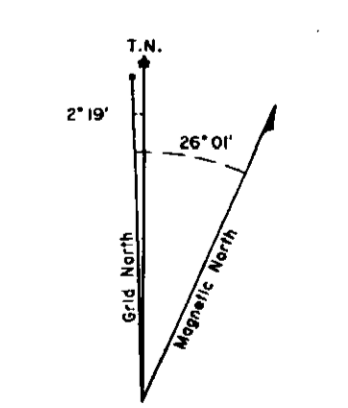
**LEGEND**

- Transportation**
- Road, paved
  - Road, loose surface
  - Road, rough
  - Trail/cut line
  - Railway, single track
  - Railway, double track
  - Railway, multi track
  - Railway, abandoned
  - Retaining wall
  - Cut/fill
  - Bridge, to scale, not to scale
  - Tunnel, to scale, not to scale
- Landmark features**
- Building, to scale, symbolised
  - Built up area
  - Fence
  - Transmission line
  - Tower/pylon
- Drainage and related features**
- High water mark, water course definite
  - High water mark, water course indefinite
  - Stream, intermittent
  - Stream, split
  - Dyke
  - Flooded land
  - Swamp/marsh
  - Beaver dam
  - Pier
  - Rock/island less than 20m
  - Water level
- Relief features**
- Contour, index
  - Contour, intermediate
  - Contour, indefinite
  - Contour, depression
  - Spot elevation
- Vegetation**
- Wooded area
- Control data**
- Monumented horizontal control point
  - Monumented vertical control point
- Cadastral**
- Surveys of Federal and Provincial Crown Land
  - Sub-division of Provincial Crown Land
  - Rights of way
  - Township boundary
  - District lot, Township section line
  - Indian reserve, Foreshore lot
  - Mineral claim, Coal lease, Coal licence
  - 1/4 section line in a Township, Legal or Crown subdivision, Rights of way
  - Surveyed Cadastral Tie Point

For complete reference to symbols, see "Specifications and Guidelines for Digital Topographic and Cadastral Mapping at 1:20 000" published by the Ministry of Environment and Parks.

**Notes**

Digital data and additional copies of this map are available through MAPS-BC, Ministry of Environment and Parks, Victoria.  
 Errors and omissions should be brought to the attention of the Director, Surveys and Resource Mapping Branch, Ministry of Environment and Parks, Parliament Buildings, Victoria B.C. V8V 1X5



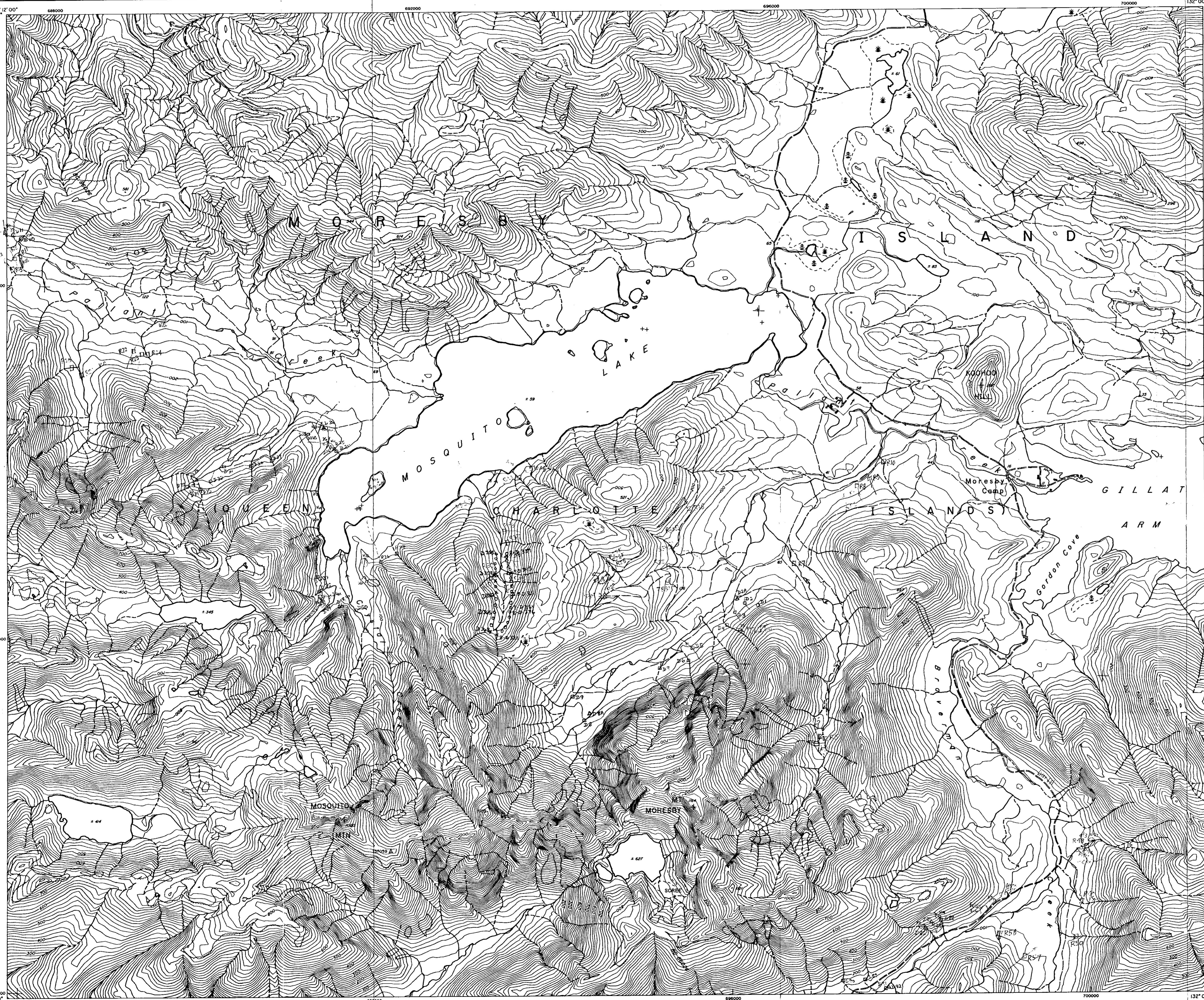
Approximate Mean Declination 1990 for Centre of Map  
 Decreasing 10.5" Annually

LOUISE NARROWS

103F.010	103C.001	103C.002
103C.100	103B.091	103B.092
103C.090	103B.081	103B.082

Adjoining Sheet Index in the British Columbia Geographic System.

98-24 (4)  
 This map was produced in 1990, for the B.C. Ministry of Environment and Parks, under its Terrain Resource Information Management (TRIM) initiative, by Digital Mapping Group Ltd., from 1:60 000 scale aerial photography flown in August, 1986.



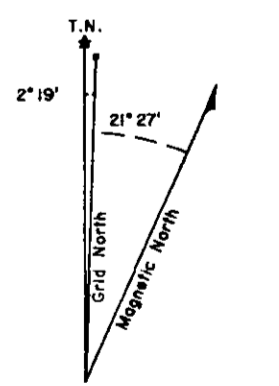
**LEGEND**

- Transportation**
- Road, paved
  - Road, loose surface
  - Road, rough
  - Trail/cut line
  - Railway, single track
  - Railway, double track
  - Railway, multi track
  - Railway, abandoned
  - Retaining wall
  - Cut/rill
  - Bridge, to scale, not to scale
  - Tunnel, to scale, not to scale
- Landmark features**
- Building, to scale, symbolised
  - Built up area
  - Fence
  - Transmission line
  - Tower/pylon
- Drainage and related features**
- High water mark, water course definite
  - High water mark, water course indefinite
  - Stream, intermittent
  - Stream, split
  - Dyke
  - Flooded land
  - Swamp/marsh
  - Beaver dam
  - Pier
  - Rock/island less than 20m
  - Water level
- Relief features**
- Contour, index
  - Contour, intermediate
  - Contour, indefinite
  - Contour, depression
  - Spot elevation
- Vegetation**
- Wooded area
- Control data**
- Monumented horizontal control point
  - Monumented vertical control point
- Cadastral**
- Surveys of Federal and Provincial Crown Land
  - Sub-division of Provincial Crown Land
  - Rights of way
  - Township boundary
  - District lot, Township section line
  - Indian reserve, Foreshore lot
  - Mineral claim, Coal lease, Coal licence
  - 1/4 section line in a Township, Legal or Crown subdivision, Rights of way
  - Surveyed Cadastral Tie Point

For complete reference to symbols, see 'Specifications and Guidelines for Digital Topographic and Cadastral Mapping at 1:20 000' published by the Ministry of Environment and Parks.

**Notes**

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Approximate Mean Declination 1990 for Centre of Map Decreasing 10.5' Annually

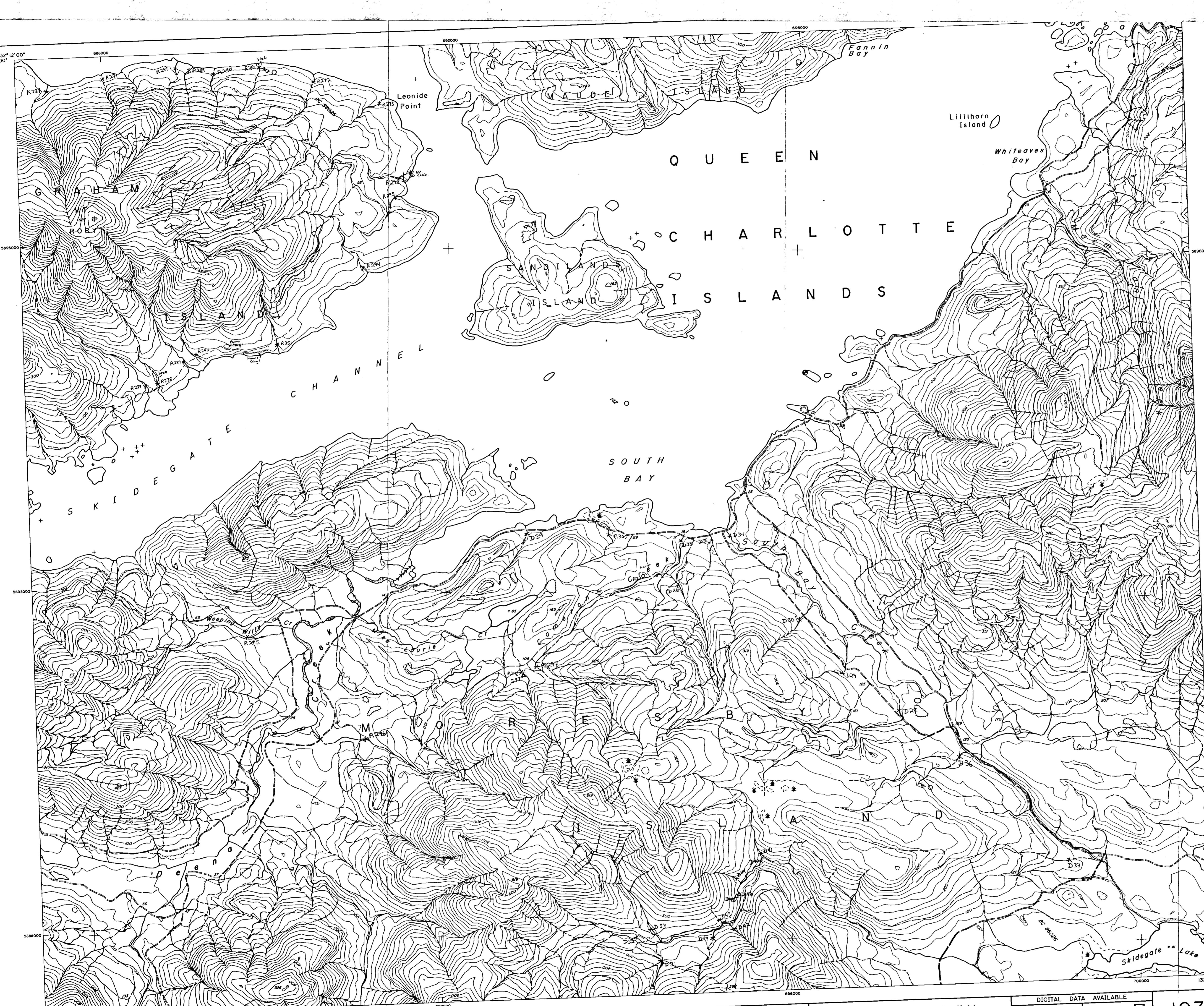
MOSQUITO

103F.019	103F.020	103G.011
103F.009	103F.010	103G.001
103C.099	103C.100	103B.091

Adjoining Sheet Index in the British Columbia Geographic System.

98-24 (5)

This map was produced in 1990, for the B.C. Ministry of Environment and Parks, under its Terrain Resource Information Management (TRIM) initiative, by Digital Mapping Group Ltd., from 1:60 000 scale aerial photography flown in June, 1986



**Transportation**

- Road, paved
- Road, gravel
- Road, rough
- Trail/Culvert/Seismic line
- Railway, double track
- Railway, single track
- Railway, multiple track
- Railway, abandoned
- Wall, retaining
- Cut/Fill
- Bridge, to scale, symbolized
- Tunnel, to scale, symbolized

**Landmark features**

- Building, to scale, symbolized
- Built up area
- Fence
- Transmission line
- Tower

**Drainage and related features**

- Coastline/River/Stream, definite
- Coastline/River/Stream, indefinite
- River/Stream, intermittent
- River/Stream, split
- Lake, definite
- Lake, indefinite
- Dyke
- Flooded land
- Swamp/Marsh
- Beaver dam
- Dock/Wharf/Pier, symbolized
- Island, symbolized
- Water level

**Relief features**

- Contour, index, definite
- Contour, intermediate, definite
- Contour, intermediate, indefinite
- Contour, intermediate, depression
- Spot height

**Vegetation**

- Wooded area

**Control data**

- Control point, horizontal, permanently marked
- Control point, vertical, permanently marked

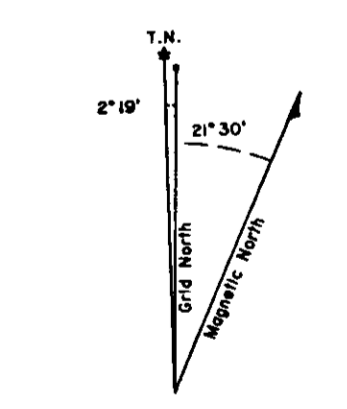
**Cadastral**

- Surveys of Federal and Provincial Crown Land
- Sub-division of Provincial Crown Land
- Rights-of-way:
  - Township
  - District lot/Township section/Indian reserve
  - Mineral claim/Coal or Phosphate licence
  - Rights-of-way, transportation
  - 1/4 section/Foreshore lot/Subdivision
  - Rights-of-way, utilities
- Cadastral tie

For complete reference to symbols, see "Specifications and Guidelines for Digital Baseline Mapping at 1:20 000" published by the Ministry of Crown Lands.

**Notes**

Digital data and additional copies of this map are available through MAPS-BC, Surveys and Resource Mapping Branch, Ministry of Crown Lands, Parliament Buildings, Victoria B.C. V8V 1X4



Approximate Mean Declination 1990 for Centre of Map  
Decreasing 10.6' Annually

103F.019	103F.020	103F.021
103F.018	103F.019	103F.020
103F.017	103F.018	103F.019

Adjoining Sheet Index in the British Columbia Geographic System.

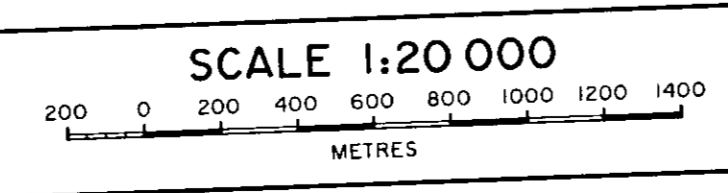
98-24 (6)

This map was produced in 1990, for the B.C. Ministry of Crown Lands, under its Terrain Resource Information Management (TRIM) initiative, by the Digital Mapping Group Limited (DMG), from 1:60 000 scale aerial photography flown in June, 1986

OF BRITISH COLUMBIA  
Crown Lands  
Resource Mapping Branch

Universal Transverse Mercator Projection  
North American Datum - NAD83  
UTM Zone 8

Land District:  
Land Title Dist.:  
Latest Plan No.:  
Date:



Contours generated from Digital Elevation Model.  
Contour interval 20 metres.  
Elevations in metres above Mean Sea Level.

DIGITAL DATA AVAILABLE

PLANIMETRY	<input checked="" type="checkbox"/>	CONTOUR	<input checked="" type="checkbox"/>
CADASTRAL	<input type="checkbox"/>	DEM	<input checked="" type="checkbox"/>

103F.020 DIGITAL



**LEGEND**

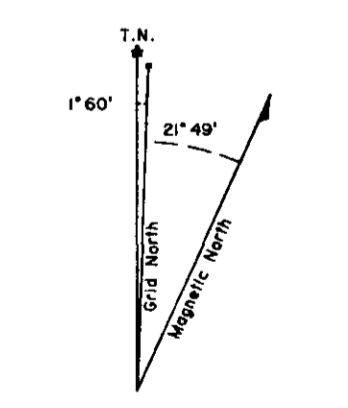
- Transportation**
- Road, paved
  - Road, loose surface
  - Road, rough
  - Trail/cul line
  - Railway, single track
  - Railway, double track
  - Railway, multi track
  - Railway, abandoned
  - Retaining wall
  - Cul/fill
  - Bridge, to scale, not to scale
  - Tunnel, to scale, not to scale
- Landmark features**
- Building, to scale, symbolised
  - Built up area
  - Fence
  - Transmission line
  - Tower/pylon
- Drainage and related features**
- High water mark, water course definite
  - High water mark, water course indefinite
  - Stream, intermittent
  - Stream, split
  - Dyke
  - Flooded land
  - Swamp/marsh
  - Beaver dam
  - Pier
  - Rock/island less than 20m
  - Water level
- Relief features**
- Contour, index
  - Contour, intermediate
  - Contour, indefinite
  - Contour, depression
  - Spot elevation
- Vegetation**
- Wooded area
- Control data**
- Monumented horizontal control point
  - Monumented vertical control point
- Cadastral**
- Surveys of Federal and Provincial Crown Land
  - Sub-division of Provincial Crown Land
  - Rights of way:
  - Township boundary
  - District lot, Township section line
  - Indian reserve, Foreshore lot
  - Mineral claim, Coal lease, Coal licence
  - 1/4 section line in a Township, Legal or Crown subdivision, Rights of way
  - Surveyed Cadastral Tie Point

For complete reference to symbols, see "Specifications and Guidelines for Digital Topographic and Cadastral Mapping of 1:20 000" published by the Ministry of Environment and Parks.

**Notes**

Digital data and additional copies of this map are available through MAPS-BC, Ministry of Environment and Parks, Victoria.

Errors and omissions should be brought to the attention of the Director, Surveys and Resource Mapping Branch, Ministry of Environment and Parks, Parliament Buildings, Victoria B.C. V8V 1X5



Approximate Mean Declination 1990 for Centre of Map  
Decreasing 10.6' Annually

**CHAATL**

103F.027	103F.028	103F.029
103F.017	103F.018	103F.019
103F.007	103F.008	103F.009

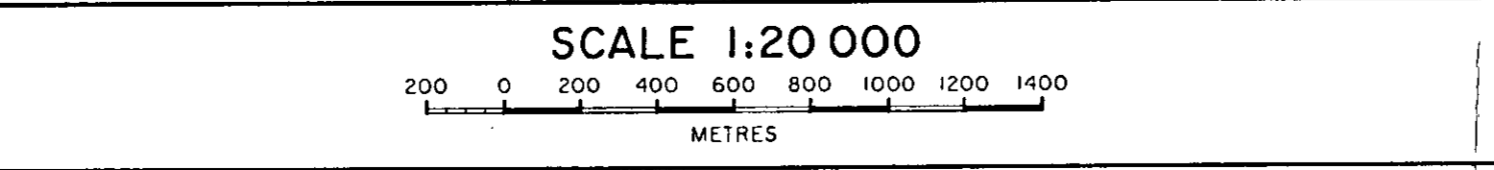
Adjoining Sheet Index in the British Columbia Geographic System.

98-24 ⑦

**BRITISH COLUMBIA**  
Lands  
source Mapping Branch

Universal Transverse Mercator Projection  
North American Datum - NAD83  
UTM Zone 8

Land District:  
Land Title Dist.:  
Latest Plan No.:  
Date:



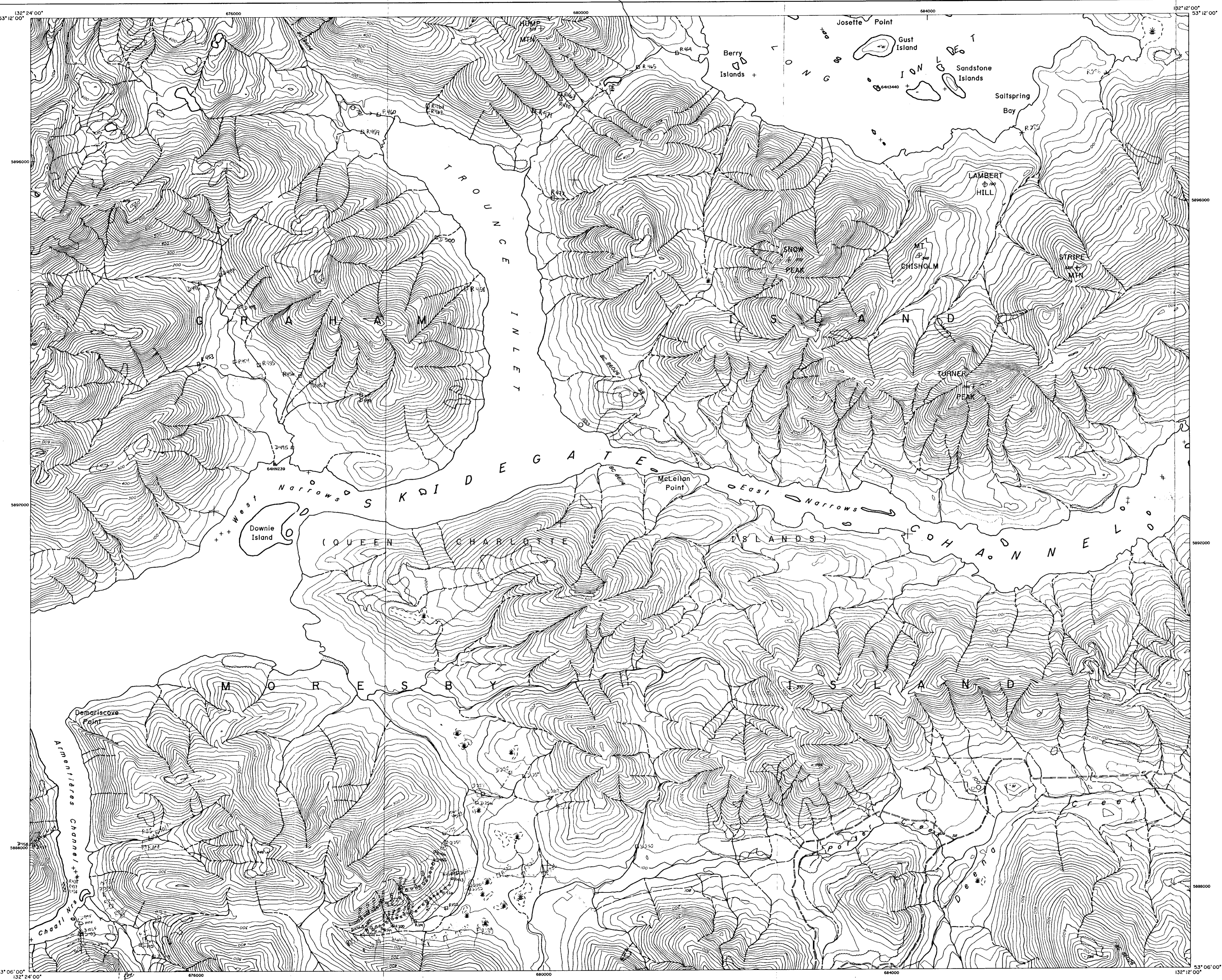
Contours generated from Digital Elevation Model.  
Contour interval 20 metres.  
Elevations in metres above Mean Sea Level.

**DIGITAL DATA AVAILABLE**

PLANIMETRY	<input checked="" type="checkbox"/>	CONTOUR	<input checked="" type="checkbox"/>
CADASTRAL	<input type="checkbox"/>	DEM	<input checked="" type="checkbox"/>

**103F.018 DIGITAL**

This map was produced in 1990, for the B.C. Ministry of Environment and Parks, under its Terrain Resource Information Management (TRIM) initiative, by Digital Mapping Group Ltd., from 1:60 000 scale aerial photography flown in Sept. 1986.



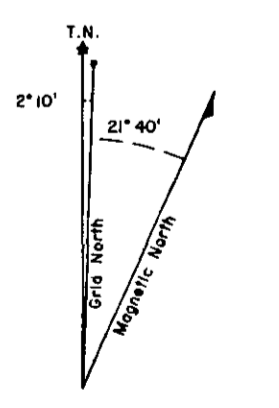
**LEGEND**

- Transportation**
- Road, paved
  - Road, gravel
  - Road, rough
  - Trail/Cutline/Seismic line
  - Railway, single track
  - Railway, double track
  - Railway, multiple track
  - Railway, abandoned
  - Wall, retaining
  - Gate/Fill
  - Bridge, to scale, symbolized
  - Tunnel, to scale, symbolized
- Landmark features**
- Building, to scale, symbolized
  - Built up area
  - Fence
  - Transmission line
  - Tower
- Drainage and related features**
- Coastline/River/Stream, definite
  - Coastline/River/Stream, indefinite
  - River/Stream, intermittent
  - River/Stream, split
  - Lake, definite
  - Lake, indefinite
  - Dyke
  - Flooded land
  - Swamp/Marsh
  - Beaver dam
  - Dock/Wharf/Pier, symbolized
  - Island, symbolized
  - Water level
- Relief features**
- Contour, index, definite
  - Contour, intermediate, definite
  - Contour, intermediate, indefinite
  - Contour, intermediate, depression
  - Spot height
- Vegetation**
- Wooded area
- Control data**
- Control point, horizontal, permanently marked
  - Control point, vertical, permanently marked
- Cadastral**
- Surveys of Federal and Provincial Crown Land
  - Sub-division of Provincial Crown Land
  - Rights-of-way
  - Township
  - District lot/Township section/Indian reserve
  - Mineral claim/Cool or Phosphate licence
  - Rights-of-way, transportation
  - 1/4 section/Foreshore lot/Subdivision
  - Rights-of-way, utilities
  - Cadastral tie

For complete reference to symbols, see "Specifications and Guidelines for Digital Base-line Mapping at 1:20,000" published by the Ministry of Crown Lands.

**Notes**

Digital data and additional copies of this map are available through MAPS-BC, Surveys and Resource Mapping Branch, Ministry of Crown Lands, Parliament Buildings, Victoria B.C. V8V 1X4



Approximate Mean Declination 1990 for Centre of Map Decreasing 10.6° Annually

SECURITY INDEX / GRAMM

103F.028	103F.029	103F.030
103F.018	103F.019	103F.020
103F.008	103F.009	103F.010

Adjoining Sheet Index in the British Columbia Geographic System.

98-24 (8)

This map was produced in 1990, for the B.C. Ministry of Crown Lands, under its Terrain Resource Information Management (TRIM) initiative, by the Digital Mapping Group Limited (DMG), from 1:60,000 scale aerial photography flown in June, 1986.

BRITISH COLUMBIA  
Crown Lands  
Source Mapping Branch

Land District:  
Land Title Dist.:  
Latest Plan No.:  
Date:

Universal Transverse Mercator Projection  
North American Datum - NAD83  
UTM Zone 8

SCALE 1:20 000

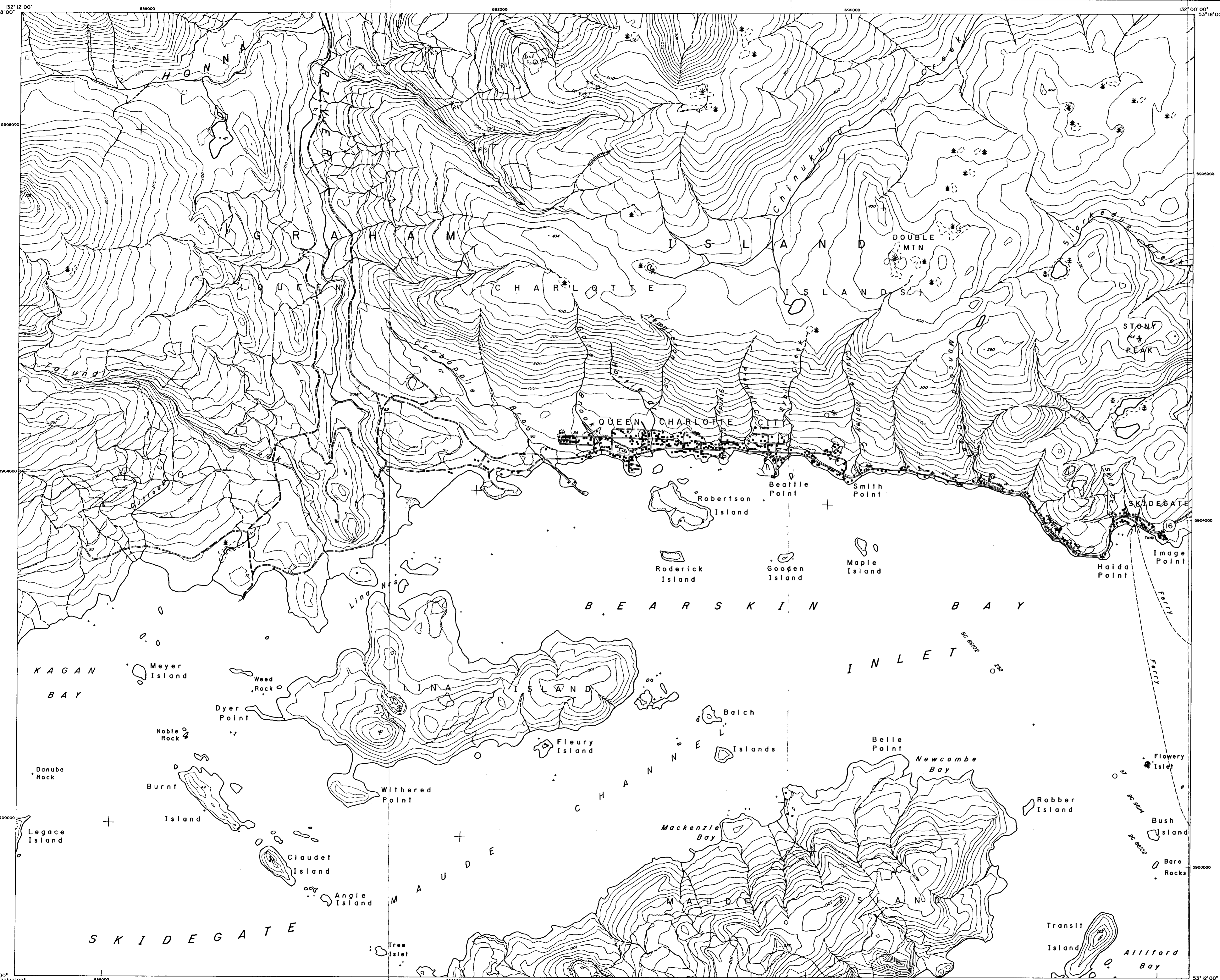
200 0 200 400 600 800 1000 1200 1400  
METRES

Contours generated from Digital Elevation Model.  
Contour interval 20 metres.  
Elevations in metres above Mean Sea Level.

DIGITAL DATA AVAILABLE

PLANIMETRY	<input checked="" type="checkbox"/>	CONTOUR	<input checked="" type="checkbox"/>
CADASTRAL	<input type="checkbox"/>	DEM	<input checked="" type="checkbox"/>

103F.019 DIGITAL



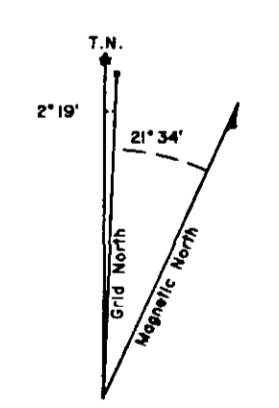
**LEGEND**

- Transportation**
- Road, paved
  - Road, gravel
  - Road, rough
  - Trail/Cutline/Service line
  - Railway, single track
  - Railway, double track
  - Railway, multiple track
  - Railway, abandoned
  - Wall, retaining
  - Cul/Fill
  - Bridge, to scale, symbolized
  - Tunnel, to scale, symbolized
- Landmark features**
- Building, to scale, symbolized
  - Built up area
  - Fence
  - Transmission line
  - Tower
- Drainage and related features**
- Coastline/River/Stream, definite
  - Coastline/River/Stream, indefinite
  - River/Stream, intermittent
  - River/Stream, split
  - Lake, definite
  - Lake, indefinite
  - Dyke
  - Flooded land
  - Swamp/Marsh
  - Beaver dam
  - Dock/Wharf/Pier, symbolized
  - Island, symbolized
  - Water level
- Relief features**
- Contour, index, definite
  - Contour, intermediate, definite
  - Contour, intermediate, indefinite
  - Contour, intermediate, depression
  - Spot height
- Vegetation**
- Wooded area
- Control data**
- Control point, horizontal, permanently marked
  - Control point, vertical, permanently marked
- Cadastral**
- Surveys of Federal and Provincial Crown Land
  - Sub-division of Provincial Crown Land
  - Rights-of-way
  - Township
  - District lot/Township section/Indian reserve
  - Mineral claim/Cool or Phosphate licence
  - Rights-of-way, transportation
  - 1/4 section/Foreshore lot/Subdivision
  - Rights-of-way, utilities
  - Cadastral tie

For complete reference to symbols, see "Specifications and Guidelines for Digital Base Line Mapping at 1:20000" published by the Ministry of Crown Lands.

**Notes**

Digital data and additional copies of this map are available through MAPS-BC, Surveys and Resource Mapping Branch, Ministry of Crown Lands, Parliament Buildings, Victoria B.C. V8V 1X4



Approximate Mean Declination 1990 for Centre of Map. Decreasing 10.6' Annually

103F.038	103F.040	1036.031
103F.029	103F.030	1036.021
103F.019	103F.020	1036.011

Adjoining Sheet Index in the British Columbia Geographic System.

98-24 ⑨

This map was produced in 1990, for the B.C. Ministry of Crown Lands, under its Terrain Resource Information Management (TRIM) initiative, by the Digital Mapping Group Limited (DMG), from 1:60000 scale aerial photography flown in June, 1986

BRITISH COLUMBIA Lands and Survey Branch  
 Universal Transverse Mercator Projection  
 North American Datum - NAD83  
 UTM Zone 8

Land District:  
 Land Title Dist.:  
 Latest Plan No.:  
 Date:

SCALE 1:20 000

200 0 200 400 600 800 1000 1200 1400

METRES

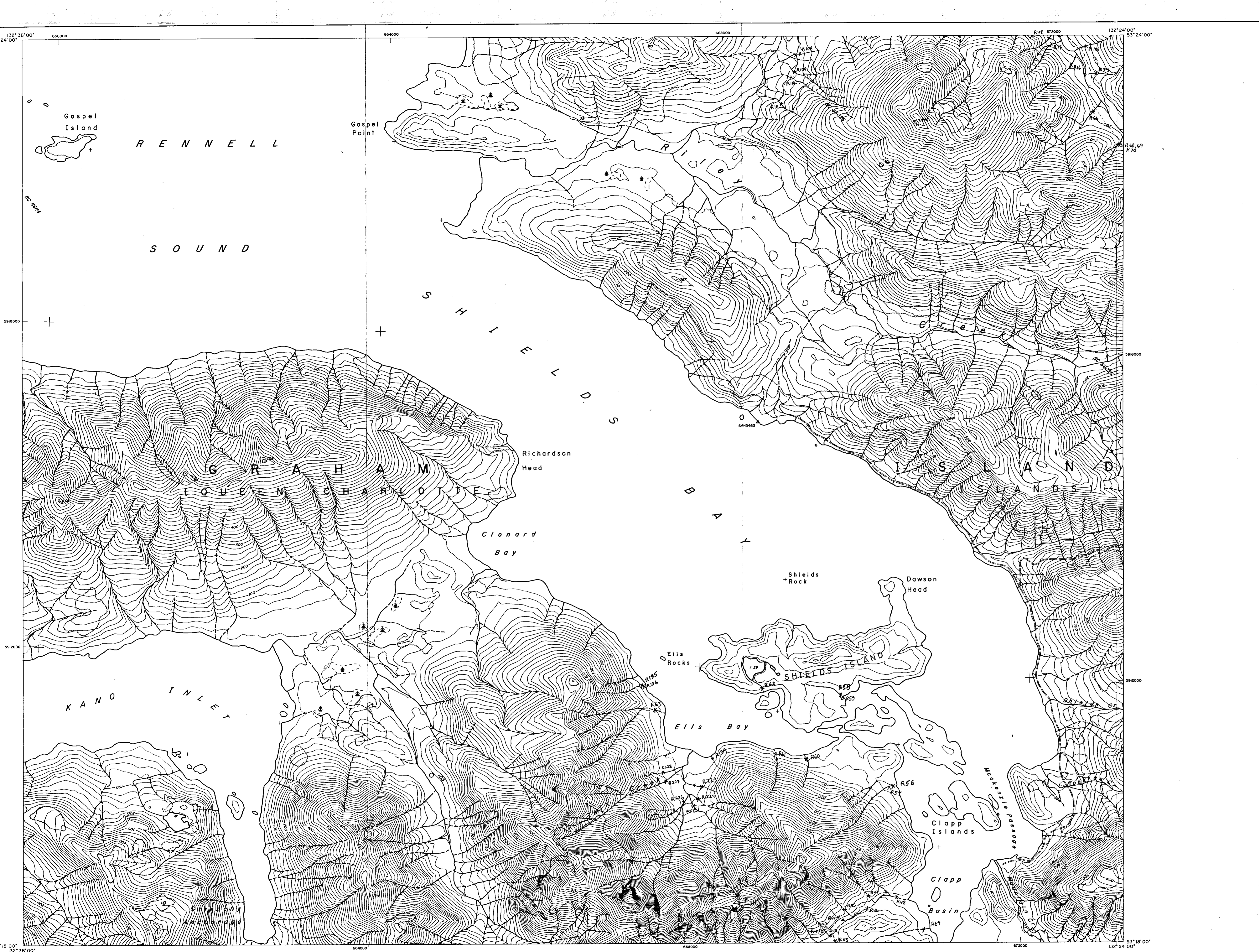
Contours generated from Digital Elevation Model.  
 Contour interval 20 metres.  
 Elevations in metres above Mean Sea Level.

DIGITAL DATA AVAILABLE

PLANIMETRY	<input checked="" type="checkbox"/>	CONTOUR	<input checked="" type="checkbox"/>
CADASTRAL	<input type="checkbox"/>	DEM	<input checked="" type="checkbox"/>

103F.030 DIGITAL





### LEGEND

**Transportation**

- Road, paved
- Road, loose surface
- Road, rough
- Trail/cut line
- Railway, single track
- Railway, double track
- Railway, multi track
- Railway, abandoned
- Retaining wall
- Cut/fill
- Bridge, to scale, not to scale
- Tunnel, to scale, not to scale

**Landmark features**

- Building, to scale, symbolised
- Built up area
- Fence
- Transmission line
- Tower/pylon

**Drainage and related features**

- High water mark, water course definite
- High water mark, water course indefinite
- Stream, intermittent
- Stream, split
- Dyke
- Flooded land
- Swamp/marsh
- Beaver dam
- Pier
- Rock/Island less than 20m
- Water level

**Relief features**

- Contour, index
- Contour, intermediate
- Contour, indefinite
- Contour, depression
- Spot elevation

**Vegetation**

- Wooded area

**Control data**

- Monumented horizontal control point
- Monumented vertical control point

**Cadastral**

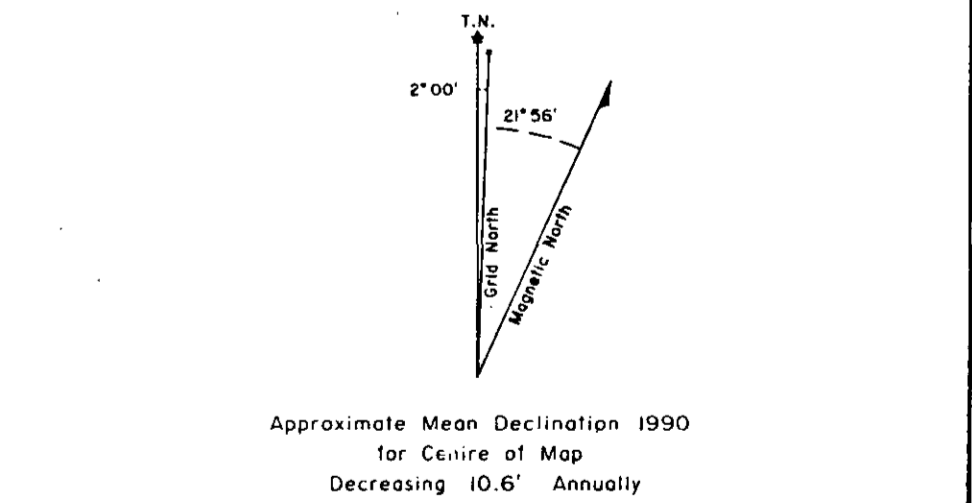
- Surveys of Federal and Provincial Crown Land
- Sub-division of Provincial Crown Land
- Rights of way:
- Township boundary
- District lot, Township section line
- Indian reserve, Foreshore lot
- Mineral claim, Coal lease, Coal licence
- 1/4 section line in a Township, Legal or Crown subdivision, Rights of way
- Surveyed Cadastral Tie Point

For complete reference to symbols, see "Specifications and Guidelines for Digital Topographic and Cadastral Mapping at 1:20 000" published by the Ministry of Environment and Parks.

**Notes**

Digital data and additional copies of this map are available through MAPS-BC, Ministry of Environment and Parks, Victoria.

Errors and omissions should be brought to the attention of the Director, Surveys and Resource Mapping Branch, Ministry of Environment and Parks, Parliament Buildings, Victoria B.C. V8V 1X5



103F.047	103F.048	103F.049
103F.037	103F.038	103F.039
103F.027	103F.028	103F.029

Adjacent Sheet Index in the British Columbia Geographic System.

98-24 (10)

This map was produced in 1990, for the B.C. Ministry of Environment and Parks, under its Terrain Resource Information Management (TRIM) initiative, by Digital Mapping Group Ltd., from 1:60 000 scale aerial photography flown in June, 1986.

BRITISH COLUMBIA Lands Source Mapping Branch	Universal Transverse Mercator Projection North American Datum - NAD83 UTM Zone 8	Land District: Land Title Dist.: Latest Plan No.: Date:	SCALE 1:20 000 200 0 200 400 600 800 1000 1200 1400 METRES	Contours generated from Digital Elevation Model. Contour interval 20 metres. Elevations in metres above Mean Sea Level.	DIGITAL DATA AVAILABLE PLANIMETRY <input checked="" type="checkbox"/> CONTOUR <input checked="" type="checkbox"/> CADASTRAL <input type="checkbox"/> DEM <input checked="" type="checkbox"/>	103F.038 DIGITAL



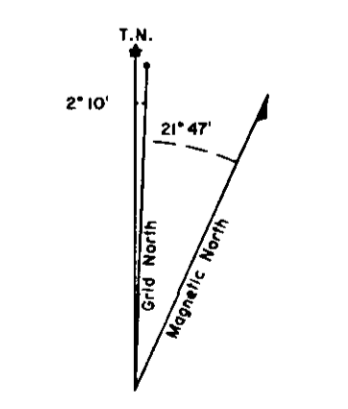
**LEGEND**

- Transportation**
  - Road, paved
  - Road, gravel
  - Road, rough
  - Trail/Cutline/Seismic line
  - Railway, single track
  - Railway, double track
  - Railway, multiple track
  - Railway, abandoned
  - Wall, retaining
  - Cut/Fill
  - Bridge, to scale, symbolized
  - Tunnel, to scale, symbolized
- Landmark features**
  - Building, to scale, symbolized
  - Built up area
  - Fence
  - Transmission line
  - Tower
- Drainage and related features**
  - Coastline/River/Stream, definite
  - Coastline/River/Stream, indefinite
  - River/Stream, intermittent
  - River/Stream, split
  - Lake, definite
  - Lake, indefinite
  - Dyke
  - Flooded land
  - Swamp/Marsh
  - Beaver dam
  - Dock/Wharf/Pier, symbolized
  - Island, symbolized
  - Water level
- Relief features**
  - Contour, index, definite
  - Contour, intermediate, definite
  - Contour, intermediate, indefinite
  - Contour, intermediate, depression
  - Spot height
- Vegetation**
  - Wooded area
- Control data**
  - Control point, horizontal, permanently marked
  - Control point, vertical, permanently marked
- Cadastral**
  - Survey of Federal and Provincial Crown Land
  - Sub-division of Provincial Crown Land
  - Rights-of-way
  - Township
  - District lot/Township section/Indian reserve
  - Mineral claim/Coal or Phosphate licence
  - Rights-of-way, transportation
  - 1/4 section/Foreshore lot/Subdivision
  - Rights-of-way, utilities
  - Cadastral tie

For complete reference to symbols, see "Specifications and Guidelines for Digital Baseline Mapping at 1:20 000" published by the Ministry of Crown Lands.

**Notes**

Digital data and additional copies of this map are available through MAPS-BC, Surveys and Resource Mapping Branch, Ministry of Crown Lands, Parliament Buildings, Victoria B.C. V8V 1X4



Approximate Mean Declination 1990 for Centre of Map  
Decreasing 10.6" Annually

103F.046	103F.049	103F.050
103F.038	103F.039	103F.040
103F.028	103F.029	103F.030

Adjacent Sheet Index in the British Columbia Geographic System.

98-24 (1)

BRITISH COLUMBIA  
Crown Lands  
Resource Mapping Branch

Universal Transverse Mercator Projection  
North American Datum - NAD83  
UTM Zone 8

Land District:  
Land Title Dist.:  
Latest Plan No.:  
Date:

**SCALE 1:20 000**

200 0 200 400 600 800 1000 1200 1400  
METRES

Contours generated from Digital Elevation Model.  
Contour interval 20 metres.  
Elevations in metres above Mean Sea Level.

**DIGITAL DATA AVAILABLE**

PLANIMETRY   
CADASTRAL

CONTOUR   
DEM

**103F.039 DIGITAL**

This map was produced in 1990, for the B.C. Ministry of Crown Lands, under its Terrain Resource Information Management (TRIM) initiative, by the Digital Mapping Group Limited (DMG), from 1:60 000 scale aerial photography flown in June, 1986



**LEGEND**

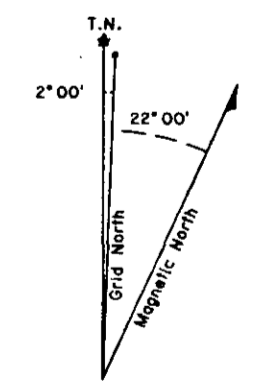
- Transportation**
- Road, paved
  - Road, loose surface
  - Road, rough
  - Trail/cut line
  - Railway, single track
  - Railway, double track
  - Railway, multi track
  - Railway, abandoned
  - Retaining wall
  - Cut/fill
  - Bridge, to scale, not to scale
  - Tunnel, to scale, not to scale
- Landmark features**
- Building, to scale, symbolised
  - Built up area
  - Fence
  - Transmission line
  - Tower/pylon
- Drainage and related features**
- High water mark, water course definite
  - High water mark, water course indefinite
  - Stream, intermittent
  - Stream, split
  - Dyke
  - Flooded land
  - Swamp/marsh
  - Beaver dam
  - Fier
  - Rock/Island less than 20m
  - Water level
- Relief features**
- Contour, index
  - Contour, intermediate
  - Contour, indefinite
  - Contour, depression
  - Spot elevation
- Vegetation**
- Wooded area
- Control data**
- Monumented horizontal control point
  - Monumented vertical control point
- Cadastral**
- Surveys of Federal and Provincial Crown Land
  - Sub-division of Provincial Crown Land
  - Rights of way
  - Township boundary
  - District lot, Township section line
  - Indian reserve, Foreshore lot
  - Mineral claim, Coal lease, Coal licence
  - 1/4 section line in a Township, Legal or Crown subdivision, Rights of way
  - Surveyed Cadastral Tie Point

For complete reference to symbols, see "Specifications and Guidelines for Digital Topographic and Cadastral Mapping at 1:20 000" published by the Ministry of Environment and Parks.

**Notes**

Digital data and additional copies of this map are available through MAPS-BC, Ministry of Environment and Parks, Victoria.

Errors and omissions should be brought to the attention of the Director, Surveys and Resource Mapping Branch, Ministry of Environment and Parks, Parliament Buildings, Victoria B.C. V8V 1X5



Approximate Mean Declination 1990 for Centre of Map Decreasing 10.7' Annually

103F.037	103F.038	103F.039
103F.047	103F.048	103F.049
103F.037	103F.038	103F.039

98-24 (12)

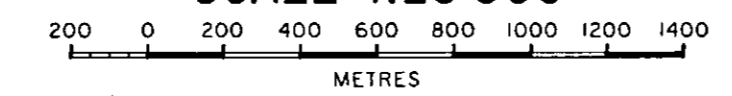
This map was produced in 1990, for the B.C. Ministry of Environment and Parks, under its Terrain Resource Information Management (TRIM) initiative, by Digital Mapping Group Ltd., from 1:60 000 scale aerial photography flown in June, 1986

BRITISH COLUMBIA  
Mapping Branch

Universal Transverse Mercator Projection  
North American Datum - NAD83  
UTM Zone 8

Land District:  
Land Title Dist.:  
Latest Plan No.:  
Date:

SCALE 1:20 000



Contours generated from Digital Elevation Model.  
Contour interval 20 metres.  
Elevations in metres above Mean Sea Level.

DIGITAL DATA AVAILABLE	
PLANIMETRY	<input checked="" type="checkbox"/>
CADASTRAL	<input type="checkbox"/>
CONTOUR	<input checked="" type="checkbox"/>
DEM	<input checked="" type="checkbox"/>

103F.048 DIGITAL