

ARIS SUMMARY SHEET

District Geologist, Victoria

Off Confidential: 89.07.29

ASSESSMENT REPORT 17996

MINING DIVISION: Nanaimo

PROPERTY: Merridian  
LOCATION: LAT 49 43 00 LONG 124 24 00  
UTM 10 5507850 399076  
NTS 092F09W  
CLAIM(S): Merridian, South Pole  
OPERATOR(S): Murphy, D.W.  
AUTHOR(S): Newman, J.E.  
REPORT YEAR: 1988, 49 Pages

COMMODITIES

SEARCHED FOR: Gold

GEOLOGICAL

SUMMARY: The property is underlain by dark green, fine-grained Upper Triassic Karmutsen Formation volcanics. These volcanics have been intruded by a quartz diorite intrusive. Amphibolite alteration was noted near the contact.

WORK

DONE: Geochemical  
SOIL 138 sample(s) ;ME  
Map(s) - 1; Scale(s) - 1:5000

LOG NO: 1114	RD.
ACTION:	
FILE NO:	

PROSPECTING ASSESSMENT REPORT  
ON THE  
MERRIDIAN CLAIM GROUP  
(MERRIDIAN, SOUTH POLE)

Sub Recorder RECEIVED
NOV 10 1988
M.R. # _____ \$ _____ VICTORIA, B.C.

NANAIMO MINING DIVISION  
TEXADA ISLAND

FILMED

LOCATED NEAR NORTHEAST POINT ON TEXADA ISLAND  
APPROXIMATELY 90 KM NORTHWEST OF VANCOUVER, B.C.

N.T.S. 92F/9W

LAT 49° 43'; LONG 124° 24'

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,996

PREPARED BY:  
JAMES E. NEWMAN  
OCTOBER 1988

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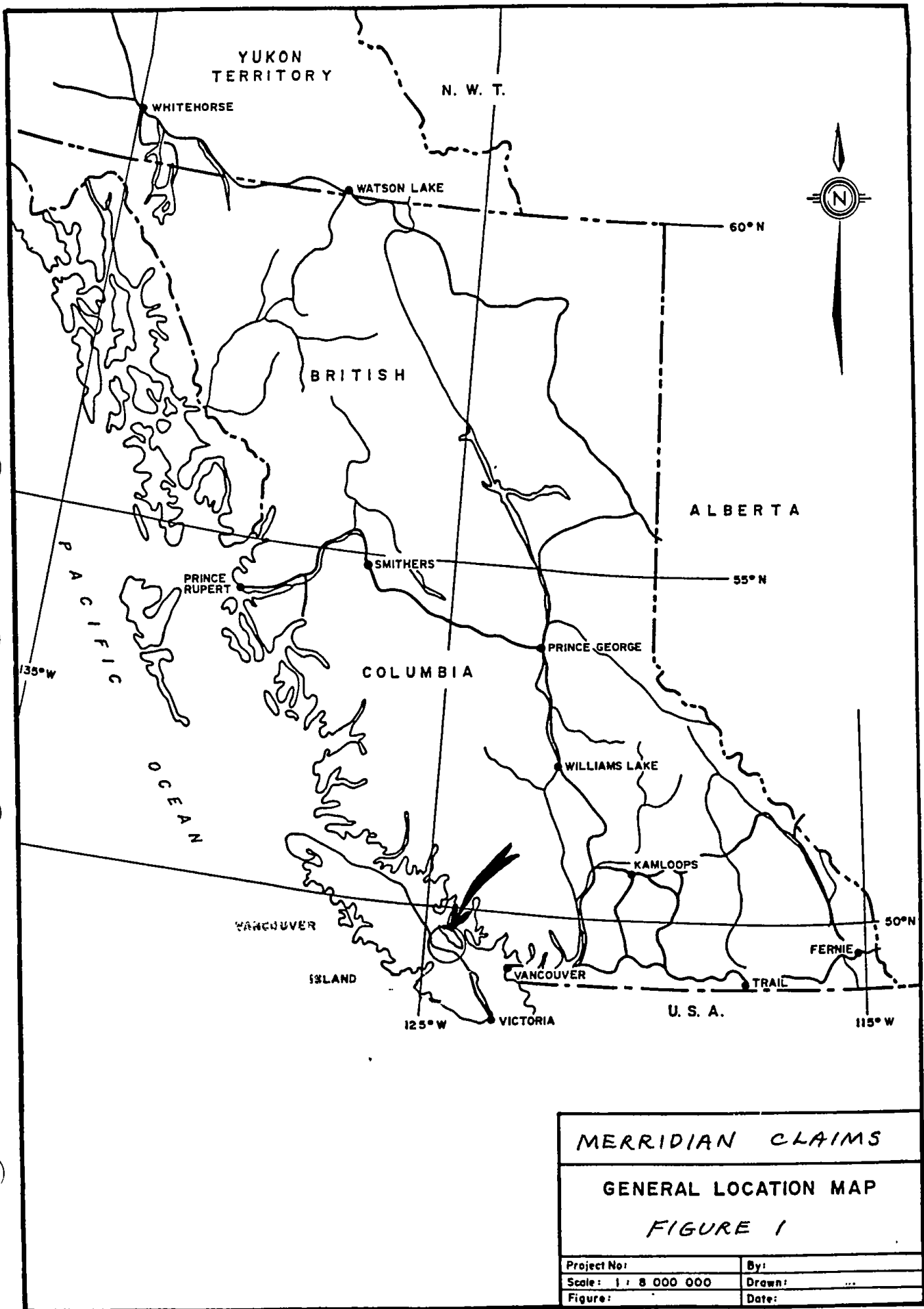
SUMMARY

A PROSPECTING SURVEY OF THE MERRIDIAN GROUP OF MINERAL CLAIMS WAS CONDUCTED FROM AUGUST 1987 TO JULY 1988. A TOTAL OF 138 SOIL SAMPLES WERE COLLECTED AT VARIOUS INTERVALS ON THE "TWO MILE" GRID LOCATION.

THE "TWO" GRID WAS ESTABLISHED AND MULTI-ELEMENT SOIL SAMPLING WAS CONDUCTED. ONE ZONE WAS OUTLINED WITH HIGH GOLD CONCENTRATIONS (MAXIMUM 310 ppb AND 220 ppb, RESPECTIVELY) AND WITH LOWER CONTRACT BASE METAL ANOMALIES. THE GOLD ANOMALY HAS A SURFACE PRINT COVERING AN AREA 200M IN LENGTH AND A WIDTH OF 75M (FIG A2).

INTRODUCTION

A GEOCHEMICAL SOIL SURVEY WAS CONDUCTED BY DAVID MURPHY (OWNER OF THE CLAIMS) OF VANANDA, B.C. IN ORDER TO EVALUATE THE MINERAL POTENTIAL OF THE MERRIDIAN CLAIM GROUP ON TEXADA ISLAND. LIMITED GEOLOGICAL MAPPING AT THE 1:5,000 SCALE WAS ALSO CONDUCTED. THIS REPORT DESCRIBES THE RESULTS OBTAINED FROM THIS SURVEY.



MERRIDIAN CLAIMS

GENERAL LOCATION MAP

FIGURE 1

Project No:	By:
Scale: 1 : 8 000 000	Drawn: ...
Figure:	Date:

HISTORY

THE MINERAL DEPOSITS OF TEXADA ISLAND INCLUDE IMPORTANT GOLD-COPPER SULPHIDE ORE BODIES, LARGE MASSES OF MAGNETITE AND QUARTZ VEINS CARRYING FREE GOLD.

NUMEROUS SMALL COPPER-GOLD MINES OPERATED ON THE MORE NORTHERLY END OF TEXADA ISLAND AROUND THE TURN OF THE CENTURY. THE MOST NOTABLE WAS THE MARBLE BAY MINE WHICH WAS WORKED CONTINUOUSLY FOR 14 YEARS AND REACHED A VERTICAL DEPTH OF 1,260 FEET. ALSO, IRON ORE WAS MINED FOR MANY YEARS NEAR GILLIES BAY WHERE TEXADA MINES LTD. WAS A LARGE PRODUCER.

LIMESTONE QUARRY OPERATIONS HAVE CONTINUED FOR MANY YEARS AS A SOURCE OF INDUSTRIAL ROCK AND FEED STOCK FOR LIME AND CEMENT PLANTS.

IN 1962 LOCAL PROSPECTORS STAKED THE NORTH POLE GROUP OF CLAIMS IN THE RUSS CREEK AREA OF TEXADA ISLAND FOLLOWING A DIP NEEDLE SURVEY WHICH INDICATED A STRONG ANOMALLY. THEY REPORTED NUMEROUS OUTCROPPINGS OF MAGNETITE AND NATIVE COPPER. (WESTERN MINER, JUNE 1963).

IN THE NORTHEAST POINT AREA, TEXADA MINES LTD CONDUCTED A MAGNETOMETER SURVEY, GEOLOGICAL MAPPING AND TRENCHING ON THE ADA AND NE CLAIMS ALONG DISSEMINATED CHALCOPYRITE FRACTURE PLANES IN ANDESITE. (MIN FILE #257, 92F9W).

IT WAS THESE REPORTS WHICH ATTRACTED DAVID MURPHY TO PROSPECT THE NORTHEAST POINT AREA.

LOCATION AND ACCESS

THE PROPERTY IS LOCATED ABOUT 15 KMS SOUTHWEST OF VANANDA, B.C. NEAR NORTHEAST POINT ON TEXADA ISLAND ON MAP 92F/9W, CENTERED AT APPROXIMATELY 124° 24' LONGITUDE AND 49° 43' LATITUDE. (FIG 1, 2 & 3).

THE CENTRAL AND NORTHERN REACHES OF THE CLAIM GROUP ARE ACCESSIBLE VIA A MAJOR GRAVEL ROAD FROM VANANDA AND A NETWORK OF LOGGING ROADS AND OVERGROWN TRAILS.

REGULAR SCHEDULED FERRY SERVICE LINKS TEXADA ISLAND WITH POWELL RIVER ON THE MAINLAND. FROM THERE OTHER FERRY ROUTES CONNECT TO COMOX ON VANCOUVER ISLAND OR TO VANCOUVER VIA THE SECHELT PENINSULA.

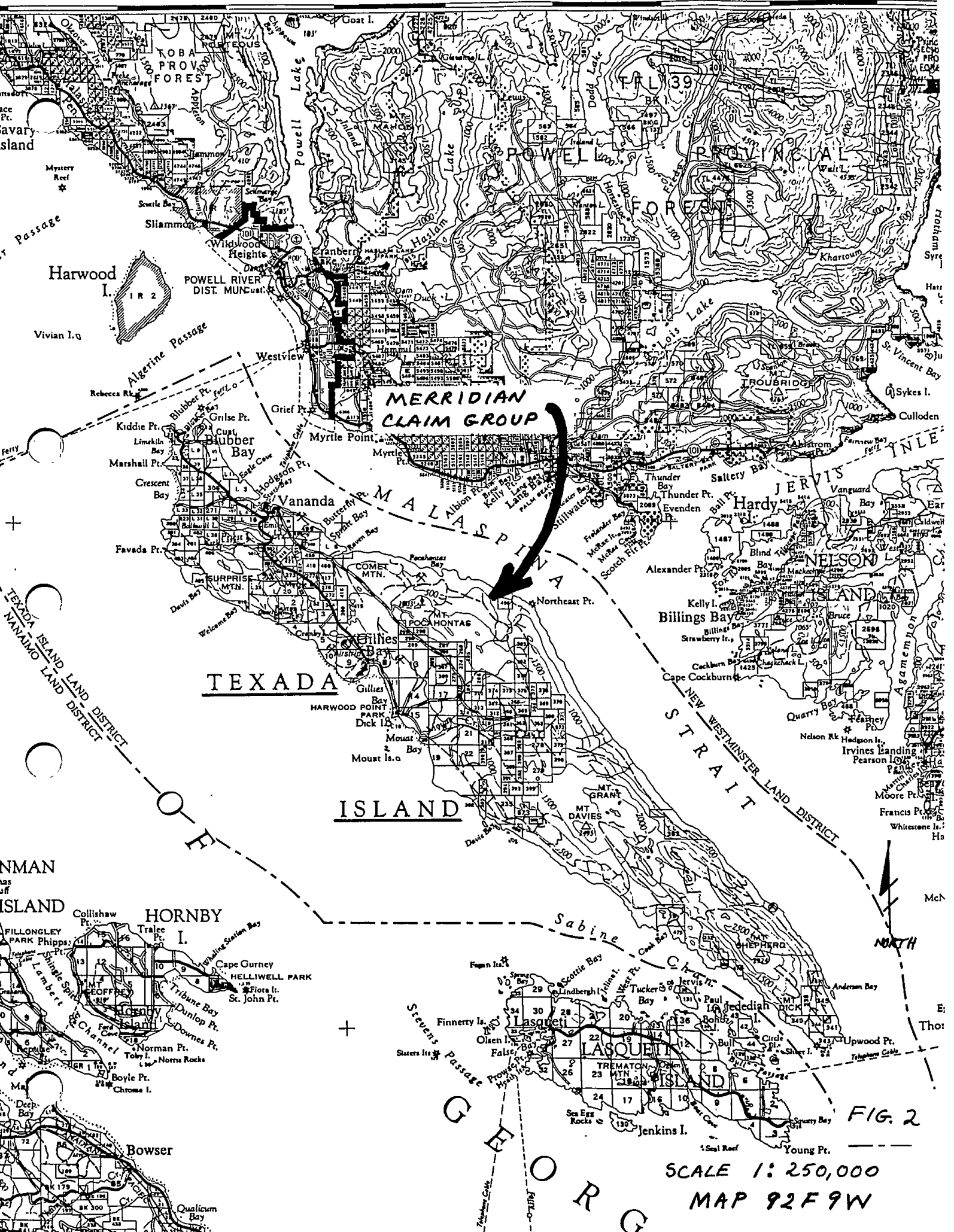


FIG. 2

SCALE 1: 250,000  
 MAP 92F9W

TOPOGRAPHY AND VEGETATION

THE RELIEF OVER MOST OF THE PROPERTY IS GENTLE AND ROLLING WITH ELEVATIONS RANGING FROM SEA LEVEL TO 450M, WITH SLOPES OF 5 ° TO 25 °.

LOGGING HAS BEEN CONDUCTED OVER MUCH OF THE CLAIM AREA OVER THE PAST 30 YEARS UP TO AND INCLUDING THE PRESENT TIME WHERE RECENT LOG SLASH IS EVIDENT. SECOND GROWTH DOUGLAS FIR, HEMLOCK AND CEDAR STANDS OF FOREST WITH MOUNTAIN HUCKLEBERRY AND SALAL BUSHES COVER THE OLDER LOGGED OFF AREAS.

LAND STATUS (FIG 2)

THE FOLLOWING IS A LIST OF THE MINERAL CLAIMS COVERING THE PROJECT AREA. THESE CLAIMS ARE WHOLLY OWNED BY DAVID MURPHY OF VANANDA, B.C.

<u>CLAIM NAME</u>	<u>RECORD NO.</u>	<u>NO. OF UNITS</u>	<u>EXPIRY DATES</u> (as of Oct/88) (after assessment credits)	
MERRIDIAN	2754	20	Aug. 14, 1988	Aug. 14, 1989
SOUTH POLE	2753	<u>16</u>	Aug. 14, 1988	Aug. 14, 1989

36 UNITS

VANCOUVER M. D.  
NANAIMO M. D.

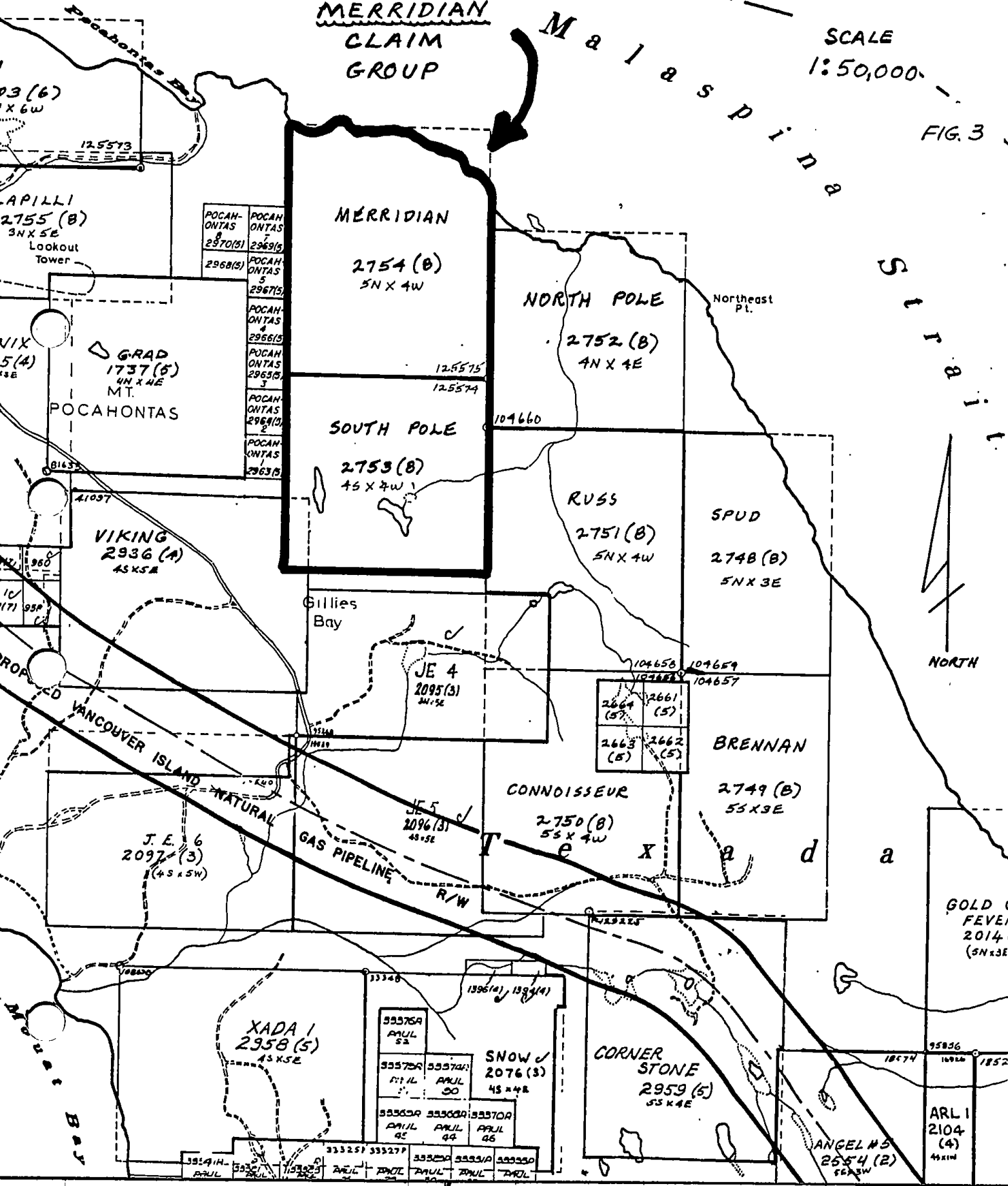
TEXADA  
ISLAND  
MAP 92F9W

SCALE  
1:50,000

FIG. 3

MERRIDIAN  
CLAIM  
GROUP

MERRIDIAN  
CLAIM  
GROUP



POCAHONTAS	POCAHONTAS
2970(5)	2969(5)
2968(5)	POCAHONTAS
	5
	2967(5)
POCAHONTAS	POCAHONTAS
4	2966(5)
POCAHONTAS	POCAHONTAS
2965(5)	3
POCAHONTAS	POCAHONTAS
2964(5)	2
POCAHONTAS	POCAHONTAS
2963(5)	

2664	2661
(5)	(5)
2663	2662
(5)	(5)

33375A	PAUL	52
33375B	PAUL	50
33375C	PAUL	50
33375D	PAUL	50
33375E	PAUL	50
33375F	PAUL	50
33375G	PAUL	50
33375H	PAUL	50
33375I	PAUL	50
33375J	PAUL	50
33375K	PAUL	50
33375L	PAUL	50
33375M	PAUL	50
33375N	PAUL	50
33375O	PAUL	50
33375P	PAUL	50
33375Q	PAUL	50
33375R	PAUL	50
33375S	PAUL	50
33375T	PAUL	50
33375U	PAUL	50
33375V	PAUL	50
33375W	PAUL	50
33375X	PAUL	50
33375Y	PAUL	50
33375Z	PAUL	50

GRID CONTROL AND SAMPLE COLLECTION

A COMPASS SURVEYED, FLAGGED AND TOPOFIL CHAINED GRID WAS ESTABLISHED AND SOIL SAMPLES COLLECTED ON NORTH EAST-SOUTH WEST TRENDING CONTROL LINES. SAMPLE SPACING OF 25M ON LINES 50M APART WAS USED. A TOTAL OF 3700M OF GRID WAS COMPLETED FOR SOIL SURVEY CONTROL. THE B SOIL HORIZON WAS SAMPLED WHERE AVAILABLE.

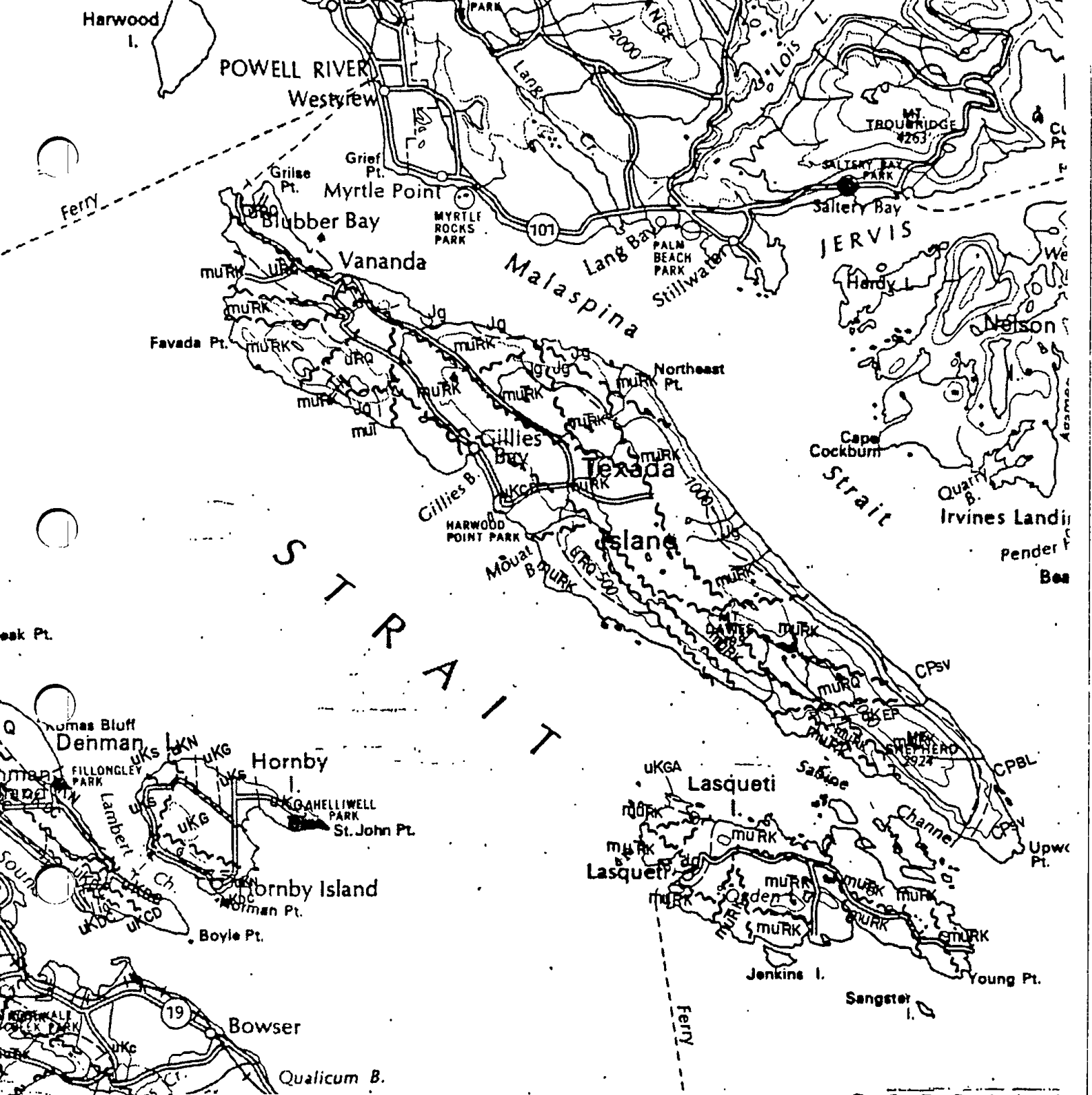
GRID ESTABLISHMENT AND SOIL COLLECTION WAS CONDUCTED BY FIELD PERSONNEL D. MURPHY, R. DUKER AND J. NEWMAN UNDER THE SUPERVISION OF D. MURPHY.

A TOTAL OF 138 SOIL SAMPLES WERE SUBMITTED TO ACME ANALYTICAL LABORATORIES LTD. IN VANCOUVER FOR ANALYSIS. A SUITE OF 30 ELEMENTS WAS DETERMINED USING THE INDUCTIVELY COUPLED PLASMA (ICP) PROCESS.

REGIONAL GEOLOGY (FIG 4)

- TEXADA ISLAND IS UNDERLAIN PREDOMINANTLY BY A MIDDLE TRIASSIC TO LOWER JURASSIC VOLCANIC-SEDIMENTARY SEQUENCE KNOWN AS THE VANCOUVER GROUP. THE KARMUTSEN FORMATION FORMS THE LARGEST PART OF THE VANCOUVER GROUP ON TEXADA, WITH THICKNESSES AVERAGING 4500 METERS. (TABLE 1)

MULLER HAS SUBDIVIDED THE KARMUTSEN INTO A LOWER SECTION OF PILLOW LAVAS, A MIDDLE SECTION OF PILLOW BRECCIAS AND AQUAGENE TUFFS AND UPPER SECTION OF LAYERED BASALTIC FLOWS. THE QUATSINO FORMATION CONSISTS OF A LOWER SECTION OF THICKLY BEDDED TO MASSIVE LIMESTONE WITH AN UPPER SECTION OF THINLY BEDDED LIMESTONE. ON TEXADA ISLAND THIS LIMESTONE IS QUARRIED FOR USE IN THE CEMENT INDUSTRY.



**LEGEND**

- |                               |       |                                                         |
|-------------------------------|-------|---------------------------------------------------------|
| NANAIMO Gp. (Companion)       | uKEP  | EXTENSION-PROTECTION FM. Conglomerate, sandstone, shale |
|                               | ukCD  | CEDAR DISTRICT FM. Shale, siltstone, sandstone          |
| JURASSIC                      | Jg    | ISLAND INTRUSIONS quartz diorite, diorite               |
| Late TRIASSIC                 | muRK  | KARMUTSEN FORMATION pillow lava, breccia, agglomerate   |
| Late TRIASSIC                 | uRQ   | QUATSINO FORMATION Limestone, minor shale               |
| SICKER GROUP Perm. & Permian? | CPBL  | BOTTLE LAKE FM. Limestone, chert                        |
|                               | CP SV | Volcanic division basaltic to rhyolitic and volcanics   |

**MERRIDIAN CLAIM GROUP**

REGIONAL GEOLOGY  
FROM MULLER 1977 Open File 463

**FIGURE 4**

PROPERTY GEOLOGY AND MINERALIZATION

A VOLCANIC - INTRUSIVE CONTACT STRADDLES THE LOGGING ROAD APPROXIMATELY TWO MILES EAST OF POCAHANTUS BAY. THERE IS CONSIDERABLE OVERBURDEN IN THE AREA, THUS MASKING THE CONTACT. HOWEVER BY MAPPING THE EXPOSED ROCK IN THE VICINITY IT IS APPARENT THAT THE QUARTZ DIORITE INTRUSIVE LIES TO THE NORTH OF THE LOGGING ROAD AND EXTENDS TO THE COASTLINE. FROM THE LOGGING ROAD TO THE SOUTH, DARK GREEN, FINE GRAINED, CHLORITIZED KARMUTSEN FORMATION VOLCANICS ARE EVIDENT. AMPHIBOLITE ALTERATION ZONES WERE NOTED NEAR THE CONTACT

399500

399000

398500

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- +100002
- +100003
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- +100010
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- +100196
- +100197
- +100198
- +100199
- +100200



TWO GRID - MERIDIAN GROUP  
 TEXADA ISLAND PROJECT - B.C.

1988 SOIL SURVEY  
 SAMPLE LOCATION MAP

DATE: AUG/88	PROJECT#: 579X
NTS: 92F/9	SCALE: 1: 5000

5507000

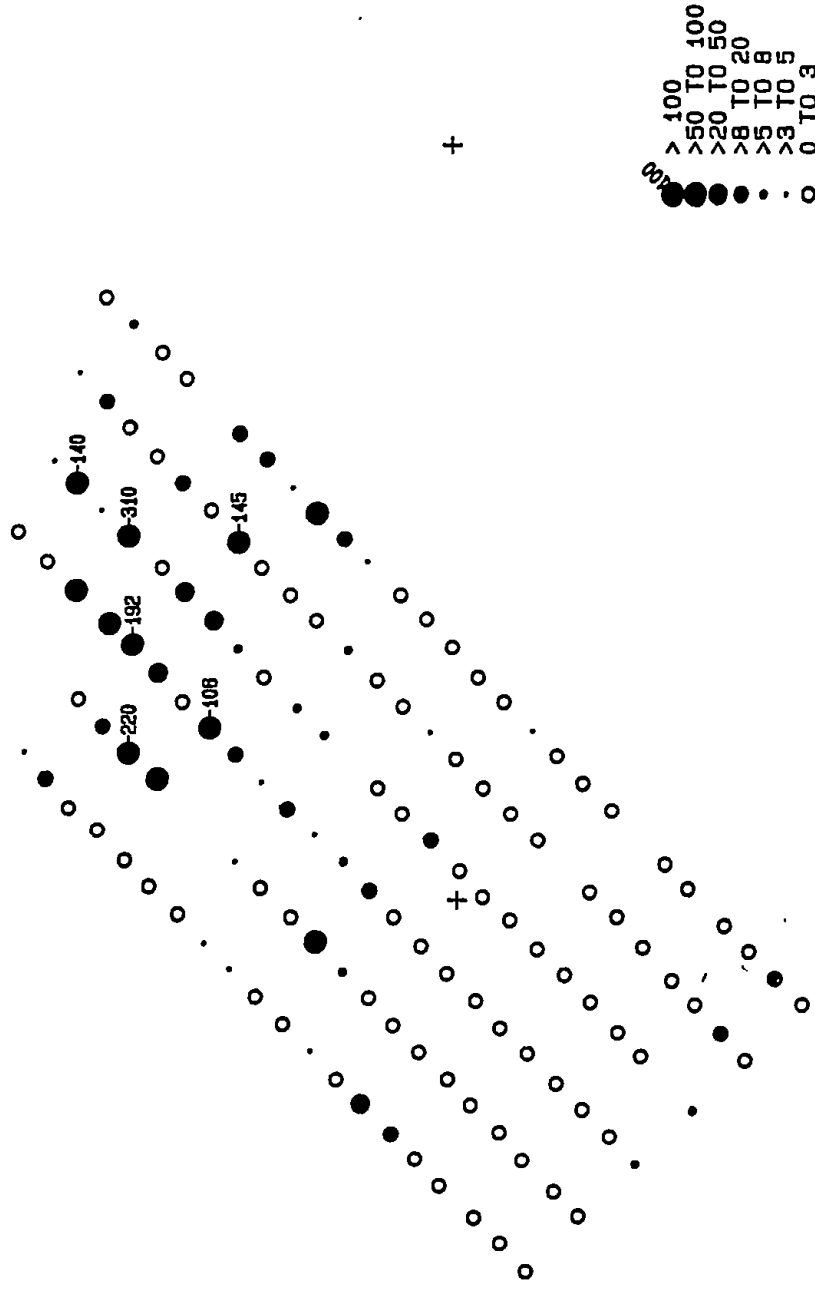
FIG A 1

6500

399500

399000

398500



- > 100
- > 50 TO 100
- > 20 TO 50
- > 8 TO 20
- > 5 TO 8
- > 3 TO 5
- 0 TO 3



TWO GRID - MERIDIAN GROUP  
 TEXADA ISLAND PROJECT - B.C.  
 1988 SOIL SURVEY

Gold (ppb)

DATE: AUG/88	PROJECT#: 578X
NTS: 92F/9	SCALE 1: 5000

FIG A2

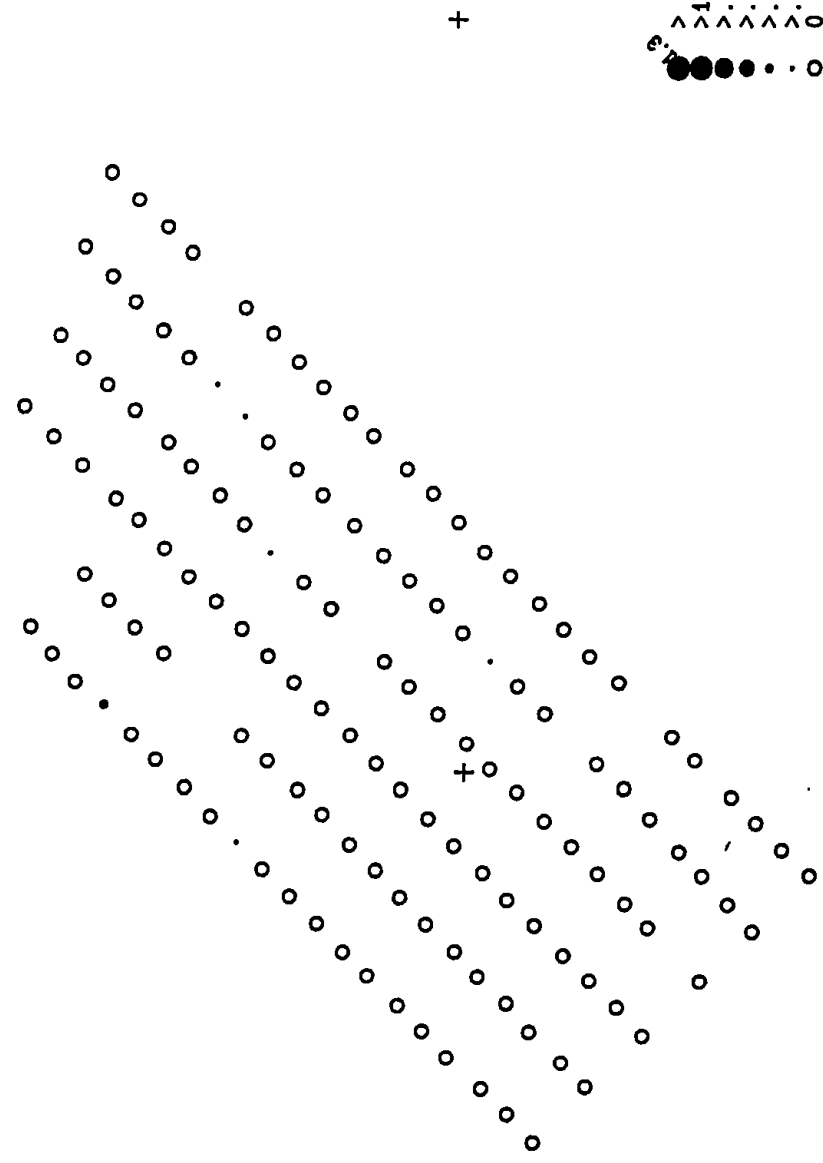
5507000

6500

399500

399000

398500



- > 1.3
- > 1.1 TO 1.3
- > .9 TO 1.1
- > .7 TO .9
- > .5 TO .7
- > .3 TO .5
- 0 TO .3



TWO GRID -- MERIDIAN GROUP  
 TEXADA ISLAND PROJECT - B.C.  
 1888 SOIL SURVEY

Silver (ppm)

DATE: AUG/88	PROJECT#: 579X
NTS: 92F/9	SCALE 1: 5000

5507000

FIG A3

6500

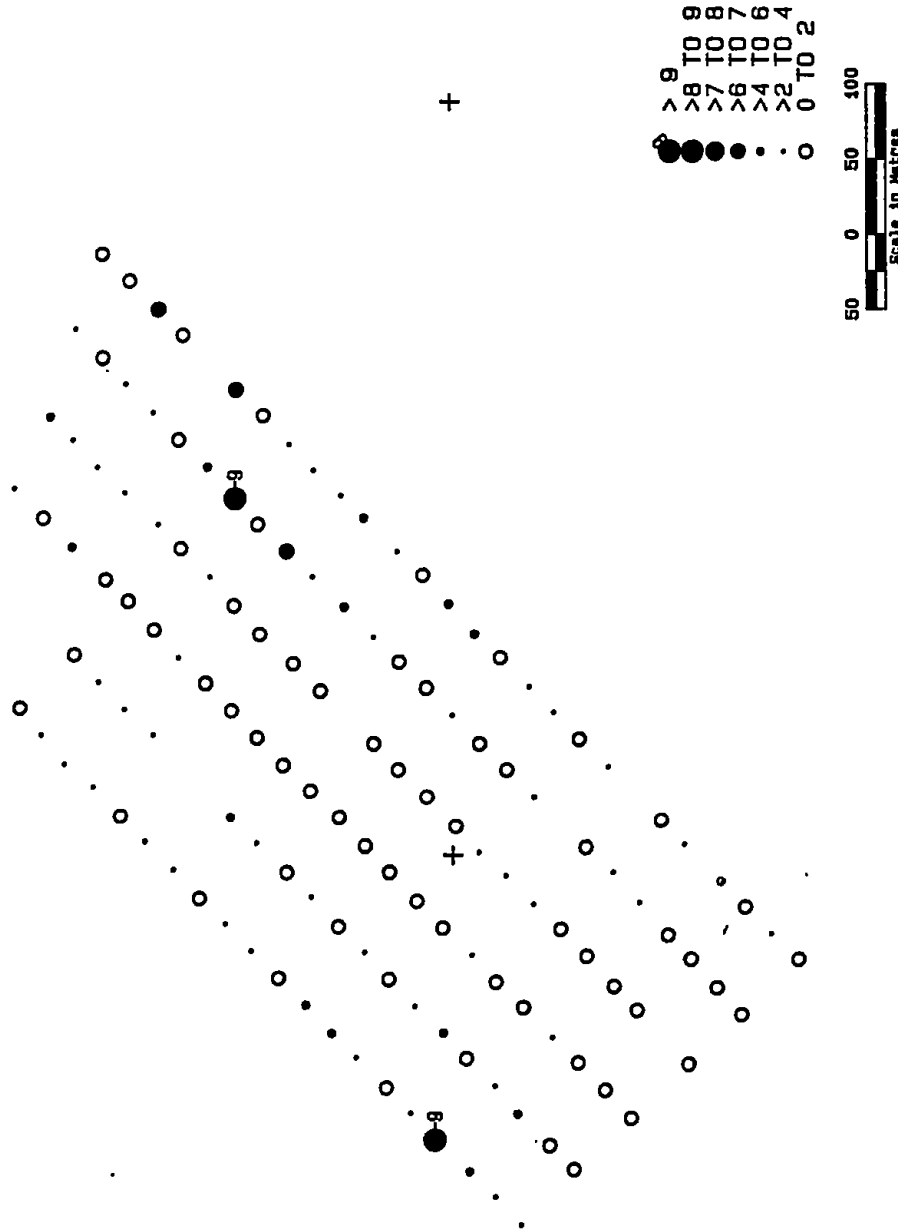
399500

399000

398500

5507000

6500



TWO GRID - MERIDIAN GROUP  
 TEXADA ISLAND PROJECT - B.C.

1888 SOIL SURVEY

Arsenic (ppm)

DATE: AUG/88	PROJECT#: 579X
NTS: 92F/9	SCALE 1: 5000

FIG A4

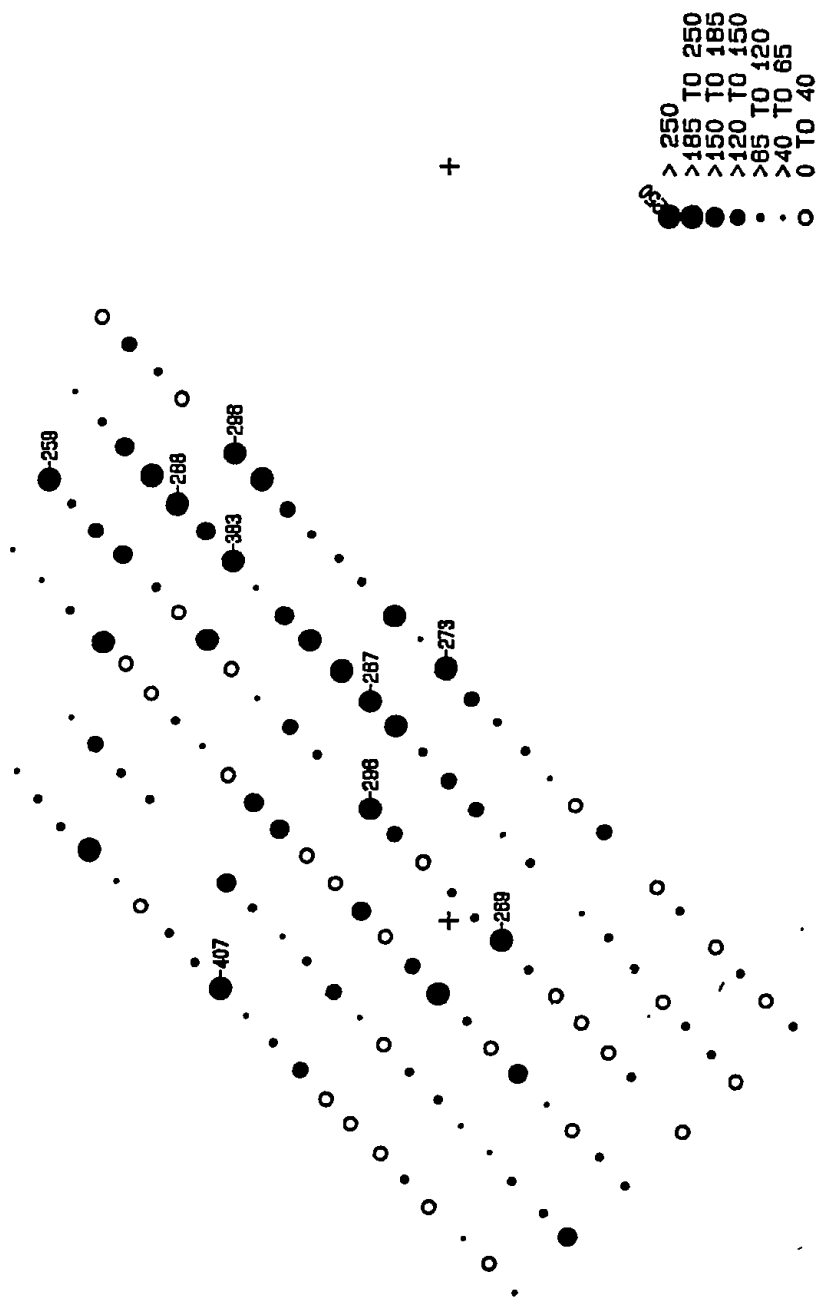
399500

399000

398500

5507000

6500



- > 250
- >185 TO 250
- >150 TO 185
- >120 TO 150
- >65 TO 120
- >40 TO 65
- 0 TO 40



TWO GRID - MERIDIAN GROUP  
 TEXADA ISLAND PROJECT - B.C.  
 1988 SOIL SURVEY

Copper (ppm)

DATE: AUG/88	PROJECT#: 579X
NTS: 92F/8	SCALE 1: 5000

FIG A5

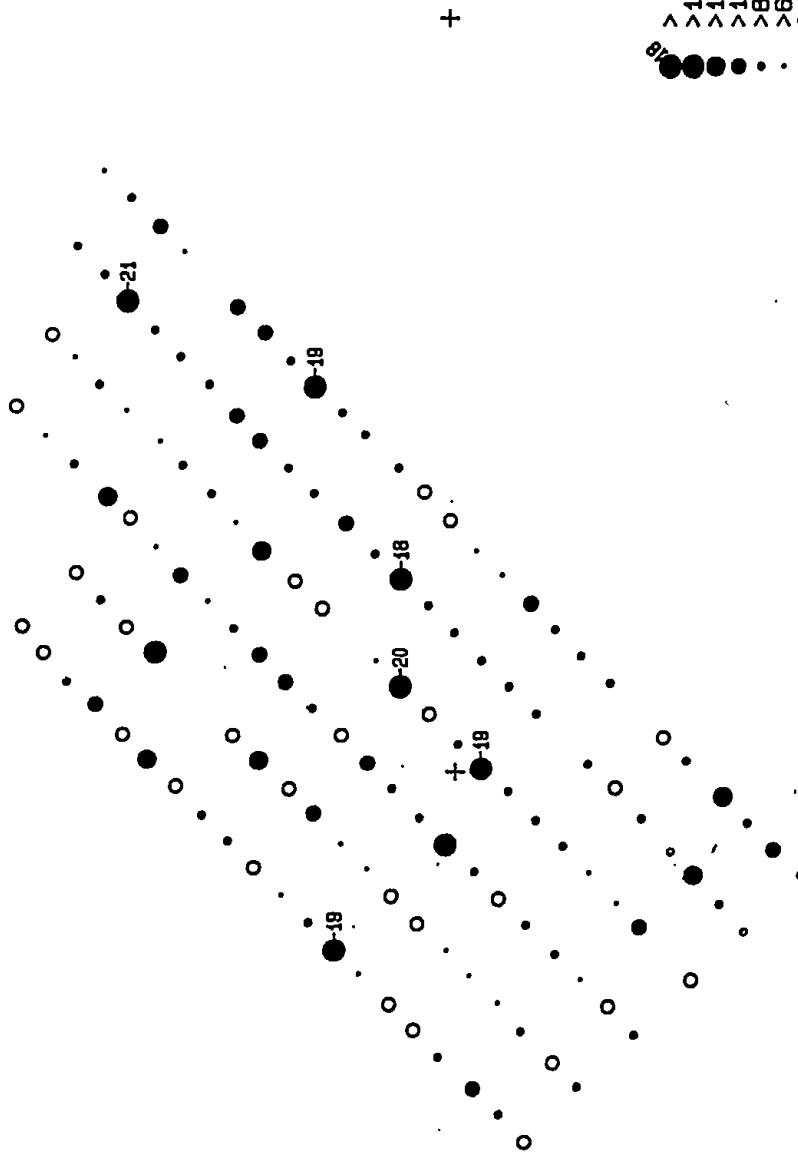
399500

399000

398500

5507000

6500



TWO GRID -- MERIDIAN GROUP  
 TEXADA ISLAND PROJECT -- B.C.  
 1988 SOIL SURVEY

Lead (ppm)

DATE: AUG/88	PROJECT#: 579X
NTS: 92F/9	SCALE 1: 5000

FIG A6

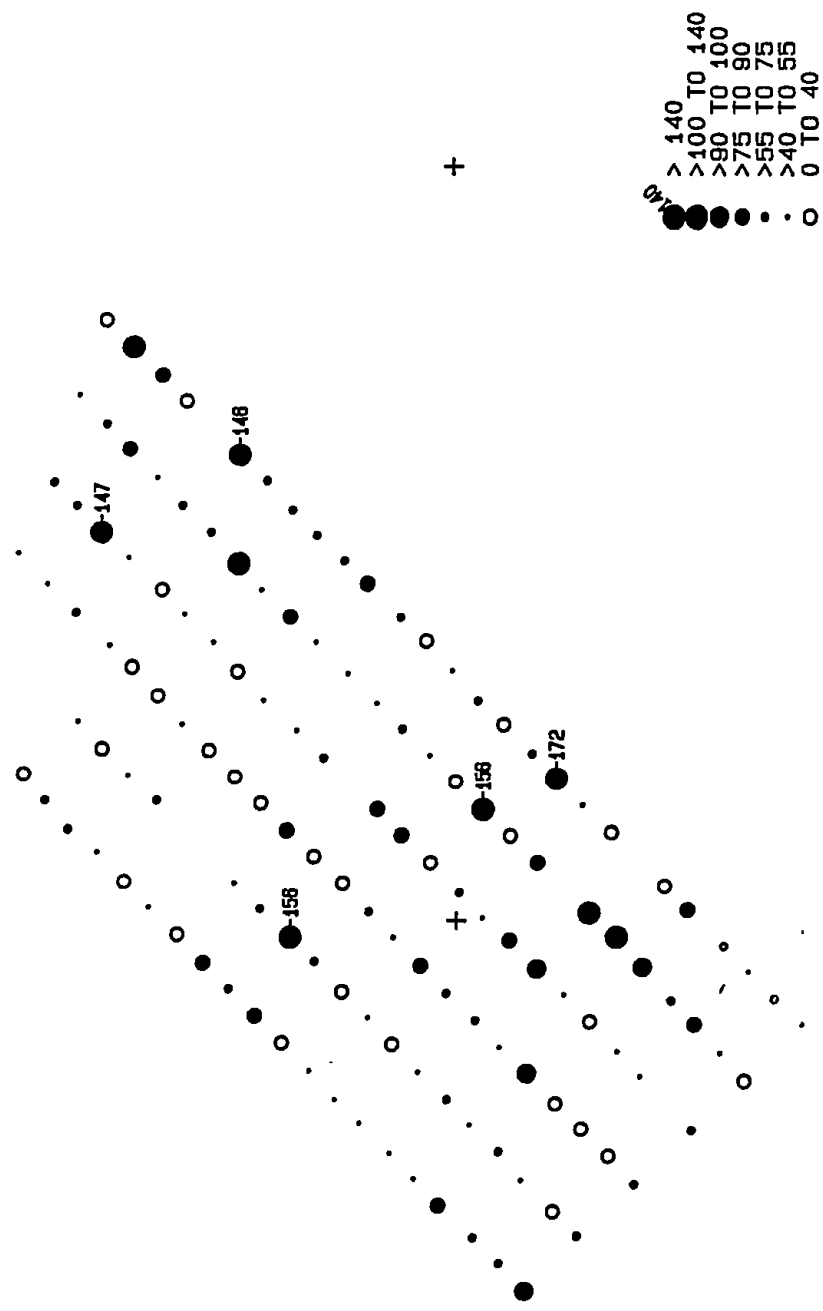
399500

399000

398500

5507000

6500



TWO GRID - MERIDIAN GROUP  
 TEXADA ISLAND PROJECT - B.C.  
 1988 SOIL SURVEY

Zinc (ppm)

DATE: AUG/88	PROJECT#: 579X
NTS: 92F/9	SCALE 1: 5000

FIG A7

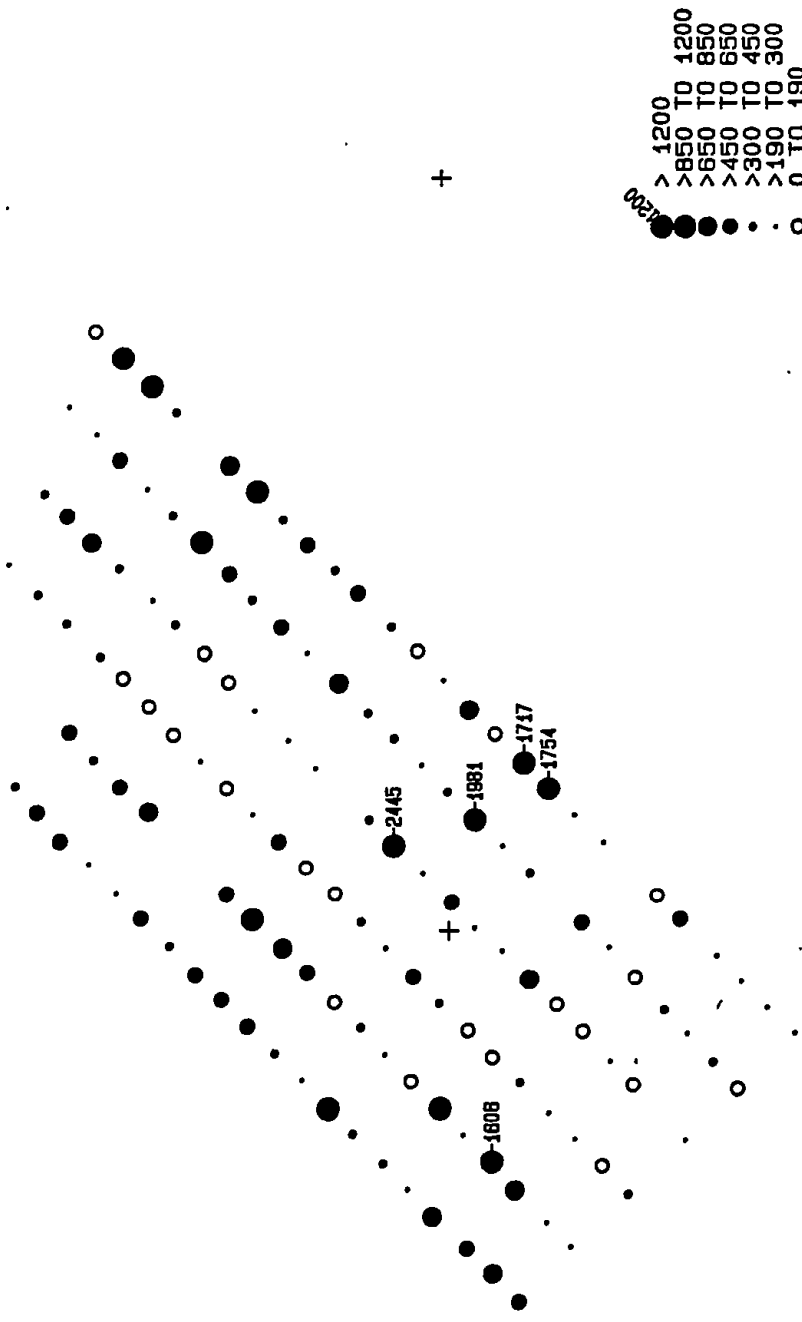
399500

399000

398500

5507000

6500



- > 1200
- > 850 TO 1200
- > 650 TO 850
- > 450 TO 650
- > 300 TO 450
- > 190 TO 300
- 0 TO 190



**TWO GRID - MERIDIAN GROUP**  
 TEXADA ISLAND PROJECT - B.C.

1988 SOIL SURVEY

Manganese (ppm)

DATE: AUG/88	PROJECT#: 579X
NTS: 92F/9	SCALE 1: 5000

FIG A8

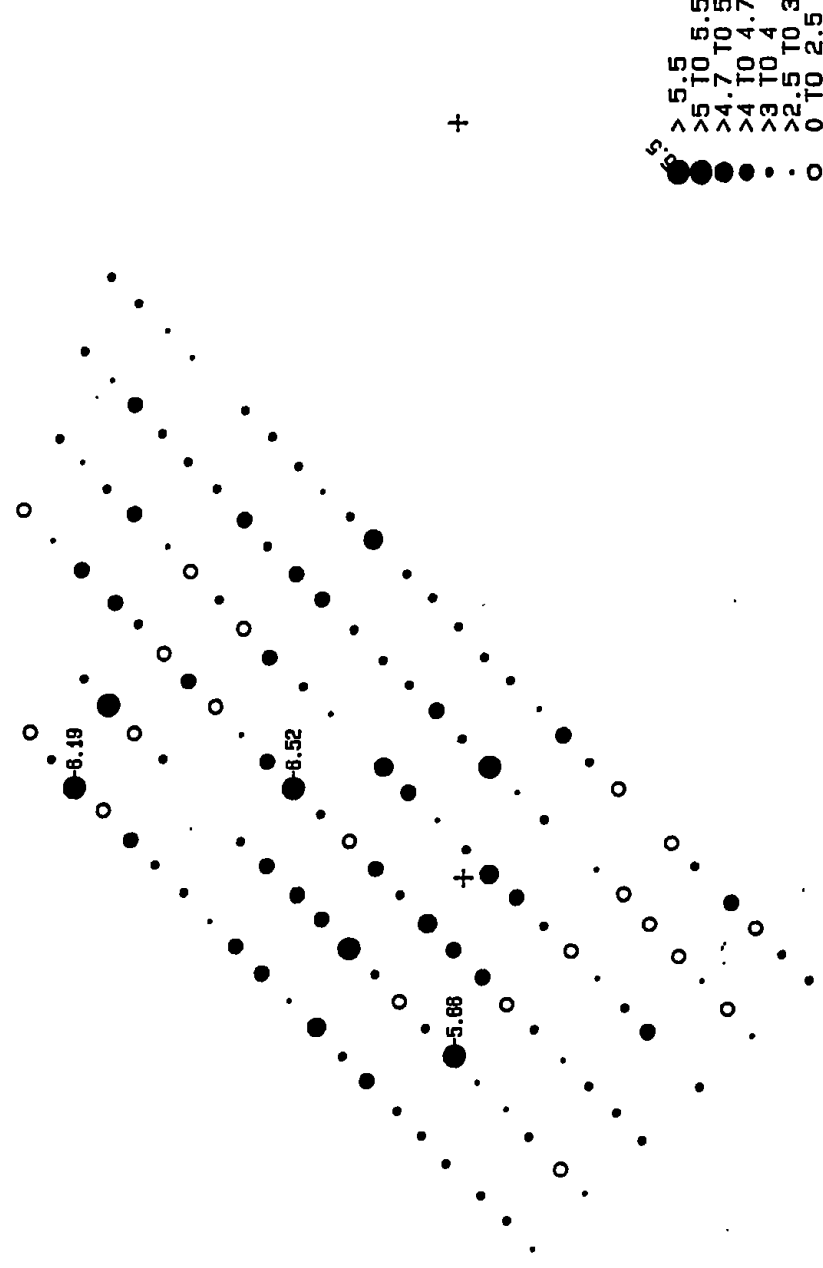
399500

399000

398500

5507000

6500



- > 5.5
- > 5 TO 5.5
- > 4.7 TO 5.5
- > 4 TO 4.7
- > 3 TO 4
- > 2.5 TO 3
- 0 TO 2.5



TWO GRID -- MERIDIAN GROUP  
 TEXADA ISLAND PROJECT -- B.C.  
 1988 SOIL SURVEY

Iron (%)

DATE: AUG/88	PROJECT#: 579X
NTS: 92F/9	SCALE 1: 5000

FIG A9

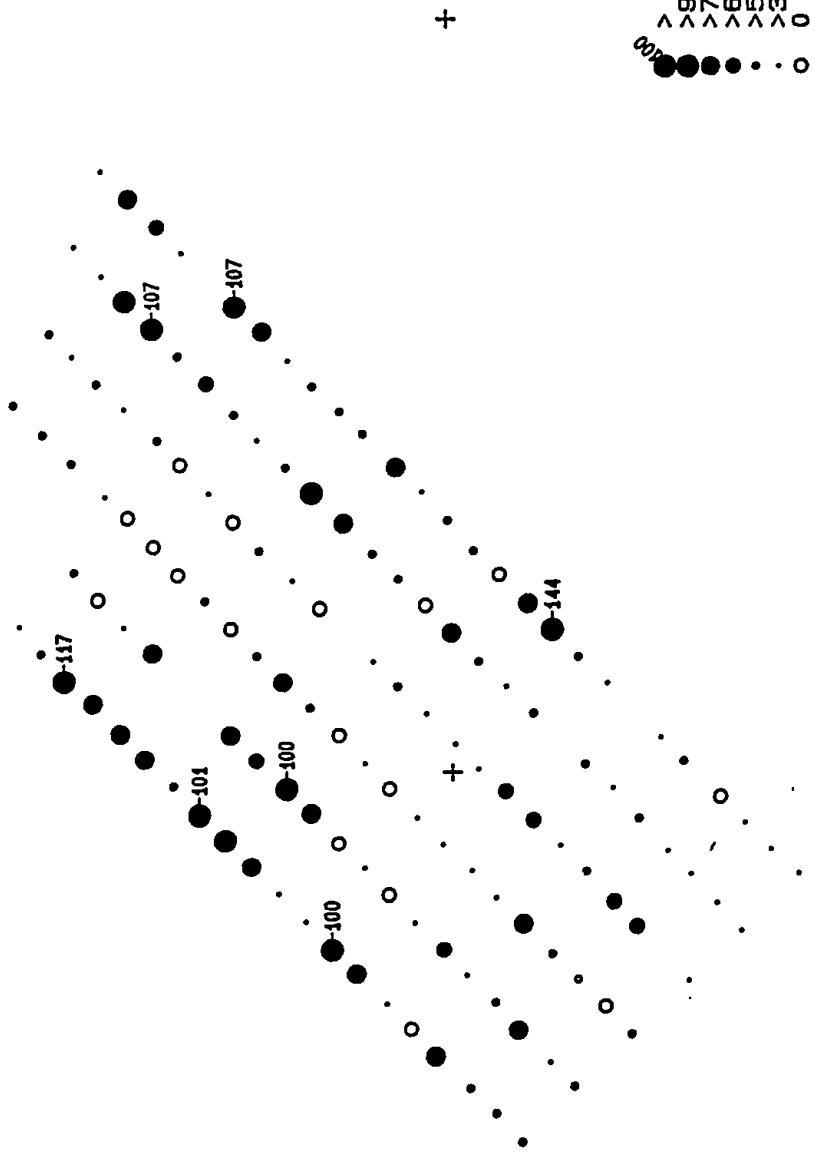
399500

399000

398500

5507000

6500



TWO GRID - MERIDIAN GROUP  
 TEXADA ISLAND PROJECT - B.C.

1988 SOIL SURVEY

Barium (ppm)

DATE: AUG/88

PROJECT#: 579X

NTS: 92F/9

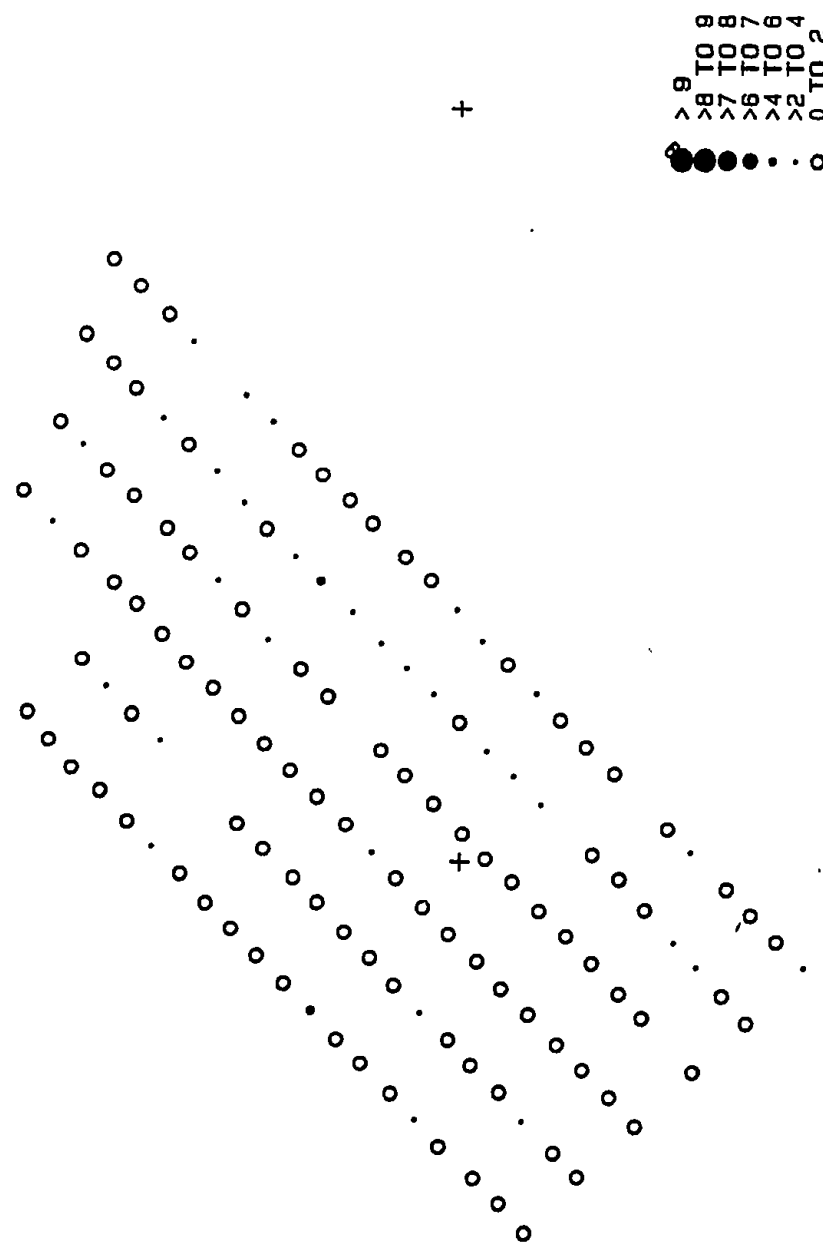
SCALE 1: 5000

FIG A10

399500

399000

398500



- > 9
- > 8 TO 8
- > 7 TO 7
- > 6 TO 6
- > 5 TO 5
- > 4 TO 4
- > 3 TO 3
- > 2 TO 2
- 0 TO 0



TWO GRID -- MERIDIAN GROUP  
 TEXADA ISLAND PROJECT -- B.C.

1988 SOIL SURVEY

Antimony (ppm)

DATE: AUG/88	PROJECT#: 579X
NTS: 82F/8	SCALE 1: 5000

5507000

FIG A11

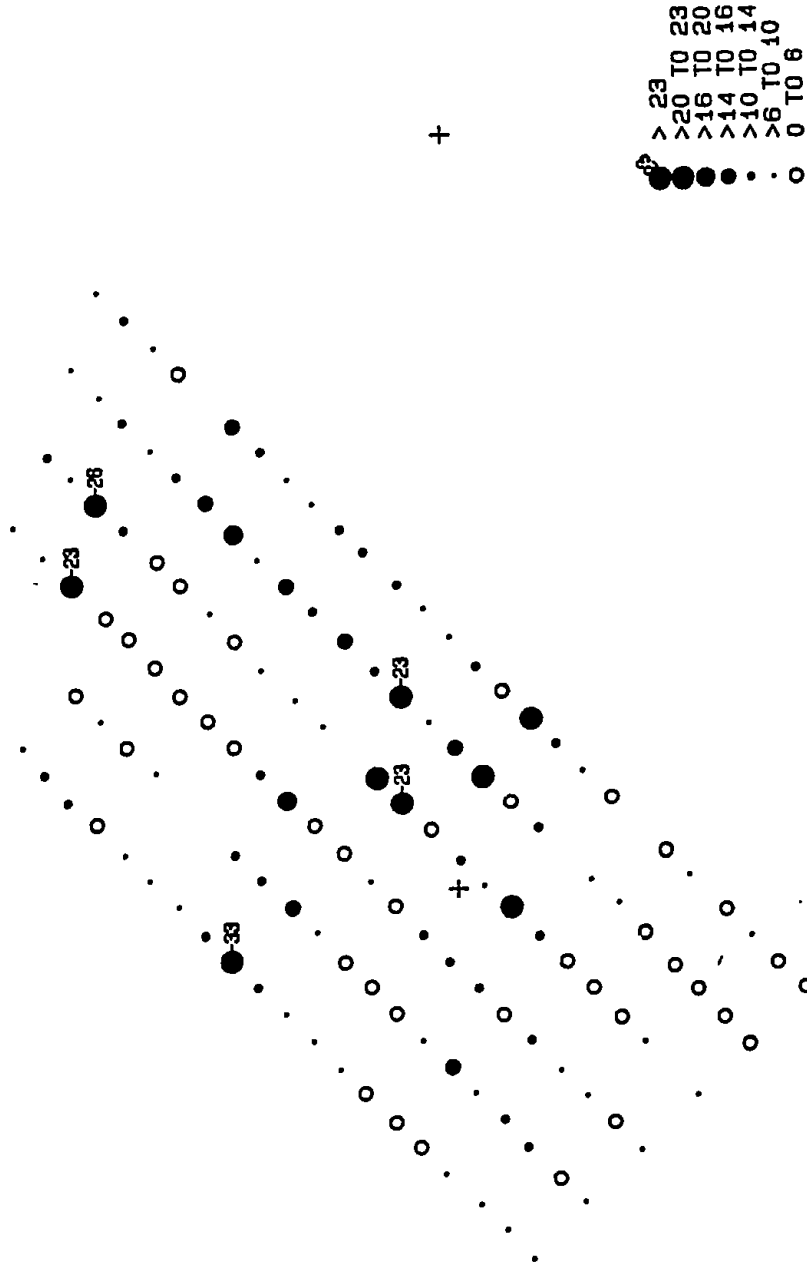
6500

399500

399000

398500

5507000



TWO GRID - MERIDIAN GROUP  
 TEXADA ISLAND PROJECT - B.C.  
 1988 SOIL SURVEY

Cobalt (ppm)

DATE: AUG/88

PROJECT#: 579X

NTS: 92F/9

SCALE 1: 5000

FIG A12

6500

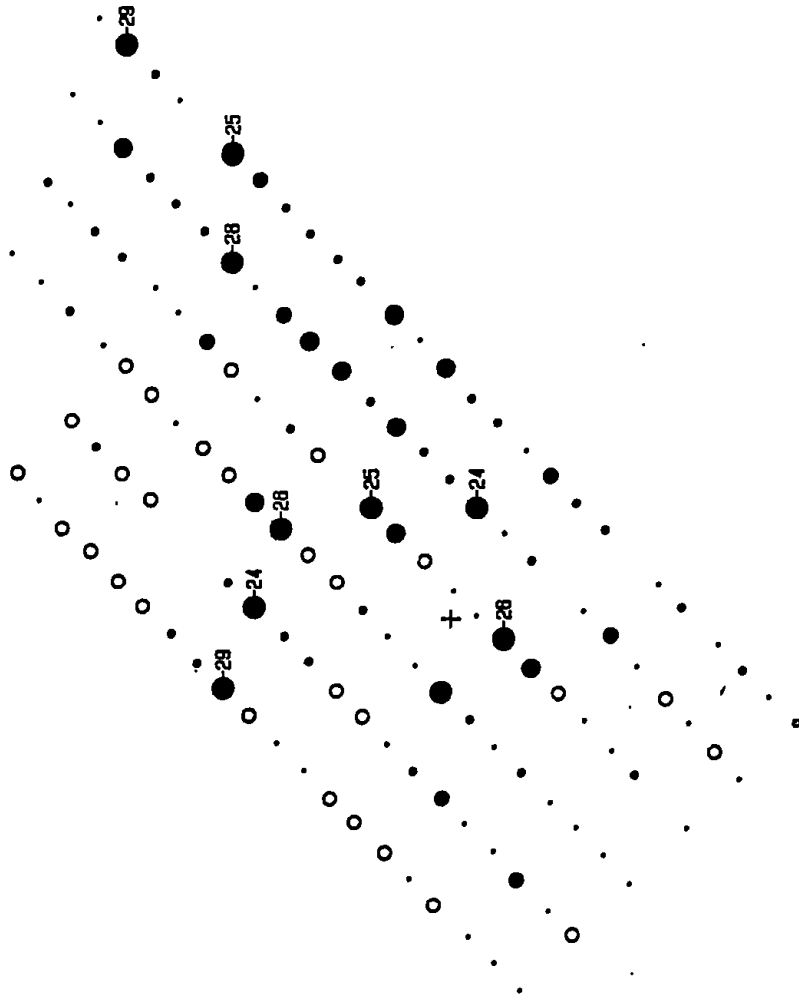
399500

399000

398500

5507000

6500



- > 23
- > 21 TO 23
- > 19 TO 21
- > 17 TO 19
- > 13 TO 17
- > 9 TO 13
- 0 TO 9



TWO GRID - MERIDIAN GROUP  
 TEXADA ISLAND PROJECT - B.C.  
 1988 SOIL SURVEY  
 Nickel (ppm)

DATE: AUG/88	PROJECT#: 579X
NTS: 92F/8	SCALE 1: 5000

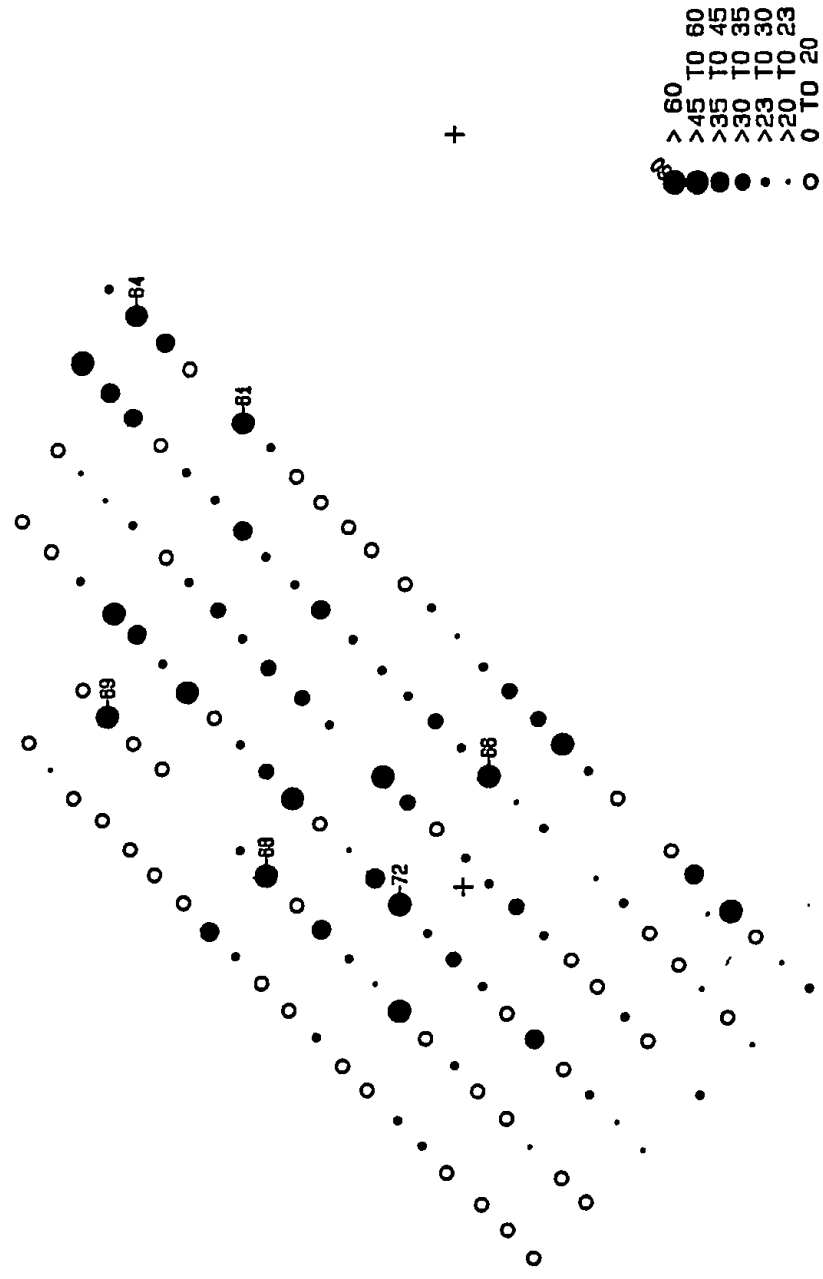
FIG A13

399500

399000

398500

5507000



- > 60
- >45 TO 60
- >35 TO 45
- >30 TO 35
- >23 TO 30
- >20 TO 23
- 0 TO 20



TWO GRID - MERIDIAN GROUP  
 TEXADA ISLAND PROJECT - B.C.

1988 SOIL SURVEY  
 Chromium (ppm)

DATE: AUG/88	PROJECT#: 579X
NTS: 92F/9	SCALE 1: 5000

FIG A14

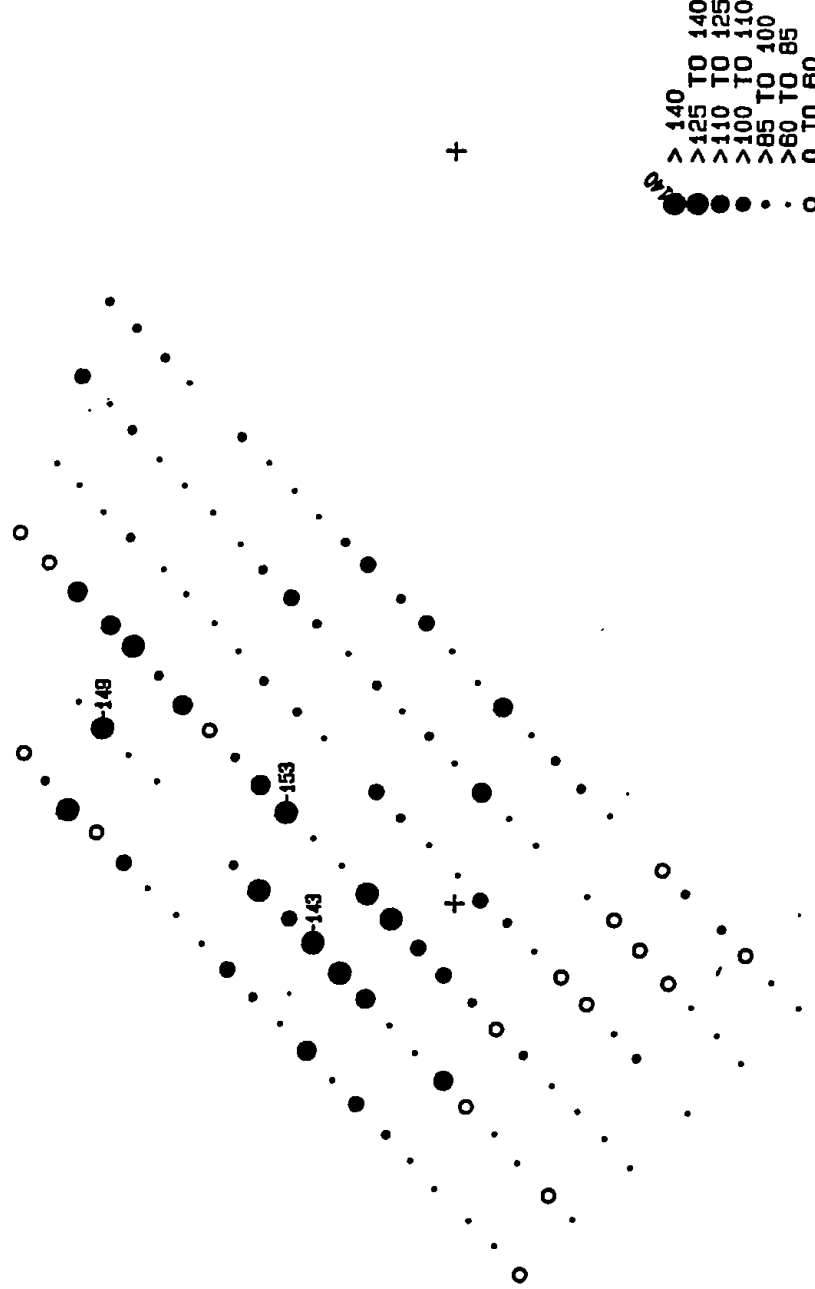
6500

398500

399000

399500

5507000



- > 140
- > 125 TO 140
- > 110 TO 125
- > 100 TO 110
- > 85 TO 100
- > 60 TO 85
- 0 TO 60



TWO GRID -- MERIDIAN GROUP  
 TEXADA ISLAND PROJECT -- B.C.  
 1988 SOIL SURVEY  
 Vanadium (ppm)

DATE: AUG/88	PROJECT#: 579X
NTS: 92F/9	SCALE 1: 5000

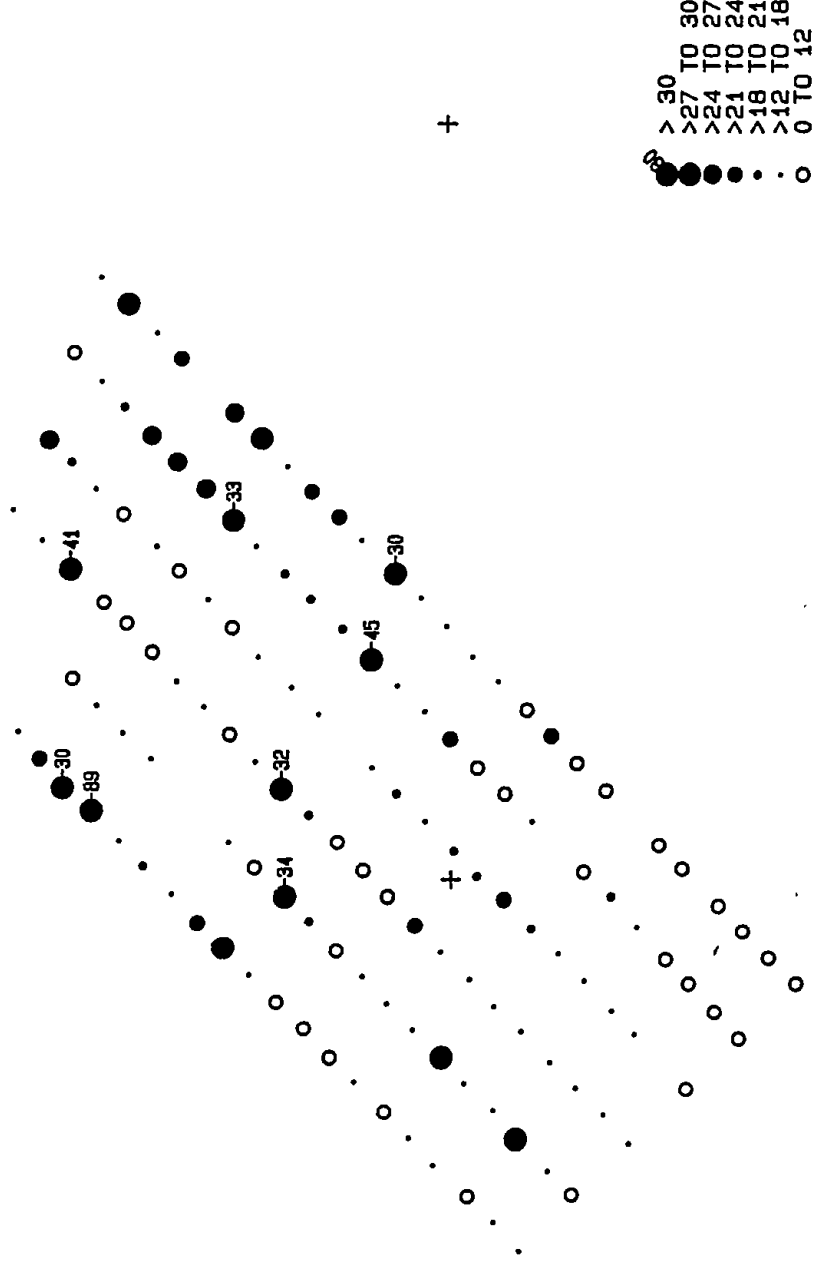
FIG A.15

399500

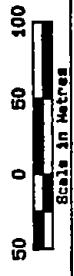
399000

398500

5507000



- > 30
- >27 TO 30
- >24 TO 27
- >21 TO 24
- >18 TO 21
- >12 TO 18
- 0 TO 12



TWO GRID -- MERIDIAN GROUP  
 TEXADA ISLAND PROJECT -- B.C.

1988 SOIL SURVEY

Strontium (ppm)

DATE: AUG/88	PROJECT#: 579X
NTS: 82F/9	SCALE 1: 5000

FIG A16

6500

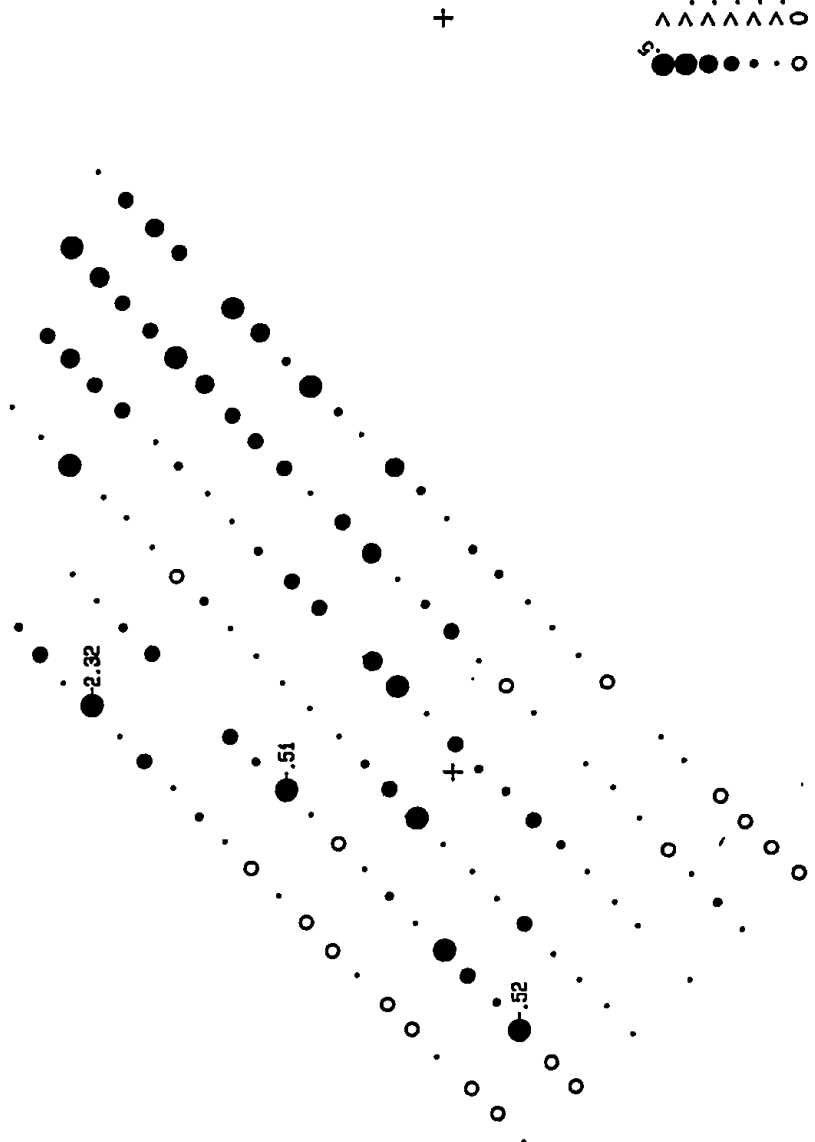
399500

399000

398500

5507000

6500



- > .5
- > .4 TO .5
- > .35 TO .4
- > .28 TO .35
- > .23 TO .28
- > .16 TO .23
- 0 TO .16



TWO GRID - MERIDIAN GROUP  
 TEXADA ISLAND PROJECT - B.C.  
 1988 SOIL SURVEY

Calcium (%)

DATE: AUG/88	PROJECT#: 579X
NTS: 92F/9	SCALE 1: 5000

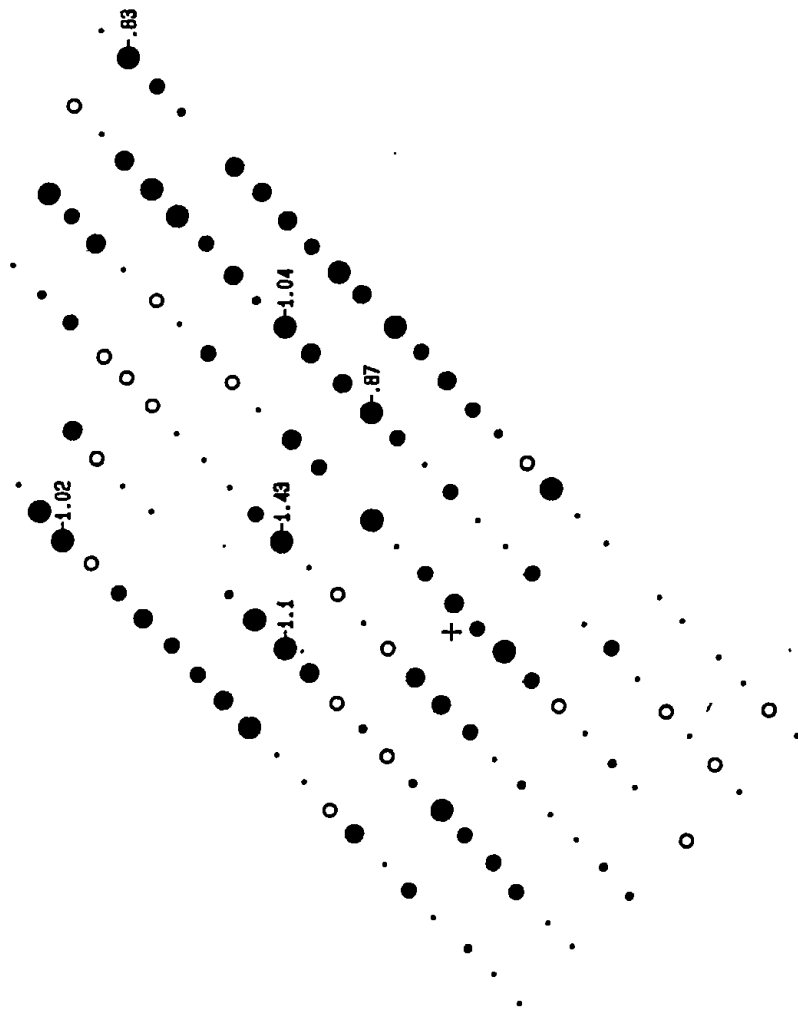
FIG A17

398500

399000

399500

5507000



- > .7
- > .55 TO .7
- > .45 TO .55
- > .35 TO .45
- > .3 TO .35
- > .2 TO .3
- 0 TO .2



TWO GRID - MERIDIAN GROUP  
 TEXADA ISLAND PROJECT - B.C.

1988 SOIL SURVEY

Magnesium (%)

DATE: AUG/88	PROJECT#: 579X
NTS: 92F/9	SCALE 1: 5000

FIG A18

6500

399500

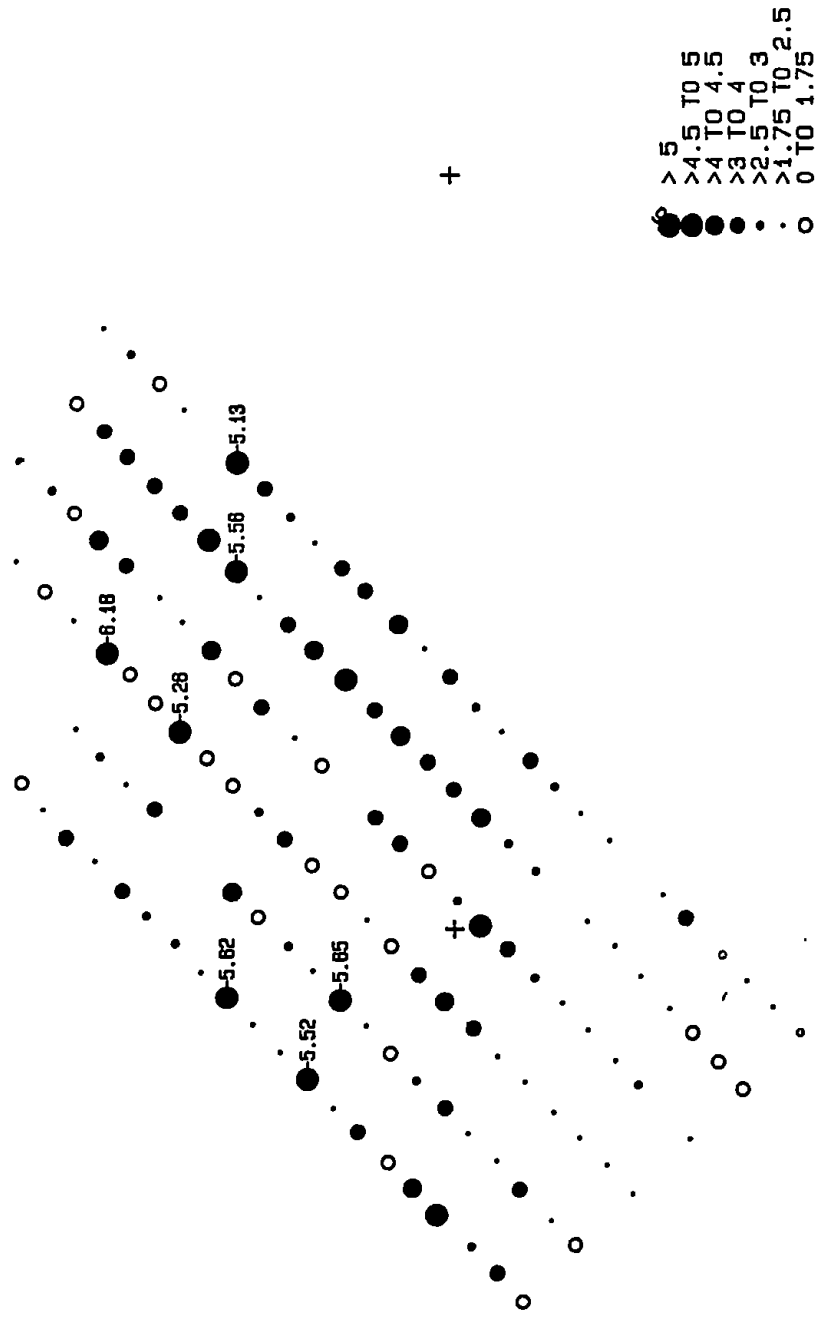
399000

398500

5507000

FIG A19

6500



- > 5
- > 4.5 TO 5
- > 4 TO 4.5
- > 3 TO 4
- > 2.5 TO 3
- > 1.75 TO 2.5
- 0 TO 1.75



TWO GRID -- MERIDIAN GROUP  
 TEXADA ISLAND PROJECT -- B.C.

1988 SOIL SURVEY

Aluminum (%)

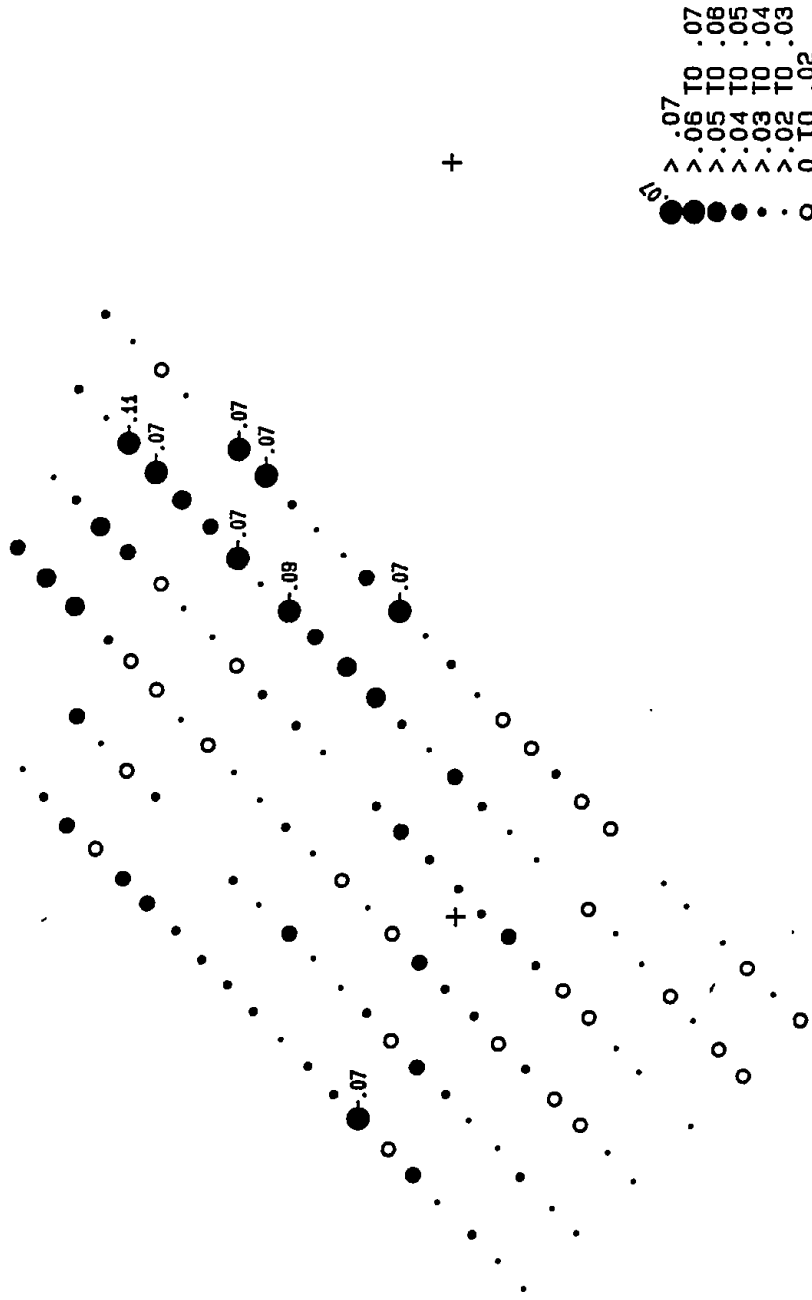
DATE: AUG/88	PROJECT#: 579X
NTS: 92F/9	SCALE 1: 5000

399500

399000

398500

5507000



TWO GRID - MERIDIAN GROUP  
 TEXADA ISLAND PROJECT - B.C.

1988 SOIL SURVEY  
 Potassium (%)

DATE: AUG/88	PROJECT#: 579X
NTS: 92F/9	SCALE 1: 5000

FIG A20

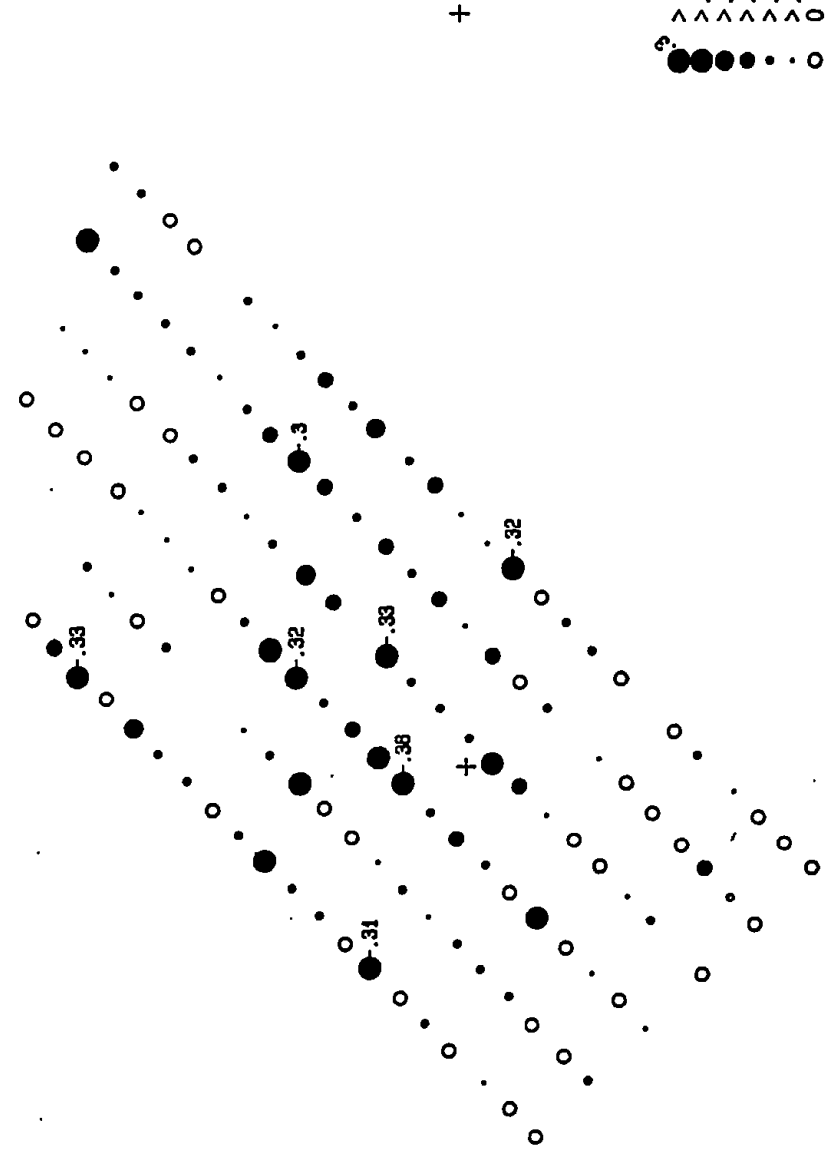
6500

399500

399000

398500

5507000



- > .3
- > .25 TO .3
- > .23 TO .25
- > .2 TO .23
- > .15 TO .2
- > .13 TO .15
- 0 TO .13



TWO GRID - MERIDIAN GROUP  
 TEXADA ISLAND PROJECT - B.C.

1988 SOIL SURVEY  
 Titanium (%)

DATE: AUG/88	PROJECT#: 579X
NTS: 92F/0	SCALE 1: 5000

FIG A 21

6500

399500

399000

398500

5507000

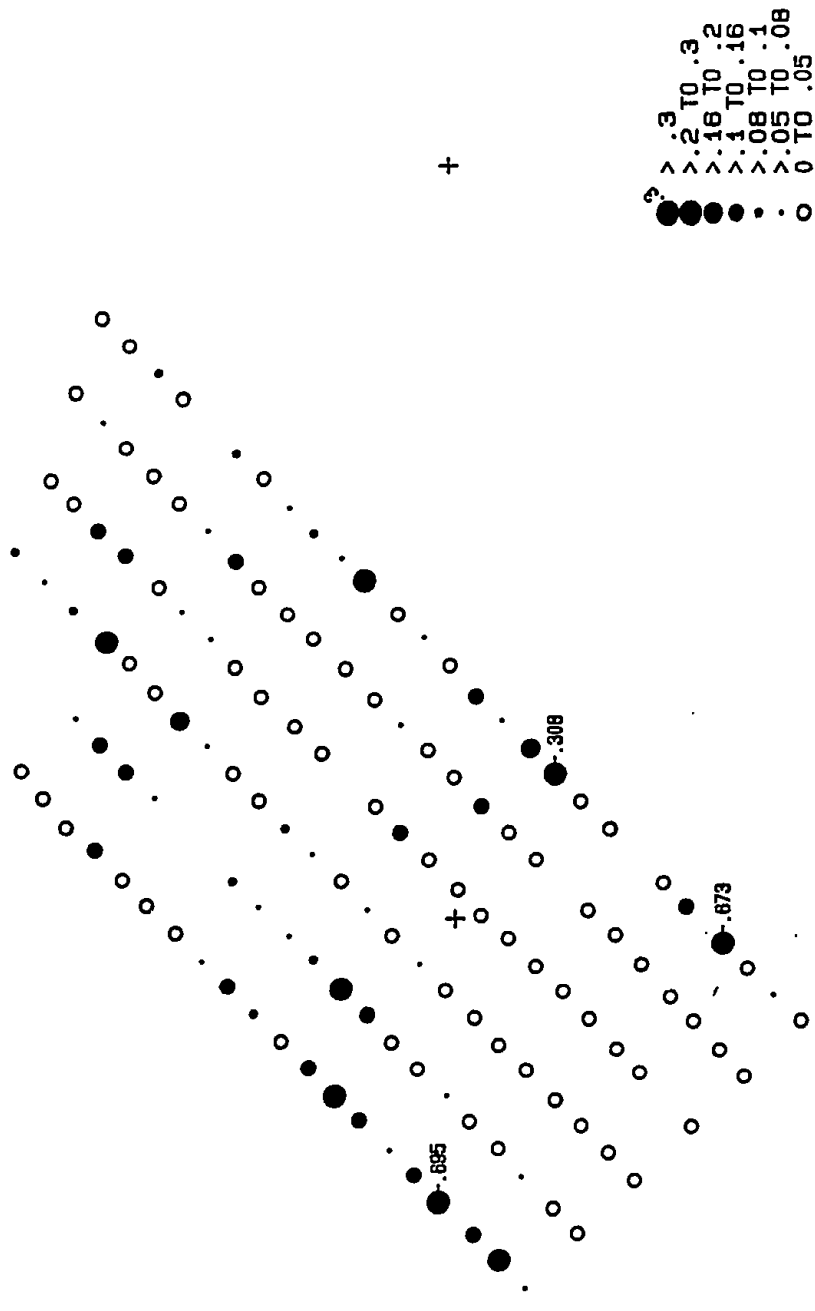


FIG A22

6500

TWO GRID - MERIDIAN GROUP  
 TEXADA ISLAND PROJECT - B.C.

1988 SOIL SURVEY

Phosphorus (%)

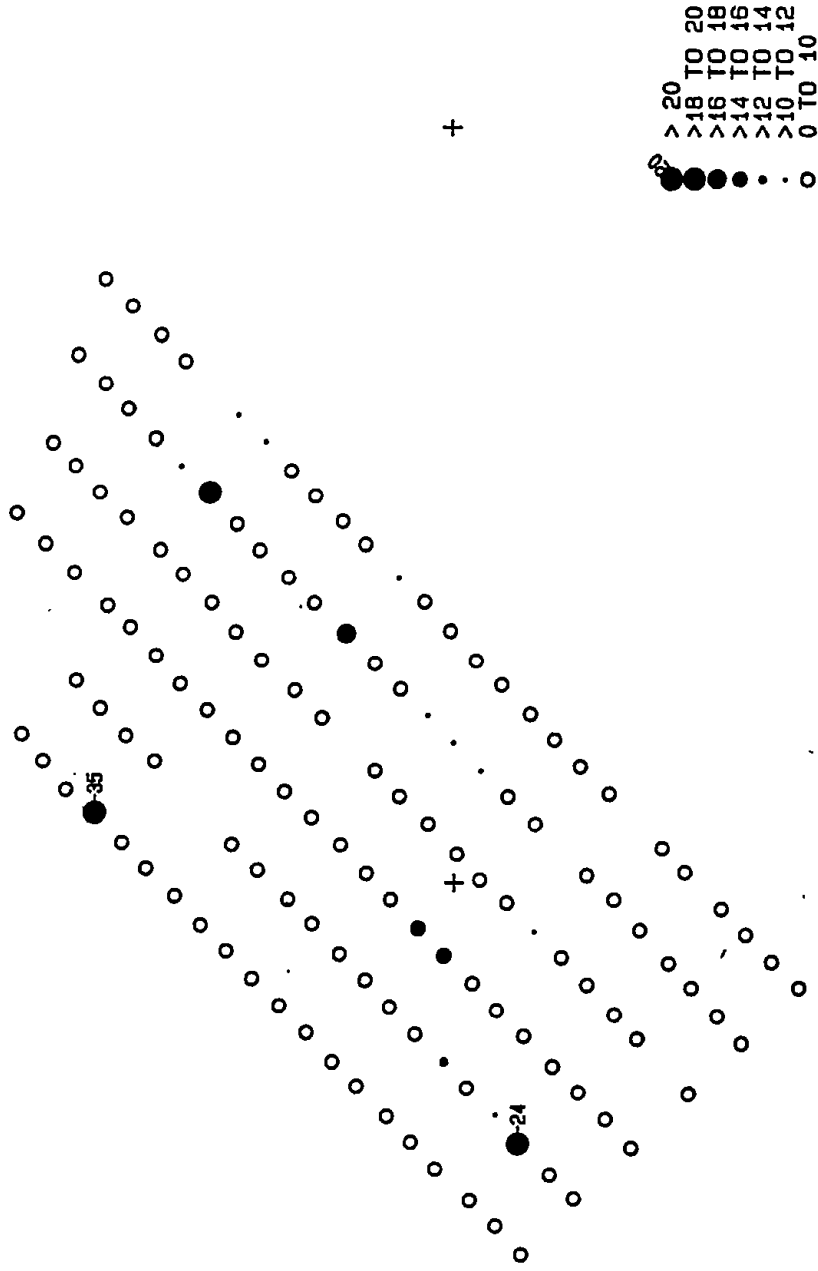
DATE: AUG/88	PROJECT#: 579X
NTS: 92F/9	SCALE 1: 5000

398500

399000

399500

5507000



TWO GRID -- MERIDIAN GROUP  
 TEXADA ISLAND PROJECT - B.C.

1986 SOIL SURVEY

Lanthanum (ppm)

DATE: AUG/88	PROJECT#: 579X
NTS: 92F/8	SCALE 1: 5000

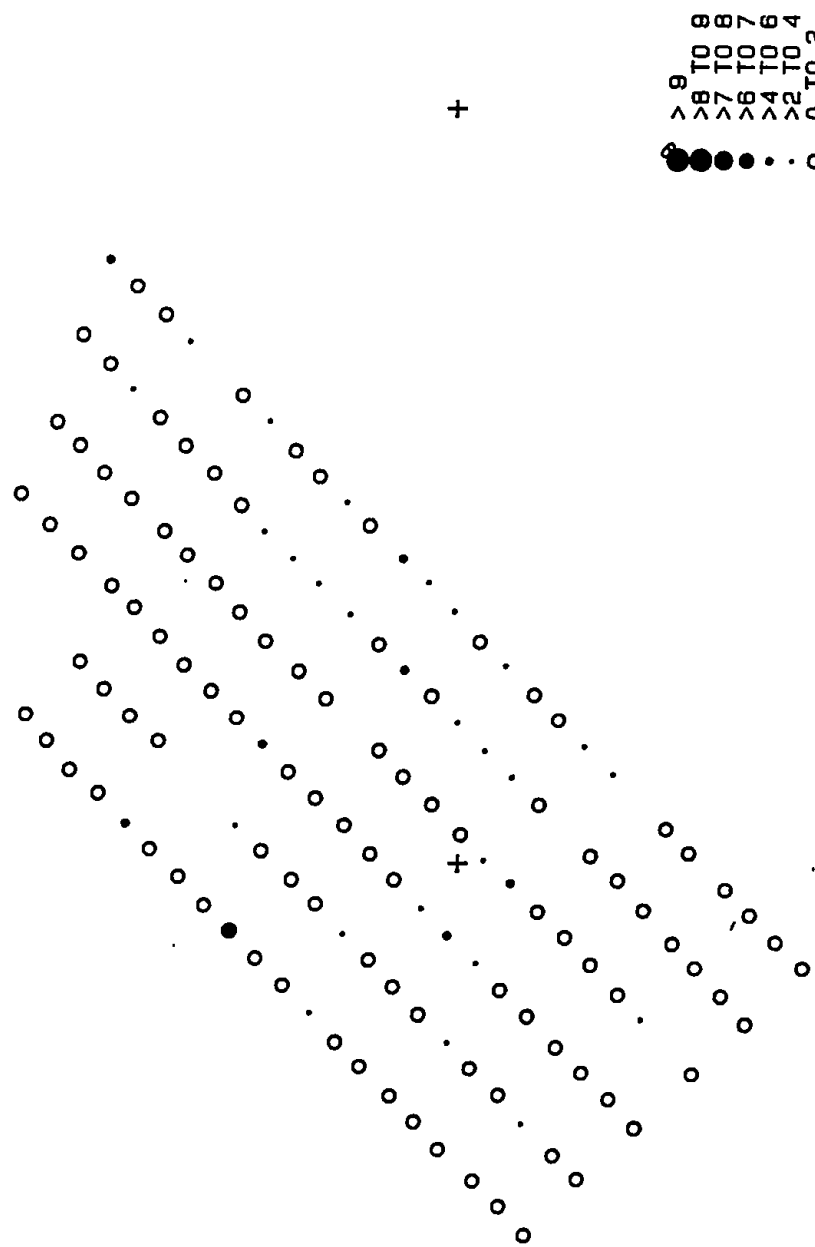
FIG A 23

6500

399500

399000

398500



- > 9
- > 8 TO 9
- > 7 TO 8
- > 6 TO 7
- > 4 TO 6
- > 2 TO 4
- 0 TO 2



TWO GRID - MERIDIAN GROUP  
 TEXADA ISLAND PROJECT - B.C.

1988 SOIL SURVEY

Molybdenum (ppm)

DATE: AUG/88	PROJECT#: 579X
NTS: 92F/9	SCALE 1: 5000

5507000

FIG A 24

6500

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCl-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR Ni Fe Ca P LA CR NG BA TI B W AND LIMITED FOR Mn K AND AL. AN DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: SOIL NPS ANALYSIS BY ACID LEACH/AN FROM 10 GR SAMPLE.

DATE RECEIVED: JUN 20 1988 DATE REPORT MAILED: June 27/88 ASSAYER: C. Leary D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

BP RESOURCES PROJECT-TWO MILE 88 File # 88-2099 Page 1

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Bi	Co	Ni	Fe	Mn	U	As	V	Ca	P	La	Cr	Mg	Ba	Tl	B	Al	Mn	K	W	Nb					
	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					
TWO 1	2	45	2	32	.2	7	7	382	2.42	2	5	ND	3	16	1	2	2	59	.24	.024	9	13	.29	47	.11	5	1.57	.01	.03	1	5
TWO 2	2	112	3	56	.2	11	12	607	3.85	4	5	ND	2	24	1	2	2	96	.33	.030	5	22	.67	56	.21	6	2.04	.02	.04	1	13
TWO 3	1	107	10	65	.2	9	14	619	6.19	3	5	ND	4	30	1	2	2	135	.21	.046	4	16	1.02	117	.33	3	3.58	.02	.05	1	1
TWO 4	2	224	13	49	.6	4	3	234	.82	4	5	ND	1	89	1	2	2	16	2.32	.113	35	9	.20	83	.02	6	1.95	.01	.02	1	1
TWO 5	5	48	5	36	.1	9	8	236	4.22	2	5	ND	3	15	1	2	2	102	.22	.030	6	19	.45	74	.24	2	3.31	.02	.05	1	1
TWO 6	2	35	16	55	.2	9	8	633	3.39	3	5	ND	3	19	1	3	2	78	.32	.050	5	15	.47	90	.18	3	2.51	.01	.05	1	1
TWO 7	2	106	3	34	.3	15	9	394	3.29	3	5	ND	4	13	1	2	2	78	.17	.049	4	18	.41	64	.19	9	2.58	.01	.04	1	3
TWO 8	1	75	12	81	.3	16	12	527	2.67	2	5	ND	2	24	1	2	2	68	.25	.069	4	38	.42	101	.12	2	2.19	.02	.04	1	5
TWO 9	7	407	9	74	.4	29	33	530	4.38	3	5	ND	6	28	1	2	2	108	.21	.116	7	29	.47	91	.18	4	5.62	.02	.04	1	4
TWO 10	1	46	3	83	.2	8	11	557	4.25	3	5	ND	5	13	1	2	2	95	.16	.085	5	12	.66	90	.26	2	2.50	.01	.04	1	1
TWO 11	2	94	8	38	.1	11	7	321	2.61	2	5	ND	1	11	1	2	2	68	.19	.035	5	17	.29	36	.16	4	1.78	.01	.03	1	1
TWO 12	3	133	10	52	.1	11	7	234	4.74	5	5	ND	3	9	1	6	2	120	.13	.136	4	28	.23	44	.17	3	5.52	.01	.04	3	4
TWO 13	1	18	19	55	.2	5	9	1861	3.21	6	5	ND	3	11	1	2	2	73	.14	.272	5	12	.18	100	.11	4	1.79	.01	.04	1	1
TWO 14	1	29	8	54	.1	7	6	337	4.60	3	5	ND	4	13	1	2	2	102	.20	.118	5	12	.50	86	.31	4	3.35	.01	.07	1	21
TWO 15	1	7	5	50	.1	4	6	382	3.65	2	5	ND	1	7	1	2	2	97	.14	.059	2	27	.22	37	.10	3	1.12	.01	.02	1	14
TWO 16	2	78	2	47	.1	10	5	204	3.64	4	5	ND	3	14	1	3	2	82	.16	.102	8	27	.39	34	.17	10	4.42	.01	.05	2	3
TWO 17	1	22	11	86	.1	8	8	818	3.62	9	5	ND	2	16	1	2	2	72	.19	.695	4	18	.29	85	.08	2	4.55	.02	.03	2	1
TWO 18	1	54	13	74	.1	10	7	456	3.50	5	5	ND	3	11	1	2	3	72	.15	.145	4	19	.34	51	.14	2	2.84	.01	.04	1	1
TWO 19	1	30	9	57	.2	10	8	773	3.07	4	5	ND	3	13	1	2	2	63	.15	.207	5	16	.24	59	.08	7	3.58	.01	.03	1	1
TWO 20	1	58	2	92	.2	11	8	518	2.70	3	5	ND	2	15	1	2	2	60	.20	.075	5	19	.25	55	.12	3	1.50	.01	.03	1	1
AS TWO 16	1	78	6	48	.1	10	5	201	3.66	2	5	ND	4	14	1	2	2	82	.16	.101	8	28	.39	35	.17	8	4.42	.01	.05	1	4
TWO 21	1	54	2	51	.1	6	6	503	3.44	2	5	ND	4	11	1	2	2	84	.17	.056	3	13	.52	63	.18	3	2.17	.01	.05	1	2
TWO 22	1	136	9	36	.1	17	9	442	5.08	4	5	ND	2	14	1	3	2	149	.21	.140	2	69	.18	29	.14	3	2.77	.01	.03	1	10
TWO 23	1	108	2	44	.2	8	5	621	2.38	3	5	ND	1	14	1	2	2	61	.25	.101	3	19	.25	49	.11	7	1.86	.02	.02	1	220
TWO 24	2	104	17	67	.3	8	8	752	3.36	3	5	ND	3	18	1	3	2	66	.33	.070	6	13	.27	80	.17	10	3.75	.02	.04	1	57
TWO 27	3	174	5	49	.2	17	14	468	3.54	5	5	ND	3	15	1	2	2	92	.29	.081	5	28	.33	77	.14	8	4.27	.03	.04	3	4
STD C	18	60	42	131	6.7	70	30	1116	4.13	42	14	8	39	46	18	18	18	59	.50	.088	40	54	.96	180	.07	37	2.01	.06	.13	14	-
TWO 28	1	94	15	60	.1	24	14	921	4.23	4	5	ND	2	11	1	2	2	127	.25	.074	3	68	.56	70	.16	3	1.72	.01	.03	1	3
TWO 29	1	59	2	156	.2	14	15	740	4.48	2	5	ND	2	34	1	2	2	107	.51	.056	3	13	1.10	100	.28	2	2.71	.05	.05	1	3
TWO 30	1	105	13	64	.1	17	8	548	4.10	3	5	ND	2	21	1	2	2	143	.22	.090	4	41	.51	79	.13	4	2.36	.01	.03	1	85
TWO 31	3	140	7	31	.2	6	3	94	5.32	2	5	ND	4	5	1	2	2	139	.11	.259	7	27	.15	24	.12	2	5.65	.01	.03	1	6
TWO 32	1	41	7	44	.3	8	5	311	3.92	4	5	ND	3	13	1	2	2	117	.19	.111	4	23	.32	47	.14	2	2.05	.01	.04	2	1
TWO 33	1	12	2	29	.1	10	3	223	1.95	2	5	ND	1	14	1	2	2	71	.24	.027	2	53	.18	25	.18	4	1.11	.01	.02	1	1
TWO 34	1	68	2	46	.1	16	7	165	3.02	3	5	ND	4	16	1	3	2	65	.21	.032	6	19	.34	48	.14	6	2.95	.01	.05	2	2
TWO 35	4	109	8	68	.1	18	15	1176	5.66	5	5	ND	7	28	1	2	2	111	.43	.066	14	27	.56	67	.18	2	3.97	.02	.04	1	1
TWO 36	2	55	7	53	.1	13	7	254	2.71	2	5	ND	2	16	1	2	2	59	.28	.019	8	16	.36	44	.17	2	2.06	.01	.03	1	1
TWO 37	2	52	7	60	.1	13	12	1806	2.88	3	5	ND	2	17	1	2	4	64	.25	.034	11	16	.36	56	.17	2	1.91	.01	.03	1	3
TWO 38	3	91	11	43	.1	18	14	825	3.59	5	5	ND	2	28	1	3	2	71	.52	.052	24	23	.40	77	.12	2	3.99	.02	.04	2	1
STD C/AU-S	17	58	40	131	7.1	67	28	1051	4.05	39	17	7	37	45	16	16	16	56	.48	.085	38	53	.91	174	.07	31	1.92	.06	.13	11	50

FIG B1

SAMPLE#	NO PPM	CU PPM	PB PPM	IN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE PPM	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA PPM	P PPM	LA PPM	CR PPM	MG PPM	BA PPM	YI PPM	B PPM	AL PPM	MR PPM	K PPM	W PPM	AU <sup>P</sup> PPM
TWO 39	1	113	5	25	.1	11	5	193	2.36	2	5	ND	2	15	1	2	2	56	.16	.017	6	16	.28	41	.08	8	1.92	.01	.03	1	1
TWO 40	1	163	12	62	.2	9	9	220	2.75	2	5	ND	2	8	1	2	2	65	.15	.018	2	13	.30	51	.18	4	1.64	.01	.03	1	1
TWO 41	1	10	4	13	.3	8	3	86	3.54	2	5	ND	2	4	1	2	2	133	.17	.009	3	38	.07	17	.15	8	.39	.01	.02	1	192
TWO 42	1	21	7	20	.1	7	3	116	2.44	2	5	ND	1	7	1	2	4	87	.23	.025	3	27	.14	19	.15	6	1.00	.01	.02	1	29
TWO 43	2	76	14	42	.1	12	5	112	4.34	3	5	ND	1	17	1	2	2	119	.14	.173	3	54	.24	32	.15	2	5.26	.01	.03	3	1
TWO 44	1	47	7	37	.1	7	4	295	1.50	2	5	ND	1	14	1	2	2	33	.26	.080	2	13	.22	61	.10	2	1.46	.02	.02	1	106
TWO 45	2	25	9	33	.2	7	4	131	2.86	2	5	ND	2	10	1	2	2	86	.20	.024	3	24	.25	28	.20	5	1.59	.01	.03	1	13
TWO 46	6	181	13	39	.1	20	13	206	4.52	2	5	ND	1	14	1	2	2	112	.23	.033	4	33	.43	61	.26	2	2.99	.01	.03	1	4
TWO 47	2	171	14	80	.2	26	17	475	6.52	2	5	ND	2	32	1	2	2	153	.22	.083	2	55	1.43	81	.32	3	3.90	.01	.04	1	10
TWO 48	1	31	9	40	.1	7	4	145	3.03	2	5	ND	2	20	1	2	2	70	.17	.067	5	20	.28	62	.16	6	1.60	.01	.03	1	4
TWO 49	1	27	5	23	.1	5	3	127	1.97	2	5	ND	1	8	1	2	3	76	.19	.023	3	23	.12	18	.21	2	.92	.01	.01	1	7
TWO 50	1	170	13	60	.3	16	8	364	4.10	2	5	ND	2	10	1	3	2	133	.27	.052	4	39	.30	42	.27	6	2.01	.01	.03	1	19
RE TWO 56	1	175	9	99	.2	20	11	453	3.74	2	5	ND	3	17	1	2	2	98	.31	.029	5	38	.35	93	.27	6	2.26	.02	.04	1	1
TWO 51	1	23	9	41	.1	11	6	251	3.90	2	5	ND	1	9	1	2	2	128	.34	.022	4	72	.10	20	.36	2	1.14	.01	.01	1	1
TWO 52	4	129	11	88	.3	13	14	506	4.74	2	5	ND	3	23	2	2	2	101	.45	.072	15	28	.48	49	.20	7	3.80	.02	.05	1	1
TWO 53	5	229	17	71	.1	22	13	381	4.52	2	5	ND	3	15	1	2	2	101	.23	.025	15	31	.48	48	.22	7	4.46	.02	.04	1	1
TWO 54	4	85	10	62	.2	15	11	180	4.19	4	5	ND	4	15	1	2	2	93	.19	.041	5	29	.39	47	.20	2	3.67	.01	.04	1	1
TWO 55	1	18	4	41	.1	10	5	188	2.31	2	5	ND	1	14	1	2	2	51	.18	.011	5	19	.26	47	.11	4	1.83	.01	.02	1	1
TWO 56	1	171	11	95	.3	17	11	427	3.54	2	5	ND	2	16	1	2	2	94	.31	.025	5	39	.33	88	.27	6	2.12	.01	.04	1	1
TWO 57	1	50	10	37	.1	12	7	284	2.84	3	5	ND	1	13	1	2	2	65	.18	.022	5	16	.24	64	.13	2	2.20	.01	.02	1	1
TWO 58	1	32	8	37	.1	11	8	191	3.26	2	5	ND	2	13	1	2	2	75	.19	.020	5	24	.27	51	.15	2	1.88	.01	.02	1	1
TWO 59	1	69	2	34	.1	11	6	170	3.16	2	5	ND	3	14	1	2	2	71	.17	.020	8	22	.31	32	.13	5	2.11	.01	.03	1	1
TWO 60	1	96	11	63	.2	12	8	384	3.68	2	5	ND	2	15	1	2	2	85	.22	.036	5	21	.31	53	.15	6	2.13	.01	.03	1	7
TWO 61	1	40	3	56	.3	10	7	283	3.34	2	5	ND	3	12	1	2	2	75	.20	.027	5	26	.20	41	.13	11	1.99	.01	.03	1	6
TWO 63	4	78	13	45	.2	16	8	132	4.25	2	5	ND	3	15	1	2	2	93	.18	.021	5	18	.28	66	.18	2	2.96	.01	.03	2	1
TWO 64	1	34	8	46	.1	12	6	196	3.03	2	5	ND	3	15	2	2	2	68	.20	.015	6	24	.33	68	.14	8	2.47	.01	.03	1	1
TWO 65	1	20	7	39	.1	11	5	182	2.59	2	5	ND	1	16	1	2	2	57	.21	.012	6	19	.30	53	.11	2	2.17	.01	.02	1	1
TWO 66	1	30	12	41	.1	9	5	152	2.49	2	5	ND	1	16	1	2	2	56	.25	.006	8	15	.20	39	.12	2	1.77	.01	.02	2	1
TWO 67	2	95	10	100	.2	20	14	733	3.16	3	5	ND	3	20	2	2	2	66	.33	.024	11	29	.41	69	.14	9	3.00	.01	.04	1	1
TWO 68	5	269	11	79	.2	26	21	284	4.46	3	5	ND	4	22	1	2	2	99	.27	.029	9	35	.60	70	.23	4	3.88	.02	.05	1	1
TWO 69	4	101	19	50	.2	12	8	209	4.99	3	5	ND	2	20	1	2	2	110	.28	.040	9	26	.45	41	.26	2	4.79	.02	.04	2	1
STD C	18	60	38	137	7.0	70	30	1097	4.28	41	20	5	39	48	19	18	21	59	.50	.093	40	56	.91	172	.07	36	2.08	.06	.14	13	-
TWO 70	2	75	11	62	.1	12	12	621	3.37	2	5	ND	1	20	1	2	3	76	.33	.034	9	25	.54	47	.19	2	2.83	.02	.04	1	1
TWO 71	1	17	6	32	.2	3	4	226	2.69	2	5	ND	8	15	1	2	2	61	.19	.015	7	15	.40	48	.16	4	1.05	.01	.04	1	10
TWO 72	2	121	20	86	.3	20	23	2445	4.43	2	5	ND	2	21	2	2	2	89	.46	.102	10	35	.30	63	.16	5	3.66	.01	.05	1	1
TWO 73	1	286	8	88	.3	25	22	405	4.86	2	5	ND	2	17	1	2	2	110	.37	.047	7	48	.58	37	.33	6	3.29	.02	.04	1	1
TWO 75	1	87	5	59	.1	8	7	236	2.93	2	5	ND	1	13	1	2	2	80	.29	.038	5	27	.38	32	.22	3	1.58	.02	.03	1	8
TWO 76	2	138	5	43	.2	14	10	228	3.72	2	5	ND	1	17	1	2	2	94	.32	.023	6	32	.50	37	.24	2	2.40	.02	.04	1	6
STD C/AU-S	17	57	37	132	6.5	68	28	1057	4.16	40	16	7	36	47	16	17	18	57	.49	.086	39	53	.95	176	.07	34	2.02	.06	.14	11	51

SAMPLE#	NO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE PPM	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SD PPM	BI PPM	V PPM	CR PPM	LA PPM	CT PPM	HG PPM	BA PPM	TI PPM	B PPM	AL PPM	WA PPM	K PPM	W PPM	MO PPM	
TPO 77	1	42	16	46	.4	11	8	238	4.15	2	5	ND	3	18	1	3	2	93	.26	.047	7	31	.30	63	.20	4	3.50	.02	.04	1	3
TPO 78	1	5	7	13	.1	4	2	94	1.74	2	5	ND	1	1	1	2	2	65	.18	.005	2	25	.11	16	.15	7	.39	.01	.01	1	6
TPO 79	2	233	11	46	.1	19	7	189	3.79	4	5	ND	2	13	1	3	2	80	.17	.076	5	35	.41	43	.19	2	4.27	.01	.03	2	32
TPO 80	1	40	10	45	.2	11	4	342	2.46	2	5	ND	1	10	1	2	3	63	.27	.060	3	28	.27	35	.17	2	2.05	.02	.03	1	24
TPO 81	1	27	11	32	.1	10	4	166	2.68	2	5	ND	1	12	1	2	4	66	.16	.019	6	22	.22	40	.11	2	1.69	.01	.02	1	1
TPO 82	1	66	10	47	.1	5	4	419	2.33	2	5	ND	1	12	1	2	4	63	.26	.016	5	16	.15	45	.17	2	1.14	.01	.02	1	20
TPO 83	1	86	15	88	.1	10	5	219	2.91	2	5	ND	2	9	1	4	2	76	.22	.043	5	23	.23	43	.22	2	1.71	.01	.03	1	1
TPO 84	1	27	10	65	.1	8	5	317	2.30	2	5	ND	2	11	1	3	2	52	.15	.023	5	17	.18	45	.10	2	1.78	.01	.02	1	1
TPO 85	1	68	10	91	.2	12	6	154	2.29	3	6	ND	3	13	2	2	2	51	.18	.010	7	18	.26	56	.11	9	1.96	.01	.03	1	1
TPO 86	1	85	5	117	.1	19	7	262	2.37	4	5	ND	1	19	1	2	3	51	.19	.023	5	25	.39	42	.10	3	1.89	.01	.03	1	1
TPO 87	1	59	11	131	.1	11	8	575	2.74	2	5	ND	1	12	1	2	2	62	.20	.043	5	23	.23	58	.14	2	2.24	.01	.02	1	1
TPO 89	2	119	9	89	.1	16	12	384	3.29	3	5	ND	2	16	1	3	2	80	.21	.041	5	26	.41	60	.18	2	2.60	.02	.03	1	1
TPO 90	4	60	11	26	.1	11	6	294	2.87	2	5	ND	1	11	1	4	3	66	.15	.024	5	21	.23	41	.13	3	2.60	.01	.03	2	1
TPO 91	4	122	12	156	.4	24	22	191	5.33	2	5	ND	4	12	2	3	2	121	.112	.112	11	66	.24	60	.23	3	4.45	.02	.04	1	3
TPO 92	3	142	11	34	.3	15	15	436	3.21	4	5	ND	3	22	2	2	3	74	.30	.030	11	26	.40	71	.15	7	3.12	.01	.05	1	1
TPO 93	2	88	9	52	.2	15	10	266	4.10	2	5	ND	3	14	1	3	2	93	.26	.038	11	34	.21	26	.22	2	3.87	.02	.03	2	5
TPO 94	5	234	18	68	.3	20	23	431	3.85	2	5	ND	4	13	2	3	2	73	.19	.051	9	29	.38	59	.20	3	4.34	.02	.04	1	1
TPO 95	2	267	10	47	.3	17	12	331	3.84	3	5	ND	2	45	1	3	2	87	.37	.029	7	28	.87	58	.23	2	3.45	.03	.06	1	2
TPO 96	4	204	14	50	.3	21	15	764	3.53	5	5	ND	5	20	2	4	2	72	.32	.034	17	30	.54	90	.17	2	4.51	.02	.06	1	6
TPO 97	3	189	9	46	.3	21	13	277	4.52	4	5	ND	3	19	1	5	2	95	.23	.030	10	36	.50	98	.23	2	4.29	.02	.05	2	1
TPO 98	3	151	10	78	.3	18	16	512	4.36	7	5	ND	4	20	1	3	2	107	.31	.035	7	30	1.04	54	.30	2	3.40	.02	.09	1	1
TPO 99	3	51	13	46	.2	11	9	353	3.46	2	5	ND	2	16	1	2	2	86	.32	.025	6	28	.35	43	.22	4	2.21	.02	.03	1	3
TPO 100	2	383	13	115	.4	28	17	492	4.29	9	5	ND	3	33	1	4	2	79	.34	.147	8	39	.54	62	.18	2	5.56	.02	.07	1	145
RE TPO 96	4	206	13	51	.3	23	15	782	3.67	3	5	ND	4	20	2	4	2	75	.32	.035	17	34	.55	92	.17	2	4.58	.02	.06	1	13
TPO 101	1	82	10	43	.2	15	6	210	3.35	2	5	ND	3	12	3	3	2	71	.15	.048	6	25	.29	43	.13	10	2.85	.01	.02	1	3
TPO 102	1	38	14	62	.1	10	5	226	3.21	4	5	ND	3	11	1	2	2	70	.15	.069	5	21	.18	45	.11	2	2.02	.01	.03	1	15
TPO 103	2	109	10	48	.2	14	7	203	2.40	2	5	ND	3	11	2	2	2	51	.16	.019	6	17	.21	48	.11	10	1.81	.01	.02	1	1
TPO 104	1	23	16	57	.2	12	5	194	4.63	5	5	ND	3	8	1	2	2	96	.14	.673	4	54	.30	30	.14	2	2.51	.01	.03	1	1
STD C	17	58	36	134	6.5	69	29	1077	4.07	43	18	8	38	47	19	16	19	57	.47	.093	39	57	.93	167	.06	33	1.95	.06	.13	13	-
TPO 105	1	77	9	81	.1	16	7	627	3.85	3	5	ND	3	11	2	3	4	96	.20	.108	4	39	.24	65	.16	2	3.10	.01	.03	1	1
TPO 106	1	20	5	37	.1	10	4	134	2.06	2	5	ND	3	12	1	2	2	47	.19	.020	6	19	.26	39	.12	4	1.78	.01	.03	1	1
TPO 108	3	144	10	38	.1	14	6	289	2.46	4	5	ND	2	11	1	2	2	62	.15	.021	4	16	.25	42	.13	2	1.92	.01	.02	1	1
TPO 109	4	40	9	49	.1	15	8	208	3.78	2	5	ND	2	11	1	2	2	90	.18	.026	4	30	.29	60	.19	2	2.47	.01	.02	1	1
TPO 110	1	48	12	172	.1	15	12	1754	4.36	4	5	ND	2	23	1	2	2	92	.22	.308	5	50	.58	144	.20	2	2.60	.01	.04	1	1
TPO 111	1	112	14	61	.1	11	21	1717	2.92	4	5	ND	1	12	1	3	2	76	.18	.198	5	33	.12	77	.10	2	3.59	.01	.02	1	4
TPO 112	4	88	8	37	.1	15	6	148	3.48	2	5	ND	2	13	1	2	2	114	.25	.055	3	34	.32	27	.32	2	1.97	.01	.02	1	2
TPO 113	2	123	7	70	.1	17	11	715	3.49	5	5	ND	2	17	1	4	2	77	.28	.108	4	27	.37	54	.14	2	2.72	.01	.03	1	1
TPO 114	4	273	4	42	.1	21	8	231	3.05	6	5	ND	2	17	1	4	2	68	.20	.022	5	23	.47	61	.15	2	3.06	.01	.04	1	1
STD C/AU-S	17	58	38	132	7.2	68	29	1062	4.09	43	19	8	38	47	18	17	19	57	.48	.092	39	57	.93	179	.07	31	1.95	.06	.14	12	52

FIG B3

BP RESOUR. PROJECT-TWO MI. 88 FILE # 88-

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Mi	Co	Mn	Fe	As	U	Au	Tl	Sr	Cd	Sn	Bi	V	Cr	P	La	Ct	Hg	Ba	Pb	Al	Na	K	W	Au*	
	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	
TWO 115	4	58	4	9	.1	10	7	189	3.90	2	5	ND	2	13	1	2	2	105	.25	.068	3	25	.40	42	.21	2	1.83	.01	.03	2	3
TWO 116	5	186	10	56	.3	20	13	444	3.68	4	5	ND	3	30	1	2	2	91	.36	.044	12	17	.67	83	.20	2	4.20	.01	.07	1	1
TWO 117	1	99	11	87	.1	17	13	548	4.95	5	5	ND	3	13	1	2	2	102	.22	.263	4	14	.54	56	.25	6	3.74	.02	.05	1	5
TWO 118	3	116	12	61	.1	17	11	357	3.97	3	5	ND	2	23	1	2	2	90	.27	.078	5	12	.56	53	.20	4	3.25	.02	.03	1	10
TWO 119	1	96	19	71	.1	16	9	575	2.93	3	5	ND	1	24	1	2	2	71	.42	.092	4	13	.38	57	.22	2	2.18	.02	.03	1	63
TWO 120	2	126	11	63	.1	15	9	392	3.08	3	5	ND	2	18	1	2	2	63	.27	.053	5	17	.53	49	.18	9	2.68	.01	.04	1	4
STD C/AU-S	18	57	40	132	6.6	68	28	1057	4.05	40	16	7	36	47	17	16	19	57	.48	.093	39	59	.95	178	.07	37	1.99	.06	.14	11	49

FIG B4

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH JNL 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 Na, Fe, Sr, Ca, P, La, Cr, Mg, Ba, Y, B AND LIMITED FOR Na, K AND AL. NO DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: SOIL - ACP ANALYSIS BY ACID LEACH/AA FROM 10 GR SAMPLE.

DATE RECEIVED: JUL 29 1988 DATE REPORT MAILED: Aug 4/88 ASSAYER: C. Leung D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

BP RESOURCES CANADA LTD. File # 88-3095

Table with columns: SAMPLE#, No PPM, Cu PPM, Pb PPM, Zn PPM, Ag PPM, Ni PPM, Co PPM, Mn PPM, Fe PPM, As PPM, U PPM, Au PPM, Th PPM, Sr PPM, Cd PPM, Sb PPM, Bi PPM, V PPM, Cr PPM, La PPM, Ce PPM, Pr PPM, Mg PPM, Ba PPM, Y PPM, B PPM, Al PPM, K PPM, Na PPM, Au\* PPM. Rows include TPO 121, TPO 122, TPO 123, TPO 124, TPO 125, TPO 126, TPO 127, TPO 128, TPO 129, TPO 130, TPO 131, TPO 132, TPO 133, TPO 134, TPO 135, TPO 136, TPO 137, STD C, TPO 139, TPO 140, TPO 141, TPO 142, STD C/AU-S.

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FIG B5

RECOMMENDATIONS

ANOMALOUS GOLD VALUES WERE ENCOUNTERED NEAR THE VOLCANIC-INTRUSIVE CONTACT ON THE NORTHERN END OF THE GRID. IN ORDER TO DETERMINE IF THE TREND EXTENDS TO THE NORTH AND EAST, THE GRID SHOULD BE EXTENDED AND FURTHER SOIL SAMPLING CONDUCTED.

TRENCHING SHOULD ALSO BE CONDUCTED TO EXAMINE AND SAMPLE THE UNDERLYING STRUCTURE IN ORDER TO LOCATE THE ROOT ZONES OF THE SURFACE ANOMALY.

APPENDIX I

STATEMENT OF COSTS- MERRIDIAN GROUP

WAGES - PROSPECTING

D. MURPHY	PROSPECTOR	4 @ 125/DAY = \$	500.00
R. DUKER	PROSPECTOR	4 @ 125/DAY =	500.00
J. NEWMAN	PROSPECTOR	4 @ 125/DAY =	500.00

TRANSPORTATION

4 TRIPS TO CLAIMS

70 KMS = 280 KMS @ .40/KM = 112.00

1 TRIP VICTORIA-VANANDA AND RETURN

540 KMS @ .40/KM = 216.00

FERRY 30.00

MEALS & ACCOMMODATION 250.00

SOIL SAMPLING 138 SOIL SAMPLES 1,688.00

REPORT PREPARATION 200.00

TOTAL \$ 3,996.00

APPENDIX II

STATEMENT OF QUALIFICATIONS

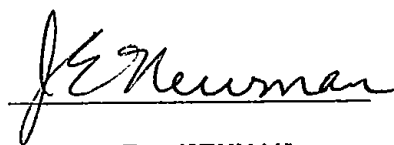
I CERTIFY THAT:

I HAVE COMPLETED COURSES IN BASIC AND ADVANCED PROSPECTING WHICH WERE SPONSORED BY THE MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES AND CAMOSUN COLLEGE IN VICTORIA, B.C. THE COURSES WERE SUCCESSFULLY COMPLETED IN 1984 AND 1987.

I HAVE BEEN A PROSPECTOR IN BRITISH COLUMBIA FOR SEVEN YEARS.

THE INFORMATION CONTAINED IN THIS REPORT IS BASED ON WORK DONE ON THE CLAIMS BY DAVID MURPHY, OWNER OF THE CLAIMS, WITH ASSISTANCE FROM MYSELF AND ROBERT DUKER.

ROBERT DUKER AND DAVID MURPHY ARE BOTH EXPERIENCED PROSPECTORS.



JAMES E. NEWMAN

OCTOBER 31, 1988

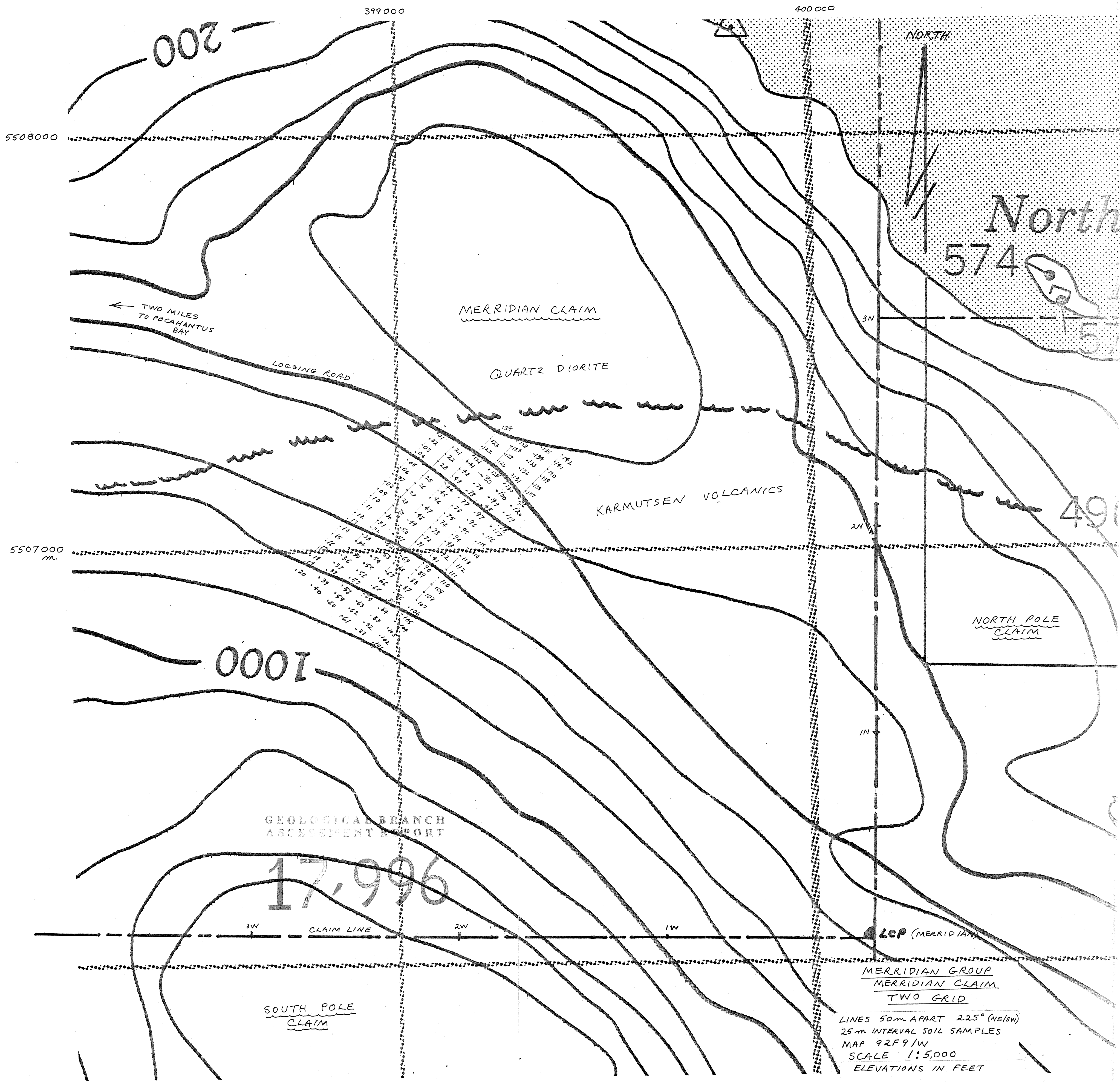


FIGURE 5  
50 0 50 100