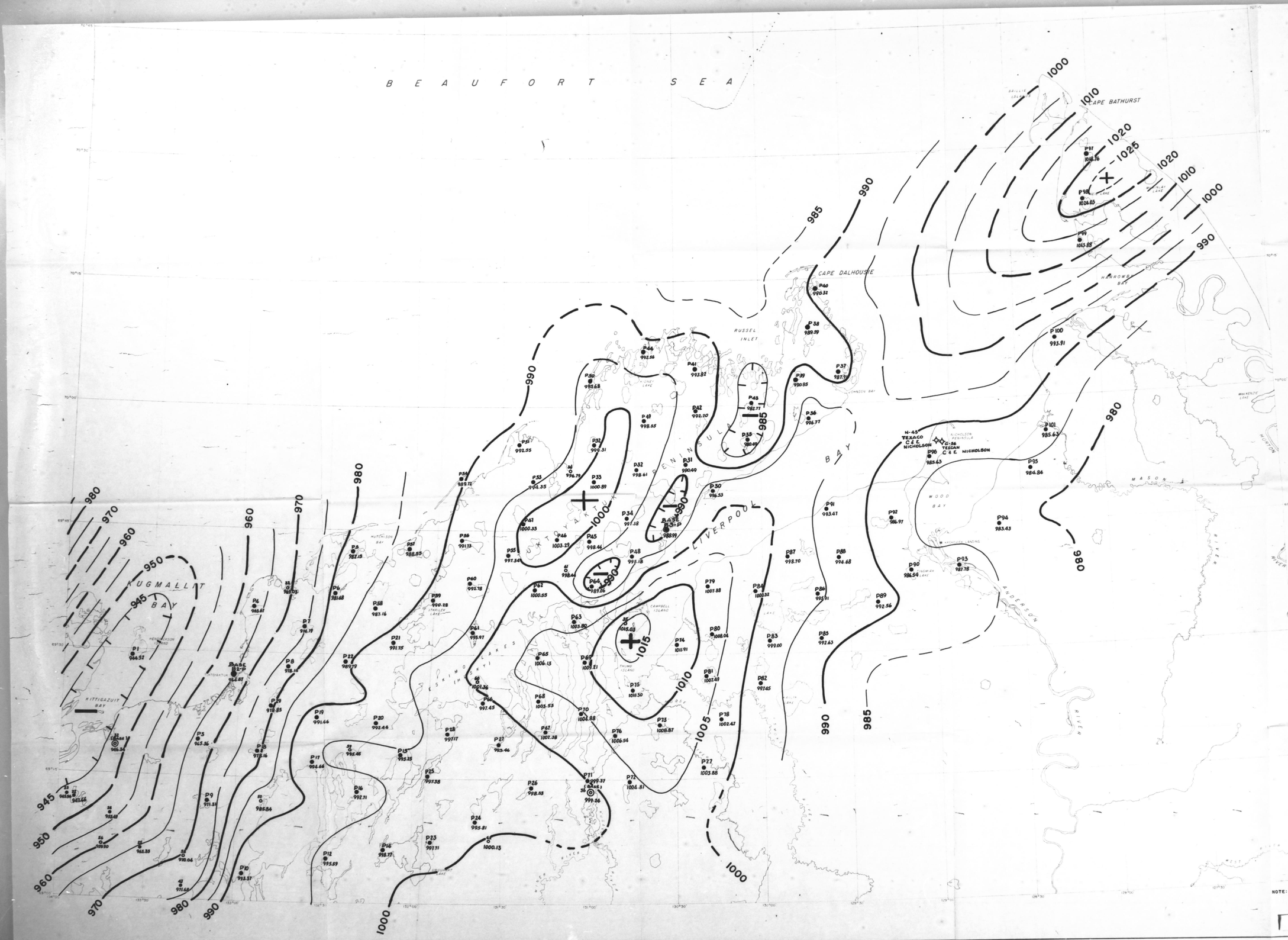
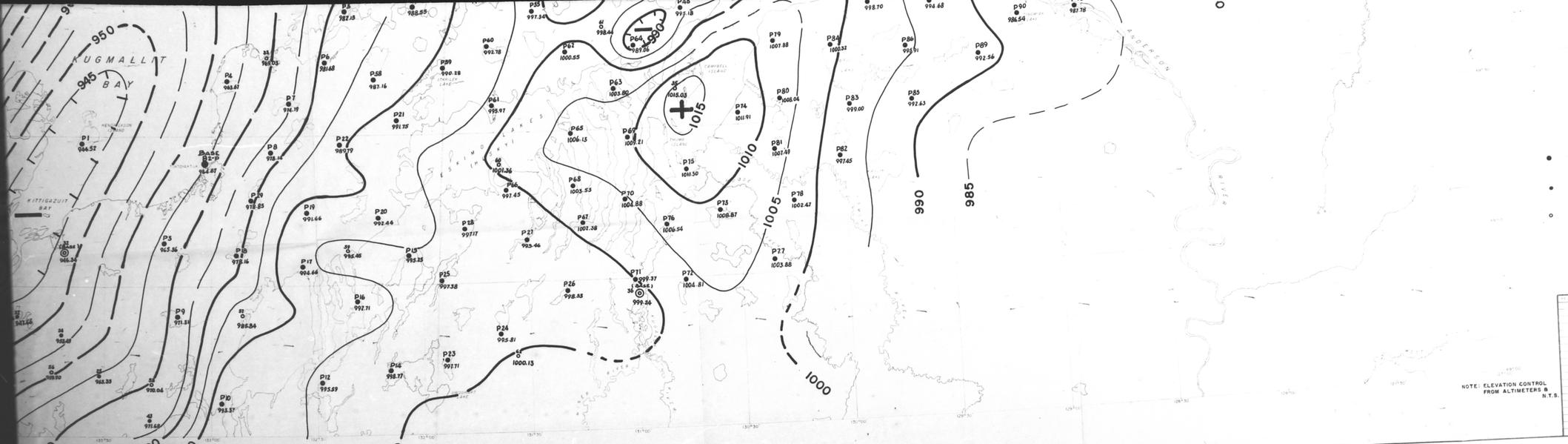
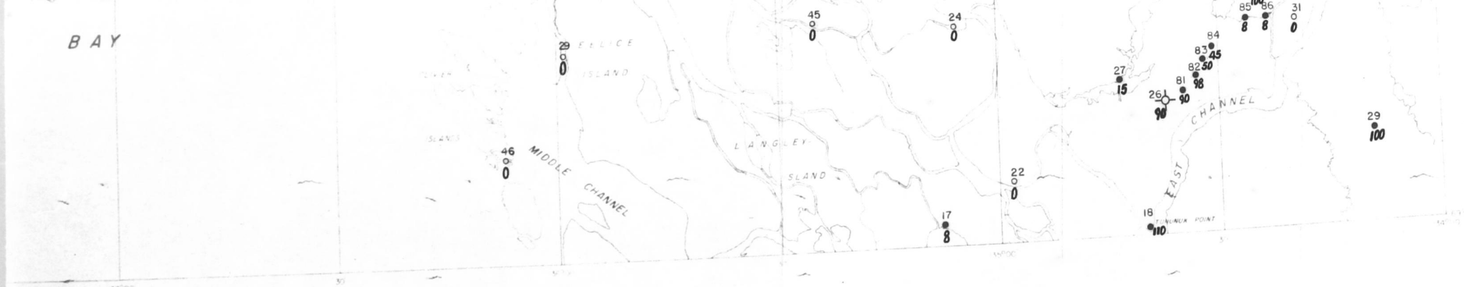

BEAUFORT SEA
CAPE BATHURST
CAPE DALHOUSIE
RUSSEL INLET
LIVERPOOL BAY
UGMALLAT BAY
KITTIGAZUIT BAY
HARROWBY BAY
WOOD BAY
ESKIMO LAKES
ANDERSON RIVER
MASON RIVER
BASE B2-P
N-45 TEXACO C&E NICHOLSON
C-56 TEXCAN C&E NICHOLSON
NICHOLSON PENINSULA
1000
1010
1020
1025
990
985
980
970
960
950
945
1015
1005
CHEVRON 1968 (FIXED WING)
CHEVRON 1968 (HELICOPTER)
CAL STAN 1965 (FIXED WING)
NOTE: ELEVATION CONTROL FROM ALTIMETERS & N.T.S.
1 OF 2
CHEVRON STANDARD LI
LIVERPOOL BAY A
BOUGUER ANOMALY
DATUM, SEA LEVEL
ELEV. CORR. FACTOR, .066 MG PER FT.
1965 DATA ADJ., −14.0 + (.004 X ELEV.)
C.I., 5.0 MG.
SCALE 1:250,000
DATE NOV. 4, 1968
DRAWN B. A. F.


KUGMALLIT BAY
KITTIGAZUIT BAY
ESKIMO LAKES
CAMPBELL ISLAND
ANDERSON RIVER
950
945
970
980
990
1000
1005
1010
1015
985
CHEVRON 1968 (FIXED WING)
CHEVRON 1968 (HELICOPTER)
CAL STAN 1965 (FIXED WING)
NOTE: ELEVATION CONTROL FROM ALTIMETERS & N.T.S.
CHEVRON STANDARD LIMITED
LIVERPOOL BAY AREA
BOUGUER ANOMALY MAP
DATUM, SEA LEVEL
ELEV. CORR. FACTOR, .066 MG PER FT.
1965 DATA ADJ. , -14.0 + (.004 X ELEV.)
C.I., 5.0 MG.
2 of 2
SCALE 1:50,000
DATE NOV. 4, 1966
DRAWN B. A. F.
F-11,280-2
23-0-4



● CHEVRON 1968
(FIXED WING)

• CHEVRON 1968
(HELICOPTER)

○ CAL STAN 1965
(FIXED WING)

(-DELTA ELEVATIONS ASSUMED TO BE AT SEA LEVEL)

THE CALIFORNIA STANDARD COMPANY

MACKENZIE BAY AREA

STATION LOCATION MAP

-WITH ALTIMETER AND NTS ELEVATIONS

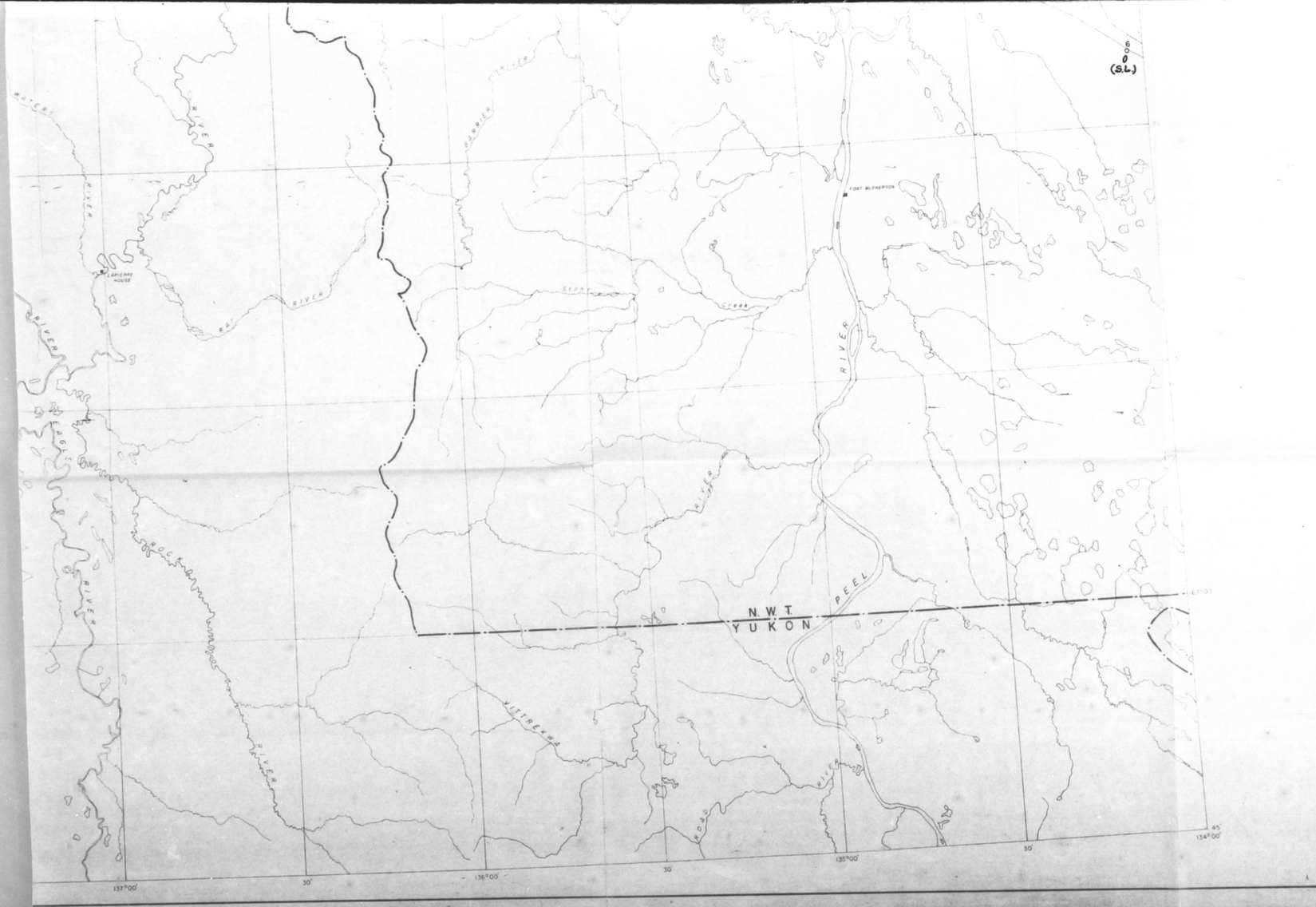
SCALE	DATE	DRAWN	
1:250,000	JUNE 10-1963	P.C.	F-9612-3

23-G-4


ACKENZIE
BAY
RICHARDS
ISLAND
ELLICE
ISLAND
LANGLEY
ISLAND
MIDDLE CHANNEL
EAST CHANNEL
KENDALL ISLAND
GARRY ISLAND
PELLY ISLAND
FULLER ISLAND
HENSLEY HARBOUR
DENIS LAKE
DENIS LABOUR
BIG LAKE
LAKE FOREWELL
TRAPP HILLS
WILD LAKE
FULLER LAKE
GRASSY LAKE
OLIVER ISLANDS
P2
58


MACKENZIE BAY
YUKON
N.W.T.
MACKENZIE
DELTA
RIVER
ANGLEY ISLAND
SHOALWATER BAY
MINSTEFJOR
MIDDLE CHANNEL
NAPOIAK CHANNEL
WEST CHANNEL
BASE
U.S.G.S. MOOSE CHANNEL
RAINDEER DEPOT
BASE C
U.S.G.S. AKLAVIK
BASE B
AKLAVIK (old site)
WIS.
U.S.G.S. BELLE RIVER
BELLE RIVER
FORT McPHERSON
137°00'
136°00'
135°00'
134°00'
69°00'
68°00'

1 of 2



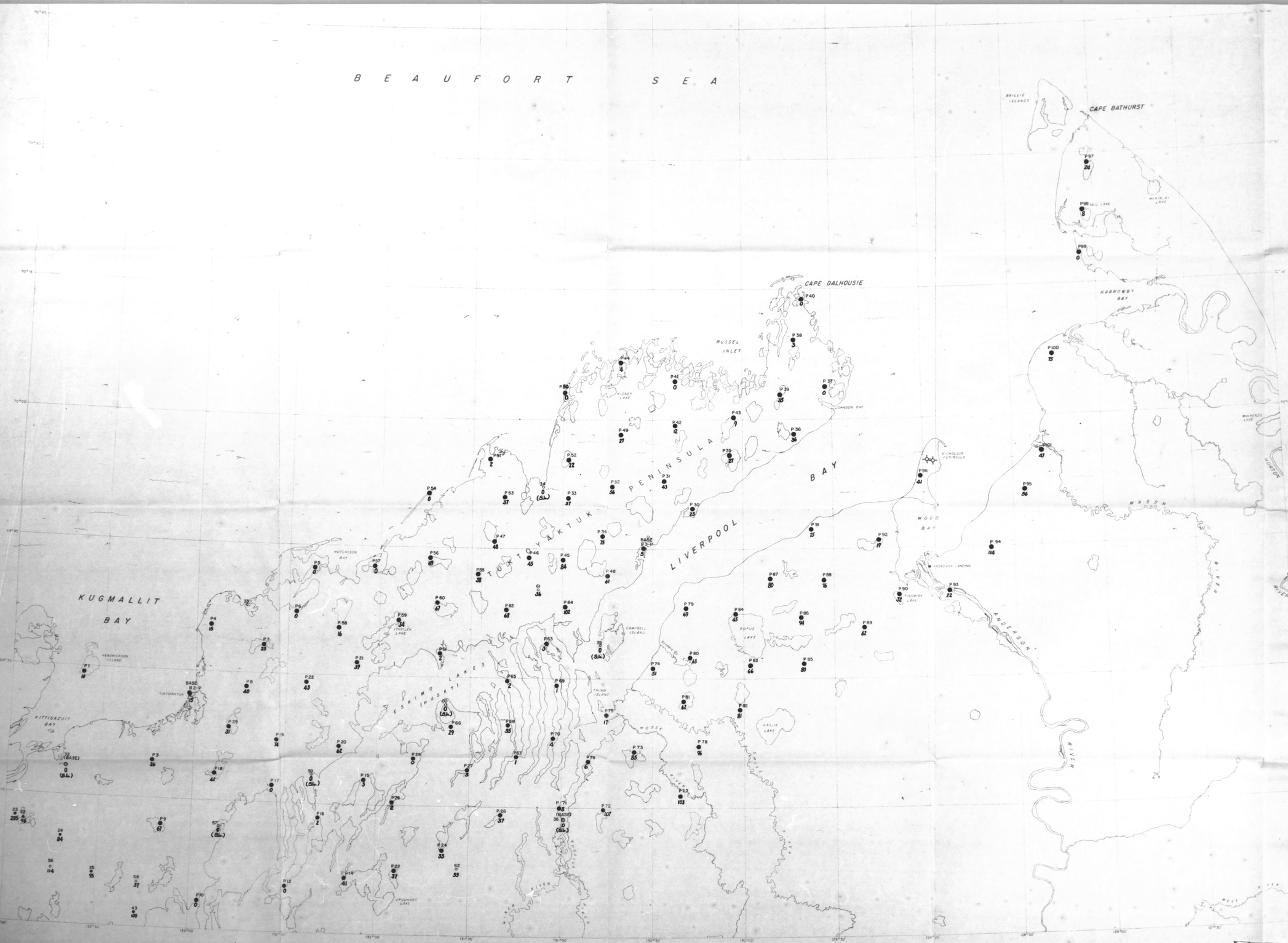
• CHEVRON 1968

◦ CAL STAN 1965
(- DELTA ELEVATIONS, ASSUMED TO BE AT SEA LEVEL)

REVISIONS	THE CALIFORNIA STANDARD COMPANY			
	RAT PASS SHEET **STATION LOCATION MAP** **- WITH ALTIMETER AND NTS ELEVATIONS**			
	SCALE	DATE	DRAWN	F-9240-28
	1 : 250,000		A C C	

23-F-9

2 of


BEAUFORT SEA
CAPE BATHURST
BAILLIE ISLANDS
CAPE DALHOUSIE
RUSSEL INLET
HARROWBY BAY
LIVERPOOL BAY
TUKTYAKTUK PENINSULA
KUGMALLIT BAY
KITTIGAZUIT BAY
HENDRICKSON ISLAND
TUKTOYAKTUK
ESKIMO LAKES
MOOSE CHANNEL
MASON RIVER
ANDERSON RIVER
WOOD BAY
NICHOLSON PENINSULA
HERSCHEL ISLAND
JOHNSON BAY
HUTCHISON BAY
CAMPBELL ISLAND
THUMB ISLAND
RUFUS LAKE
KAGLIK LAKE
MACKENZIE LAKE
HAMPTON
BASE 82-P
BASE 83-P
BASE 72
CHEVRON 1968 (FIXED WING)
CHEVRON 1968 (HELICOPTER)
CAL STAN 1965 (FIXED WING)
(– DELTA ELEVATIONS, ASSUMED TO BE AT SEA LEVEL)
CHEVRON STANDARD L
LIVERPOOL BAY
STATION LOCATION
–WITH ALTIMETER AND NTS ELE
SCALE 1:250,000
DATE NOV. 4, 1968
DRAWN B. A. F.
1 OF 2

● CHEVRON 1968
(FIXED WING)

• CHEVRON 1968
(HELICOPTER)

○ CAL STAN 1965
(FIXED WING)

(– DELTA ELEVATIONS, ASSUMED TO BE AT SEA LEVEL)

REVISIONS	CHEVRON STANDARD LIMITED			
	LIVERPOOL BAY AREA **STATION LOCATION MAP** **–WITH ALTIMETER AND NTS ELEVATIONS** 2 of 2			
	SCALE	DATE	DRAWN	F-11,280-1
	1:250,000	NOV. 4, 1966	B. A. F.	

23-D-4

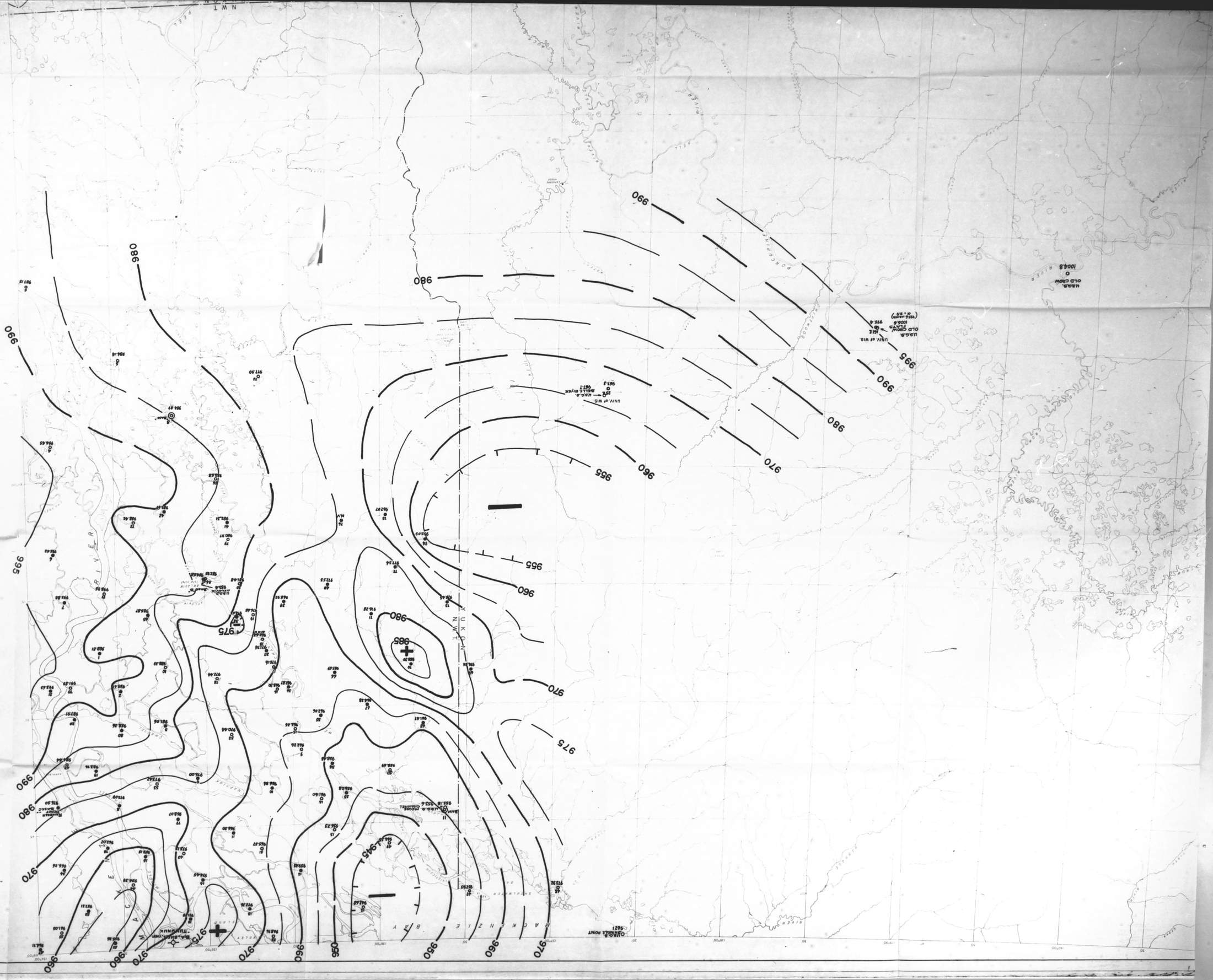
970
980
990
1000
1010
1020
MACKENZIE
RIVER
TRAVAILLANT LAKE
ARCTIC
RED
BASE
GOV. BASE
CAMPBELL LAKE
CARIBOU LAKE
NORTH CARIBOU LAKE
LOST REINDEER LAKES
WILLIAMS LAKE
WOLVERINE
CHOTLEY LAKES
TENLEN
SUNNY L.
PUNT
SANDY
GOIZEN
REVILEYS
BATHYS
TUNGRA
CLEARWATER L.
BIG STUNE
LUCHE
ATTLE
THEF
BATHURST LAKES
MANUEL LAKE
LARCHUS LAKE
TADEN
ICHENDEEH LAKE
MUNG LAKE
17


1010
1020
1020
1010
SITIDGI LAKE
WILLOWS LAKE
CROSSLEY LAKES
WOLVERINE
RIVER
NORTH CARIBOU LAKE
LOST REINDEER LAKES
CARIBOU LAKE
SURVEY
POINT
SARUP
GOIZEN
REVILEVIS
BATHYIS
JEEP
TRAVAILLANT LAKE
RIVER
LUCHE
BIG STONE
BIG L.
ATTIC
MACKENZIE
RIVER
FREE
BASIN
HAYDEN
CARCAJOU LAKE
TOMBOPEY LAKE
RUNU LAKE
MANUEL LAKE
VELTEA LAKE
RONEY LAKE
TALCK
BLUEFISH
TENASHA
RIVER
RIVER
133°00'
30'
132°00'
30'
131°00'
30'
130°00'
30'
129°00'
30'
128°00'
30'
127°00'
45'
NOTE: ELEVATIONS DERIVED FROM ALTIMETERS @ N.T.S.
CHEVRON 1968 (FIXED WING)
CHEVRON 1968 (HELICOPTER)
CAL STAN 1965 (FIXED WING)
REVISIONS
THE CALIFORNIA STANDARD COMPANY
HYNDMAN LAKE AREA
BOUGUER ANOMALY MAP
DATUM, SEA LEVEL
ELEV. CORR. FACTOR, .066MG. PER FT.
1965 DATA ADJ., -14.0 +(.004 X ELEV.)
C.I., 5.0 MG.
SCALE 1:250,000
DATE
DRAWN L.P.
F-9568-8
23-E-4

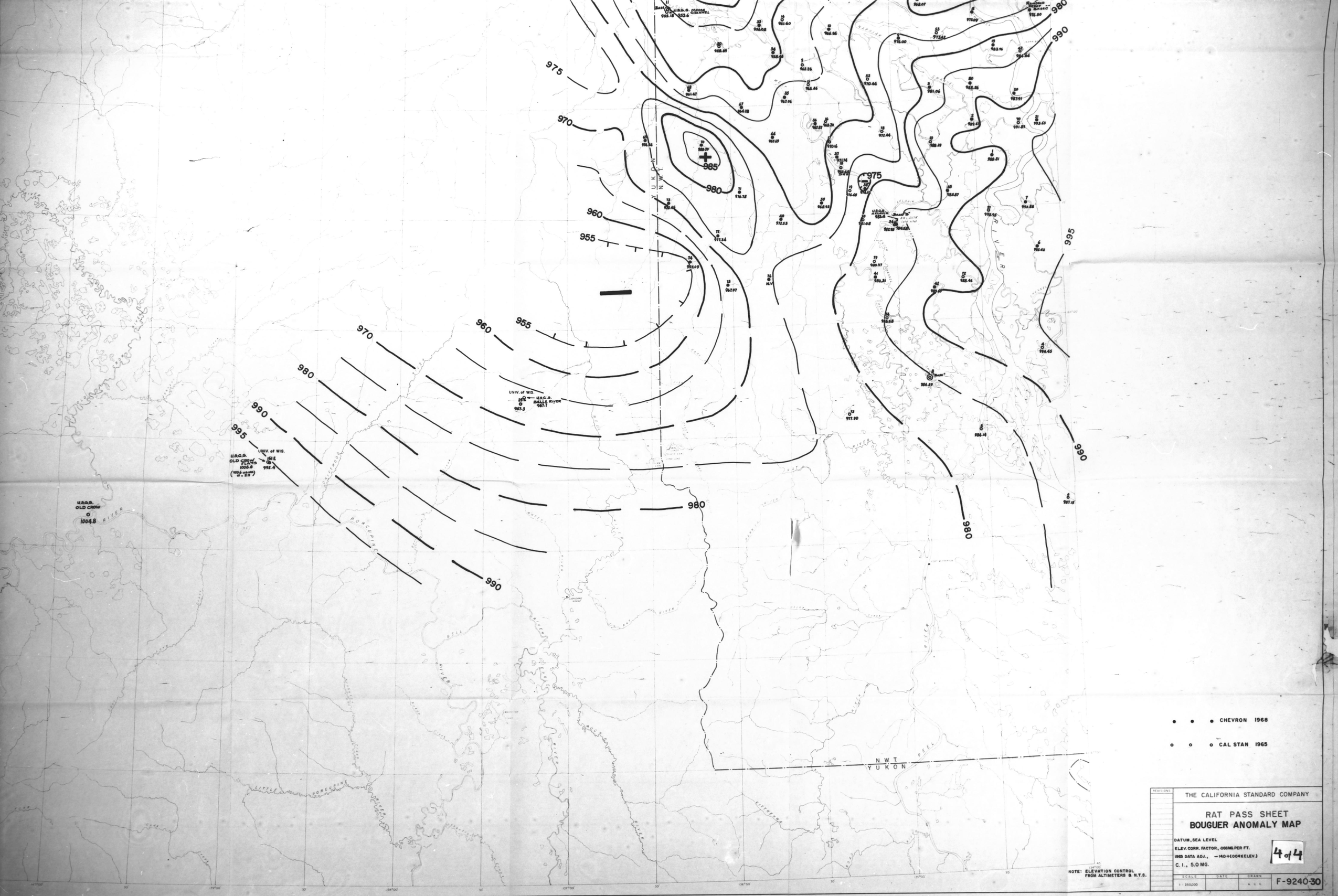
4 of 4

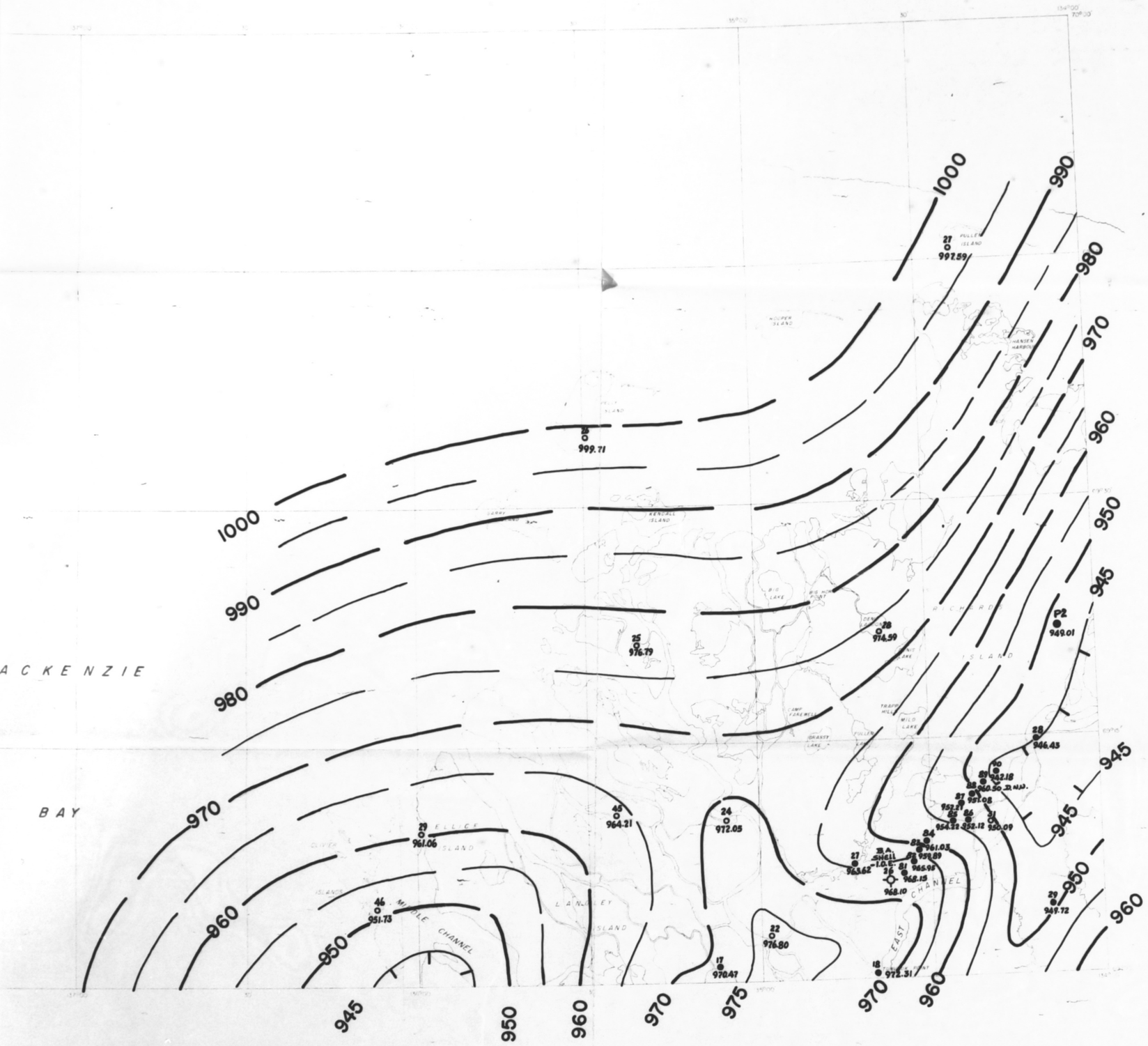
134°00'
69°00'
133°00'
30'
132°00'
131°00'
130°00'
129°00'
128°00'
127°00'
69°00'
MARSHALL LAKE
ETHEMO (MUSKRAT) LAKES
FIVE HUNDRED LAKE
OLD MAN LAKE
P 11
30
P 13
136
37
0
(S.L.)
38
0
(S.L.)
39
0
(S.L.)
40
0
(S.L.)
41
0
(S.L.)
44
35
45
20
46
40
48
150
49
151
50
60
55
290
30
70
64
234
77
500
56
380
51
80
57
340
60
19
31
345
65
0
(S.L.)
66
301
58
370
77
7
32
360
62
20
59
440
62
15
63
40
67
0
789
4
10
BASE A
21
30 (S.L.)
BASE
B1-P
85
GOV'T BASE
(AIRPORT)
224
64
30
75
202
5
14
69
0
17
20
0
(S.L.)
76
0
491
68
820
TRAVAILLANT
LAKE
MACKENZIE
RIVER
ARCTIC
RED
14


TRAVAILLANT LAKE
MACKENZIE
RIVER
NOTE
The legibility of this drawing is substandard and may result in poor microfilm reproduction.
CHEVRON 1968
(FIXED WING)
CHEVRON 1968
(HELICOPTER)
CAL STAN 1965
(FIXED WING)
(DELTA ELEVATIONS, ASSUMED TO BE AT SEA LEVEL)
THE CALIFORNIA STANDARD COMPANY
HYNDMAN LAKE AREA
STATION LOCATION MAP
—WITH ALTIMETER AND NTS ELEVATIONS
4 of 4
SCALE
DATE
DRAWN
F-9568-6


MACKENZIE BAY
SHOALWATER BAY
U.S.G.S. SHINGLE POINT 967.1
BASE U.S.G.S. MOOSE CHANNEL 955.18 953.6
B.A., SHELL, IMP. TUNUNUK
REINDEER DEPOT BASE C 976.50
U.S.G.S. AKLAVIK
UNIV. of WIS. U.S.G.S. BELLE RIVER 967.3 967.1
U.S.G.S. OLD CROW FLATS 1006.6 (995.6 using α = 2.9)
UNIV. of WIS. 161E 995.4
U.S.G.S. OLD CROW 1004.8
OLD CROW RIVER
PORCUPINE RIVER
YUKON N.W.T.
PEEL RIVER
945
950
955
960
965
970
975
980
985
990
995
+
—
● ● ● CHEVRON 1968
○ ○ ○ CAL STAN 1965

1 of


975
970
985
980
960
955
975
995
990
980
970
960
955
980
990
995
990
980
990
980
U.S.G.S. OLD CROW 1004.8
UNIV. of WIS. 151 E 998.4
UNIV. of WIS. 25 967.3
U.S.G.S. BALLE RIVER 967.7
U.S.G.S. 967.8
Y U K O N
N.W.T.
PORCUPINE
BELL
RIVER
LITTLE PORCUPINE
N.W.T.
YUKON
CHEVRON 1968
CAL STAN 1965
NOTE: ELEVATION CONTROL FROM ALTIMETERS & N.T.S.
REVISIONS
THE CALIFORNIA STANDARD COMPANY
RAT PASS SHEET
BOUGUER ANOMALY MAP
DATUM, SEA LEVEL
ELEV. CORR. FACTOR, .06MG. PER FT.
1965 DATA ADJ., −14.0+(.004XELEV.)
C. I., 5.0 MG.
4 of 4
SCALE 1:250,000
DATE
DRAWN A. C. C.
F-9240-30
23-F-4



● ● ● CHEVRON 1968
(FIXED WING)

● ● ● CHEVRON 1968
(HELICOPTER)

o o o CAL STAN 1965
(FIXED WING)

NOTE: ELEVATION CONTROL
FROM ALTIMETERS @ N.T.S.

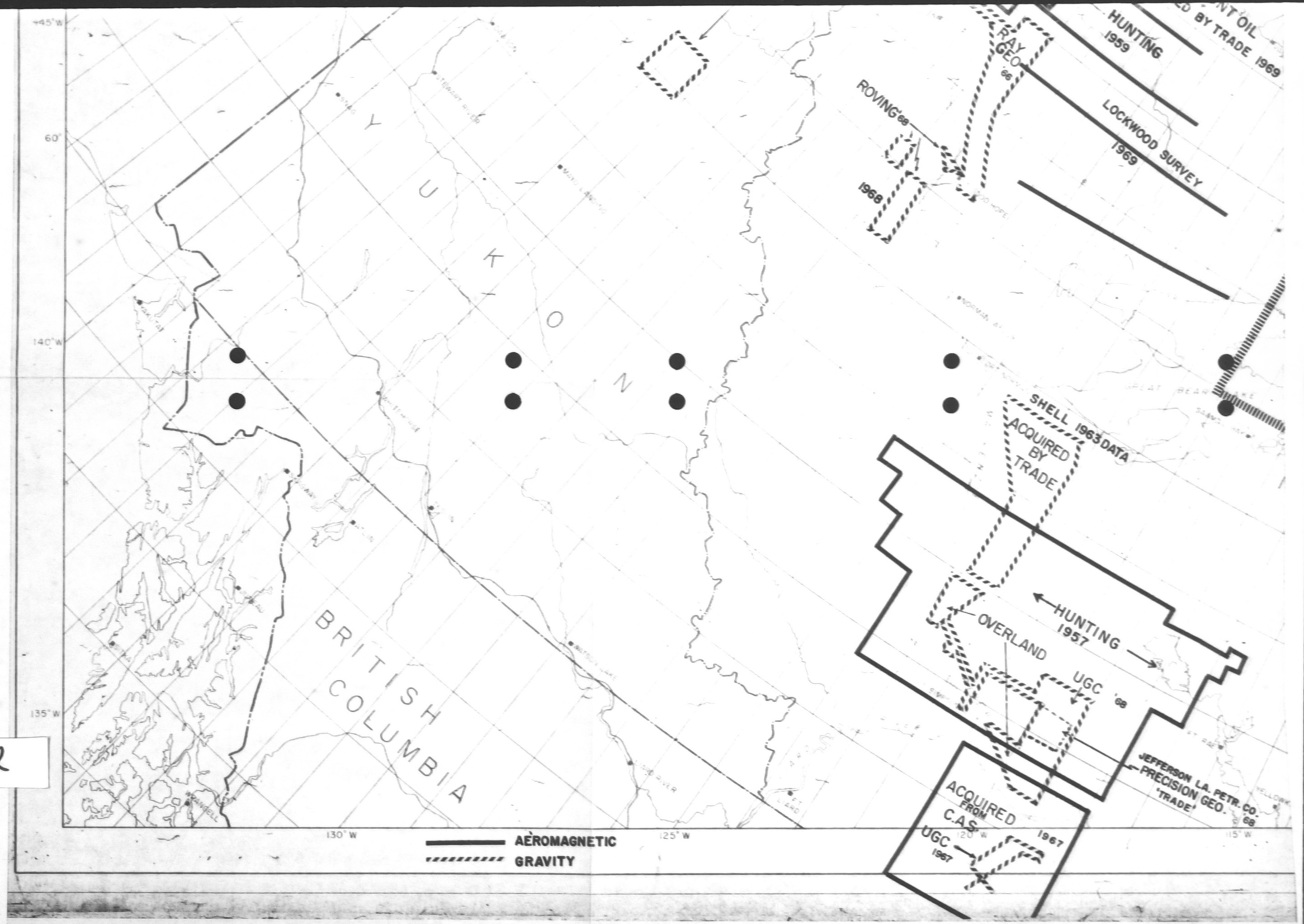
REVISIONS	THE CALIFORNIA STANDARD COMPANY
	MACKENZIE BAY AREA
	BOUGUER ANOMALY MAP
	DATUM, SEA LEVEL ELEV. CORR. FACTOR, .066MG PER FT. 1965 DATA ADJ., −14.0 + (.004% ELEV.) C.I., 5.0 MG.

SCALE	DATE	DRAWN	
1:250,000	JUNE 10-1963	PG	F-9612-5

23-G-4


S.K.A.
BEAUFORT SEA
YUKON TERRITORY
ALASKA
155°W
63°
150°W
62°
61°
145°W
60°
U S COAST & GEODETIC SURVEY
C.A.S. RECON. 1968
C.A.S. DUAL BIRD RECONN. 1968
CHEVRON AIR-LIFTED 1965-66
VELOCITY SURVEYS 1965
1961 HUNT OIL ACQUIRED BY TRADE 1969
HUNTING 1959
RAY GEO 66
ROVING 68
1968
LOCKWOOD SURVEY 1969

1 of


YUKON
BRITISH COLUMBIA
HUNTING 1959
LOCKWOOD SURVEY 1969
ROVING '69
1968
RAY GEO. '68
SHELL 1963 DATA ACQUIRED BY TRADE
HUNTING 1957
OVERLAND
UGC '68
JEFFERSON LA. PETR. CO.
PRECISION GEO. '68
'TRADE'
ACQUIRED FROM C.A.S.
UGC 1967
1967
AEROMAGNETIC
GRAVITY
60°
140°W
135°W
130°W
125°W
120°W
115°W

2 of 2

45-8-6-81

MACKENZIE DELTA - GROUP 215
FINAL REPORT ON GRAVITY SURVEY
CONDUCTED BY CHEVRON STANDARD LIMITED
JUNE 1968
GOVERNMENT PROJECT 45-8-6-68-8

CONFIDENTIAL

Area: Mackenzie Delta, N.W.T.

Government Project: 45-8-6-68-8

Group: 215

FINAL REPORT ON GRAVITY SURVEY CONDUCTED BY:

Chevron Standard Limited

June 1968

Maps in Attached Folder

Author: R. Clawson

Wm. McCormack

W. J. McCormack - 1970
District Geophysicist

Contractor: United Geophysical Limited

Government Project: 45-8-6-68-8

Group: 215

Area: Mackenzie Delta, N.W.T.

Maps:

1. Mackenzie Bay - Station location with altimeter
2. Hyndman Lake - Station location with altimeter and N.T.S. elevations
3. Rat Pass - " " " " " " "
4. Liverpool Bay - " " " " " " "
5. Mackenzie Bay - Bouguer anomaly
6. Hyndman Lake - " "
7. Rat Pass - " "
8. Liverpool Bay - " "

APPENDIX 7A

GEOPHYSICAL DATA

DATA REQUIRED FOR A GRAVITY SURVEY

OWNER OF DATA - Name CHEVRON STANDARD LIMITED

Address 400 Fifth Avenue S.W., Calgary 1, Alberta

LOCATION OF SURVEY (approx. boundary) Mackenzie Delta Lat. 68° to 70° Long. 132° to 136°

TYPE OF SURVEY - Traverse lines -- Direction --
of Systematic areal coverage Reconnaissance

AVERAGE STATION SPACING 1 in 10 miles approx.

NUMBER OF OBSERVATIONS IN SURVEY 90

YEAR OF OBSERVATION 1968 OBSERVER'S NAME United Geophysical Co.

FORM OF DATA

1. ORIGINAL TRAVERSE DATA

Gravimeters used:

Type	Serial Number	Calibration constant (mgal/div)
Worden	790	0.08469

Method of calibration By Texas Instruments

Estimated accuracy of reading in divisions ±0.02 Mg.

2. VALUES OF OBSERVED GRAVITY

Units in which observed gravity value is given Milligals
Average time interval drift checks 2 Hours

3. VALUES OF BOUGUER ANOMALY

Formula used for calculation of theoretical gravity (International Formula, or, if other, specify)
International Formula

Elevation datum used in calculation of Bouguer anomaly Sea Level

Density used in making elevation corrections (gm/cc) 2.2
Terrain corrections made? Yes

ELEVATIONS

Unit (feet or meters) Feet

Elevations determined by (Tick one):

Spirit Level	
Stadia	
APR	
Other (specify)	Altimeters & N.T.S. Contour Ma

Elevations referred to benchmark (Specify whether Dominion, Provincial, or other) Inuvik

Estimated accuracy of elevations relative to datum ±10 Ft. in Delta
±50 in Richardson Mtns.

POSITION COORDINATES

1. SCALED FROM MAPS of scale (Tick one):

1:25,000 or less	
1:50,000	X
1:125,000	
1:250,000	
1:500,000	

2. SURVEYED

Method of Survey (e.g., plane table, triangulation, or other) Aerial Photos and N.T.S. Maps

Units of Distance Feet

Position of origin of survey Inuvik

3. COMPUTED FROM DECCA COORDINATES (Yes or No.)

4. REFERENCED TO U.T.M. GRID SYSTEM (Yes or No)

5. REFERENCED TO WESTERN D.L.S. SYSTEM (Yes or No)

Estimated accuracy of coordinates

GRAVITY CONTROL

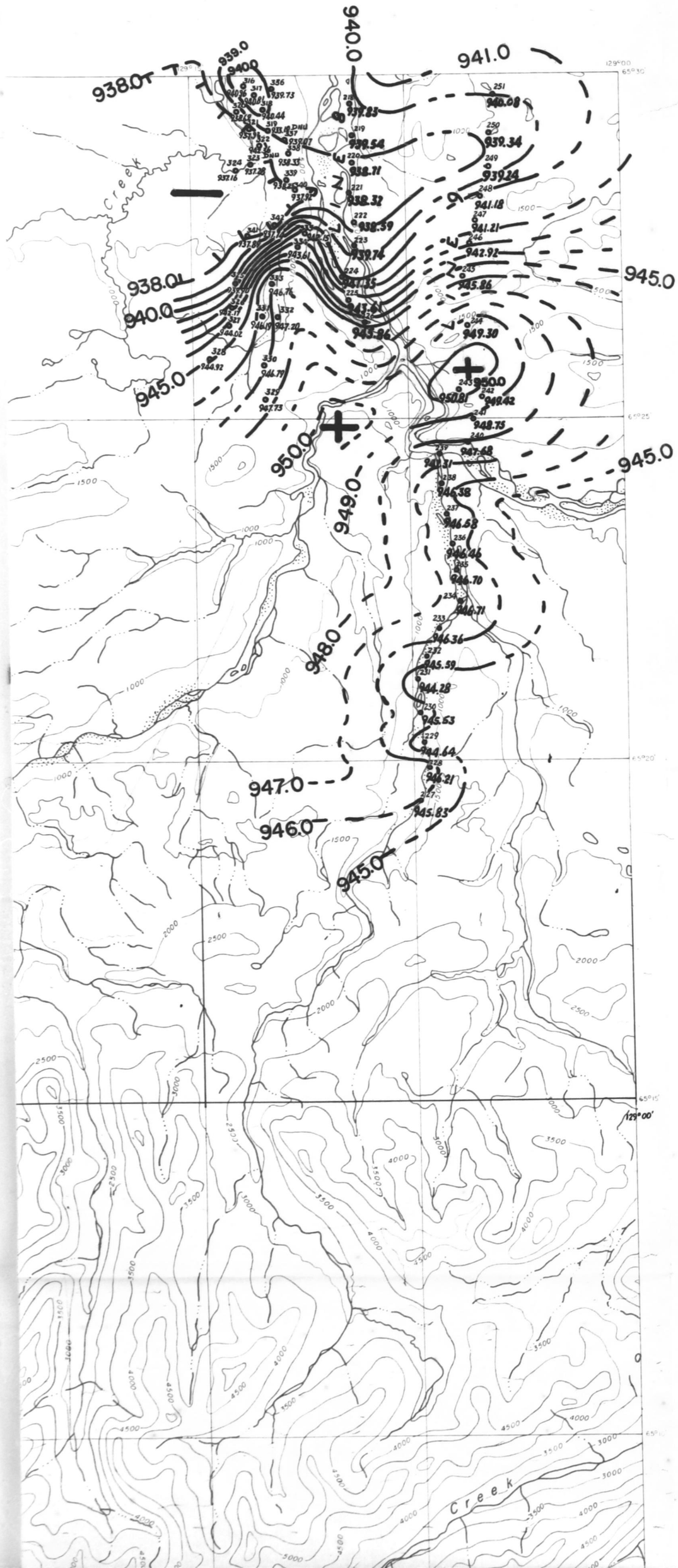
1. TIED TO DOMINION OBSERVATORY STATION(S)

Number	Location
9256-62	Inuvik

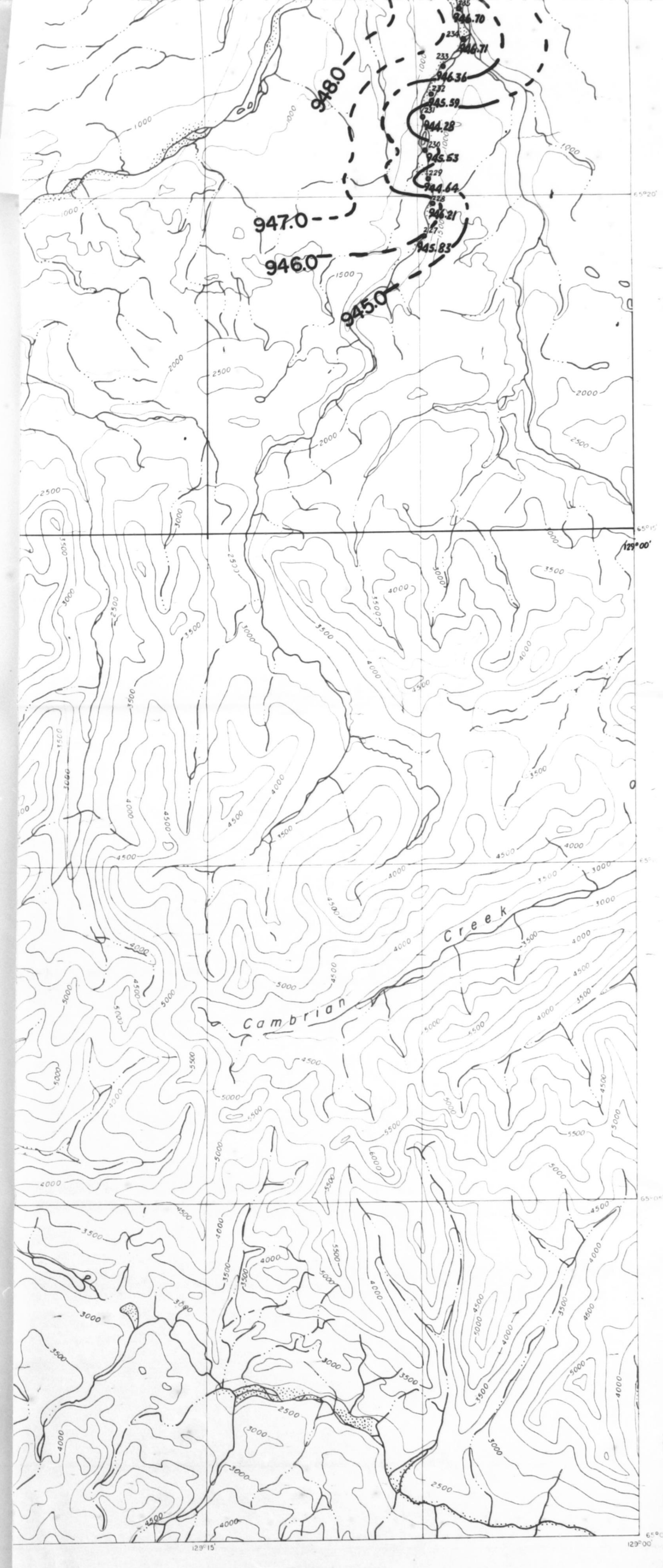
2. TIED TO LOCAL SYSTEM

Give location and gravity value of main reference station(s)

Airport Terminal 9825352 Gals.


940.0
941.0
938.0
945.0
938.0
940.0
945.0
950.0
949.0
945.0
948.0
947.0
946.0
945.0
Creek
Creek

1 OF 2



FOR INDEX OF BASE MAPS IN THIS AREA SEE F-6797-E-1

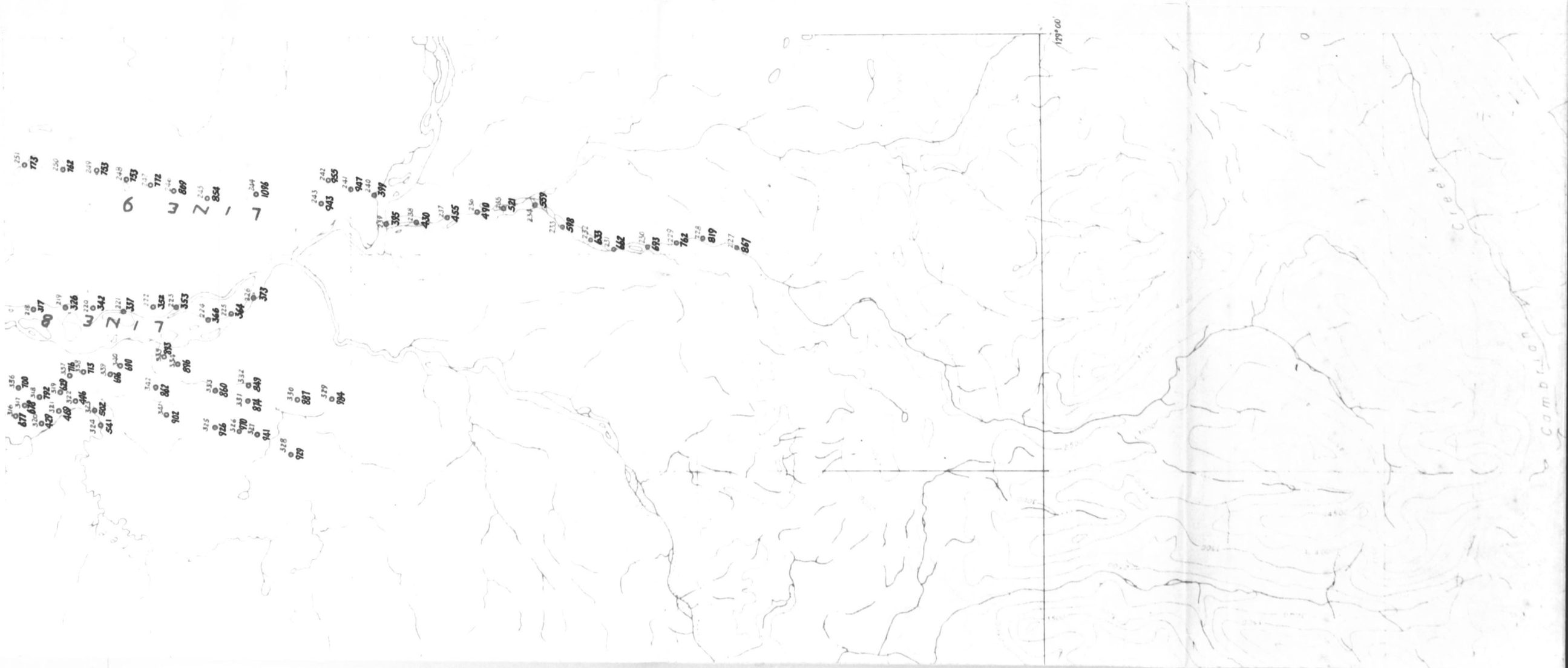
REVISIONS	THE CALIFORNIA STANDARD COMPANY
	GAYNA RIVER AREA
	BOUGUER ANOMALY MAP

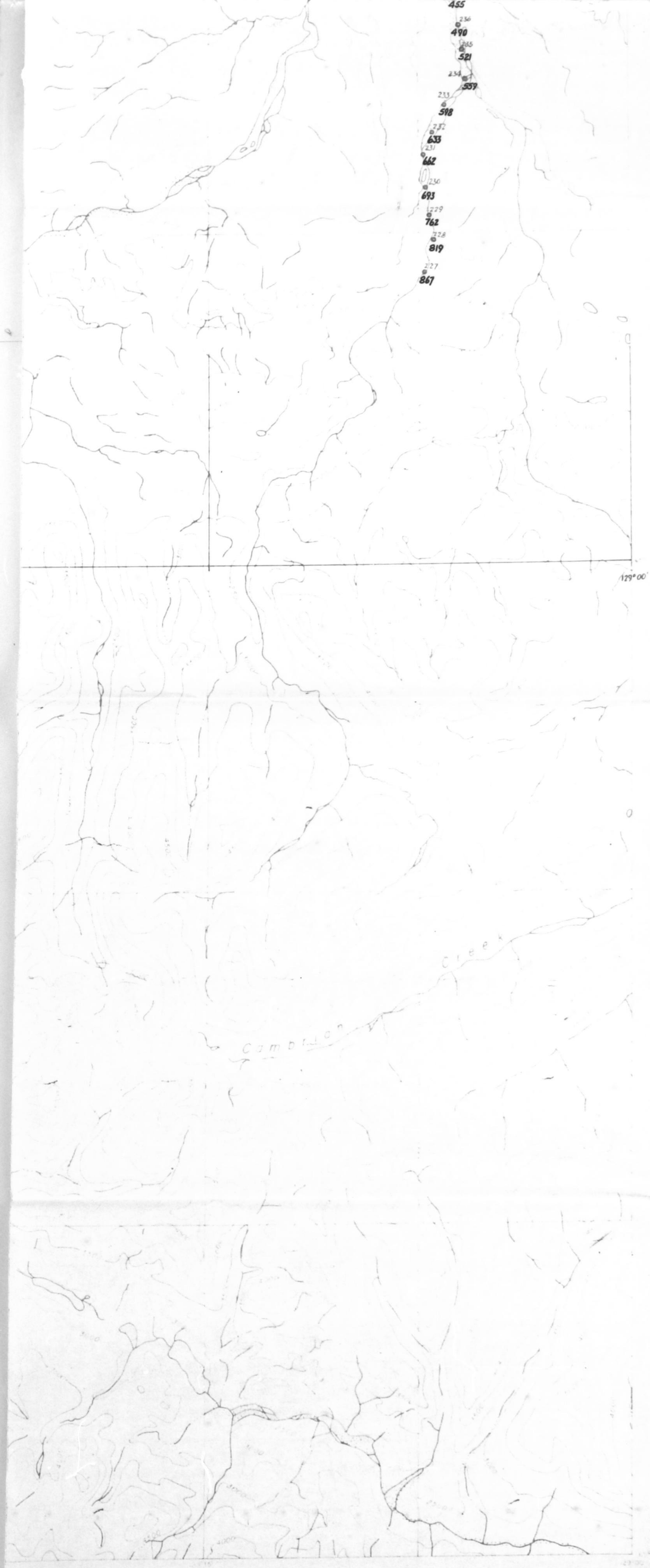
FIELD WORK BY: ROVING EXPL. SERV. -HELICOPTER- AUG.-SEPT. 1968

ELEV. DATUM, SEA LEVEL
CORR. FACTOR, .068 MG. PER FT.
CONTOUR INTERVAL, 1.0 MG.
CONTOURED BY P.I.B.

106-H-S.W.

SCALE	DATE	DRAWN	
1 INCH = 1 MILE	NOVEMBER, 1961	D.E.W.	F 9440A-4


129°00'
LINE 8
LINE 9
Creek
Camp



THE CALIFORNIA STANDARD COMPANY

GAYNA RIVER AREA

STATION LOCATION MAP

ALTIMETER

ELEVATIONS

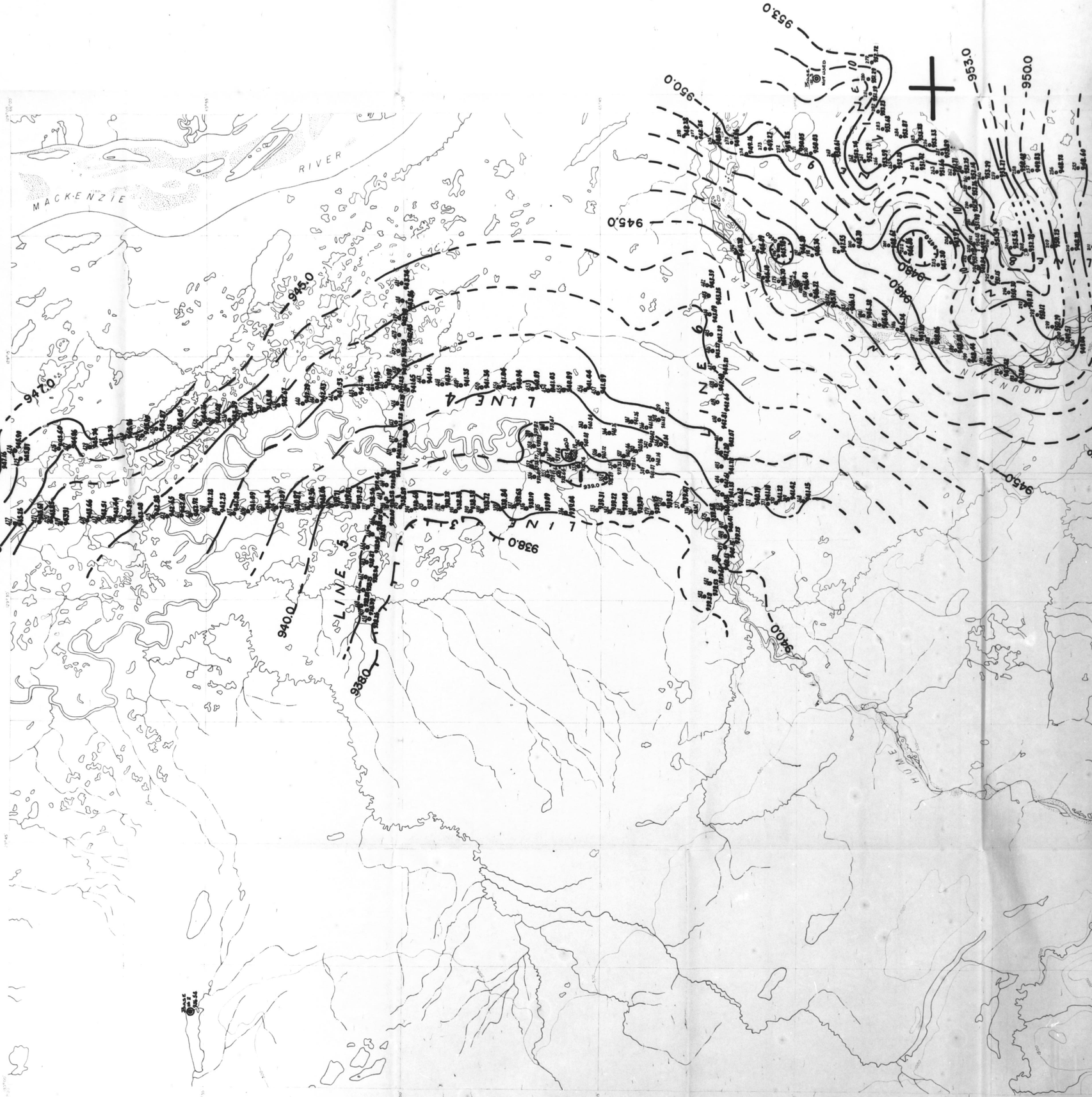
FIELD WORK BY:
ROVING EXPL. SERV.
-HELICOPTER-
AUG.-SEPT. 1968

106-H-S.W.

SCALE	DATE	DRAWN	
1 INCH = 1 MILE	NOVEMBER, 1968	DEW	F9440A-2

002432 IBM 23-C-4

2


MACKENZIE
RIVER
LINE 4
LINE 3
LINE 5
LINE 6
LINE 7
MOUNTAIN
HUME
945.0
947.0
940.0
938.0
950.0
953.0

THE CALIFORNIA STANDARD COMPANY

HUME RIVER AREA

STATION LOCATION MAP

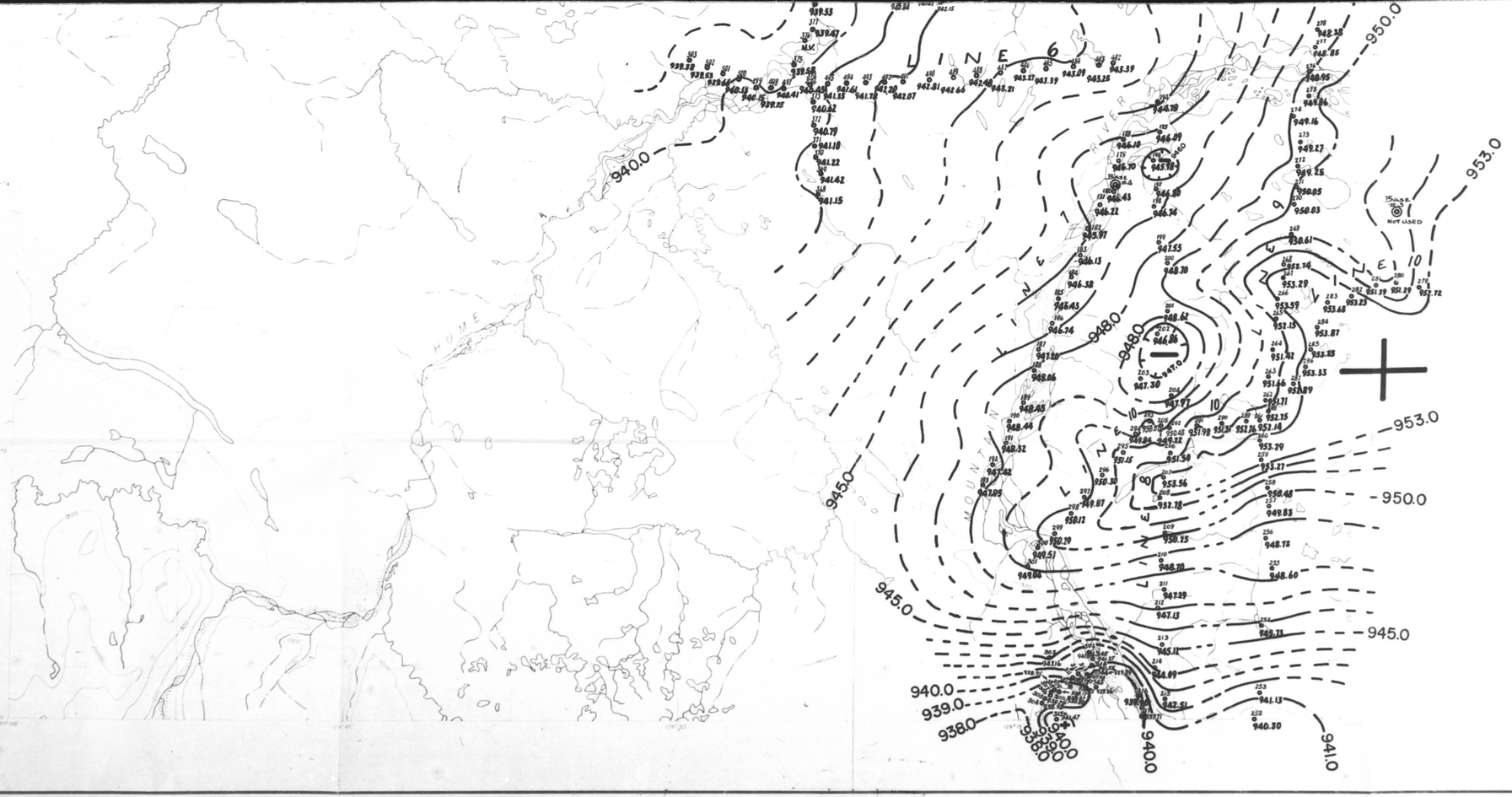
ALTIMETER ELEVATIONS

FIELD WORK BY:
ROVING EXPL. SERV.
-HELICOPTER-
AUG.-SEPT 1968

106-H-N.W

SCALE: 1" = 1 MILE | DATE: DECEMBER 1968 | DRAWN: P.G.

F-9444A-1



THE CALIFORNIA STANDARD COMPANY

HUME RIVER AREA

BOUGUER ANOMALY MAP

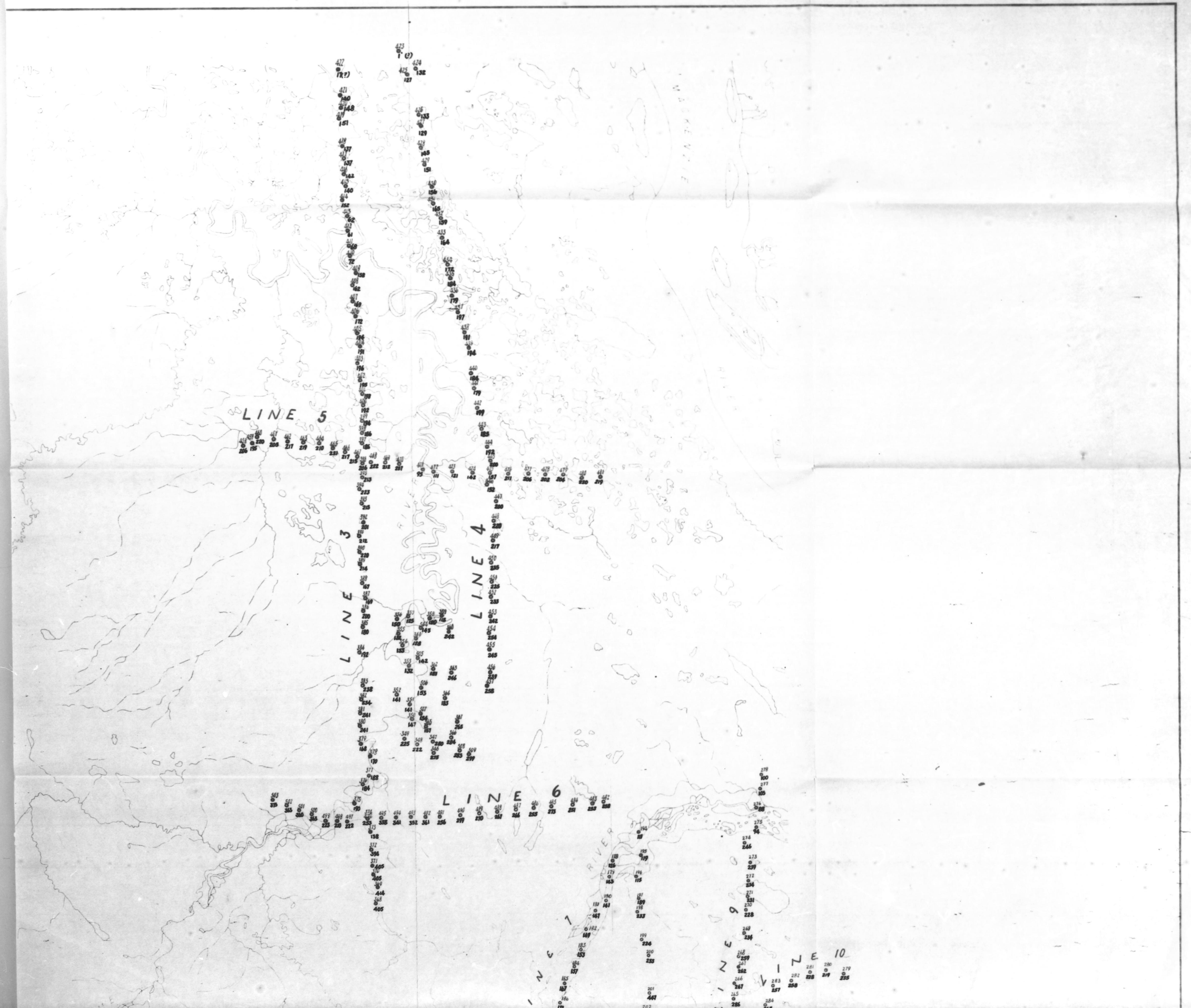
ELEV. DATUM, SEA LEVEL
ELEV. CORR. FACTOR, .066 MG./FT.
CONTOUR INTERVAL, 1.0MG.
CONTOURED BY P.I.B.

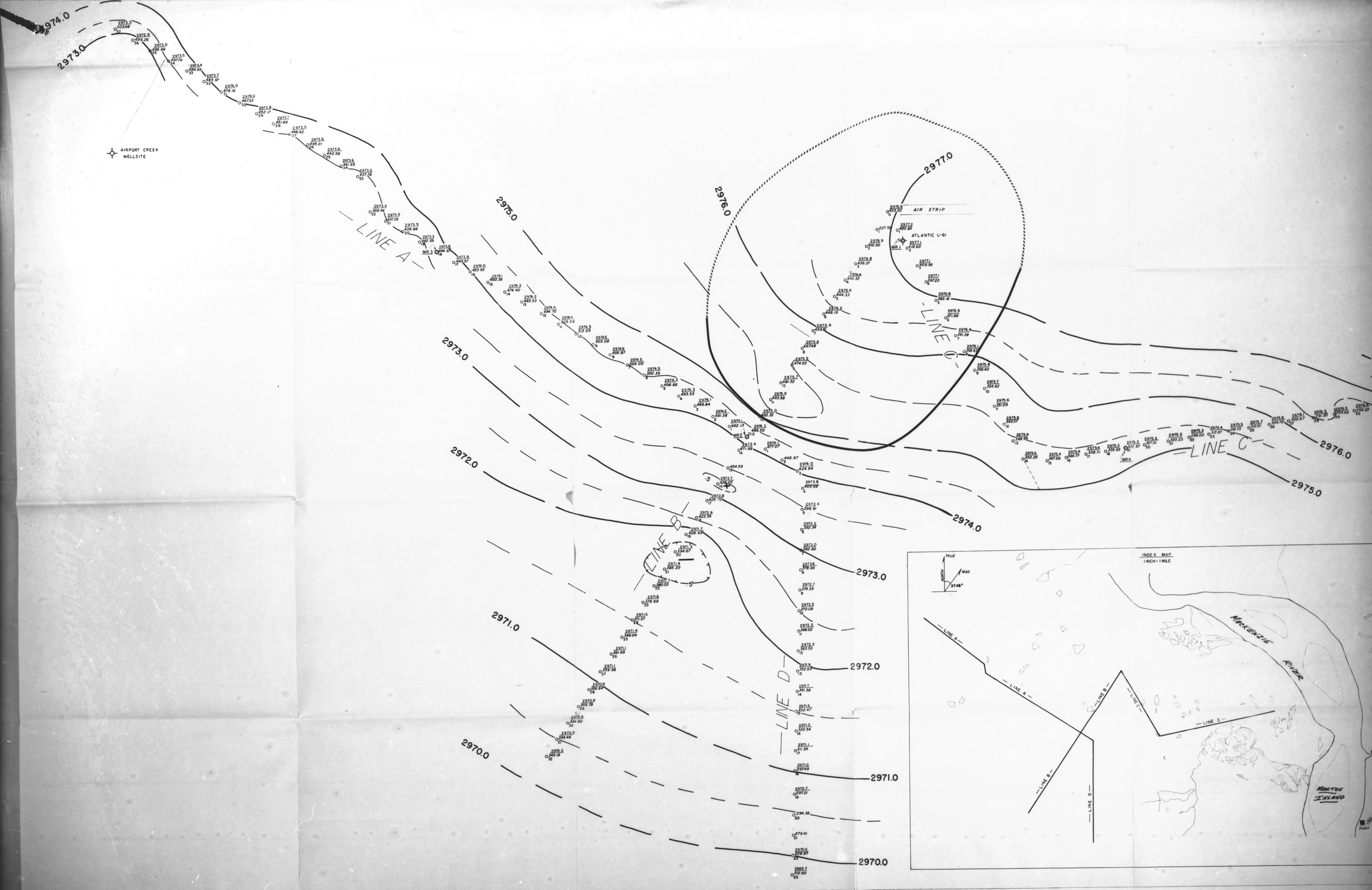
FIELD WORK BY:
ROVING EXPL. SERV.
-HELICOPTER-
AUG.-SEPT 1968

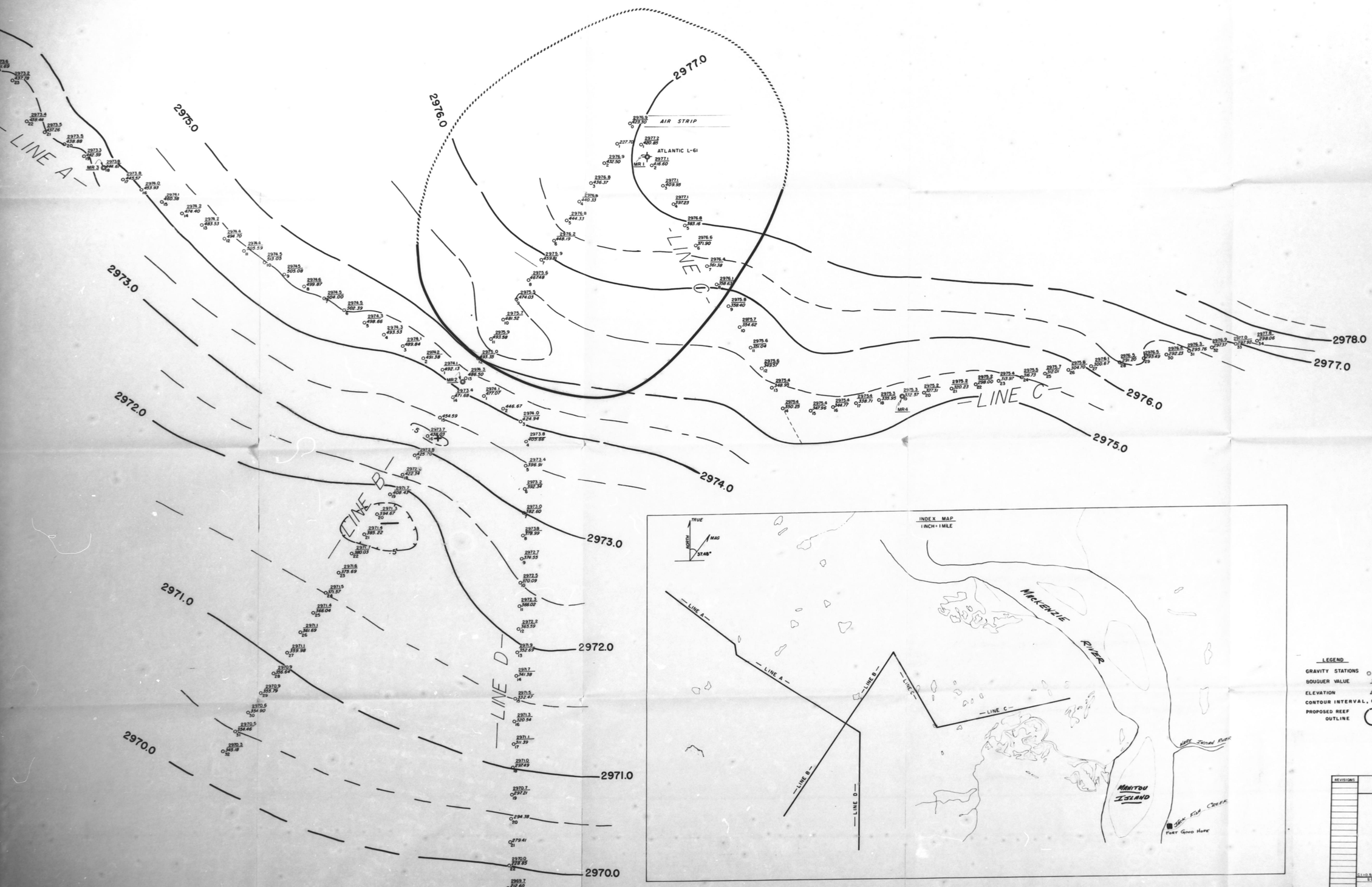
106-H-NW

SCALE 1 INCH = 1 MILE | DATE DECEMBER '68 | DRAWN | PG. 1

F-9444A-3


LINE 5
LINE 3
LINE 4
LINE 6
LINE 7
LINE 9
LINE 10
RIVER


2974.0
2973.0
2975.0
2976.0
2977.0
2972.0
2971.0
2970.0
AIRPORT CREEK WELLSITE
LINE A
LINE B
LINE C
LINE D
AIR STRIP
ATLANTIC L-61
MR 1
MR 2
MR 3
MR 4
INDEX MAP
1 INCH = 1 MILE
TRUE
MAG
NORTH
37.48°
MACKENZIE RIVER
MANITOU ISLAND



REVISIONS	CHEVRON STANDARD LIMITED			
	FORT GOOD HOPE N.W.T.			
	MANITOU REEF			
	BOUGUER & ELEVATION VALUES			
	ELEVATION CORRECTION FACTOR .065			
	BY			
	ROVING EXPLORATION SERVICES LTD.			
	SCALE	DATE	DRAWN	F-11,893
	10 cm = 1 mile	MAY 1968		

4 of 4

CONFIDENTIAL

MANITOU AND FT. GOOD HOPE

Government Project 45-8-6-68-5

Group 216

Final Report on Gravity Survey

Conducted by:

Chevron Standard Limited

Manitou Survey Conducted in April 1968

Ft. Good Hope Survey Conducted in August 1968

Maps in Attached Folder

Author: R. Clawson

W. J. McCormack

W. J. McCORMACK
District Geophysicist
January 1970

Area:	Manitou 65°20' to 66°20' N 129°00' to 130°15' W Ft. Good Hope 65°30' to 66°00'N 129°00' to 130°00'W
Permits:	3291-3293, 5661, 6279, 4959, 4960
Contractor:	Roving Exploration
Government Project:	45-8-6-68-5
Maps:	Bouguer Anomaly - Hume River Area Bouguer Anomaly - Ramparts River Area Bouguer Anomaly - Gayna River Area Bouguer & Elevations - Ft. Good Hope Station Location & Elevations - Hume River Area Station Location & Elevations - Ramparts River Area Station Location & Elevations - Gayna River Area

GEOPHYSICAL DATA

DATA REQUIRED FOR A GRAVITY SURVEY

OWNER OF DATA - Name Chevron Standard Limited

Address 400 Fifth Avenue S.W., Calgary 1, Alberta

LOCATION OF SURVEY (approx. boundary) Long. 129° to 130°15'; Lat. 65°20' to 66°20'

TYPE OF SURVEY - Traverse lines X Direction Various
of Systematic areal coverage

AVERAGE STATION SPACING 0.2 Mile

NUMBER OF OBSERVATIONS IN SURVEY 126

YEAR OF OBSERVATION 1968 OBSERVER'S NAME Roving Exploration

FORM OF DATA

1. ORIGINAL TRAVERSE DATA

Gravimeters used:

Type	Serial Number	Calibration constant (mgal/div)
Worden	790	.08469

Method of calibration Tested on Dom. OBS.
Calibration Stations
Estimated accuracy of reading in divisions 0.1 Div.

2. VALUES OF OBSERVED GRAVITY

Units in which observed gravity value is given Milligals
Average time interval drift checks 120 Min. Limit

3. VALUES OF BOUGUER ANOMALY

Formula used for calculation of theoretical gravity (International Formula, or, if other, specify)
International
Elevation datum used in calculation of Bouguer anomaly Sea Level

Density used in making elevation corrections (gm/cc) 2.3
Terrain corrections made? Yes

ELEVATIONS

Unit (feet or meters) Feet

Elevations determined by (Tick one):

Spirit Level	
Stadia	
APR	
Other (specify)	Altimeters

Elevations referred to benchmark (Specify whether Dominion, Provincial, or other) Atlantic Col. Car. E-61 Well Site

Estimated accuracy of elevations relative to datum ± 10 Feet per Mile

POSITION COORDINATES

1. SCALED FROM MAPS of scale (Tick one):

	1:25,000 or less	X
	1:50,000	
Air photos	1:125,000	
	1:250,000	
	1:500,000	

2. SURVEYED

Method of Survey (e.g., plane table, triangulation, or other) Air photos + Altimeter

Units of Distance Feet

Position of origin of survey Atlantic Col. Car. E-61 Well Site

3. COMPUTED FROM DECCA COORDINATES (Yes or No.) No

4. REFERENCED TO U.T.M. GRID SYSTEM (Yes or No) No

5. REFERENCED TO WESTERN D.L.S. SYSTEM (Yes or No) No

Estimated accuracy of coordinates ± 50'

GRAVITY CONTROL

1. TIED TO DOMINION OBSERVATORY STATION(S)

Number	Location
	In front of Hudson Bay Co. Store
	Fort Good Hope

2. TIED TO LOCAL SYSTEM

Give location and gravity value of main reference station(s)

Lat. 66°15.3' Long. 128°38'

982.34400

GEOPHYSICAL DATA

DATA REQUIRED FOR A GRAVITY SURVEY

OWNER OF DATA - Name Chevron Standard Limited

Address 400 Fifth Avenue S.W., Calgary 1, Alberta

LOCATION OF SURVEY (approx. boundary) Long. 129° to 130°; Lat. 65°30' to 66°

TYPE OF SURVEY - Traverse lines X Direction Various
of Systematic areal coverage in portions

AVERAGE STATION SPACING 1/2 Mile

NUMBER OF OBSERVATIONS IN SURVEY 410

YEAR OF OBSERVATION 1968 OBSERVER'S NAME Roving Exploration

FORM OF DATA

1. ORIGINAL TRAVERSE DATA

Gravimeters used:

Type	Serial Number	Calibration constant (mgal/div)
Worden	790	.08469

Method of calibration Tested on Dom. OBS. Calibration Stations.

Estimated accuracy of reading in divisions 0.1 Div.

2. VALUES OF OBSERVED GRAVITY

Units in which observed gravity value is given Milligals
Average time interval drift checks 120 Min. Limit

3. VALUES OF BOUGUER ANOMALY

Formula used for calculation of theoretical gravity (International Formula, or, if other, specify)
International

Elevation datum used in calculation of Bouguer anomaly Sea Level

Density used in making elevation corrections (gm/cc) 2.2
Terrain corrections made? Yes

ELEVATIONS

Unit (feet or meters) Feet

Elevations determined by (Tick one):

Spirit Level	
Stadia	
APR	
Other (specify)	Altimeter

Elevations referred to benchmark (Specify whether Dominion, Provincial, or other) Dominion

Estimated accuracy of elevations relative to datum ± 0.5 Ft. Per Mile

POSITION COORDINATES

1. SCALED FROM MAPS of scale (Tick one):

	1:25,000 or less	X
	1:50,000	
Air photos	1:125,000	
	1:250,000	
	1:500,000	

2. SURVEYED

Method of Survey (e.g., plane table, triangulation, or other) Air photos + altimeter

Units of Distance Feet

Position of origin of survey Ft. Good Hope

3. COMPUTED FROM DECCA COORDINATES (Yes or No.) No

4. REFERENCED TO U.T.M. GRID SYSTEM (Yes or No) No

5. REFERENCED TO WESTERN D.L.S. SYSTEM (Yes or No) No

Estimated accuracy of coordinates ± 100 Ft.

GRAVITY CONTROL

1. TIED TO DOMINION OBSERVATORY STATION(S)

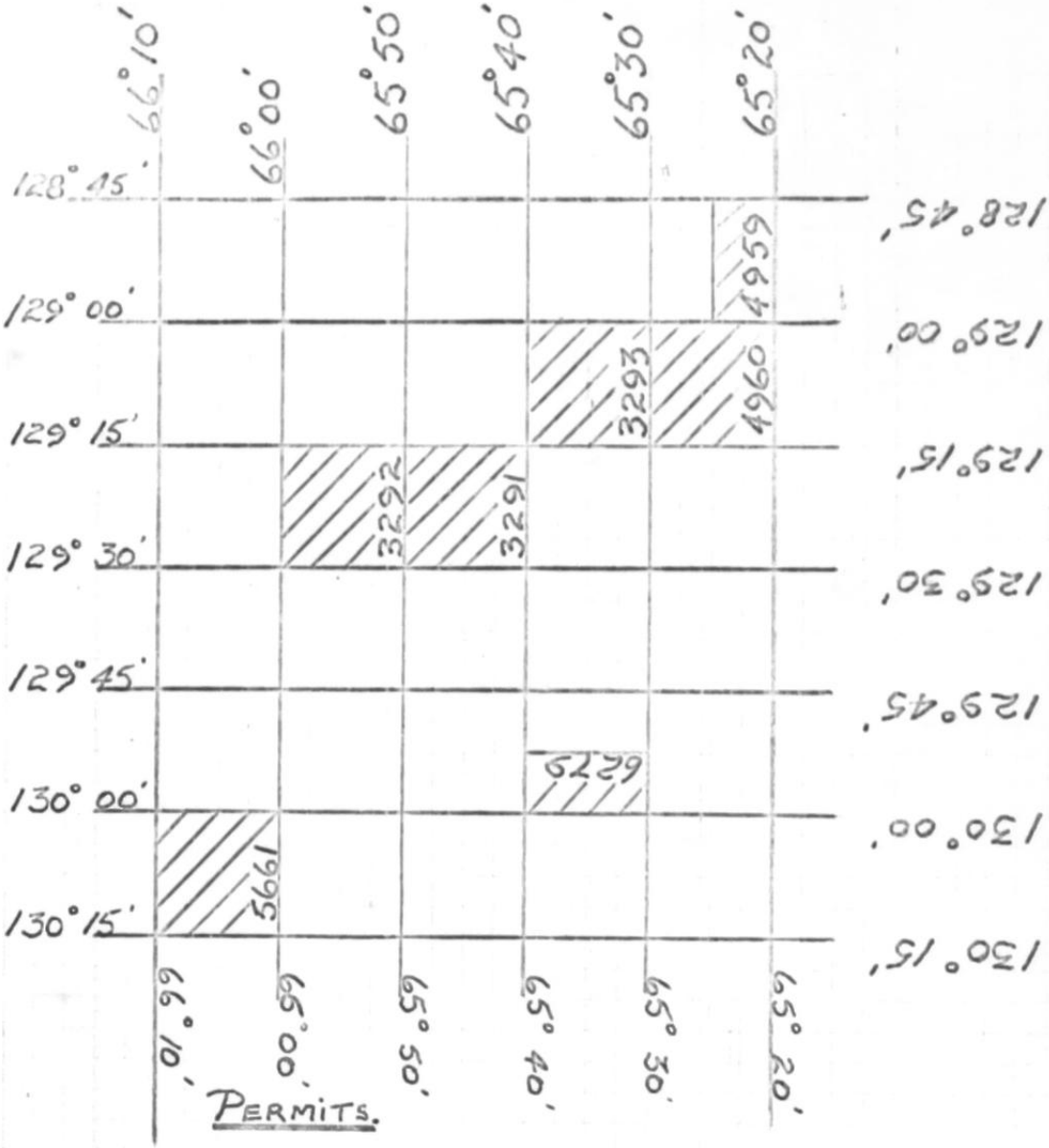
Number	Location
	Ft. Good Hope in front of Hudson Bay Co. Store.

2. TIED TO LOCAL SYSTEM

Give location and gravity value of main reference station(s)

Lat. 66°15.3'; Long. 128°38'

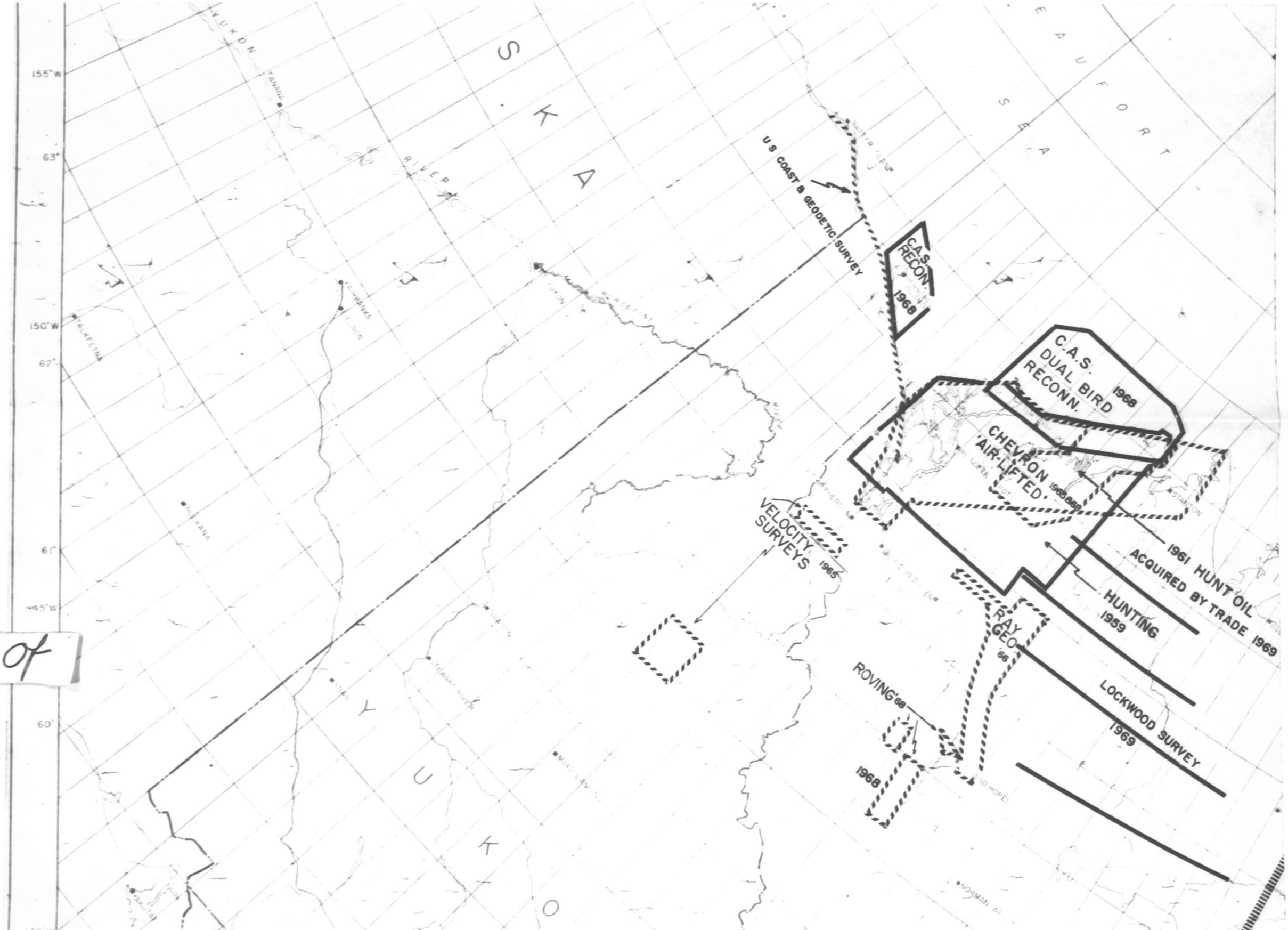
982.34400 Gals.



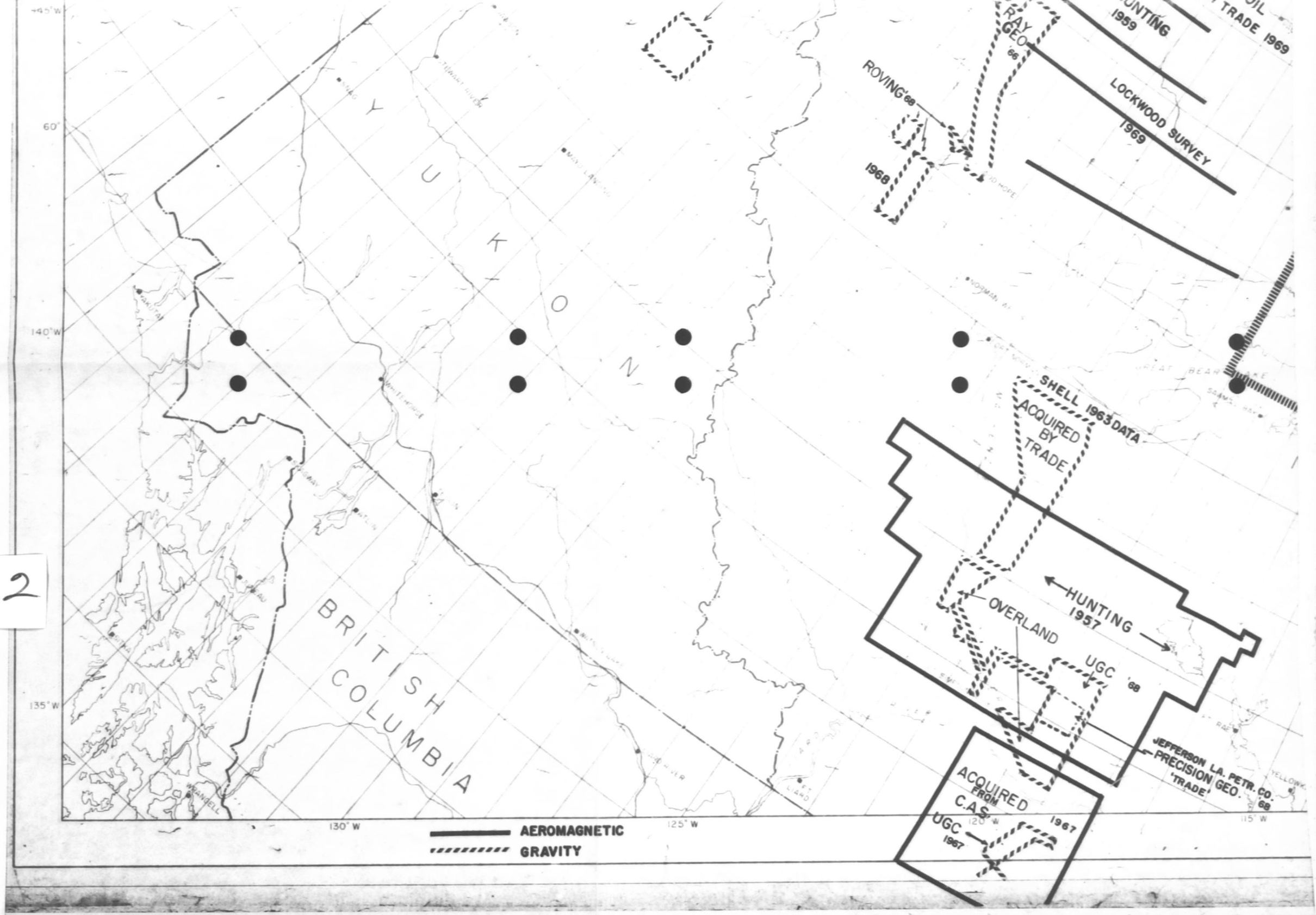
PERMITS.

3291- 3293, 5661, 6279,
4959, 4960.

GROUP 216.


155°W
63°
150°W
62°
61°
145°W
60°
S K A
Y U K O
B E A U F O R T
S E A
YUKON TERRITORY
RIVER
FAIRBANKS
PALMER
U S COAST & GEODETIC SURVEY
C.A.S. RECON. 1968
C.A.S. DUAL BIRD RECONN. 1968
CHEVRON 'AIR-LIFTED' 1965-66
VELOCITY SURVEYS 1965
RAY GEO 66
ROVING '68
1968
1961 HUNT OIL ACQUIRED BY TRADE 1969
HUNTING 1959
LOCKWOOD SURVEY 1969
NORMAN WELLS

1 of


YUKON
BRITISH COLUMBIA
WRANGELL
45°W
60°
140°W
135°W
130°W
125°W
120°W
115°W
AEROMAGNETIC
GRAVITY
HUNTING 1959
TRADE 1969
LOCKWOOD SURVEY 1969
ROVING '69
1968
GEO. '66
SHELL 1963 DATA ACQUIRED BY TRADE
HUNTING 1957
OVERLAND
UGC '68
JEFFERSON LA. PETR. CO.
PRECISION GEO. '68
'TRADE'
ACQUIRED FROM C.A.S.
UGC 1967
1967

2 of 2