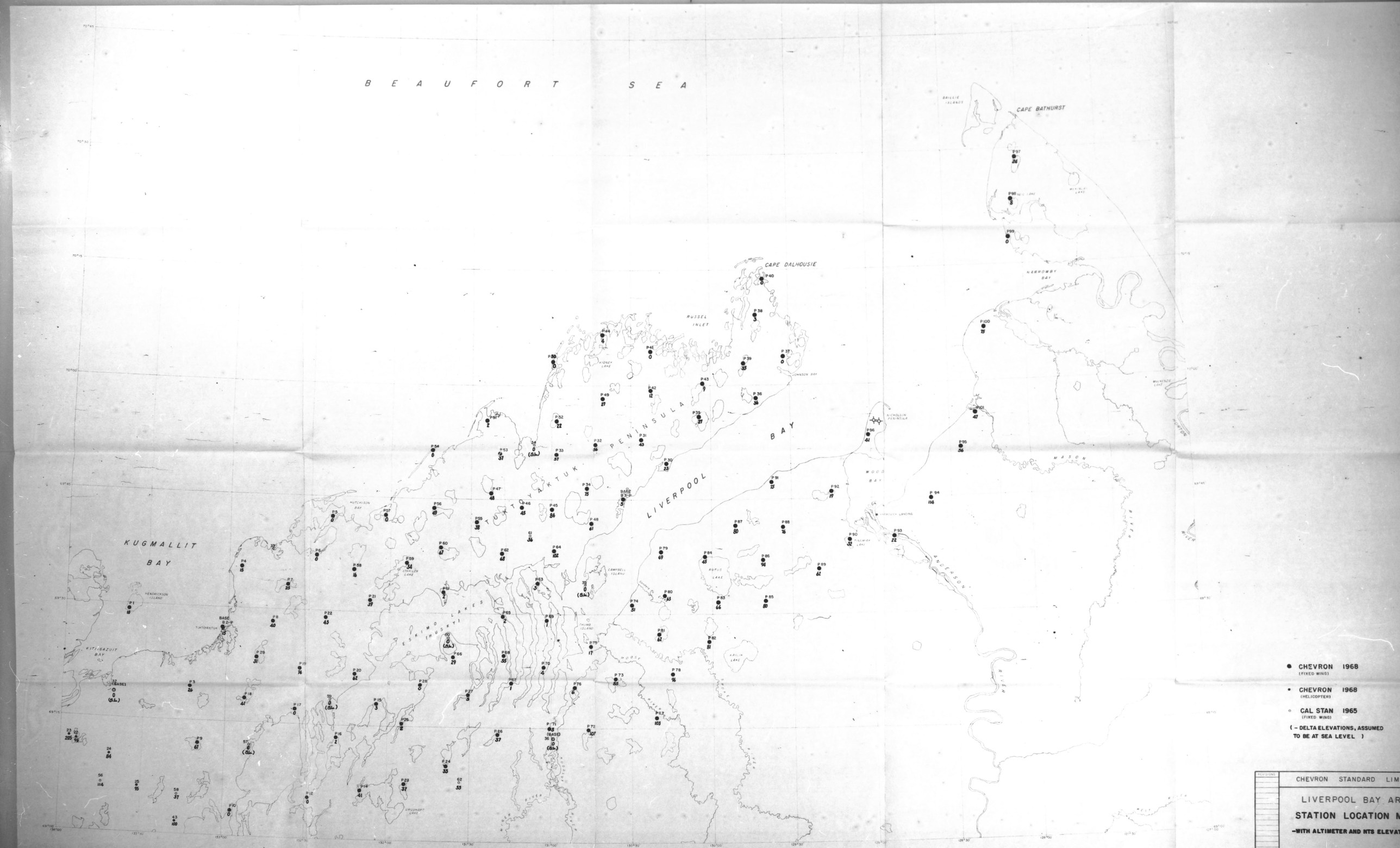

BEAUFORT SEA
CAPE BATHURST
CAPE DALHOUSIE
RUSSEL INLET
LIVERPOOL BAY
WOOD BAY
KUGMALLIT BAY
ESKIMO LAKES
TEXACO C & E NICHOLSON
TEXCAN C & E NICHOLSON
ANDERSON RIVER
CHEVRON 1968 (FIXED WING)
CHEVRON 1968 (HELICOPTER)
CAL STAN 1965 (FIXED WING)
1 OF 2
NOTE: ELEVATION CONTROL FROM ALTIMETERS & N.T.S.
REVISIONS
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.
SCALE 1:250,000
DATE NOV. 4, 1966
DRAWN B. A. F.
F-11,2



- CHEVRON 1968 (FIXED WING)
- CHEVRON 1968 (HELICOPTER)
- CAL STAN 1965 (FIXED WING)

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

REVISIONS	CHEVRON STANDARD LIM
	LIVERPOOL BAY AR
	STATION LOCATION M
	–WITH ALTIMETER AND NTS ELEVAT

SCALE	DATE	DRAWN	
1 : 250,000	NOV. 4, 1968	B. A. F.	F–

1 OF 2

BEAUFORT SEA
CAPE BATHURST
BAILLIE ISLANDS
CAPE DALHOUSIE
RUSSEL INLET
HARROWBY BAY
JOHNSON BAY
KUGMALLIT BAY
HUTCHISON BAY
TUKTOYAKTUK PENINSULA
LIVERPOOL BAY
WOOD BAY
NICHOLSON PENINSULA
ESKIMO LAKES
HUSKY LAKES
CAMPBELL ISLAND
RUFUS LAKE
KAGLIK LAKE
TINGMIARK LAKE
KITTIGAZUIT BAY
HENDRICKSON ISLAND
TUKTOYAKTUK
URQUHART LAKE
ANDERSON RIVER
MASON RIVER
HORTON RIVER
WEST RIVER
CHEVRON 1968 (FIXED WING)
CHEVRON 1968 (HELICOPTER)
CAL STAN 1965 (FIXED WING)
CHEVRON STANDARD LI
LIVERPOOL BAY A
STATION LOCATION
1 : 250,000
NOV. 4, 1968

1 of 2

CONFIDENTIAL

Area: Liverpool Bay, N.W.T.

Government Project: 45-8-6-68-10

Group: 215

FINAL REPORT ON GRAVITY SURVEY CONDUCTED BY:

Chevron Standard Limited

August & September 1968

Maps in Attached Folder

Author: R. Clawson

W. J. McCormack - 1970
District Geophysicist

Contractor:	Chevron Standard Limited
Operator:	P. Parsneau
Government Project:	45-8-6-68-10
Group:	215
Area:	Liverpool Bay, N.W.T.

Maps:
1. Station location
2. Station location with altimeter and N.T.S. elevations
3. Bouguer anomaly

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. 128° 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 101

YEAR OF OBSERVATION 1968 OBSERVER'S NAME H. P. Parsneau

FORM OF DATA

1. ORIGINAL TRAVERSE DATA

Gravimeters used:

Type	Serial Number	Calibration constant (mgal/div)
Worden	808	.09302

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? Not Required

ELEVATIONS

Unit (feet or meters) Feet

Elevations determined by (Tick one):

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

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

Estimated accuracy of elevations relative to datum ±10 Ft.

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)

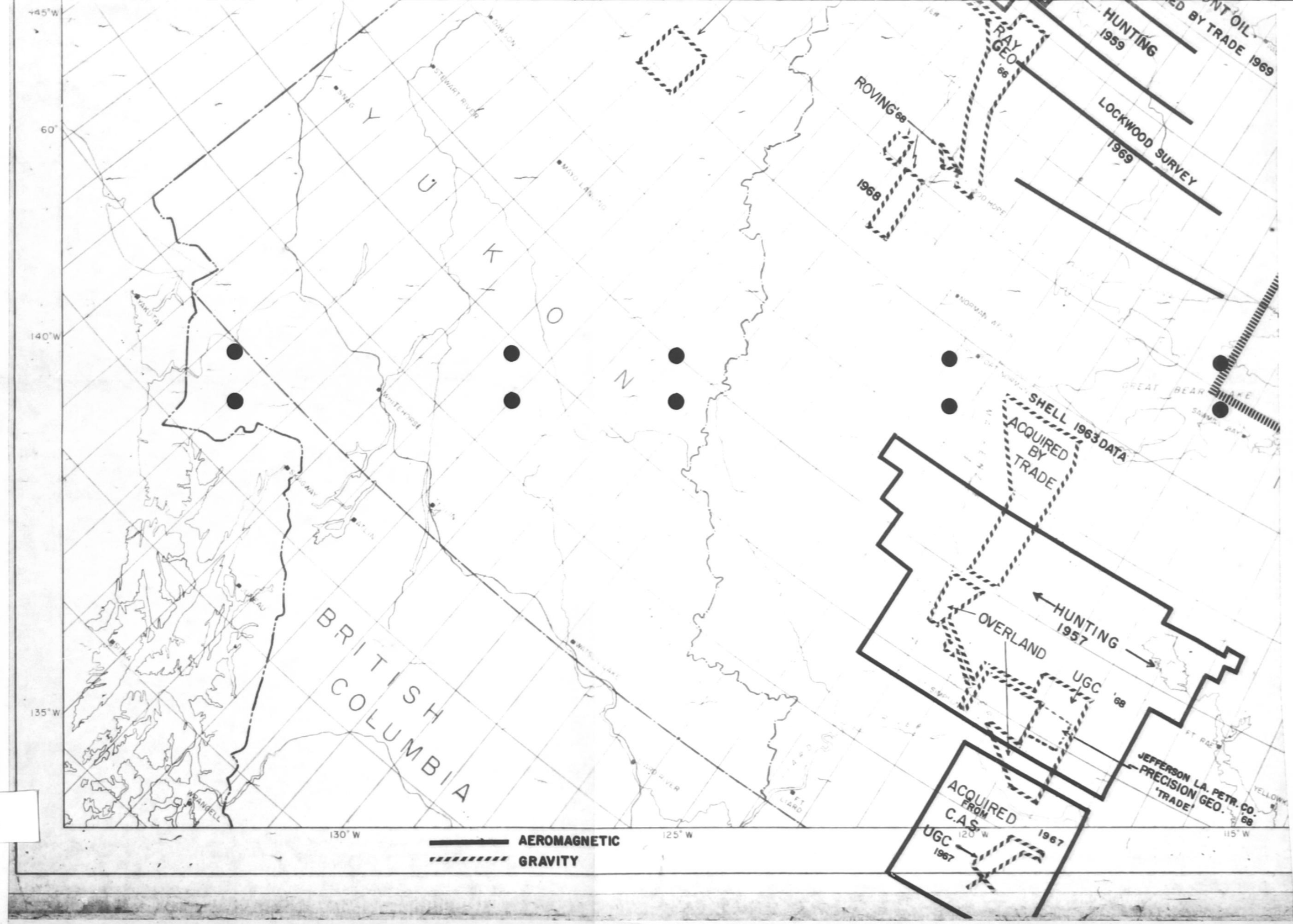
Number	Location
9256-62	Inuvik

2. TIED TO LOCAL SYSTEM

Give location and gravity value of main reference station(s) Airport Terminal 9825352 Gals.


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

10f


145°W
60°
140°W
135°W
130°W
125°W
120°W
115°W
Y U K O N
BRITISH COLUMBIA
RAY GEO '66
ROVING '68
1968
HUNTING 1959
LOCKWOOD SURVEY 1969
1969
SHELL 1963 DATA
ACQUIRED BY TRADE
HUNTING 1957
OVERLAND
UGC '68
JEFFERSON LA. PETR. CO.
PRECISION GEO. 'TRADE' '68
ACQUIRED FROM C.A.S.
UGC 1967
1967
AEROMAGNETIC
GRAVITY