

128°36'
57°02'

LEGEND

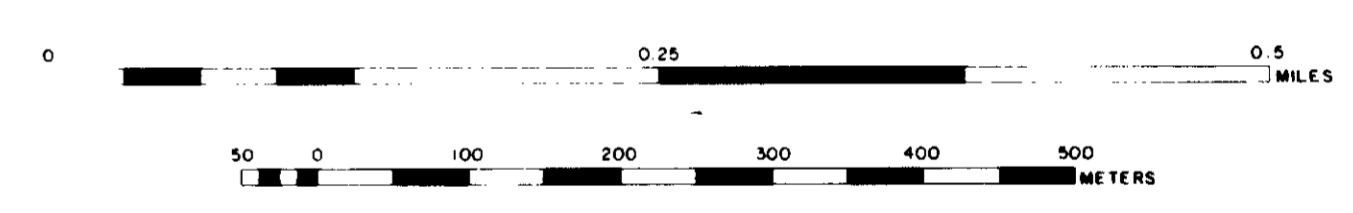
BUILDING	---	□
ROAD, HARD SURFACE	---	▬
LOOSE SURFACE	---	▬
CART TRACK	---	▬
TRAIL	---	▬
RAILROAD BED	---	▬
RIVER	---	▬
STREAM, DEFINITE	---	▬
APPROXIMATE	---	▬
SPLIT	---	▬
LAKE	---	▬
WATER LEVEL	---	EL. 900'
SWAMP	---	▬
BEAVER DAM	---	▬
TREE LINE	---	▬
CUT LINE	---	▬
CONTOURS, INDEX	---	1750
INTERMEDIATE	---	▬
DEPRESSION	---	▬
APPROXIMATE	---	▬
SPOT ELEVATION	---	1760
FORM LINES	---	▬
CUT/FILL	---	▬
FIELD CONTROL POINT	---	⊕
COAL LICENCE	---	⊕

NOTES

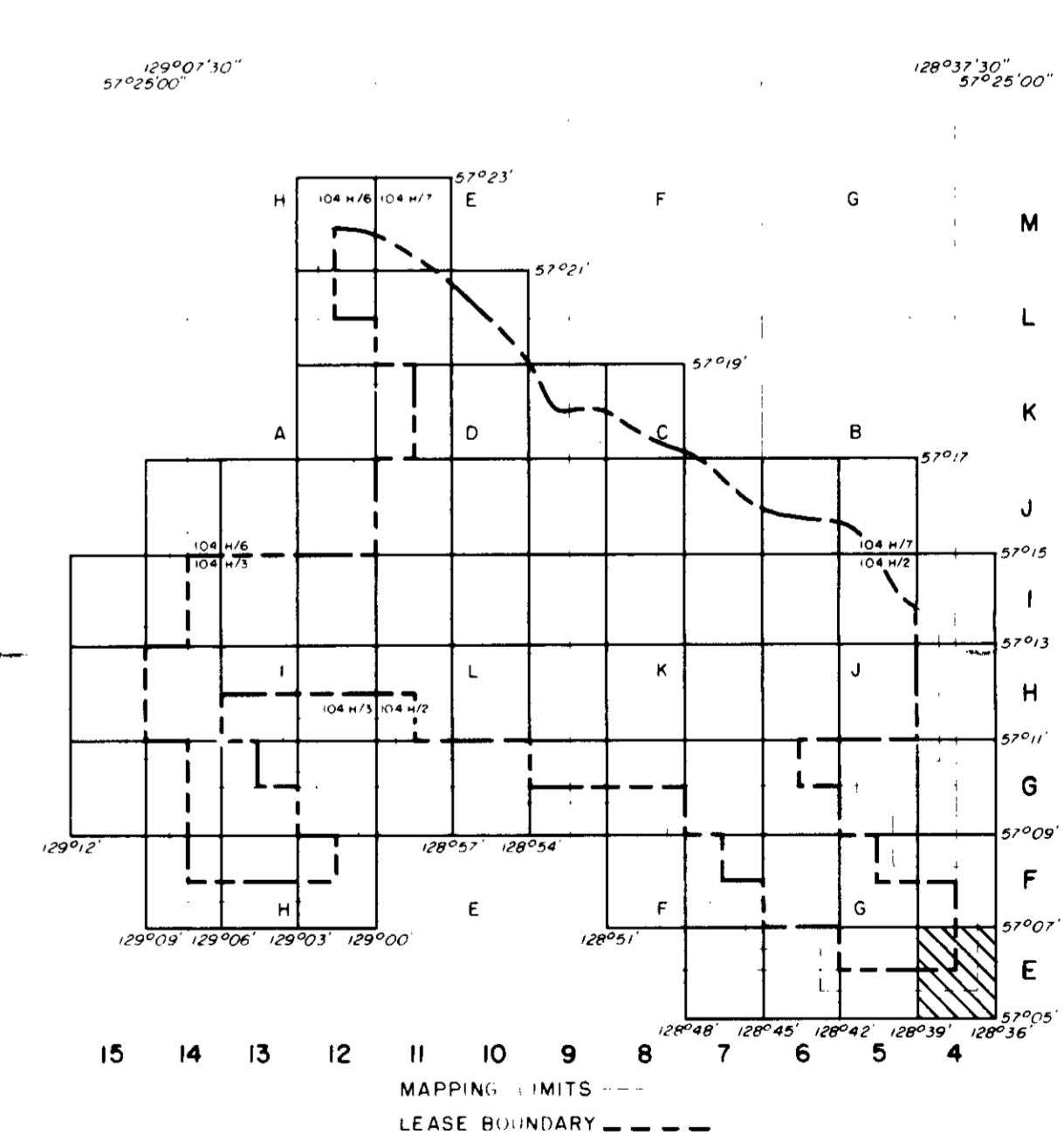
MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.
 CONTOUR INTERVAL = 10 M., WITH FORM LINES INTERVAL = 5 M.
 ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M. CONTOURS - ±5.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.
 SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.
 RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY
 COMPILED BY:
 WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD.,
 FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
 AT A SCALE OF 1:50,000 (APPROXIMATE).



SCALE 1:5,000



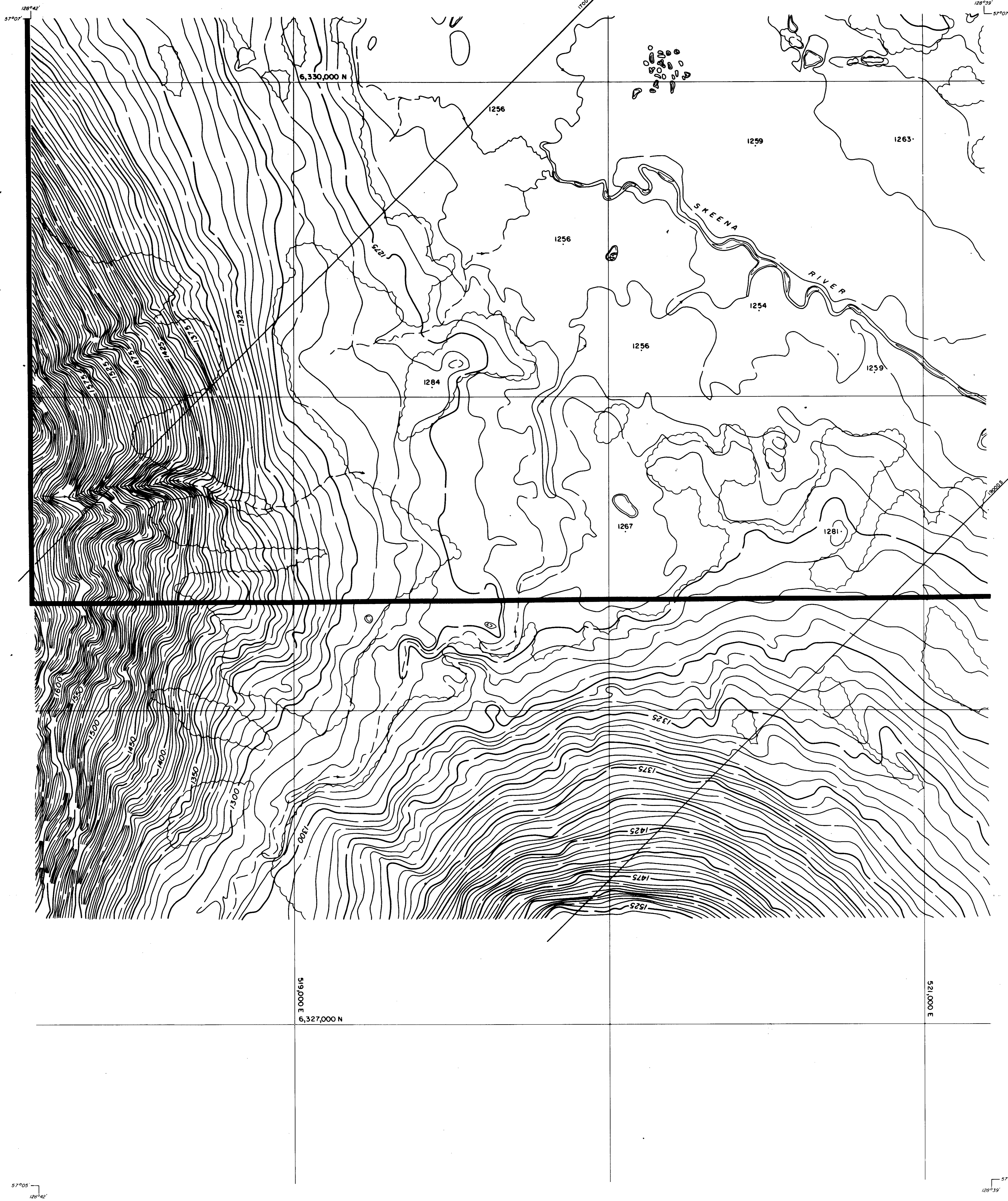
MT. KLAPPAN AREA
INDEX MAP



Ge. Mt. Klappan 38(2)A
GULF CANADA RESOURCES INC.
 Coal Division
 CALGARY ALBERTA

**MT. KLAPPAN COAL PROPERTY
 MAP SHEET E 4
 1983 TRENCH AND DRILL HOLE
 LOCATION MAP**

PREPARED BY: C. LOUIE SCALE 1:5000
 APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPWBST01



LEGEND

BUILDING	---	[Symbol]
ROAD, HARD SURFACE	---	[Symbol]
LOOSE SURFACE	---	[Symbol]
CART TRACK	---	[Symbol]
TRAIL	---	[Symbol]
RAILROAD BED	---	[Symbol]
RIVER	---	[Symbol]
STREAM, DEFINITE	---	[Symbol]
STREAM, APPROXIMATE	---	[Symbol]
SPLIT	---	[Symbol]
LAKE	---	[Symbol]
WATER LEVEL	---	[Symbol]
SWAMP	---	[Symbol]
BEAVER DAM	---	[Symbol]
TREE LINE	---	[Symbol]
CUT LINE	---	[Symbol]
CONTOURS, INDEX	---	[Symbol]
INTERMEDIATE	---	[Symbol]
DEPRESSION	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPOT ELEVATION	---	[Symbol]
FORM LINES	---	[Symbol]
CUT/FILL	---	[Symbol]
FIELD CONTROL POINT	---	[Symbol]
COAL LICENCE	---	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL: 10 M.; WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

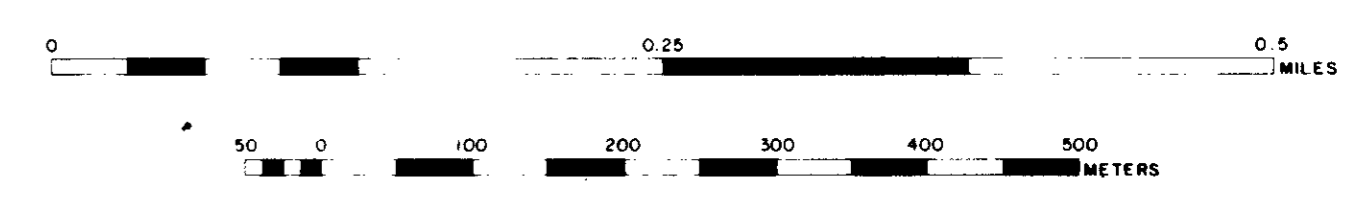
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

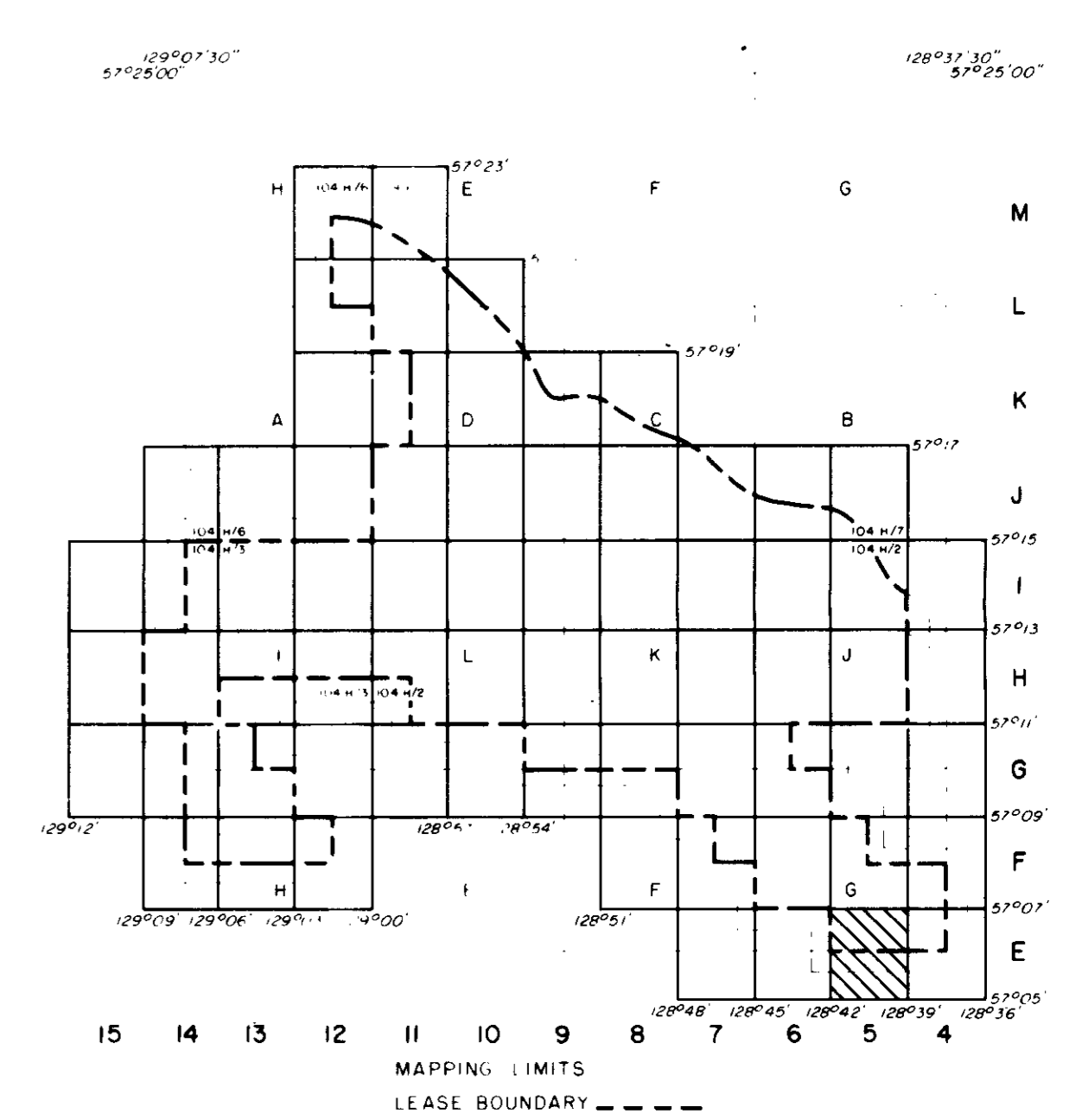
COMPILED BY: WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD MCELLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5000



MT. KLAPPAN AREA INDEX MAP

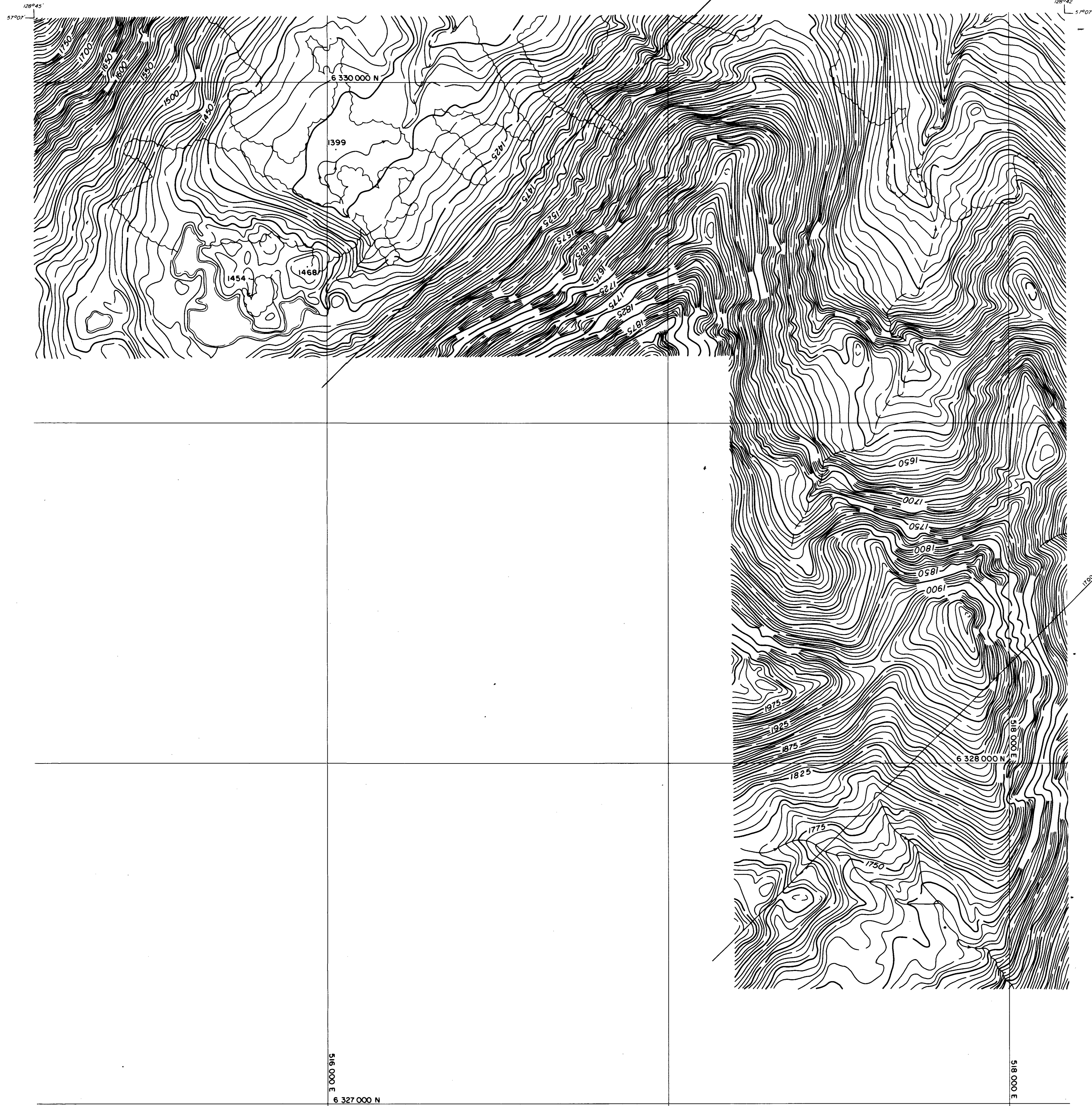


Gr. Mt. Klappan 83/129

GULF CANADA RESOURCES INC.
Coal Division

MT. KLAPPAN COAL PROPERTY
MAP SHEET E 5
1983 TRENCH AND DRILL HOLE
LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN83T02



LEGEND

BUILDING	---	---
ROAD, HARD SURFACE	---	---
LOOSE SURFACE	---	---
CART TRACK	---	---
TRAIL	---	---
RAILROAD BED	---	---
RIVER	---	---
STREAM, DEFINITE	---	---
APPROXIMATE	---	---
SPLIT	---	---
LAKE	---	---
WATER LEVEL	---	---
SWAMP	---	---
BEAVER DAM	---	---
TREE LINE	---	---
CUT LINE	---	---
CONTOURS, INDEX	---	---
INTERMEDIATE	---	---
DEPRESSION	---	---
APPROXIMATE	---	---
SPOT ELEVATION	---	---
FORM LINES	---	---
CUT/FILL	---	---
FIELD CONTROL POINT	---	---
COAL LICENCE	---	---

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES

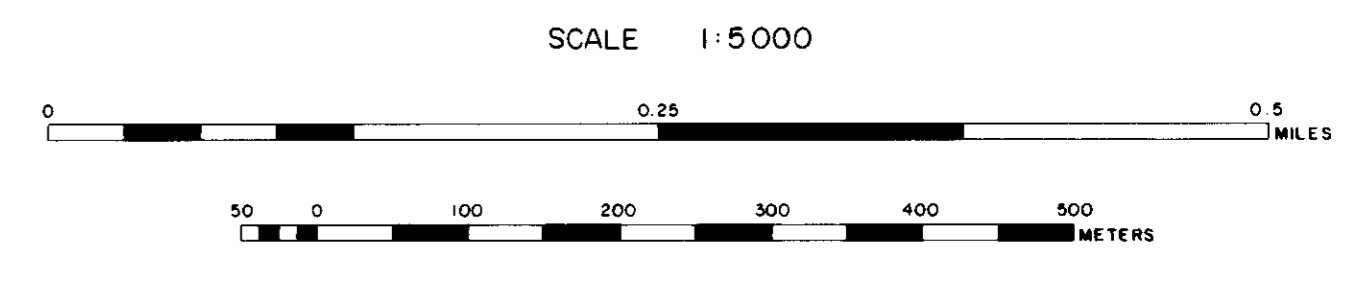
CONTOUR INTERVAL: 10 M., WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - ±5.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.

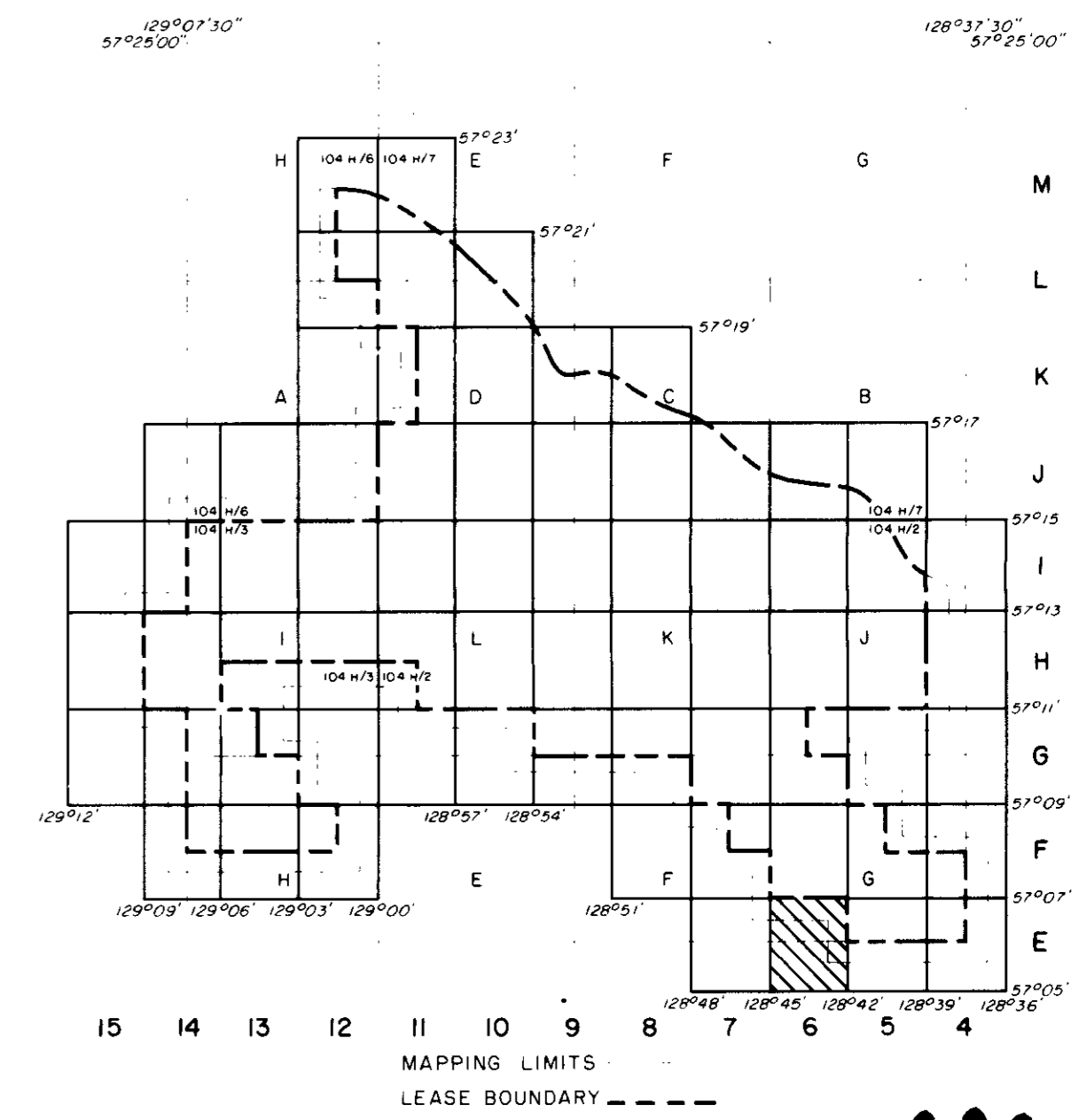
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

COMPILED BY: WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD MCELLEAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE).



MT. KLAPPAN AREA
INDEX MAP



CE-MT. KLAPPAN 83(2)A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

**MT. KLAPPAN COAL PROPERTY
MAP SHEET E 6
1983 TRENCH AND DRILL HOLE
LOCATION MAP**

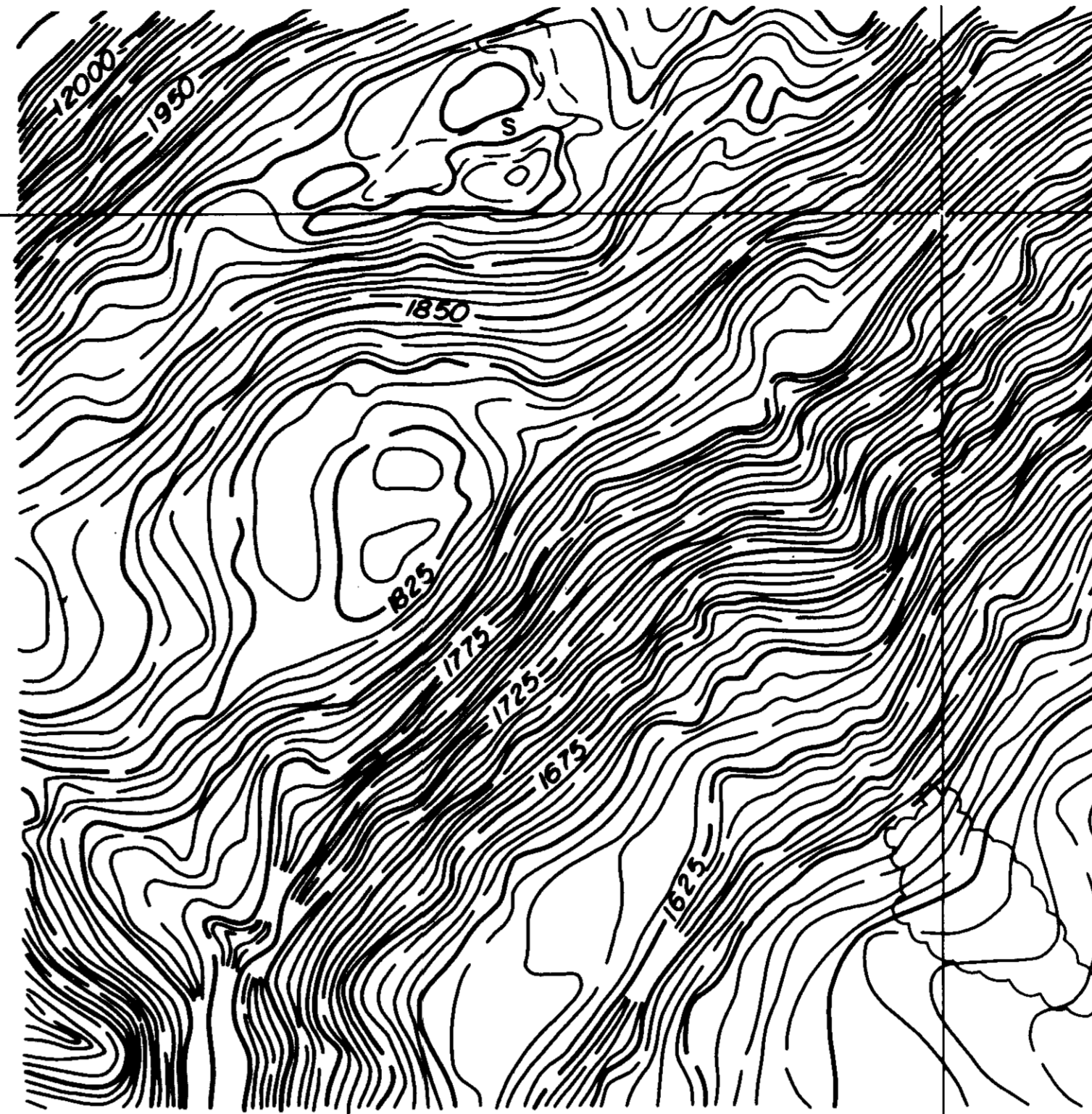
PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN83T03



126°46'
57°07'

126°45'
57°07'

6,330,000 N



LEGEND

BUILDING	---	[Symbol]
ROAD, HARD SURFACE	---	[Symbol]
ROAD, LOOSE SURFACE	---	[Symbol]
CART TRACK	---	[Symbol]
TRAIL	---	[Symbol]
RAILROAD BED	---	[Symbol]
RIVER	---	[Symbol]
STREAM, DEFINITE	---	[Symbol]
STREAM, APPROXIMATE	---	[Symbol]
LAKE	---	[Symbol]
WATER LEVEL	---	[Symbol]
SWAMP	---	[Symbol]
BEAVER DAM	---	[Symbol]
TREE LINE	---	[Symbol]
CUT LINE	---	[Symbol]
CONTOURS, INDEX	---	[Symbol]
CONTOURS, INTERMEDIATE	---	[Symbol]
CONTOURS, DEPRESSION	---	[Symbol]
CONTOURS, APPROXIMATE	---	[Symbol]
SPOT ELEVATION	---	[Symbol]
FORM LINES	---	[Symbol]
CUT/FILL	---	[Symbol]
FIELD CONTROL POINT	---	[Symbol]
COAL LICENCE	---	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL: 10 M, WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OBSERVED BY TREES OR VEGETATION.

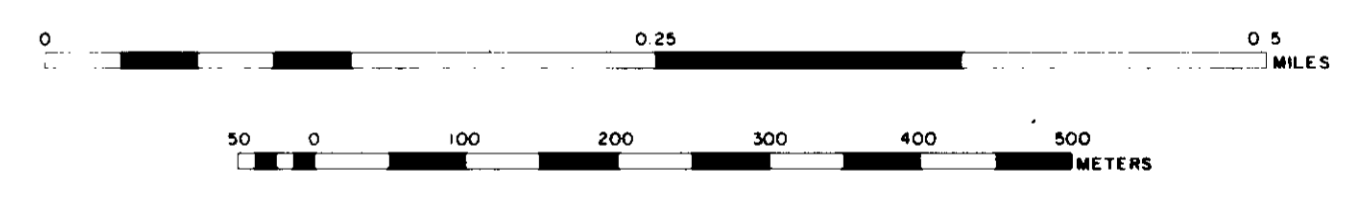
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

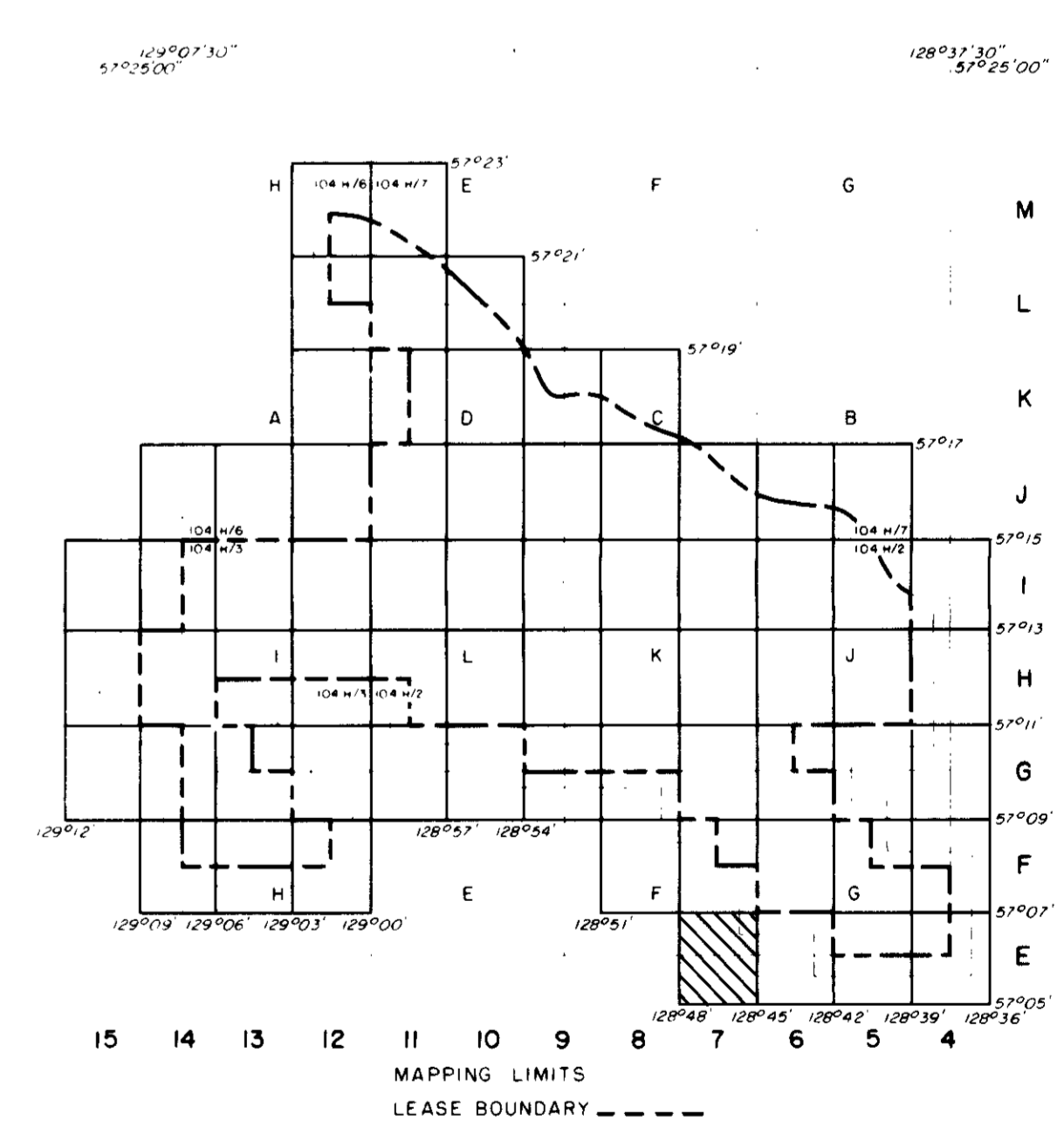
COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD.,
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5000



MT. KLAPPAN AREA
INDEX MAP



513,000 E
6,327,000 N

515,000 E

Ge. Mt. Klappan 83(2)A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET E 7
1983 TRENCH AND DRILL HOLE
LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN83T04

57°05'
126°46'

57°05'
126°45'

128°36'
57°09'

128°36'
57°09'

LEGEND

BUILDING	---	---
ROAD, HARD SURFACE	---	---
ROAD, LOOSE SURFACE	---	---
CART TRACK	---	---
TRAIL	---	---
RAILROAD BED	---	---
RIVER	---	---
STREAM, DEFINITE	---	---
STREAM, APPROXIMATE	---	---
LAKE	---	---
WATER LEVEL	---	---
SWAMP	---	---
BEAVER DAM	---	---
TREE LINE	---	---
CUT LINE	---	---
CONTOURS, INDEX	---	---
CONTOURS, INTERMEDIATE	---	---
CONTOURS, APPROXIMATE	---	---
SPOT ELEVATION	---	---
FORM LINES	---	---
CUT/FILL	---	---
FIELD CONTROL POINT	---	---
COAL LICENCE	---	---

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES

CONTOUR INTERVAL: 10 M, WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

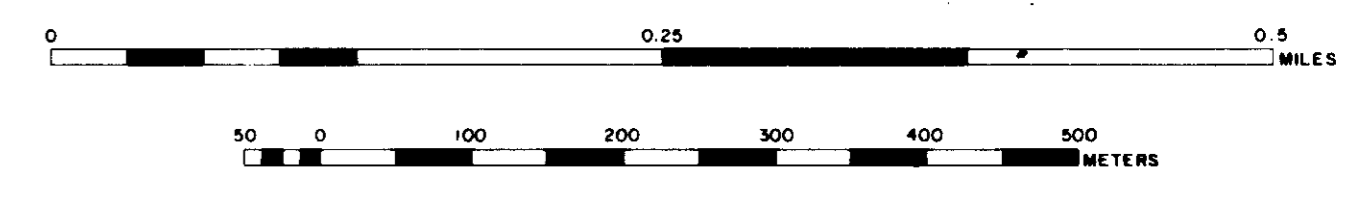
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

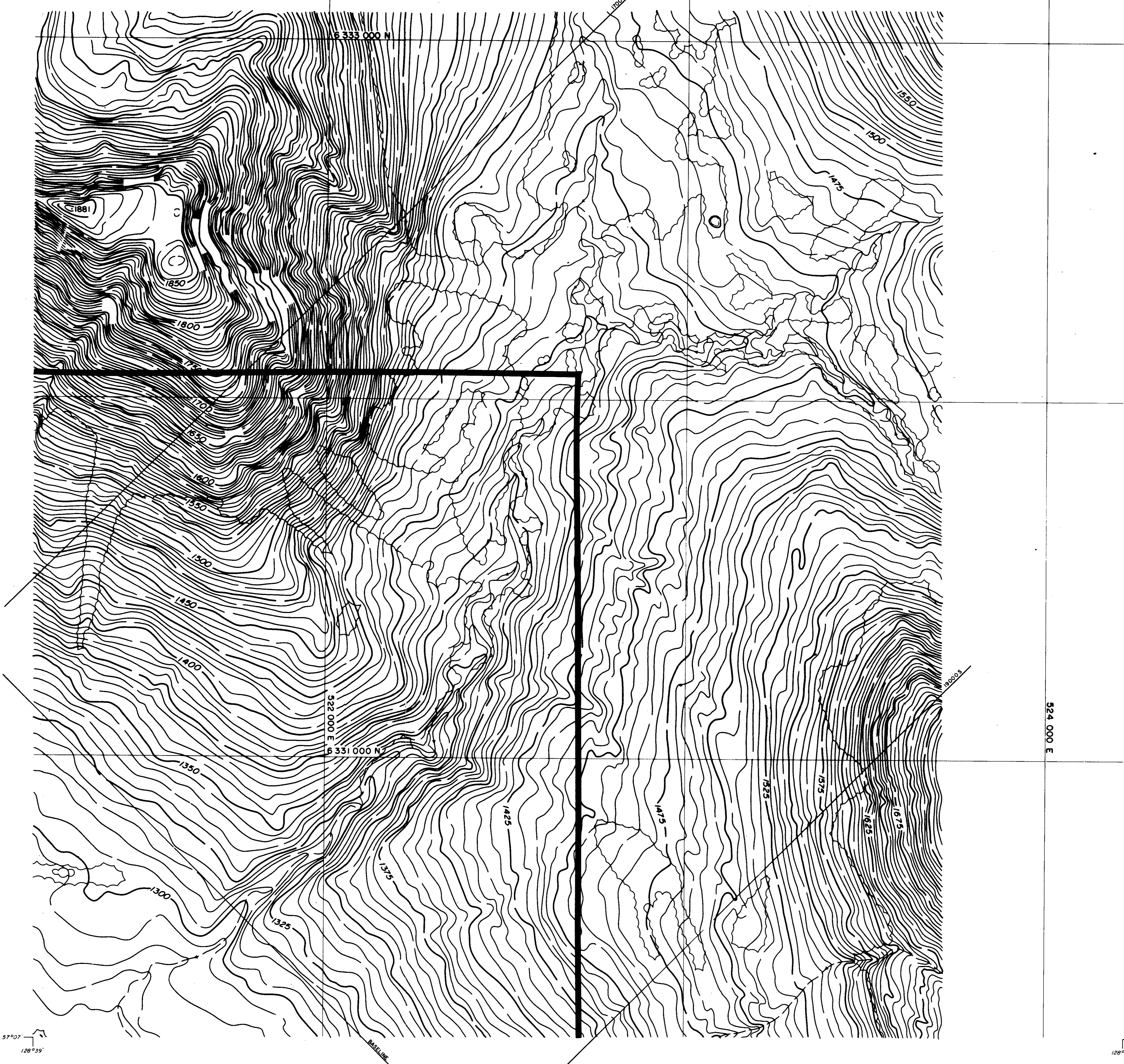
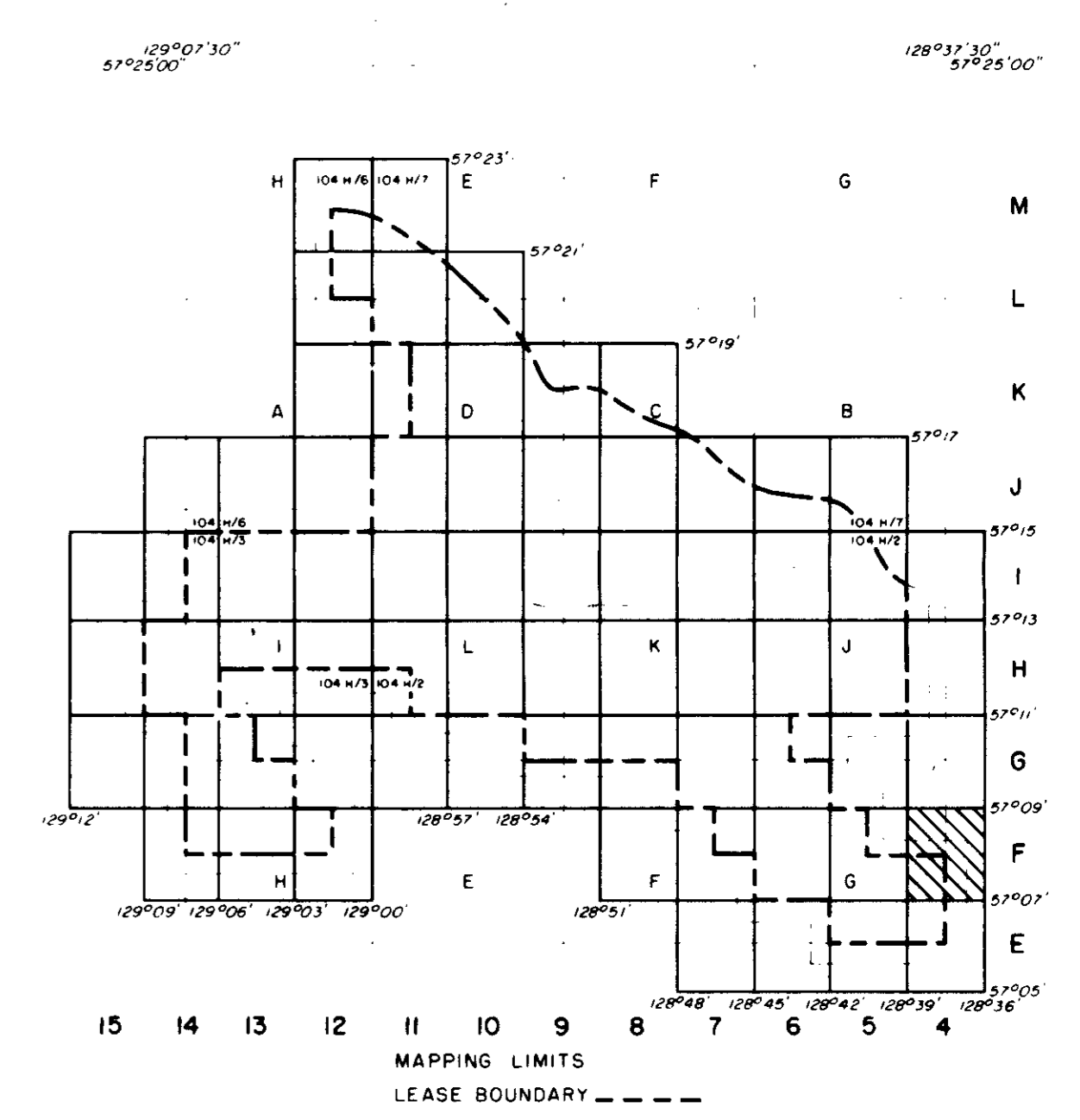
COMPILED BY: WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD. FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5000



MT. KLAPPAN AREA INDEX MAP



57°07'
128°36'

57°07'
128°36'

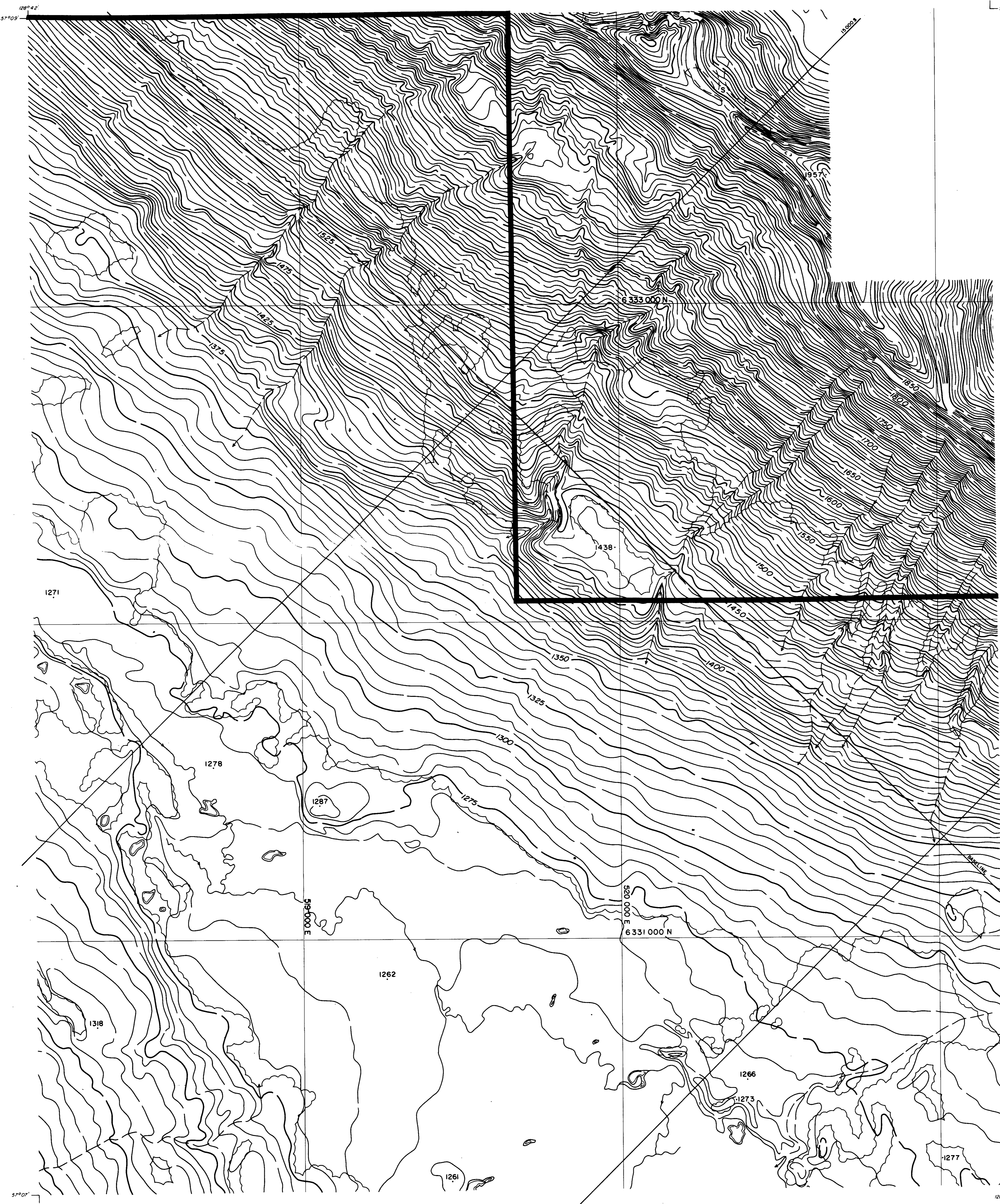
Ge. Mt. Klappan 83(2)A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET F 4
1983 TRENCH AND DRILL HOLE LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN 83T05



LEGEND

BUILDING	---
ROAD, HARD SURFACE	---
LOOSE SURFACE	---
CART TRACK	---
TRAIL	---
RAILROAD BED	---
RIVER	---
STREAM, DEFINITE	---
APPROXIMATE	---
SPLIT	---
LAKE	---
WATER LEVEL	---
SWAMP	---
BEAVER DAM	---
TREE LINE	---
CUT LINE	---
CONTOURS, INDEX	---
INTERMEDIATE	---
DEPRESSION	---
APPROXIMATE	---
SPOT ELEVATION	---
FORM LINES	---
CUT/FILL	---
FIELD CONTROL POINT	---
COAL LICENCE	---

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

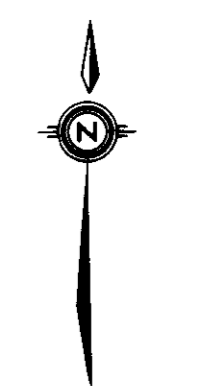
CONTOUR INTERVAL: 10 M, WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - ±5.0 METERS FOR GROUND NOT OBTURSCURED BY TREES OR VEGETATION.

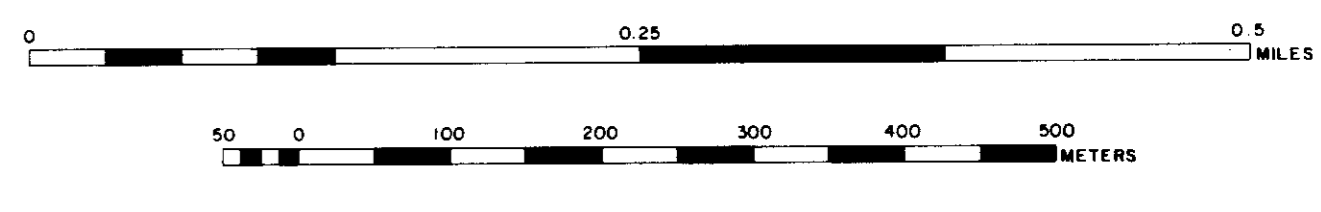
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

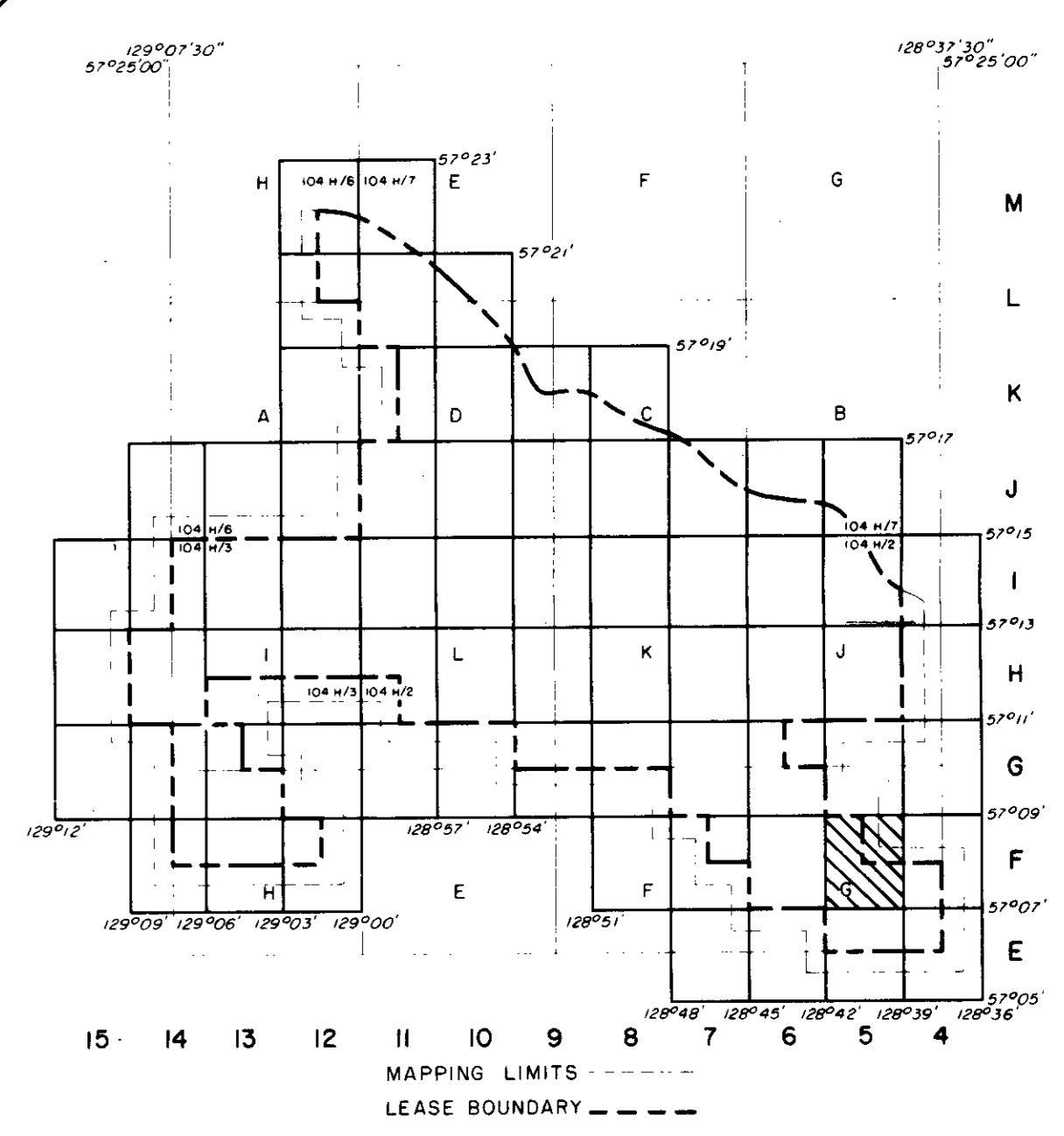
COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5 000



MT. KLAPPAN AREA INDEX MAP

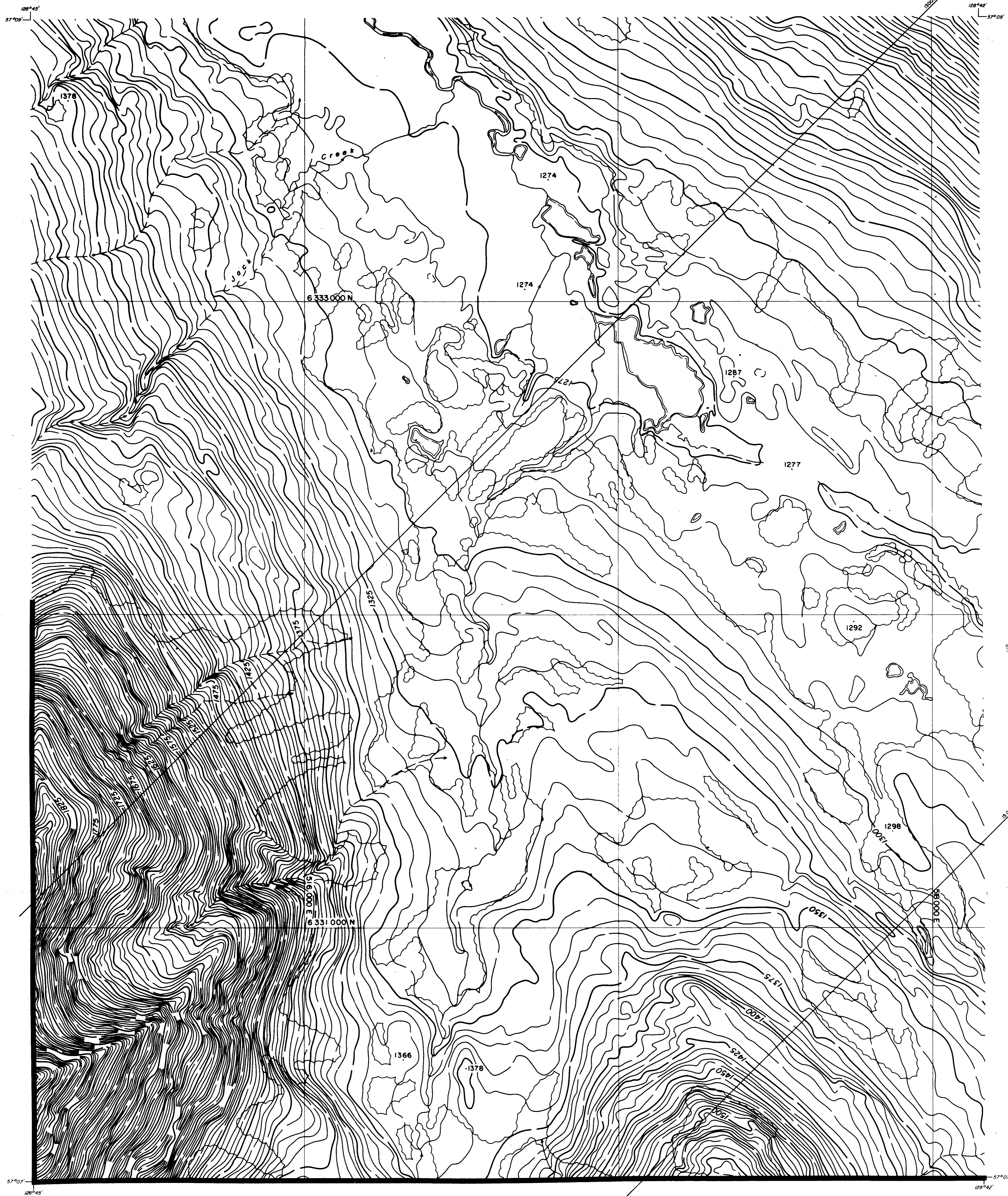


Ge - Mt. Klappan 83(2)A

GULF CANADA RESOURCES INC.
 Coal Division
 CALGARY ALBERTA

**MT. KLAPPAN COAL PROPERTY
 MAP SHEET F-5
 1983 TRENCH AND DRILL HOLE
 LOCATION MAP**

PREPARED BY: C. LOUIE SCALE 1:5000
 APPROVED BY: C. WILLIAMS DATE: JAN. 1984 DRAWING No. KPN83T06



LEGEND

BUILDING	[Symbol]
ROAD, HARD SURFACE	[Symbol]
ROAD, LOOSE SURFACE	[Symbol]
CART TRACK	[Symbol]
TRAIL	[Symbol]
RAILROAD BED	[Symbol]
RIVER	[Symbol]
STREAM, DEFINITE	[Symbol]
STREAM, APPROXIMATE	[Symbol]
SPLIT	[Symbol]
LAKE	[Symbol]
WATER LEVEL	[Symbol]
SWAMP	[Symbol]
BEAVER DAM	[Symbol]
TREE LINE	[Symbol]
CUT LINE	[Symbol]
CONTOURS, INDEX	[Symbol]
CONTOURS, INTERMEDIATE	[Symbol]
CONTOURS, DEPRESSION	[Symbol]
CONTOURS, APPROXIMATE	[Symbol]
SPOT ELEVATION	[Symbol]
FORM LINES	[Symbol]
CUT/FILL	[Symbol]
FIELD CONTROL POINT	[Symbol]
COAL LICENCE	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

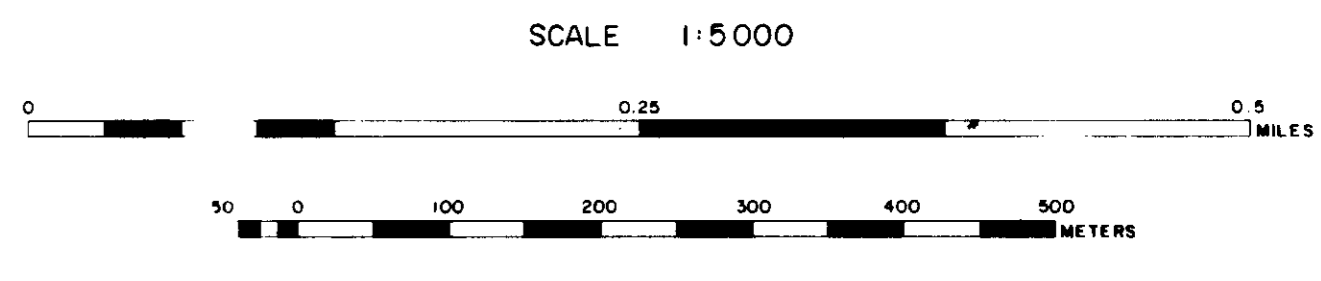
CONTOUR INTERVAL: 10 M, WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.

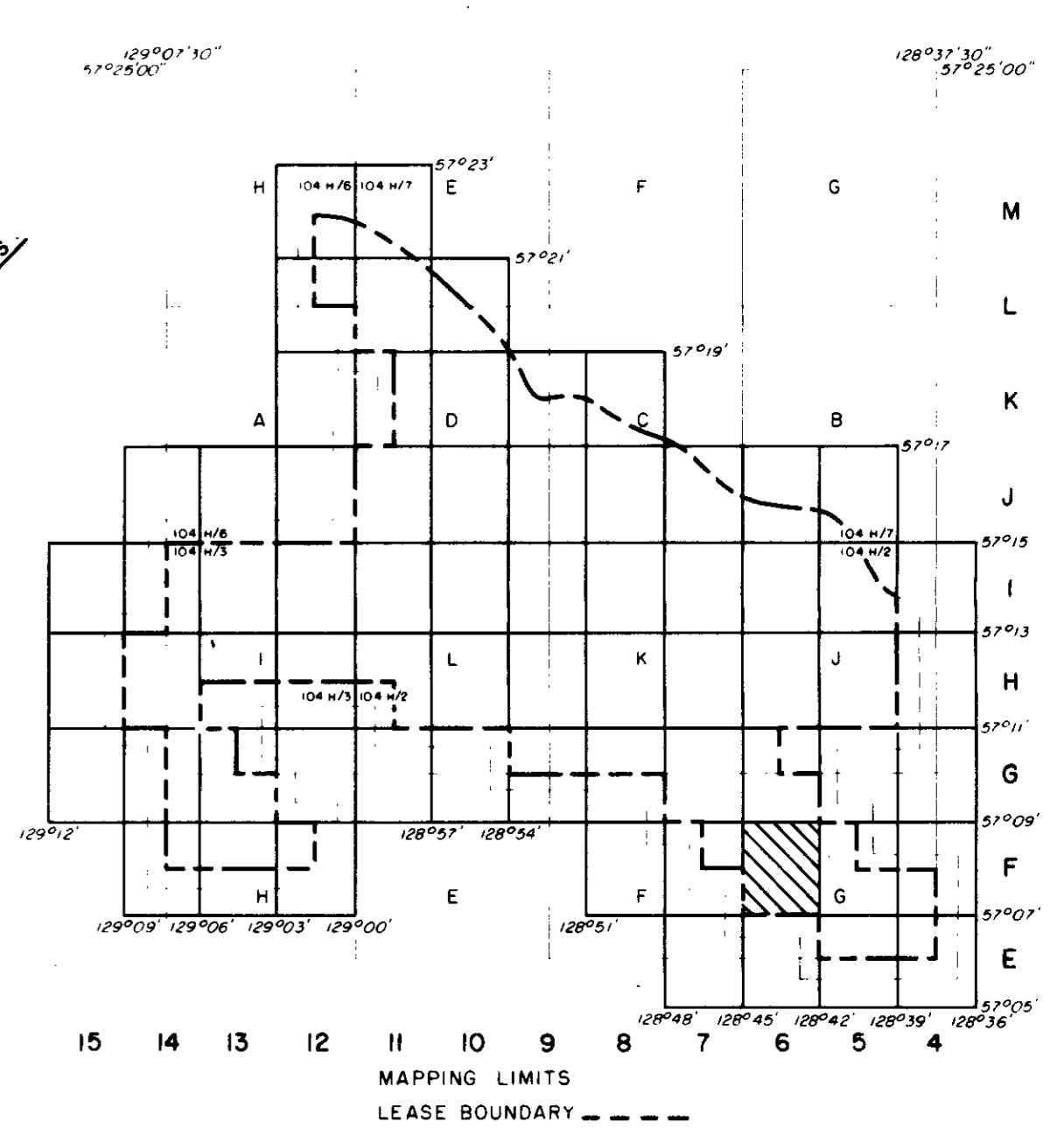
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

COMPILED BY: WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:50,000 (APPROXIMATE).



**MT. KLAPPAN AREA
INDEX MAP**



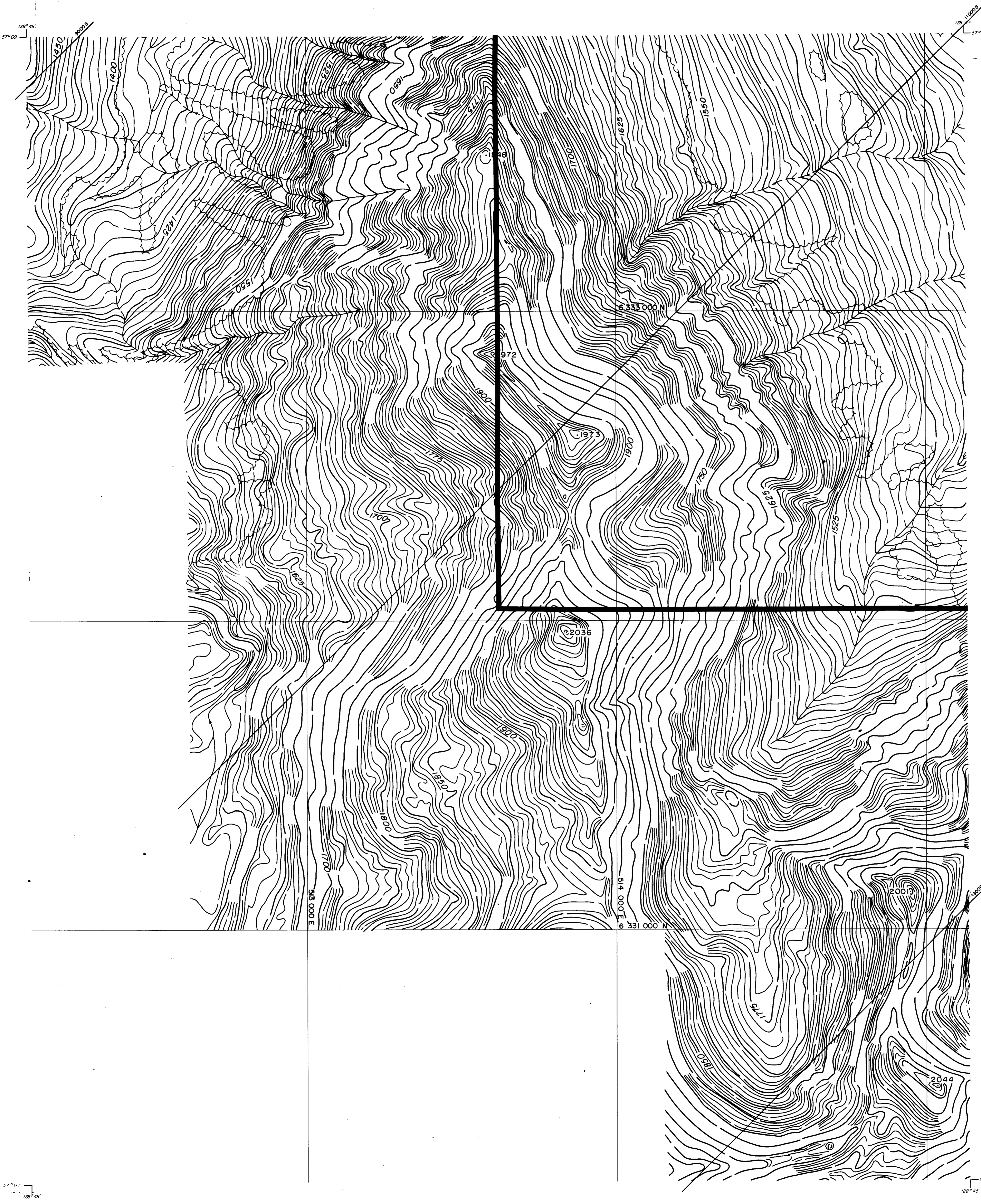
Ge - Mt Klappan 83/219

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

**MT. KLAPPAN COAL PROPERTY
MAP SHEET F 6
1983 TRENCH AND DRILL HOLE
LOCATION MAP**

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN 83T07



LEGEND

BUILDING	---	---
ROAD, HARD SURFACE	---	---
ROAD, LOOSE SURFACE	---	---
RAILROAD TRACK	---	---
RAILROAD BED	---	---
RIVER	---	---
STREAM, DEFINITE	---	---
STREAM, APPROXIMATE	---	---
LAKE	---	---
WATER LEVEL	---	---
SWAMP	---	---
BEAVER DAM	---	---
TREE LINE	---	---
CUT LINE	---	---
CONTOURS, INDEX	---	---
CONTOURS, INTERMEDIATE	---	---
CONTOURS, APPROXIMATE	---	---
SPOT ELEVATION	---	---
FORM LINES	---	---
CUT/FILL	---	---
FIELD CONTROL POINT	---	---
COAL LICENCE	---	---

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL = 10 M., WITH FORM LINES INTERVAL = 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OBSERVED BY TREES OR VEGETATION.

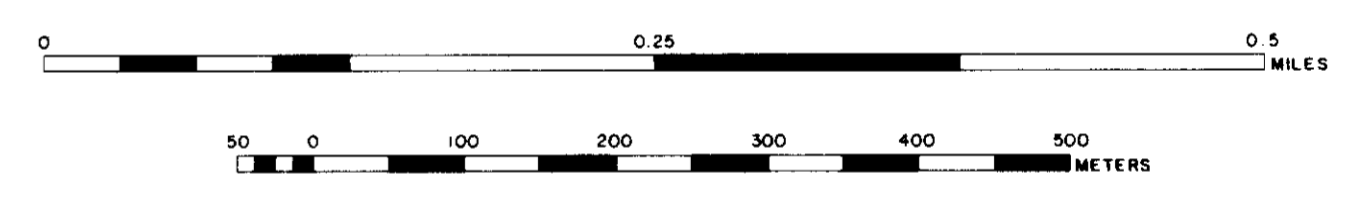
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

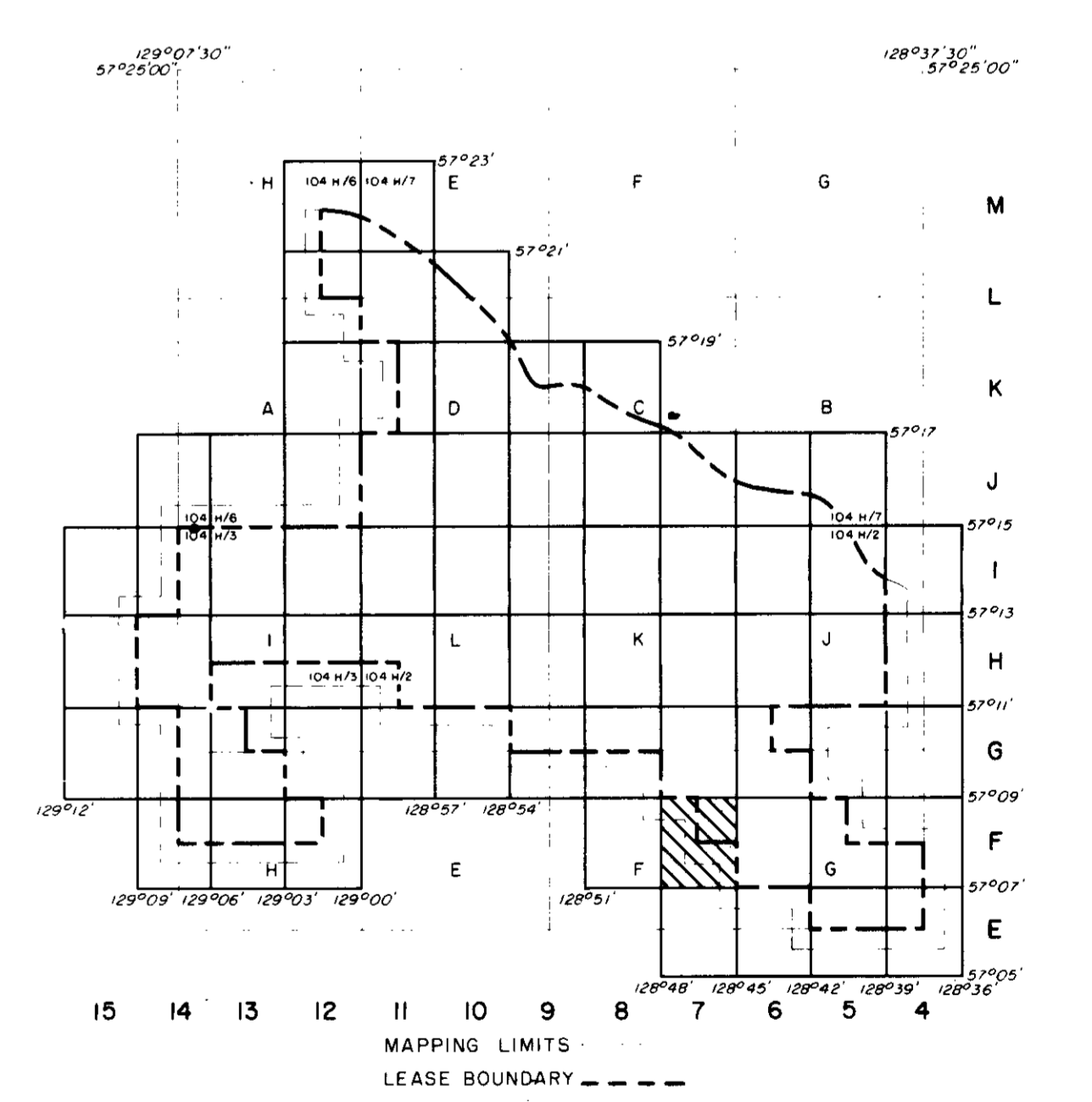
COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5000



MT. KLAPPAN AREA INDEX MAP



Ge. Mt. Klappan 83(2)A

GULF CANADA RESOURCES INC.
Coal Division

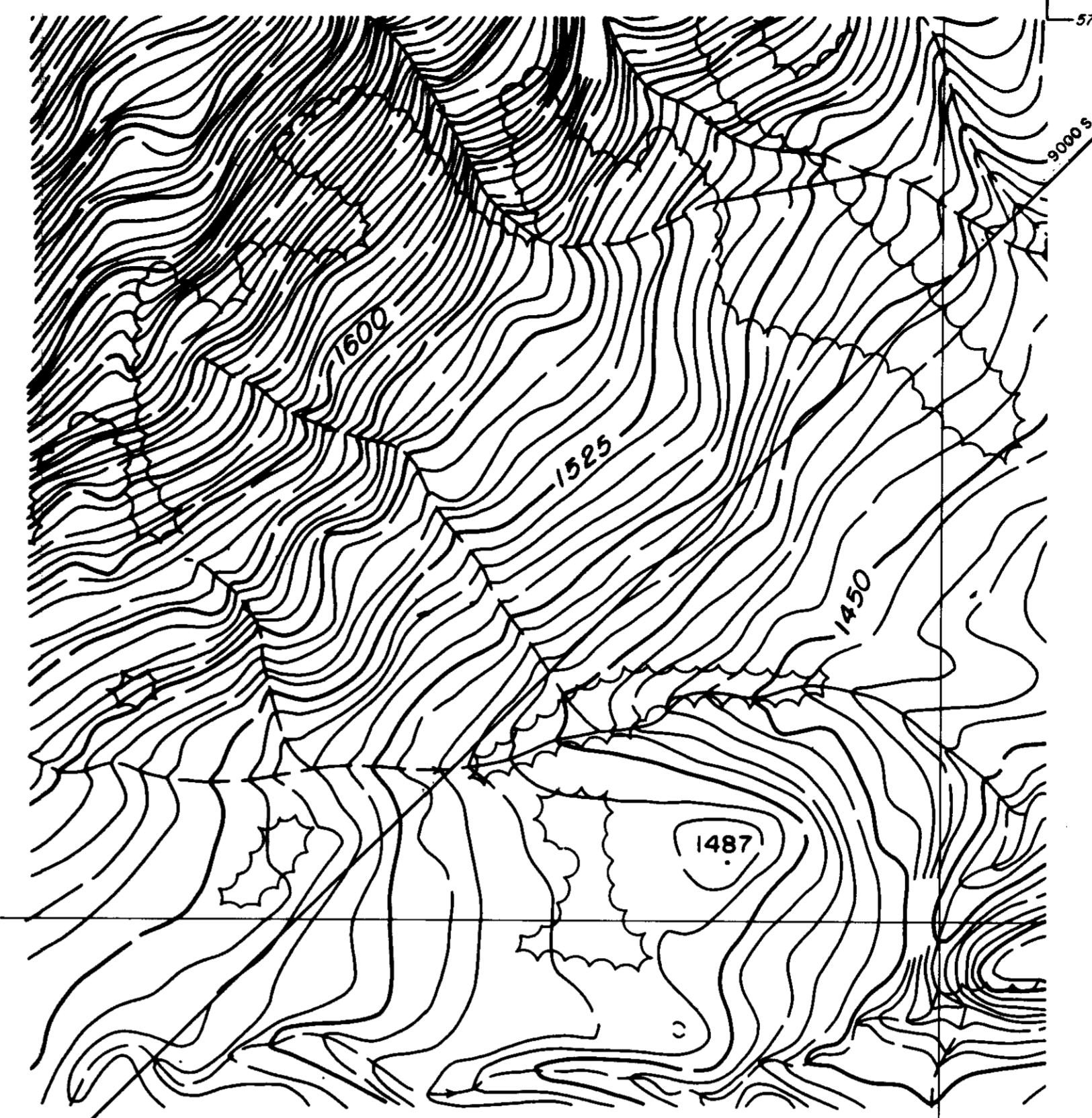
CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET F 7
1983 TRENCH AND DRILL HOLE LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN 83108

126°51'
57°05'

126°48'
57°05'



LEGEND

BUILDING	---	[Symbol]
ROAD, HARD SURFACE	---	[Symbol]
LOOSE SURFACE	---	[Symbol]
CART TRACK	---	[Symbol]
TRAIL	---	[Symbol]
RAILROAD BED	---	[Symbol]
RIVER	---	[Symbol]
STREAM, DEFINITE	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPLIT	---	[Symbol]
LAKE	---	[Symbol]
WATER LEVEL	---	[Symbol]
SWAMP	---	[Symbol]
BEAVER DAM	---	[Symbol]
TREE LINE	---	[Symbol]
CUT LINE	---	[Symbol]
CONTOURS, INDEX	---	[Symbol]
INTERMEDIATE	---	[Symbol]
DEPRESSION	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPOT ELEVATION	---	[Symbol]
FORM LINES	---	[Symbol]
CUT/FILL	---	[Symbol]
FIELD CONTROL POINT	---	[Symbol]
COAL LICENCE	---	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL: 10 M.; WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

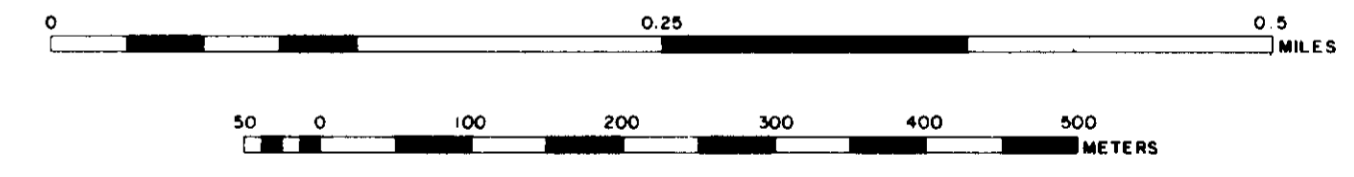
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

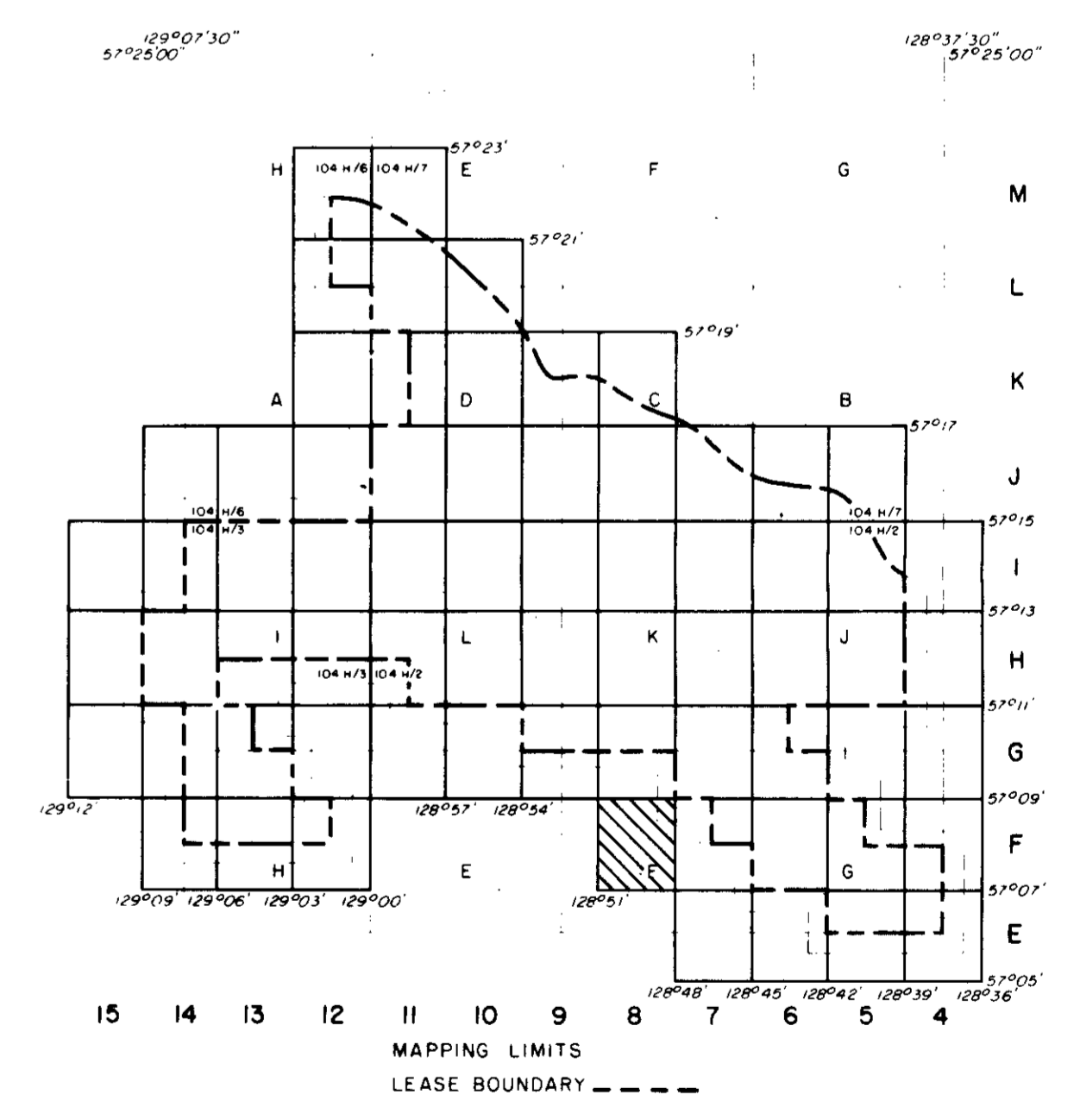
COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD.,
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5000



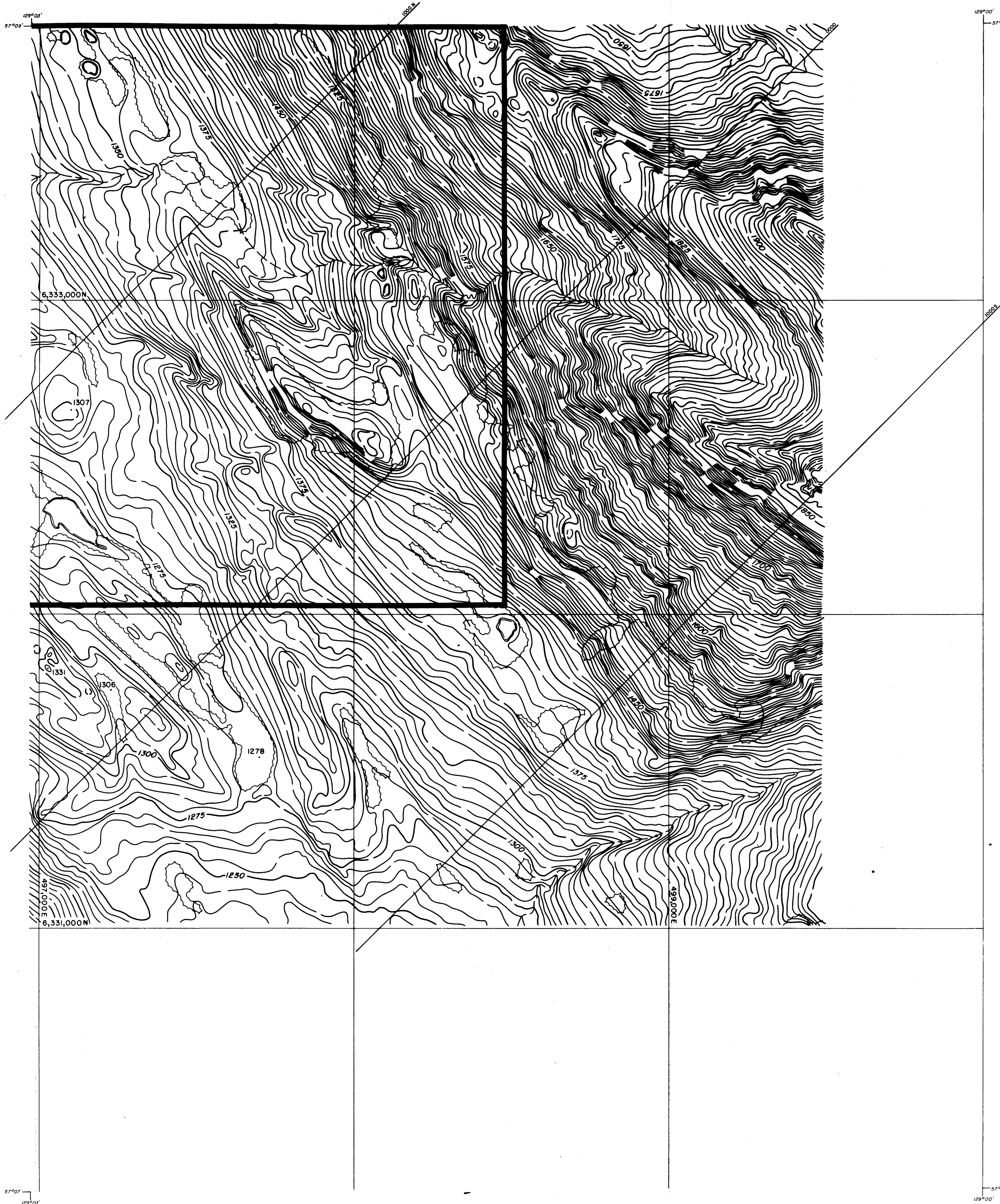
MT. KLAPPAN AREA
INDEX MAP



GR. MT. Klappan 83/2A
GULF CANADA RESOURCES INC.
 Coal Division
 CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET F 8
1983 TRENCH AND DRILL HOLE
LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
 APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN 83T08



LEGEND

BUILDING	[Symbol]
ROAD, HARD SURFACE	[Symbol]
LOOSE SURFACE	[Symbol]
CART TRACK	[Symbol]
TRAIL	[Symbol]
RAILROAD BED	[Symbol]
RIVER	[Symbol]
STREAM, DEFINITE	[Symbol]
APPROXIMATE	[Symbol]
SPLIT	[Symbol]
LAKE	[Symbol]
WATER LEVEL	[Symbol] FL 508'
SWAMP	[Symbol]
BEAVER DAM	[Symbol]
TREE LINE	[Symbol]
CUT LINE	[Symbol]
CONTOURS, INDEX	[Symbol] 1750
INTERMEDIATE	[Symbol]
DEPRESSION	[Symbol]
APPROXIMATE	[Symbol]
SPOT ELEVATION	[Symbol] 168
FORM LINES	[Symbol]
CUT/FILL	[Symbol]
FIELD CONTROL POINT	[Symbol] CP 18
COAL LICENCE	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL - 10 M., WITH FORM LINES INTERVAL - 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OBSERVED BY TREES OR VEGETATION.

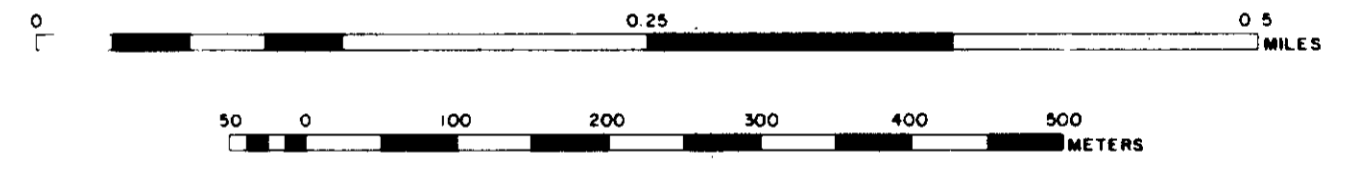
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT/82 AERIAL PHOTOGRAPHY

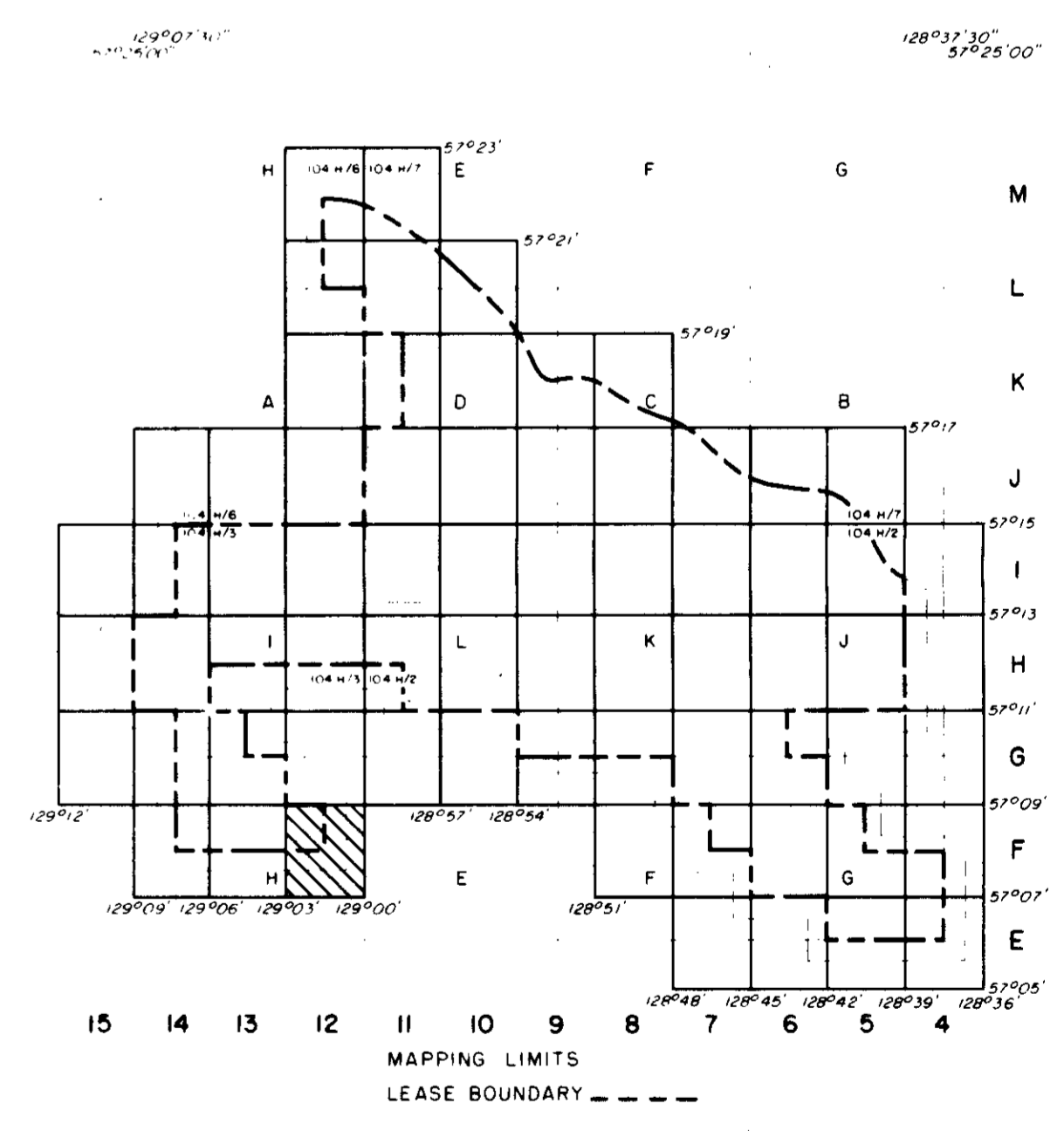
COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:80,000 (APPROXIMATE).



SCALE 1:5,000



MT. KLAPPAN AREA INDEX MAP



Ge-Mt. Klappan 83(2)A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET F 12
1983 TRENCH AND DRILL HOLE LOCATION MAP

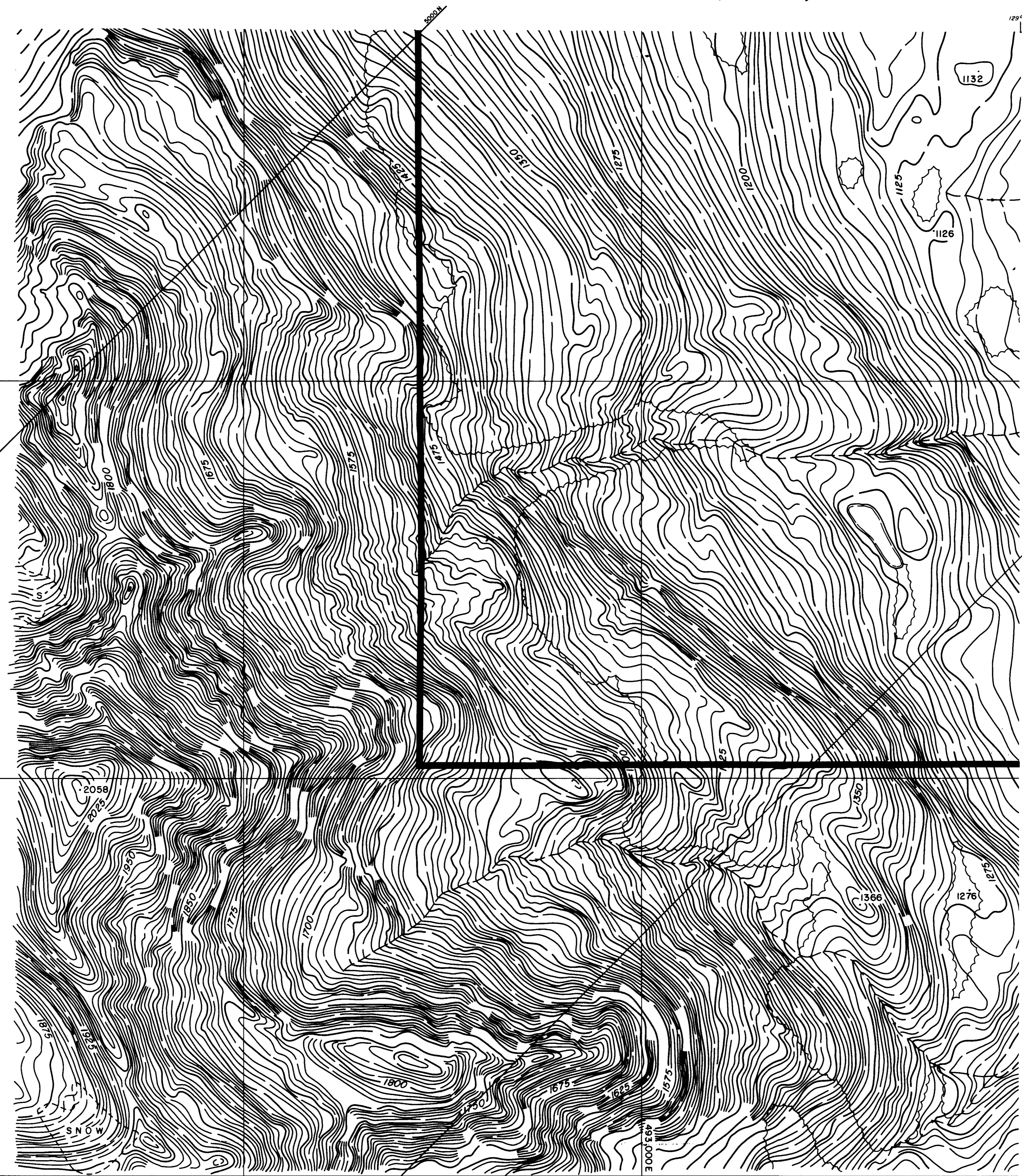
PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN 83710

129°09'
57°09'

129°06'
57°09'

6,333,000N

491,000E
6,331,000N



LEGEND

BUILDING	---	[Symbol]
ROAD, HARD SURFACE	---	[Symbol]
LOOSE SURFACE	---	[Symbol]
CART TRACK	---	[Symbol]
TRAIL	---	[Symbol]
RAILROAD BED	---	[Symbol]
RIVER	---	[Symbol]
STREAM, DEFINITE	---	[Symbol]
STREAM, APPROXIMATE	---	[Symbol]
LAKE	---	[Symbol]
WATER LEVEL	---	[Symbol]
SWAMP	---	[Symbol]
BEAVER DAM	---	[Symbol]
TREE LINE	---	[Symbol]
CUT LINE	---	[Symbol]
CONTOURS, INDEX	---	[Symbol]
INTERMEDIATE	---	[Symbol]
DEPRESSION	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPOT ELEVATION	---	[Symbol]
FORM LINES	---	[Symbol]
CUT/FILL	---	[Symbol]
FIELD CONTROL POINT	---	[Symbol]
COAL LICENCE	---	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL: 10 M, WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OBSERVED BY TREES OR VEGETATION.

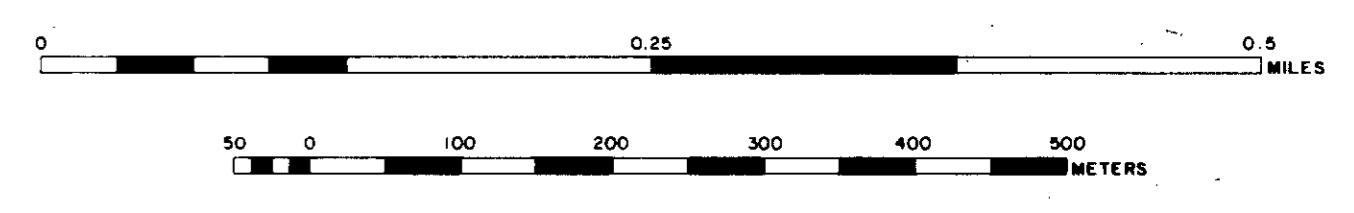
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

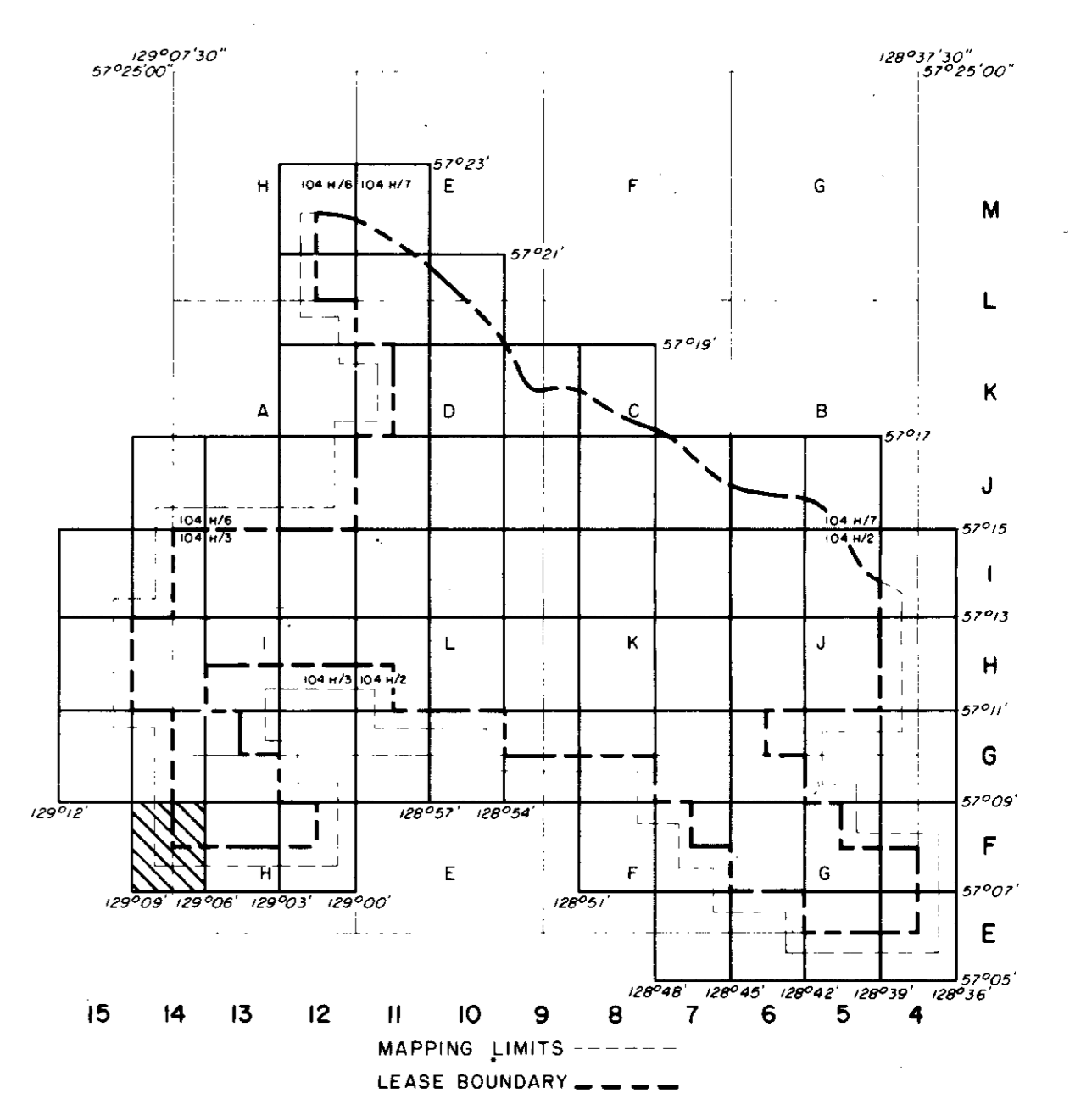
COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD MCELLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5,000



MT. KLAPPAN AREA INDEX MAP



GR. MT. KLAPPAN 83(2)A
GULF CANADA RESOURCES INC.
 Coal Division
 CALGARY ALBERTA

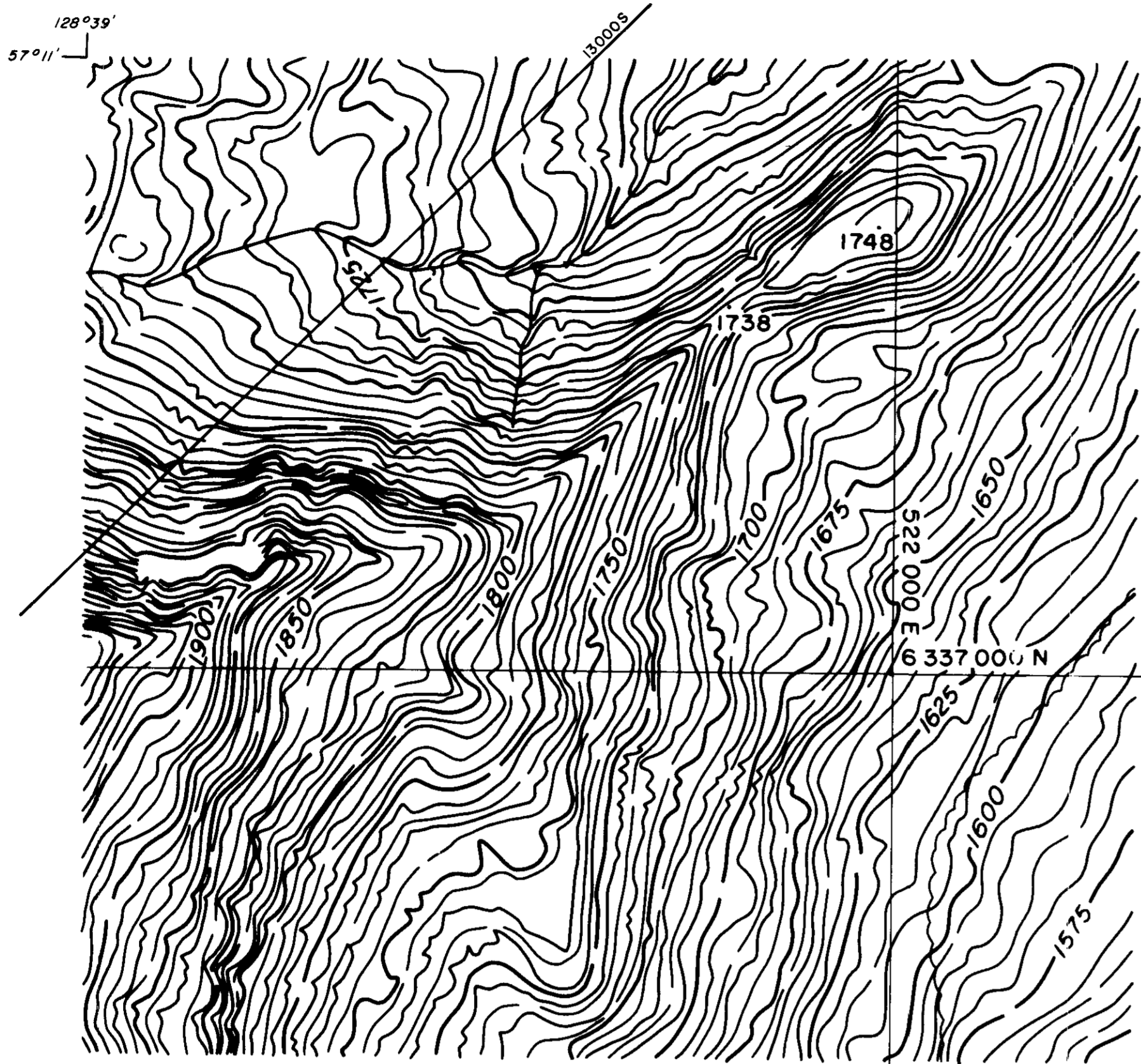


MT. KLAPPAN COAL PROPERTY
MAP SHEET F14
1983 TRENCH AND DRILL HOLE
LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5,000
 APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN 83T 12

57°07'
129°09'

57°07'
129°06'



128°36'
57°11'

LEGEND

BUILDING	---	
ROAD, HARD SURFACE	---	
LOOSE SURFACE	---	
CART TRACK	---	
TRAIL	---	
RAILROAD BED	---	
RIVER	---	
STREAM, DEFINITE	---	
APPROXIMATE	---	
SPLIT	---	
LAKE	---	
WATER LEVEL	---	
SWAMP	---	
BEAVER DAM	---	
TREE LINE	---	
CUT LINE	---	
CONTOURS, INDEX	---	
INTERMEDIATE	---	
DEPRESSION	---	
APPROXIMATE	---	
SPOT ELEVATION	---	
FORM LINES	---	
CUT/FILL	---	
FIELD CONTROL POINT	---	
COAL LICENCE	---	

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL: 10 M, WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 45.0 METERS FOR GROUND NOT OBSERVED BY TREES OR VEGETATION.

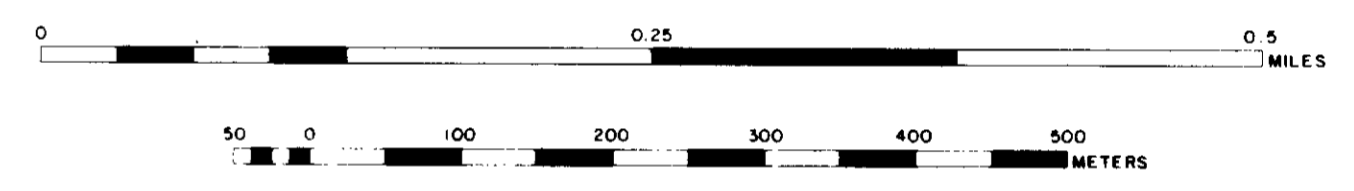
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

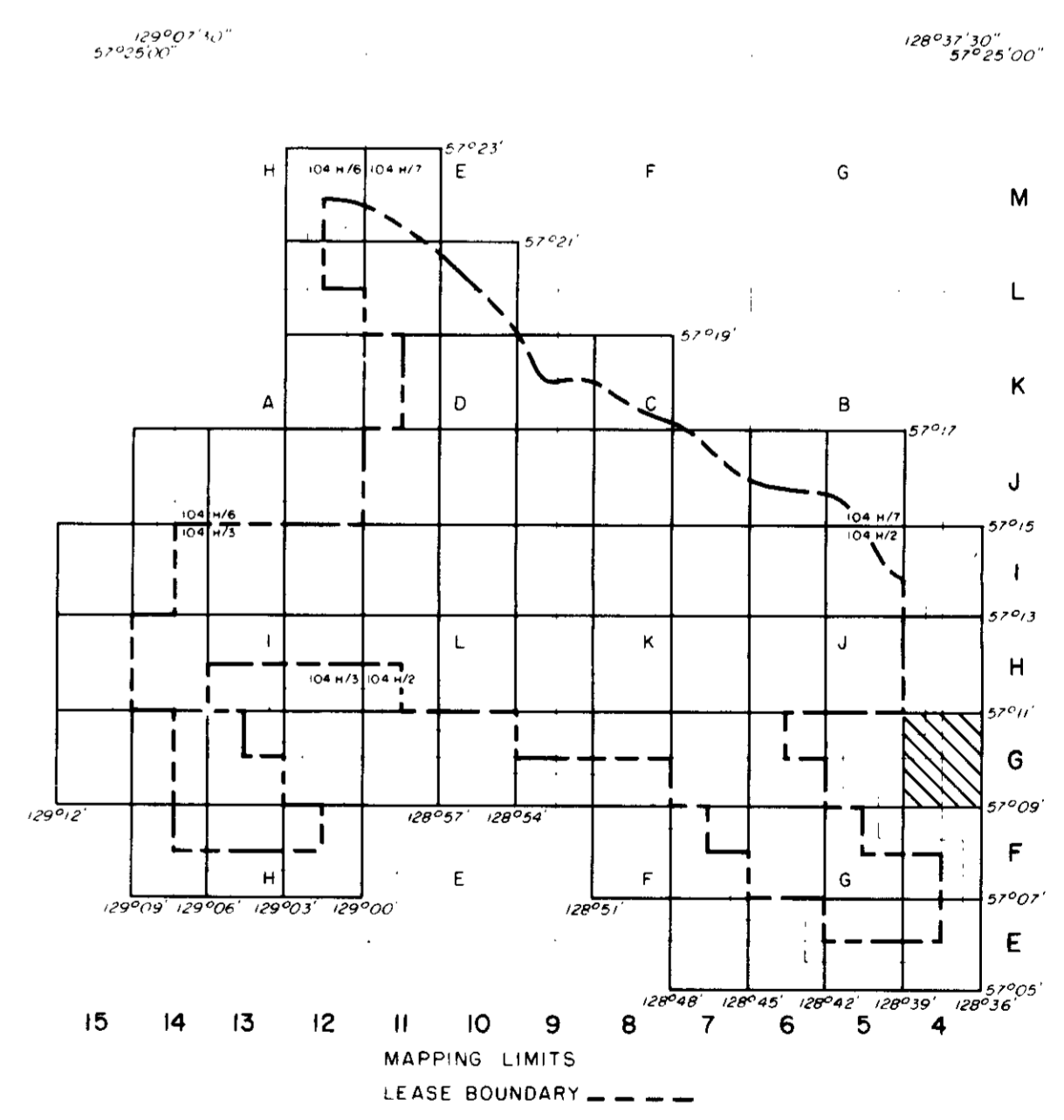
COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5,000



MT. KLAPPAN AREA INDEX MAP



Gr. Mt. Klappan 83(2)A

GULF CANADA RESOURCES INC.
Coal Division
CALGARY ALBERTA

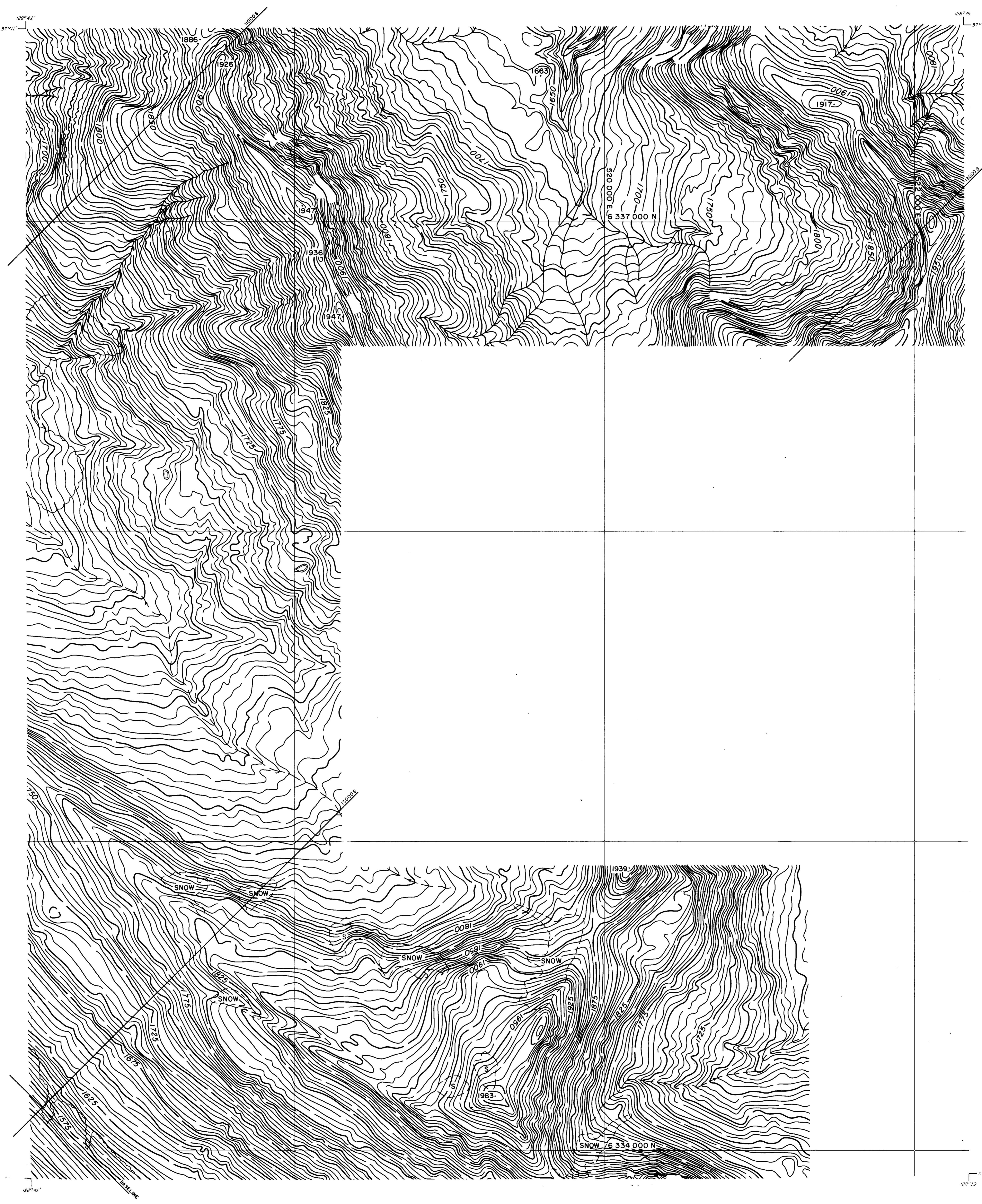
MT. KLAPPAN COAL PROPERTY
MAP SHEET G 4
1983 TRENCH AND DRILL HOLE LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN., 1984 DRAWING No. KPN83T13

57°09'
128°39'

6 334 000 N

57°09'
128°36'



LEGEND

BUILDING	---	---
ROAD, HARD SURFACE	---	---
LOOSE SURFACE	---	---
CART TRACK	---	---
TRAIL	---	---
RAILROAD BED	---	---
RIVER	---	---
STREAM, DEFINITE	---	---
APPROXIMATE	---	---
SPLIT	---	---
LAKE	---	---
WATER LEVEL	---	---
SWAMP	---	---
BEAVER DAM	---	---
TREE LINE	---	---
CUT LINE	---	---
CONTOURS, INDEX	---	---
INTERMEDIATE	---	---
DEPRESSION	---	---
APPROXIMATE	---	---
SPOT ELEVATION	---	---
FORM LINES	---	---
CUT/FILL	---	---
FIELD CONTROL POINT	---	---
COAL LICENCE	---	---

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES

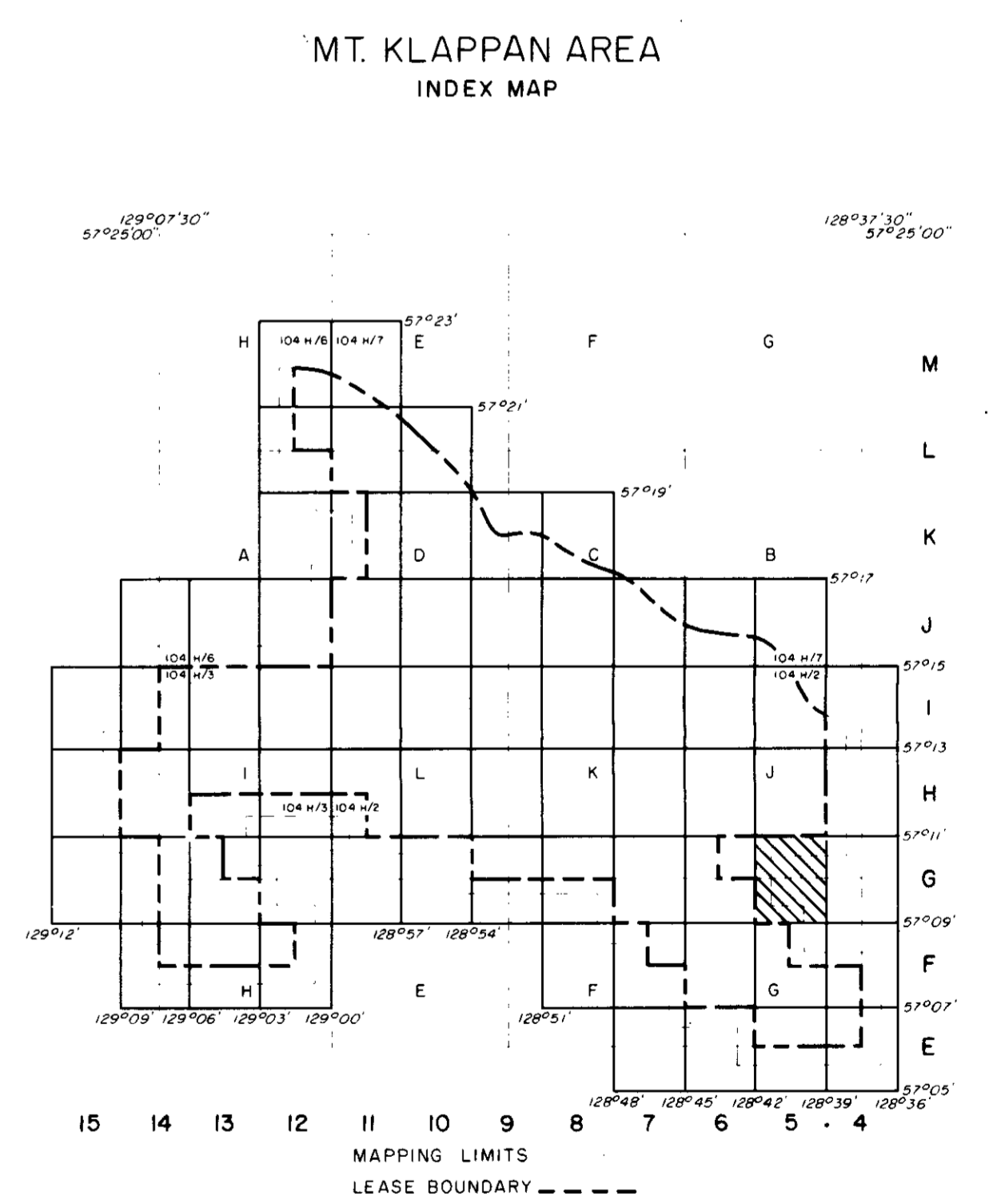
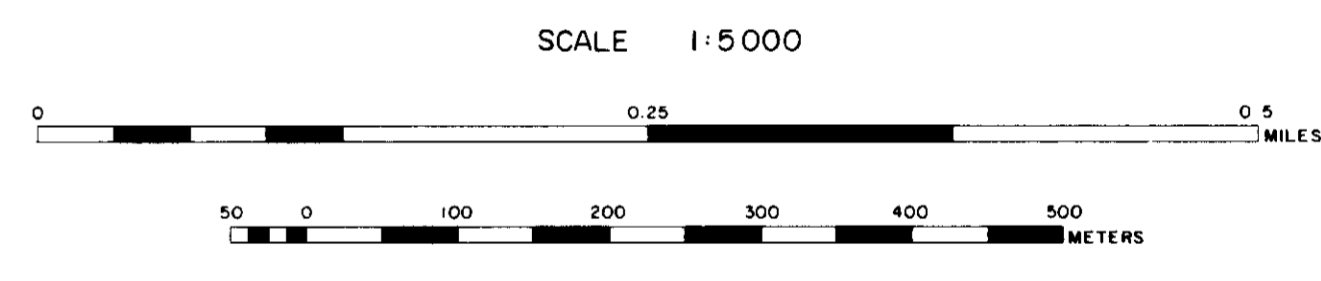
CONTOUR INTERVAL: 10 M., WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - ±5.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD MCELLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE).



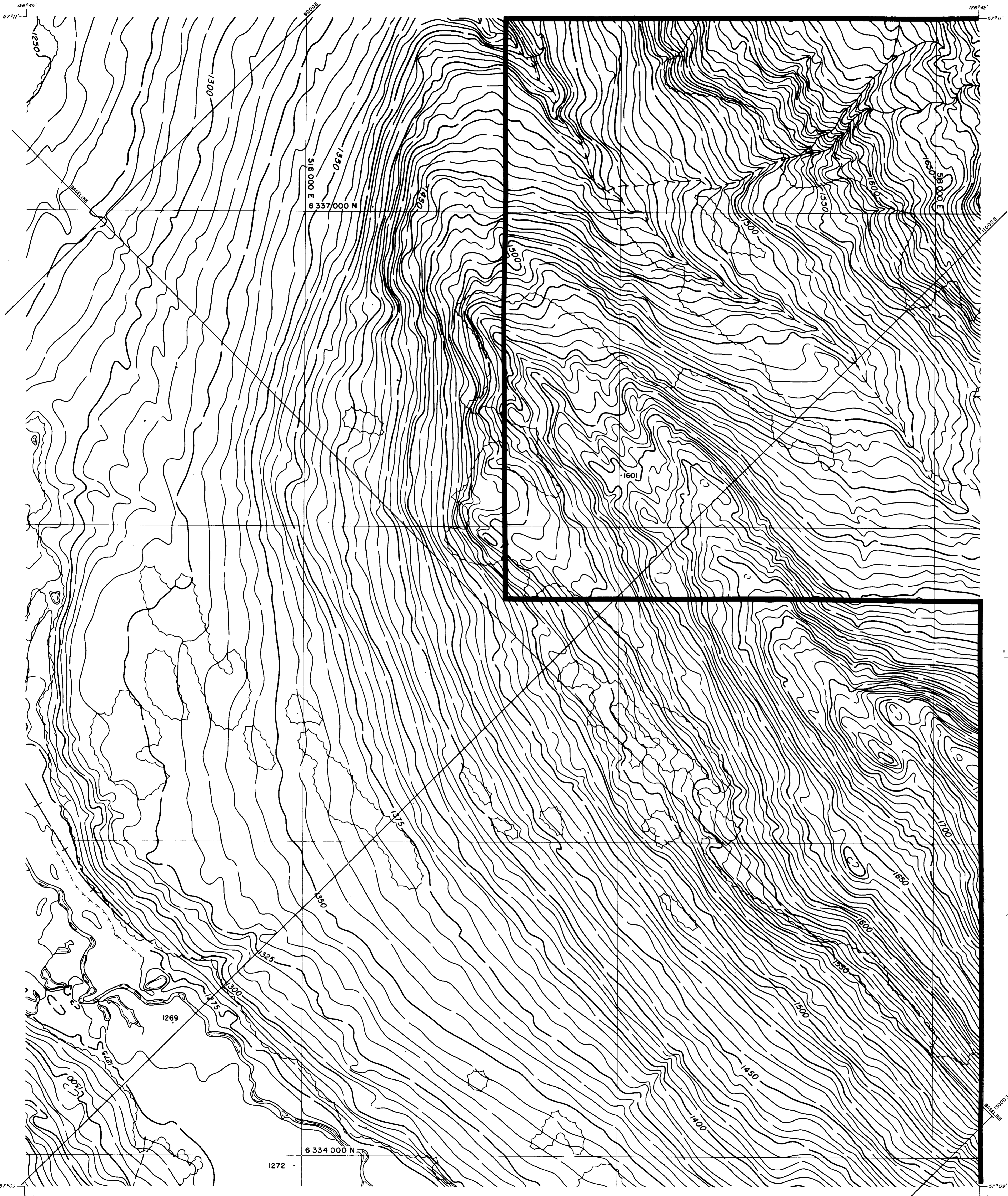
Co. Mt. Klappan 83(2)A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

**MT. KLAPPAN COAL PROPERTY
MAP SHEET G 5
1983 TRENCH AND DRILL HOLE
LOCATION MAP**

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN., 1984 DRAWING No. KPN83T14



LEGEND

BUILDING	[Symbol]
ROAD, HARD SURFACE	[Symbol]
LOOSE SURFACE	[Symbol]
CART TRACK	[Symbol]
TRAIL	[Symbol]
RAILROAD BED	[Symbol]
RIVER	[Symbol]
STREAM, DEFINITE	[Symbol]
APPROXIMATE	[Symbol]
SPLIT	[Symbol]
LAKE	[Symbol]
WATER LEVEL	[Symbol]
SWAMP	[Symbol]
BEAVER DAM	[Symbol]
TREE LINE	[Symbol]
CUT LINE	[Symbol]
CONTOURS, INDEX	[Symbol]
INTERMEDIATE	[Symbol]
DEPRESSION	[Symbol]
APPROXIMATE	[Symbol]
SPOT ELEVATION	[Symbol]
FORM LINES	[Symbol]
CUT/FILL	[Symbol]
FIELD CONTROL POINT	[Symbol]
COAL LICENCE	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL: 10 M., WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS +5.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

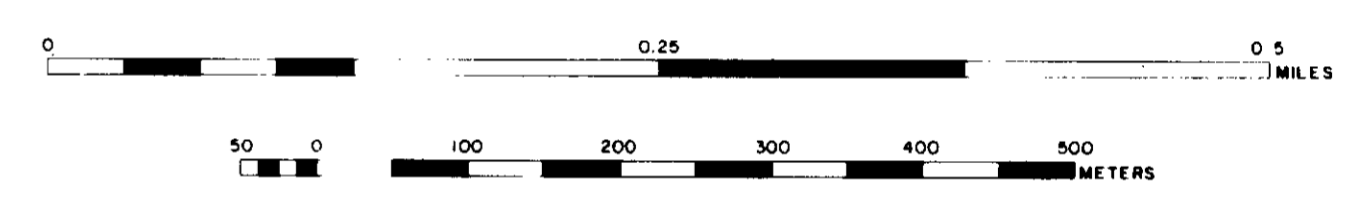
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

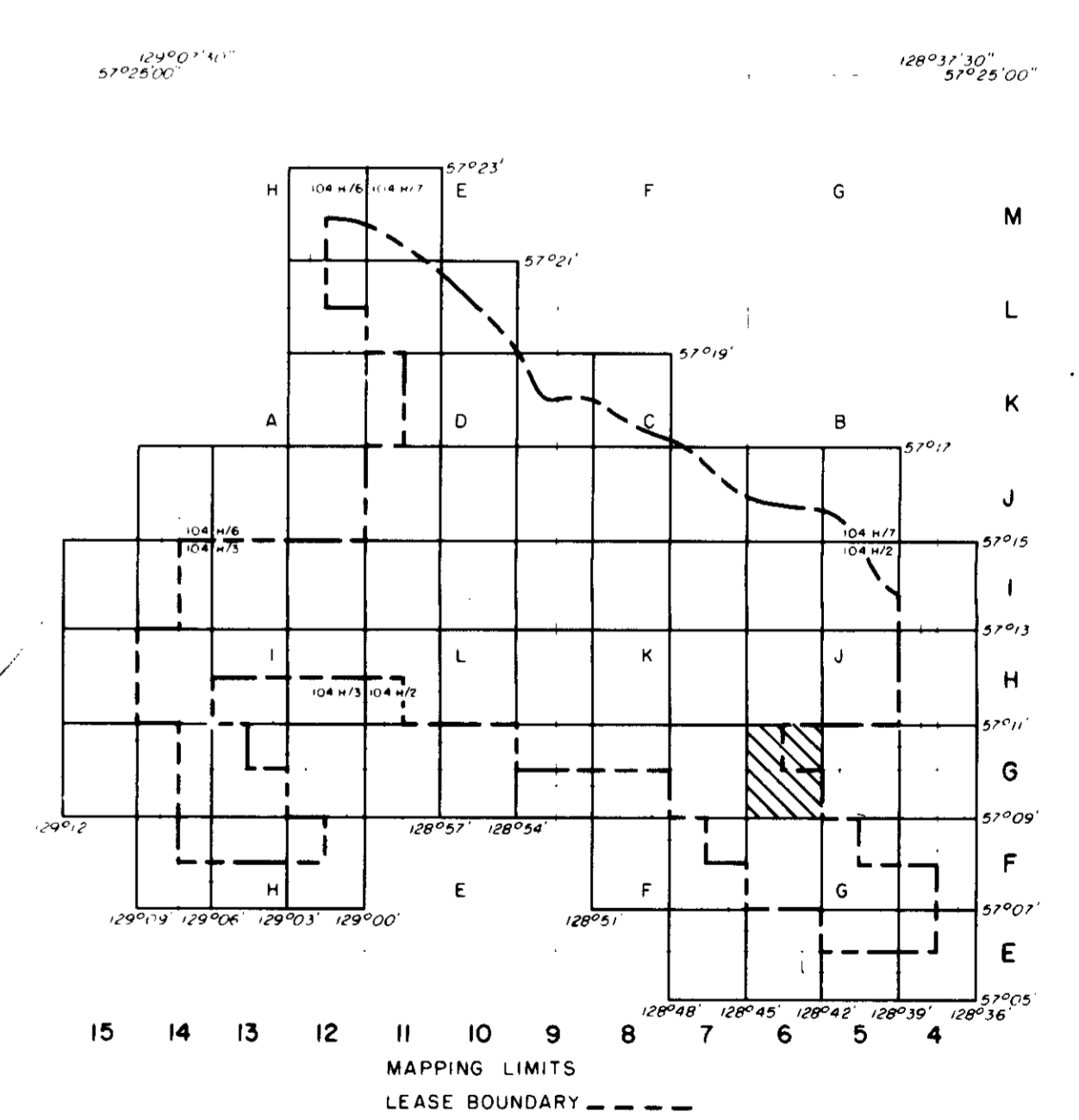
COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD.,
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
AT A SCALE OF 1:60 000 (APPROXIMATE).




SCALE 1:5000



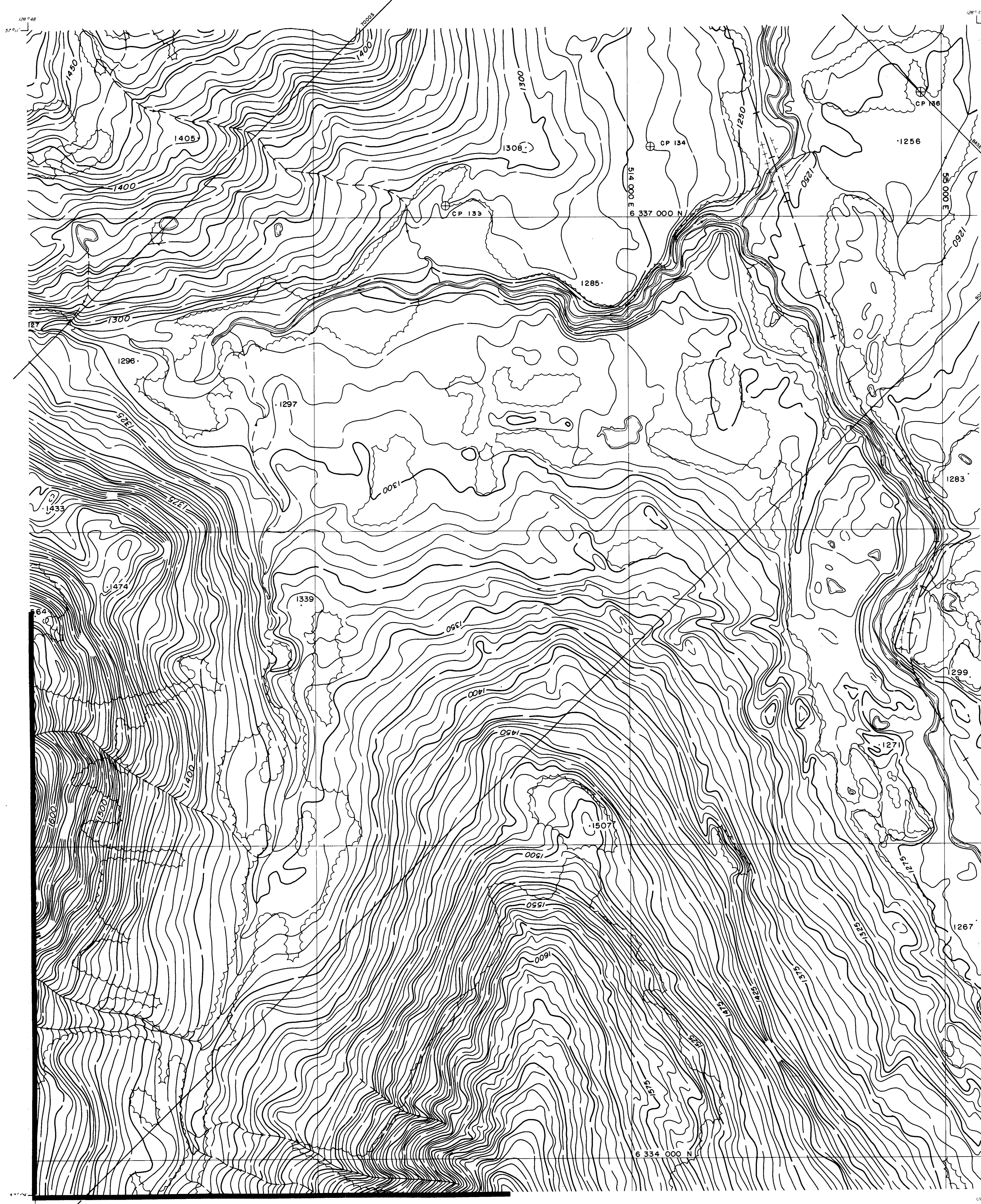
MT. KLAPPAN AREA
INDEX MAP




GULF CANADA RESOURCES INC.
 Coal Division
 CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET G 6
1983 TRENCH AND DRILL HOLE LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
 APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN 8315



LEGEND

BUILDING	---	[Symbol]
ROAD, HARD SURFACE	---	[Symbol]
LOOSE SURFACE	---	[Symbol]
CART TRACK	---	[Symbol]
TRAIL	---	[Symbol]
RAILROAD BED	---	[Symbol]
RIVER	---	[Symbol]
STREAM, DEFINITE	---	[Symbol]
STREAM, APPROXIMATE	---	[Symbol]
SPLIT	---	[Symbol]
LAKE	---	[Symbol]
WATER LEVEL	---	[Symbol]
SWAMP	---	[Symbol]
BEAVER DAM	---	[Symbol]
TREE LINE	---	[Symbol]
CUT LINE	---	[Symbol]
CONTOURS, INDEX	---	[Symbol]
INTERMEDIATE	---	[Symbol]
DEPRESSION	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPOT ELEVATION	---	[Symbol]
FORM LINES	---	[Symbol]
CUT/FILL	---	[Symbol]
FIELD CONTROL POINT	---	[Symbol]
COAL LICENCE	---	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL - 10 M, WITH FORM LINES INTERVAL - 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - ±5.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

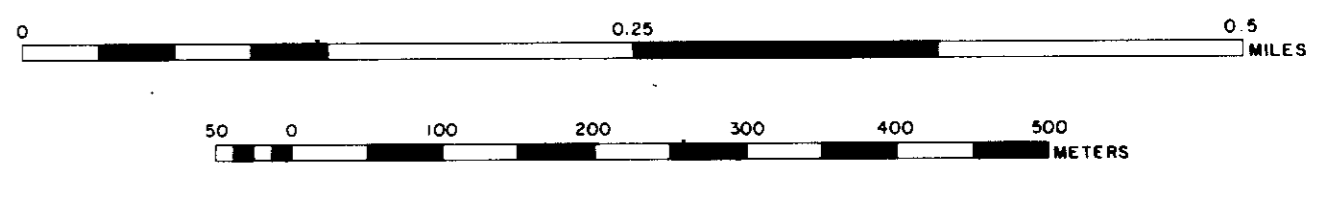
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

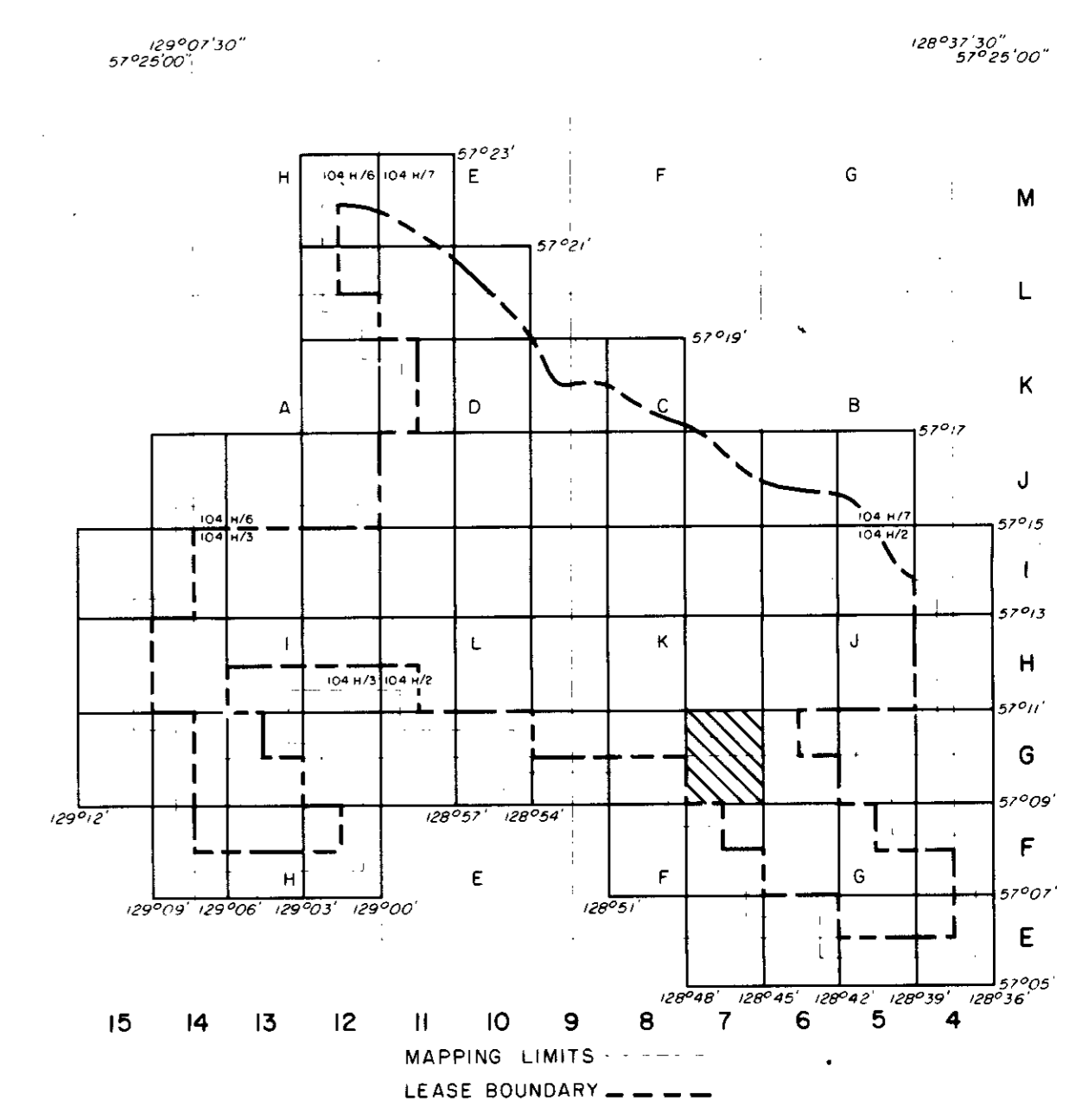
COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE)



SCALE 1:5000



MT. KLAPPAN AREA INDEX MAP



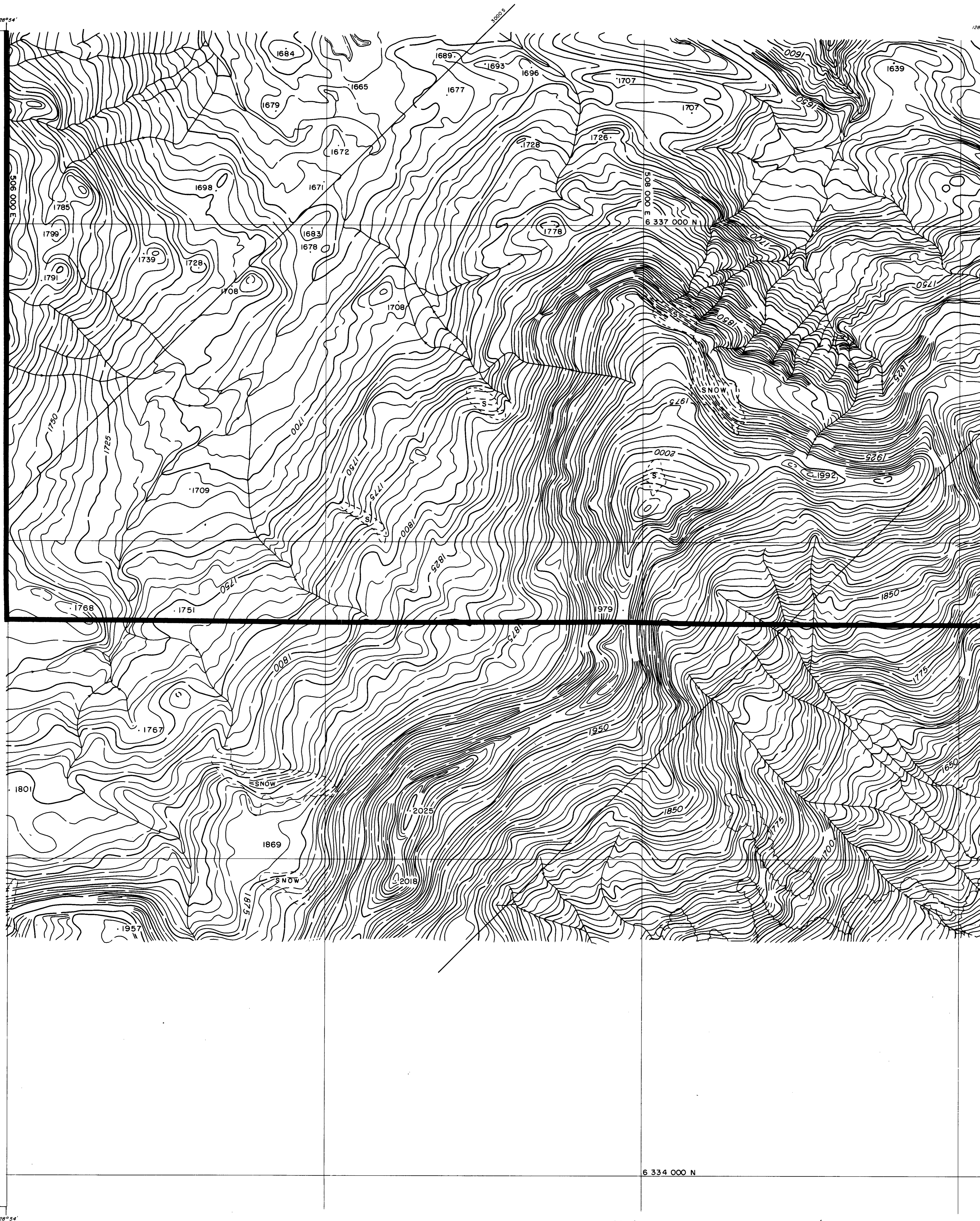
Gr. Mt. Klappan 83/216

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

**MT. KLAPPAN COAL PROPERTY
MAP SHEET G7
1983 TRENCH AND DRILL HOLE
LOCATION MAP**

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN., 1984 DRAWING No. KPN8316



LEGEND

BUILDING	---	---
ROAD, HARD SURFACE	---	---
ROAD, LOOSE SURFACE	---	---
CART TRACK	---	---
TRAIL	---	---
RAILROAD BED	---	---
RIVER	---	---
STREAM, DEFINITE	---	---
STREAM, APPROXIMATE	---	---
LAKE	---	---
WATER LEVEL	---	EL. 505'
SWAMP	---	---
BEAVER DAM	---	---
TREE LINE	---	---
CUT/FILL	---	---
CONTOURS, INDEX	---	---
CONTOURS, INTERMEDIATE	---	---
CONTOURS, APPROXIMATE	---	---
SPOT ELEVATION	---	7654
FORM LINES	---	---
CUT/FILL	---	---
FIELD CONTROL POINT	---	---
COAL LICENCE	---	---

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

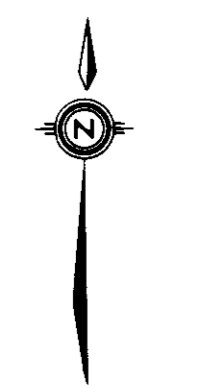
CONTOUR INTERVAL: 10 M., WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

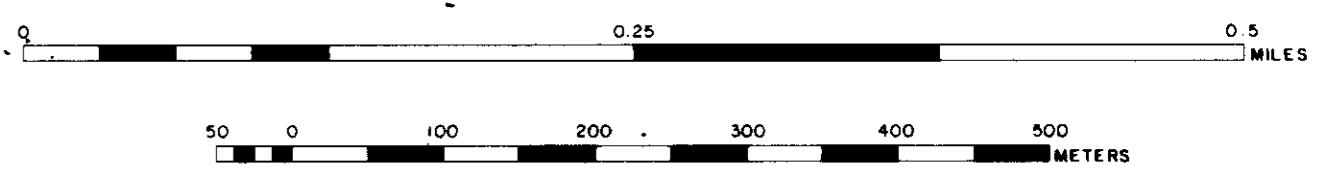
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

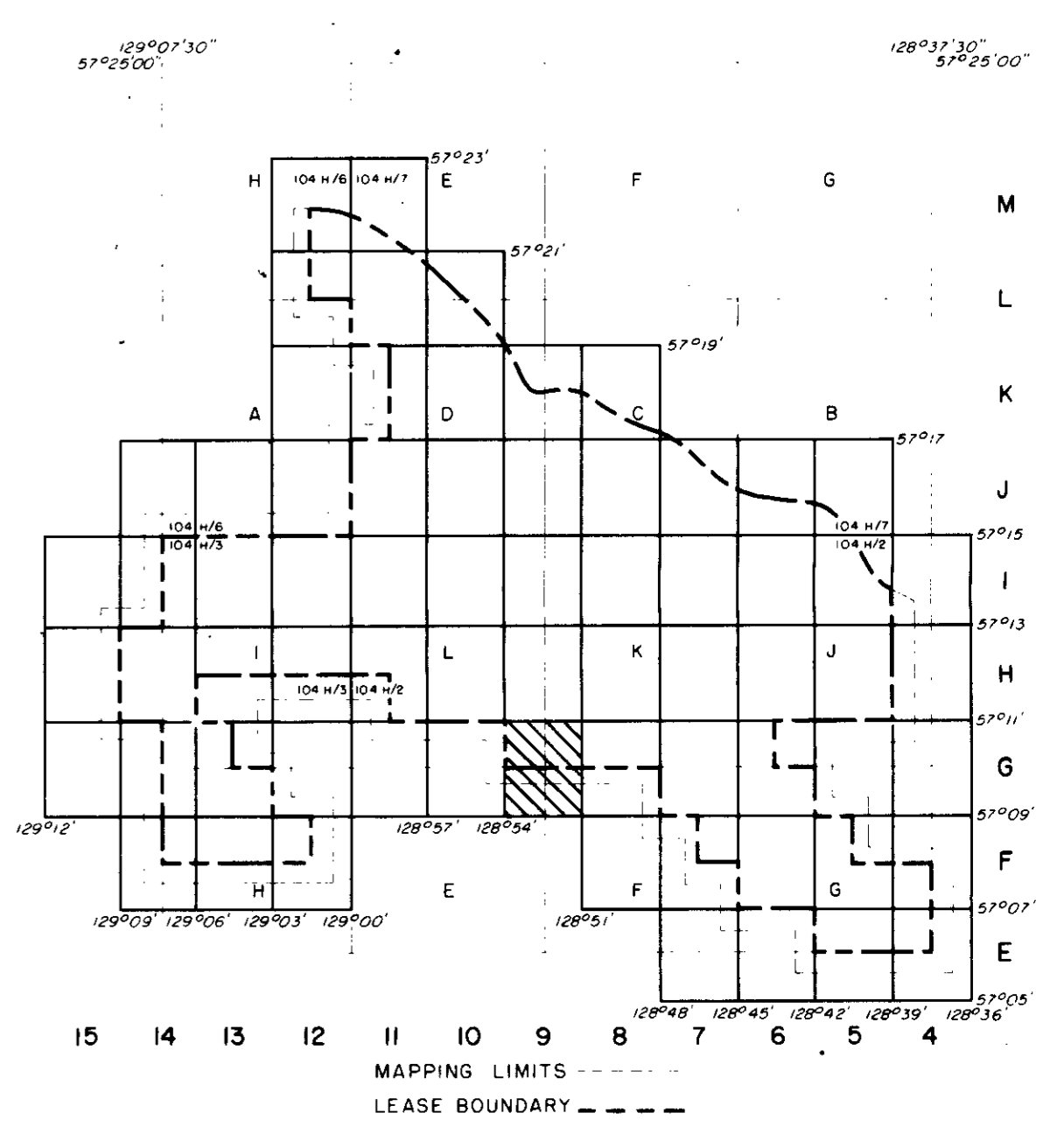
COMPILED BY: WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5,000



MT. KLAPPAN AREA INDEX MAP



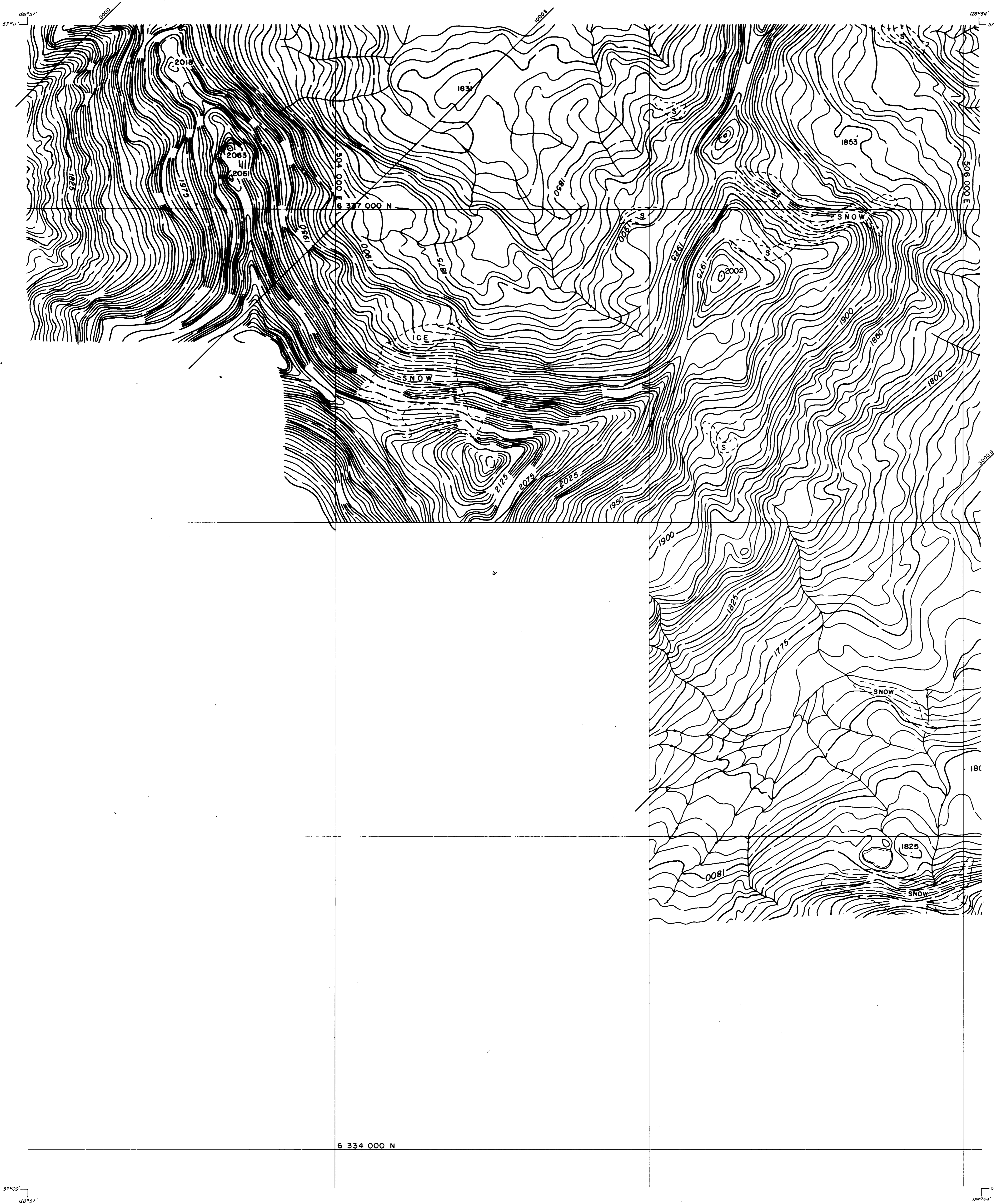
Ge. Mt. Klappan 83(2)10

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET G 9
1983 TRENCH AND DRILL HOLE LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5,000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN8318



LEGEND

BUILDING	---	[Symbol]
ROAD, HARD SURFACE	---	[Symbol]
LOOSE SURFACE	---	[Symbol]
CART TRACK	---	[Symbol]
TRAIL	---	[Symbol]
RAILROAD BED	---	[Symbol]
RIVER	---	[Symbol]
STREAM, DEFINITE	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPLIT	---	[Symbol]
LAKE	---	[Symbol]
WATER LEVEL	---	[Symbol]
SWAMP	---	[Symbol]
BEAVER DAM	---	[Symbol]
TREE LINE	---	[Symbol]
CUT LINE	---	[Symbol]
CONTOURS, INDEX	---	[Symbol]
INTERMEDIATE	---	[Symbol]
DEPRESSION	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPOT ELEVATION	---	[Symbol]
FORM LINES	---	[Symbol]
CUT/FILL	---	[Symbol]
FIELD CONTROL POINT	---	[Symbol]
COAL LICENCE	---	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

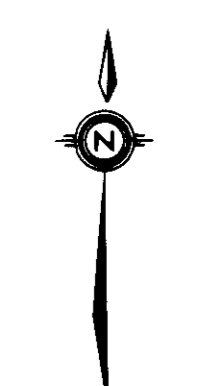
CONTOUR INTERVAL: 10 M., WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

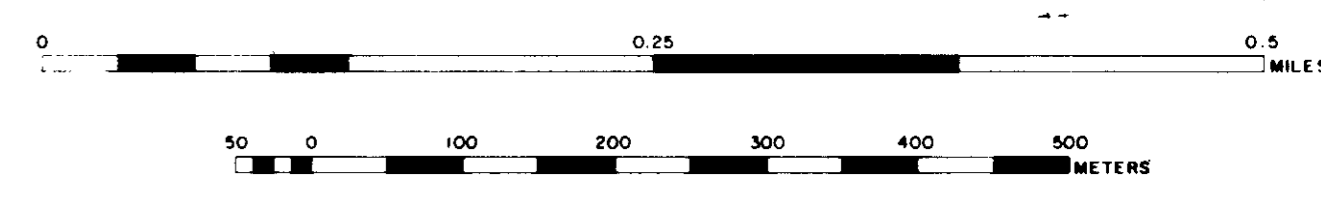
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

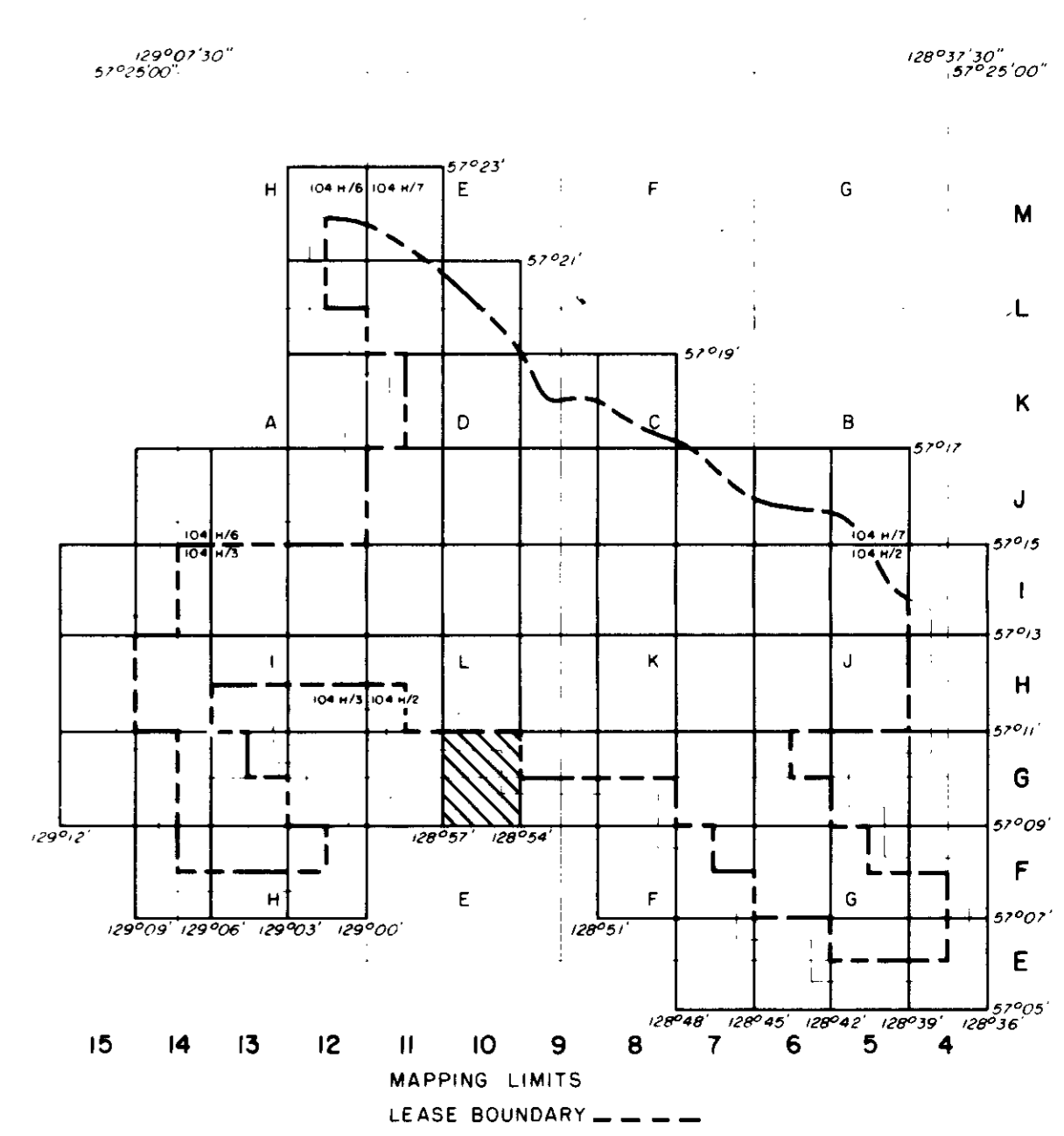
COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD MCELLELLAN LTD.,
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5,000



MT. KLAPPAN AREA
INDEX MAP



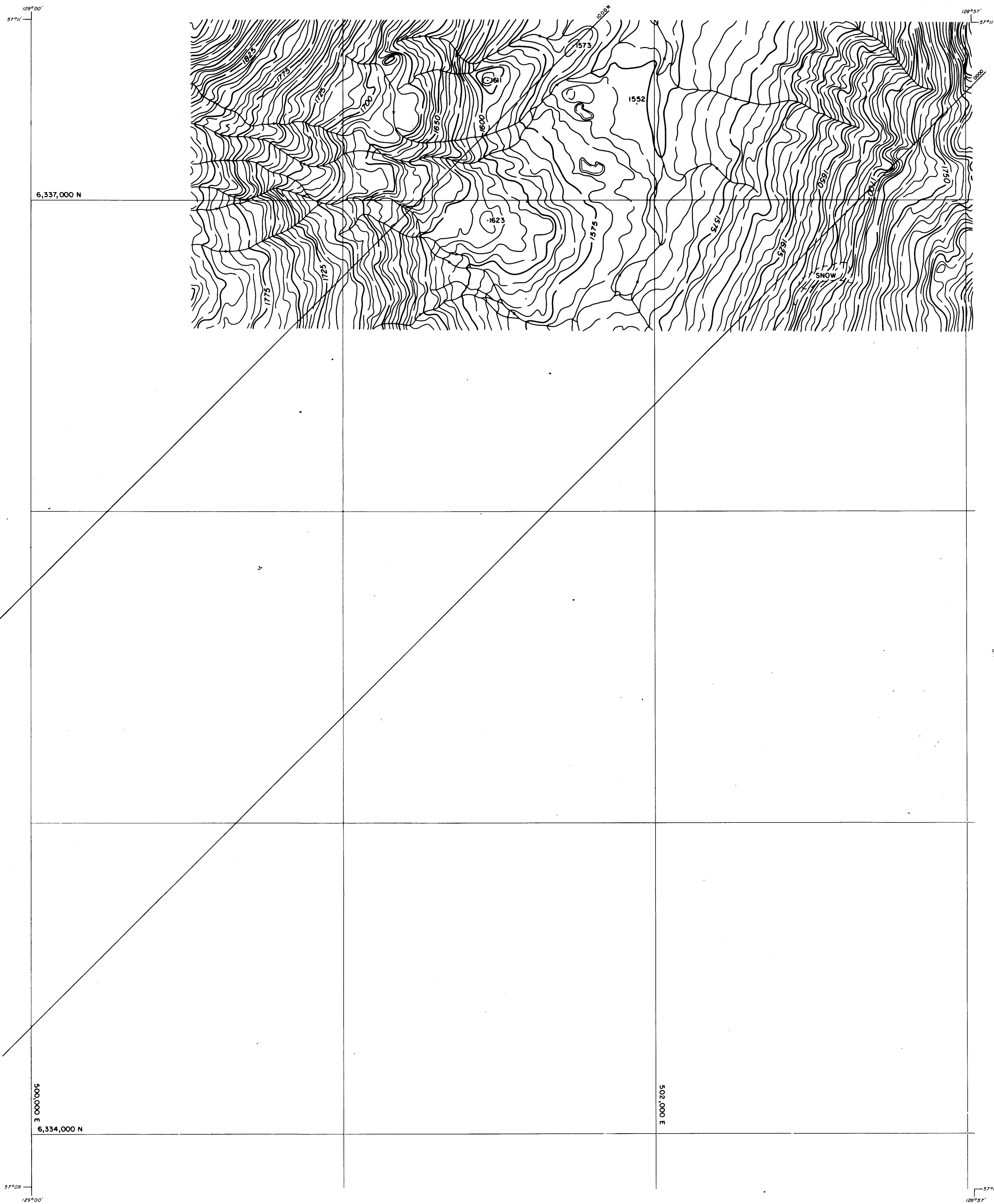
GR - MT. KLAPPAN 8361A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

**MT. KLAPPAN COAL PROPERTY
MAP SHEET G 10
1983 TRENCH AND DRILL HOLE
LOCATION MAP**

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN83T19



LEGEND

BUILDING	[Symbol]
ROAD, HARD SURFACE	[Symbol]
LOOSE SURFACE	[Symbol]
CART TRACK	[Symbol]
TRAIL	[Symbol]
RAILROAD BED	[Symbol]
RIVER	[Symbol]
STREAM, DEFINITE	[Symbol]
APPROXIMATE	[Symbol]
SPLIT	[Symbol]
LAKE	[Symbol]
WATER LEVEL	[Symbol]
SWAMP	[Symbol]
BEAVER DAM	[Symbol]
TREE LINE	[Symbol]
CUT LINE	[Symbol]
CONTOURS, INDEX	[Symbol]
INTERMEDIATE	[Symbol]
DEPRESSION	[Symbol]
APPROXIMATE	[Symbol]
SPOT ELEVATION	[Symbol]
FORM LINES	[Symbol]
CUT/FILL	[Symbol]
FIELD CONTROL POINT	[Symbol]
COAL LICENCE	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL = 10 M., WITH FORM LINES INTERVAL = 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - ±5.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.

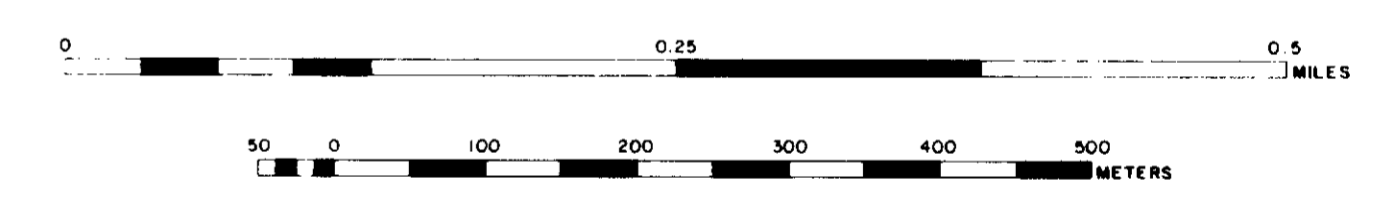
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

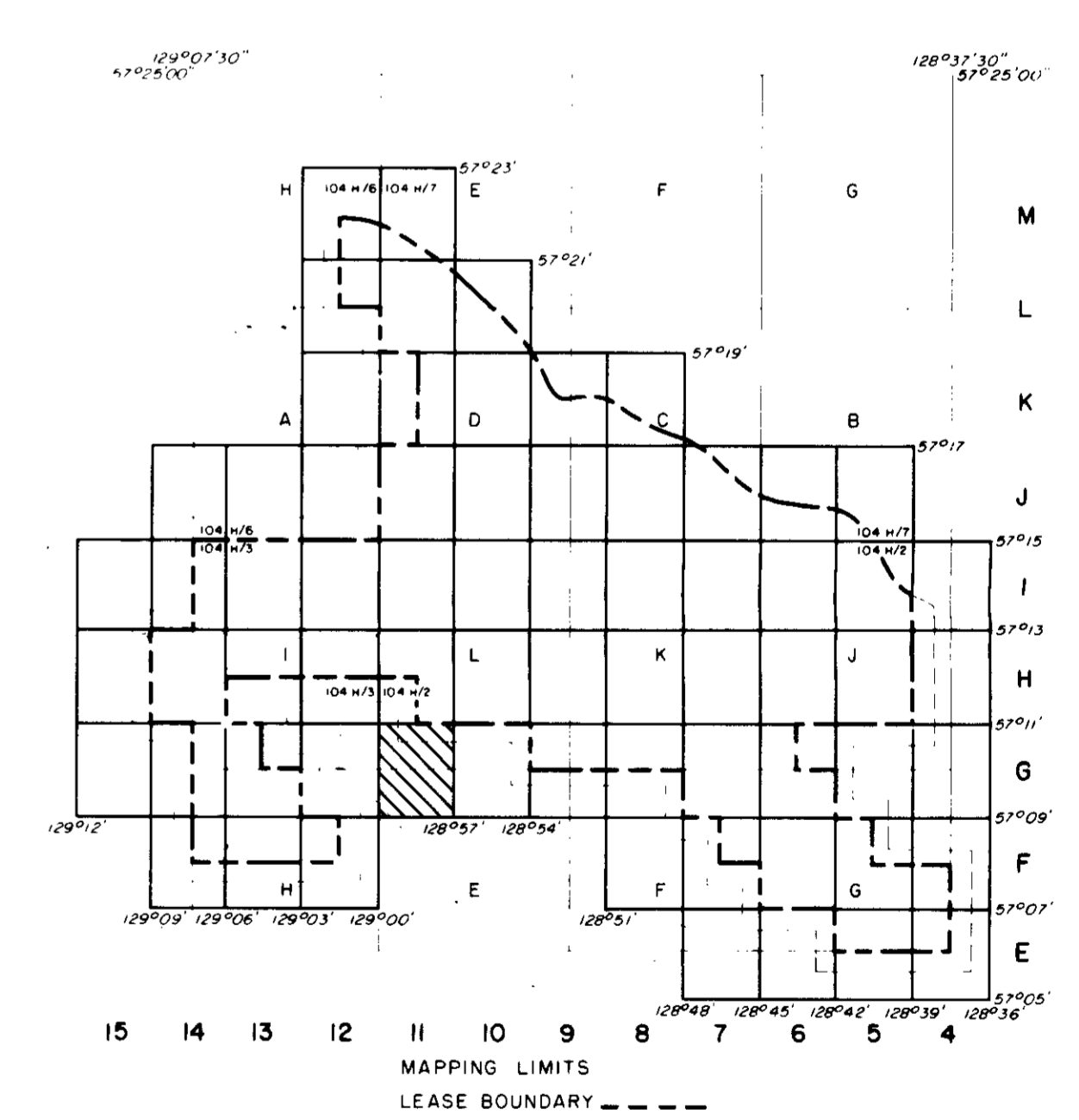
COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD.,
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5,000



MT. KLAPPAN AREA
INDEX MAP



Gr. Mt. Klappan 83(a)

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

Gulf

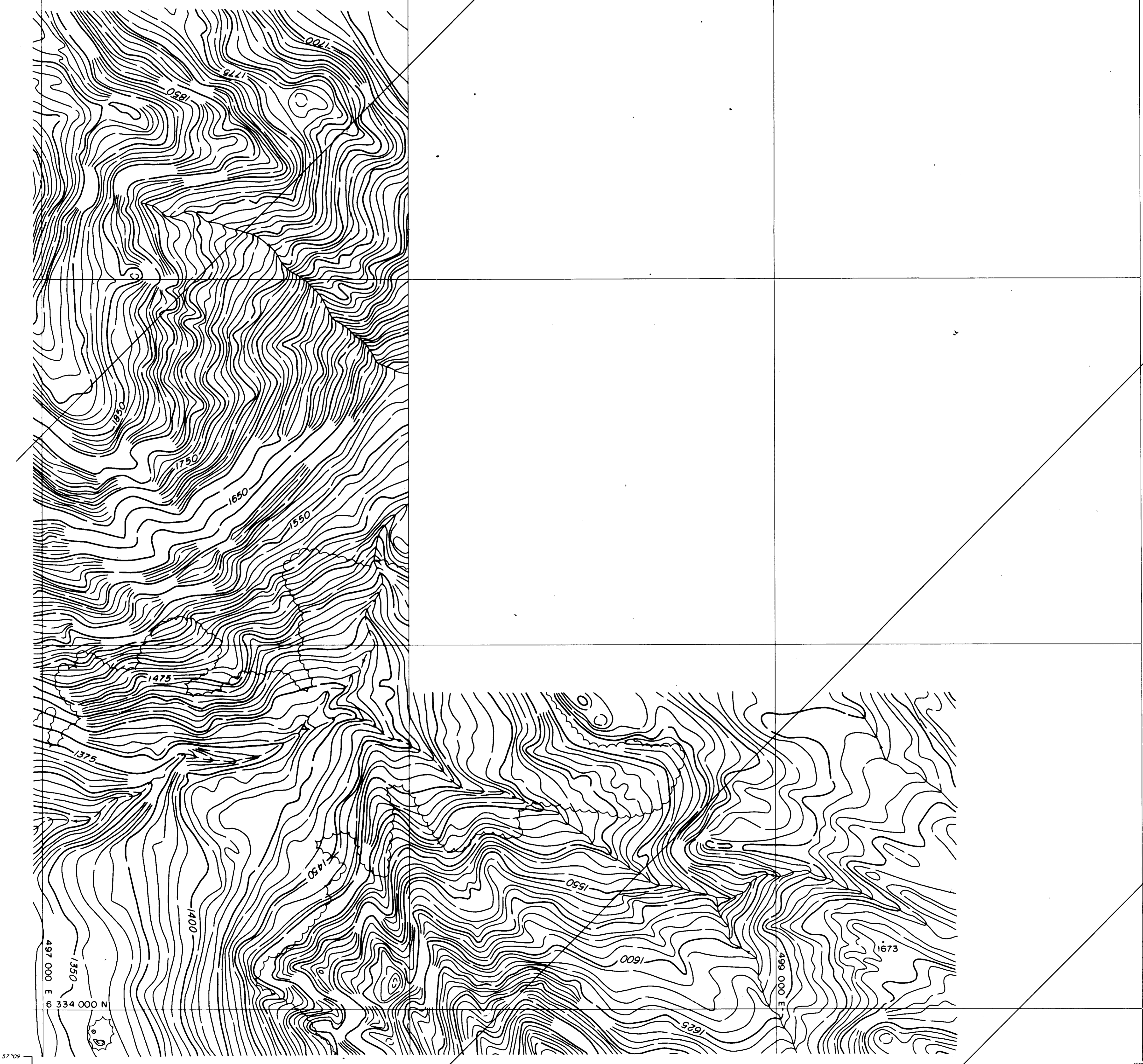
MT. KLAPPAN COAL PROPERTY
MAP SHEET G 11
1983 TRENCH AND DRILL HOLE

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN8320

129°03'
57°11'

6 337 000 N

57°09'
129°03'



LEGEND

BUILDING	---	---
ROAD, HARD SURFACE	---	---
ROAD, LOOSE SURFACE	---	---
CART TRACK	---	---
TRAIL	---	---
RAILROAD BED	---	---
RIVER	---	---
STREAM, DEFINITE	---	---
STREAM, APPROXIMATE	---	---
LAKE	---	---
WATER LEVEL	---	---
SWAMP	---	---
BEAVER DAM	---	---
TREE LINE	---	---
CUT LINE	---	---
CONTOURS, INDEX	---	---
CONTOURS, INTERMEDIATE	---	---
CONTOURS, APPROXIMATE	---	---
SPOT ELEVATION	---	---
FORM LINES	---	---
CUT/FILL	---	---
FIELD CONTROL POINT	---	---
COAL LICENCE	---	---

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES

CONTOUR INTERVAL = 10 M, WITH FORM LINES INTERVAL = 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.

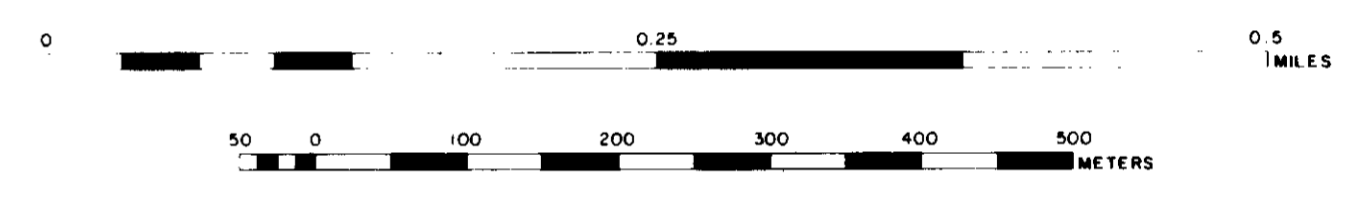
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

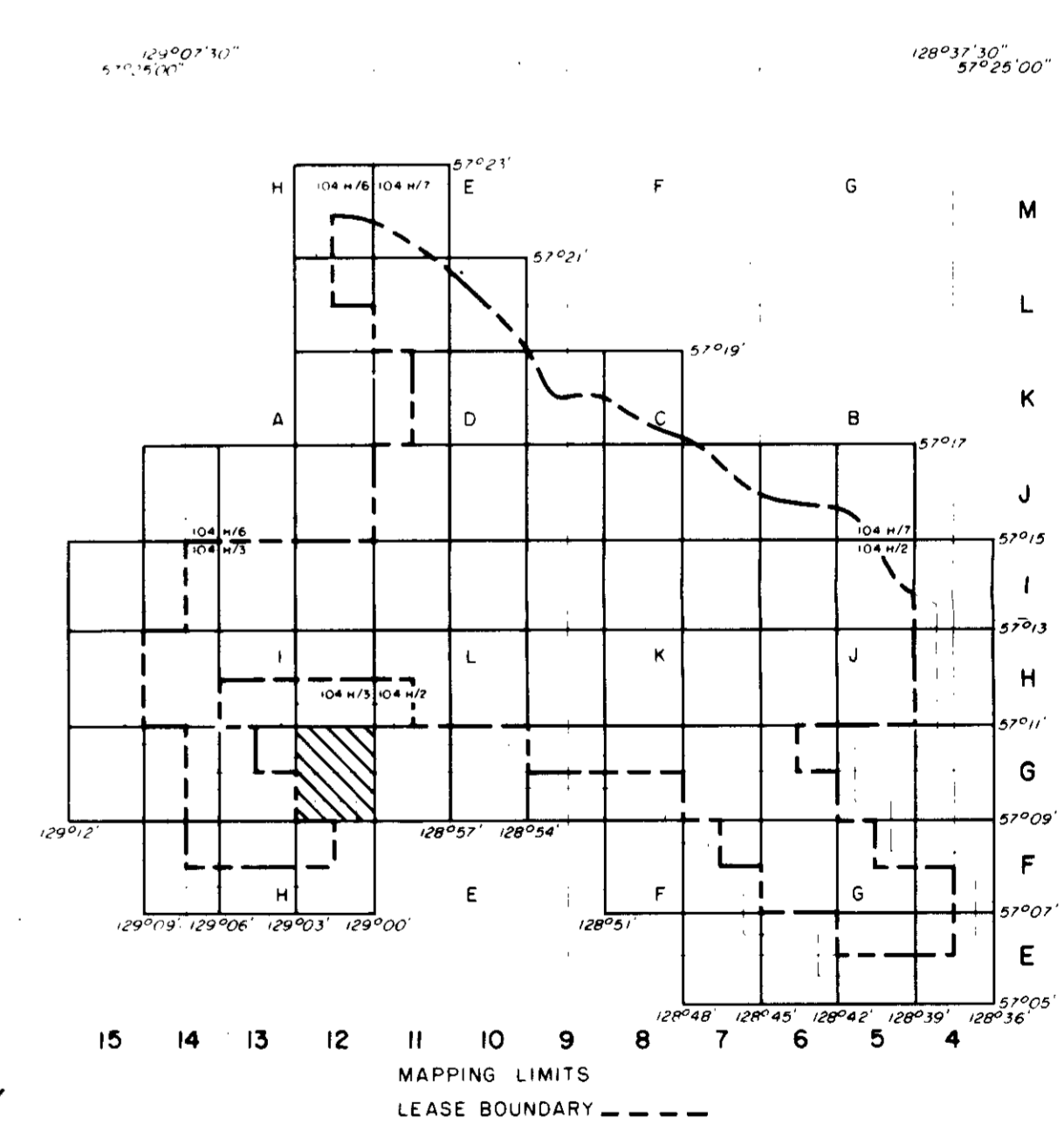
COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD.
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5000



MT. KLAPPAN AREA
INDEX MAP



Ge. Mr. Klappan 83(2)A

GULF CANADA RESOURCES INC.
Coal Division

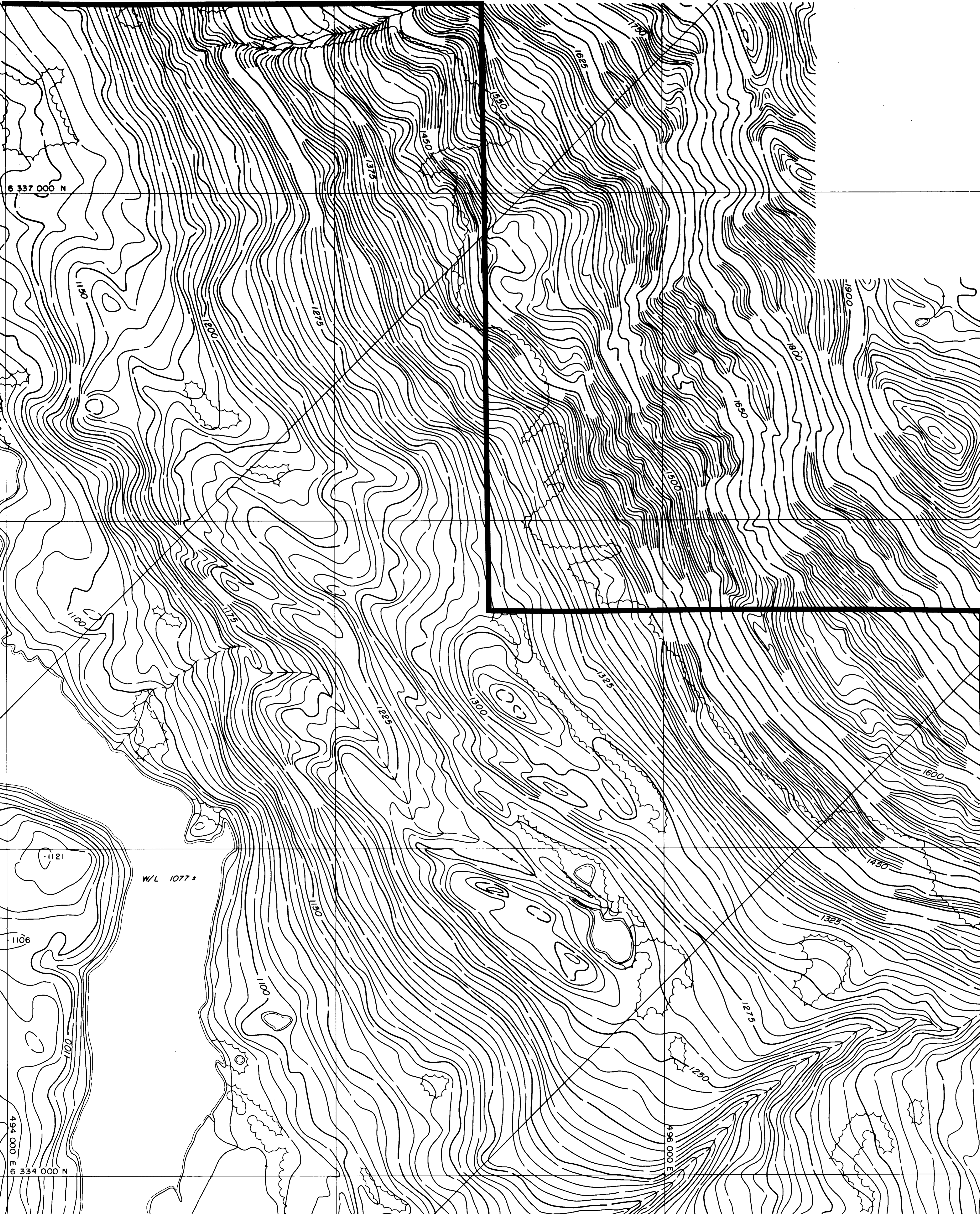
CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET G 12
1983 TRENCH AND DRILL HOLE
LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN8321

129°06'
57°41'

129°03'
57°41'



LEGEND

BUILDING	---	---
ROAD, HARD SURFACE	---	---
LOOSE SURFACE	---	---
CART TRACK	---	---
TRAIL	---	---
RAILROAD BED	---	---
RIVER	---	---
STREAM, DEFINITE	---	---
APPROXIMATE	---	---
SPLIT	---	---
LAKE	---	---
WATER LEVEL	---	EL. 900'
SWAMP	---	---
BEAVER DAM	---	---
TREE LINE	---	---
CUT LINE	---	---
CONTOURS, INDEX	---	---
INTERMEDIATE	---	---
DEPRESSION	---	---
APPROXIMATE	---	---
SPOT ELEVATION	---	---
FORM LINES	---	---
CUT/FILL	---	---
FIELD CONTROL POINT	---	---
COAL LICENCE	---	---

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

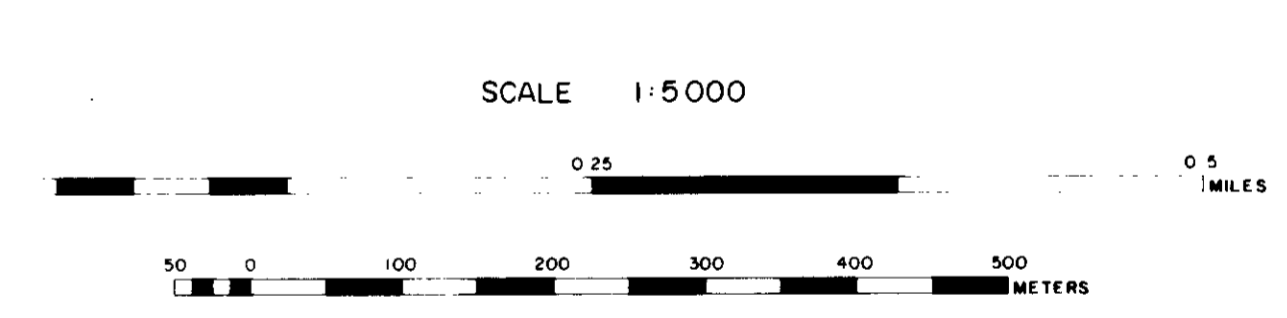
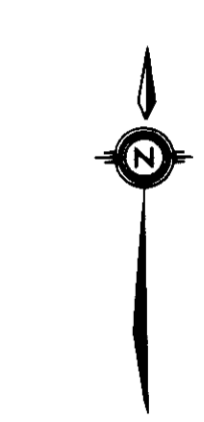
CONTOUR INTERVAL = 10 M., WITH FORM LINES INTERVAL = 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - ±5.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

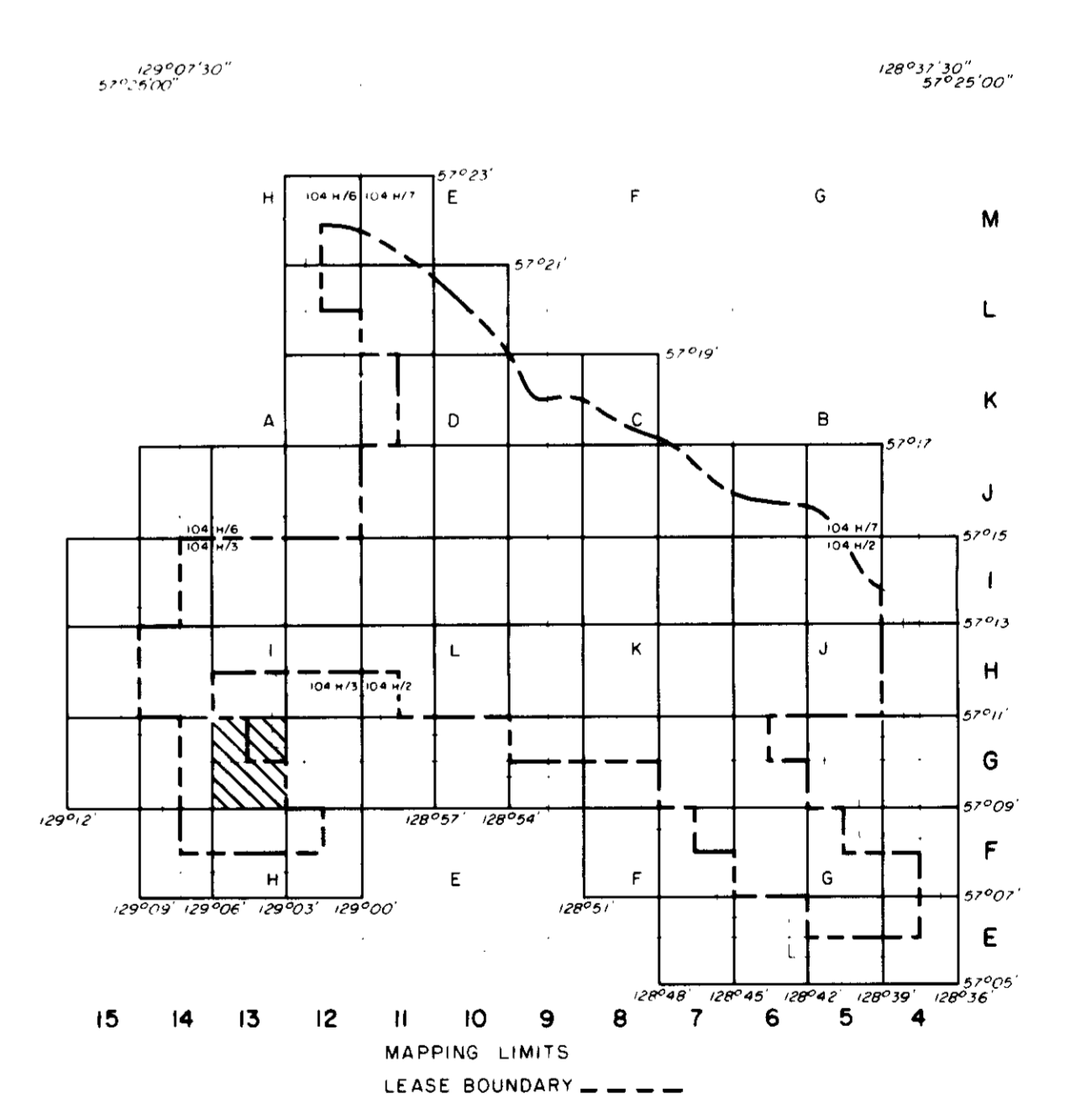
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD.,
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
AT A SCALE OF 1:60,000 (APPROXIMATE).



MT. KLAPPAN AREA
INDEX MAP



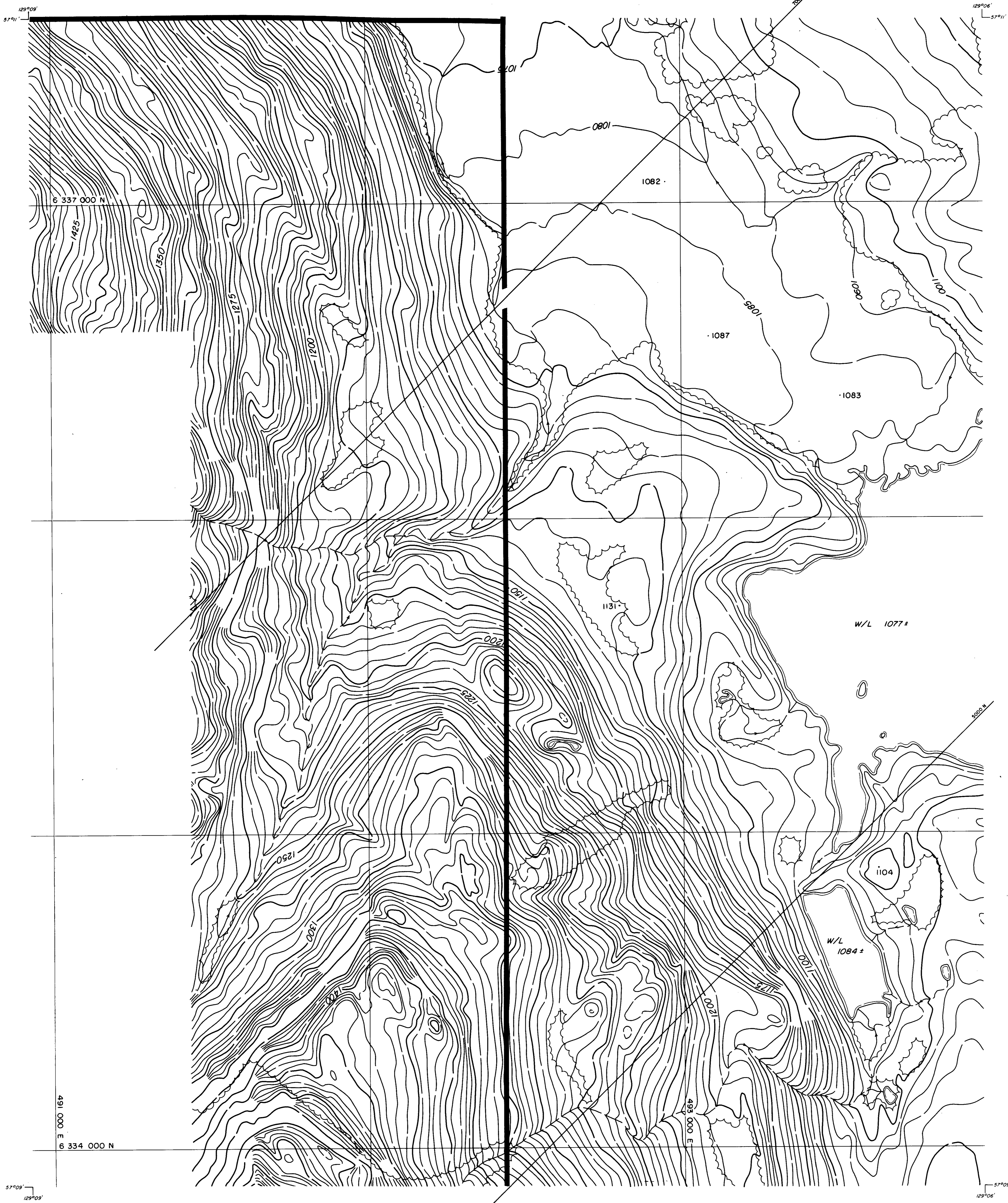
Ge. Mt. Klappan 83(2)A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

**MT. KLAPPAN COAL PROPERTY
MAP SHEET G 13
1983 TRENCH AND DRILL HOLE
LOCATION MAP**

PREPARED BY: C. LOUIE SCALE 1:5,000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KP83722



LEGEND

BUILDING	---
ROAD, HARD SURFACE	---
LOOSE SURFACE	---
CART TRACK	---
TRAIL	---
RAILROAD BED	---
RIVER	---
STREAM, DEFINITE	---
APPROXIMATE	---
SPLIT	---
LAKE	---
WATER LEVEL	EL. 505'
SWAMP	---
BEAVER DAM	---
TREE LINE	---
CUT LINE	---
CONTOURS, INDEX	---
INTERMEDIATE	---
DEPRESSION	---
APPROXIMATE	---
SPOT ELEVATION	7654
FORM LINES	---
CUT/FILL	---
FIELD CONTROL POINT	---
COAL LICENCE	---

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES

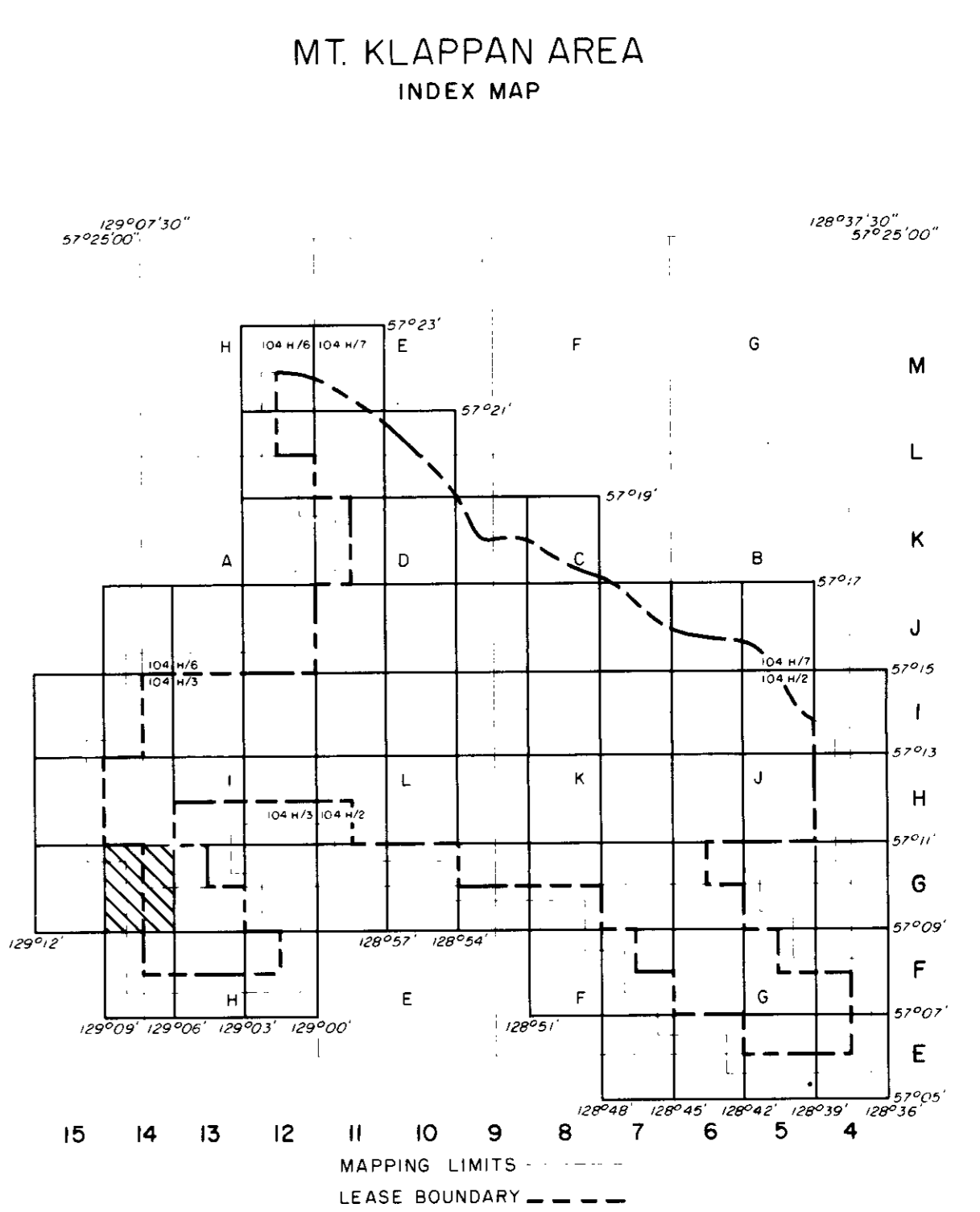
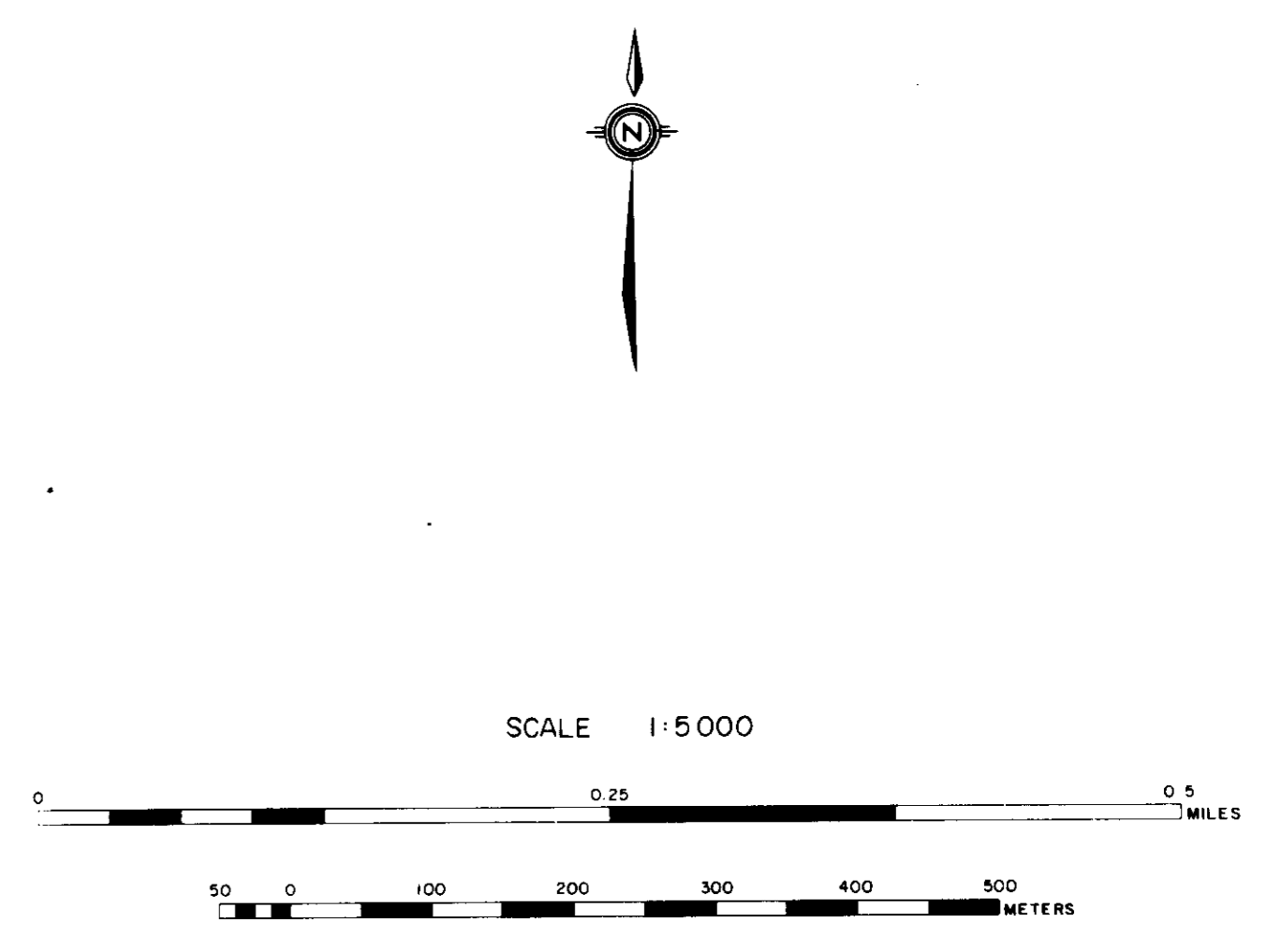
CONTOUR INTERVAL: 10 M., WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEOIDIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD MCELLELLAN LTD.
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
AT A SCALE OF 1:60,000 (APPROXIMATE)



Ge. Mt. Klappan 8/2/84

GULF CANADA RESOURCES INC.
Coal Division

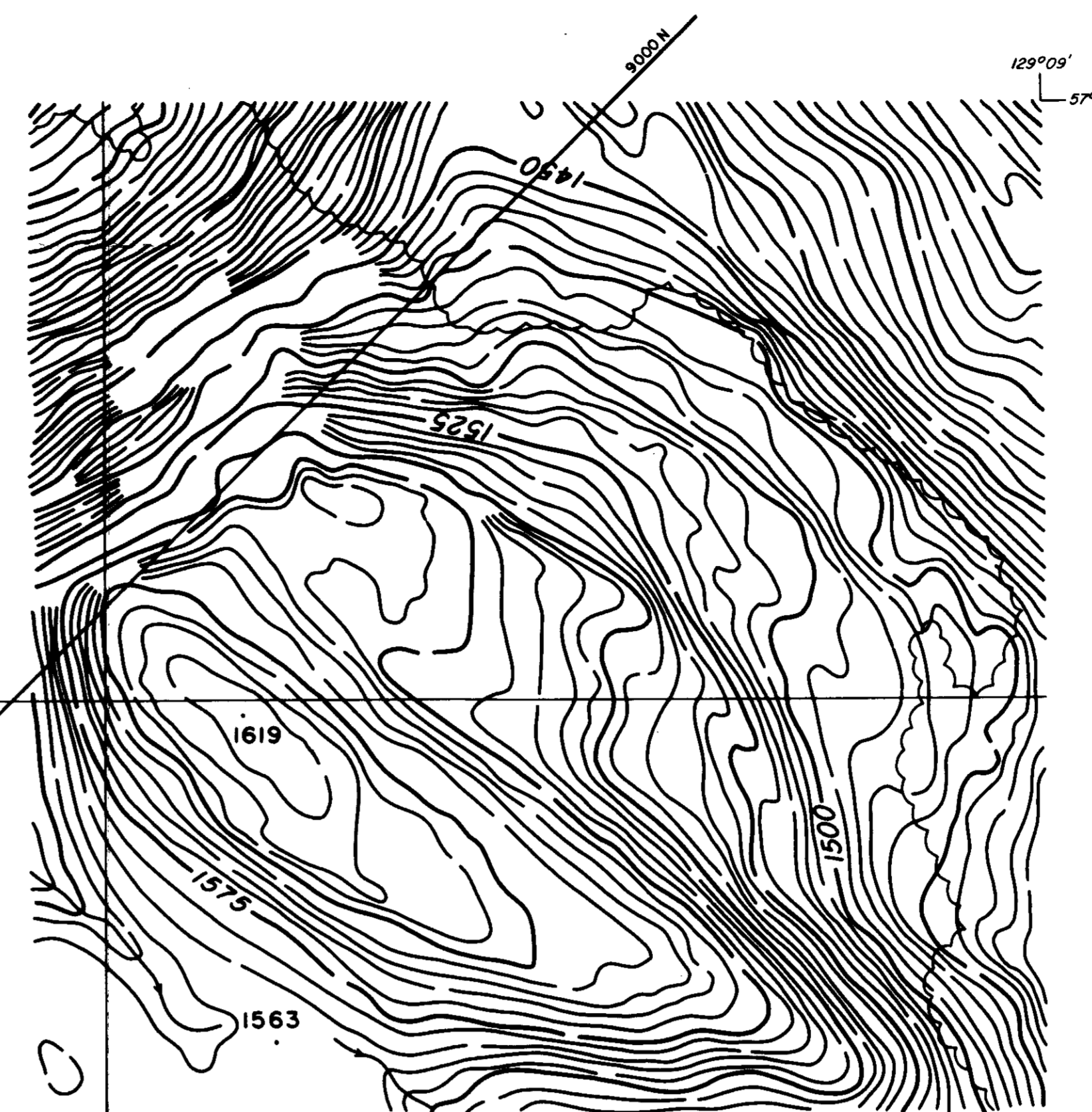
CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET G 14
1983 TRENCH AND DRILL HOLE
LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN., 1984 DRAWING No. KPN 8323

129°12'
57°11'

6 337 000 N



LEGEND

BUILDING	---	[Symbol]
ROAD, HARD SURFACE	---	[Symbol]
LOOSE SURFACE	---	[Symbol]
CART TRACK	---	[Symbol]
TRAIL	---	[Symbol]
RAILROAD BED	---	[Symbol]
RIVER	---	[Symbol]
STREAM, DEFINITE	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPLIT	---	[Symbol]
LAKE	---	[Symbol]
WATER LEVEL	---	[Symbol]
SWAMP	---	[Symbol]
BEAVER DAM	---	[Symbol]
TREE LINE	---	[Symbol]
CUT LINE	---	[Symbol]
CONTOURS, INDEX	---	[Symbol]
INTERMEDIATE	---	[Symbol]
DEPRESSION	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPOT ELEVATION	---	[Symbol]
FORM LINES	---	[Symbol]
CUT/FILL	---	[Symbol]
FIELD CONTROL POINT	---	[Symbol]
COAL LICENCE	---	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL = 10 M., WITH FORM LINES INTERVAL = 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.

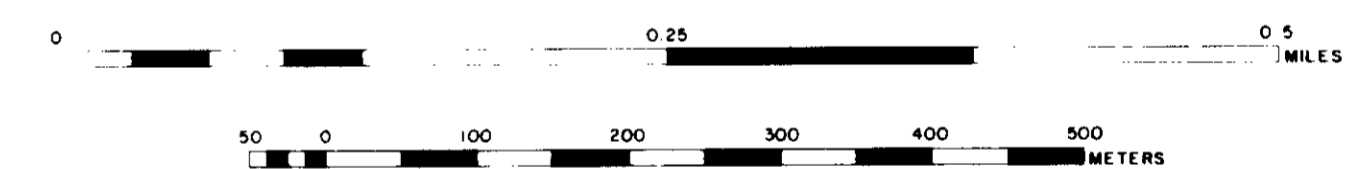
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

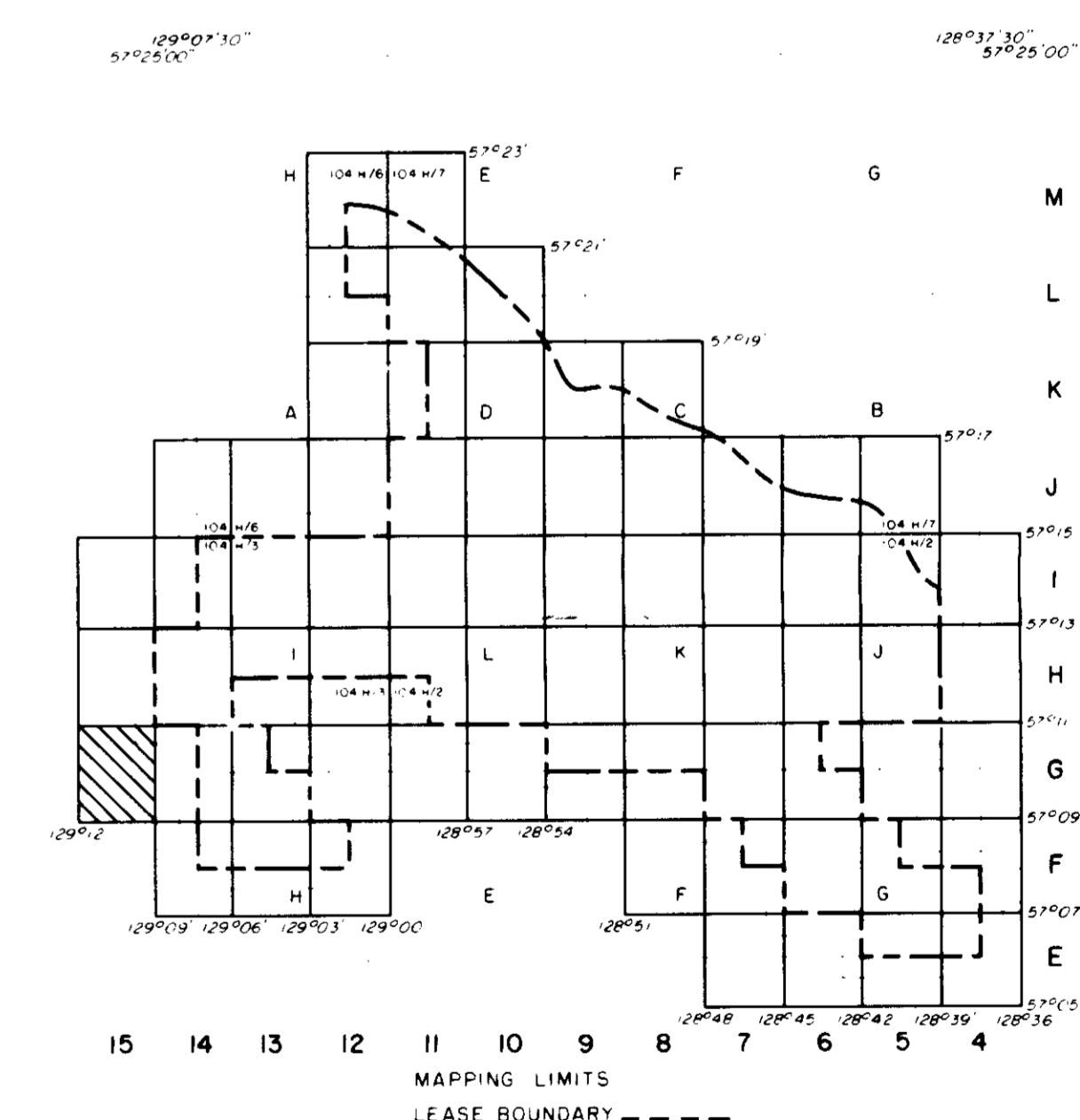
COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD MUELLER LTD.
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5000



MT. KLAPPAN AREA
INDEX MAP



488 000 E

6 334 000 N

490 000 E

57°09'
129°12'

57°09'
129°09'

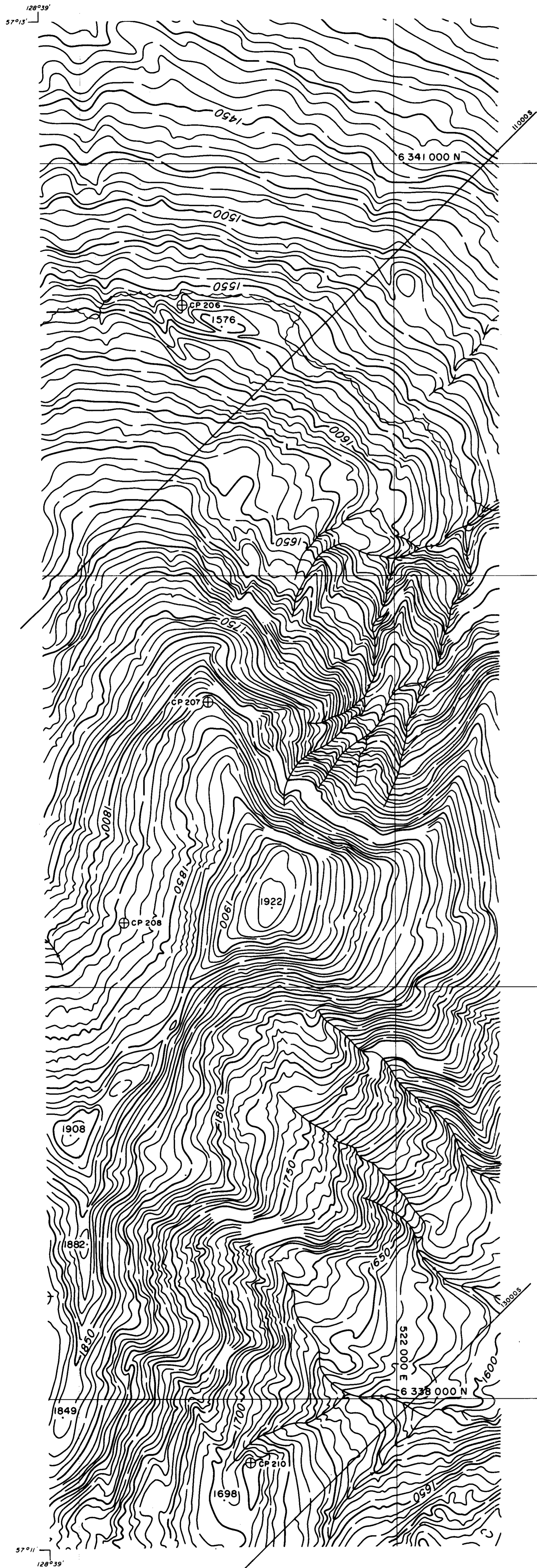
Ge. Mt. Klappan 93/21A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET G 15
1983 TRENCH AND DRILL HOLE
LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN83724



LEGEND

BUILDING	
ROAD, HARD SURFACE	
LOOSE SURFACE	
CART TRACK	
TRAIL	
RAILROAD BED	
RIVER	
STREAM, DEFINITE	
STREAM, APPROXIMATE	
LAKE	
WATER LEVEL	
SWAMP	
BEAVER DAM	
TREE LINE	
CUT LINE	
CONTOURS, INDEX	
CONTOURS, INTERMEDIATE	
CONTOURS, APPROXIMATE	
SPOT ELEVATION	
FORM LINES	
CUT/FILL	
FIELD CONTROL POINT	
COAL LICENCE	

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

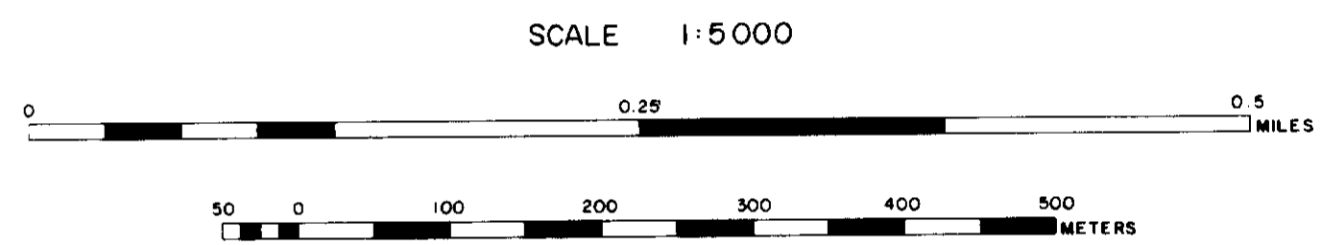
CONTOUR INTERVAL: 10 M., WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5 M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10 M CONTOURS - 15.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.

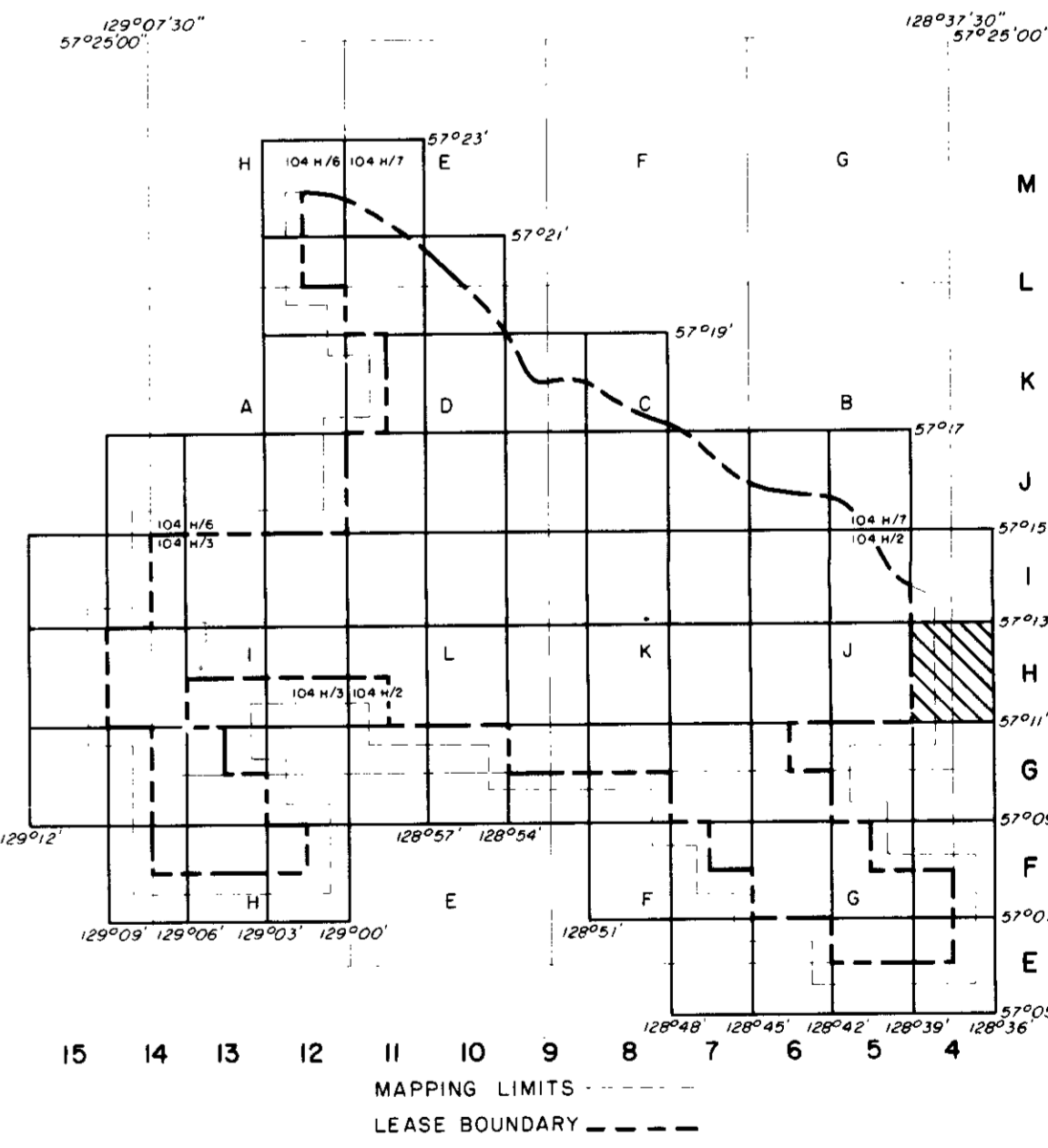
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD.,
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
AT A SCALE OF 1:60,000 (APPROXIMATE).



MT. KLAPPAN AREA
INDEX MAP

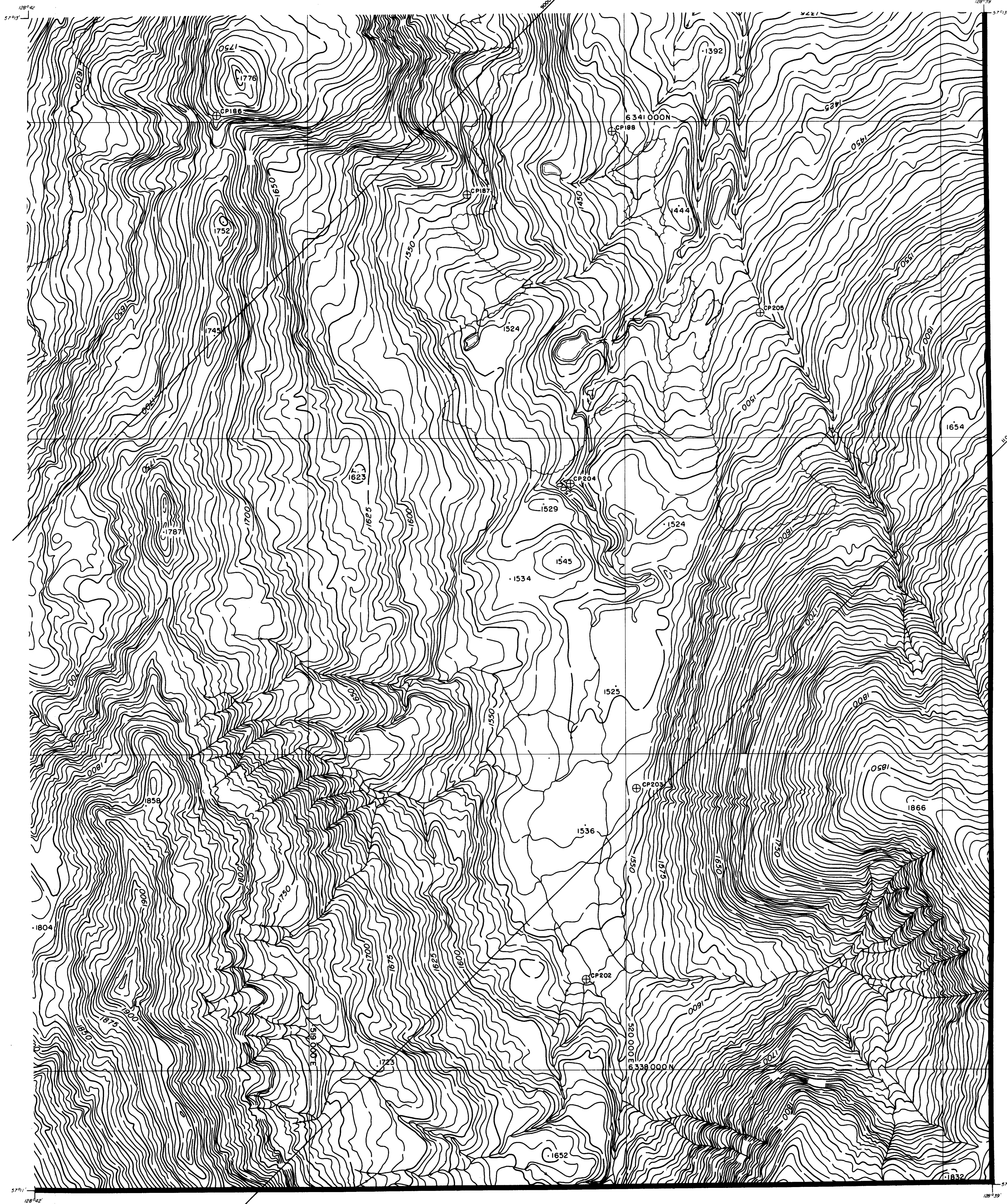


GULF CANADA RESOURCES INC. Coal Division

CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET H 4
1983 TRENCH AND DRILL HOLE
LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING NO. KPN83225



LEGEND

BUILDING	[Symbol]
ROAD, HARD SURFACE	[Symbol]
ROAD, LOOSE SURFACE	[Symbol]
CART TRACK	[Symbol]
TRAIL	[Symbol]
RAILROAD BED	[Symbol]
RIVER	[Symbol]
STREAM, DEFINITE	[Symbol]
STREAM, APPROXIMATE	[Symbol]
SPLIT	[Symbol]
LAKE	[Symbol]
WATER LEVEL	[Symbol]
SWAMP	[Symbol]
BEAVER DAM	[Symbol]
TREE LINE	[Symbol]
CUT LINE	[Symbol]
CONTOURS, INDEX	[Symbol]
CONTOURS, INTERMEDIATE	[Symbol]
CONTOURS, DEPRESSION	[Symbol]
CONTOURS, APPROXIMATE	[Symbol]
SPOT ELEVATION	[Symbol]
FORM LINES	[Symbol]
CUT/FILL	[Symbol]
FIELD CONTROL POINT	[Symbol]
COAL LICENCE	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL: 10 M., WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.

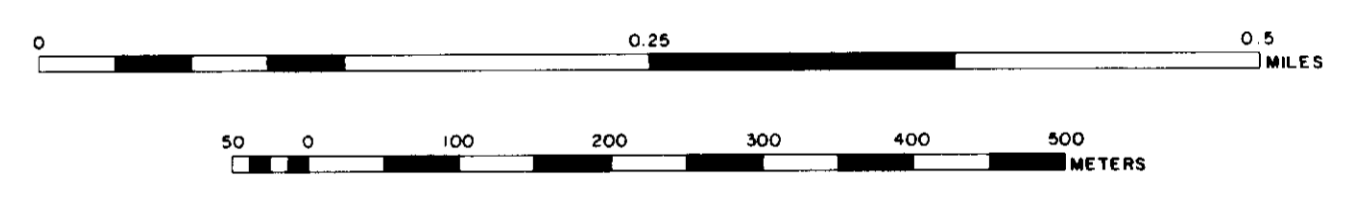
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

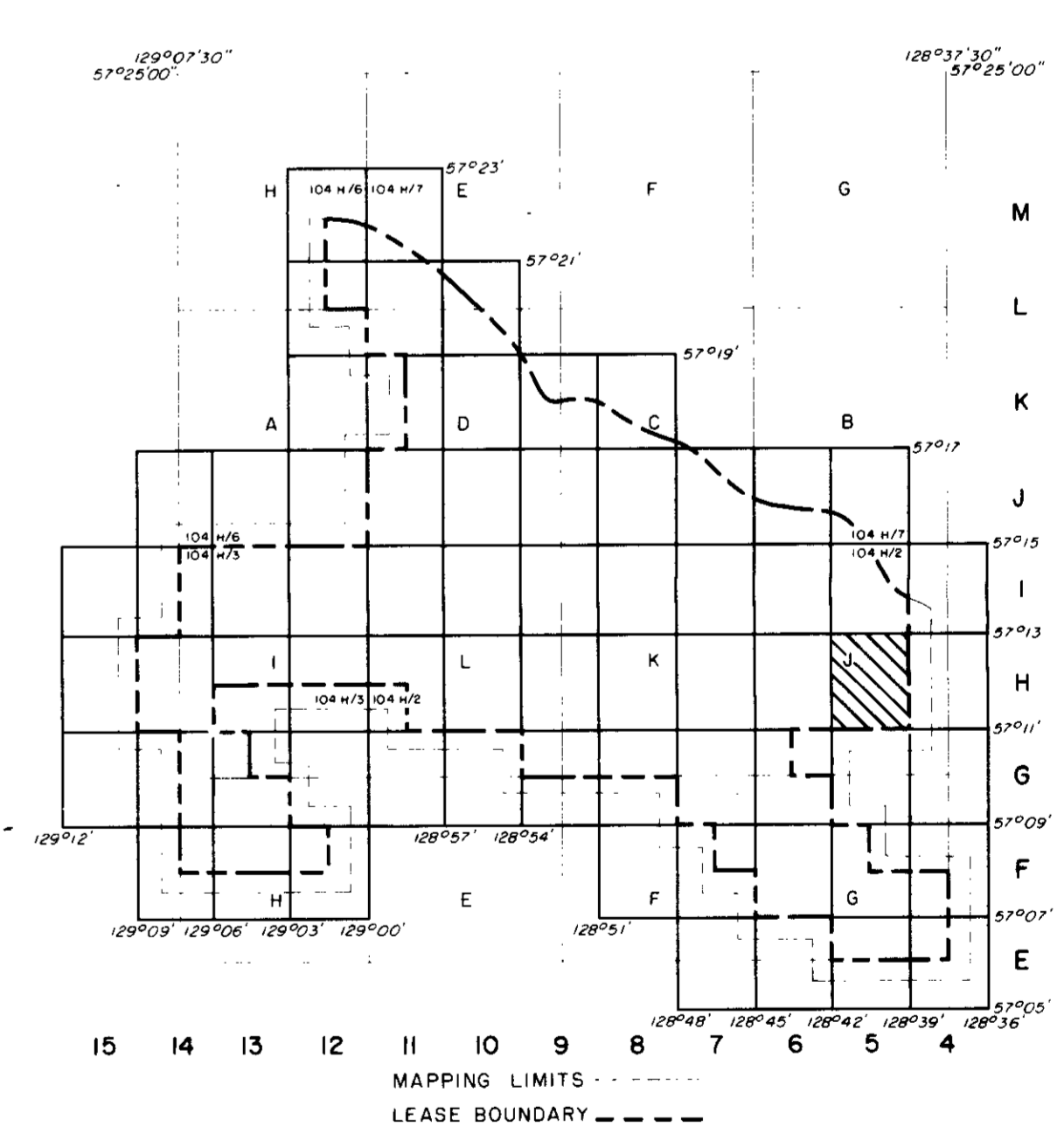
COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD.
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE)



SCALE 1:5000



**MT. KLAPPAN AREA
INDEX MAP**



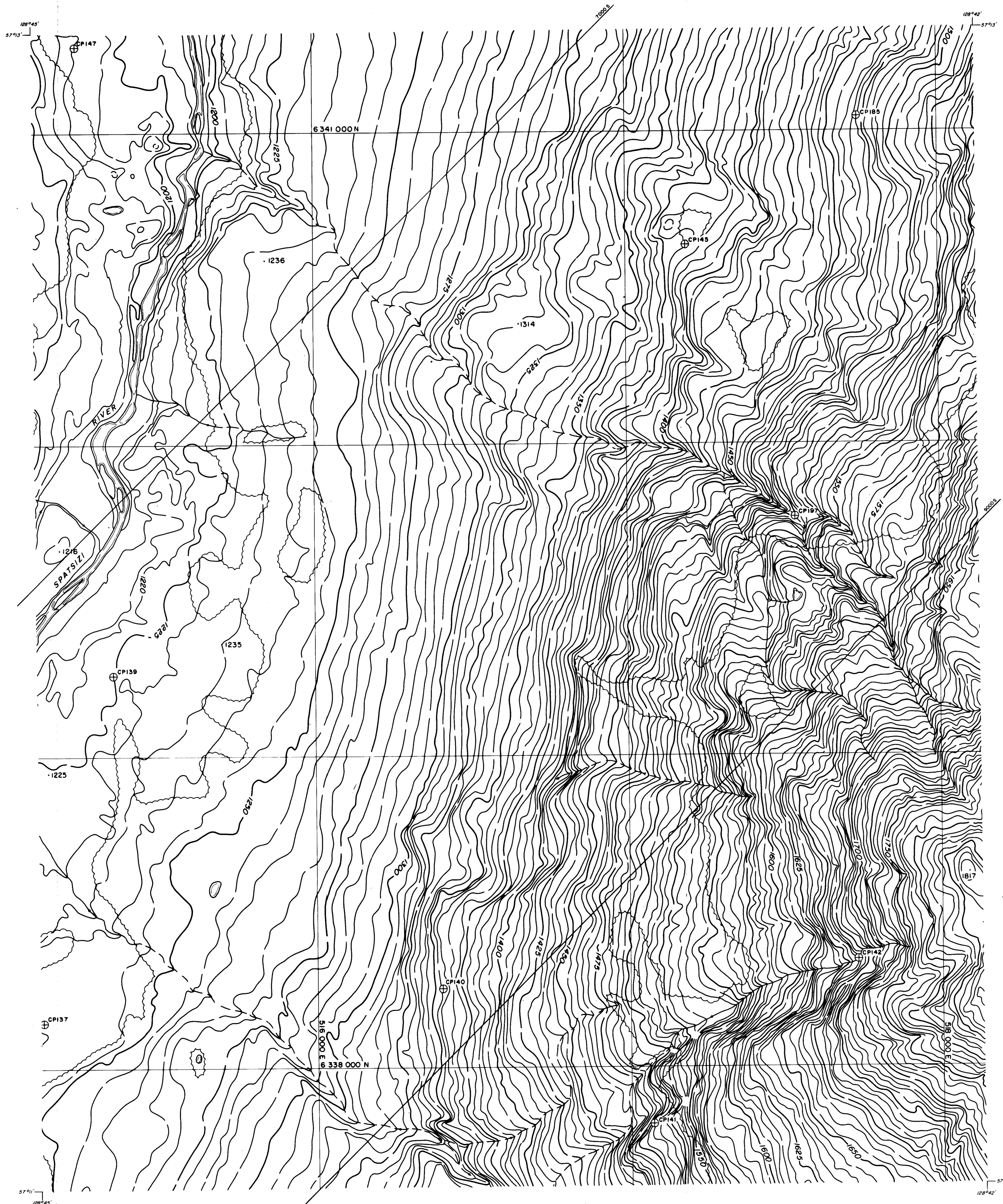
SR. MT. KLAPPAN 83(2)A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

**MT. KLAPPAN COAL PROPERTY
MAP SHEET H 5
1983 TRENCH AND DRILL HOLE
LOCATION MAP**

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN83T26



LEGEND

BUILDING	[Symbol]
ROAD, HARD SURFACE	[Symbol]
LOOSE SURFACE	[Symbol]
CART TRACK	[Symbol]
TRAIL	[Symbol]
RAILROAD BED	[Symbol]
RIVER	[Symbol]
STREAM, DEFINITE	[Symbol]
APPROXIMATE	[Symbol]
SPLIT	[Symbol]
LAKE	[Symbol]
WATER LEVEL	[Symbol]
SWAMP	[Symbol]
BEAVER DAM	[Symbol]
TREE LINE	[Symbol]
CUT LINE	[Symbol]
CONTOURS, INDEX	[Symbol]
INTERMEDIATE	[Symbol]
DEPRESSION	[Symbol]
APPROXIMATE	[Symbol]
SPOT ELEVATION	[Symbol]
FORM LINES	[Symbol]
CUT/FILL	[Symbol]
FIELD CONTROL POINT	[Symbol]
COAL LICENCE	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL: 10 M., WITH FORM LINES INTERVAL 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.

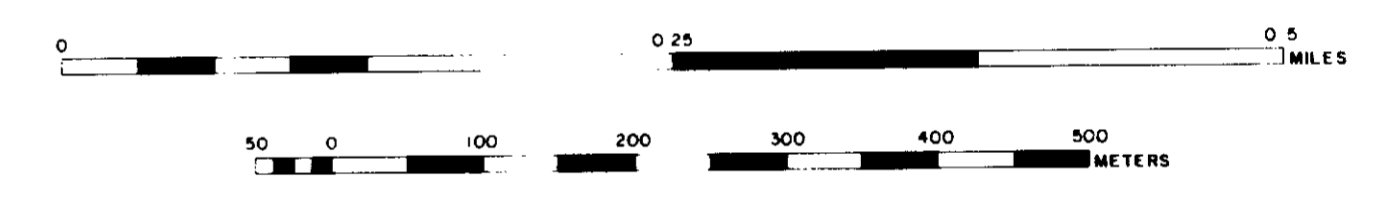
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

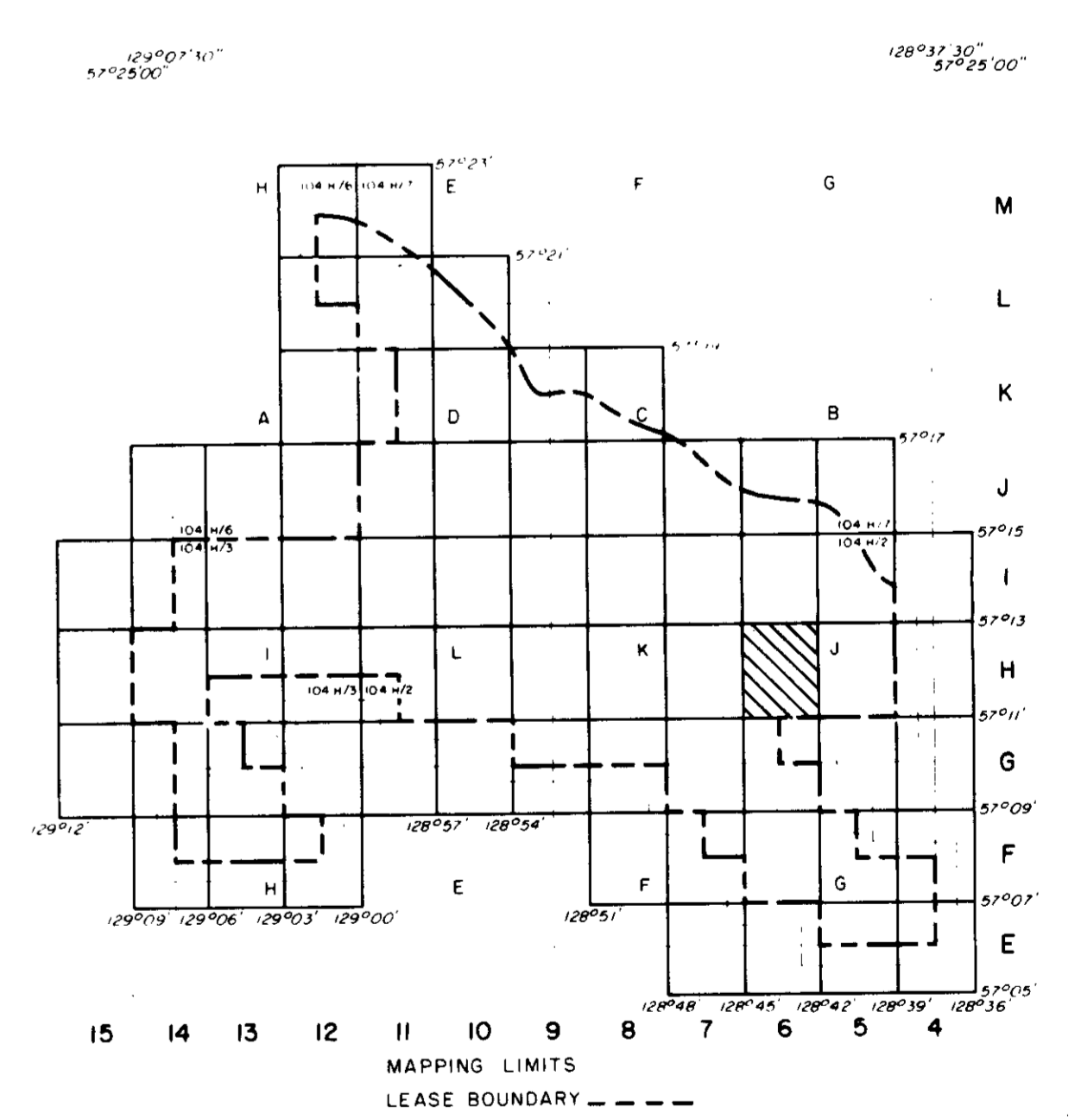
COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD MCELLELLAN LTD.
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5000



MT. KLAPPAN AREA
INDEX MAP



111

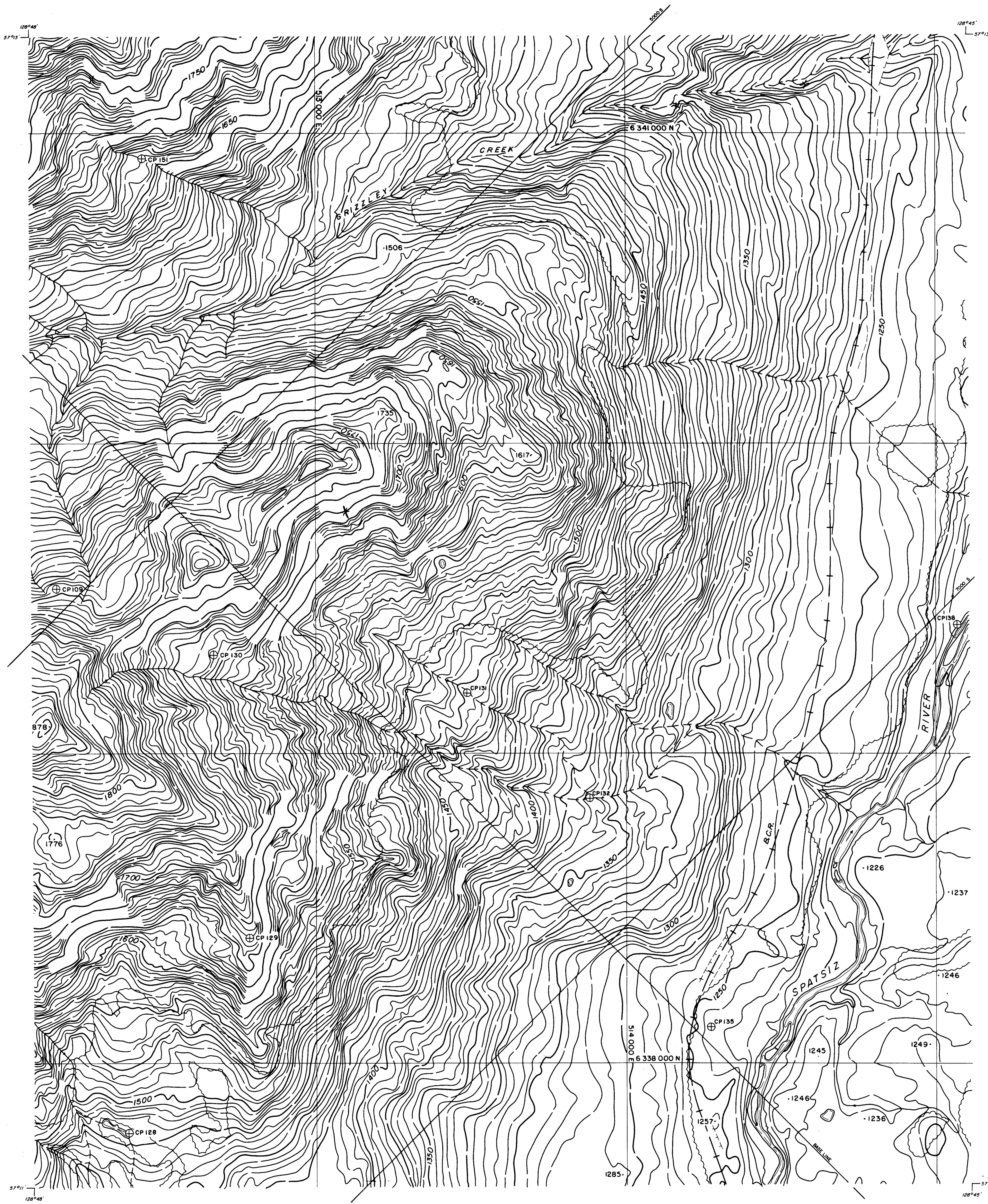
Ge- Mt. Klappan 83(2)A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

**MT. KLAPPAN COAL PROPERTY
MAP SHEET H6
1983 TRENCH AND DRILL HOLE
LOCATION MAP**

PREPARED BY: C. LOUIE	SCALE 1:5000
APPROVED BY: C. WILLIAMS	DATE: _____ DRAWING No. KPN83T27



LEGEND

BUILDING	[Symbol]
ROAD, HARD SURFACE	[Symbol]
LOOSE SURFACE	[Symbol]
CART TRACK	[Symbol]
TRAIL	[Symbol]
RAILROAD BED	[Symbol]
RIVER	[Symbol]
STREAM, DEFINITE	[Symbol]
APPROXIMATE	[Symbol]
SPLIT	[Symbol]
LAKE	[Symbol]
WATER LEVEL	[Symbol]
SWAMP	[Symbol]
BEAVER DAM	[Symbol]
TREE LINE	[Symbol]
CUT LINE	[Symbol]
CONTOURS, INDEX	[Symbol]
INTERMEDIATE	[Symbol]
DEPRESSION	[Symbol]
APPROXIMATE	[Symbol]
SPOT ELEVATION	[Symbol]
FORM LINES	[Symbol]
CUT/FILL	[Symbol]
FIELD CONTROL POINT	[Symbol]
COAL LICENCE	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

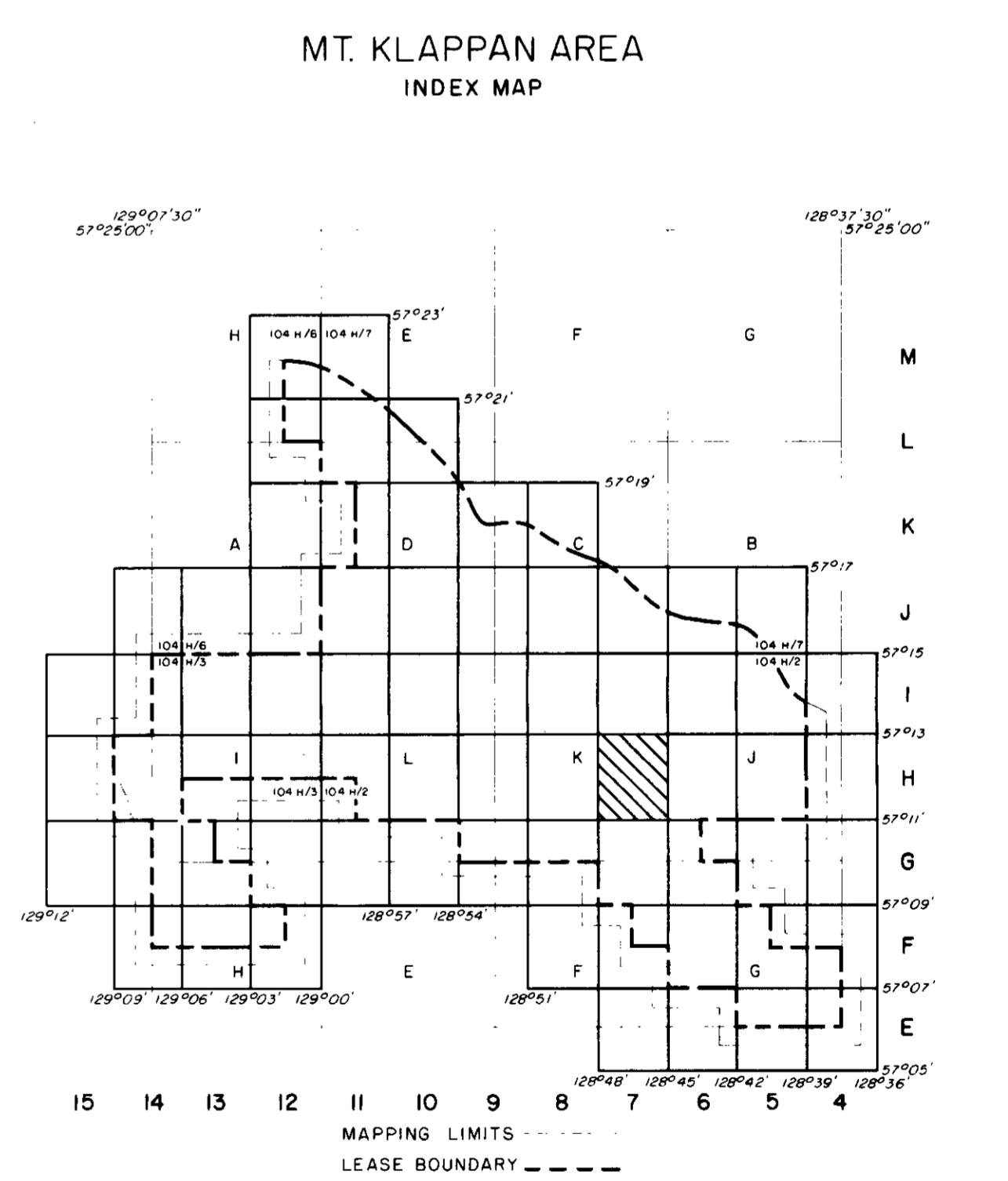
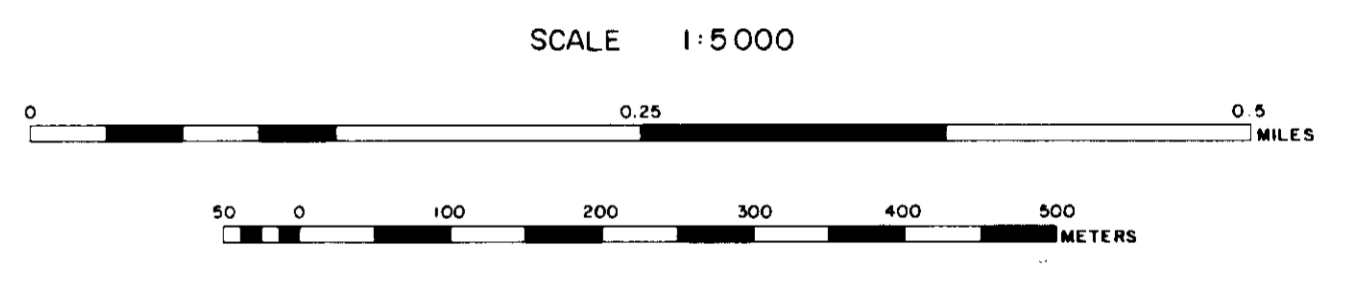
CONTOUR INTERVAL = 10 M, WITH FORM LINES INTERVAL = 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD.
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE).



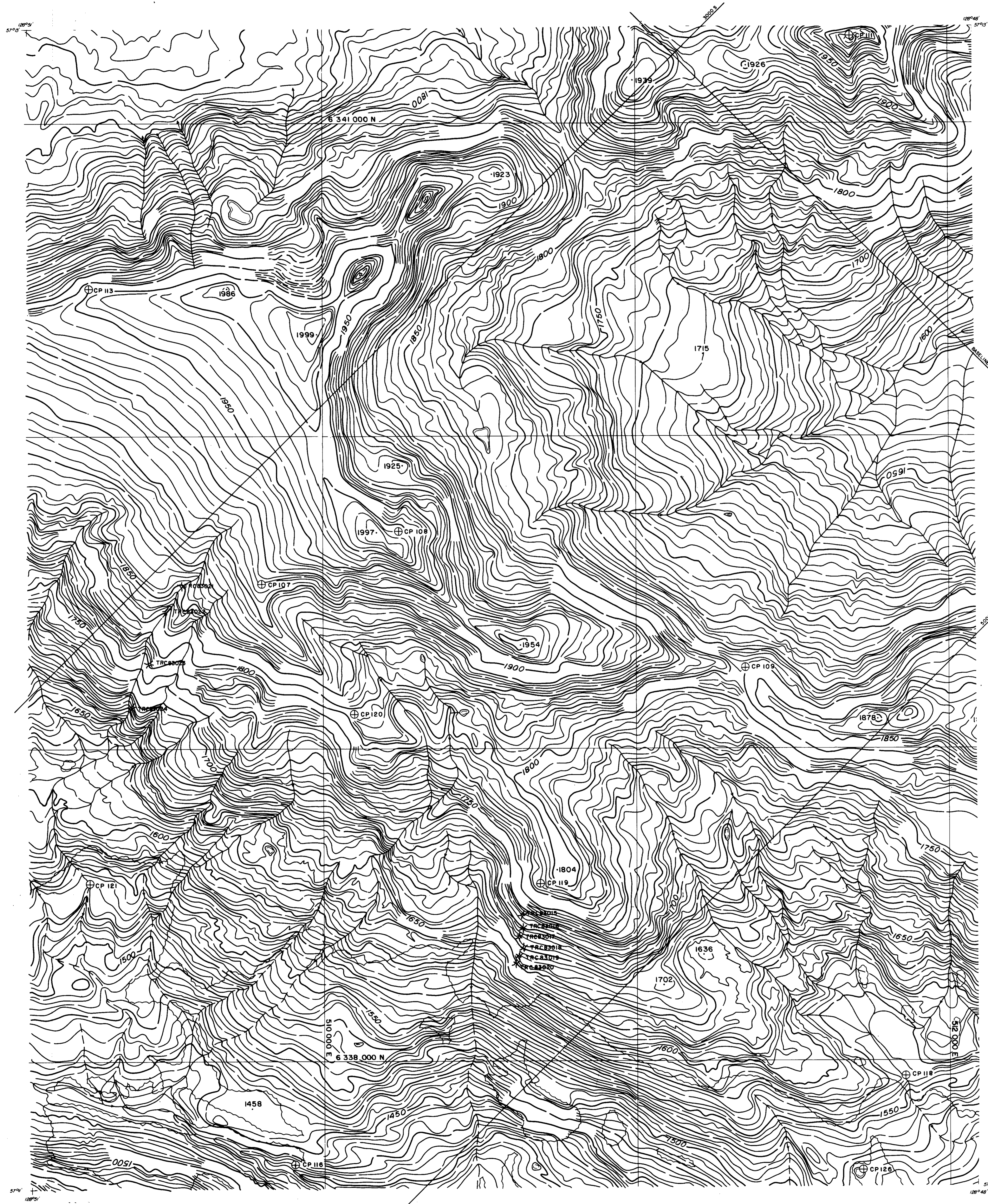
82- MT. KLAPPAN 83 (2A)

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET H 7
1983 TRENCH AND DRILL HOLE LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN83T28



LEGEND

BUILDING	[Symbol]
ROAD, HARD SURFACE	[Symbol]
LOOSE SURFACE	[Symbol]
GRAV TRACK	[Symbol]
TRAIL	[Symbol]
RAILROAD BED	[Symbol]
RIVER	[Symbol]
STREAM, DEFINITE	[Symbol]
APPROXIMATE	[Symbol]
SPLIT	[Symbol]
LAKE	[Symbol]
WATER LEVEL	[Symbol]
SWAMP	[Symbol]
BEAVER DAM	[Symbol]
TREE LINE	[Symbol]
CUT LINE	[Symbol]
CONTOURS, INDEX	[Symbol]
INTERMEDIATE	[Symbol]
DEPRESSION	[Symbol]
APPROXIMATE	[Symbol]
SPOT ELEVATION	[Symbol]
FORM LINES	[Symbol]
CUT/FILL	[Symbol]
FIELD CONTROL POINT	[Symbol]
COAL LICENCE	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL: 10 M., WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5 M. FORM LINES IS EQUAL TO THE ACCURACY OF THE 10 M. CONTOURS—15.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.

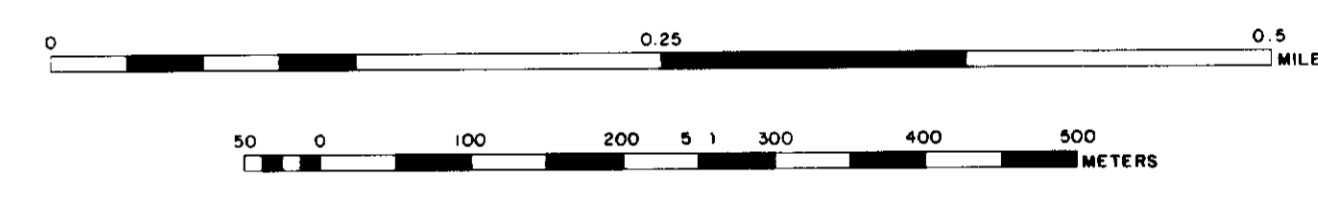
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

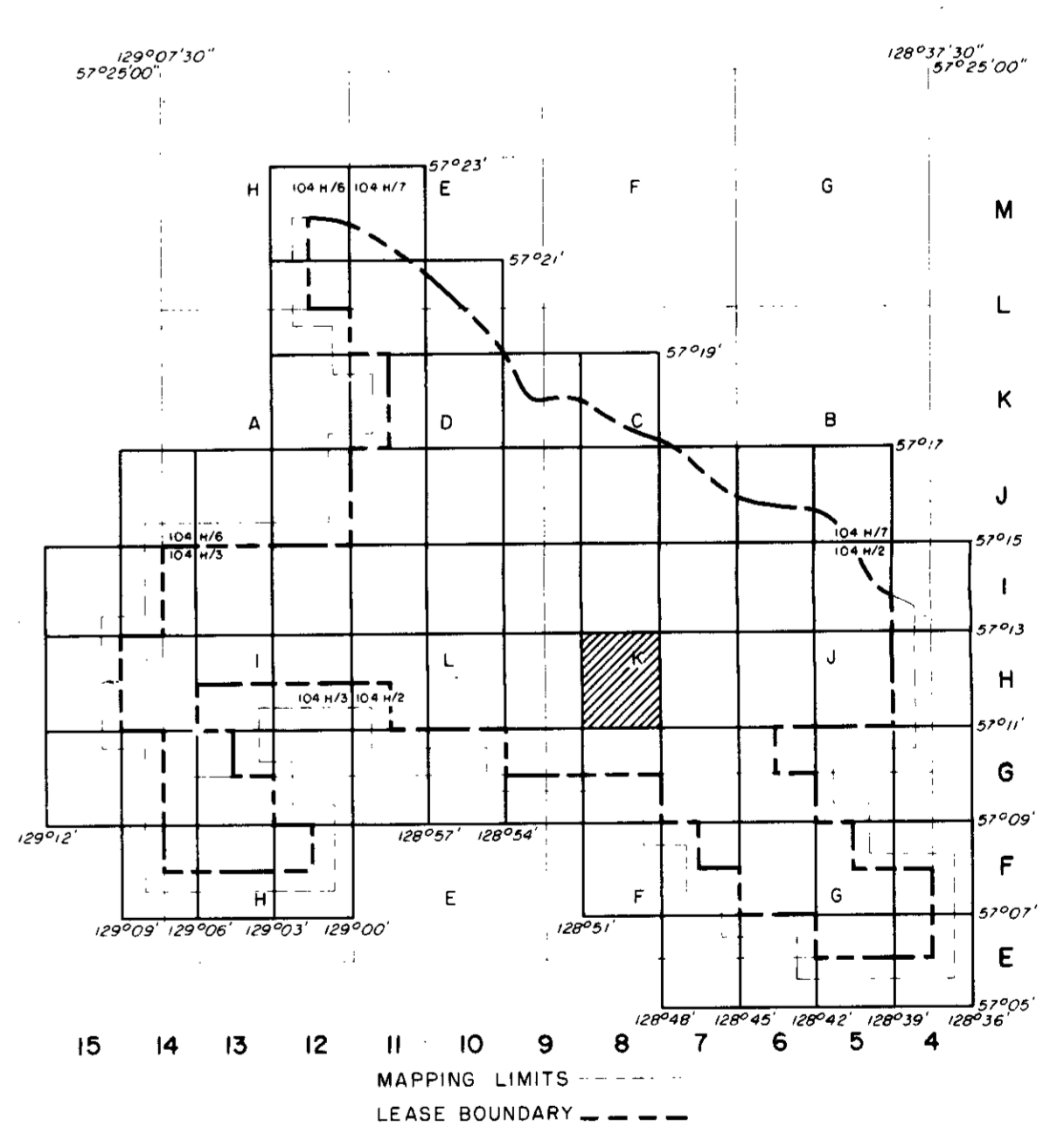
COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD MCELLELLAN LTD.,
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5000



MT. KLAPPAN AREA INDEX MAP



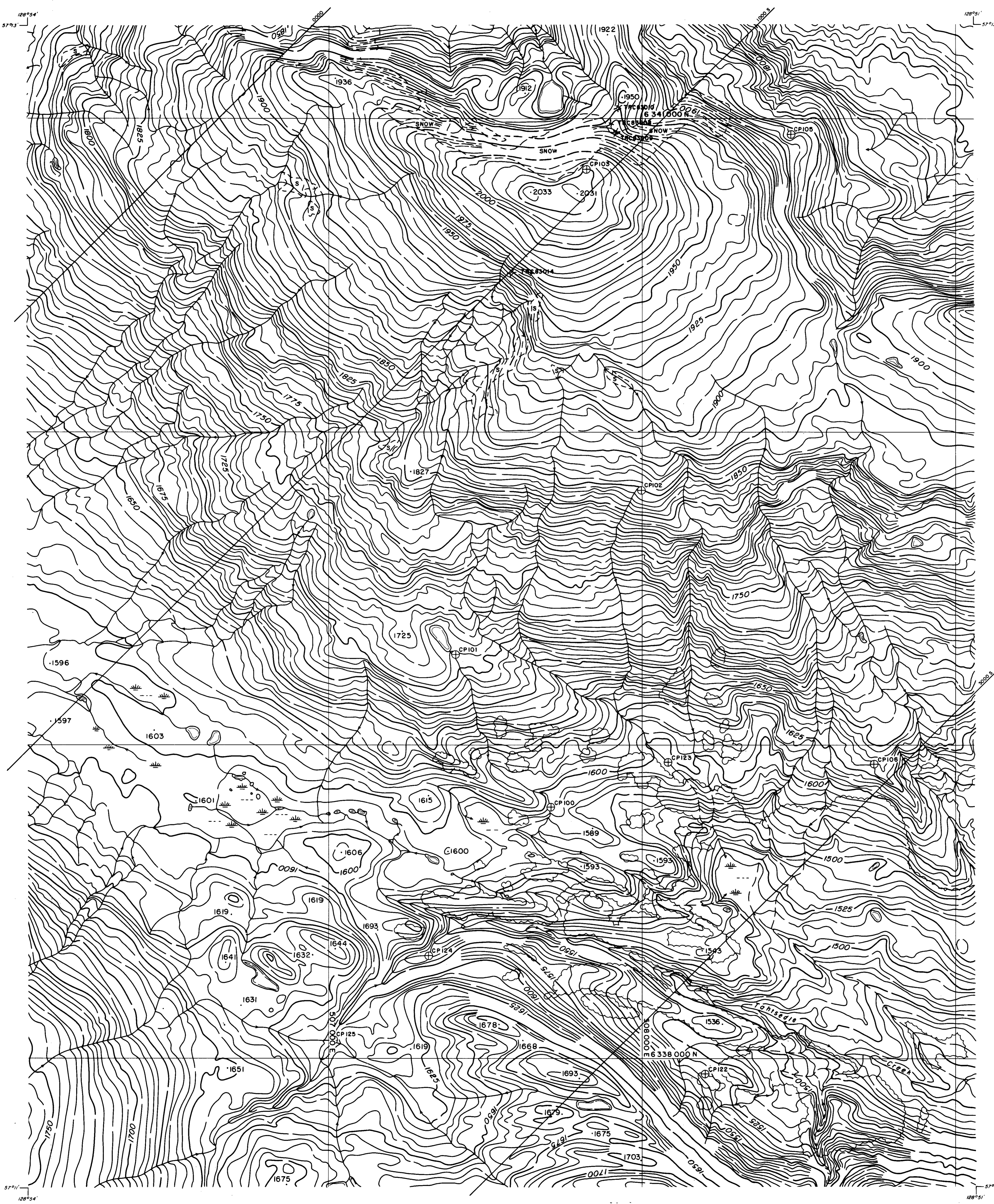
Co. Mt. Klappan 83 (A)

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET H 8
1983 TRENCH AND DRILL HOLE LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN83T29



LEGEND

BUILDING	---	[Symbol]
ROAD, HARD SURFACE	---	[Symbol]
LOOSE SURFACE	---	[Symbol]
CART TRACK	---	[Symbol]
TRAIL	---	[Symbol]
RAILROAD BED	---	[Symbol]
RIVER	---	[Symbol]
STREAM, DEFINITE	---	[Symbol]
STREAM, APPROXIMATE	---	[Symbol]
SPLIT	---	[Symbol]
LAKE	---	[Symbol]
WATER LEVEL	---	[Symbol]
SWAMP	---	[Symbol]
BEAVER DAM	---	[Symbol]
TREE LINE	---	[Symbol]
CUT LINE	---	[Symbol]
CONTOURS, INDEX	---	[Symbol]
INTERMEDIATE	---	[Symbol]
DEPRESSION	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPOT ELEVATION	---	[Symbol]
FORM LINES	---	[Symbol]
CUT/FILL	---	[Symbol]
FIELD CONTROL POINT	---	[Symbol]
COAL LICENCE	---	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL: 10 M., WITH FORM LINES INTERVAL: 5 M.

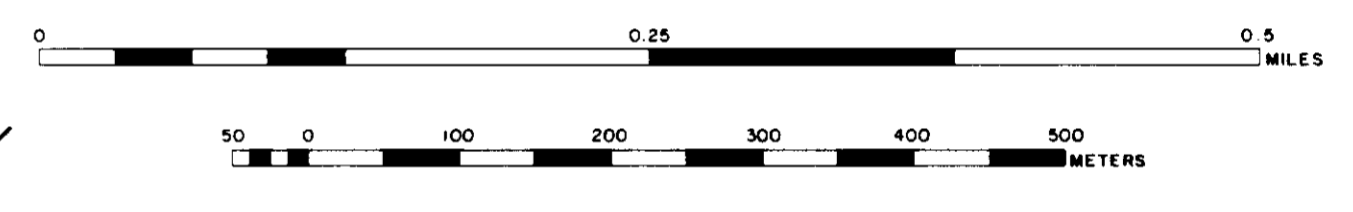
ACCURACY OF 5 M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10 M CONTOURS - 15.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.

SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

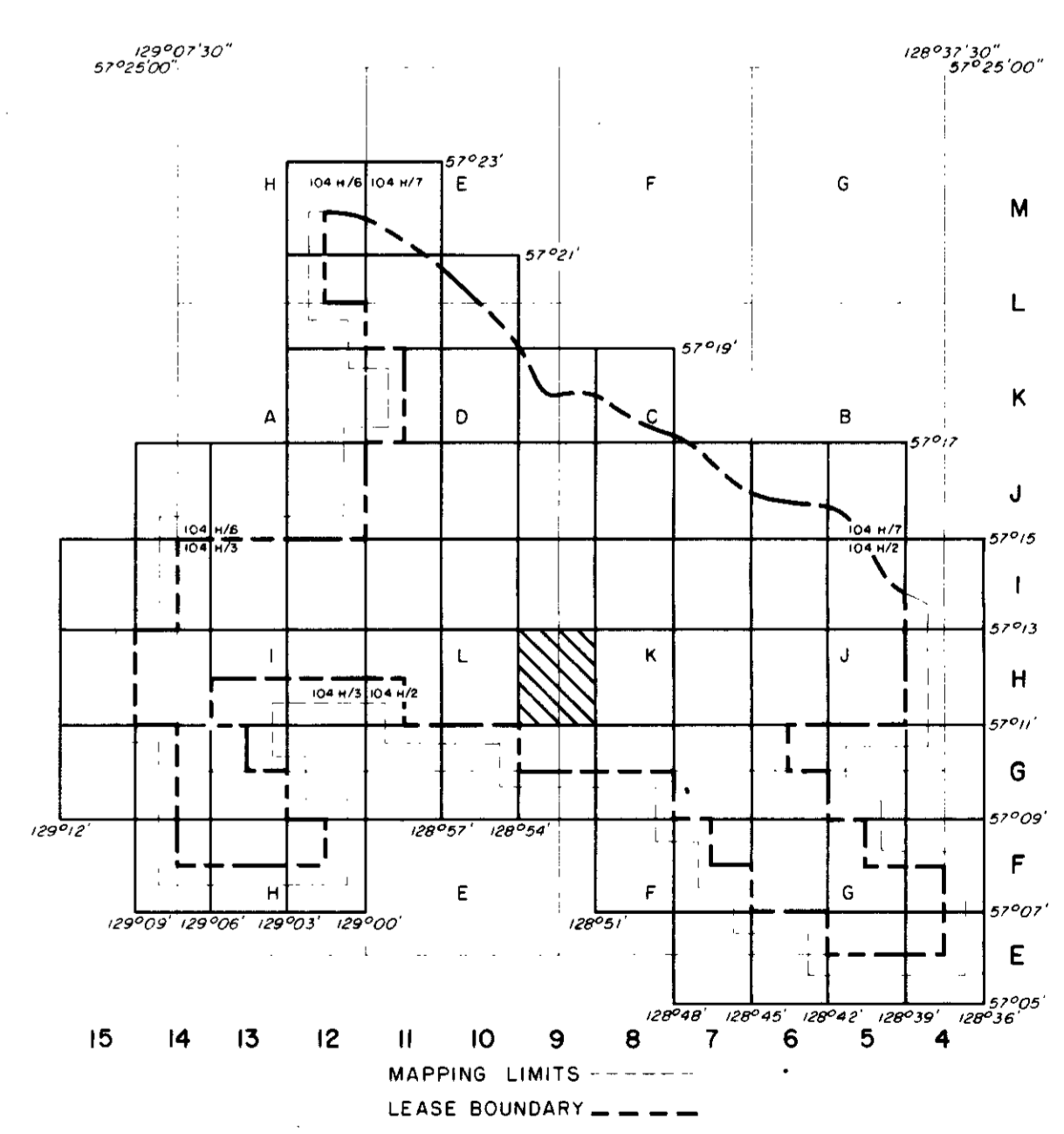
RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

COMPILED BY: WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE).

SCALE 1:5,000

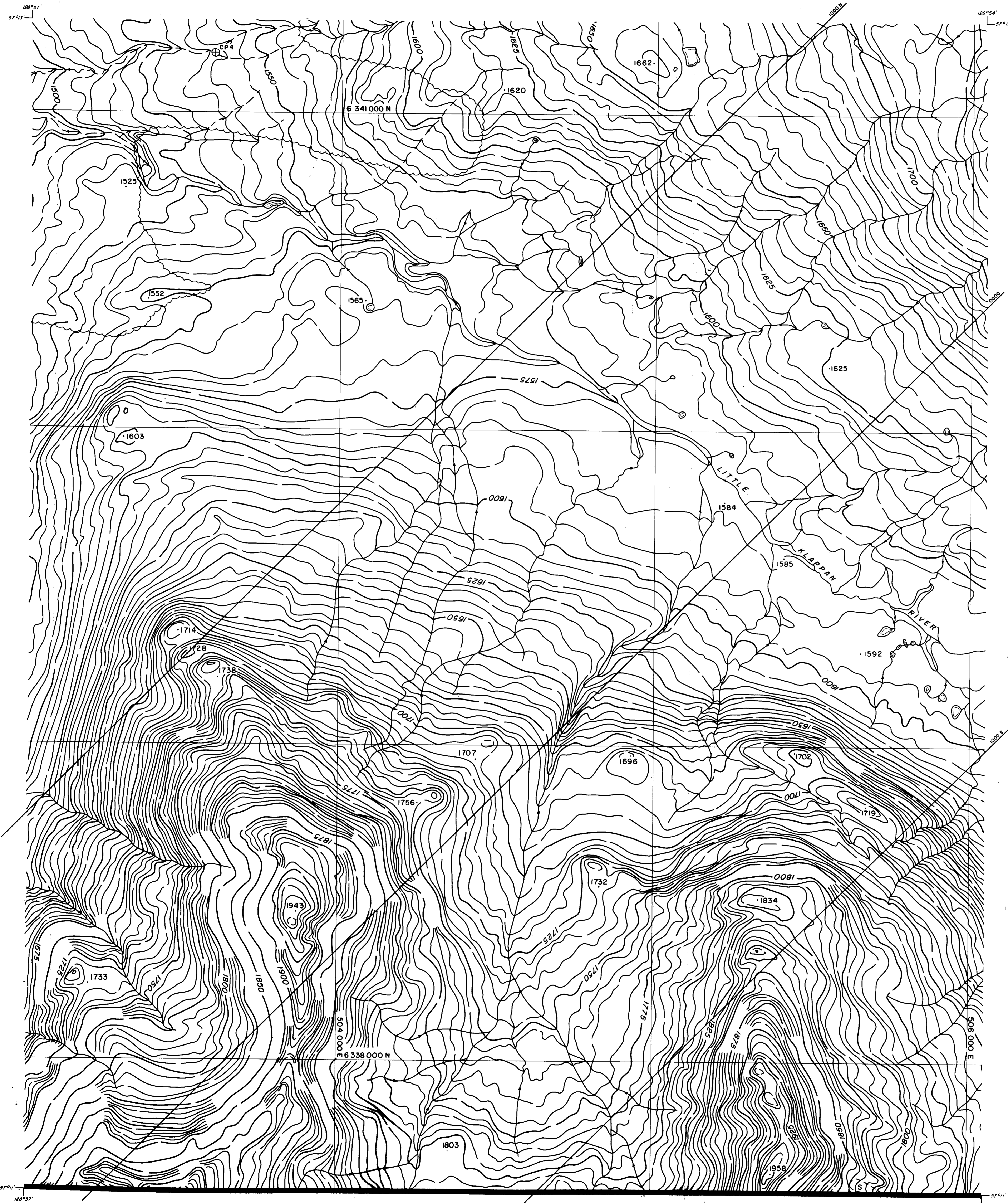


MT. KLAPPAN AREA INDEX MAP



See Mt. Klappan 83(2)A

GULF CANADA RESOURCES INC.		
CALGARY	Coal Division	
MT. KLAPPAN COAL PROPERTY		
MAP SHEET H 9		
1983 TRENCH AND DRILL HOLE LOCATION MAP		
PREPARED BY: C. LOUIE		SCALE 1:5000
APPROVED BY: C. WILLIAMS		DATE: JAN, 1984 DRAWING No. KPN83T30



LEGEND

BUILDING	[Symbol]
ROAD, HARD SURFACE	[Symbol]
LOOSE SURFACE	[Symbol]
CART TRACK	[Symbol]
TRAIL	[Symbol]
RAILROAD BED	[Symbol]
RIVER	[Symbol]
STREAM, DEFINITE	[Symbol]
APPROXIMATE	[Symbol]
SPLIT	[Symbol]
LAKE	[Symbol]
WATER LEVEL	[Symbol]
SWAMP	[Symbol]
BEAVER DAM	[Symbol]
TREE LINE	[Symbol]
CUT LINE	[Symbol]
CONTOURS, INDEX	[Symbol]
INTERMEDIATE	[Symbol]
DEPRESSION	[Symbol]
APPROXIMATE	[Symbol]
SPOT ELEVATION	[Symbol]
FORM LINES	[Symbol]
CUT/FILL	[Symbol]
FIELD CONTROL POINT	[Symbol]
COAL LICENCE	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL: 10 M, WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

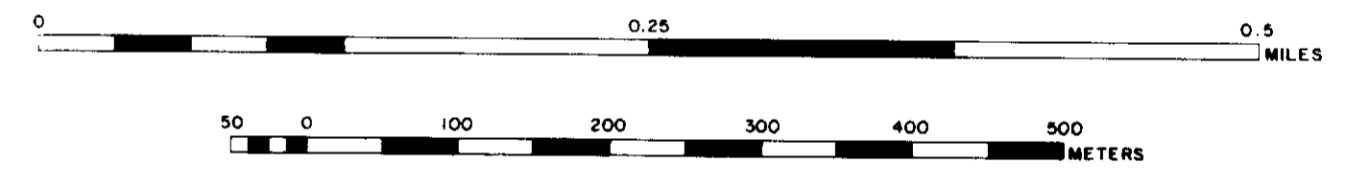
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

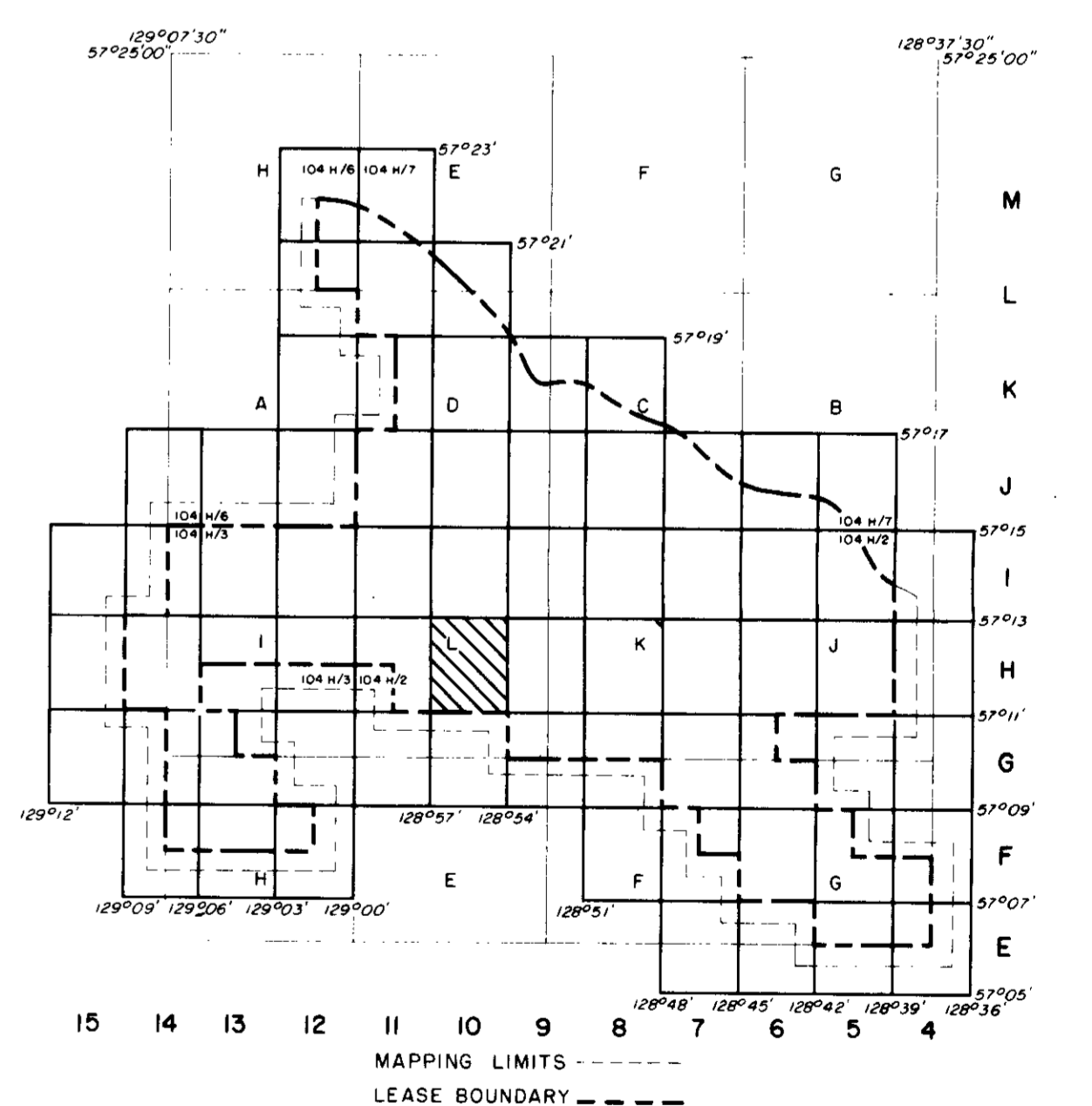
COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD.,
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5000



MT. KLAPPAN AREA
INDEX MAP



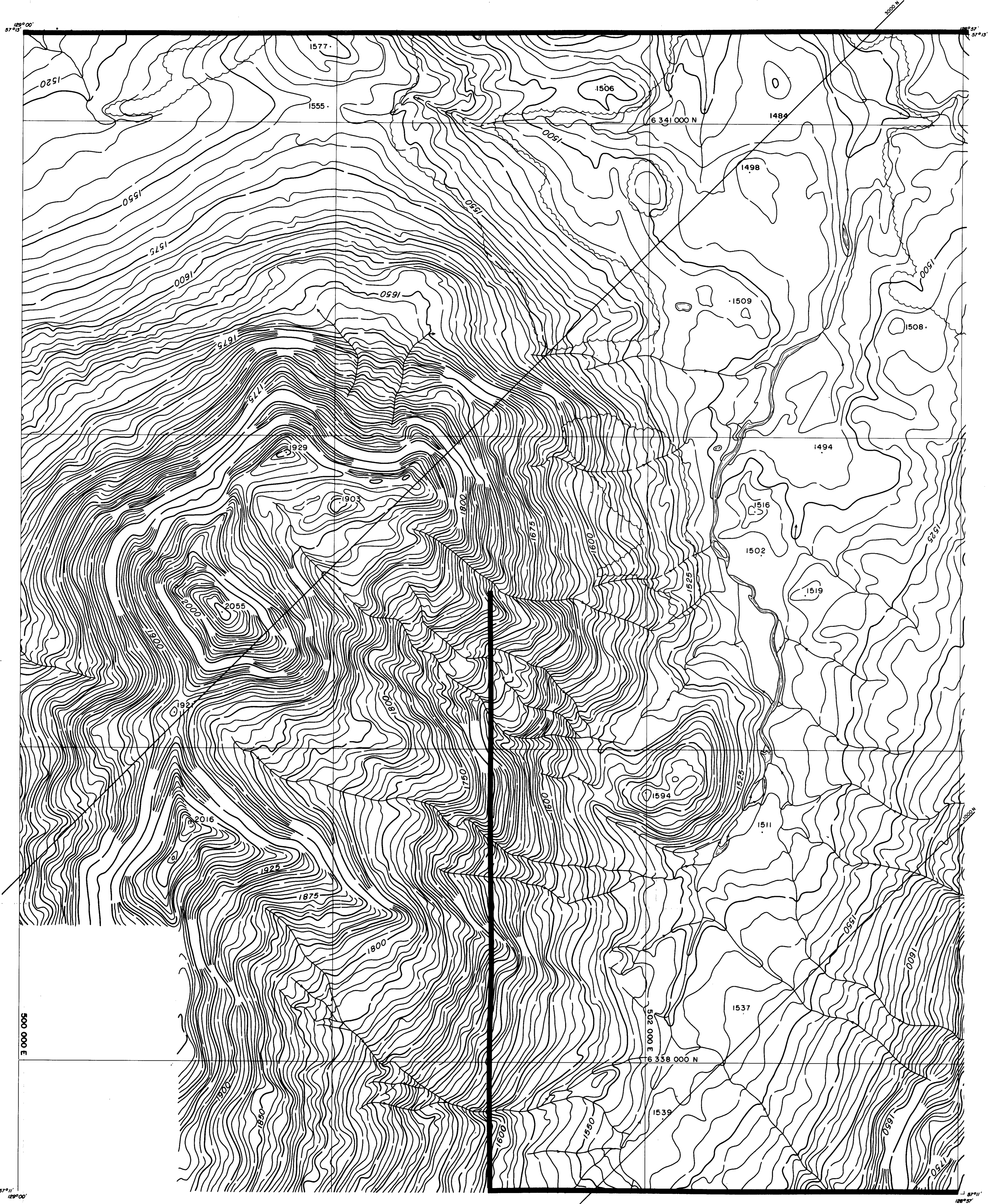
GR. MT. KLAPPAN 83(6)1A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

**MT. KLAPPAN COAL PROPERTY
MAP SHEET H 10
1983 TRENCH AND DRILL HOLE
LOCATION MAP**

PREPARED BY: C. LOUHE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. XPM83T31



LEGEND

BUILDING	---	[Symbol]
ROAD, HARD SURFACE	---	[Symbol]
LOOSE SURFACE	---	[Symbol]
CART TRACK	---	[Symbol]
TRAIL	---	[Symbol]
RAILROAD BED	---	[Symbol]
RIVER	---	[Symbol]
STREAM, DEFINITE	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPLIT	---	[Symbol]
LAKE	---	[Symbol]
WATER LEVEL	---	[Symbol]
SWAMP	---	[Symbol]
BEAVER DAM	---	[Symbol]
TREE LINE	---	[Symbol]
CUT LINE	---	[Symbol]
CONTOURS, INDEX	---	[Symbol]
INTERMEDIATE	---	[Symbol]
DEPRESSION	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPOT ELEVATION	---	[Symbol]
FORM LINES	---	[Symbol]
CUT/FILL	---	[Symbol]
FIELD CONTROL POINT	---	[Symbol]
COAL LICENCE	---	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL = 10 M, WITH FORM LINES INTERVAL = 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OBTURBLED BY TREES OR VEGETATION.

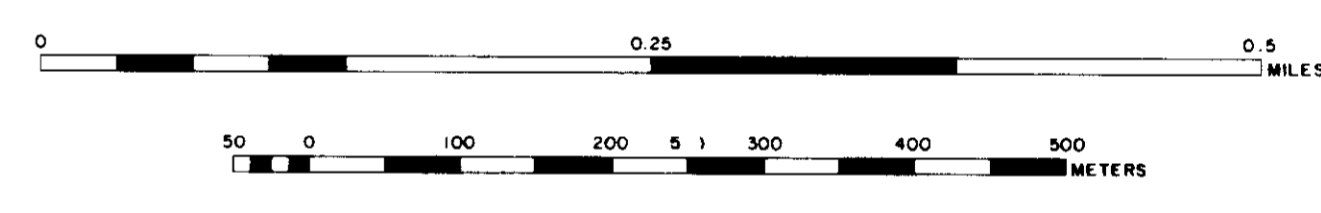
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

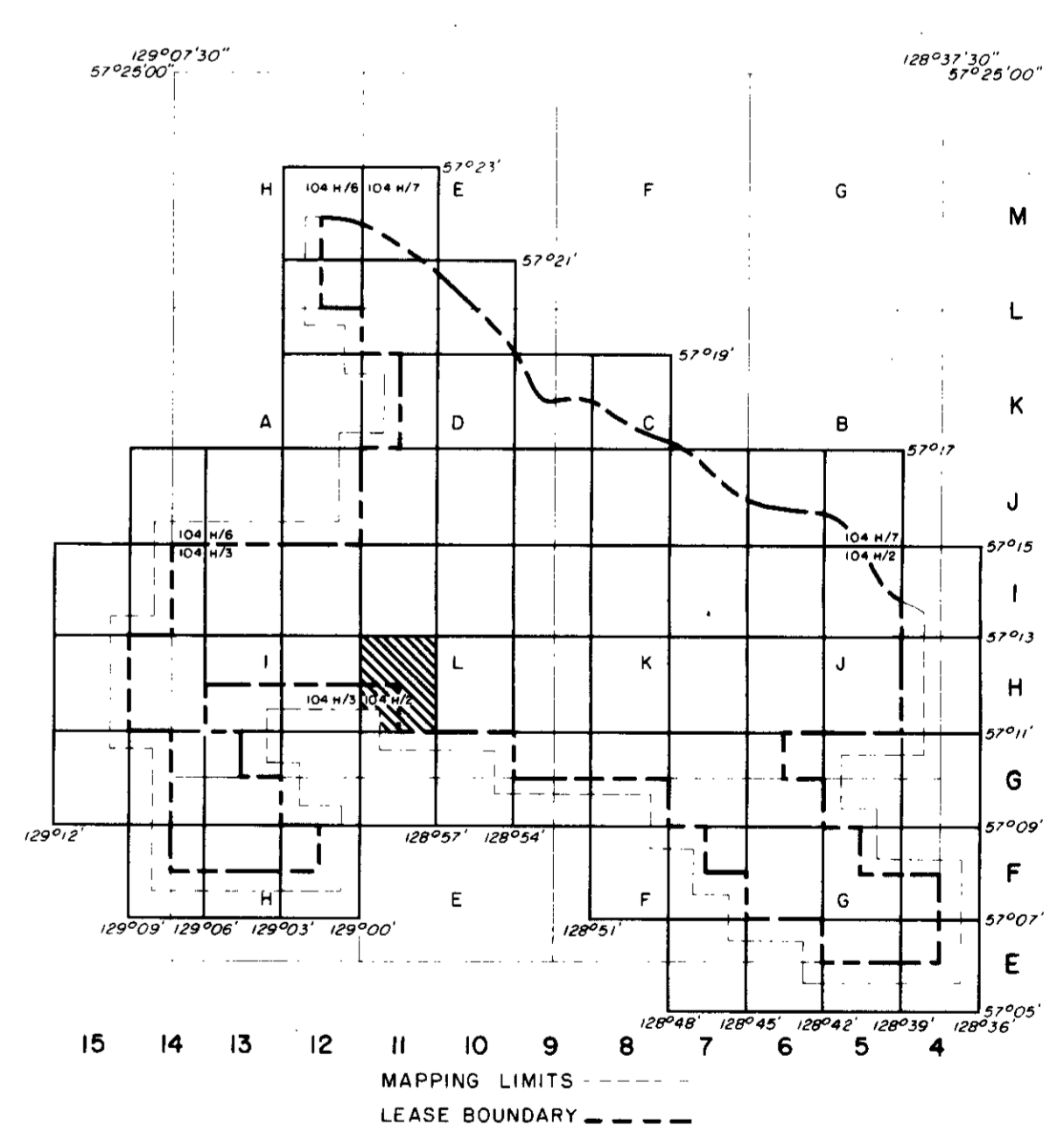
COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD MCELLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/87 AT A SCALE OF 1:6000 (APPROXIMATE).



SCALE 1:5000



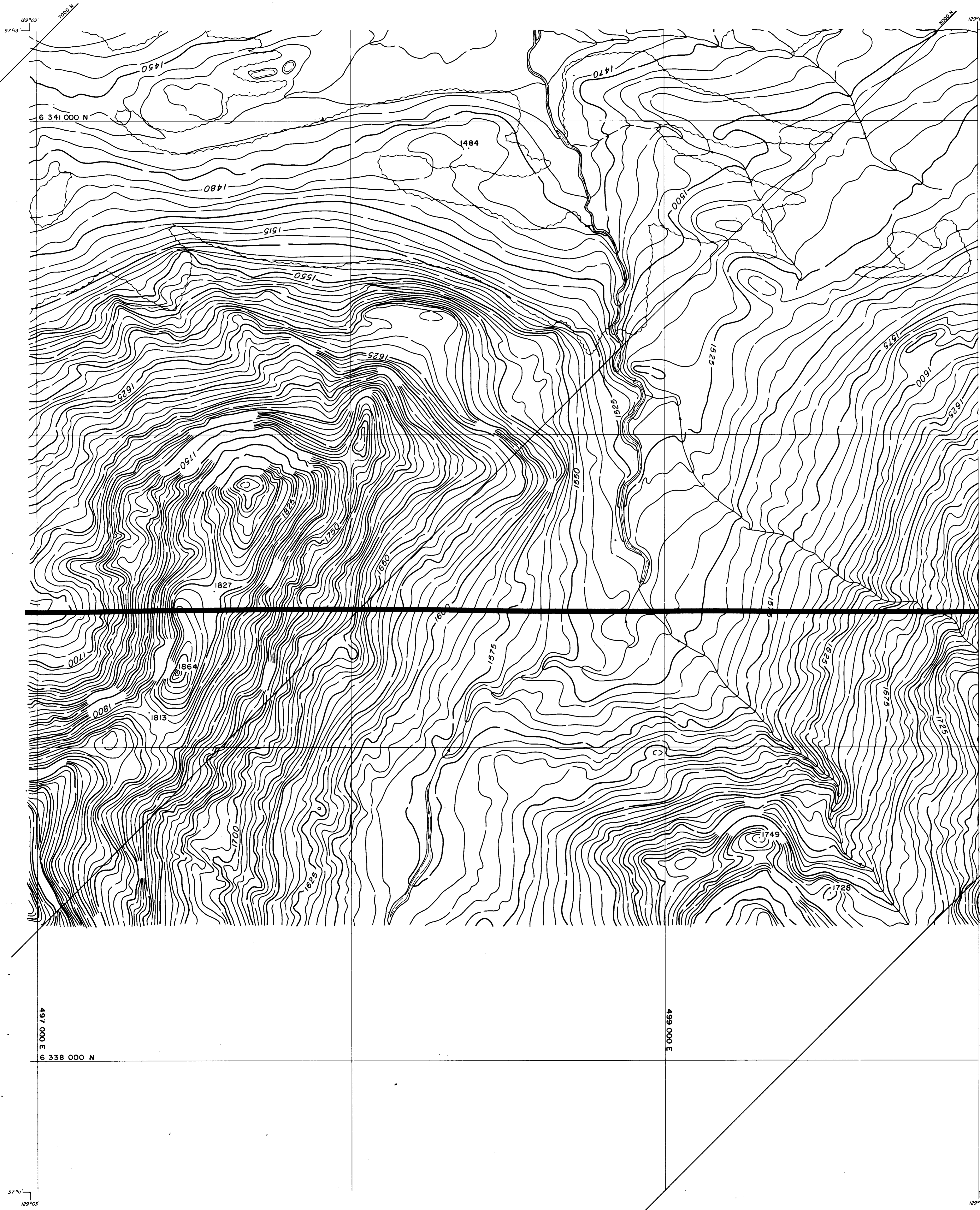
MT. KLAPPAN AREA INDEX MAP



Prepared by: C. Louie
GULF CANADA RESOURCES INC.
 Coal Division
 CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET H 11
1983 TRENCH AND DRILL HOLE LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
 APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN83732



LEGEND

BUILDING	[Symbol]
ROAD, HARD SURFACE	[Symbol]
LOOSE SURFACE	[Symbol]
CART TRACK	[Symbol]
TRAIL	[Symbol]
RAILROAD BED	[Symbol]
RIVER	[Symbol]
STREAM, DEFINITE	[Symbol]
STREAM, APPROXIMATE	[Symbol]
SPLIT	[Symbol]
LAKE	[Symbol]
WATER LEVEL	[Symbol]
SWAMP	[Symbol]
BEAVER DAM	[Symbol]
TREE LINE	[Symbol]
CUT LINE	[Symbol]
CONTOURS, INDEX	[Symbol]
INTERMEDIATE	[Symbol]
DEPRESSION	[Symbol]
APPROXIMATE	[Symbol]
SPOT ELEVATION	[Symbol]
FORM LINES	[Symbol]
CUT/FILL	[Symbol]
FIELD CONTROL POINT	[Symbol]
COAL LICENCE	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES

CONTOUR INTERVAL = 10 M., WITH FORM LINES INTERVAL = 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS + 15.0 METERS FOR GROUND NOT OBSERVED BY TREES OR VEGETATION.

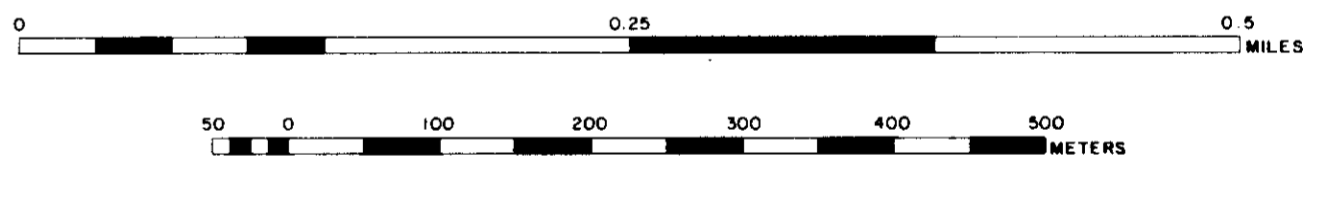
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

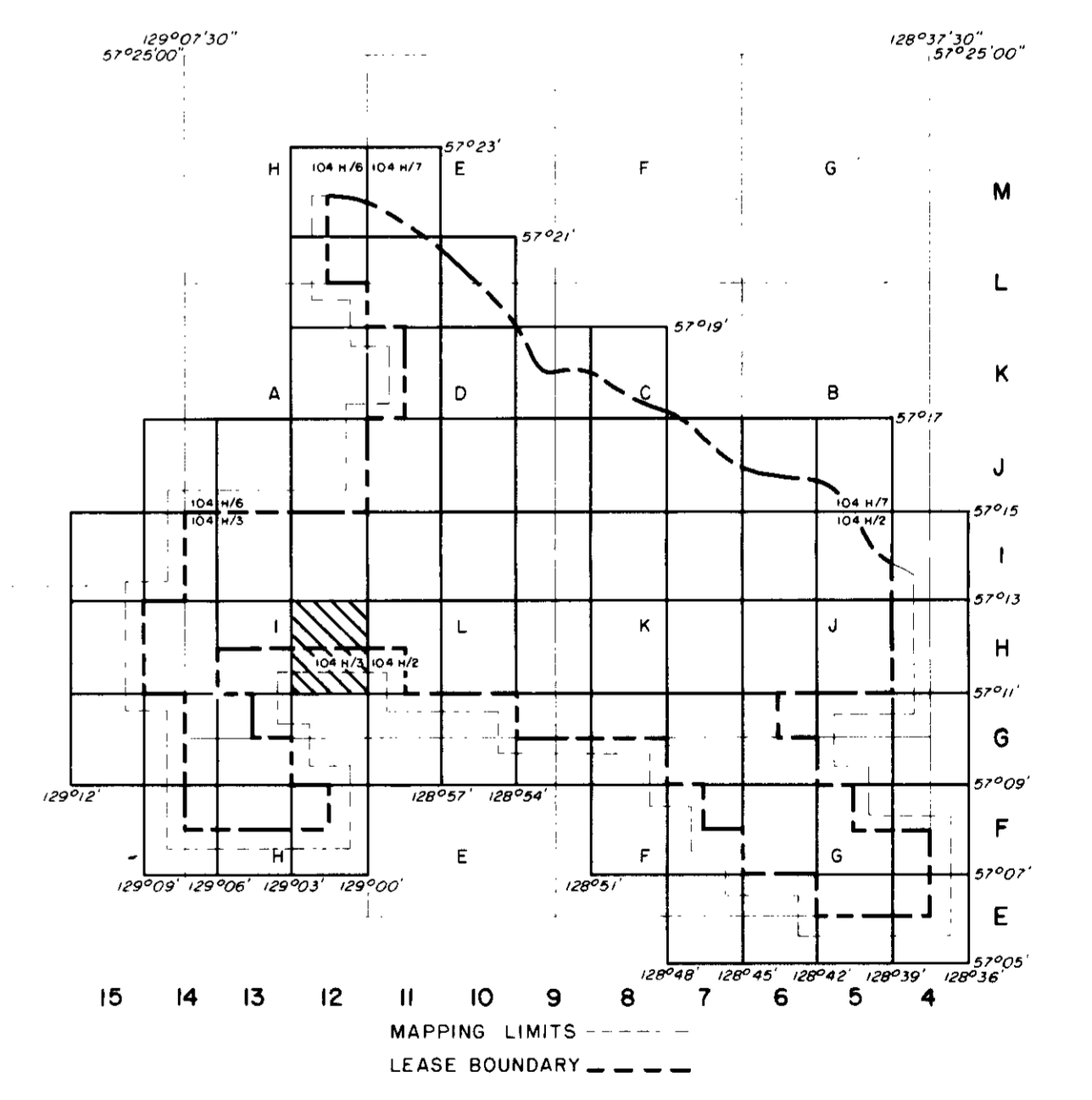
COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE)



SCALE 1:5,000



MT. KLAPPAN AREA INDEX MAP



Gulf Canada Resources Inc. logo

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET H 12
1983 TRENCH AND DRILL HOLE
LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5,000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN8333

129°06'
57°13'

129°03'
57°13'

LEGEND

BUILDING	---	---
ROAD, HARD SURFACE	---	---
ROAD, LOOSE SURFACE	---	---
CART TRACK	---	---
TRAIL	---	---
RAILROAD BED	---	---
RIVER	---	---
STREAM, DEFINITE	---	---
STREAM, APPROXIMATE	---	---
LAKE	---	---
WATER LEVEL	---	---
SWAMP	---	---
BEAVER DAM	---	---
TREE LINE	---	---
CUT LINE	---	---
CONTOURS, INDEX	---	---
CONTOURS, INTERMEDIATE	---	---
CONTOURS, DEPRESSION	---	---
CONTOURS, APPROXIMATE	---	---
SPOT ELEVATION	---	---
FORM LINES	---	---
CUT/FILL	---	---
FIELD CONTROL POINT	---	---
COAL LICENCE	---	---

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL: 10 M., WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - ±5.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

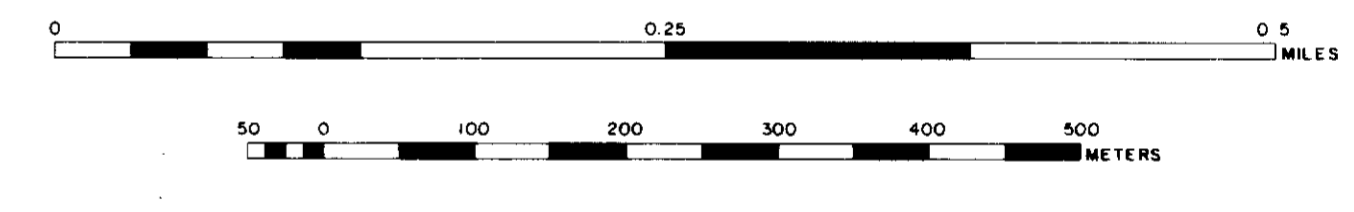
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

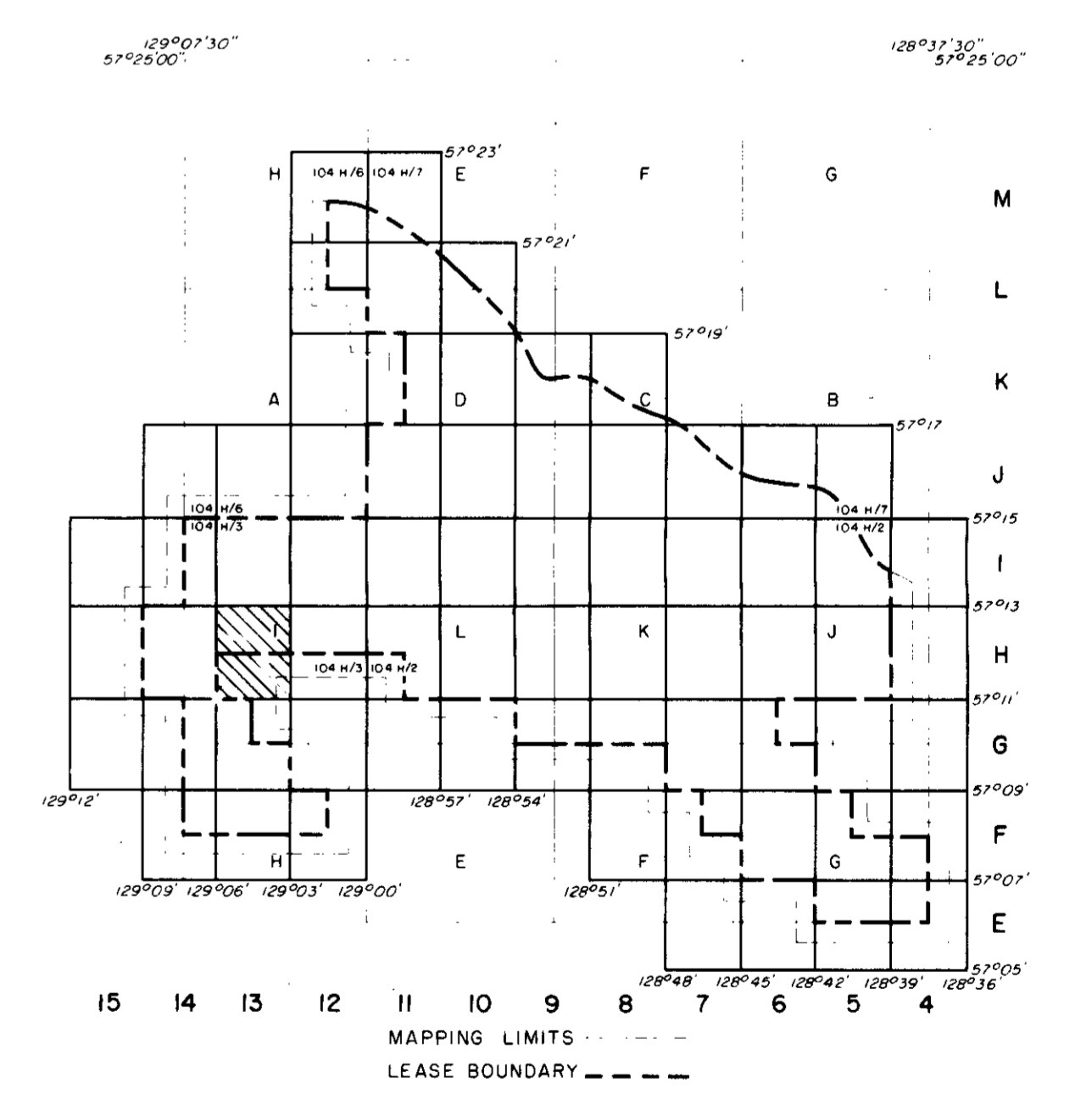
COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5000



MT. KLAPPAN AREA INDEX MAP



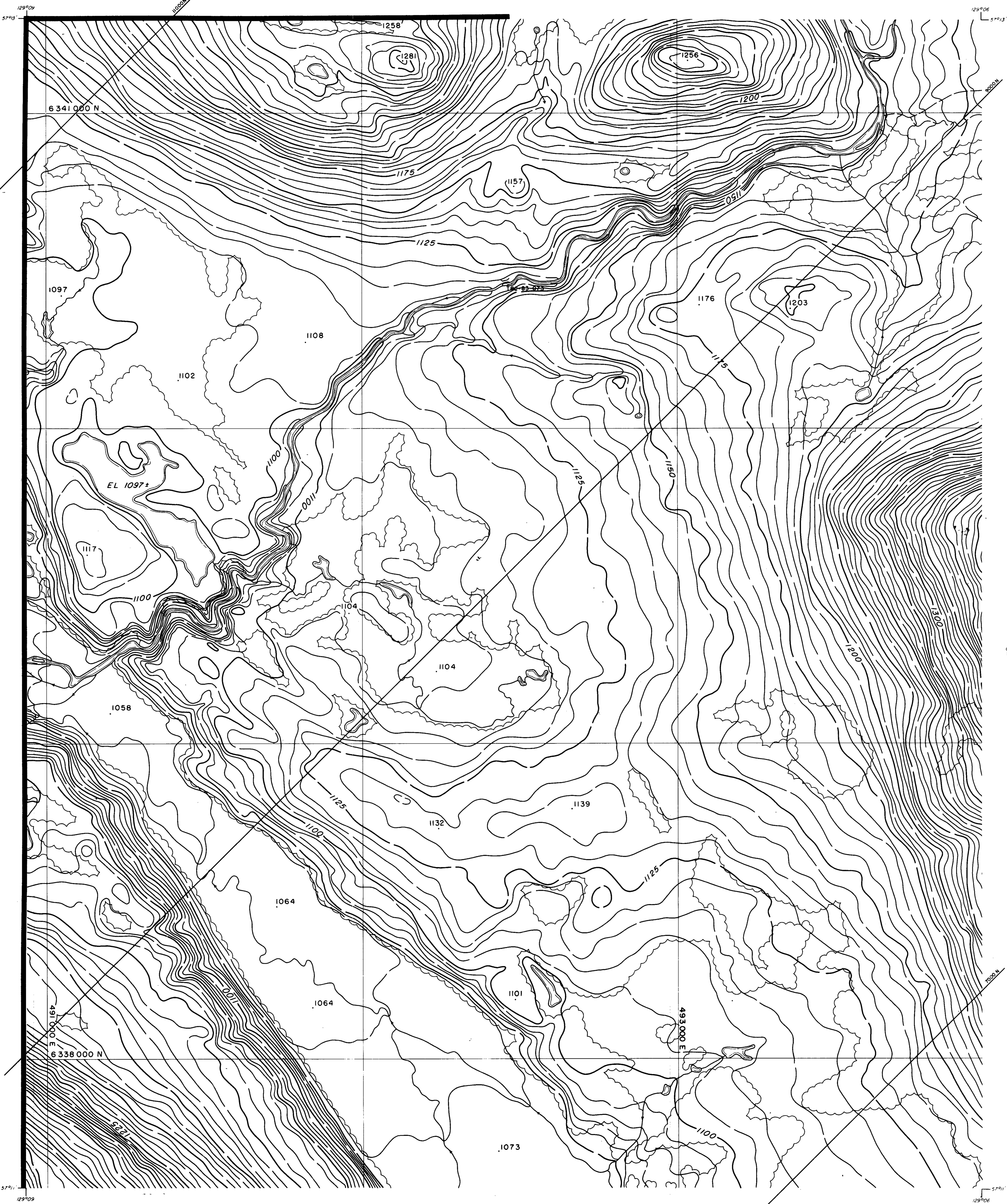
Gr. Mt. Klappan 83(2)A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET H 13
1983 TRENCH AND DRILL HOLE LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN83T54



LEGEND

BUILDING SURFACE	---	[Symbol]
ROAD, HARD SURFACE	---	[Symbol]
LOOSE SURFACE	---	[Symbol]
CART TRACK	---	[Symbol]
TRAIL	---	[Symbol]
RAILROAD BED	---	[Symbol]
RIVER	---	[Symbol]
STREAM, DEFINITE	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPLIT	---	[Symbol]
LAKE	---	[Symbol]
WATER LEVEL	---	[Symbol]
SWAMP	---	[Symbol]
BEAVER DAM	---	[Symbol]
TREE LINE	---	[Symbol]
CUT LINE	---	[Symbol]
CONTOURS, INDEX	---	[Symbol]
INTERMEDIATE	---	[Symbol]
DEPRESSION	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPOT ELEVATION	---	[Symbol]
FORM LINES	---	[Symbol]
CUT/FILL	---	[Symbol]
FIELD CONTROL POINT	---	[Symbol]
COAL LICENCE	---	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

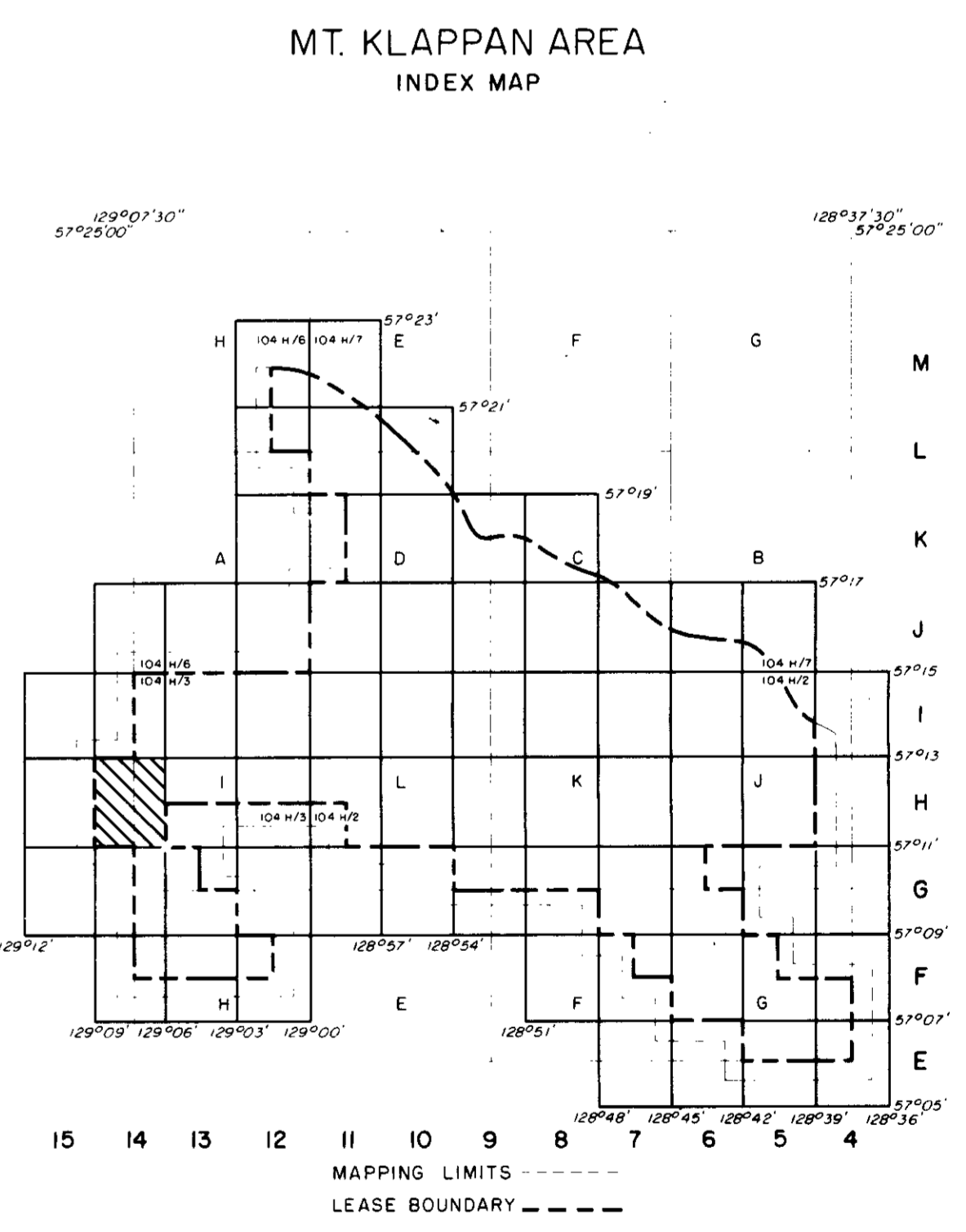
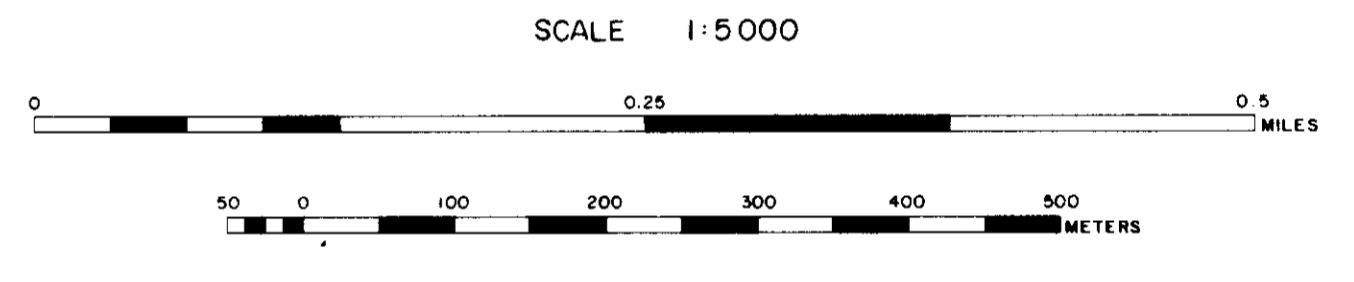
CONTOUR INTERVAL: 10 M., WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5 M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10 M CONTOURS - ±5.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.

SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD M'LELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE).



Ge-Mt. Klappan 83/210

GULF CANADA RESOURCES INC.
 Calgary Coal Division ALBERTA

**MT. KLAPPAN COAL PROPERTY
 MAP SHEET H 14
 1983 TRENCH AND DRILL HOLE
 LOCATION MAP**

PREPARED BY: C. LOUIE SCALE 1:5000
 APPROVED BY: C. WILLIAM DATE: JAN. 1984 DRAWING No. KPN83T35

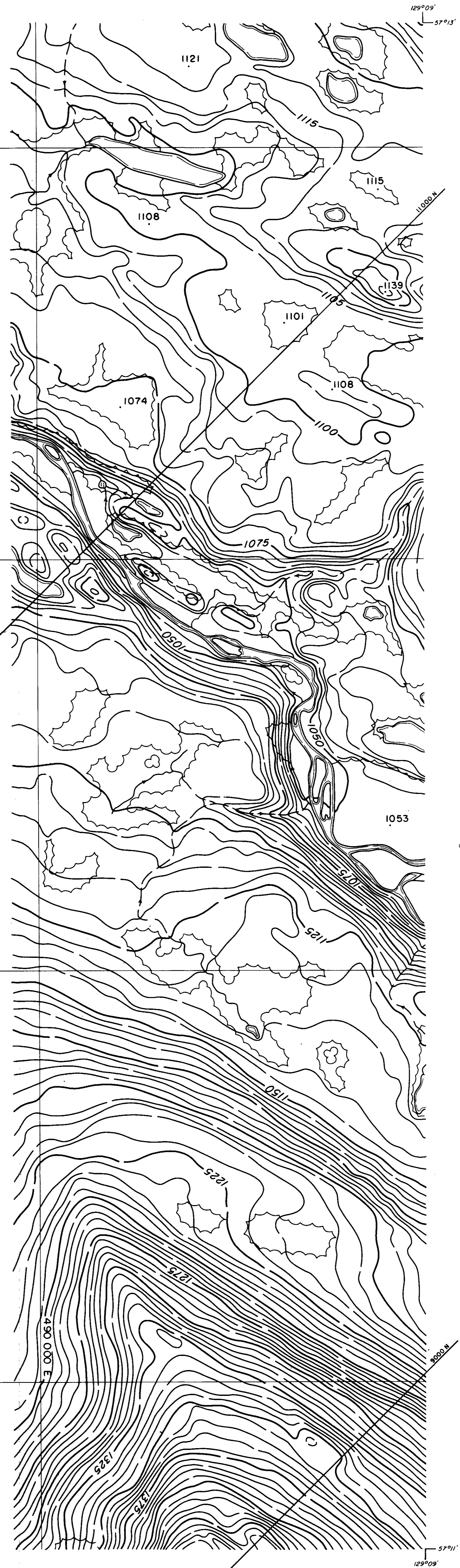
129°12'
57°15'

6 341 000 N

488 000 E

9 338 000 N

57°11'
129°12'



LEGEND

BUILDING	[Symbol]
ROAD, HARD SURFACE	[Symbol]
LOOSE SURFACE	[Symbol]
CART TRACK	[Symbol]
TRAIL	[Symbol]
RAILROAD BED	[Symbol]
RIVER	[Symbol]
STREAM, DEFINITE	[Symbol]
APPROXIMATE	[Symbol]
SPLIT	[Symbol]
LAKE	[Symbol]
WATER LEVEL	[Symbol]
SWAMP	[Symbol]
BEAVER DAM	[Symbol]
TREE LINE	[Symbol]
CUT LINE	[Symbol]
CONTOURS, INDEX	[Symbol]
INTERMEDIATE	[Symbol]
DEPRESSION	[Symbol]
APPROXIMATE	[Symbol]
SPOT ELEVATION	[Symbol]
FORM LINES	[Symbol]
CUT/FILL	[Symbol]
FIELD CONTROL POINT	[Symbol]
COAL LICENCE	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL: 10 M, WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5 M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10 M CONTOURS + 15.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

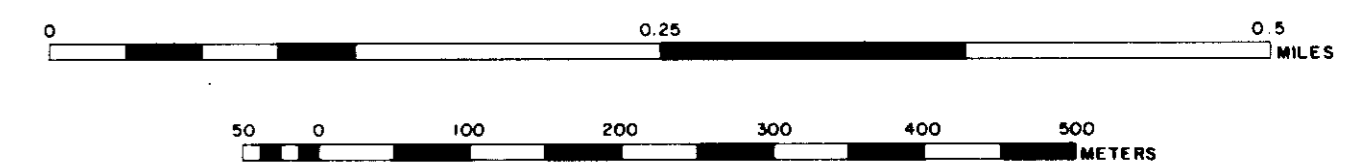
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

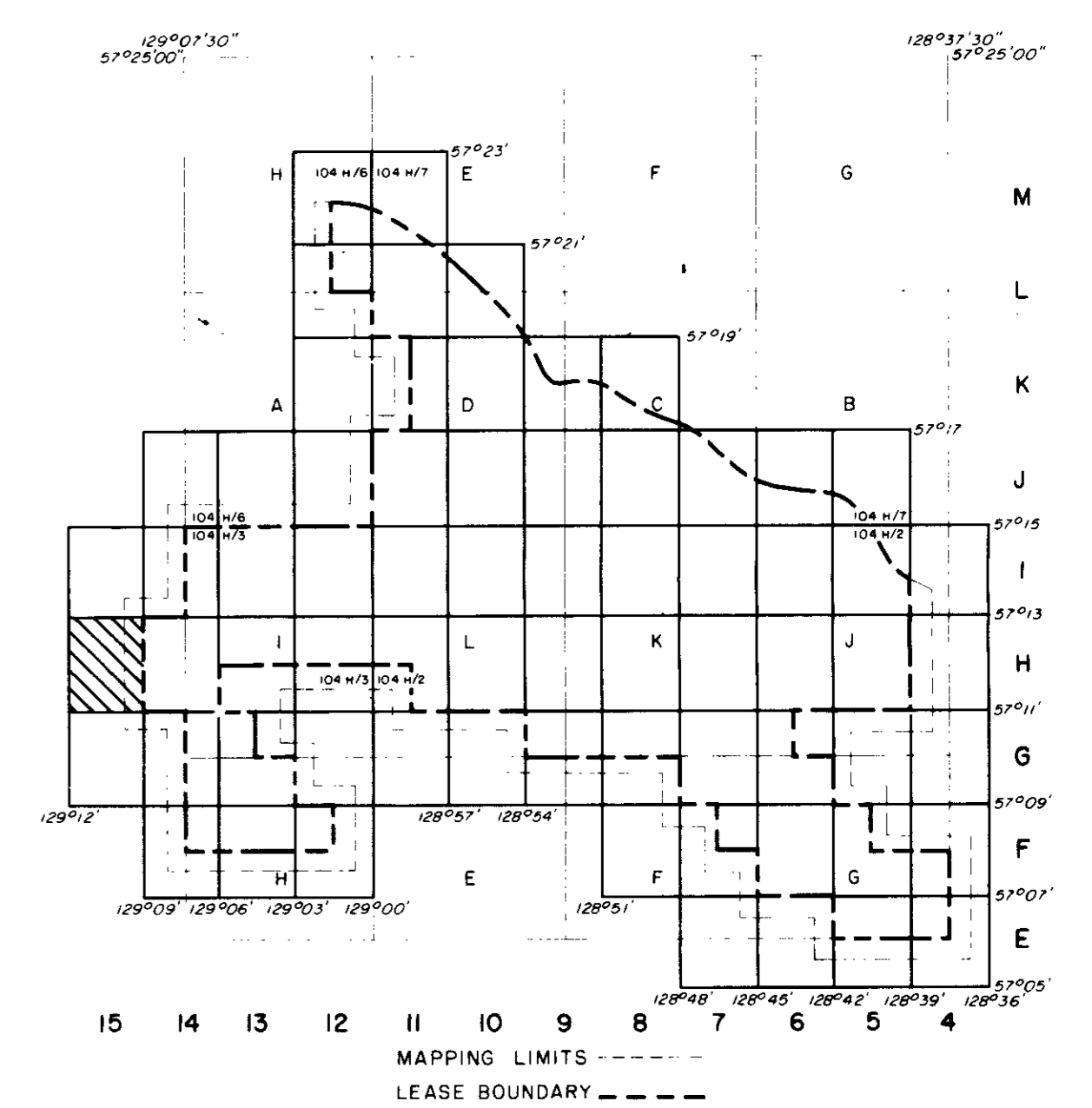
COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD.,
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5 000



MT. KLAPPAN AREA
INDEX MAP



Ge. Mt. Klappan 83(2)A

GULF CANADA RESOURCES INC.
Coal Division
CALGARY ALBERTA



MT. KLAPPAN COAL PROPERTY
MAP SHEET H 15
1983 TRENCH AND DRILL HOLE
LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN. 1984 DRAWING No. KPN83T36

128°39'
57°15'

128°36'
57°15'

522 000 E
6 344 000 N

524 000 E

LEGEND

BUILDING	[Symbol]
ROAD, HARD SURFACE	[Symbol]
ROAD, LOOSE SURFACE	[Symbol]
CART TRACK	[Symbol]
TRAIL	[Symbol]
RAILROAD BED	[Symbol]
RIVER	[Symbol]
STREAM, DEFINITE	[Symbol]
STREAM, APPROXIMATE	[Symbol]
SPLIT	[Symbol]
LAKE	[Symbol]
WATER LEVEL	[Symbol]
SWAMP	[Symbol]
BEAVER DAM	[Symbol]
TREE LINE	[Symbol]
CUT LINE	[Symbol]
CONTOURS, INDEX	[Symbol]
CONTOURS, INTERMEDIATE	[Symbol]
CONTOURS, APPROXIMATE	[Symbol]
SPOT ELEVATION	[Symbol]
FORM LINES	[Symbol]
CUT/FILL	[Symbol]
FIELD CONTROL POINT	[Symbol]
COAL LICENCE	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL: 10 M, WITH FORM LINES INTERVAL: 5 M

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - ±5.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.

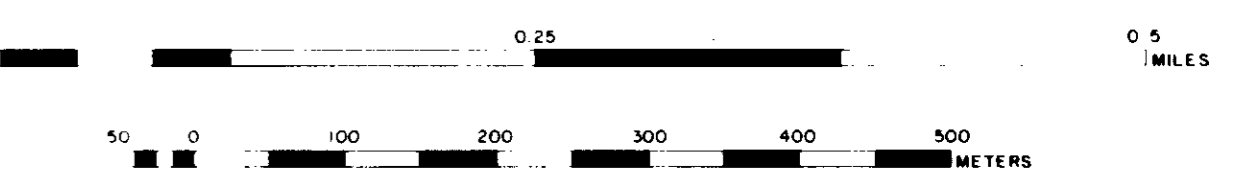
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

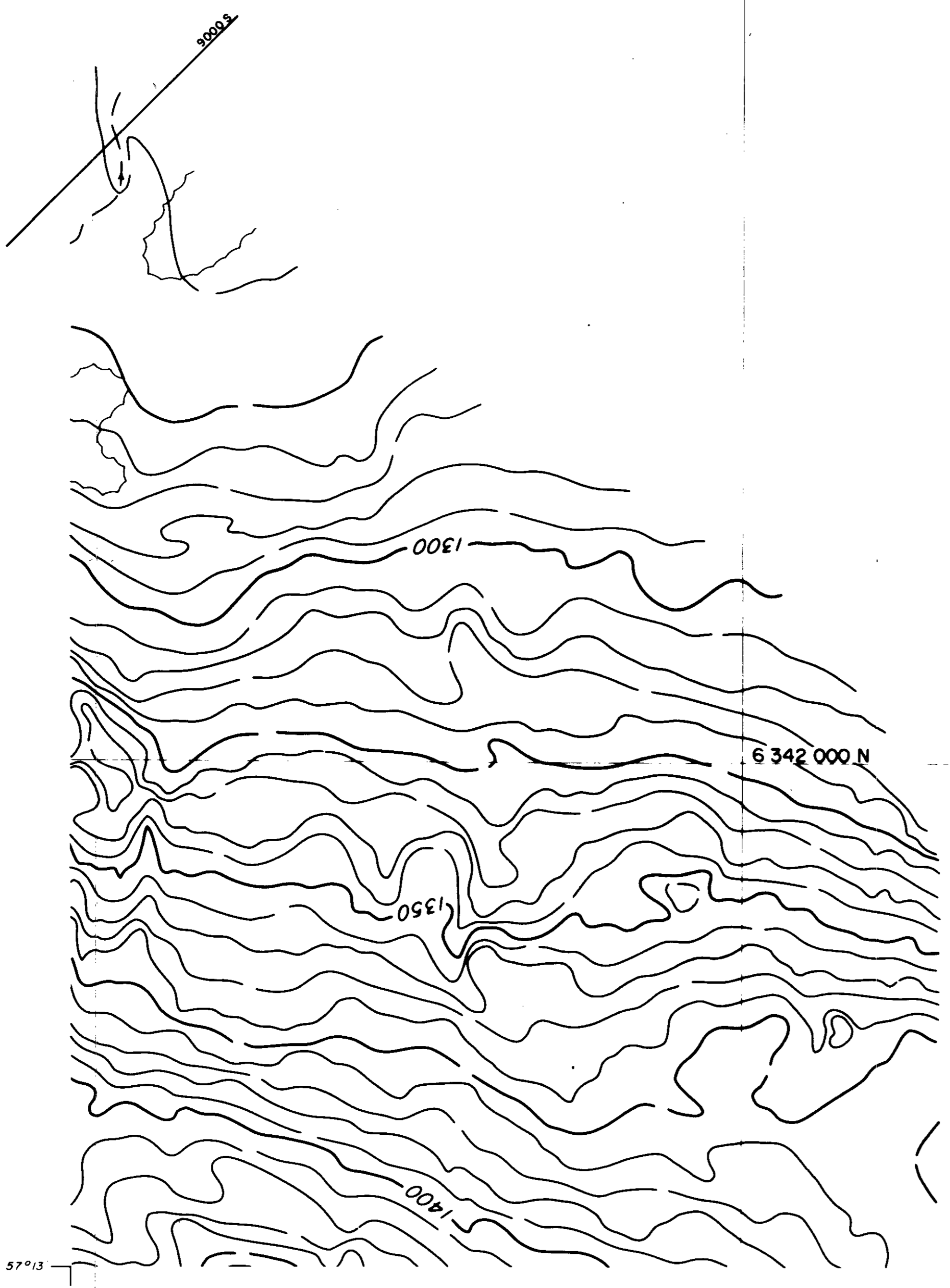
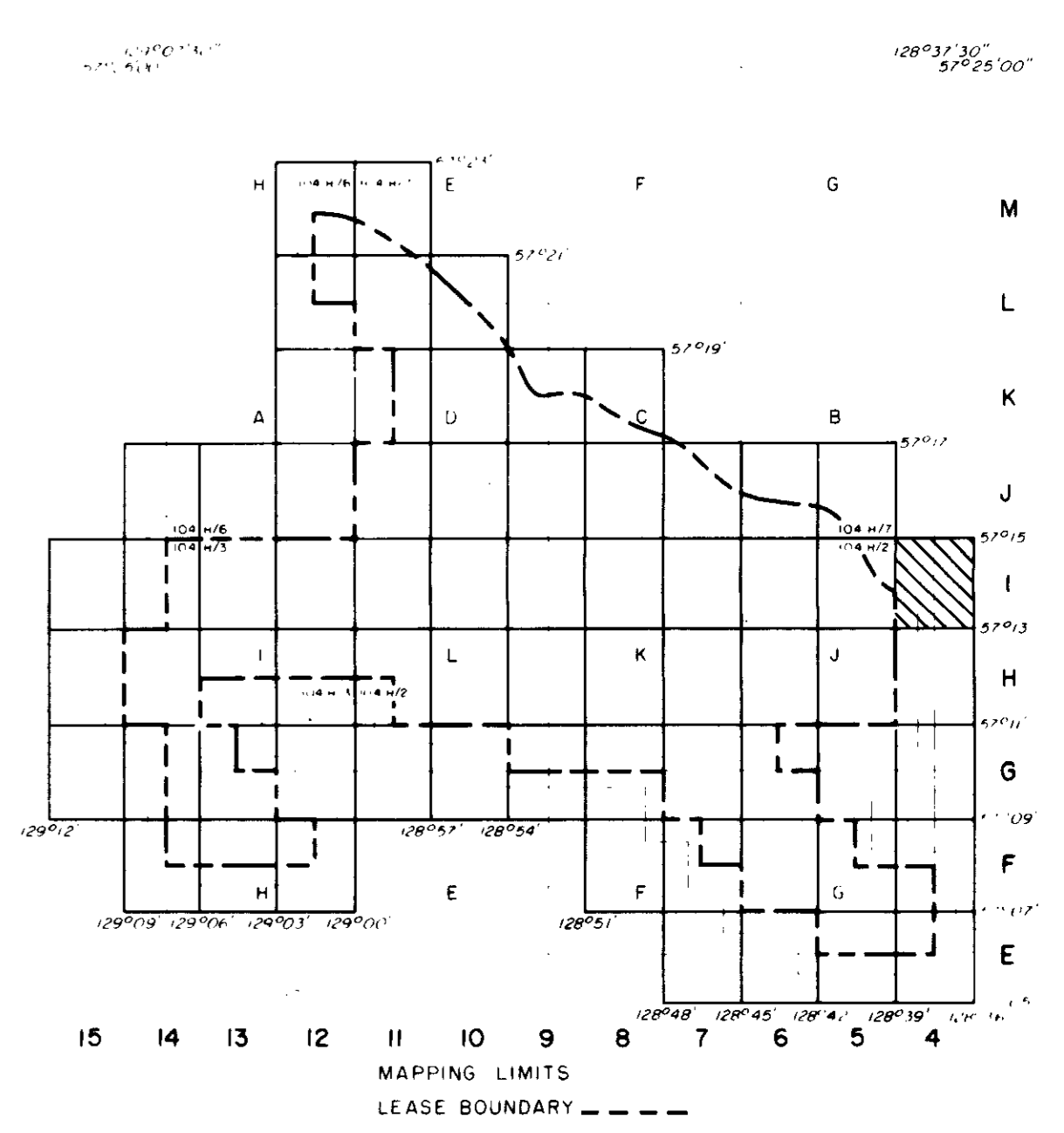
COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD.,
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5 000



MT. KLAPPAN AREA
INDEX MAP



57°13'
128°39'

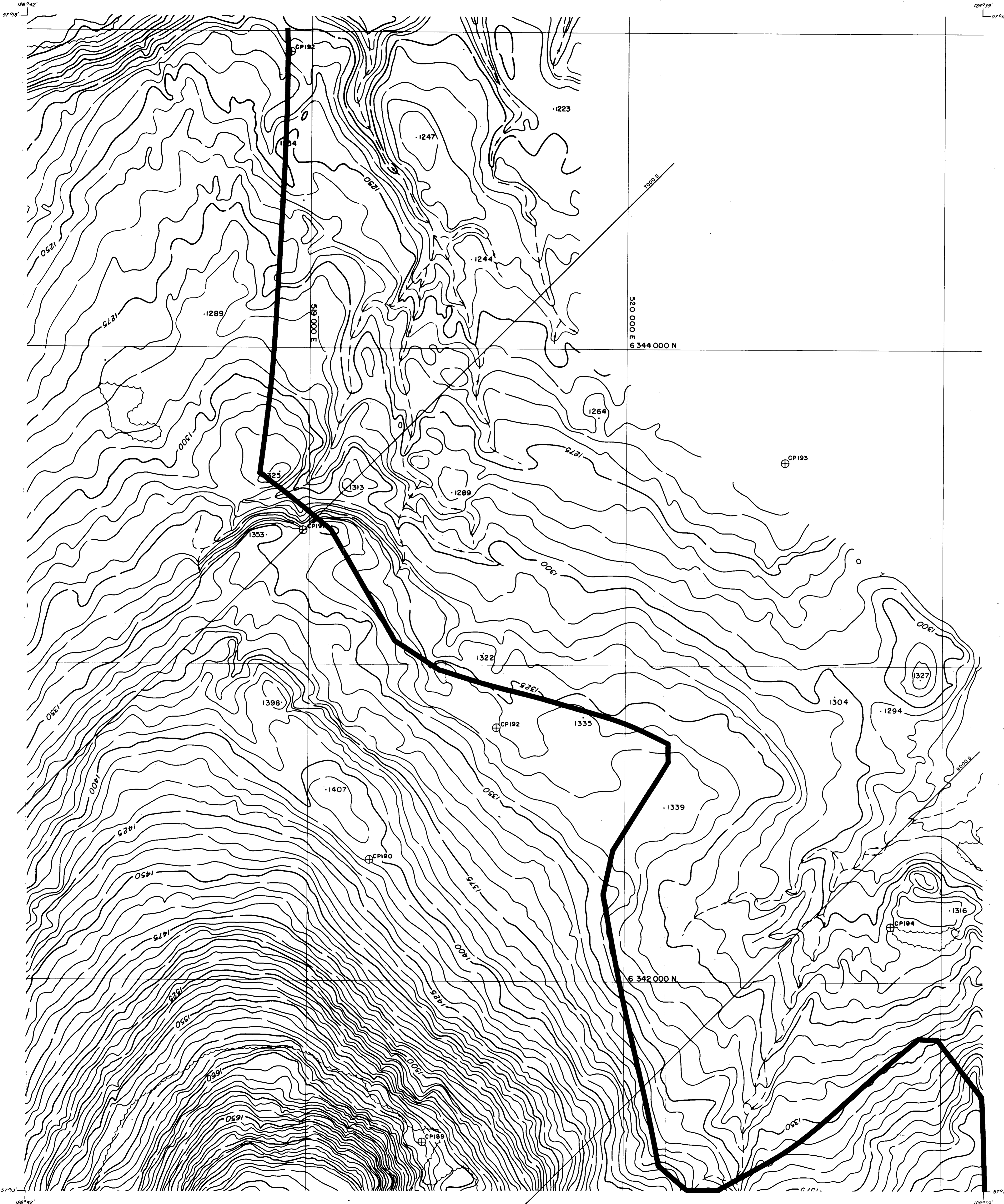
57°13'
128°36'

Gr. Mt. Klappan 83(a)

GULF CANADA RESOURCES INC.
CALGARY Coal Division ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET 14
1983 TRENCH AND DRILL HOLE LOCATION MAP

PREPARED BY: C. LOUIE SCALE: 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN83T37



LEGEND

BUILDING	---
ROAD, HARD SURFACE	---
ROAD, LOOSE SURFACE	---
CART TRACK	---
TRAIL	---
RAILROAD BED	---
RIVER	---
STREAM, DEFINITE	---
STREAM, APPROXIMATE	---
SPLIT	---
LAKE	---
WATER LEVEL	---
SWAMP	---
BEAVER DAM	---
TREE LINE	---
CUT LINE	---
CONTOURS, INDEX	---
CONTOURS, INTERMEDIATE	---
CONTOURS, DEPRESSION	---
CONTOURS, APPROXIMATE	---
SPOT ELEVATION	---
FORM LINES	---
CUT/FILL	---
FIELD CONTROL POINT	---
COAL LICENCE	---

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL: 10 M, WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

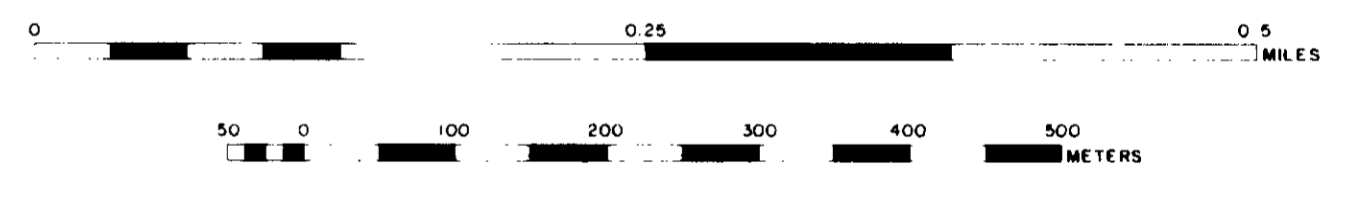
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY.

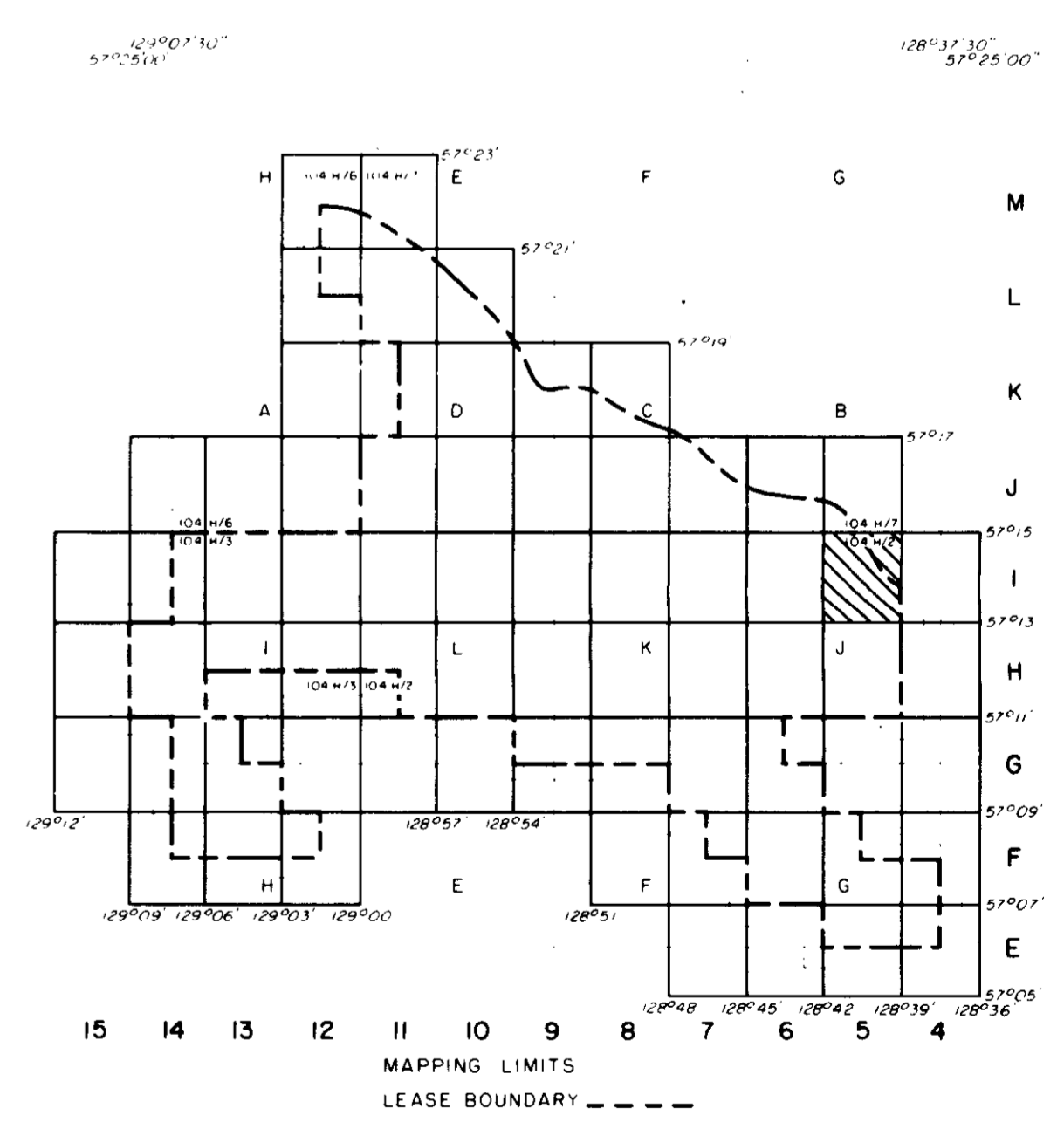
COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD MCELLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5000



MT. KLAPPAN AREA INDEX MAP



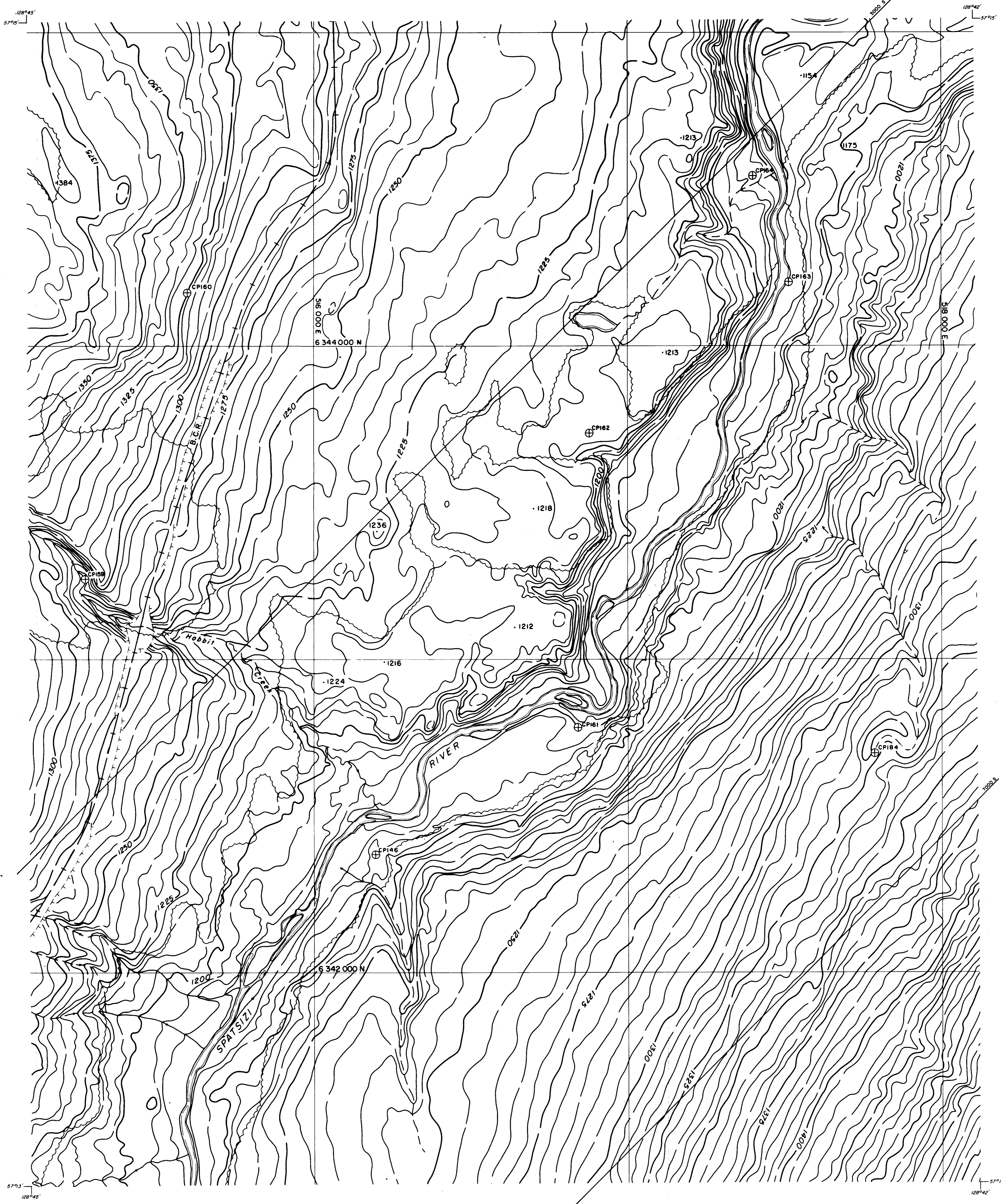
Ge. Mt. Klappan 83(2)A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET 15
1983 TRENCH AND DRILL HOLE
LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN. 1984 DRAWING No. KPH83T38



LEGEND

BUILDING	---
ROAD, HARD SURFACE	---
LOOSE SURFACE	---
CART TRACK	---
TRAIL	---
RAILROAD BED	---
RIVER	---
STREAM, DEFINITE	---
APPROXIMATE	---
SPLIT	---
LAKE	---
WATER LEVEL	---
SWAMP	---
BEAVER DAM	---
TREE LINE	---
CUT LINE	---
CONTOURS, INDEX	---
INTERMEDIATE	---
DEPRESSION	---
APPROXIMATE	---
SPOT ELEVATION	---
FORM LINES	---
CUT/FILL	---
FIELD CONTROL POINT	---
COAL LICENCE	---

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES

CONTOUR INTERVAL: 10 M, WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

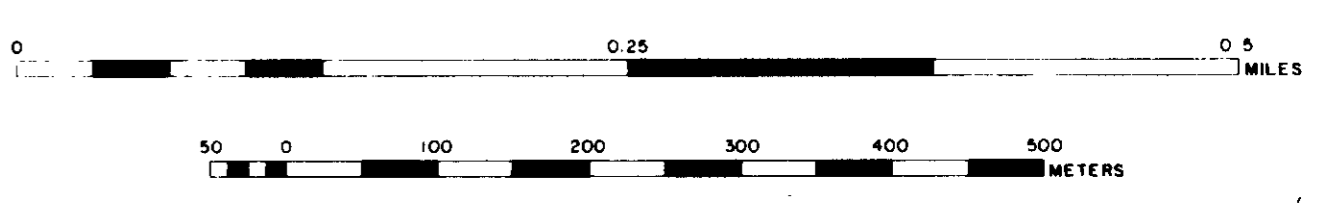
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

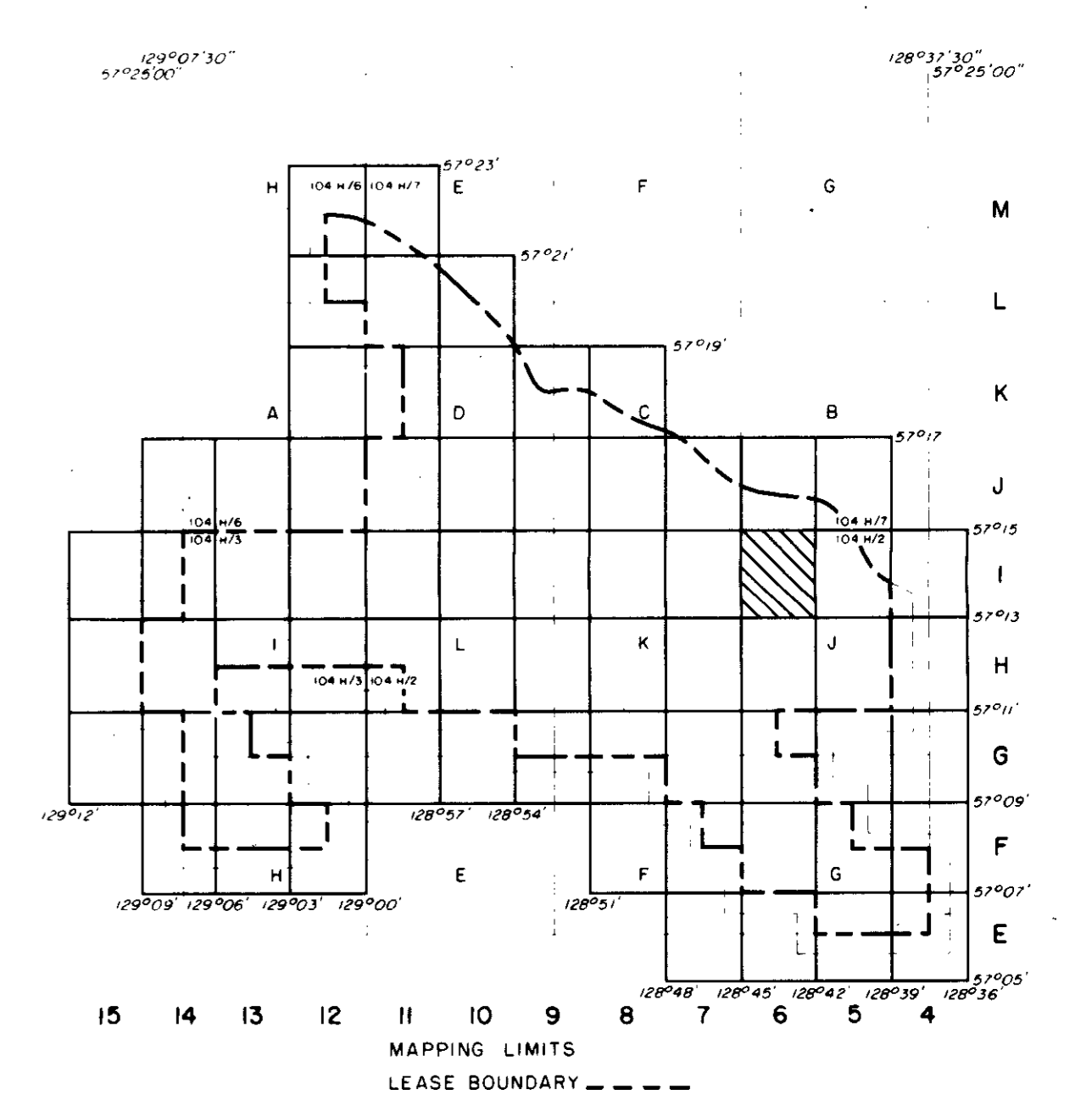
COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD.,
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5000



MT. KLAPPAN AREA
INDEX MAP



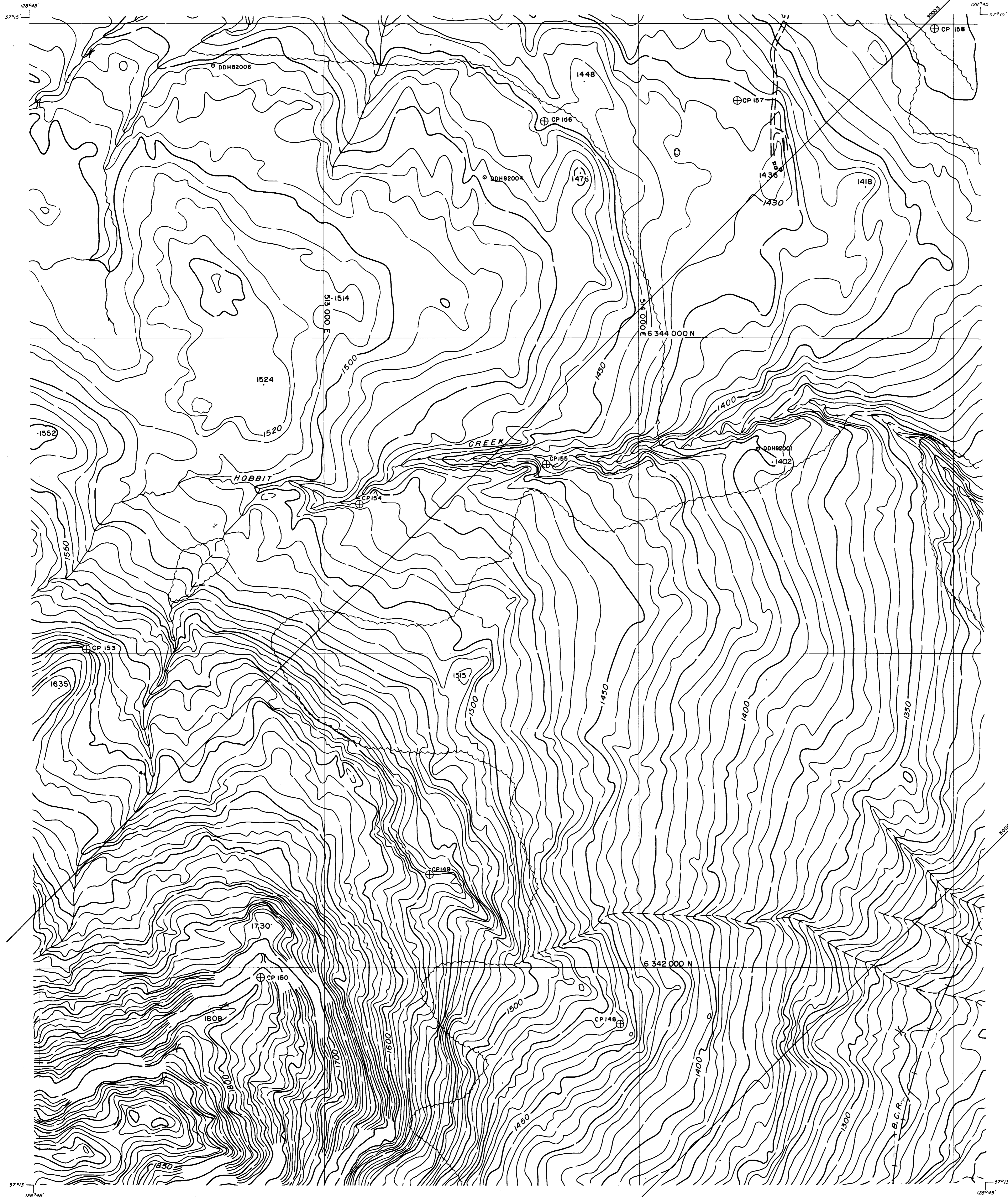
GE - MT. KLAPPAN 83 (2)A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

**MT. KLAPPAN COAL PROPERTY
MAP SHEET 1 6
1983 TRENCH AND DRILL HOLE
LOCATION MAP**

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN83739



LEGEND

BUILDING	---	[Symbol]
ROAD, HARD SURFACE	---	[Symbol]
LOOSE SURFACE	---	[Symbol]
CART TRACK	---	[Symbol]
TRAIL	---	[Symbol]
RAILROAD BED	---	[Symbol]
RIVER	---	[Symbol]
STREAM, DEFINITE	---	[Symbol]
STREAM, APPROXIMATE	---	[Symbol]
SPLIT	---	[Symbol]
LAKE	---	[Symbol]
WATER LEVEL	---	[Symbol]
SWAMP	---	[Symbol]
BEAVER DAM	---	[Symbol]
TREE LINE	---	[Symbol]
CUT LINE	---	[Symbol]
CONTOURS, INDEX	---	[Symbol]
CONTOURS, INTERMEDIATE	---	[Symbol]
CONTOURS, DEPRESSION	---	[Symbol]
CONTOURS, APPROXIMATE	---	[Symbol]
SPOT ELEVATION	---	[Symbol]
FORM LINES	---	[Symbol]
CUT/FILL	---	[Symbol]
FIELD CONTROL POINT	---	[Symbol]
COAL LICENCE	---	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

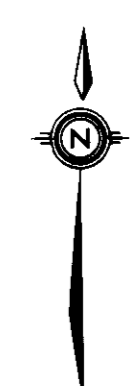
CONTOUR INTERVAL: 10 M.; WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.

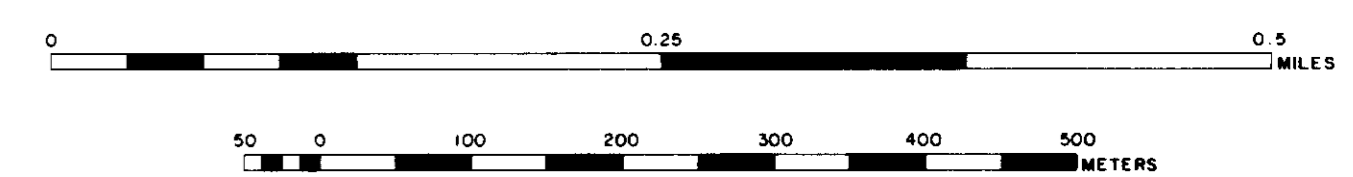
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

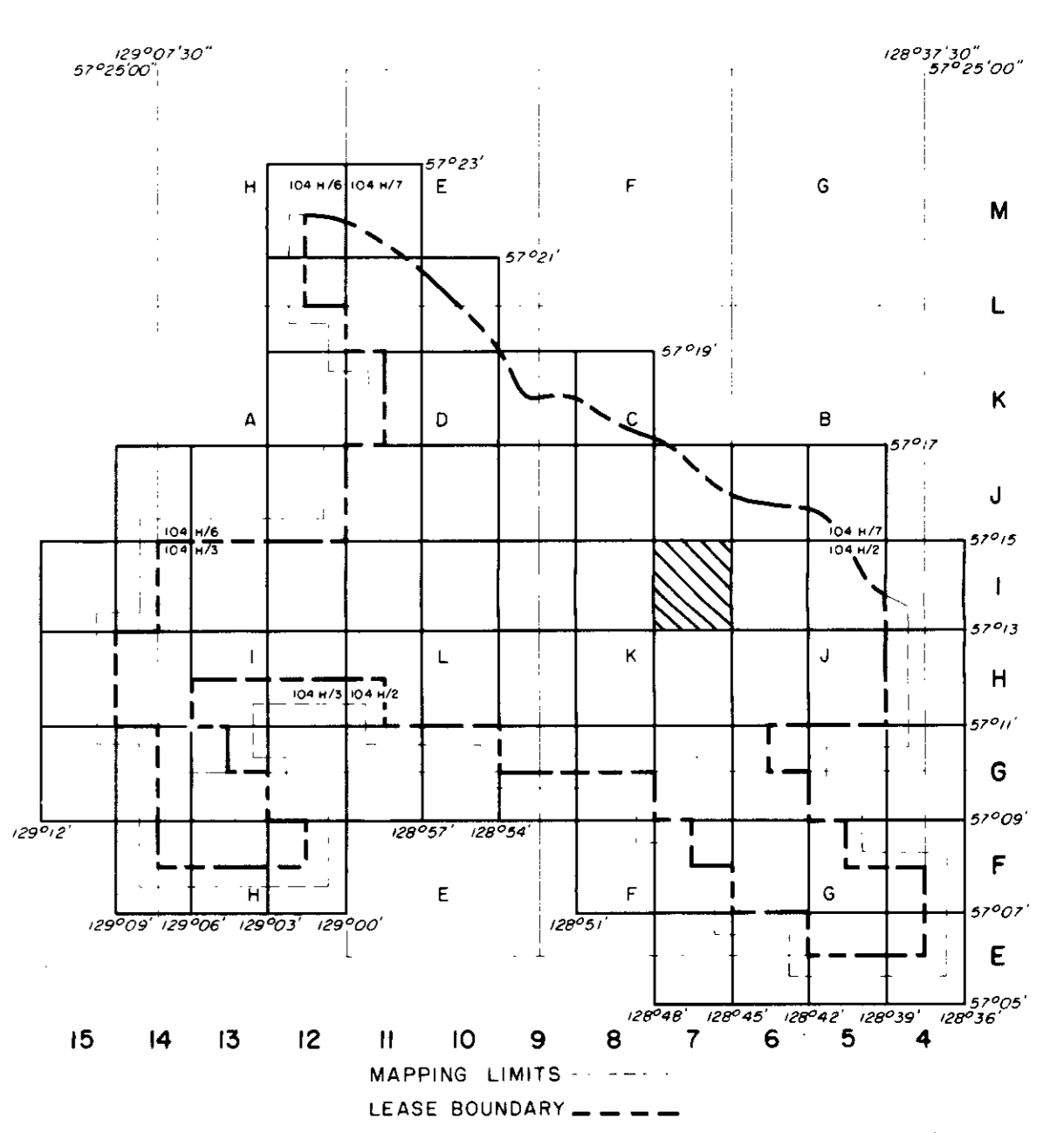
COMPILED BY: WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD MCELLEMAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5,000



MT. KLAPPAN AREA INDEX MAP



Co. Mt. Klappan 83(2)A

GULF CANADA RESOURCES INC.

Coal Division

CALGARY ALBERTA

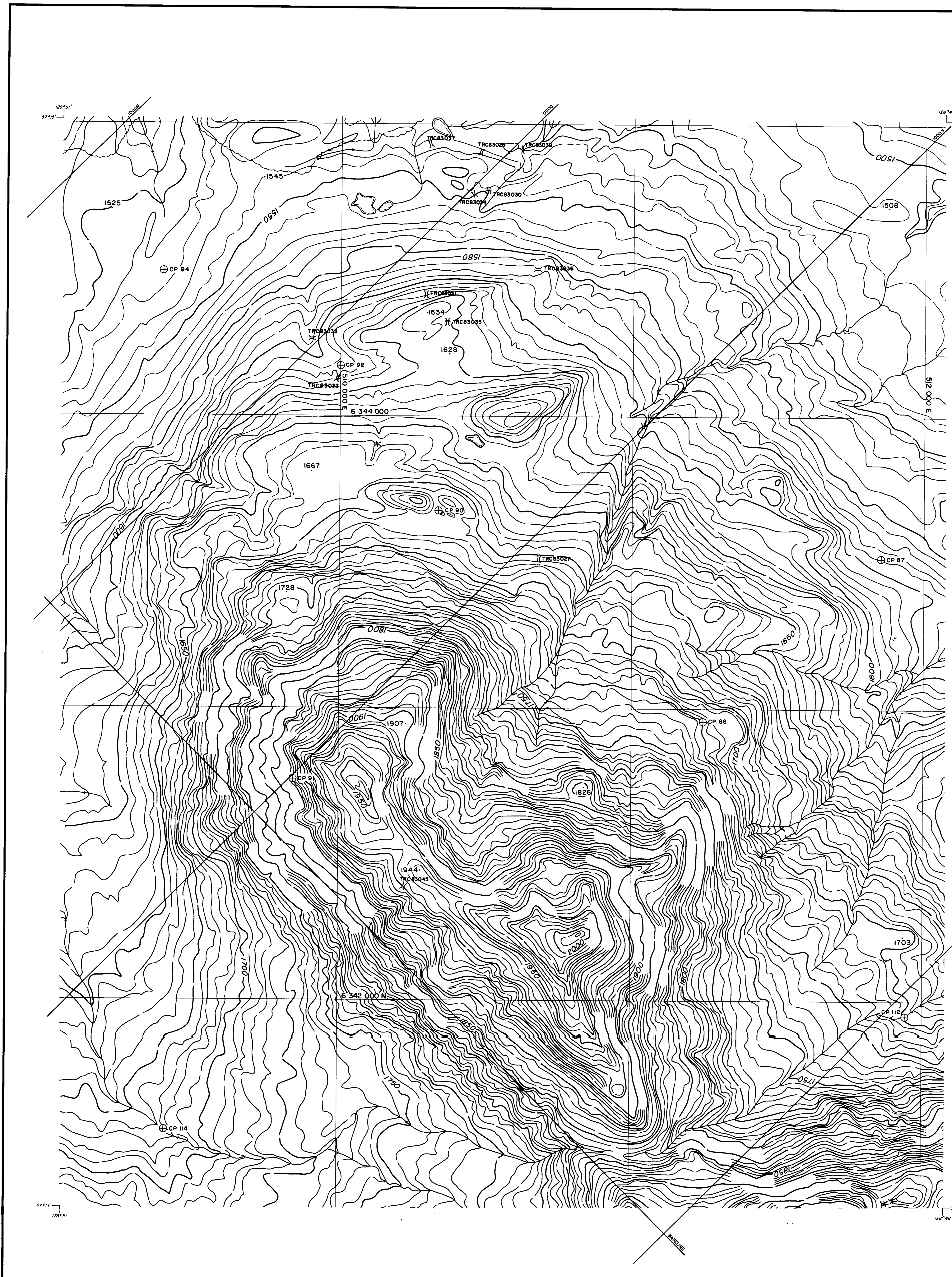
MT. KLAPPAN COAL PROPERTY

MAP SHEET 17

1983 TRENCH AND DRILL HOLE LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000

APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN83740



LEGEND

BUILDING	---	---
ROAD, HARD SURFACE	---	---
LOOSE SURFACE	---	---
CART TRACK	---	---
TRAIL	---	---
RAILROAD BED	---	---
RIVER	---	---
STREAM, DEFINITE	---	---
APPROXIMATE	---	---
SPLIT	---	---
LAKE	---	---
WATER LEVEL	---	EL. 508'
SWAMP	---	---
BEAVER DAM	---	---
TREE LINE	---	---
CUT LINE	---	---
CONTOURS, INDEX	---	---
INTERMEDIATE	---	---
DEPRESSION	---	---
APPROXIMATE	---	---
SPOT ELEVATION	---	---
FORM LINES	---	---
CUT/FILL	---	---
FIELD CONTROL POINT	---	---
COAL LICENCE	---	---

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

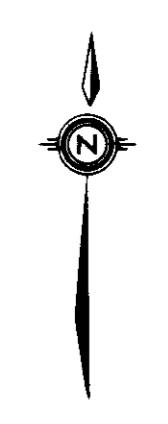
CONTOUR INTERVAL = 10 M., WITH FORM LINES INTERVAL = 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

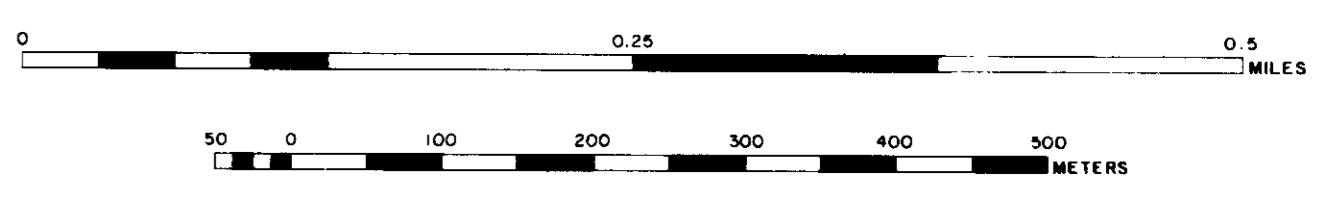
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

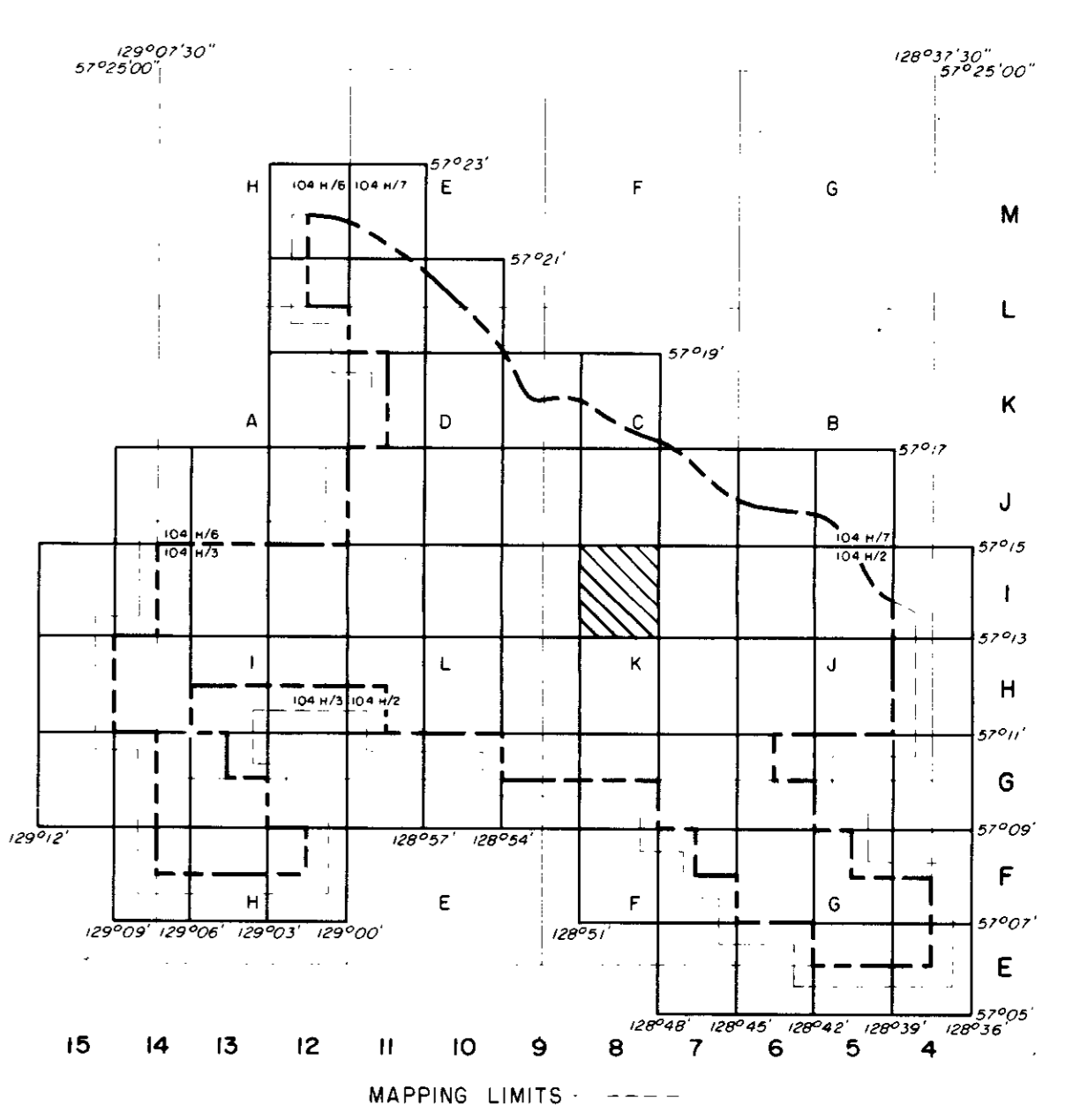
COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD MCELLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5000



MT. KLAPPAN AREA INDEX MAP



Ge. Mt. Klappan 83(2)A

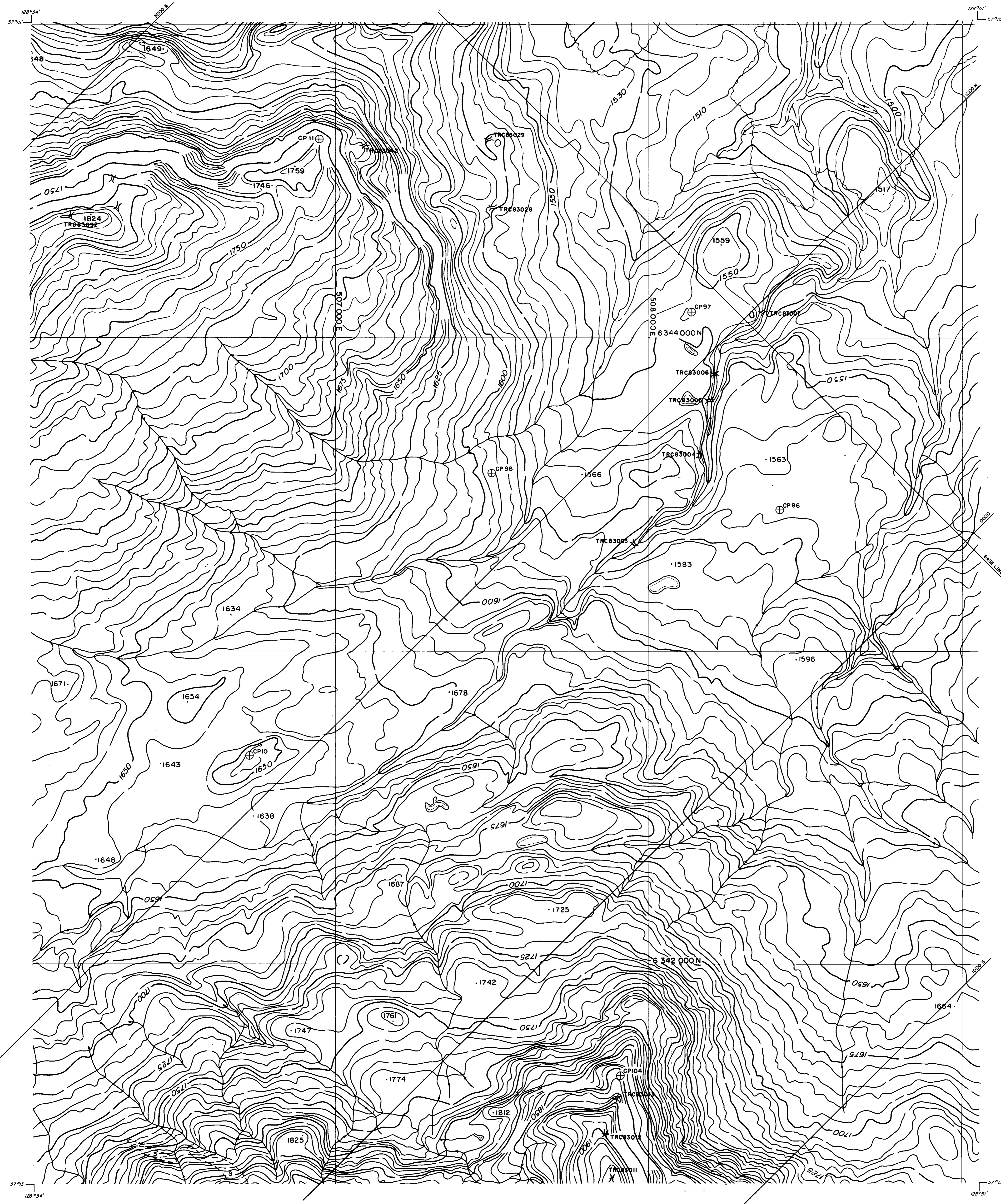
GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET 1 B
1983 TRENCH AND DRILL HOLE LOCATION MAP

PREPARED BY: C. LOUIE
APPROVED BY: C. WILLIAMS

SCALE 1:5000
DATE: JAN, 1984
DRAWING No. KPH83T4I



LEGEND

BUILDING	[Symbol]
ROAD, HARD SURFACE	[Symbol]
LOOSE SURFACE	[Symbol]
CART TRACK	[Symbol]
TRAIL	[Symbol]
RAILROAD BED	[Symbol]
RIVER	[Symbol]
STREAM, DEFINITE	[Symbol]
STREAM, APPROXIMATE	[Symbol]
SPLIT	[Symbol]
LAKE	[Symbol]
WATER LEVEL	[Symbol]
SWAMP	[Symbol]
BEAVER DAM	[Symbol]
TREE LINE	[Symbol]
CUT LINE	[Symbol]
CONTOURS, INDEX	[Symbol]
INTERMEDIATE	[Symbol]
DEPRESSION	[Symbol]
APPROXIMATE	[Symbol]
SPOT ELEVATION	[Symbol]
FORM LINES	[Symbol]
CUT/FILL	[Symbol]
FIELD CONTROL POINT	[Symbol]
COAL LICENCE	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

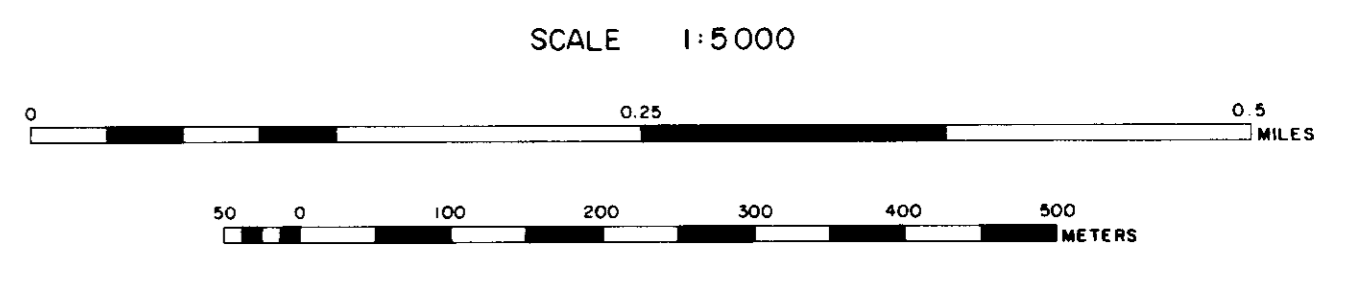
CONTOUR INTERVAL = 10 M., WITH FORM LINES INTERVAL = 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - ±5.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

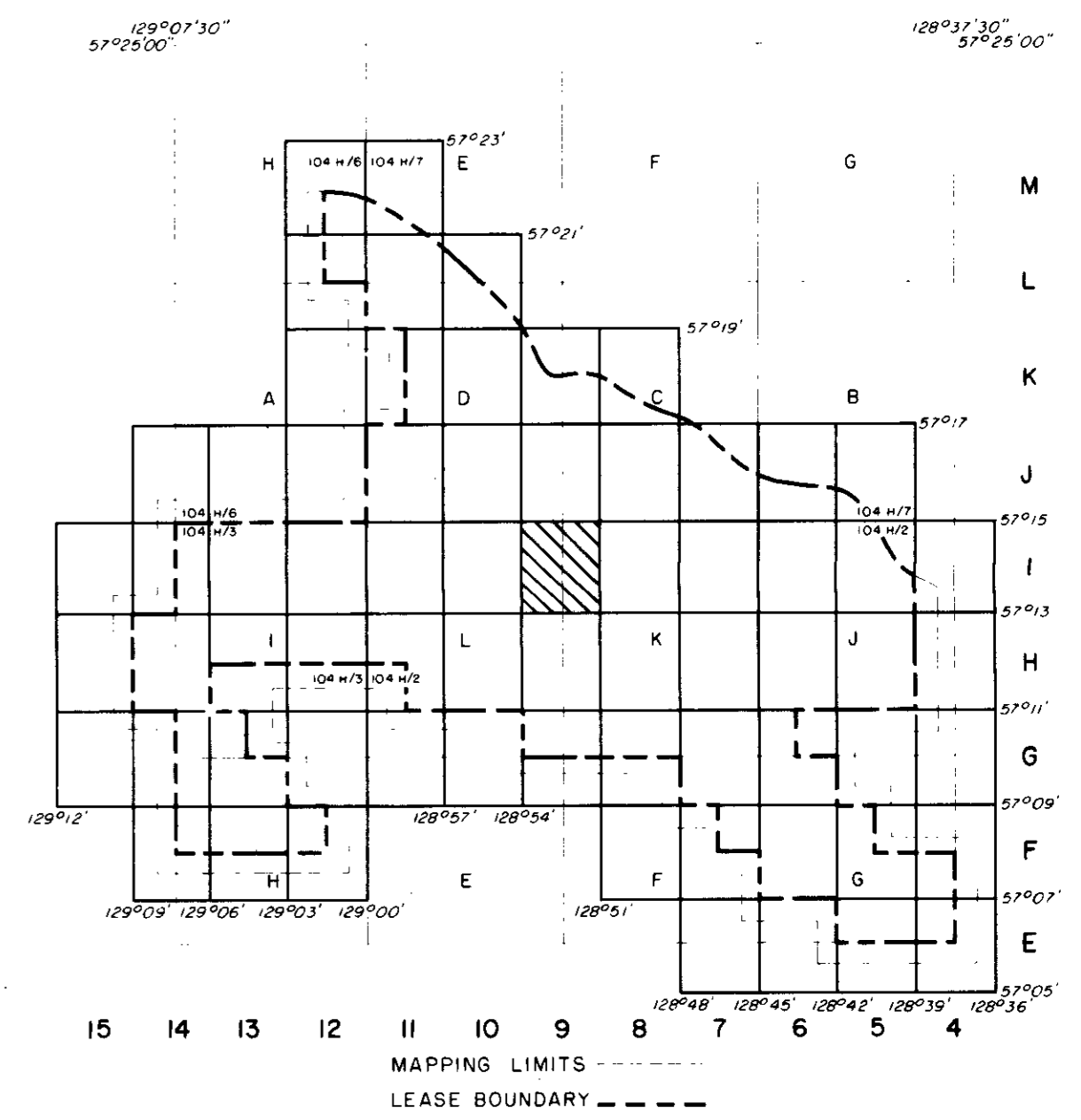
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./62 AERIAL PHOTOGRAPHY

COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE).



MT. KLAPPAN AREA
INDEX MAP



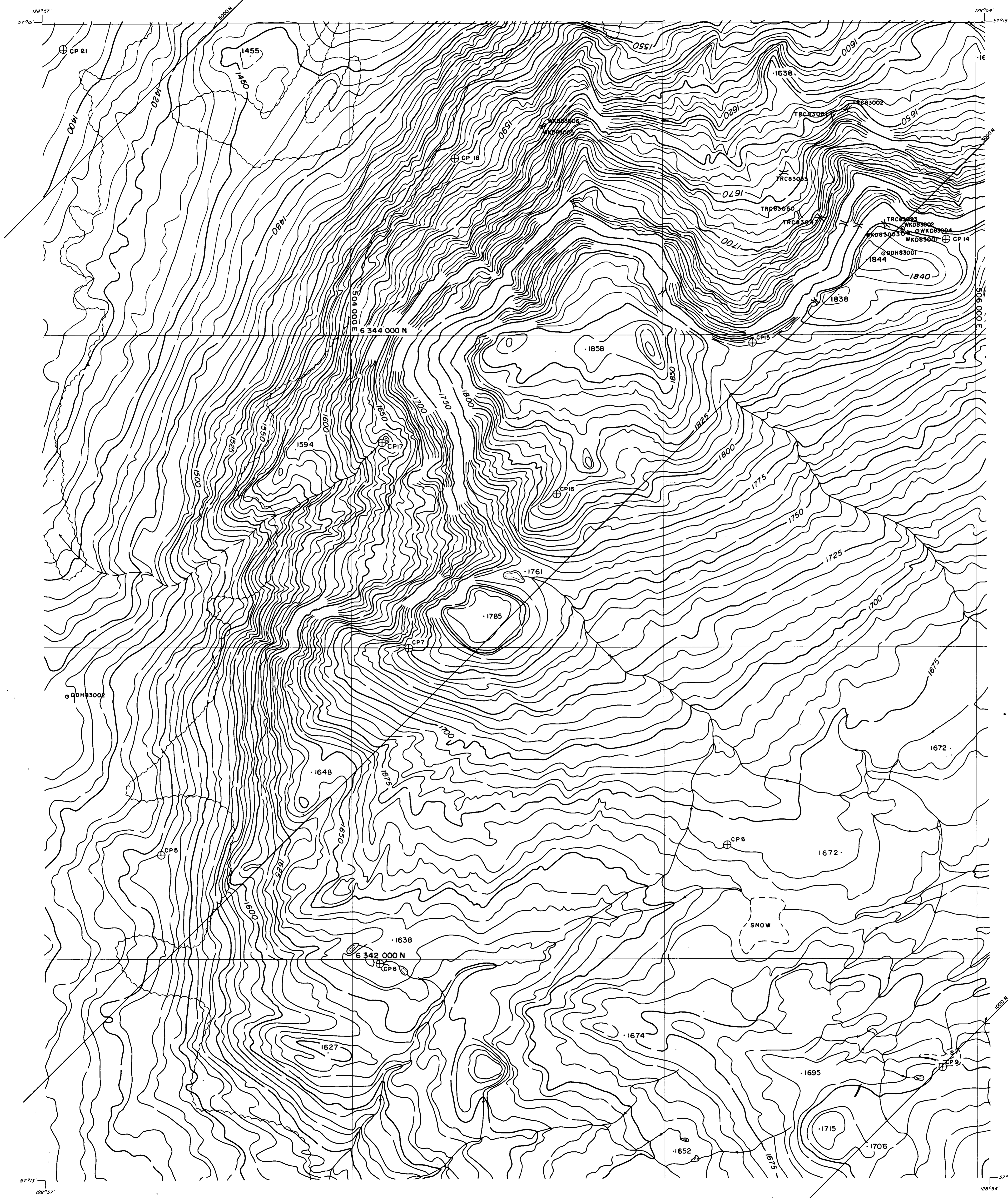
Ge. Mt. Klappan 83(2)A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

**MT. KLAPPAN COAL PROPERTY
MAP SHEET I 9
1983 TRENCH AND DRILL HOLE
LOCATION MAP**

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAM DATE: JAN, 1984 DRAWING No. KPN83T42



LEGEND

BUILDING	[Symbol]
ROAD, HARD SURFACE	[Symbol]
ROAD, LOOSE SURFACE	[Symbol]
RAIL TRACK	[Symbol]
TRAIL	[Symbol]
RAILROAD BED	[Symbol]
RIVER	[Symbol]
STREAM, DEFINITE	[Symbol]
STREAM, APPROXIMATE	[Symbol]
SPLIT	[Symbol]
LAKE	[Symbol]
WATER LEVEL	[Symbol]
SWAMP	[Symbol]
BEAVER DAM	[Symbol]
TREE LINE	[Symbol]
CUT LINE	[Symbol]
CONTOURS, INDEX	[Symbol]
CONTOURS, INTERMEDIATE	[Symbol]
DEPRESSION	[Symbol]
APPROXIMATE	[Symbol]
SPOT ELEVATION	[Symbol]
FORM LINES	[Symbol]
CUT/FILL	[Symbol]
FIELD CONTROL POINT	[Symbol]
COAL LICENCE	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES

CONTOUR INTERVAL: 10 M., WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5 M. FORM LINES IS EQUAL TO THE ACCURACY OF THE 10 M. CONTOURS + 15.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

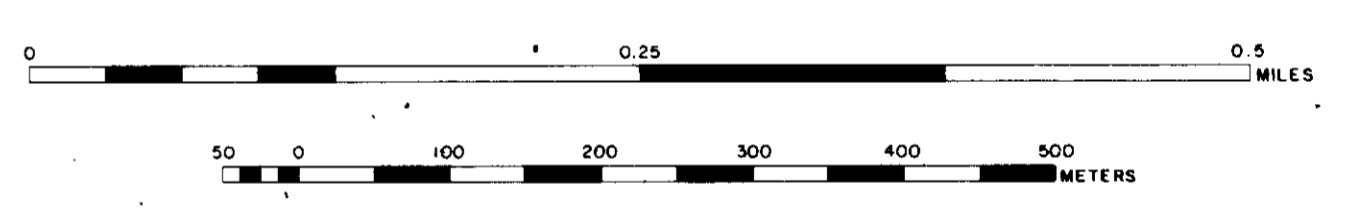
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

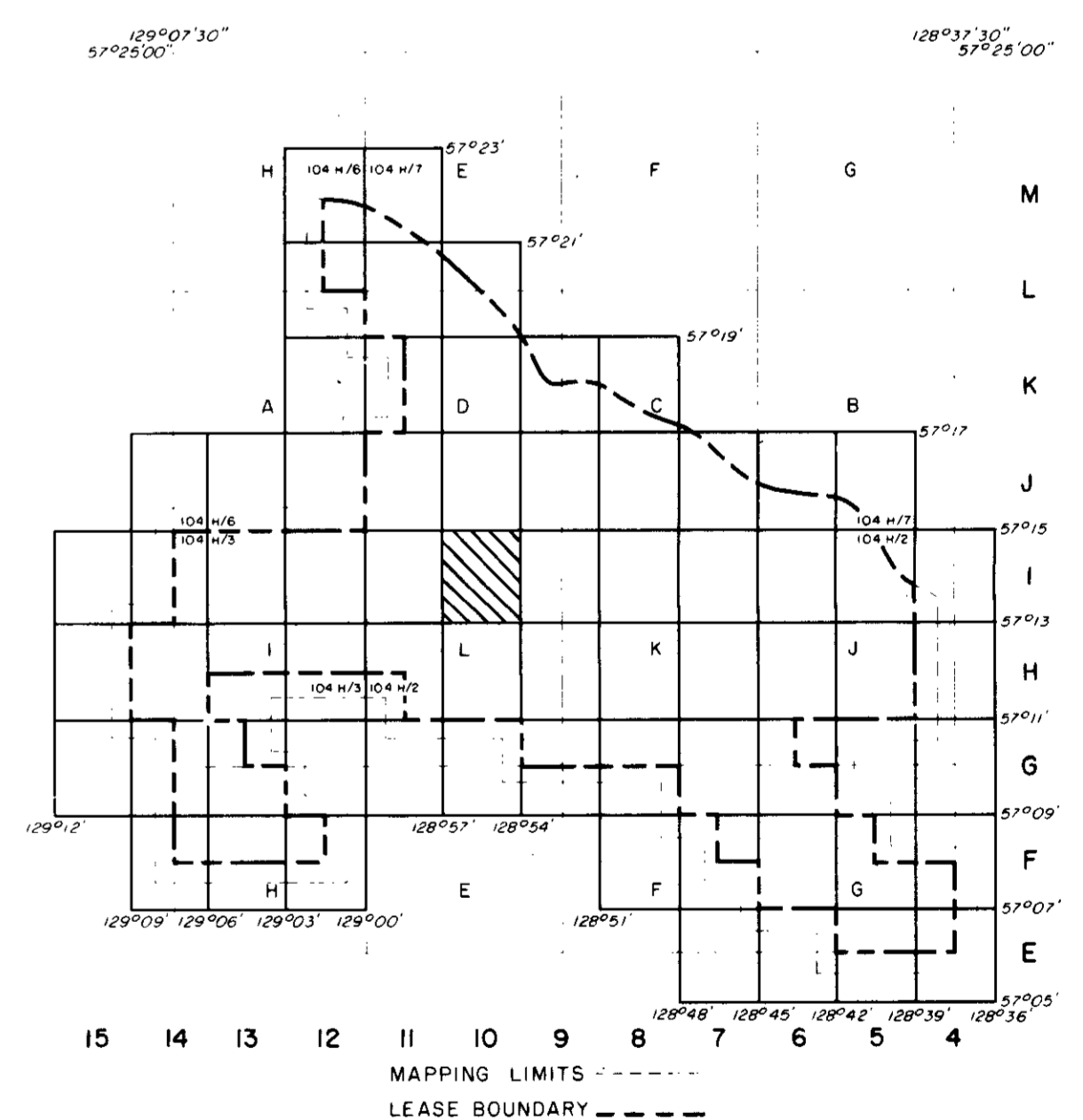
COMPILED BY: WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/76 AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5000



MT. KLAPPAN AREA INDEX MAP



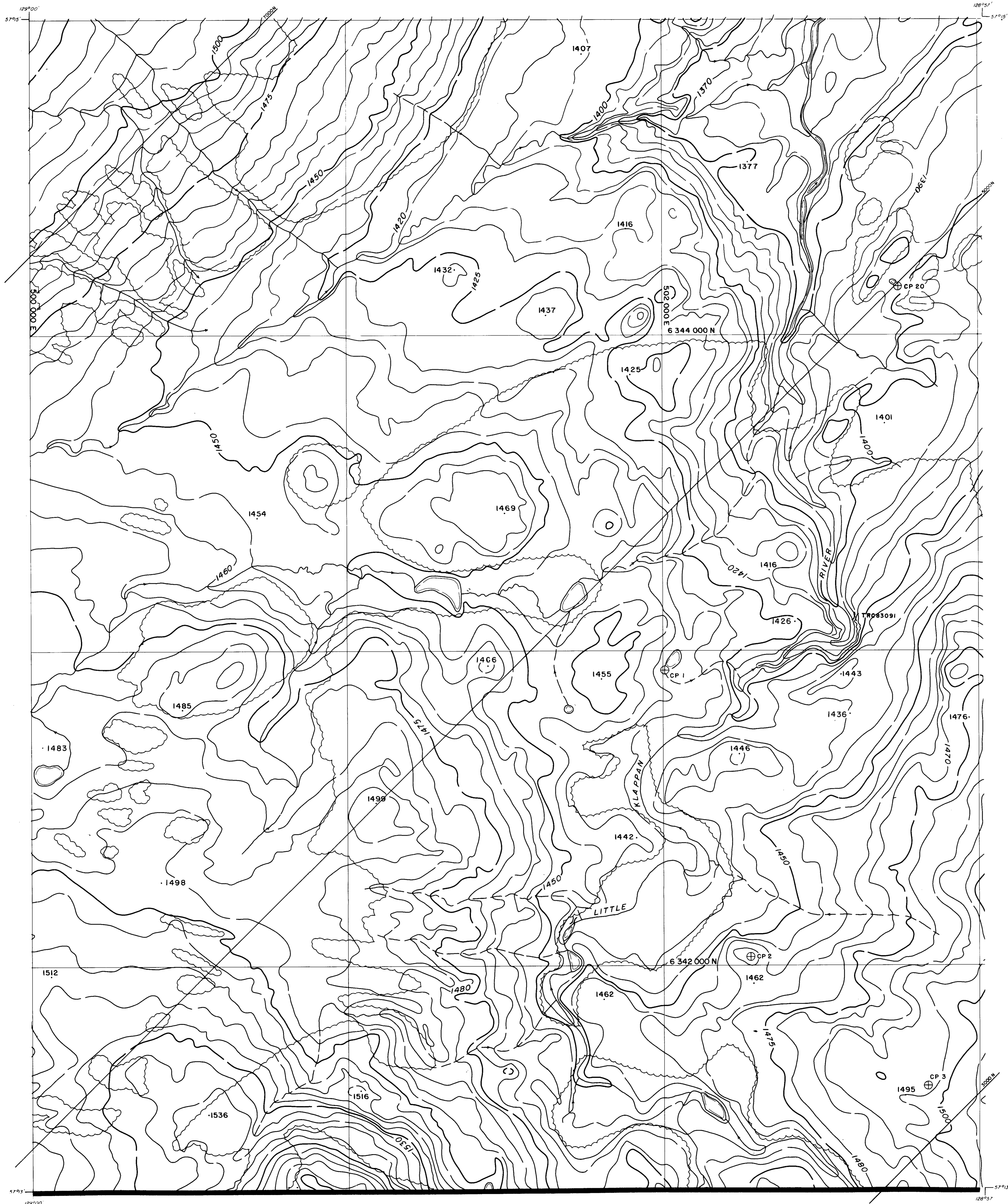
Gr. Mt. Klappan 83(2)A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET 10
1983 TRENCH AND DRILL HOLE LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING NO. KPN83743



LEGEND

BUILDING	--- --- --- ---
ROAD, HARD SURFACE	--- --- --- ---
ROAD, LOOSE SURFACE	--- --- --- ---
CART TRACK	--- --- --- ---
TRAIL	--- --- --- ---
RAILROAD BED	--- --- --- ---
RIVER	--- --- --- ---
STREAM, DEFINITE	--- --- --- ---
STREAM, APPROXIMATE	--- --- --- ---
SPLIT	--- --- --- ---
LAKE	--- --- --- ---
WATER LEVEL	--- --- --- ---
SWAMP	--- --- --- ---
BEAVER DAM	--- --- --- ---
TREE LINE	--- --- --- ---
CUT LINE	--- --- --- ---
CONTOURS, INDEX	--- --- --- ---
CONTOURS, INTERMEDIATE	--- --- --- ---
CONTOURS, DEPRESSION	--- --- --- ---
CONTOURS, APPROXIMATE	--- --- --- ---
SPOT ELEVATION	--- --- --- ---
FORM LINES	--- --- --- ---
CUT/FILL	--- --- --- ---
FIELD CONTROL POINT	--- --- --- ---
COAL LICENCE	--- --- --- ---

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES

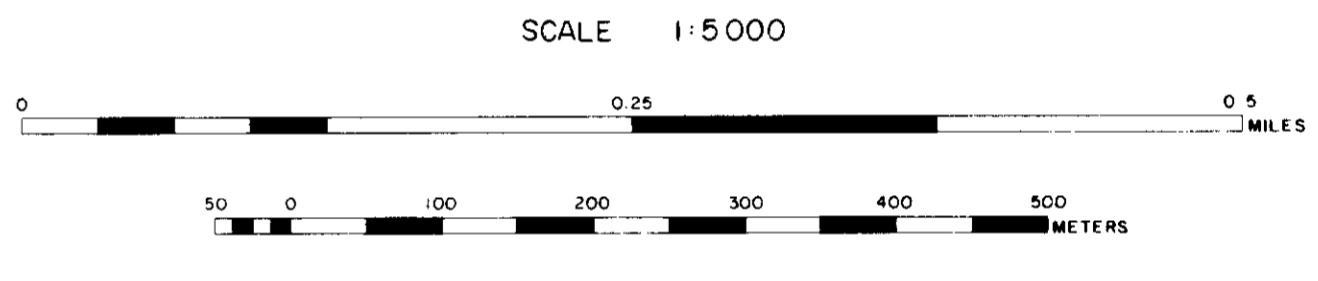
CONTOUR INTERVAL: 10 M, WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5 M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10 M CONTOURS - ± 5.0 METERS FOR GROUND NOT OBTURBED BY TREES OR VEGETATION.

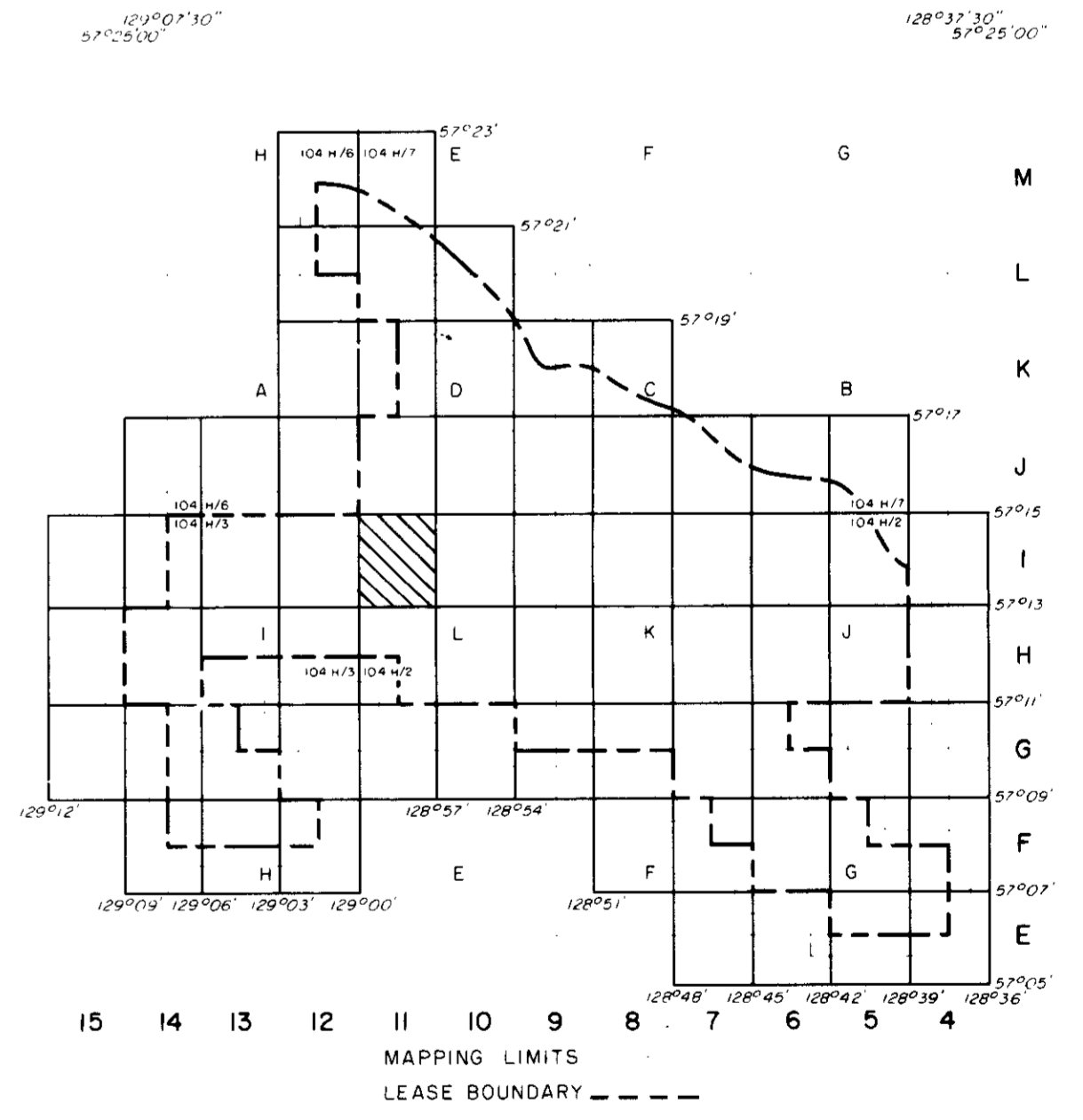
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE)

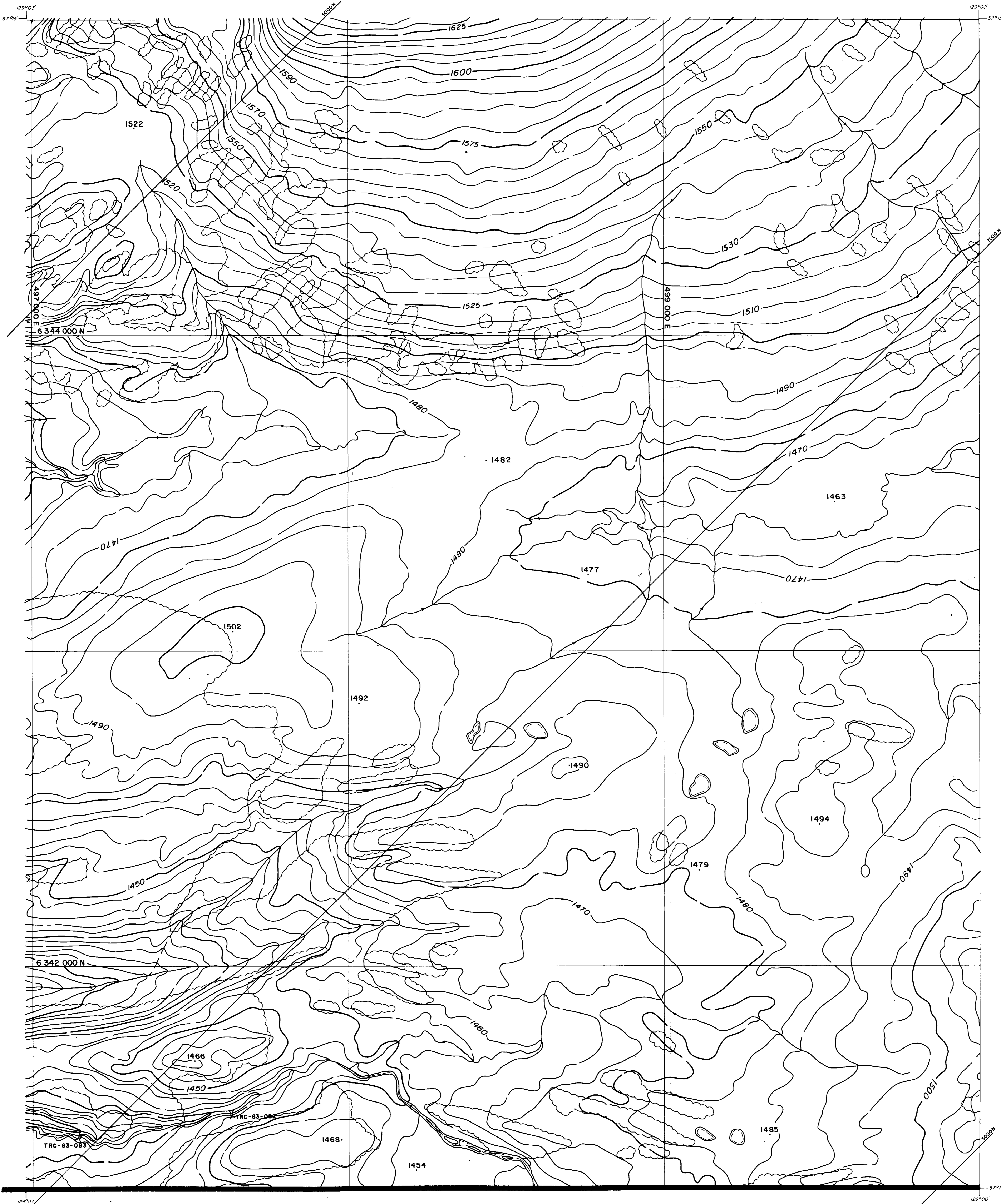


MT. KLAPPAN AREA INDEX MAP



Ge-Mt Klappan 83(2)A III

GULF CANADA RESOURCES INC.		
CALGARY	Coal Division	
MT. KLAPPAN COAL PROPERTY		
MAP SHEET 11		
1983 TRENCH AND DRILL HOLE LOCATION MAP		
PREPARED BY: C. LOUIE	SCALE: 1:5000	
APPROVED BY: C. WILLIAMS	DATE: JAN, 1984	DRAWING No. KPN83744



LEGEND

BUILDING	---	[Symbol]
ROAD, HARD SURFACE	---	[Symbol]
LOOSE SURFACE	---	[Symbol]
CART TRACK	---	[Symbol]
TRAIL	---	[Symbol]
RAILROAD BED	---	[Symbol]
RIVER	---	[Symbol]
STREAM, DEFINITE	---	[Symbol]
STREAM, APPROXIMATE	---	[Symbol]
LAKE	---	[Symbol]
WATER LEVEL	---	[Symbol]
SWAMP	---	[Symbol]
BEAVER DAM	---	[Symbol]
TREE LINE	---	[Symbol]
CUT LINE	---	[Symbol]
CONTOURS, INDEX	---	[Symbol]
CONTOURS, INTERMEDIATE	---	[Symbol]
CONTOURS, DEPRESSION	---	[Symbol]
CONTOURS, APPROXIMATE	---	[Symbol]
SPOT ELEVATION	---	[Symbol]
FORM LINES	---	[Symbol]
CUT/FILL	---	[Symbol]
FIELD CONTROL POINT	---	[Symbol]
COAL LICENCE	---	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

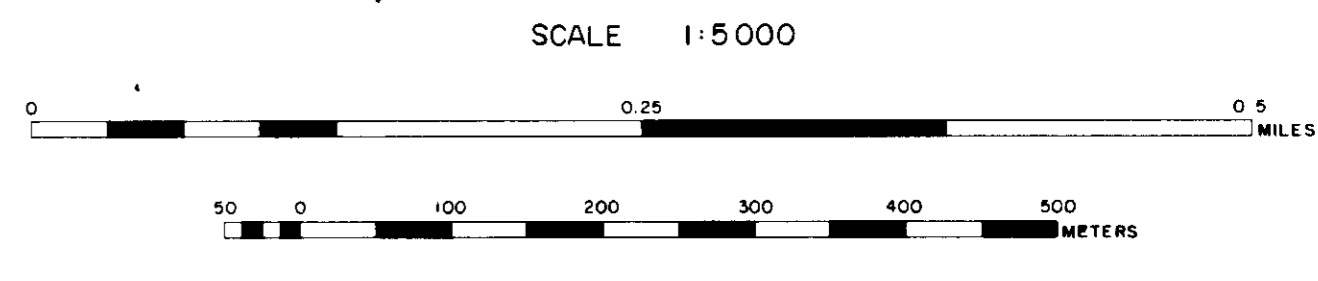
CONTOUR INTERVAL: 10 M, WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5 M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10 M CONTOURS - ± 5.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.

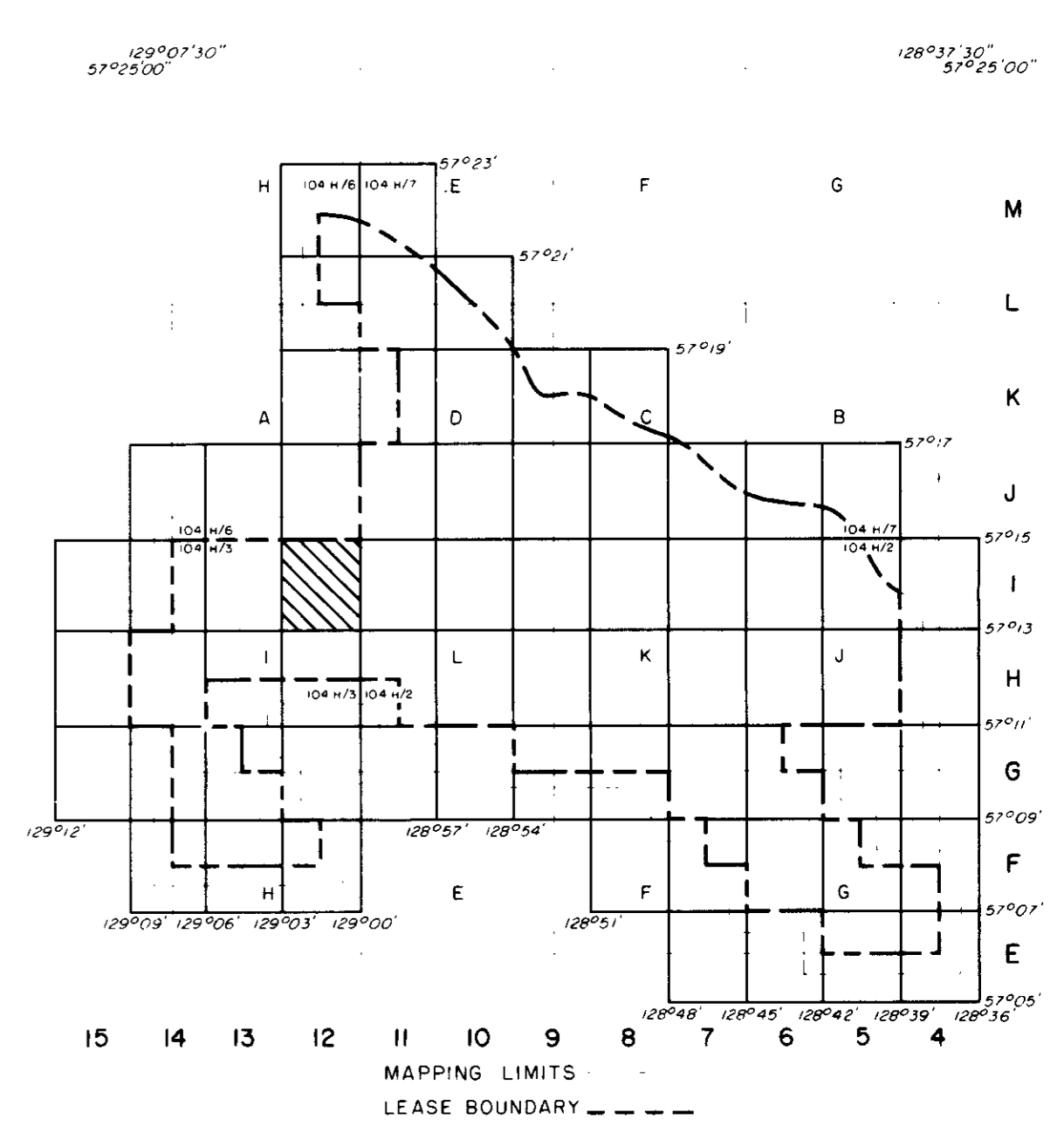
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/76 AT A SCALE OF 1:60,000 (APPROXIMATE)



MT. KLAPPAN AREA INDEX MAP



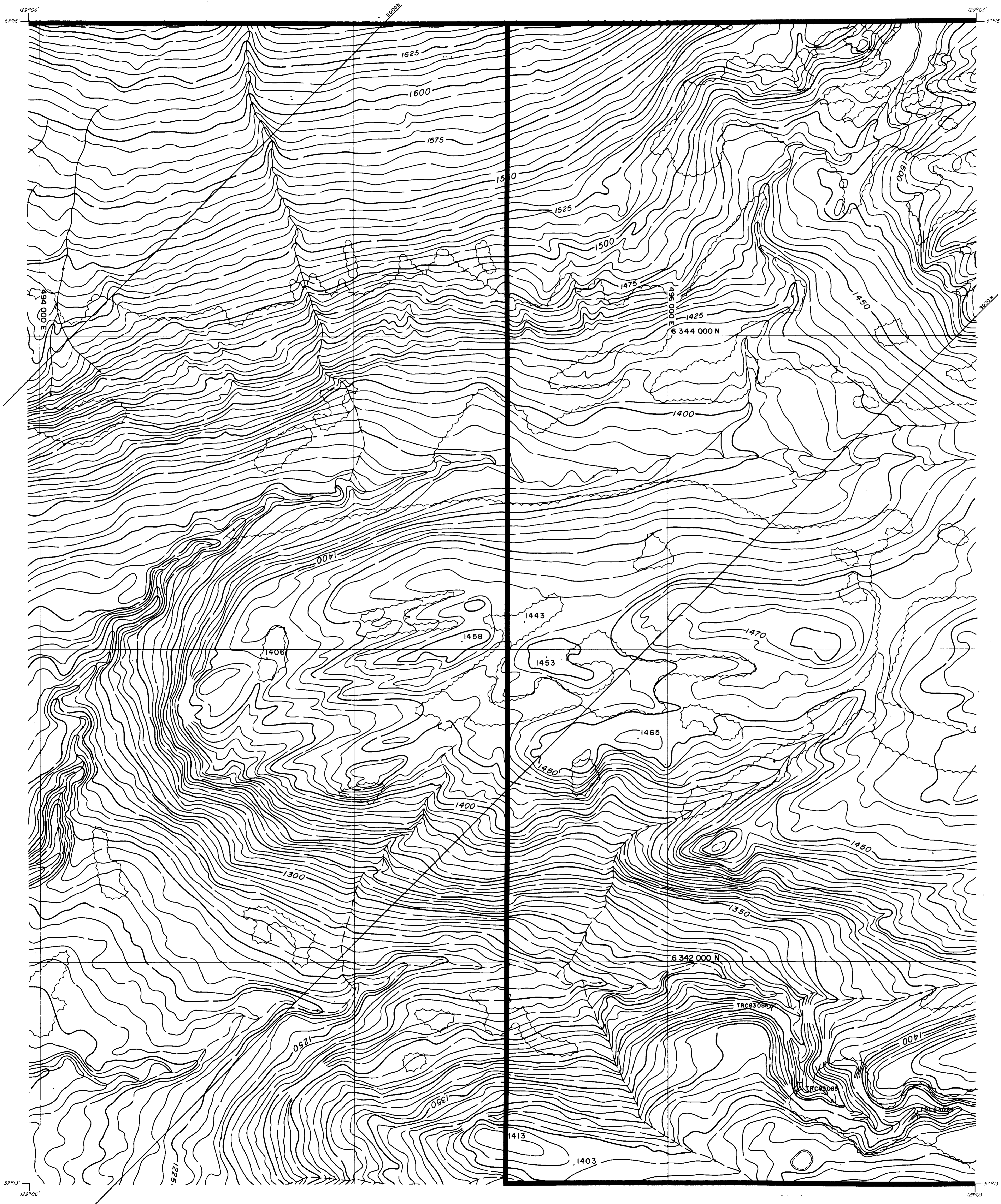
Gr. Mt. Klappan 83/2A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET 112
1983 TRENCH AND DRILL HOLE
LOCATION MAP

PREPARED BY: C. LOUIE SCALE: 1:5,000
APPROVED BY: C. WILLIAMS DATE: JAN. 1984 DRAWING No. KPN83745



LEGEND

BUILDING	---	[Symbol]
ROAD, HARD SURFACE	---	[Symbol]
LOOSE SURFACE	---	[Symbol]
CART TRACK	---	[Symbol]
TRAIL	---	[Symbol]
RAILROAD BED	---	[Symbol]
RIVER	---	[Symbol]
STREAM, DEFINITE	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPLIT	---	[Symbol]
LAKE	---	[Symbol]
WATER LEVEL	---	[Symbol]
SWAMP	---	[Symbol]
BEAVER DAM	---	[Symbol]
TREE LINE	---	[Symbol]
CUT LINE	---	[Symbol]
CONTOURS, INDEX	---	[Symbol]
INTERMEDIATE	---	[Symbol]
DEPRESSION	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPOT ELEVATION	---	[Symbol]
FORM LINES	---	[Symbol]
CUT/FILL	---	[Symbol]
FIELD CONTROL POINT	---	[Symbol]
COAL LICENCE	---	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES

CONTOUR INTERVAL = 10 M., WITH FORM LINES INTERVAL = 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OBSERVED BY TREES OR VEGETATION.

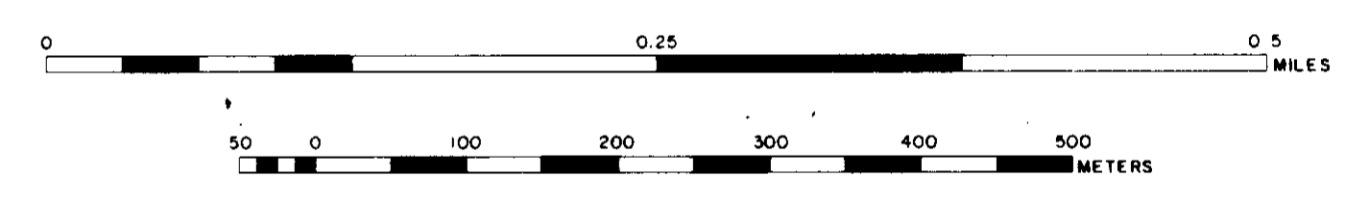
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

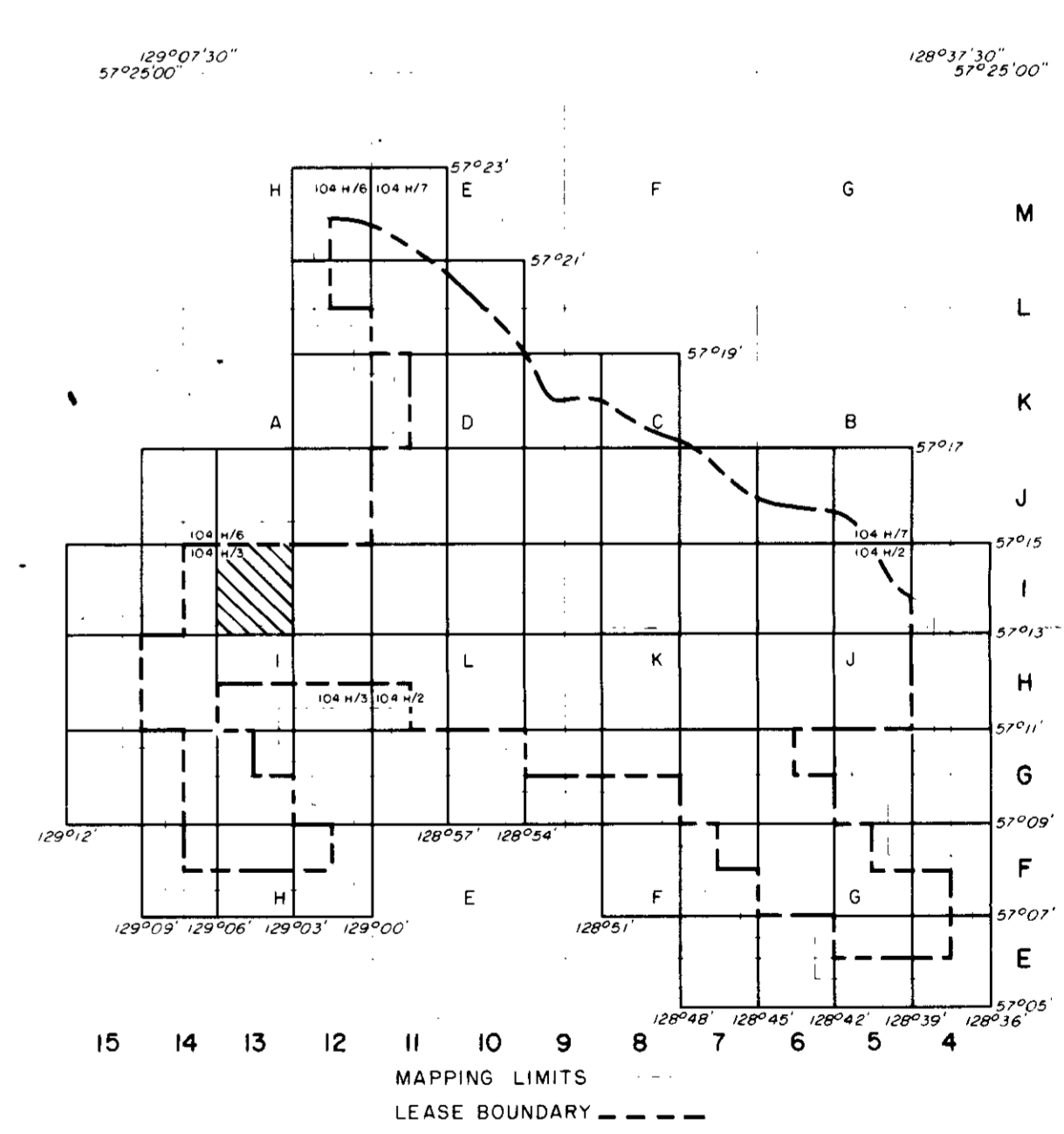
COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD MCELLELLAN LTD.,
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
AT A SCALE OF 1:60,000 (APPROXIMATE)



SCALE 1:5000



MT. KLAPPAN AREA
INDEX MAP



Co. - Mt. Klappan 83 (2)A
GULF CANADA RESOURCES INC.
Coal Division



CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET 113
1983 TRENCH AND DRILL HOLE
LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN83T46

129°09' 57" W
6344 000 N

129°06' 57" W

129°09' 57" W

129°06' 57" W

LEGEND

BUILDING	---	[Symbol]
ROAD, HARD SURFACE	---	[Symbol]
LOOSE SURFACE	---	[Symbol]
PAVEMENT	---	[Symbol]
RAILROAD BED	---	[Symbol]
RIVER	---	[Symbol]
STREAM, DEFINITE	---	[Symbol]
STREAM, APPROXIMATE	---	[Symbol]
SPLIT	---	[Symbol]
LAKE	---	[Symbol]
WATER LEVEL	---	[Symbol]
SWAMP	---	[Symbol]
BEAVER DAM	---	[Symbol]
TREE LINE	---	[Symbol]
CUT LINE	---	[Symbol]
CONTOURS, INDEX	---	[Symbol]
INTERMEDIATE	---	[Symbol]
DEPRESSION	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPOT ELEVATION	---	[Symbol]
FORM LINES	---	[Symbol]
CUT/FILL	---	[Symbol]
FIELD CONTROL POINT	---	[Symbol]
COAL LICENCE	---	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES

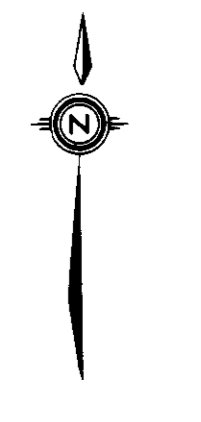
CONTOUR INTERVAL: 10 M., WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - ±5.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.

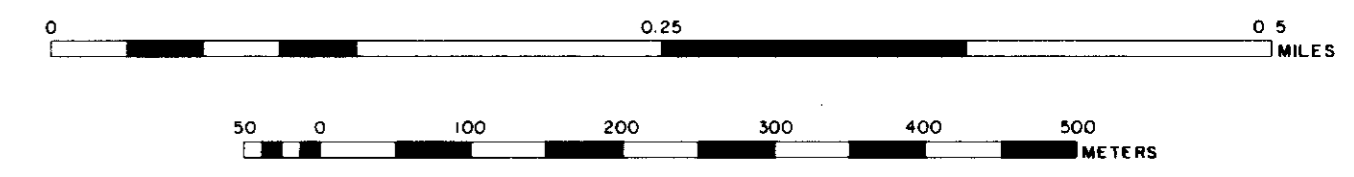
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT/82 AERIAL PHOTOGRAPHY

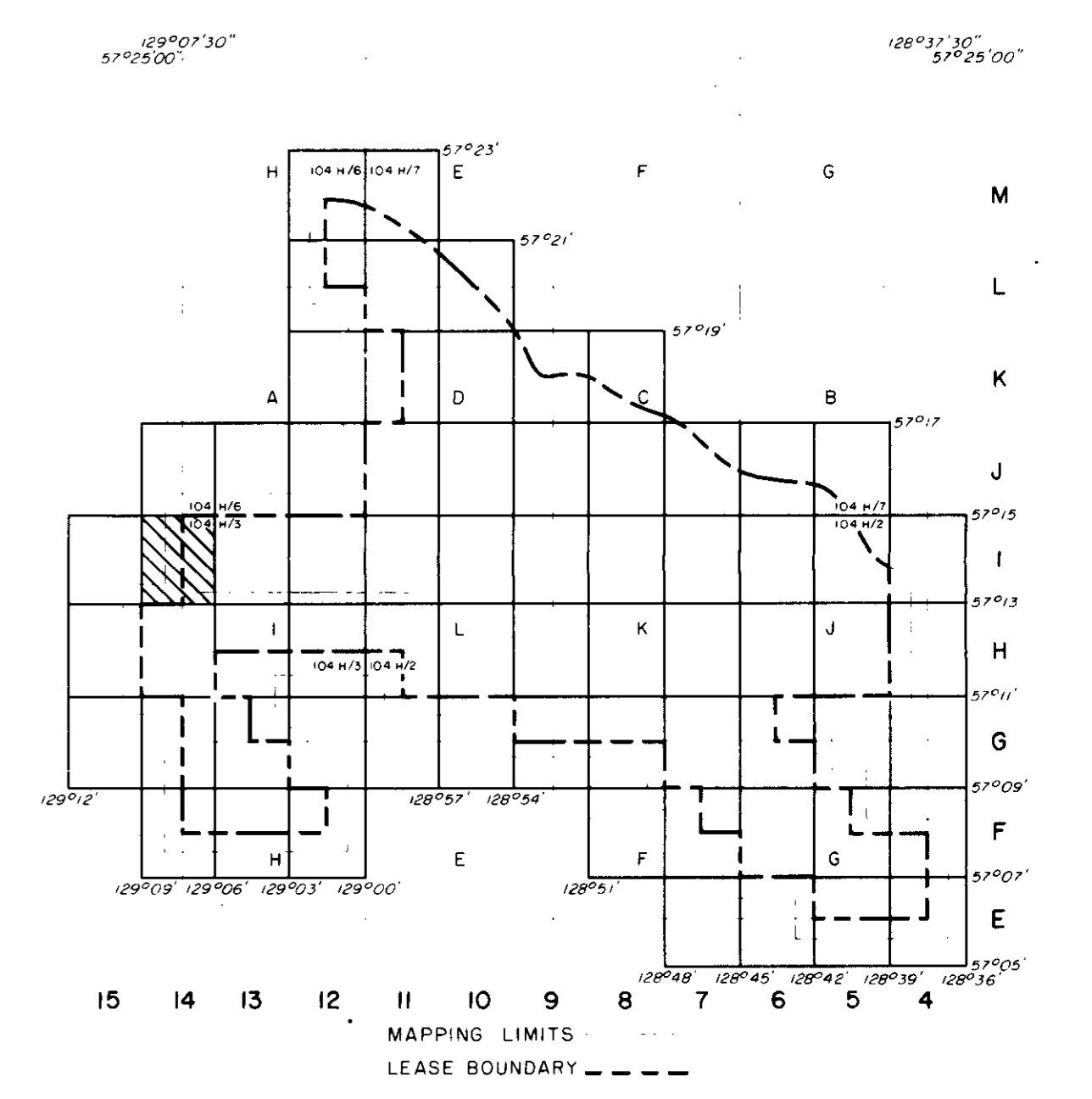
COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE)



SCALE 1:5,000



MT. KLAPPAN AREA INDEX MAP



Gr - Mt. Klappan 83(2)A

GULF CANADA RESOURCES INC.

Calgary Alberta

MT. KLAPPAN COAL PROPERTY

MAP SHEET 114

1983 TRENCH AND DRILL HOLE LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000

APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING NO. KPN83747

129°09' 57°15'

129°09' 57°15'

6 344 000 N

488 000 E

6 342 000 N

57°13' 129°09'

57°13' 129°09'

LEGEND

BUILDING	[Symbol]
ROAD, HARD SURFACE	[Symbol]
LOOSE SURFACE	[Symbol]
CART TRACK	[Symbol]
TRAIL	[Symbol]
RAILROAD BED	[Symbol]
RIVER	[Symbol]
STREAM, DEFINITE	[Symbol]
APPROXIMATE	[Symbol]
SPLIT	[Symbol]
LAKE	[Symbol]
WATER LEVEL	[Symbol]
SWAMP	[Symbol]
BEAVER DAM	[Symbol]
TREE LINE	[Symbol]
CUT LINE	[Symbol]
CONTOURS, INDEX	[Symbol]
INTERMEDIATE	[Symbol]
DEPRESSION	[Symbol]
APPROXIMATE	[Symbol]
SPOT ELEVATION	[Symbol]
FORM LINES	[Symbol]
CUT/FILL	[Symbol]
FIELD CONTROL POINT	[Symbol]
COAL LICENCE	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL = 10 M., WITH FORM LINES INTERVAL = 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.

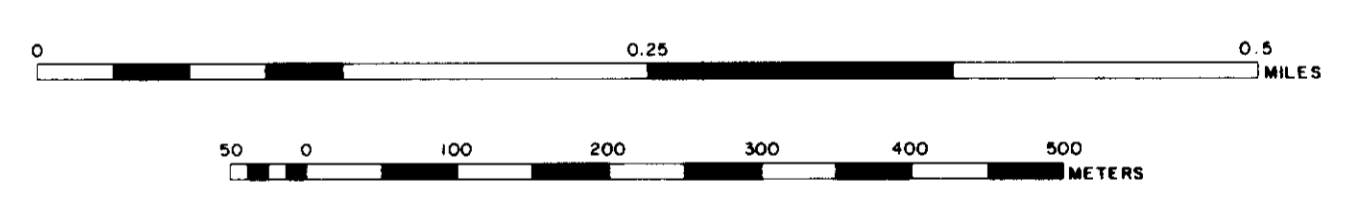
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

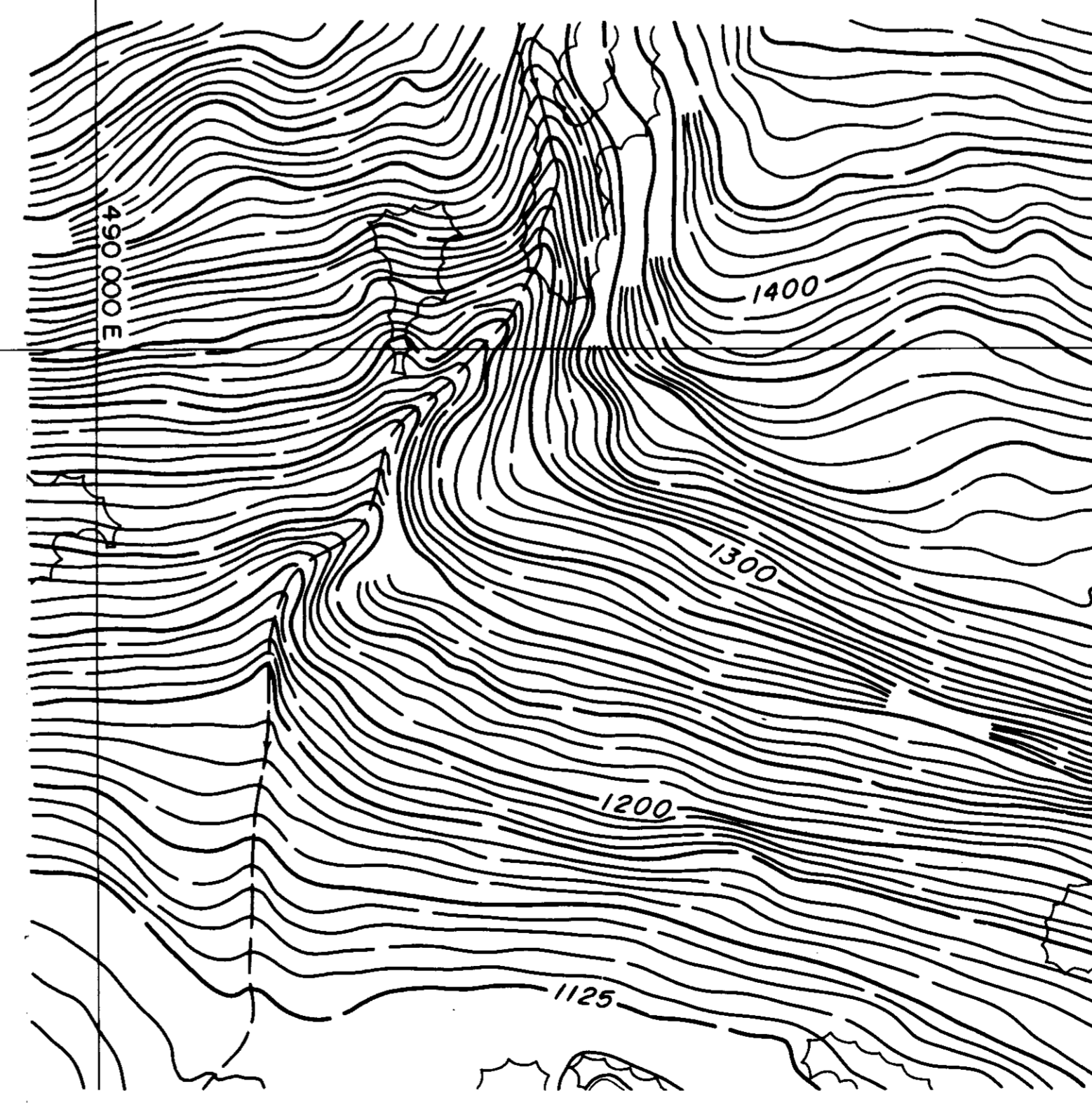
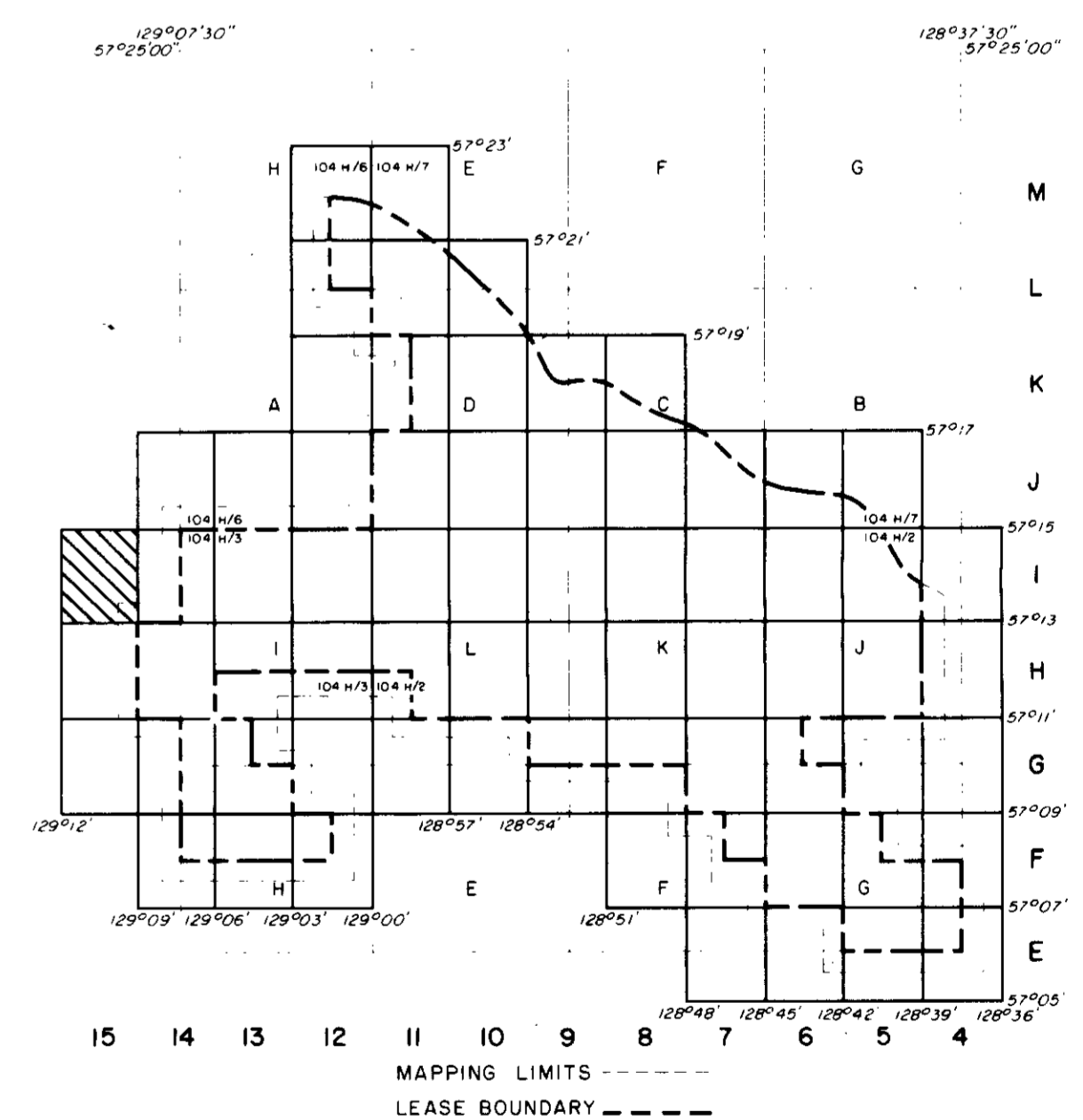
COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD.,
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/82
AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5,000



MT. KLAPPAN AREA INDEX MAP



GR - MT. KLAPPAN 83 (2)A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET 1 15
1983 TRENCH AND DRILL HOLE LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN83T48

120°42'
57°17'

120°39'
57°17'

LEGEND

BUILDING	[Symbol]
ROAD, HARD SURFACE	[Symbol]
LOOSE SURFACE	[Symbol]
CART TRACK	[Symbol]
TRAIL	[Symbol]
RAILROAD BED	[Symbol]
RIVER	[Symbol]
STREAM, DEFINITE	[Symbol]
APPROXIMATE	[Symbol]
SPLIT	[Symbol]
LAKE	[Symbol]
WATER LEVEL	[Symbol]
SWAMP	[Symbol]
BEAVER DAM	[Symbol]
TREE LINE	[Symbol]
CUT LINE	[Symbol]
CONTOURS, INDEX	[Symbol]
INTERMEDIATE	[Symbol]
DEPRESSION	[Symbol]
APPROXIMATE	[Symbol]
SPOT ELEVATION	[Symbol]
FORM LINES	[Symbol]
CUT/FILL	[Symbol]
FIELD CONTROL POINT	[Symbol]
COAL LICENCE	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES

CONTOUR INTERVAL = 10 M, WITH FORM LINES INTERVAL = 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

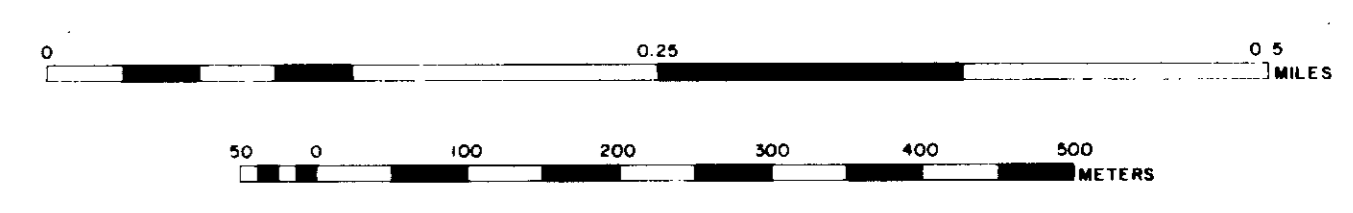
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

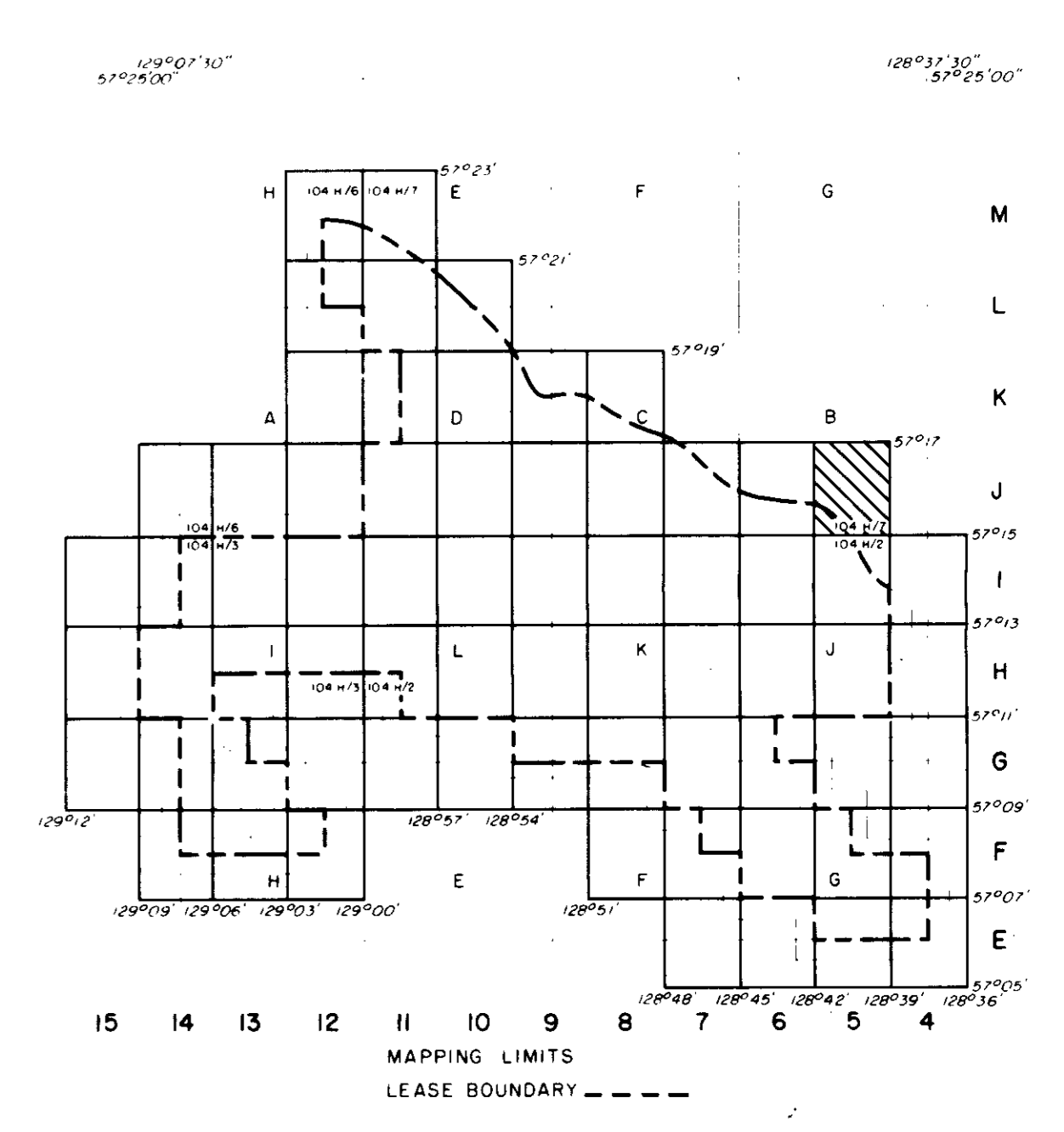
COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5000

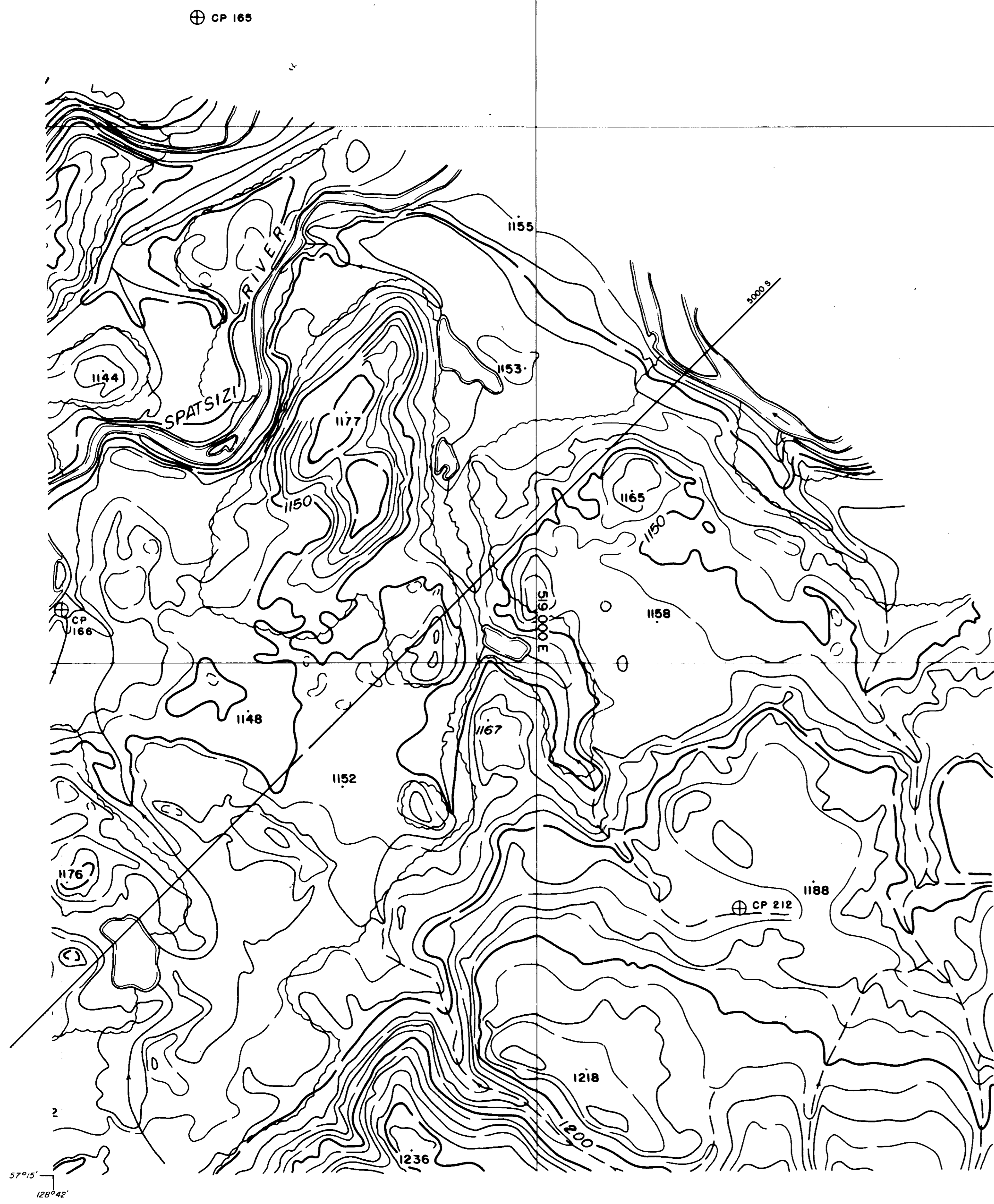


MT. KLAPPAN AREA INDEX MAP



GR-MT. KLAPPAN 83(2)A

GULF CANADA RESOURCES INC.		
Calgary	Coal Division	ALBERTA
MT. KLAPPAN COAL PROPERTY		
MAP SHEET J 5		
1983 TRENCH AND DRILL HOLE LOCATION MAP		
PREPARED BY: C. LOUIE	SCALE: 1:5000	
APPROVED BY: C. WILLIAMS	DATE: JAN, 1984	DRAWING No. KPN83749

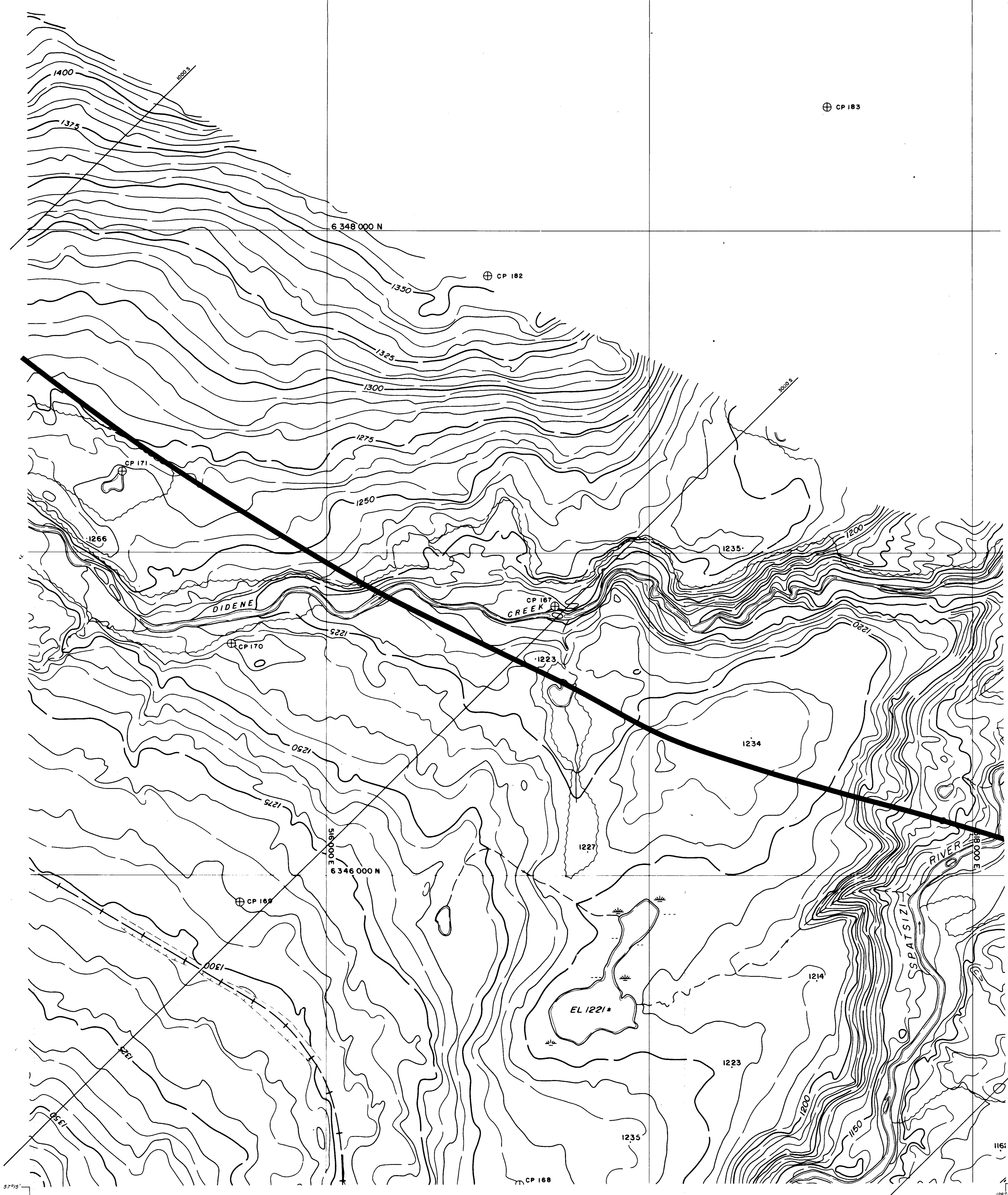


57°15'
120°42'

57°15'
120°39'

128°45' 57°17'

128°42' 57°17'



LEGEND

BUILDING	[Symbol]
ROAD, HARD SURFACE	[Symbol]
LOOSE SURFACE	[Symbol]
CART TRACK	[Symbol]
TRAIL	[Symbol]
RAILROAD BED	[Symbol]
RIVER	[Symbol]
STREAM, DEFINITE	[Symbol]
STREAM, APPROXIMATE	[Symbol]
LAKE	[Symbol]
WATER LEVEL	[Symbol]
SWAMP	[Symbol]
BEAVER DAM	[Symbol]
TREE LINE	[Symbol]
CUT LINE	[Symbol]
CONTOURS, INDEX	[Symbol]
CONTOURS, INTERMEDIATE	[Symbol]
CONTOURS, DEPRESSION	[Symbol]
CONTOURS, APPROXIMATE	[Symbol]
SPOT ELEVATION	[Symbol]
FORM LINES	[Symbol]
CUT/FILL	[Symbol]
FIELD CONTROL POINT	[Symbol]
COAL LICENCE	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL: 10 M., WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OBSERVED BY TREES OR VEGETATION.

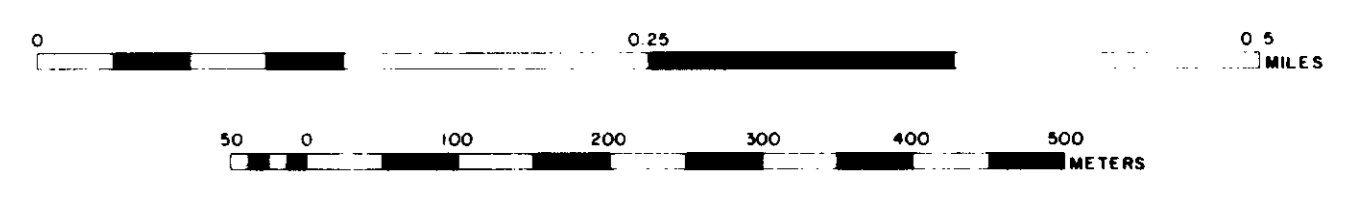
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION: BASED ON SEPT./82 AERIAL PHOTOGRAPHY

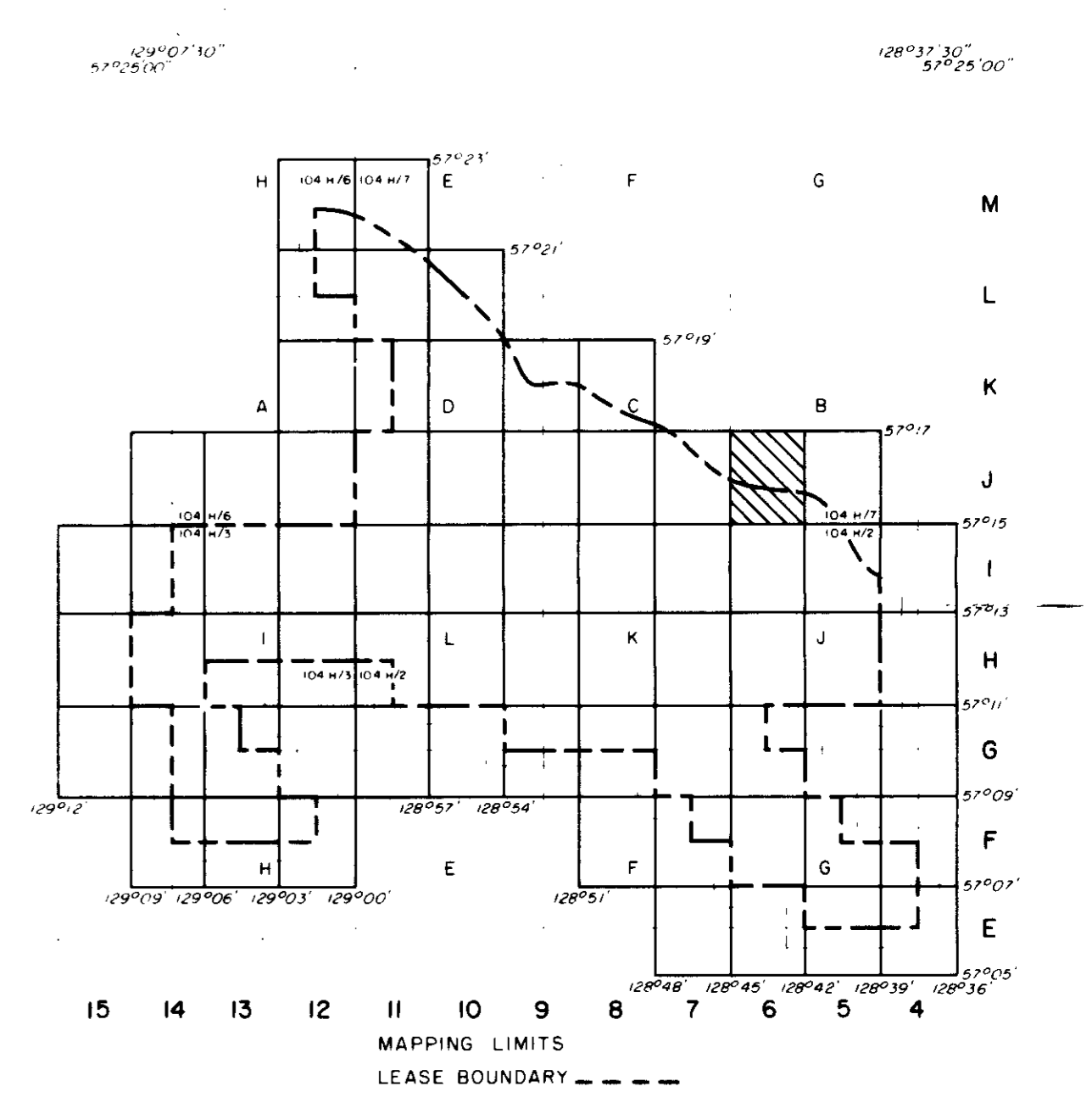
COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD MULLER LTD.,
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
AT A SCALE OF 1:60,000 (APPROXIMATE)



SCALE 1:5000



MT. KLAPPAN AREA INDEX MAP

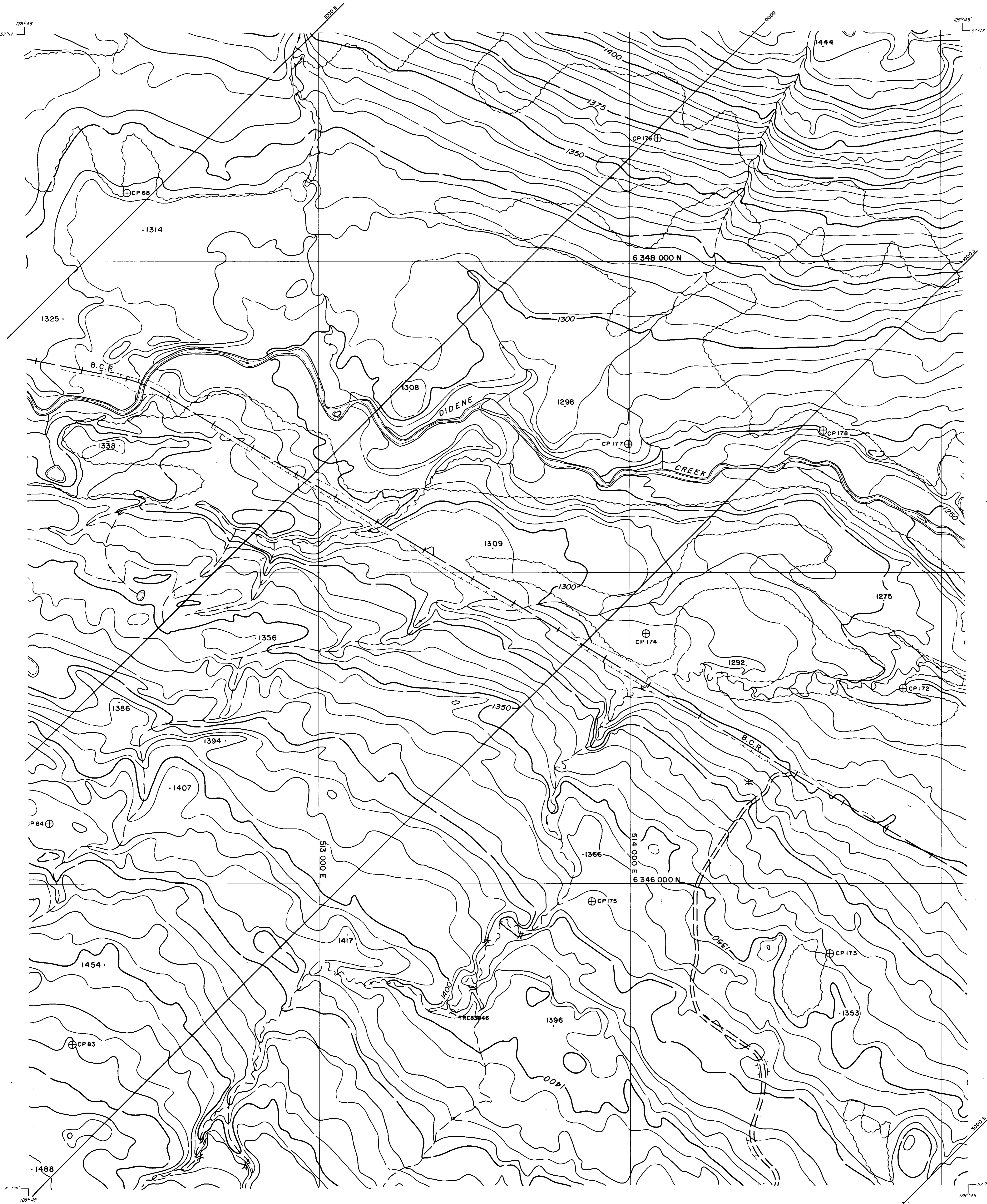


CR-MT. KLAPPAN 83 (D)A

GULF CANADA RESOURCES INC.		
Calgary		ALBERTA
MT. KLAPPAN COAL PROPERTY		
MAP SHEET J 6		
1983 TRENCH AND DRILL HOLE LOCATION MAP		
PREPARED BY: C. LOUIE	SCALE 1:5000	
APPROVED BY: C. WILLIAMS	DATE: JAN, 1984	DRAWING No. KPN83750

128°45' 57°15'

128°42' 57°15'



LEGEND

BUILDING	[Symbol]
ROAD, HARD SURFACE	[Symbol]
LOOSE SURFACE	[Symbol]
CART TRACK	[Symbol]
TRAIL	[Symbol]
RAILROAD BED	[Symbol]
RIVER	[Symbol]
STREAM, DEFINITE	[Symbol]
APPROXIMATE	[Symbol]
SPLIT	[Symbol]
LAKE	[Symbol]
WATER LEVEL	[Symbol]
SWAMP	[Symbol]
BEAVER DAM	[Symbol]
TREE LINE	[Symbol]
CUT LINE	[Symbol]
CONTOURS, INTERMEDIATE	[Symbol]
DEPRESSION	[Symbol]
APPROXIMATE	[Symbol]
SPOT ELEVATION	[Symbol]
FORM LINES	[Symbol]
CUT/FILL	[Symbol]
FIELD CONTROL POINT	[Symbol]
COAL LICENCE	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL: 10 M, WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5 M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10 M CONTOURS - 15.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.

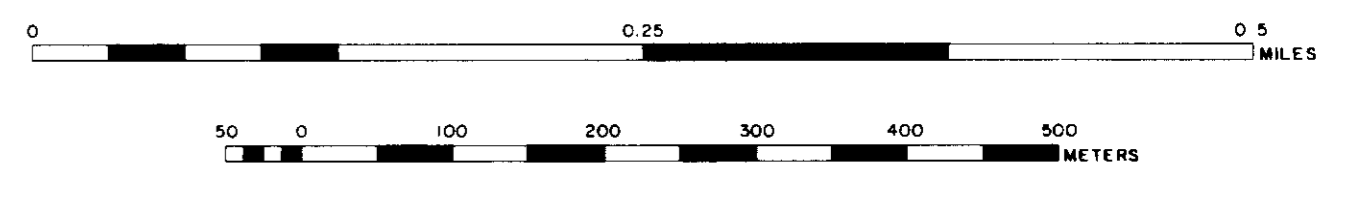
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND A.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY.

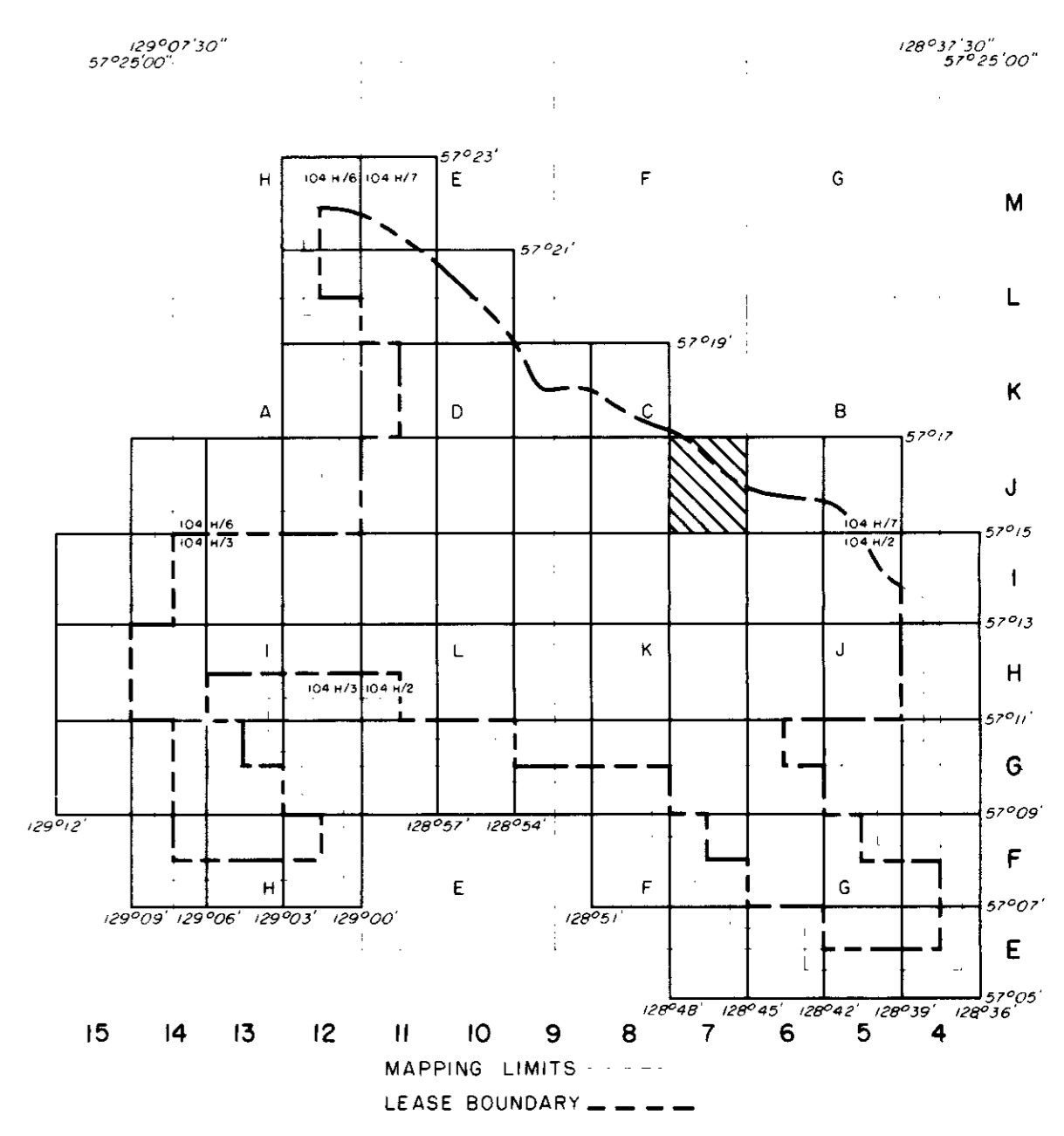
COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5,000



MT. KLAPPAN AREA INDEX MAP



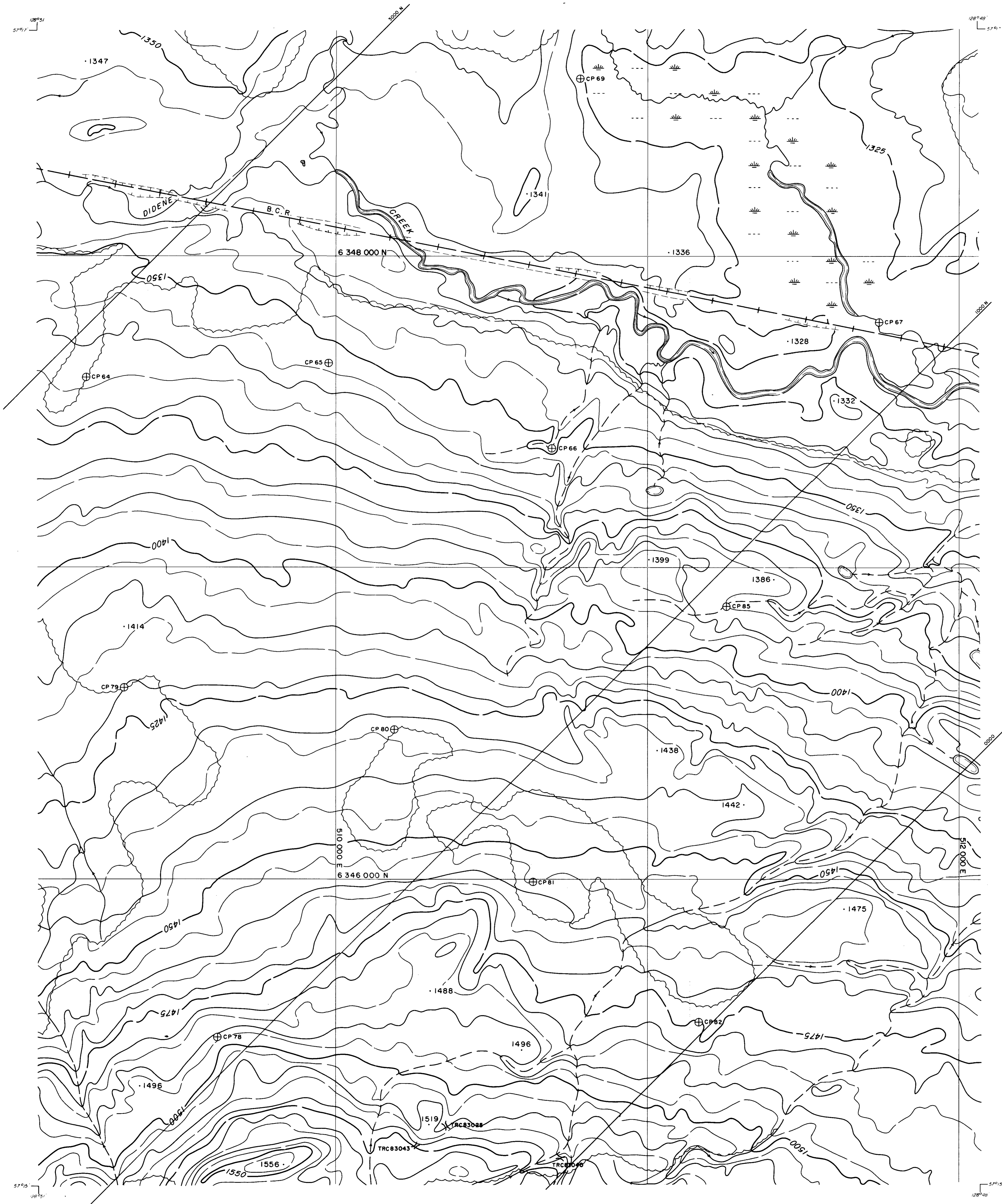
GER-MT. KLAPPAN 83(2)A

GULF CANADA RESOURCES INC.
 Coal Division

CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET J 7
1983 TRENCH AND DRILL HOLE
LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
 APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN83751



LEGEND

BUILDING	---	---
ROAD, HARD SURFACE	---	---
ROAD, LOOSE SURFACE	---	---
CART TRACK	---	---
TRAIL	---	---
RAILROAD BED	---	---
RIVER	---	---
STREAM, DEFINITE	---	---
STREAM, APPROXIMATE	---	---
SPLIT	---	---
LAKE	---	---
WATER LEVEL	---	FL 508'
SWAMP	---	---
BEAVER DAM	---	---
TREE LINE	---	---
CUT LINE	---	---
CONTOURS, INDEX	---	---
CONTOURS, INTERMEDIATE	---	---
CONTOURS, DEPRESSION	---	---
CONTOURS, APPROXIMATE	---	---
SPOT ELEVATION	---	---
FORM LINES	---	---
CUT/FILL	---	---
FIELD CONTROL POINT	---	---
COAL LICENCE	---	---

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES

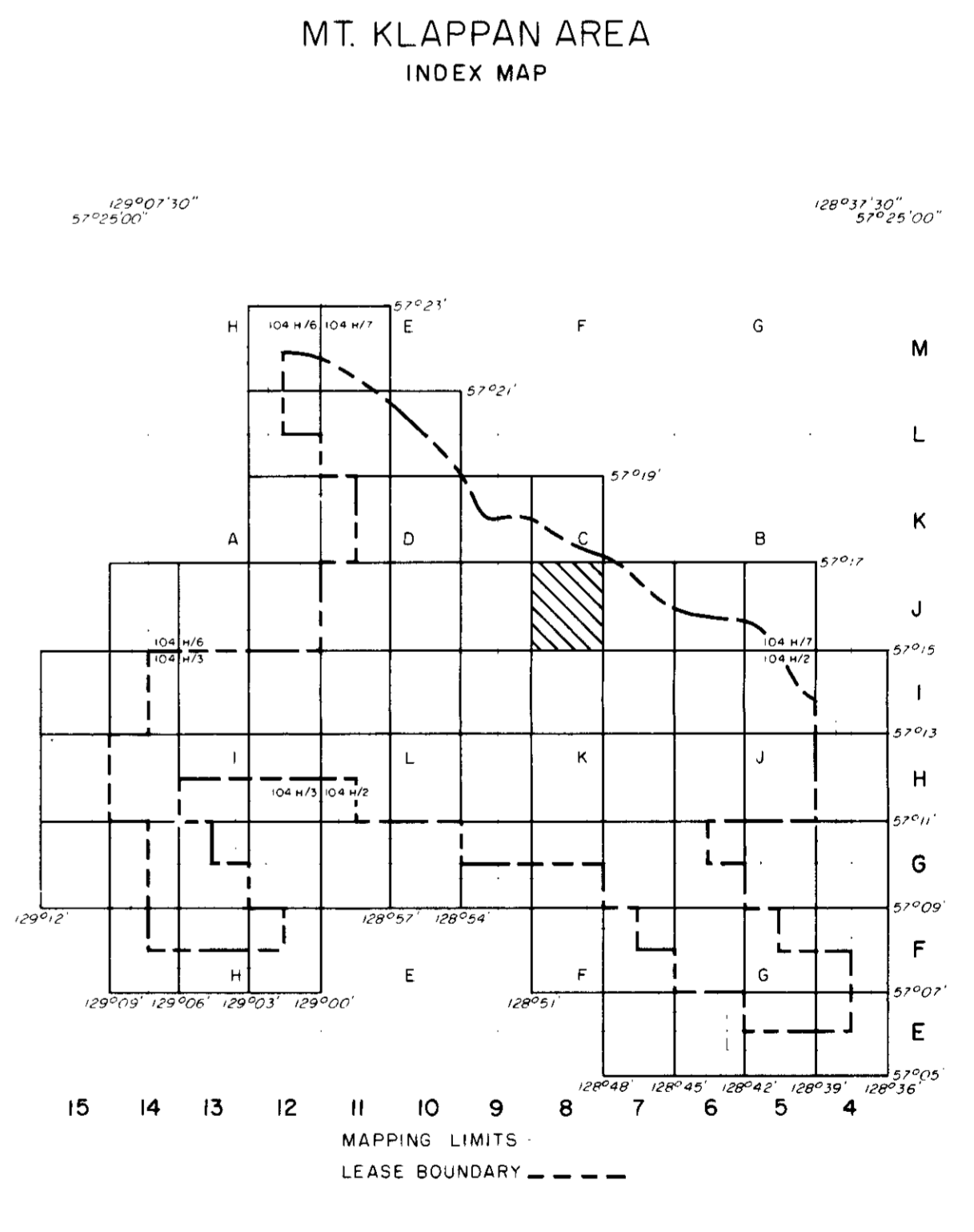
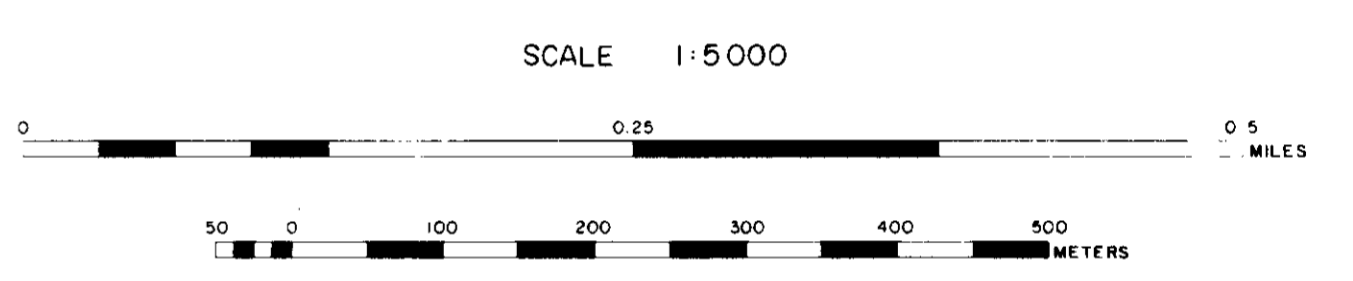
CONTOUR INTERVAL: 10 M., WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.

SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE).



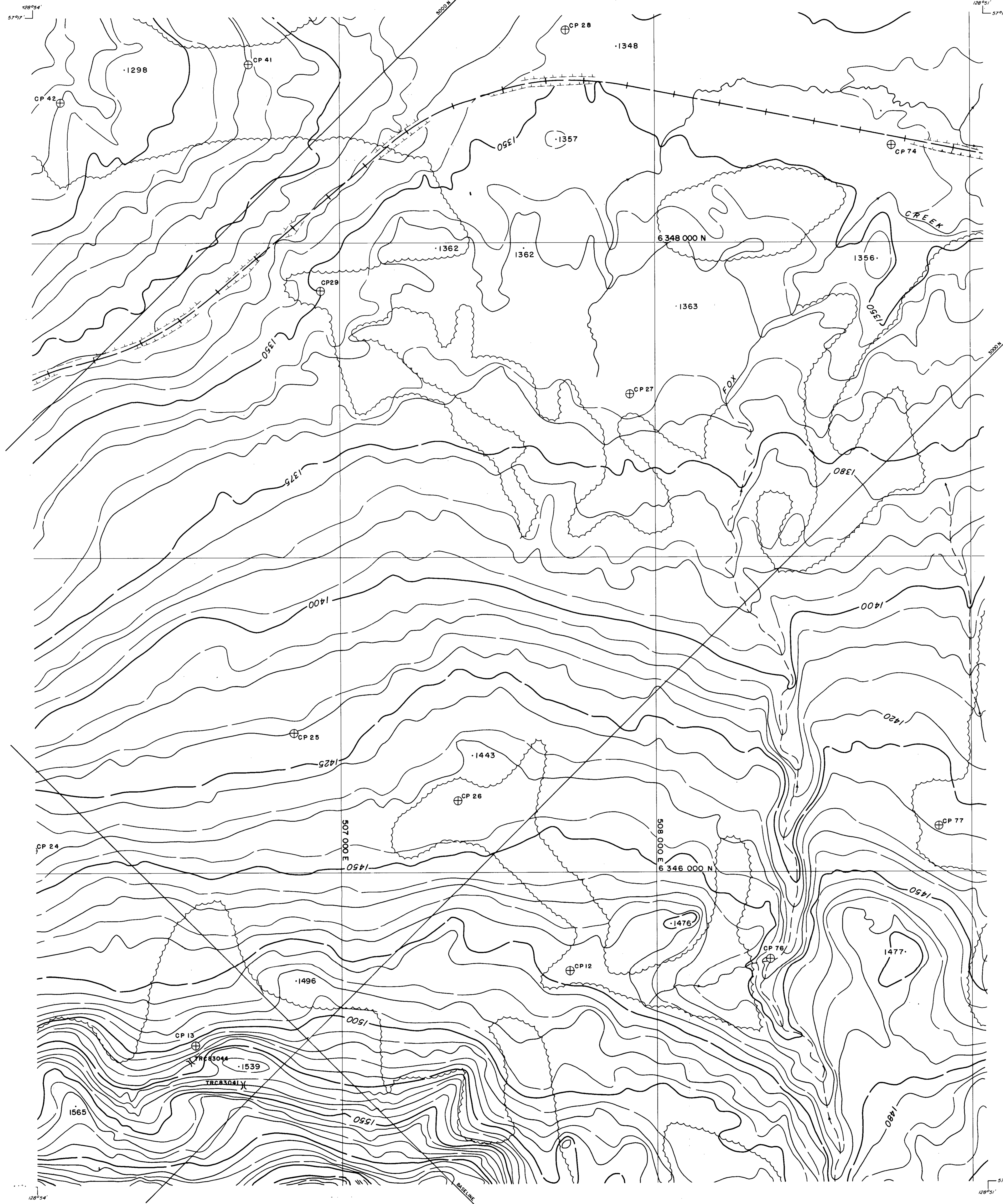
GR - MT. KLAPPAN 83(2)A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET J 8
1983 TRENCH AND DRILL HOLE
LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN83T52



LEGEND

BUILDING	[Symbol]
ROAD, HARD SURFACE	[Symbol]
ROAD, LOOSE SURFACE	[Symbol]
CART TRACK	[Symbol]
TRAIL	[Symbol]
RAILROAD BED	[Symbol]
RIVER	[Symbol]
STREAM, DEFINITE	[Symbol]
STREAM, APPROXIMATE	[Symbol]
SPLIT	[Symbol]
LAKE	[Symbol]
WATER LEVEL	[Symbol]
SWAMP	[Symbol]
BEAVER DAM	[Symbol]
TREE LINE	[Symbol]
CUT LINE	[Symbol]
CONTOURS, INDEX	[Symbol]
CONTOURS, INTERMEDIATE	[Symbol]
CONTOURS, DEPRESSION	[Symbol]
CONTOURS, APPROXIMATE	[Symbol]
SPOT ELEVATION	[Symbol]
FORM LINES	[Symbol]
CUT/FILL	[Symbol]
FIELD CONTROL POINT	[Symbol]
COAL LICENCE	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES

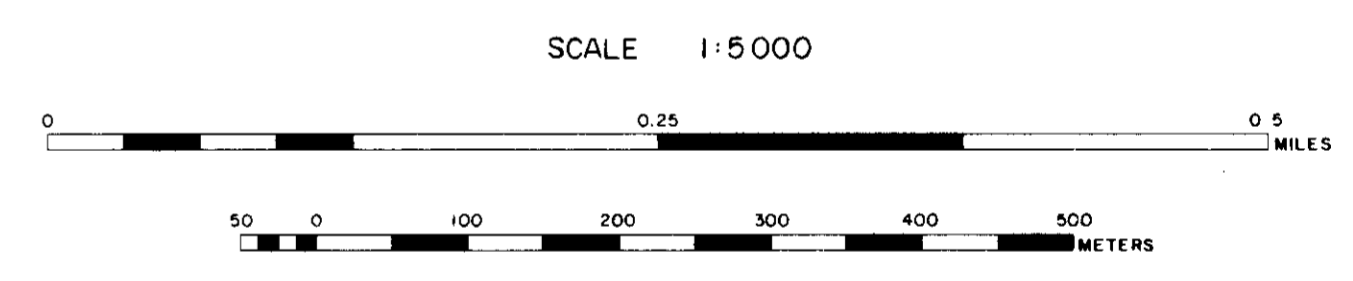
CONTOUR INTERVAL: 10 M., WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5 M. FORM LINES IS EQUAL TO THE ACCURACY OF THE 10 M. CONTOURS +15.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

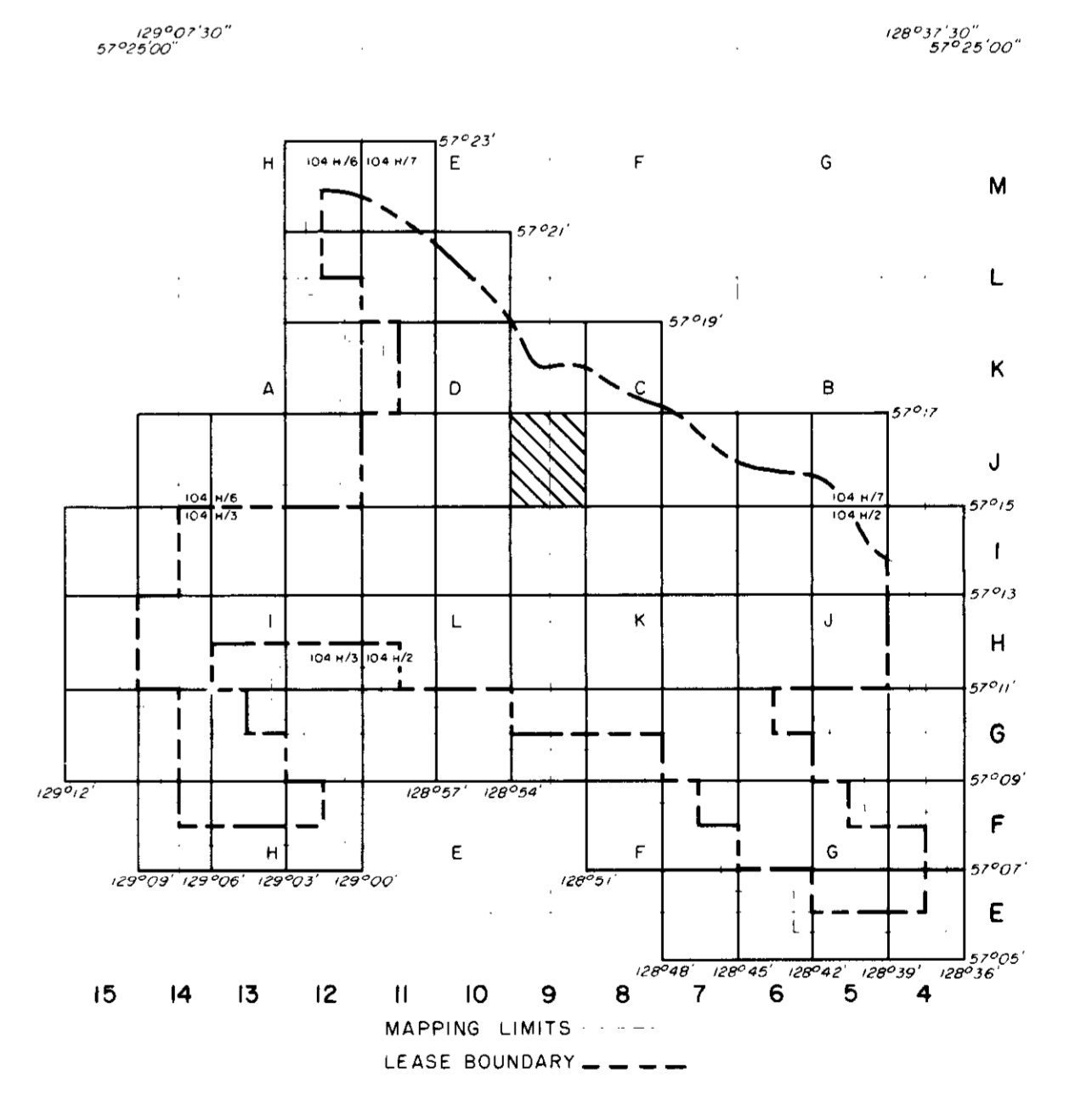
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD MCGLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE).



MT. KLAPPAN AREA INDEX MAP



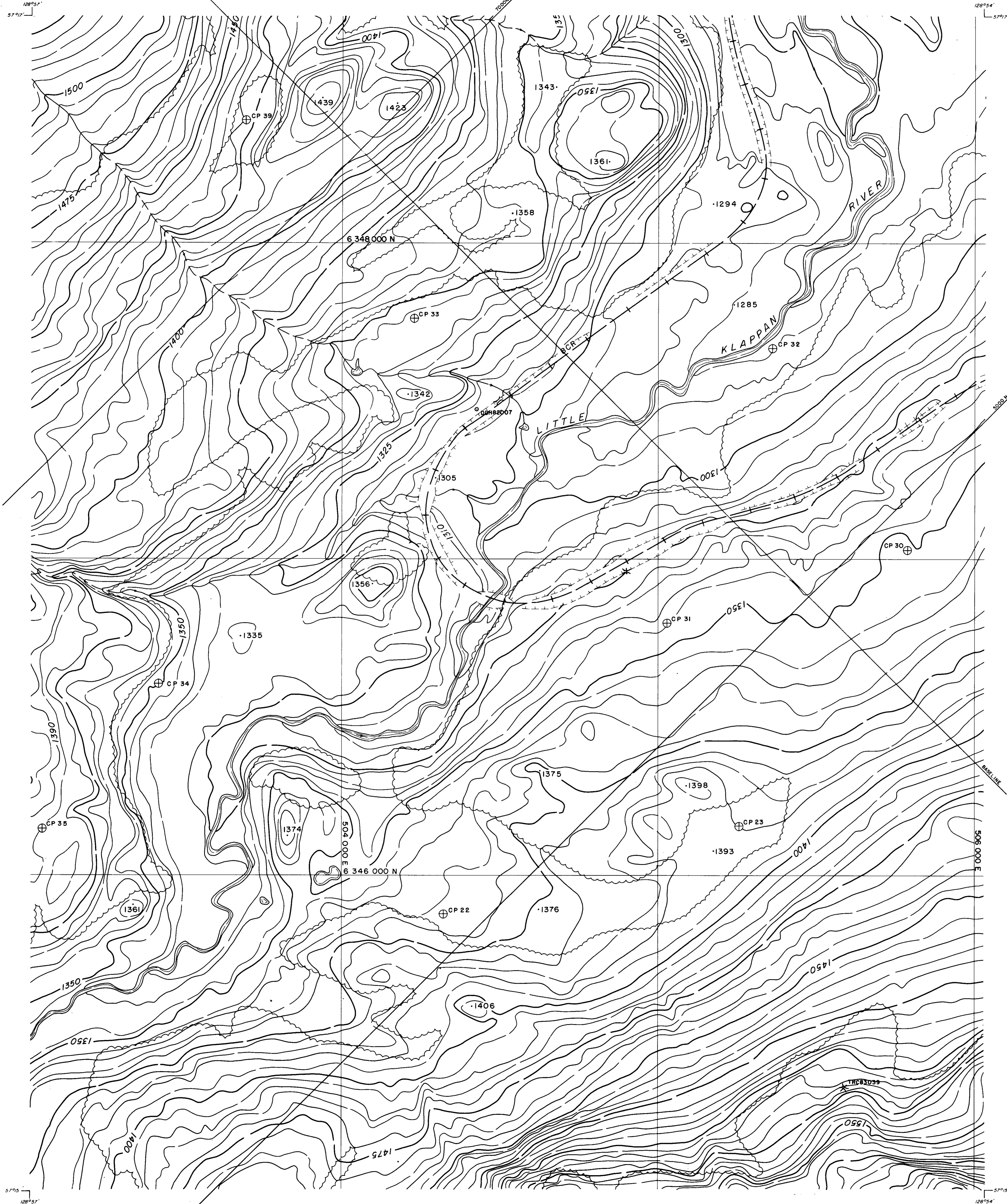
Ge. Mt. Klappan 83(2)A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

**MT. KLAPPAN COAL PROPERTY
MAP SHEET J 9
1983 TRENCH AND DRILL HOLE
LOCATION MAP**

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPM83753



LEGEND

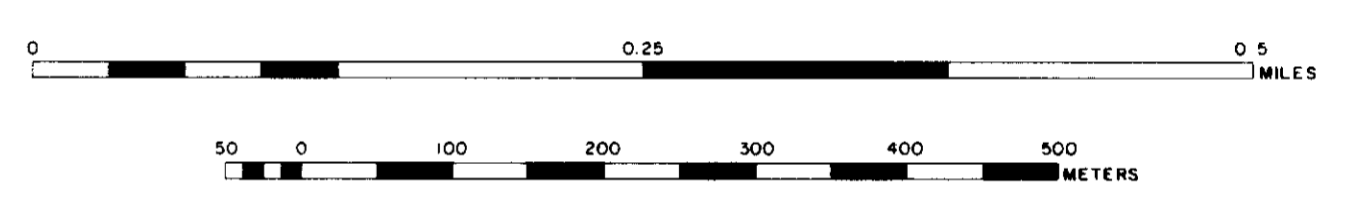
BUILDING	[Symbol]
ROAD, HARD SURFACE	[Symbol]
LOOSE SURFACE	[Symbol]
CART TRACK	[Symbol]
TRAIL	[Symbol]
RAILROAD BED	[Symbol]
RIVER	[Symbol]
STREAM, DEFINITE	[Symbol]
APPROXIMATE	[Symbol]
SPLIT	[Symbol]
LAKE	[Symbol]
WATER LEVEL	[Symbol]
SWAMP	[Symbol]
BEAVER DAM	[Symbol]
TREE LINE	[Symbol]
CUT LINE	[Symbol]
CONTOURS, INDEX	[Symbol]
INTERMEDIATE	[Symbol]
APPROXIMATE	[Symbol]
SPOT ELEVATION	[Symbol]
FORM LINES	[Symbol]
CUT/FILL	[Symbol]
FIELD CONTROL POINT	[Symbol]
COAL LICENCE	[Symbol]

NOTES

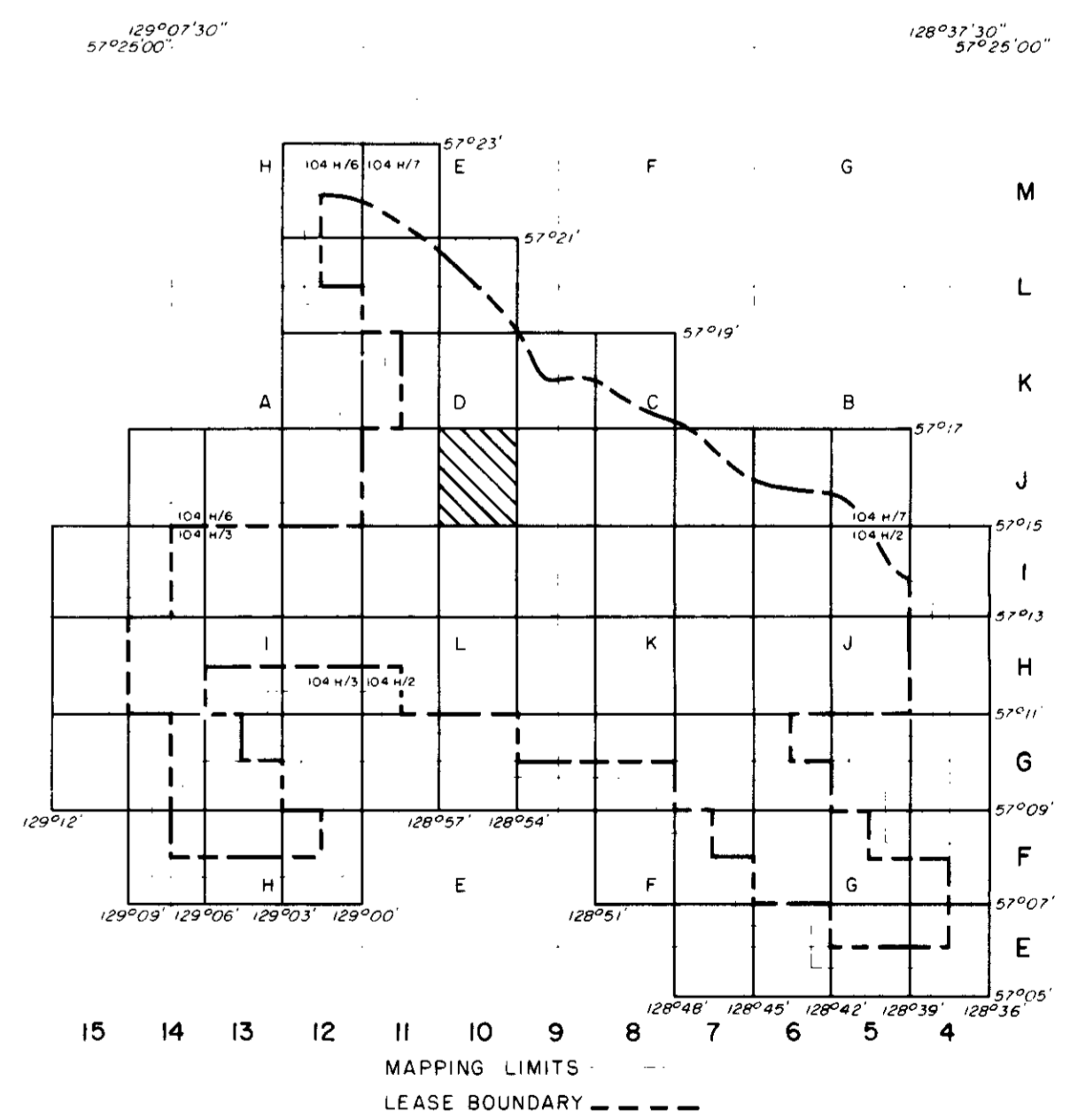
MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.
 CONTOUR INTERVAL: 10 M, WITH FORM LINES INTERVAL: 5 M.
 ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.
 SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.
 RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY
 COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5000



MT. KLAPPAN AREA INDEX MAP



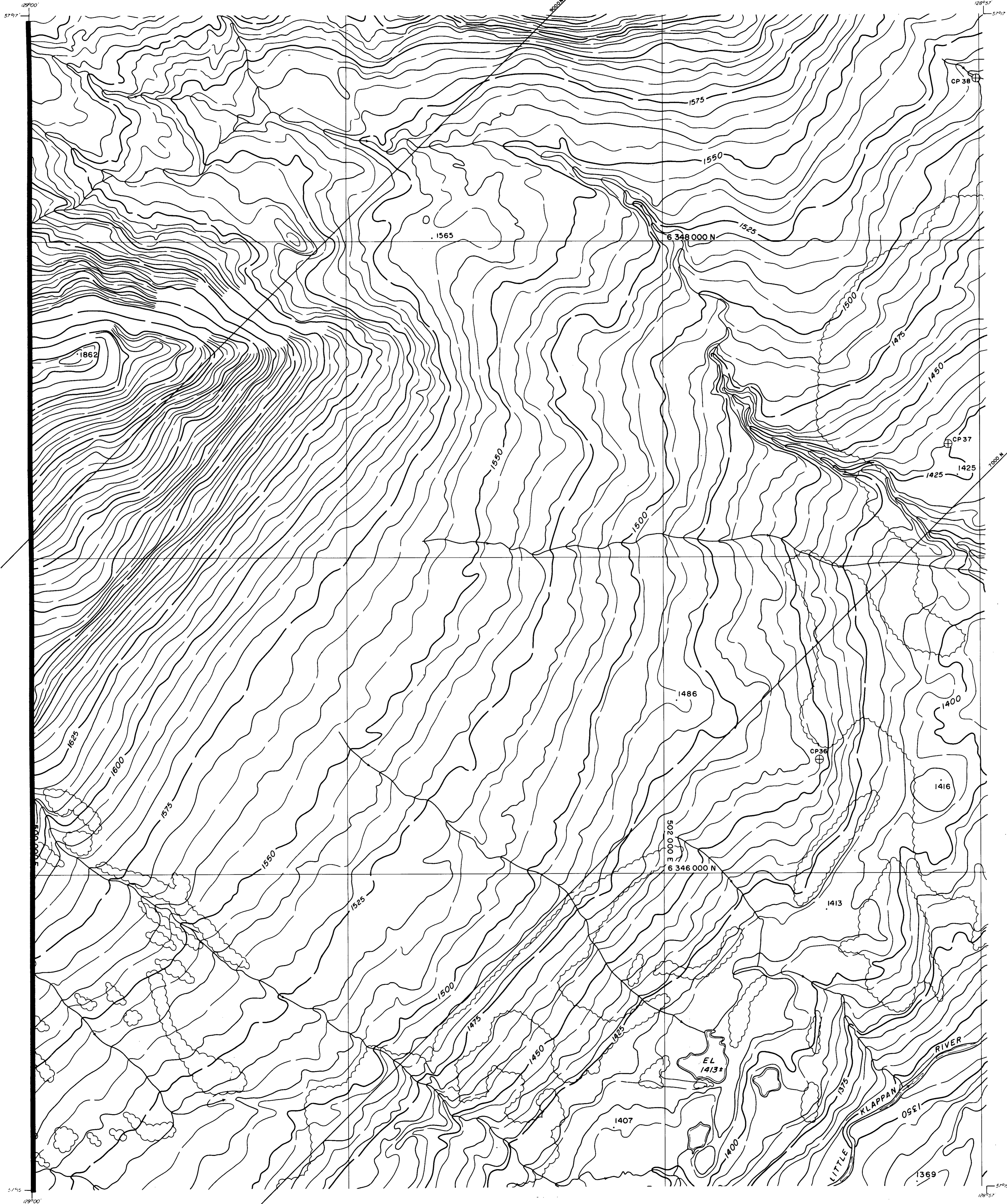
Ge. Mt. Klappan 83(6)A

GULF CANADA RESOURCES INC.
 Coal Division

CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
 MAP SHEET J 10
 1983 TRENCH AND DRILL HOLE LOCATION MAP

PREPARED BY: C. LOJIE SCALE 1:5000
 APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN83T54



LEGEND

BUILDING	---
ROAD, HARD SURFACE	---
LOOSE SURFACE	---
CART TRACK	---
TRAIL	---
RAILROAD BED	---
RIVER	---
STREAM, DEFINITE	---
STREAM, APPROXIMATE	---
SPLIT	---
LAKE	---
WATER LEVEL	---
SWAMP	---
BEAVER DAM	---
TREE LINE	---
CUT LINE	---
CONTOURS, INDEX	---
INTERMEDIATE	---
DEPRESSION	---
APPROXIMATE	---
SPOT ELEVATION	---
FORM LINES	---
CUT/FILL	---
FIELD CONTROL POINT	---
COAL LICENCE	---

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL: 10 M, WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.

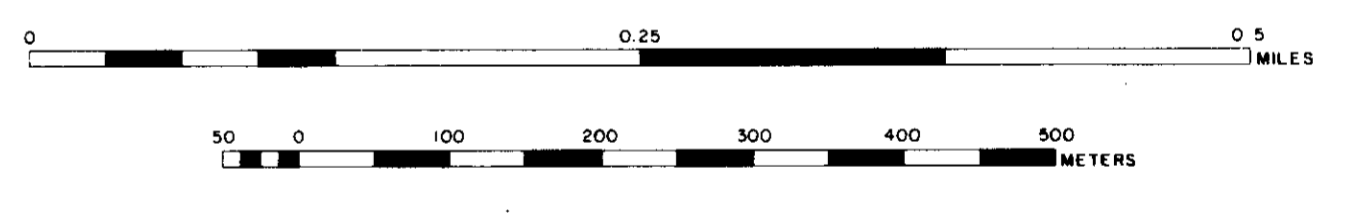
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

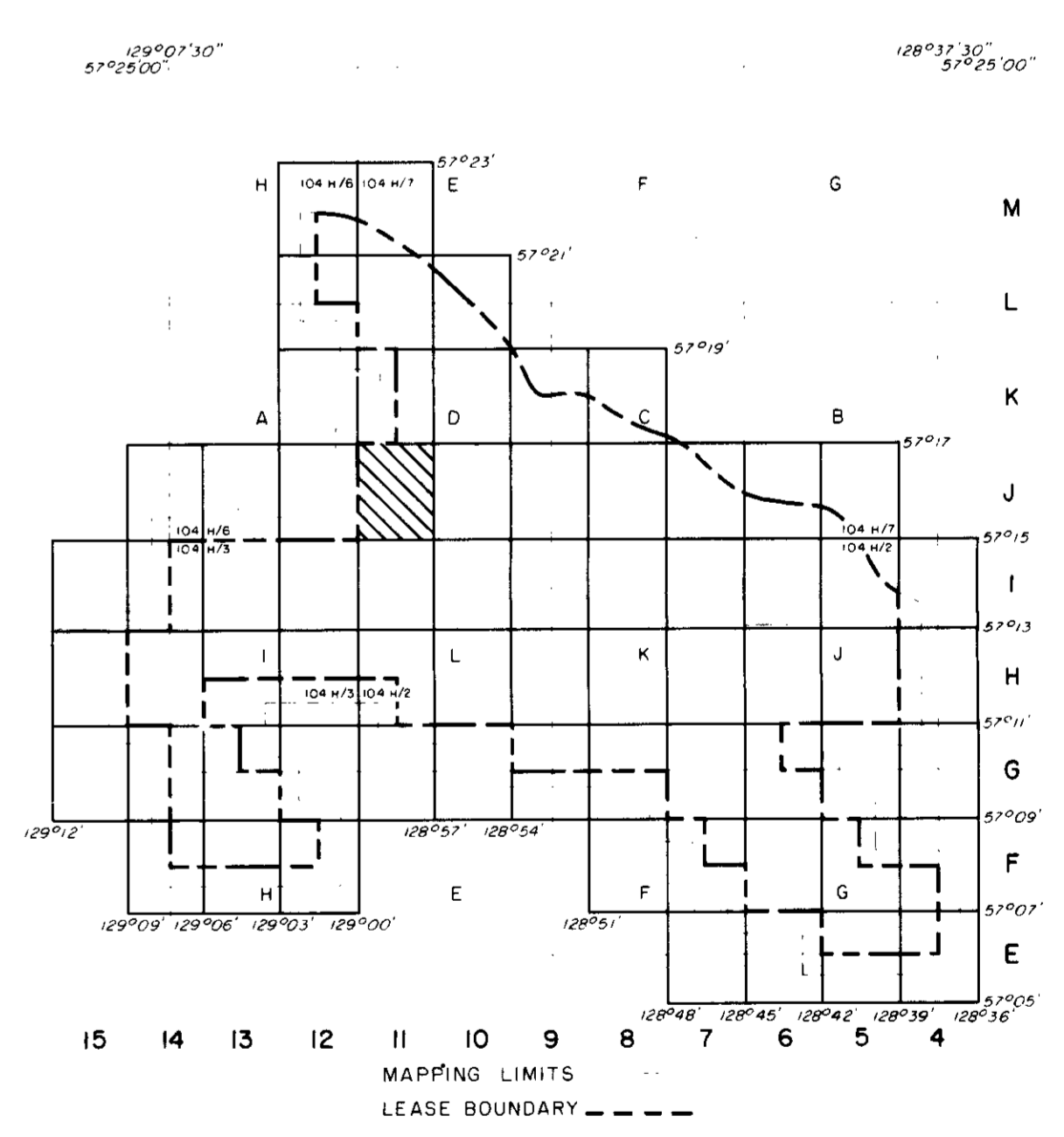
COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD. FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5000



MT. KLAPPAN AREA INDEX MAP



Gulf Canada Resources Inc. Coal Division
 CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
 MAP SHEET J 11
 1983 TRENCH AND DRILL HOLE LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
 APPROVED BY: C. WILLIAMS DATE: JAN. 1984 DRAWING No. KPN8375

129°03'
57°17'

129°00'
57°17'

6 348 000 N

498 000 E
6 346 000 N

500 000 E

LEGEND

BUILDING	---	---
ROAD, HARD SURFACE	---	---
ROAD, LOOSE SURFACE	---	---
CART TRACK	---	---
TRAIL	---	---
RAILROAD BED	---	---
RIVER	---	---
STREAM, DEFINITE	---	---
STREAM, APPROXIMATE	---	---
LAKE	---	---
WATER LEVEL	---	---
SWAMP	---	---
BEAVER DAM	---	---
TREE LINE	---	---
CUT LINE	---	---
CONTOURS, INTERMEDIATE	---	---
CONTOURS, APPROXIMATE	---	---
SPOT ELEVATION	---	---
FORM LINES	---	---
CUT/FILL	---	---
FIELD CONTROL POINT	---	---
COAL LICENCE	---	---

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES

CONTOUR INTERVAL: 10 M, WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OBSERVED BY TREES OR VEGETATION.

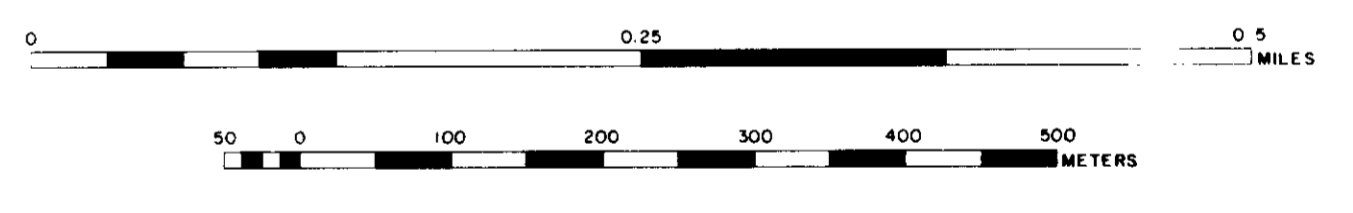
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

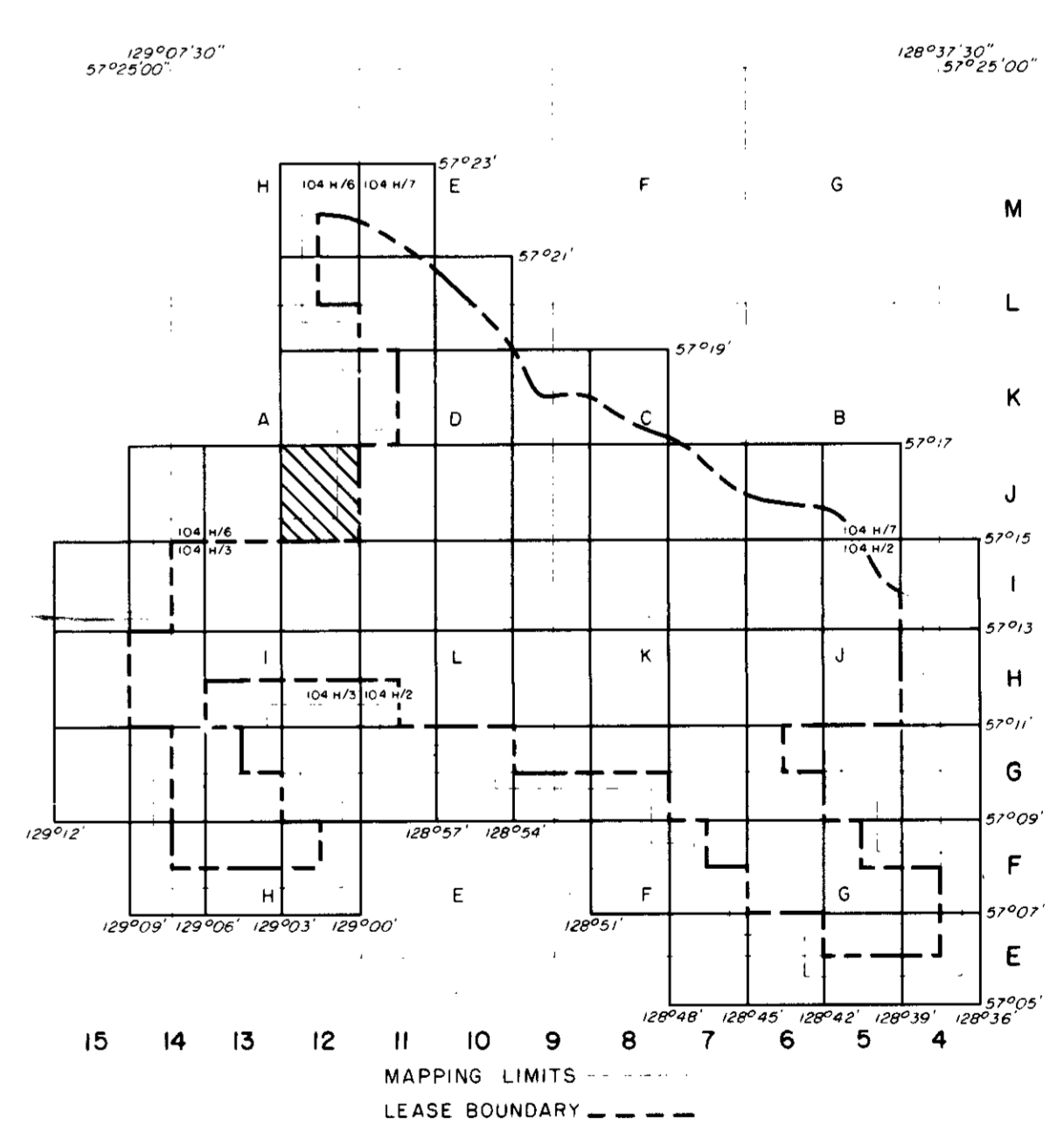
COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD. FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5000



MT. KLAPPAN AREA INDEX MAP



Gulf Canada Resources Inc. Coal Division ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET J 12
1983 TRENCH AND DRILL HOLE LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN., 1984 DRAWING No. KPN83156

129°06'
57°12'

129°03'
57°11'

LEGEND

BUILDING	---	[Symbol]
ROAD, HARD SURFACE	---	[Symbol]
ROAD, LOOSE SURFACE	---	[Symbol]
CART TRACK	---	[Symbol]
TRAIL	---	[Symbol]
RAILROAD BED	---	[Symbol]
RIVER	---	[Symbol]
STREAM, DEFINITE	---	[Symbol]
STREAM, APPROXIMATE	---	[Symbol]
SPLIT	---	[Symbol]
LAKE	---	[Symbol]
WATER LEVEL	---	[Symbol]
SWAMP	---	[Symbol]
BEAVER DAM	---	[Symbol]
TREE LINE	---	[Symbol]
CUT LINE	---	[Symbol]
CONTOURS, INDEX	---	[Symbol]
CONTOURS, INTERMEDIATE	---	[Symbol]
CONTOURS, APPROXIMATE	---	[Symbol]
SPOT ELEVATION	---	[Symbol]
FORM LINES	---	[Symbol]
CUT/FILL	---	[Symbol]
FIELD CONTROL POINT	---	[Symbol]
COAL LICENCE	---	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES

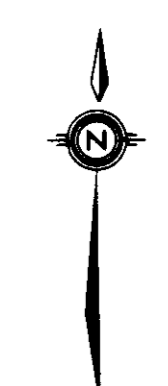
CONTOUR INTERVAL: 10 M, WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.

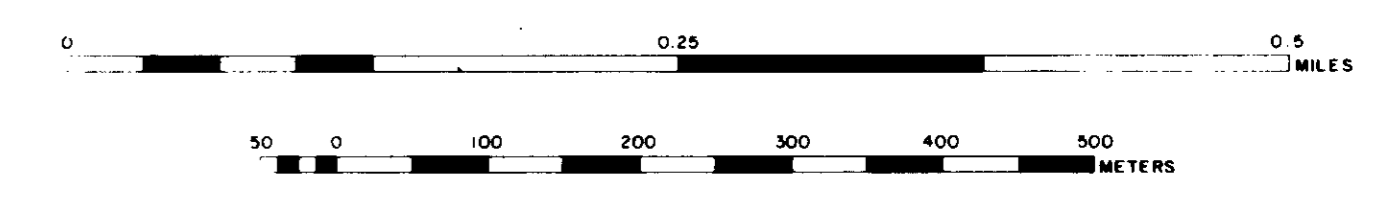
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

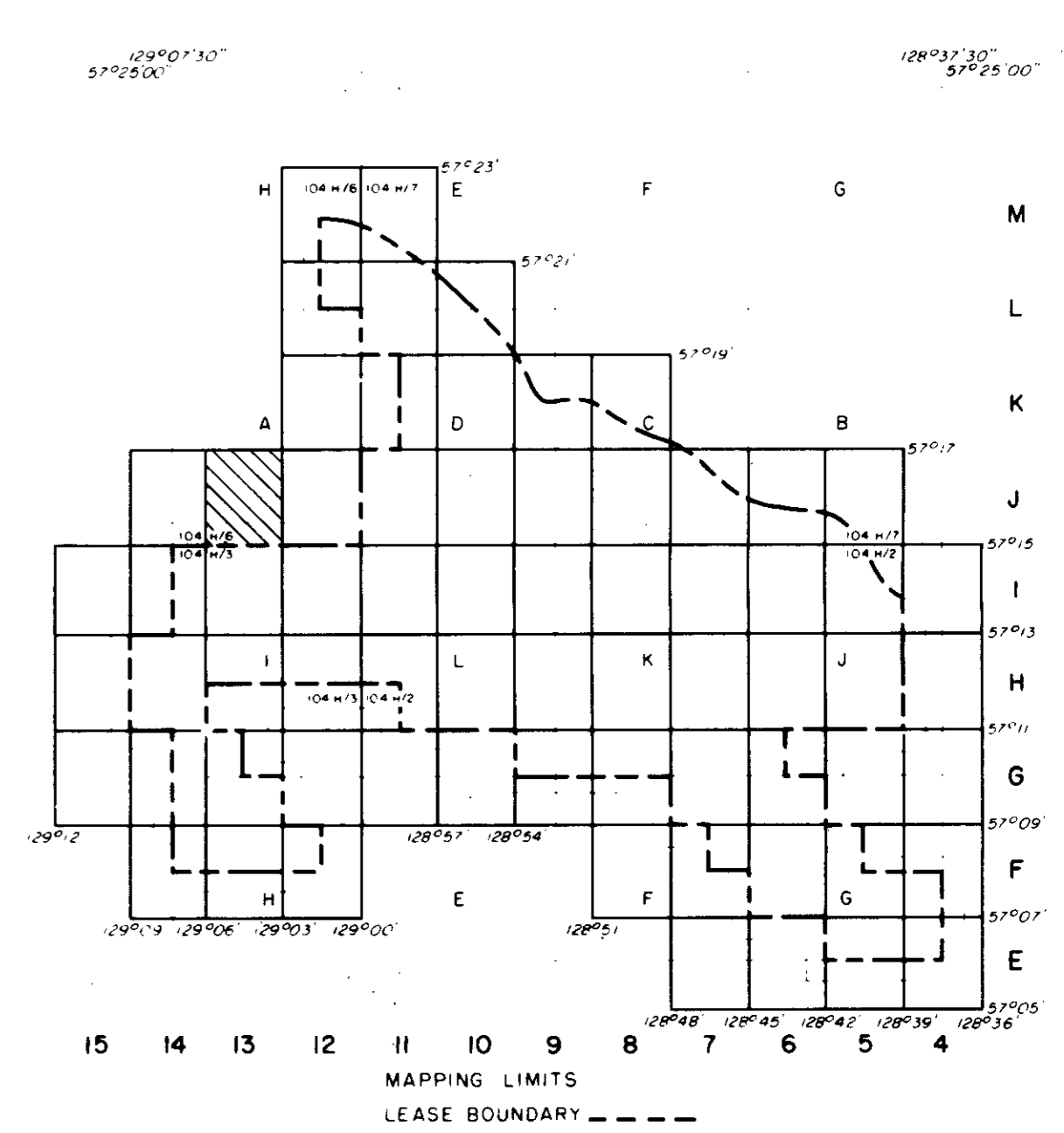
COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD MCELLELLAN LTD.
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5000



MT. KLAPPAN AREA
INDEX MAP



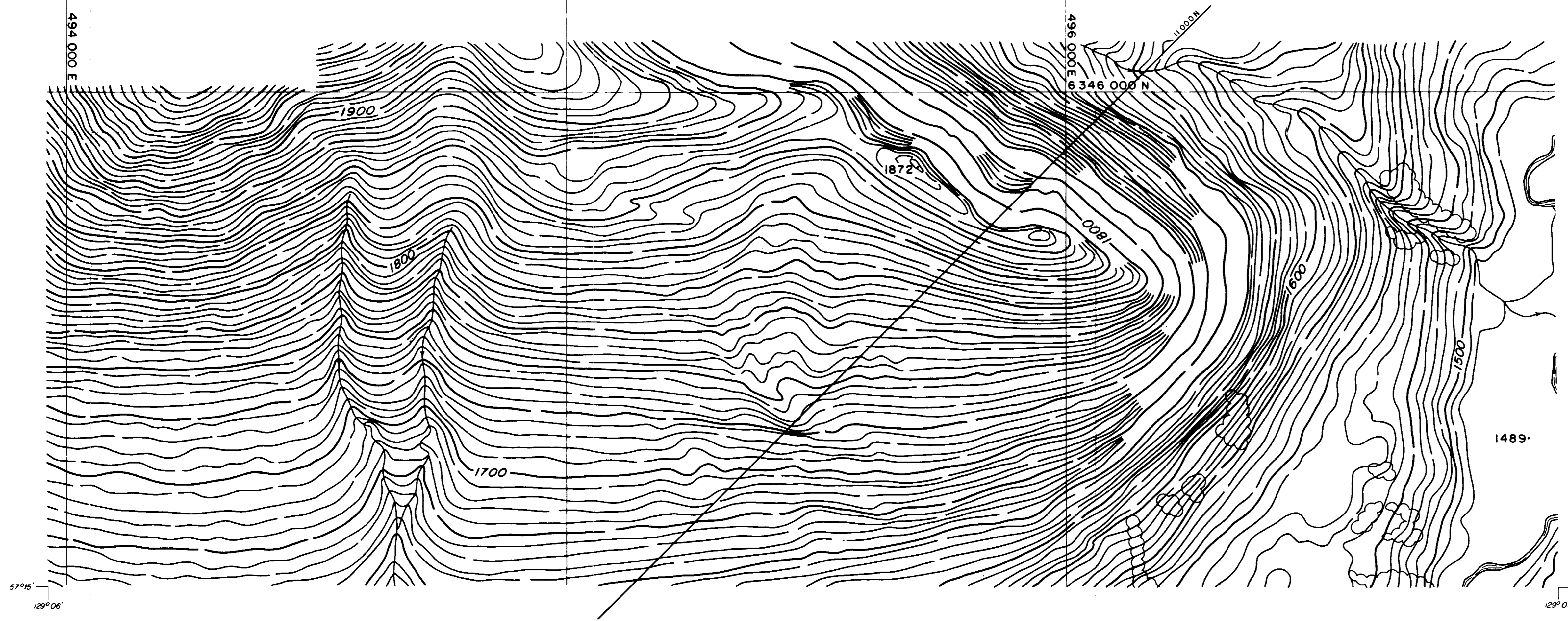
Ge. Mt. Klappan 88(2)A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

**MT. KLAPPAN COAL PROPERTY
MAP SHEET J13
1983 TRENCH AND DRILL HOLE
LOCATION MAP**

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAM DATE: JAN, 1984 DRAWING No. KPN8357



129°06'
57°17'

129°06'
57°17'

LEGEND

BUILDING	---	[Symbol]
ROAD, HARD SURFACE	---	[Symbol]
LOOSE SURFACE	---	[Symbol]
CART TRACK	---	[Symbol]
TRAIL	---	[Symbol]
RAILROAD BED	---	[Symbol]
RIVER	---	[Symbol]
STREAM, DEFINITE	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPLIT	---	[Symbol]
LAKE	---	[Symbol]
WATER LEVEL	---	[Symbol]
SWAMP	---	[Symbol]
BEAVER DAM	---	[Symbol]
TREE LINE	---	[Symbol]
CUT LINE	---	[Symbol]
CONTOURS, INDEX	---	[Symbol]
INTERMEDIATE	---	[Symbol]
DEPRESSION	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPOT ELEVATION	---	[Symbol]
FORM LINES	---	[Symbol]
CUT/FILL	---	[Symbol]
FIELD CONTROL POINT	---	[Symbol]
COAL LICENCE	---	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

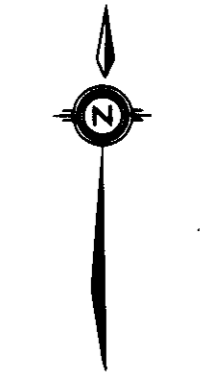
CONTOUR INTERVAL: 10 M., WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5 M. FORM LINES IS EQUAL TO THE ACCURACY OF THE 10 M. CONTOURS - 15.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

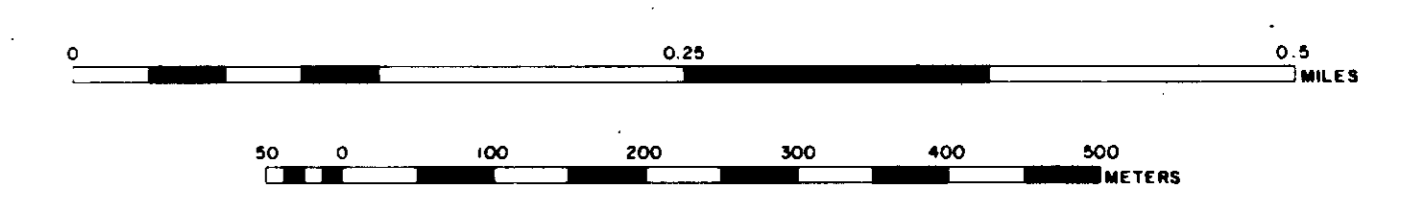
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

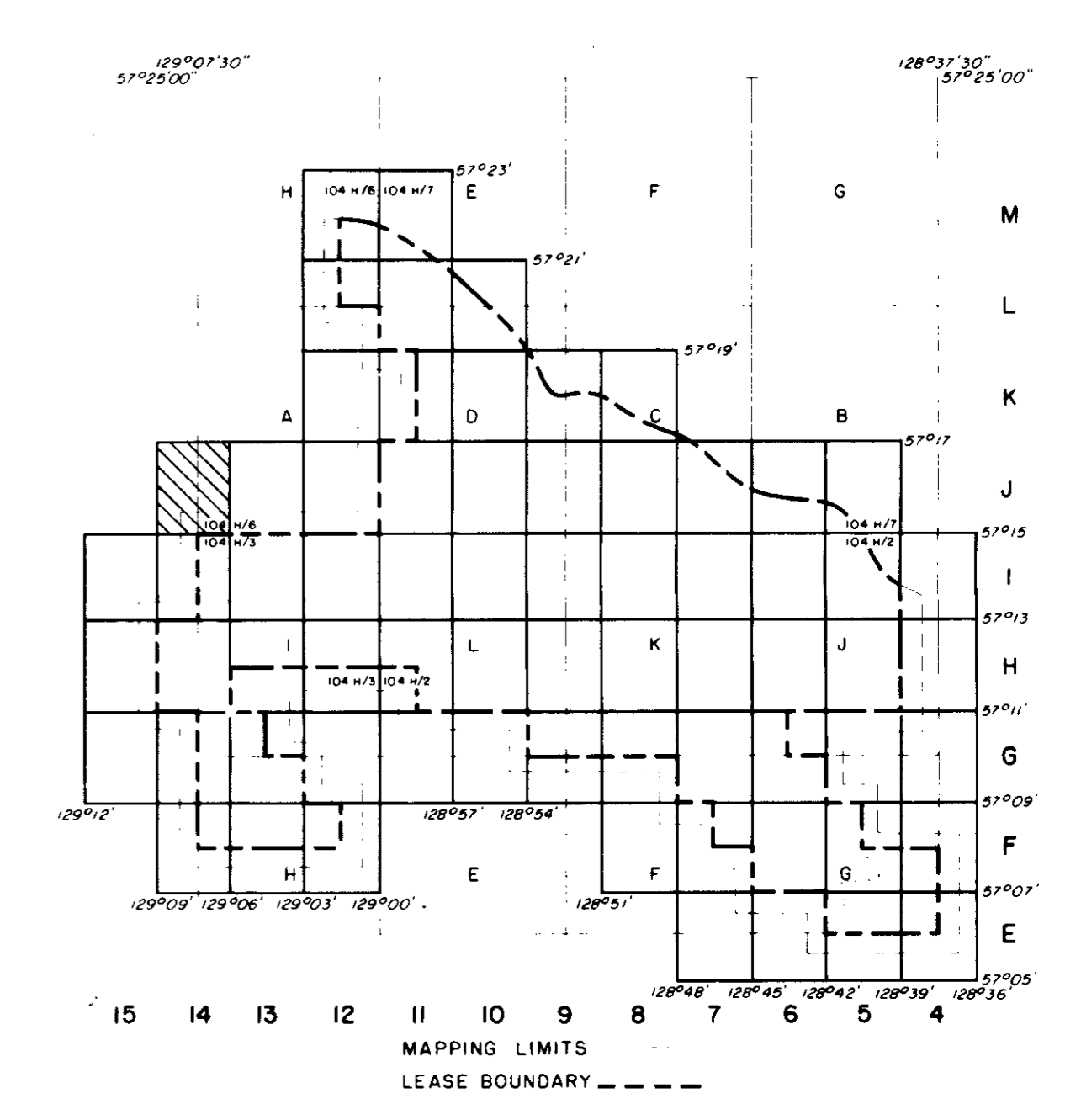
COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD.,
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
AT A SCALE OF 1:50,000 (APPROXIMATE).



SCALE 1:5 000



MT. KLAPPAN AREA INDEX MAP

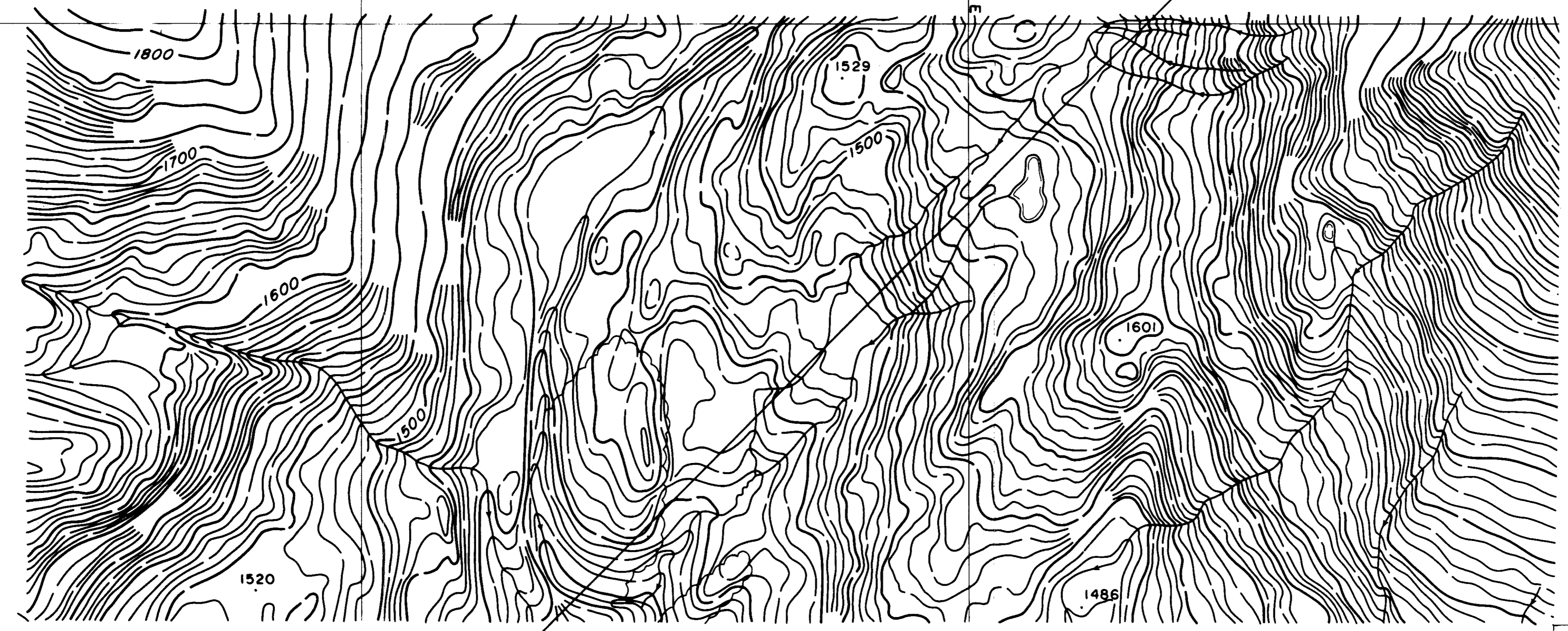


Ge. Mt. Klappan 83 (2) A

GULF CANADA RESOURCES INC.		
CALGARY	Coal Division	
MT. KLAPPAN COAL PROPERTY		
MAP SHEET J 14		
1983 TRENCH AND DRILL HOLE LOCATION MAP		
PREPARED BY: C. LOUPE	SCALE: 1:5000	
APPROVED BY: C. WILLIAMS	DATE: JAN. 1984	DRAWING No. KPN83T58

6 348 000 N

491 000 E
6 346 000 N



57°15'
129°06'

57°15'
129°06'

128° 48' 57" W

128° 45' 57" W

513 000 E

514 000 E

6 352 000 N

LEGEND

BUILDING	---	[Symbol]
ROAD, HARD SURFACE	---	[Symbol]
LOOSE SURFACE	---	[Symbol]
CART TRACK	---	[Symbol]
TRAIL	---	[Symbol]
RAILROAD BED	---	[Symbol]
RIVER	---	[Symbol]
STREAM, DEFINITE	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPLIT	---	[Symbol]
LAKE	---	[Symbol]
WATER LEVEL	---	[Symbol]
SWAMP	---	[Symbol]
BEAVER DAM	---	[Symbol]
TREE LINE	---	[Symbol]
CUT LINE	---	[Symbol]
CONTOURS, INDEX	---	[Symbol]
INTERMEDIATE	---	[Symbol]
DEPRESSION	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPOT ELEVATION	---	[Symbol]
FORM LINES	---	[Symbol]
CUT/FILL	---	[Symbol]
FIELD CONTROL POINT	---	[Symbol]
COAL LICENCE	---	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES

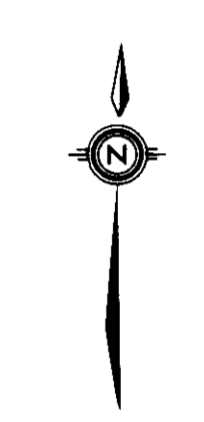
CONTOUR INTERVAL: 10 M, WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - ±5.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.

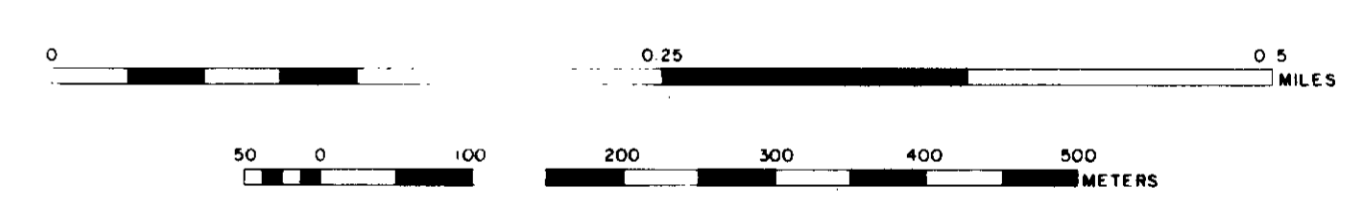
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

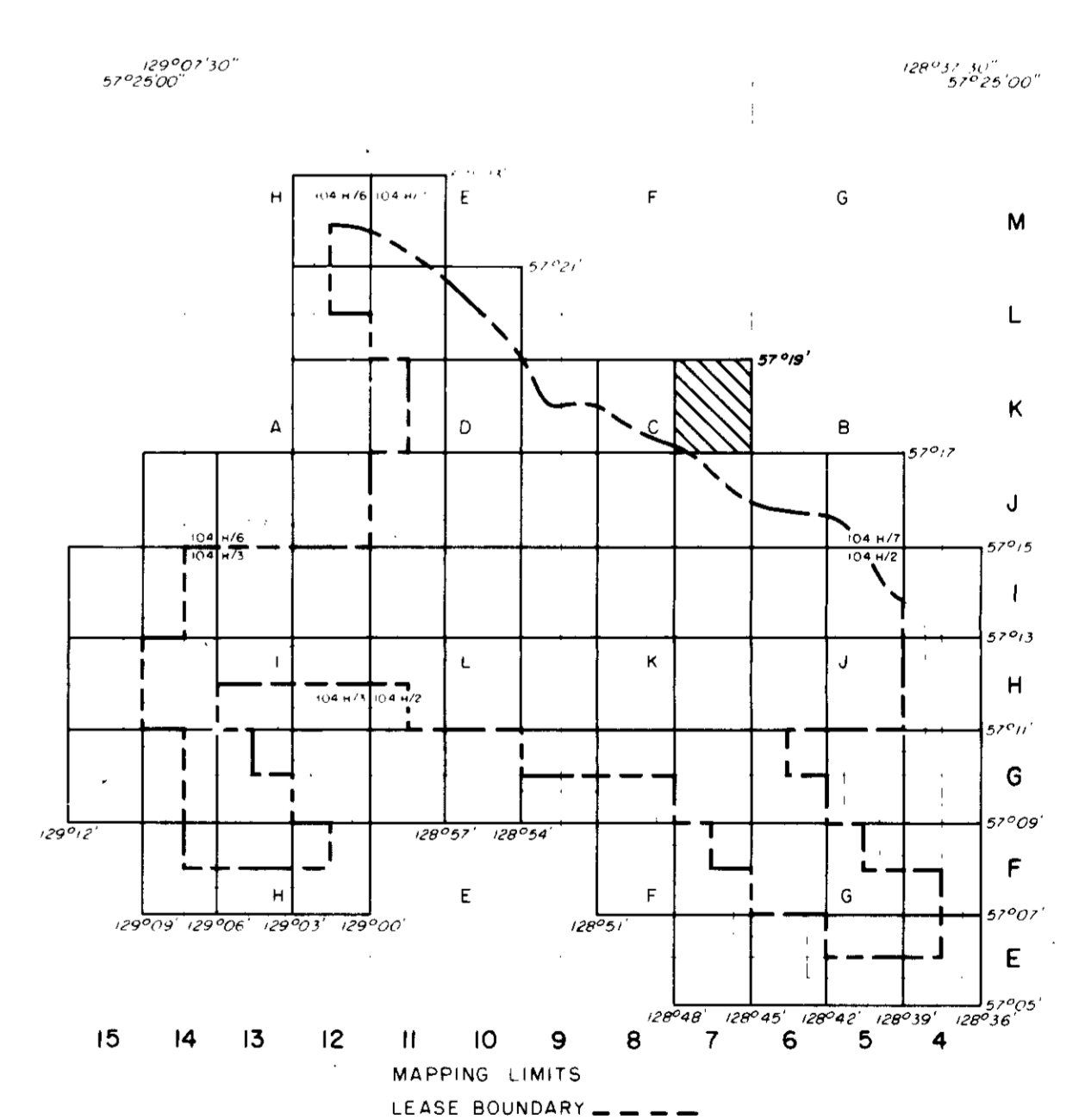
COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD MCELLELLAN LTD.,
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5 000



**MT KLAPPAN AREA
INDEX MAP**



CR - MT. KLAPPAN 83(2)A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

**MT. KLAPPAN COAL PROPERTY
MAP SHEET K 7
1983 TRENCH AND DRILL HOLE
LOCATION MAP**

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN 83T59

128°51'
57°19'

128°48'
57°19'

510 000 E

512 000 E

6 352 000 N

6 349 000 N

LEGEND

BUILDING	---	[Symbol]
ROAD, HARD SURFACE	---	[Symbol]
LOOSE SURFACE	---	[Symbol]
CART TRACK	---	[Symbol]
TRAIL	---	[Symbol]
RAILROAD BED	---	[Symbol]
RIVER	---	[Symbol]
STREAM, DEFINITE	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPLIT	---	[Symbol]
LAKE	---	[Symbol]
WATER LEVEL	---	[Symbol]
SWAMP	---	[Symbol]
BEAVER DAM	---	[Symbol]
TREE LINE	---	[Symbol]
CUT LINE	---	[Symbol]
CONTOURS, INDEX	---	[Symbol]
INTERMEDIATE	---	[Symbol]
DEPRESSION	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPOT ELEVATION	---	[Symbol]
FORM LINES	---	[Symbol]
CUT/FILL	---	[Symbol]
FIELD CONTROL POINT	---	[Symbol]
COAL LICENCE	---	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL = 10 M., WITH FORM LINES INTERVAL = 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS +5.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

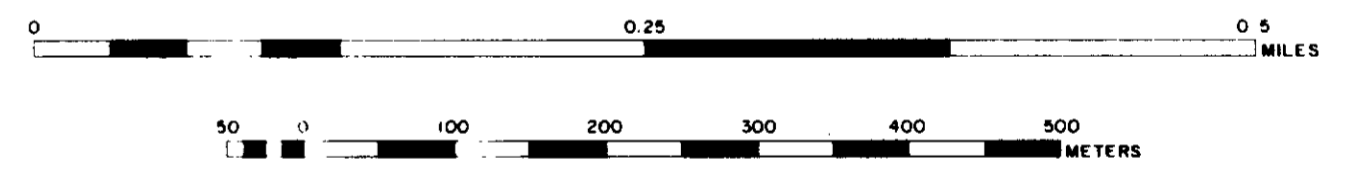
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

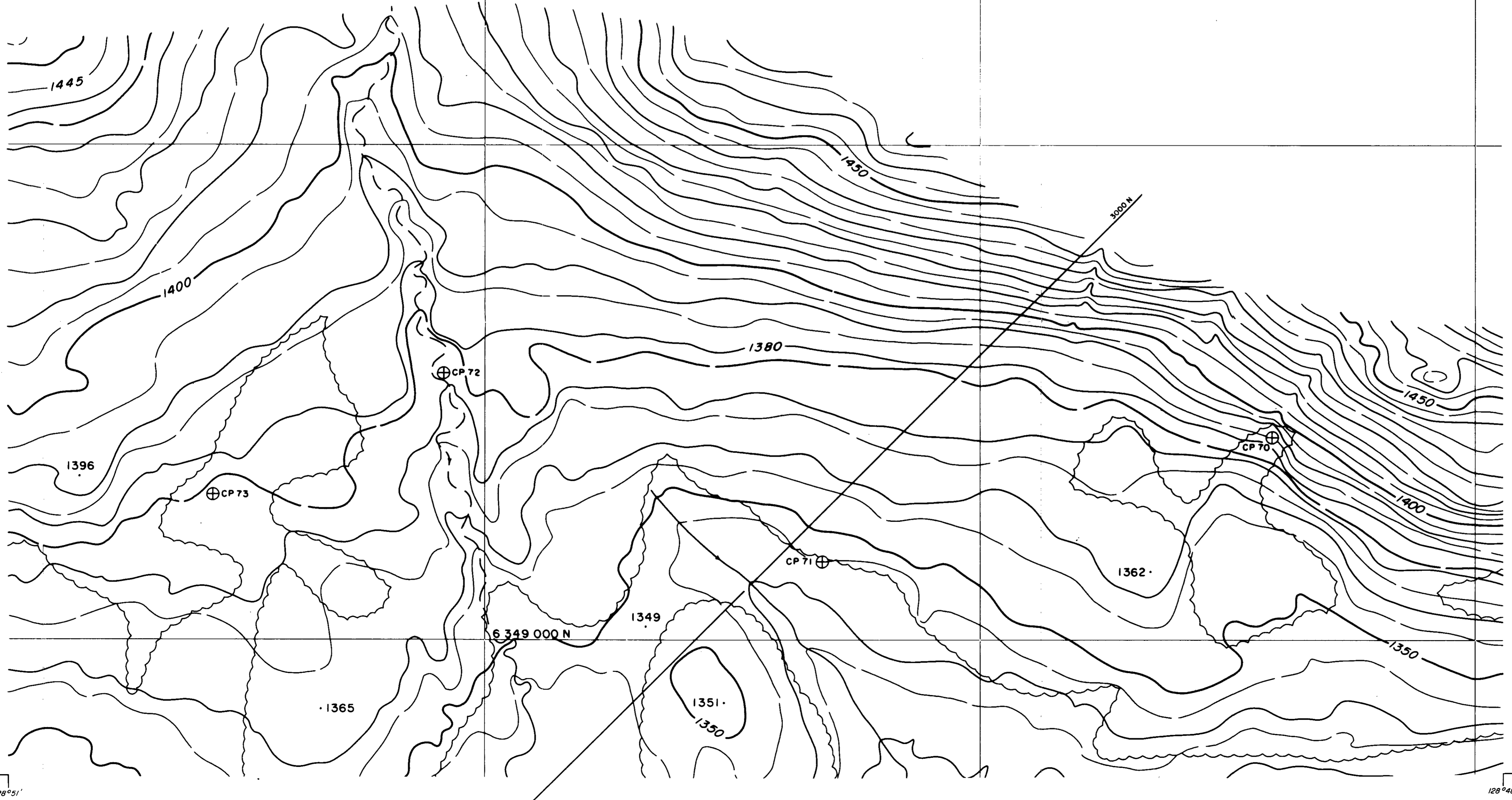
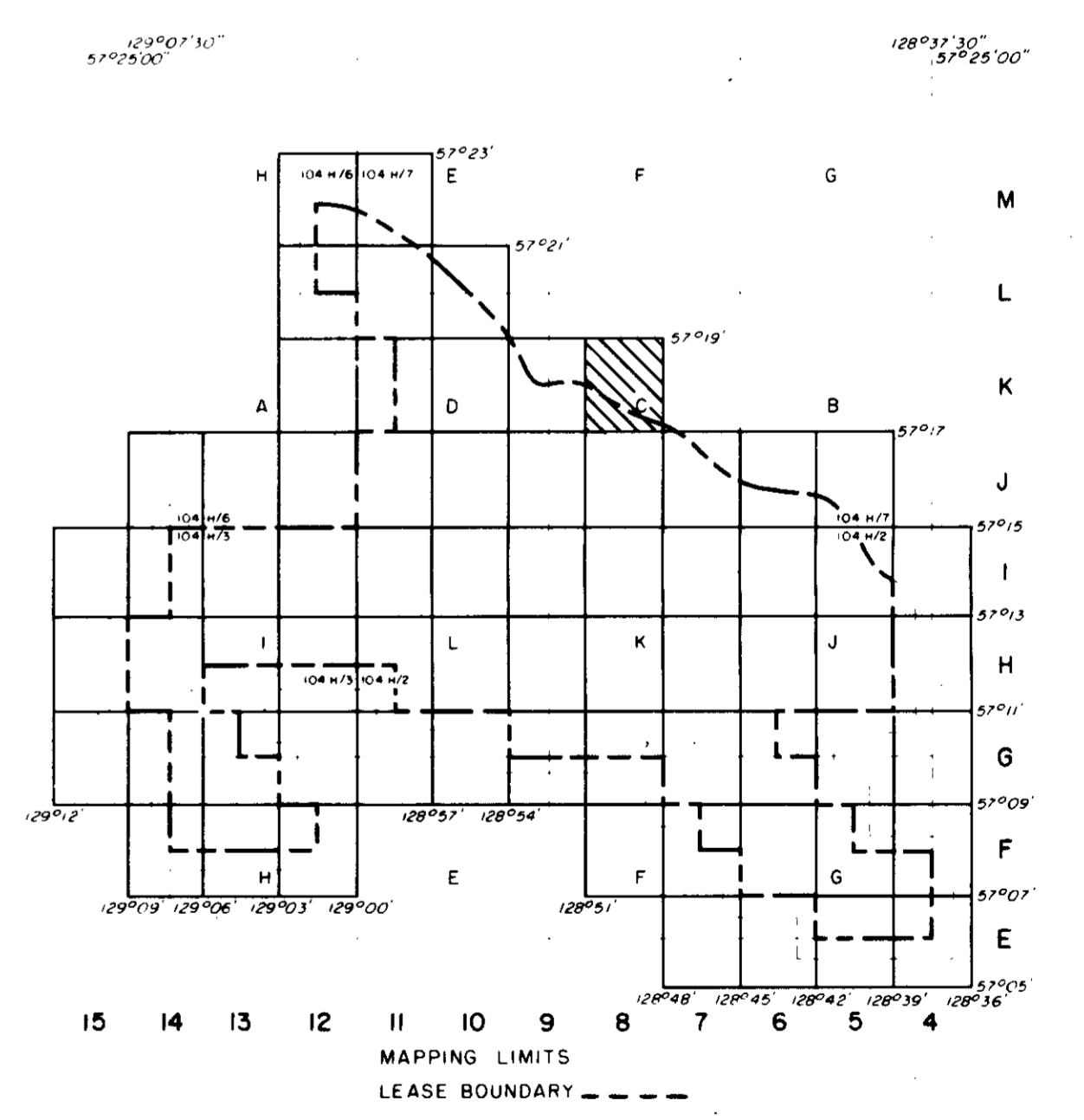
COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD.,
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5000



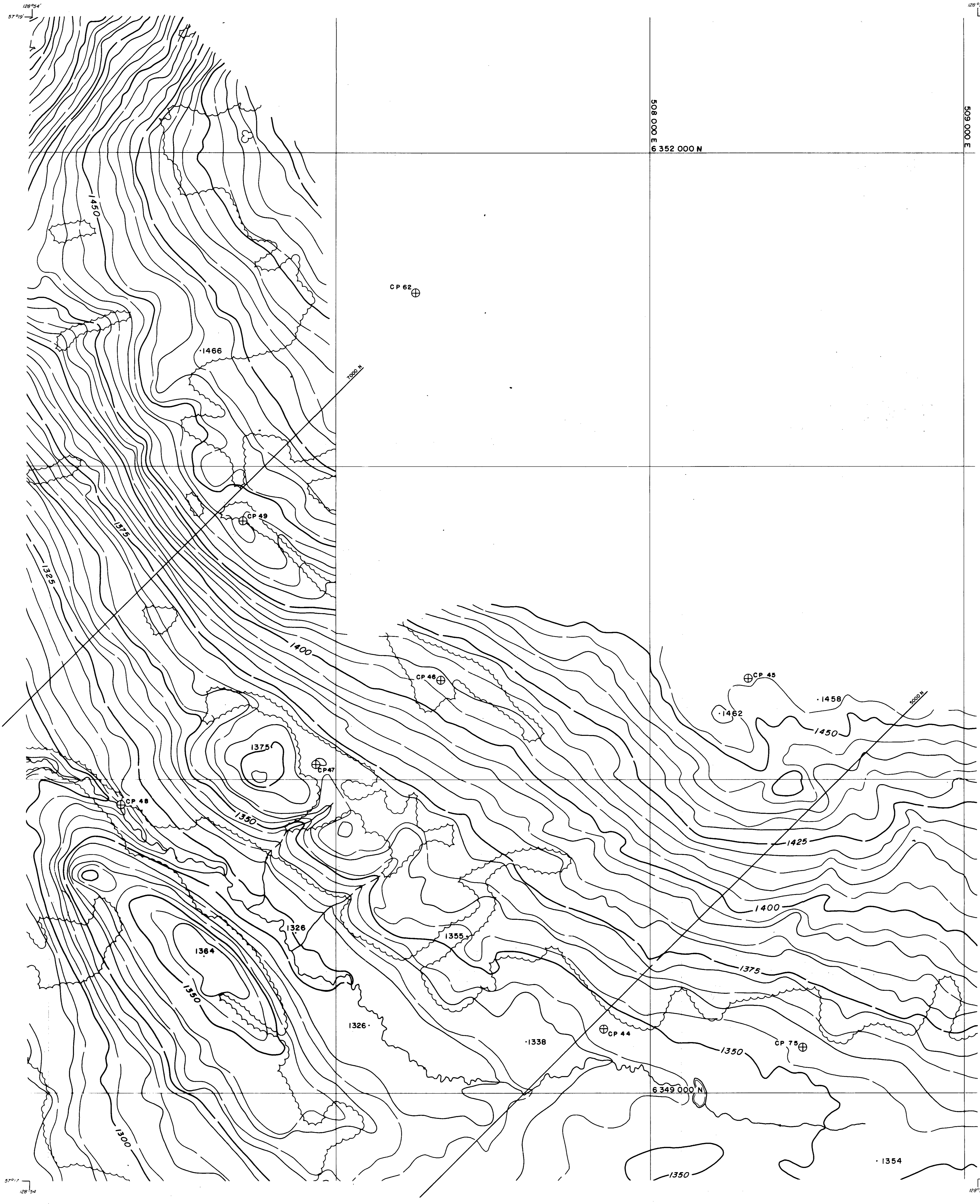
MT. KLAPPAN AREA
INDEX MAP



Ge. Mt. Klappan 83(2)A
GULF CANADA RESOURCES INC.
 Coal Division
 CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET K 8
1983 TRENCH AND DRILL HOLE
LOCATION MAP

PREPARED BY: C. LOUIE
 APPROVED BY: C. WILLIAMS
 SCALE 1:5000
 DATE: JAN, 1984
 DRAWING No. KP83T60



LEGEND

BUILDING	[Symbol]
ROAD, HARD SURFACE	[Symbol]
LOOSE SURFACE	[Symbol]
CART TRACK	[Symbol]
TRAIL	[Symbol]
RAILROAD BED	[Symbol]
RIVER	[Symbol]
STREAM, DEFINITE	[Symbol]
APPROXIMATE	[Symbol]
SPLIT	[Symbol]
LAKE	[Symbol]
WATER LEVEL	[Symbol]
SWAMP	[Symbol]
BEAVER DAM	[Symbol]
TREE LINE	[Symbol]
CUT LINE	[Symbol]
CONTOURS, INDEX	[Symbol]
INTERMEDIATE	[Symbol]
DEPRESSION	[Symbol]
APPROXIMATE	[Symbol]
SPOT ELEVATION	[Symbol]
FORM LINES	[Symbol]
CUT/FILL	[Symbol]
FIELD CONTROL POINT	[Symbol]
COAL LICENCE	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL: 10 M., WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - ±5.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

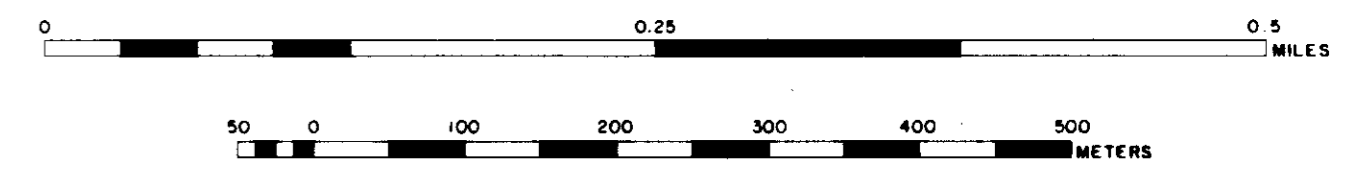
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

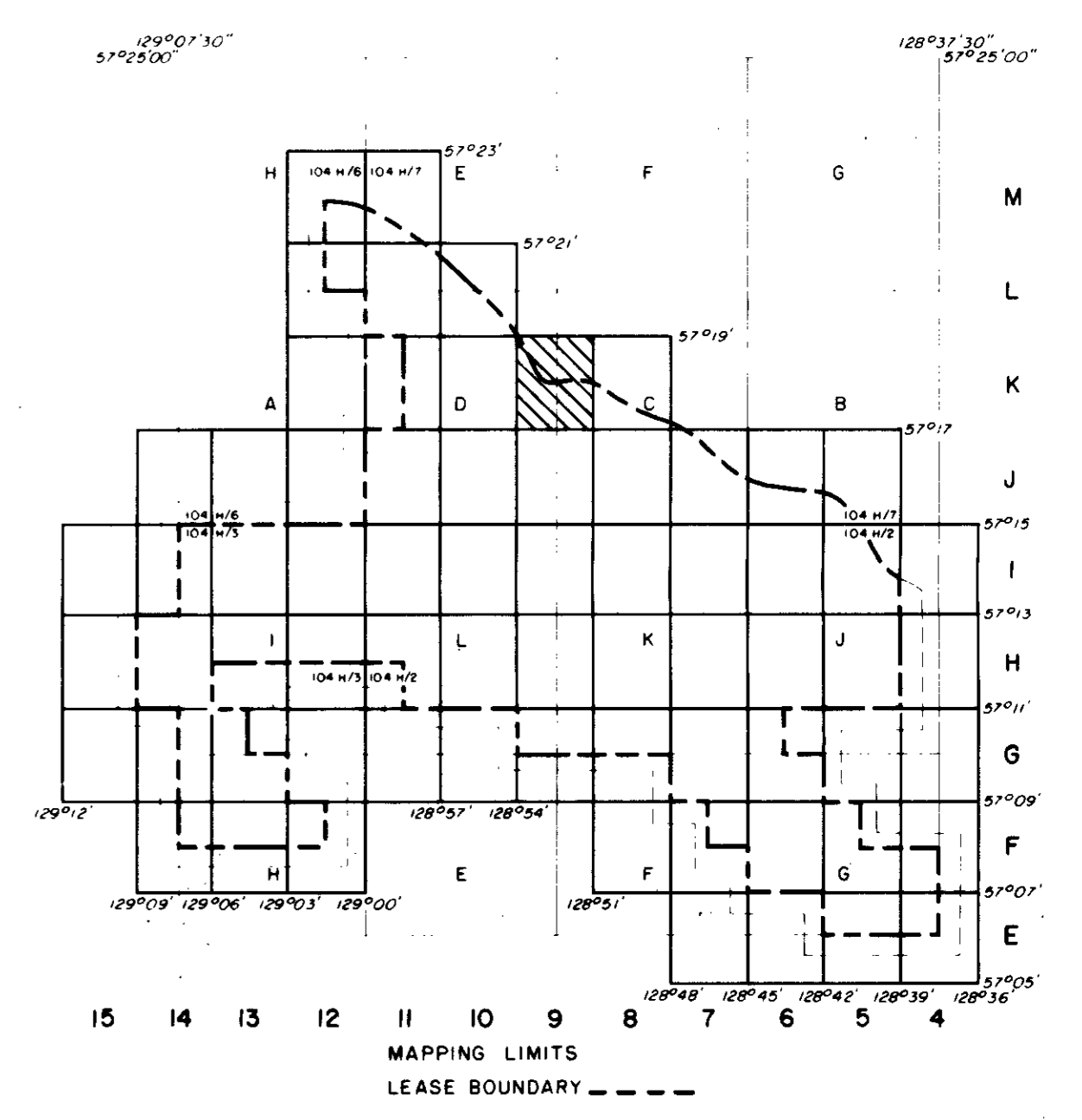
COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD.,
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
AT A SCALE OF 1:60,000 (APPROXIMATE).



SCALE 1:5,000



MT. KLAPPAN AREA
INDEX MAP



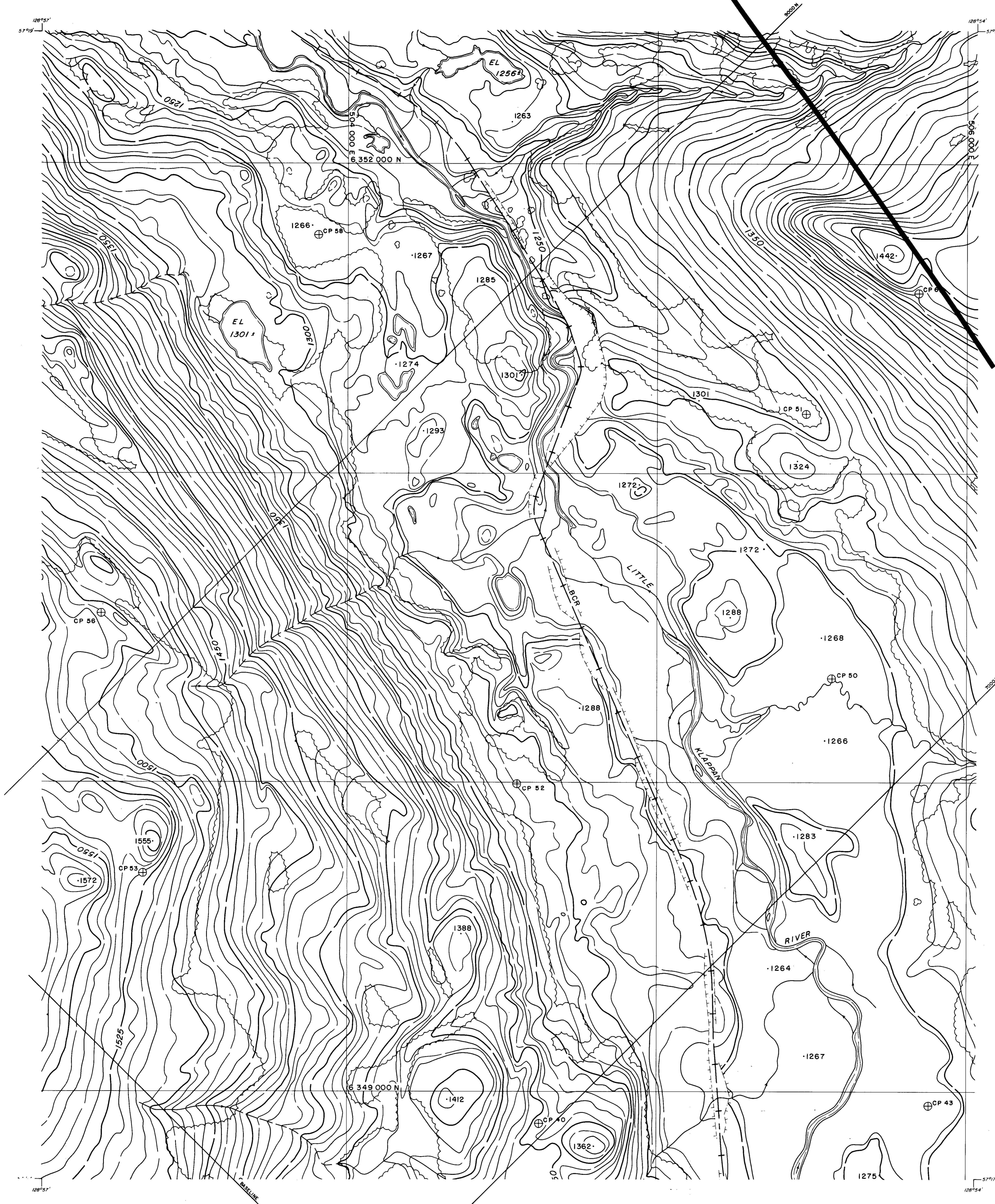
Gr. Mt. Klappan 83(2)A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

**MT. KLAPPAN COAL PROPERTY
MAP SHEET K 9
1983 TRENCH AND DRILL HOLE
LOCATION MAP**

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN., 1984 DRAWING NO. KPM83761



LEGEND

BUILDING	---
ROAD, HARD SURFACE	---
LOOSE SURFACE	---
CART TRACK	---
TRAIL	---
RAILROAD BED	---
RIVER	---
STREAM, DEFINITE	---
APPROXIMATE	---
SPLIT	---
LAKE	---
WATER LEVEL	EL 500'
SWAMP	---
BEAVER DAM	---
TREE LINE	---
CUT LINE	---
CONTOUR, INDEX	---
INTERMEDIATE	---
DEPRESSION	---
APPROXIMATE	---
SPOT ELEVATION	7654
FORM LINES	---
CUT/FILL	---
FIELD CONTROL POINT	CP 42
COAL LICENCE	---

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES

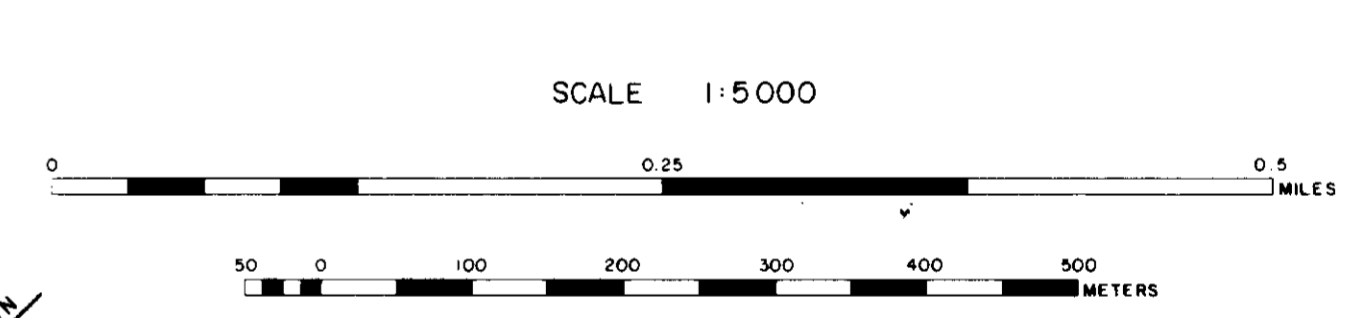
CONTOUR INTERVAL: 10 M, WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.

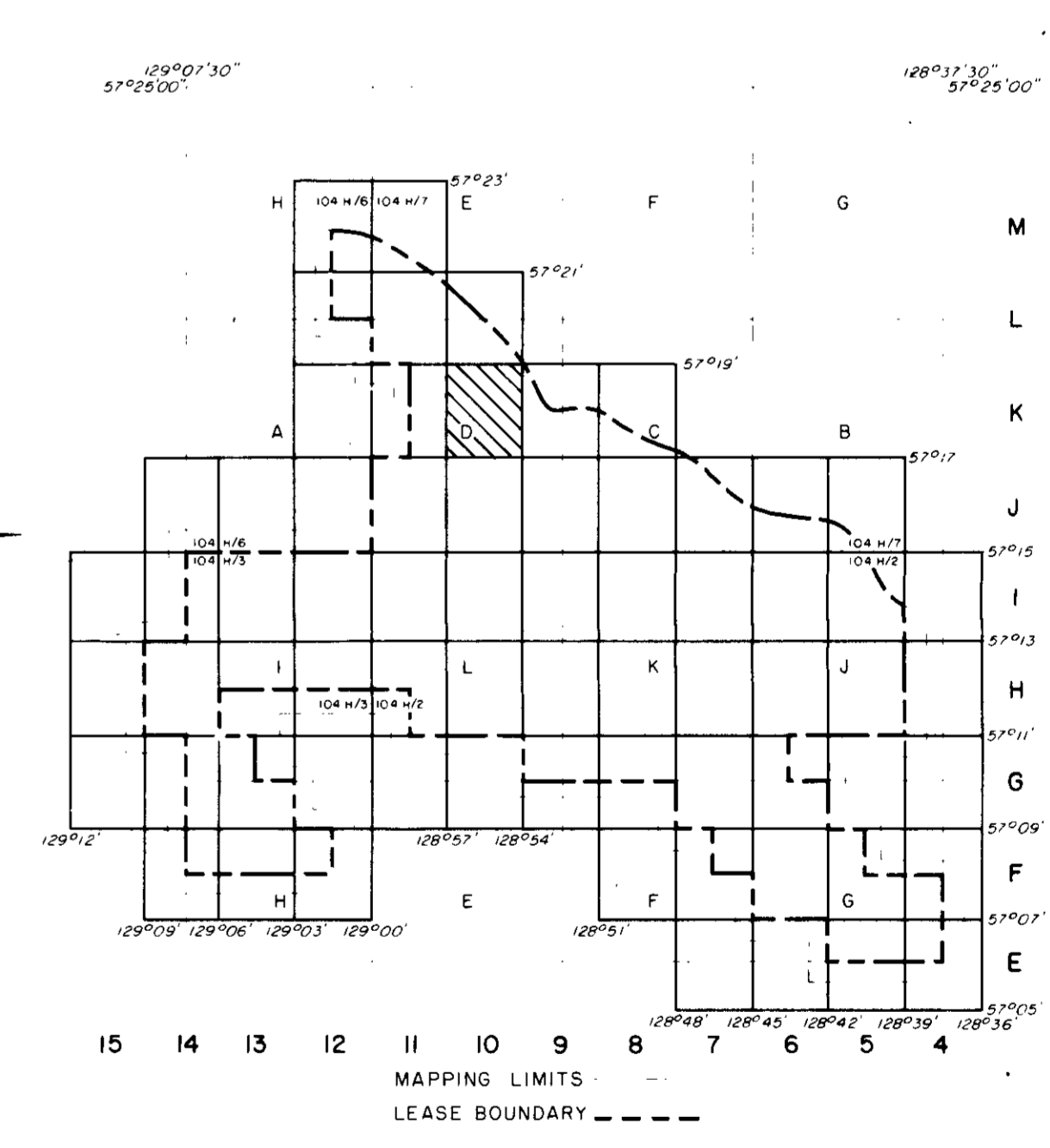
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION: BASED ON SEPT./82 AERIAL PHOTOGRAPHY

COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD MCELLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE)



MT. KLAPPAN AREA INDEX MAP



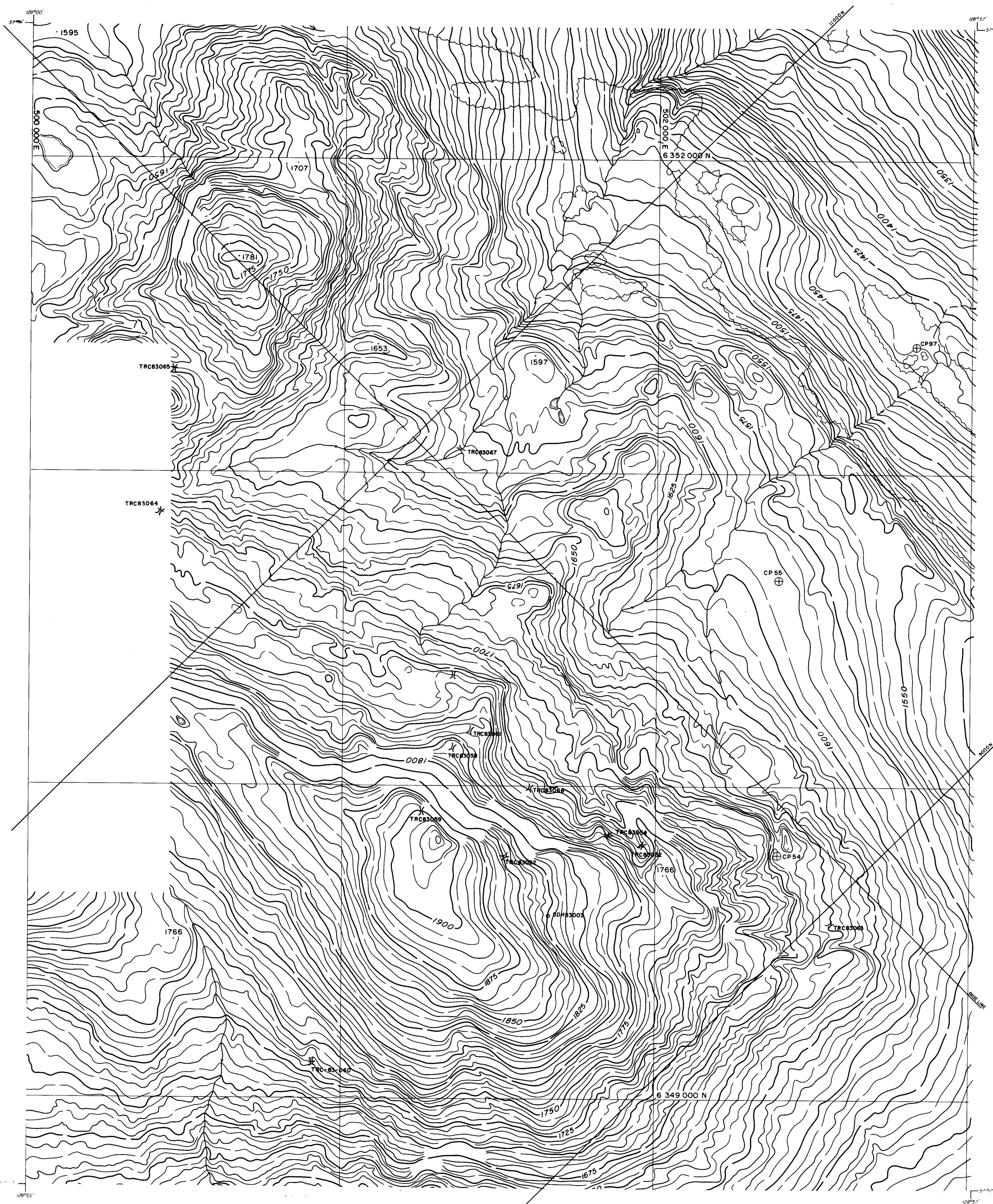
GR-MT KLAPPAN 8361A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

**MT. KLAPPAN COAL PROPERTY
MAP SHEET K 10
1983 TRENCH AND DRILL HOLE
LOCATION MAP**

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KP8361G



LEGEND

BUILDING	[Symbol]
ROAD, HARD SURFACE	[Symbol]
LOOSE SURFACE	[Symbol]
CART TRACK	[Symbol]
TRAIL	[Symbol]
RAILROAD BED	[Symbol]
RIVER	[Symbol]
STREAM, DEFINITE	[Symbol]
APPROXIMATE	[Symbol]
SPLIT	[Symbol]
LAKE	[Symbol]
WATER LEVEL	[Symbol]
SWAMP	[Symbol]
BEAVER DAM	[Symbol]
TREE LINE	[Symbol]
CUT LINE	[Symbol]
CONTOURS, INDEX	[Symbol]
INTERMEDIATE	[Symbol]
DEPRESSION	[Symbol]
APPROXIMATE	[Symbol]
SPOT ELEVATION	[Symbol]
FORM LINES	[Symbol]
CUT/FILL	[Symbol]
FIELD CONTROL POINT	[Symbol]
COAL LICENCE	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES

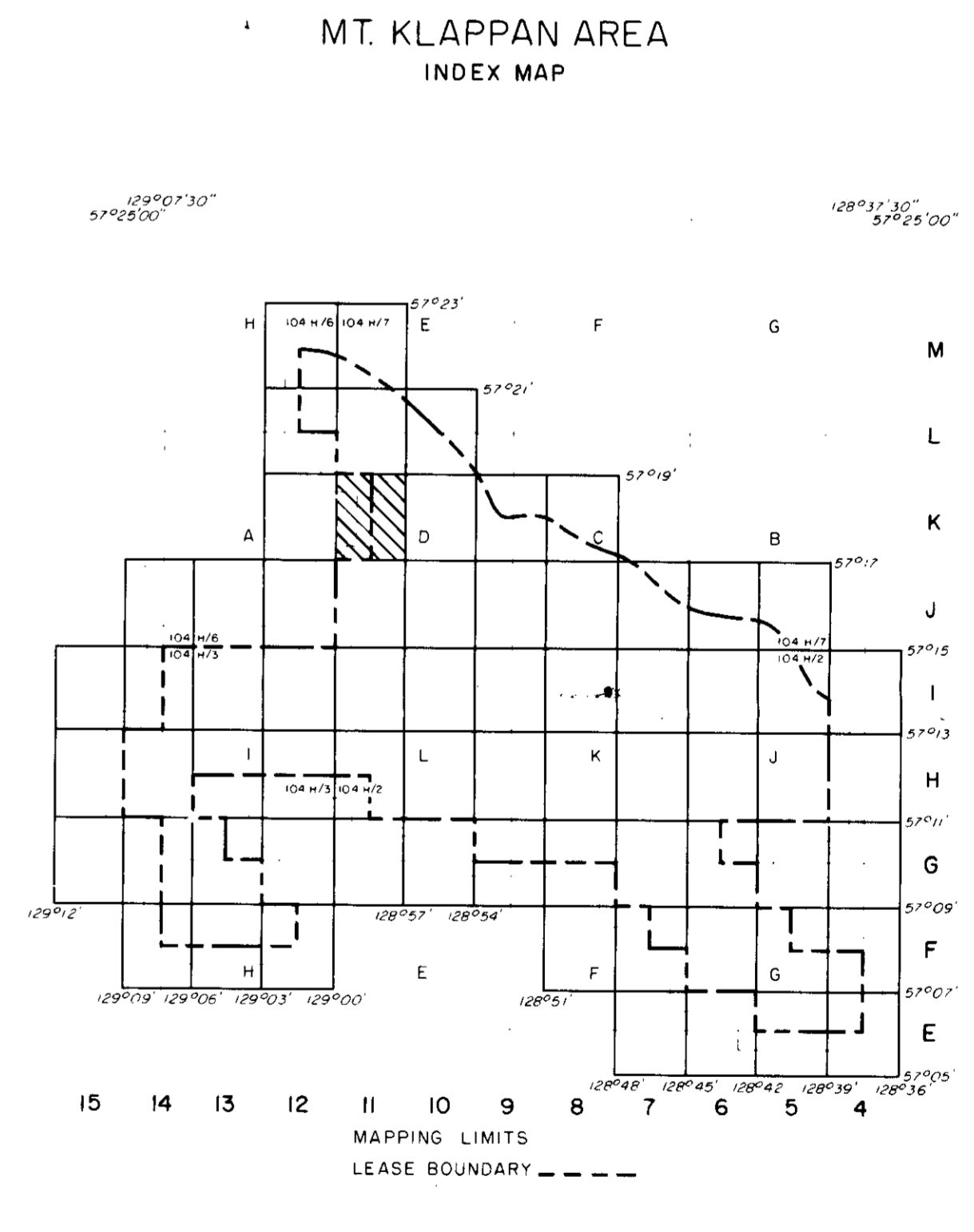
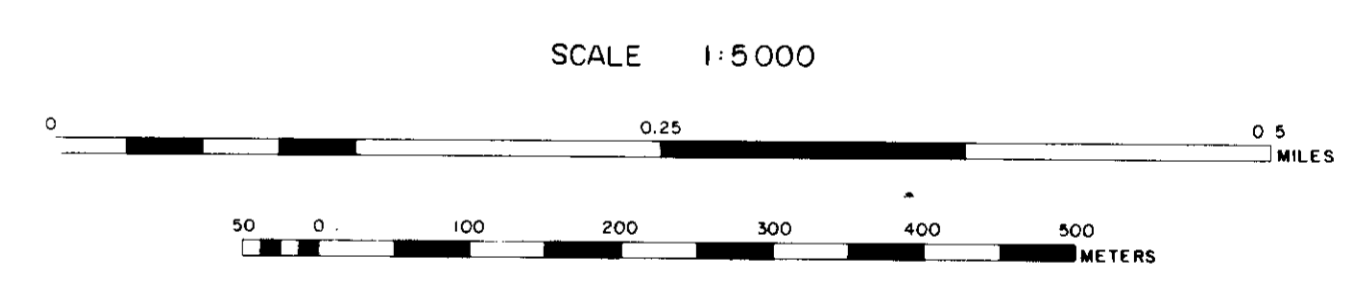
CONTOUR INTERVAL: 10 M., WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - +5.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION

SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE)



Gr - Mt. Klappan 8302A

GULF CANADA RESOURCES INC.

Coal Division

CALGARY ALBERTA

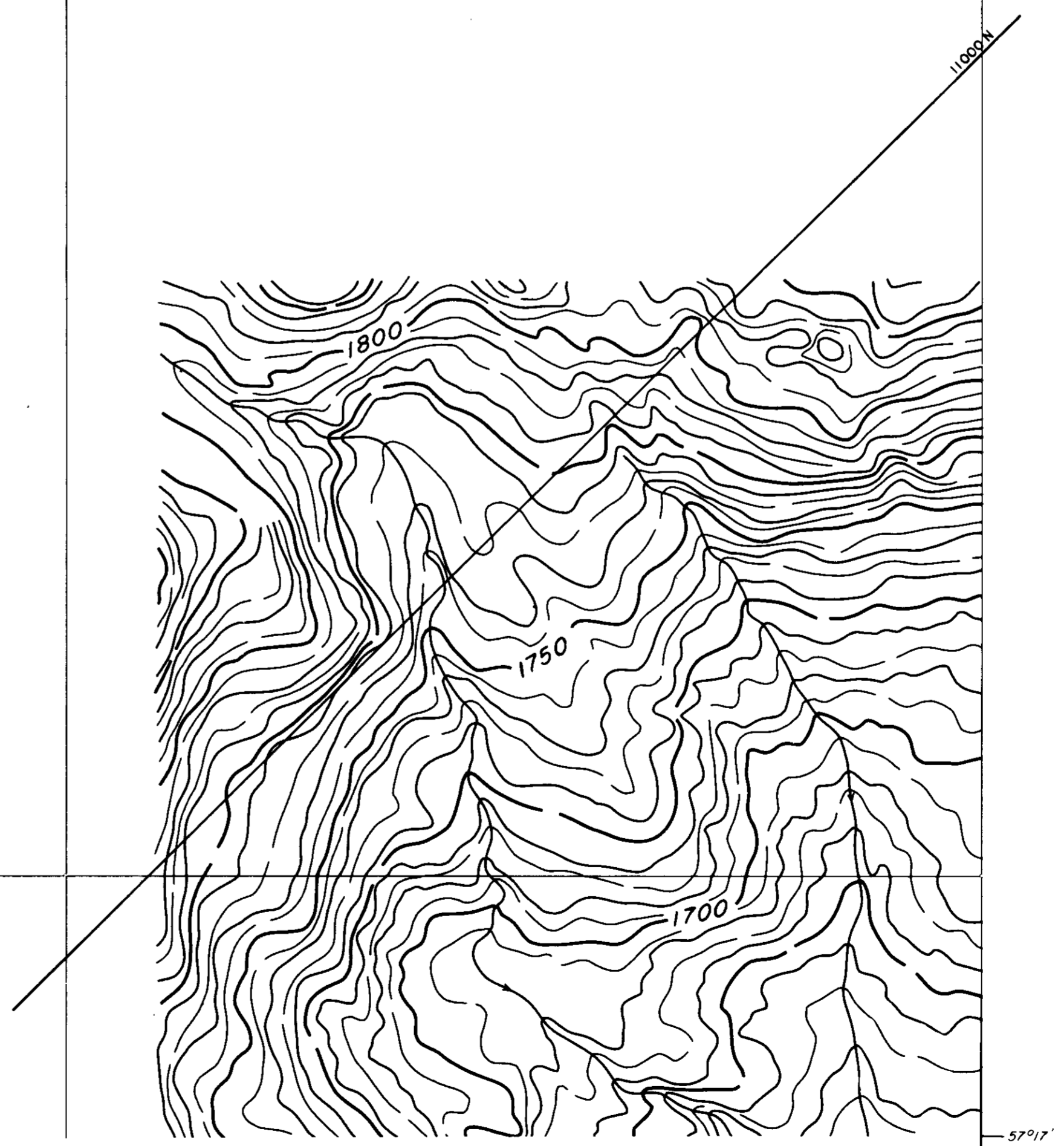
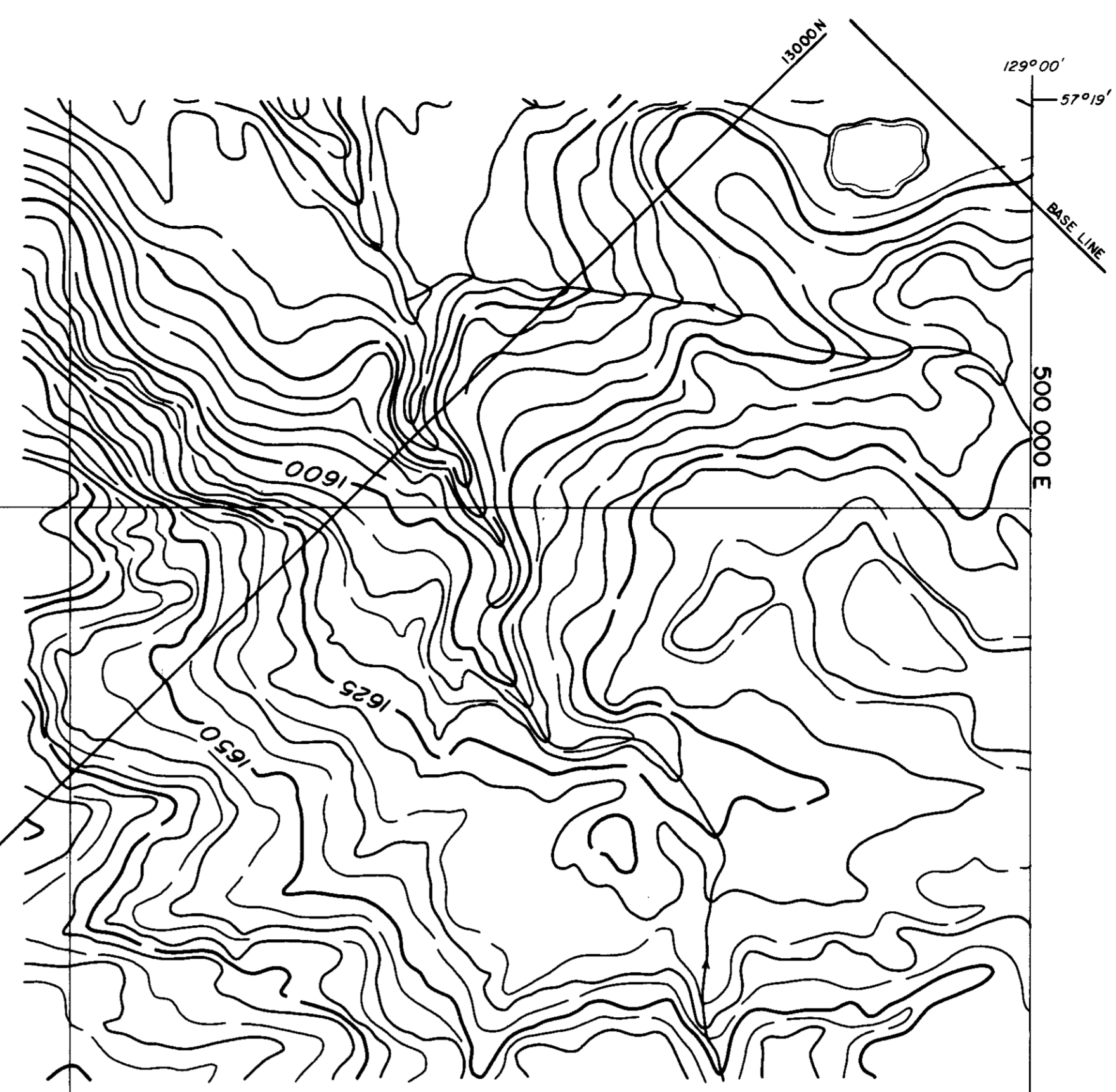
MT. KLAPPAN COAL PROPERTY

MAP SHEET K II

1983 TRENCH AND DRILL HOLE LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000

APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN83763



LEGEND

BUILDING	---	[Symbol]
ROAD, HARD SURFACE	---	[Symbol]
LOOSE SURFACE	---	[Symbol]
CART TRACK	---	[Symbol]
TRAIL	---	[Symbol]
RAILROAD BED	---	[Symbol]
RIVER	---	[Symbol]
STREAM, DEFINITE	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPLIT	---	[Symbol]
LAKE	---	[Symbol]
WATER LEVEL	---	[Symbol]
SWAMP	---	[Symbol]
BEAVER DAM	---	[Symbol]
TREE LINE	---	[Symbol]
CUT LINE	---	[Symbol]
CONTOURS, INDEX	---	[Symbol]
INTERMEDIATE	---	[Symbol]
DEPRESSION	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPOT ELEVATION	---	[Symbol]
FORM LINES	---	[Symbol]
CUT/FILL	---	[Symbol]
FIELD CONTROL POINT	---	[Symbol]
COAL LICENCE	---	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES

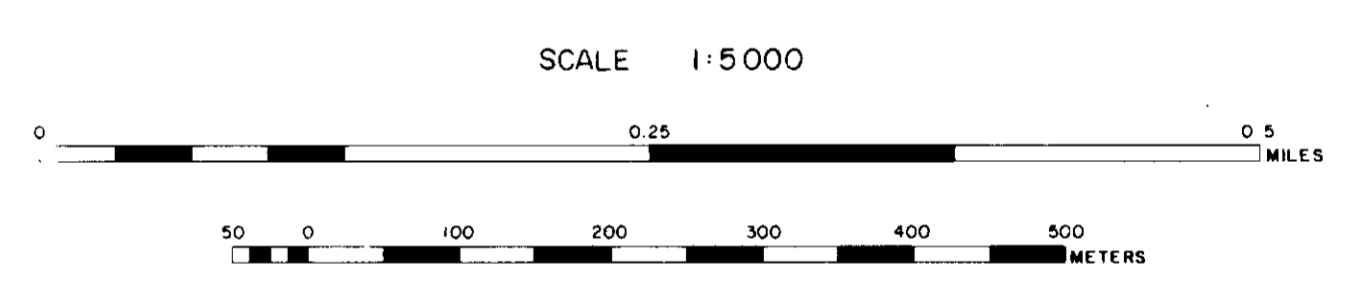
CONTOUR INTERVAL: 10 M., WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

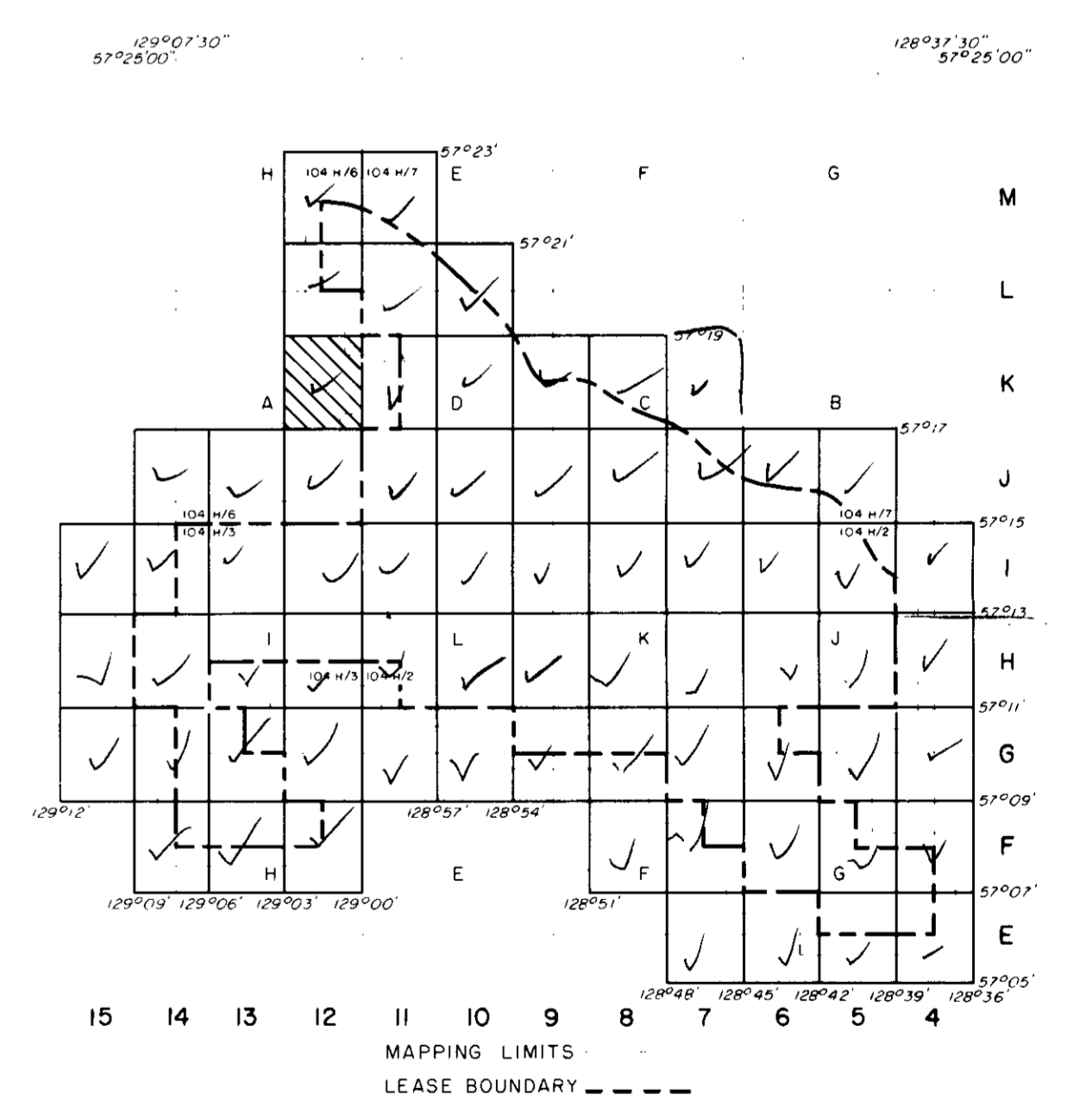
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD.,
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
AT A SCALE OF 1:60,000 (APPROXIMATE).



MT. KLAPPAN AREA
INDEX MAP



Ge. Mt. Klappan 83(2)A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET K 12
1983 TRENCH AND DRILL HOLE
LOCATION MAP

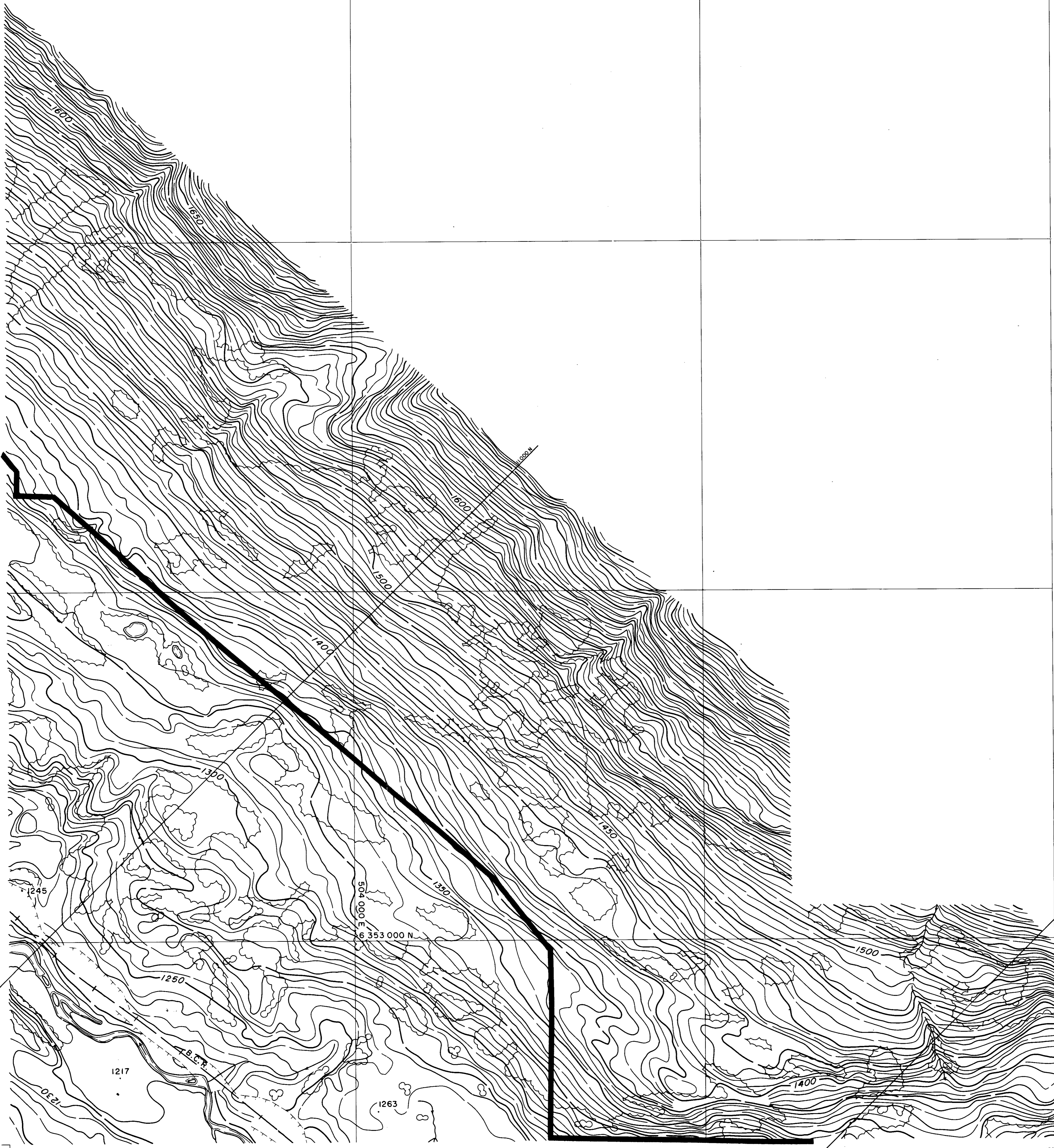
PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KP83T64

120° 57' 57" W
57° 20' 17" N

120° 54' 12" W
57° 20' 17" N

6 356 000 N

6 353 000 N



LEGEND

BUILDING	---	[Symbol]
ROAD, HARD SURFACE	---	[Symbol]
LOOSE SURFACE	---	[Symbol]
CART TRACK	---	[Symbol]
TRAIL	---	[Symbol]
RAILROAD BED	---	[Symbol]
RIVER	---	[Symbol]
STREAM, DEFINITE	---	[Symbol]
STREAM, APPROXIMATE	---	[Symbol]
LAKE	---	[Symbol]
WATER LEVEL	---	[Symbol]
SWAMP	---	[Symbol]
BEAVER DAM	---	[Symbol]
TREE LINE	---	[Symbol]
CUT LINE	---	[Symbol]
CONTOURS, INDEX	---	[Symbol]
CONTOURS, INTERMEDIATE	---	[Symbol]
CONTOURS, DEPRESSION	---	[Symbol]
CONTOURS, APPROXIMATE	---	[Symbol]
SPOT ELEVATION	---	[Symbol]
FORM LINES	---	[Symbol]
CUT/FILL	---	[Symbol]
FIELD CONTROL POINT	---	[Symbol]
COAL LICENCE	---	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES

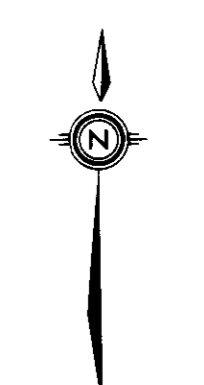
CONTOUR INTERVAL: 10 M, WITH FORM LINES INTERVAL: 5 M

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - 15.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.

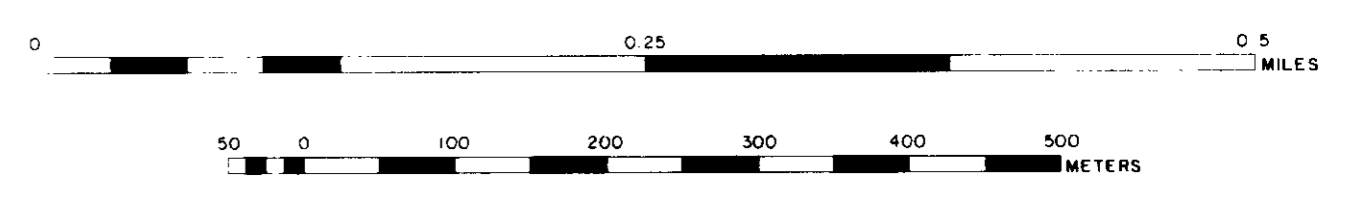
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

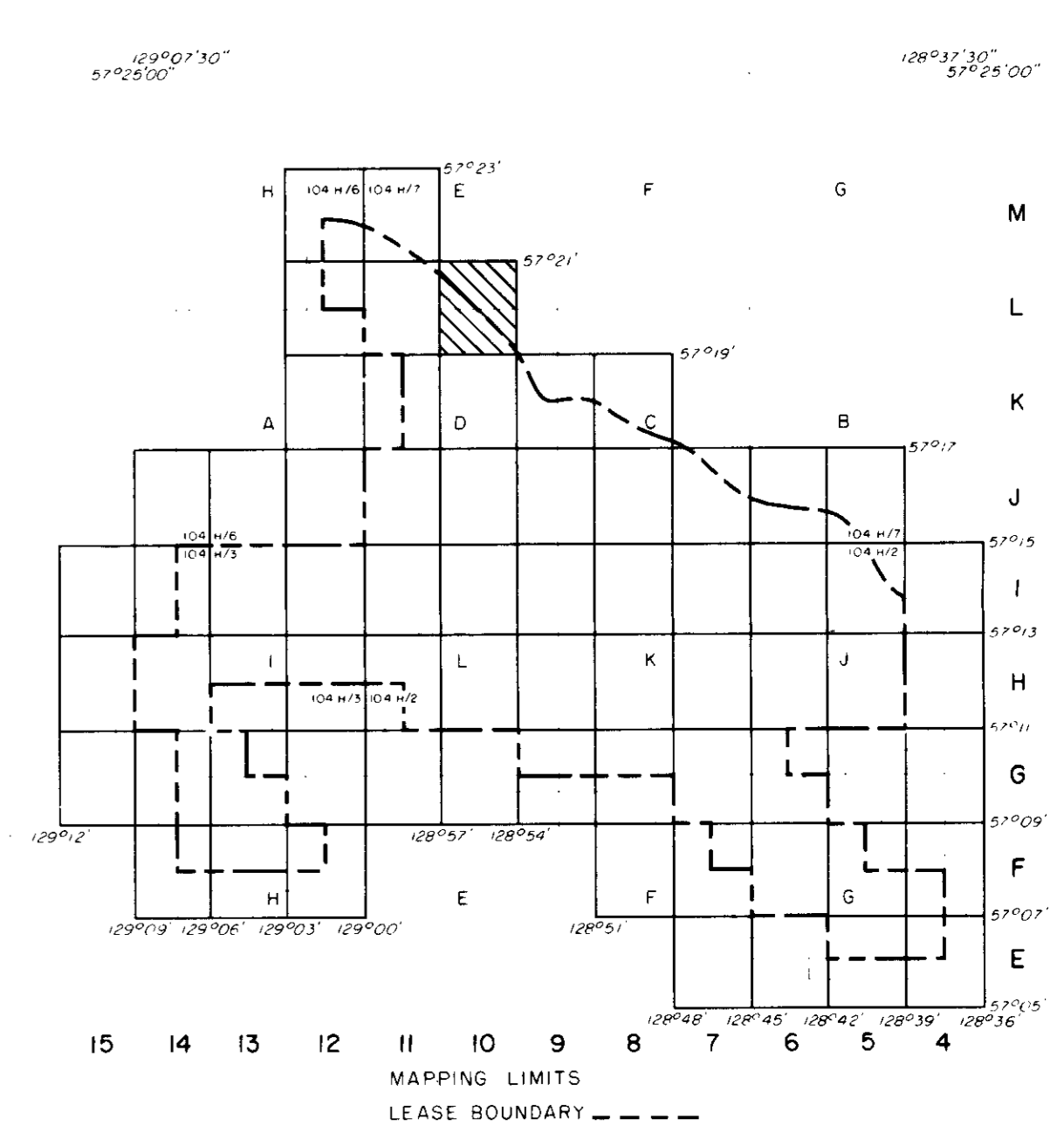
COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD MCELLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE)



SCALE 1:5 000



MT. KLAPPAN AREA INDEX MAP



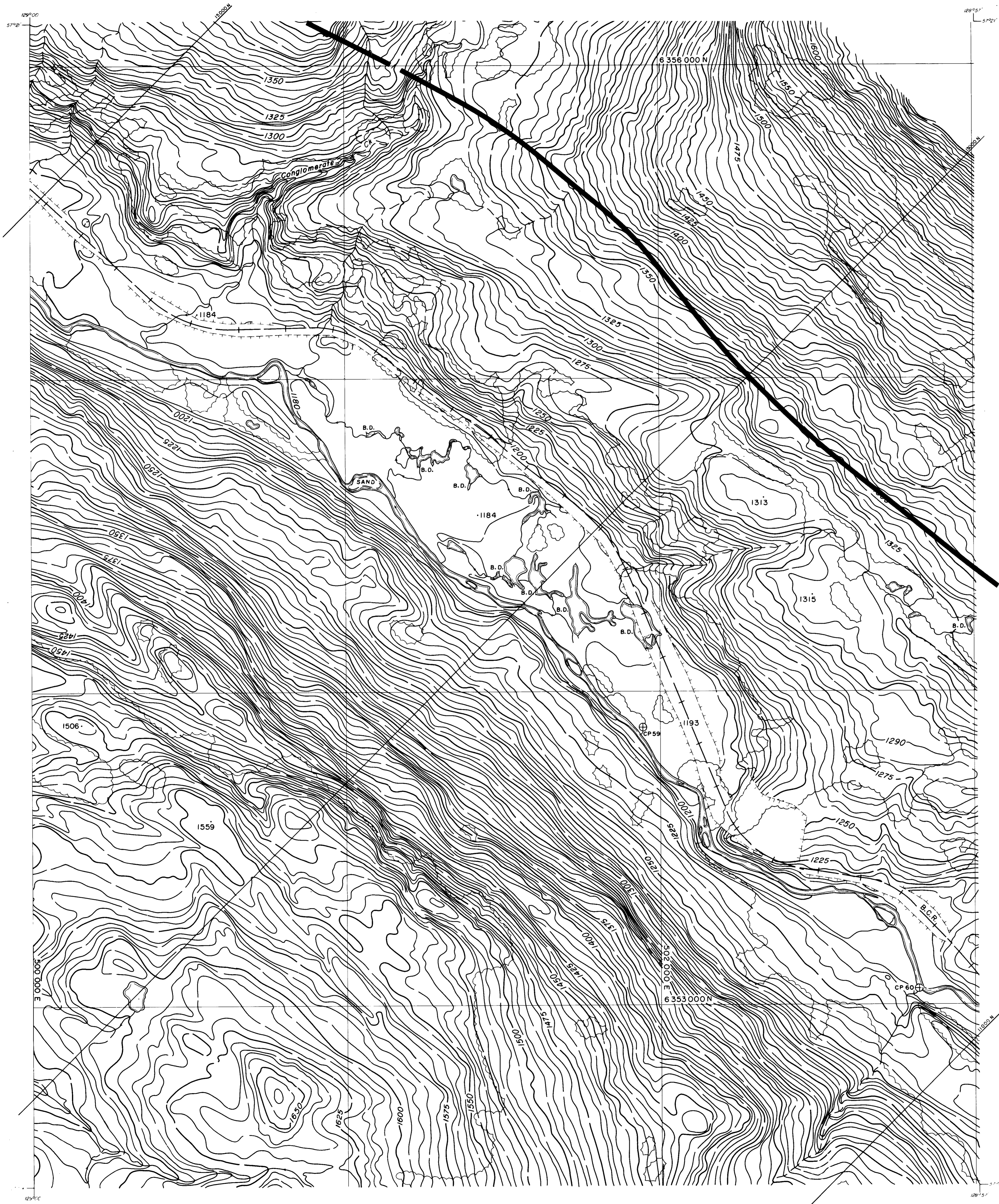
Ge.-Mt. Klappan 83(2)A
GULF CANADA RESOURCES INC.
 Coal Division



CALGARY ALBERTA

MT. KLAPPAN COAL PROPERTY
MAP SHEET L 10
1983 TRENCH AND DRILL HOLE
LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
 APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN83765



LEGEND

BUILDING	---	---
ROAD, HARD SURFACE	---	---
LOOSE SURFACE	---	---
CART TRACK	---	---
TRAIL	---	---
RAILROAD BED	---	---
RIVER	---	---
STREAM, DEFINITE	---	---
APPROXIMATE	---	---
SPLIT	---	---
LAKE	---	---
WATER LEVEL	---	---
SWAMP	---	---
BEAVER DAM	---	---
TREE LINE	---	---
CUT LINE	---	---
CONTOURS, INDEX	---	---
INTERMEDIATE	---	---
DEPRESSION	---	---
APPROXIMATE	---	---
SPOT ELEVATION	---	---
FORM LINES	---	---
CUT/FILL	---	---
FIELD CONTROL POINT	---	---
COAL LICENCE	---	---

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

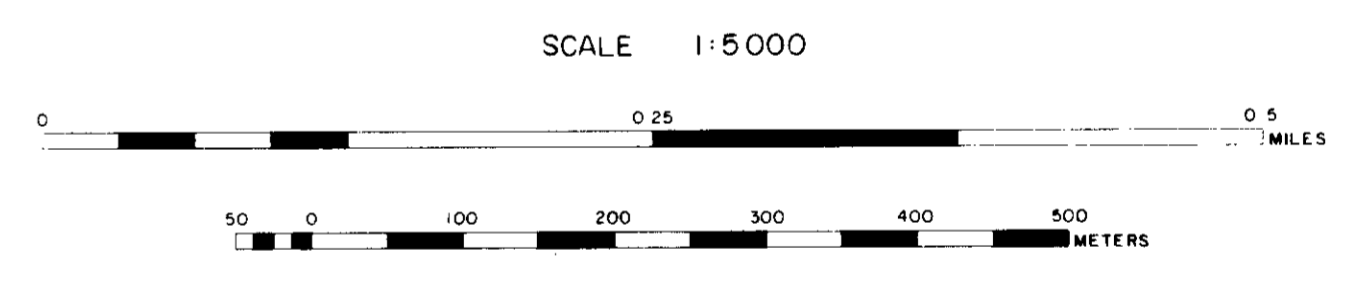
CONTOUR INTERVAL: 10 M, WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS +5.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION.

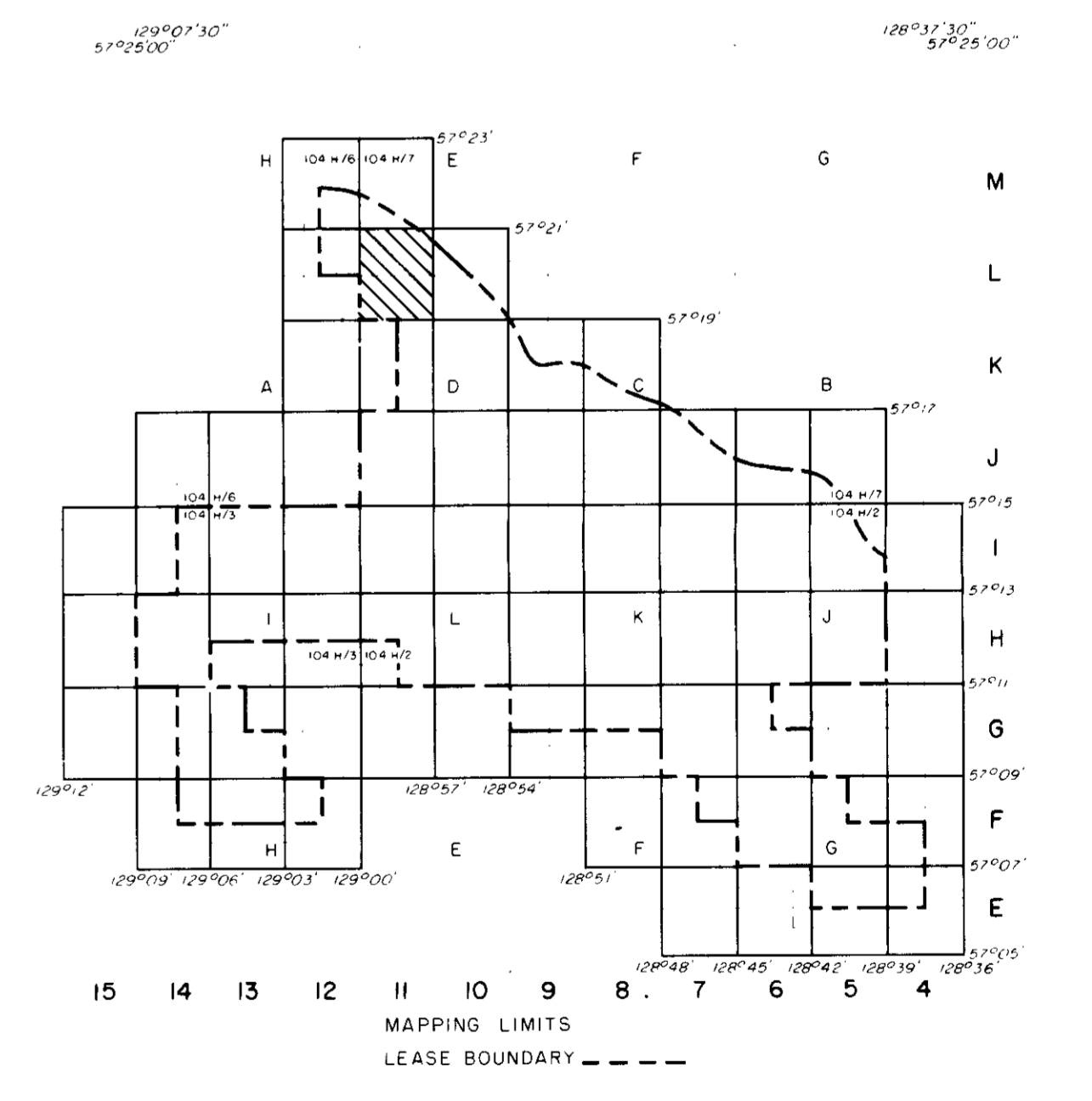
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY.

COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/87 AT A SCALE OF 1:60,000 (APPROXIMATE).



MT. KLAPPAN AREA
INDEX MAP



GR- MT. KLAPPAN 83(2)A

GULF CANADA RESOURCES INC.
Coal Division

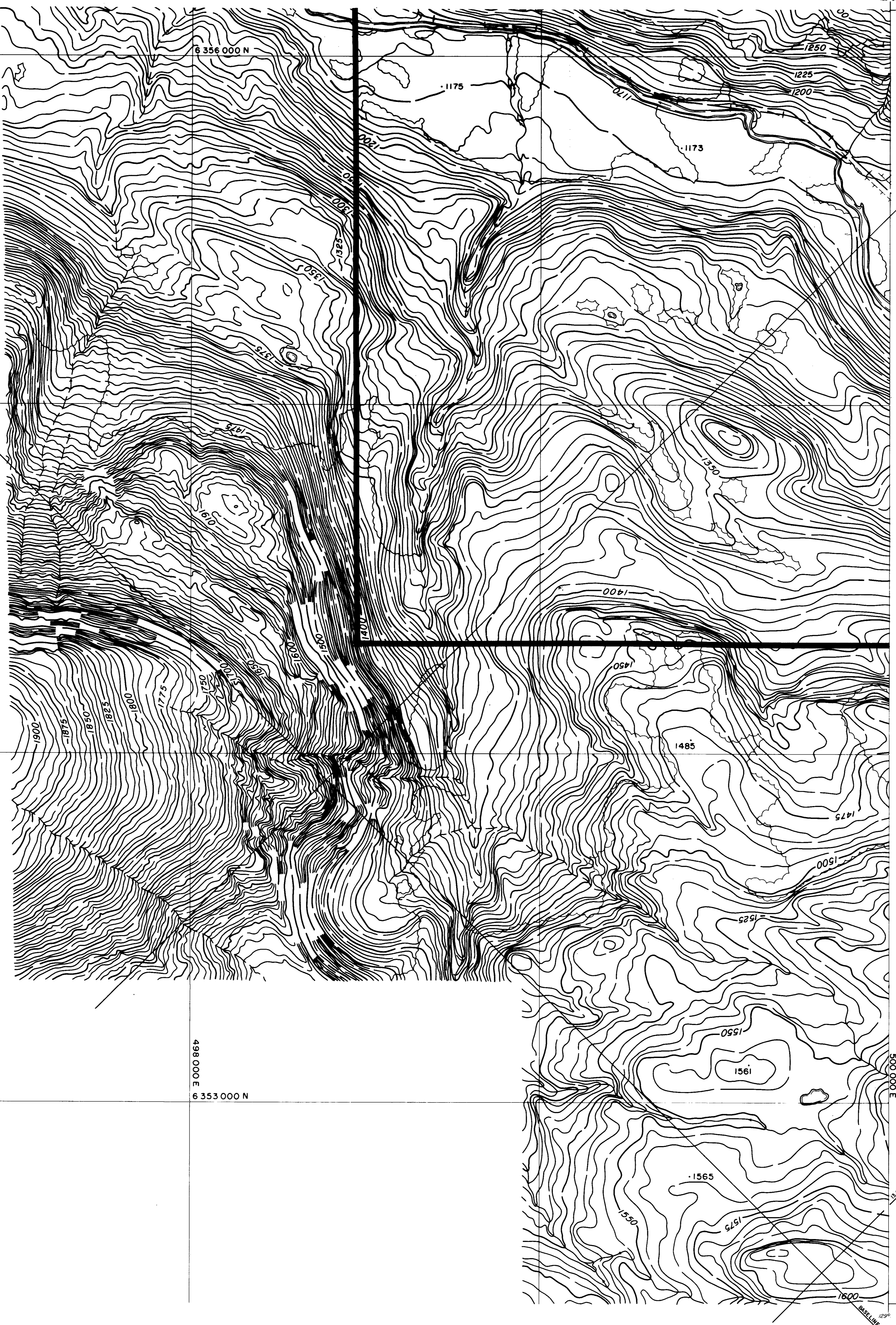
CALGARY ALBERTA

**MT. KLAPPAN COAL PROPERTY
MAP SHEET L 11
1983 TRENCH AND DRILL HOLE
LOCATION MAP**

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN83766

129°03'
57°21'

129°00'
57°21'



LEGEND

BUILDING	[Symbol]
ROAD, HARD SURFACE	[Symbol]
ROAD, LOOSE SURFACE	[Symbol]
CART TRACK	[Symbol]
TRAIL	[Symbol]
RAILROAD BED	[Symbol]
RIVER	[Symbol]
STREAM, DEFINITE	[Symbol]
STREAM, APPROXIMATE	[Symbol]
SPLIT	[Symbol]
LAKE	[Symbol]
WATER LEVEL	EL. 505'
SWAMP	[Symbol]
BEAVER DAM	[Symbol]
TREE LINE	[Symbol]
CUT LINE	[Symbol]
CONTOURS, INDEX	1750
INTERMEDIATE	[Symbol]
DEPRESSION	[Symbol]
APPROXIMATE	[Symbol]
SPOT ELEVATION	7654
FORM LINES	[Symbol]
CUT/FILL	[Symbol]
FIELD CONTROL POINT	[Symbol]
COAL LICENCE	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

CONTOUR INTERVAL: 10 M., WITH FORM LINES INTERVAL: 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - ±5.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.

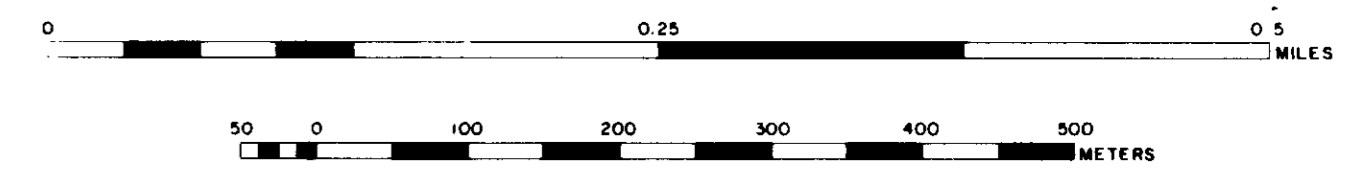
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

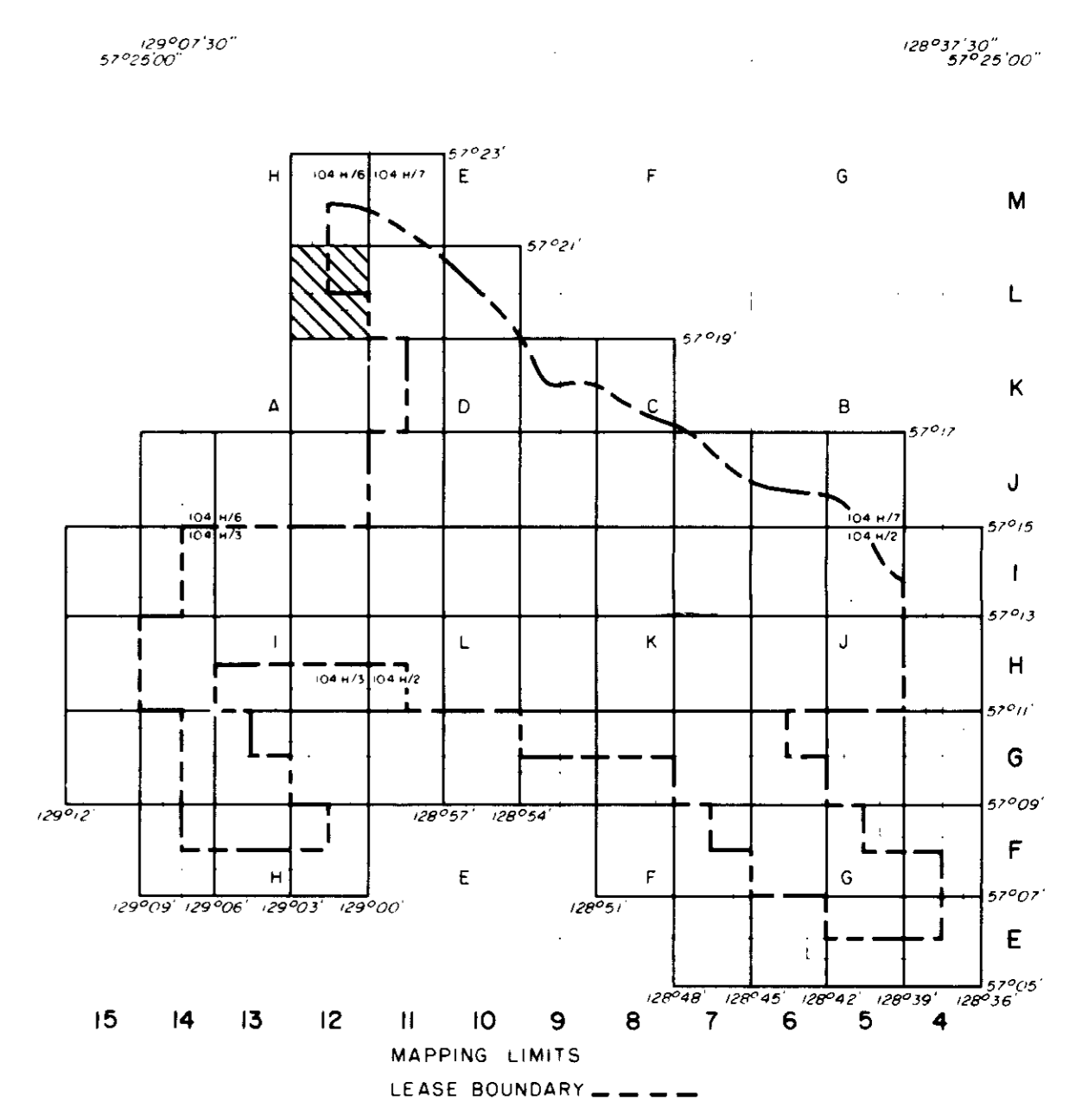
COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD.,
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
AT A SCALE OF 1:80,000 (APPROXIMATE).



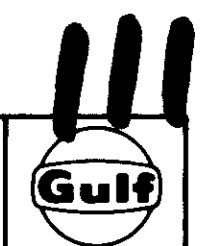
SCALE 1:5,000



MT. KLAPPAN AREA INDEX MAP



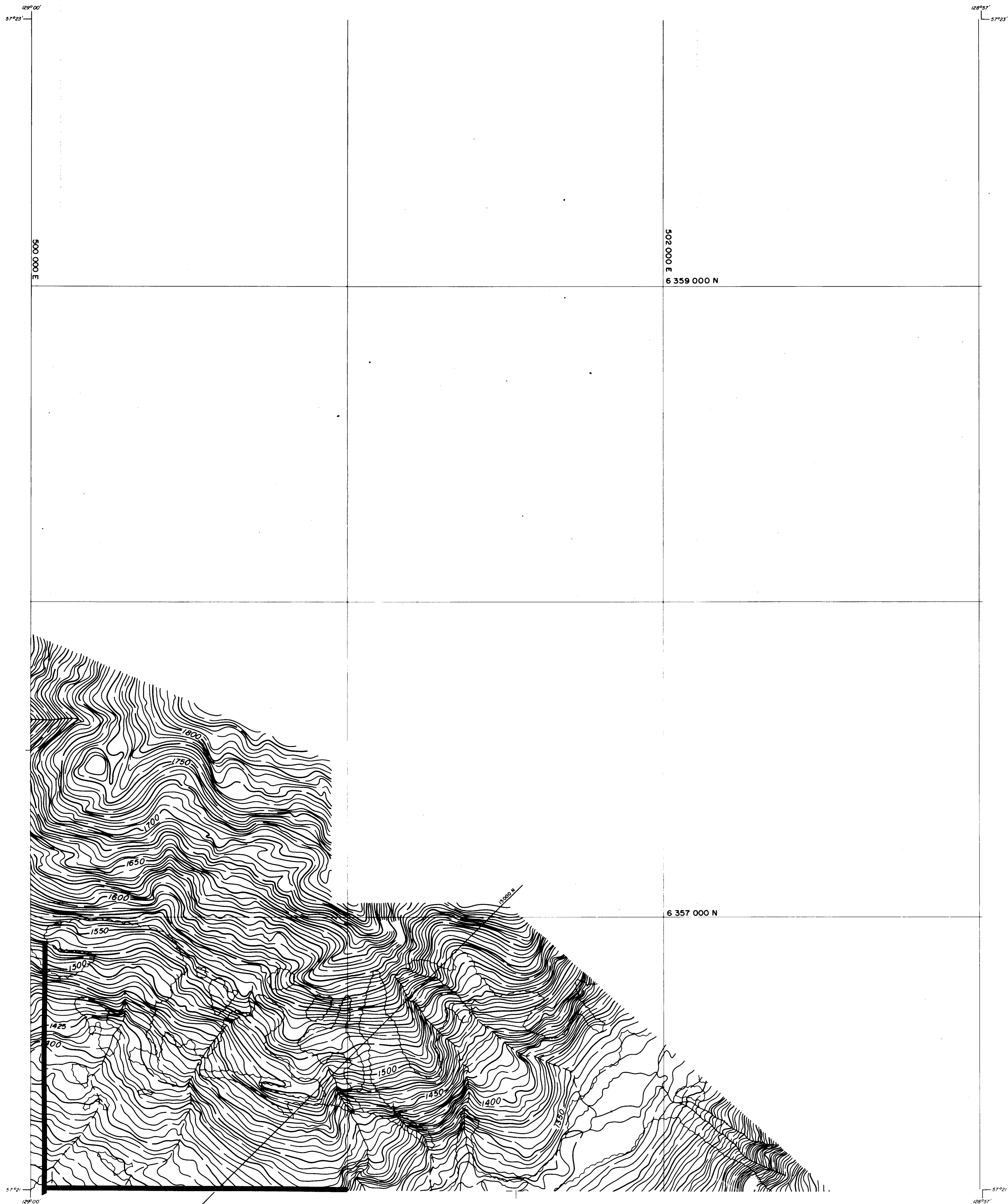
Gr. Mt. Klappan 83(2)A
GULF CANADA RESOURCES INC.
 Coal Division
 CALGARY ALBERTA



MT. KLAPPAN COAL PROPERTY
MAP SHEET L 12
1983 TRENCH AND DRILL HOLE
LOCATION MAP

PREPARED BY: C. LOUIE SCALE 1:5000
 APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN83T87

57°19'
129°03'



LEGEND

BUILDING	---	[Symbol]
ROAD, HARD SURFACE	---	[Symbol]
ROAD, LOOSE SURFACE	---	[Symbol]
CART TRACK	---	[Symbol]
TRAIL	---	[Symbol]
RAILROAD BED	---	[Symbol]
RIVER	---	[Symbol]
STREAM, DEFINITE	---	[Symbol]
STREAM, APPROXIMATE	---	[Symbol]
LAKE	---	[Symbol]
WATER LEVEL	---	[Symbol]
SWAMP	---	[Symbol]
BEAVER DAM	---	[Symbol]
TREE LINE	---	[Symbol]
CUT LINE	---	[Symbol]
CONTOURS, INDEX	---	[Symbol]
CONTOURS, INTERMEDIATE	---	[Symbol]
DEPRESSION	---	[Symbol]
DEPRESSION, APPROXIMATE	---	[Symbol]
SPOT ELEVATION	---	[Symbol]
FORM LINES	---	[Symbol]
CUT/FILL	---	[Symbol]
FIELD CONTROL POINT	---	[Symbol]
COAL LICENCE	---	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES.

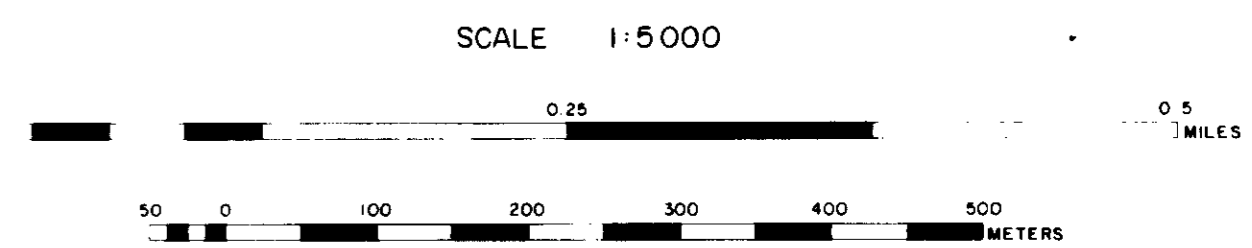
CONTOUR INTERVAL = 10 M., WITH FORM LINES INTERVAL = 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS + 5.0 METERS FOR GROUND NOT OBSCURED BY TREES OR VEGETATION.

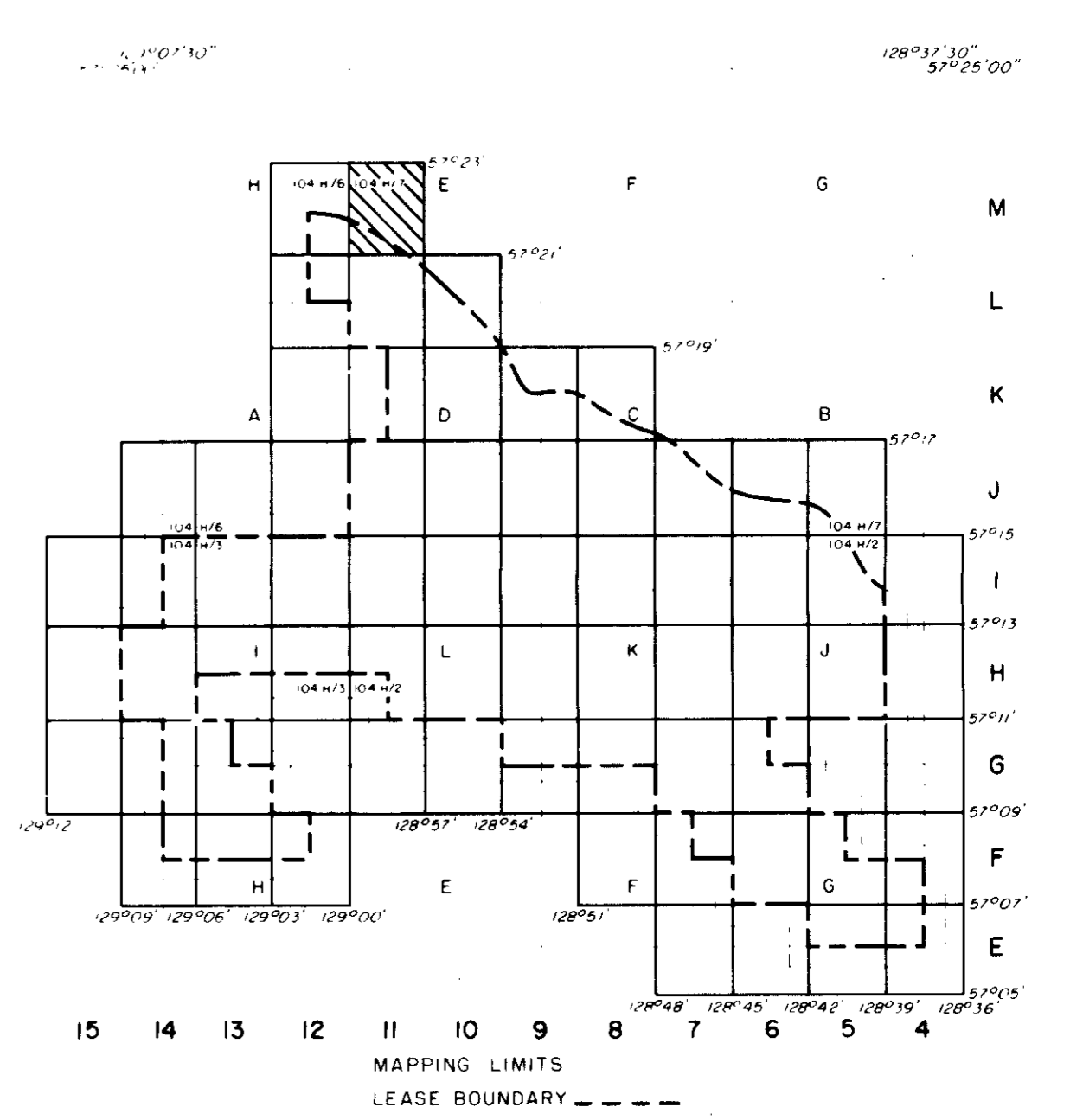
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.S. MAPS; MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY.

COMPILED BY:
WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD.,
FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67
AT A SCALE OF 1:60 000 (APPROXIMATE).



**MT. KLAPPAN AREA
INDEX MAP**



Gr. Mt. Klappan 83(2)A III

GULF CANADA RESOURCES INC.
Coal Division ALBERTA

**MT. KLAPPAN COAL PROPERTY
MAP SHEET M II
1983 TRENCH AND DRILL HOLE
LOCATION MAP**

PREPARED BY: C. LOUIE SCALE 1:5000
APPROVED BY: C. WILLIAMS DATE: JAN, 1984 DRAWING No. KPN8308

129° 01' 57" E

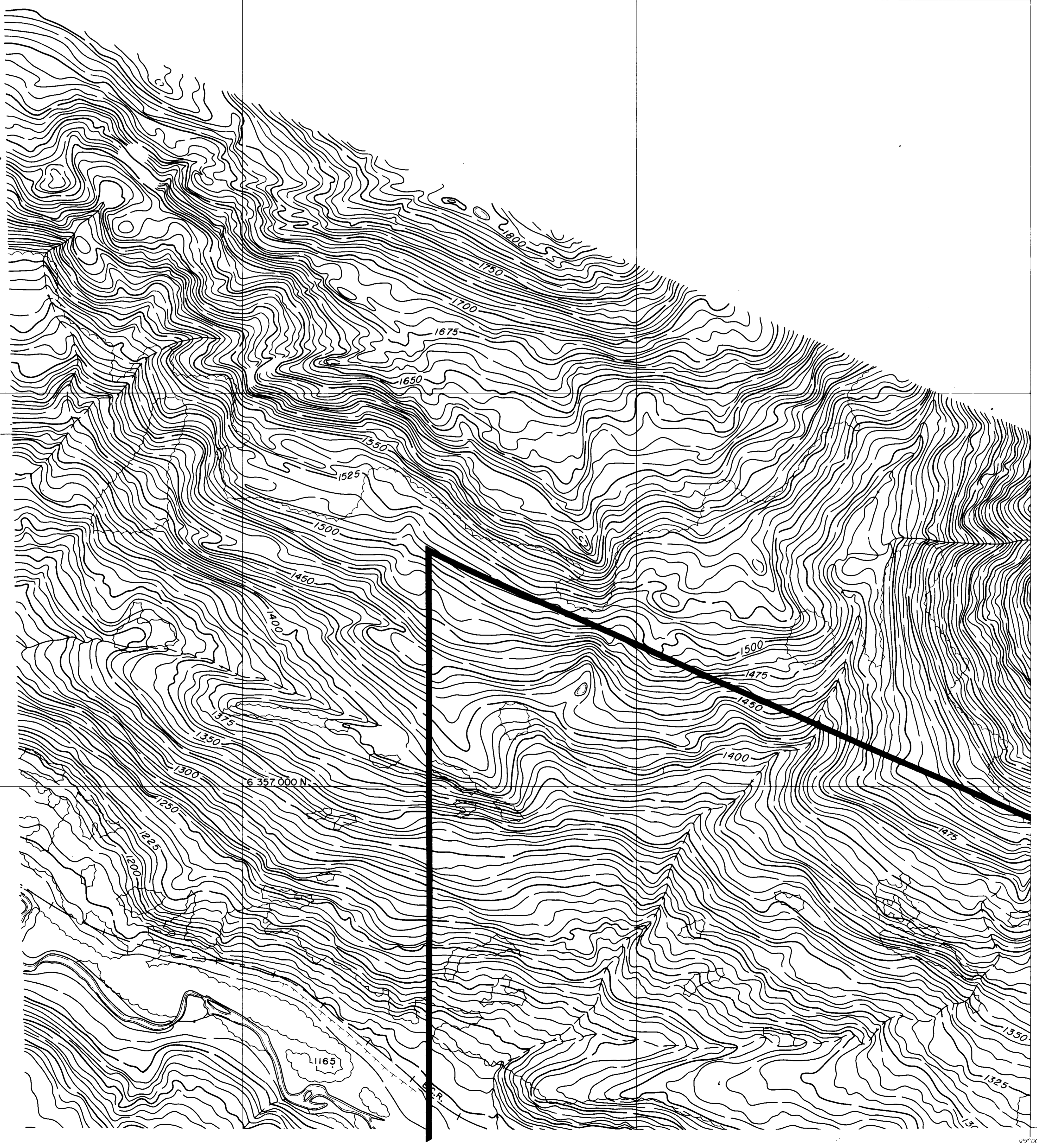
129° 00'

498 000 E

500 000 E

6 359 000 N

6 357 000 N



LEGEND

BUILDING	---	[Symbol]
ROAD, HARD SURFACE	---	[Symbol]
LOOSE SURFACE	---	[Symbol]
CART TRACK	---	[Symbol]
TRAIL	---	[Symbol]
RAILROAD BED	---	[Symbol]
RIVER	---	[Symbol]
STREAM, DEFINITE	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPLIT	---	[Symbol]
LAKE	---	[Symbol]
WATER LEVEL	---	[Symbol]
SWAMP	---	[Symbol]
BEAVER DAM	---	[Symbol]
TREE LINE	---	[Symbol]
CUT LINE	---	[Symbol]
CONTOURS, INDEX	---	[Symbol]
INTERMEDIATE	---	[Symbol]
DEPRESSION	---	[Symbol]
APPROXIMATE	---	[Symbol]
SPOT ELEVATION	---	[Symbol]
FORM LINES	---	[Symbol]
CUT/FILL	---	[Symbol]
FIELD CONTROL POINT	---	[Symbol]
COAL LICENCE	---	[Symbol]

NOTES

MAPPING PRODUCED FROM PHOTOGRAPHIC ENLARGEMENTS OF 1:10,000 NEGATIVES

CONTOUR INTERVAL = 10 M., WITH FORM LINES INTERVAL = 5 M.

ACCURACY OF 5M FORM LINES IS EQUAL TO THE ACCURACY OF THE 10M CONTOURS - ±5.0 METERS FOR GROUND NOT OCCURRED BY TREES OR VEGETATION

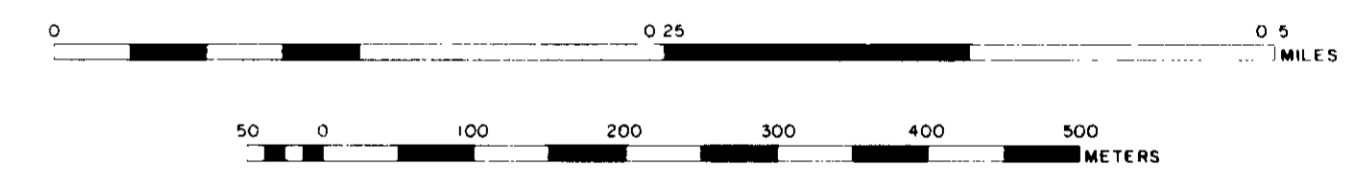
SURVEY CONTROL TAKEN FROM EXISTING PHOTO IDENTIFIABLE GOVERNMENT SURVEY MONUMENTS AND N.T.S. MAPS. MAPPING IS BASED ON UNIVERSAL TRANSVERSE MERCATOR GRID AND GEODETIC DATUM.

RAILROAD BED LOCATION BASED ON SEPT./82 AERIAL PHOTOGRAPHY

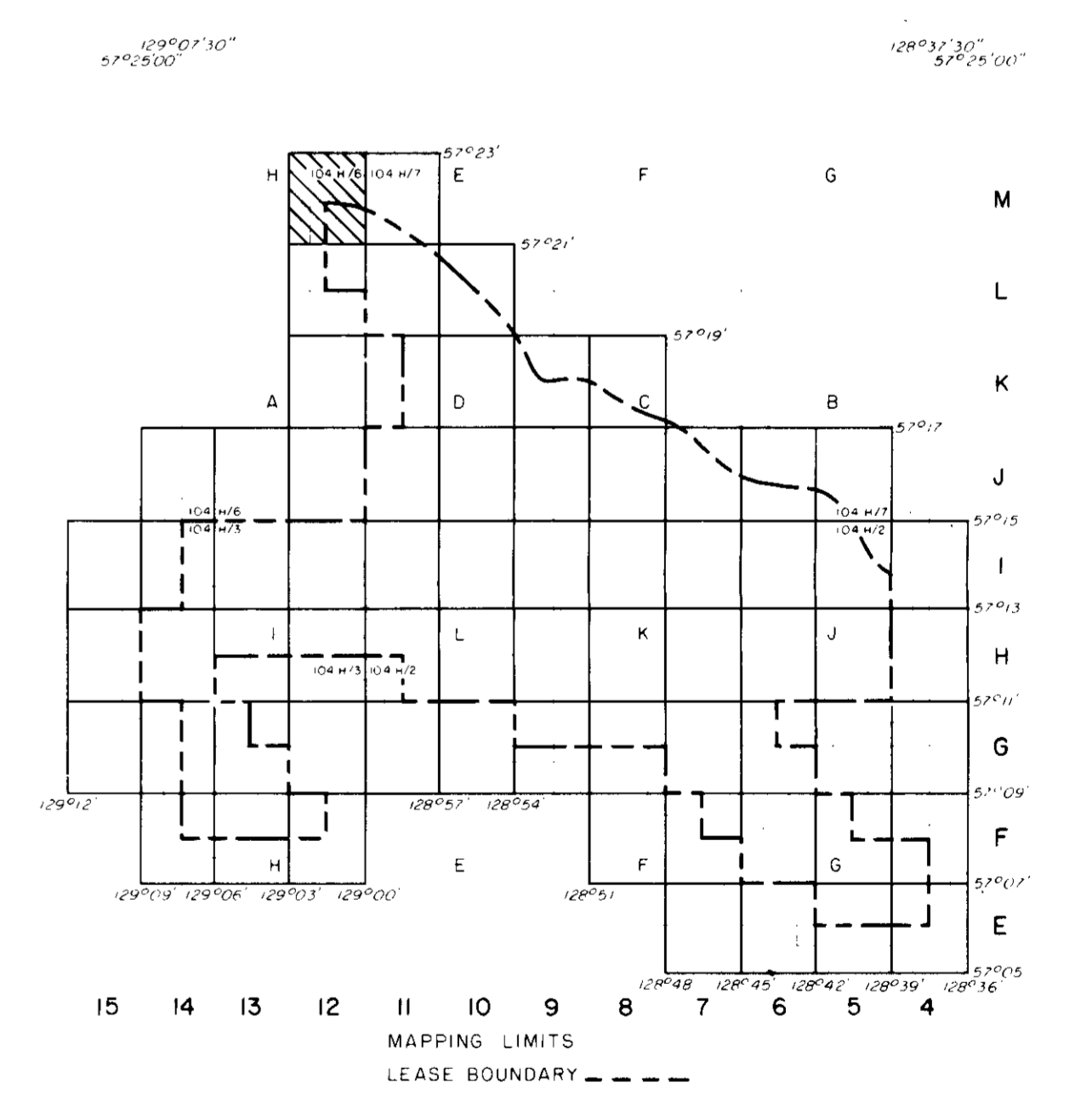
COMPILED BY WESTERN PHOTOGRAMMETRY, A DIVISION OF UNDERWOOD McLELLAN LTD., FROM FEDERAL GOVERNMENT AERIAL PHOTOGRAPHY FLOWN IN AUGUST/67 AT A SCALE OF 1:60,000 (APPROXIMATE)



SCALE 1:5,000

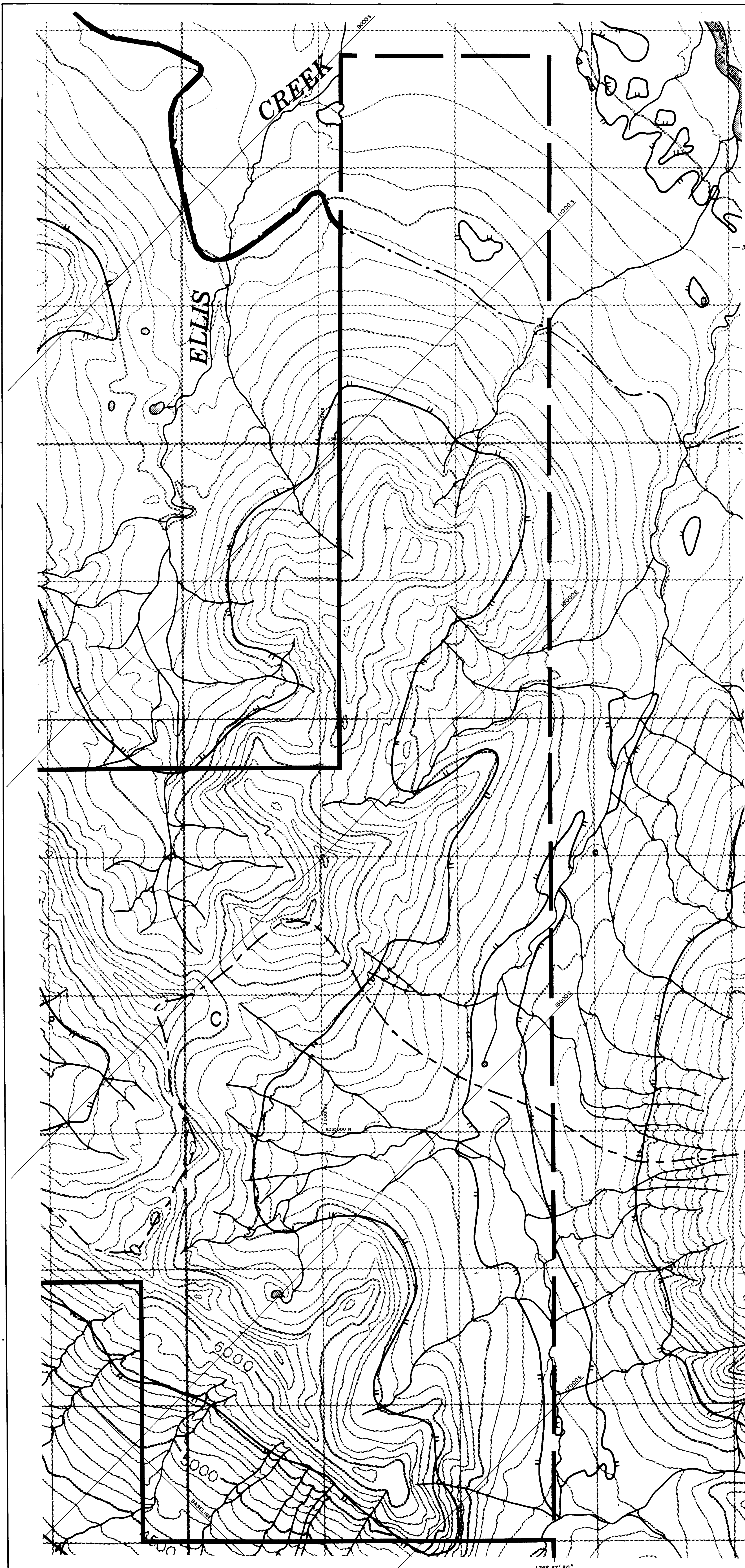


MT. KLAPPAN AREA INDEX MAP



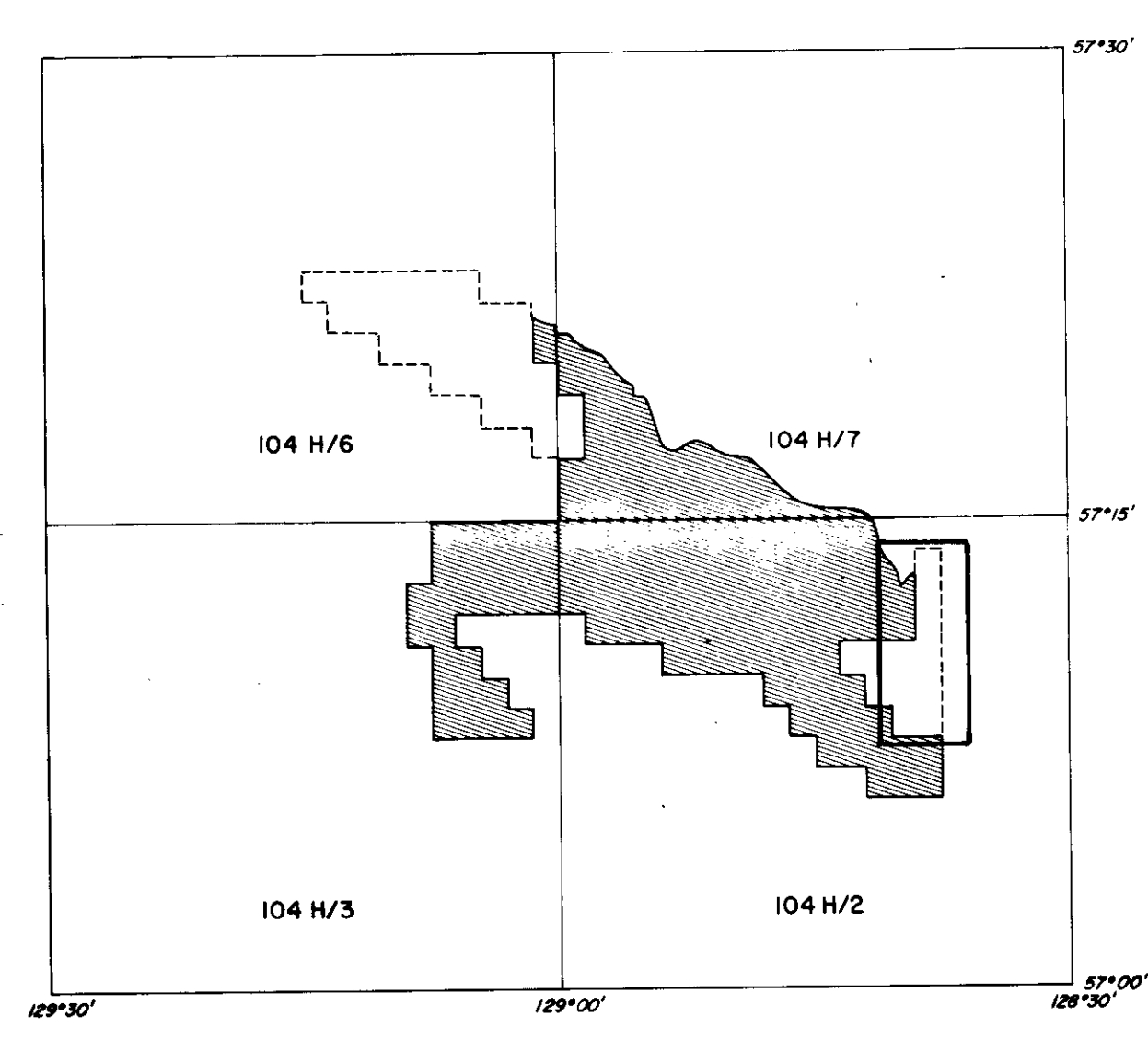
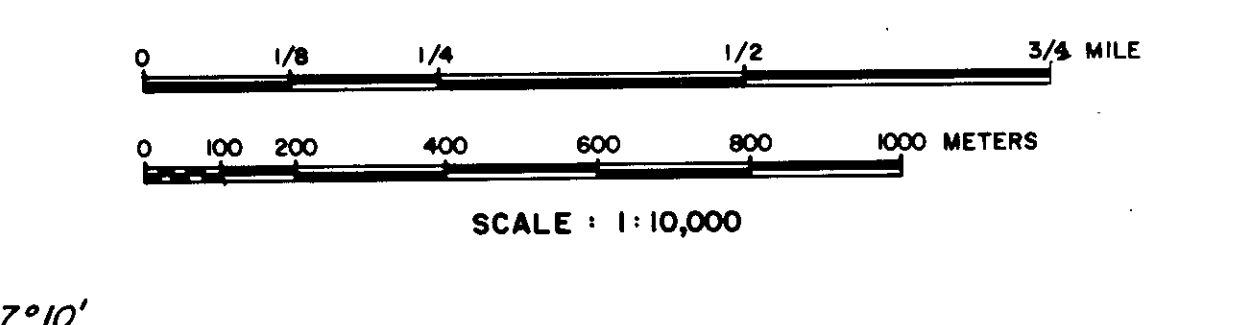
Ge. Mt Klappan 83(2)A

GULF CANADA RESOURCES INC.		
Coal Division	CALGARY	ALBERTA
MT. KLAPPAN COAL PROPERTY		
MAP SHEET M 12		
1983 TRENCH AND DRILL HOLE LOCATION MAP		
PREPARED BY: C. LOUIE	SCALE 1:5000	
APPROVED BY: C. WILLIAMS	DATE: JAN, 1984	DRAWING No. KPN83769



LEGEND

ROADS AND RELATED FEATURES	
HARD SURFACE ALL WEATHER	
LOOSE SURFACE	
CART TRACK WINTER ROAD	
TRAIL CUTLINE PORTAGE	
BUILT UP AREA	
RAILWAY SIGNAL STATION STOP	
BRIDGE	
SEAPLANE BASE ANCHORAGE	
LANDMARK FEATURES	
HOUSE BARN	
CHURCH SCHOOL	
POST OFFICE	
HISTORICAL SITE	
TOWERS FIRE RADIO	
WELL OIL GAS	
TANK OIL GASOLINE WATER	
TELEPHONE LINE	
POWER TRANSMISSION LINE	
MAR	
CUTTING EMBANKMENT	
GRAVELLY	
BOUNDARIES AND CONTROL	
INTERNATIONAL PROVINCIAL BOUNDARY MONUMENT	
COUNTY DISTRICT	
TOWNSHIP PARISH - SURVEYED	
TOWNSHIP OIL - SURVEYED	
SECTION CORNERS	
MUNICIPALITY	
INDIAN RESERVE PARK ETC	
HORIZONTAL CONTROL POINT	
BENCH MARK	
SPOT ELEVATION ELEVATION APPROXIMATE	
DRAINAGE AND RELATED FEATURES	
STREAM SHORLINE INDEFINITE	
DIRECTION OF FLOW	
LAKE INTERMITTENT	
MUNDATED FLOODED LAND	
MARSH OR SWAMP WOODS	
DRY ALYER BED WITH CHANNELS	
SAND RIDGE WATER	
STRONG BOG	
TUNDRA BODIES POLYTONS	
RAPIES	
FORESHORE FLATS	
ROCK	
DAM	
WHARF	
DITCH	
RELIEF FEATURES	
CONTOUR	
APPROXIMATE CONTOUR	
DEPRESSION	
ESKER	
FRIGO	
SAND SAND DUNES	
PALEA BOD	
WOODED AREA	
LICENCE BOUNDARY	
LICENCE UNDER APPLICATION	



C. W. K. 93 (2) 10

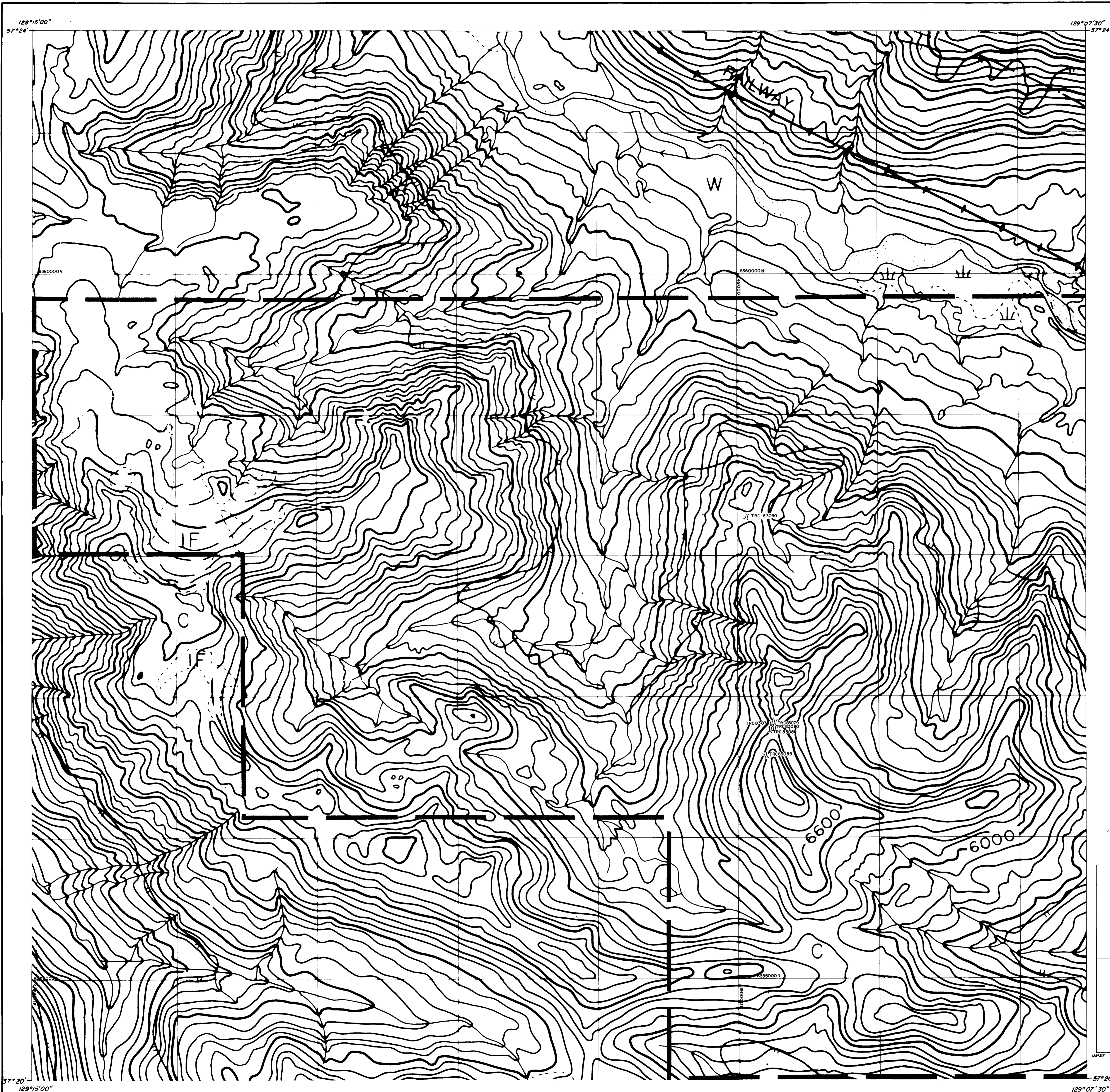
GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

MOUNT KLAPPAN COAL PROPERTY
MAP SHEET 104 H/2 G.J
ELLIS RIDGE
TRENCH & DRILL HOLE LOCATION

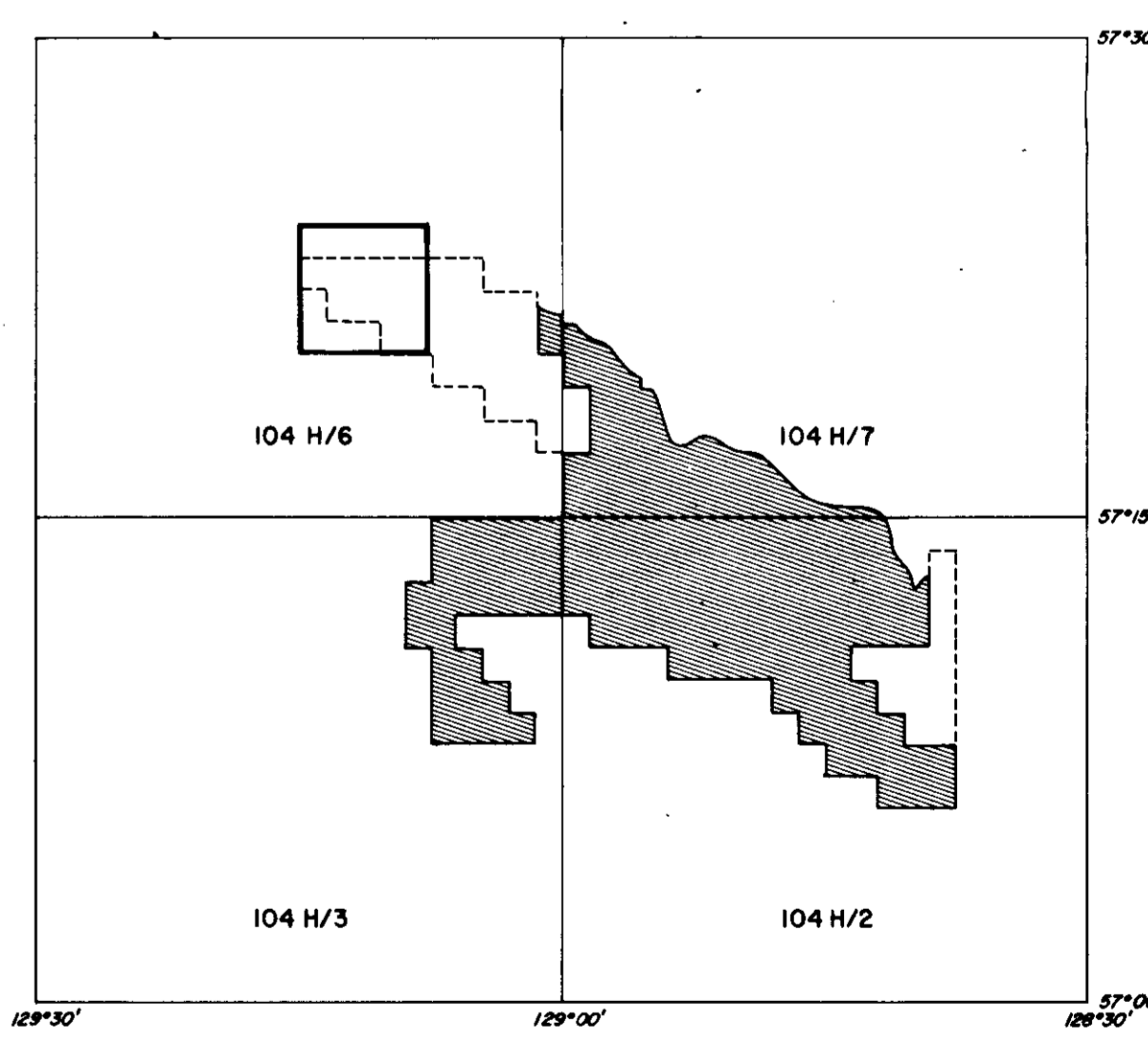
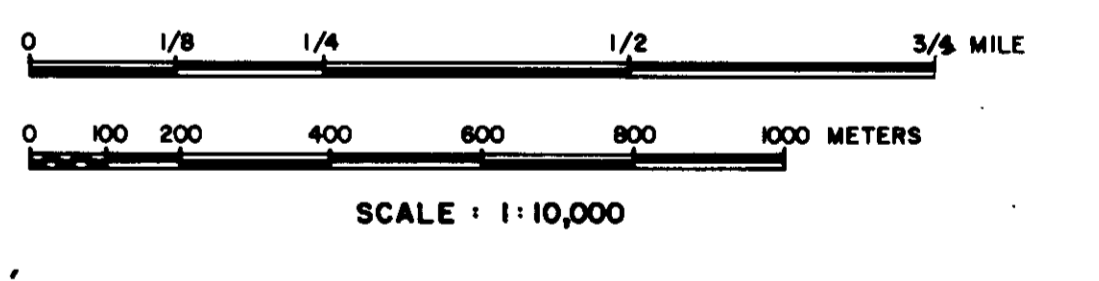
PREPARED BY: C. LOUIE	DRAWING No.
APPROVED BY: C. WILLIAMS	DATE: FEB. 1984

APPENDIX III



LEGEND

ROADS AND RELATED FEATURES	
HARD SURFACE ALL WEATHER	
LOOSE SURFACE	
CART TRACK WINTER ROAD UNDER CONSTRUCTION	
TRAIL CUTLINE PORTAGE	
BUILT UP AREA	
RAILWAY SOUND STATION STOP	
BRIDGE	
SEAPLANE BASE ANCHORAGE	
LANDMARK FEATURES	
HOUSE BARN	
CHURCH SCHOOL	
POST OFFICE	
HISTORICAL SITE	
TOWERS FIRE RADIO	
WELL OIL GAS	
TANK OIL GASOLINE WATER	
TELEPHONE LINE	
POWER TRANSMISSION LINE	
MINE	
CUTTING EMBANKMENT	
GRAVEL PIT	
BOUNDARIES AND CONTROL	
INTERNATIONAL PROVINCIAL BOUNDARY MONUMENT	
COUNTY DISTRICT	
TOWNSHIP PARISH - SURVEYED	
TOWNSHIP DLS - SURVEYED	
TOWNSHIP DLS - UNSURVEYED	
SECTION CORNERS	
MUNICIPALITY	
INDIAN RESERVE PARK ETC	
HORIZONTAL CONTROL POINT	
BENCH MARK	
SPOT ELEVATION ELEVATION APPROXIMATE	
DRAINAGE AND RELATED FEATURES	
STREAM SHOULDER INDEFINITE	
DIRECTION OF FLOW	
LINE INTERMITTENT	
WATERED FLOODED LAND	
MARSH OR SWAMP (WOODED)	
DRY RIVER BED WITH CHANNELS	
SAND ABOVE IN WATER	
STRING BOG	
TUNDRA PONDS POLYGOONS	
RAPIDS	
FORESHORE FLATS	
ROCK	
DAM	
WHARF	
DITCH	
RELIEF FEATURES	
CONTOURS	
APPROXIMATE CONTOUR	
DEPRESSION	
ESKER	
PINGO	
SAND SAND DUNES	
PALSA BOG	
WOODED AREA	
LICENCE BOUNDARY	
LICENCE UNDER APPLICATION	



III

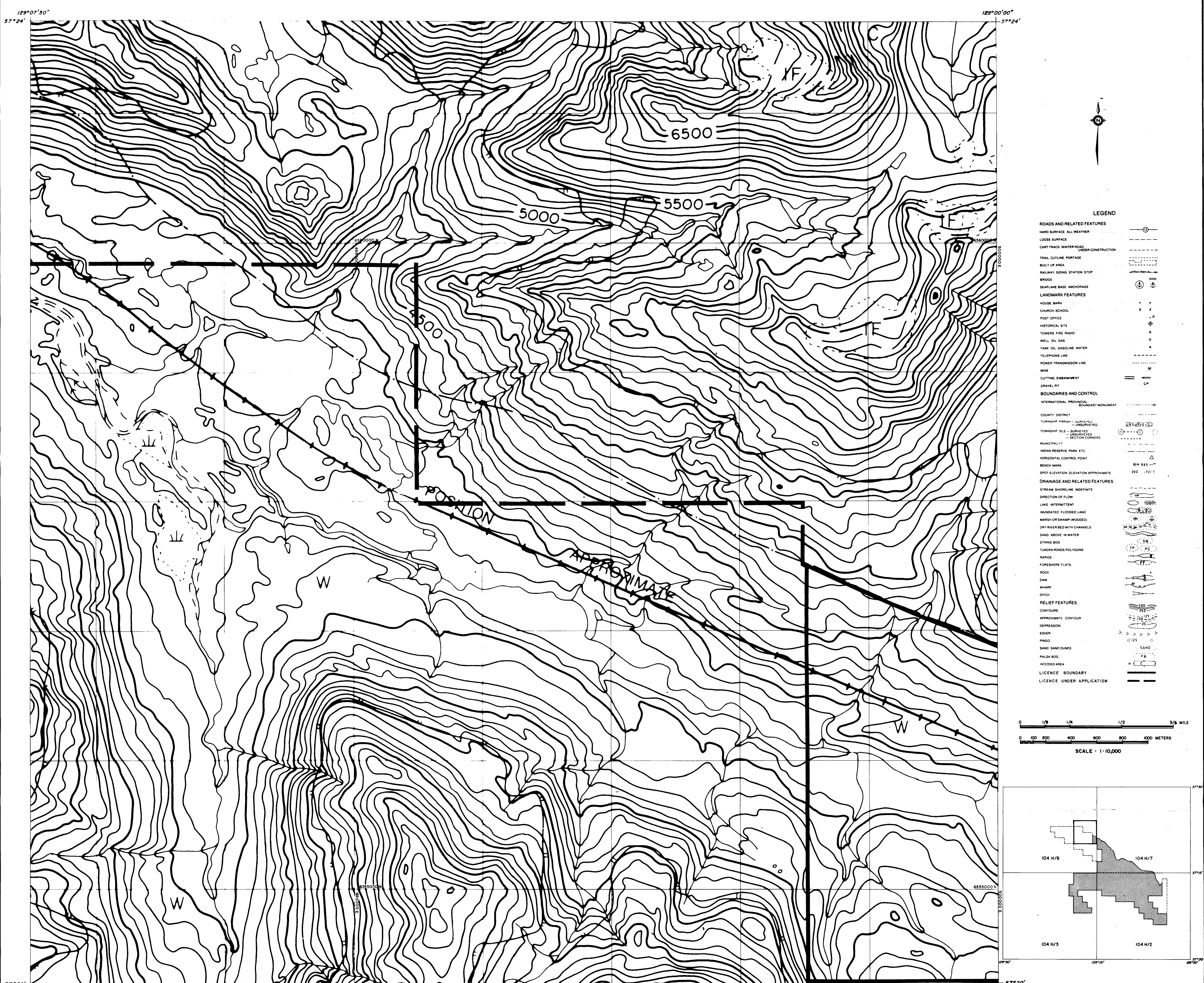
C.R. M.T. Klappan (33/2)

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Coal Division

CALGARY ALBERTA

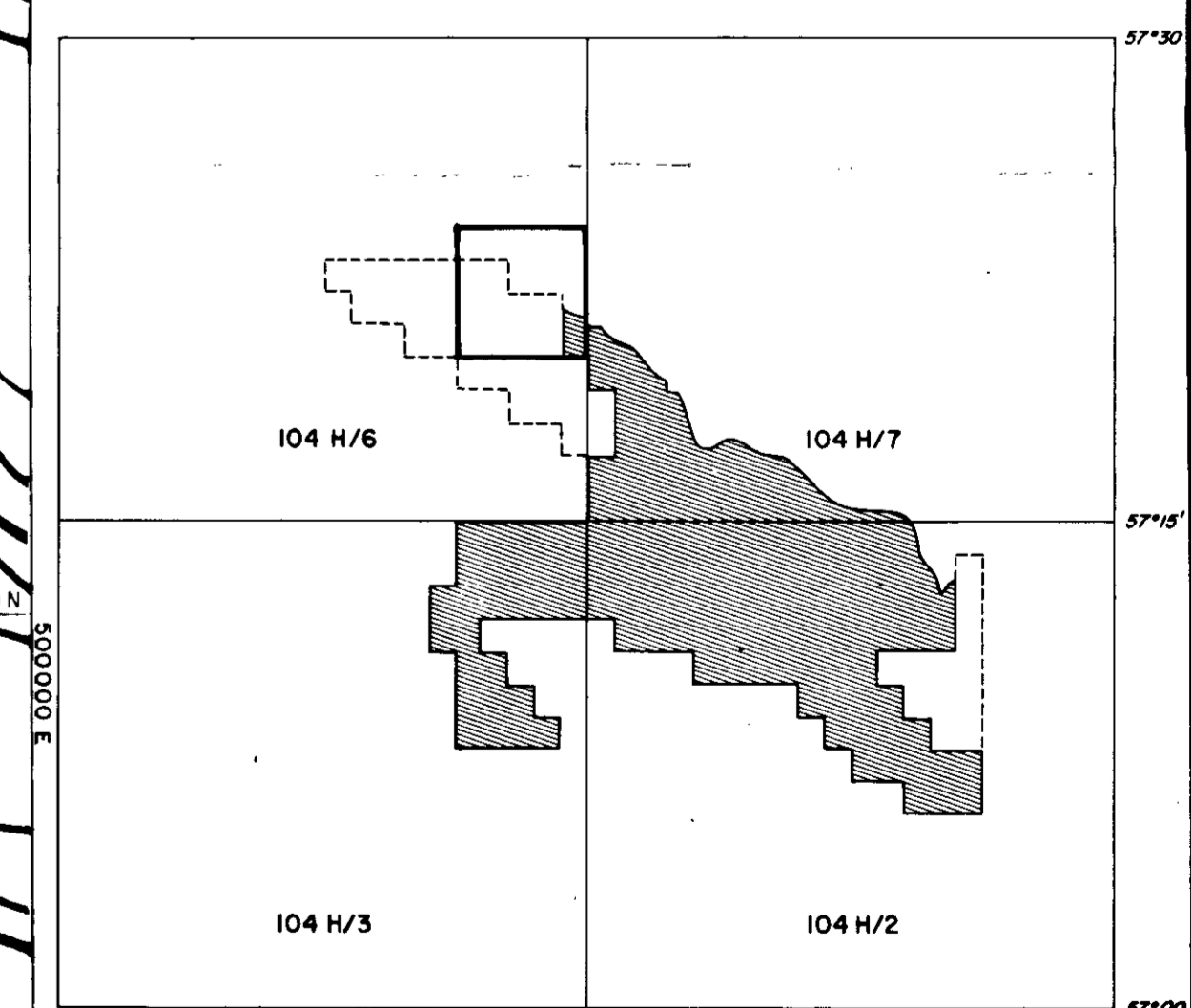
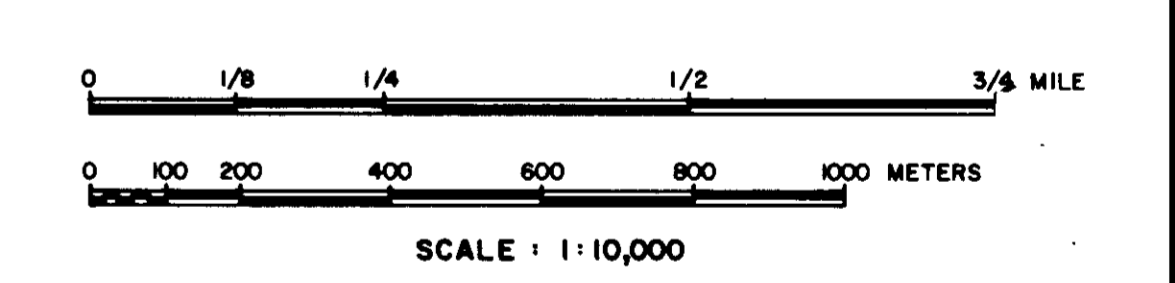
MOUNT KLAPPAN COAL PROPERTY
MAP SHEET 104 H/6 G
SUMMIT NORTH
TRENCH & DRILL HOLE LOCATION

PREPARED BY: C. LOUIE	DRAWING No.
APPROVED BY: C. WILLIAMS	DATE: FEB. 1984
	KPN837.1



LEGEND

ROADS AND RELATED FEATURES	
HARD SURFACE ALL WEATHER	
LOOSE SURFACE	
CART TRACK WINTER ROAD UNDER CONSTRUCTION	
TRAIL CUTLINE PORTAGE	
BUILT UP AREA	
RAILWAY STATION STOP	
BRIDGE	
SEAPLANE BASE ANCHORAGE	
LANDMARK FEATURES	
HOUSE BARN	
CHURCH SCHOOL	
POST OFFICE	
HISTORICAL SITE	
TOWERS FIRE RADIO	
WELL OIL GAS	
TANK OIL GASOLINE WATER	
TELEPHONE LINE	
POWER TRANSMISSION LINE	
MINE	
CUTTING EMBANKMENT	
GRAVEL PIT	
BOUNDARIES AND CONTROL	
INTERNATIONAL PROVINCIAL BOUNDARY MONUMENT	
COUNTY DISTRICT	
TOWNSHIP PARISH - SURVEYED	
TOWNSHIP DLS - SURVEYED	
SECTION CORNERS	
MUNICIPALITY	
ADJACENT RESERVE PARK ETC	
HORIZONTAL CONTROL POINT	
BENCH MARK	
SPOT ELEVATION APPROXIMATE	
DRAINAGE AND RELATED FEATURES	
STREAM SHORELINE INDEFINITE	
DIRECTION OF FLOW	
LAKE INTERMITTENT	
INDICATED FLOODED LAND	
MARSH (OR SWAMP WOODS)	
DRY RIVER BED WITH CHANNELS	
SAND ABOVE IN WATER	
STRING BOG	
TUNDRA PONDS POLYDONS	
RAPIDS	
FORESHORE FLATS	
ROCK	
DAM	
WHARF	
DITCH	
RELIEF FEATURES	
CONTOURS	
APPROXIMATE CONTOUR	
DEPRESSION	
ESKER	
PANZO	
SAND SAND DUNES	
PALSA BOG	
WOODED AREA	
LICENCE BOUNDARY	
LICENCE UNDER APPLICATION	



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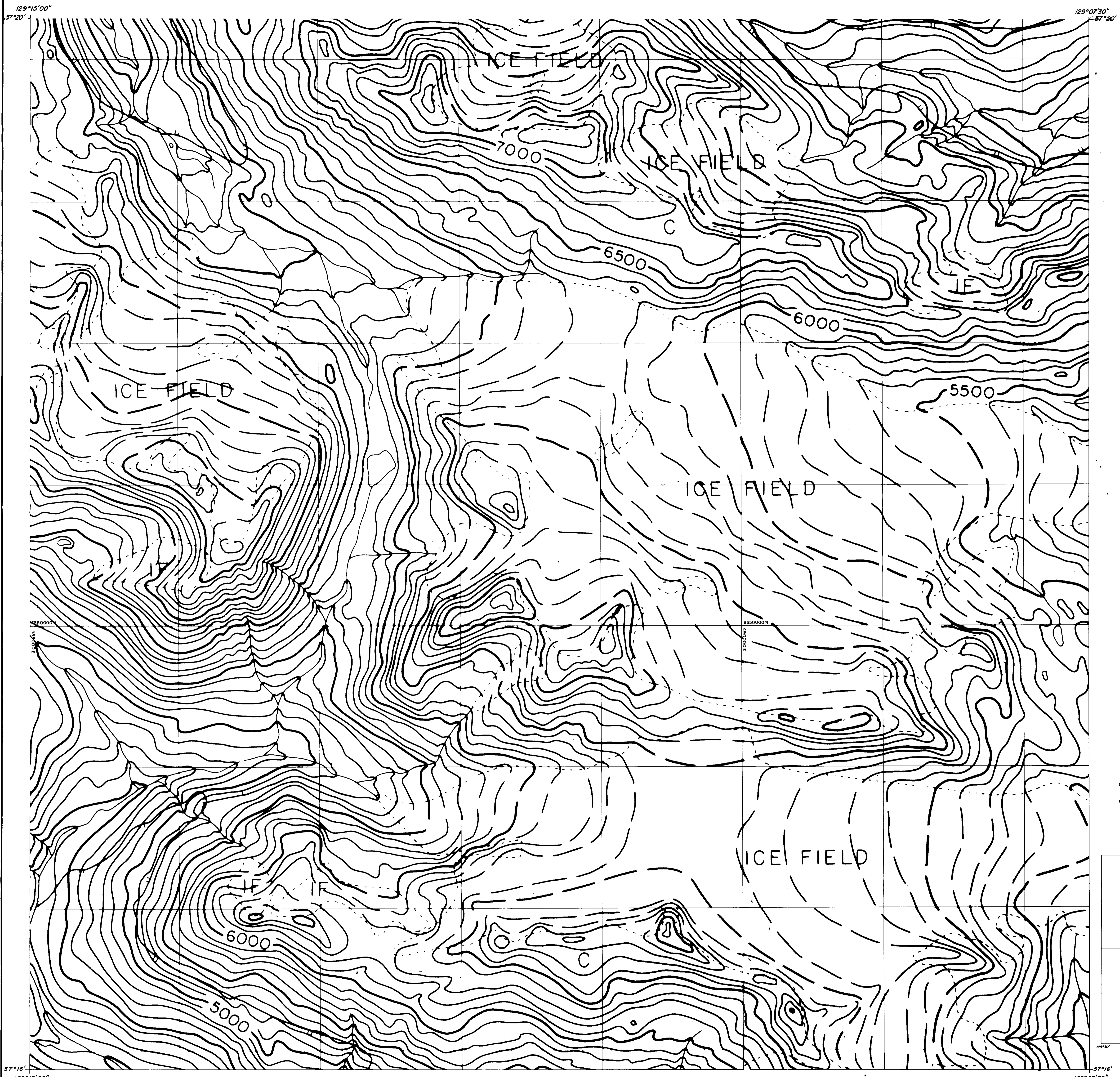
Gr. Mt. Klappan 8512A

GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

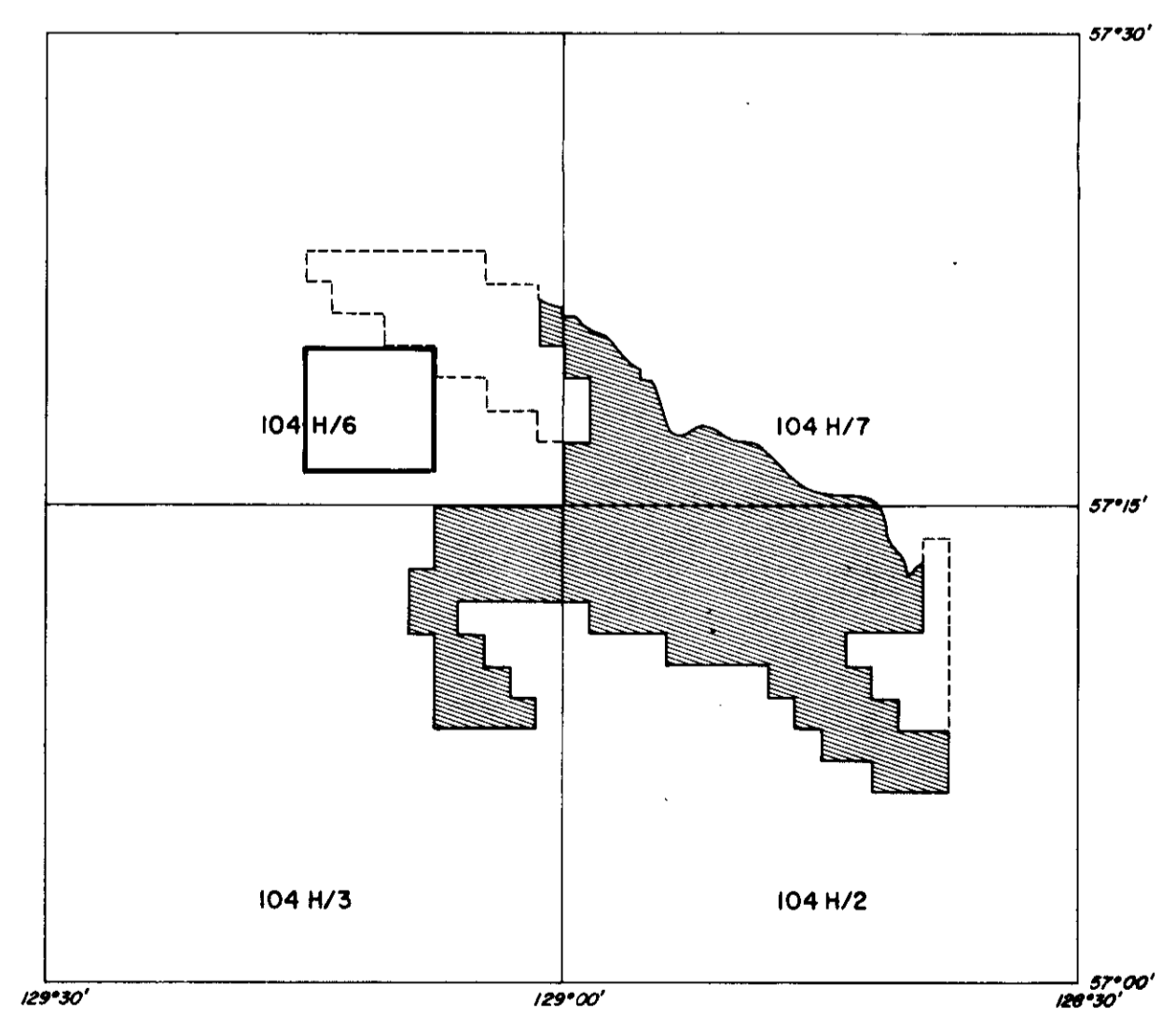
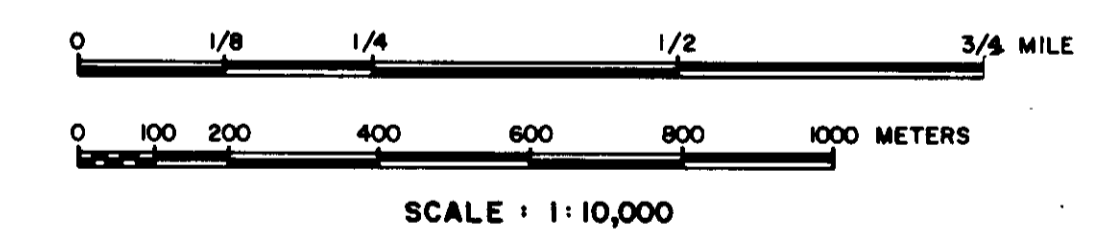
MOUNT KLAPPAN COAL PROPERTY
MAP SHEET 104 H/6 H
SUMMIT NORTH
TRENCH & DRILL HOLE LOCATION

PREPARED BY: C. LOUIE	DRAWING No.
APPROVED BY: C. WILLIAMS	DATE: FEB. 1984
	KPN83772



LEGEND

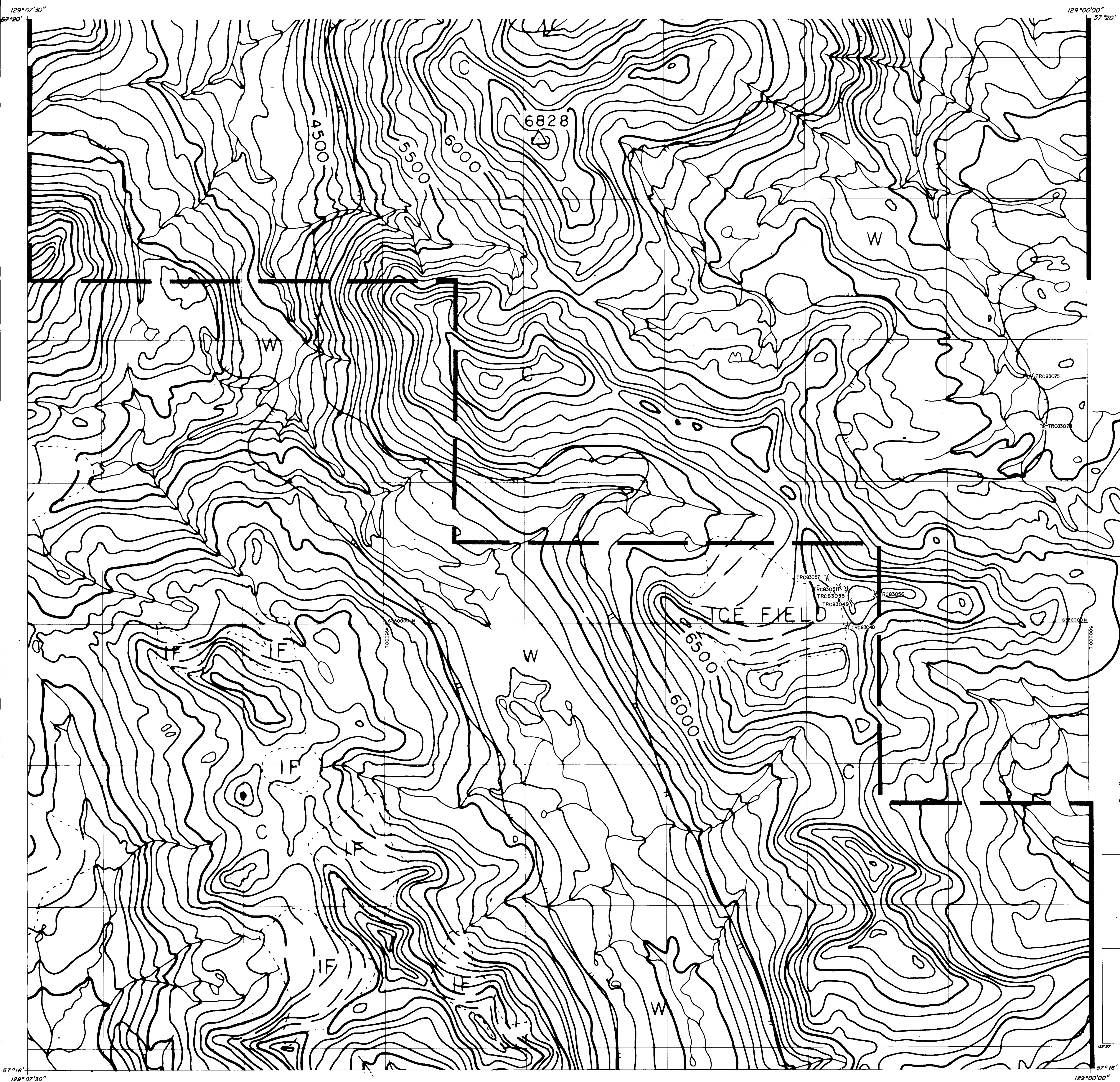
ROADS AND RELATED FEATURES	
HARD SURFACE ALL WEATHER	
LOOSE SURFACE	
CART TRACK WINTER ROAD	
TRAIL CUTLINE PORTAGE	
BUILT UP AREA	
RAILWAY SIDING STATION STOP	
BRIDGE	
SEAPLANE BASE ANCHORAGE	
LANDMARK FEATURES	
HOUSE BARN	
CHURCH SCHOOL	
POST OFFICE	
HISTORICAL SITE	
TOWERS FIRE RADIO	
WELL OIL GAS	
TANK OIL GASOLINE WATER	
TELEPHONE LINE	
POWER TRANSMISSION LINE	
MINE	
CUTTING EMBANKMENT	
GRAVEL PIT	
BOUNDARIES AND CONTROL	
INTERNATIONAL PROVINCIAL BOUNDARY MONUMENT	
COUNTY DISTRICT	
TOWNSHIP PARISH - SURVEYED	
TOWNSHIP OLS - SURVEYED	
MUNICIPALITY	
INDIAN RESERVE PARK ETC	
HORIZONTAL CONTROL POINT	
BENCH MARK	
SPOT ELEVATION ELEVATION APPROXIMATE	
DRAINAGE AND RELATED FEATURES	
STREAM SHORELINE INDEFINITE	
DIRECTION OF FLOW	
LAKE INTERMITTENT	
INUNDATED FLOODED LAND	
MARSH OR SWAMP (WOODED)	
DRY RIVER BED WITH CHANNELS	
SAND ABOVE IN WATER	
STRING BOG	
TUNDRA PONDS POLYGONS	
RANGES	
FORESHORE FLATS	
ROCK	
DAM	
WHARF	
DITCH	
RELIEF FEATURES	
CONTOURS	
APPROXIMATE CONTOUR	
DEPRESSION	
ESKER	
PINGO	
SAND SAND DUNES	
FALSA BOG	
WOODED AREA	
LICENCE BOUNDARY	
LICENCE UNDER APPLICATION	



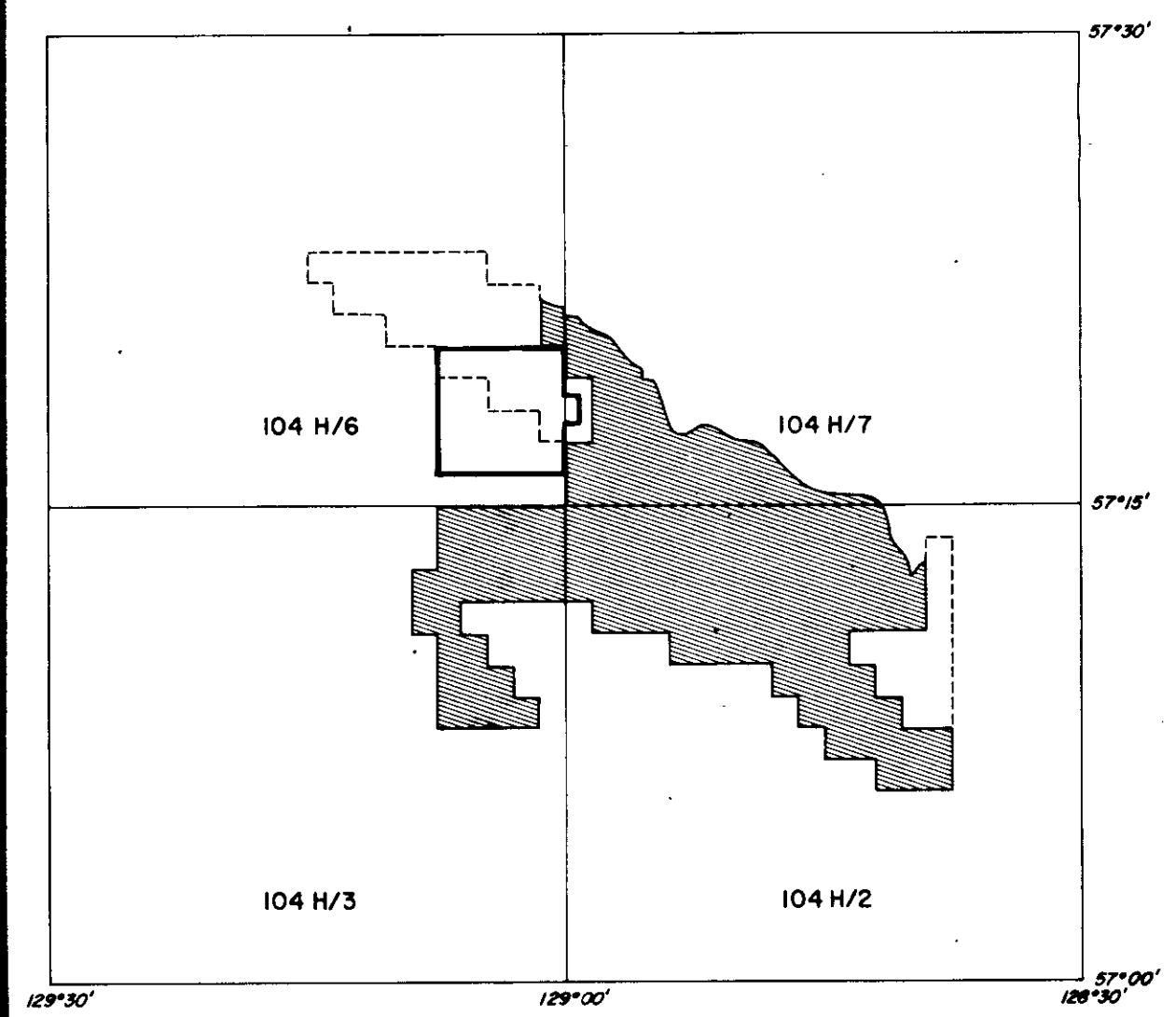
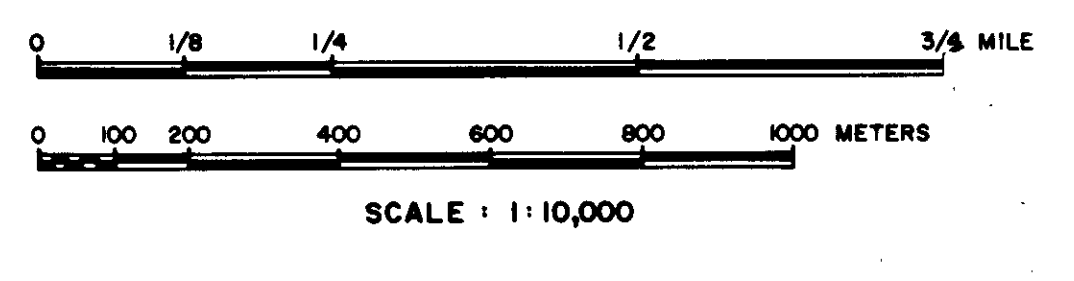
GR - MR. Klappan 82/2/20
GULF CANADA RESOURCES INC.
 Coal Division
 CALGARY ALBERTA

MOUNT KLAPPAN COAL PROPERTY
 MAP SHEET 104 H/6 B
 SUMMIT NORTH
TRENCH & DRILL HOLE LOCATION

PREPARED BY: C. LOUIE
 APPROVED BY: C. WILLIAMS
 DATE: FEB. 1984
 DRAWING No. KPN83773



- LEGEND**
- ROADS AND RELATED FEATURES
 - HARD SURFACE ALL WEATHER
 - LOOSE SURFACE
 - CART TRACK WINTER ROAD UNDER CONSTRUCTION
 - TRAIL CUTLINE PORTAGE
 - BUILT UP AREA
 - RAILWAY SIDING STATION STOP
 - BRIDGE
 - SEAPLANE BASE ANCHORAGE
 - LANDMARK FEATURES
 - HOUSE BARN
 - CHURCH SCHOOL
 - POST OFFICE
 - HISTORICAL SITE
 - TOWERS FIRE RADIO
 - WELL OIL GAS
 - TANK OIL GASOLINE WATER
 - TELEPHONE LINE
 - POWER TRANSMISSION LINE
 - MINE
 - CUTTING EMBANKMENT
 - GRAVEL PIT
 - BOUNDARIES AND CONTROL
 - INTERNATIONAL PROVINCIAL BOUNDARY MONUMENT
 - COUNTY DISTRICT
 - TOWNSHIP PARISH - SURVEYED - UNSURVEYED
 - TOWNSHIP DLS - SURVEYED - UNSURVEYED SECTION CORNERS
 - MUNICIPALITY
 - INDIAN RESERVE PARK ETC
 - HORIZONTAL CONTROL POINT
 - BENCH MARK
 - SPOT ELEVATION ELEVATION APPROXIMATE
 - DRAINAGE AND RELATED FEATURES
 - STREAM SHORELINE INDEFINITE
 - DIRECTION OF FLOW
 - LAKE INTERMITTENT
 - HUNDED FLOODED LAND
 - MARSH OR SWAMP (WOODED)
 - DRY RIVER BED WITH CHANNELS
 - SAND ABOVE WATER
 - STRING BOG
 - TUNDRA PONDS POLYGONS
 - RAPIDS
 - FORESHORE FLATS
 - ROCK
 - DAM
 - WHARF
 - DITCH
 - RELIEF FEATURES
 - CONTOURS
 - APPROXIMATE CONTOUR
 - DEPRESSION
 - ESKER
 - PINGO
 - SAND SAND DUNES
 - PALSA BOG
 - WOODED AREA
 - LICENCE BOUNDARY
 - LICENCE UNDER APPLICATION



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Ge. Mr. Kaban 83/20

GULF CANADA RESOURCES INC.
Coal Division

MOUNT KLAPPAN COAL PROPERTY
MAP SHEET 104 H/6 A 104 H/7 D
SUMMIT NORTH
TRENCH & DRILL HOLE LOCATION

PREPARED BY: C. LOUISE DRAWING No. KPN83T74
APPROVED BY: C. WILLIAMS DATE: FEB. 1984