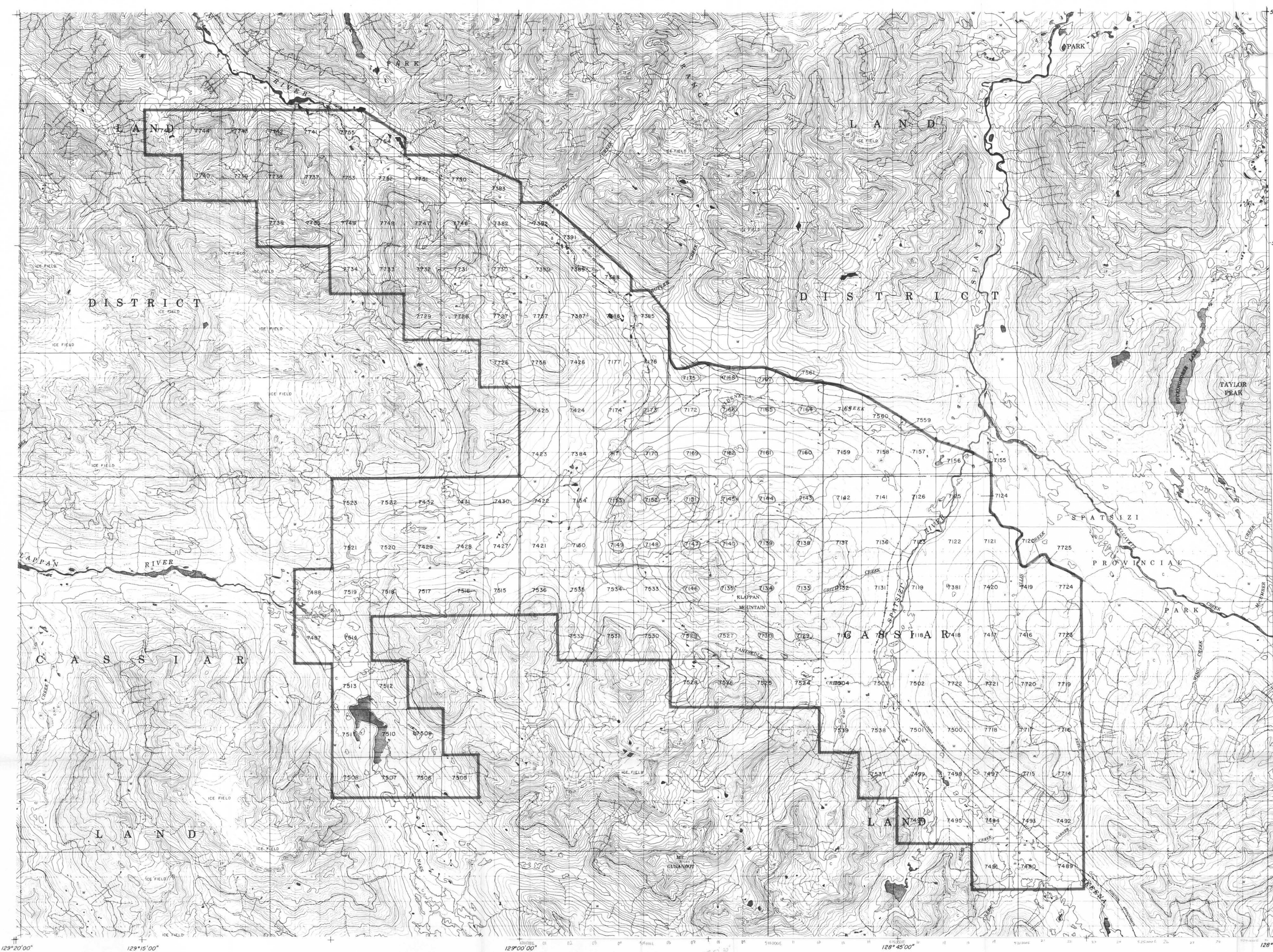


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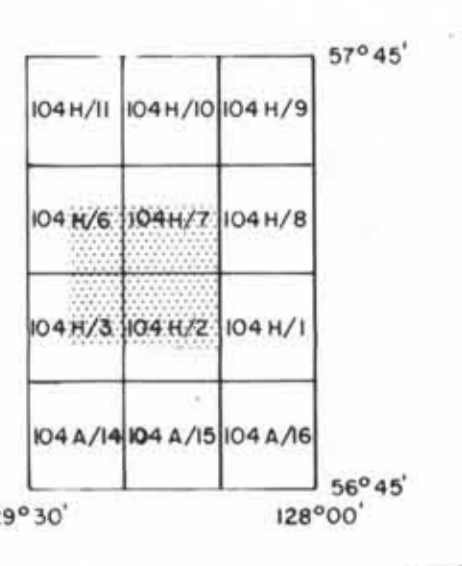
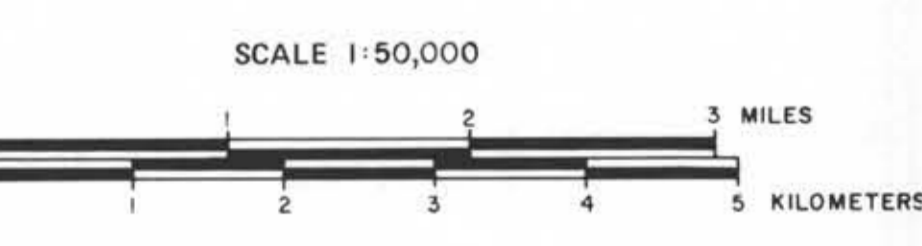
Appendix I



LEGEND

ROADS AND RELATED FEATURES	
HARD SURFACE, ALL WEATHER	—
LOOSE SURFACE	- - -
CART TRACK, WINTER ROAD	- · - · -
UNDER CONSTRUCTION	- · - · - (dashed)
TRAIL, CUTLINE, PORTAGE	- · - · - (dotted)
BUILT UP AREA	▨
RAILWAY, SIGNAL, STATION STOP	— (with symbols)
BRIDGE	— (with arch)
SEAPLANE BASE, ANCHORAGE	— (with anchor)
LANDMARK FEATURES	
HOUSE, BARN	·
CHURCH, SCHOOL	· (with symbols)
POST OFFICE	· (with symbol)
HISTORICAL SITE	· (with symbol)
TOWERS, FIRE TOWER	· (with symbols)
WELL, OIL, GAS	· (with symbols)
TANK, OIL, GASOLINE, WATER	· (with symbols)
TELEPHONE LINE	— (with symbols)
POWER TRANSMISSION LINE	— (with symbols)
MINE	· (with symbol)
CUTTING, EMBANKMENT	— (with symbols)
GRAVEL PIT	· (with symbol)
BOUNDARIES AND CONTROL	
INTERNATIONAL, PROVINCIAL	— (with symbols)
BOUNDARY MONUMENT	· (with symbol)
COUNTY, DISTRICT	— (with symbols)
TOWNSHIP, PARISH — SURVEYED	— (with symbols)
TOWNSHIP, D.L.S. — SURVEYED	— (with symbols)
SECTION, CONSERVATION	— (with symbols)
MUNICIPALITY	— (with symbols)
INDIAN RESERVE, PARK, ETC.	— (with symbols)
HORIZONTAL CONTROL POINT	· (with symbol)
BENCH MARK	· (with symbol)
SPOT ELEVATION, ELEVATION APPROXIMATE	· (with symbol)
DRAINAGE AND RELATED FEATURES	
STREAM, SHOULDER, INDEFINITE	— (with symbols)
DIRECTION OF FLOW	— (with arrows)
LAKE, INTERMITTENT	— (with symbols)
INUNDATED, FLOODED LAND	— (with symbols)
MARSH OR SWAMP, WOODED	— (with symbols)
DRY RIVER BED WITH CHANNELS	— (with symbols)
SAND ABOVE WATER	— (with symbols)
STRANDS, BOLS	— (with symbols)
TUNDRA PONDS, POLYGENS	— (with symbols)
RAPIDS	— (with symbols)
FORESHORE FLATS	— (with symbols)
ROCK	— (with symbols)
DAM	— (with symbols)
WHARF	— (with symbols)
DITCH	— (with symbols)
RELIEF FEATURES	
CONTOURS	— (with symbols)
APPROXIMATE CONTOUR	— (with symbols)
DEPRESSION	— (with symbols)
ESKER	— (with symbols)
PIED	— (with symbols)
SAND, SAND DUNES	— (with symbols)
PALSA BOLS	— (with symbols)
WOODED AREA	— (with symbols)

PROPERTY BOUNDARY ———
 LICENCE BOUNDARY - - - - -
 LICENCE NUMBER 7425



129°20'00" 129°15'00" 129°00'00" 128°45'00" 128°30'00"

709

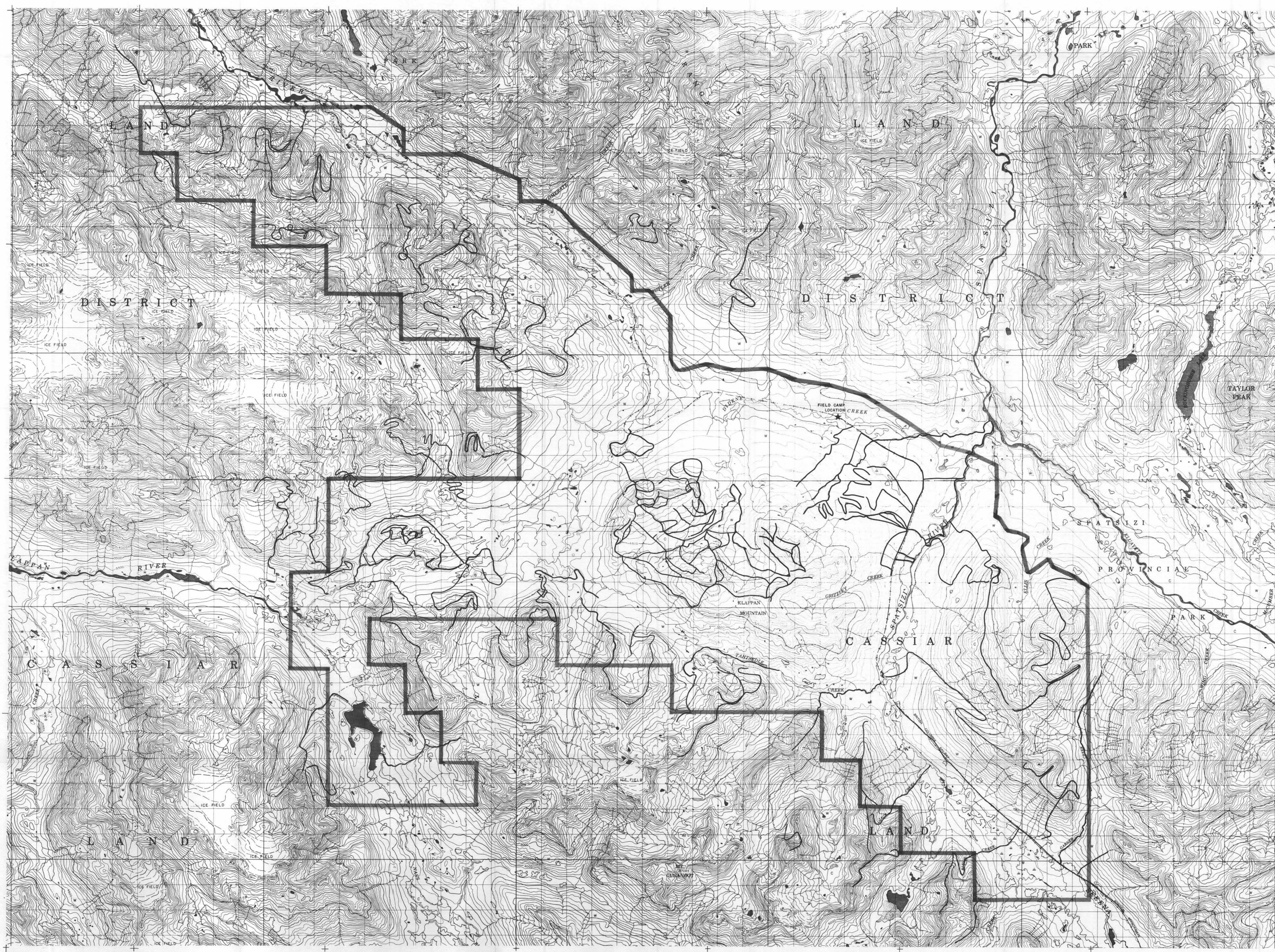
Gr. Mount Klappan Sh. (2)

GULF CANADA RESOURCES INC.
 Coal Division

CALGARY ALBERTA

MOUNT KLAPPAN COAL PROPERTY
1984
COAL LICENCE MAP

PREPARED BY: R. I. DRAWING NO. KPN 54 B01
 APPROVED BY: E. S. V. L. D. G. S. DATE: DEC. 1984



57°25'
57°20'
57°15'
57°10'
57°05'
129°20'00"
129°15'00"
129°00'00"
128°45'00"
128°30'00"



LEGEND

ROADS AND RELATED FEATURES

- HARD SURFACE, ALL WEATHER
- LOOSE SURFACE
- CAST TRACK, WINTER ROAD
- UNDER CONSTRUCTION
- FRONT, OUTLINE, 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
- RAIL
- CUTTING, EMBANKMENT
- GRAVEL PIT

BOUNDARIES AND CONTROL

- INTERNATIONAL, PROVINCIAL, MUNICIPAL BOUNDARY MONUMENT
- COUNTY, DISTRICT
- TOWNSHIP, PARISH - SURVEYED
- TOWNSHIP, DLS - 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
- WATERED FLOODED LAND
- MARSH, CRAMP, WOODS
- DRY RIVER BED WITH CHANNELS
- SAND, ABOVE IN WATER
- STRONG BOG
- TUNDRA POND, POLYDONS
- RAPIDS
- FORESHORE FLATS
- ROCK
- DAM
- WHARF
- DITCH

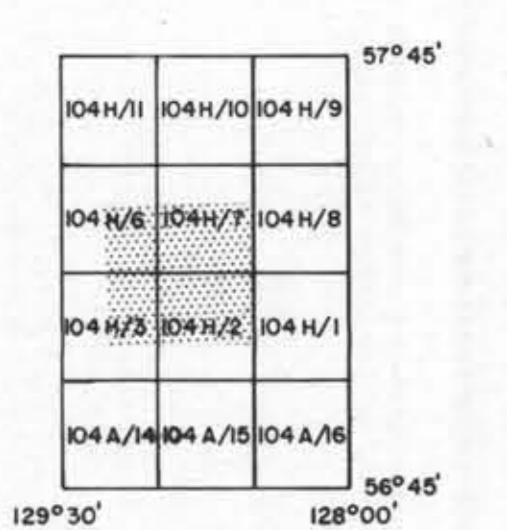
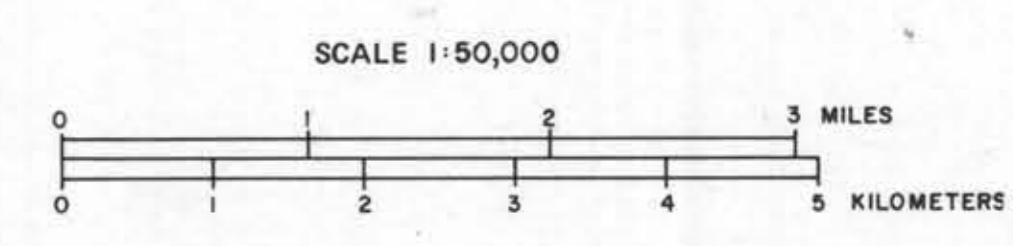
RELIEF FEATURES

- CONTOURS
- APPROXIMATE CONTOUR
- DEPRESSION
- ESKER
- PINGO
- SAND, SAND DUNES
- PALSA BOG
- WOODED AREA

PROPERTY BOUNDARY

TRAVERSE LOCATION

FIELD CAMP LOCATION



709

GR. Mount Klappan 54(2)A

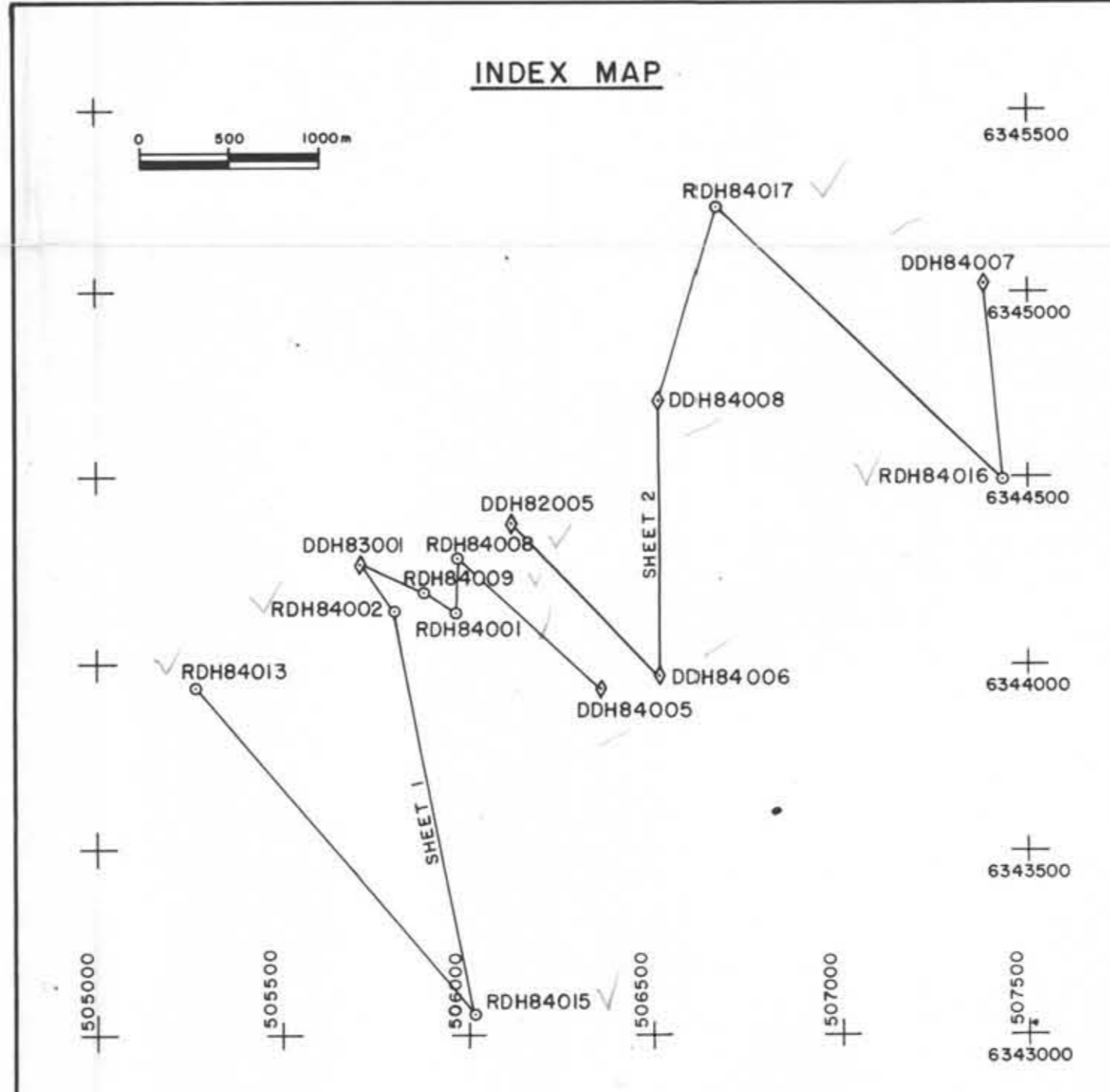
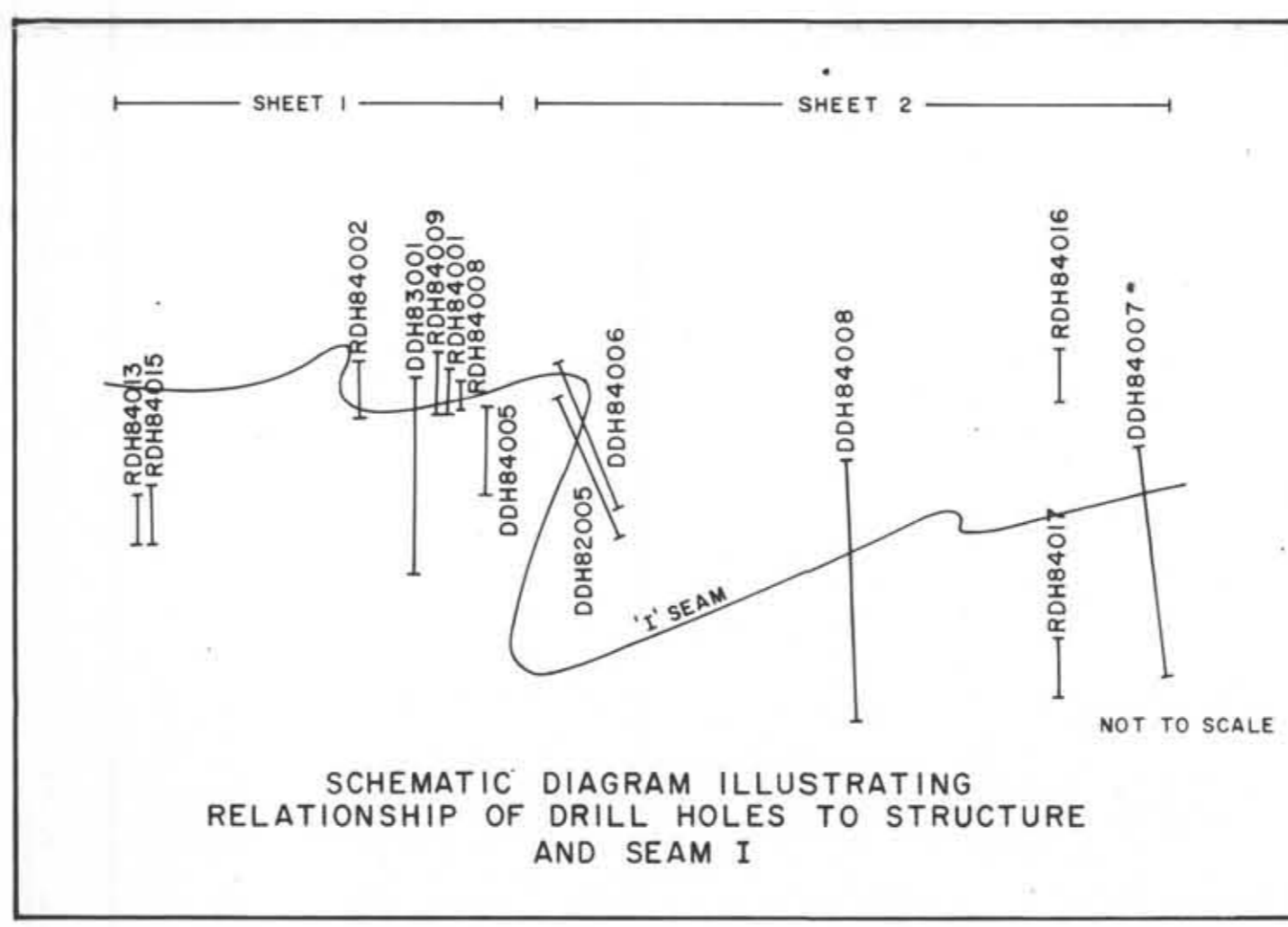
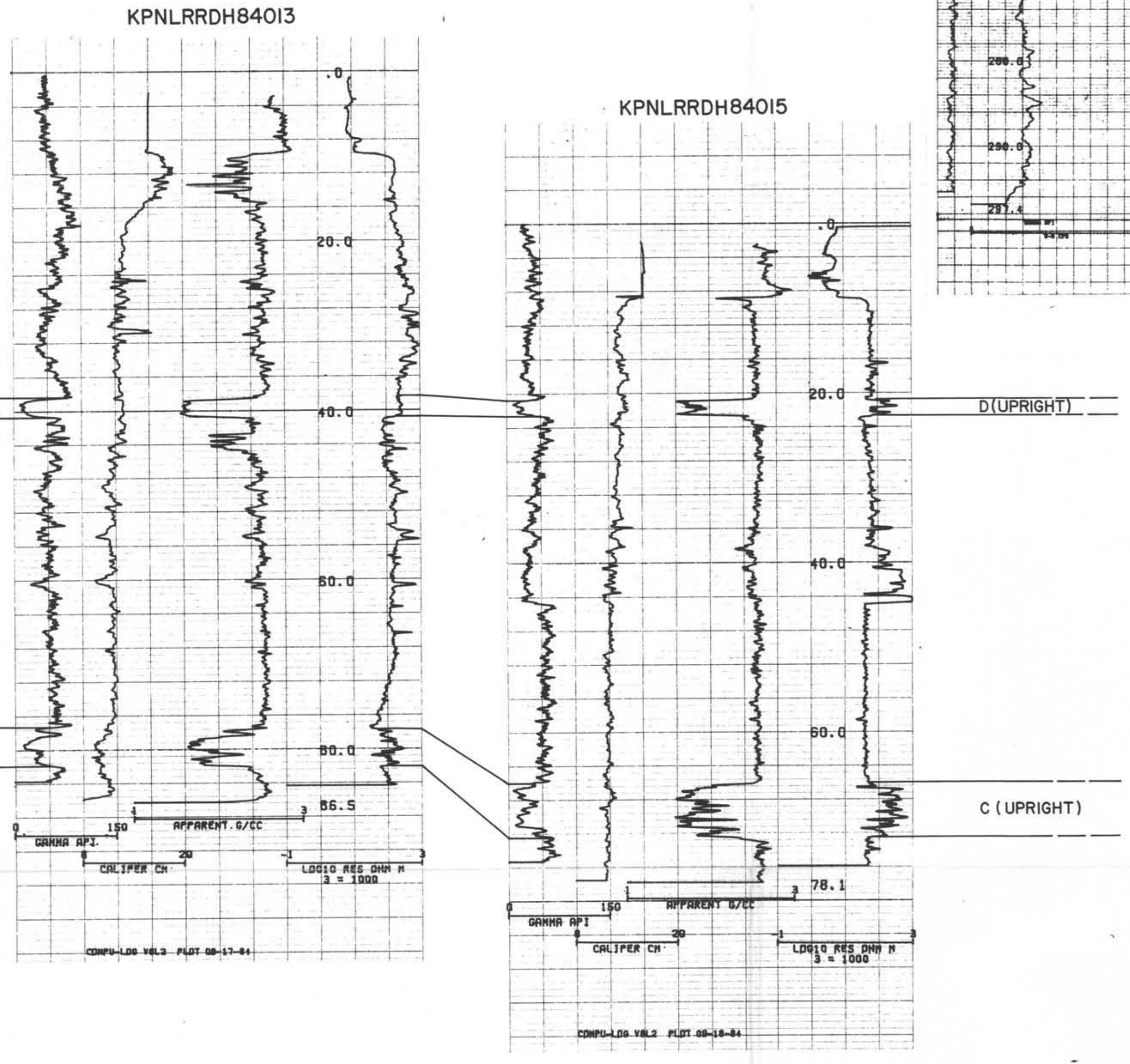
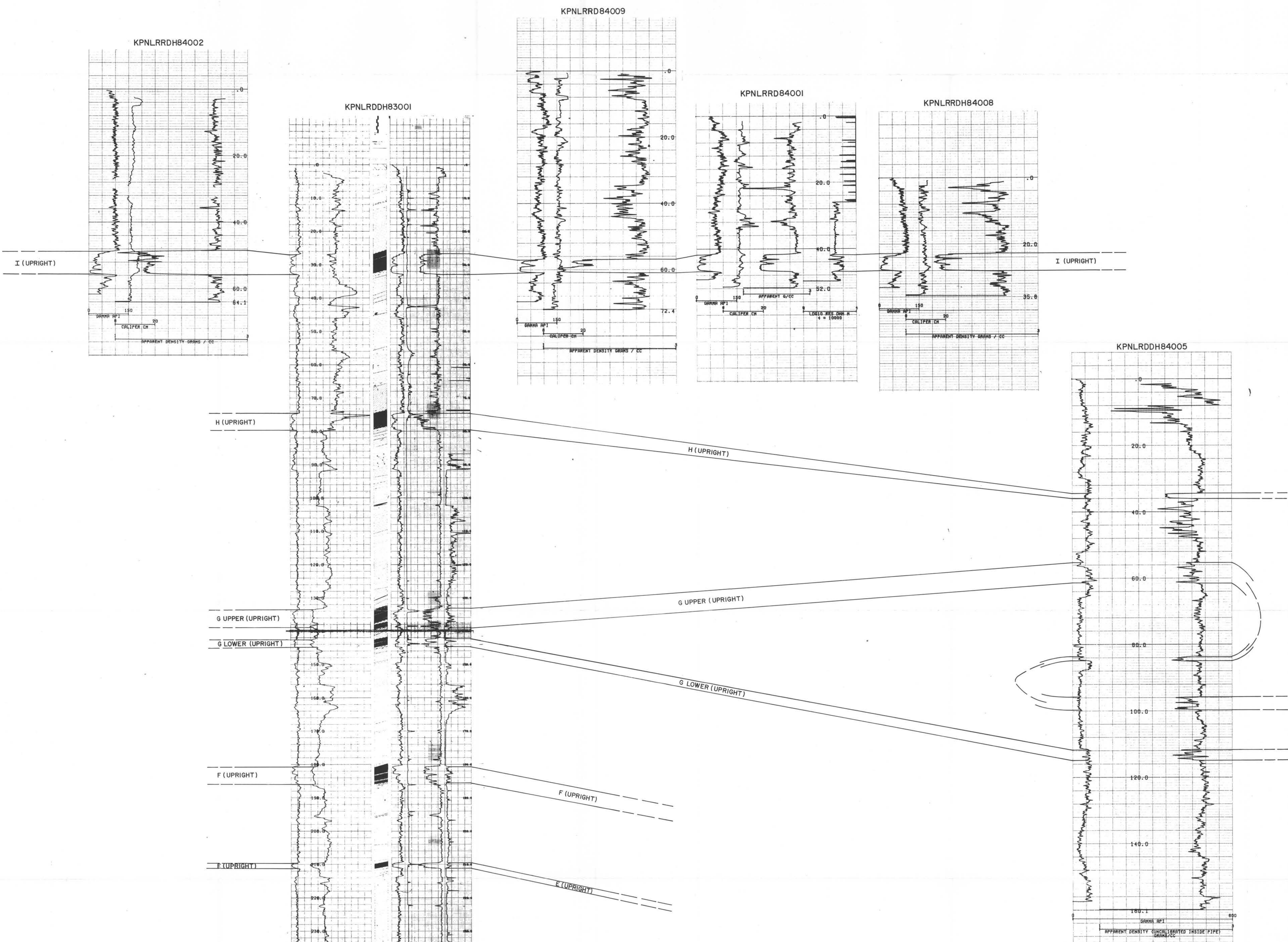
GULF CANADA RESOURCES INC.
Coal Division

CALGARY ALBERTA

MOUNT KLAPPAN COAL PROPERTY

1984 TRAVERSE LOCATION MAP

PREPARED BY: _____ DATE: DEC. 1984 DRAWING No. KPN 84 B02



709

Gulf Canada Resources Inc.

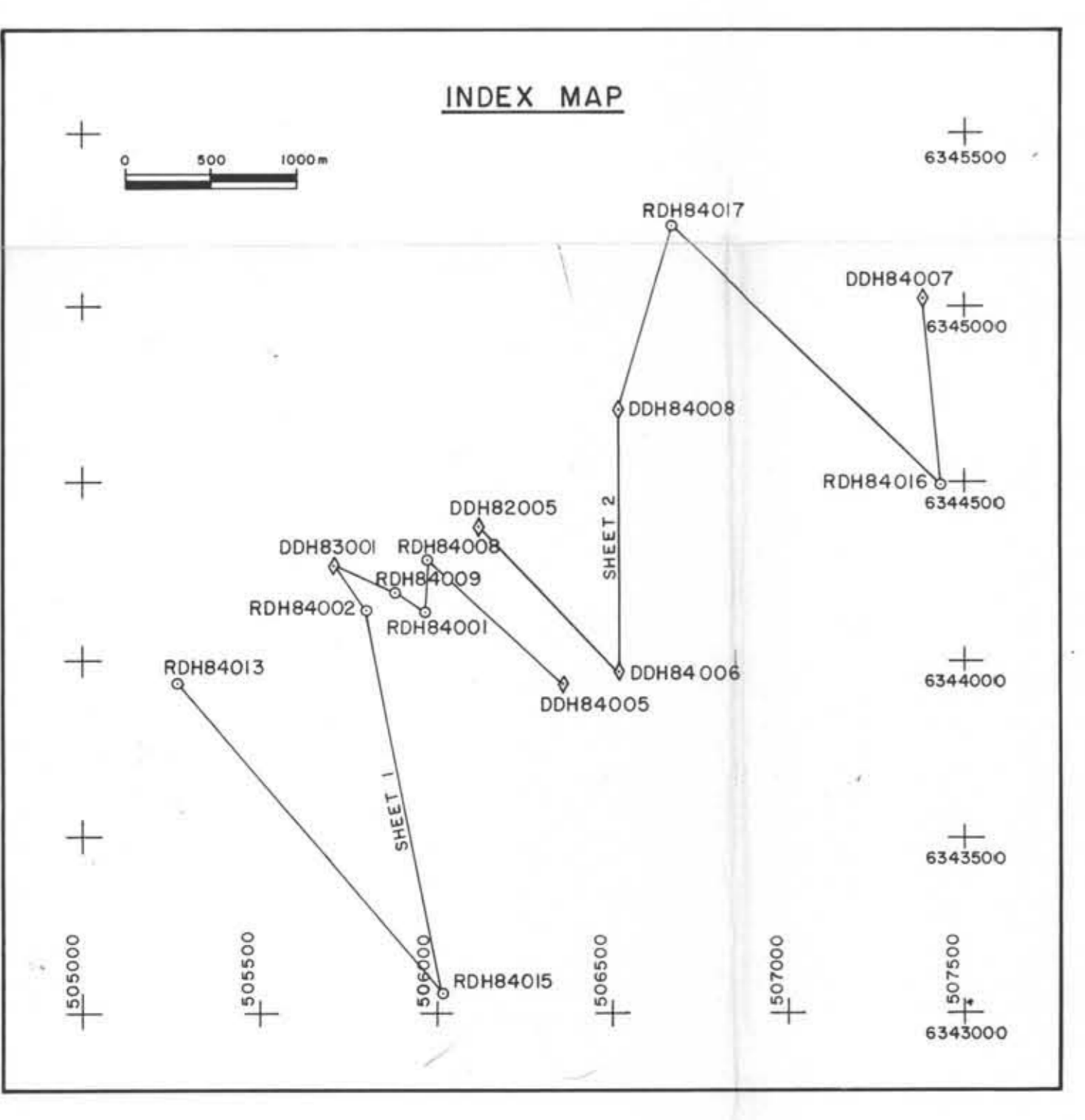
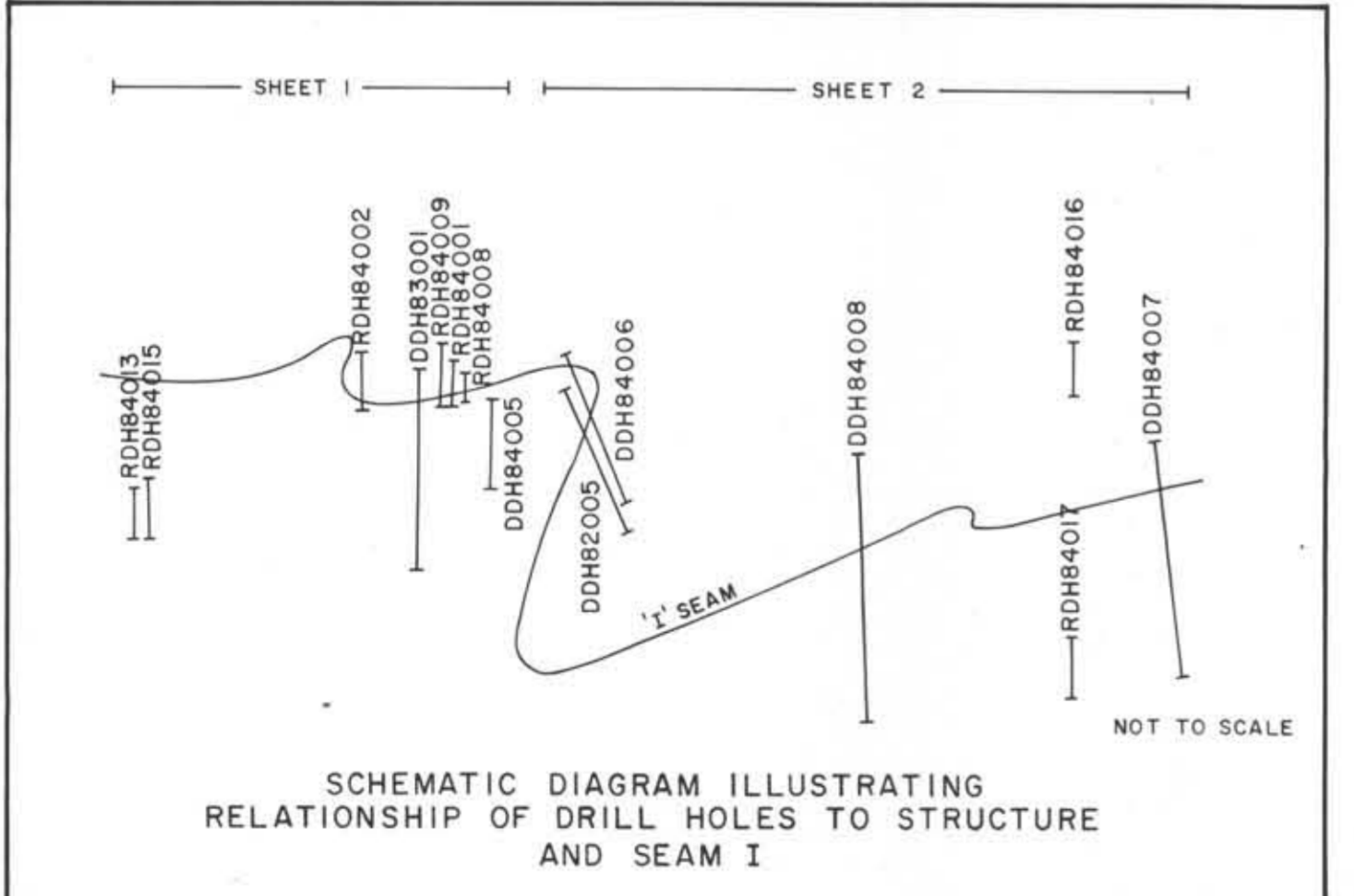
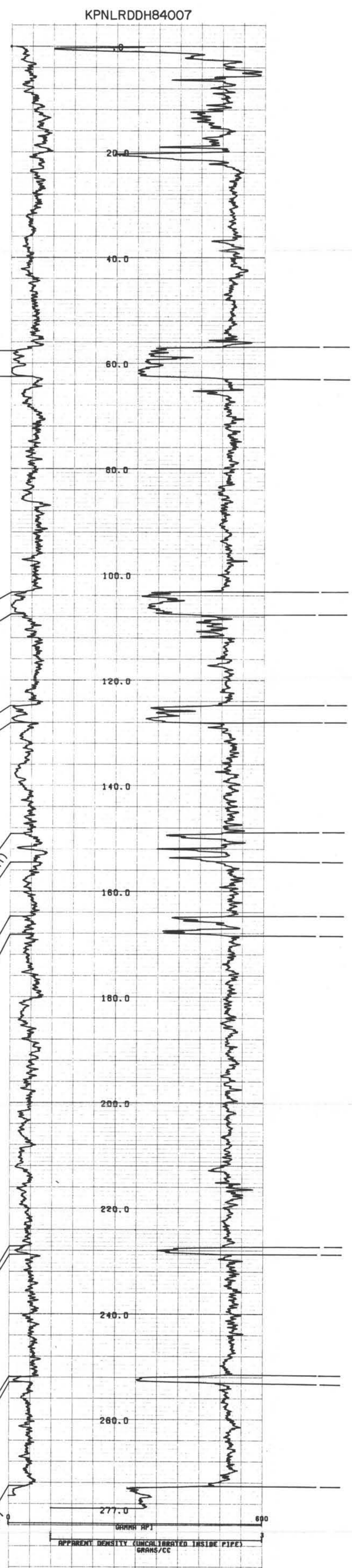
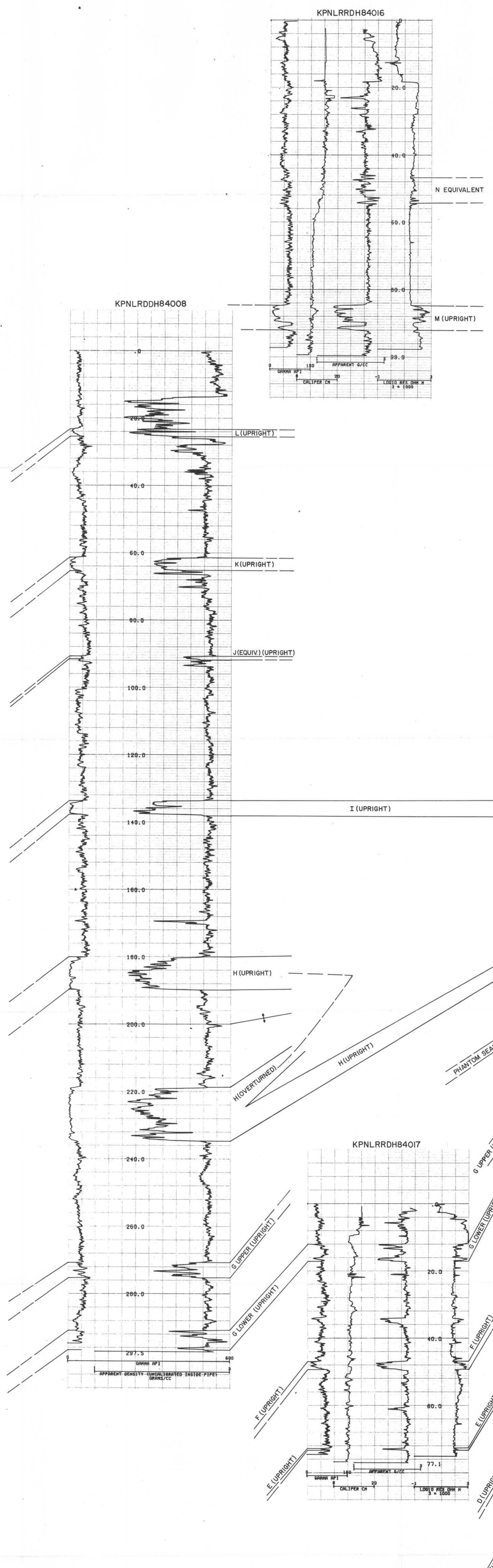
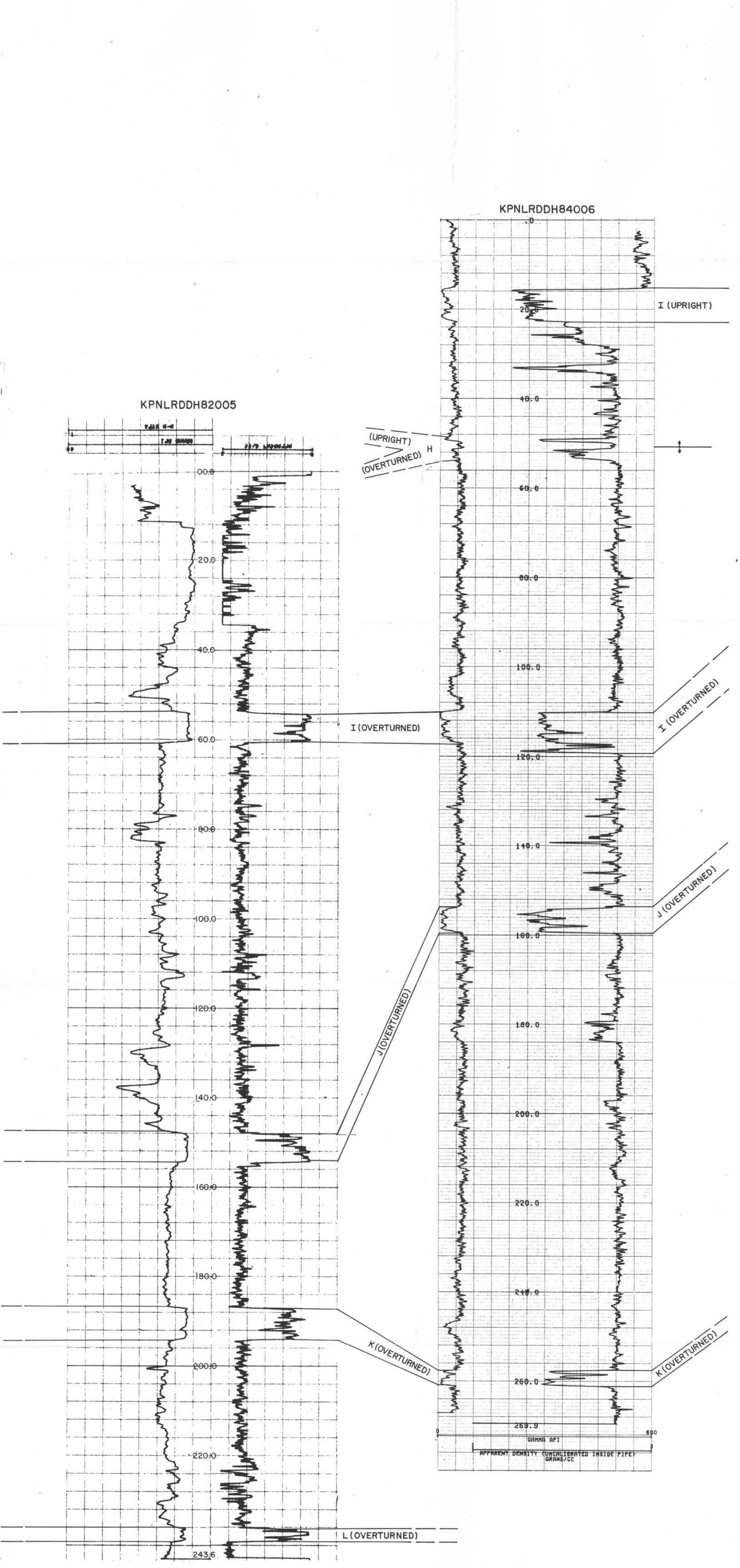
GULF CANADA RESOURCES INC.
Coal Division

MOUNT KLAPPAN COAL PROPERTY
1984
LOST-FOX AREA
GEOPHYSICAL LOG CORRELATION
CHART
SHEET I

SCALE
VERTICAL 1:400
HORIZONTAL N.T.S.

PREPARED BY: V.L. DUFORD
APPROVED BY: V.L. DUFORD

ALBERTA
DATE: JAN. 1985
DRAWING No. KPN84L-F-C01



GR-Mount Klappan 84(2)A

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GULF CANADA RESOURCES INC.
COAL DIVISION
KLAPPAN PROJECT
STRATIGRAPHIC LOG
KPN LR OTC84009

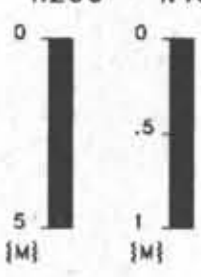
GEOLOGIST : J. THUMULT

DATE : DEC 06/84

DRAWING NO. :

LITHOLOGIC SYMBOLS

SCALE : 1:200 1:40



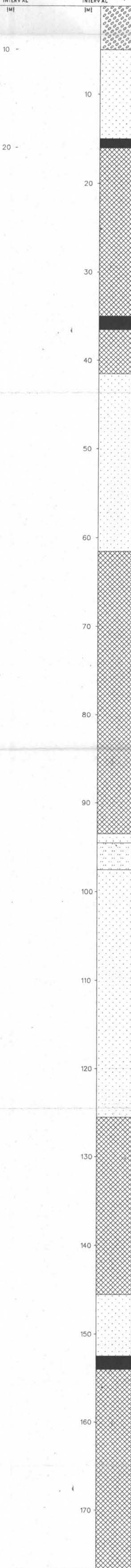
NORTHING: 6344020.0 N
EASTING: 504950.0 E

BEARING: 360.0°

	SANDSTONE		BENTONITE
	SILTSTONE		BRECCIA
	COAL		CARBONACEOUS
	OVERBURDEN		QUARTZ
	MUDSTONE, CLAYSTONE		PYRITE
	TUFF		FERRUGINOUS
	LIMESTONE		CONGLOMERATE
	COVERED		FOSSIL BED

MEASURED INTERVAL

TRUE INTERVAL 1:200



TOTAL: 177.02 TOTAL: 177.02

GR Mount Klappan 84(2)A

709

GULF CANADA RESOURCES INC.
COAL DIVISION
KLAPPAN PROJECT
STRATIGRAPHIC LOG
KPN LR OTCB4010

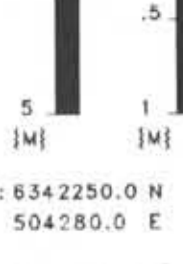
GEOLOGIST : J. THUMULT

DATE : DEC 06/84

DRAWING NO. :

LITHOLOGIC SYMBOLS

SCALE : 1:200 1:40



NORTHING: 6342250.0 N
EASTING: 504280.0 E BEARING: 20.0 °

	SANDSTONE		BENTONITE
	SILTSTONE		BRECCIA
	COAL		CARBONACEOUS
	OVERBURDEN		QUARTZ
	MUDSTONE, CLAYSTONE		PYRITE
	TUFF		FERRUGINOUS
	LIMESTONE		CONGLOMERATE
	COVERED		FOSSIL BED



GR - Mount Klappan 84(2)A

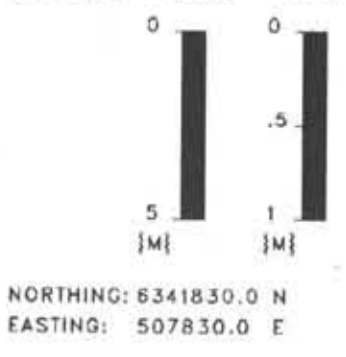
709

GULF CANADA RESOURCES INC.
COAL DIVISION
KLAPPAN PROJECT
STRATIGRAPHIC LOG
KPN LR OTC84011

GEOLOGIST : J. THUMULT

DATE : DEC 06/84

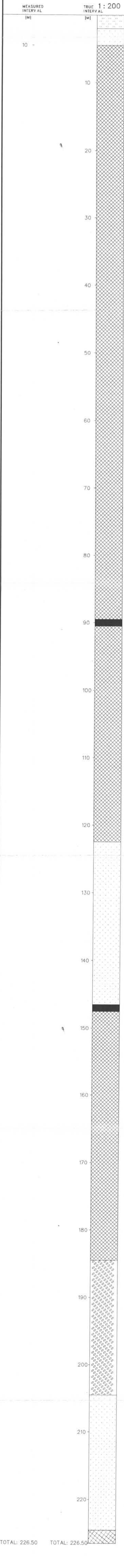
DRAWING NO. :



NORTHING: 6341830.0 N
EASTING: 507830.0 E

LITHOLOGIC SYMBOLS

	SANDSTONE		BENTONITE
	SILTSTONE		BRECCIA
	COAL		CARBONACEOUS
	OVERBURDEN		QUARTZ
	MUDSTONE, CLAYSTONE		PYRITE
	TUFF		FERRUGINOUS
	LIMESTONE		CONGLOMERATE
	COVERED		FOSSIL BED



GR-Mount Klappan 34(2)A

709

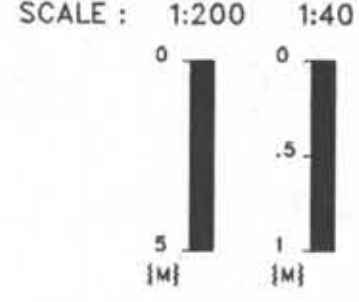
GULF CANADA RESOURCES INC.
COAL DIVISION
KLAPPAN PROJECT
STRATIGRAPHIC LOG
KPN LR OTC84012

GEOLOGIST : J. THUMULT

DATE : DEC 06/84

DRAWING NO. :

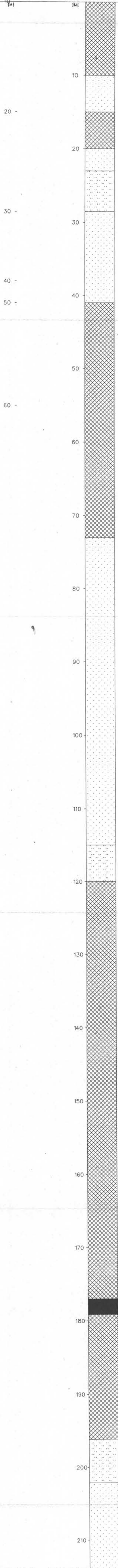
LITHOLOGIC SYMBOLS



NORTHING: 634 2250.0 N
EASTING: 504280.0 E

	SANDSTONE		BENTONITE
	SILTSTONE		BRECCIA
	COAL		CARBONACEOUS
	OVERBURDEN		QUARTZ
	MUDSTONE, CLAYSTONE		PYRITE
	TUFF		FERRUGINOUS
	LIMESTONE		CONGLOMERATE
	COVERED		FOSSIL BED

MEASURED INTERVAL [m] TRUE INTERVAL [m] 1:200



TOTAL: 214.32 TOTAL: 214.32

709

GK-7 Mount Klappan 84(2)P

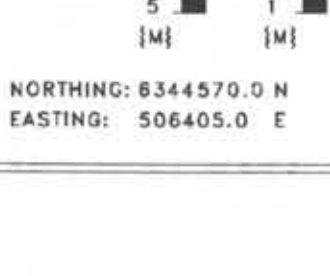
GULF CANADA RESOURCES INC.
COAL DIVISION
KLAPPAN PROJECT
STRATIGRAPHIC LOG
KPN LR 0TCB4013

GEOLOGIST : J. THUMULT

DATE : DEC 06/84

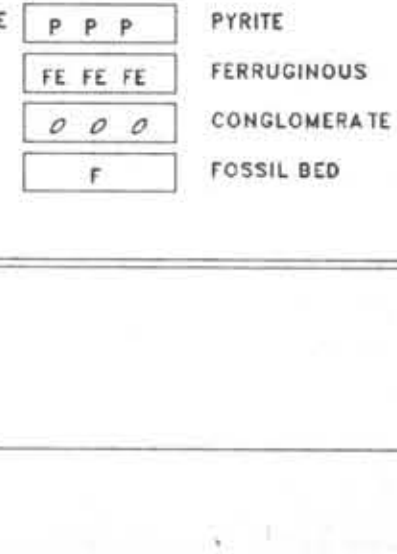
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LITHOLOGIC SYMBOLS

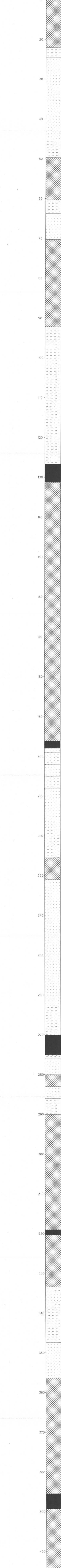


NORTHING: 8344570.0 N
EASTING: 506405.0 E

BEARING: 190.0°



MEASURED INTERVAL [M] TRUE INTERVAL 1:200 [M]



TOTAL: 411.25 TOTAL: 411.25