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5" x11¾"	"	521V—	522V—	523V—	524V—	525V
7" x10½"	"	531V—	532V—	533V—	534V—	535V
9½" x11¾"	"	541V—	542V—	543V—	544V—	545V
9½" x14¾"	"	551V—	552V—	553V—	554V—	555V
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FIGURE 3
ISOPACH
FORT CREEK GROUP
CONTOUR INTERVAL 100 FT.

16 MILES

LEGEND

○ LOCATION	⊕ ABANDONED LOCATION	⊕ SUSPENDED
○ DRILLING	⊕ ABANDONED DRY HOLE	◊ INJECTION WELL
● OIL PRODUCER	⊕ ABANDONED OIL PRODUCER	⊕ ABANDONED WELL WITH OIL
⊕ GAS PRODUCER	⊕ ABANDONED GAS PRODUCER	⊕ ABANDONED WELL WITH GAS
X OUTCROP SECTION	⊕ ABANDONED WELL WITH OIL & GAS	

INDEX MAP

129°00' 128°00' 127°00' 126°00'

66°00'

65°30'

65°00'

64°30'

FORT GOOD HOPE

JACQUES RANGE

WEST VIRGINIA HILLS

McRAE RANGE

GIBSON RANGE

IMPERIAL MOUNTAINS

KELLY RANGE

MACKENZIE MOUNTAINS

DISCOVERY RANGE

NORMAN WELLS

FORT NORMAN

Turton Lake

Mahony Lake

Kelly Lake

Brackett Lake

Tate Lake

Lac Bernard

Carcajou River

Great Bear River

Mackenzie River

Carol Pipeline Road

Gambill Ridge

1200 1100 1000 900 800 700 600 500 400 300

CONTOUR INTERVAL 100 FT.

16 MILES

LEGEND

LOCATION	ABANDONED LOCATION	SUSPENDED
DRILLING	ABANDONED DRY HOLE	INJECTION WELL
OIL PRODUCER	ABANDONED OIL PRODUCER	ABANDONED WELL WITH OIL
GAS PRODUCER	ABANDONED GAS PRODUCER	ABANDONED WELL WITH GAS
OUTCROP SECTION	ABANDONED WELL WITH OIL & GAS	

INDEX MAP

YUKON

N.W.T.

ALASKA

FORT GOOD HOPE

JACQUES RANGE

WEST VIRGINIA HILLS

McRAE RANGE

GIBSON RANGE

Turton Lake

KELLY RANGE

IMPERIAL MOUNTAINS

Mahony Lake

Kelly Lake

DISCOVERY RANGE

NORMAN WELLS

MACKENZIE MOUNTAINS

Brackett Lake

RIVER

ROAD

PIPELINE

CANOL

Great Bear

FORT NORMAN

GAMBELL RANGE

Tate Lake

Stuart Lake

66°00'

65°30'

65°00'

64°30'

129°00'

128°00'

127°00'

126°00'

1200 1100 1000 900 800 700 600 500 400 300

2 OF 2

FIGURE 5

ISOPACH

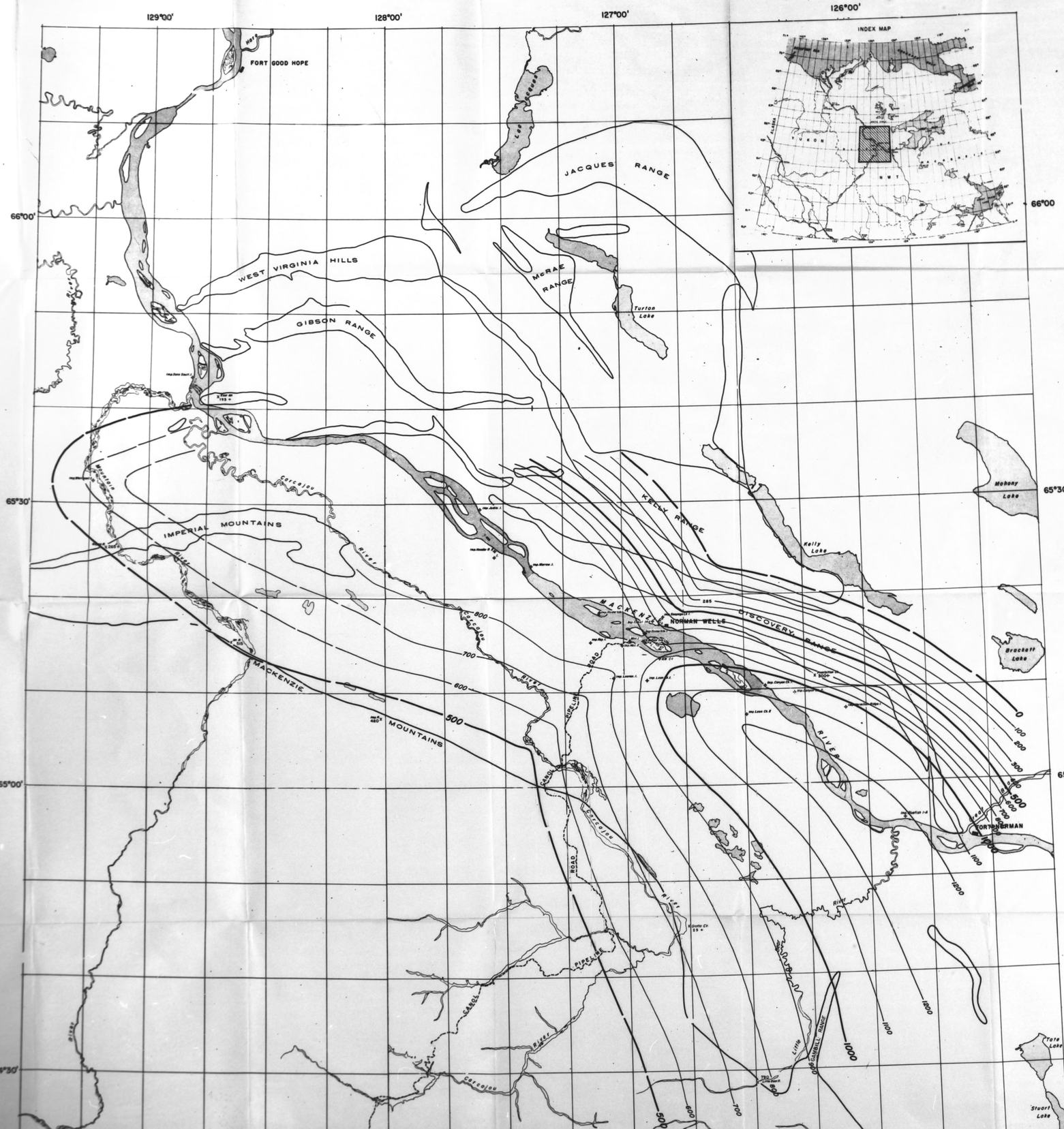
BEAR ROCK FM.

CONTOUR INTERVAL 100 FT.

16 MILES

LEGEND

○ LOCATION	⊘ ABANDONED LOCATION	⊖ SUSPENDED
○ DRILLING	✧ ABANDONED DRY HOLE	◊ INJECTION WELL
● OIL PRODUCER	⊘ ABANDONED OIL PRODUCER	⊘ ABANDONED WELL WITH OIL
⊛ GAS PRODUCER	⊛ ABANDONED GAS PRODUCER	⊠ ABANDONED WELL WITH GAS
✕ OUTCROP SECTION	⊠ ABANDONED WELL WITH OIL & GAS	



GAYNA RIVER (PR-2-59-2&3)
SW 1/4 56. 65°30'N - 129°00'W

MOUNTAIN RIVER (PR-2-59-203)
SW 1/4 46. 65°20'N. 120°30' W

IMPERIAL RIVER (PR-2-59-6)
NW. 1/4-37. 65°10'N-127°45'W

GROTTO CREEK (PR-15-58-7)
64°45'N 126°47'W

LITTLE BEAR RIVER (PR-2-59-105)
NW 1/4-79. 64°30'N - 126°15'W

CRETACEOUS

Present But Not Measured

DEVONIAN
(Imperial Fm.)

DEVONIAN
(Imperial Fm.)

FORT CREEK GP

FORT GREEK GP

Top Of Measured Section

Base Of Measured Section

Hume Fm.

Bear Rock Fm.

SILURIAN–
ORDOVICIAN
(Ronning Fm.)

GEOLOGICAL CORRELATION SECTION

DEVONIAN

DATUM: TOP OF HUME FM.

VERTICAL SCALE: 1 INCH TO 100 FT.
HORIZONTAL SCALE: NONE

FIG. 7

TO ACCOMPANY REPORT:
Surface Geology Of The
Norman Wells Area, By
R.A. Mendley & B. Patsch

GEOLOGICAL CORRELATION SECTION

DEVONIAN

DATUM: TOP OF HUME FM.

VERTICAL SCALE: 1 INCH TO 100 FT.
HORIZONTAL SCALE: NONE

FIG. 7

TO ACCOMPANY REPORT:
Surface Geology Of The
Norman Wells Area By
R.A. Meneley & B. Patsch

FORT CREEK GP.

Hume Fm.

Bear Rock Fm.

SILURIAN–
ORDOVICIAN
(Ronning Fm.)

Top Of Measured Section

Base Of Measured Section

Top Of Measured Section

Top Of Measured Section

Base Of Measured Section

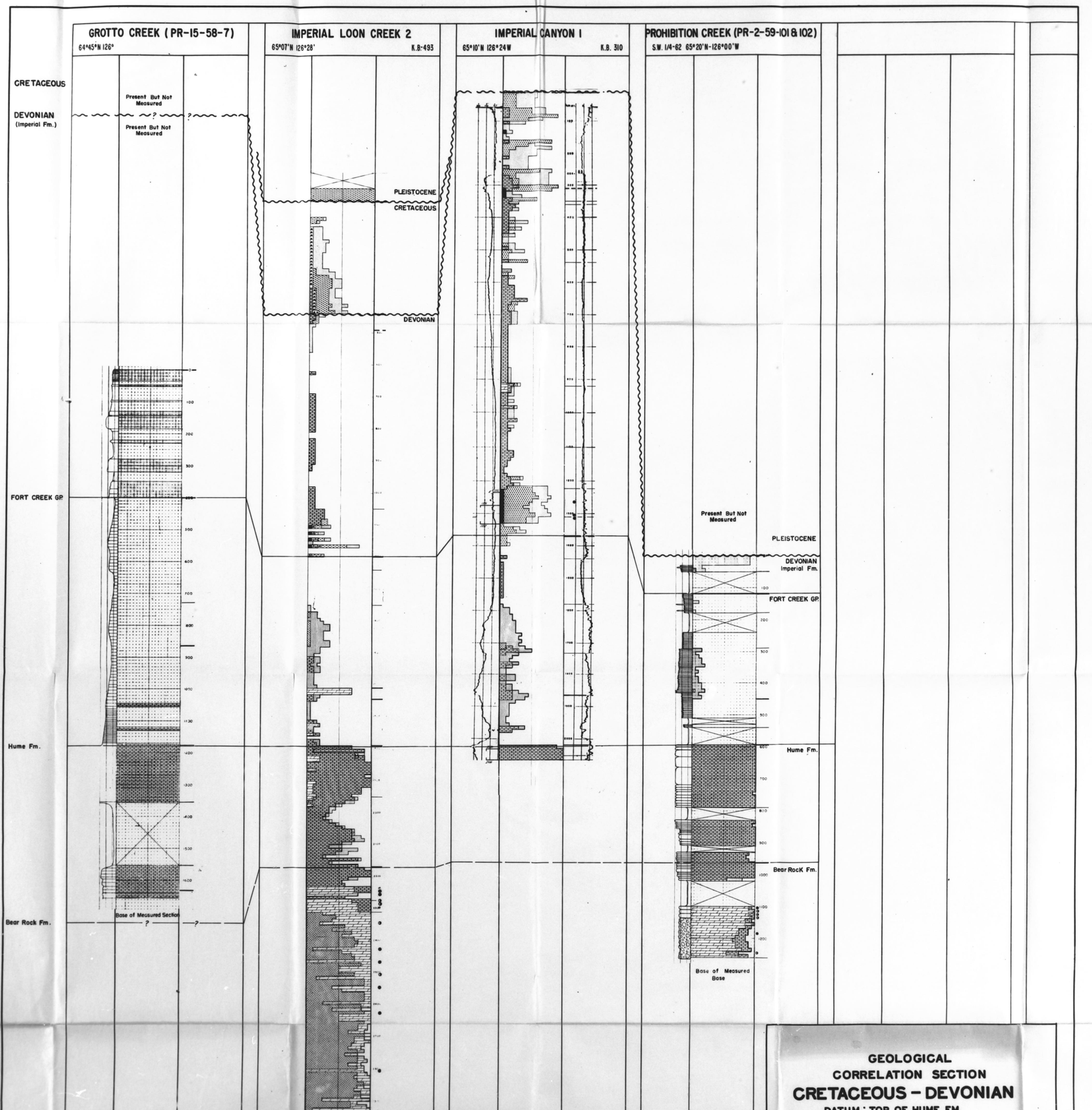
Top Of Measured Section

FORT GREEK GP.

Hume Fm.

Bear Rock Fm.

SILURIAN–
ORDOVICIAN
(Ronning Fm.)



GEOLOGICAL
CORRELATION SECTION
CRETACEOUS – DEVONIAN
DATUM : TOP OF HUME FM.

1 OF 2

DEVONIAN

FORT CREEK GP.

Hume Fm.

Bear Rock Fm.

Base of Measured Section

?

?

SILURIAN–
ORDOVICIAN
(Ronning Fm.)

Present But Not
Measured

PLEISTOCENE

DEVONIAN
Imperial Fm.

FORT CREEK GP.

Hume Fm.

Bear Rock Fm.

Base of Measured
Base

?

?

?

?

?

SILURIAN–
ORDOVICIAN
(Ronning Fm.)

GEOLOGICAL
CORRELATION SECTION

CRETACEOUS – DEVONIAN

DATUM : TOP OF HUME FM.

VERTICAL SCALE : 1 INCH TO 100 FT.
HORIZONTAL SCALE : NONE

FIG. 6

TO ACCOMPANY REPORT:
Surface Geology Of The
Norman Wells Area By
R.A. Meneley & B. Patsch

2 OF 2

FIGURE 4

ISOPACH

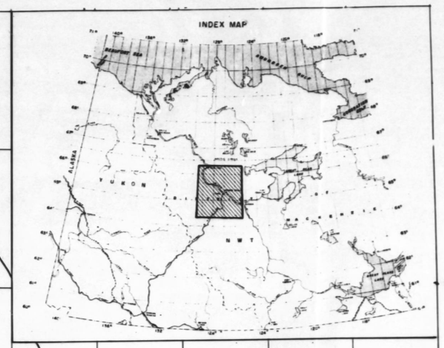
HUME FM.

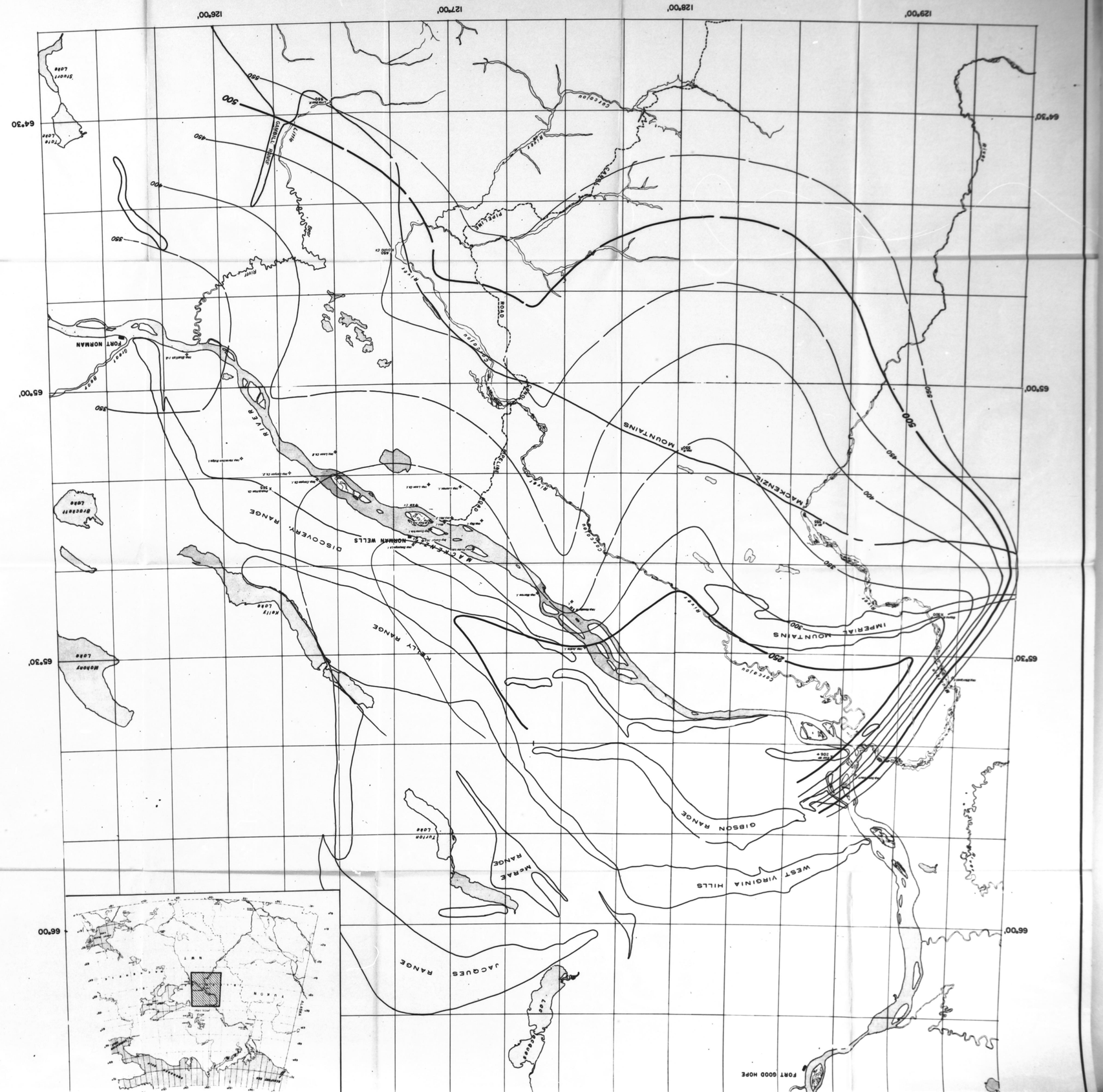
CONTOUR INTERVAL 50 FT.

16 MILES

LEGEND

○ LOCATION	⊘ ABANDONED LOCATION	⊕ SUSPENDED
○ DRILLING	✧ ABANDONED DRY HOLE	◊ INJECTION WELL
● OIL PRODUCER	⊘ ABANDONED OIL PRODUCER	⊘ ABANDONED WELL WITH OIL
✿ GAS PRODUCER	✿ ABANDONED GAS PRODUCER	✖ ABANDONED WELL WITH GAS
✖ OUTCROP SECTION	✖ ABANDONED WELL WITH OIL & GAS	




126°00'
127°00'
128°00'
129°00'
64°30'
65°00'
65°30'
66°00'
MACKENZIE MOUNTAINS
IMPERIAL MOUNTAINS
DISCOVERY RANGE
KELLY RANGE
MOHORY LAKES
MCRAE RANGE
GIBSON RANGE
WEST VIRGINIA HILLS
JACQUES RANGE
FORT GOOD HOPE
FORT NORMAN
NORMAN WELLS
ROAD
RIVER
PIPE LINE
CANOL
LEGEND
16 MILES
LOCATION
DRILLING
OIL PRODUCER
GAS PRODUCER
ABANDONED LOCATION
ABANDONED DRY HOLE
ABANDONED OIL PRODUCER
ABANDONED GAS PRODUCER
ABANDONED WELL WITH OIL & GAS
SUSPENDED
INJECTION WELL
ABANDONED WELL WITH OIL
ABANDONED WELL WITH GAS
OUTCROP SECTION

DEVONIAN

DATUM

Micritic Limestone Unit

Bluefish Dolomite Unit

Banded Dolomite Unit

Primary Dolomite Unit

FIRST CANYON (2-59-9,10,11,12)

S.W. 1/4-27 61°20'N. 124°15'W.

CLEFT CREEK (PR-2-59-207)

N.W. 1/4-31 62°00'N 124°15'W.

BASE OF MEASURED SECTION

PARADOX CREEK 'B' (PR-2-59-208'B')

S.W. 1/4-27 61°40'N. 123°45'W.

? DEVONIAN PRESENT BUT NOT MEASURED

BASE OF MEASURED SECTION

RED ROCK PASS (PR-2-59-108)

S.W. 1/4-24 61°50'N. 123°15'W.

? DEVONIAN PRESENT BUT NOT MEASURED

BLUEFISH LAKE (PR-2-59-8)

S.W. 1/4-22 61°20' N. 123°15'W.

? DEVONIAN PRESENT BUT NOT MEASURED

? DEVONIAN

TOP OF MEASURED SECTION

Micritic Limestone Unit

Bluefish Dolomite Unit

Banded Dolomite Unit

Primary Dolomite Unit

Sandy Dolomite Unit

BASE OF MEASURED SECTION

SIL. U. CAMBRIAN

11 OF 2

GEOLOGICAL CORRELATION SECTION DEVONIAN - UPPER CAMBRIAN

DATUM

Micritic Limestone Unit

Bluefish Dolomite Unit

Banded Dolomite Unit

Primary Dolomite Unit

Sandy Dolomite Unit

SIL. U. CAMBRIAN (Running Fm.)

BASE OF MEASURED SECTION

? DEVONIAN PRESENT BUT NOT MEASURED

BASE OF MEASURED SECTION

? DEVONIAN PRESENT BUT NOT MEASURED

TOP OF MEASURED SECTION

Micritic Limestone Unit

Bluefish Dolomite Unit

Banded Dolomite Unit

Primary Dolomite Unit

Sandy Dolomite Unit

BASE OF MEASURED SECTION

SIL. U. CAMBRIAN

GEOLOGICAL CORRELATION SECTION
DEVONIAN - UPPER CAMBRIAN

VERTICAL SCALE - 1 INCH TO 200 FT.
HORIZONTAL SCALE - NONE

FIG. 8

FIGURE 6

ISOPACH

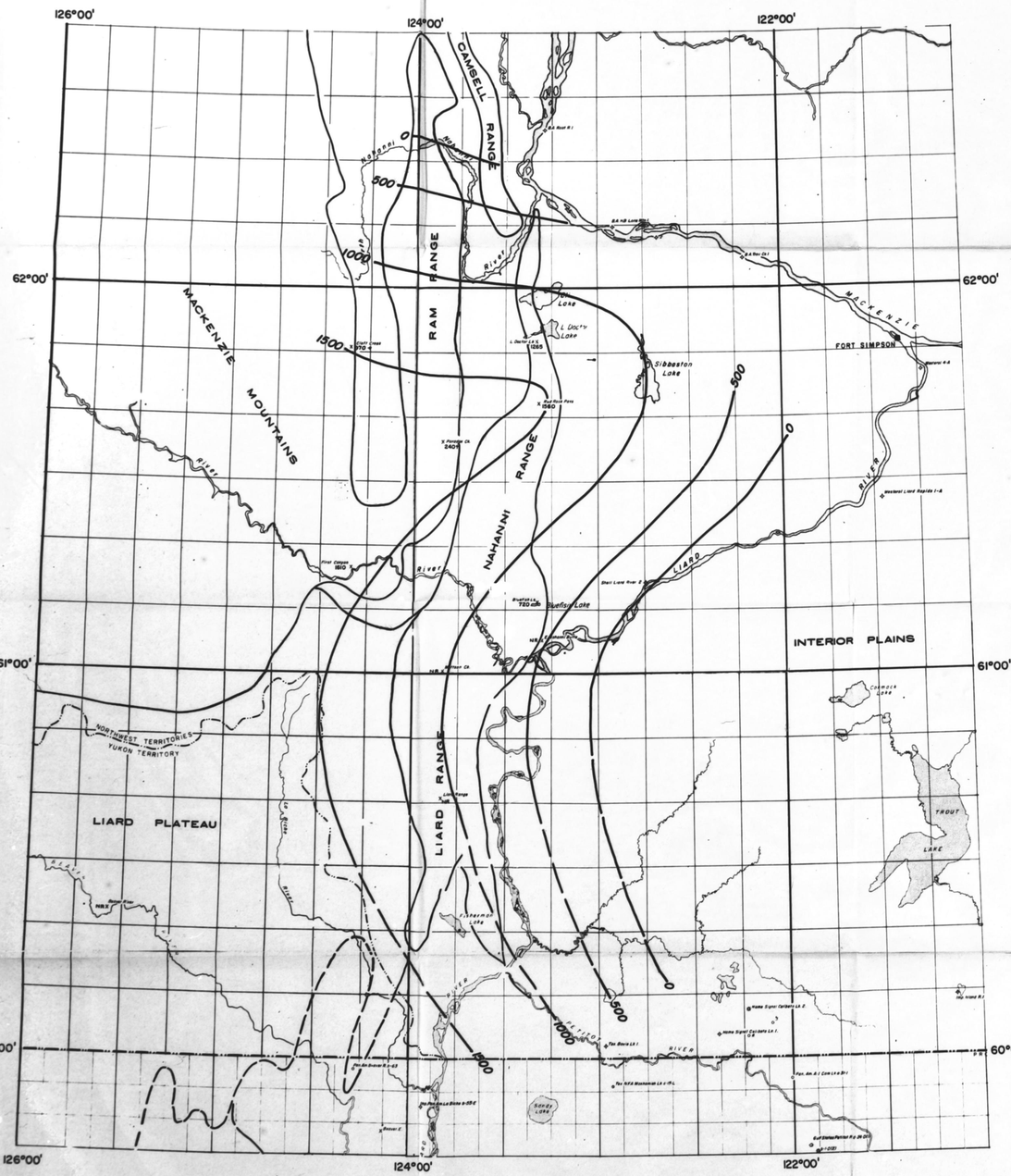
BANDED DOLOMITE UNIT

CONTOUR INTERVAL – 500 FT.

32 MILES

LEGEND

○ LOCATION	⊘ ABANDONED LOCATION	⊖ SUSPENDED
⊕ DRILLING	⊹ ABANDONED DRY HOLE	◊ INJECTION WELL
● OIL PRODUCER	⊘ ABANDONED OIL PRODUCER	⊘ ABANDONED WELL WITH OIL
✲ GAS PRODUCER	✲ ABANDONED GAS PRODUCER	✕ ABANDONED WELL WILL GAS
x OUTCROP SECTION	✕ ABANDONED WELL WITH OIL & GAS	



To accompany report: 'Surface Geology of the South Nahanni area between Petitot River, Lat. 60°00', and Cli Lake, Lat. 62°00'. By R. A. Mansley — PRE-59

FIGURE 5

ISOPACH

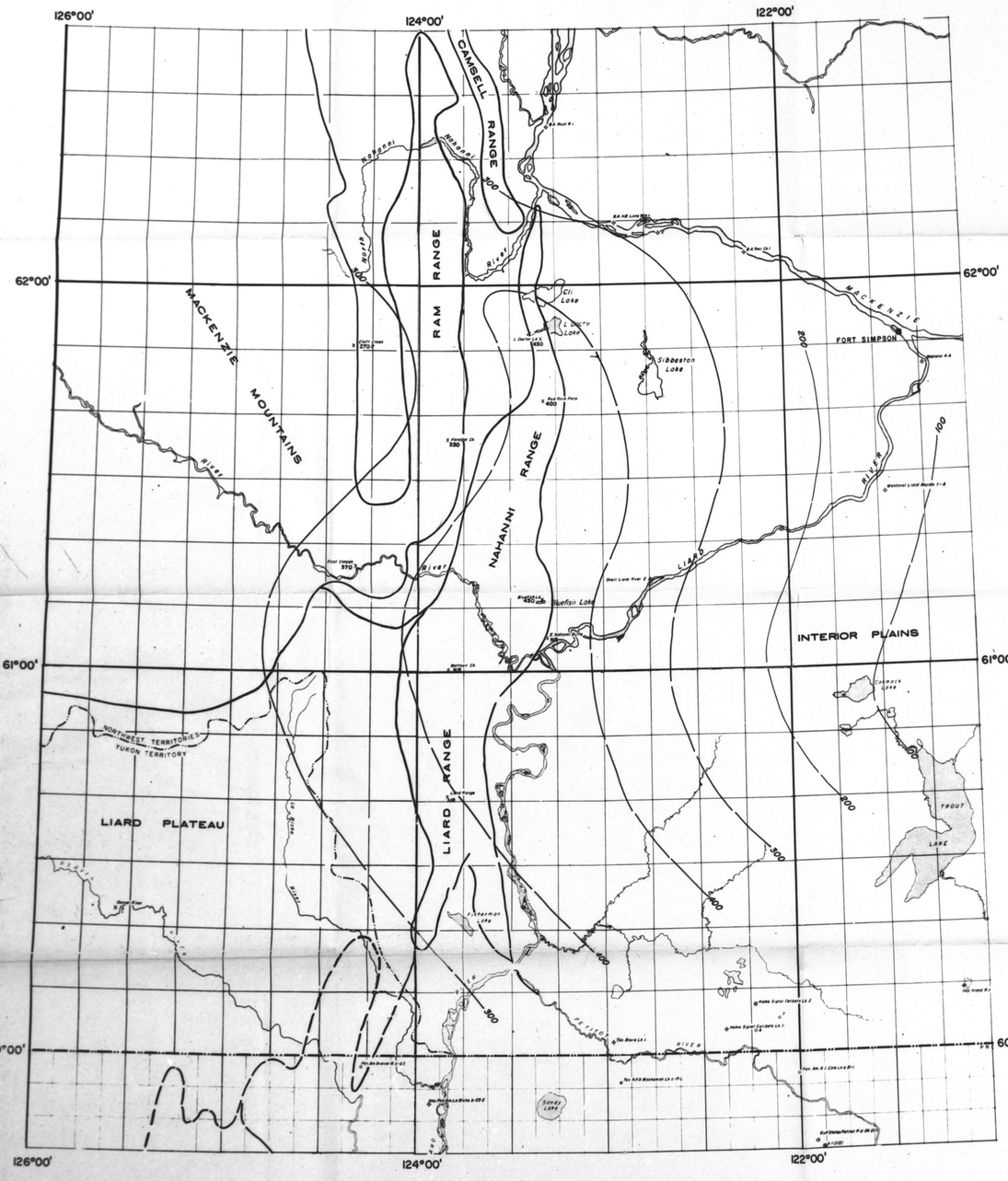
BLUEFISH DOLOMITE UNIT

CONTOUR INTERVAL – 100 FT.

32 MILES

LEGEND

○ LOCATION	⊘ ABANDONED LOCATION	⊖ SUSPENDED
⊕ DRILLING	⊹ ABANDONED DRY HOLE	⊖ INJECTION WELL
● OIL PRODUCER	⊘ ABANDONED OIL PRODUCER	⊘ ABANDONED WELL WITH OIL
✲ GAS PRODUCER	✲ ABANDONED GAS PRODUCER	✲ ABANDONED WELL WILL GAS
▲ OUTCROP SECTION	✲ ABANDONED WELL WITH OIL & GAS	



To accompany report: Surface Geology of the South Nahanni area between Petitot River, Lat. 60°00', and Cli Lake, Lat. 62°00': By R. A. Mansley — PAE-59

FIGURE 4

ISOPACH

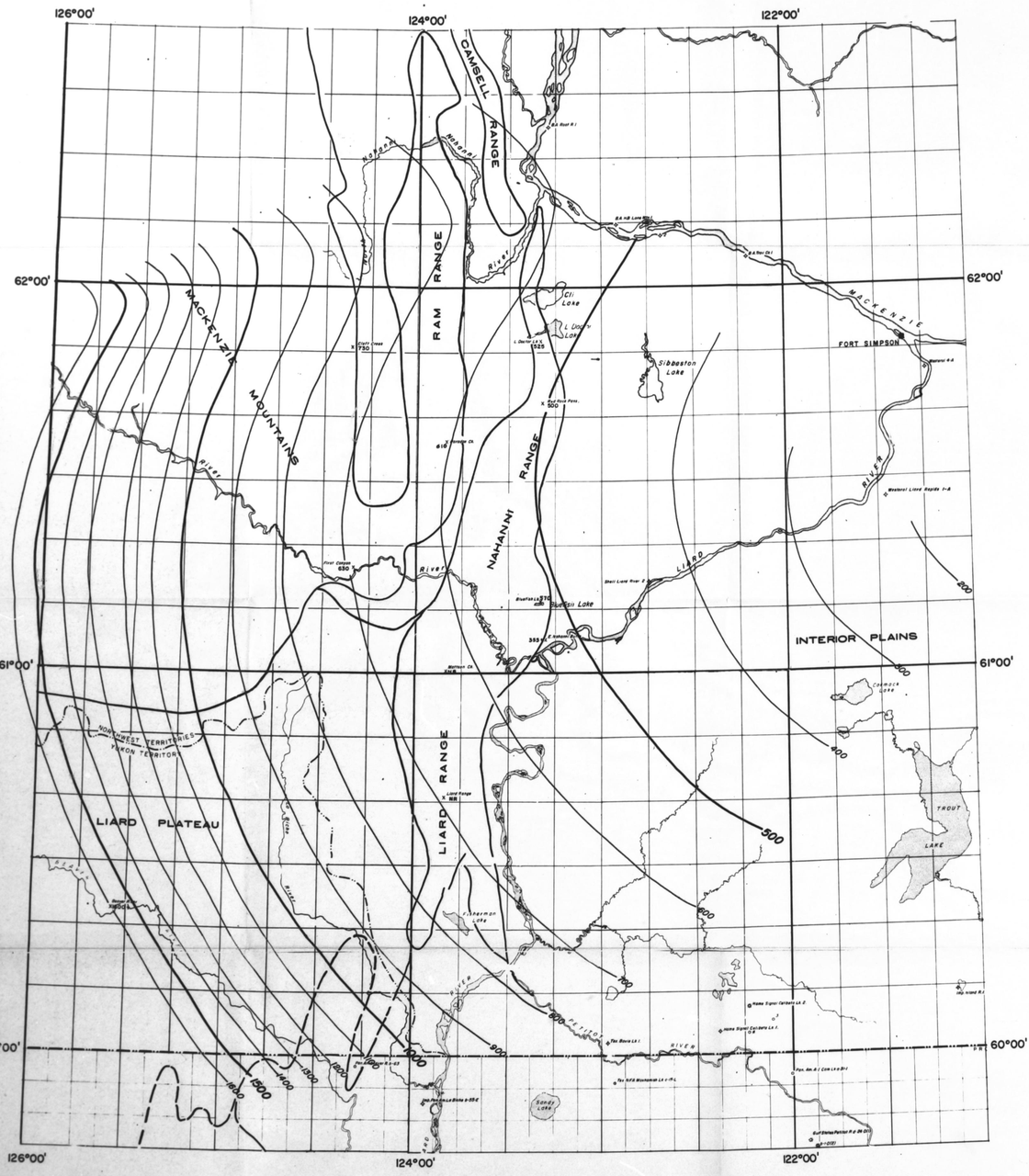
MICRITIC LIMESTONE UNIT

CONTOUR INTERVAL – 100 FT.

32 MILES

LEGEND

○ LOCATION	⊘ ABANDONED LOCATION	⊕ SUSPENDED
⊕ DRILLING	⊹ ABANDONED DRY HOLE	◊ INJECTION WELL
● OIL PRODUCER	⊘ ABANDONED OIL PRODUCER	⊘ ABANDONED WELL WITH OIL
✲ GAS PRODUCER	✱ ABANDONED GAS PRODUCER	✖ ABANDONED WELL WILL GAS
x OUTCROP SECTION	✖ ABANDONED WELL WITH OIL & GAS	



To accompany report: Surface Geology of the South Nahanni area between Petitot River, Lat. 60°00', and Cli Lake, Lat. 62°00'. By R. A. Mansley — PR2-59

Part B 1183

FIGURE 3

ISOPACH

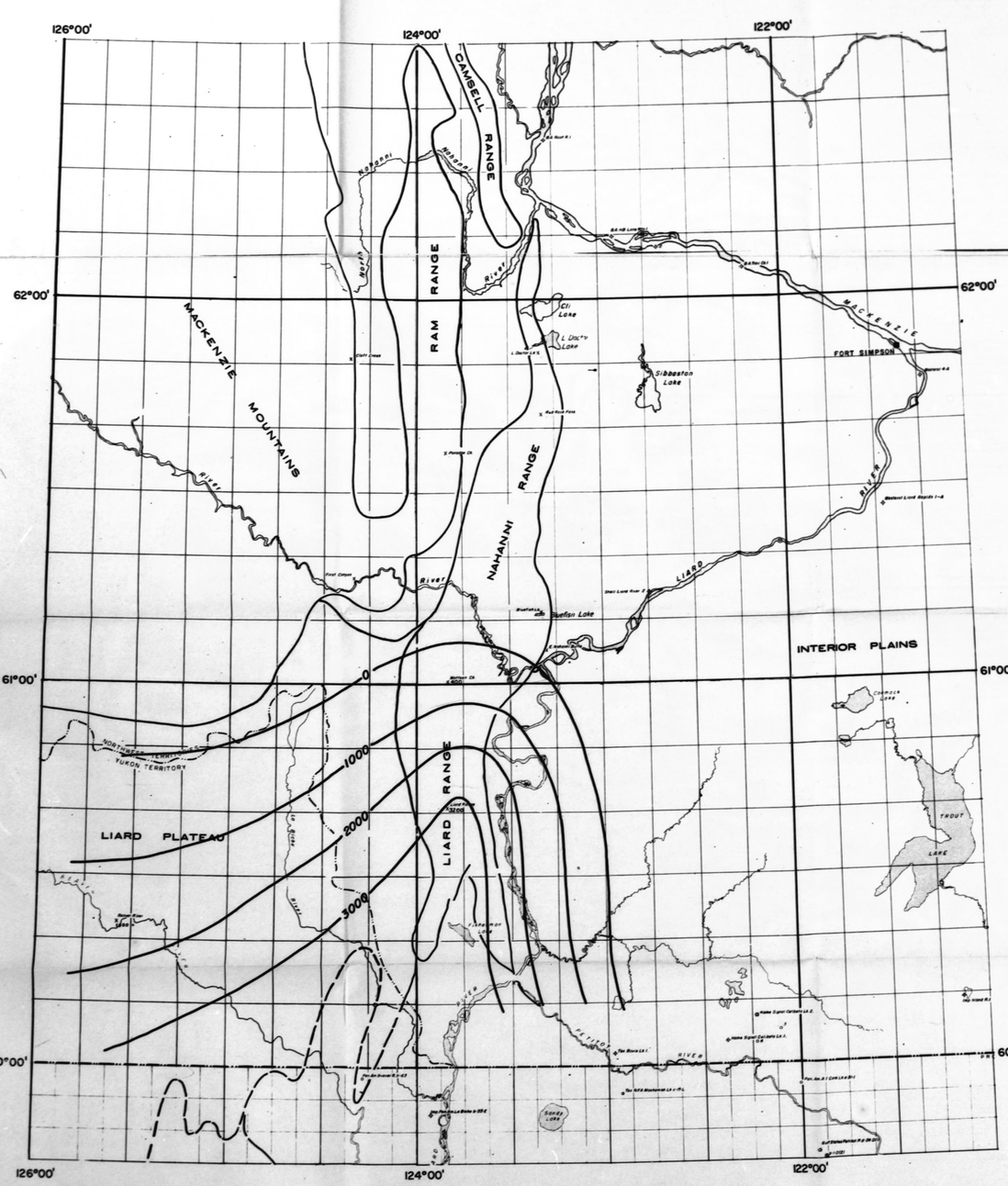
MATTSON FM.

CONTOUR INTERVAL – 1000 FT.

32 MILES

LEGEND

○ LOCATION	⊘ ABANDONED LOCATION	⊖ SUSPENDED
⊙ DRILLING	⊹ ABANDONED DRY HOLE	◊ INJECTION WELL
● OIL PRODUCER	⊕ ABANDONED OIL PRODUCER	⊕ ABANDONED WELL WITH OIL
⊛ GAS PRODUCER	⊛ ABANDONED GAS PRODUCER	⊛ ABANDONED WELL WILL GAS
x OUTCROP SECTION	✖ ABANDONED WELL WITH OIL & GAS	



To accompany report: 'Surface Geology of the South Nahanni area between Petitot River, Lat. 60°00', and Cli Lake, Lat. 62°00'. By R. A. Mansley – PRE-59

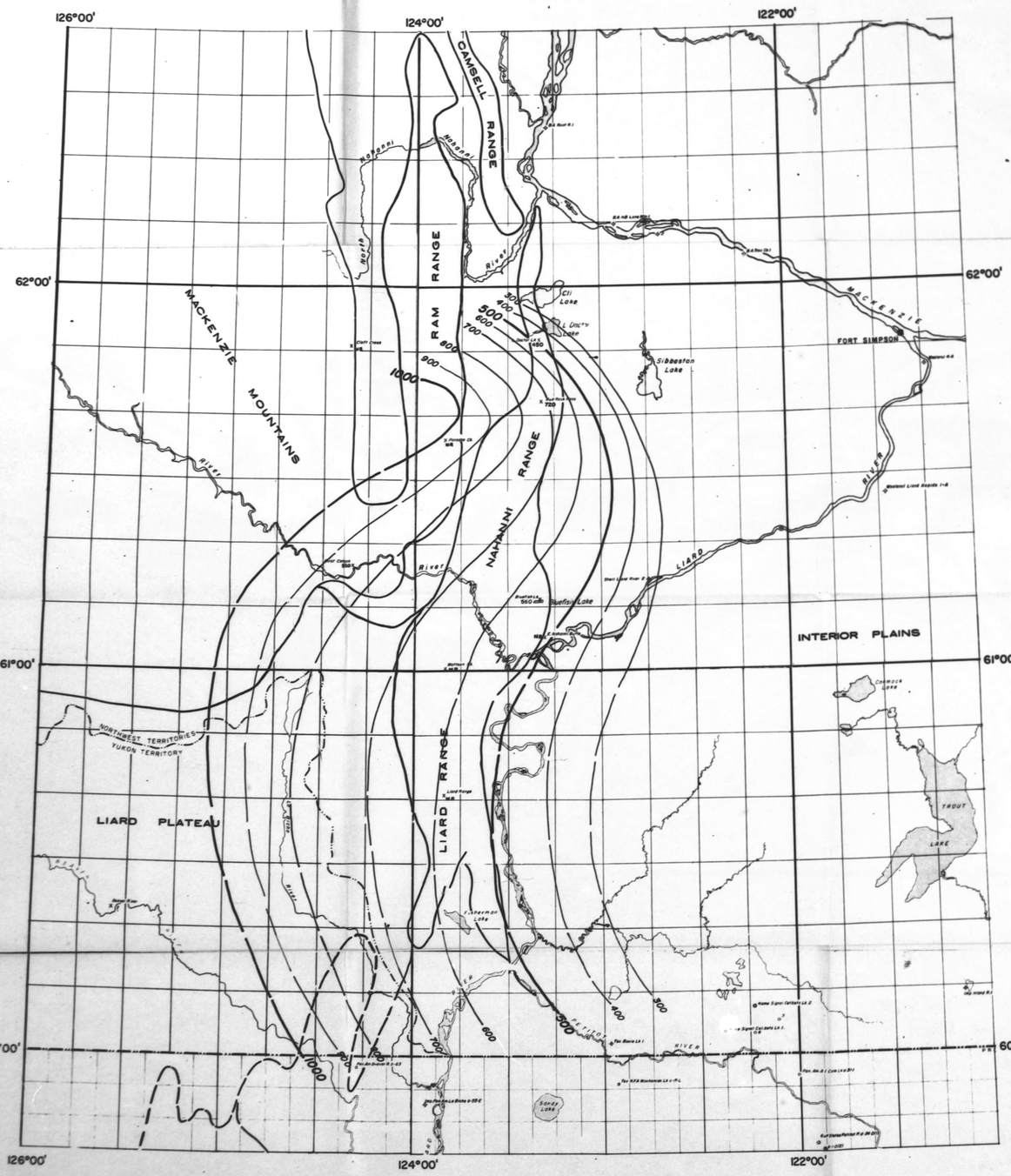
FIGURE 7

ISOPACH

PRIMARY DOLOMITE UNIT

CONTOUR INTERVAL – 100 FT.

32 MILES



LEGEND

○ LOCATION	⊘ ABANDONED LOCATION	⊖ SUSPENDED
⊙ DRILLING	⊹ ABANDONED DRY HOLE	⊕ INJECTION WELL
● OIL PRODUCER	⊘ ABANDONED OIL PRODUCER	⊘ ABANDONED WELL WITH OIL
⊛ GAS PRODUCER	⊛ ABANDONED GAS PRODUCER	⊠ ABANDONED WELL WILL GAS
x OUTCROP SECTION	⊠ ABANDONED WELL WITH OIL & GAS	

To accompany report: Surface Geology of the South Nahanni area between Petitot River, Lat. 60°00', and Cli Lake, Lat. 62°00'. By R. A. Mansley – PR2-59