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MICROMAT
105 M.M.

11x

January 1976

To accompany Geological Report to Placid Oil Company, December 1958.

125°00' 124°45' 124°30' 65°00'

64°50'

Note: The Ramparts Mountains are comprised of folded, faulted and overturned structures including rocks of Cambrian, Ordovician, Silurian and Devonian ages. These Mountains have not been mapped in detail.

O-S?

Dr

Dbr

Dbr?

Ksr

T

Kef

Klib

Ksr

O-S

Southeast Branch

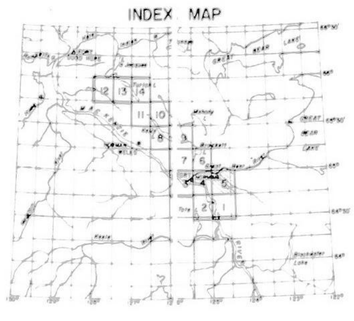
MOUNTAINS

RAMPARTS

Dbr?

125°00' 124°45' 124°30'

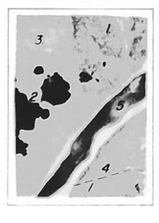
INDEX MAP



Note This is an uncontrolled map-mosaic and should not be mistaken for an accurate geographic base

LEGEND

TOPOGRAPHICAL



1 Bush
2 Lake
3 Muskeg
4 Winter Road
5 River

GEOLOGICAL

TERTIARY
T Undifferentiated

CRETACEOUS
K Undifferentiated
Kef East Fork Formation
Klib Little Bear Formation
Ksr Slater River Formation

DEVONIAN
UD Upper Devonian, Imp. and Fort Creek Fm
Dr Ramparts Group
Dks Keg Scarp Reef of Upper Ramparts
Dbr Bear Rock Formation
Dbrg Bear Rock Gypsum

ORDOVICIAN-SILURIAN
O-S Ronning Group

CAMBRIAN
Csr Saline River Formation

Geological Boundary (ascertained)
Geological Boundary (conjectural)
Bedding (inclined, vertical, horizontal, overturned)
Fault (triangle indicates direction of dip)
Anticline
Anticline (overturned)
Syncline

PHOTOGEOLOGICAL

Bedding (inclined, horizontal)
Glacial Lineation
Sink Hole

MISCELLANEOUS

Abandoned Well
Salt Water Spring
Measured Section
Kodachrome Print No. and Direction Taken
P.2224 P & N.G. Permit

PHOTOGEOLOGICAL MOSAIC

FORT NORMAN-KELLY LAKE AREA

NORTHWEST TERRITORIES

BASED ON RECONNAISSANCE GEOLOGICAL FIELD WORK AND PHOTOGEOLOGICAL STUDIES

PREPARED FOR

PLACID OIL COMPANY

Miles 1/2 0 1 2 3 Miles

APPROXIMATE SCALE IN MILES

J.C. Sproule & Associates, Calgary, Alberta, December 1958

SHEET N°5

1 - 5 - 7

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MICROMAT
105 M.M.

11x

January

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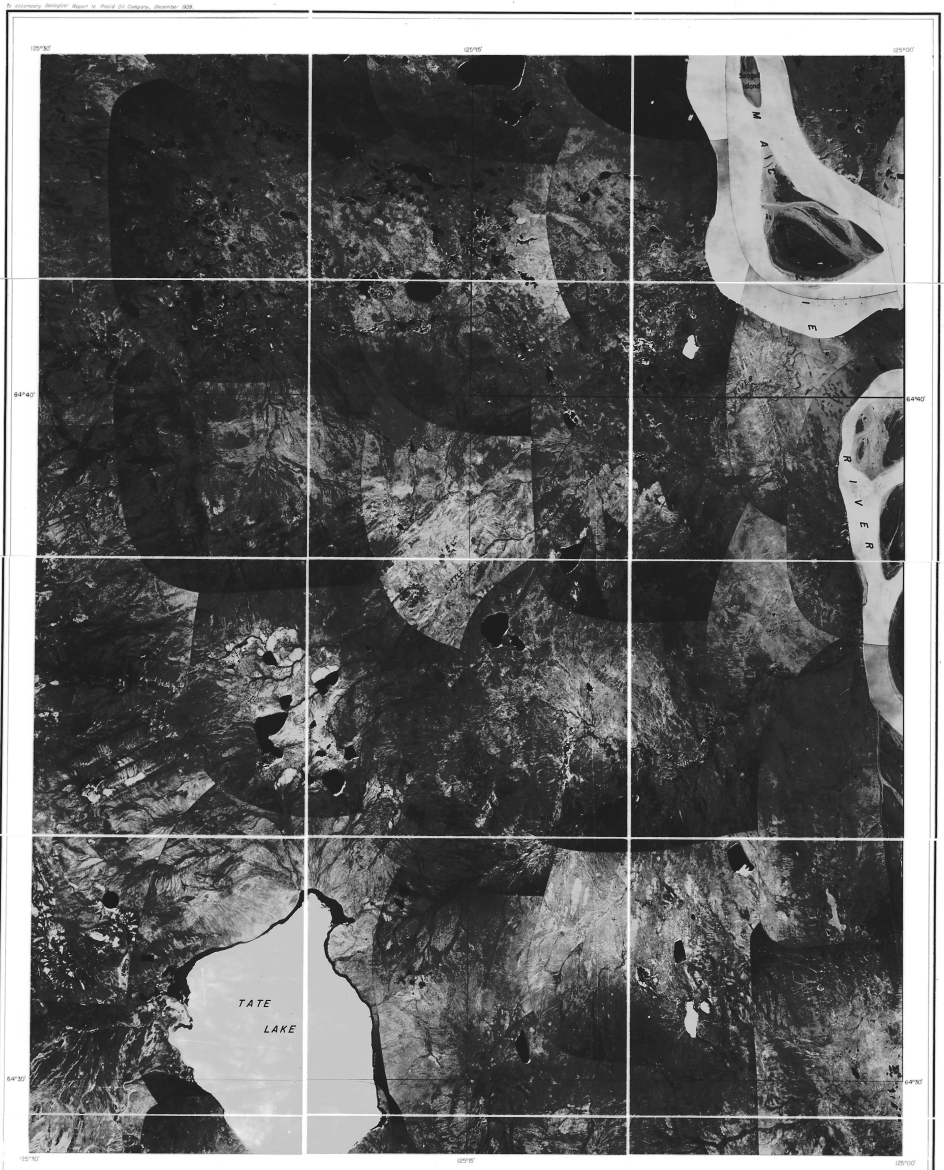
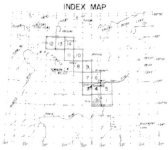


INDEX MAP



TOPOGRAPHICAL

LEGEND

GEOLOGICAL

TERTIARY
Tu — Undifferentiated
CRETACEOUS
Ku — Undifferentiated
Kfk — Fort York Formation
Kb — Little Bear Formation
Ksr — Slater River Formation
DEVONIAN
Upper Devonian, mg, and Fort Creek Fm
Dr — Ramparts Group
Dwg — Grizzly Reef Fm
Upper Ramparts
Dbr — Bear Rock Formation
Dbrg — Bear Rock Gypsum

ORDOVICIAN-SILURIAN
OSr — Running Group
CAMBRIAN
Cr — Saline River Formation
Geological Boundary (conformable)
Geological Boundary (unconformable)
Bedding(inclined/vertical, horizontal/overturned)
Fault(hachures indicate downthrown side)
Anticline
Anticline (overturned)
Syncline

PHOTOGEOLOGICAL

Bedding(inclined,horizontal,)
Glacial Lineation
Sink Hole

MISCELLANEOUS

Abandoned Well
Salt Water Spring
Measured Section
Kaska Home Post Ag. and Direction Taken
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PHOTOGEOLOGICAL MOSAIC

FORT NORMAN-KELLY LAKE AREA

NORTHWEST TERRITORIES

BASED ON RECONNAISSANCE GEOLOGICAL FIELD WORK AND PHOTOGEOLOGICAL STUDIES
PREPARED FOR
PLACID OIL COMPANY

Miles 0 1 2 3 4 5 Miles
APPROXIMATE SCALE IN MILES

Note: This is an uncontrolled map mosaic, and should not be mistaken for an accurate geographic base.

J.C. Sproule & Associates, Calgary, Alberta December 1958

SHEET N° 2

5 - 7

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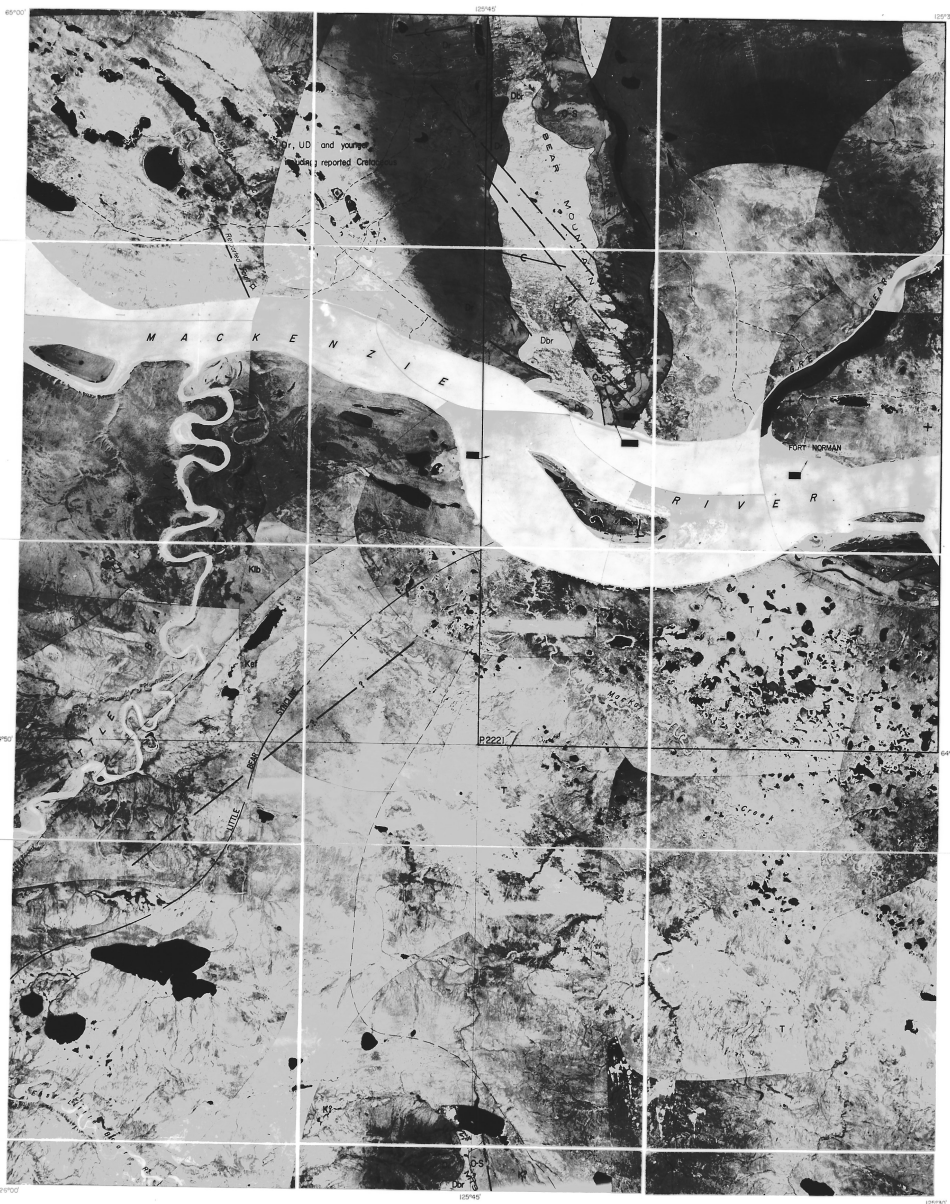
MICROMAT
105 M.M.

11x

January 197

To accompany Geological Report to Placid Oil Company, December 1958


65°00'
125°45'
125°30'
64°50'
125°45'
125°30'
Dor, UD and young
Dor
Dor
Dor

1 - 5 - 7

WEST CANADIAN GRAPHIC INDUSTRIES LTD.
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Phone 263 - 2555

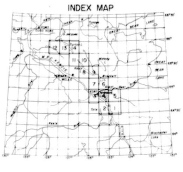
MICROMAT
105 M.M.

11x

January

To accompany Geological Report to Placid Oil Company, December 1958

INDEX MAP



TOPOGRAPHICAL

LEGEND

GEOLOGICAL

TERTIARY
1 Bush
2 Lake
3 Muskeg
4 Winter Road
5 River
T — Undifferentiated
CRETACEOUS
K — Undifferentiated
Kfl — East Fork Formation
Klb — Little Bear Formation
Kw — Slater River Formation
DEVONIAN
Du — Upper Devonian, Imp. and Fort Creek Fm
Dr — Ramparts Group
Drs — Scarp Reef of Upper Ramparts
Dbr — Bear Rock Formation
Dbg — Bear Rock Gypsum

ORDOVICIAN-SILURIAN
O-S — Running Group
CAMBRIAN
Ew — Saline River Formation

Geological Boundary (concealed)
Geological Boundary (conjectural)
Bedding (inclined, vertical, horizontal, overturned)
Fault (triangle indicates direction of dip)
Anticline
Anticline (overturned)
Syncline

PHOTOGEOLOGICAL

Bedding (inclined, horizontal)
Glacial Lineation
Sink Hole

MISCELLANEOUS

Abandoned Well
Salt Water Spring
Measured Section
Kodachrome Print No. (and Direction Taken)
P.20(W) — Fill N.G. Permit

PHOTOGEOLOGICAL MOSAIC

FORT NORMAN–KELLY LAKE AREA

NORTHWEST TERRITORIES

BASED ON RECONNAISSANCE GEOLOGICAL FIELD WORK AND PHOTOGEOLOGICAL STUDIES
PREPARED FOR
PLACID OIL COMPANY

Mile 0 1 2 3 Miles
APPROXIMATE SCALE IN MILES

Note: This is an uncontrolled map mosaic and should not be matched for an accurate geographic base.

J.C. Sproule & Associates, Calgary, Alberta, December 1958

SHEET N°4

5 - 7

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MICROMAT
105 M.M.

11x

January

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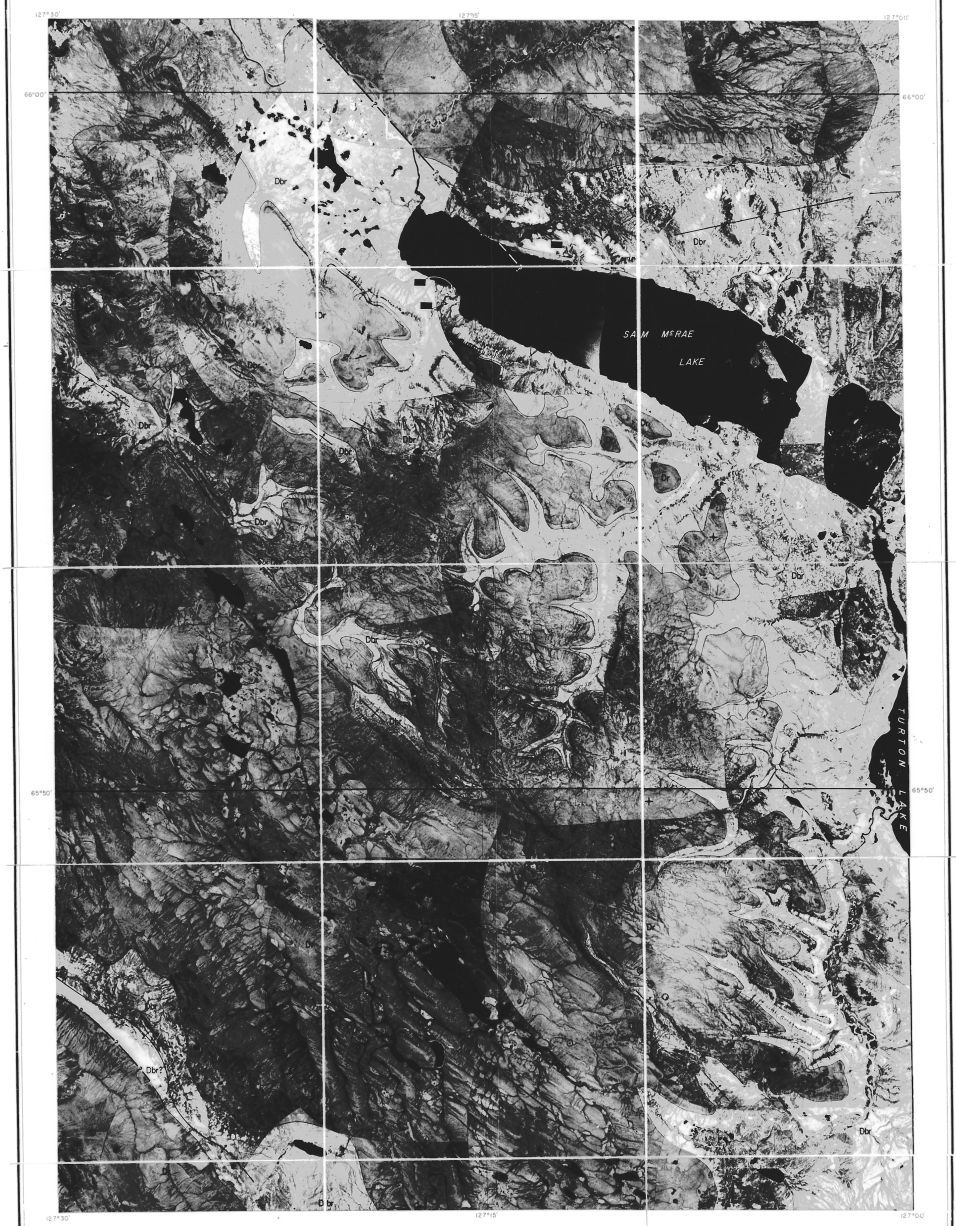

LEGEND

GEOLOGICAL

TERTIARY
- Undifferentiated

CRETACEOUS
- Undifferentiated
- Kpf — Fort Fork Formation
- Klb — Little Bear Formation
- Kgr — Slater River Formation

DEVONIAN
- Upper Devonian, Imp. and Fort Creek Fm.
- Dmb — Mackenzie Group
- Dfs — Fort Scott Reef of Upper Mackenzie
- Dbr — Bear Rock Formation
- Dbrg — Bear Rock Gypsum

ORDOVICIAN-SILURIAN
- OS — Running Group

CAMBRIAN
- Csr — Saline River Formation

Geological Boundary (ascertained)
Geological Boundary (conjectural)
Bedding (inclined, vertical, horizontal, overturned)
Fault (triangle indicates direction of dip)
Anticline
Anticline (overturned)
Syncline

PHOTOGEOLOGICAL

Bedding (inclined, horizontal)
Glacial Lineation
Sink Hole

MISCELLANEOUS

Abandoned Well
Salt Water Spring
Measured Section
Radiochrome Pivot No.
Land Direction Taken
T 29 N R 2 W 6 Permit

TOPOGRAPHICAL

1. Bush
2. Lake
3. Muskeg
4. Winter Road
5. Trail

INDEX MAP

PHOTOGEOLOGICAL MOSAIC

FORT NORMAN-KELLY LAKE AREA

NORTHWEST TERRITORIES

BASED ON RECONNAISSANCE GEOLOGICAL FIELD WORK AND PHOTOGEOLOGICAL STUDIES

PREPARED FOR

PLACID OIL COMPANY

Miles 0 1 2 3 Miles

APPROXIMATE SCALE IN MILES

Note: This is an uncontrolled map mosaic and should not be mistaken for an accurate geographic base

J.C. Sproule & Associates, Calgary, Alberta, December 1958

SHEET N° 15

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105 M.M.

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January 19

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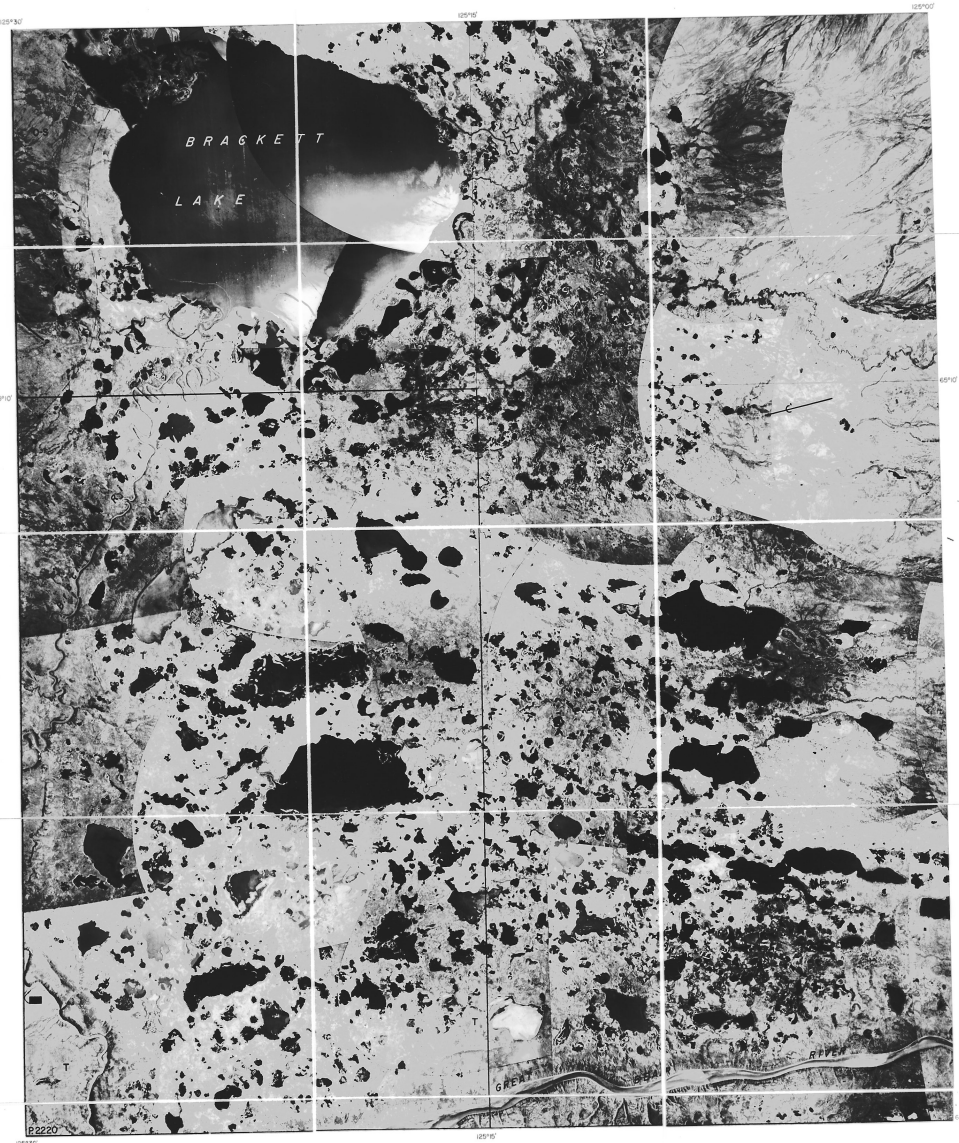
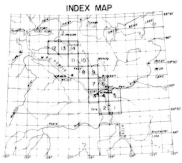


INDEX MAP



TOPOGRAPHICAL

1 Buch
2 Lake
3 Muskeg
4 Water Road
5 River

LEGEND

GEOLOGICAL

TERTIARY
T — Undifferentiated

CRETACEOUS
K — Undifferentiated
Kef — East Fork Formation
Klb — Little Bear Formation
Ksr — Slater River Formation

DEVONIAN
Du — Upper Devonian, Imp. and Fort Creek Fm.
Dr — Ramparts Group
Rrp Scarp Reef of Upper Ramparts
Dhs — Hare Indian Formation
Dbr — Bear Rock Formation
Dbg — Bear Rock Gypsum

ORDOVICIAN-SILURIAN
OS — Running Group

CAMBRIAN
Csv — Saline River Formation

Geological Boundary (ascertained)
Geological Boundary (conjectured)
Bedding (inclined, vertical, horizontal, overturned)
Fault (triangle indicates direction of dip)
Anticline
Anticline (overturned)
Syncline

PHOTOGEOLOGICAL

Bedding (inclined, horizontal)
Glacial Lineation
Sink Hole

MISCELLANEOUS

Abandoned Well
Salt Water Spring
Measured Section
Kodachrome Print No. and Direction Taken
P 2205 — P & N.G. Permit

PHOTOGEOLOGICAL MOSAIC

FORT NORMAN–KELLY LAKE AREA

NORTHWEST TERRITORIES

BASED ON RECONNAISSANCE GEOLOGICAL FIELD WORK AND PHOTOGEOLOGICAL STUDIES

PREPARED FOR

PLACID OIL COMPANY

APPROXIMATE SCALE IN MILES

Note: This is an uncontrolled map-mosaic and should not be mistaken for an accurate geographic base.

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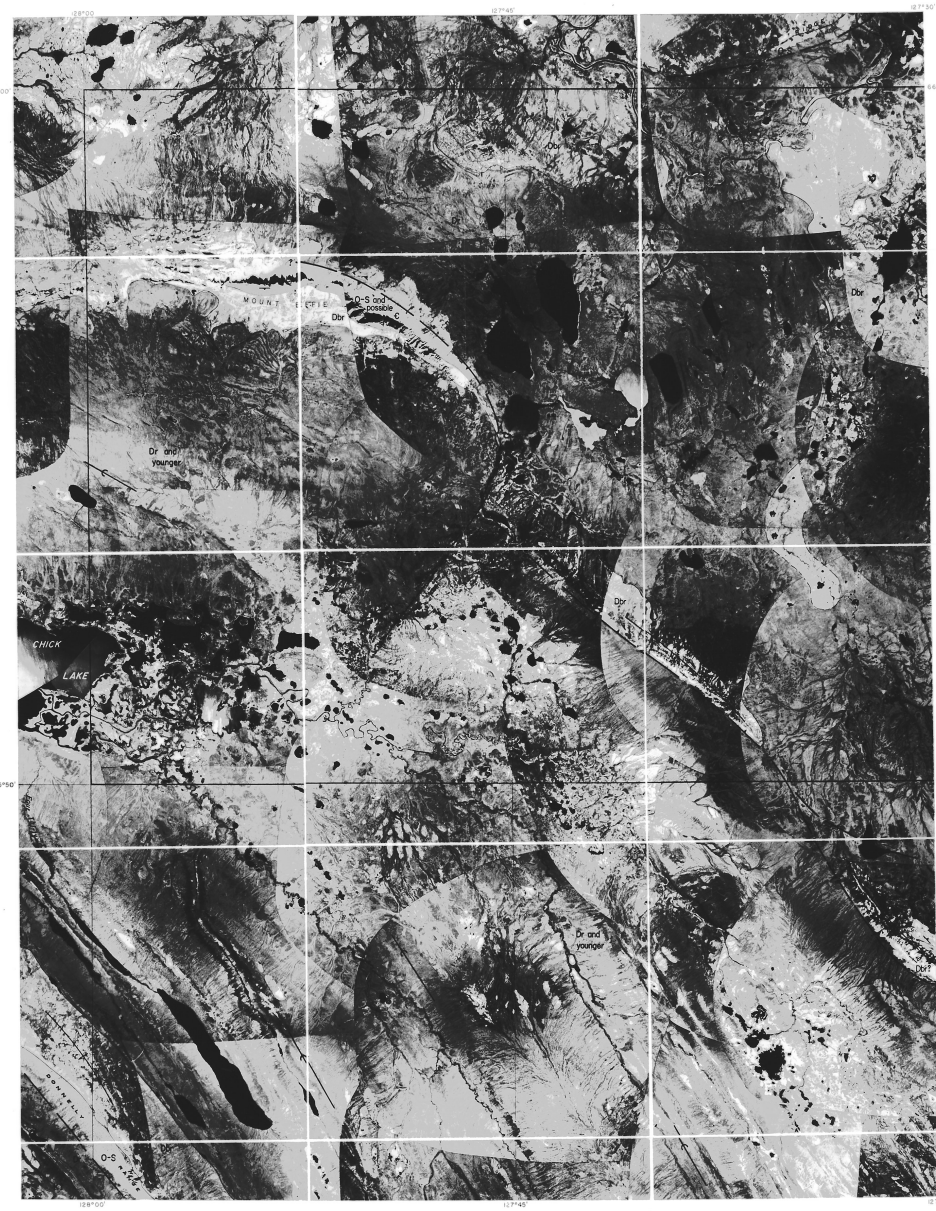
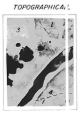
SHEET N°6



INDEX MAP

Note: This is an uncontrolled map-mosaic and should not be reckoned for an accurate geographic base.

TOPOGRAPHICAL



LEGEND

GEOLOGICAL

TERTIARY
Undifferentiated
CRETACEOUS
Undifferentiated
East Fork Formation
Little Bear Formation
Slater River Formation
DEVONIAN
Upper Devonian, Imp. and Fort Creek Fm.
Ramparts Group
Reef Scarp Reef of Upper Ramparts
Bear Rock Formation
Bear Rock Gypsum
ORDOVICIAN-SILURIAN
Running Creek
CAMBRIAN
Sallow River Formation
Geological Boundary (ascertained)
Geological Boundary (conjectural)
Bedding (inclined,vertical, horizontal,overturned)
Fault (triangle indicates direction of dip)
Anticline
Anticline (overturned)
Syncline

PHOTOGEOLOGICAL

Bedding (inclined,horizontal)
Glacial Lineation
Sink Hole

MISCELLANEOUS

Abandoned Well
Salt Water Spring
Measured Section
Kodachrome Print No. and Direction Taken
P & NG Permit

PHOTOGEOLOGICAL MOSAIC

FORT NORMAN-KELLY LAKE AREA

NORTHWEST TERRITORIES

BASED ON RECONNAISSANCE GEOLOGICAL FIELD WORK AND PHOTOGEOLOGICAL STUDIES

PREPARED FOR

PLACID OIL COMPANY

APPROXIMATE SCALE IN MILES

J.C. Sproule & Associates, Calgary, Alberta, December 1958

SHEET N°10

S - 7

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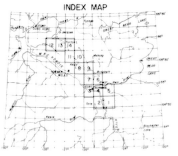
MICROMAT
105 M.M.

11x January

INDEX MAP



TOPOGRAPHICAL

LEGEND

GEOLOGICAL

TERTIARY
T — Undifferentiated
CRETACEOUS
K — Undifferentiated
Kvf — East Fork Formation
Kll — Little Bear Formation
Kcr — Slater River Formation
DEVONIAN
Du — Upper Devonian, Imp. and Fort Creek Fm.
Dmrt — Remparts Group
Drs — Ridge Scarp Reef of Upper Remparts
Dbr — Bear Rock Formation
Dbg — Bear Rock Gypsum
ORDOVICIAN-SILURIAN
O-S — Running Group
CAMBRIAN
Cwr — Saline River Formation
Geological Boundary (exact/inferred)
Geological Boundary (concealed/inferred)
Bedding (inclined/vertical, horizontal/overturned)
Fault (triangle indicates direction of dip)
Anticline
Anticline (overturned)
Syncline

PHOTOGEOLOGICAL
Bedding (inclined, horizontal)
Glacial Lineation
Sink Hole

MISCELLANEOUS
Abandoned Well
Salt Water Spring
Measured Section
Radiochrome Point No. and Direction Taken
P & N.G. Permit

PHOTOGEOLOGICAL MOSAIC

FORT NORMAN–KELLY LAKE AREA

NORTHWEST TERRITORIES

BASED ON RECONNAISSANCE GEOLOGICAL FIELD WORK AND PHOTOGEOLOGICAL STUDIES
PREPARED FOR
PLACID OIL COMPANY

Miles 0 1/2 1 2 3 Miles
APPROXIMATE SCALE IN MILES

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J.C. Sproule & Associates, Calgary, Alberta, December 1958

SHEET NO.

331 - 1 - 5 - 7

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MICROMAT
105 M.M.

11x January 1976

To accompany Geological Report to Placid Oil Company, December 1958.

125°00' 124°45' 124°30'

64°40'

OLD FORT POINT

P. 2226 P. 2227 P. 2228 P. 2229

MACKENZIE RIVER

BIG

LITTLE

CREEK

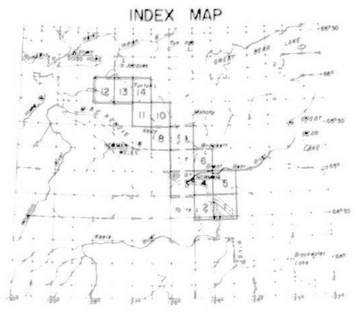
Recent Shoreline Feature probably related to Cretaceous or Tertiary Bedrock

Dbr Dbr? Dbrg Gypsum O-S Dr

64°30'

125°00' 124°45' 124°30'

INDEX MAP



Note This is an uncontrolled map mosaic and should not be mistaken for an accurate geographic base

LEGEND

TOPOGRAPHICAL

1 Bush
2 Lake
3 Muskeg
4 Winter Road
5 River

GEOLOGICAL

TERTIARY
T Undifferentiated
CRETACEOUS
K Undifferentiated
Kef East Fork Formation
Klb Little Bear Formation
Ksr Slater River Formation
DEVONIAN
UD Upper Devonian, Imp. and Fort Creek Fm
Dr Ramparts Group
Dks Keg Scarp Reef of Upper Ramparts
Dbr Bear Rock Formation
Dbrg Bear Rock Gypsum
ORDOVICIAN-SILURIAN
O-S Ronning Group
CAMBRIAN
Csr Saline River Formation
Geological Boundary (ascertained)
Geological Boundary (conjectural)
Bedding (inclined, vertical, horizontal, overturned)
Fault (triangle indicates direction of dip)
Anticline
Anticline (overturned)
Syncline

PHOTOGEOLOGICAL

Bedding (inclined, horizontal)
Glacial Lineation
Sink Hole

MISCELLANEOUS

Abandoned Well
Salt Water Spring
Measured Section
Kodachrome Print No and Direction Taken
P2224 P.B.N.G. Permit

PHOTOGEOLOGICAL MOSAIC

FORT NORMAN-KELLY LAKE AREA

NORTHWEST TERRITORIES

BASED ON RECONNAISSANCE GEOLOGICAL FIELD WORK AND PHOTOGEOLOGICAL STUDIES

PREPARED FOR

PLACID OIL COMPANY

Mile 1/2 0 1 2 3 Miles

APPROXIMATE SCALE IN MILES

J.C. Sproule & Associates, Calgary, Alberta, December 1958

SHEET N° 1

5 - 7

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105 M.M.

11x January 197

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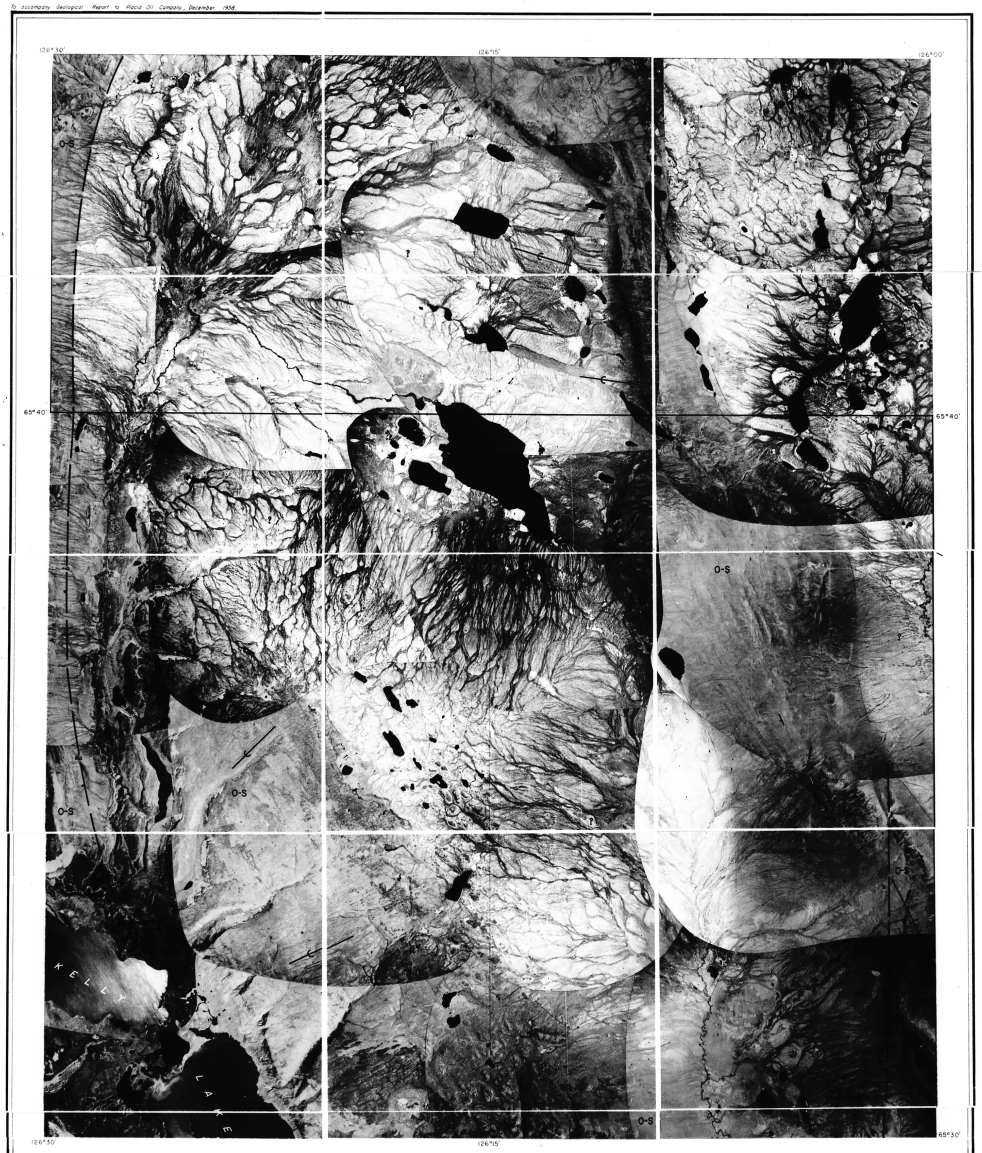
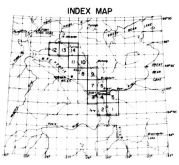


INDEX MAP



TOPOGRAPHICAL

LEGEND

GEOLOGICAL

TERTIARY:
1 Bush
2 Lake
3 Muskeg
4 Water Road
5 River

T — Undifferentiated
CRETACEOUS — Undifferentiated
Kgf — East Fork Formation
Klb — Little Bear Formation
Ksr — Slater River Formation
DEVONIAN
Upper Devonian, esp. and Fort Creek Fm.
Dr — Ramparts Group
Dkl — Keg Scarp Reef of Upper Ramparts
Dbr — Bear Rock Formation
Dbg — Bear Rock Gypsum

ORDOVICIAN-SILURIAN
O-S — Running Group
CAMBRIAN
Csr — Saline River Formation

Geological Boundary (concurrent)
Geological Boundary (unconformable)
Bedding (inclined, vertical, horizontal, overturned)
Fault (triangle indicates direction of dip)
Anticline
Anticline (overturned)
Syncline

PHOTOGEOLOGICAL

Bedding (inclined, horizontal, ?)
Glacial Lineation
Sink Hole

MISCELLANEOUS

Abandoned Well
Salt Water Spring
Measured Section
Kodak/Home Print No. and Direction Taken
PPR — P & N.G. Permit

Note: This is an uncontrolled map mosaic and should not be mistaken for an accurate geographic base

PHOTOGEOLOGICAL MOSAIC

FORT NORMAN-KELLY LAKE AREA

NORTHWEST TERRITORIES

BASED ON RECONNAISSANCE GEOLOGICAL FIELD WORK AND PHOTOGEOLOGICAL STUDIES
PREPARED FOR

PLACID OIL COMPANY

Miles 10 5 0 10 Miles

APPROXIMATE SCALE IN MILES

J.C. Sproule & Associates, Calgary, Alberta, December 1958

SHEET N° 10

1 - 5 - 7

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MICROMAT
105 M.M.

11x

January

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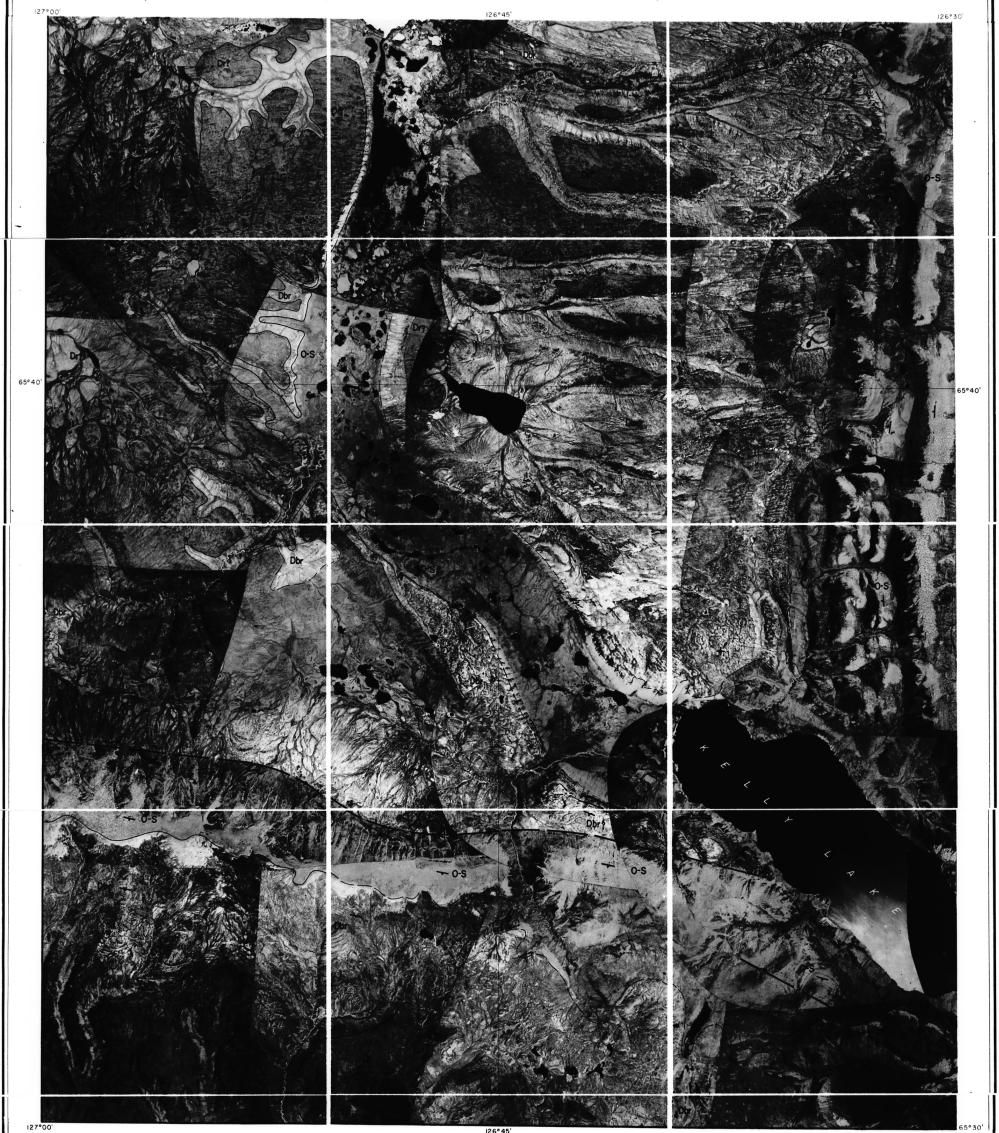
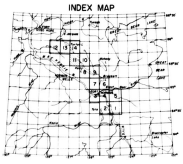


INDEX MAP



TOPOGRAPHICAL

LEGEND

GEOLOGICAL

TERTIARY
- T — Undifferentiated

CRETACEOUS
- K — Undifferentiated
- Kdf — East Fork Formation
- Klb — Little Bear Formation
- Ksr — Slater River Formation

DEVONIAN
- U-S — Upper Devonian, Imp. and Fort Creek Fm
- Dr — Ramparts Group
- Drs — Keg Scarp Reef of Upper Ramparts
- Dbr — Bear Rock Formation
- Dbrg — Bear Rock Gypsum

ORDOVICIAN-SILURIAN
- O-S — Running Group

CAMBRIAN
- Cer — Saline River Formation

Geological Boundary (concertained)

Geological Boundary (conjectural)

Bedding (inclined, vertical, horizontal, overturned)

Fault (triangle indicates direction of dip)

Anticline

Anticline (overturned)

Syncline

PHOTOGEOLOGICAL

Bedding (inclined, horizontal, overturned)

Glacial Lineation

Sink Hole

MISCELLANEOUS

Abandoned Well

Salt Water Spring

Measured Section

Kodachrome Pivot No. and Direction Taken

P.P.N.G. Permit

1. Bush
2. Lake
3. Muskeg
4. Winter Road
5. River

Note: This is an uncontrolled map mosaic and should not be in taken for an accurate geographic base

PHOTOGEOLOGICAL MOSAIC

FORT NORMAN-KELLY LAKE AREA

NORTHWEST TERRITORIES

BASED ON RECONNAISSANCE GEOLOGICAL FIELD WORK AND PHOTOGEOLOGICAL STUDIES

PREPARED FOR

PLACID OIL COMPANY

Miles 0 1 2 3 Miles

APPROXIMATE SCALE IN MILES

J.C. Sproule & Associates, Calgary, Alberta, December 1958

SHEET N° II

- 5 - 7

WEST CANADIAN GRAPHIC INDUSTRIES LTD.
801 - 5th Avenue S.W. CALGARY 1, ALBERTA
Phone 263 - 2353

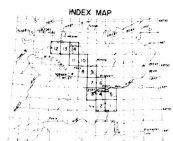
MICROMAT
105 M.M.

11x

January

In accompany Geological Report to Placid Oil Company, December 1958.

INDEX MAP



TOPOGRAPHICAL

LEGEND

GEOLOGICAL

TERTIARY
1. Bush
2. Lake
3. Mukeeg
4. Muskeg Wood
5. Flood

Undifferentiated

CRETACEOUS
Undifferentiated
Fort Fork Formation
Little Bear Formation
Slater River Formation

DEVONIAN
Upper Devonian, Imp. and Fort Creek Fm.
Hare Indian Formation
Hare Indian Formation (concealed)
Hare Indian Formation (subsurface)
Hare Indian Formation (Gypsum)
Hare Indian Formation (Anhydrite)
Hare Indian Formation (Salt)
Hare Indian Formation (Potash)
Hare Indian Formation (Oil)
Hare Indian Formation (Gas)
Hare Indian Formation (Water)
Hare Indian Formation (Coal)
Hare Indian Formation (Lignite)
Hare Indian Formation (Peat)
Hare Indian Formation (Clay)
Hare Indian Formation (Sand)
Hare Indian Formation (Gravel)
Hare Indian Formation (Boulders)
Hare Indian Formation (Cobbles)
Hare Indian Formation (Pebbles)
Hare Indian Formation (Granules)
Hare Indian Formation (Silt

5 - 7

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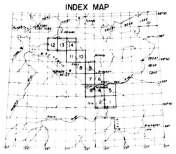
January 197

To accompany Geological Report by Placid Oil Company, December 1958

126°00'
125°45'
65°30'
65°20'
65°20'
126°00'
125°45'
125°30'

K E L L Y L A K E

INDEX MAP



Note: This is an uncontrolled map mosaic and should not be accepted for its accurate geographic base

TOPOGRAPHICAL

LEGEND

GEOLOGICAL

TERTIARY
T Undifferentiated
CRETACEOUS
K Undifferentiated
Kvf East Fork Formation
Klb Little Bear Formation
Ksr Slater River Formation
DEVONIAN
U3 Upper Devonian, Imp. and Fort Creek Fm
U2 Remparts Group
Dhk Kee Scarp Reef of Upper Remparts
Dbr Bear Rock Formation
Dbrg Bear Rock Gypsum

ORDOVICIAN-SILURIAN
O-S Ronning Group
CAMBRIAN
Csr Saline River Formation

Geological Boundary (Encertained)
Geological Boundary (Conjectured)
Bedding (Inclined, vertical)
Horizontal (overturned)
Fault (triangle indicates direction of dip)
Anticline
Anticline (Overturned)
Syncline

PHOTOGEOLOGICAL

Bedding (Inclined, horizontal)
Glacial Lineation
Sink Hole

MISCELLANEOUS

Abandoned Well
Salt Water Spring
Measured Section
Radiochrome Float No. and Direction Taken
F 18 N.G. Permit

PHOTOGEOLOGICAL MOSAIC

FORT NORMAN-KELLY LAKE AREA

NORTHWEST TERRITORIES

BASED ON RECONNAISSANCE GEOLOGICAL FIELD WORK AND PHOTOGEOLOGICAL STUDIES

PREPARED FOR

PLACID OIL COMPANY

Miles 0 1 2 3 Miles

APPROXIMATE SCALE IN MILES

J.C. Sproule & Associates, Calgary, Alberta, December, 1958

SHEET N° 5

S - 7

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MICROMAT
105 M.M.

11x

January 197

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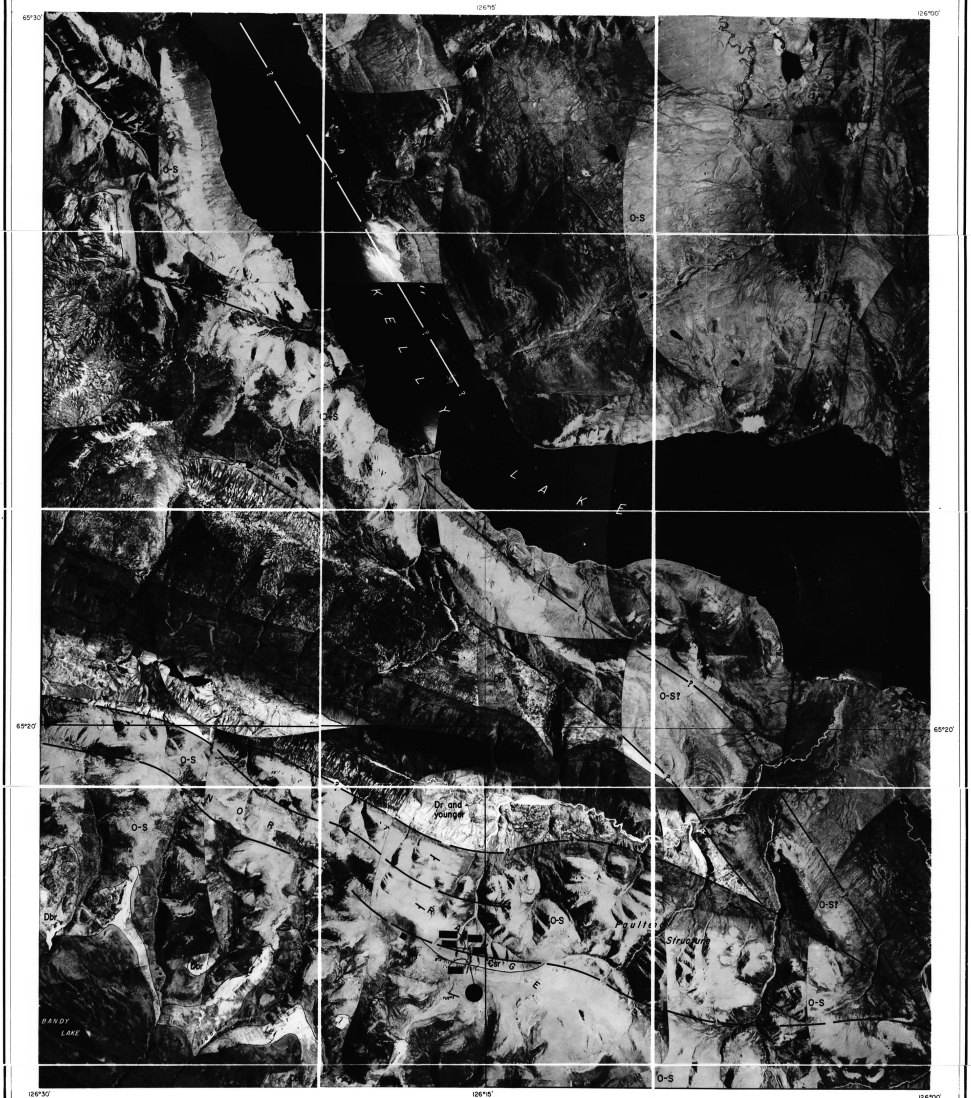

LEGEND

GEOLOGICAL

TERTIARY
- T — Undifferentiated

CRETACEOUS
- K — Undifferentiated
- Kgf — East Fork Formation
- Klb — Little Bear Formation
- Kvr — Slater River Formation

DEVONIAN
- UD — Upper Devonian, Imp. and Fort Creek Fm.
- Rpm — Pomeroy Group
- Drk — Kay Crazy Reef of Upper Pomeroy
- Dbr — Bear Rock Formation
- Dbg — Bear Rock Gypsum

ORDOVICIAN-SILURIAN
- O-S — Ronning Group

CAMBRIAN
- Csr — Saline River Formation

PHOTOGEOLOGICAL
- Bedding(inclined,horizontal)
- Glacial Lineation
- Sink Hole

MISCELLANEOUS
- Abandoned Well
- Salt Water Spring
- Measured Section
- Kodachrome Print No. and Direction Taken
- P.A.N.S. Permit

GEOLOGICAL
- Geological Boundary (ascertained)
- Geological Boundary (conjectural)
- Bedding(inclined,vertical, horizontal,overturned)
- Fault(triangle indicates direction of dip)
- Anticline
- Anticline (overturned)
- Syncline

TOPOGRAPHICAL

1 Bush
2 Lake
3 Muskeg
4 Winter Road
5 River

INDEX MAP

Note: This is an uncontrolled map-mosaic and should not be mistaken for an accurate geographic base

PHOTOGEOLOGICAL MOSAIC

FORT NORMAN-KELLY LAKE AREA

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APPROXIMATE SCALE IN MILES

J.C. Sproule & Associates, Calgary, Alberta, December 1958

SHEET N° 8