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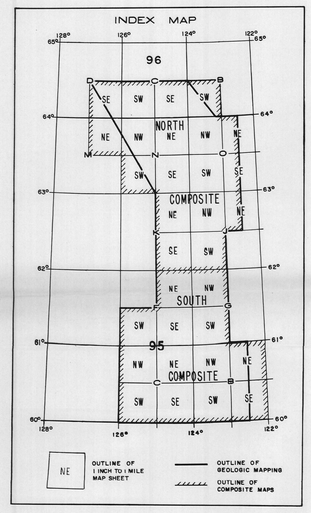
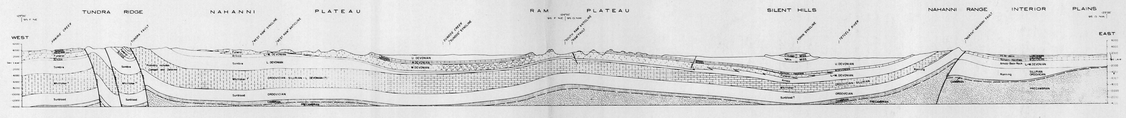
Wells posted to Aug. 1973

INDEX MAP





GEOLOGIC CROSS SECTION NO. 2

SOUTH COMPOSITE PHOTOGEOLOGIC MAP MACKENZIE PLAIN AREA NORTHWEST TERRITORIES AND YUKON

W.I.
D.M.H.
G.M.H.
M.D.R.
I.D.B.
R.D.S.
G.R.
T.W.B.
E.C.I.

005711

GEOPHOTO SERVICES LTD. CALGARY, ALBERTA, CANADA

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SCALE
1:253,440 – 1 inch to 4 miles
20,000 10000 5000 0 20,000 40,000 FEET
4 2 1 0 4 8 MILES

1971

MAP UNITS

QUATERNARY	Surficial deposits	Q	
UPPER CRETACEOUS	Kotaneelee / Dunedgon	Ku	
LOWER CRETACEOUS	Sully / Sikanni / Lepine / Scatter / Garbutt / Basal conglomerate	Kfj	Ft. St. John Group
TRIASSIC (?)	Grayling(?)	Tr	
PERMO-CARBONIFEROUS	Fantasque / Mattson	PMm	
MISSISSIPPIAN	Flett	MF	
UPPER DEVONIAN	Shale / Undivided shale, sandstone & limestone / Ft. Simpson	MDu / Du	
MIDDLE DEVONIAN	Horn River / Nahanni / Headless	Dm / Dwl	
MIDDLE-LOWER DEVONIAN	Landry / Funeral / Sombre / Camsell / Dalorne	Dms / DS	Dm-O / Dm-Os
SILURIAN-ORDOVICIAN	Whittaker	SOw	SO
ORDOVICIAN	Sunblood	Os	
ORDOVICIAN-CAMBRIAN	Conglomerate	OCcg	
PRECAMBRIAN	Metasediments	pC	

MACKENZIE PLAIN

TERTIARY	Sandstone & conglomerate	Tu
LOWER CRETACEOUS	Shale & sandstone	Kl / KlDu
UPPER DEVONIAN	Shale & sandstone	Du

IGNEOUS ROCK I Trachyte and syenite plugs of probable Cretaceous age.

FRANKLIN MOUNTAINS

MIDDLE DEVONIAN	Horn River		
MIDDLE-LOWER DEVONIAN	Nahanni / Bear Rock	Dh / Dbr	Dhbr
SILURIAN-ORDOVICIAN	Mt. Kindle / Franklin Mtn.	Ft. Simpson / Kindle	SOr
ORDOVICIAN			
CAMBRIAN	Saline River / Mt. Cap / Mt. Clark		Ckms / Cmc
PRECAMBRIAN	Unnamed		pC

KEY HORIZONS

- Top of Dunedgon
- Top of Scatter
- Top of Garbutt
- Top of basal Cretaceous conglomerate
- Base of Fantasque
- Contact of middle and upper Mattson
- Contact of lower and middle Mattson
- Base of Attyrra angelas zone
- Top of Leiorhynchus zone
- Base of Leiorhynchus zone
- Top of reef limestone
- Top of Ft. Simpson
- Top of Horn River
- Base of Nahanni
- Top of Funeral
- Top of Arrisco
- Top of Camsell
- Base of Camsell
- Base of Mt. Kindle
- Base of Saline River

GEOLOGIC SYMBOLS

- Bedding appears horizontal on photographs.
- Dip group 1, less than 5°
- Dip group 2, 5° to 10°
- Dip group 3, 10° to 25°
- Dip group 4, 25° to 45°
- Dip group 5, 45° to nearly vertical.
- Bedding appears vertical on photographs.
- Overturned bedding
- General dip of beds having subordinate folds
- Dip and strike. Amount of dip cannot be determined on photographs.
- Dip component
- Field observed dip from published map.
- Geomorphic dip (Possible dip slope)
- Strike line. Direction of dip cannot be determined on photographs.
- Major fault / Minor fault / Fault, position indefinite / Fault, inferred / Strike-slip fault — Dip of fault plane indicated; ball on hachured side of normal fault. Dotted where concealed
- Distinctive alignment
- Glacial lineation. Direction of ice movement indicated.
- Glacial lineation. Direction of ice movement not known.
- Fracture or joint
- Anticline. Arrow denotes plunge. Diamond denotes approximate position of apex.
- Syncline. Arrow denotes plunge. Break and cross bars denote approximate position of high point.
- Anticline and syncline, position indefinite
- Anticline and syncline, generalized position.
- Anticline and syncline, inferred
- Anticline and syncline, overturned. Arrows denote direction of dip of limbs and are on side of normal dip.
- Structural terrace
- Monocline
- Contact, dashed where indefinite
- Contact, inferred
- Generalized contact.
- Key bed/oh.
- Stratigraphic break
- Outcrop area
- x? Possible outcrop area
- Identifies isolated or faulted segment with labelled area.

CULTURAL AND GEOGRAPHIC SYMBOLS

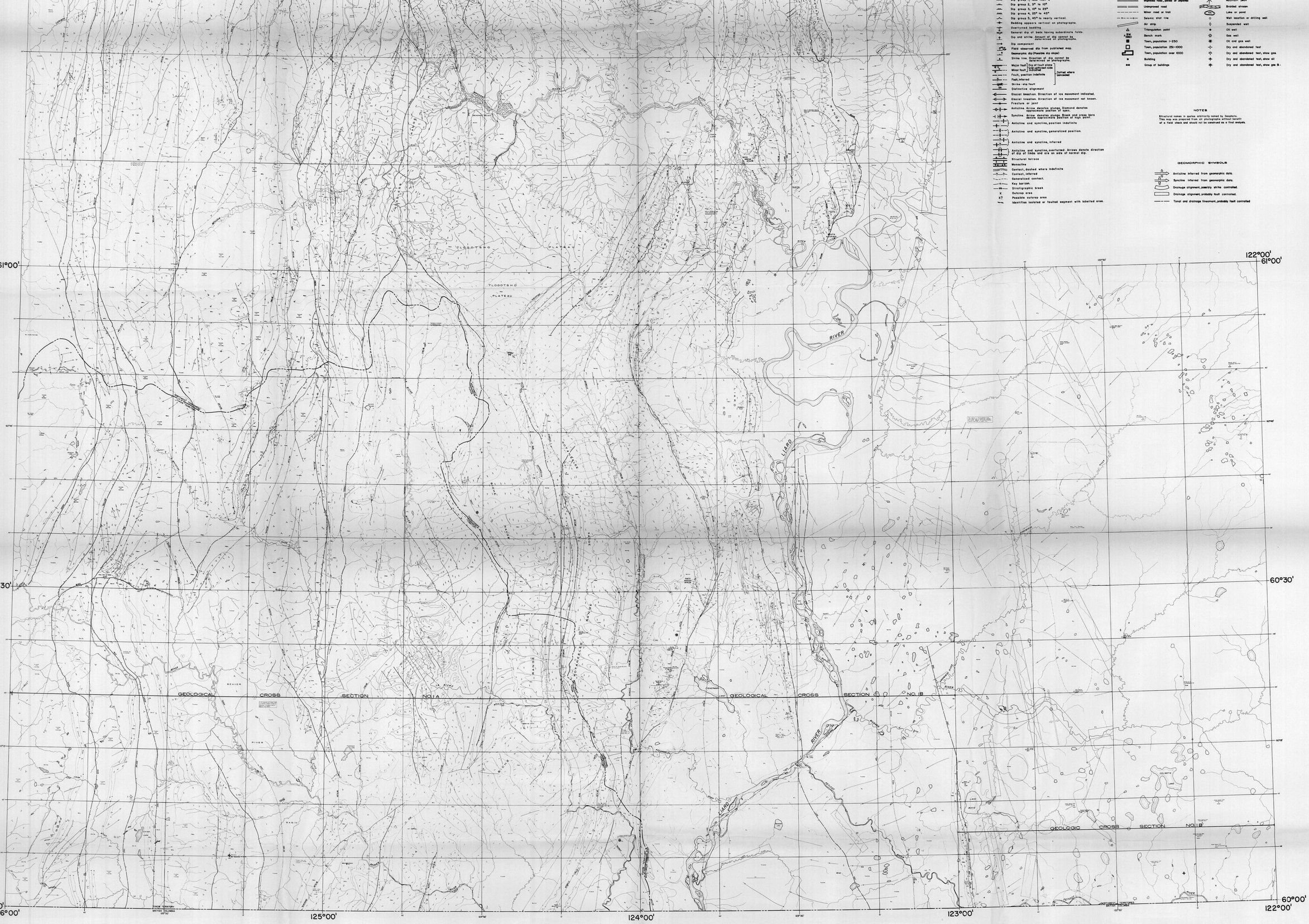
- Improved road, paved or unpaved
- Unimproved road
- Winter road or trail
- Seismic shot line
- Air strip
- Triangulation point
- BM 1980 — Bench mark
- Town, population 1-250
- Town, population 251-1000
- Town, population over 1000
- Building
- Group of buildings
- Mountain peak
- Braided stream
- Lake or pond
- Well location or drilling well
- Suspended well
- Oil well
- Gas well
- Oil and gas well
- Dry and abandoned test
- Dry and abandoned test, show gas
- Dry and abandoned test, show oil
- Dry and abandoned test, show gas & oil

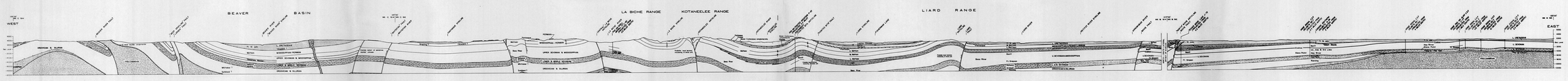
NOTES

Structural names in quotes arbitrarily named by Geophoto. This map was prepared from air photographs without benefit of a field check and should not be construed as a final analysis.

GEOMORPHIC SYMBOLS

- Anticline inferred from geomorphic data.
- Syncline inferred from geomorphic data.
- Drainage alignment, possibly strike controlled.
- Drainage alignment, probably fault controlled.
- Tonal and drainage lineament, probably fault controlled





GEOLOGIC CROSS SECTION NO.1A

GEOLOGIC CROSS SECTION NO.1B

SOUTH COMPOSITE MAP