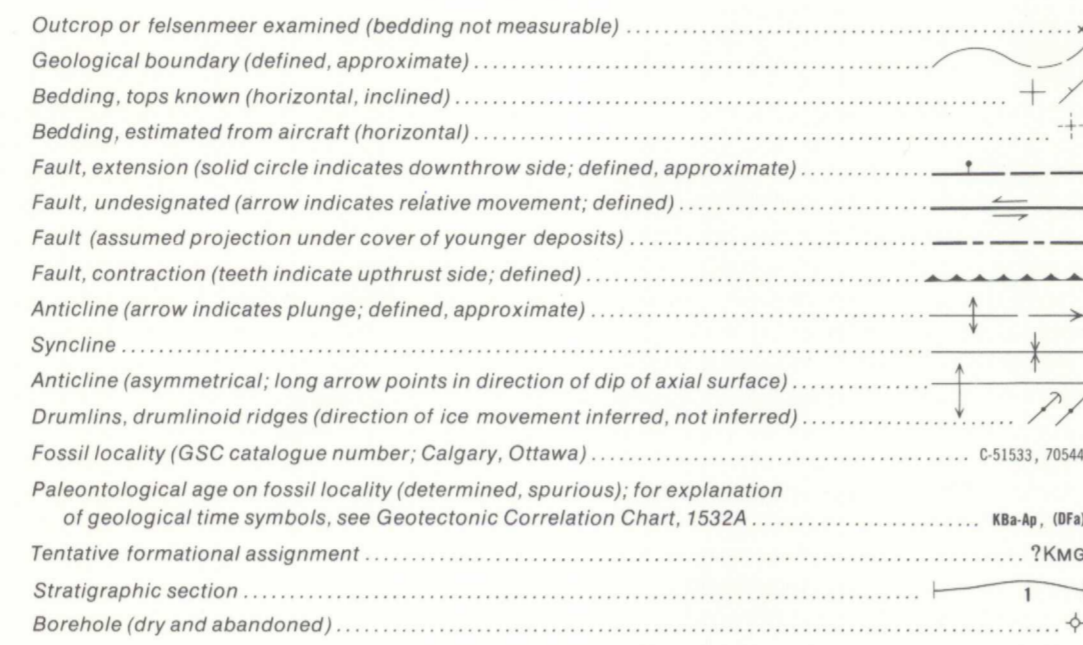


LEGEND

GENOZOIC	QUATERNARY				
	HOLOCENE				
	Qf	Fluviatile silt, sand and gravel, in part with cover of organic deposits; undivided			
	Qff	Fluviatile deposits of fans and fan aprons; silt, sand and gravel, in part with cover of organic deposits			
MESOZOIC	CRETACEOUS				
	UPPER CRETACEOUS				
	Kbc	BOUNDARY CREEK FORMATION: mudstone, bituminous, bentonitic; marine			
	LOWER CRETACEOUS				
	KAR	ARCTIC RED FORMATION: shale and siltstone; marine			
	KRR	RAT RIVER FORMATION: sandstone, shale and conglomerate; marine; may include Martin House Formation locally			
	KMG	MOUNT GOODENOUGH FORMATION: sandstone and siltstone; marine			
	KMC	MARTIN CREEK FORMATION: sandstone, shale and coal; marine and nonmarine; includes Kwc in Richardson Mountains			
	The new formation names Martin Creek, Mount Goodenough and Rat River are after J.A. Jelletzky (in press)				
	JURASSIC AND CRETACEOUS				
JURASSIC AND LOWER CRETACEOUS					
JKH	HUSKY FORMATION: shale, siltstone and ironstone; marine	JKMB	NORTH BRANCH FORMATION: sandstone and conglomerate; marine		
JURASSIC					
BUG CREEK GROUP					
JAK	AKLAVIK FORMATION: sandstone, bluff-forming; marine	JBC	BUG CREEK GROUP: undivided		
The new formation name Aklavik is after T.P. Poulton (in press)					
PALEOZOIC	PERMIAN				
	LOWER AND MIDDLE PERMIAN				
	Pu	Shale, siltstone, sandstone and limestone; marine; undivided			
	CARBONIFEROUS				
	LOWER CARBONIFEROUS				
	Cf	Shale, silty; marine and nonmarine?			
	Ct	TUTTLE FORMATION: sandstone and conglomerate; fluviatile			
	The new formation name Tuttle is after D.C. Pugh (in press)				
	DEVONIAN				
	UPPER DEVONIAN				
Dus	Shale and siltstone; marine				
Di2	IMPERIAL FORMATION (Di1 - Di2) Upper part: sandstone and siltstone; marine	Di	IMPERIAL FORMATION: undivided		
Di1	Lower part: shale and siltstone; marine				
Dca	CANOL FORMATION: shale, siliceous; marine. (Subsurface only)				
MIDDLE DEVONIAN					
Dhu	HUME FORMATION: limestone and shale; marine. (Subsurface only)				
LOWER AND MIDDLE DEVONIAN					
Dg	GOSSAGE FORMATION: limestone and dolomite; marine. (Subsurface only)				
CAMBRIAN TO DEVONIAN					
UPPER CAMBRIAN TO LOWER DEVONIAN					
CDR4	ROAD RIVER FORMATION (CDR1,3,4) Shale and limestone; marine	CDR	ROAD RIVER FORMATION: undivided	Cdb	Limestone, dolomite and shale; marine. (Subsurface only)
CDR3	Siltstone and limestone; marine				
CDR1	Shale and limestone; marine				
CAMBRIAN					
LOWER CAMBRIAN					
C1	Limestone and dolomite; marine				
PROTEROZOIC	? HELIKIAN				
	Pu	Limestone, dolomite and argillite; marine			



Geology by D.K. Norris, 1974

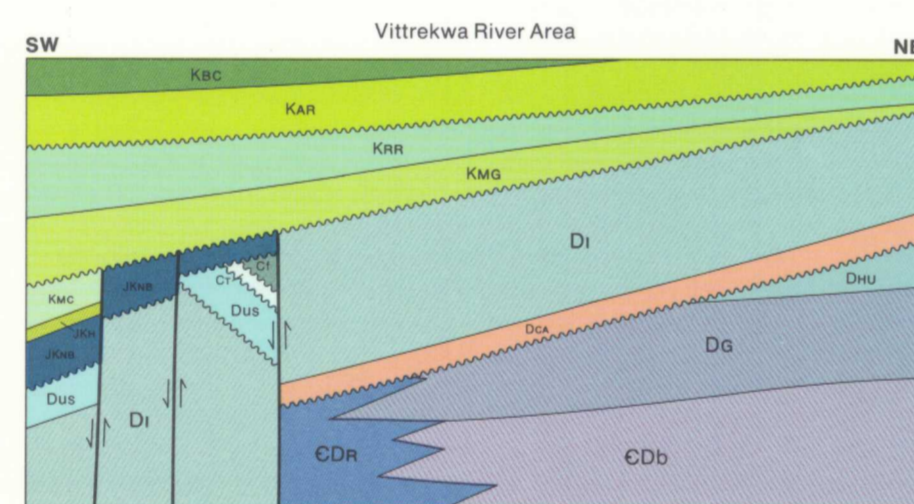
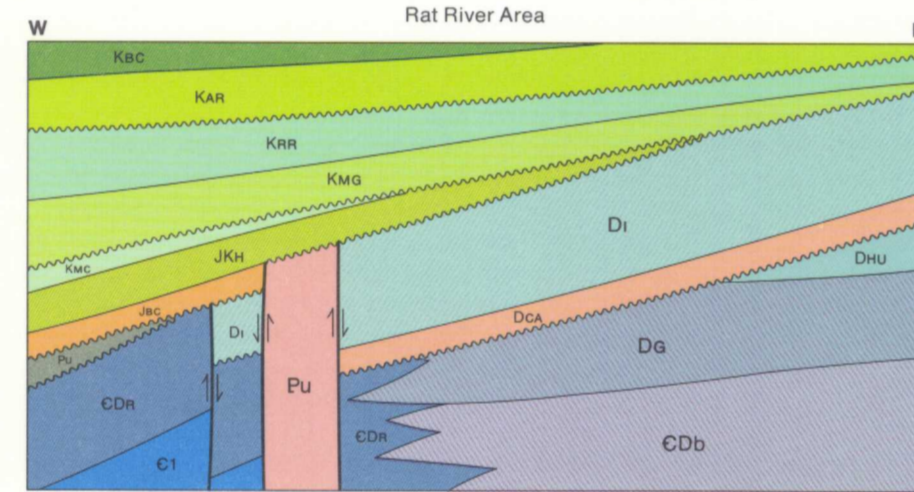
SCHEDULE OF WELLS

- R.O. Corp. et al. Pt. Separation No. 1; T.D. 2445 m
 - IOE Stony I-50; T.D. 3343 m
 - IOE Nevejo M-5; T.D. 2379 m
 - IOE Stony Core Holes C-2, F-42, F-52, F-52A; T.D. 311 m
 - Banff Aquit Arco Rat Pass K-35; T.D. 1830 m
 - Banff Aquit Arco Treeless Creek I-51; T.D. 1832 m
 - Union Amoco McPherson B-25; T.D. 2888 m
 - Skelly-Gatty Amoco Ft. McPherson C-78; T.D. 3058 m
 - Dome Union IOE Stony G-06; T.D. 2530 m
 - Bluemount et al. Gulf South Delta J-80; T.D. 2896 m
- Note: Well listing is chronological in order of spudding date

ACKNOWLEDGMENTS

Geological synthesis based on field observations and/or paleontological determinations made by the following geologists and industry geological departments, listed alphabetically, with corresponding years of field activity where applicable: Geological Survey of Canada - W.W. Bidaux; T.P. Chamney, 1962; W.H. Fritz, 1973; O.L. Hughes, 1962; J.A. Jelletzky, 1958; E.W. Mountjoy, 1962; D.K. Norris, 1962; 1973, 1975; R.A. Price, 1962; R.M. Procter, 1962; G.C. Taylor, 1962. Industry geological departments - W.B. Brady Consulting Ltd., 1972; Shell Canada Ltd., 1971; Texaco Exploration Ltd., 1958.

SCHEMATIC STRATIGRAPHIC RELATIONSHIPS



Unconformity

Geological cartography by M.D. Wallace, Institute of Sedimentary and Petroleum Geology, Geological Survey of Canada

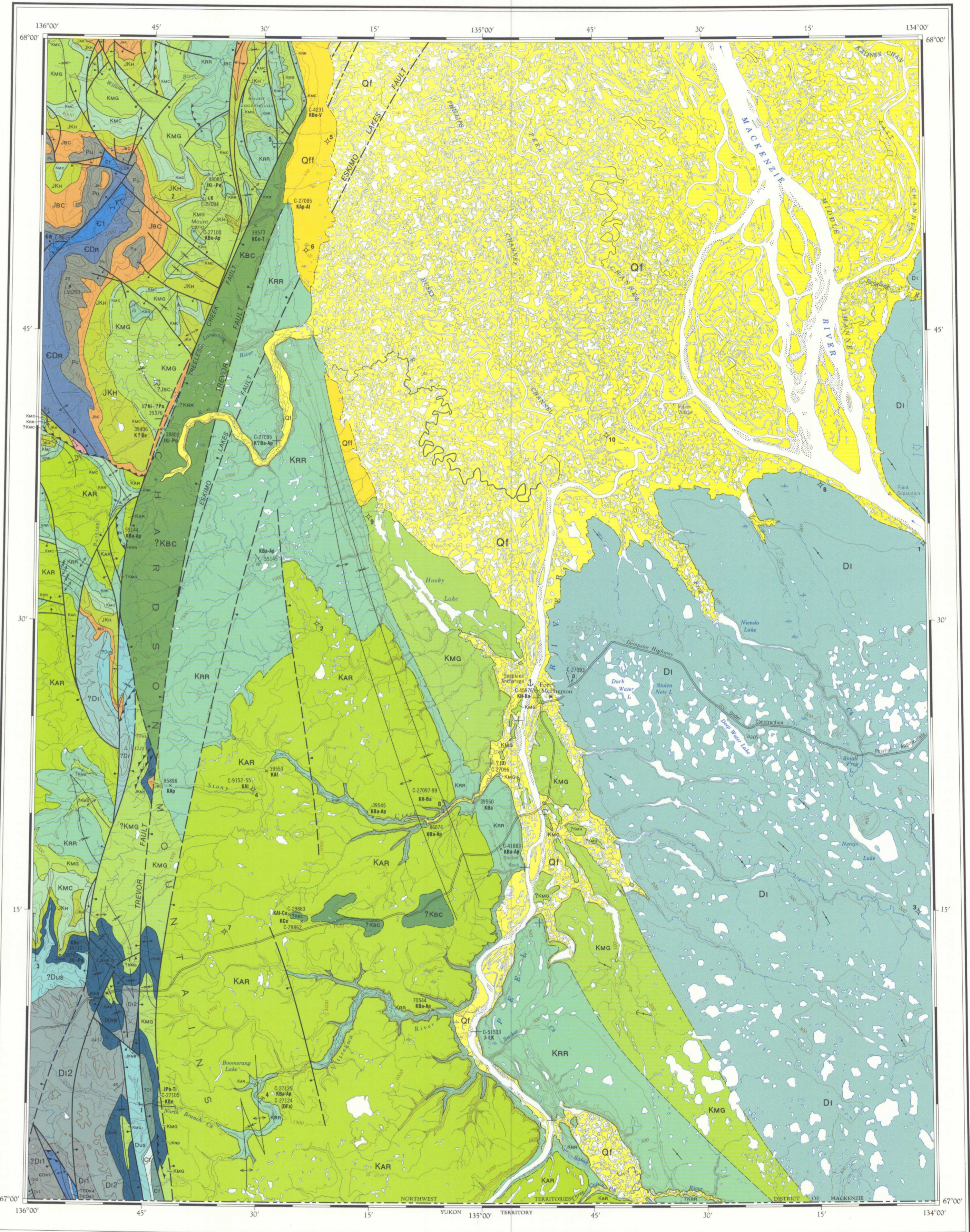
Any revisions or additional information known to the user would be welcomed by the Geological Survey of Canada

Base map at the same scale published by the Surveys and Mapping Branch in 1959

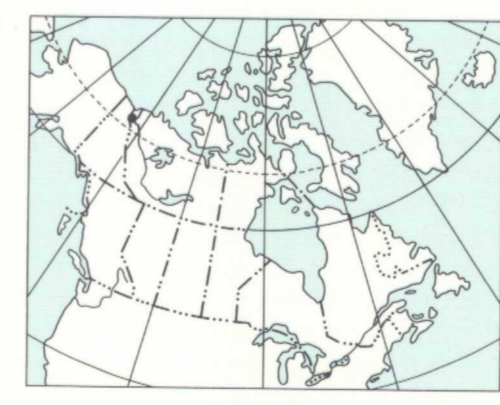
Copies of the topographical edition of this map may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa

Magnetic declination 1980 varies from 37°43.8' easterly at centre of west edge to 38°28.5' easterly at centre of east edge. Mean annual change 7.3' westerly

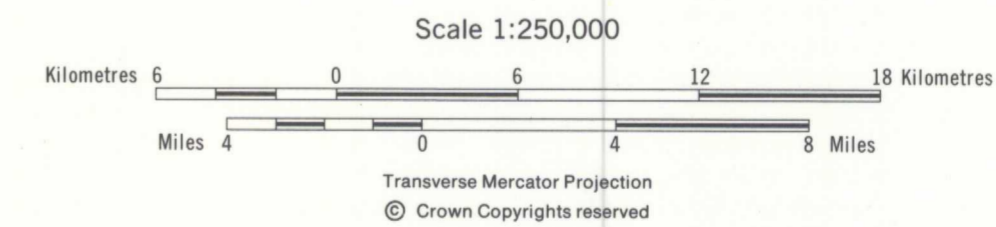
Elevations in feet above mean sea level



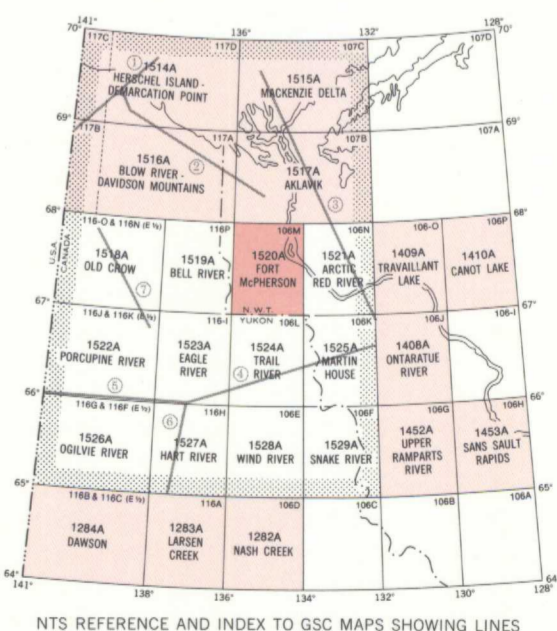
Copies of this map may be obtained from the Geological Survey of Canada, 601 Booth Street, Ottawa, Ontario K1A 0E8, 3303, 33rd Street N.W., Calgary, Alberta T2, 2A7



MAP 1520A
 GEOLOGY
FORT McPHERSON
 DISTRICT OF MACKENZIE



THE STRUCTURE SECTION DIAGRAM AND GEOTECTONIC CORRELATION CHART FOR THE AREA COVERED BY MAPS 1514A TO 1529A ARE AVAILABLE SEPARATELY AS SHEETS 1530A AND 1532A



NOT TO BE TAKEN FROM LIBRARY
 NE PAS SORTIR DE LA BIBLIOTHÈQUE

MAP 1520A
 FORT McPHERSON
 DISTRICT OF MACKENZIE

1520A