NORTH DAKOTA GEOLOGICAL SURVEY

MISCELLANEOUS MAP NO. 7

PRE-MESOZOIC PALEOGEOLOGIC MAP OF NORTH DAKOTA

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CANADA

MONTANA

SOUTH DAKOTA

NORTH DAKOTA

DIVIDE
BURKE
WILLIAMS
MOUNTRAIL
WARD
MCHENRY
PIERCE
RENVILLE
BOTTINEAU
ROLETTE
TOWNER
CAVALIER
PEMBINA
WALSH
NELSON
GRAND FORKS
MCKENZIE
MCLEAN
SHERIDAN
WELLS
FOSTER
GRIGGS
STEELE
TRAILL
DUNN
MERCER
OLIVER
BURLEIGH
KIDDER
STUTSMAN
BARNES
CASS
BILLINGS
GOLDEN VALLEY
STARK
MORTON
SLOPE
HETTINGER
GRANT
EMMONS
LOGAN
LAMOURE
RANSOM
RICHLAND
BOWMAN
ADAMS
SIOUX
MCINTOSH
DICKEY
SARGENT
EDDY
FOSTER

WILLISTON
MINOT
DEVILS LAKE
JAMESTOWN
DICKINSON
BISMARCK
FARGO

LEGEND

Systems	Rock Units
Permian	Minnekahta formation
	Opeche formation
Pennsylvanian	Minnelusa formation
	Amsden formation
	Heath & Otter formations undifferentiated
	Kibbey formation
	Poplar interval
Mississippian	Ratcliffe interval
	Midale sub-interval
Madison group	Frobisher - Alida interval
	Tilston interval
	Bottineau interval
Devonian	Birdbear formation
	Devonian undifferentiated
Silurian	
Ordovician	
Cambrian	
Precambrian	

sedimentation break

SYMBOLS

Oil fields
Control wells

0 5 10 20 30 40 MILES