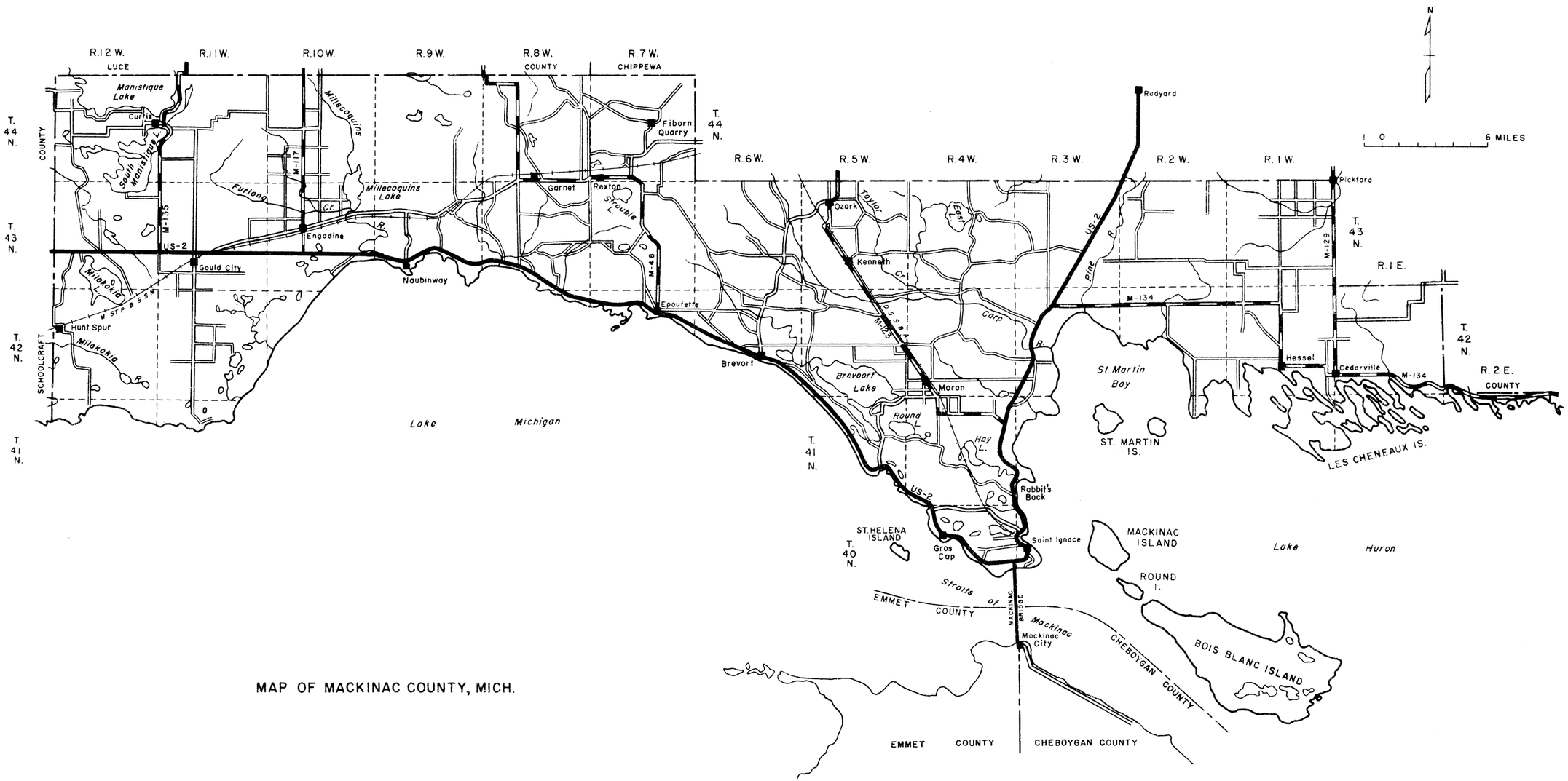
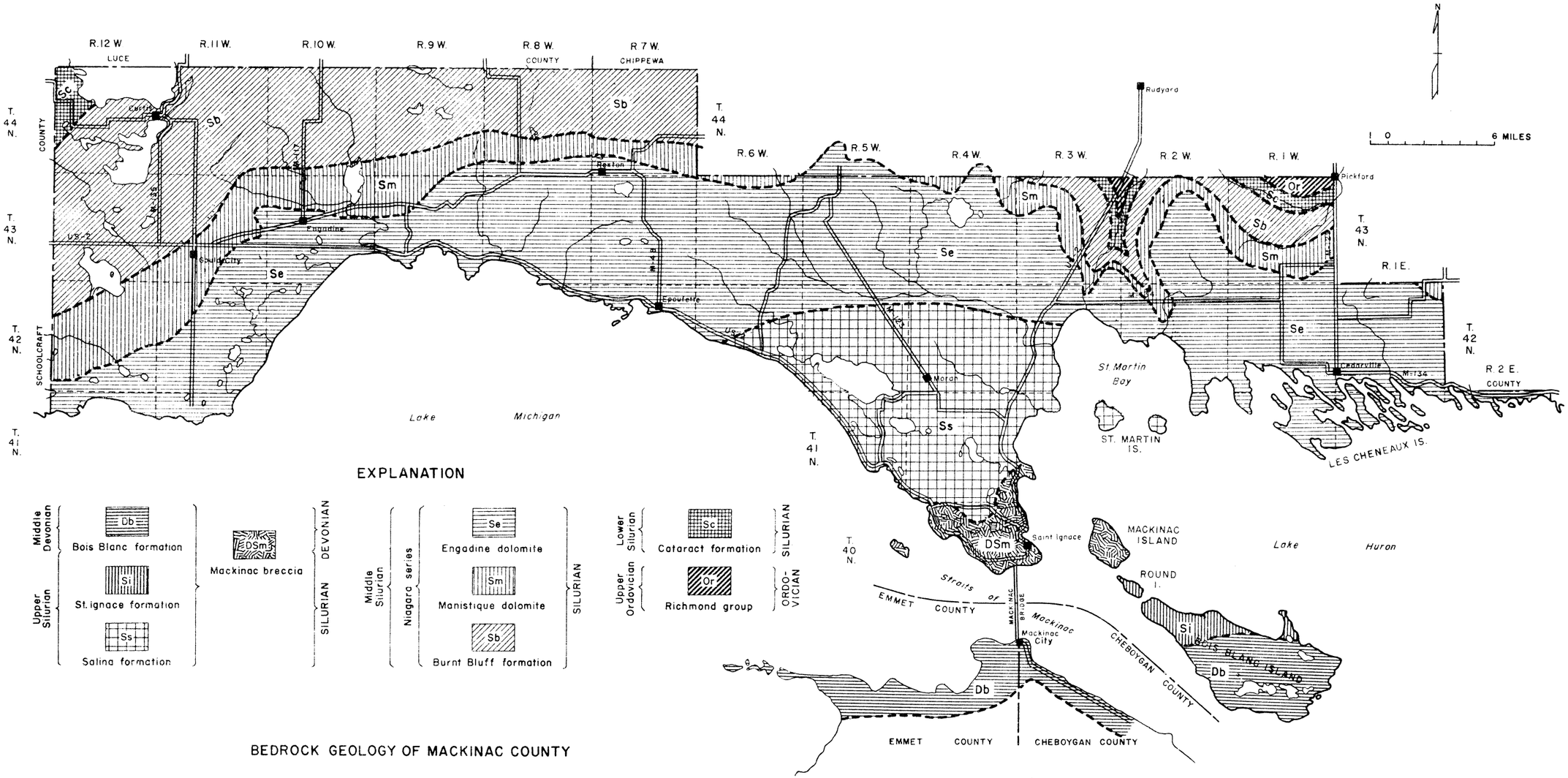
PLATE I



MAP OF MACKINAC COUNTY, MICH.

PLATE 2

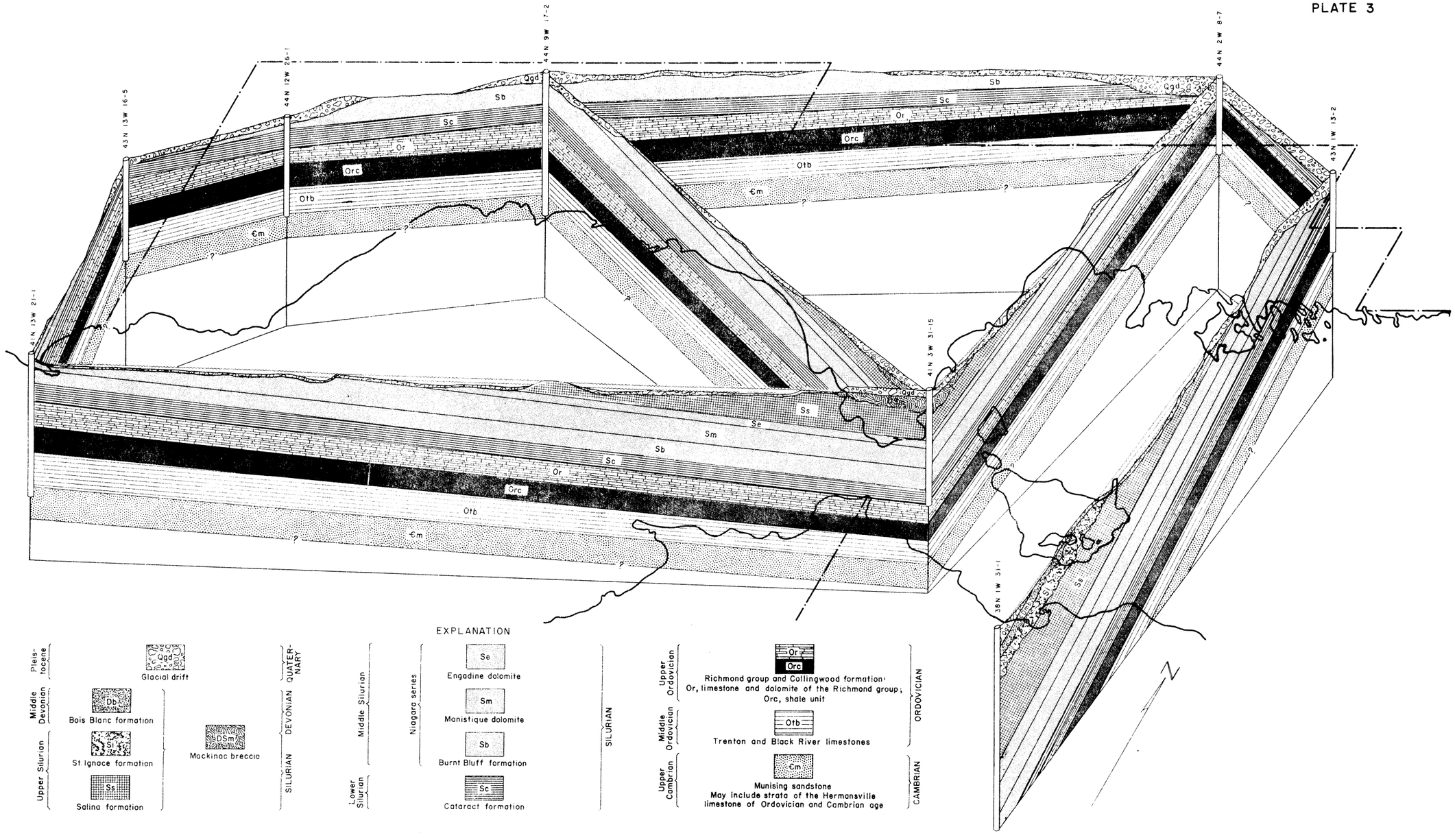


EXPLANATION

Middle Devonian	Db	Bois Blanc formation	DSm	Mackinac breccia	DEVONIAN
Upper Silurian	Si	St. Ignace formation			SILURIAN
	Ss	Saline formation			
Middle Silurian	Niagara series	Se	Engadine dolomite		SILURIAN
		Sm	Manistique dolomite		
		Sb	Burnt Bluff formation		
Lower Silurian	Sc	Cataract formation			SILURIAN
Upper Ordovician	Or	Richmond group			ORDOVICIAN

BEDROCK GEOLOGY OF MACKINAC COUNTY

PLATE 3

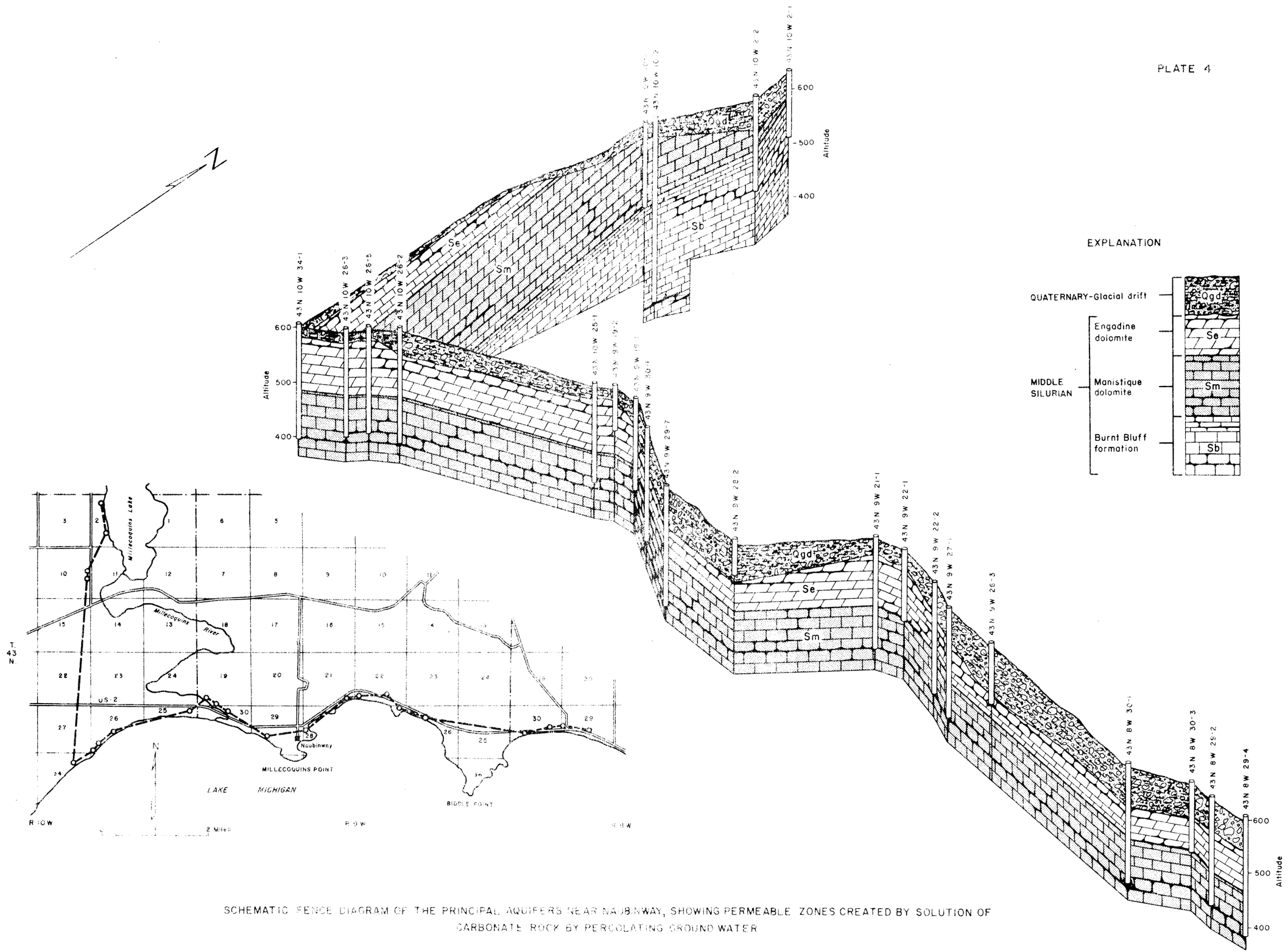


EXPLANATION

Pleistocene	Qgd	Glacial drift	QUATERNARY
Middle Devonian	Db	Bois Blanc formation	DEVONIAN
Upper Silurian	Sl	St Ignace formation	SILURIAN
	DSm	Mackinac breccia	
	Sl	Salina formation	
Middle Silurian, Niagara series	Se	Engadine dolomite	SILURIAN
	Sm	Manistique dolomite	
	Sb	Burnt Bluff formation	
Lower Silurian	Sc	Cataract formation	
Upper Ordovician	Or, Orc	Richmond group and Collingwood formation: Or, limestone and dolomite of the Richmond group; Orc, shale unit	ORDOVICIAN
Middle Ordovician	Otb	Trenton and Black River limestones	
Upper Cambrian	Cm	Munising sandstone May include strata of the Hermansville limestone of Ordovician and Cambrian age	CAMBRIAN

FENCE DIAGRAM OF GEOLOGIC SECTIONS SUPERIMPOSED ON ISOMETRIC MAP OF THE STRAITS OF MACKINAC REGION

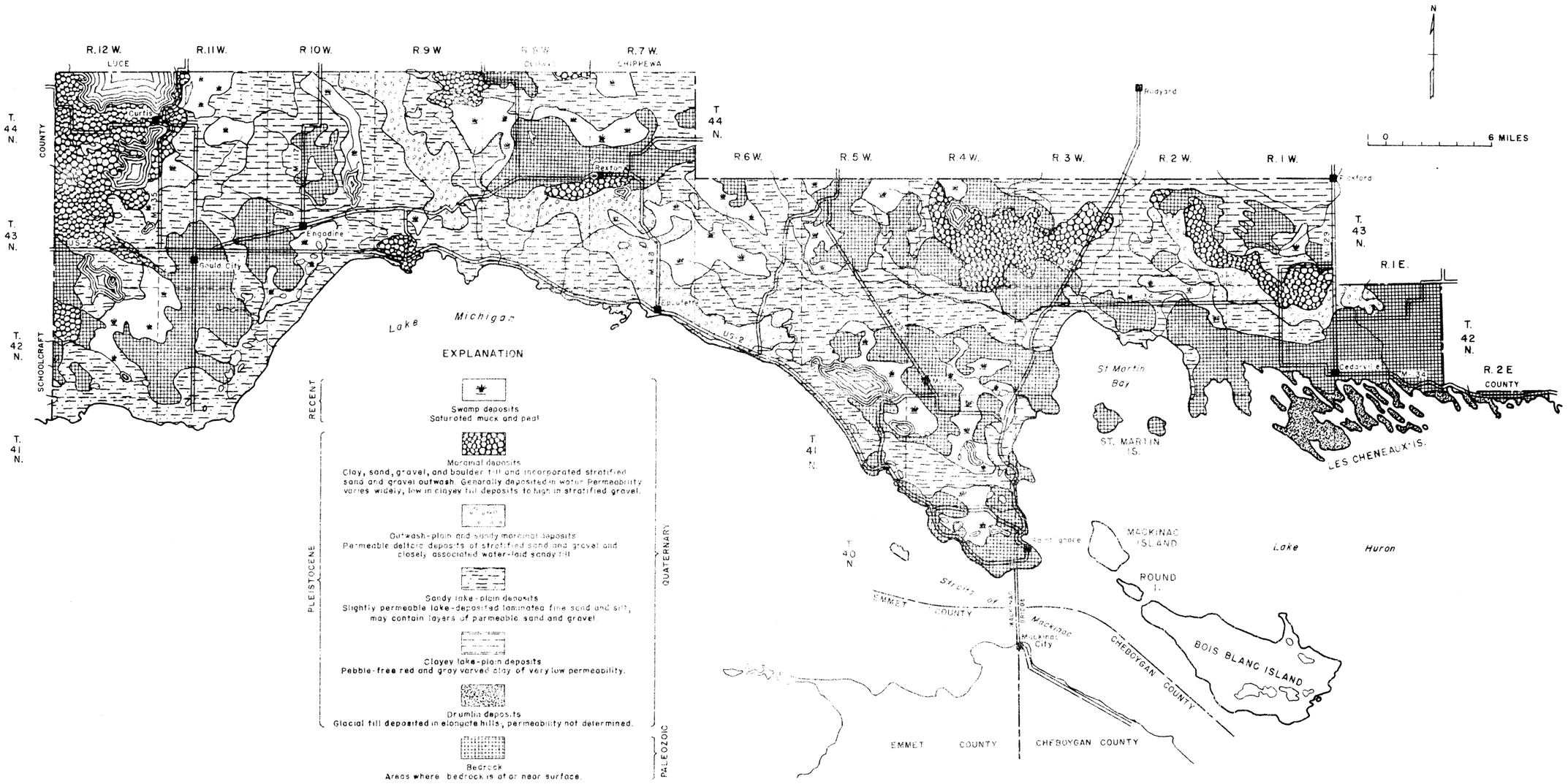
PLATE 4



EXPLANATION

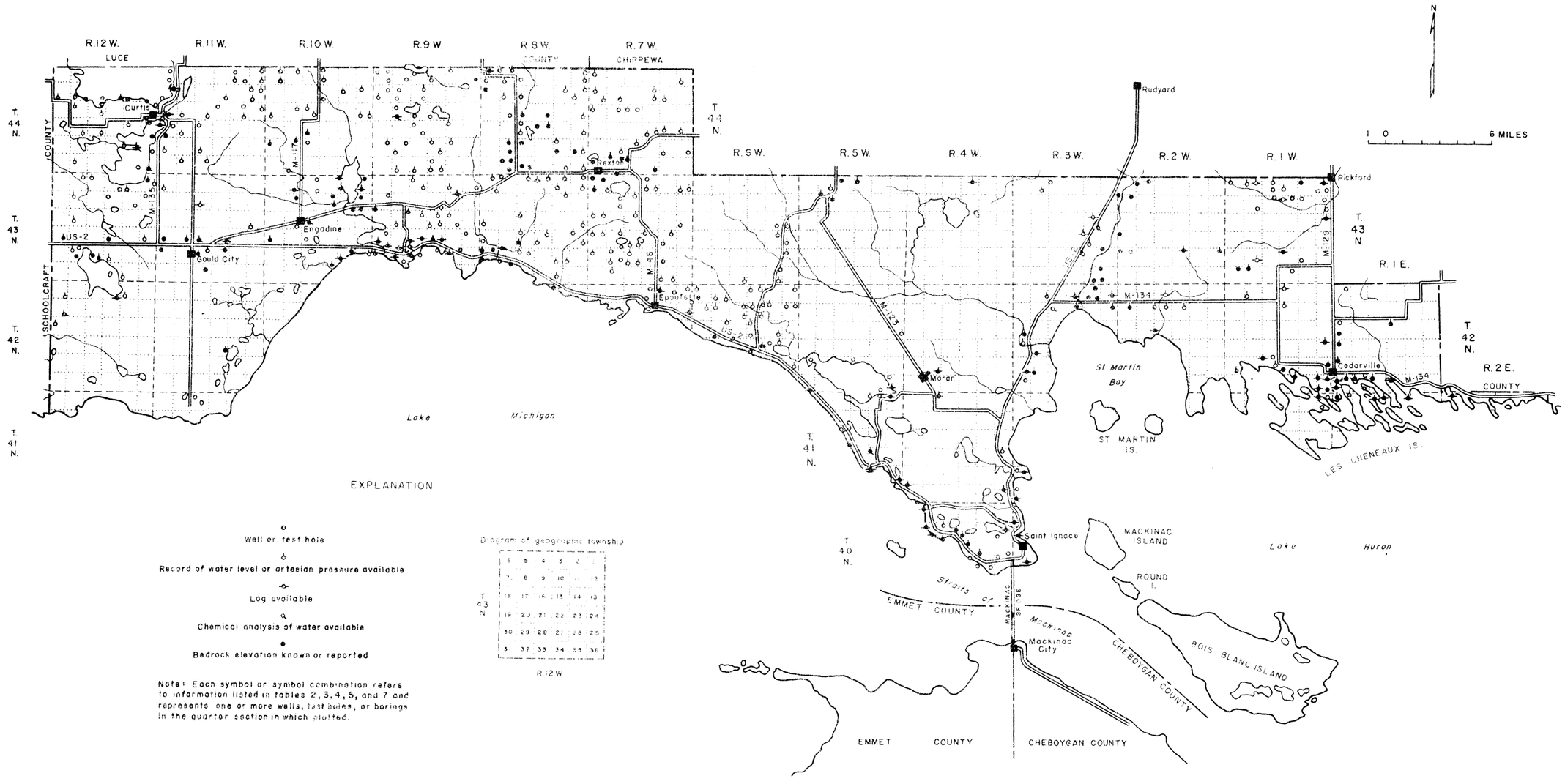
SCHEMATIC FENCE DIAGRAM OF THE PRINCIPAL AQUIFERS NEAR NAUBINWAY, SHOWING PERMEABLE ZONES CREATED BY SOLUTION OF CARBONATE ROCK BY PERCOLATING GROUND WATER

PLATE 5



SURFACE GEOLOGY OF MACKINAC COUNTY

PLATE 6



EXPLANATION

- Well or test hole
- Record of water level or artesian pressure available
- Log available
- Chemical analysis of water available
- Bedrock elevation known or reported

Note: Each symbol or symbol combination refers to information listed in tables 2, 3, 4, 5, and 7 and represents one or more wells, test holes, or borings in the quarter section in which plotted.

Diagram of geographic township

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

T. 43 N.
R12W

INDEX MAP OF MACKINAC COUNTY, SHOWING AVAILABILITY OF HYDROLOGIC, GEOLOGIC, AND QUALITY-OF-WATER DATA