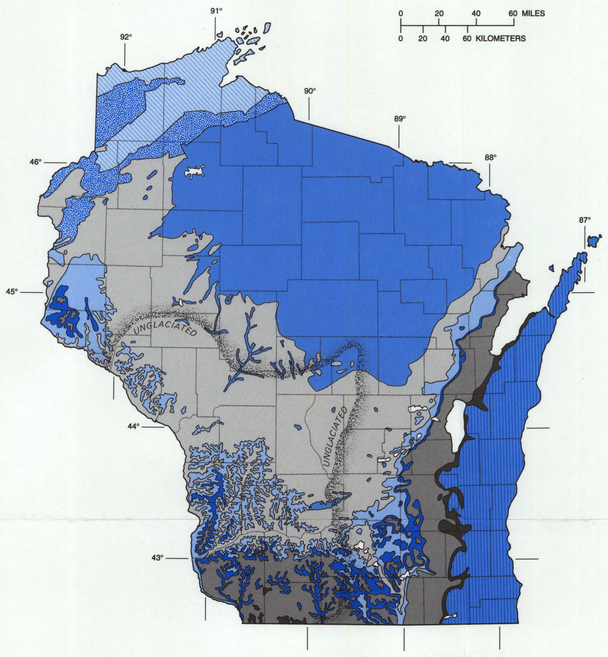
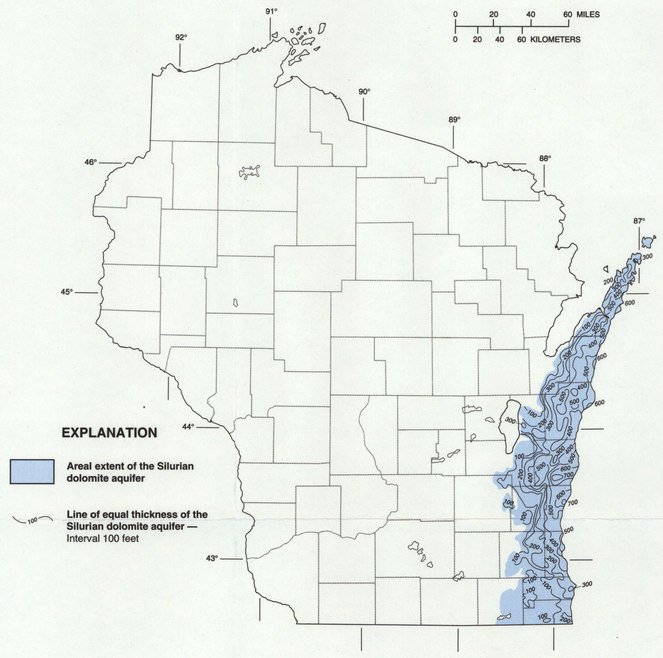
EXPLANATION

EON	ERA	PERIOD	GEOLOGIC UNIT (MAP)	GEOLOGIC SECTION		DOMINANT LITHOLOGY	AQUIFER
PHANEROZOIC	PALEOZOIC	DEVONIAN	DEVONIAN AND SILURIAN SYSTEMS, UNDIVIDED	DEVONIAN SYSTEM, UNDIVIDED		DOLOMITE AND SHALE	SILURIAN DOLOMITE
		SILURIAN		SILURIAN SYSTEM, UNDIVIDED		DOLOMITE	
		ORDOVICIAN	MAQUOKETA FORMATION	NEDA FORMATION		SHALE	MAQUOKETA FORMATION
				MAQUOKETA FORMATION		SHALE	
			SINNIPEE GROUP	SINNIPEE GROUP		DOLOMITE	UPPER SANDSTONE (SANDSTONE)
			ANCELL GROUP	GLENWOOD FORMATION		DOLOMITIC SANDSTONE; SHALE AND SILTSTONE	
				ST. PETER FORMATION		SANDSTONE	
			PRAIRIE DU CHIEN GROUP	PRAIRIE DU CHIEN GROUP		DOLOMITE	
		CAMBRIAN	CAMBRIAN SYSTEM, UNDIVIDED	TREMPEALEAU GROUP	JORDAN SANDSTONE	SANDSTONE, SOME DOLOMITE	
					ST. LAWRENCE FORMATION	DOLOMITE; SANDY DOLOMITE; SHALEY SANDSTONE; SILTSTONE	
				TUNNEL CITY GROUP		SANDSTONE; SHALEY SANDSTONE	?
				ELK MOUND GROUP	WONEWOC SANDSTONE	SANDSTONE	? LOWER SANDSTONE (SANDSTONE)
					EAU CLAIRE SANDSTONE	DOLOMITIC SANDSTONE; SHALE AND SILTSTONE IN UPPER PART	
					MOUNT SIMON SANDSTONE	SANDSTONE	
PRECAMBRIAN			BAYFIELD AND ORONTO GROUPS, UNDIVIDED	KEWEENAWAN SUPERGROUP	BAYFIELD GROUP	SANDSTONE	LAKE SUPERIOR SANDSTONE
					ORONTO GROUP	SANDSTONE, SILTSTONE, SHALE AND CONGLOMERATE	
			VOLCANIC SEQUENCE		VOLCANIC SEQUENCE	BASALT FLOWS AND MAFIC VOLCANIC ROCKS WITH MINOR INTERBEDDED SEDIMENTARY ROCKS	PRECAMBRIAN LAVA FLOWS
			BASEMENT COMPLEX	BASEMENT COMPLEX (CRYSTALLINE ROCKS)		GRANITE, GNEISS, METASEDIMENTARY AND METAVOLCANIC ROCKS	BASEMENT COMPLEX
			EXTENT OF GLACIATION				



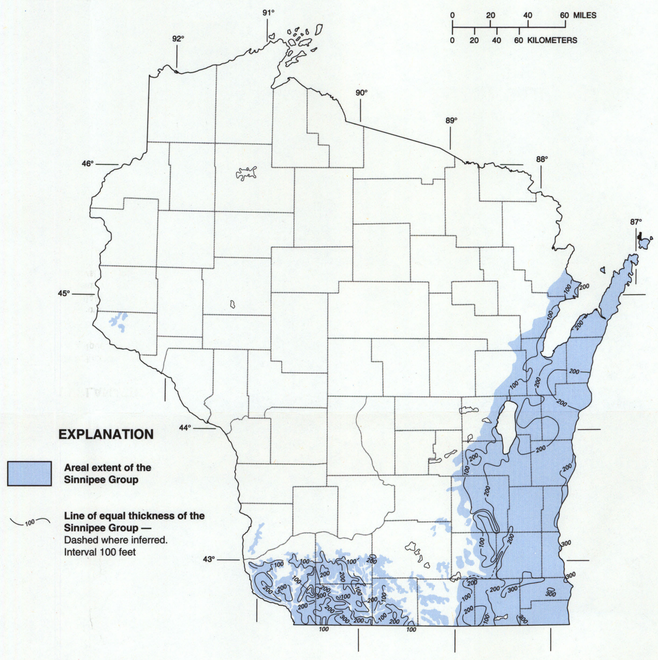
Geology modified from Wisconsin Geological and Natural History Survey, 1981; M.G. Mudrey, Jr. and others, 1982

BEDROCK GEOLOGY OF WISCONSIN



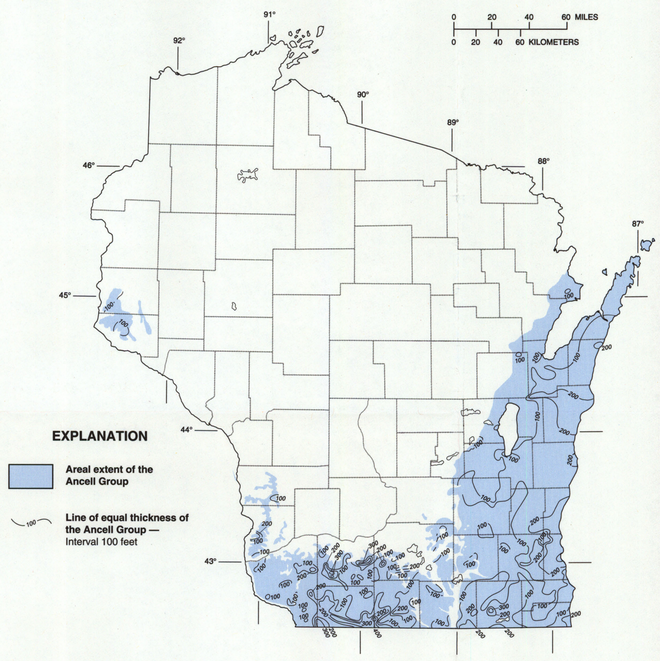
THICKNESS OF THE SILURIAN DOLOMITE AQUIFER

(Thickness modified from J.J. Schiller, U.S. Geological Survey, written comm., 1979)



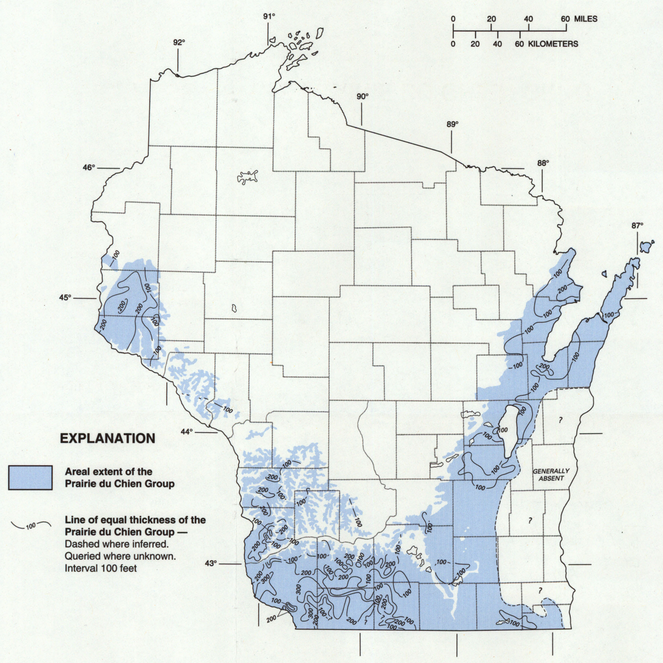
THICKNESS OF THE SINNIPEE GROUP

(Thickness modified from L.C. Trotta, U.S. Geological Survey, written comm., 1983)



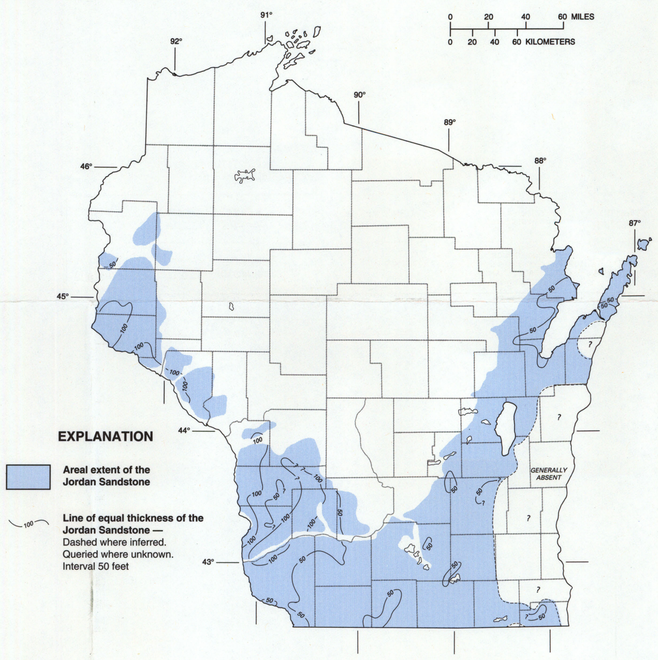
THICKNESS OF THE ANCELL GROUP

(Thickness modified from L.C. Trotta, U.S. Geological Survey, written comm., 1983)



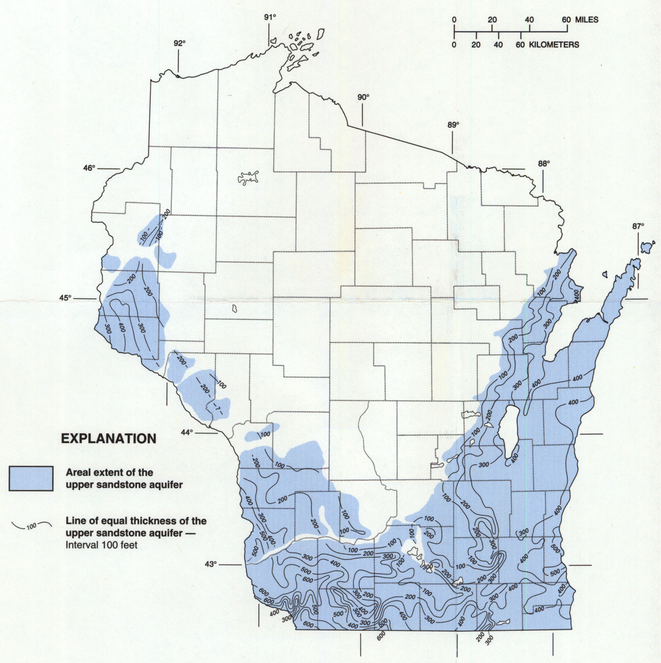
THICKNESS OF THE PRAIRIE DU CHIEN GROUP

(Thickness modified from L.C. Trotta, U.S. Geological Survey, written comm., 1983)



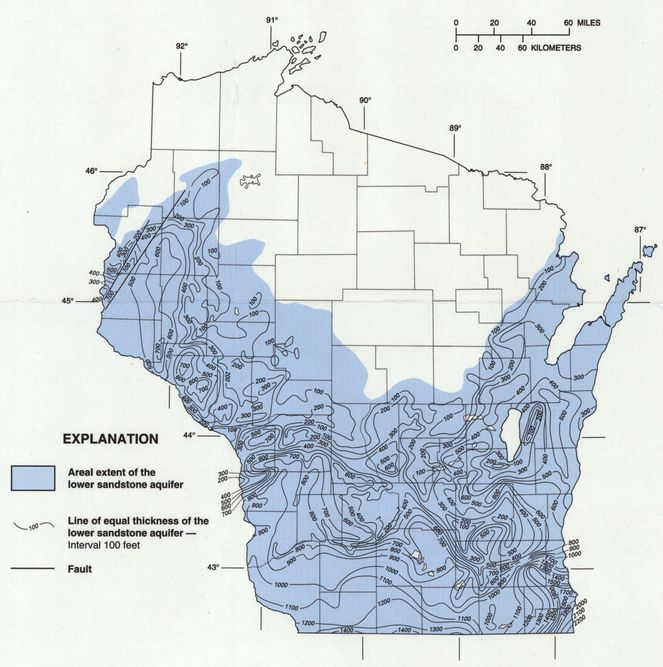
THICKNESS OF THE JORDAN SANDSTONE

(Geology and thickness modified from L.C. Trotta, U.S. Geological Survey, written comm., 1983)



THICKNESS OF THE UPPER SANDSTONE AQUIFER

(Geology and thickness modified from L.C. Trotta, U.S. Geological Survey, written comm., 1983)



THICKNESS OF THE LOWER SANDSTONE AQUIFER

(Geology and thickness modified from L.C. Trotta, U.S. Geological Survey, written comm., 1983)

PLATE 1. BEDROCK GEOLOGY OF WISCONSIN AND THICKNESS OF SELECTED GEOLOGIC UNITS