

TABLE DR-1. LOCATIONS FOR SAMPLE COLLECTION SITES IN WISCONSIN

Sample	Township and range	Locality	Notes
<u>St. Peter Sandstone: Wisconsin Arch</u>			
<u>Quartz</u>			
WI-SP-1,-2	Sec. 15-T7N-R7E	1	Road cut, County P
WI-SP-3,-4	Sec. 18-T10N-R3E	2	Gibraltar Buff
WI-SP-5,-6	Sec. 3-T6N-R7E	3	Klevenville Quarry
WI-SP-7	Sec. 14-T4N-R7E	4	Road cut, Highway 69
WI-SP-10	Sec. 18-T3N-R8E	5	Road cut, Highway 69
WI-SP-11	Sec. 5-T1N-R9E	6	Road cut, County OK and Hwy 11/81
<u>Zircons</u>			
WI-SP	Sec. 3-T6N-R7E	3	Klevenville Quarry
<u>Galesville Sandstone: Wisconsin Arch</u>			
<u>Quartz</u>			
GALE-D1	Sec. 20-T13N-R6E	7	Road cut, Highway 94
GALE-D6	Sec. 9-T13N-R6E	8	Road cut, Highway 12/16
GALE-D4	Sec. 32-T14N-R6E	9	Road cut, Highway 94
GALE-D2	Sec. 8-T13N-R6E	10	Road cut, Highway 94
GALE-LR1	Sec. 19-T8N-R3E	11	Road cut, Highway 130
<u>Zircons</u>			
WI-G	Sec. 9-T13N-R6E	8	Road cut, Highway 12/16
<p>Note: Localities for St. Peter Sandstone samples are broadly scattered about a ~8,000 km² area west and south of Madison, WI. Localities for Galesville Sandstone samples are broadly scattered about a ~5,000 km² area west and north of Madison, WI. Samples WI-SP-3 and GALE-D2 also analyzed for REEs and Sm-Nd isotopes (Table 4).</p>			

**TABLE DR-2. LOCATIONS FOR SAMPLE
COLLECTION SITES IN THE MICHIGAN BASIN**

Sample	Locality	Core depth (meters)
<u>Shell Walczak, Bay County, Sec. 7-T14N-R5E</u>		
<u>Quartz</u>	12	
W10944.3		3335.7
W10950.2		3337.5
W10951.3		3337.8
W10951.7		3337.9
W10991.2		3350.0
W11002.9		3353.5
<u>Shell Whyte, Bay County, Sec. 33-T15N-R4E</u>		
<u>Quartz</u>	13	
SW10985.7		3348.3
SW10994.5		3351.0
SW10999.5		3352.5
SW11000		3352.6
SW11022.5		3359.5
SW11022.5		3359.5
SW11048.5		3367.4
SW11054.4		3369.2
SW11060.1		3371.0
SW11063.4		3372.0
SW11068**		3347.4
<u>Zircon</u>		
MI-SP	13	3370.9-3371.2

Note: Core samples are taken from two stratigraphic positions in the St. Peter Sandstone, each covering ~20 m intervals in the section (~200 m total thickness in the Michigan Basin).

**sample used for three-step dissolution experiments (Table 3) and REEs and Sm-Nd isotope analysis (Table 4).