

Andover Township, Ashtabula County, to 2,090 mg/l in Russia Township, Lorain County. Farther south (in Medina, Mahoning, and Stark Counties) total dissolved solids may exceed

ride in the northern group of counties where the sandstone

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Partial chemical analyses of water from the Berre Sandstone (Analyses by U.S. Geological Survey in milligrams per liter)					
Area	Iron (Fe)	Sulfate (SO ₄)	Chloride (Cl)	Dissolved solids (residue at 180° C.)	as CaCO ₃
ASHBLAND COUNTY					
Andover Twp.	0.36	8.4	4	213	191
Champion Twp.	35	27	6	272	244
CUYAHOGA COUNTY					
Bedford Twp.69	54	12	308	285
Bedford Twp.	11	29	19	320	250
Cleveland Twp.	34	204	144	1,149	1,212
Champion Twp.	1.0	520	1.0	520	520
Brecksville Twp.	3.5	66	26	236	196
Champion Twp.	1.2	61	2.5	234	196
Midland Twp.	0.6	6.3	6.5	233	196
Orange Twp.	1.2	61	2.5	234	196
Orange Twp.	1.2	21	10	234	132
Orange Twp.	8.2	63	1.5	554	463
Royalton Twp.	17.22	221	1,060	280	90
Worthington Twp.	13.19	21	564	15	90
LORAIN COUNTY					
Eaton Twp.20	61	100	620	435
Eaton Twp.	2.5	101	101	641	498
Eaton Twp.	34	18	24	114	303
Laguna Twp.	23	38	24	114	303
Ridgely Twp.	1.6	30	18	461	292
Union Twp.	36	960	140	2,090	613
PORTAGE COUNTY					
Aurora Twp.	3.70	63	17	257	188
Nelson Twp.	3.5	4	620	100	382
SUMMIT COUNTY					
Champion Twp.	95	91	8	440	372
TRUMBULL COUNTY					
Bassett Twp.	37	11	6	317	302
Champion Twp.	13	13	13	430	388

Areas most favorably situated for ground-water development and recharge to the sandstone aquifers are shown on the map above. In Trumbull County, these include areas adjacent to Mosquito Creek Reservoir and Mosquito Creek

Locally within this area, however, the coefficient of transmissibility is high owing to the presence of joints and voids in the sandstone. Relatively high transmissibility values were computed in a broad band extending from southeastern Ashtabula County into Trumbull County, in northeastern and central

deeply buried Cussewago Sandstone is more tightly cemented and contains more shale and clay than in Ohio.

By
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