

# Ground-Water Resources of WYANDOT COUNTY

by  
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Scale in miles  
1:62,500



Contour Interval: 10 feet

AREAS IN WHICH YIELDS OF 100 TO 500 GALLONS PER MINUTE MAY BE DEVELOPED.



Proven yields of as much as 500, or more, gallons per minute have been developed at depths of less than 275 feet. Farm and domestic supplies of 10 to 25 gallons per minute are often encountered at depths of less than 100 feet. Excessive dissolved solids-hardness and sulfates often deter use as municipal or industrial water supplies. Presence of high nitrates noted for area northwest of Carey.

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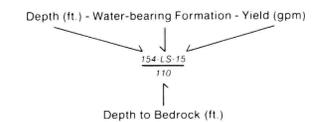


Carbonate aquifer beneath relatively thin glacial drift may yield as much as 100 gallons per minute at depths of less than 200 feet. Household supplies of less than 15 gallons per minute may be developed at depths of less than 100 feet. Poor quality noted.



Glacial deposits associated with the Fort Wayne moraine are as much as 60 to 140 feet thick. Domestic supplies may be developed from the thin lenses of sand and gravel interbedded in thick glacial till. However, most wells are deepened to the principal aquifer, the limestone bedrock.

- Domestic Well
- ⊙ Public or Industrial Well
- Ⓟ Well Site-Chemical Analysis
- ⚠ Test Well



### FORMATIONS

- S - Sand
- CL - Clay
- G - Gravel
- LS - Limestone

Site	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
Depth (feet)	63	125	51	130	200 <sup>a</sup>	200	180 <sup>b</sup>	62	220	240	58	300	320	59	87	290	
Length of Casing (feet)	12	82.5	32	25	64	39	35	56	49	36	55	76	14	28	-----	82	
Iron				0	1.2	3.5	3.6 <sup>a</sup>	11	-----	4.0	2.5	1.3	.35	2.5	2.8	3.0	
Hardness as CaCO <sub>3</sub>				400	1573	745	1440	2100	782	1710	1650	1800	905	1980	1000	909	941
Dissolved Solids				470	962	2160	4350	990	2420	2390	2740	1340	2790	1460	1350	1300	
Sulfates				436	1260	1190	334	1590	1510	1750	760	1670	750	784	780		
Chlorides				4	1.5	18	1350	5.0	23	12	9.5	20	55	30	13	14	
Hydrogen Sulfide				-----	5.0	2	1.4	1.0 <sup>a</sup>	-----	1.5	-----	-----	5.4	.0	.0	.8	
Nitrate NO <sub>3</sub>	136	31	75	-----	.1	.0	.0	.1	.7	.1	.3	.0	1.6	.01	.2	.1	
Aquifer	LS	LS	LS	LS	SG LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	
Critical Pumping Level	---	---	---	---	64	90	---	---	130	100	---	115	160	---	---	65	

Chemical Constituents as Milligrams per liter (mg/l.) a Plugged to 125' Field Analysis b. Well Abandoned Hydrocarbon Contamination

**ODNR**  
OHIO DEPARTMENT OF  
NATURAL RESOURCES

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The ground-water characteristics have been mapped regionally, based upon interpretations of water well records and the area's geology and hydrology. Well log data on the map were selected as typical for the areas shown. Information regarding specific sites may be obtained from the Division of Water.

Cartography: Douglas E. Ke

Index Map

