

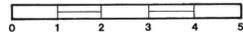
Ground-Water Resources of Lawrence and Gallia Counties

by James J. Schmidt



Index Map

Scale in Miles
1:135,000



LEGEND

- AREAS IN WHICH YIELDS OF 100 TO 500, OR MORE GALLONS PER MINUTE CAN BE DEVELOPED
Permeable deposits of sand and gravel beneath the floodplain adjacent to the Ohio River. Properly constructed and located wells have a potential yield in excess of 500 gallons per minute. Wells range in depth from 40 to 90 feet with the average about 75 feet.
- AREAS IN WHICH YIELDS OF 25 TO 100 GALLONS PER MINUTE CAN BE DEVELOPED
Regionally extensive deposits of sand and gravel beyond direct recharge influence of the Ohio River. Test drilling is recommended to locate the more coarse deposits to prove maximum potential of aquifer.
- AREAS IN WHICH YIELDS OF LESS THAN 3 GALLONS PER MINUTE CAN BE DEVELOPED
Alternating layers of shale and thin sandstones yield less than 2 gallons per minute at depths of less than 125 feet. Cisterns often used to store roof water runoff, and dry wells are noted. Deeper drilling may encounter brackish water.

275-SS,SH-0
3

Depth (ft) - Water-bearing formation-yield (gpm)
Depth to bedrock (ft.)

- Water Well
- ▲ Test Well
- Municipal Well
- △ Site-Chemical Analysis
- ▼ Brackish Water
- S - Sand
- G - Gravel
- SS - Sandstone
- SH - Shale
- LS - Limestone

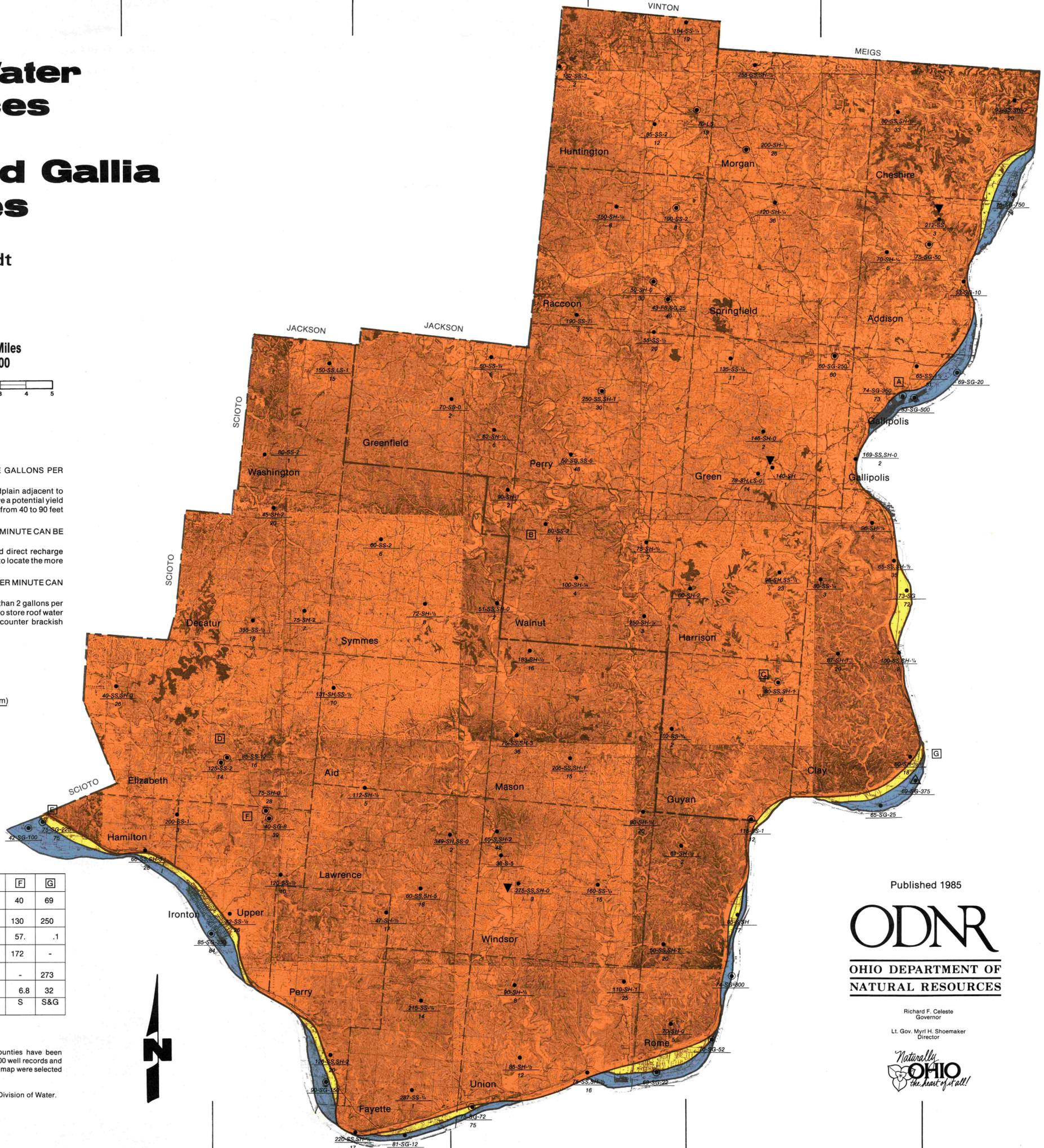
Well Site	A	B	C	D	E	F	G
Depth (Ft.)	74	60	-	85	75	40	69
Hardness as CaCO ₃	404	119	270	160	265	130	250
Iron	2.3	.35	.08	5.3	1.5	57.	.1
Chloride	27	117	1.0	3.0	20	172	-
Dissolved Solids	534	519	386	273	322	-	273
Sulfates	72	6.0	244	115	37	6.8	32
Aquifers Source	S&G	SS	Strip Pond	SS	S&G	S	S&G

Chemical Constituents in milligrams per liter (mg/l)

The ground-water characteristics of Gallia and Lawrence counties have been mapped regionally, based upon interpretations of more than 2300 well records and the areas geology and hydrology. Well log data indicated on the map were selected as typical for the areas shown.

Information regarding specific sites may be obtained from the Division of Water.

Total copies printed: 500
Unit cost: \$3.30
Publication date: 2/85
(includes paper costs)



Published 1985

ODNR
OHIO DEPARTMENT OF
NATURAL RESOURCES

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