

Ground Water Resources of LORAIN COUNTY

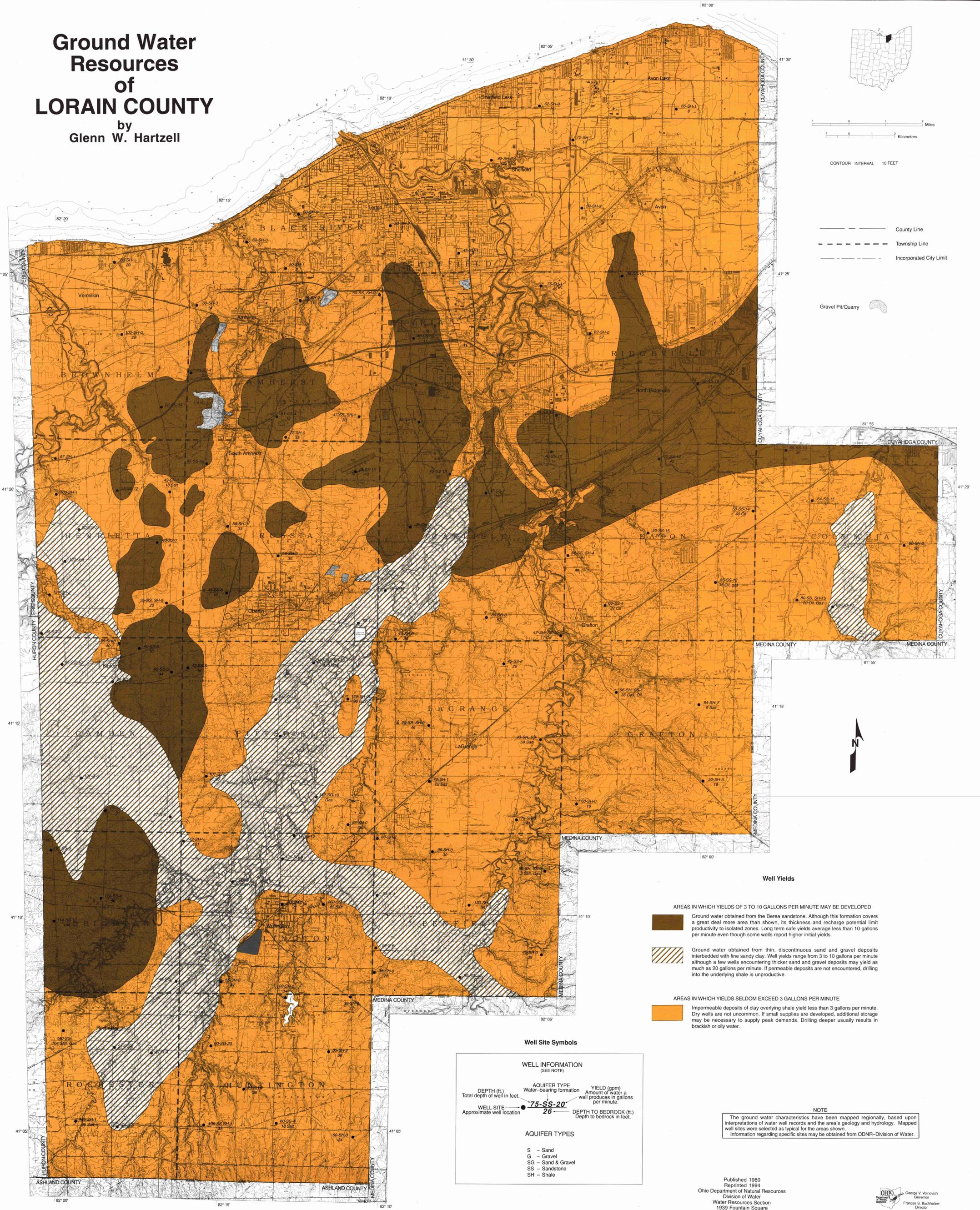
by Glenn W. Hartzell



CONTOUR INTERVAL 10 FEET

County Line
Township Line
Incorporated City Limit

Gravel Pit/Quarry



Well Yields

- AREAS IN WHICH YIELDS OF 3 TO 10 GALLONS PER MINUTE MAY BE DEVELOPED**
- Ground water obtained from the Berea sandstone. Although this formation covers a great deal more area than shown, its thickness and recharge potential limit productivity to isolated zones. Long term safe yields average less than 10 gallons per minute even though some wells report higher initial yields.
 - Ground water obtained from thin, discontinuous sand and gravel deposits interbedded with fine sandy clay. Well yields range from 3 to 10 gallons per minute although a few wells encountering thicker sand and gravel deposits may yield as much as 20 gallons per minute. If permeable deposits are not encountered, drilling into the underlying shale is unproductive.
- AREAS IN WHICH YIELDS SELDOM EXCEED 3 GALLONS PER MINUTE**
- Impermeable deposits of clay overlying shale yield less than 3 gallons per minute. Dry wells are not uncommon. If small supplies are developed, additional storage may be necessary to supply peak demands. Drilling deeper usually results in brackish or oily water.

Well Site Symbols

WELL INFORMATION
(SEE NOTE)

DEPTH (ft.)
Total depth of well in feet.

AQUIFER TYPE
Water-bearing formation

YIELD (gpm)
Amount of water a well produces in gallons per minute.

WELL SITE
Approximate well location

DEPTH TO BEDROCK (ft.)
Depth to bedrock in feet.

AQUIFER TYPES

- S - Sand
- G - Gravel
- SG - Sand & Gravel
- SS - Sandstone
- SH - Shale

Example: 75-SS-20/26

NOTE

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