

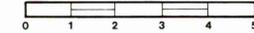
Ground-Water Resources of Washington and Morgan Counties

by Alfred C. Walker

The ground-water characteristics of Washington and Morgan counties have been mapped regionally, based upon interpretations of more than 4500 well records and the area's 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.

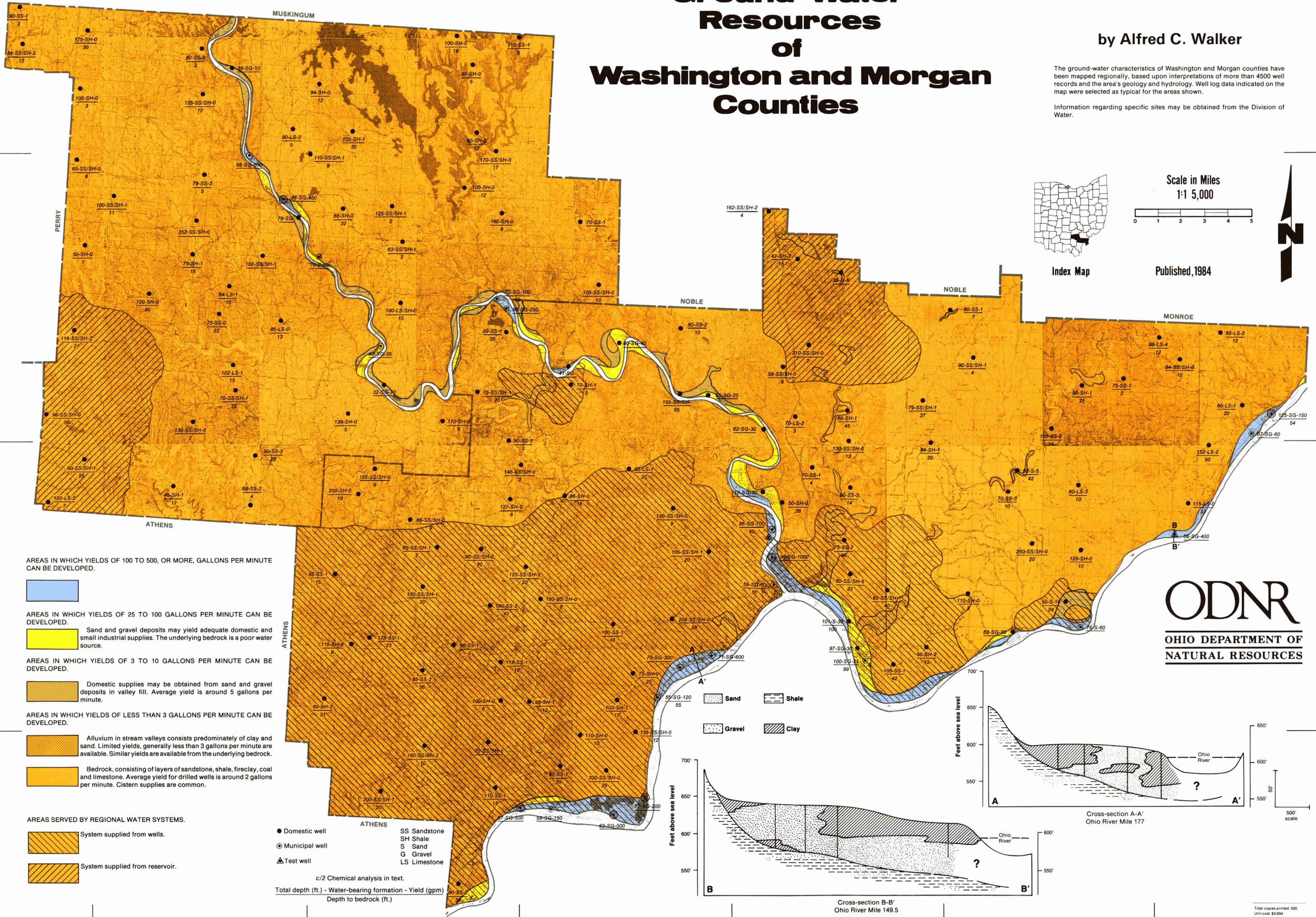
Scale in Miles
1:1 5,000



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Index Map



AREAS IN WHICH YIELDS OF 100 TO 500, OR MORE, GALLONS PER MINUTE CAN BE DEVELOPED.



AREAS IN WHICH YIELDS OF 25 TO 100 GALLONS PER MINUTE CAN BE DEVELOPED.



Sand and gravel deposits may yield adequate domestic and small industrial supplies. The underlying bedrock is a poor water source.

AREAS IN WHICH YIELDS OF 3 TO 10 GALLONS PER MINUTE CAN BE DEVELOPED.



Domestic supplies may be obtained from sand and gravel deposits in valley fill. Average yield is around 5 gallons per minute.

AREAS IN WHICH YIELDS OF LESS THAN 3 GALLONS PER MINUTE CAN BE DEVELOPED.



Alluvium in stream valleys consists predominately of clay and sand. Limited yields, generally less than 3 gallons per minute are available. Similar yields are available from the underlying bedrock.

Bedrock, consisting of layers of sandstone, shale, fireclay, coal and limestone. Average yield for drilled wells is around 2 gallons per minute. Cistern supplies are common.

AREAS SERVED BY REGIONAL WATER SYSTEMS.



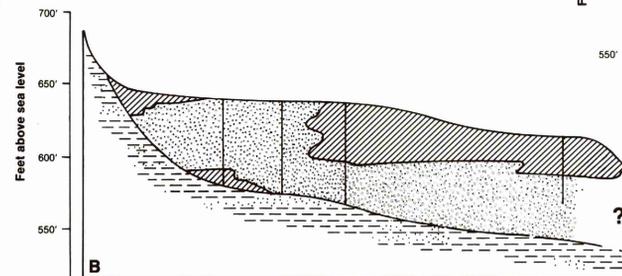
System supplied from wells.



System supplied from reservoir.

- Domestic well
- ⊙ Municipal well
- ▲ Test well
- c/2 Chemical analysis in text.
- Total depth (ft.) - Water-bearing formation - Yield (gpm)
- Depth to bedrock (ft.)
- SS Sandstone
- SH Shale
- S Sand
- G Gravel
- LS Limestone

- Sand
- Shale
- Gravel
- Clay



Cross-section A-A'
Ohio River Mile 177



Cross-section B-B'
Ohio River Mile 149.5

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