U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

Prepared in cooperation with the
KENTUCKIANA PLANNING AND DEVELOPMENT AGENCY

OPEN-FILE REPORT 98-296
Public Ground-Water Supplies

Unthank, M.D., and Nelson, H.L., Jr., 1998, Public ground-water supplies of Henry, Oldham, and Trimble Counties, Kentucky 1995-96

KENTUCKY

HENRY COUNTY

Population	14,208
Land Area	291 square miles

OLDHAM COUNTY

Population	41,011
Land Area	196 square miles

TRIMBLE COUNTY

Population	6,912
Land Area	156 square miles

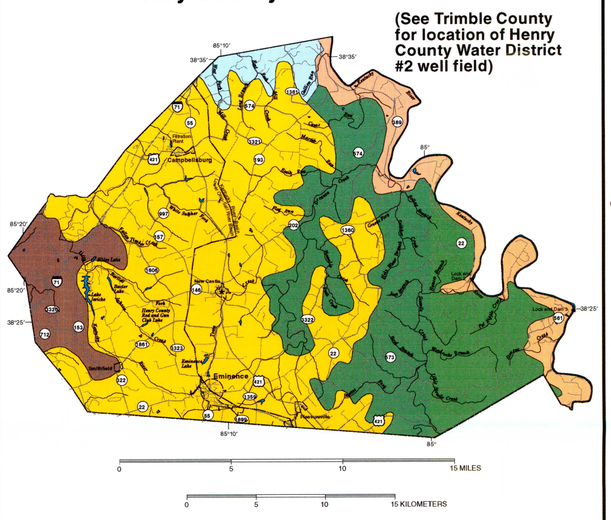
Location and Summary of Public Ground-Water Supplies

SOILS

- Nolin
- Fairmount
- Lowell
- Eden
- Beasley
- Lawrence
- Crider
- Cincinnati

Henry County Water District #2

(See Trimble County for location of Henry County Water District #2 well field)



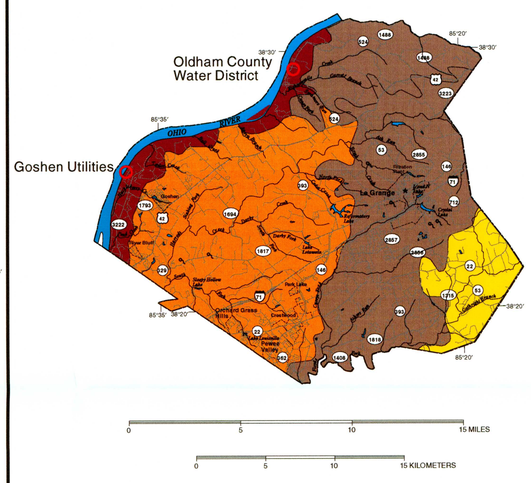
EXPLANATION

- Interstate
- U.S. Highway
- State Highway
- County Road
- County Boundary
- City Boundary
- Drainage Basin Boundary
- Eminence — 4th Class City
- Campbellsburg — 5th Class City
- Pleasureville — 6th Class City
- County Seat
- Lock and Dam
- Filtration Plant

Base from U.S. Geological Survey digital data, 1:100,000, 1983
Universal Transverse Mercator projection, Zone 16

Soils from U.S. Geological Survey Digital Data, 1:500,000, 1983

Oldham County Water District and Goshen Utilities



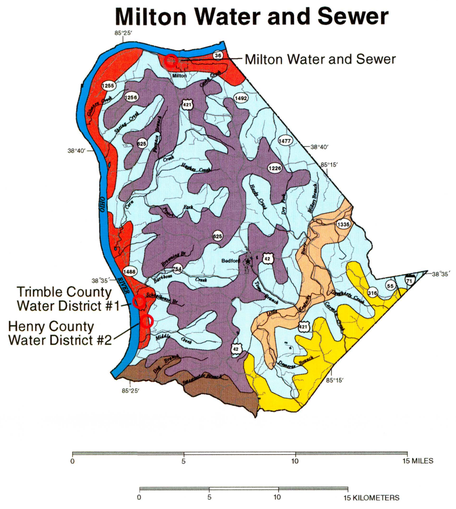
EXPLANATION

- Interstate
- U.S. Highway
- State Highway
- County Road
- County Boundary
- City Boundary
- La Grange — 4th Class City
- Pewee Valley — 5th Class City
- Crestwood — 6th Class City
- County Seat
- Filtration Plant
- Spring
- Well Field

Base from U.S. Geological Survey digital data, 1:100,000, 1983
Universal Transverse Mercator projection, Zone 16

Soils from U.S. Geological Survey Digital Data, 1:500,000, 1983

Trimble County Water District #1 and Milton Water and Sewer



EXPLANATION

- Interstate
- U.S. Highway
- State Highway
- County Road
- County Boundary
- City Boundary
- Drainage Basin Boundary
- Bedford — 6th Class City
- County Seat
- Well Field

Base from U.S. Geological Survey digital data, 1:100,000, 1983
Universal Transverse Mercator projection, Zone 16

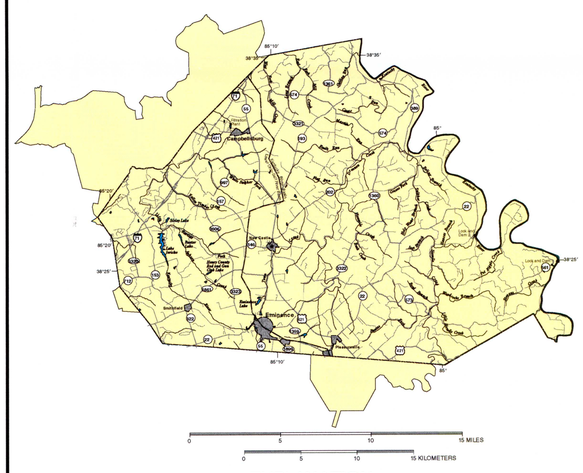
Soils from U.S. Geological Survey digital data, 1:500,000, 1983

Water Supplier	Henry County Water District #2	Goshen	Oldham County	Milton	Trimble County
Population served	13,498	8,909	13,860	3,250	3,379
Average daily withdrawal for 1995-96	1.97 Mgal/d	.57 Mgal/d	3.01 Mgal/d	.20 Mgal/d	.27 Mgal/d
Permitted daily withdrawal for 1995-96	2.50 Mgal/d	.50 Mgal/d	2.50 Mgal/d	.16 Mgal/d	.32 Mgal/d
Treated storage	1.36 Mgal	1.70 Mgal	3.45 Mgal	.15 Mgal	.27 Mgal
Treatment plant design capacity	4.00 Mgal/d	1.15 Mgal/d	5.00 Mgal/d	.66 Mgal/d	1.80 Mgal/d
Number of wells	6	3	5	2	2
Aquifer	Ohio River Alluvium	Ohio River Alluvium	Ohio River Alluvium	Ohio River Alluvium	Ohio River Alluvium
Maximum daily amount pumped	2.97 Mgal	1.01 Mgal	4.94 Mgal	.48 Mgal	.28 Mgal

[Mgal, million gallons; Mgal/d, million gallons per day]

Extent of Public Water Distribution and Service Areas

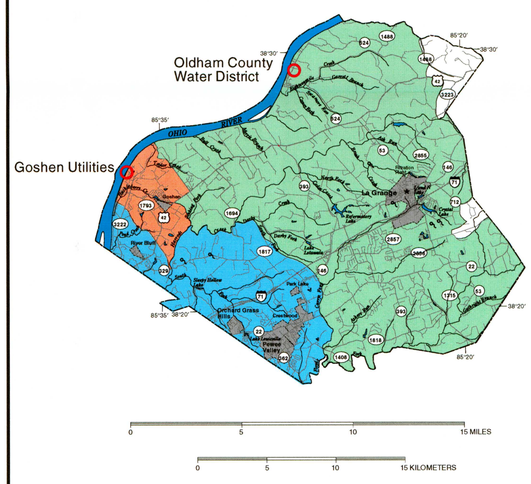
- Henry County Water District #2
- Oldham County Water District
- Goshen Utilities
- Louisville Water Company
- Milton Water and Sewer
- Trimble County Water District #1



EXPLANATION

- Interstate
- U.S. Highway
- State Highway
- County Road
- County Boundary
- City Boundary
- Drainage Basin Boundary
- Eminence — 4th Class City
- Campbellsburg — 5th Class City
- Pleasureville — 6th Class City
- County Seat
- Lock and Dam
- Filtration Plant

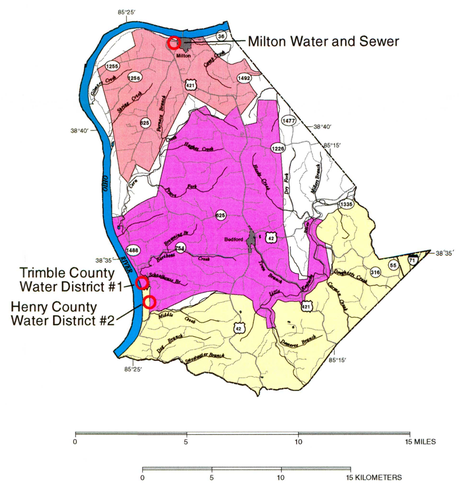
Base from U.S. Geological Survey digital data, 1:100,000, 1983
Universal Transverse Mercator projection, Zone 16



EXPLANATION

- Interstate
- U.S. Highway
- State Highway
- County Road
- County Boundary
- City Boundary
- La Grange — 4th Class City
- Pewee Valley — 5th Class City
- Crestwood — 6th Class City
- County Seat
- Filtration Plant
- Spring
- Well Field

Base from U.S. Geological Survey digital data, 1:100,000, 1983
Universal Transverse Mercator projection, Zone 16



EXPLANATION

- Interstate
- U.S. Highway
- State Highway
- County Road
- County Boundary
- City Boundary
- Drainage Basin Boundary
- Bedford — 6th Class City
- County Seat
- Well Field

Base from U.S. Geological Survey digital data, 1:100,000, 1983
Universal Transverse Mercator projection, Zone 16

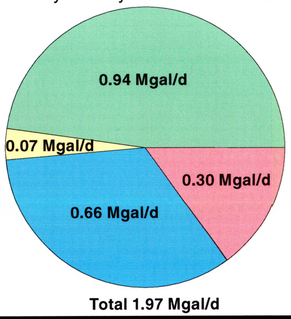
Water Use Summary

Categories:

- Residential
- Commercial/Institutional
- Industrial
- Public Use and Losses

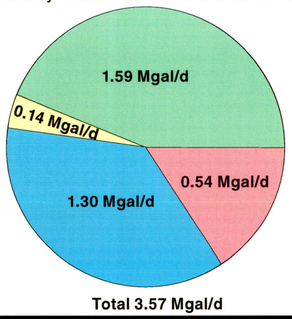
[Mgal/d, million gallons per day]

Henry County Water District #2



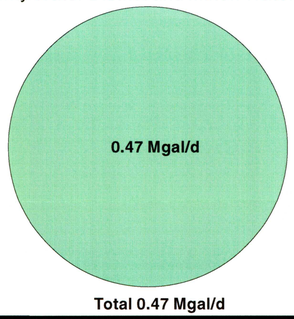
Total 1.97 Mgal/d

Oldham County Water District and Goshen Utilities



Total 3.57 Mgal/d

Trimble County Water District and Milton Water and Sewer



Total 0.47 Mgal/d

PUBLIC GROUND-WATER SUPPLIES OF HENRY, OLDHAM, AND TRIMBLE COUNTIES, KENTUCKY, 1995-96

By
Michael D. Unthank and Hugh L. Nelson Jr.