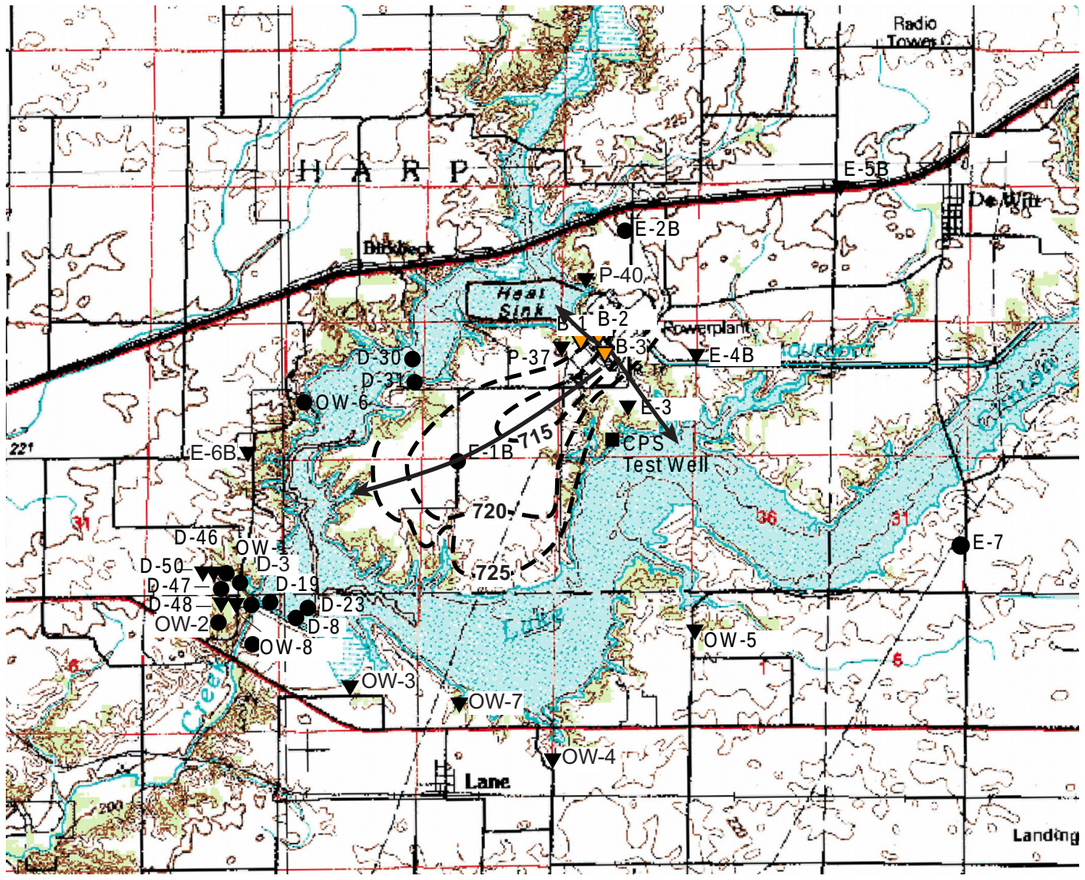
Environmental Report for the EGC Early Site Permit

Figure 2.3-16
Location of Piezometers, CPS Test Well, and Water Table in Site Vicinity



Legend

- CPS Test Well
- Functional Piezometer (As of 12 - 77)
- Non-Functional Piezometer (As of 12 - 77)
- Inferred Water Table Contour, Wisconsinan Deposits
- Piezometer Installed in July/August 2002
- Flow Line

NOTES

1. Datum is msl.
2. Piezometer installation data are listed in Table 2.3-15.

Data Source:
CPS, 2002

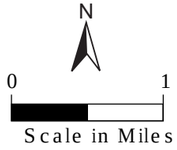


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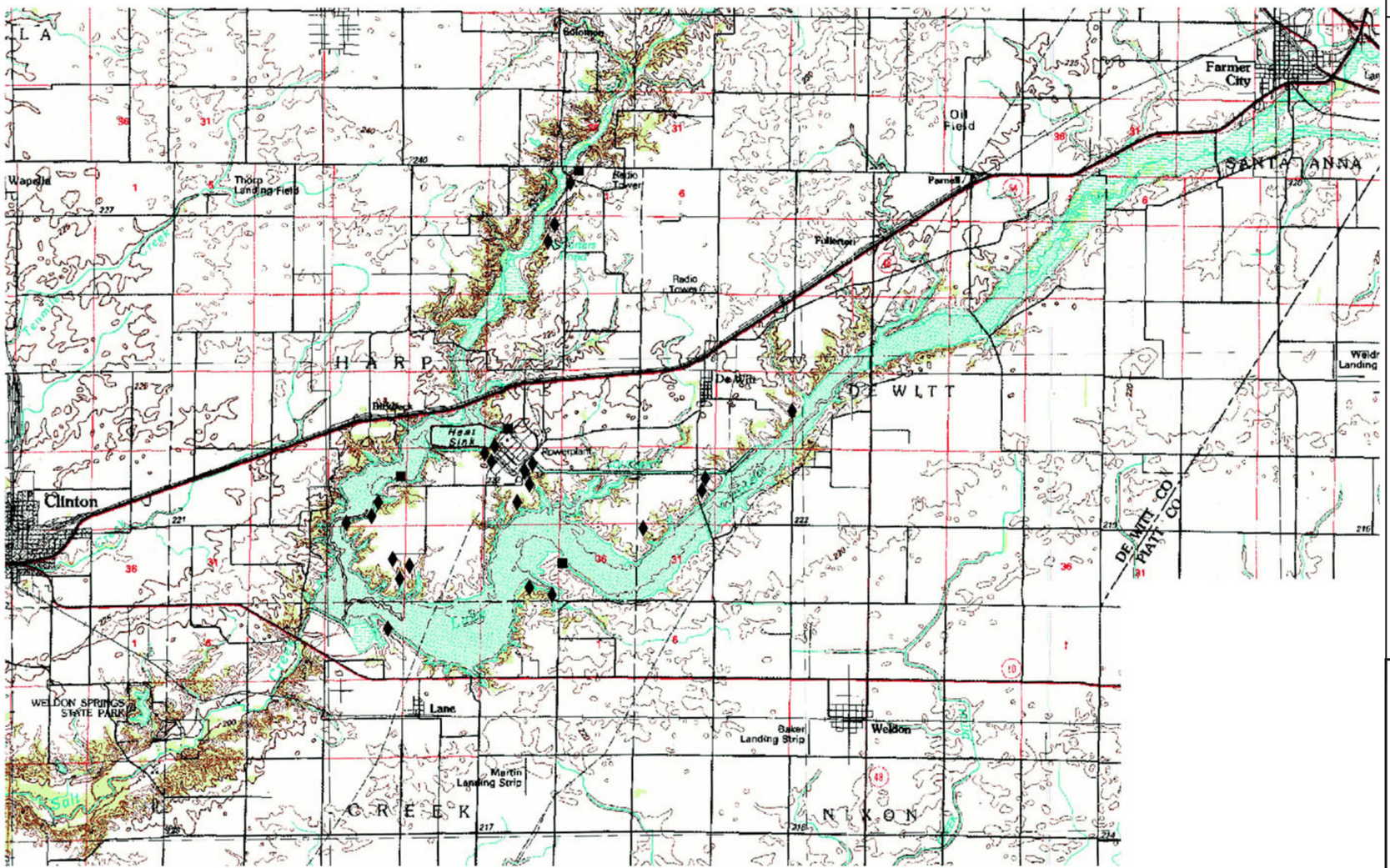
Figure 2.3-17
Springs in the Vicinity of the Site



Legend

■ Observed Spring

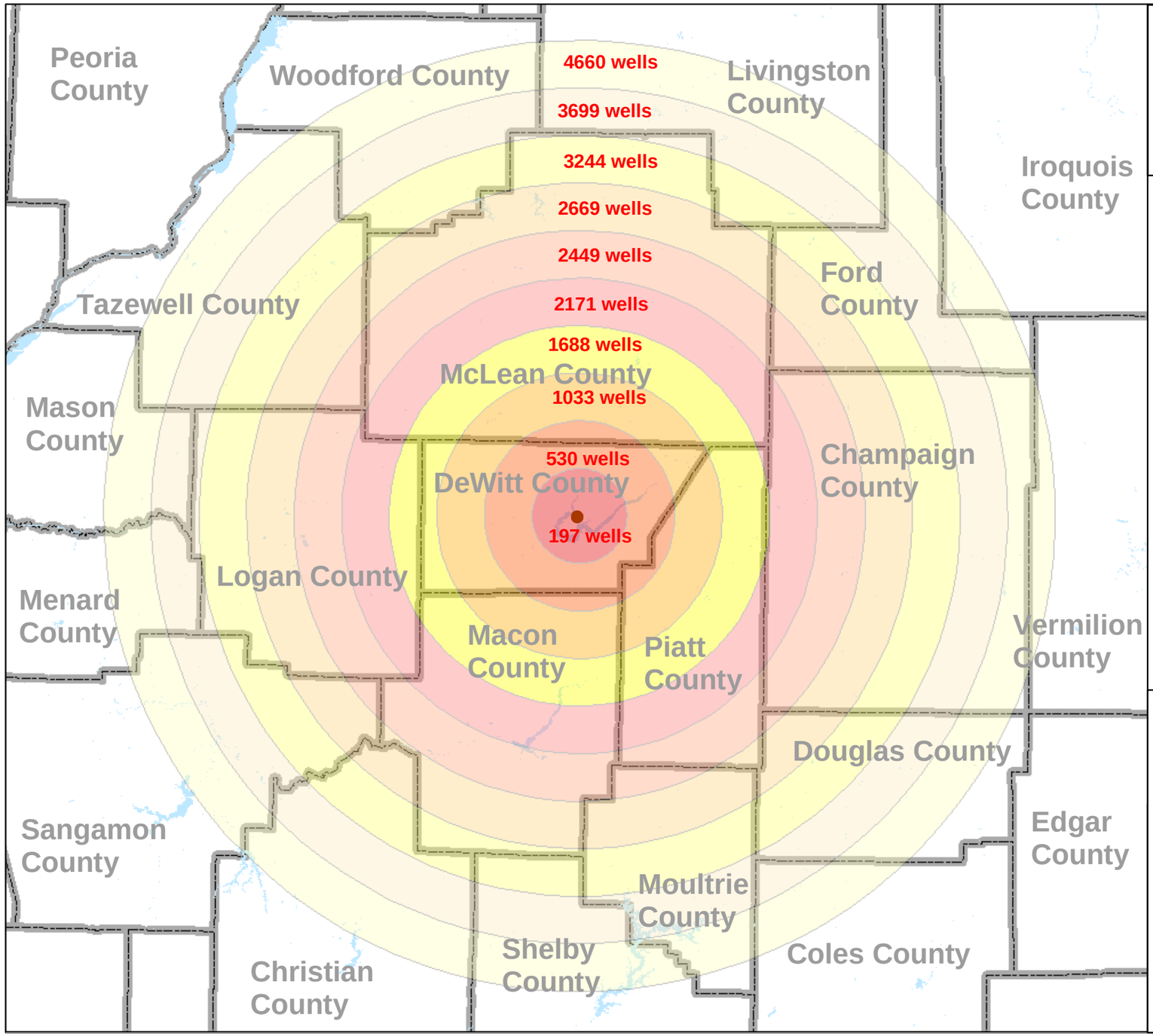
♦ Described by Farmer

Data Source:
CPS, 2002

N

Not to Scale

Figure 2.3-18
Number of Wells within a 50-mi Radius of the Site



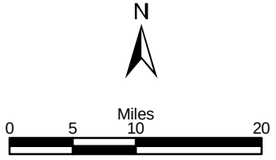
Legend

- EGC ESP Site
- Water: Lakes and Rivers
- County Boundary

Radial Distance (mi)

- 0 - 5
- 5 - 10
- 10 - 15
- 15 - 20
- 20 - 25
- 25 - 30
- 30 - 35
- 35 - 40
- 40 - 45
- 45 - 50

Data Sources:
ISGS, 2002
U.S. Census Bureau, 2000
U.S. Census Bureau, 2002



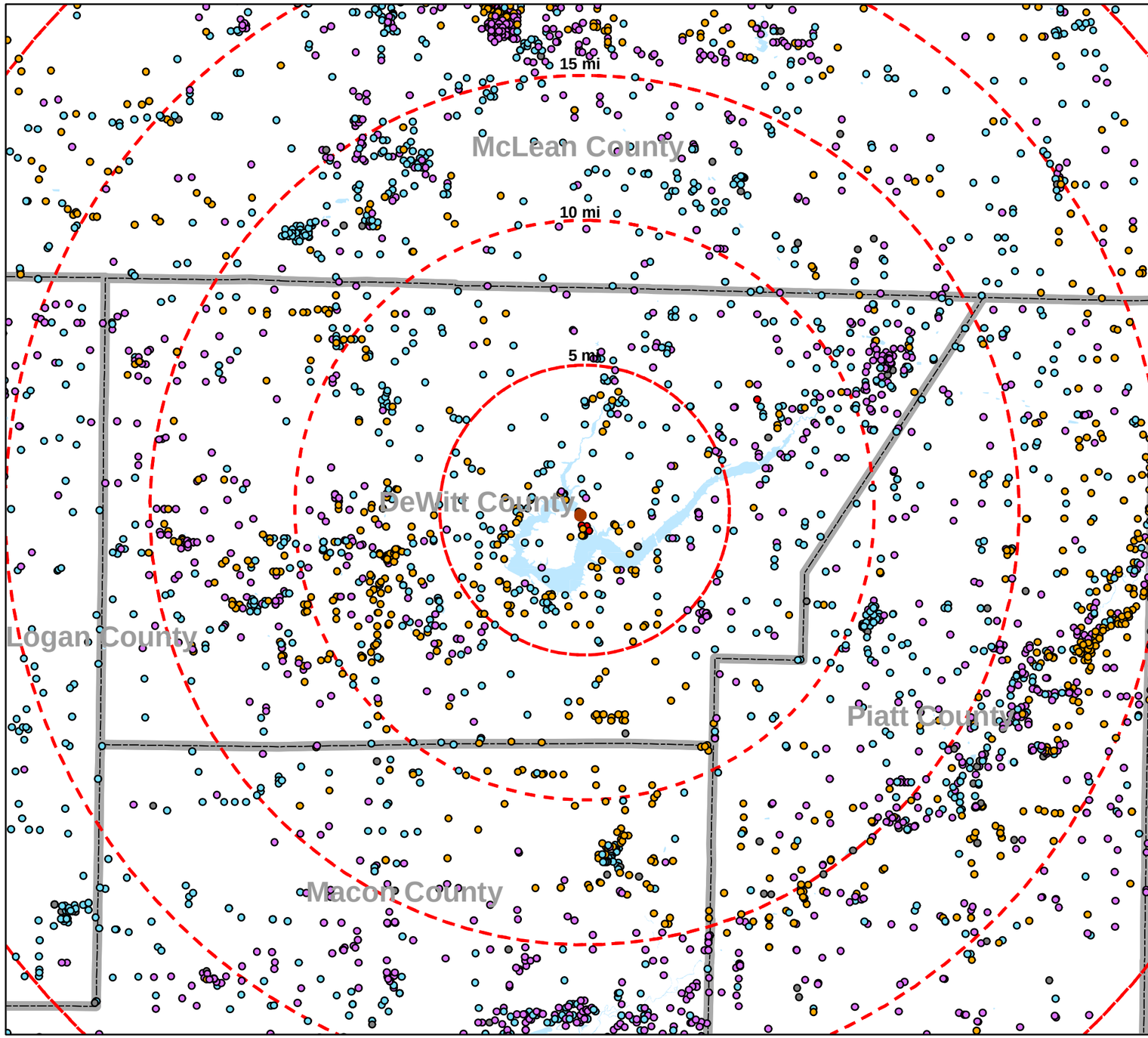


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Figure 2.3-19
Wells Within a 15-mi Radius of the Site

Legend

- EGC ESP Site
- 5 mi Radius from Site
- Water: Lakes and Rivers
- County Boundary

Well Locations - Total Depth (ft)

- Depth Unknown
- < 100
- 100 - 200
- 200 - 400
- > 400

Data Sources:
ISGS, 2002
U.S. Census Bureau, 2000
U.S. Census Bureau, 2002

N

Miles

0 2 4 8

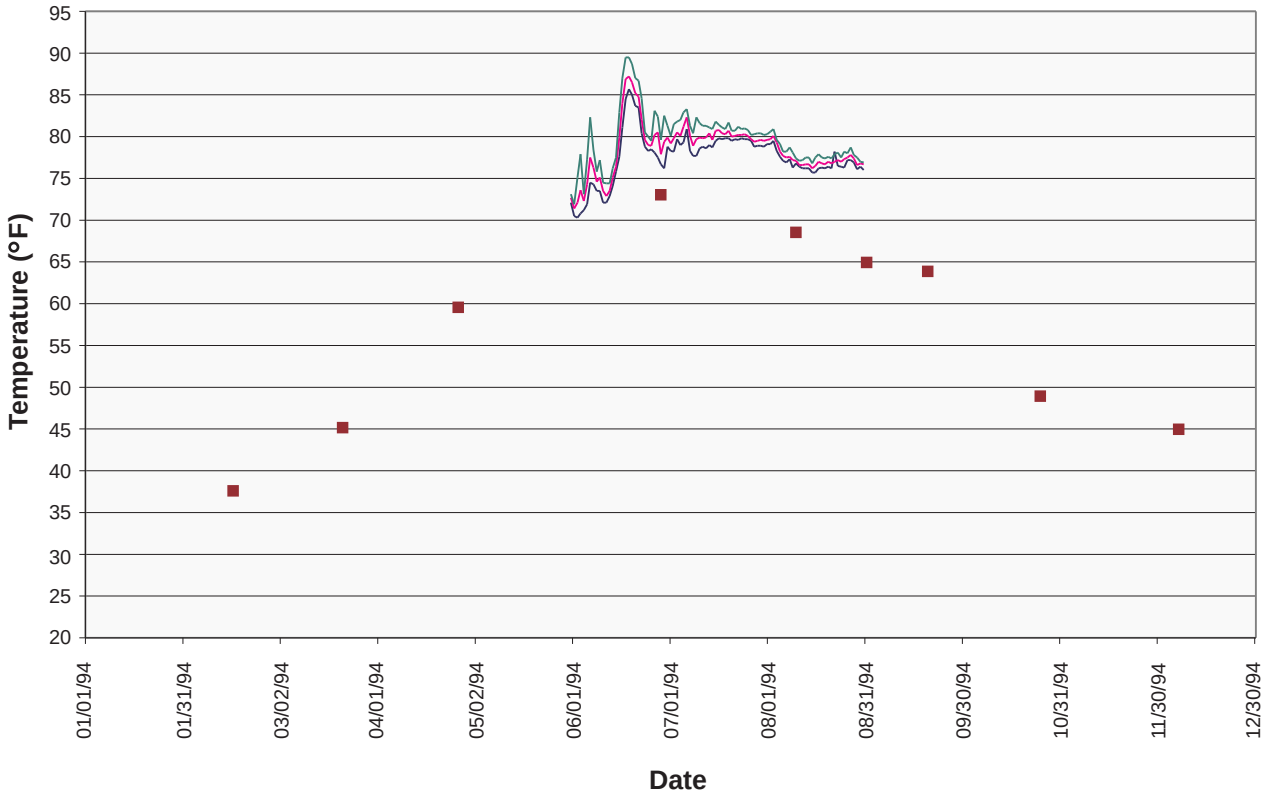

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Figure 2.3-20
Daily Temperatures in Salt Creek at Site 1.5 Summer 1994

Legend

- Minimum Daily Temperature at Site 1.5
- Average Daily Temperature at Site 1.5
- Maximum Daily Temperature at Site 1.5
- Temperature at Rowell

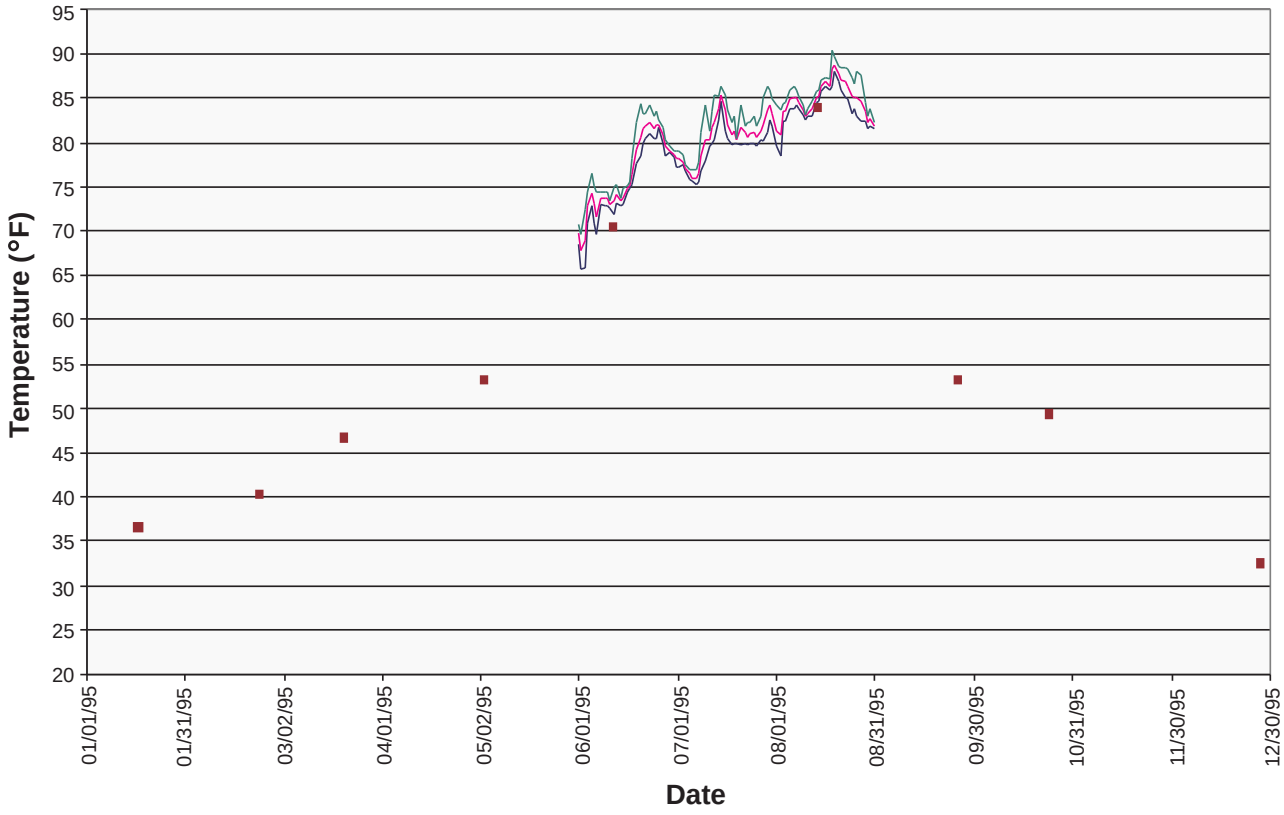
Note:
Site 1.5 is located 100-ft downstream of the Clinton Lake Dam

Data Source:
CPS, 1994

Not to Scale

Environmental Report for the EGC Early Site Permit

Figure 2.3-21
Daily Temperatures in Salt Creek at Site 1.5 Summer 1995



Legend

- Minimum Daily Temperature at Site 1.5
- Average Daily Temperature at Site 1.5
- Maximum Daily Temperature at Site 1.5
- Temperature at Rowell

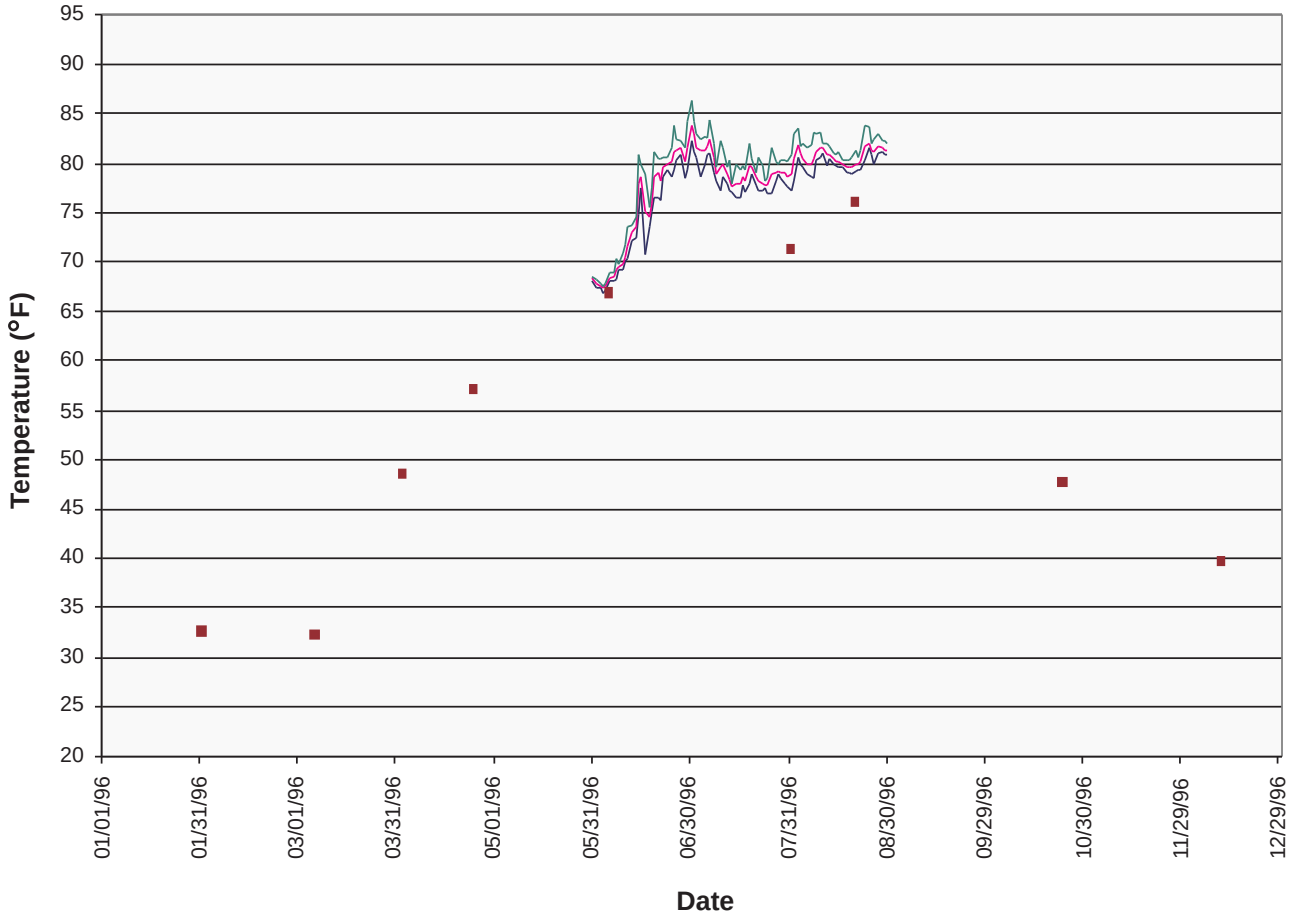
Note:
Site 1.5 is located 100-ft downstream of the Clinton Lake Dam

Data Source:
CPS, 1995

Not to Scale

Environmental Report for the EGC Early Site Permit

Figure 2.3-22
Daily Temperatures in Salt Creek at Site 1.5 Summer 1996



Legend

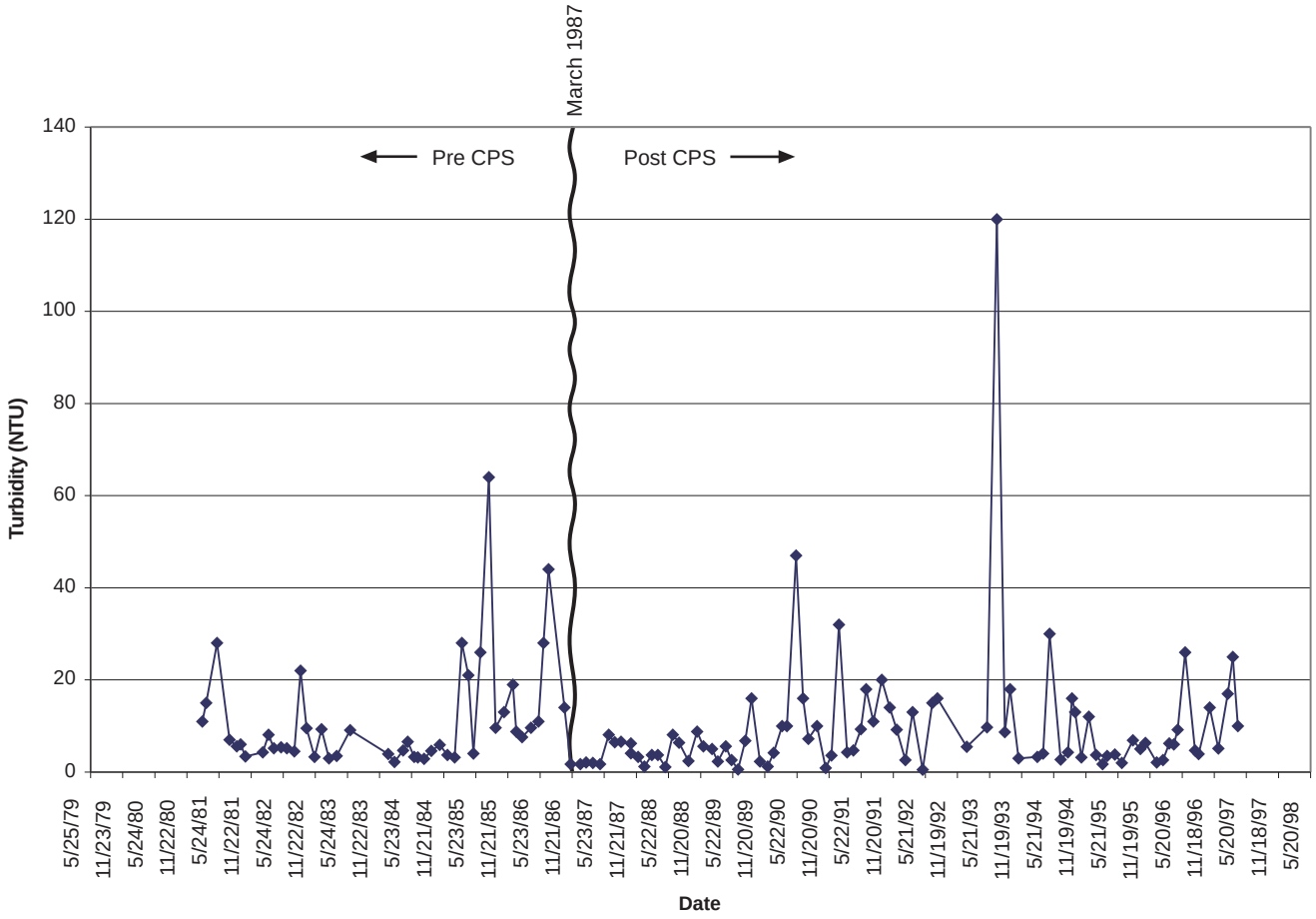
- Minimum Daily Temperature at Site 1.5
- Average Daily Temperature at Site 1.5
- Maximum Daily Temperature at Site 1.5
- Temperature at Rowell

Note:
Site 1.5 is located 100-ft downstream of the Clinton Lake Dam

Data Source:
CPS, 1996

Not to Scale

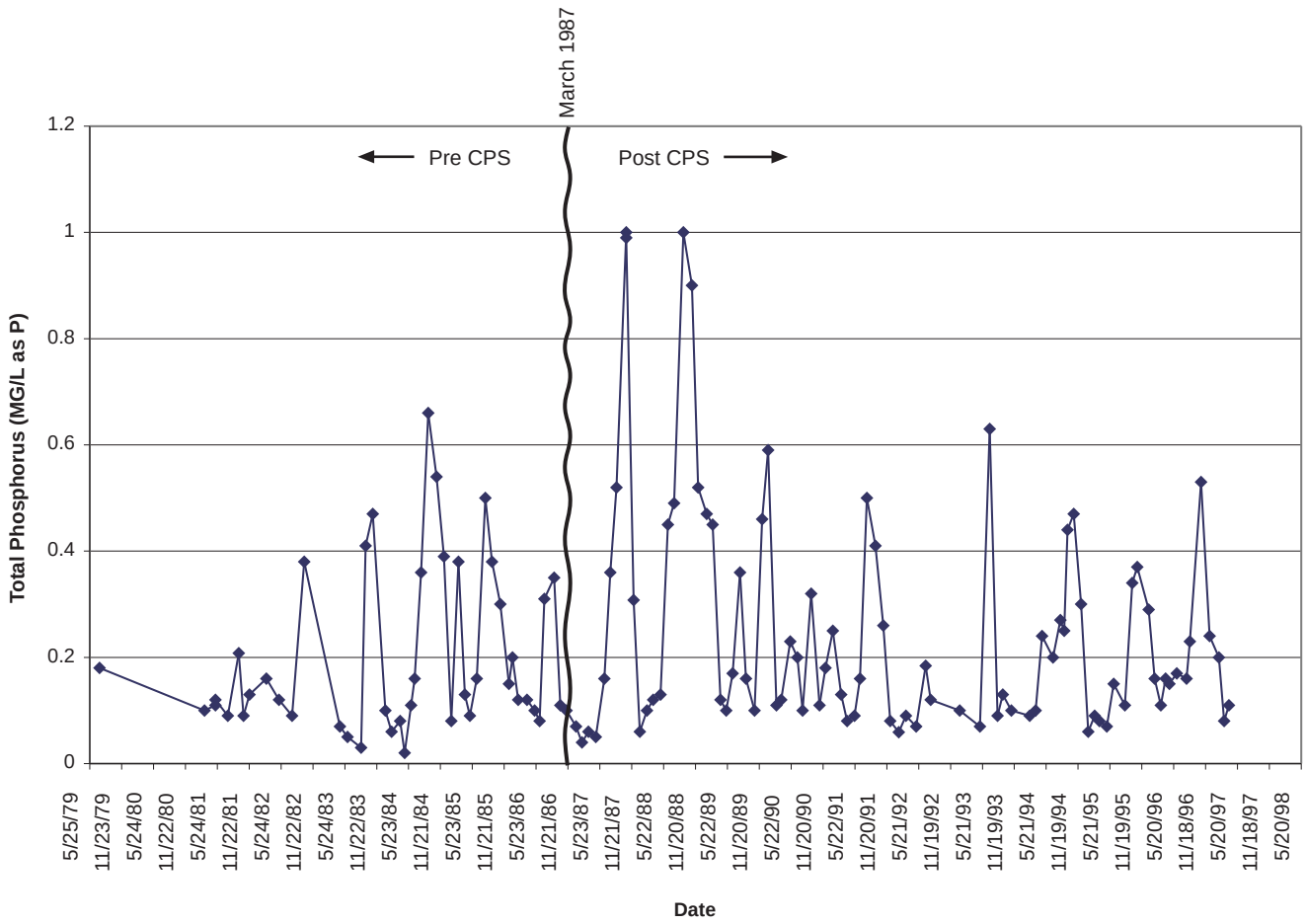
Figure 2.3-23
Turbidity Measurements at Rowell Gauge Station



Data Source:
USGS, 2002

Not to Scale

Figure 2.3-24
Total Phosphorus Concentrations at Rowell Gauge Station



Data Source:
USGS, 2002

Not to Scale

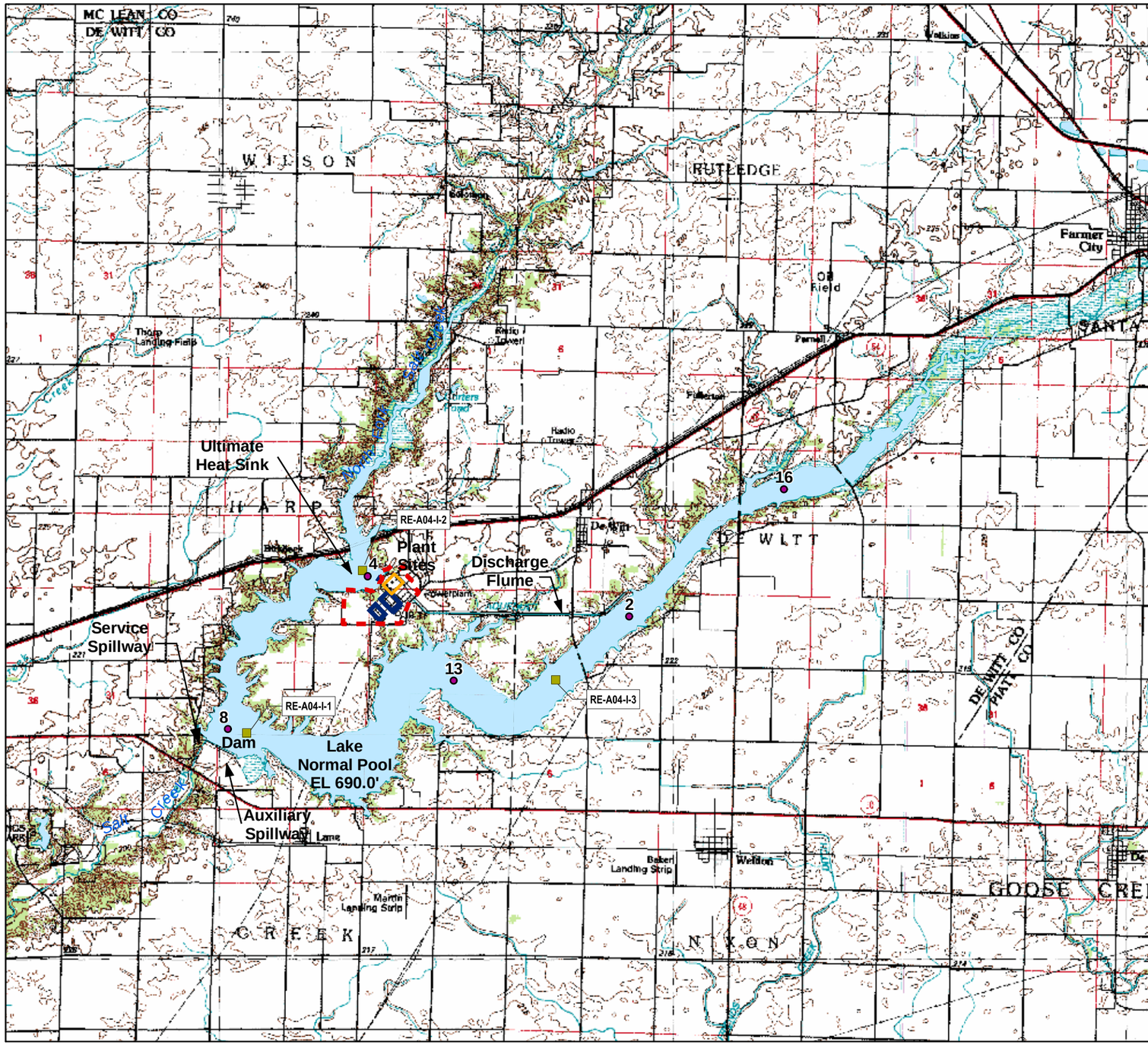


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Figure 2.3-25
Lake Sampling Sites

Legend

- Lake Sampling Sites
- IEPA Monitoring Location
- CPS Facility
- Proposed Areas for EGC ESP Facility Structures
- Site Boundary: Fenceline
- Water: Lakes and Rivers

Data Sources:
CPS, 1992
USGS, 1984 and 1989

N

Miles
0 0.5 1 2

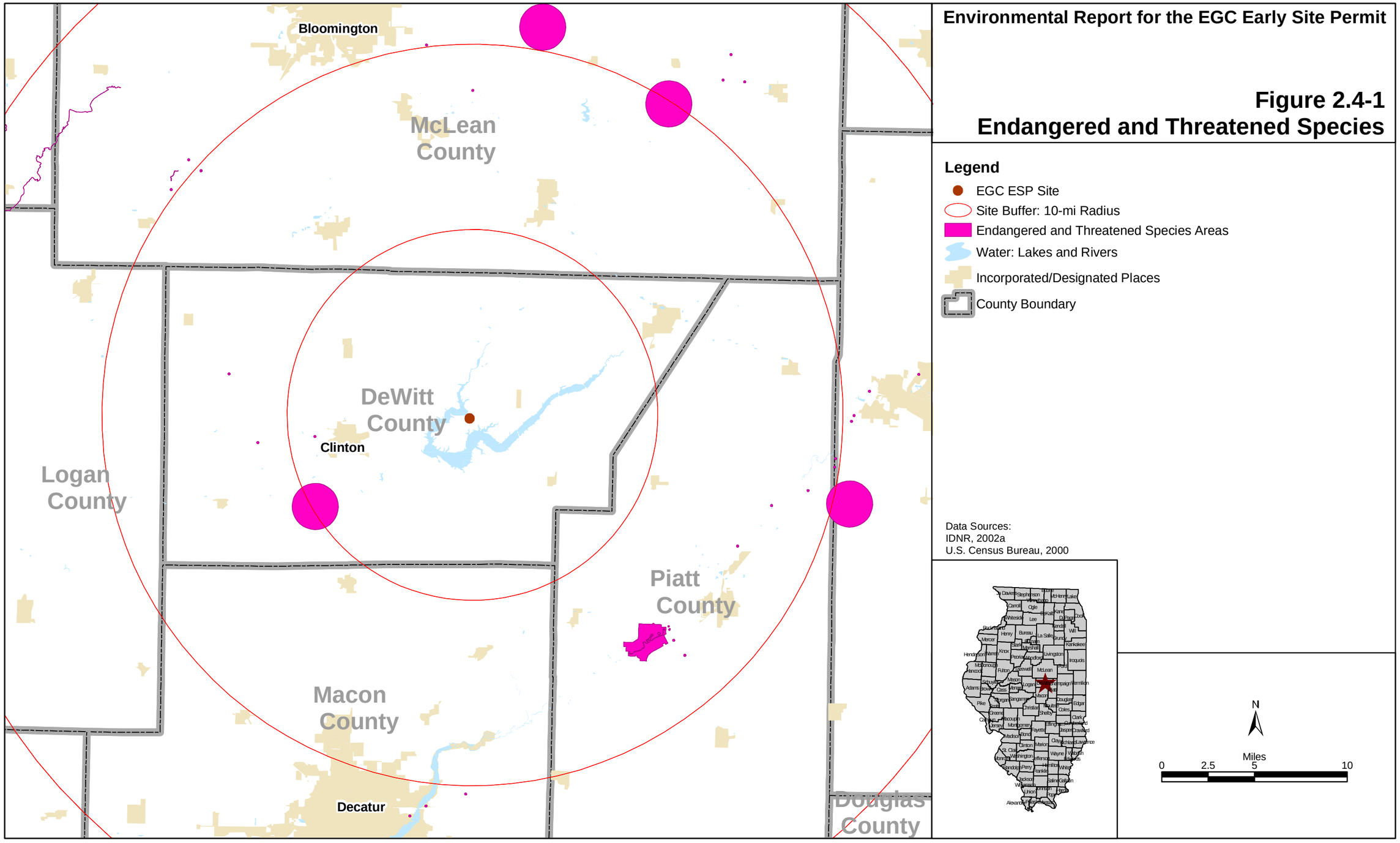

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Figure 2.4-1
Endangered and Threatened Species

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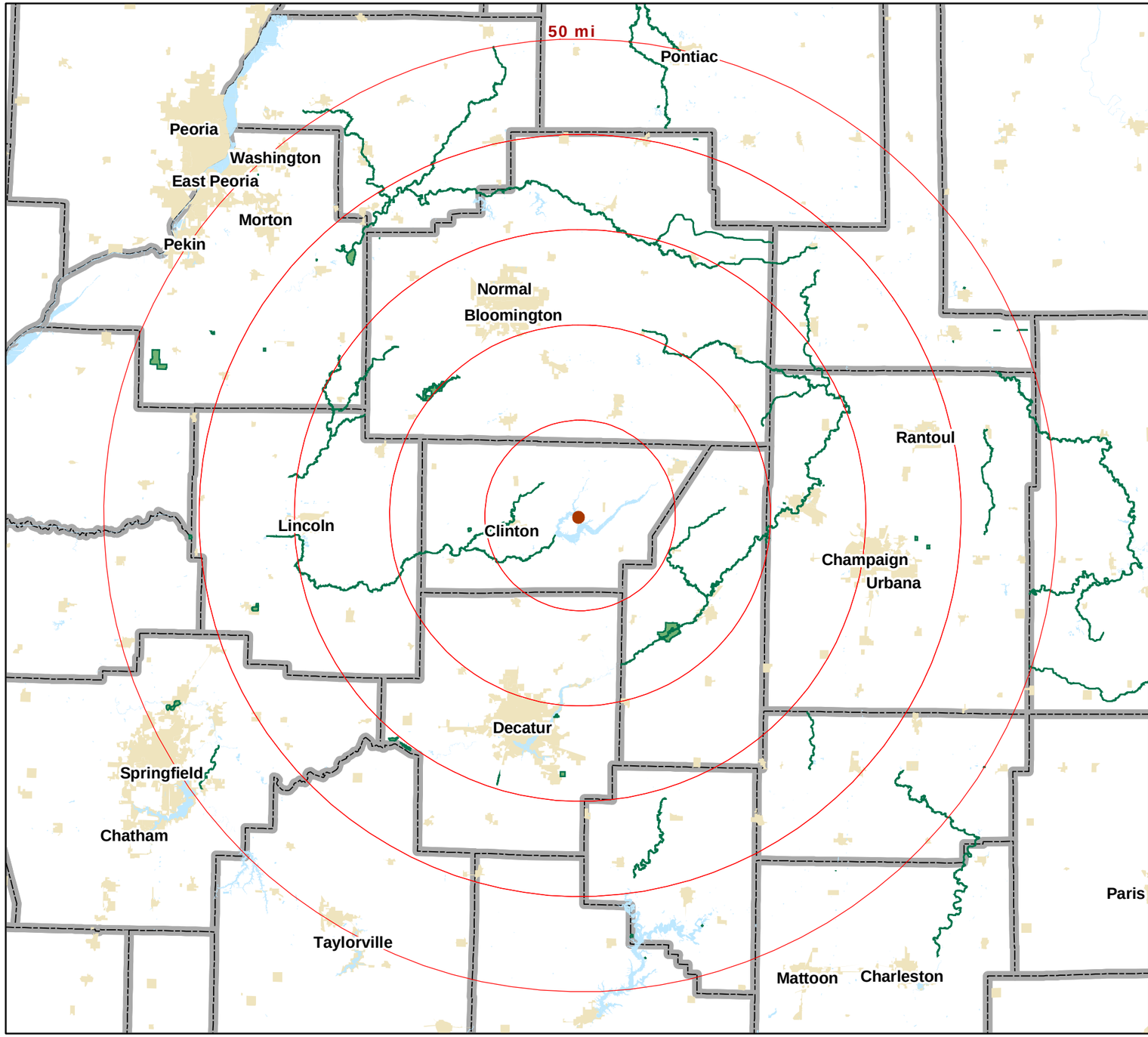
Figure 2.4-2
Environmentally Sensitive Areas



Legend

- EGC ESP Site
- Site Buffer: 10-mi Radius
- Environmentally Sensitive Areas
- Water: Lakes and Rivers
- Incorporated/Designated Places
- County Boundary

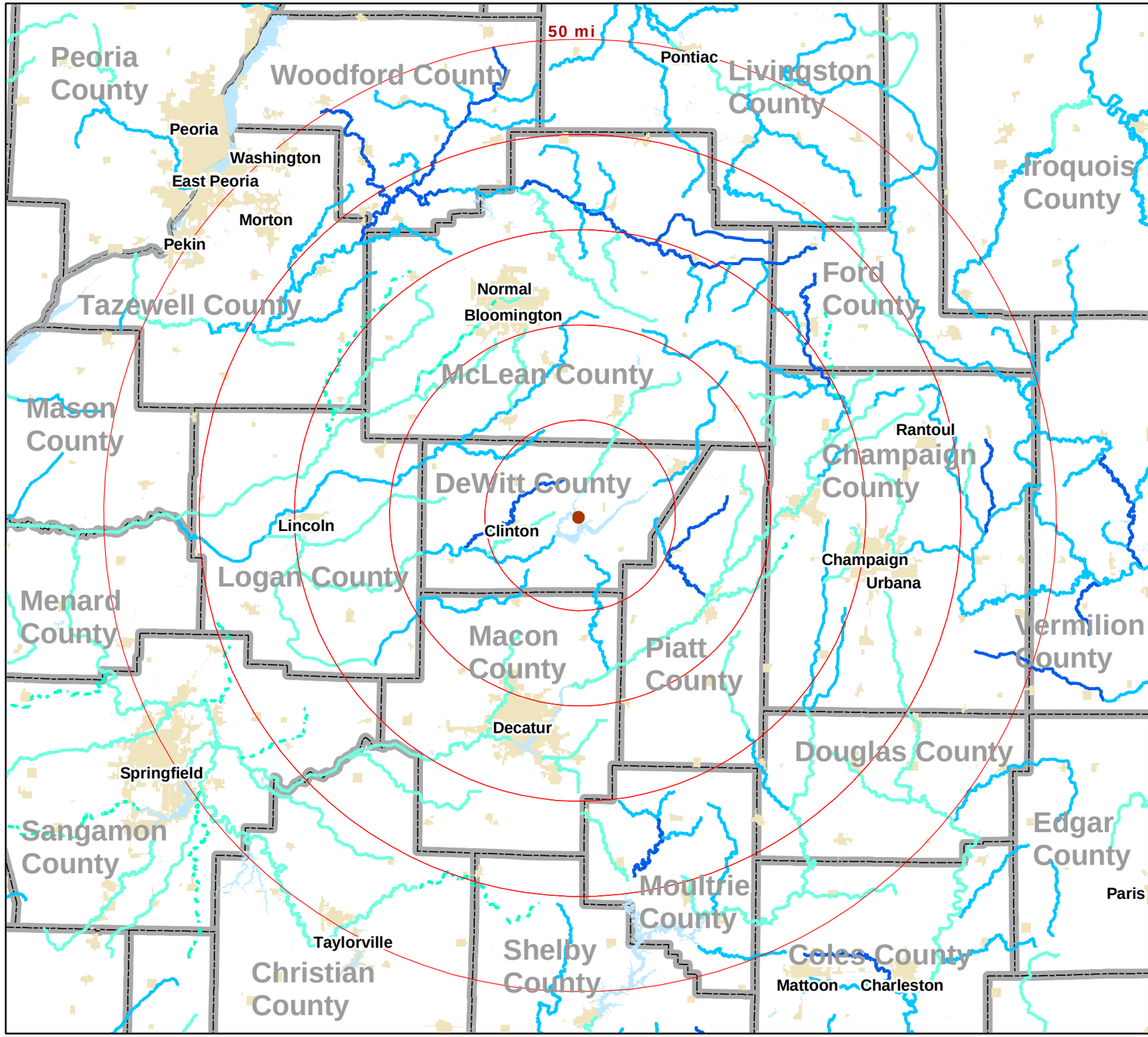
Data Sources:
IDNR, 2002
U.S. Census Bureau, 2000

N

Miles
0 5 10 20

Environmental Report for the EGC Early Site Permit

Figure 2.4-3
Biological Stream Characterizations



Legend

- EGC ESP Site
- Site Buffer: 10-mi Radius

Biological Stream Characterization

- Unique Aquatic Resource
- Highly Valued Aquatic Resource
- Moderate Aquatic Resource
- Limited Aquatic Resource
- Restricted Aquatic Resource
- Water: Lakes and Rivers
- Incorporated/Designated Places
- County Boundary

Data Sources:
IEPA, 2002
U.S. Census Bureau, 2000

N

Miles
0 5 10 20