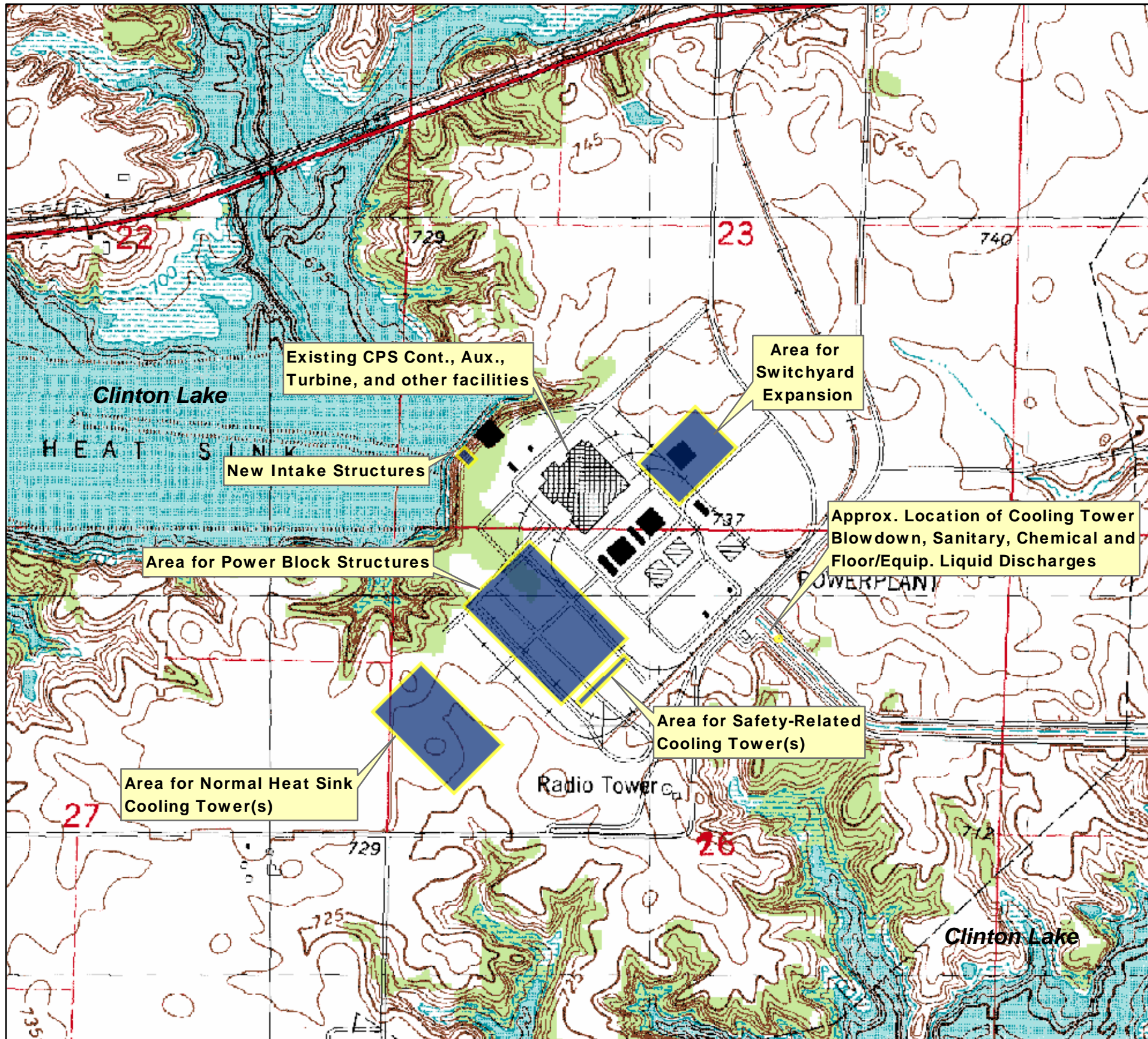


**Figure 2.1-4  
Proposed Areas for  
EGC ESP Structures**



**Legend**

 Proposed Areas for EGC ESP Facility Structures

Data Sources:  
USGS, 1979

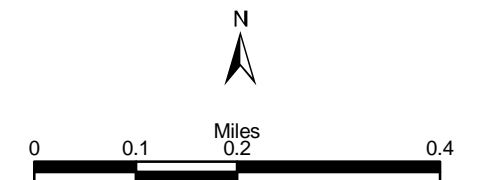
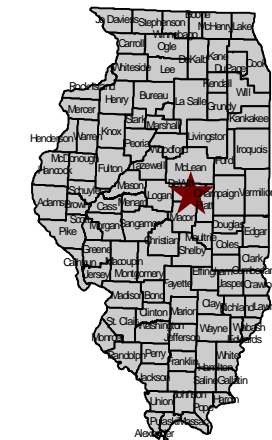
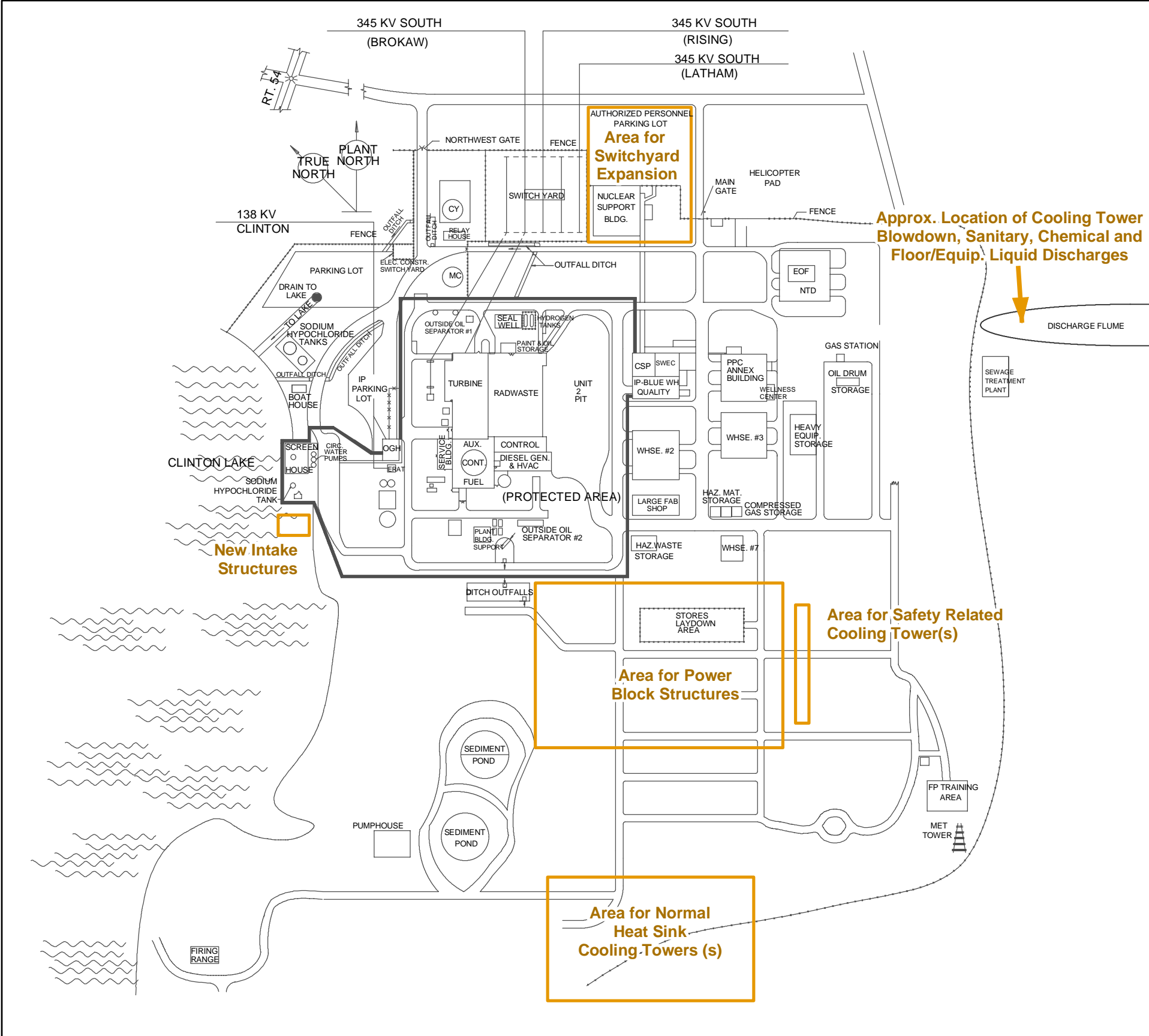


Figure 2.1-5  
Location of ESP Structures  
Relative to Existing CPS Facilities



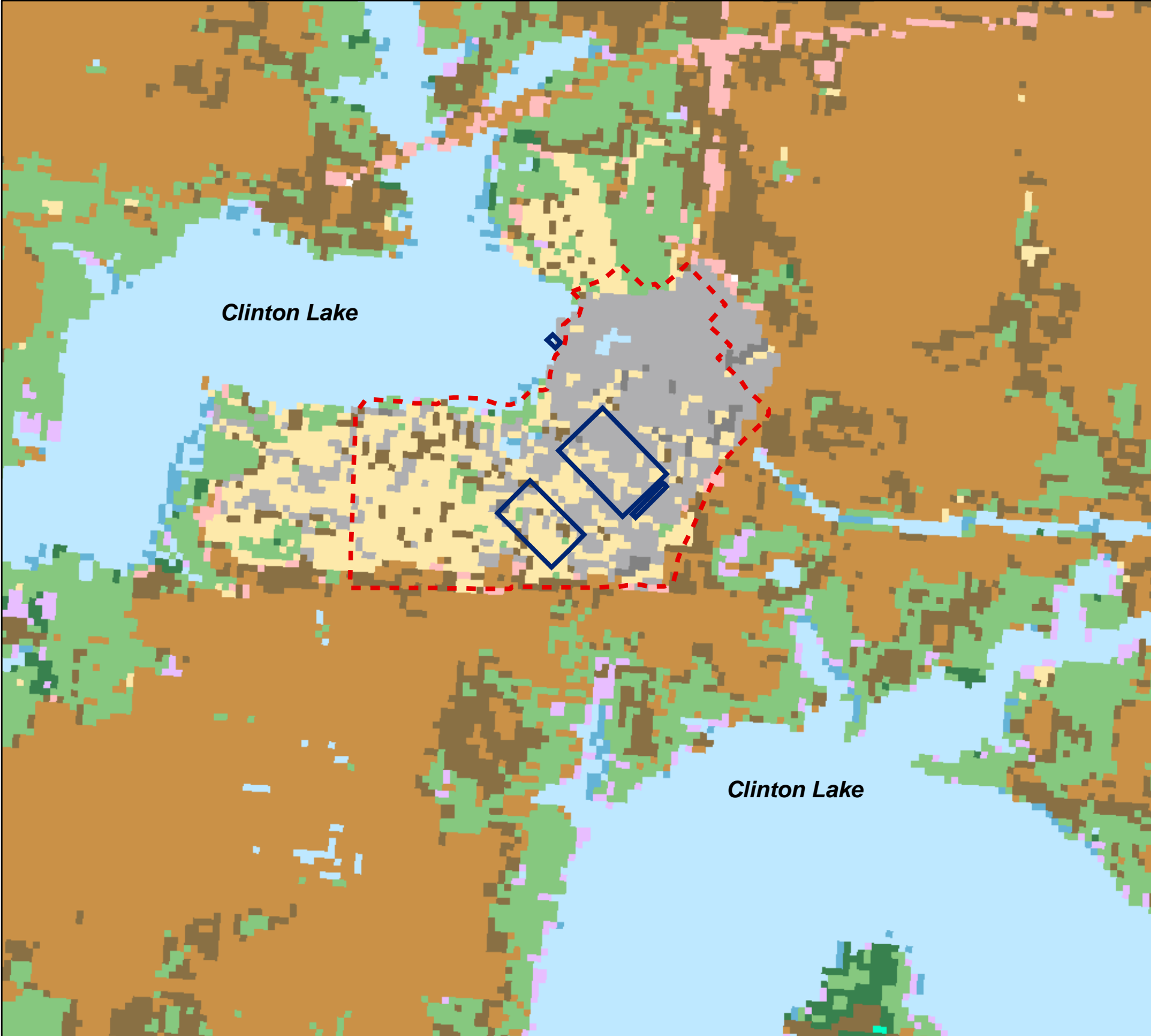
Legend

Proposed Areas for EGC ESP Facility Structures






Not to Scale

**Figure 2.2-1**  
**Land Use/Land Cover at Site**



**Legend**

-  Site Boundary: Fenceline
-  Proposed Areas for EGC ESP Facility Structures
-  Open Water
-  Commercial/Industrial/Transportation
-  Bare Rock/Sand/Clay
-  Quarries/Strip Mines/Gravel Pits
-  Deciduous Forest
-  Evergreen Forest
-  Grasslands/Herbaceous
-  Pasture/Hay
-  Row Crop
-  Recreational Grasses
-  Woody Wetlands
-  Herbaceous Wetlands

Data Sources:  
USGS, 1992

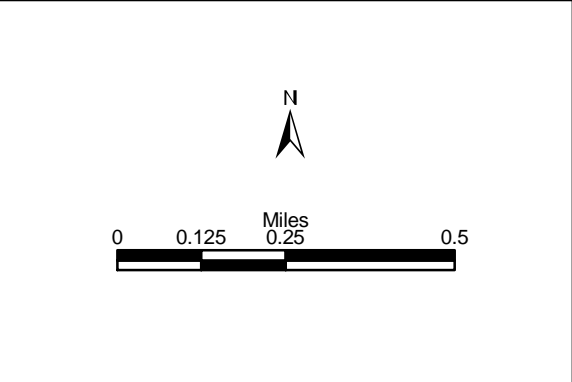
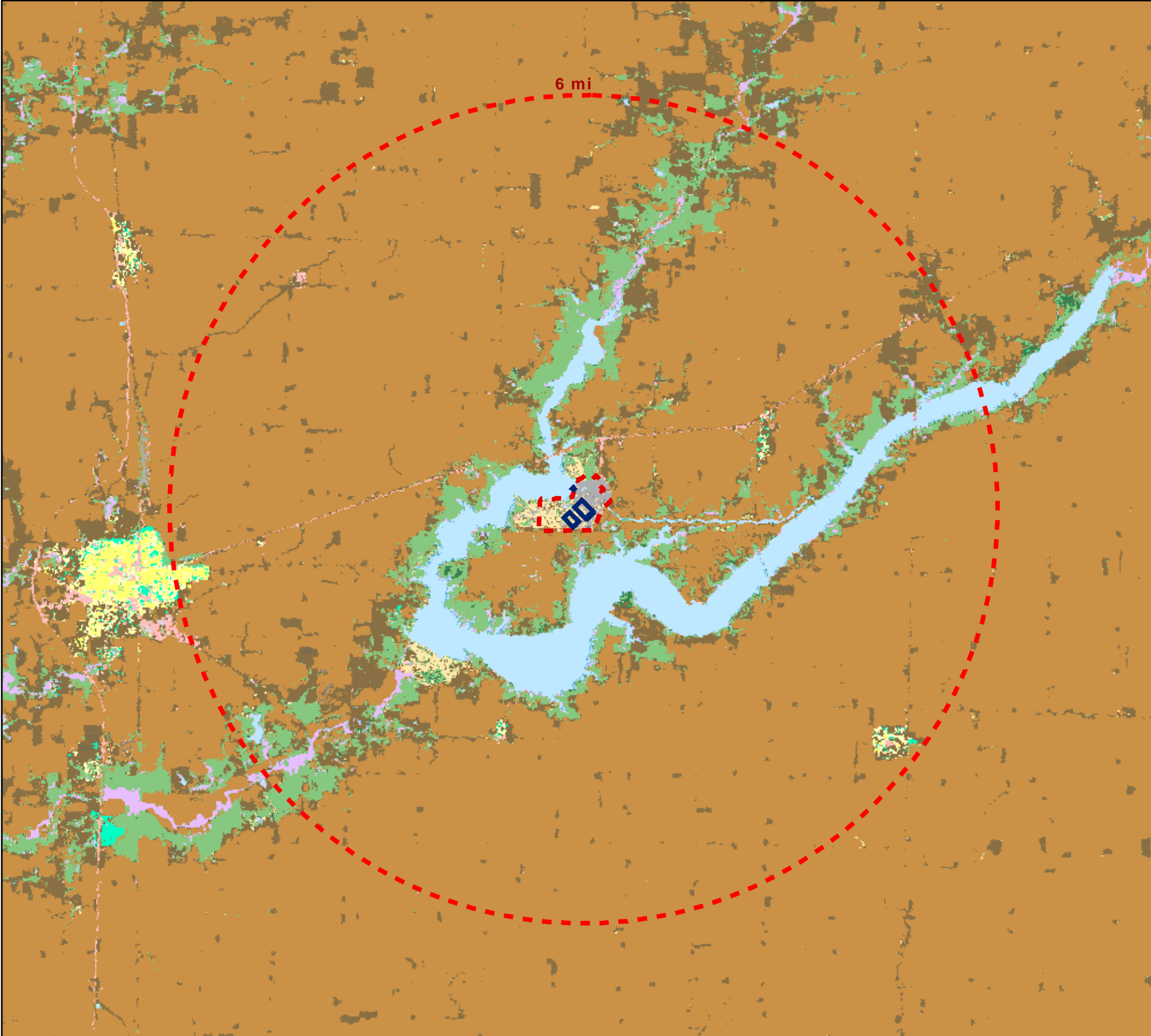























Figure 2.2-2  
Land Use/Land Cover - Site Vicinity



**Legend**

-  Proposed Areas for EGC ESP Facility Structures
-  Site Boundary: Fenceline
-  Vicinity: 6-mi radius around site
-  Open Water
-  Low Intensity Residential
-  High Intensity Residential
-  Commercial/Industrial/Transportation
-  Bare Rock/Sand/Clay
-  Quarries/Strip Mines/Gravel Pits
-  Deciduous Forest
-  Evergreen Forest
-  Mixed Forest
-  Shrubland
-  Orchards/Vineyards/Other
-  Grasslands/Herbaceous
-  Pasture/Hay
-  Row Crop
-  Small Grains
-  Recreational Grasses
-  Woody Wetlands
-  Herbaceous Wetlands

Data Sources:  
USGS, 1992

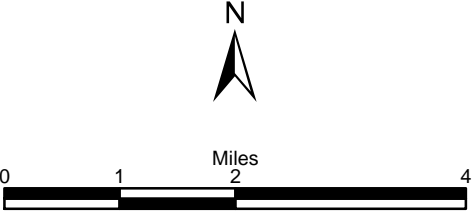
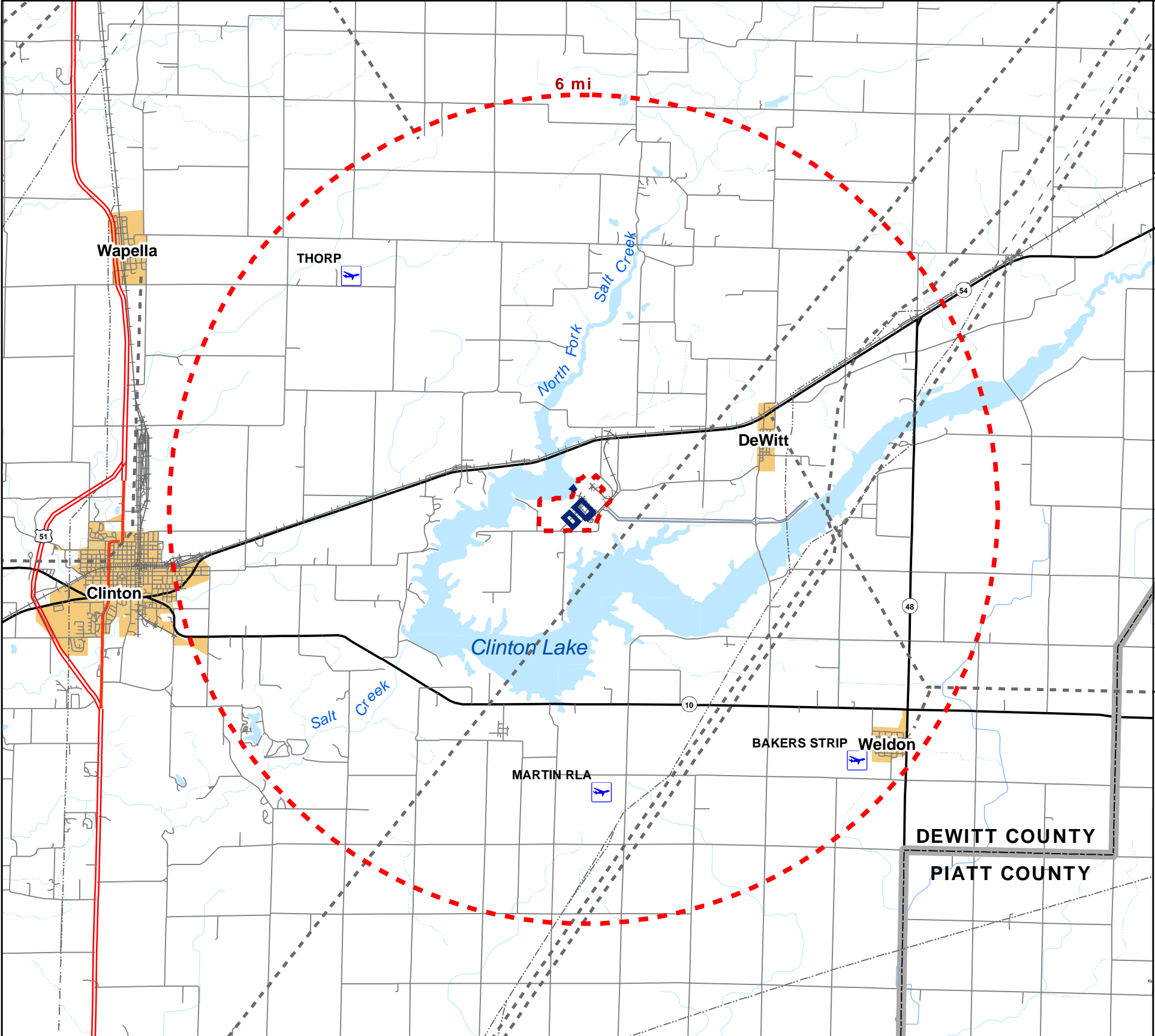


Figure 2.2-3  
Vicinity Transportation Network



**Legend**

- Proposed Areas for EGC ESP Facility Structures
- Site Boundary: Fenceline
- Vicinity: 6-mi radius around site
- Airports
- U.S. Highway, Multilane divided
- U.S. Highway
- State Route
- County or other minor road
- Railroads
- Water: Lakes and Rivers
- Incorporated/Designated Places
- County Boundary
- Pipelines
- Electrical Lines

Data Sources:  
 Bureau of Transportation Statistics, 2000  
 IDNR, 1993  
 IDNR, 1984  
 U.S. Census Bureau, 2000  
 U.S. Census Bureau, 2002  
 U.S. Census Bureau, 2002a

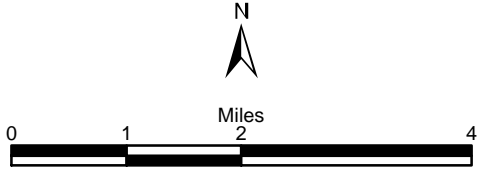
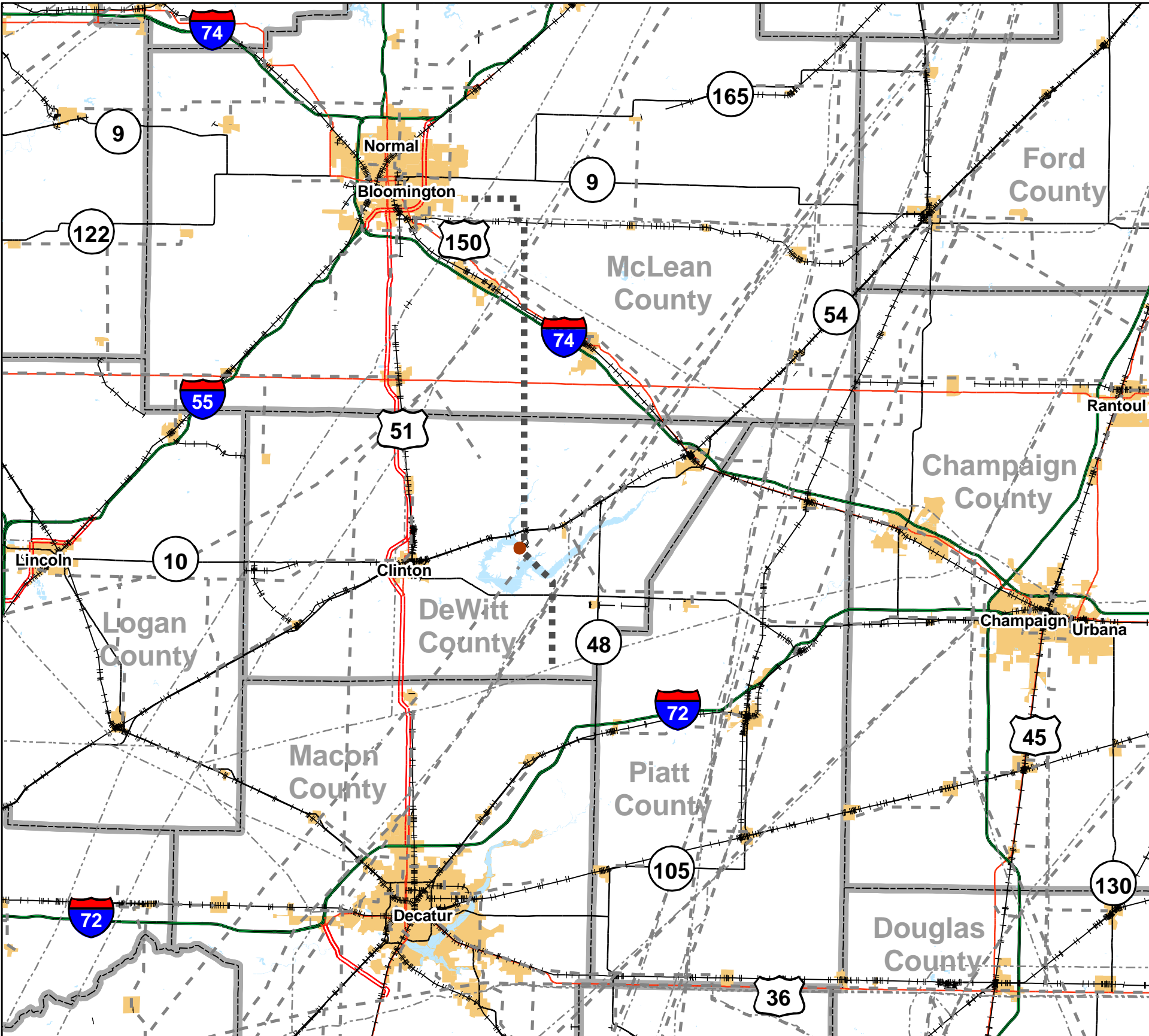


Figure 2.2-4  
Proposed Transmission Line Corridor



**Legend**

- EGC ESP Site
- Proposed Transmission Corridor
- - - Pipelines
- - - Electrical Lines
- Interstate, Fully access controlled
- U.S. Highway, Multilane divided
- U.S. Highway
- State Route
- Railroads
- Water: Lakes and Rivers
- Incorporated/Designated Places
- County Boundary

Data Sources:  
 IDNR, 1993  
 IDNR, 1984  
 U.S. Census Bureau, 2000  
 U.S. Census Bureau, 2002  
 U.S. Census Bureau, 2002a

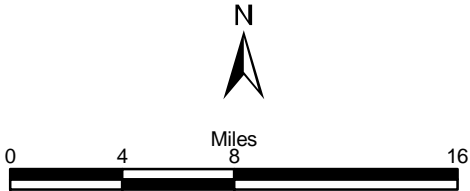
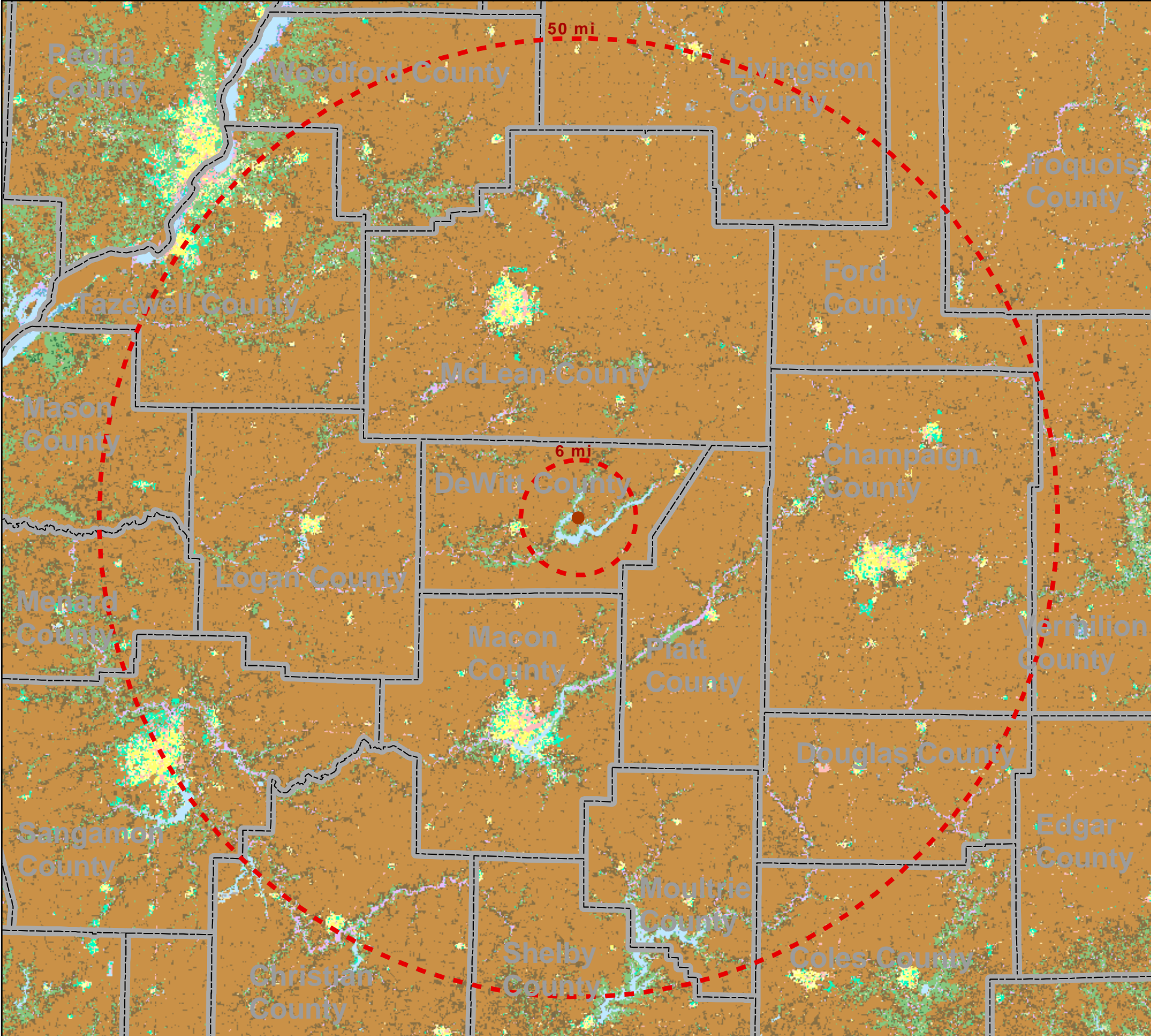


Figure 2.2-5  
Land Use/Land Cover in the Region



**Legend**

- EGC ESP Site
- Vicinity: 6-mi radius around site
- Region: 50-mi radius around site
- County Boundary

**Land Use/Cover**

- Open Water
- Low Intensity Residential
- High Intensity Residential
- Commercial/Industrial/Transportation
- Bare Rock/Sand/Clay
- Quarries/Strip Mines/Gravel Pits
- Deciduous Forest
- Evergreen Forest
- Mixed Forest
- Shrubland
- Orchards/Vineyards/Other
- Grasslands/Herbaceous
- Pasture/Hay
- Row Crop
- Small Grains
- Recreational Grasses
- Woody Wetlands
- Herbaceous Wetlands

Data Sources:  
USGS, 1992  
U.S. Census Bureau, 2002a

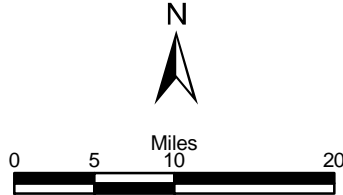
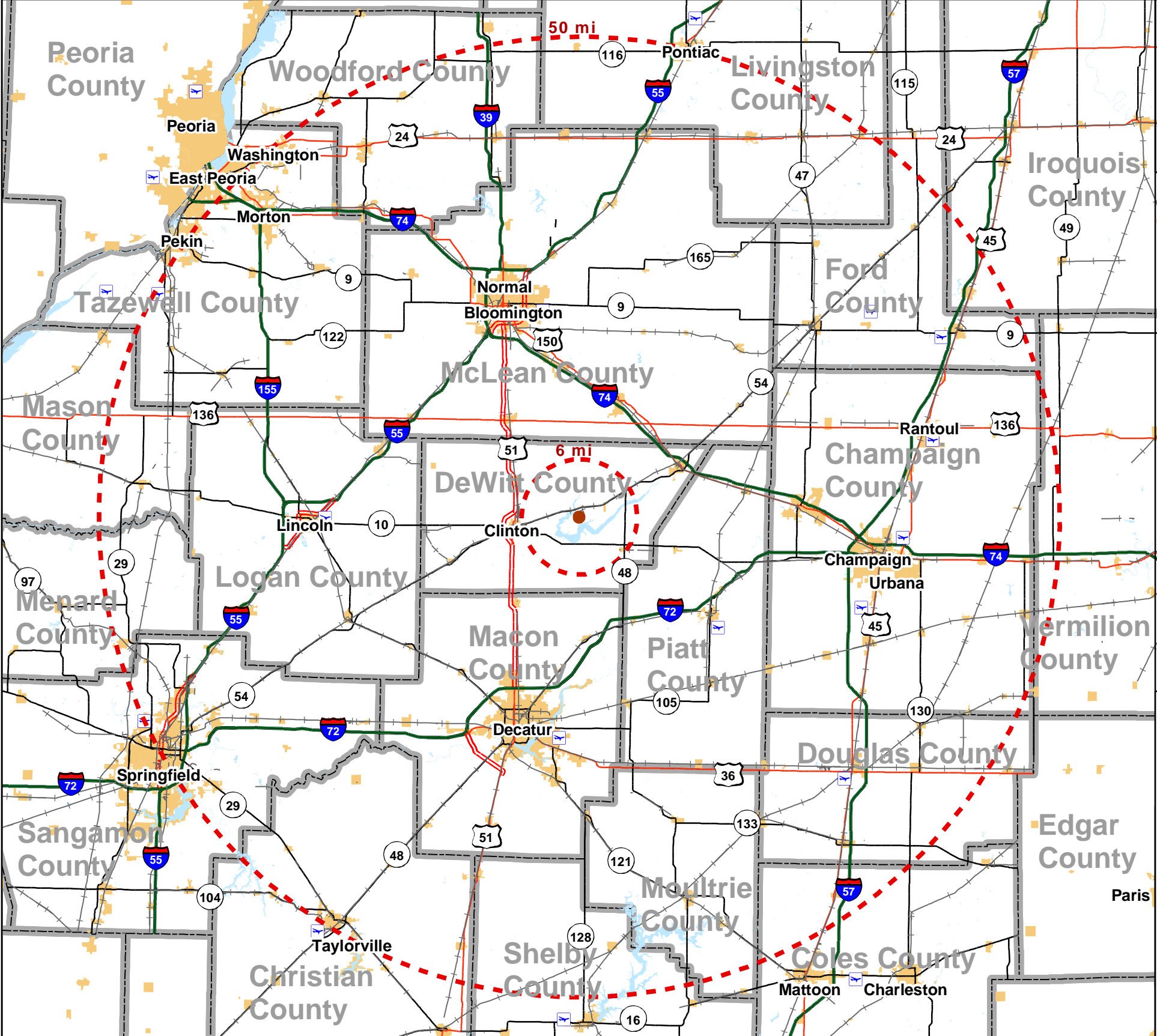


Figure 2.2-6

Regional Transportation Network



Legend

- EGC ESP Site
- ⋯ Vicinity: 6-mi radius around site
- ⋯ Region: 50-mi radius around site
- ✈ Airports
- Interstate, Fully access controlled
- U.S. Highway, Multilane divided
- U.S. Highway
- State Route
- Railroads
- Water: Lakes and Rivers
- Incorporated/Designated Places
- County Boundary

Data Sources:  
 Bureau of Transportation Statistics, 2000  
 U.S. Census Bureau, 2000  
 U.S. Census Bureau, 2002  
 U.S. Census Bureau, 2002a

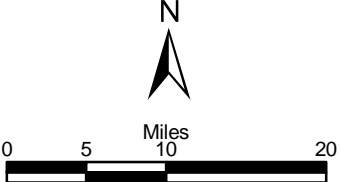
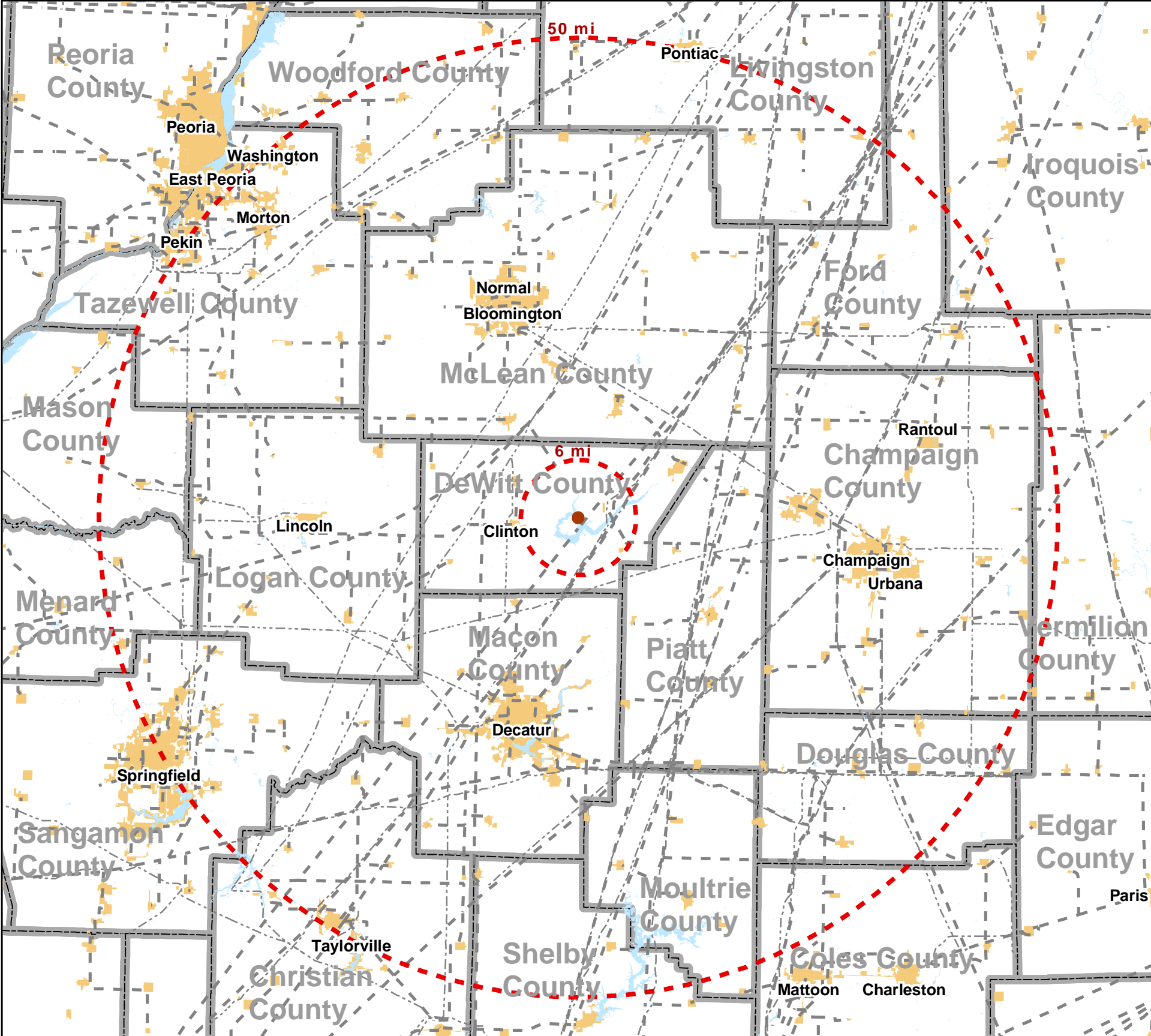




Figure 2.2-7  
Regional Utility Network



**Legend**

- EGC ESP Site
- Vicinity: 6-mi radius around site
- Region: 50-mi radius around site
- Pipelines
- Electrical Lines
- Water: Lakes and Rivers
- Incorporated/Designated Places
- County Boundary

Data Sources:  
 IDNR, 1993  
 IDNR, 1984  
 U.S. Census Bureau, 2000  
 U.S. Census Bureau, 2002  
 U.S. Census Bureau, 2002a

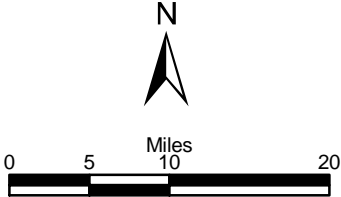
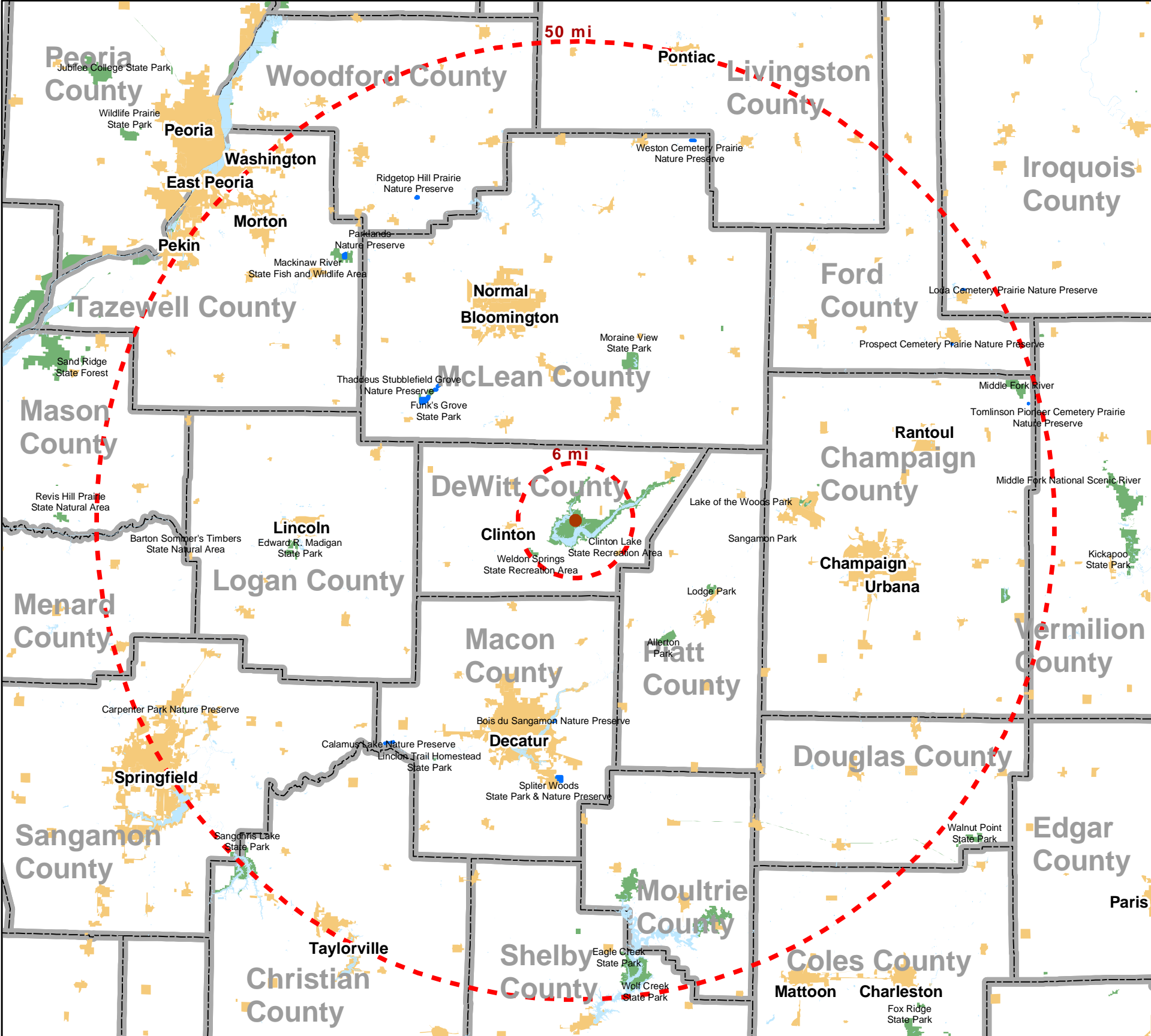
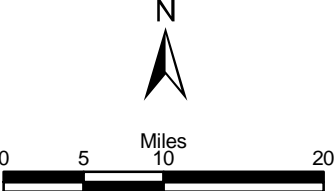


Figure 2.2-8  
Regional Recreational Areas

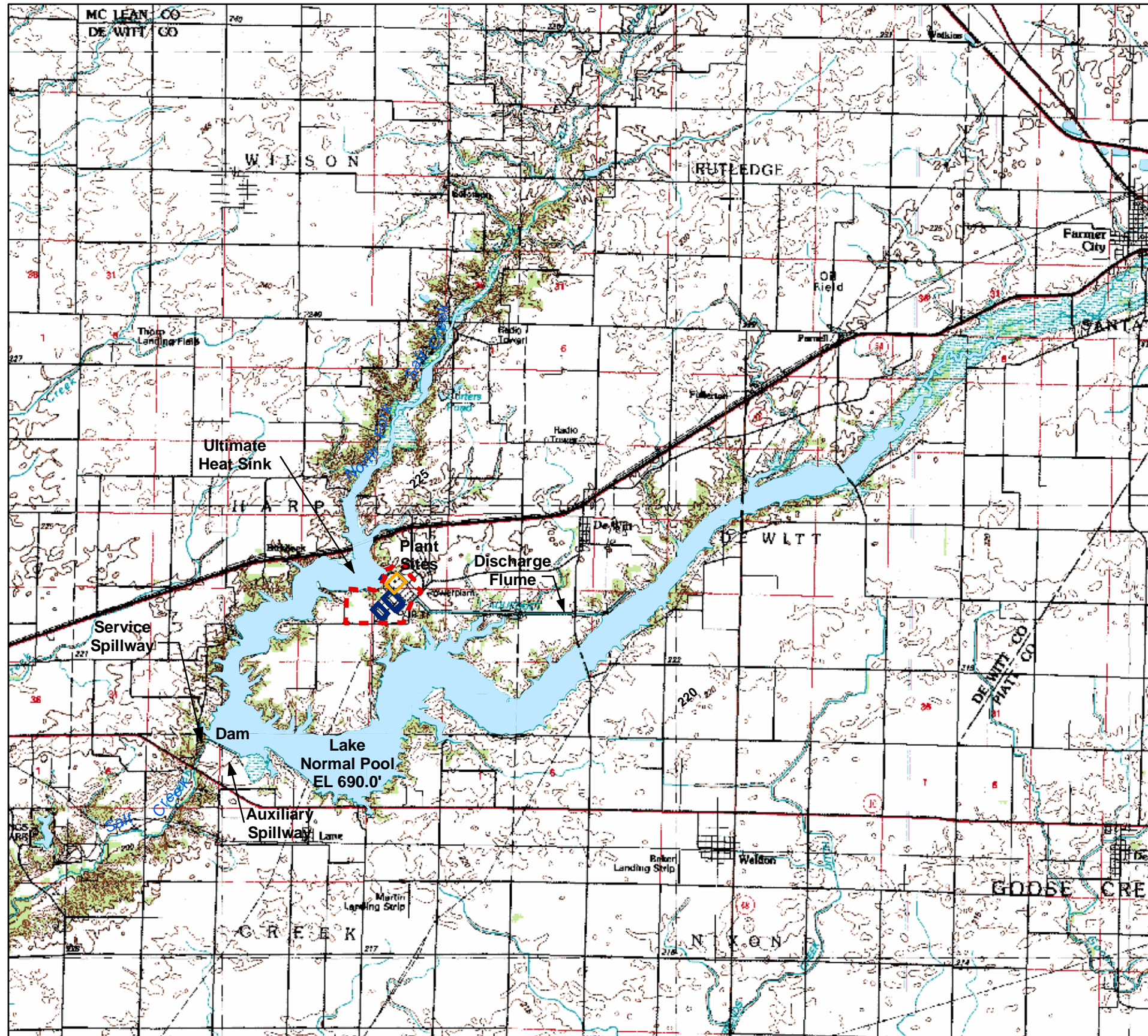


- Legend**
- EGC ESP Site
  - Vicinity: 6-mi radius around site
  - Region: 50-mi radius around site
  - Nature Preserves
  - Recreational Areas
  - Water: Lakes and Rivers
  - Incorporated/Designated Places
  - County Boundary





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



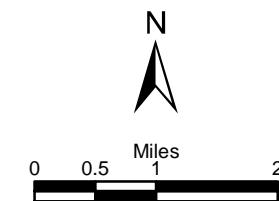
**Figure 2.3-1  
Plant Location  
and Clinton Lake Impoundment**



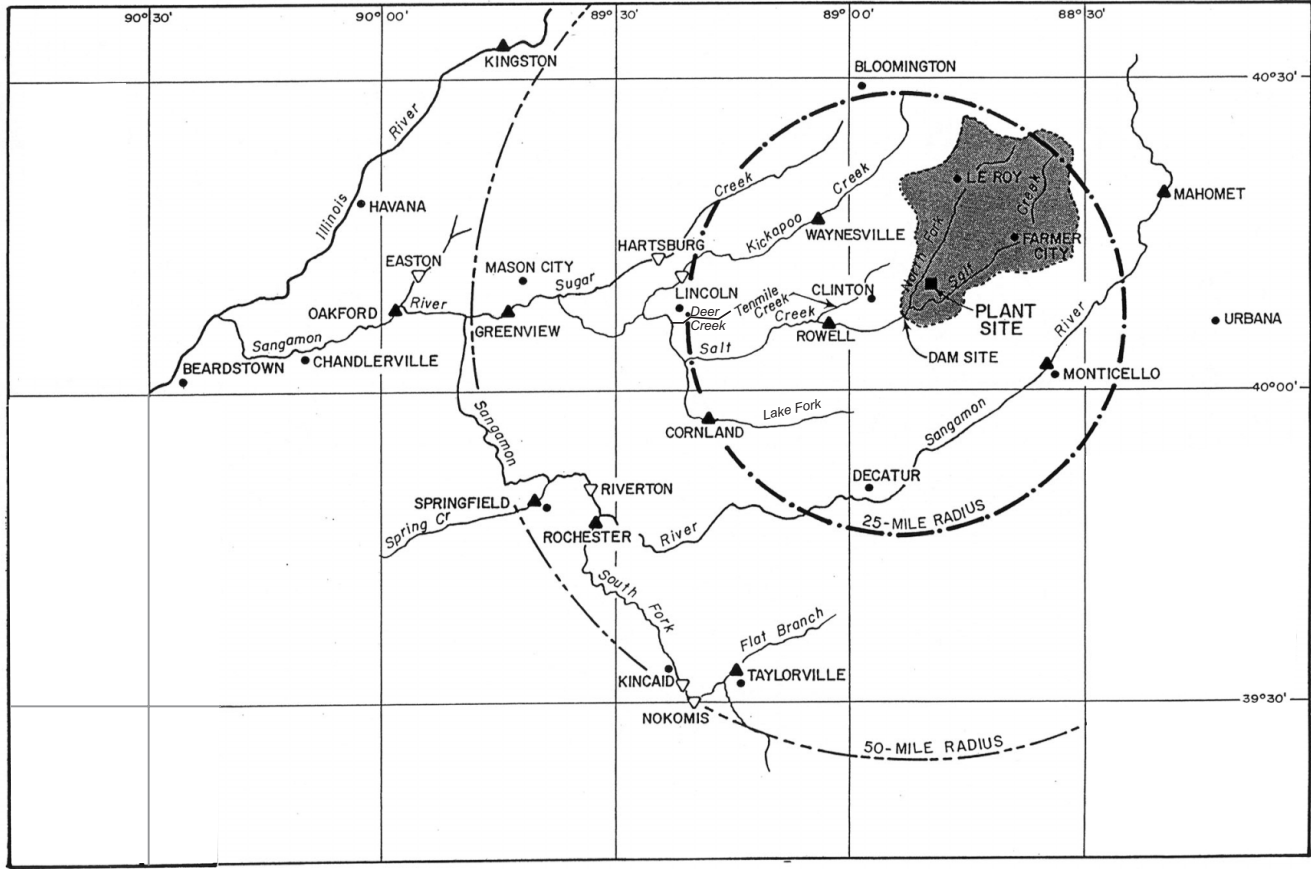
**Legend**

-  CPS Facility
-  Proposed Areas for EGC ESP Facility Structures
-  Site Boundary: Fenceline
-  Water: Lakes and Rivers

Data Sources:  
U.S. Census Bureau, 2000  
USGS, 1984 and 1989



**Figure 2.3-2**  
**Hydrologic Network**  
**Sangamon River Basin**



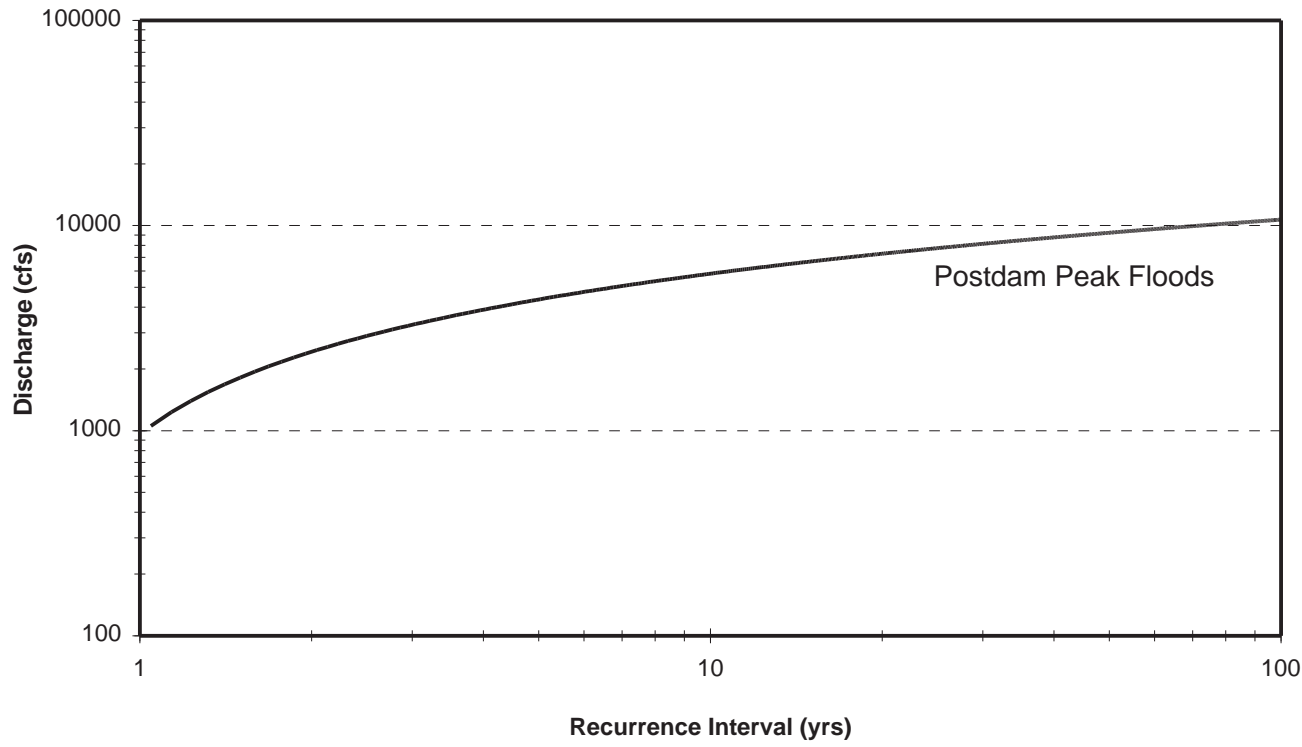
**Legend**

- ▲ Recording Station
- ▼ Discontinued Station
- Cities

Data Source:  
CPS, 1982



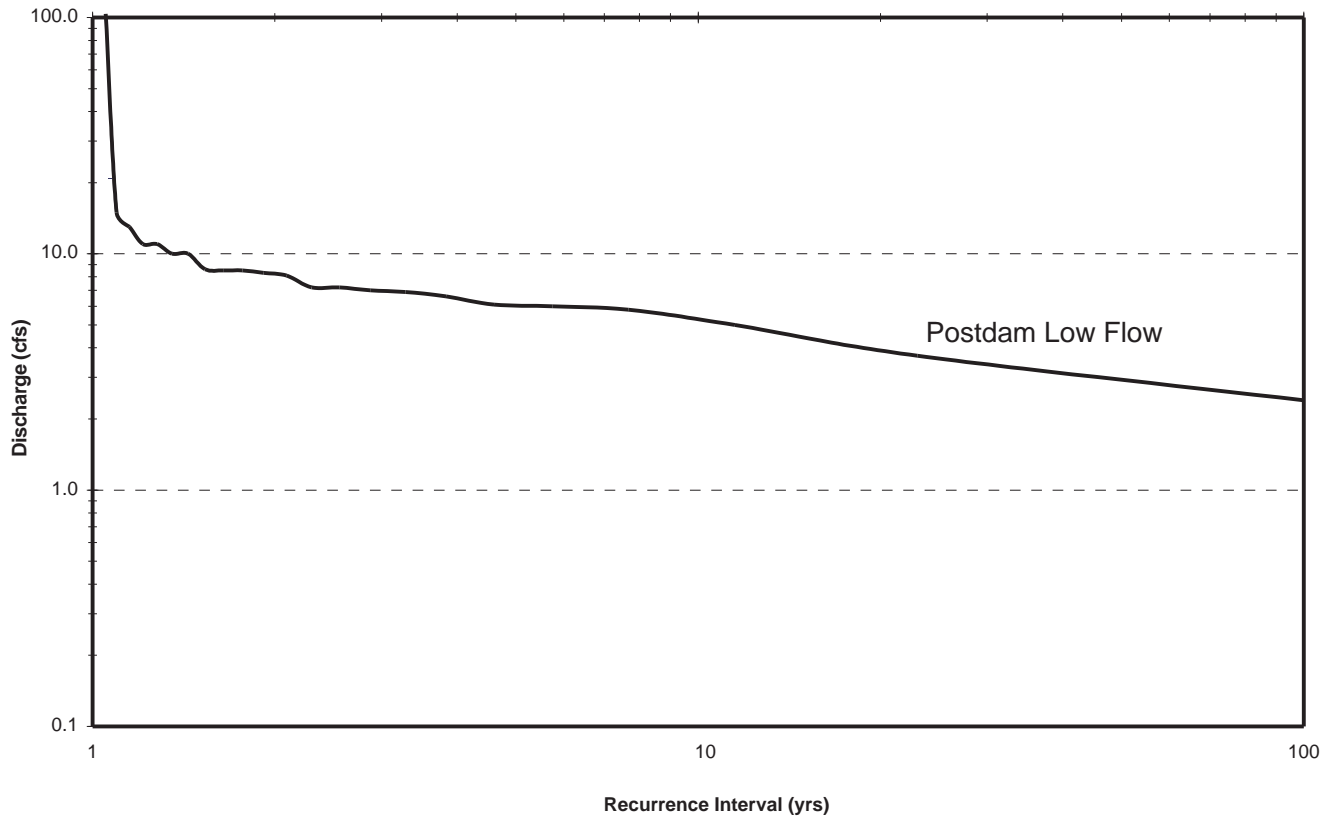
**Figure 2.3-3**  
**Postdam Peak Flood**  
**Magnitudes and Frequencies for**  
**Salt Creek at Rowell Gauge Station**



Data Source:  
USGS, 2002

Not to Scale

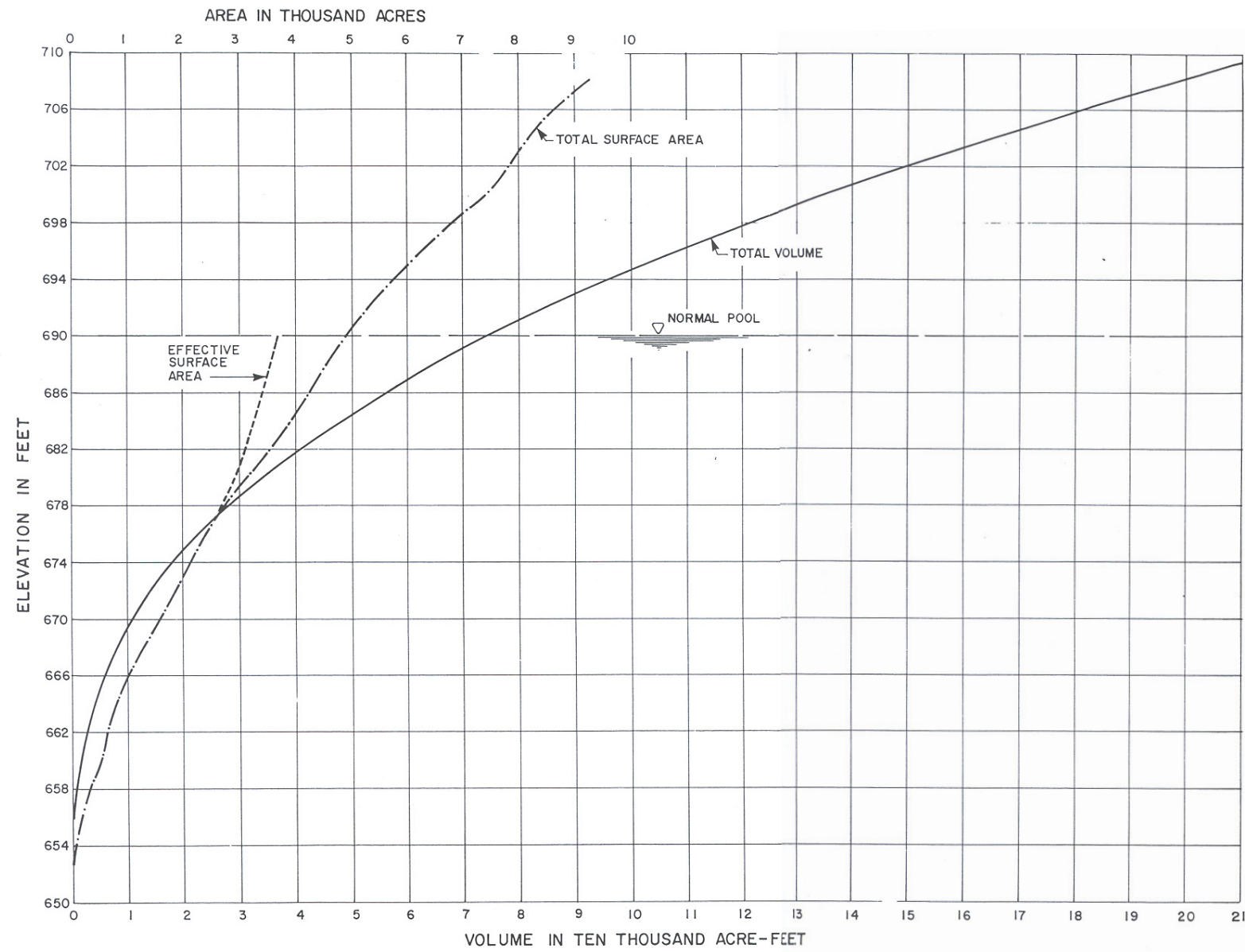
Environmental Report for the EGC Early Site Permit  
**Figure 2.3-4**  
**Postdam 1-Day Duration,  
Low-Flow Magnitudes and  
Frequencies for Salt Creek at  
Rowell Gauge Station**



Data Source:  
USGS, 2002

Not to Scale

**Figure 2.3-5  
Lake Elevation-  
Area Capacity Curves**



| ELEVATION IN FEET | AREA IN ACRES | CAPACITY IN ACRE- FEET |
|-------------------|---------------|------------------------|
| 680               | 3,100         | 33,900                 |
| 682               | 3,550         | 40,600                 |
| 684               | 3,930         | 48,000                 |
| 686               | 4,250         | 56,000                 |
| 688               | 4,520         | 64,800                 |
| 690               | 4,895         | 74,200                 |
| 692               | 5,210         | 83,600                 |
| 694               | 5,700         | 95,000                 |
| 696               | 6,140         | 106,300                |
| 698               | 6,800         | 120,000                |
| 700               | 7,380         | 133,300                |
| 702               | 7,800         | 149,000                |
| 704               | 8,180         | 164,300                |
| 706               | 8,600         | 182,000                |
| 708               | 9,260         | 199,200                |

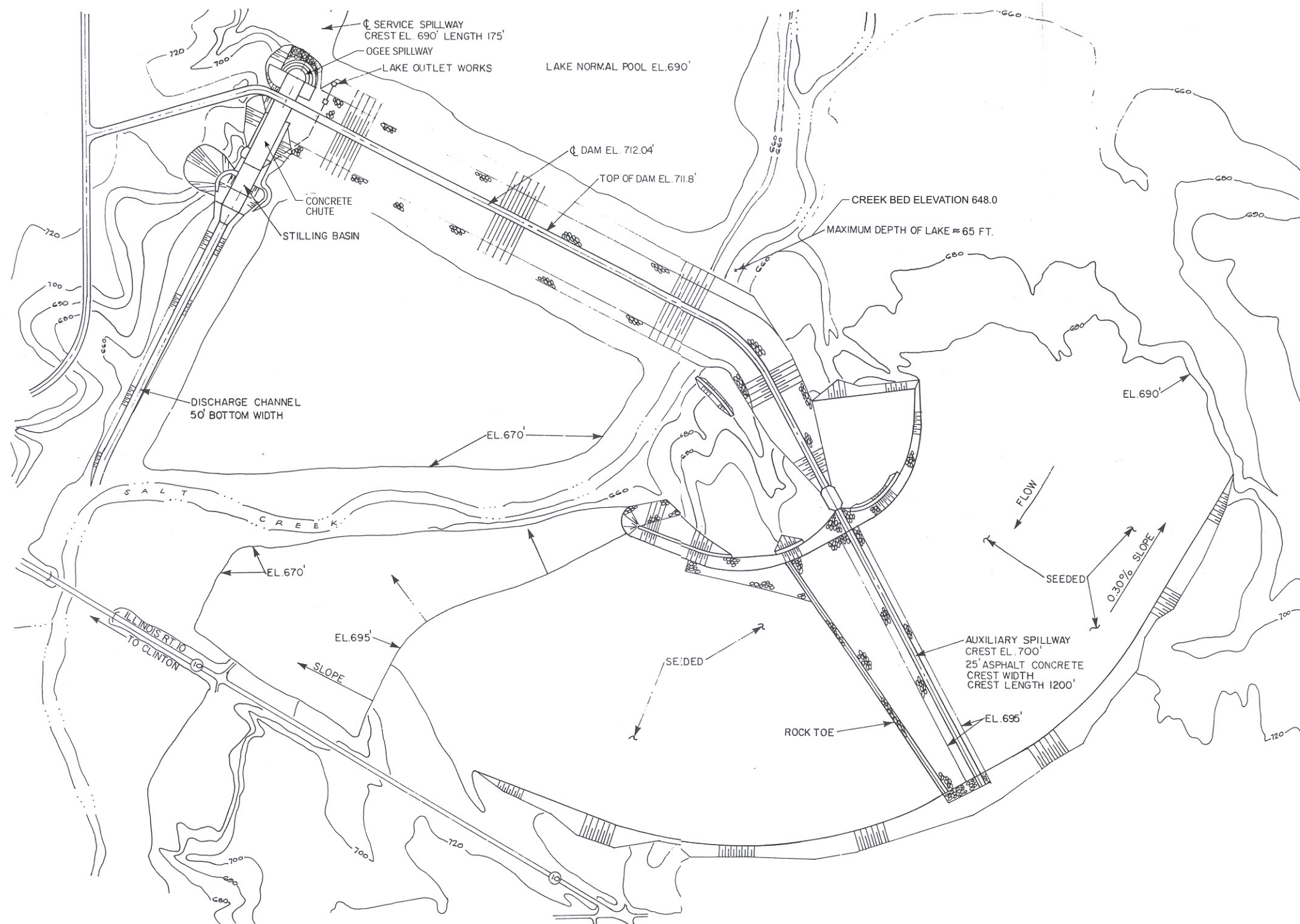
**Legend**

- Effective Surface Area
- · - Total Surface Area
- Total Volume

Data Source:  
CPS, 1982

Not to Scale

**Figure 2.3-6**  
**Plan of Main Dam, Spillways,**  
**and Outlet Works**



Data Source:  
CPS, 1982



Not to Scale