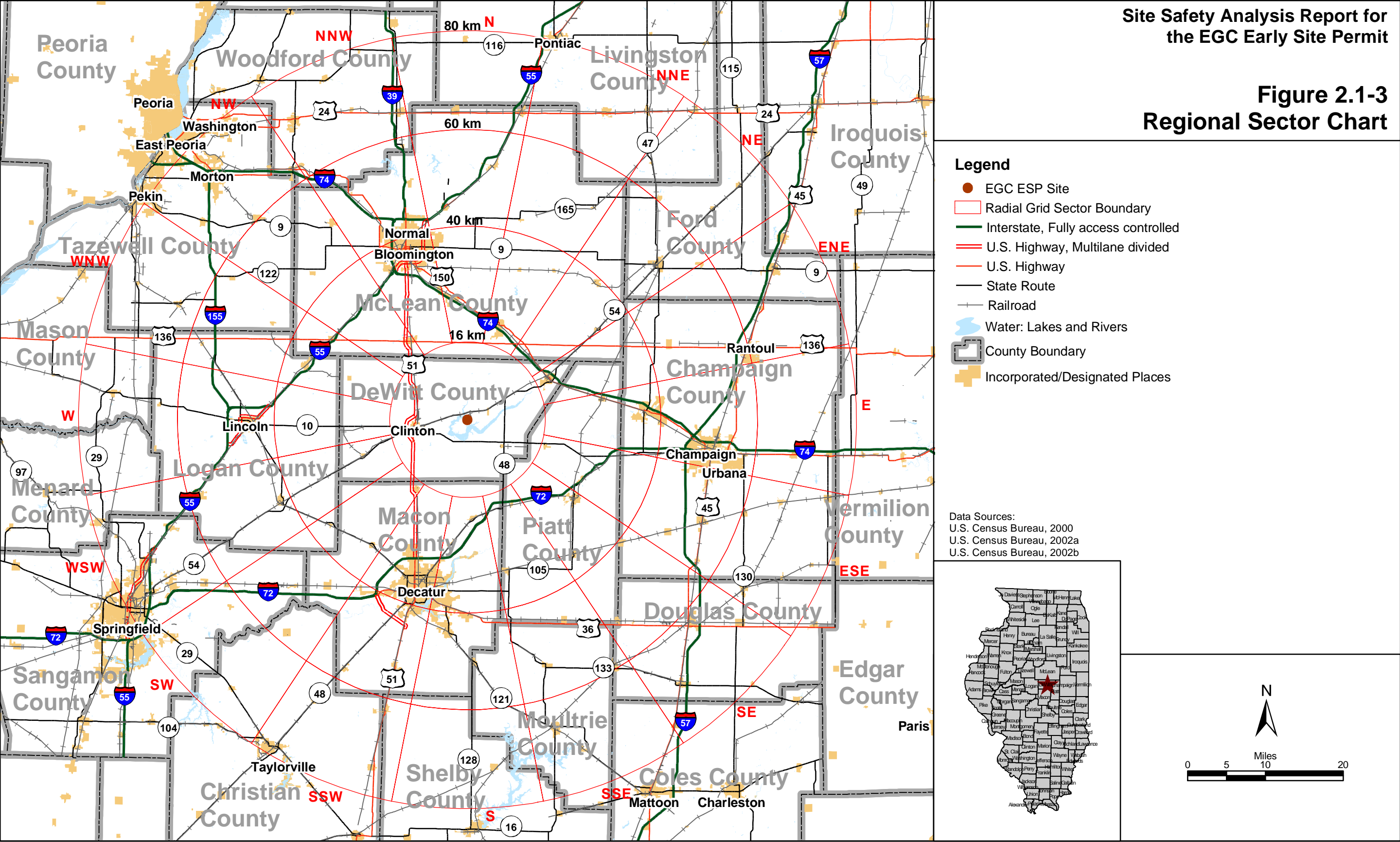


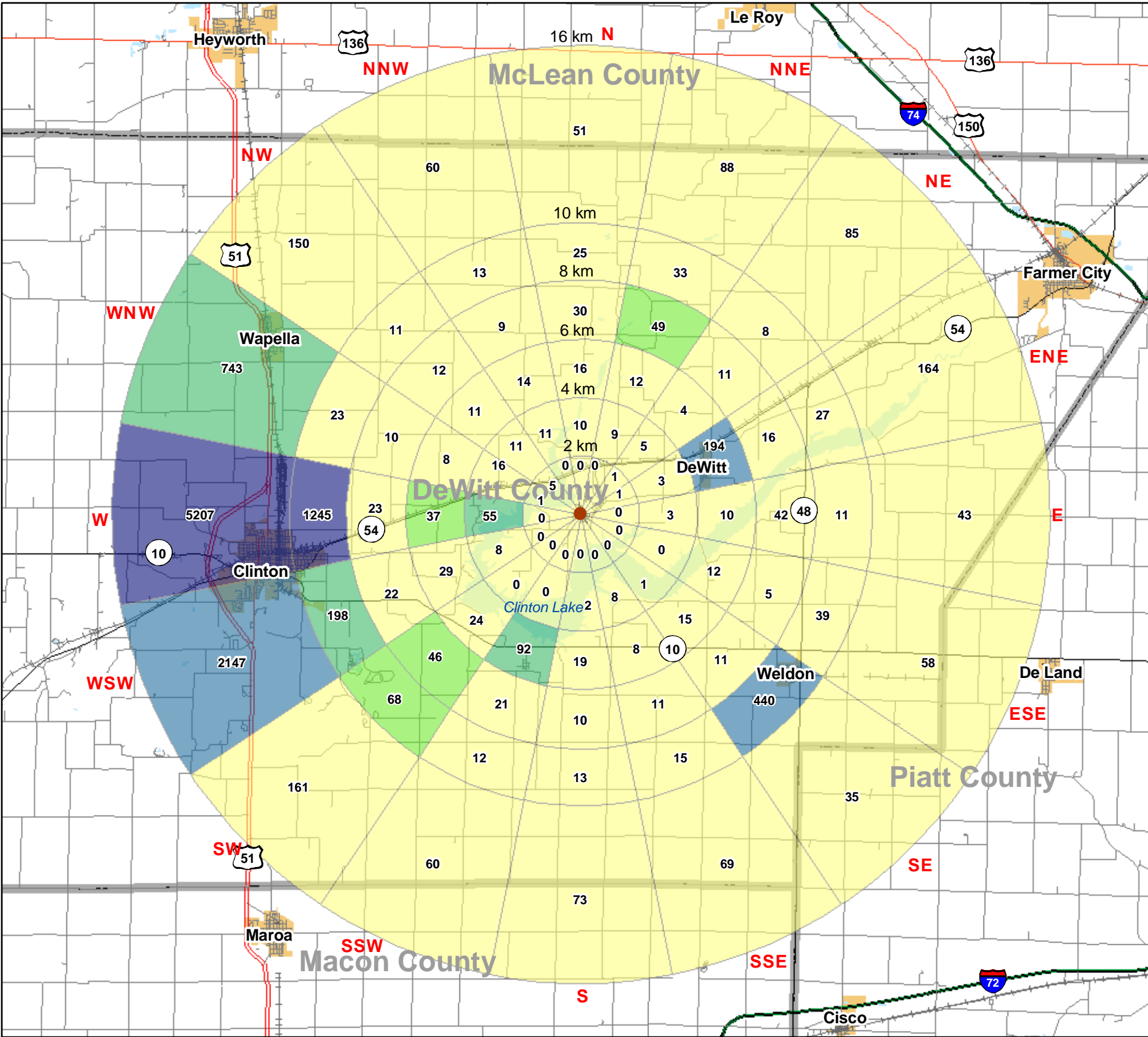
Site Safety Analysis Report for  
the EGC Early Site Permit

Figure 2.1-3  
Regional Sector Chart



Site Safety Analysis Report for  
the EGC Early Site Permit

**Figure 2.1-4**  
**Vicinity Population And**  
**Population Density - Year 2000**



**Legend**

- EGC ESP Site
- Interstate, Fully access controlled
- 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

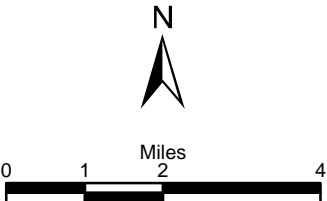
**Persons per Sq Mi**

- 0 - 20
- 21 - 50
- 51 - 100
- 101 - 200
- > 200

Census 2000 Population shown for  
each radial grid sector

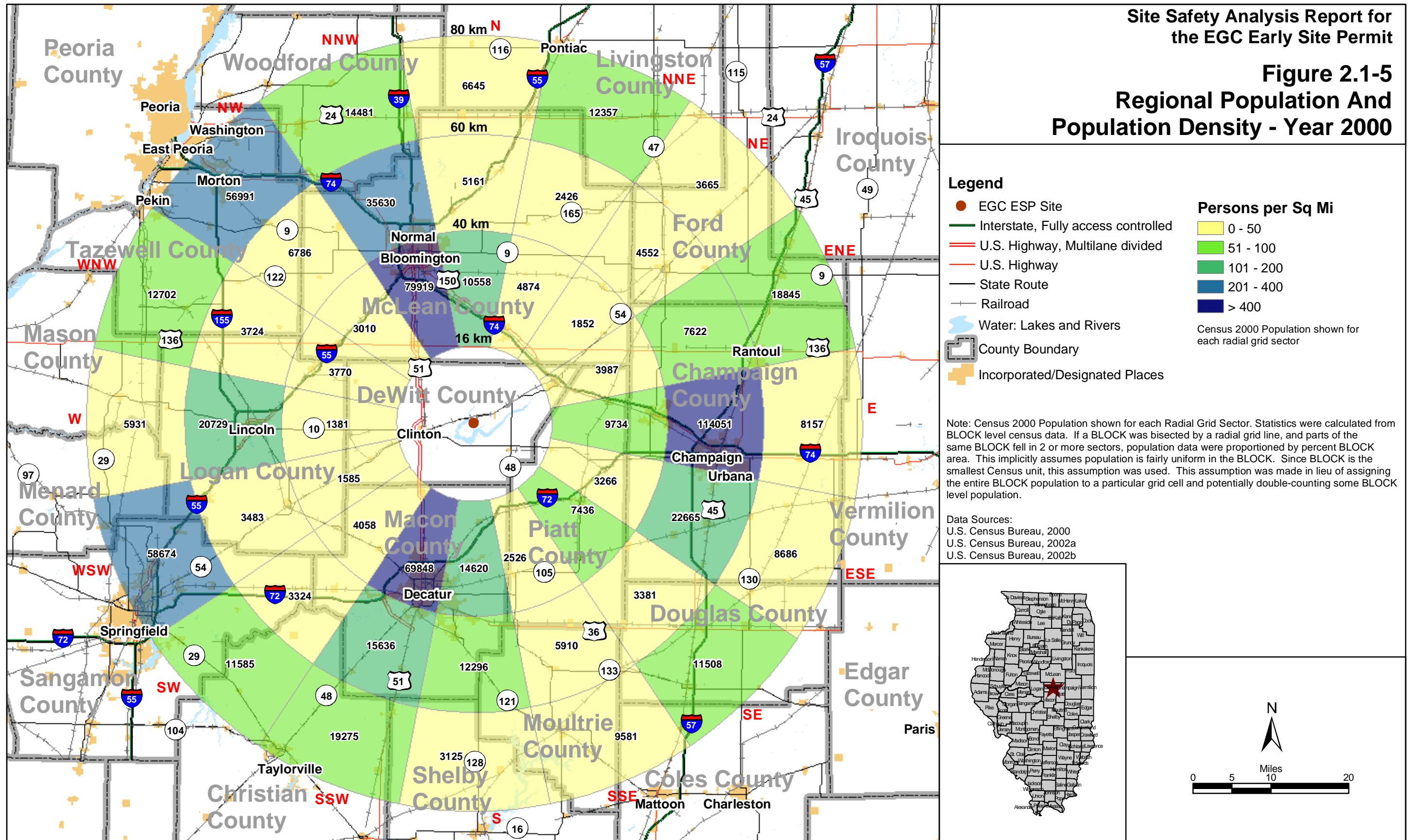
Note: Census 2000 Population shown for each Radial Grid Sector. Statistics were calculated from BLOCK level census data. If a BLOCK was bisected by a radial grid line, and parts of the same BLOCK fell in 2 or more sectors, population data were proportioned by percent BLOCK area. This implicitly assumes population is fairly uniform in the BLOCK. Since BLOCK is the smallest Census unit, this assumption was used. This assumption was made in lieu of assigning the entire BLOCK population to a particular grid cell and potentially double-counting some BLOCK level population.

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



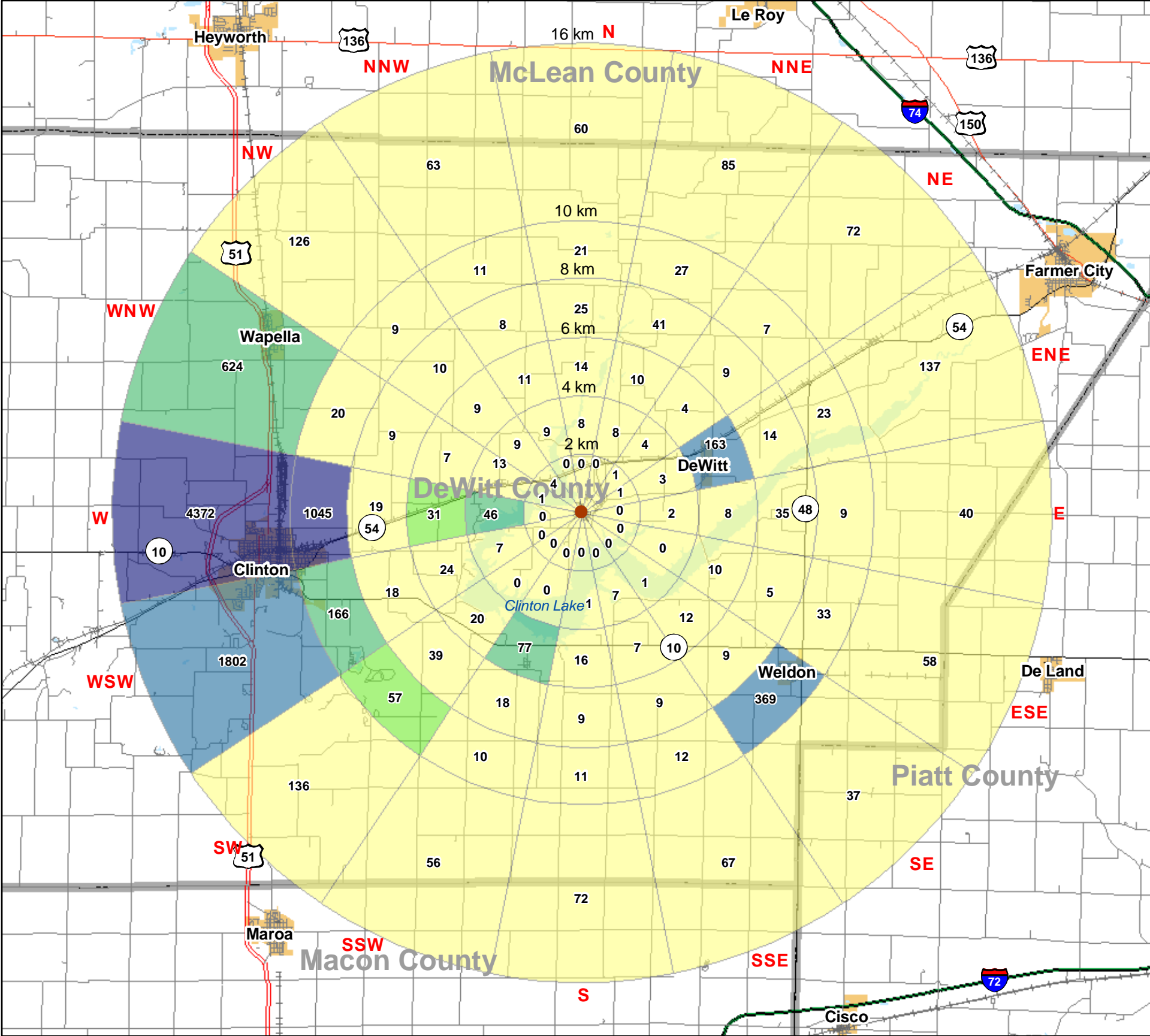
Site Safety Analysis Report for  
the EGC Early Site Permit

**Figure 2.1-5**  
**Regional Population And**  
**Population Density - Year 2000**



Site Safety Analysis Report for  
the EGC Early Site Permit

**Figure 2.1-6**  
**Vicinity Population And**  
**Population Density - Year 2060**



**Legend**

- EGC ESP Site
- Interstate, Fully access controlled
- 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

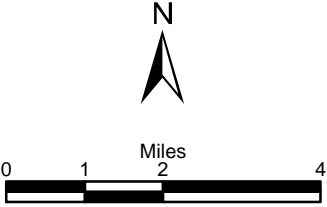
**Persons per Sq Mi**

- 0 - 20
- 21 - 50
- 51 - 100
- 101 - 200
- > 200

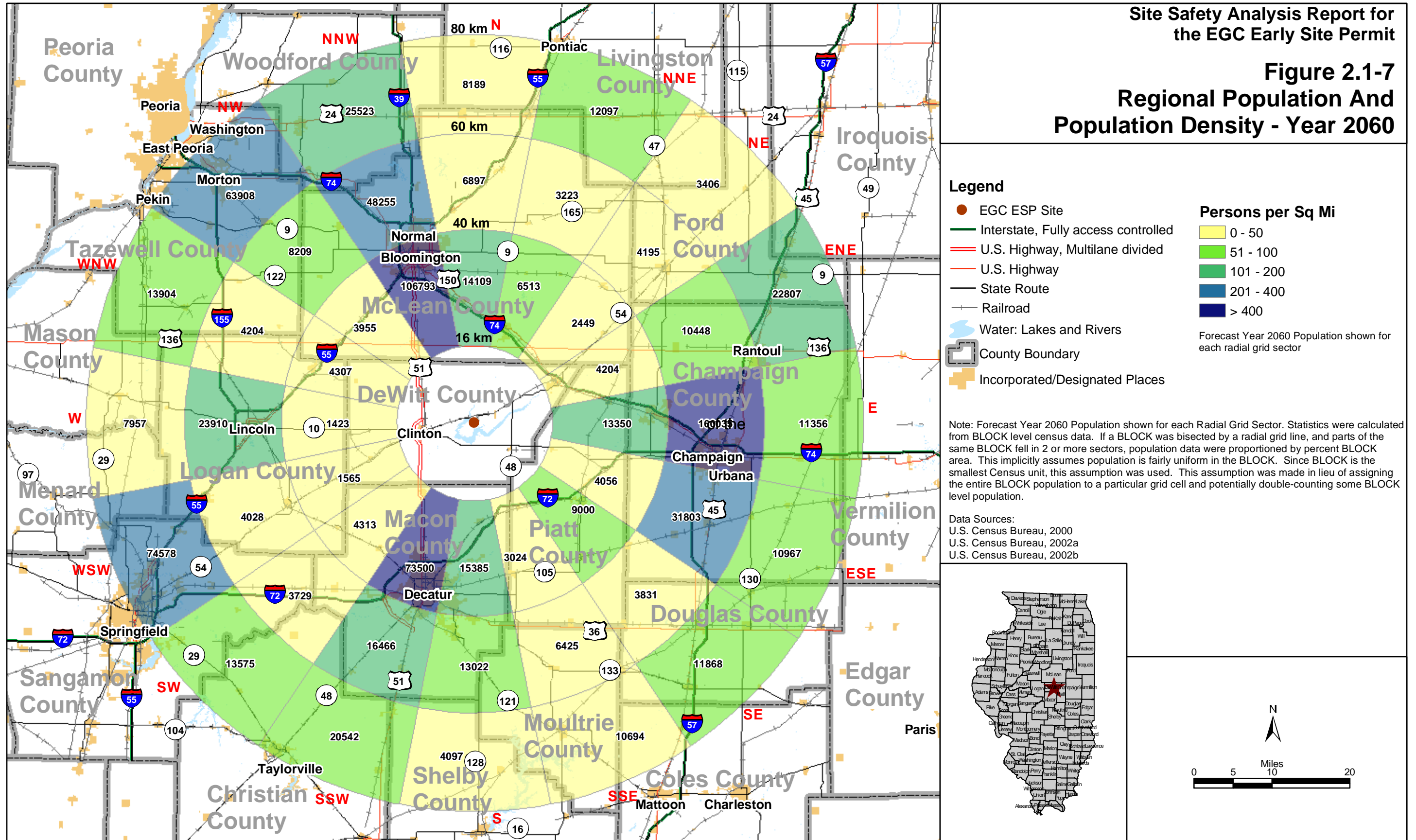
Forecast Year 2060 Population shown for each radial grid sector

Note: Forecast Year 2060 Population shown for each Radial Grid Sector. Statistics were calculated from BLOCK level census data. If a BLOCK was bisected by a radial grid line, and parts of the same BLOCK fell in 2 or more sectors, population data were proportioned by percent BLOCK area. This implicitly assumes population is fairly uniform in the BLOCK. Since BLOCK is the smallest Census unit, this assumption was used. This assumption was made in lieu of assigning the entire BLOCK population to a particular grid cell and potentially double-counting some BLOCK level population.

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



# Site Safety Analysis Report for the EGC Early Site Permit **Figure 2.1-7** **Regional Population And Population Density - Year 2060**



Site Safety Analysis Report for  
the EGC Early Site Permit

Figure 2.2-1  
ESP Site Location and  
Transportation Network

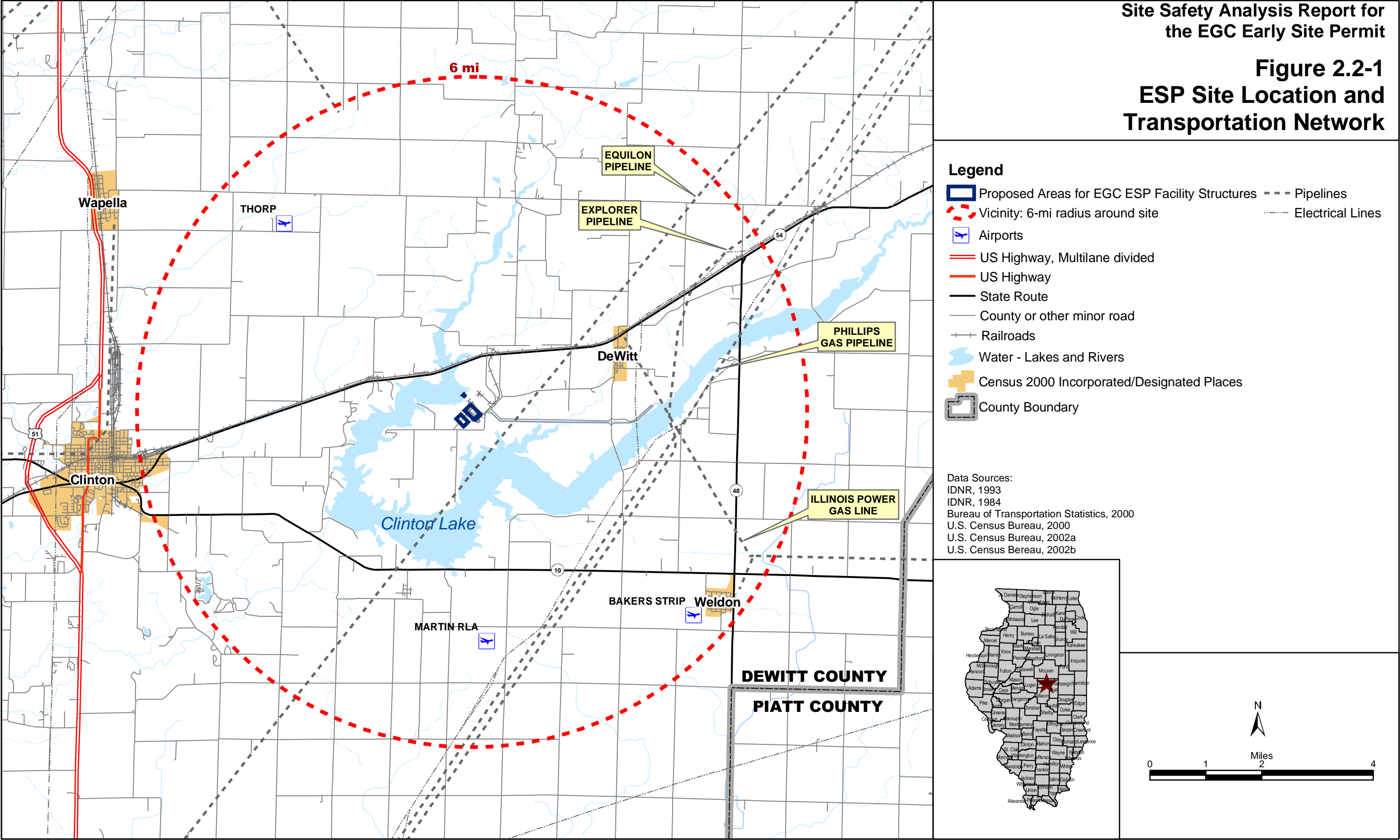
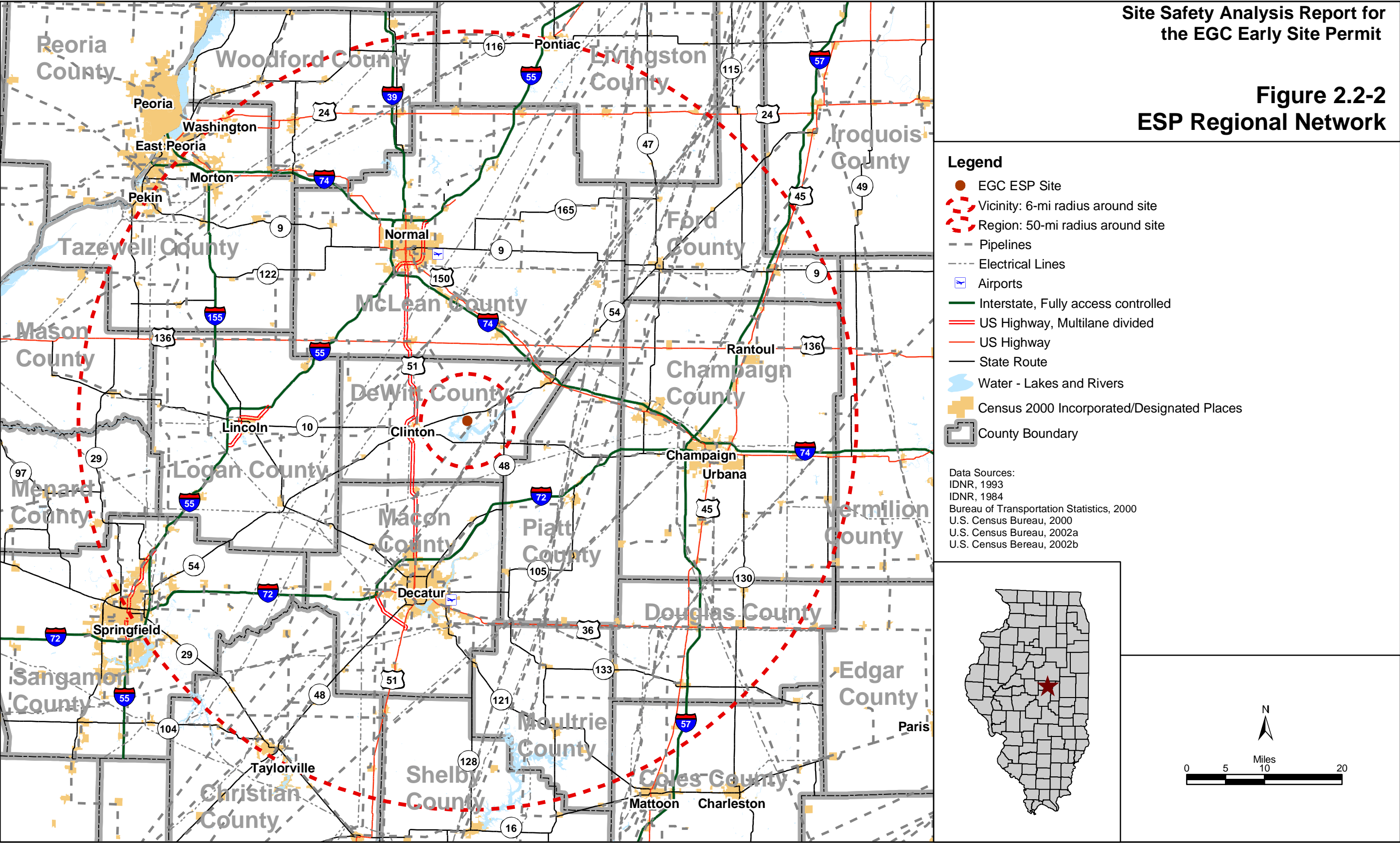


Figure 2.2-2  
ESP Regional Network



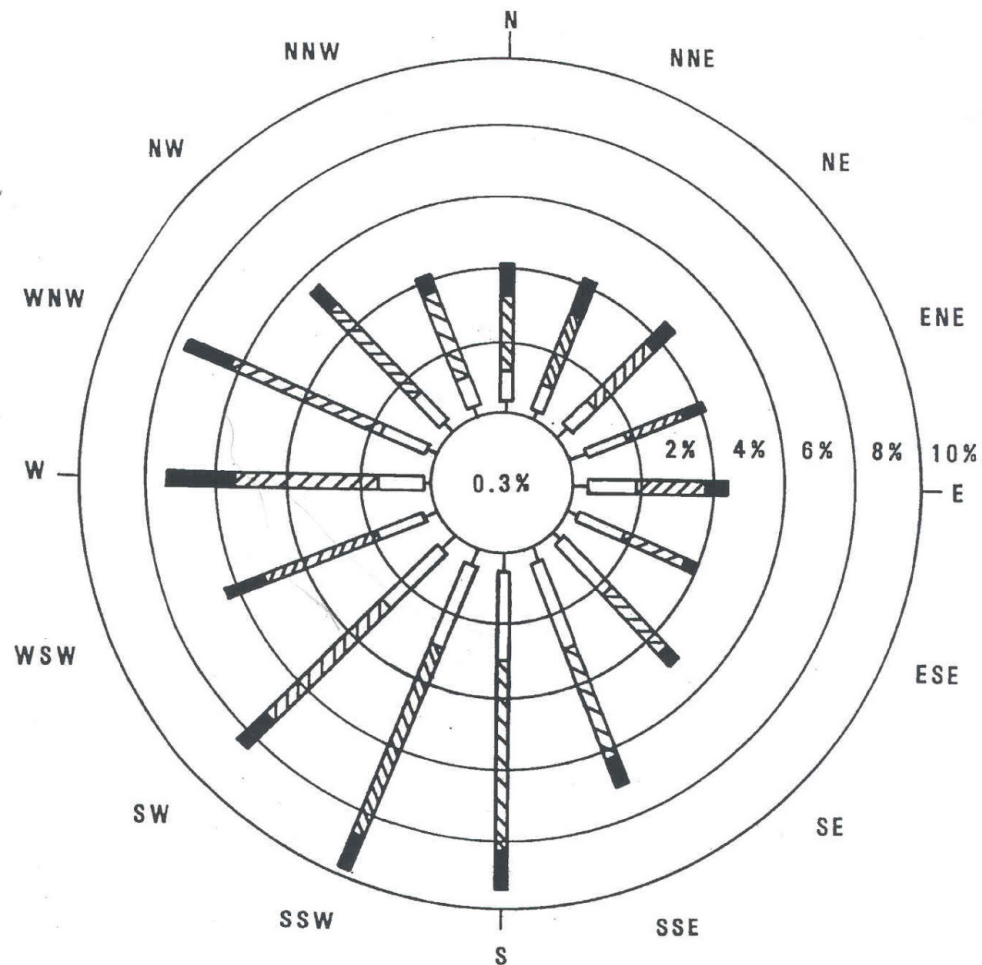


Site Safety Analysis Report for  
the EGC Early Site Permit

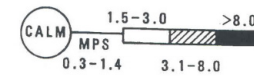
**Figure 2.3-1**  
**Number of Tornadoes**  
**per County**  
**(1916-1969) 54 Year Period**



Site Safety Analysis Report for  
the EGC Early Site Permit  
**Figure 2.3-2**  
**Wind Rose, 10-Meter Level,**  
**Clinton Power Station Site,**  
**Period of Record:**  
**4/14/72-4/30/77**



**Legend**



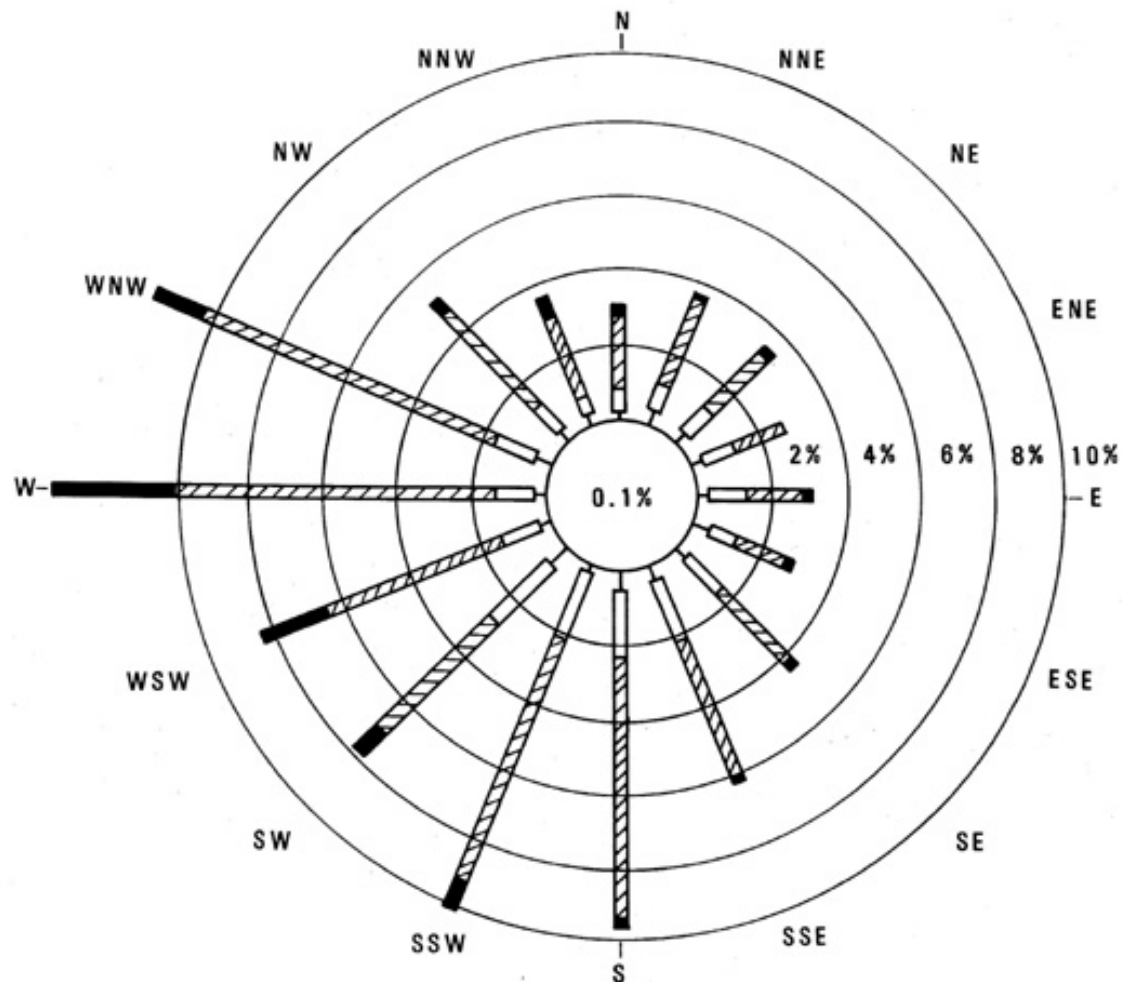
Data Source:  
CPS, 2002

Not to Scale

Figure 2.3-3

**Wind Rose, 10-Meter Level,  
Clinton Power Station Site,  
Composite January**

### Legend

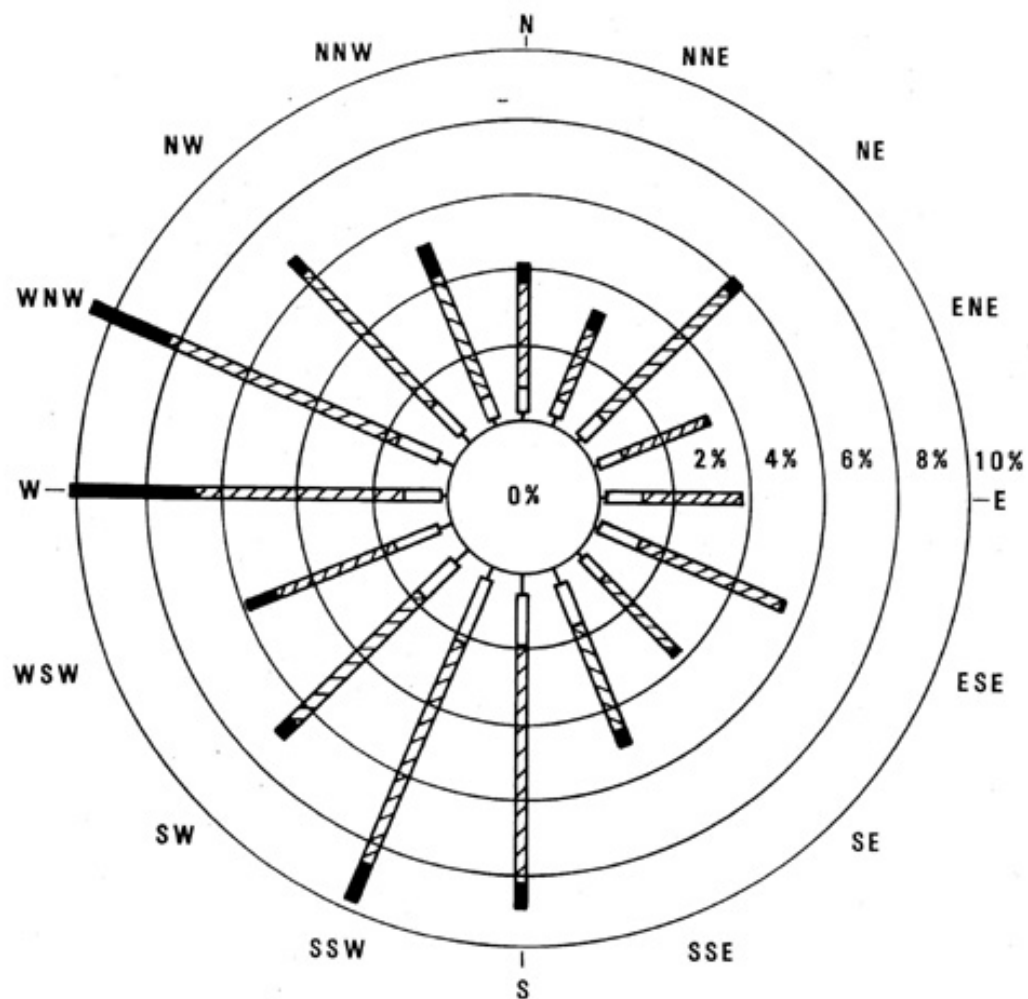


Not to Scale

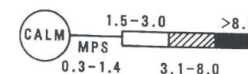
**Figure 2.3-4**

**Wind Rose, 10-Meter Level,  
Clinton Power Station Site,  
Composite February**

**Period of Record: 4/14/72-4/30/77**



**Legend**



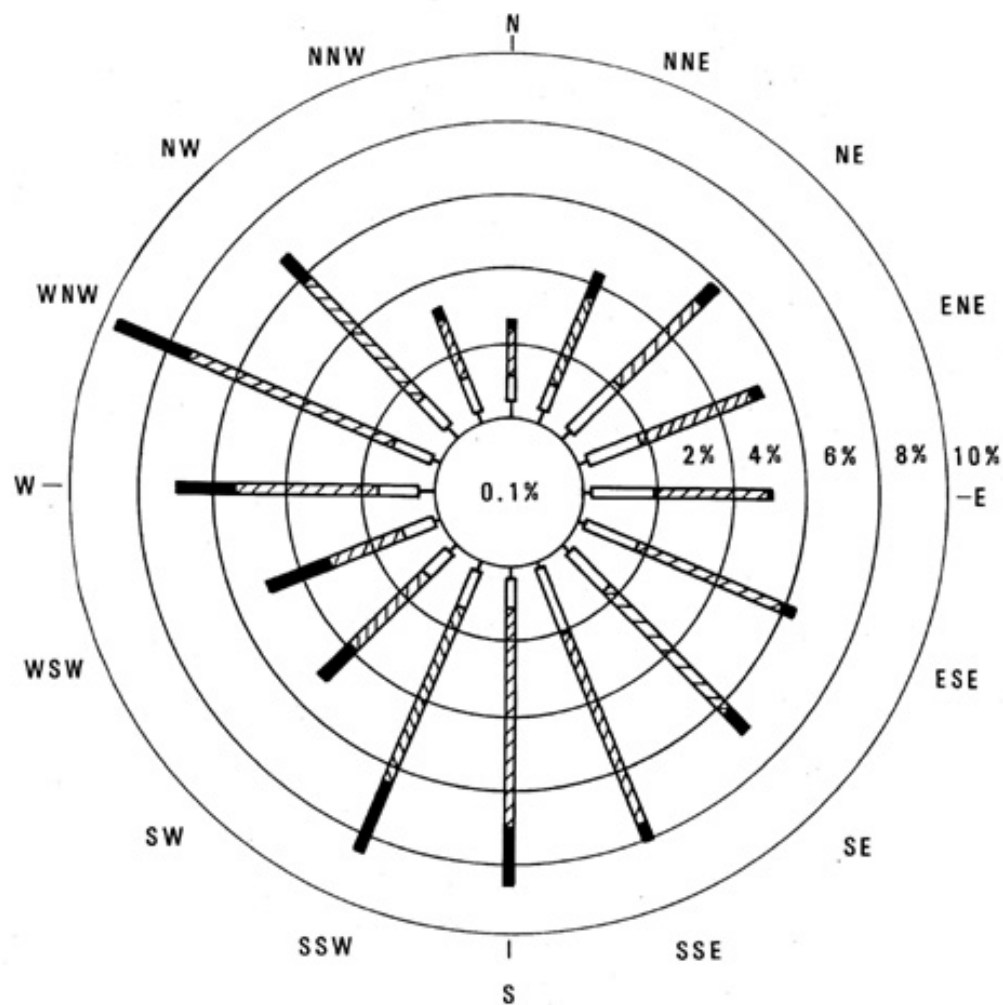
Data Source:  
CPS, 2002

Not to Scale

**Figure 2.3-5**

**Wind Rose, 10-Meter Level,  
Clinton Power Station Site,  
Composite March**

**Period of Record: 4/14/72-4/30/77**

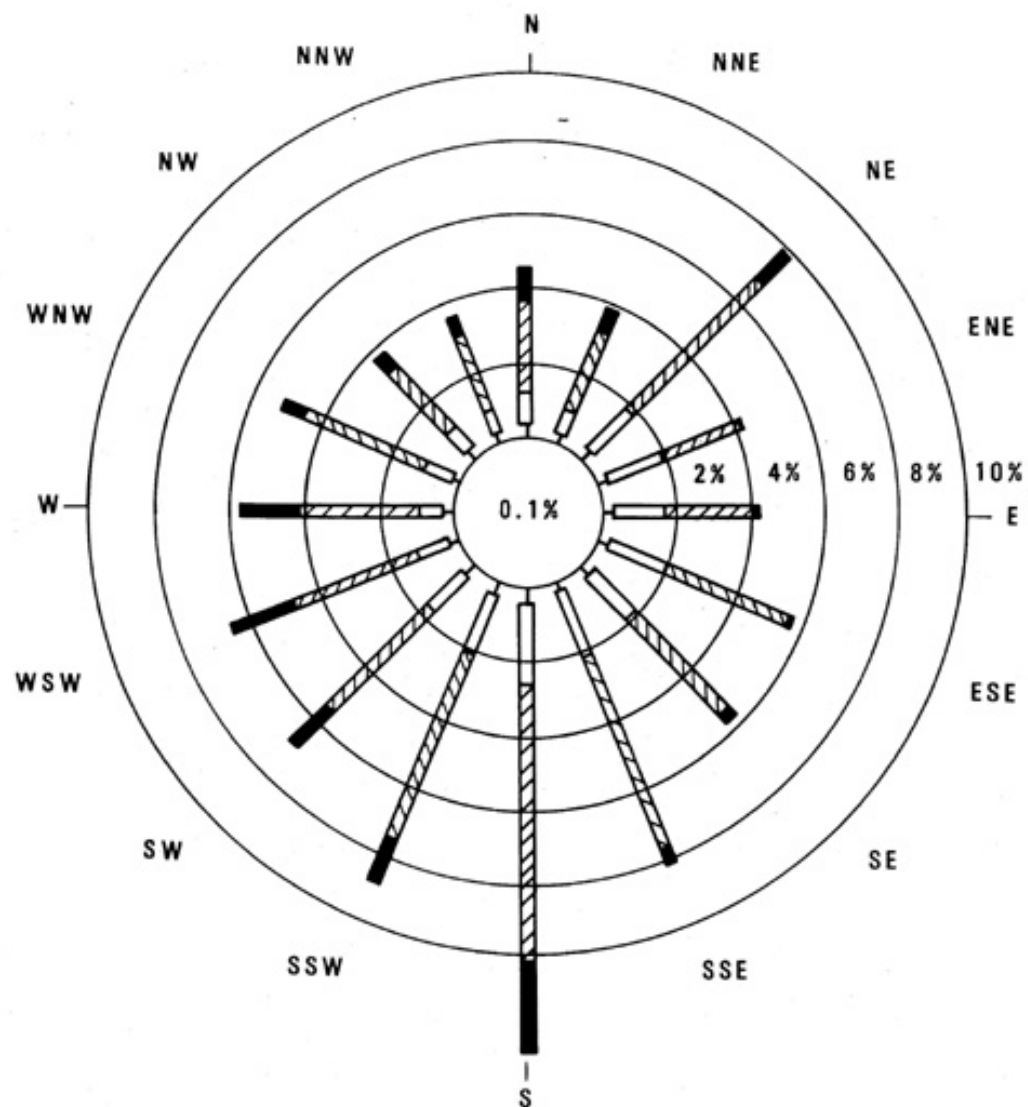


Not to Scale

**Figure 2.3-6**

**Wind Rose, 10-Meter Level,  
Clinton Power Station Site,  
Composite April**

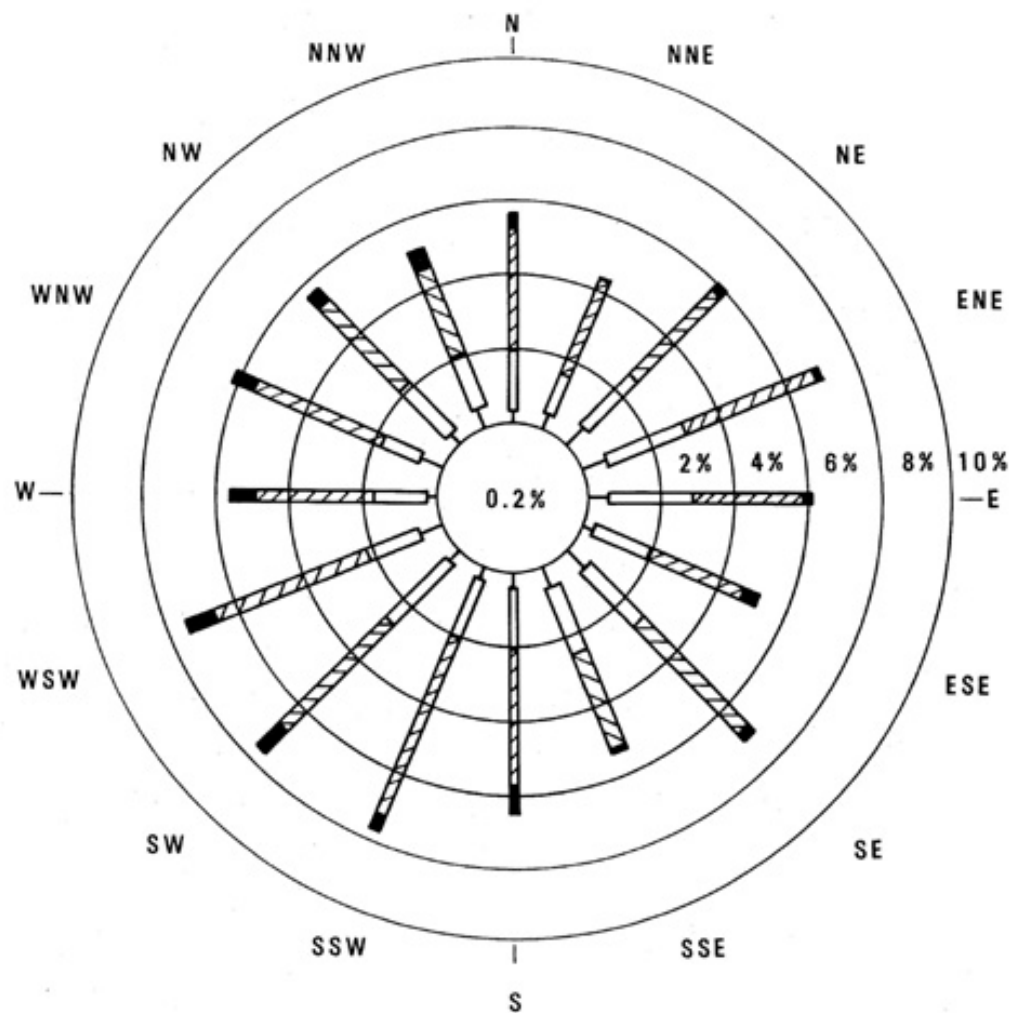
**Period of Record: 4/14/72-4/30/77**



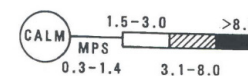
**Figure 2.3-7**

**Wind Rose, 10-Meter Level,  
Clinton Power Station Site,  
Composite May**

**Period of Record: 4/14/72-4/30/77**



**Legend**



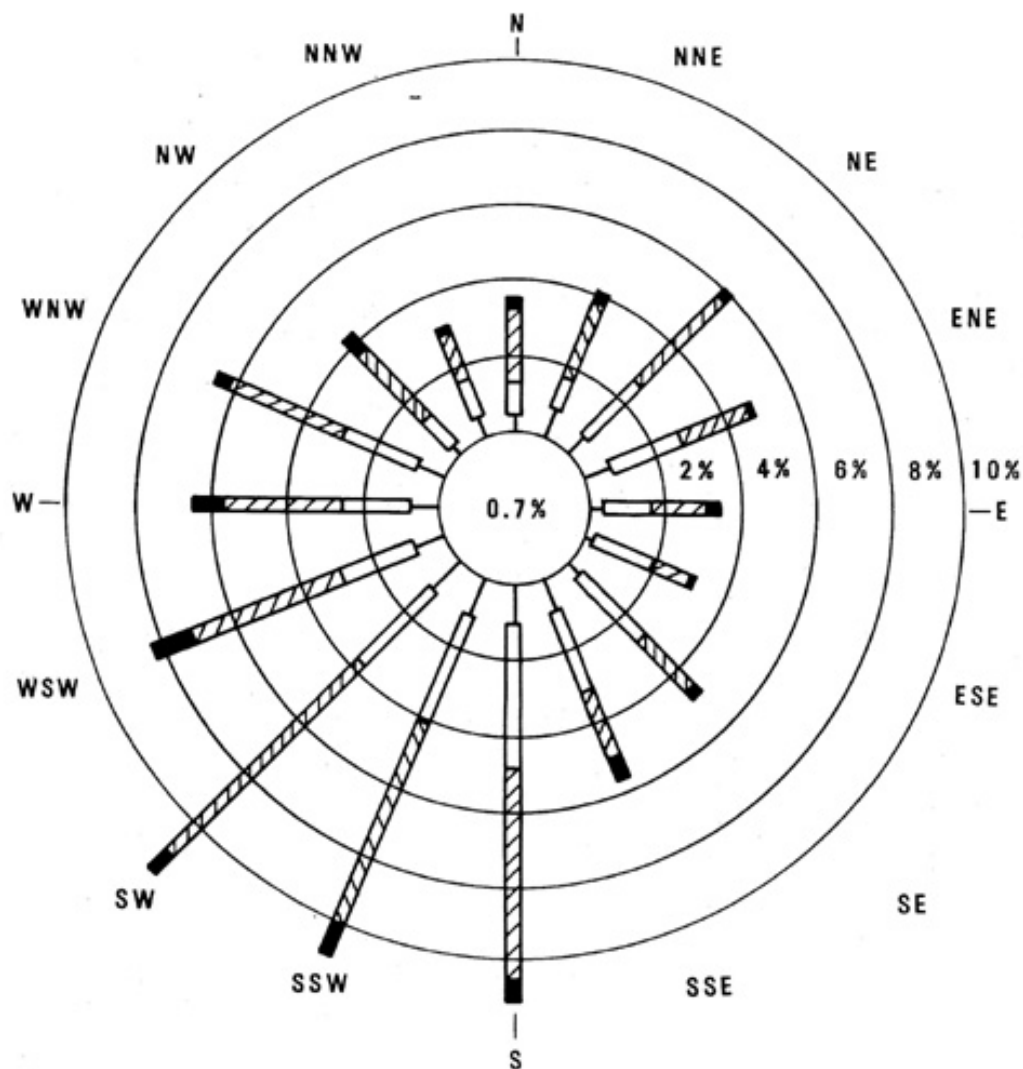
Data Source:  
CPS, 2002

Not to Scale

**Figure 2.3-8**

**Wind Rose, 10-Meter Level,  
Clinton Power Station Site,  
Composite June**

**Period of Record: 4/14/72-4/30/77**

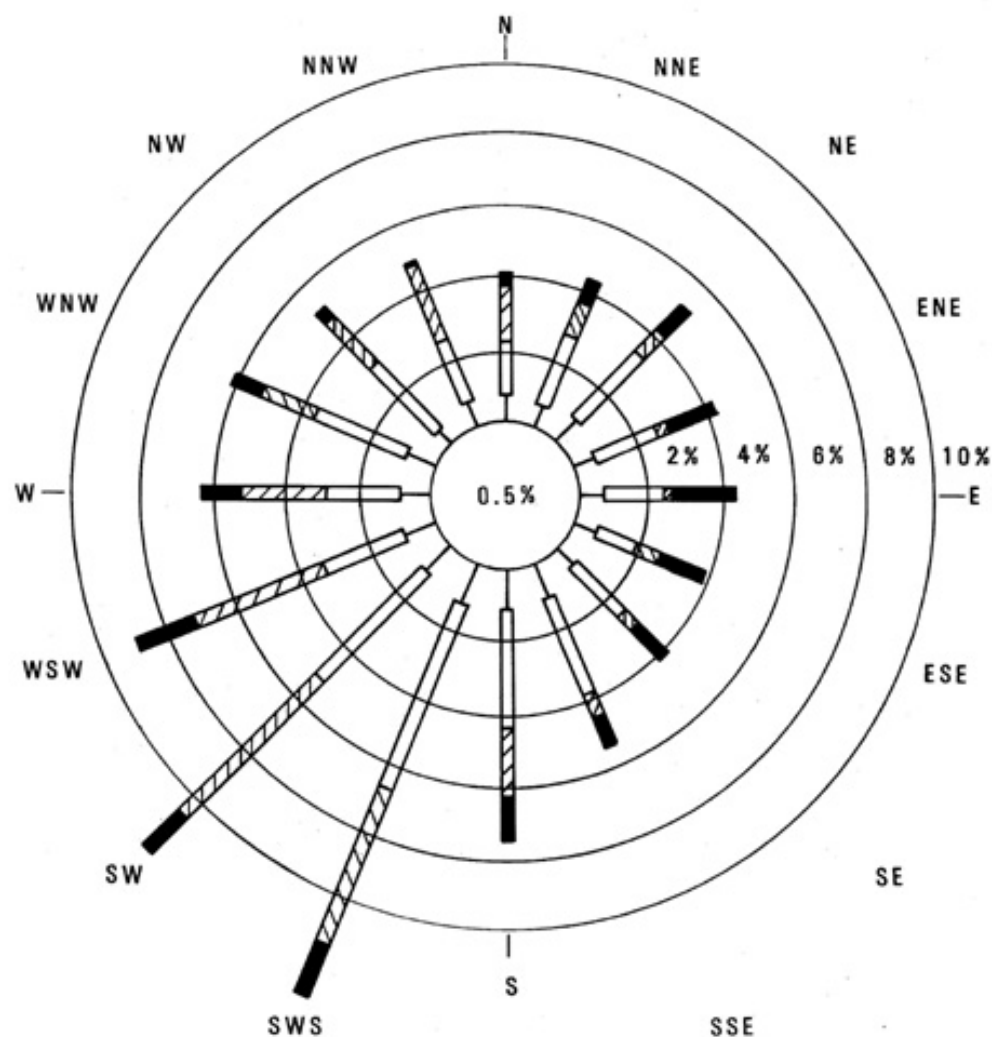


Not to Scale

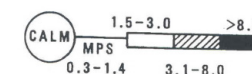
**Figure 2.3-9**

**Wind Rose, 10-Meter Level,  
Clinton Power Station Site,  
Composite July**

**Period of Record: 4/14/72-4/30/77**



**Legend**



Data Source:  
CPS, 2002

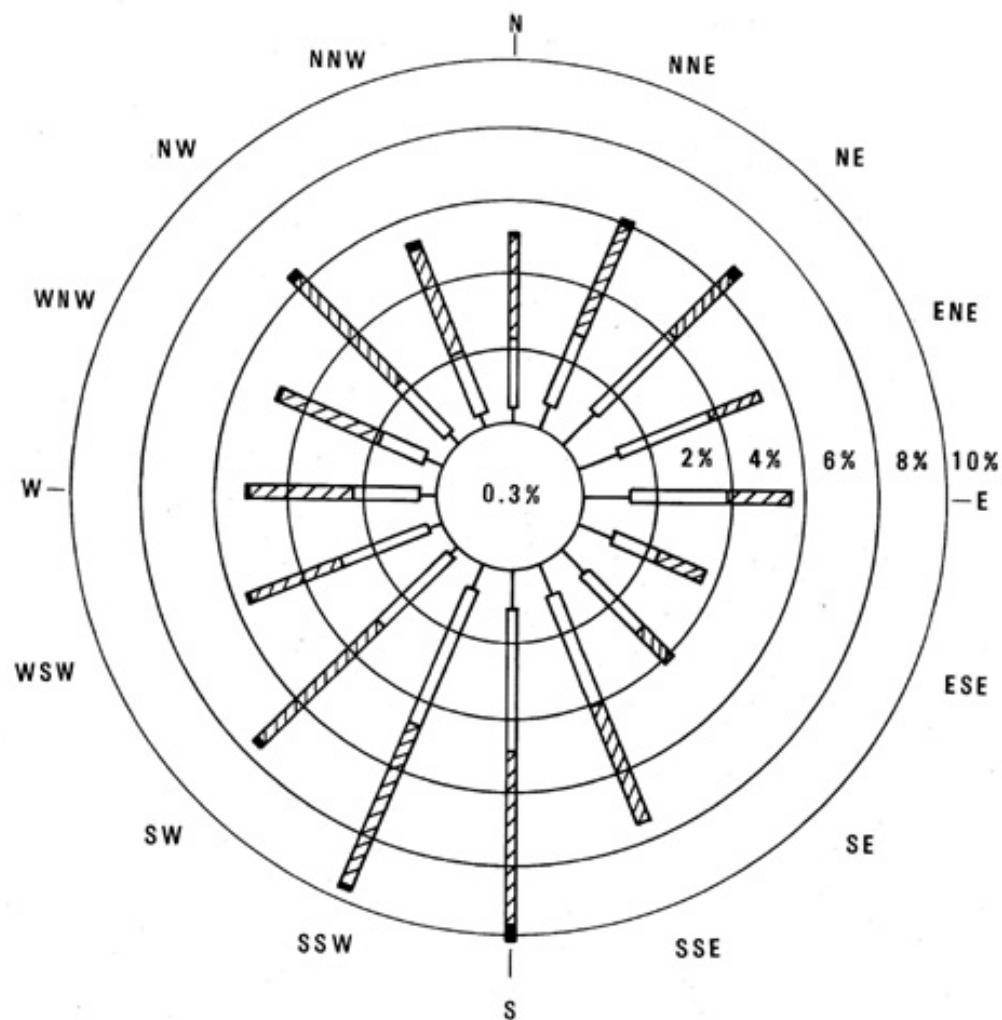
Not to Scale



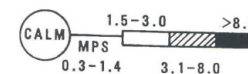
**Figure 2.3-11**

**Wind Rose, 10-Meter Level,  
Clinton Power Station Site,  
Composite September**

**Period of Record: 4/14/72-4/30/77**



**Legend**



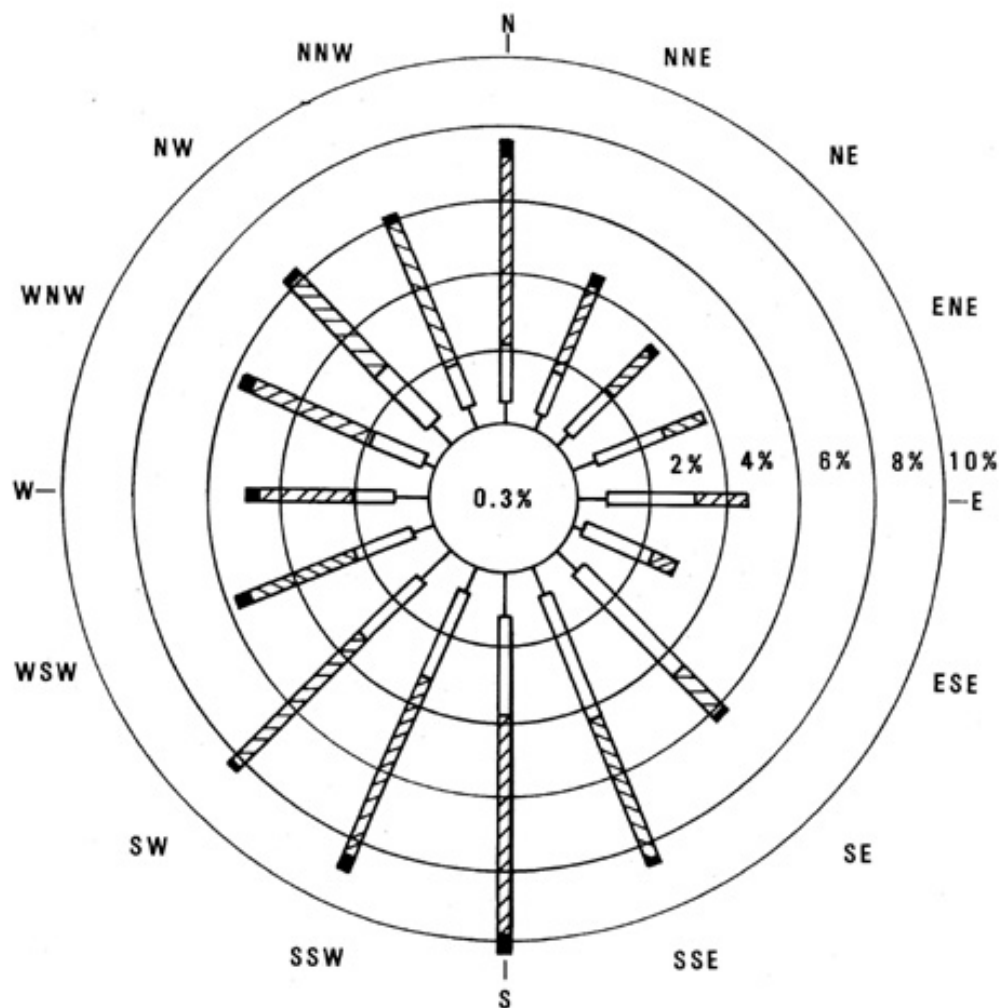
Data Source:  
CPS, 2002

Not to Scale

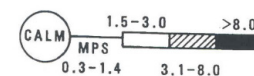
**Figure 2.3-12**

**Wind Rose, 10-Meter Level,  
Clinton Power Station Site,  
Composite October**

**Period of Record: 4/14/72-4/30/77**



**Legend**



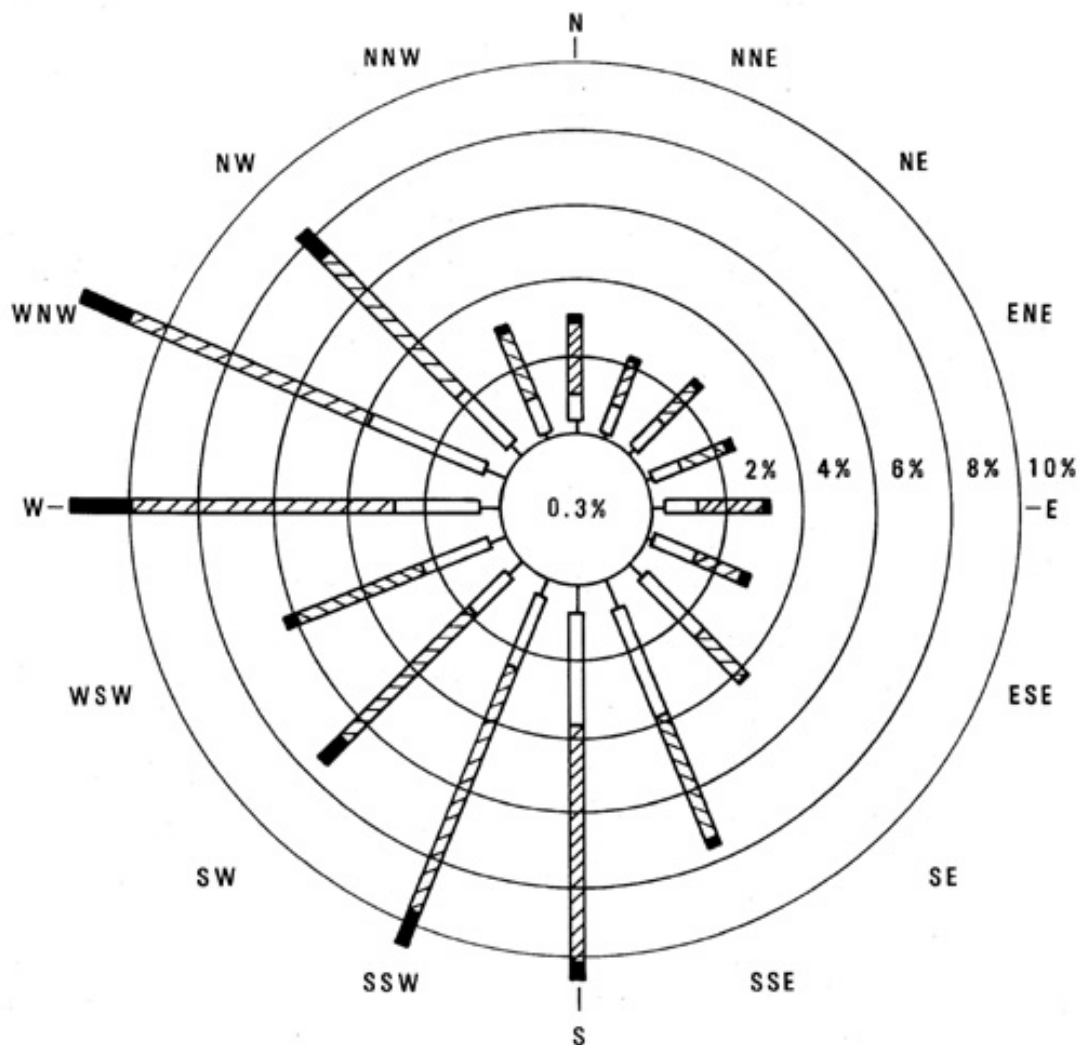
Data Source:  
CPS, 2002

Not to Scale

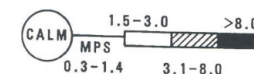
Site Safety Analysis Report for  
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**Figure 2.3-13**

**Wind Rose, 10-Meter Level,  
Clinton Power Station Site,  
Composite November  
Period of Record: 4/14/72-4/30/77**



**Legend**



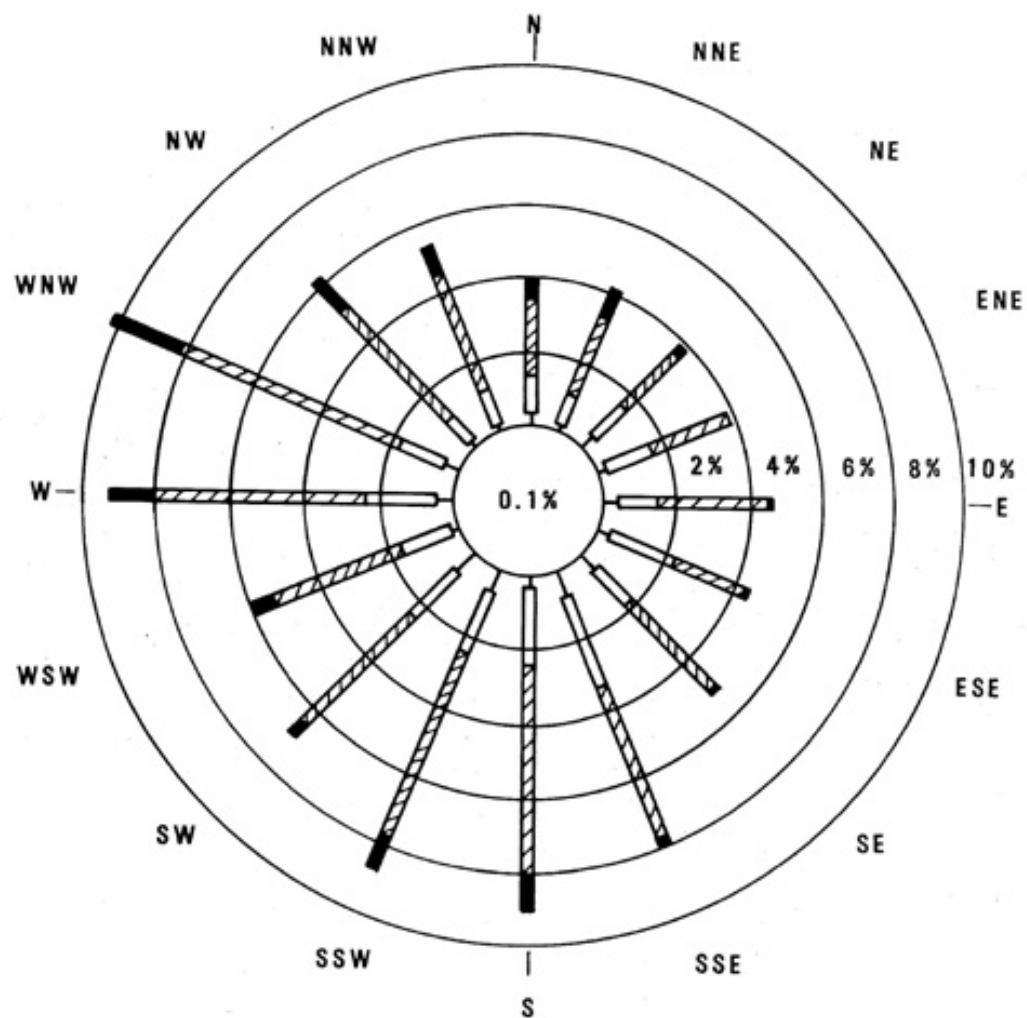
Data Source:  
CPS, 2002

Not to Scale

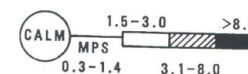
**Figure 2.3-14**

**Wind Rose, 10-Meter Level,  
Clinton Power Station Site,  
Composite December**

**Period of Record: 4/14/72-4/30/77**



**Legend**

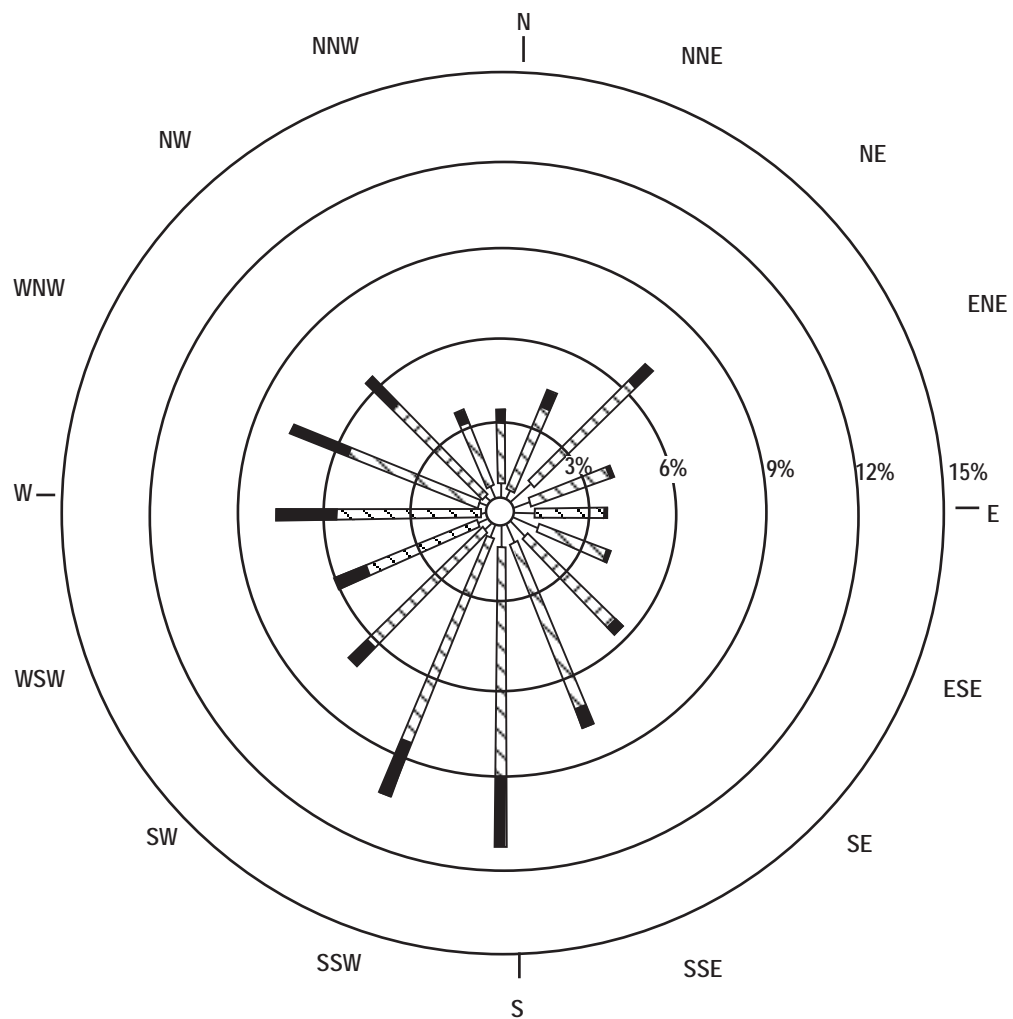


Data Source:  
CPS, 2002

Not to Scale

**Figure 2.3-15**

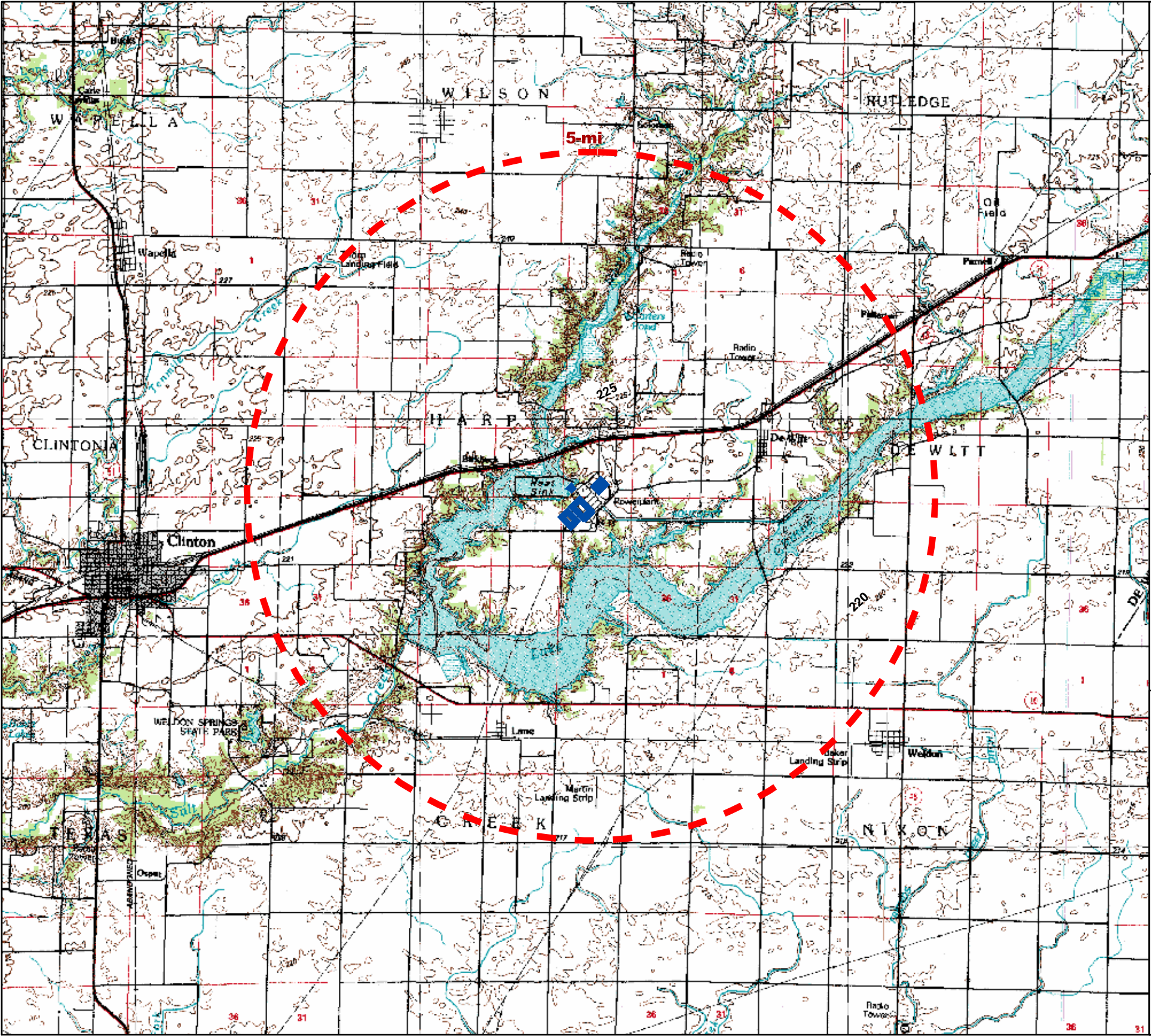
**Wind Rose, 10-Meter Level,  
Clinton Power Station Site,  
Period of Record: 1/1/00-8/31/02**





Not to Scale

Site Safety Analysis Report for  
the EGC Early Site Permit

**Figure 2.3-16**  
**Topographic Map Within**  
**5 mi of the EGC ESP Site**



**Legend**

-  Proposed Areas for EGC ESP Facility Structures
-  Vicinity: 5 mi Around Project Area

Data Sources:  
USGS, 1984 and 1989

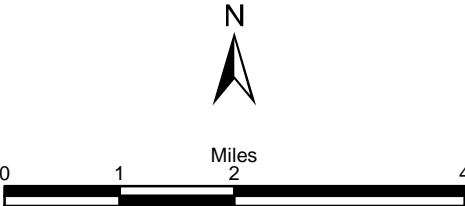


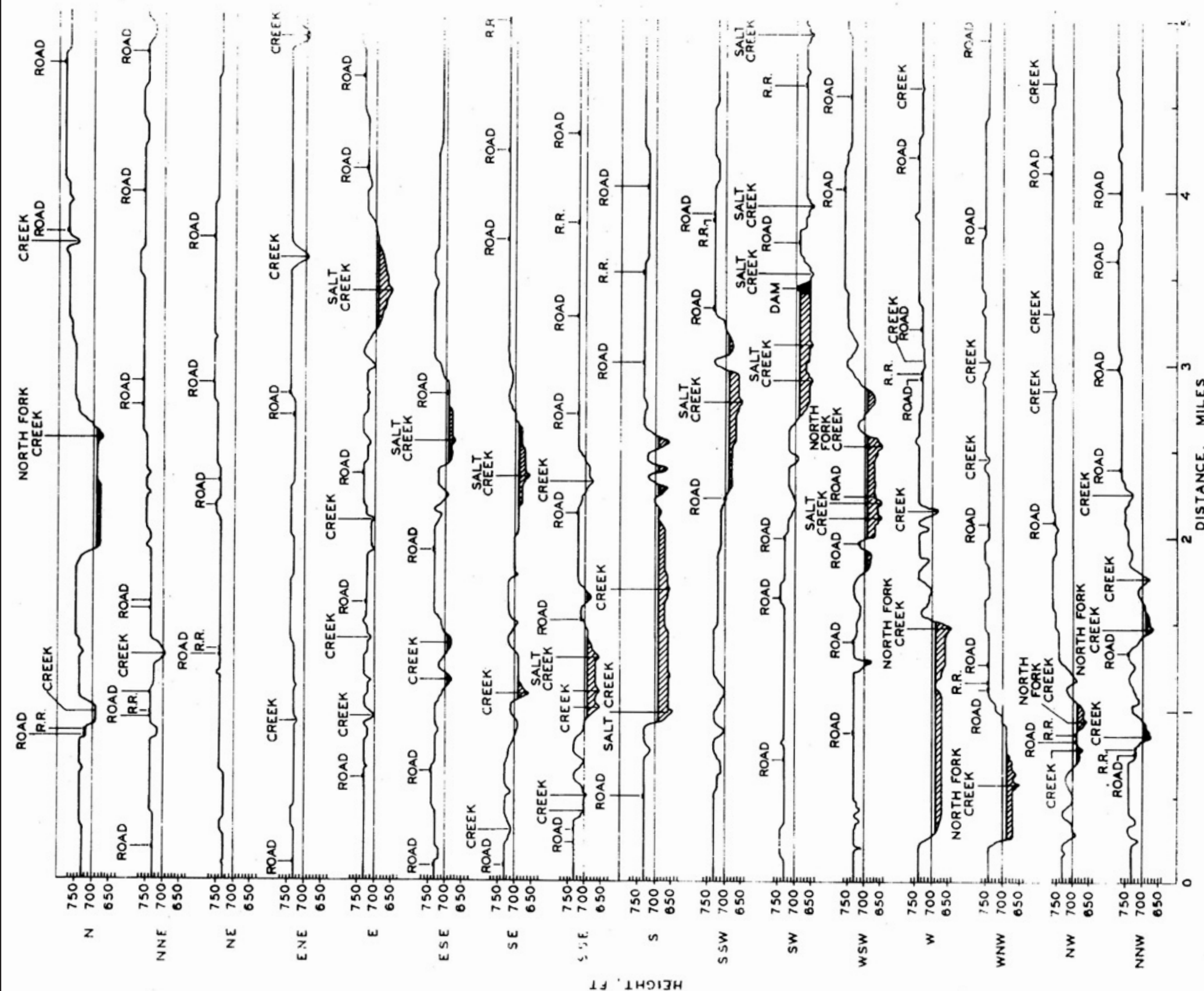
Figure 2.3-17

Topographical Cross Section as a  
Function of the Distance From the  
EGC ESP Site

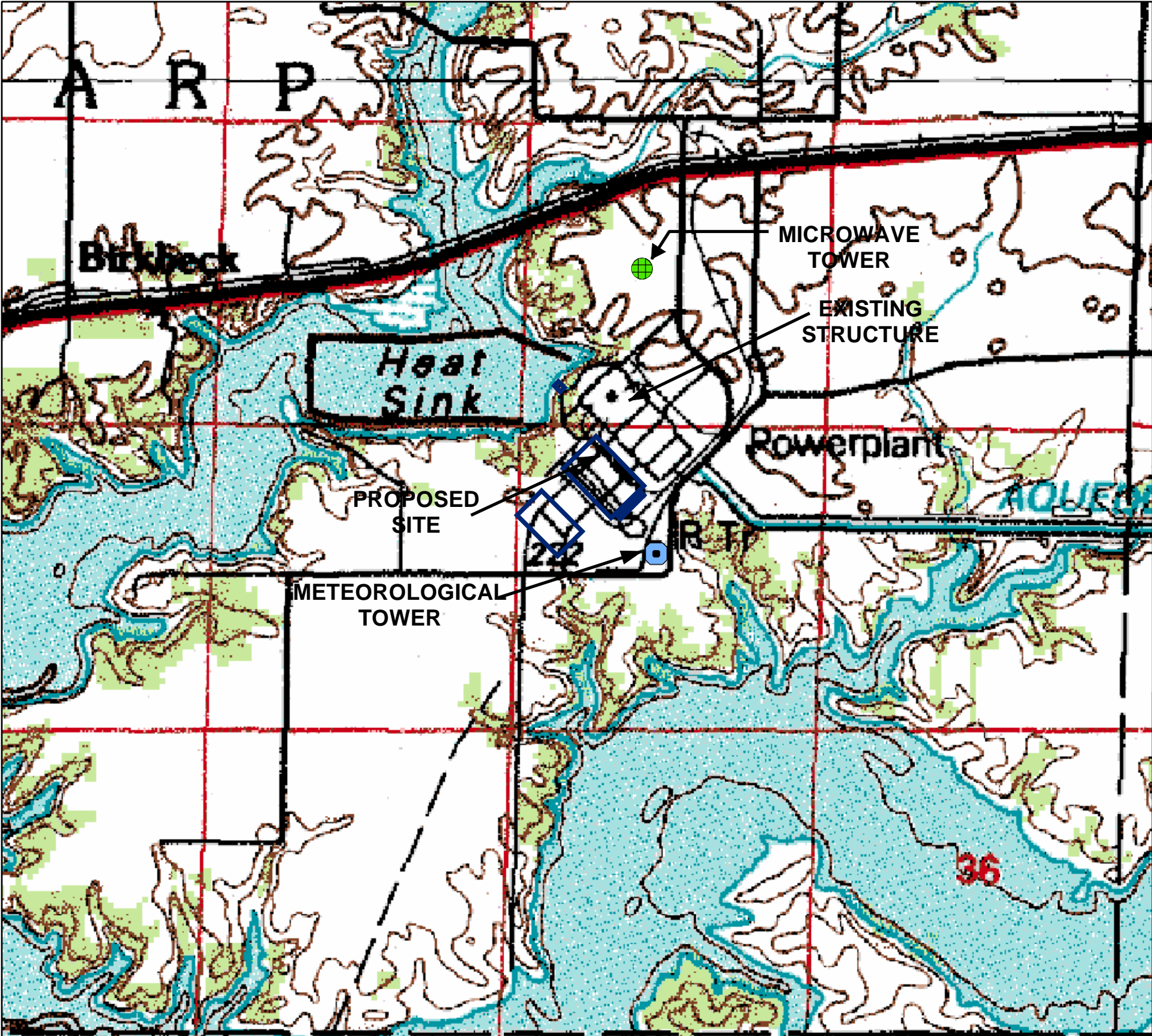
Legend

Data Source:  
CPS, 2002

Not to Scale



**Figure 2.3-18**  
**Topographical Map of the Site Area**  
**Meteorological Tower Location**



**Legend**

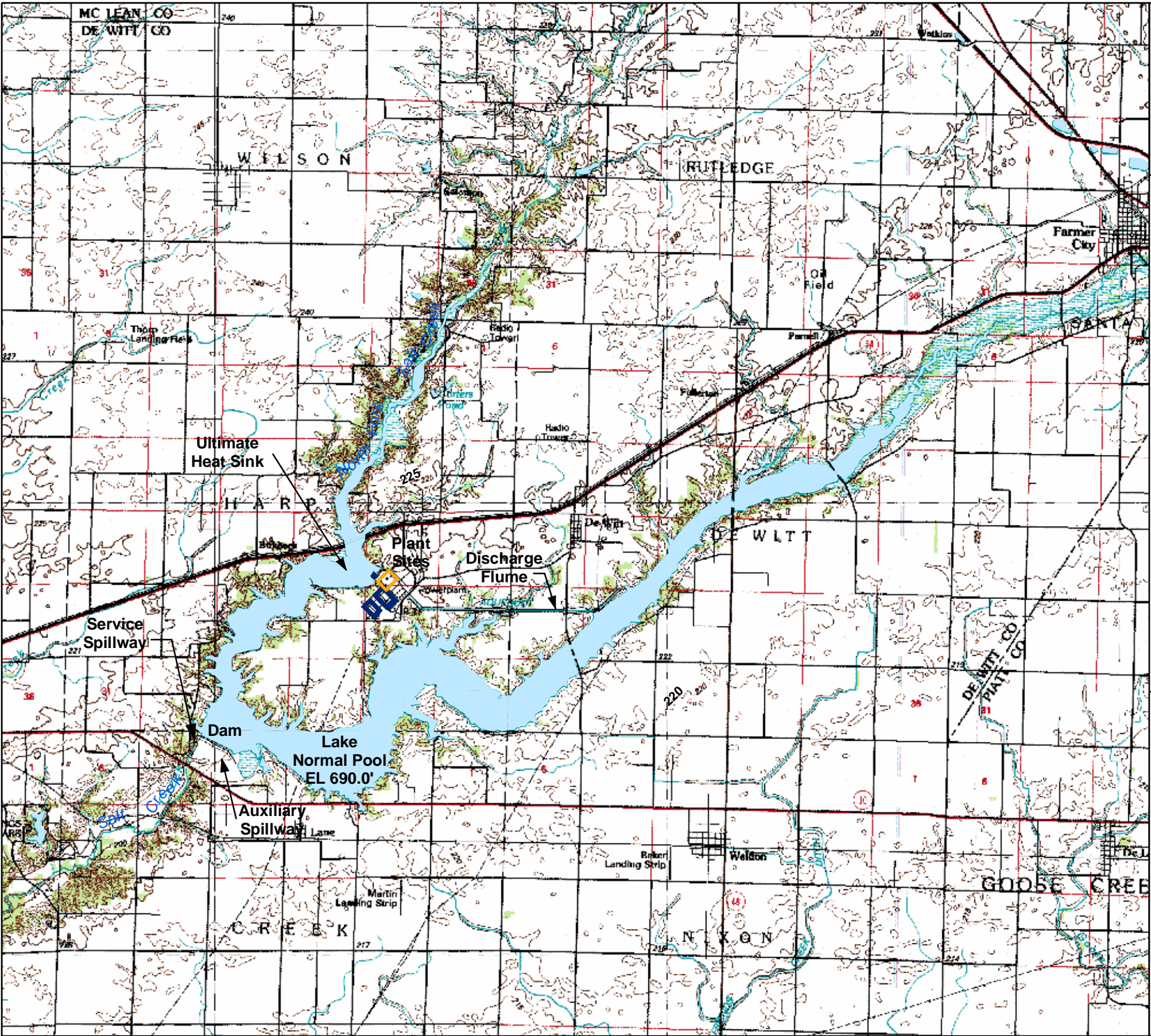
 Proposed Areas for EGC ESP Facility Structures

Data Sources:  
USGS, 1984 and 1989



Site Safety Analysis Report for  
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**Figure 2.4-1**  
**Plant Location**  
**and Clinton Lake Impoundment**



- Legend**
- CPS Facility
  - Proposed Areas for EGC ESP Facility Structures
  - Water: Lakes and Rivers

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

