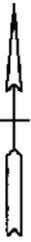
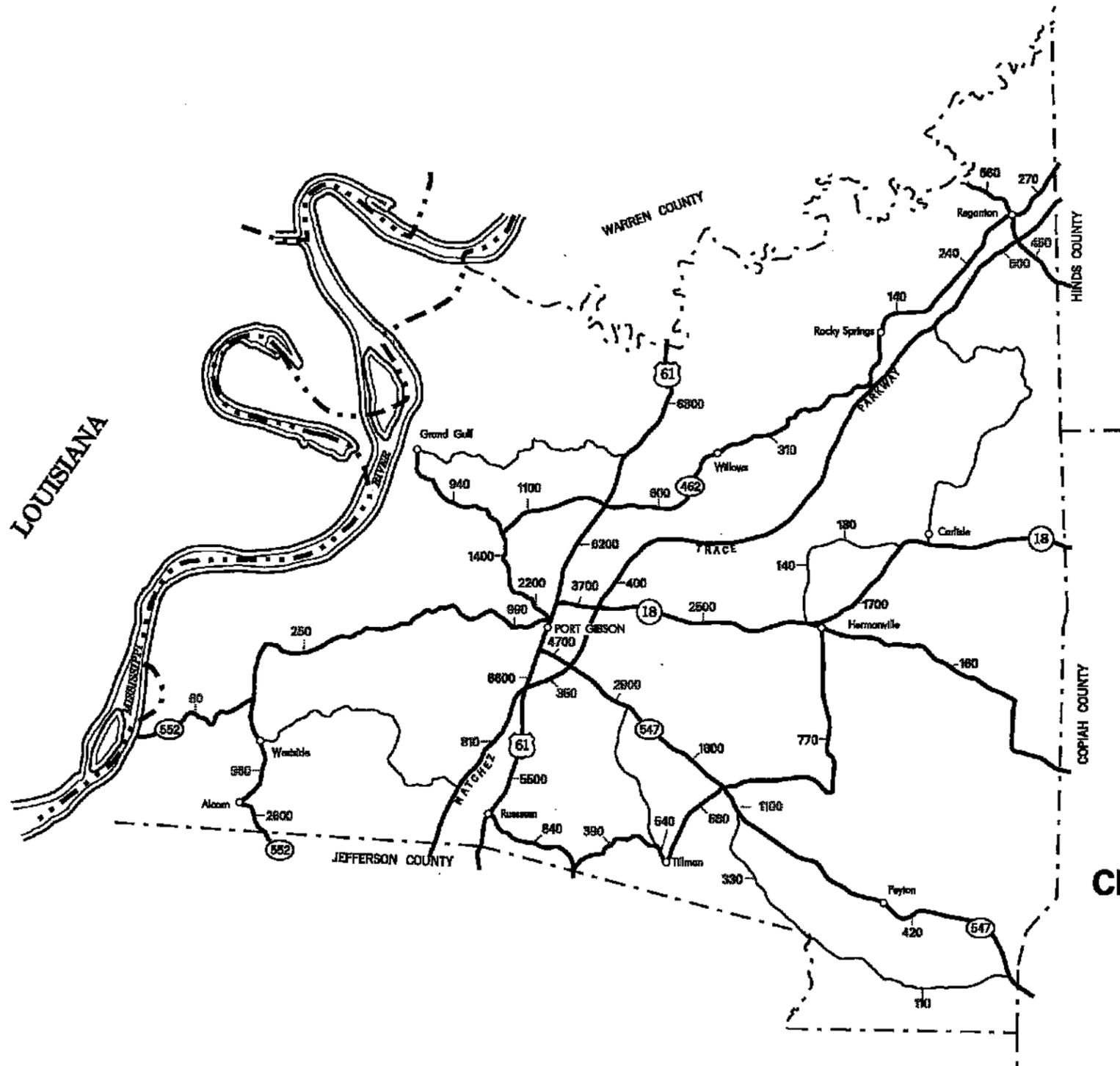


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EARLY SITE PERMIT APPLICATION
ENVIRONMENTAL REPORT

PROJECTED 2002
POPULATION DISTRIBUTION
0 - 10 MILES
(UFSAR FIGURE 2.1-6)

FIGURE 2.5-1

REV. 0

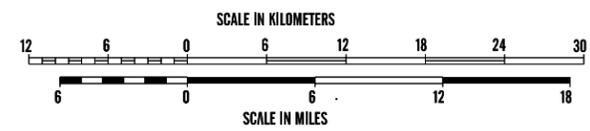
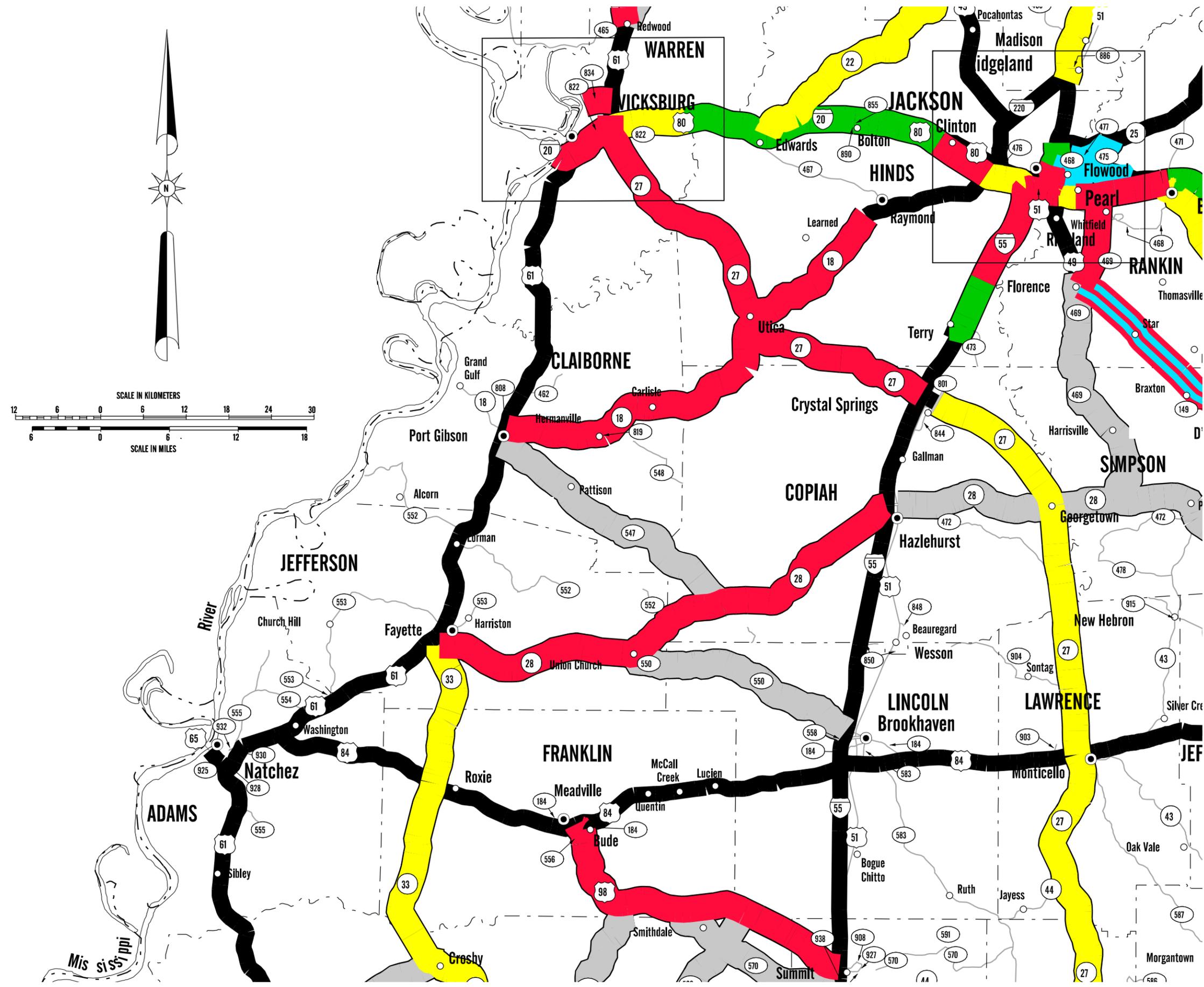


ESTIMATED 2000
AVERAGE DAILY TRAFFIC
CLAIBORNE COUNTY
MISSISSIPPI

PREPARED BY
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
PLANNING DIVISION
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION



<p>SERI GRAND GULF NUCLEAR STATION SITE EARLY SITE PERMIT APPLICATION ENVIRONMENTAL REPORT</p>
<p>ESTIMATED 2000 DAILY TRAFFIC COUNT WITHIN CLAIBORNE COUNTY</p>
<p>FIGURE 2.5-3 REV. 0</p>



LEGEND

- Committed
- Immediate
- Mid-Range
- Long-Range
- Passing Lanes
- Special Funding
- U.S. 49

The Special Funding Category consists of needs that are contingent upon obtaining additional Federal Funding.

U.S. 49
As an Immediate Needs, US 49 will have 100 million of spot improvements along the entire corridor. Special Funding will be required for Interstate Standards

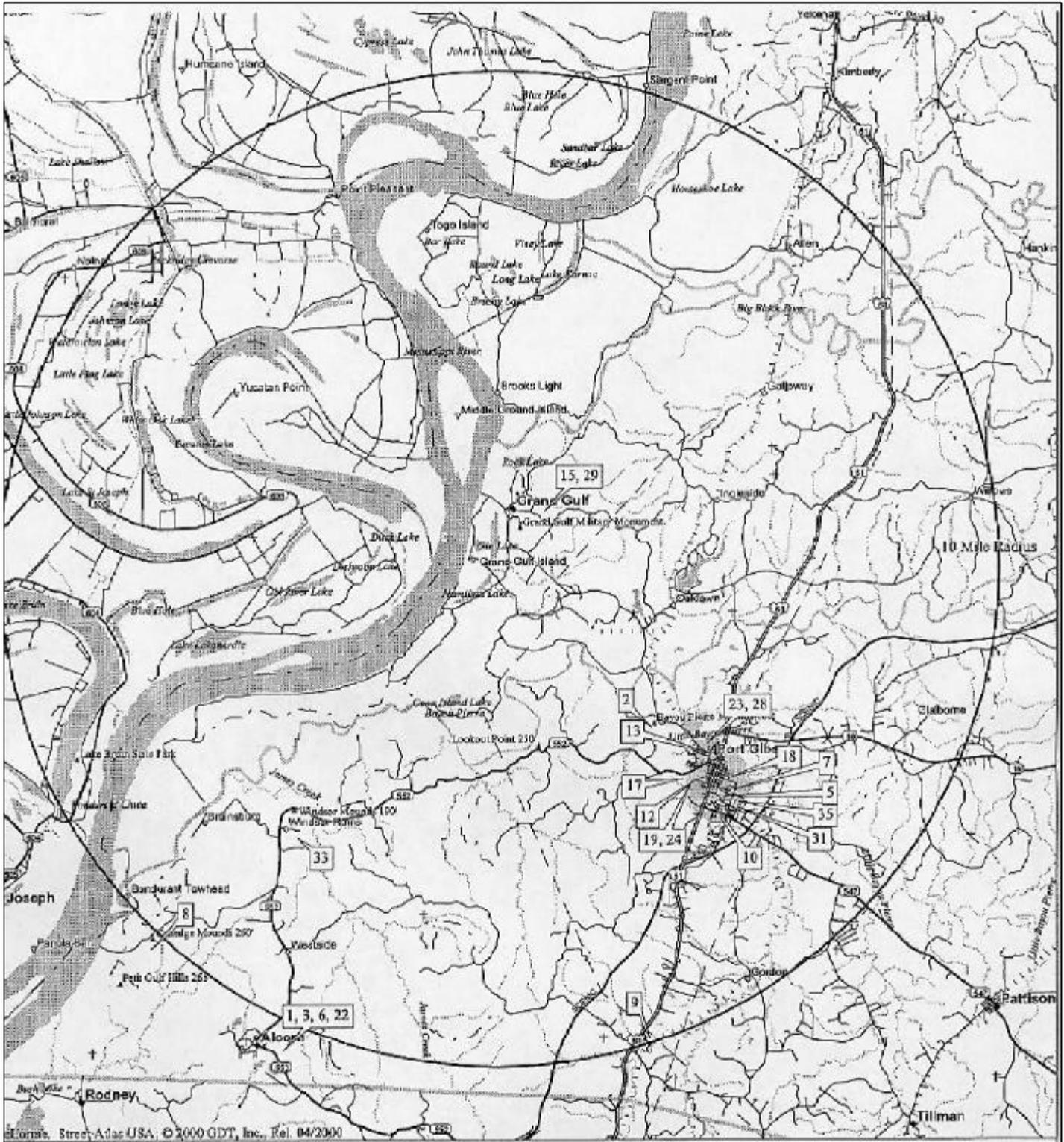
VISION 21

**REGULAR SESSION
2002 LEGISLATURE**

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PLANNING DIVISION
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
TRANSVERSE MERCATOR PROJECTION,
STATE PLANE COORDINATE SYSTEM 1983

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MISSISSIPPI DOT ROADWAY
DEVELOPMENT PRIORITY



Scale 1:175,000 (at center)

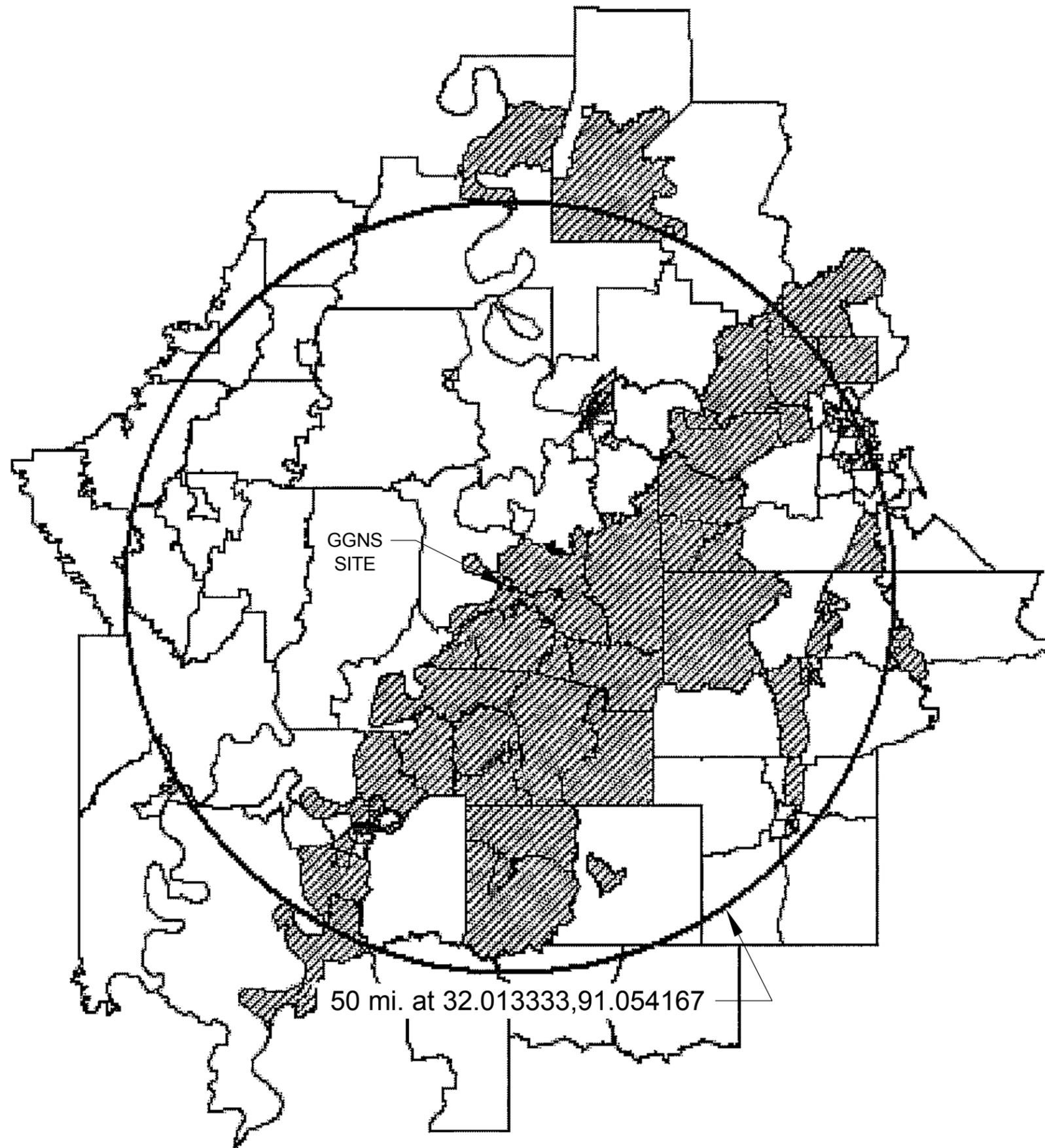
2 Miles

5 KM

- | | |
|-------------------------------|----------------------|
| — Local Road | ◆ Small Town |
| — Major Connector | — Airfield |
| — Interstate/Unlimited Access | ▲ Summit |
| — State Route | ▼ Geographic Feature |
| — Trail | ▲ Park/Reservation |
| — US Highway | ● Locale |
| — Utility/Pipe | ✈ Public Airport |
| ● County Seat | — Railroad Abandoned |

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HISTORIC RESOURCE LOCATIONS
 IN GGNS SITE VICINITY



LEGEND:

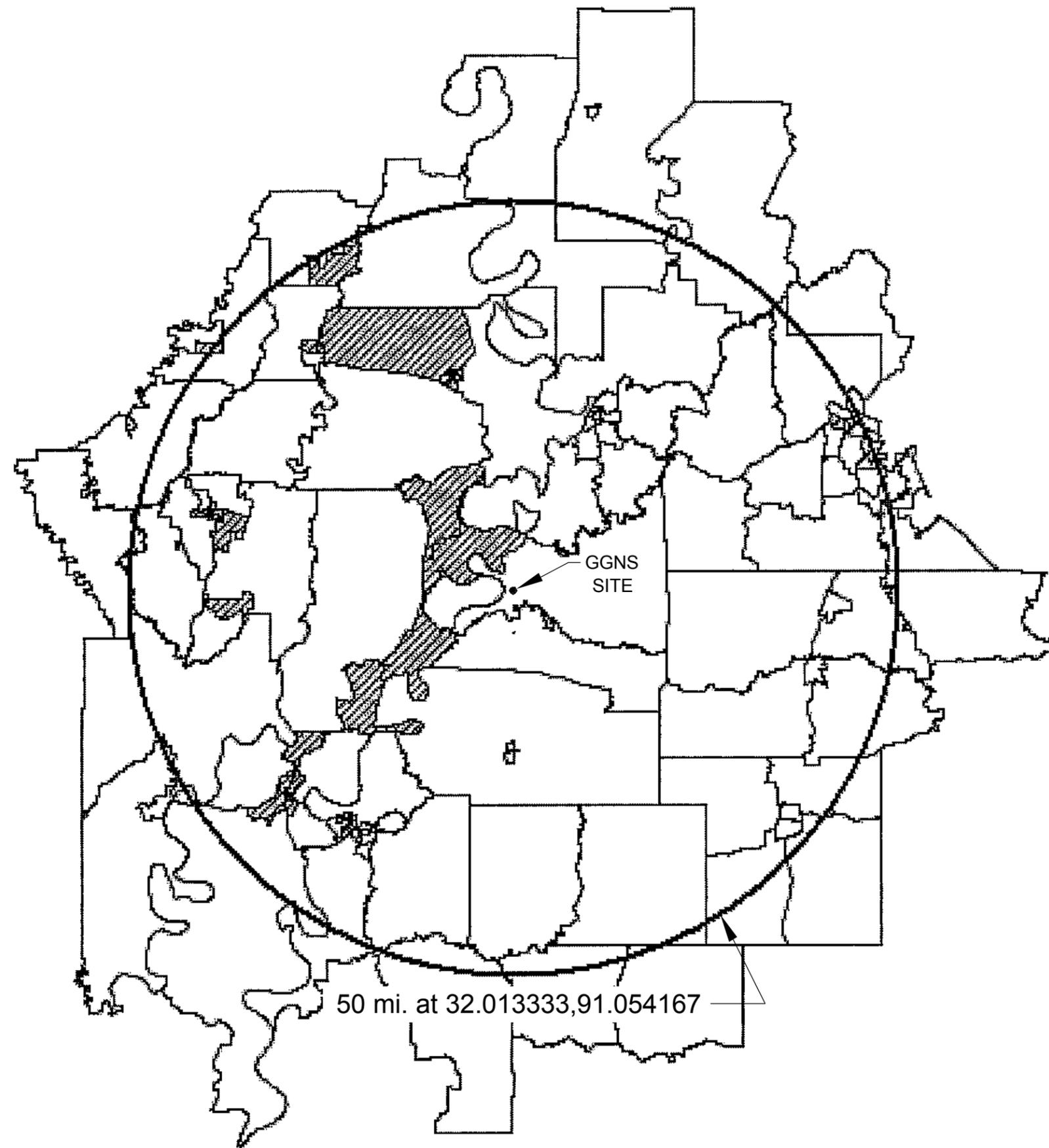
 MINORITY POPULATION >50 % OF TOTAL POPULATION

NOTES:

1. MISSISSIPPI STATE MINORITY POPULATION AVERAGE = 39.6 %.
2. 2000 CENSUS DATA USED.

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MISSISSIPPI
 MINORITY POPULATION MAP
 FOR GGNS SITE REGION



LEGEND:

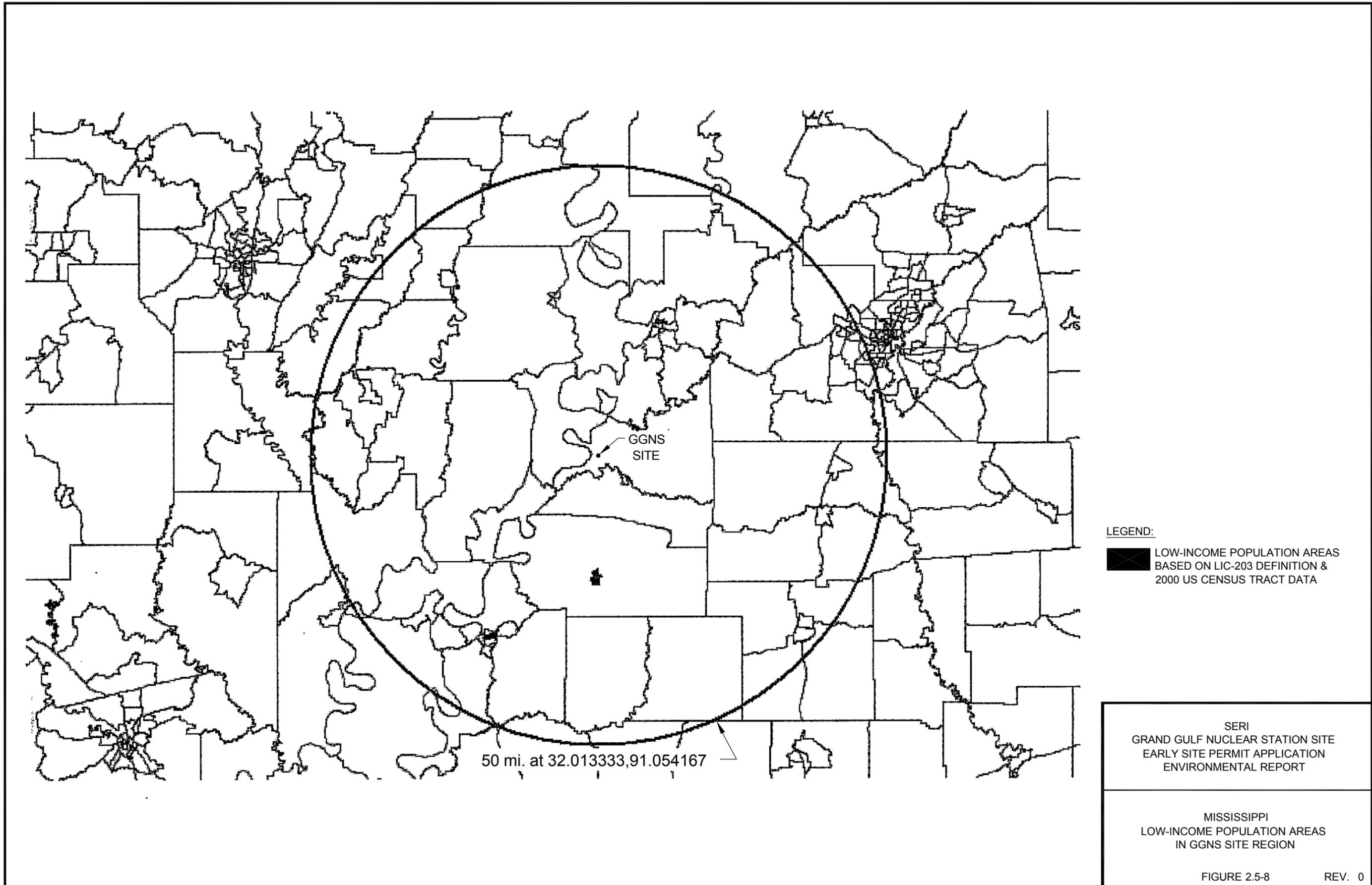
 MINORITY POPULATION >50 % OF TOTAL POPULATION

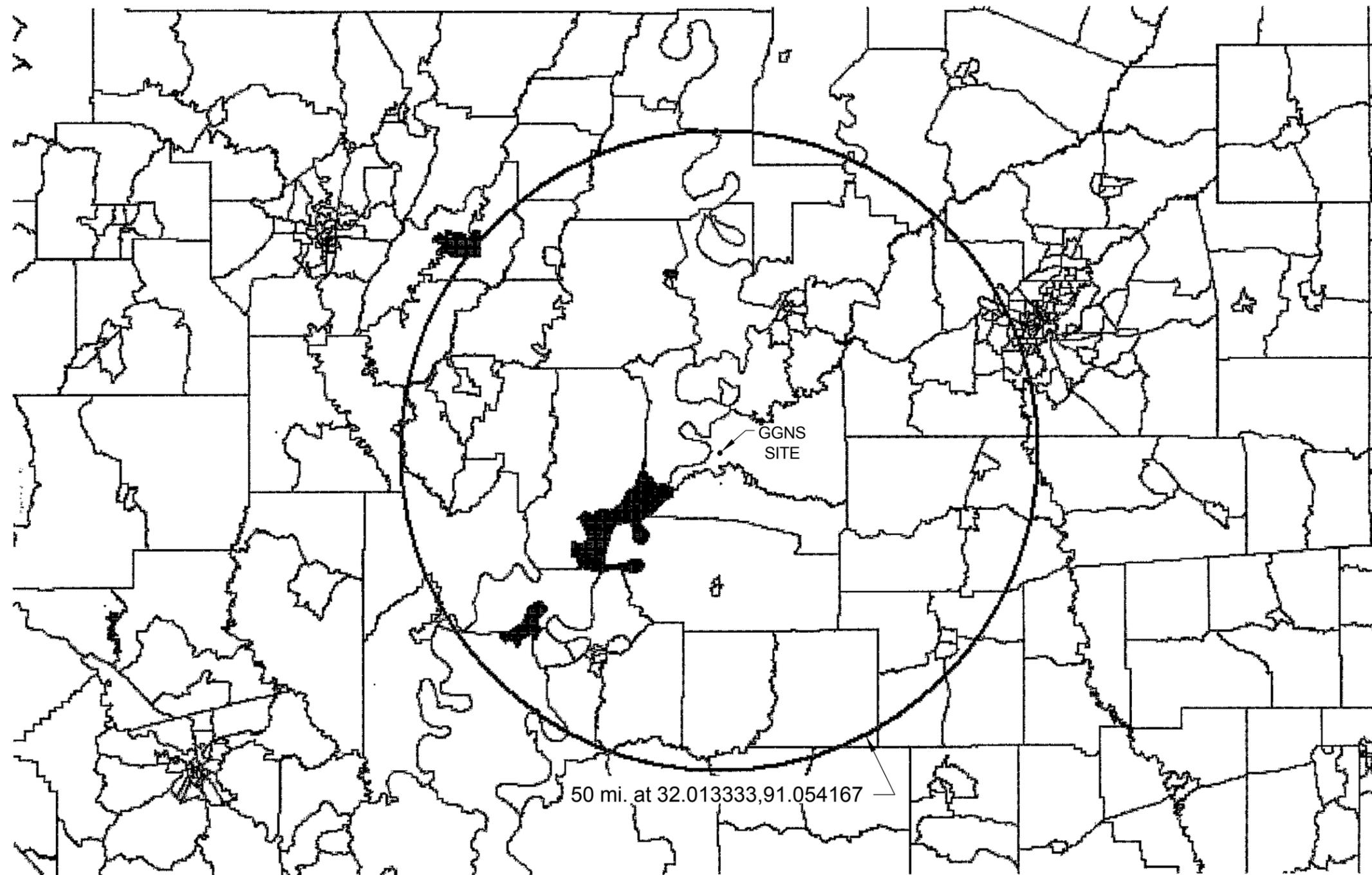
NOTES:

1. LOUISIANA STATE MINORITY POPULATION AVERAGE = 37.1 %.
2. 2000 CENSUS DATA USED.

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LOUISIANA STATE
 MINORITY POPULATION MAP
 FOR GGNS SITE REGION



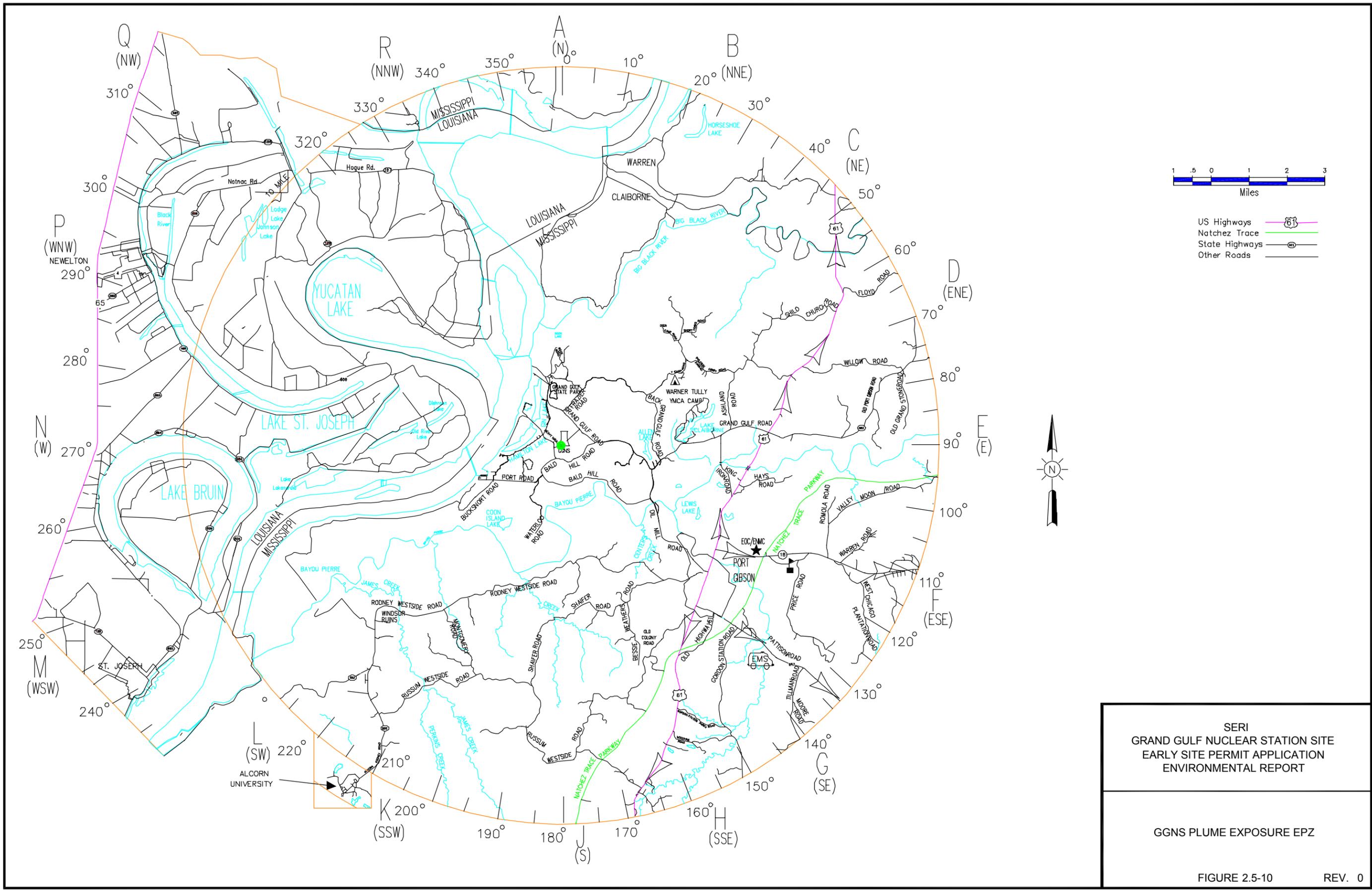


LEGEND:


 LOW-INCOME POPULATION AREAS
 BASED ON LIC-203 DEFINITION &
 2000 US CENSUS TRACT DATA

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LOUISIANA
 LOW-INCOME POPULATION AREAS
 IN GGNS SITE REGION



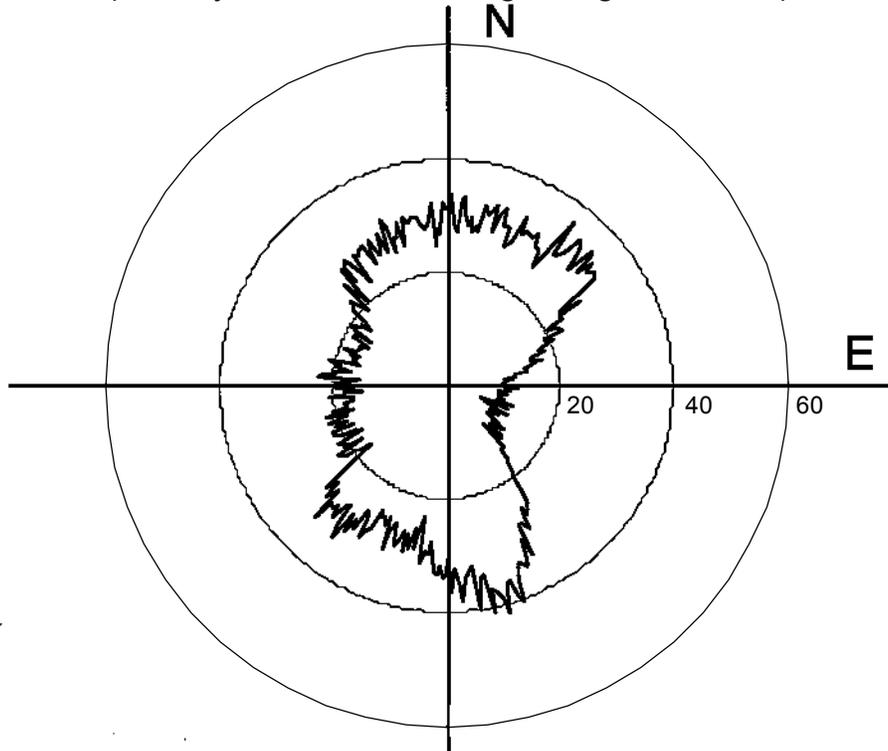
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GGNS PLUME EXPOSURE EPZ

FIGURE 2.5-10 REV. 0

GGNS Site Wind Rose, 1996-2001

(hours/yr wind is from integer degree at 33 ft)



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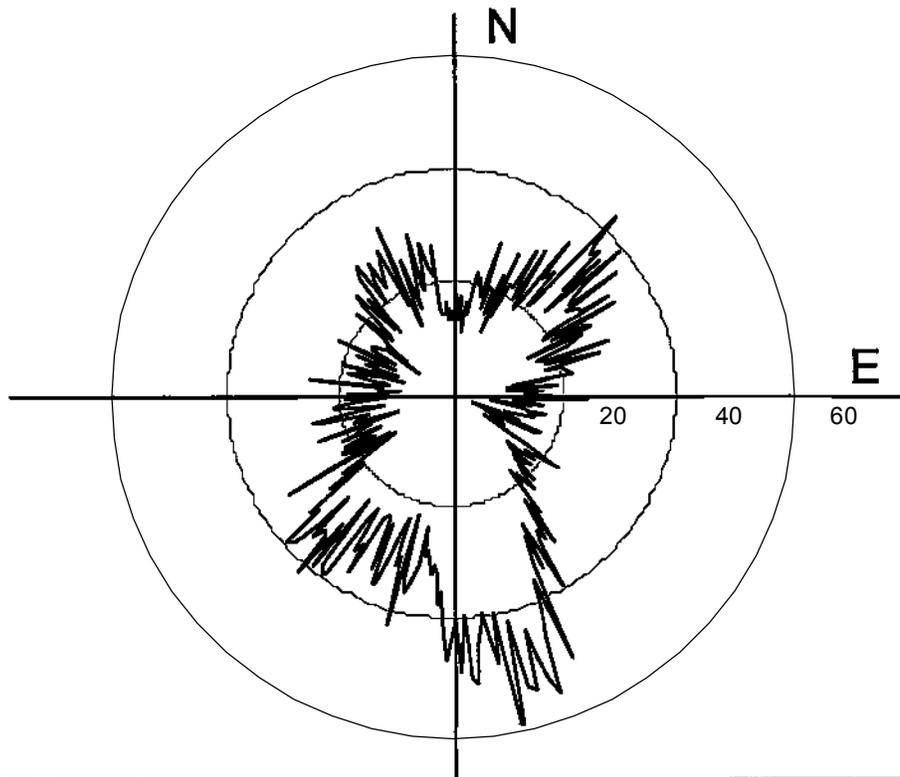
GGNS SITE WIND ROSE,
1996-2001

FIGURE 2.7-1

REV. 0

GGNS Site Wind Rose, 1996

(hours/yr wind is from integer degree at 33 ft)



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EARLY SITE PERMIT APPLICATION
ENVIRONMENTAL REPORT

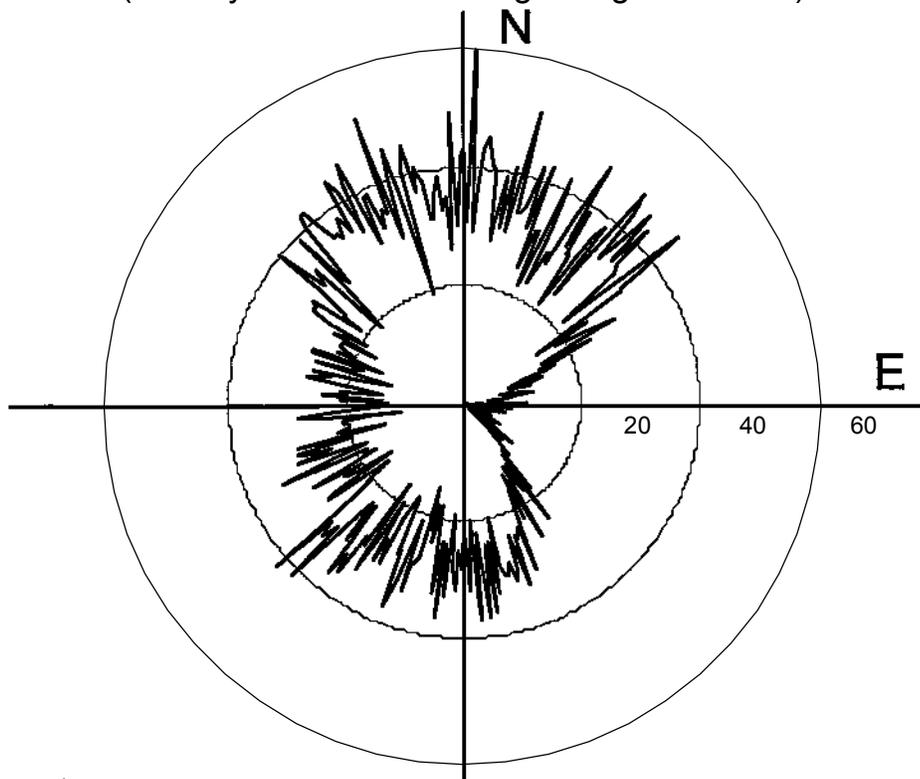
GGNS SITE WIND ROSE,
1996

FIGURE 2.7-2

REV. 0

GGNS Site Wind Rose, 1997

(hours/yr wind is from integer degree at 33 ft)



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EARLY SITE PERMIT APPLICATION
ENVIRONMENTAL REPORT

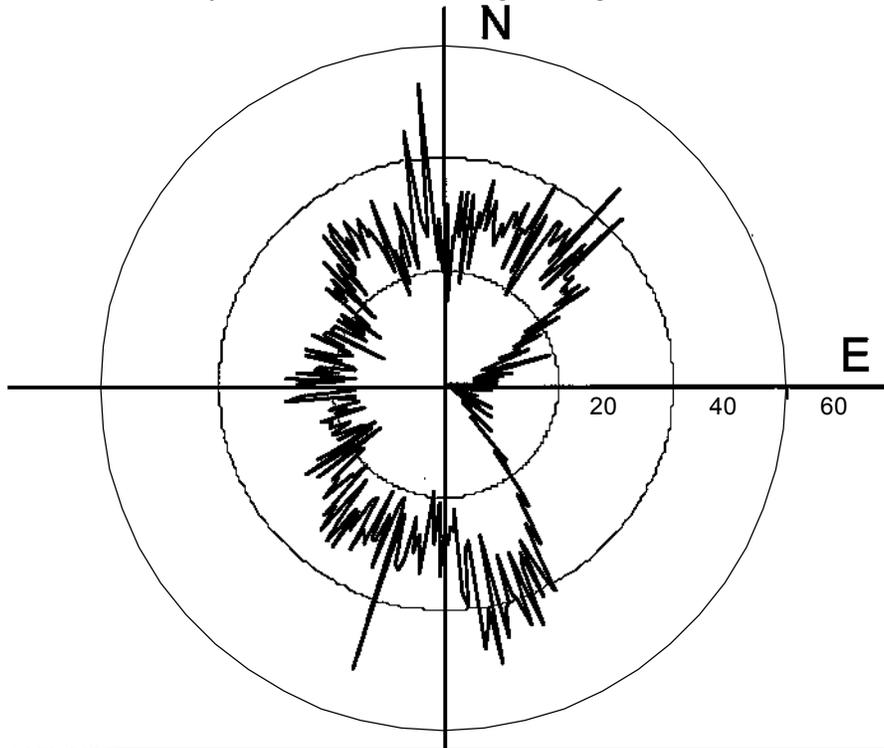
GGNS SITE WIND ROSE,
1997

FIGURE 2.7-3

REV. 0

GGNS Site Wind Rose, 1998

(hours/yr wind is from integer degree at 33 ft)



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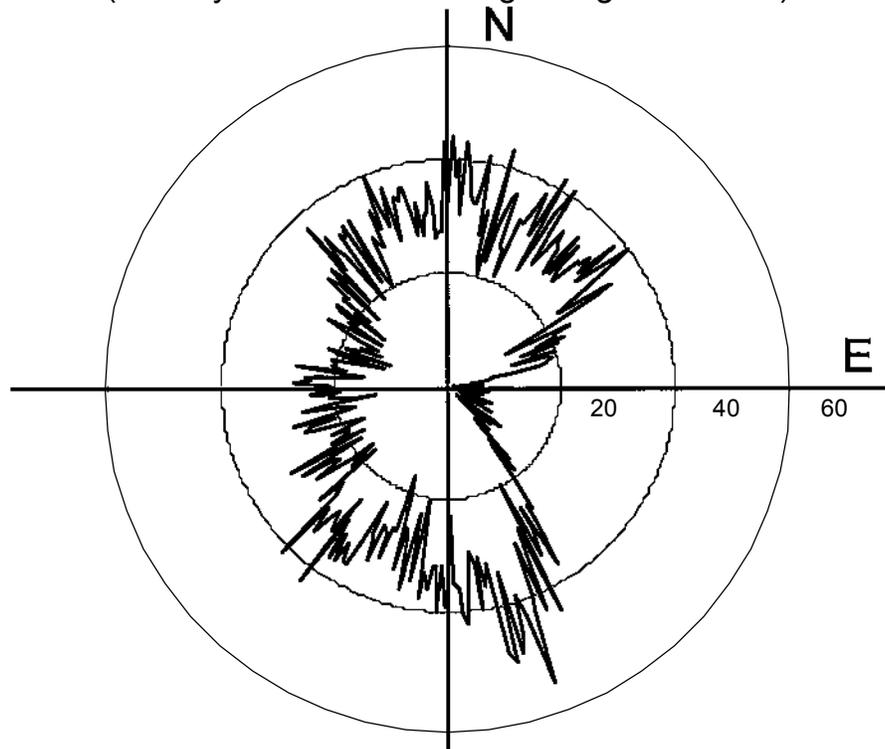
GGNS SITE WIND ROSE,
1998

FIGURE 2.7-4

REV. 0

GGNS Site Wind Rose, 1999

(hours/yr wind is from integer degree at 33 ft)



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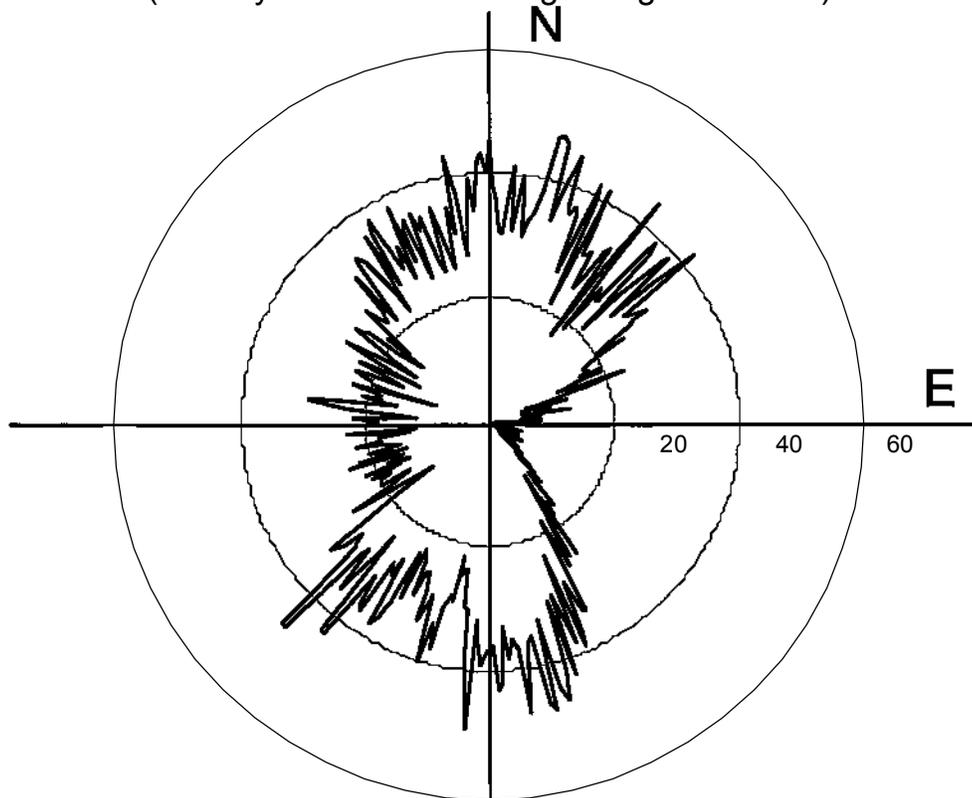
GGNS SITE WIND ROSE,
1999

FIGURE 2.7-5

REV. 0

GGNS Site Wind Rose, 2000

(hours/yr wind is from integer degree at 33 ft)



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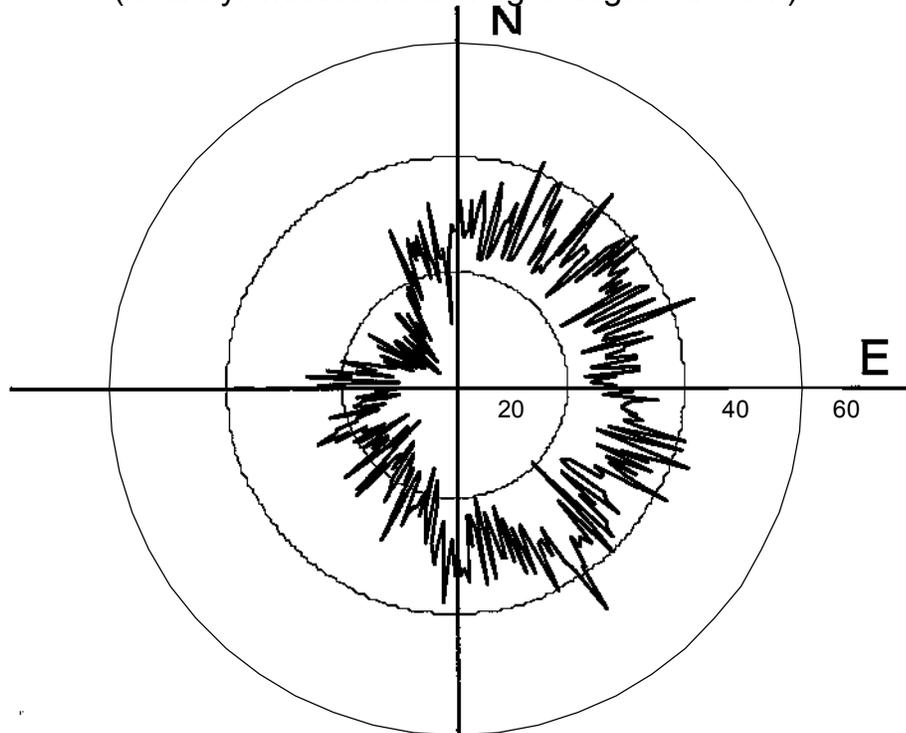
GGNS SITE WIND ROSE,
2000

FIGURE 2.7-6

REV. 0

GGNS Site Wind Rose, 2001

(hours/yr wind is from integer degree at 33 ft)



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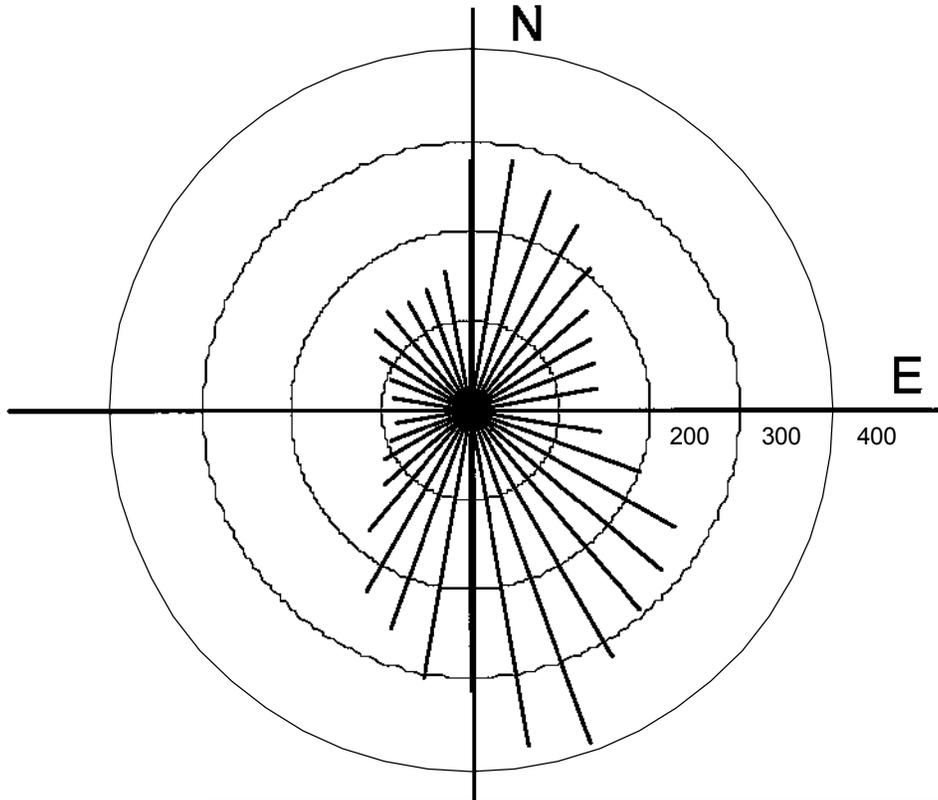
GGNS SITE WIND ROSE,
2001

FIGURE 2.7-7

REV. 0

Vicksburg Wind Rose, 1997-2001

(hours/yr wind is from nearest 10 degrees)



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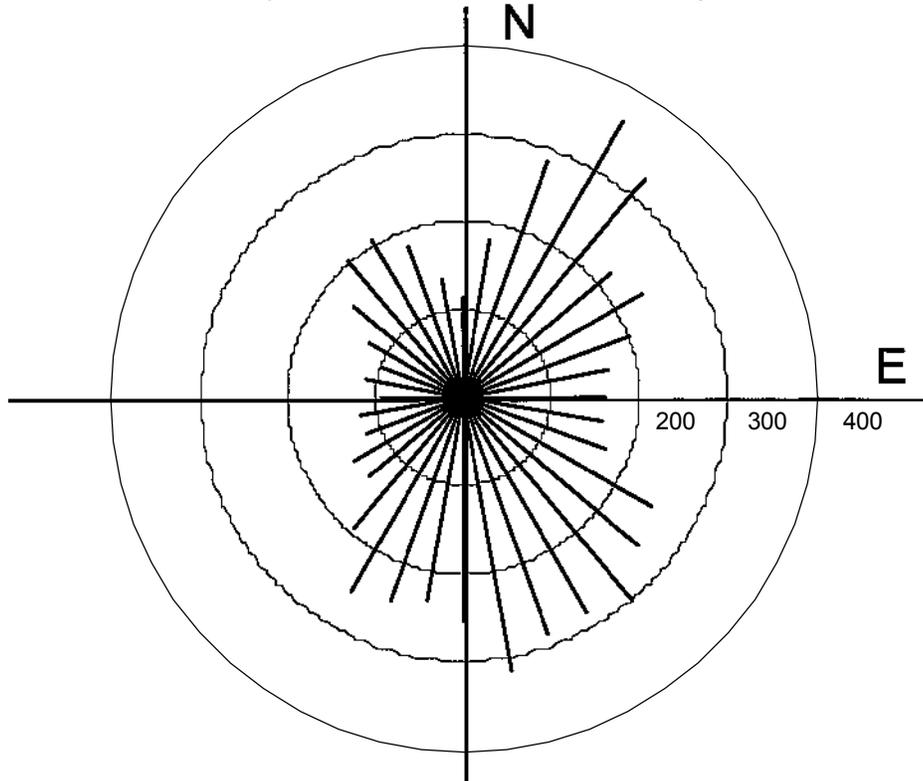
VICKSBURG WIND ROSE,
1997-2001

FIGURE 2.7-8

REV. 0

Vicksburg Wind Rose, 1997

(hours/yr wind is from nearest 10 degrees)



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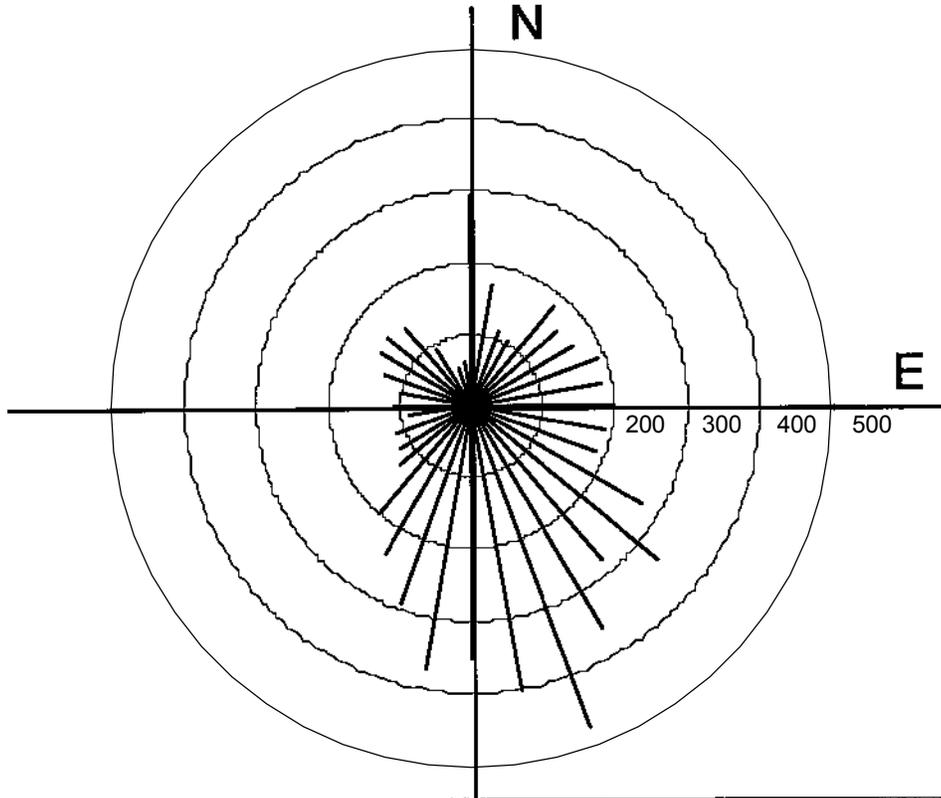
VICKSBURG WIND ROSE,
1997

FIGURE 2.7-9

REV. 0

Vicksburg Wind Rose, 1998

(hours/yr wind is from nearest 10 degrees)



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EARLY SITE PERMIT APPLICATION
ENVIRONMENTAL REPORT

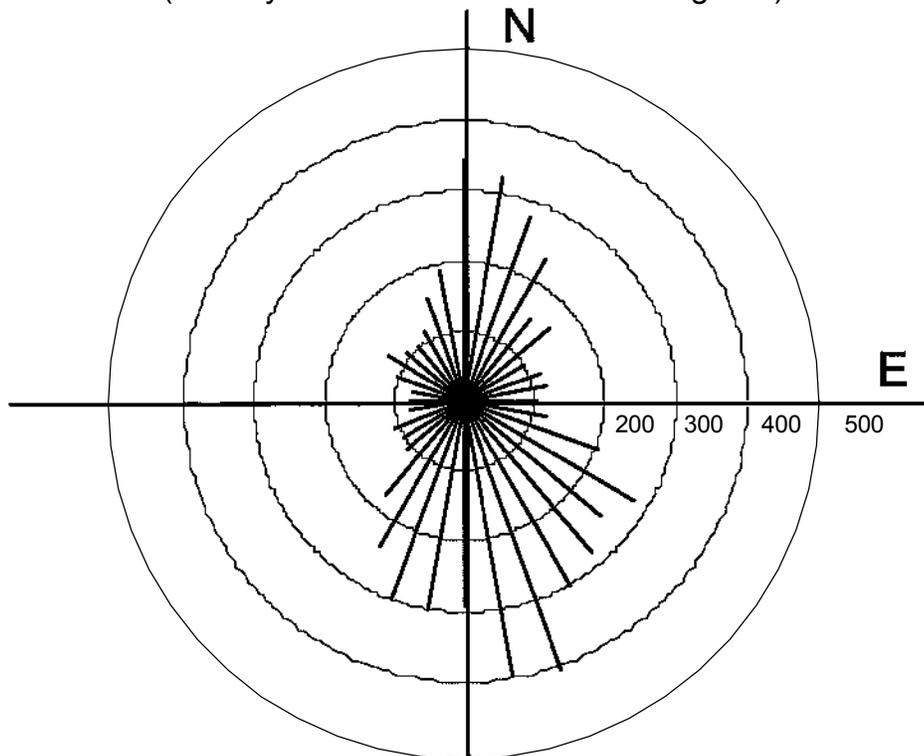
VICKSBURG WIND ROSE,
1998

FIGURE 2.7-10

REV. 0

Vicksburg Wind Rose, 1999

(hours/yr wind is from nearest 10 degrees)

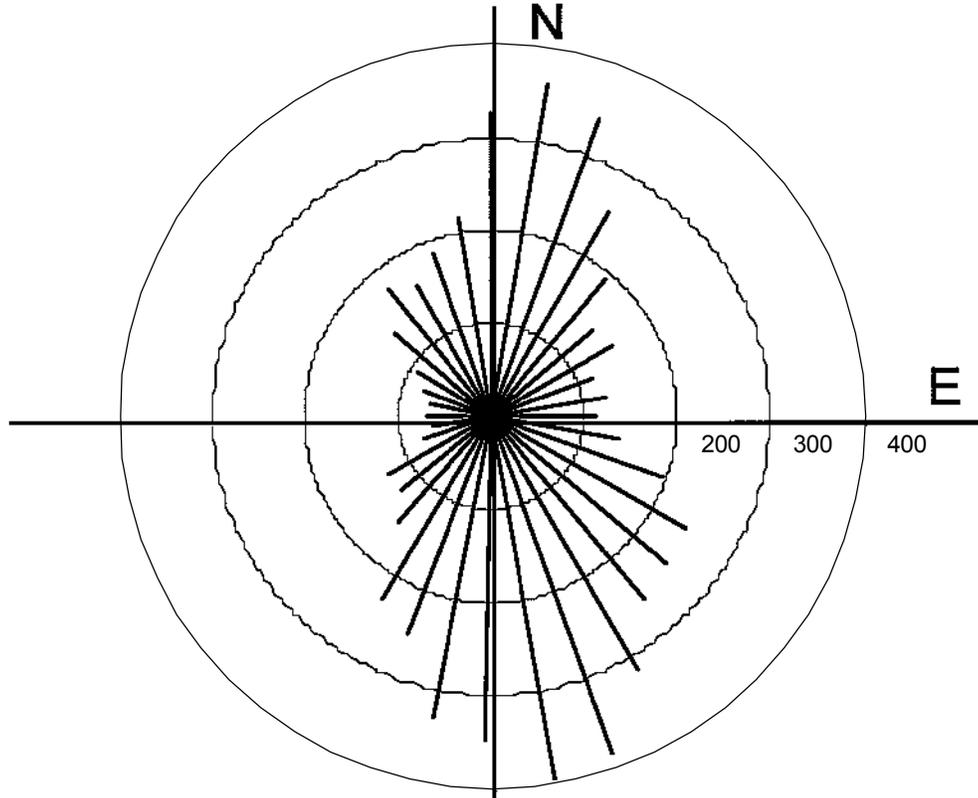


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VICKSBURG WIND ROSE,
1999

Vicksburg Wind Rose, 2000

(hours/yr wind is from nearest 10 degrees)

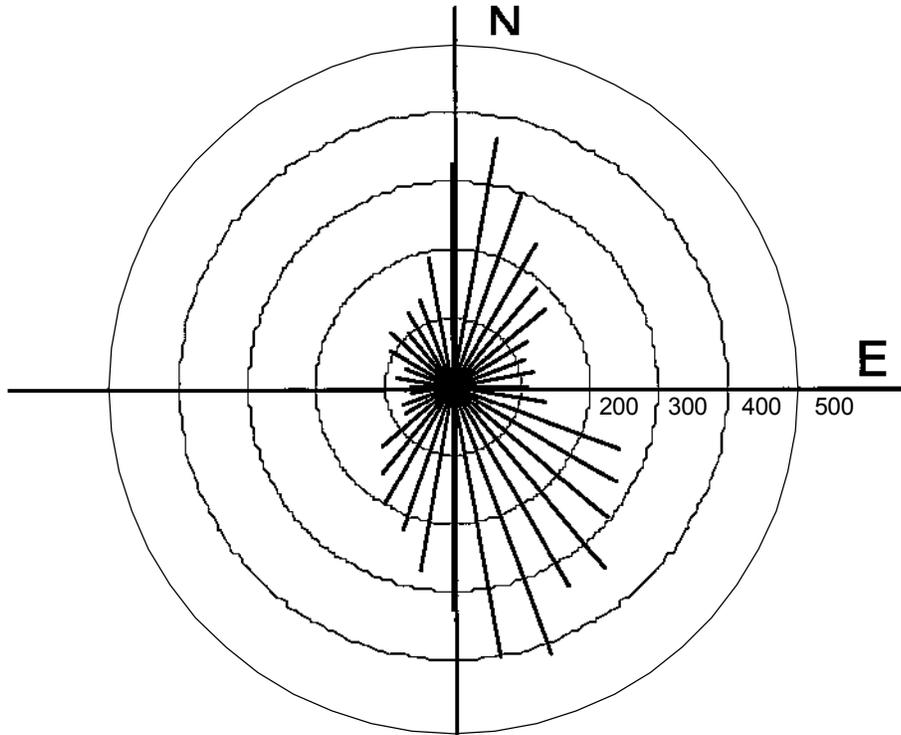


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VICKSBURG WIND ROSE,
2000

Vicksburg Wind Rose, 2001

(hours/yr wind is from nearest 10 degrees)



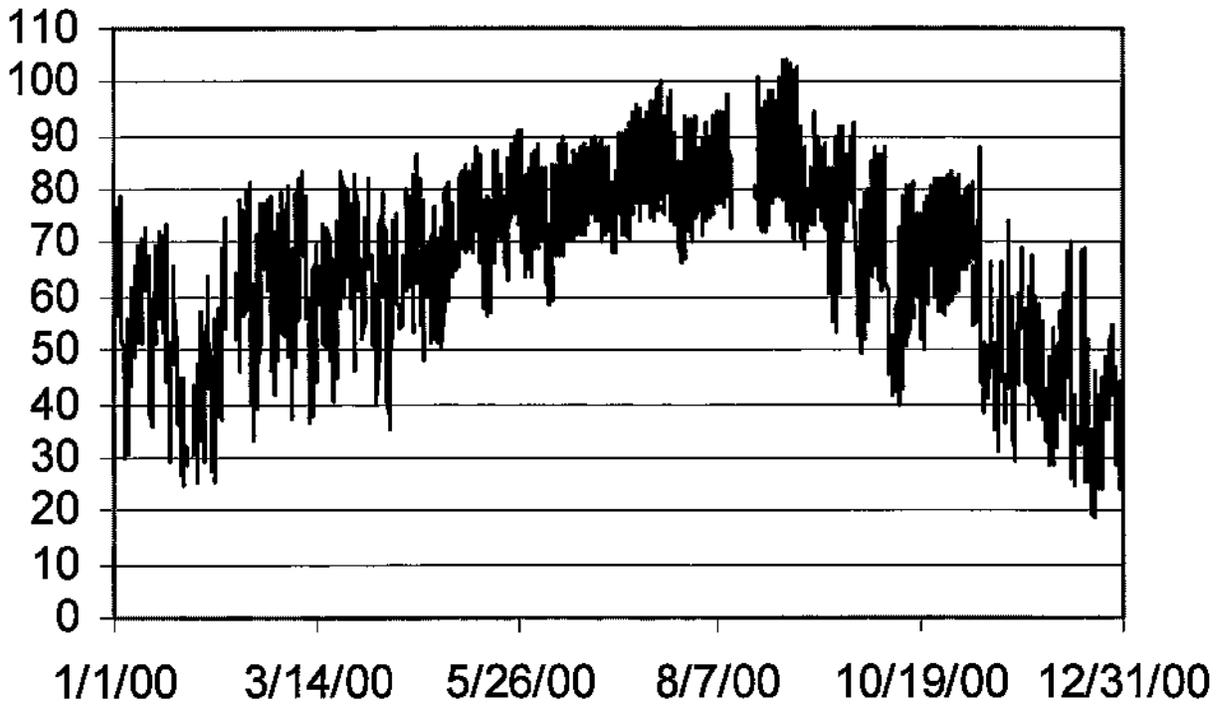
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VICKSBURG WIND ROSE,
2001

FIGURE 2.7-13

REV. 0

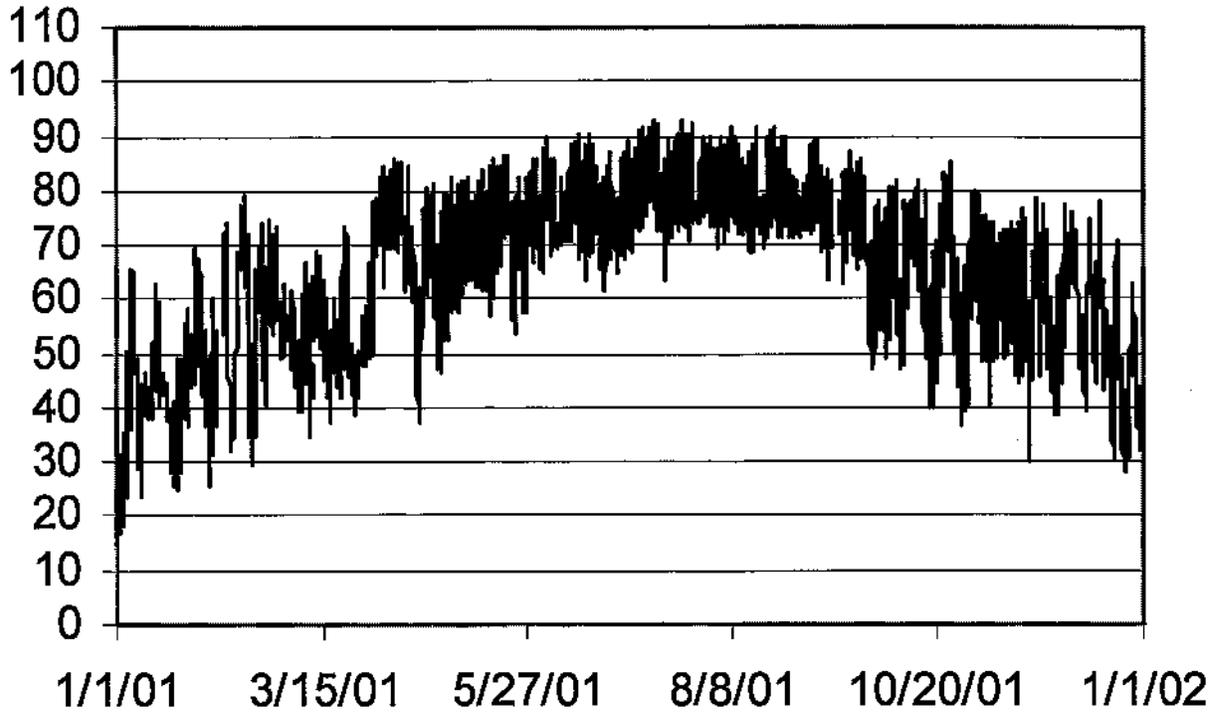
2000
Hourly Temperatures (degrees F)



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GGNS SITE 2000
HOURLY TEMPERATURES
(DEGREES F)

Grand Gulf Site 2001 Hourly Temperatures (degrees F)

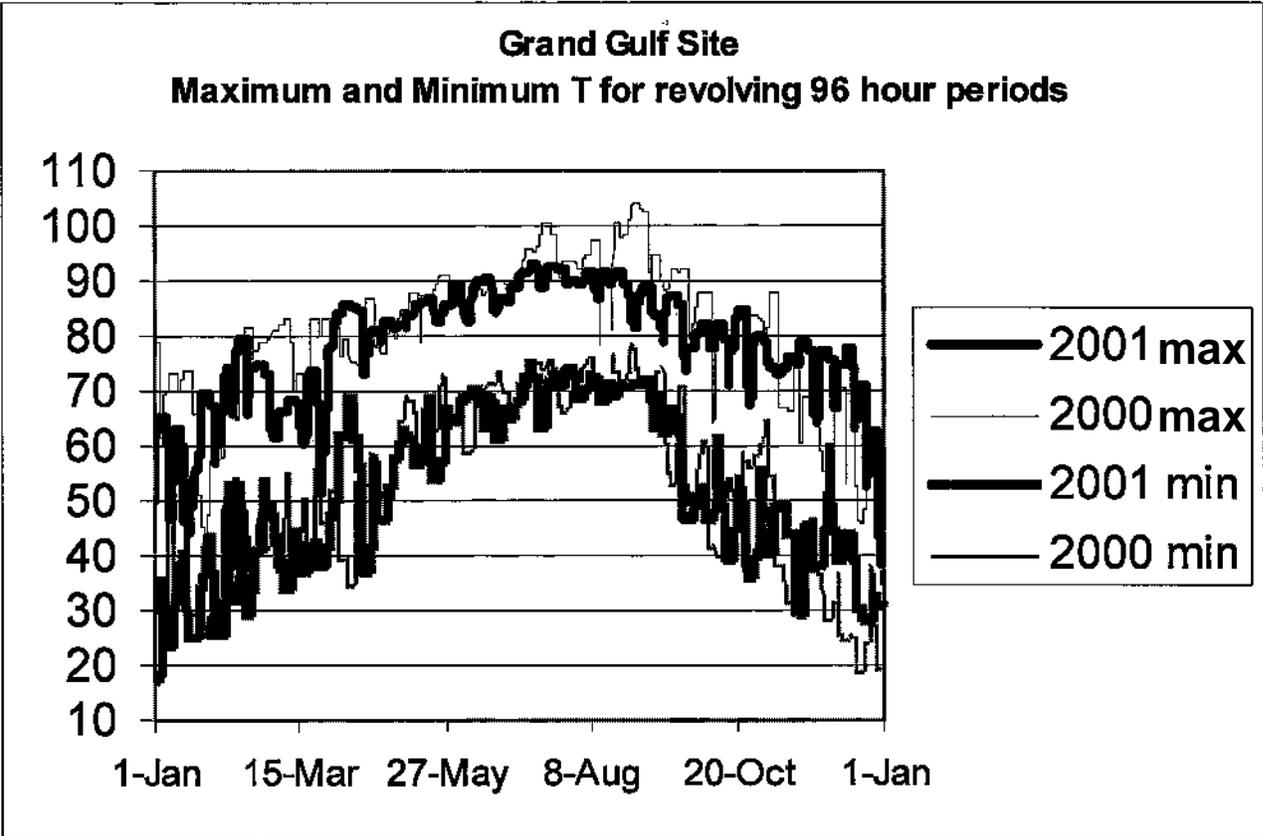


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GGNS SITE 2001
HOURLY TEMPERATURES
(DEGREES F)

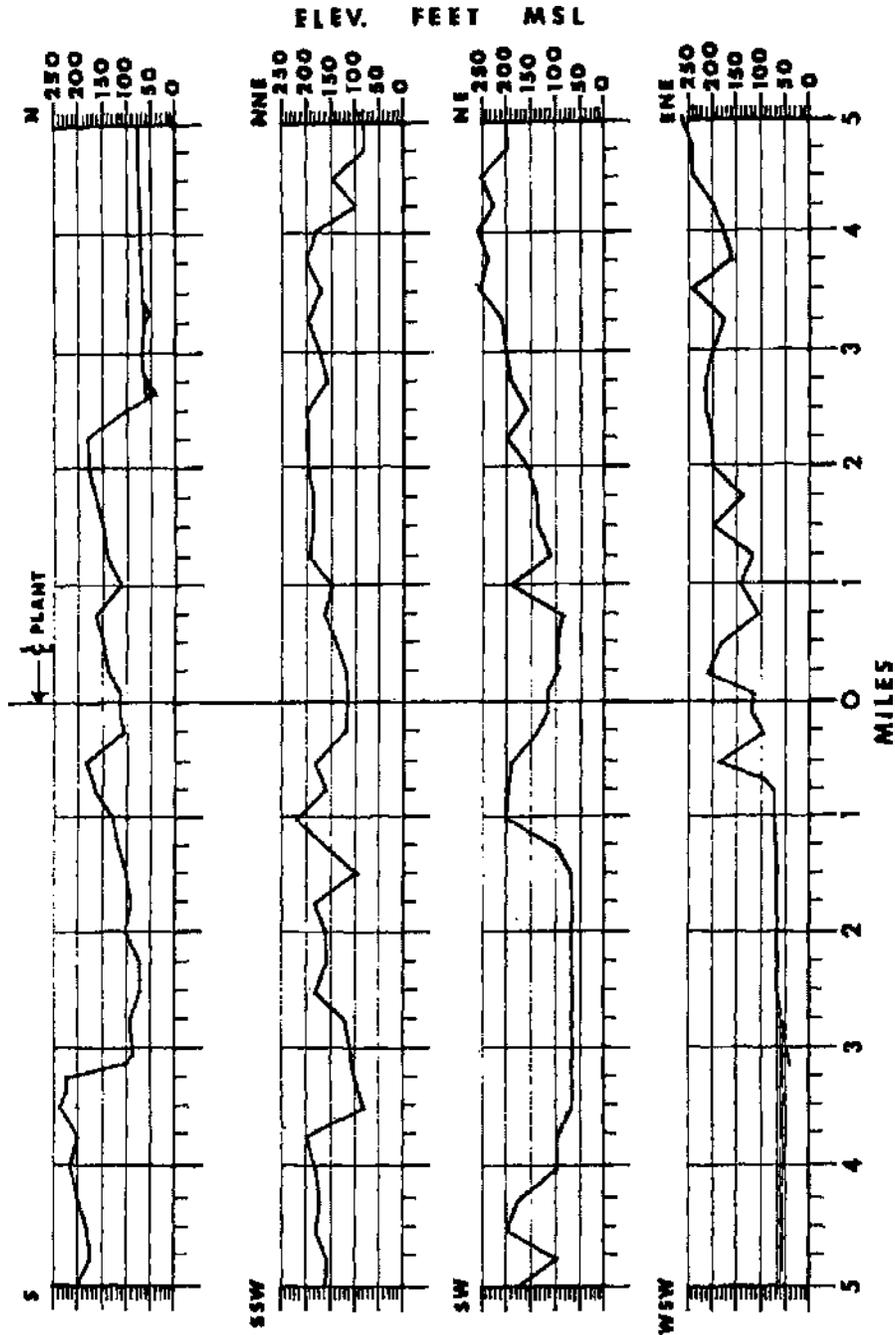
FIGURE 2.7-15

REV. 0



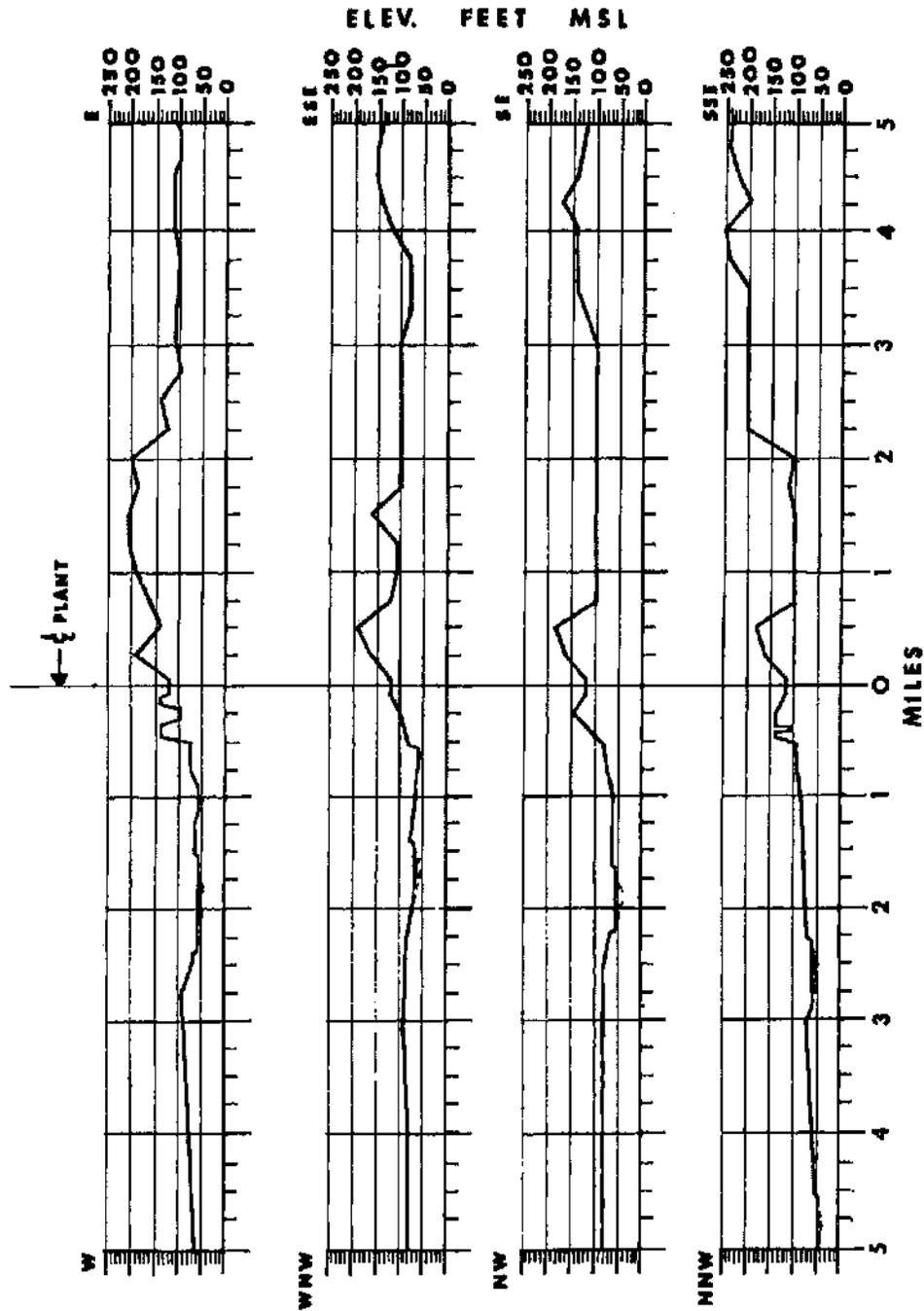
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GGNS SITE
 MAXIMUM AND MINIMUM TEMPERATURE
 FOR REVOLVING 96 HOUR PERIODS



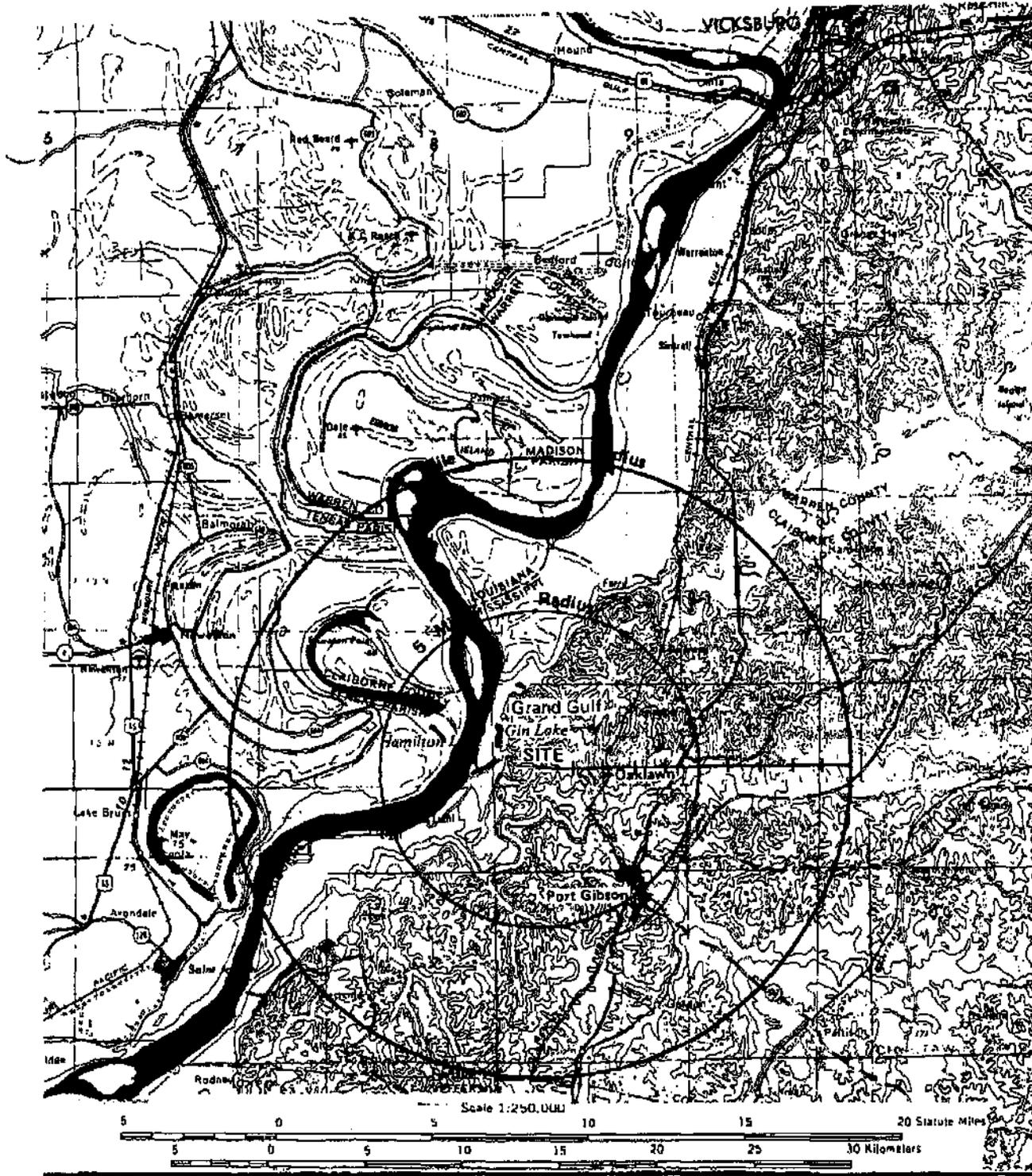
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TOPOGRAPHIC PROFILES
 (UFSAR FIGURE 2.3-8)



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TOPOGRAPHIC PROFILES
 (UFSAR FIGURE 2.3-9)



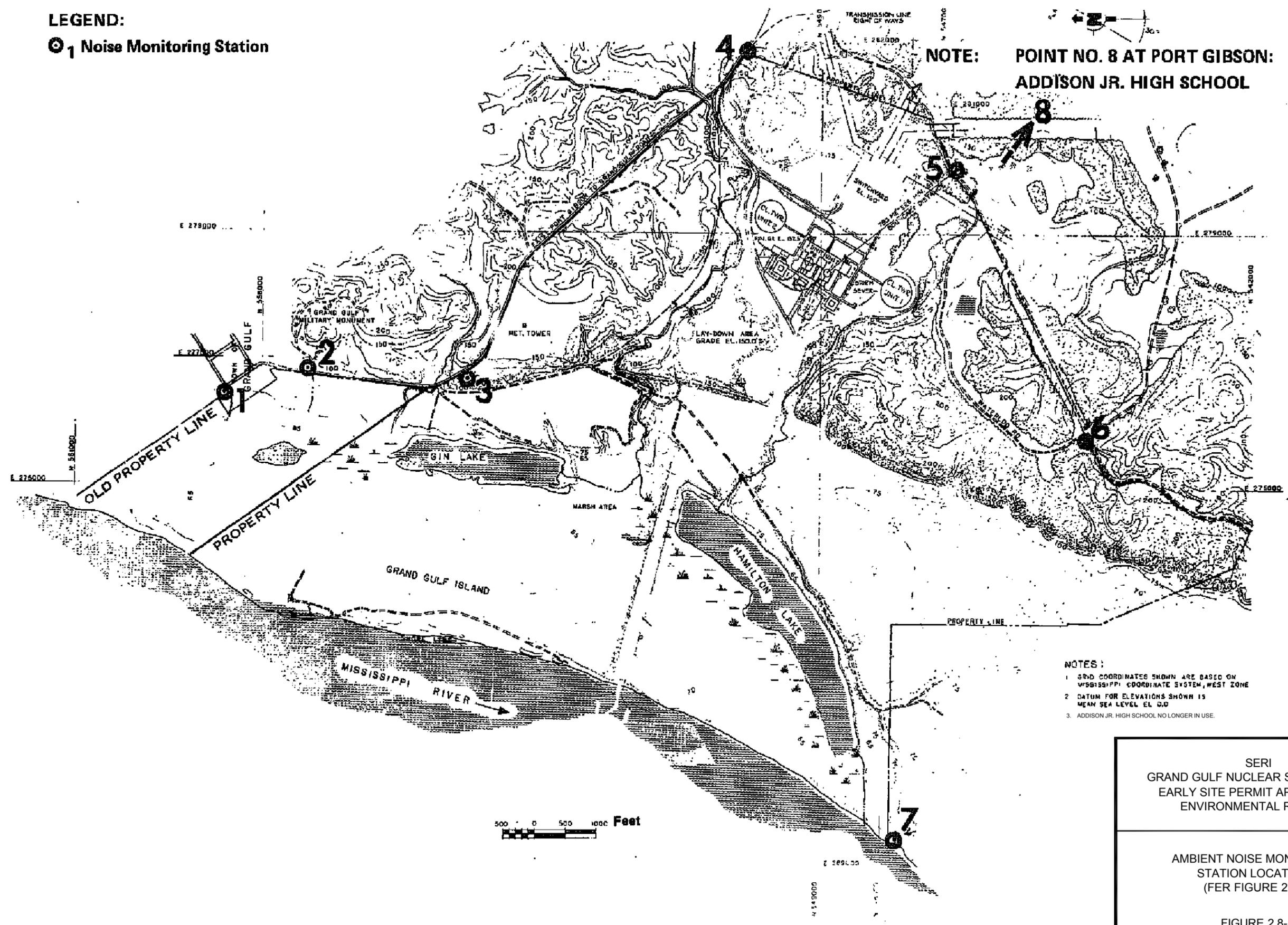
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TOPOGRAPHIC PLAN OF AREA
 WITHIN 5 AND 10 MILES OF PLANT
 (UFSAR FIGURE 2.3-10)

LEGEND:

① Noise Monitoring Station

**NOTE: POINT NO. 8 AT PORT GIBSON:
ADDISON JR. HIGH SCHOOL**

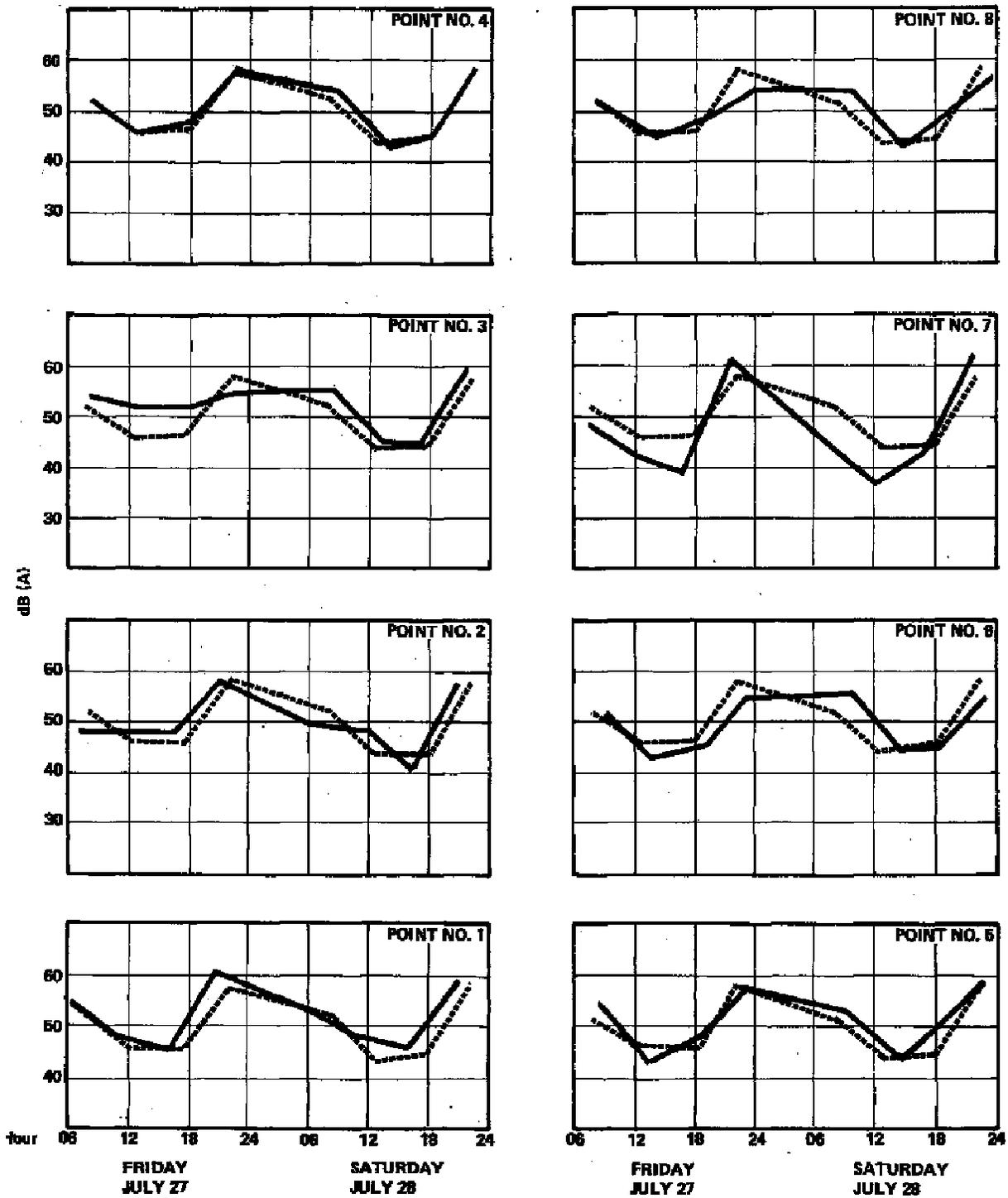


- NOTES:**
- 1. GRID COORDINATES SHOWN ARE BASED ON MISSISSIPPI COORDINATE SYSTEM, WEST ZONE
 - 2. DATUM FOR ELEVATIONS SHOWN IS MEAN SEA LEVEL EL. 0.0
 - 3. ADDISON JR. HIGH SCHOOL NO LONGER IN USE.

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AMBIENT NOISE MONITORING
STATION LOCATIONS
(FER FIGURE 2.7-1)

FIGURE 2.8-1 REV. 0



LEGEND:
 — ACTUAL dB (A) LEVEL (EACH MONITORING POINT)
 - - - AVERAGE dB (A) LEVEL (MONITORING POINTS 1 THRU 7)

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DIEL VARIATION dB(A)
 BACKGROUND NOISE LEVEL
 (FER FIGURE 2.7-2)