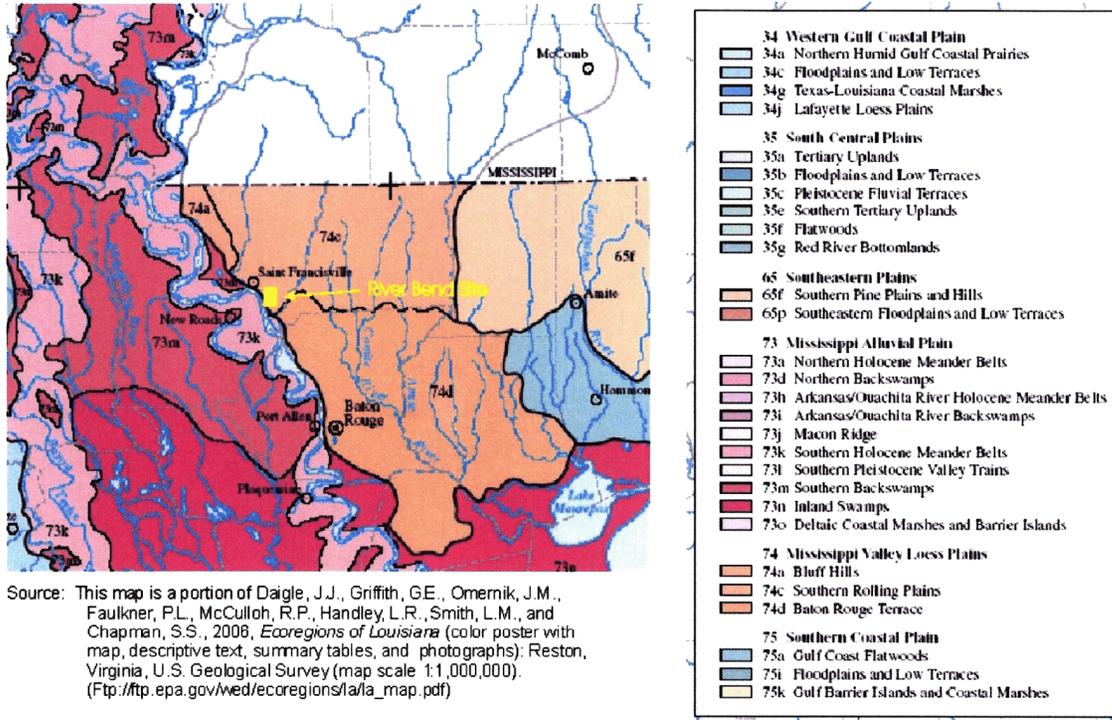


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Ecoregions of Louisiana



Source: This map is a portion of Daigle, J.J., Griffith, G.E., Omerik, J.M., Faulkner, P.L., McCulloh, R.P., Handley, L.R., Smith, L.M., and Chapman, S.S., 2006, *Ecoregions of Louisiana* (color poster with map, descriptive text, summary tables, and photographs): Reston, Virginia, U.S. Geological Survey (map scale 1:1,000,000). ([Ftp://ftp.epa.gov/wed/ecoregions/la/la_map.pdf](ftp://ftp.epa.gov/wed/ecoregions/la/la_map.pdf))

Figure 2.4-1. Ecoregions of Louisiana in the Vicinity of the RBS Site near St. Francisville

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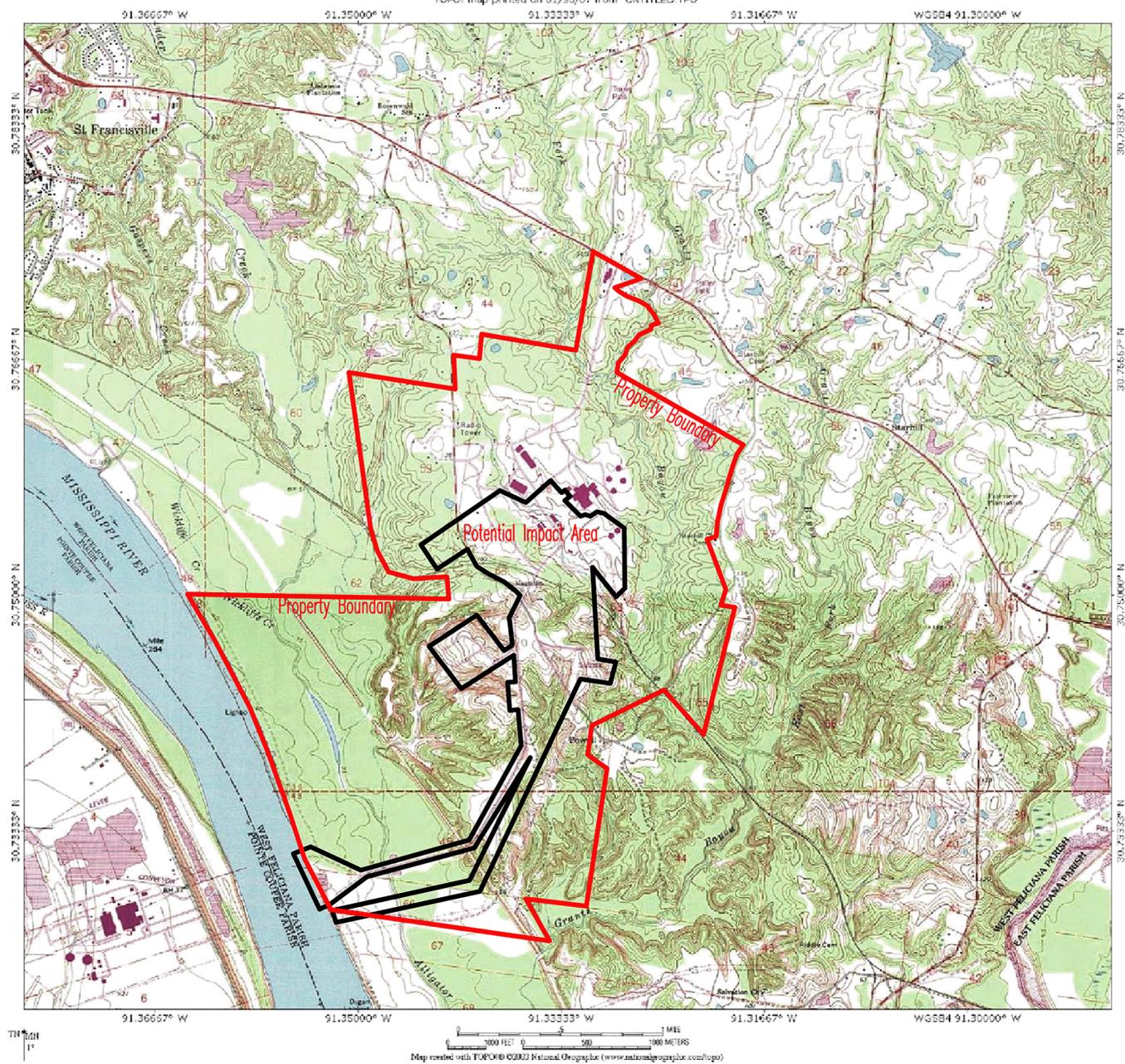


Figure 2.4-2. RBS Property Boundary and Potential Impact Area
(Base Map: USGS 7.5 minute topographic map series)

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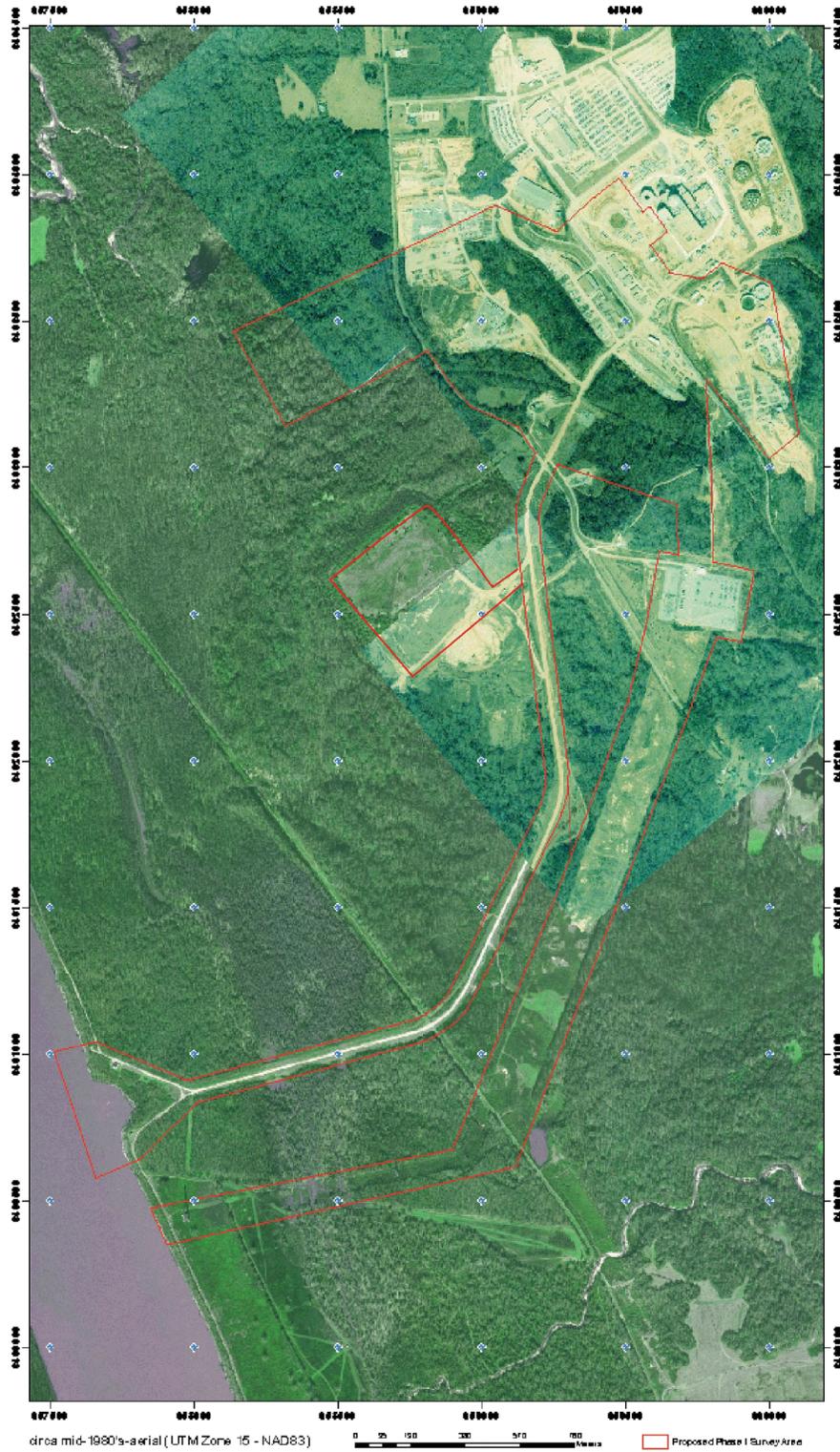


Figure 2.4-3. Aerial Photograph of the RBS Site Taken in 1985
(Red line indicates approximate area of impact for RBS Unit 3)

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Figure 2.4-4. Aerial Photograph of the RBS Site Taken in 2005

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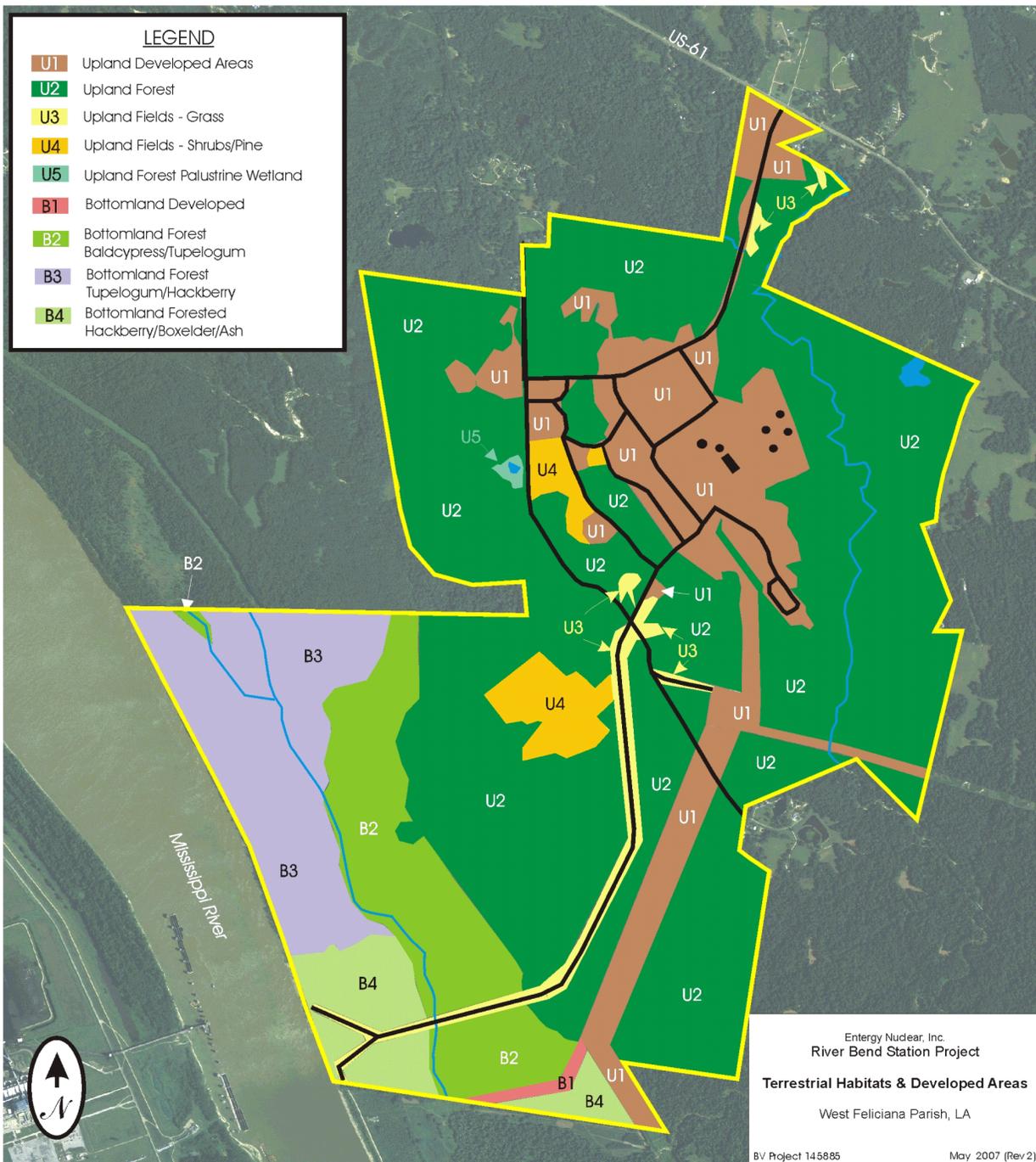


Figure 2.4-5. Current Terrestrial Habitats and Developed Areas at the RBS Site

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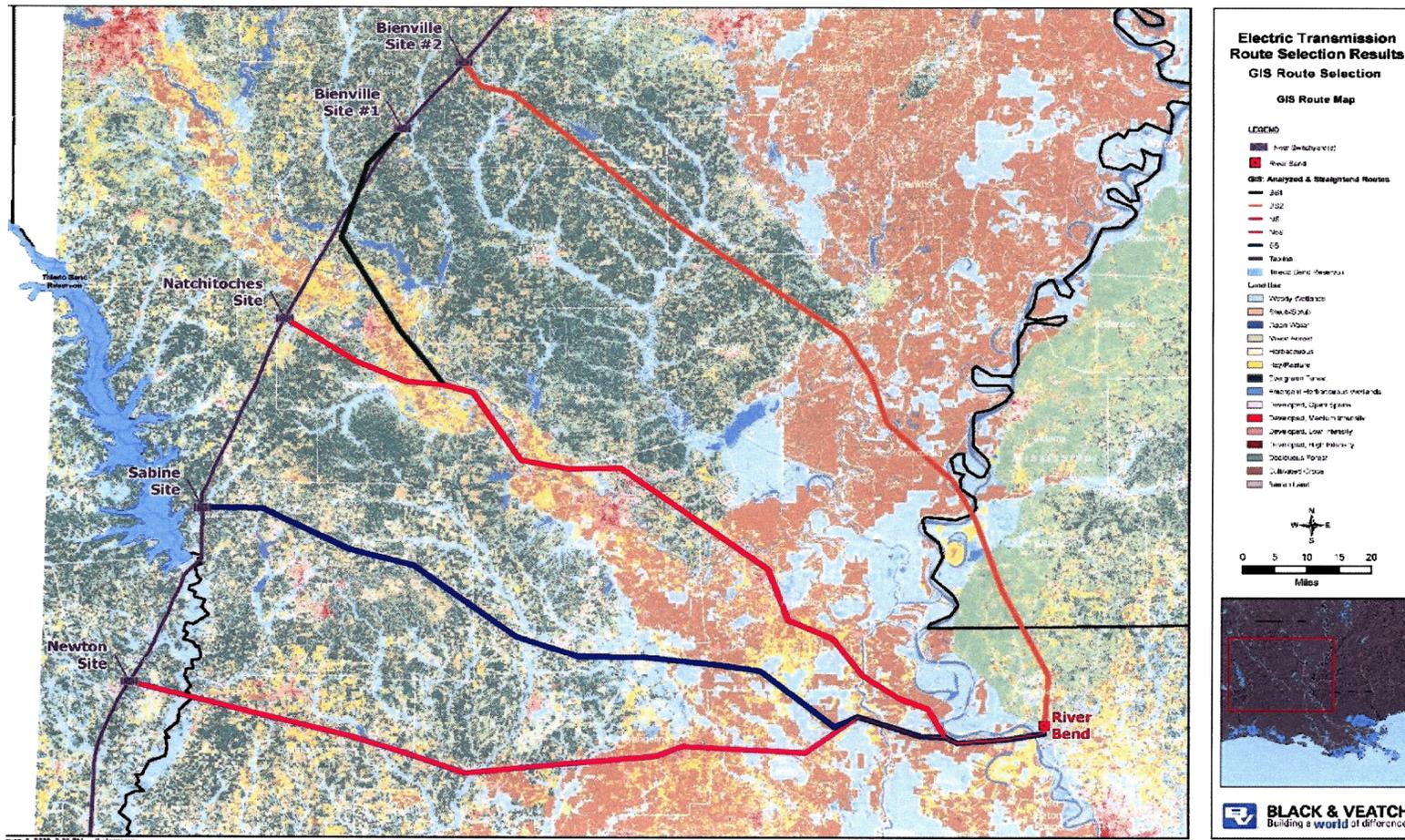


Figure 2.4-6. GIS-Generated Composite Constraint Map
(Preferred route, Natchitoches, is third from bottom [red])

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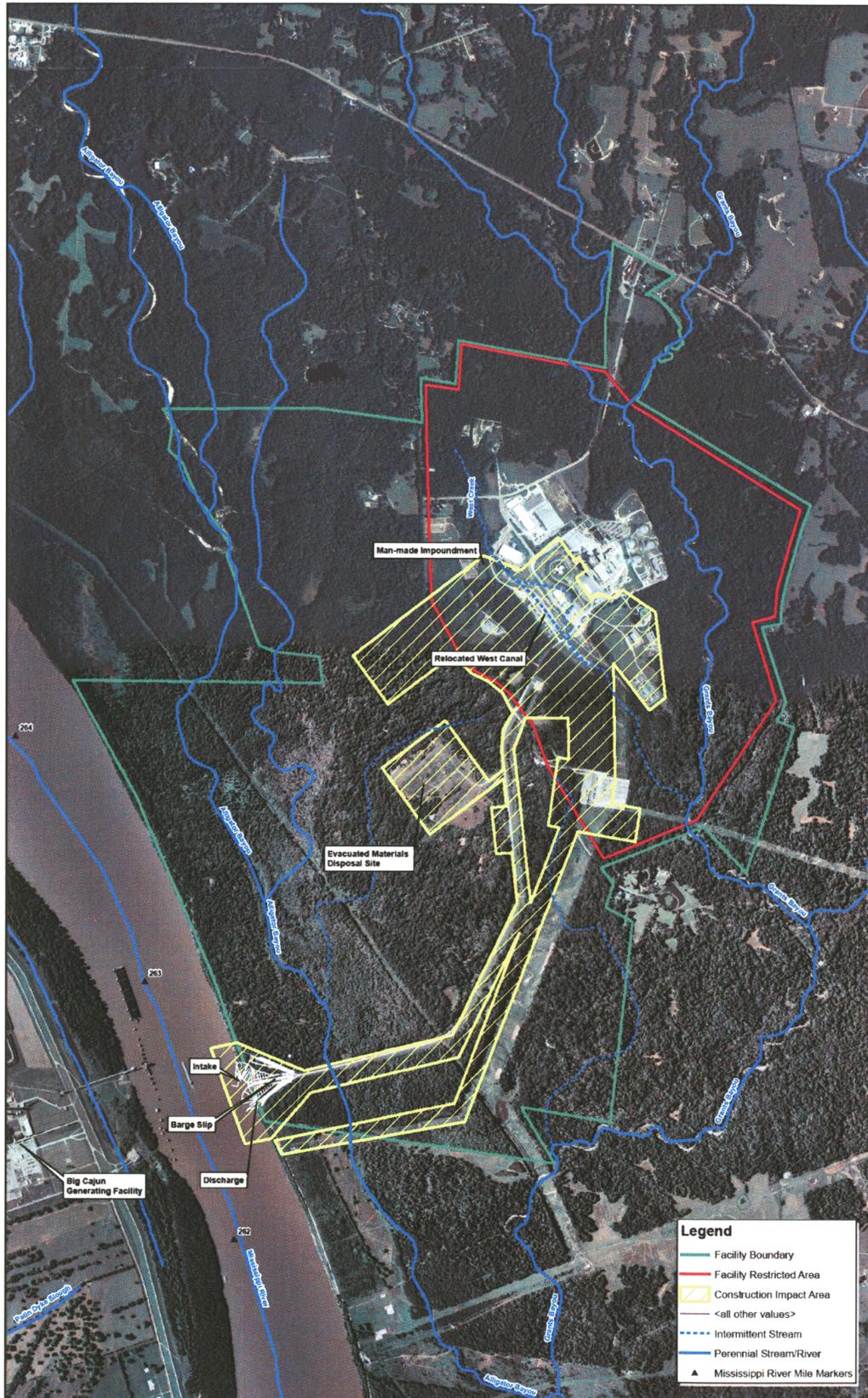


Figure 2.4-7. Aquatic Resources Site Map

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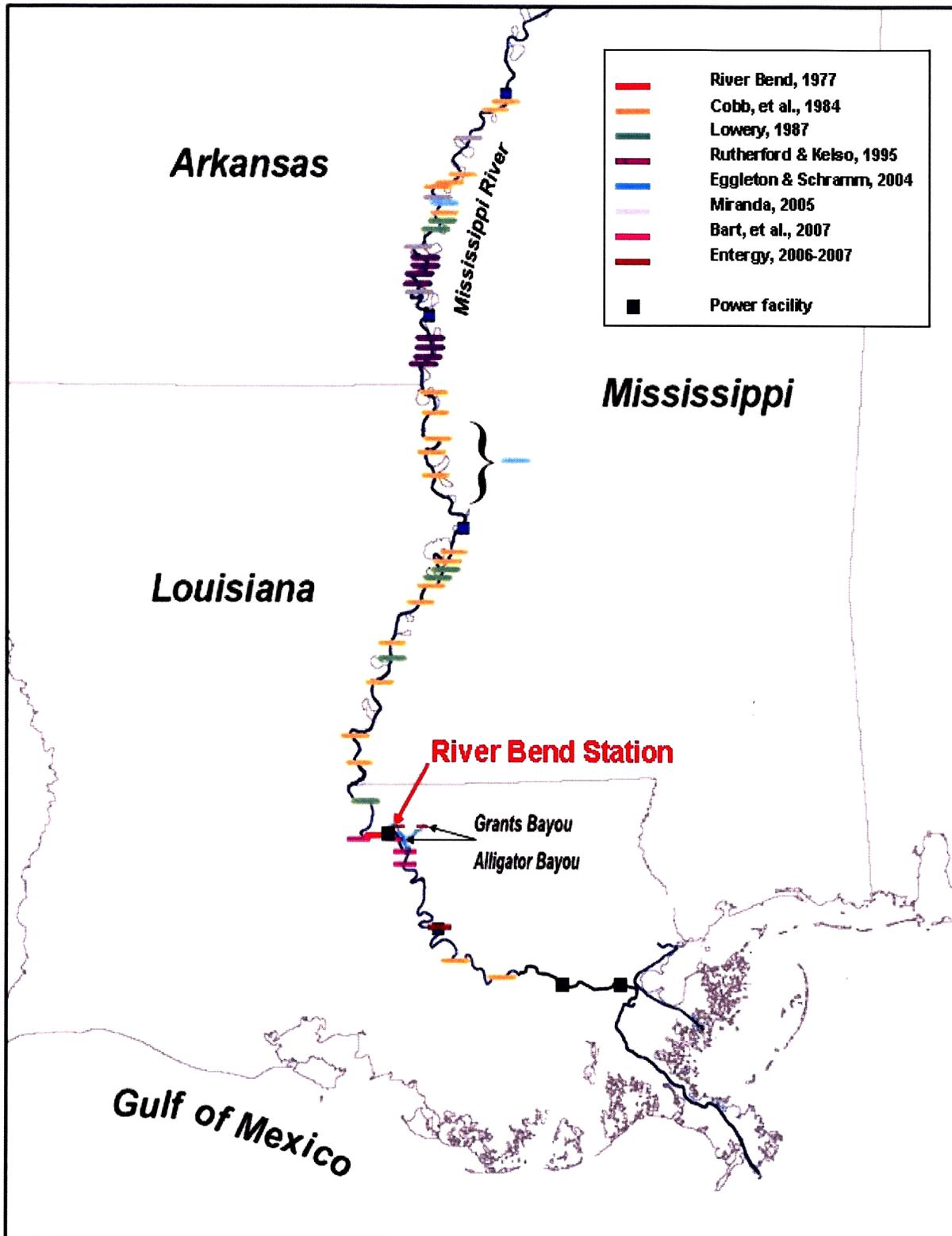


Figure 2.4-8. Location of Biological Sampling Studies Performed

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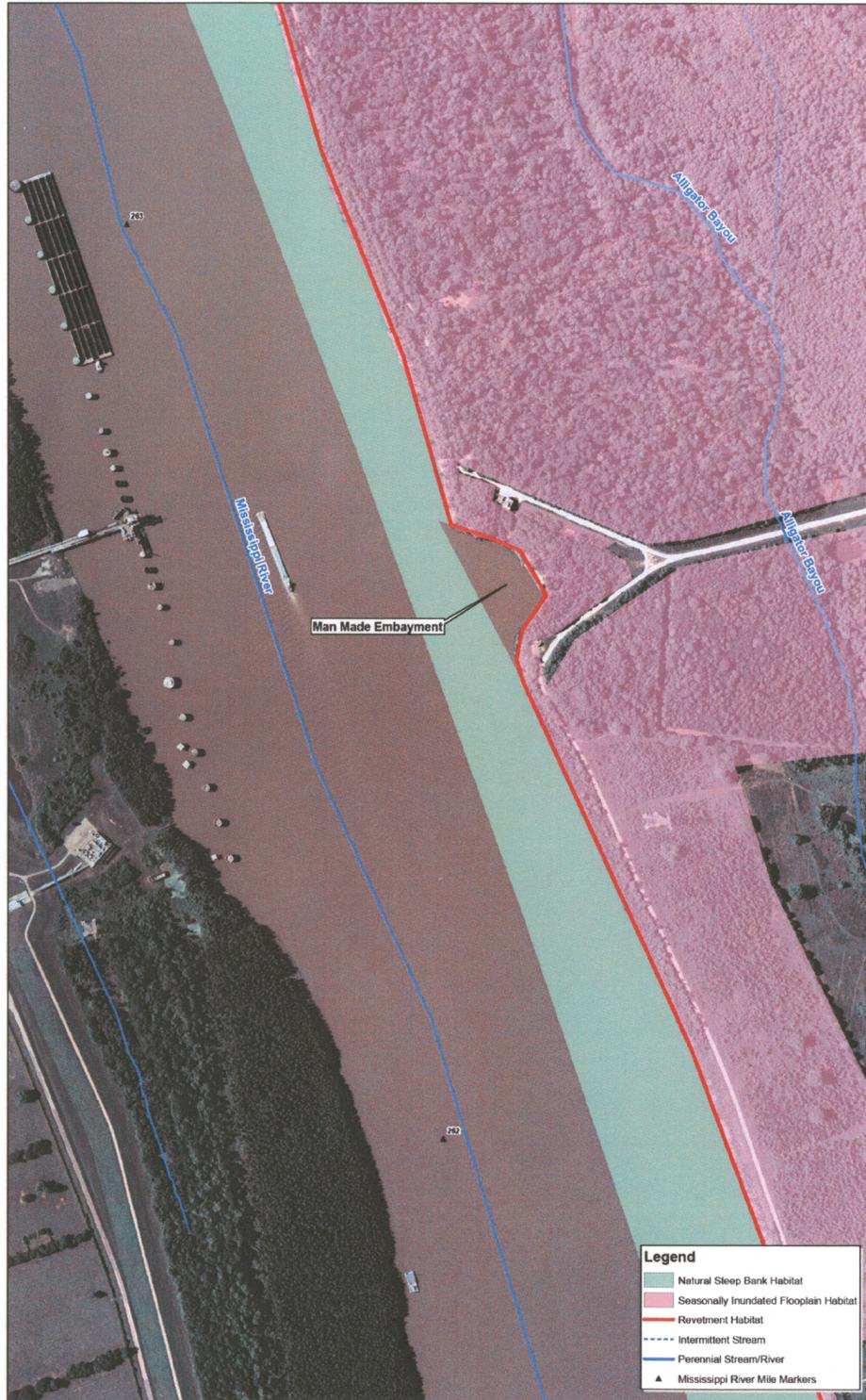


Figure 2.4-9. Aquatic Habitat Types near the RBS Site

Source: Reference 2.4-24.

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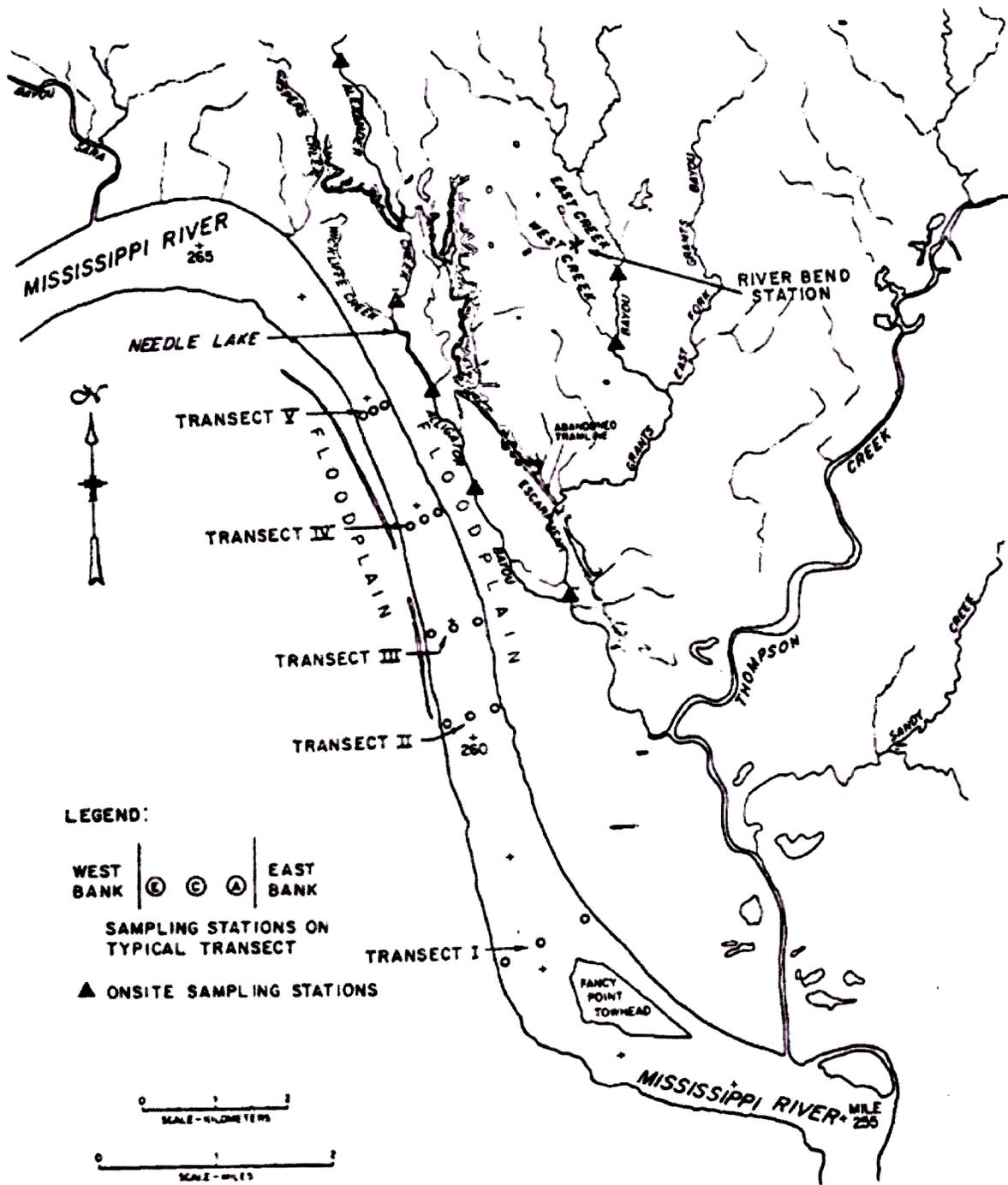


Figure 2.4-10. Sampling Transects, Plankton Surveys in the LMR (1972 - 1977)

Source: References 2.4-1 and 2.4-21.

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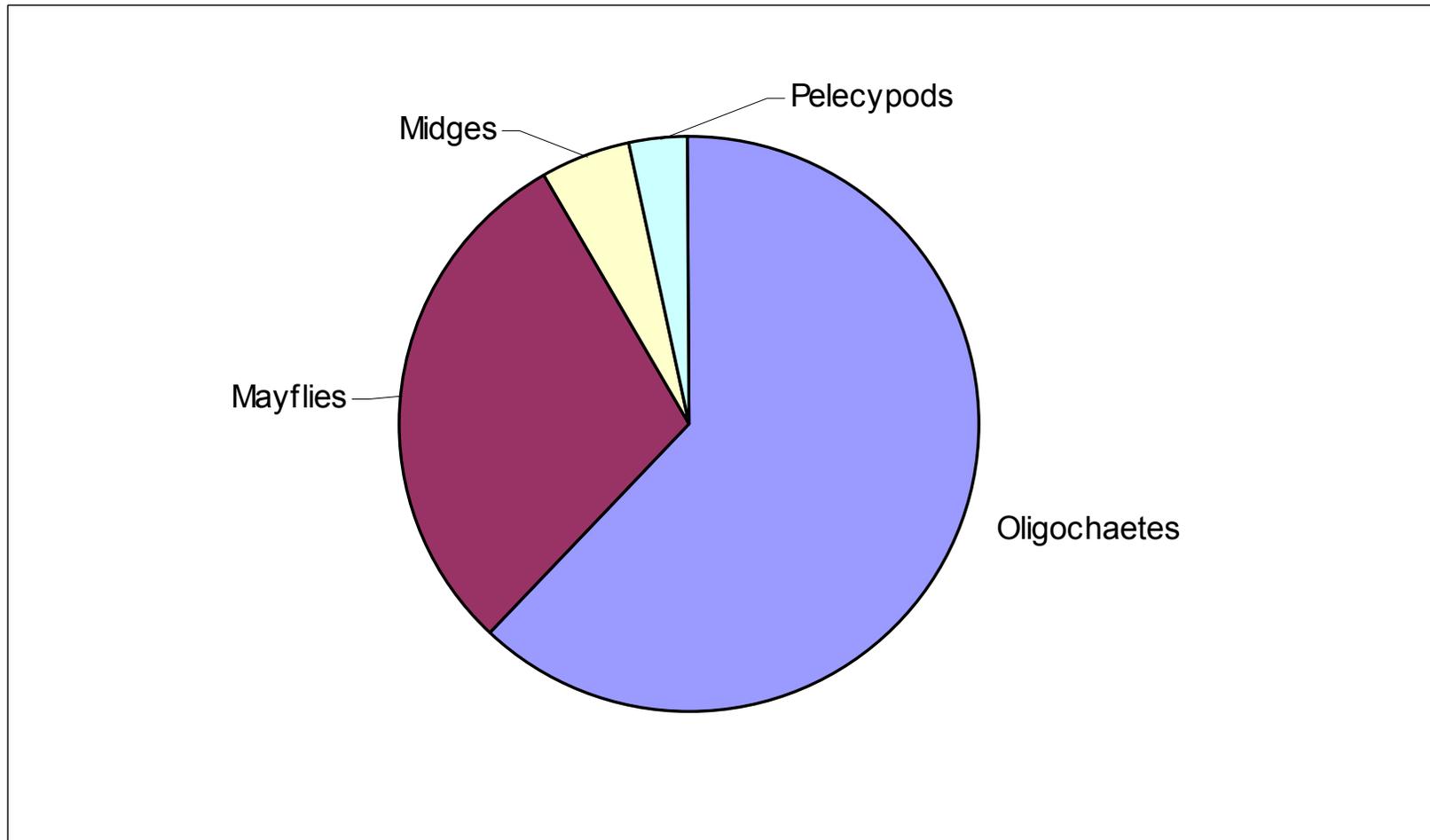


Figure 2.4-11. Mississippi River Benthic Community (No./m²)
Species Comprising >1 Percent of Samples (1974 - 1977)

Source: References 2.4-1 and 2.4-21.

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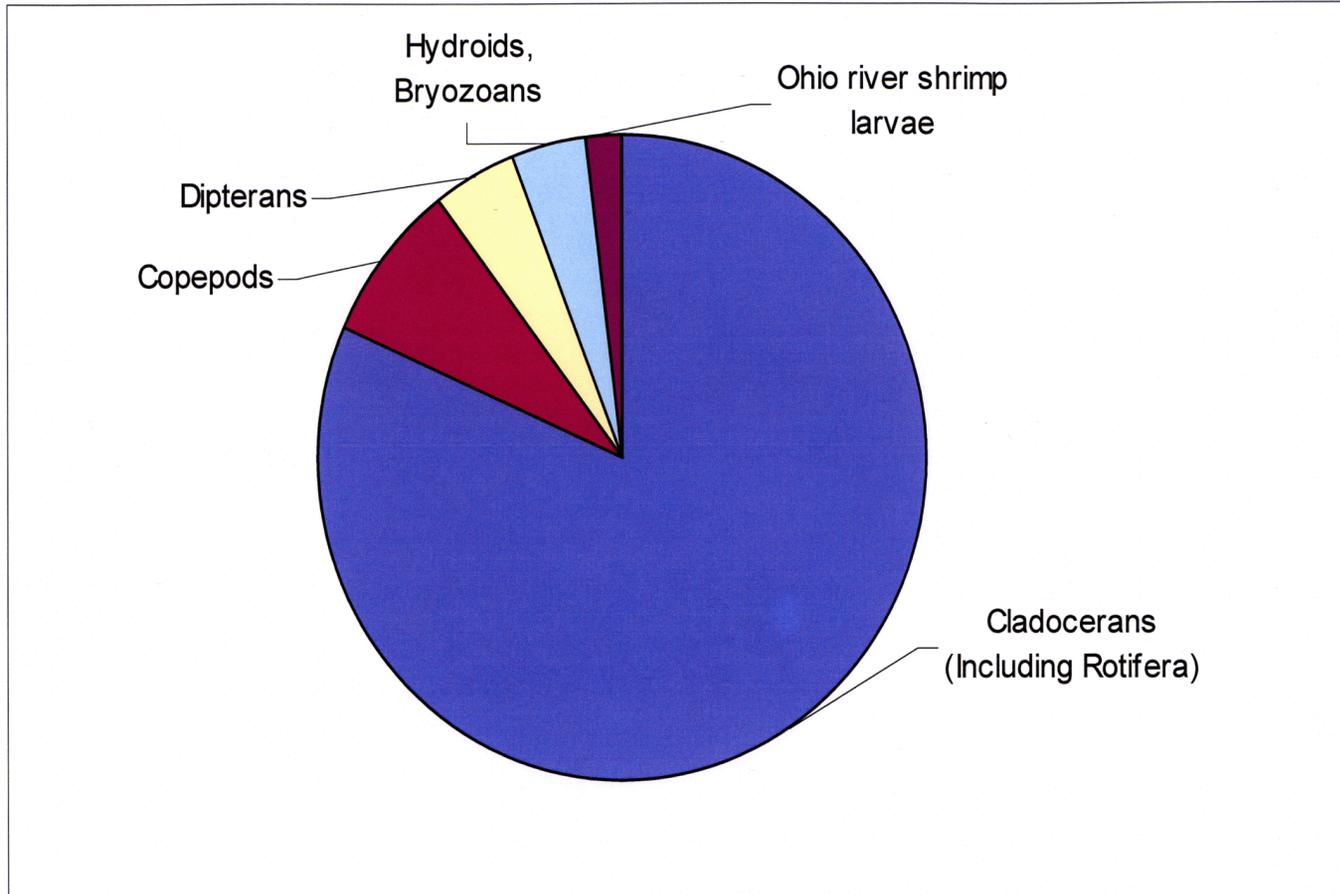


Figure 2.4-12. Mississippi River Plankton Tows (No./100 m³)
Species Comprising >1 Percent of Samples (1974)

Source: References 2.4-1 and 2.4-21.

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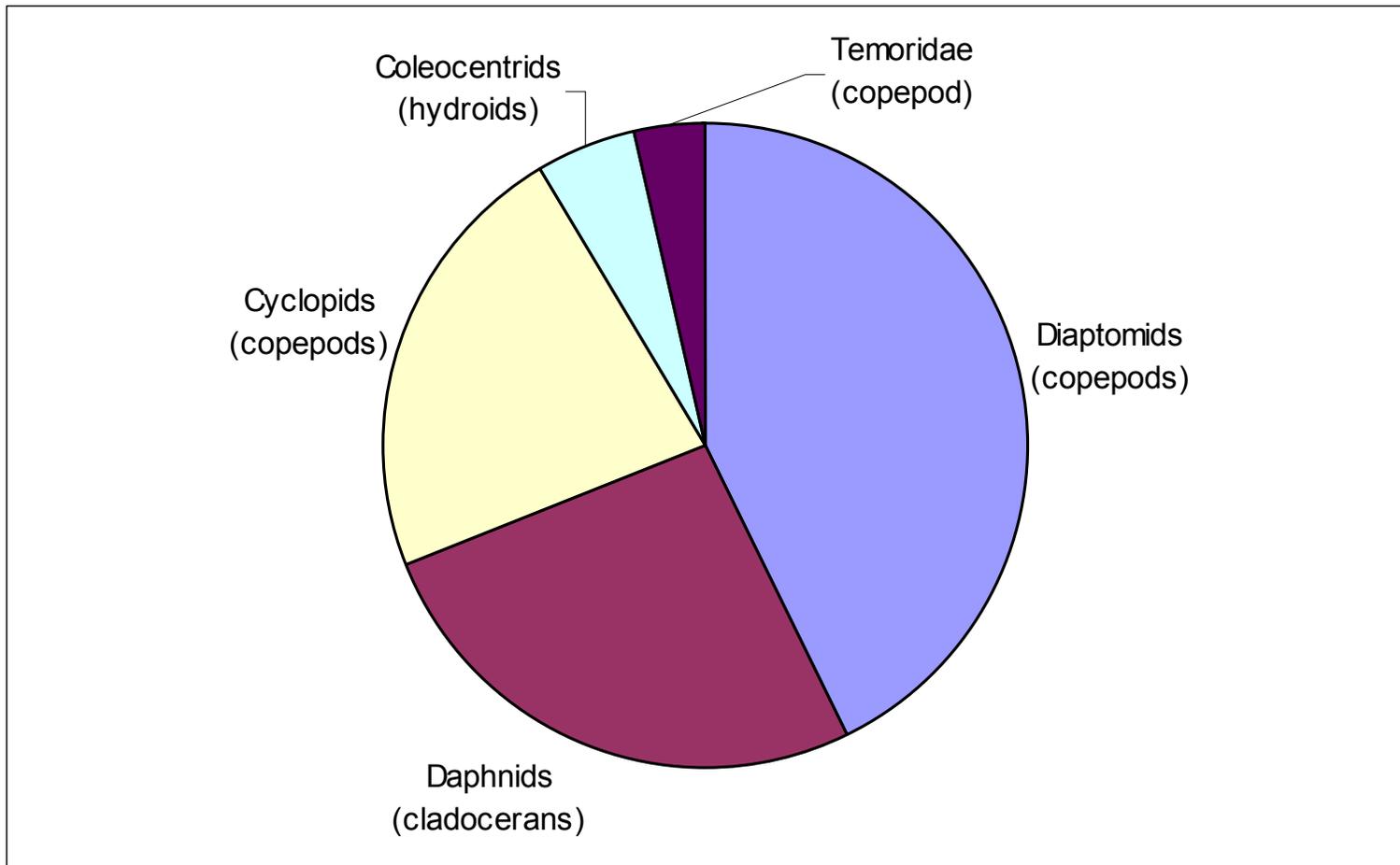
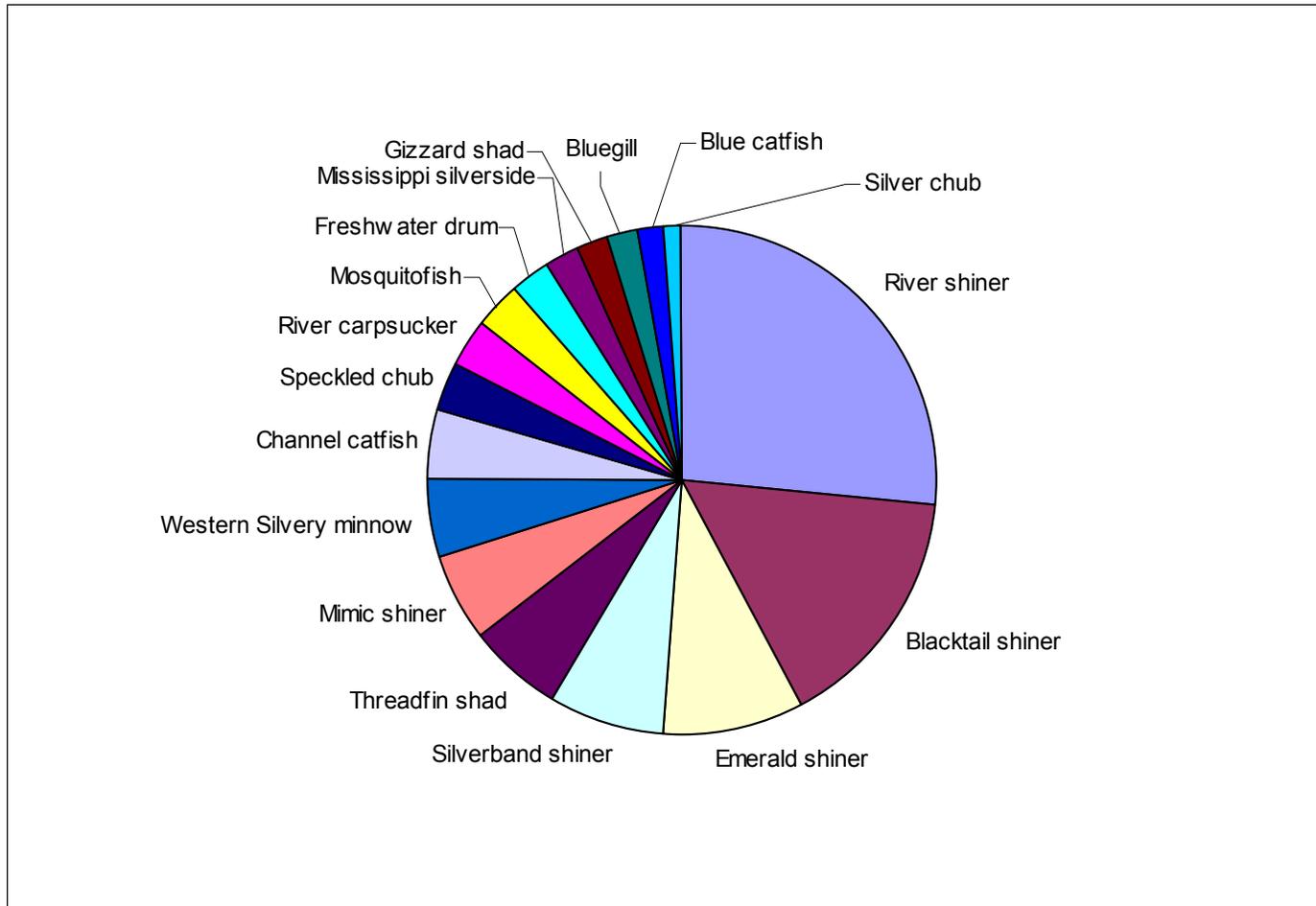


Figure 2.4-13. Mississippi River Plankton Tows (No./100 m³) near RBS Cooling Water Intake and Discharge
Species Comprising >1 Percent of Samples (1976 - 1977)

Source: References 2.4-1 and 2.4-21.

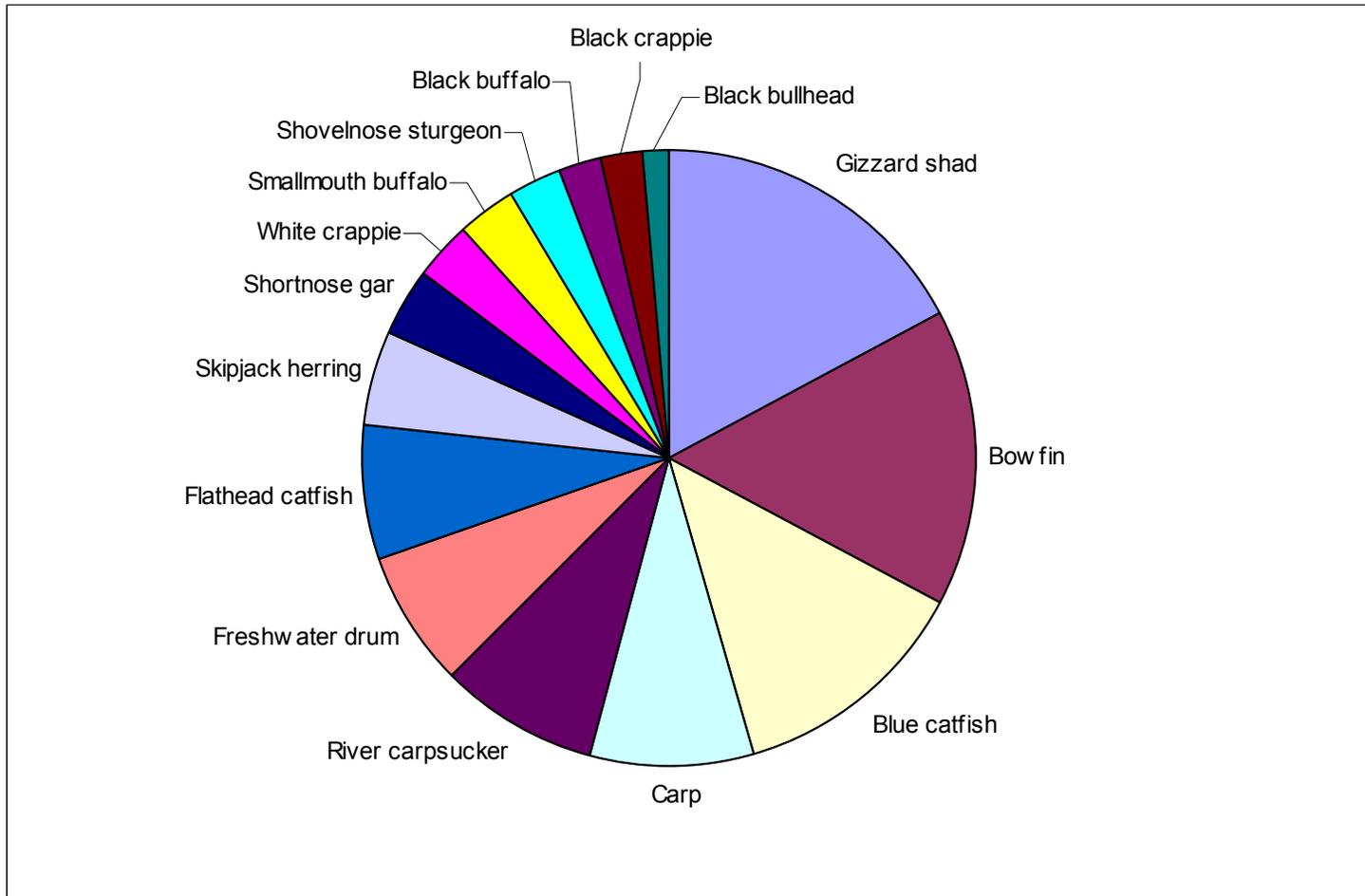
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**Figure 2.4-14. Mississippi River Seine Collections (CPUE)
Species Comprising >1 Percent of Samples (1972 - 1977)**

Source: References 2.4-1 and 2.4-21.

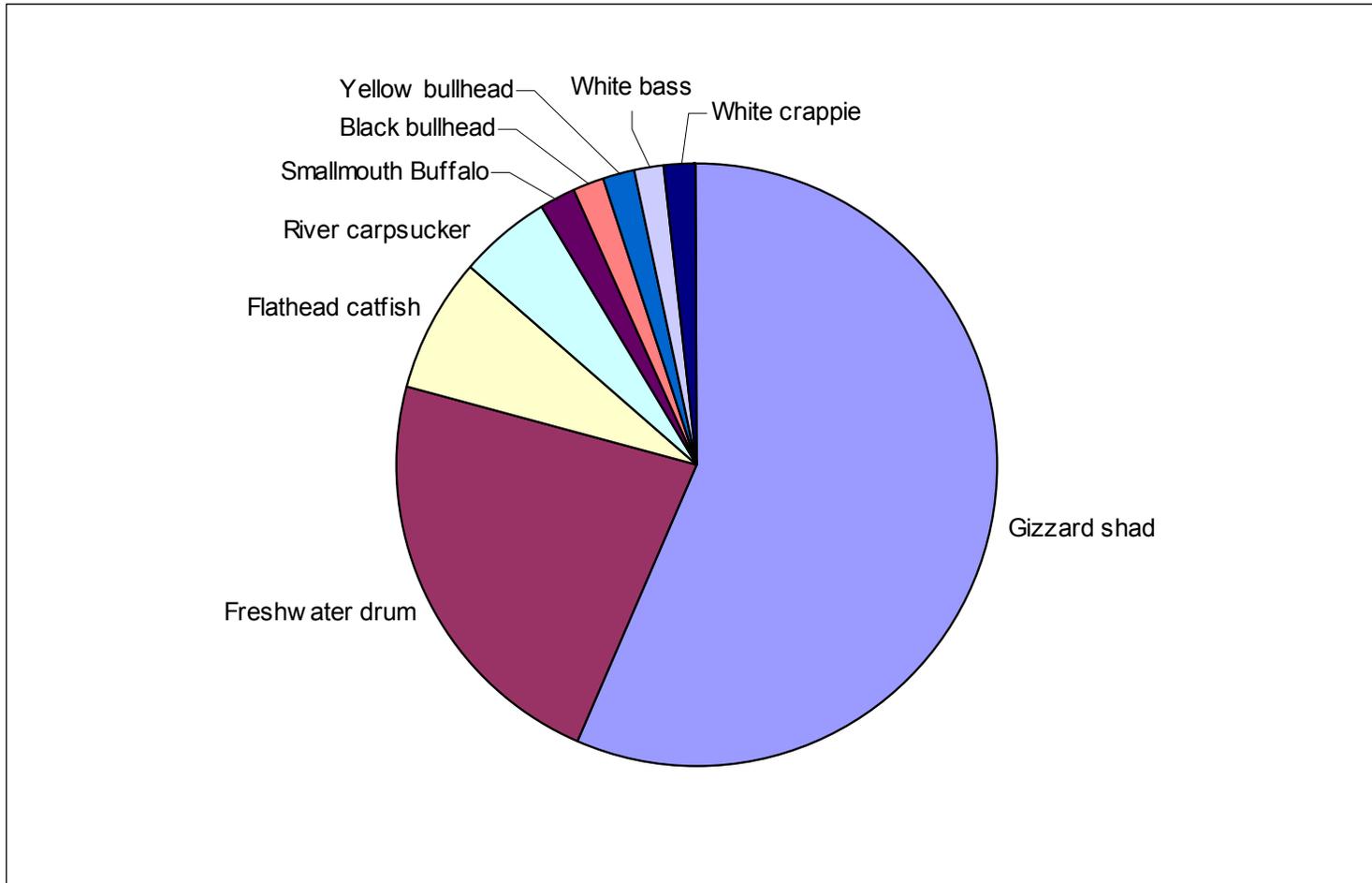
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**Figure 2.4-15. Mississippi River Trammel Net Collections (CPUE)
Species Comprising >1 Percent of Samples (1972 - 1977)**

Source: References 2.4-1 and 2.4-21.

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**Figure 2.4-16. Mississippi River Hoop Net Collections
Species Comprising >1 Percent of Samples (1974 - 1976)**

Source: References 2.4-1 and 2.4-21.

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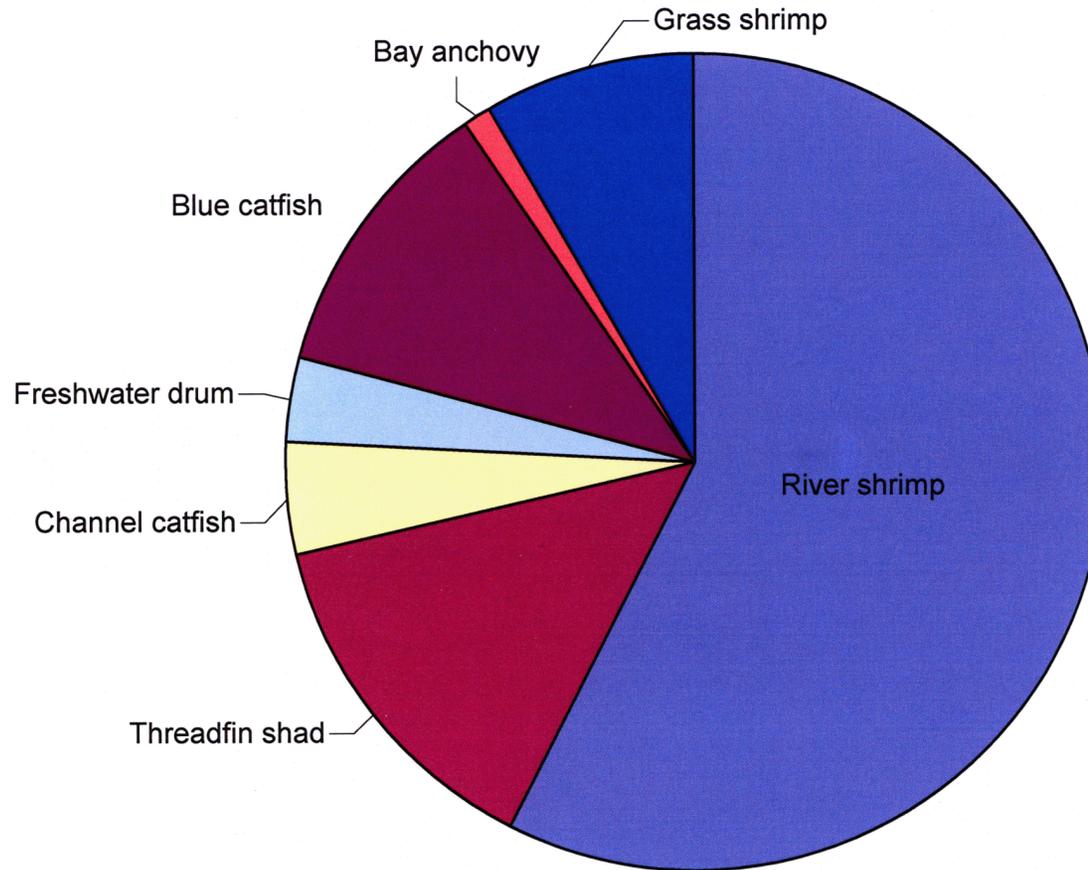
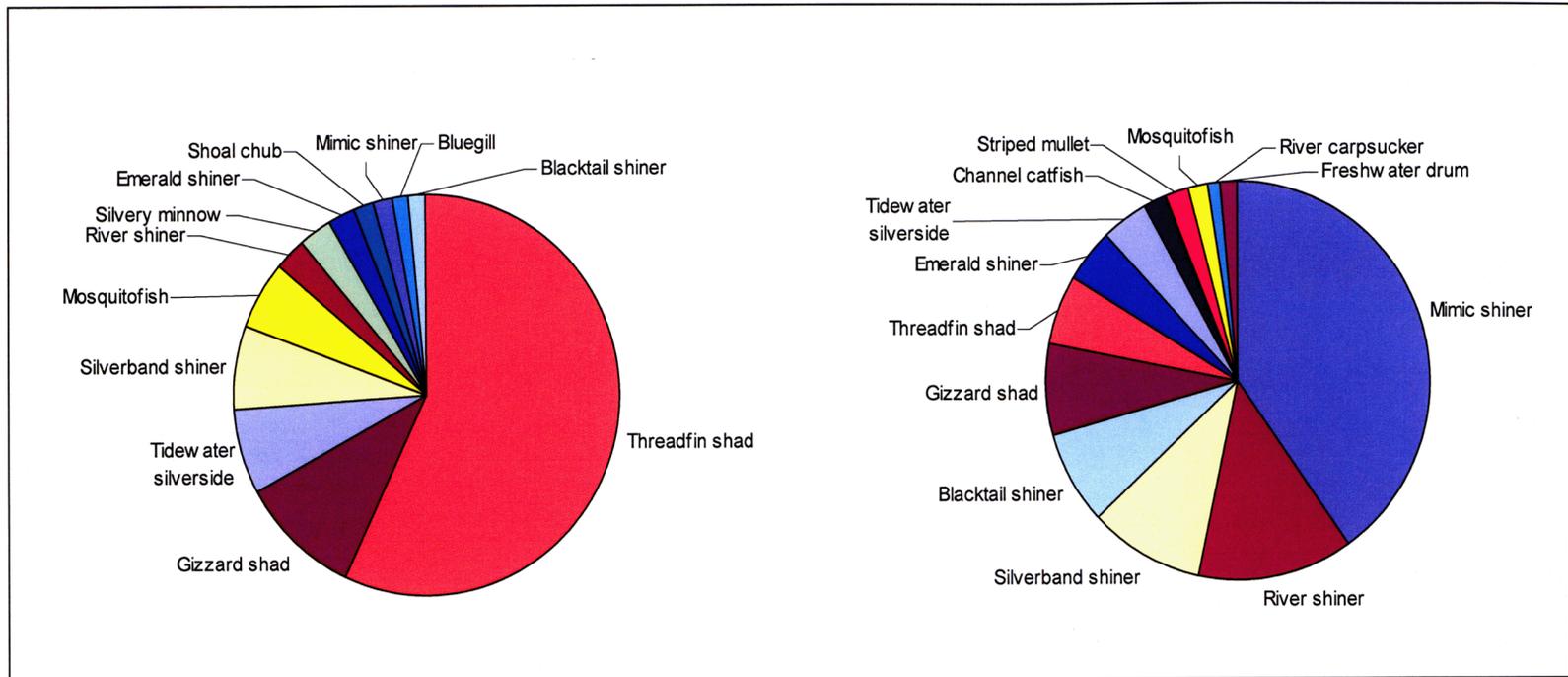


Figure 2.4-17. Impingement Characterization at Once-Through Cooling Facility (RM 129.9)
Species Comprising >1 Percent of Samples (2006 - 2007)

Source: Reference 2.4-23.

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**Figure 2.4-18. Comparison of Species Comprising >1 Percent of Samples (RM 240 to RM 273)
1977 - 1979 versus 2000 - 2001**

Source: References 2.4-1, 2.4-21, and 2.4-30.

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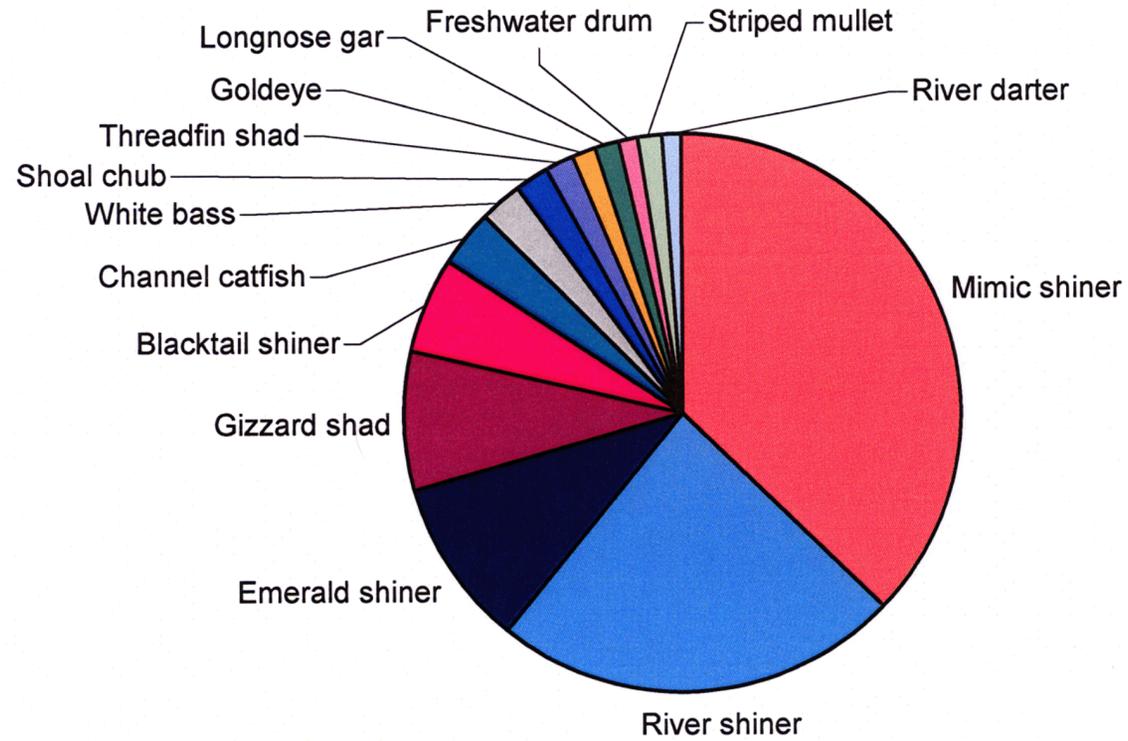


Figure 2.4-19. Samples Collected near (<1 Mi.) the RBS Site (RM 240 to RM 273)
Species Comprising >1 Percent of Samples (2000 - 2001)

Source: Reference 2.4-30.

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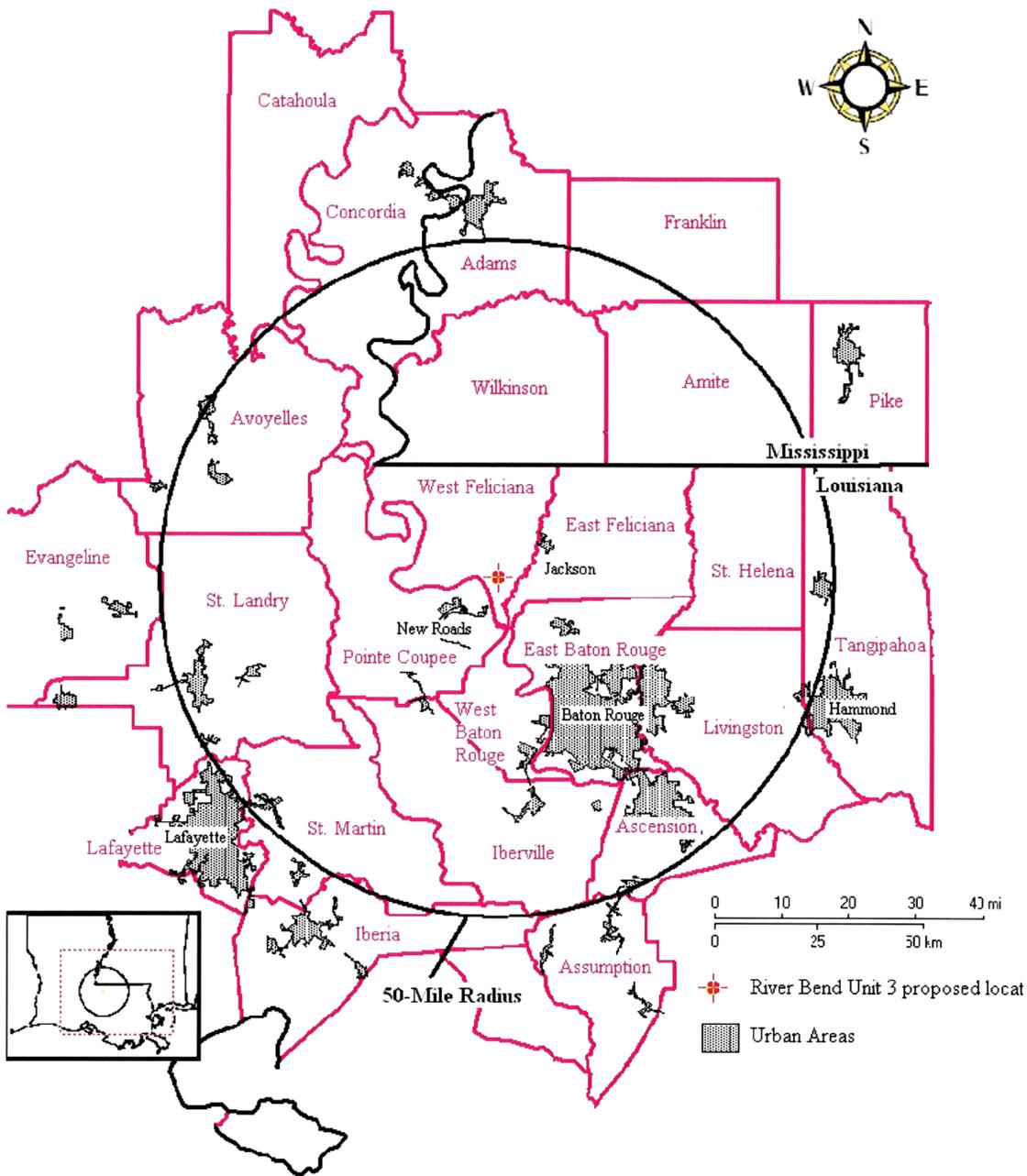


Figure 2.5-1. Parishes/Counties Wholly or Partly within a 50-Mi. Radius of the Proposed RBS Unit 3 Power Block (Latitude: 30° 45' 22" N, longitude: 91° 20' 2" W)

Source: Reference 2.5-49.

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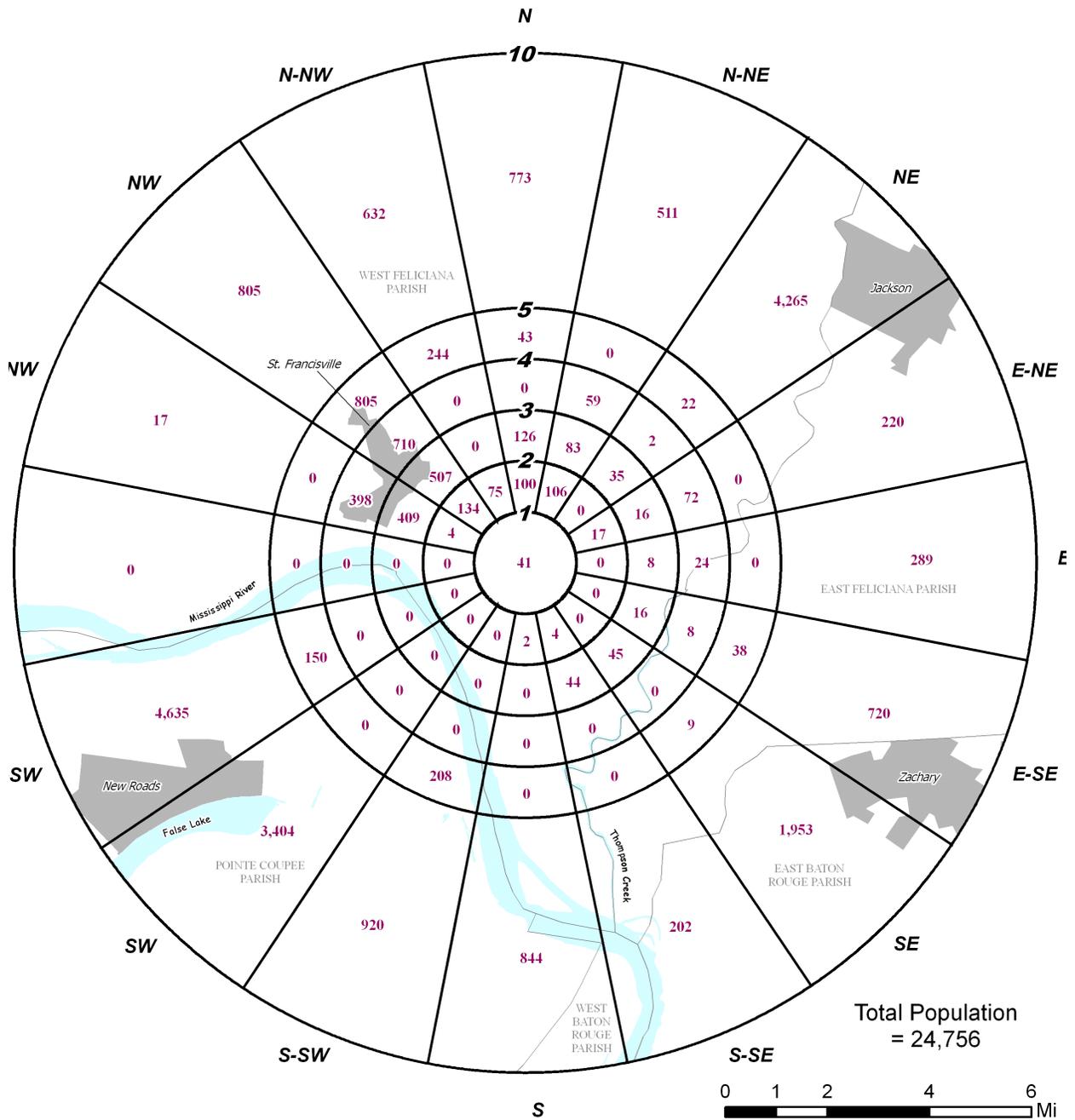


Figure 2.5-2. Segment Population Distribution 0 - 10 Mi. (Segmented Concentric Circles) from the Proposed RBS Unit 3 Power Block, 2000

Source: Reference 2.5-50.

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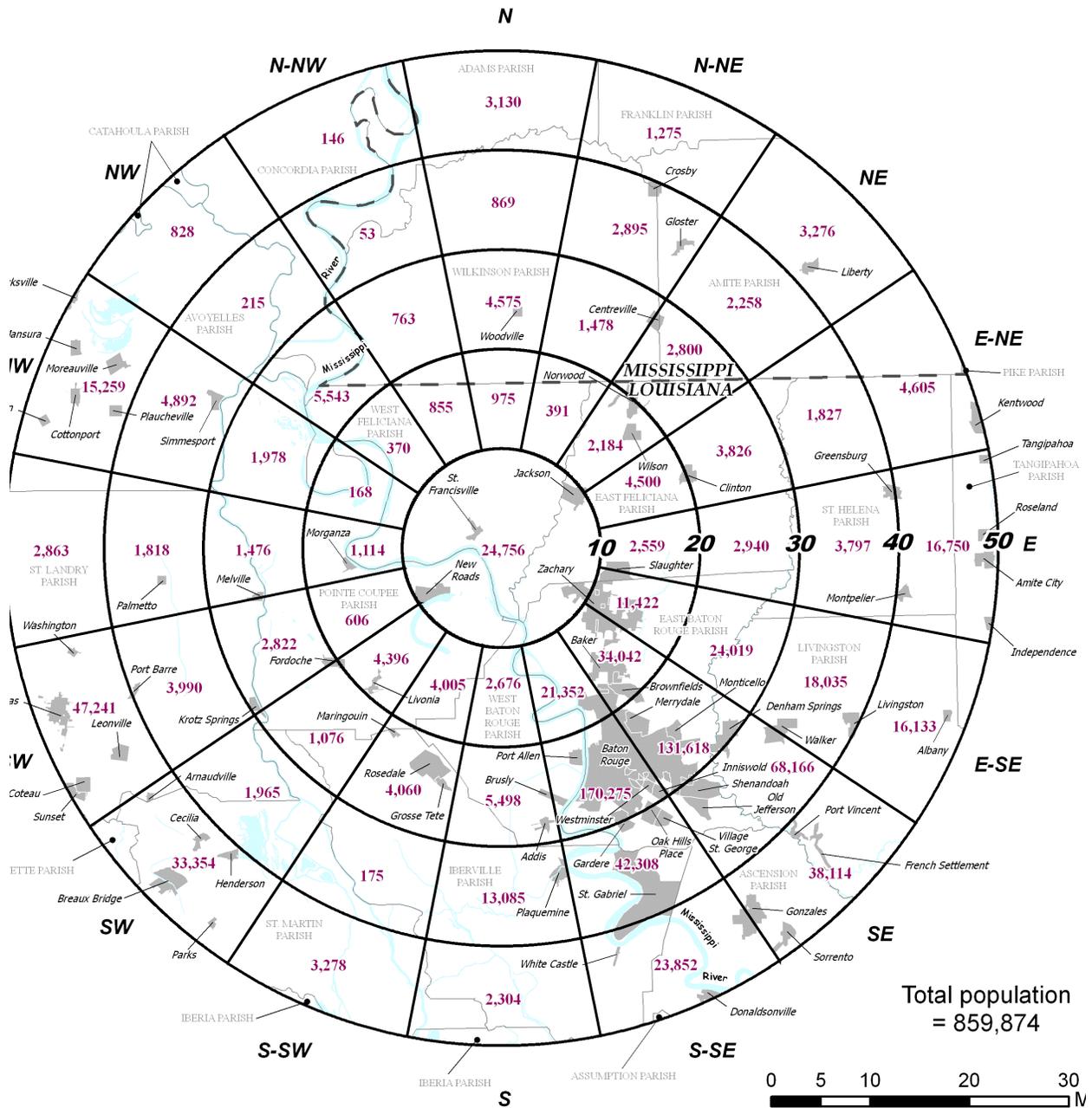


Figure 2.5-3. Regional Segment Population Distribution 0 - 50 Mi. (Segmented Concentric Circles) from the Proposed RBS Unit 3 Power Block, 2000

Source: Reference 2.5-50.

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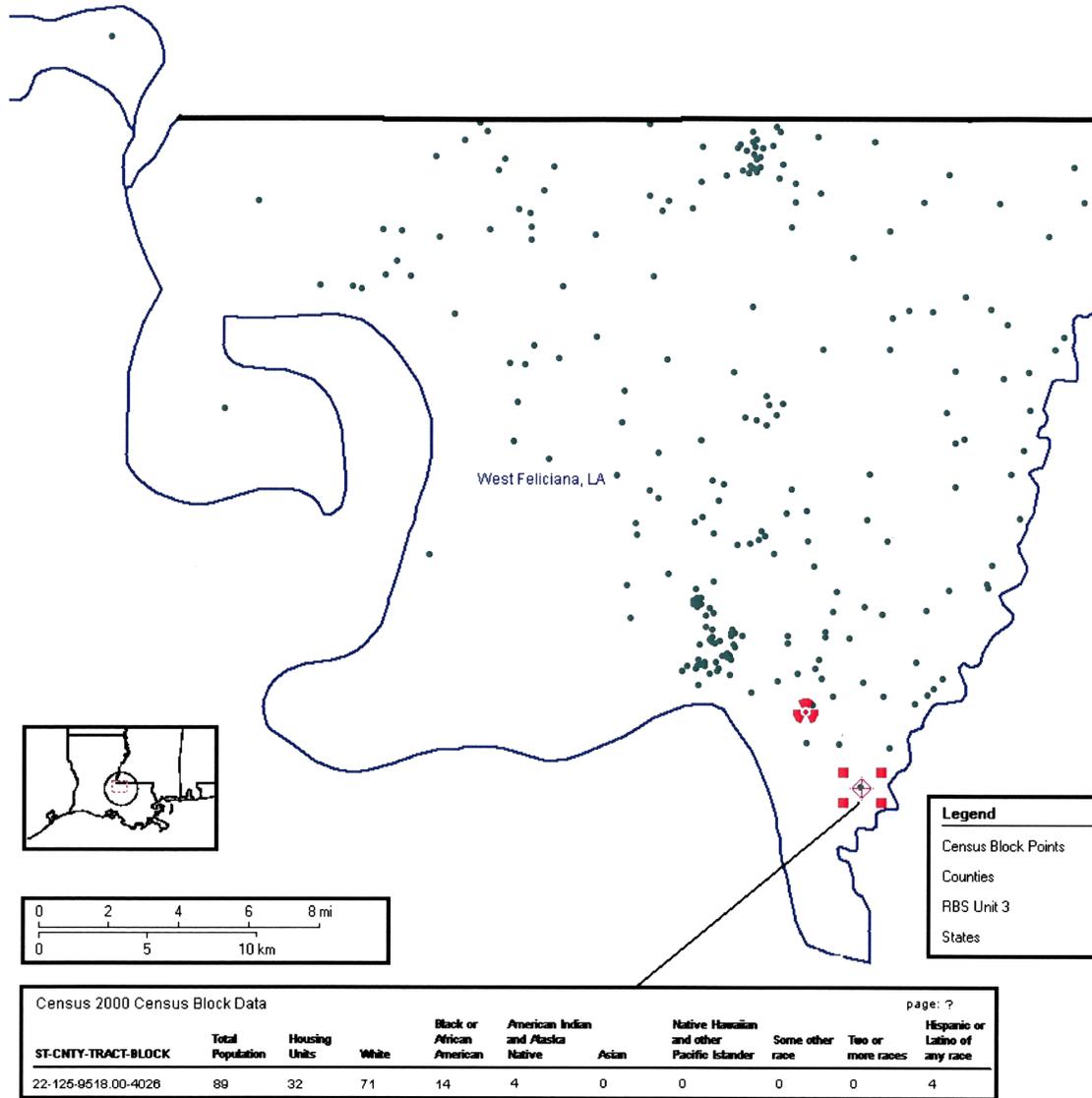


Figure 2.5-4. Census Block Points within West Feliciana Parish

Source: Reference 2.5-50.

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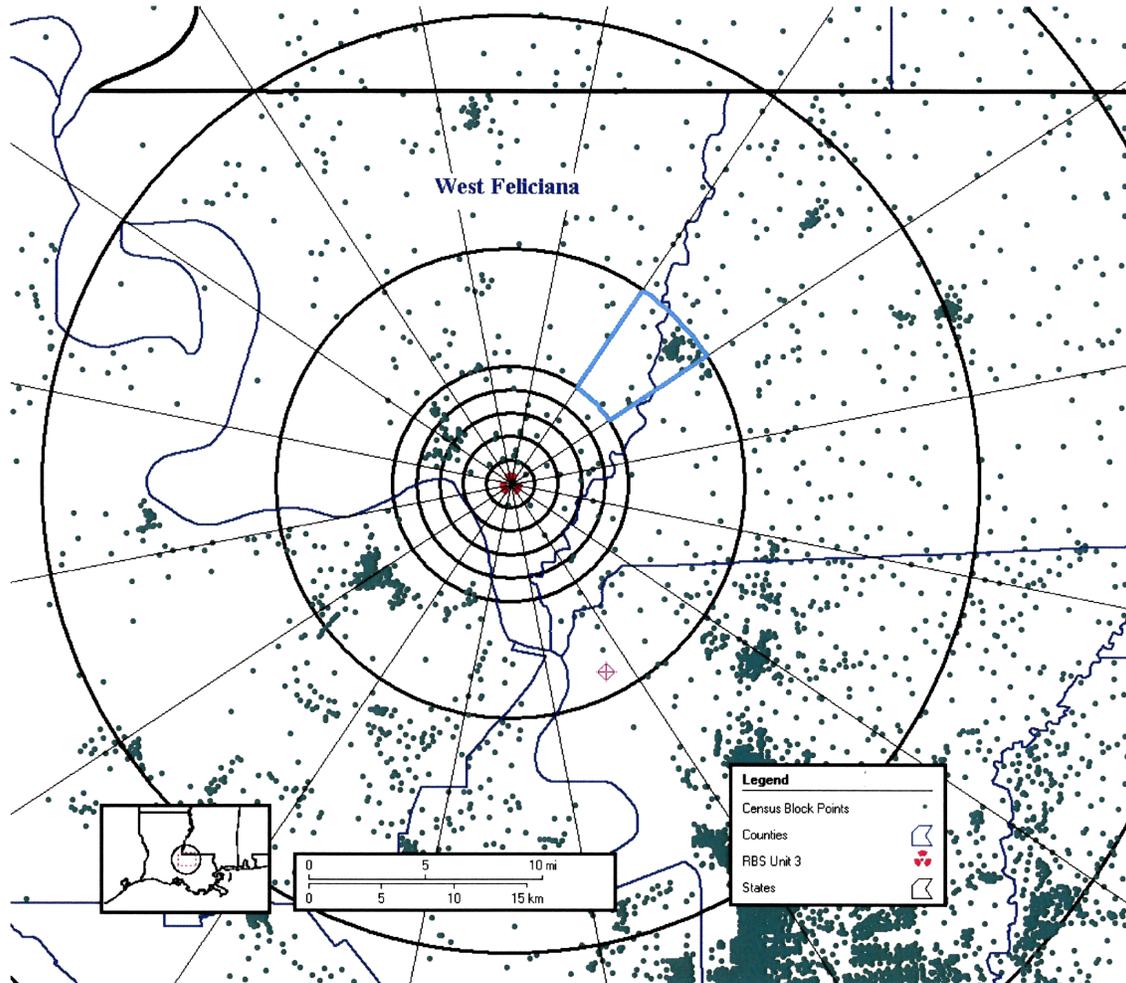


Figure 2.5-5. Census Block Points within Each Segment

Source: Reference 2.5-50.

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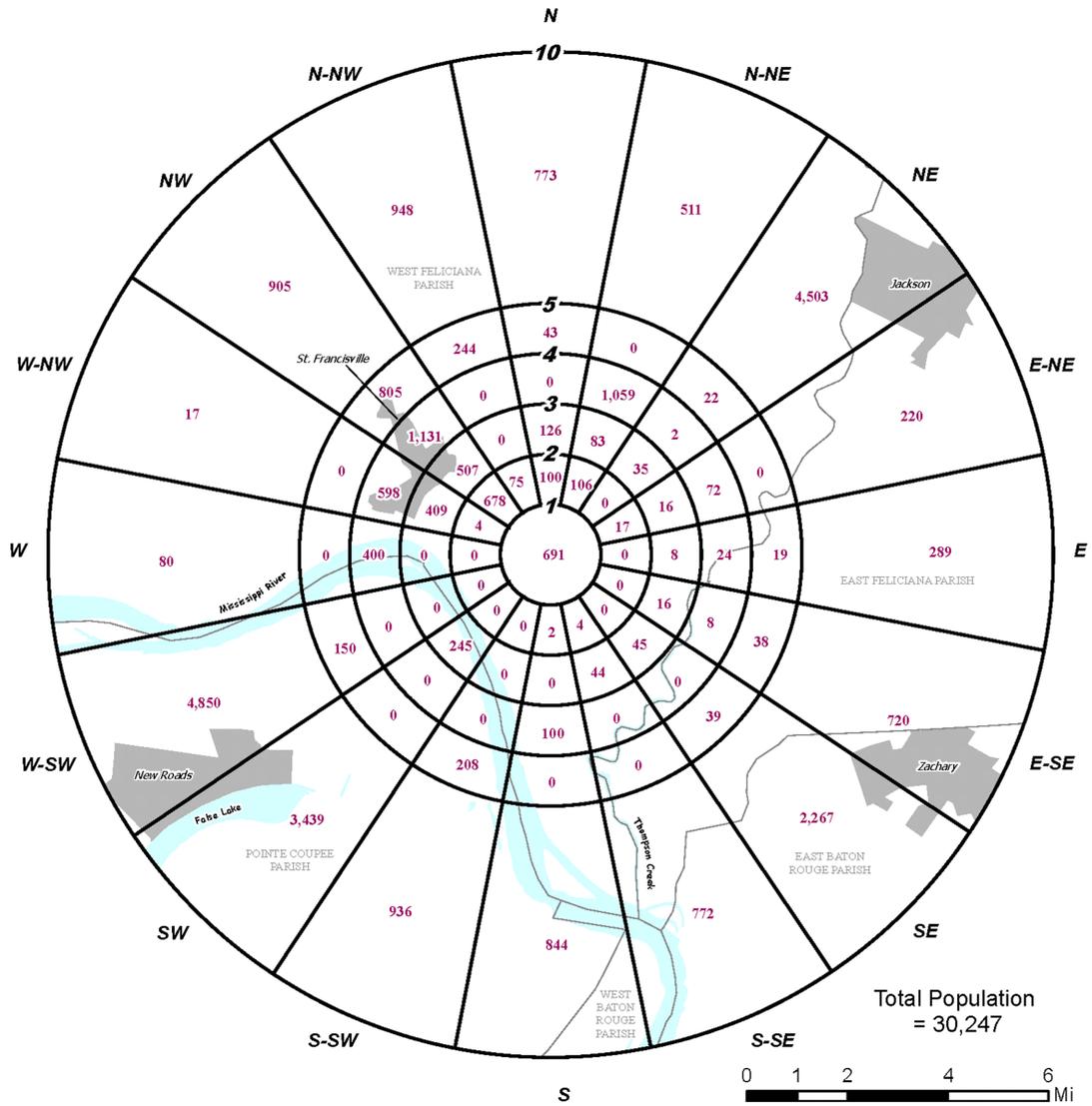


Figure 2.5-6. Resident and Transient Regional Segment Population Distribution 0 - 10 Mi. (Segmented Concentric Circles) from the Proposed RBS Unit 3 Power Block, 2000

Source: References 2.5-1 and 2.5-50.

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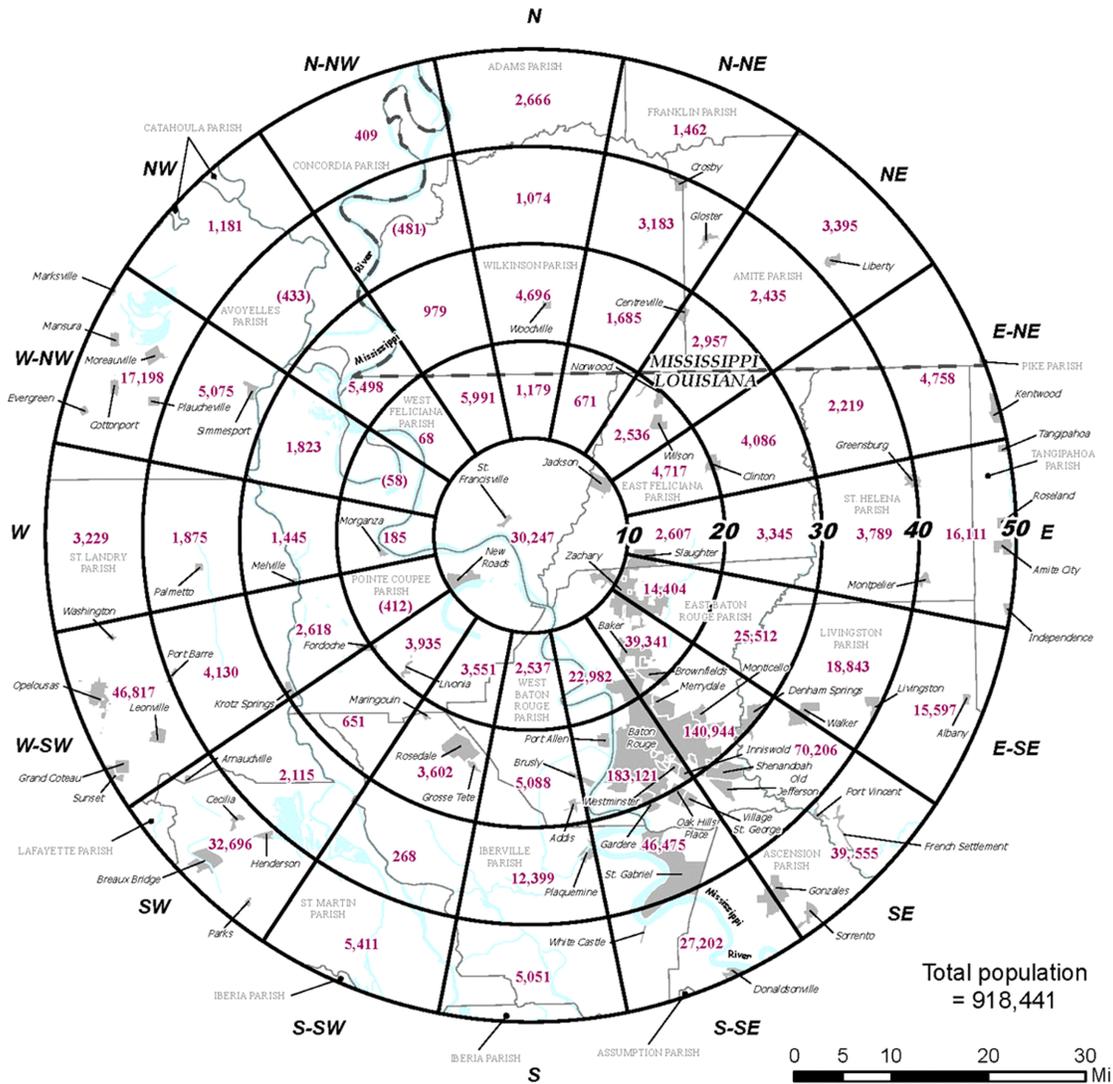


Figure 2.5-7. Resident and Transient Regional Segment Population Distribution 0 - 50 Mi. (Segmented Concentric Circles) from the Proposed RBS Unit 3 Power Block, 2000

Source: References 2.5-2, 2.5-3, 2.5-4, 2.5-5, 2.5-50, and 2.5-51.

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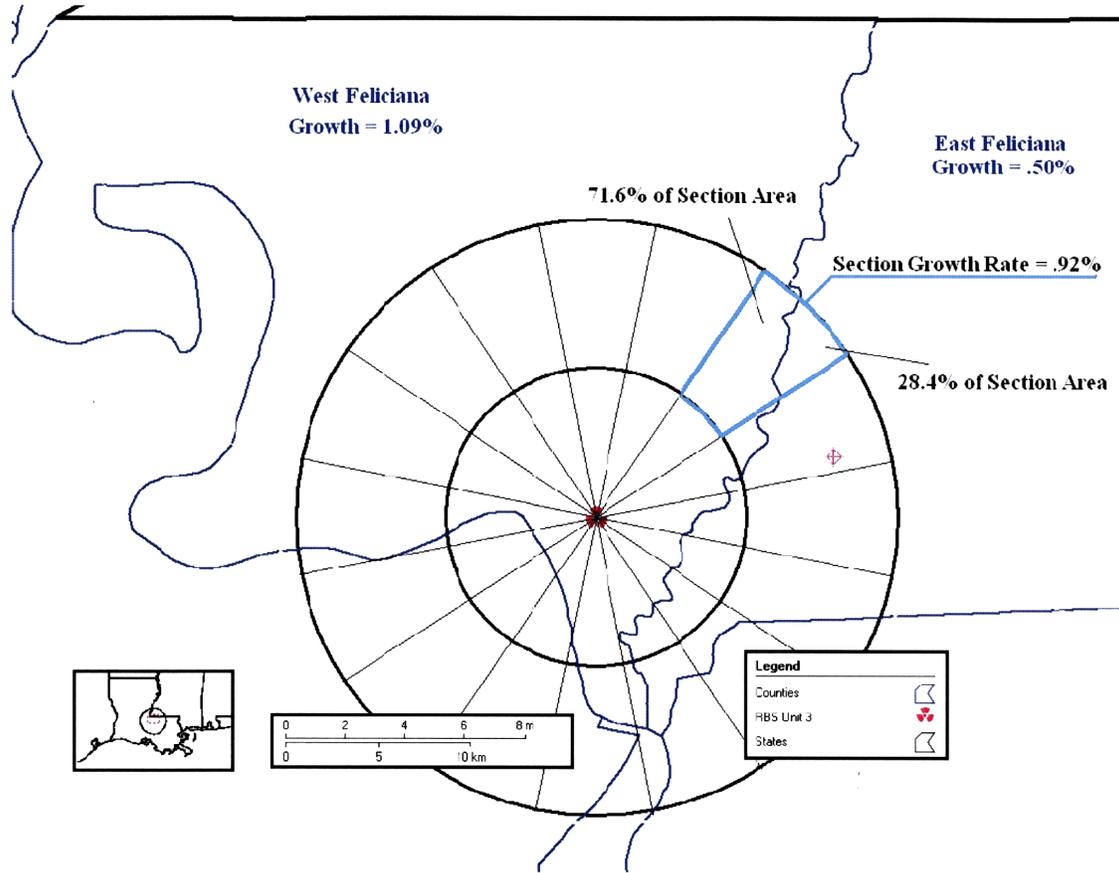


Figure 2.5-8. Example Sectional Population Growth Rate Calculation

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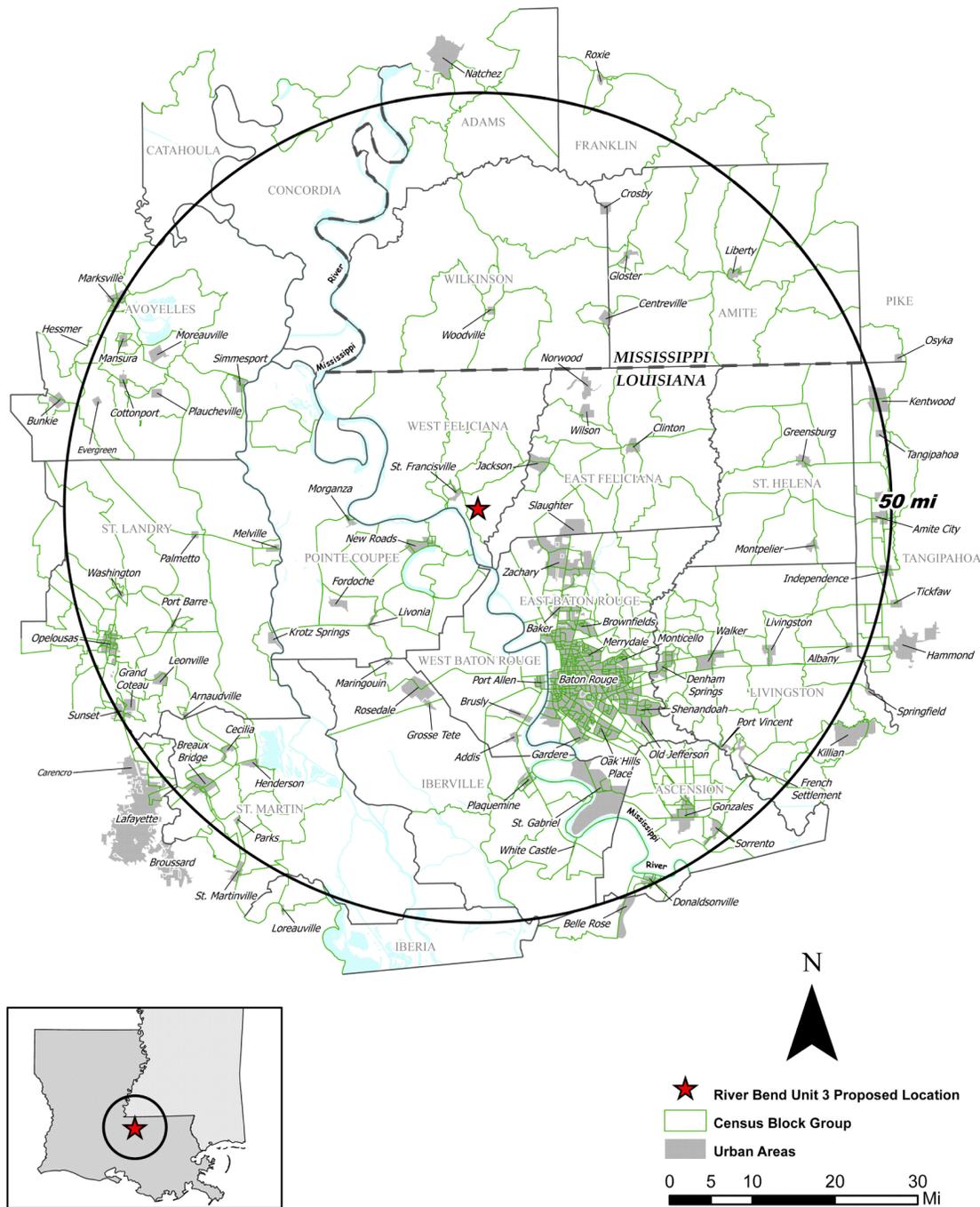


Figure 2.5-9. Regional Census Block Groups within a 50-Mi. Radius of the Proposed Unit 3 Power Block

Source: Reference 2.5-3.

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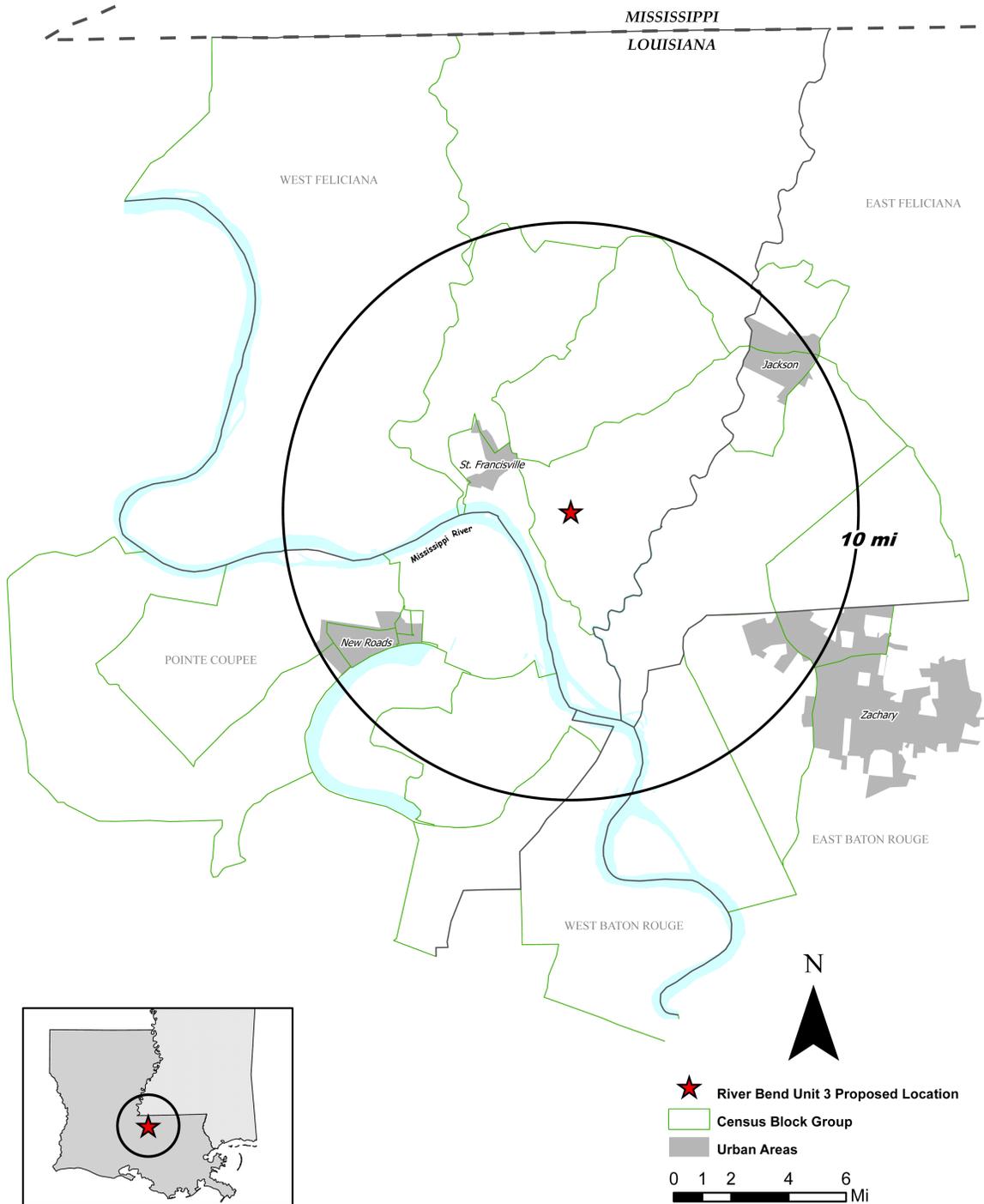


Figure 2.5-10. Census Block Groups within a 10-Mi. Radius of the Proposed Unit 3 Power Block (the EPZ Area)

Source: Reference 2.5-3.

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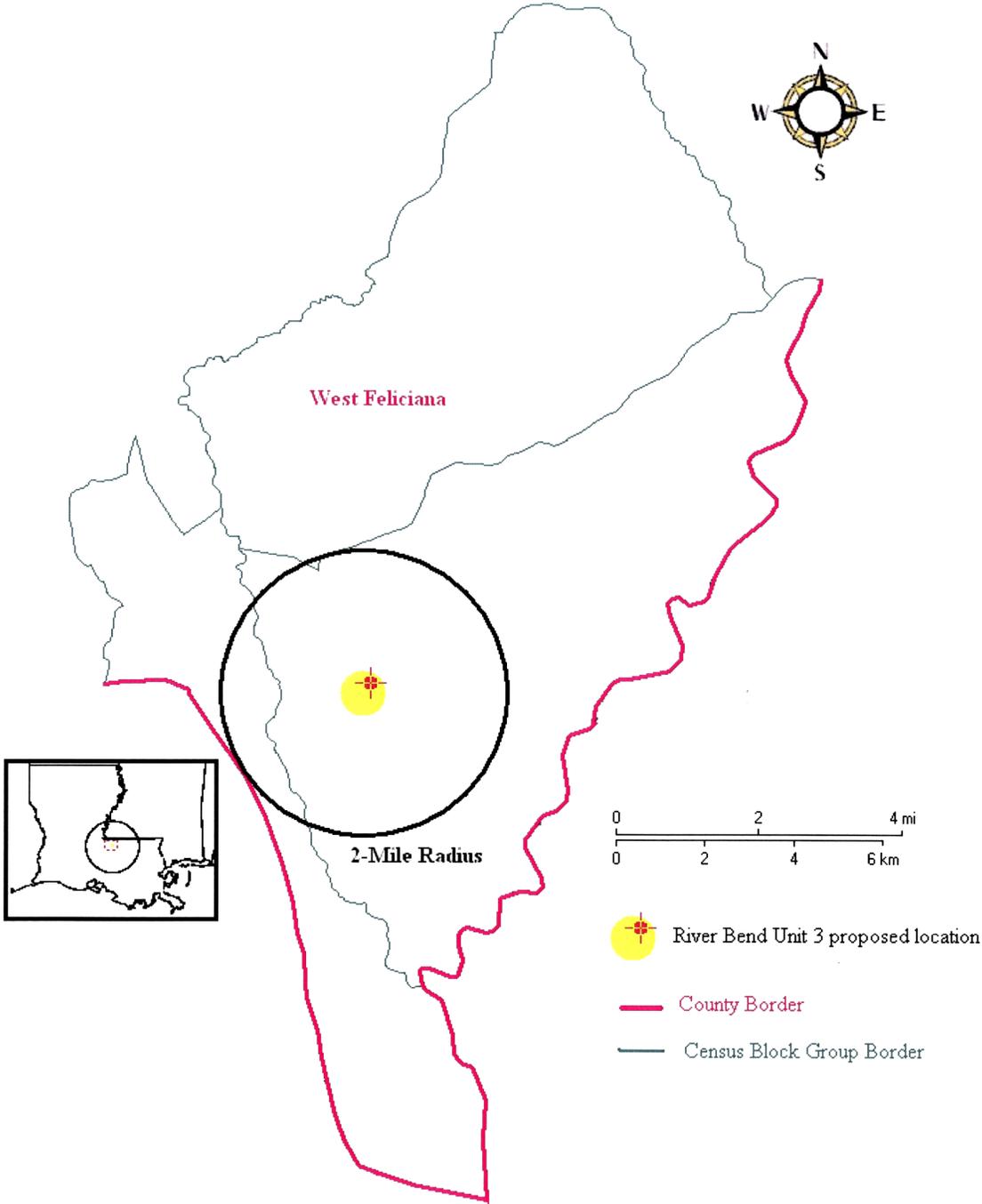
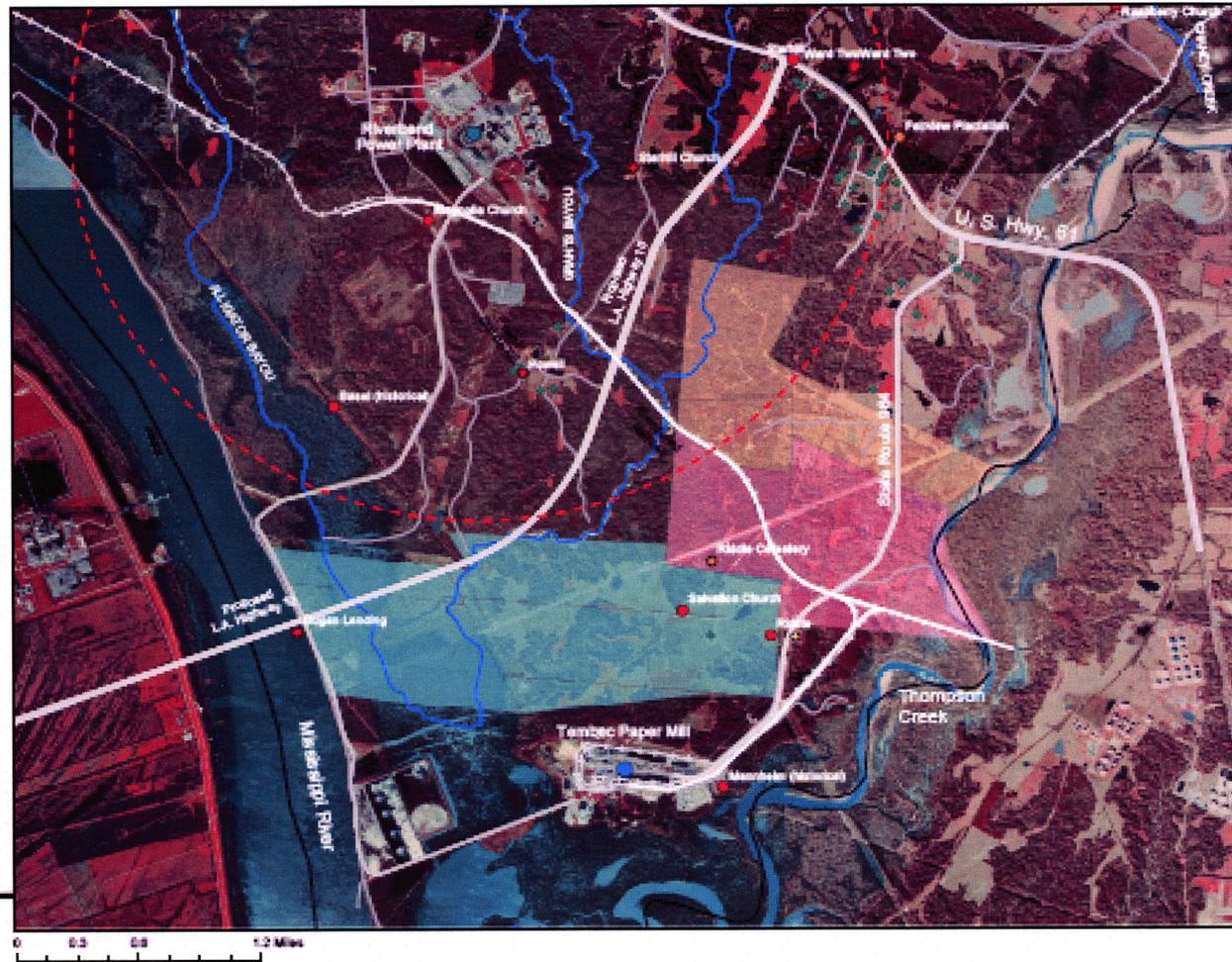


Figure 2.5-11. Census Block Groups that Make Up the Low Population Zone

Source: Reference 2.5-3.

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West Feliciana Parish
 Business Park
 Concept Plan:



- Legend**
- Pol. Fed. Credit Union
 - W. Par. Community Features
 - W. Par. Public Facilities
 - Building Residences
 - River Bend Power Plant
 - Tembec Paper Mill
 - Buffer of River Bend
- PROPERTY OWNERS**
- Rubin
 - Canal
 - Hanley

STB GROUP, LLC

Figure 2.5-12. Planned West Feliciana Parish Business Park Area

Source: Reference 2.5-124.

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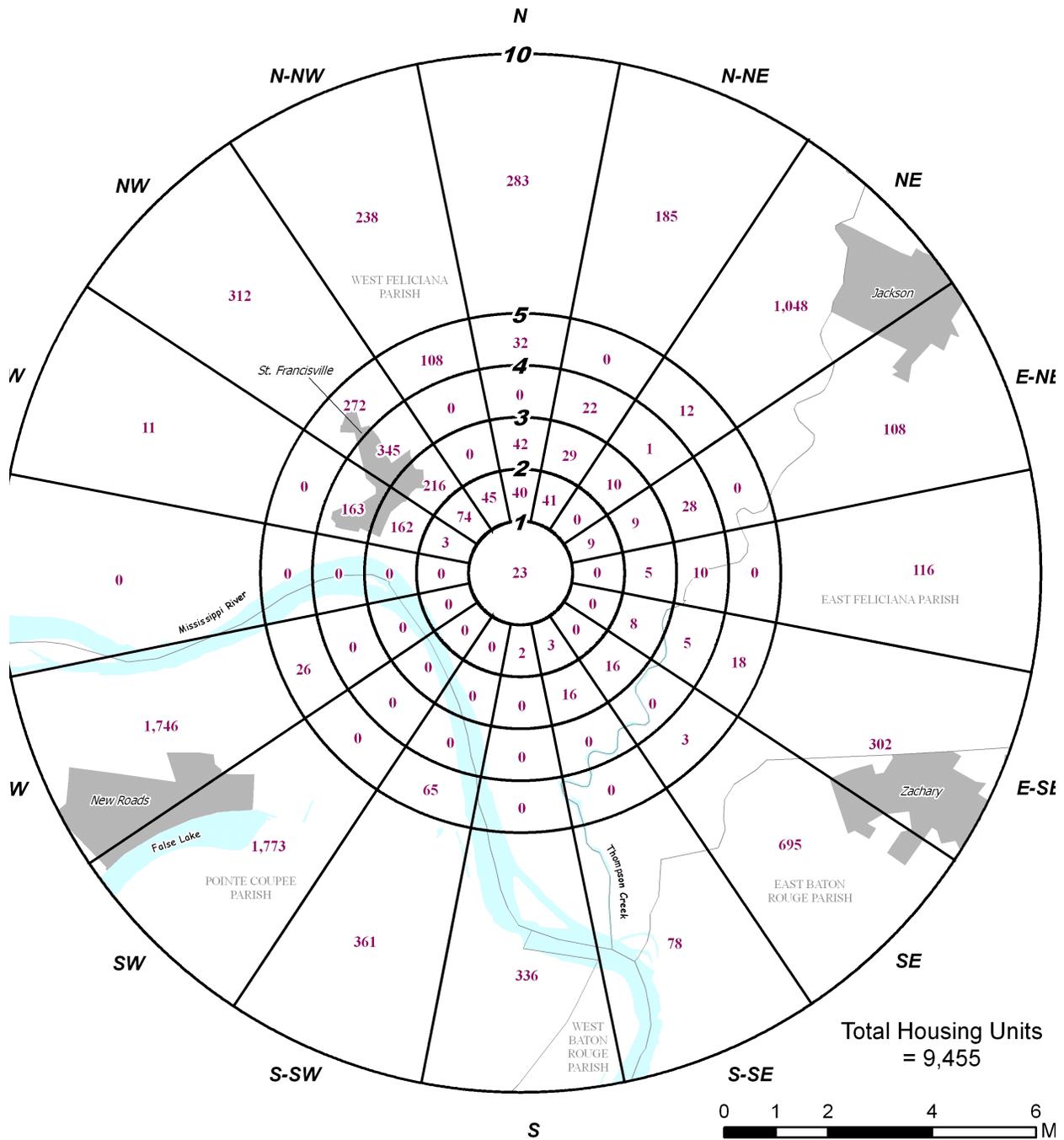
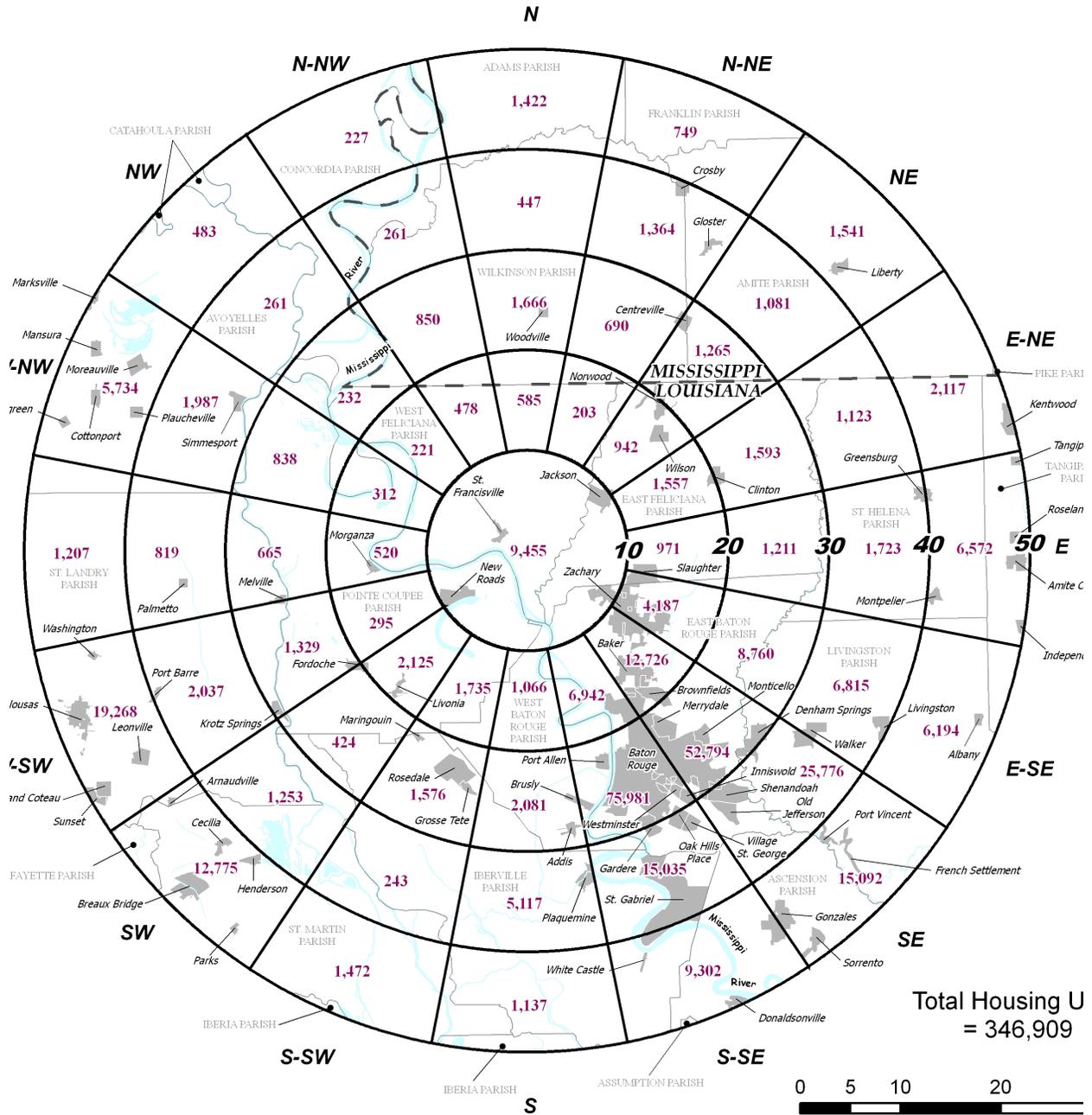


Figure 2.5-13. Housing Unit Distribution 0 - 10 Mi. (Segmented Concentric Circles) from the Proposed RBS Unit 3 Power Block, 2000

Source: Reference 2.5-50.

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**Figure 2.5-14. Housing Unit Distribution 0 - 50 Mi. (Segmented Concentric Circles)
from the Proposed RBS Unit 3 Power Block, 2000**

Source: Reference 2.5-50.

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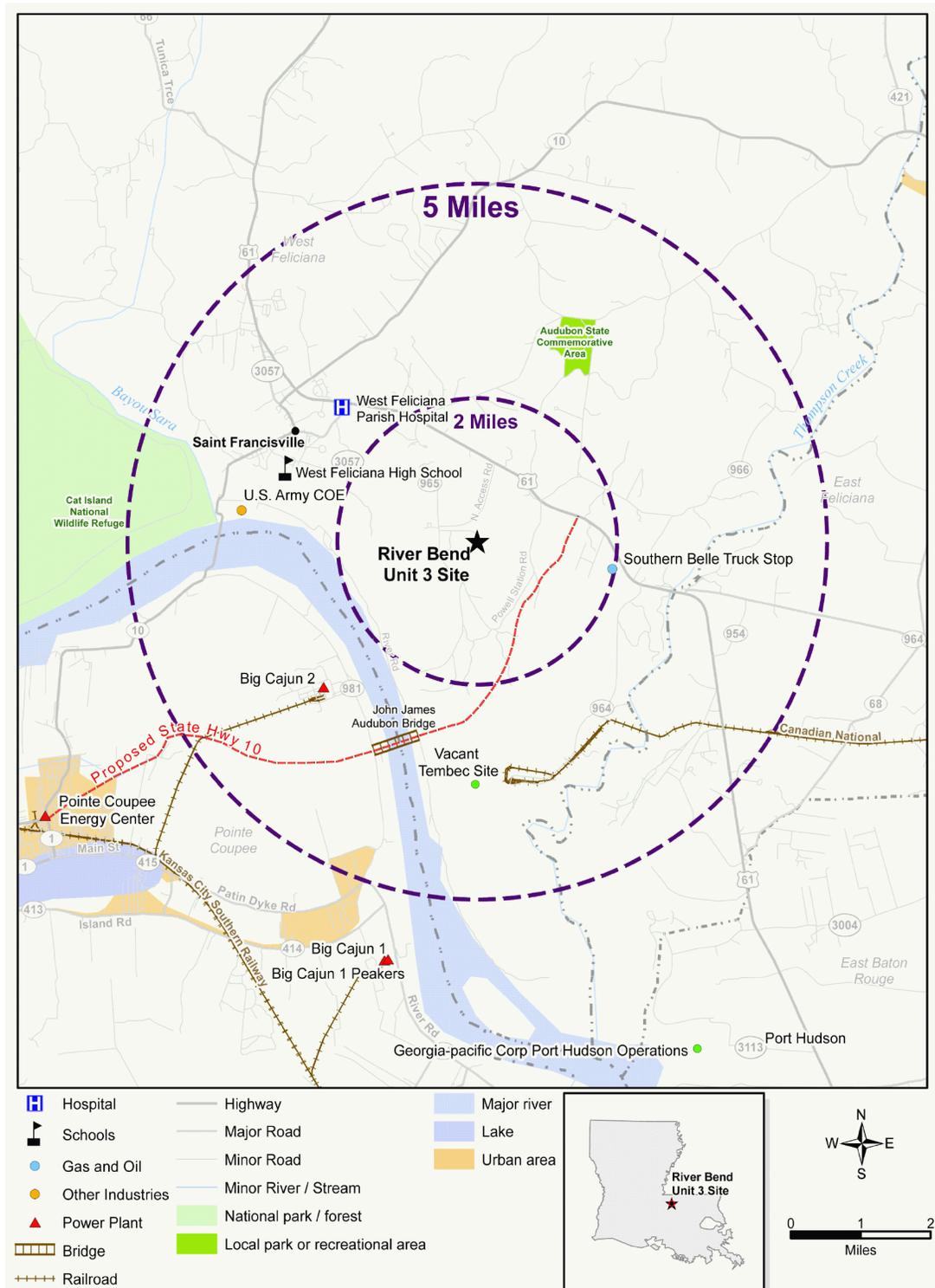


Figure 2.5-15. Area Transportation Network and Major Industrial Locations

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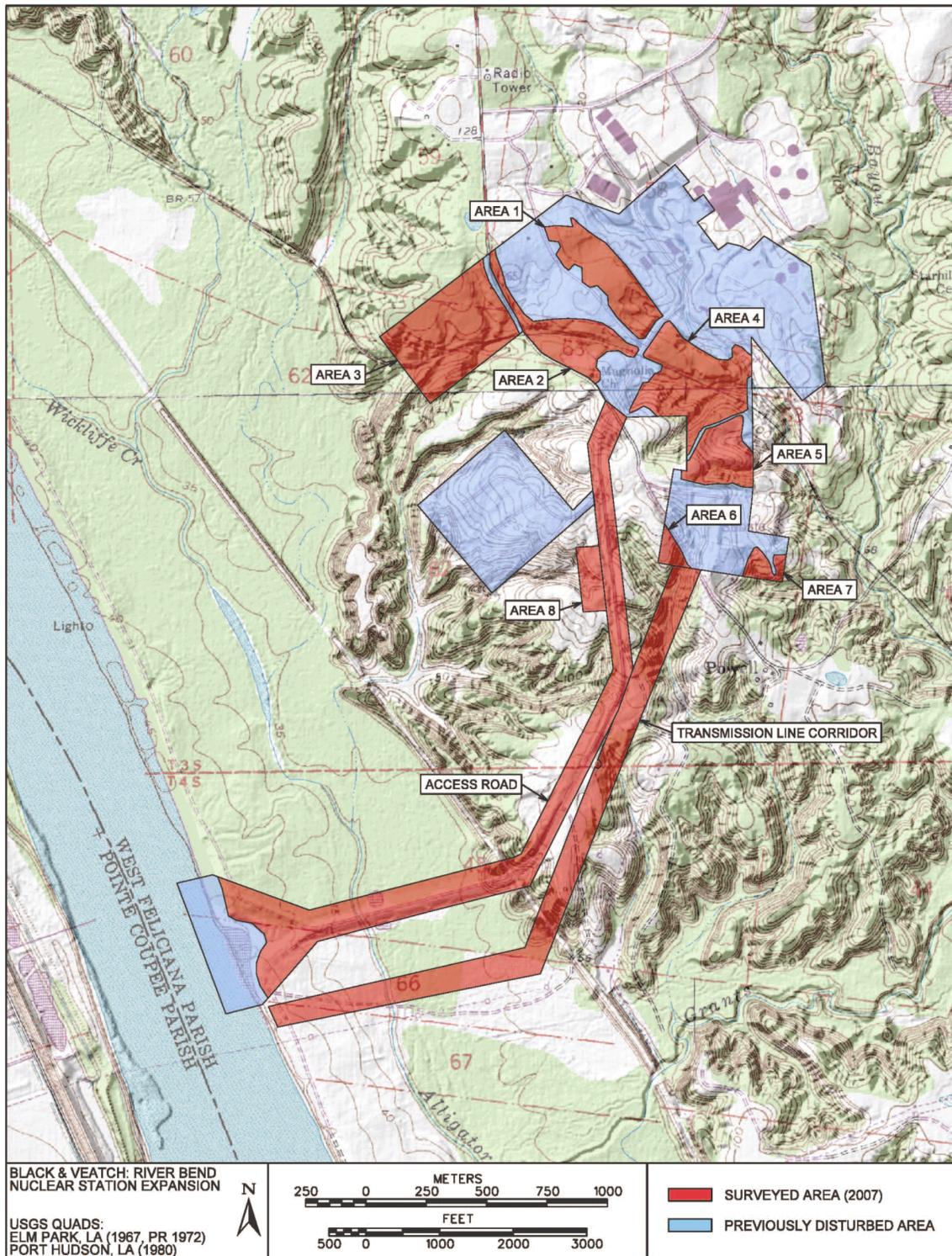


Figure 2.5-16. Areas Investigated During the 2007 Phase I Cultural Resources Survey of the Proposed RBS Expansion Footprint

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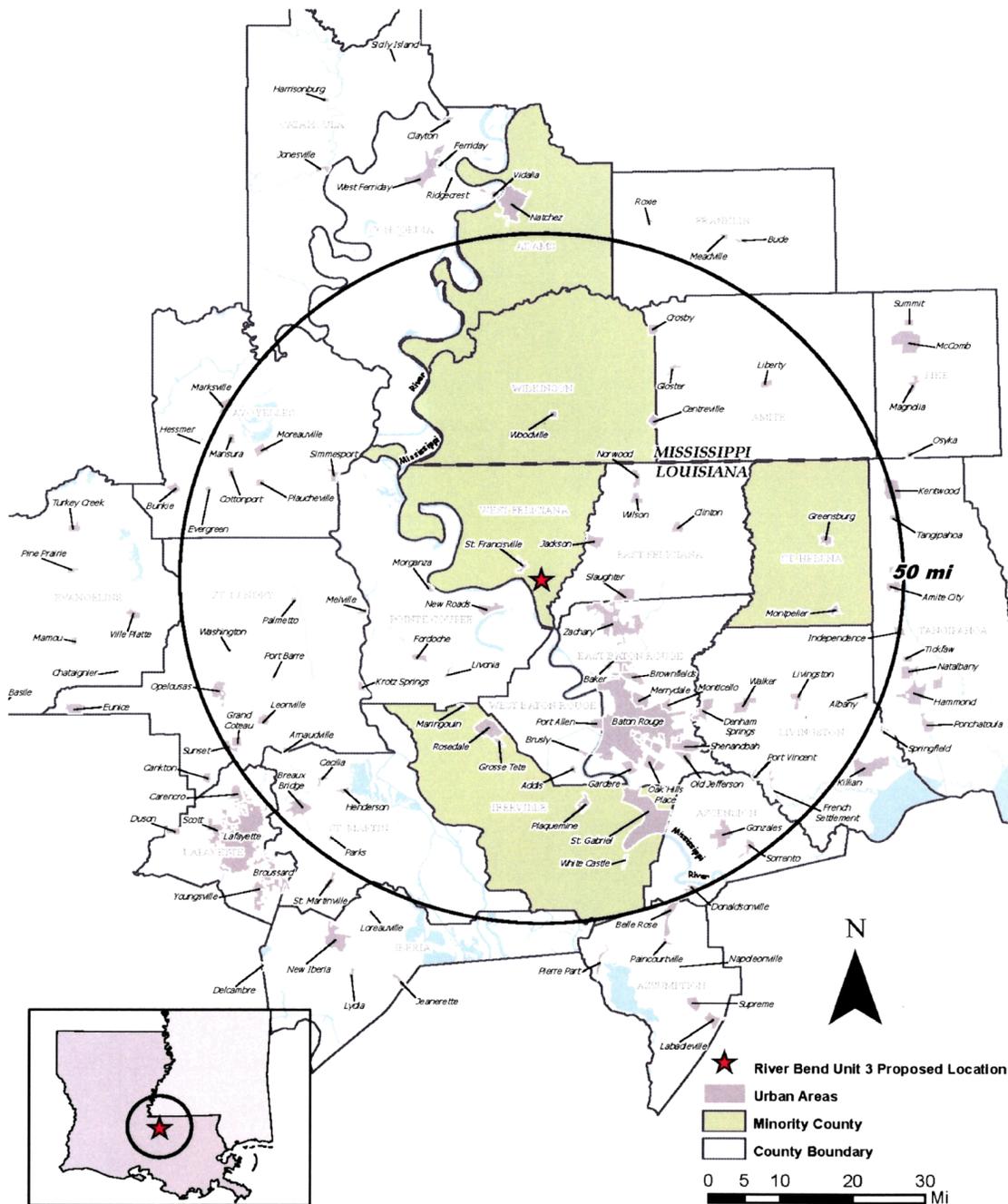


Figure 2.5-17. Regional Minority Parishes and Counties

Source: Reference 2.5-49.

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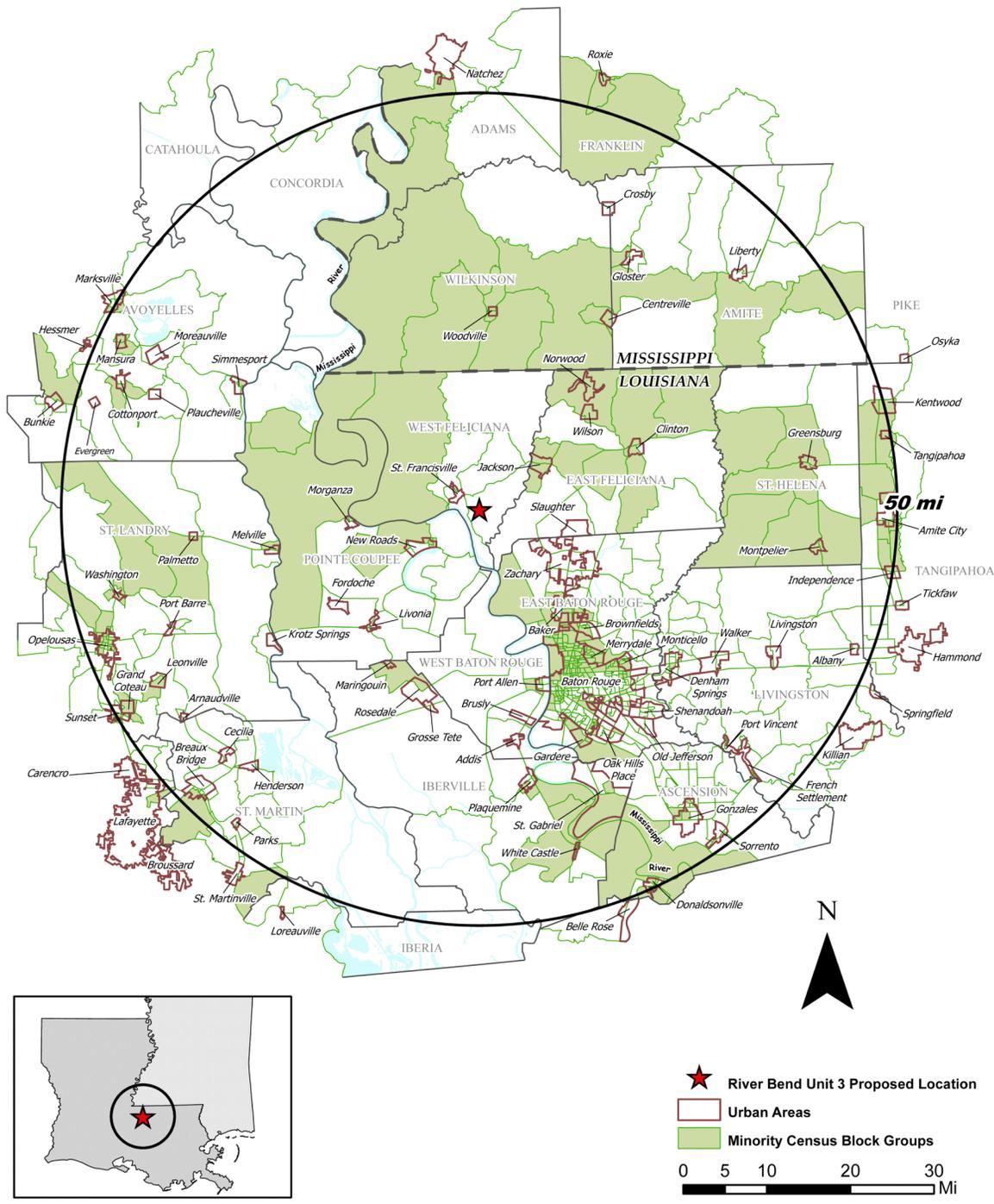


Figure 2.5-18. Regional Minority Census Block Groups

Source: Reference 2.5-3.

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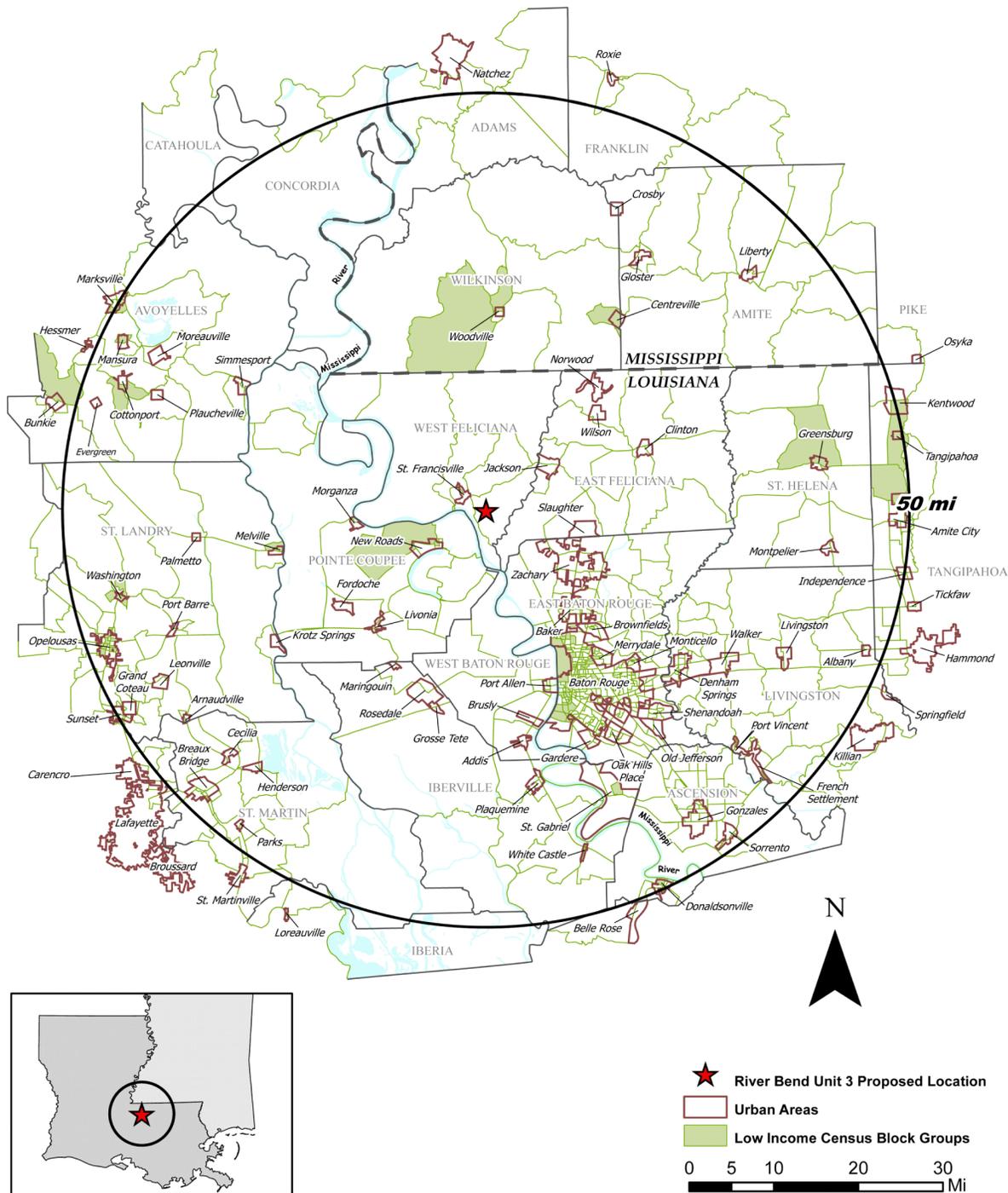


Figure 2.5-19. Regional Low-Income Census Block Groups

Source: Reference 2.5-3.

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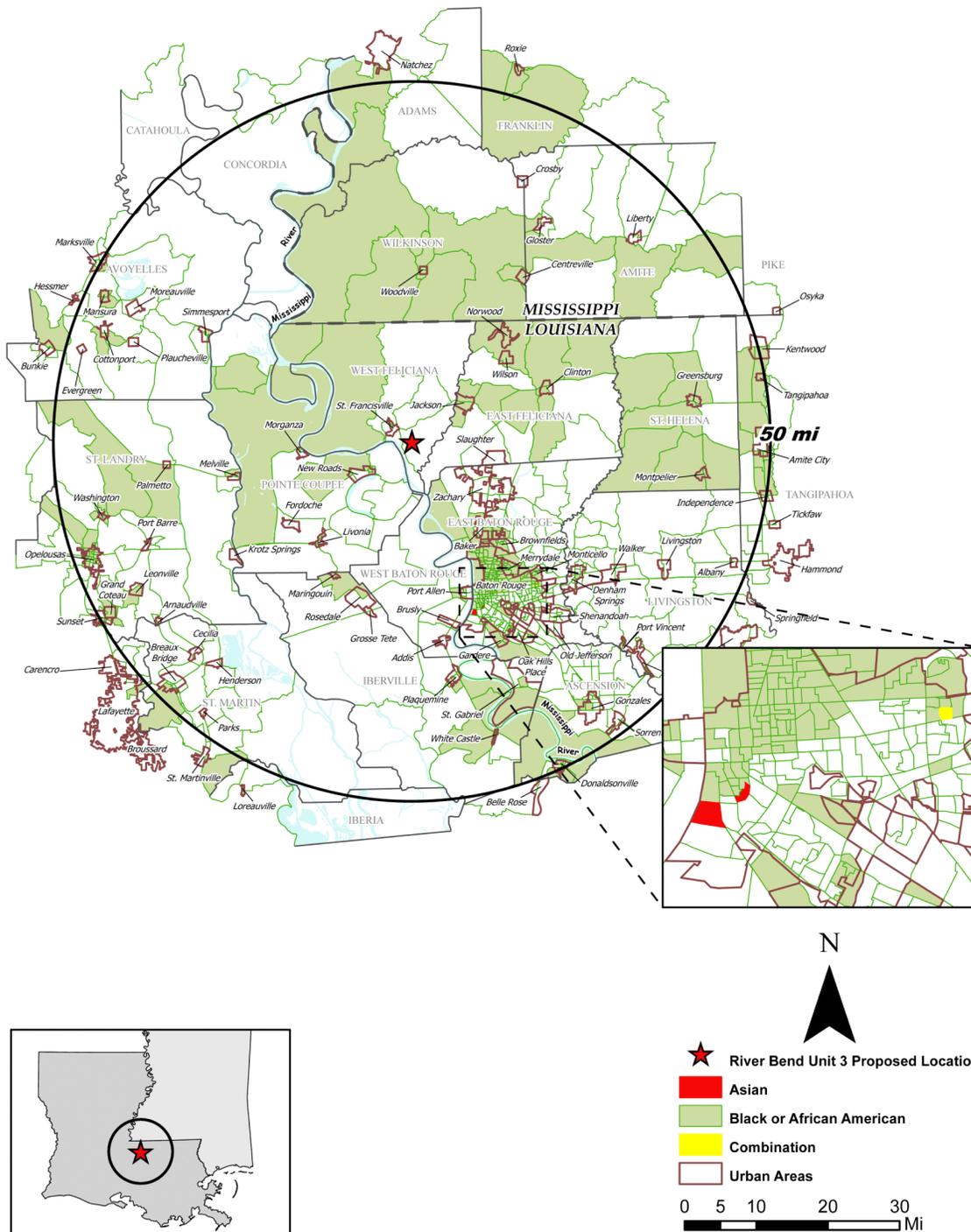


Figure 2.5-20. Regional Minority Census Block Groups Identified by Qualifying Race

Source: Reference 2.5-3.

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Figure 2.5-21. RBS Unit 1 Noise-Sensitive Receptors
(Adapted from Figure 5.22 of Reference 2.5-48.)