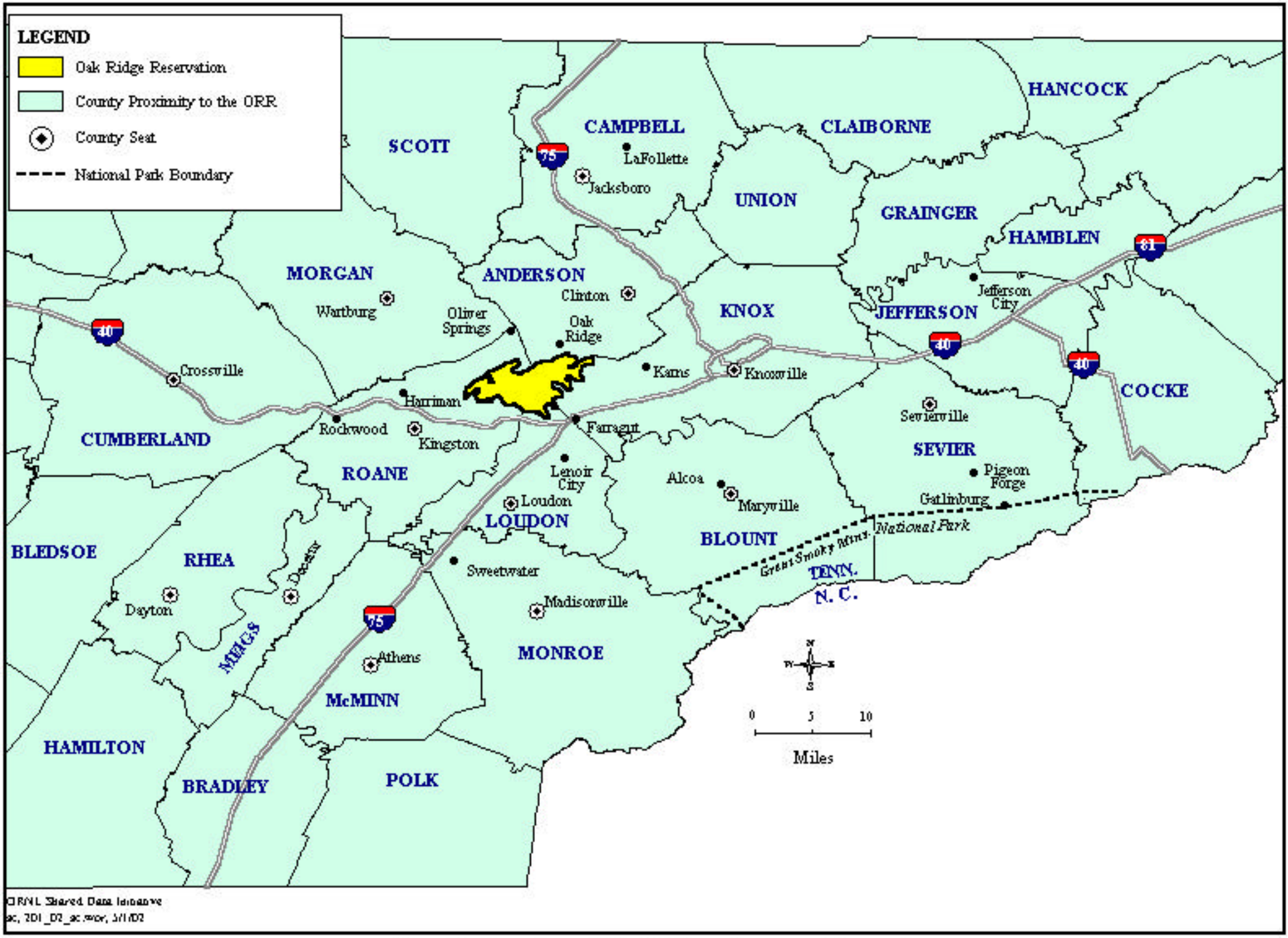

Fig. 2.1. Location of the ORR and surrounding region.

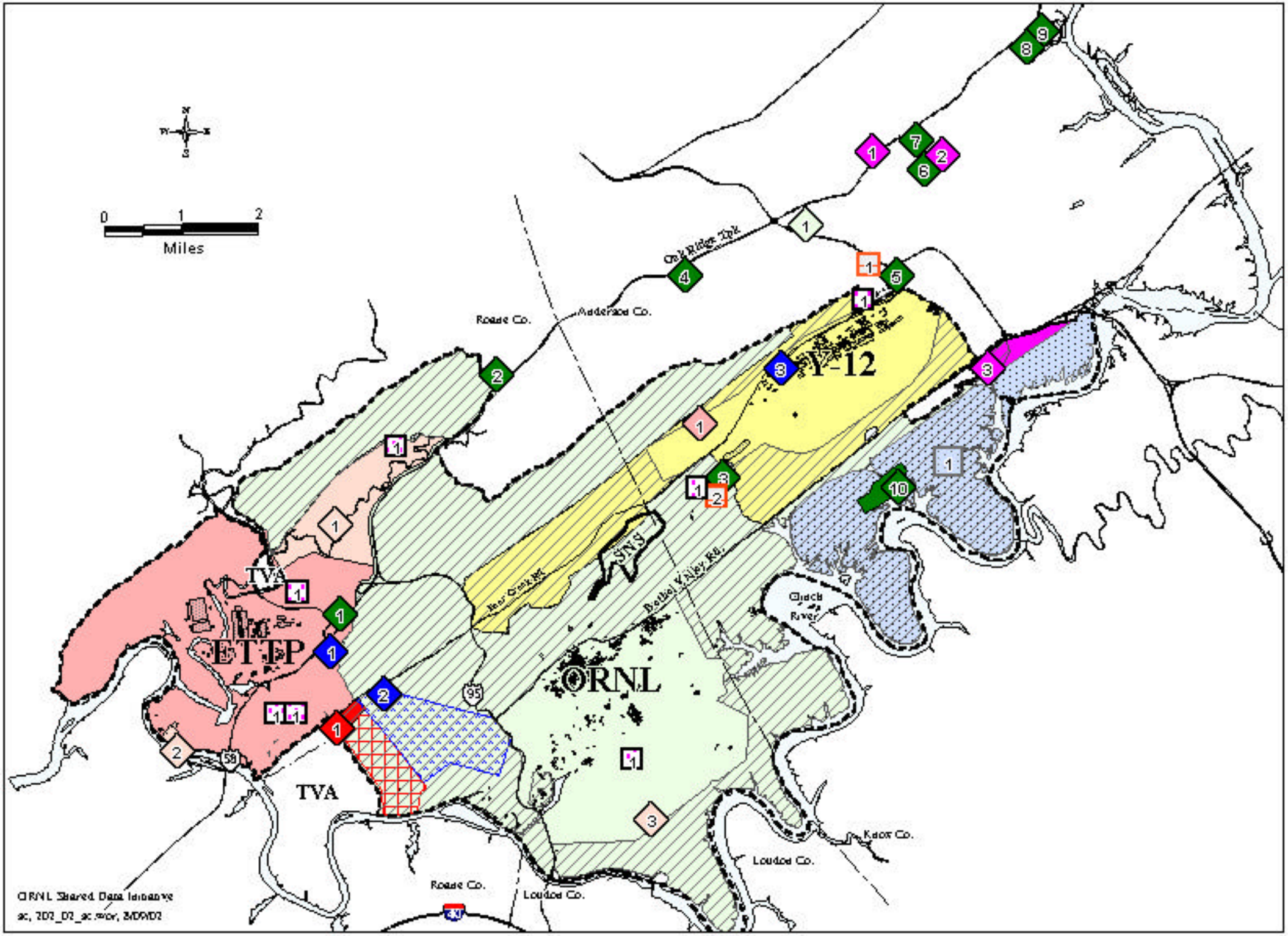

Fig. 2.2. Geographic areas of responsibility.

LEGEND

GEOGRAPHIC AREAS OF RESPONSIBILITY WITHIN THE U.S. DOE OAK RIDGE RESERVATION

- National Nuclear Security Administration (approximately 5,239 acres)
- Office of Science (approximately 17,887 acres)
- Environmental Management (approximately 5,942 acres)
  - 1 Environmental Management Waste Management Facility
- Community Reuse Organization of East Tennessee
  - 1 ED-1/Horizon Center (approximately 950 acres)
  - 2 ED-2
  - 3 BioNeutrics, Inc.

OTHER AREAS OF RESPONSIBILITY WITHIN AND OUTSIDE THE U.S. DOE OAK RIDGE RESERVATION

DOE (approximately 1,600 acres)

1. George Jones Memorial Church
2. Turnpike Checking Station (Gatehouse)
3. Chestnut Ridge Telecommunications Site
4. 55 Jefferson
5. Midway Checking Station (Scarboro Gatehouse)
6. 2714H, 2714J
7. Federal Office Building
8. 1916T-2
9. 1916T-1 (OSTI)
10. Clark Center Park

ORAU (approximately 247 acres)

1. Medical Research Facility
2. 2714F, 2714G, 2715
3. ORISE Scarboro Operations Site

TSD (DOE Albuquerque Operations Office)

1. Maintenance Facility
2. Firing Range
- Surface Danger Zone (Transportation and Safeguards Division)
3. Office and Storage Facility

NOAA

1. ATDD-NOAA
2. NOAA Meteorological Tower

ORNL

1. American Museum of Science and Energy
2. National Transportation Research Center (NTRC)

Wackenhut Services, Inc

1. Central Training Facility
- Surface Danger Zone (Central Training Facility)

Other

1. Mobile Service Sites

TWRA (approximately 3,000 acres)

1. Three Bend Scenic and Wildlife Refuge Area

National Environmental Research Park

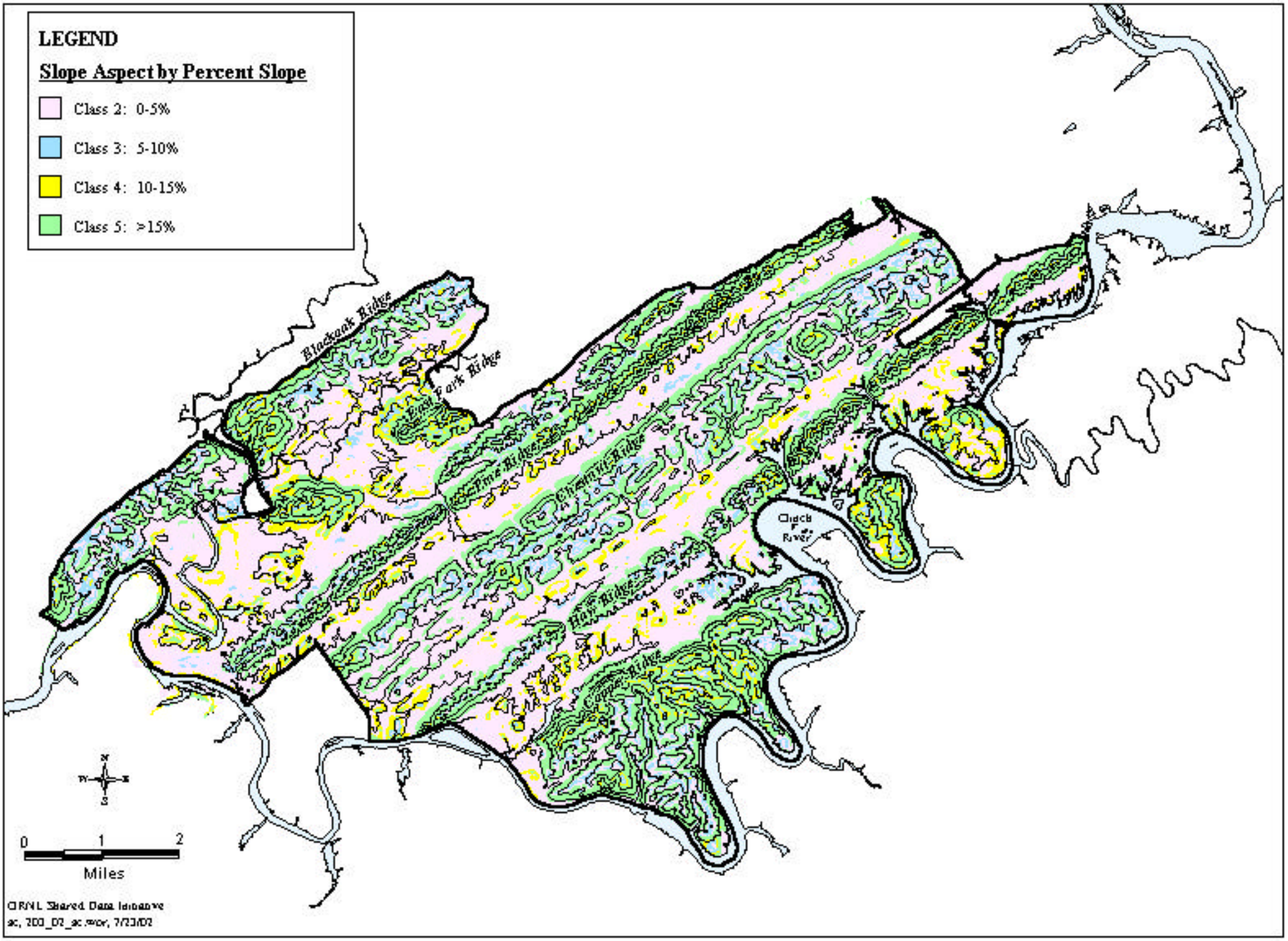

Fig. 2.3. Topography with slope.

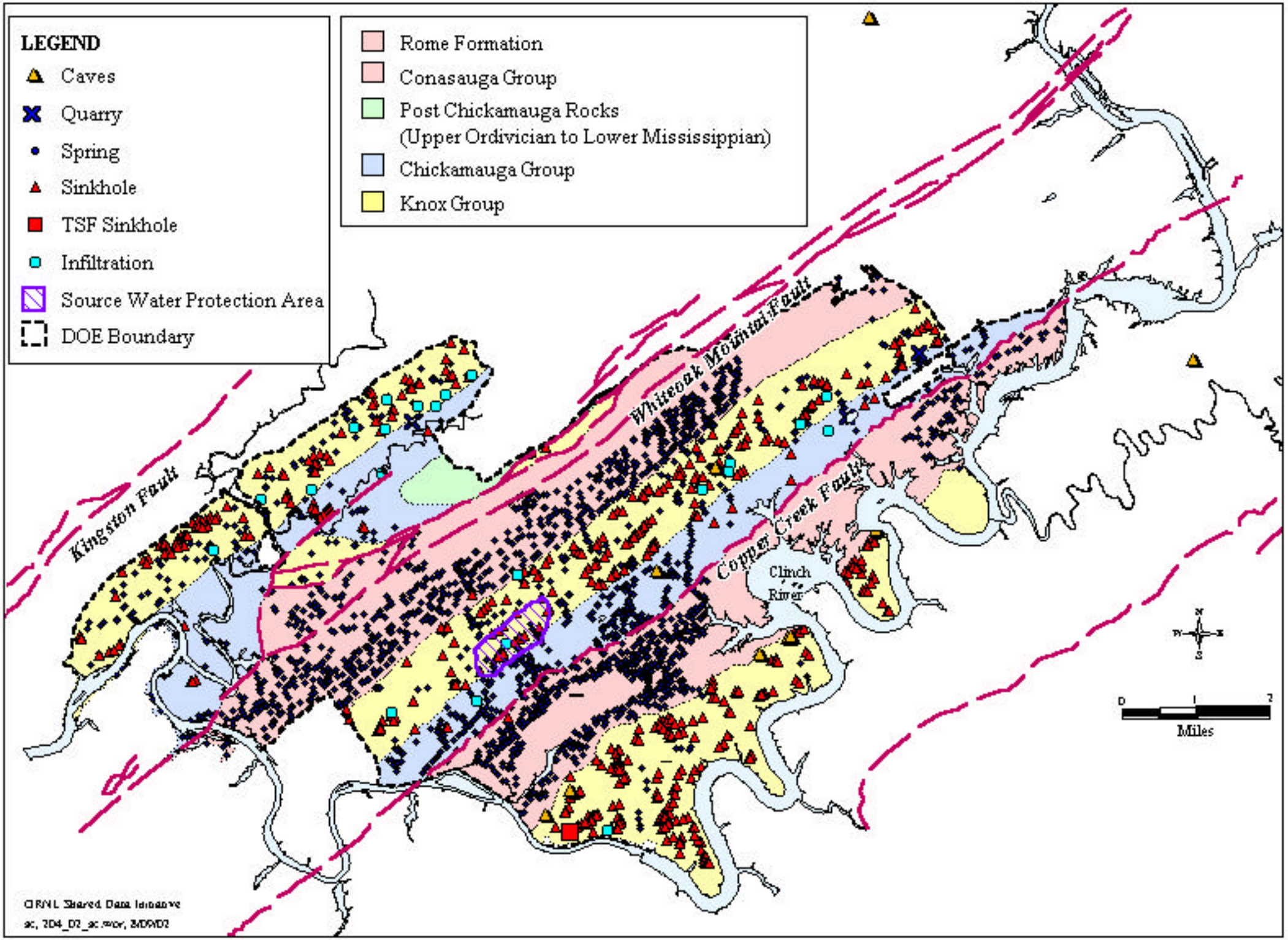

Fig 2.4. Geology with springs and karst features.

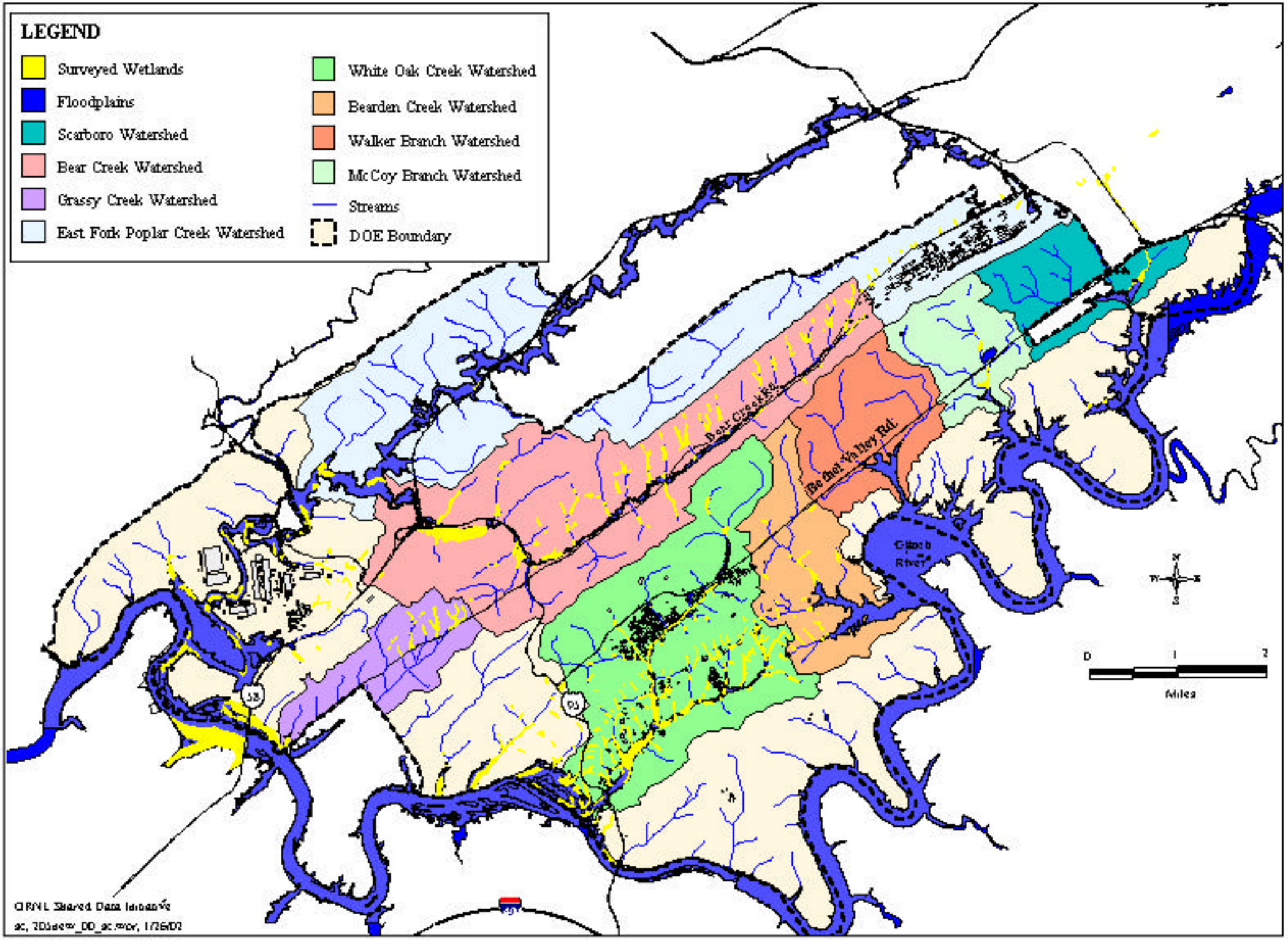

Fig. 2.5. Water, wetlands, floodplains, and watersheds.

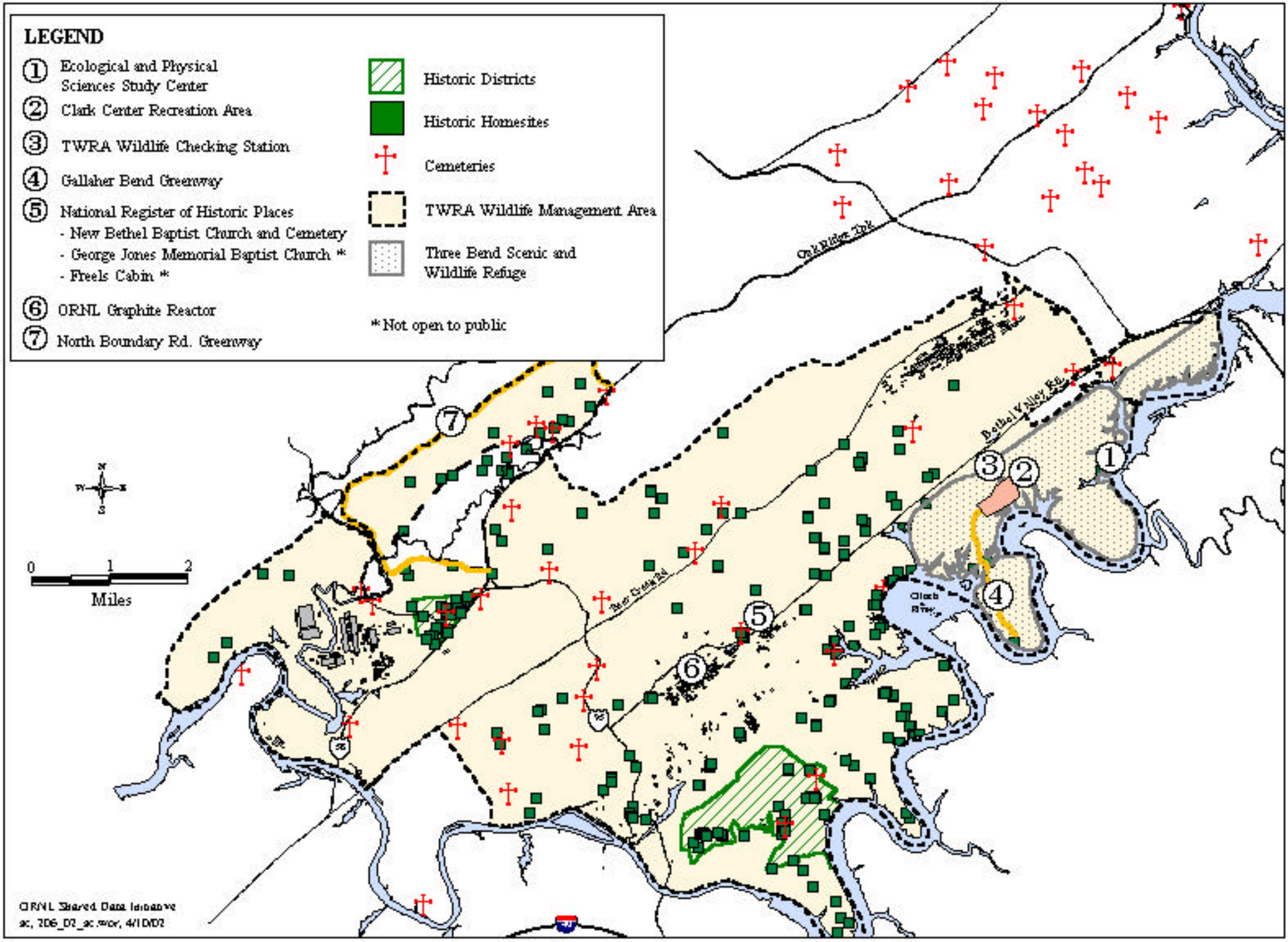

Fig. 2.6. Public, educational, and recreational opportunities.

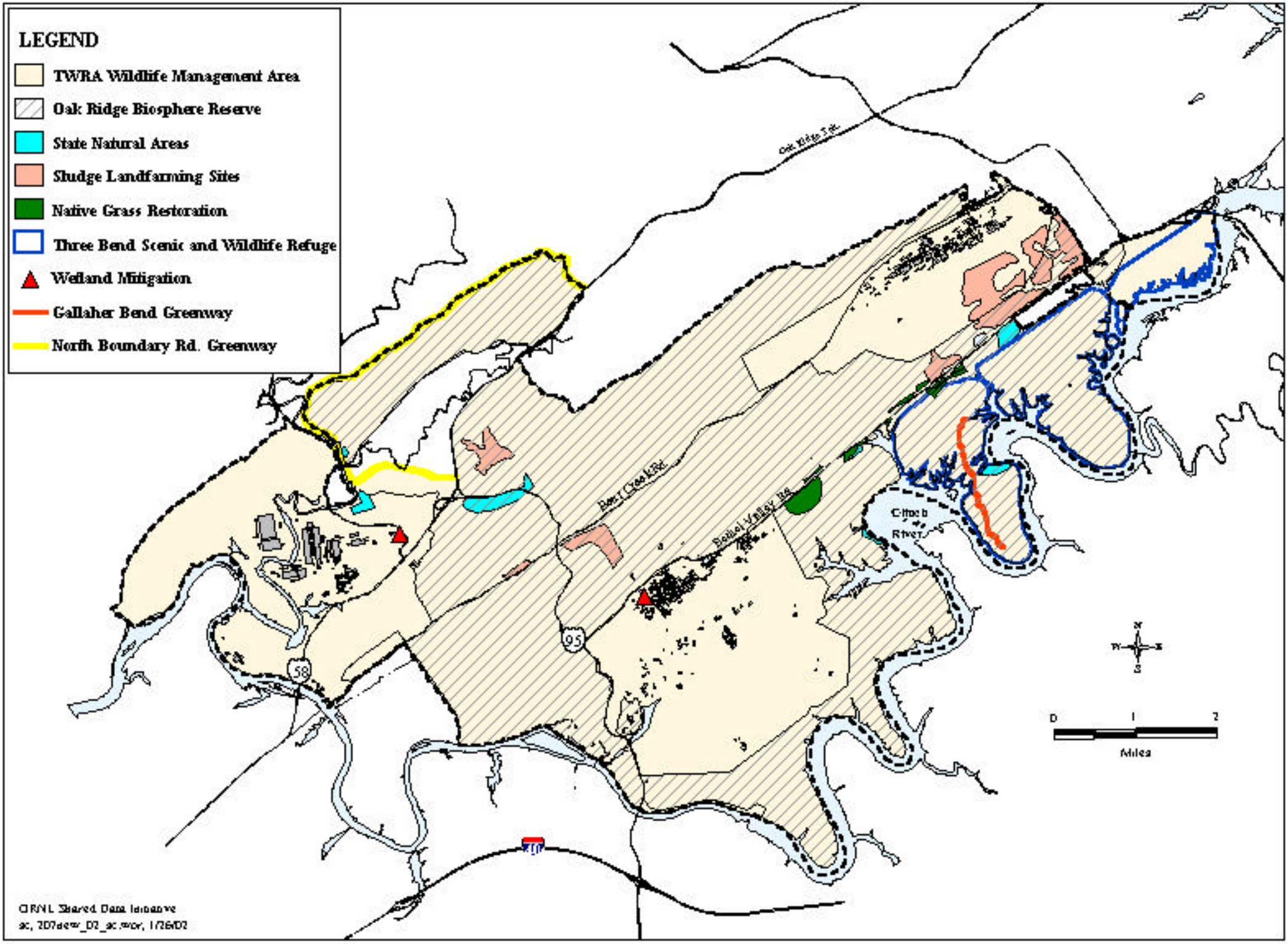

Fig. 2.7. Partnership areas.

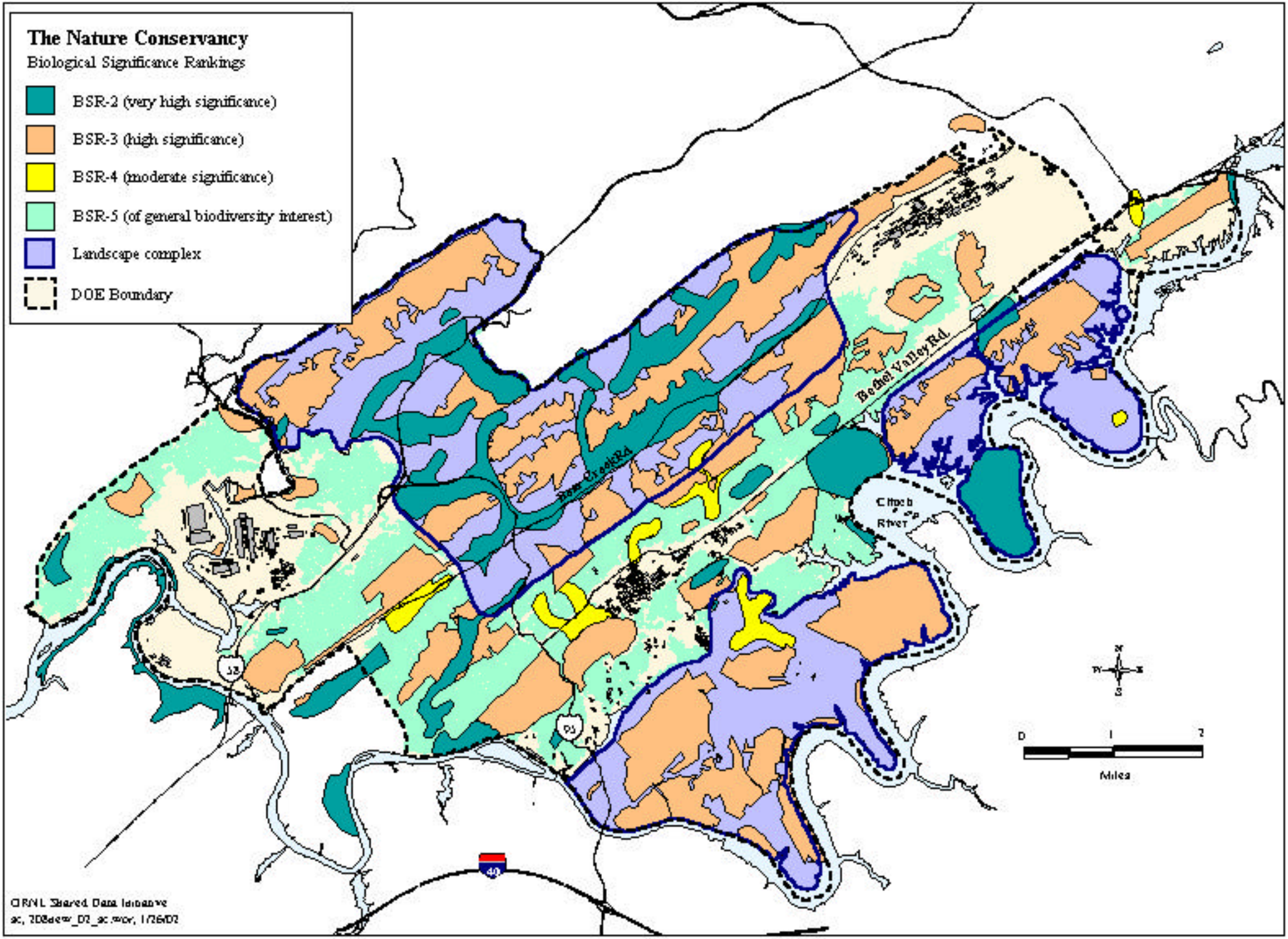

Fig. 2.8. The Nature Conservancy biodiversity rankings and landscape complexes.

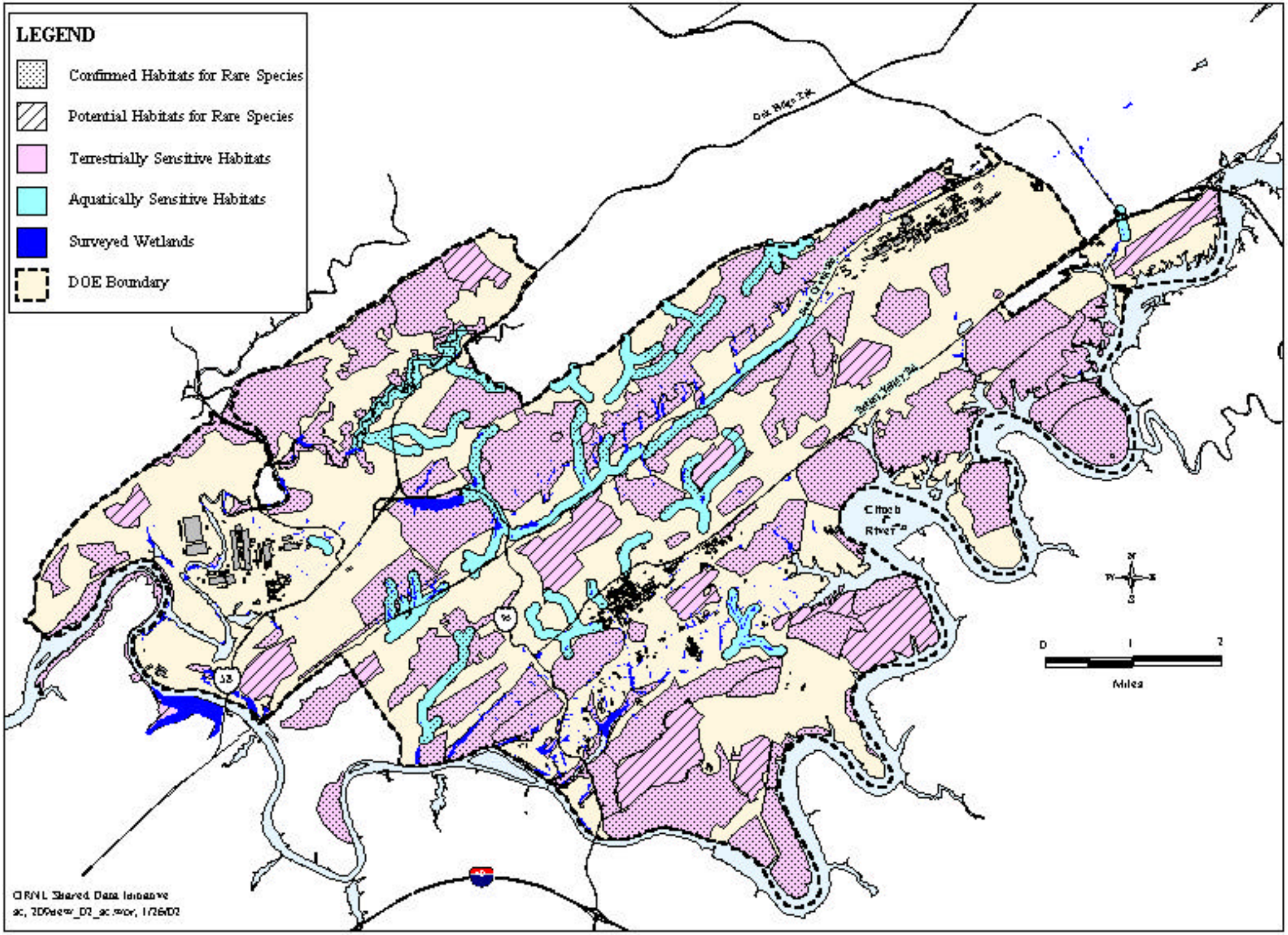

Fig. 2.9. Research park confirmed and potential habitats for rare species.

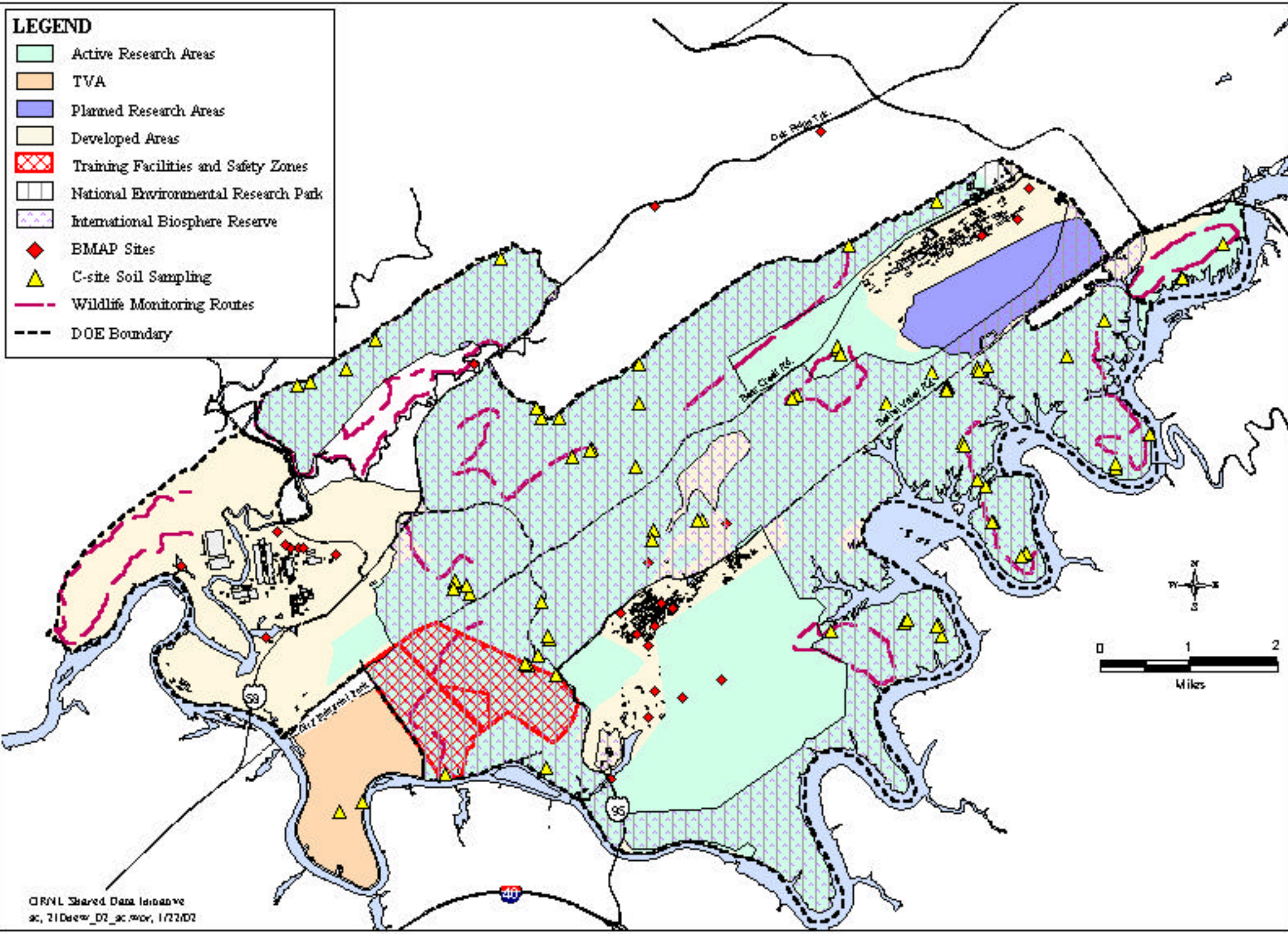

Fig. 2.10. Use of DOE land for research.

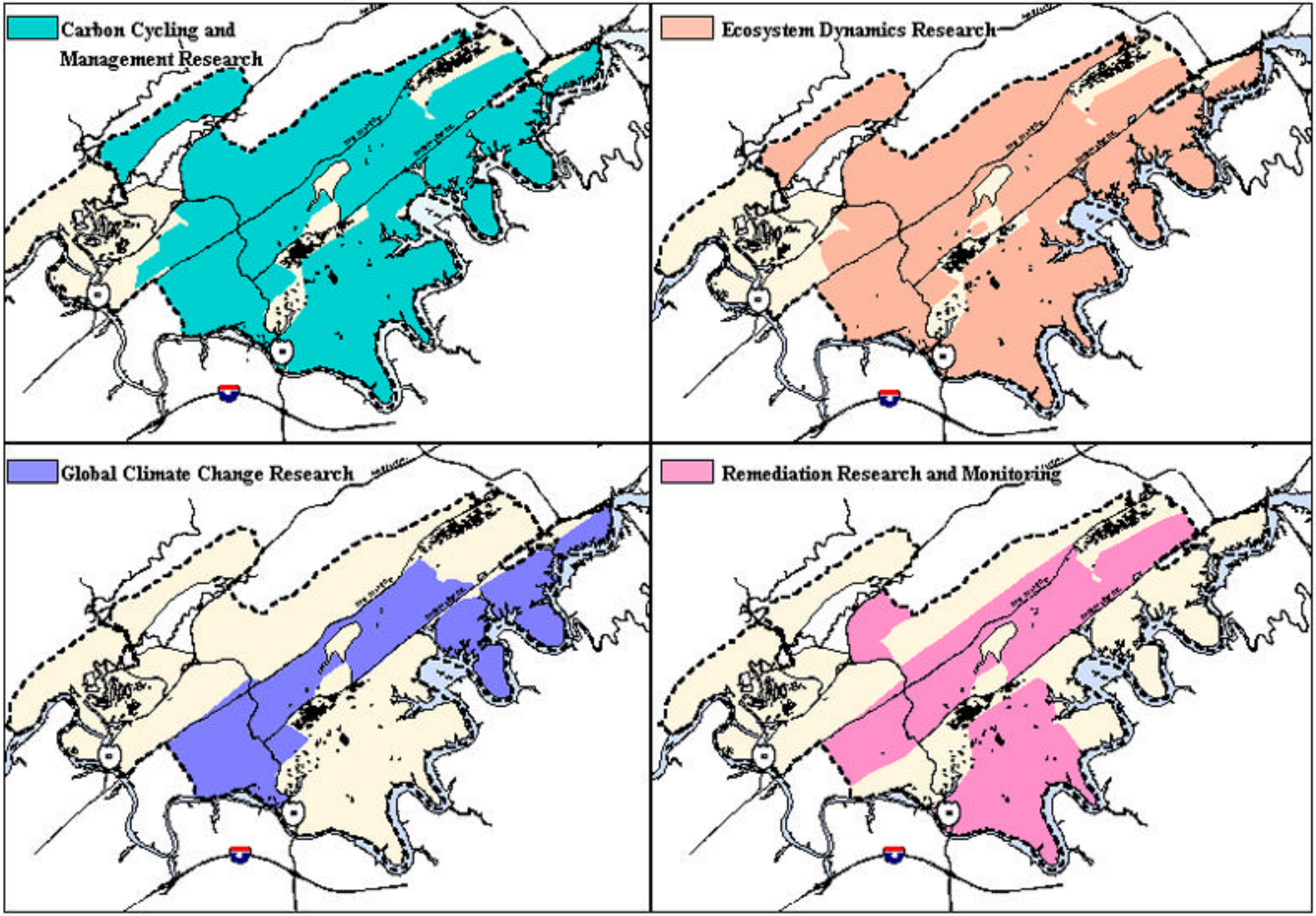

Fig. 2.11. Use of DOE land for specific types of research.

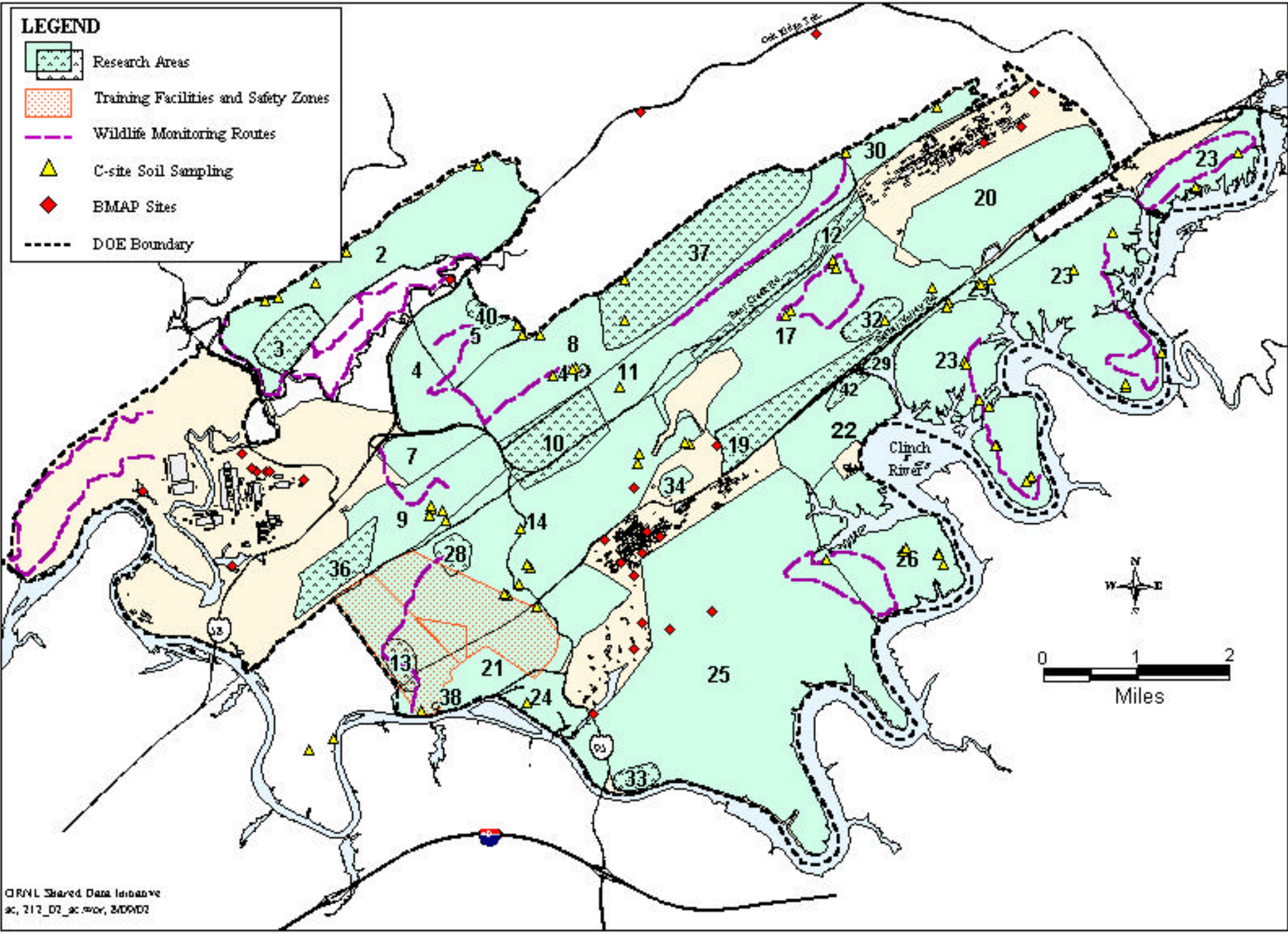

Fig. 2.12. Description of ORR research uses.

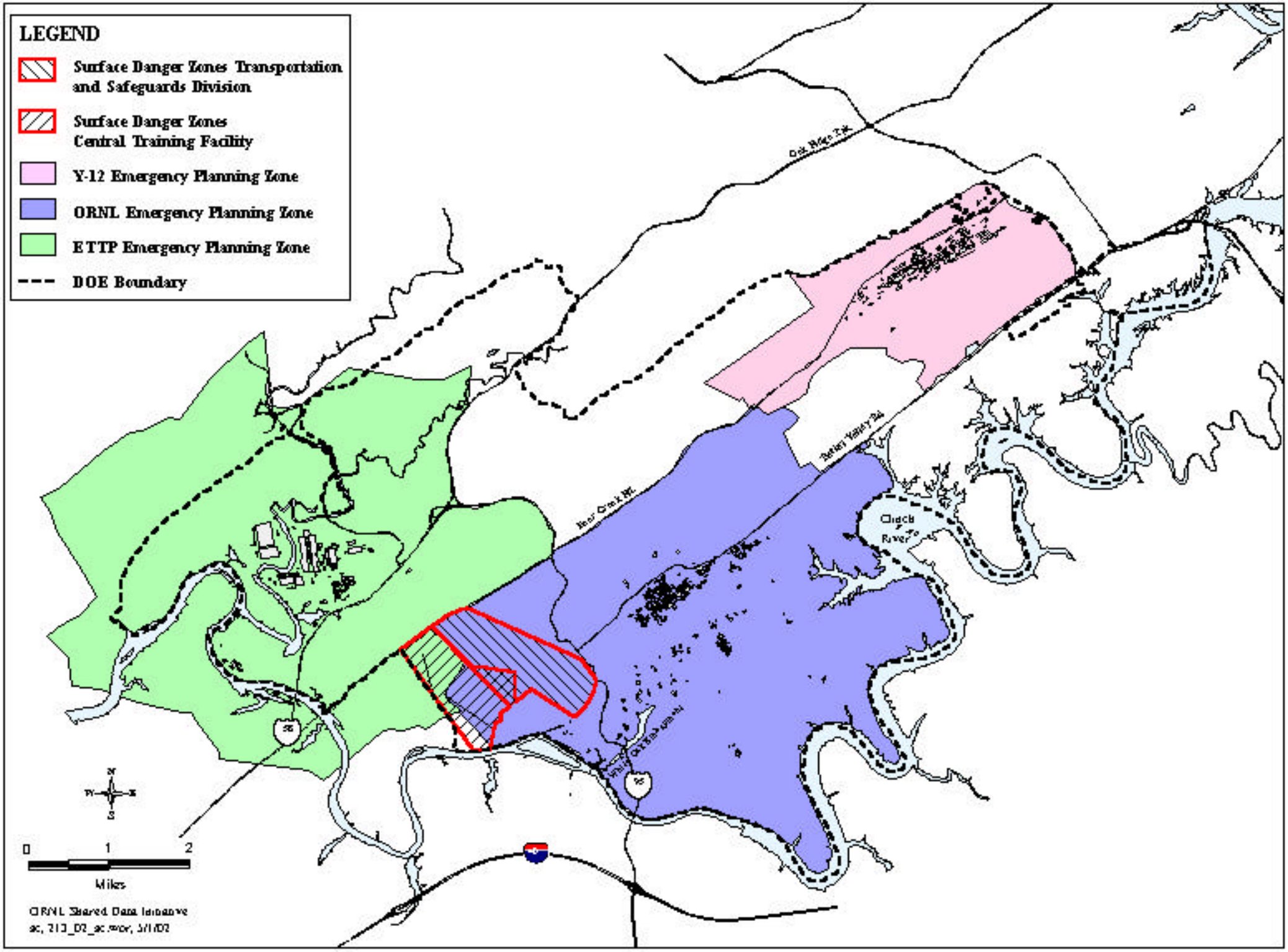

Fig. 2.13. Safety.

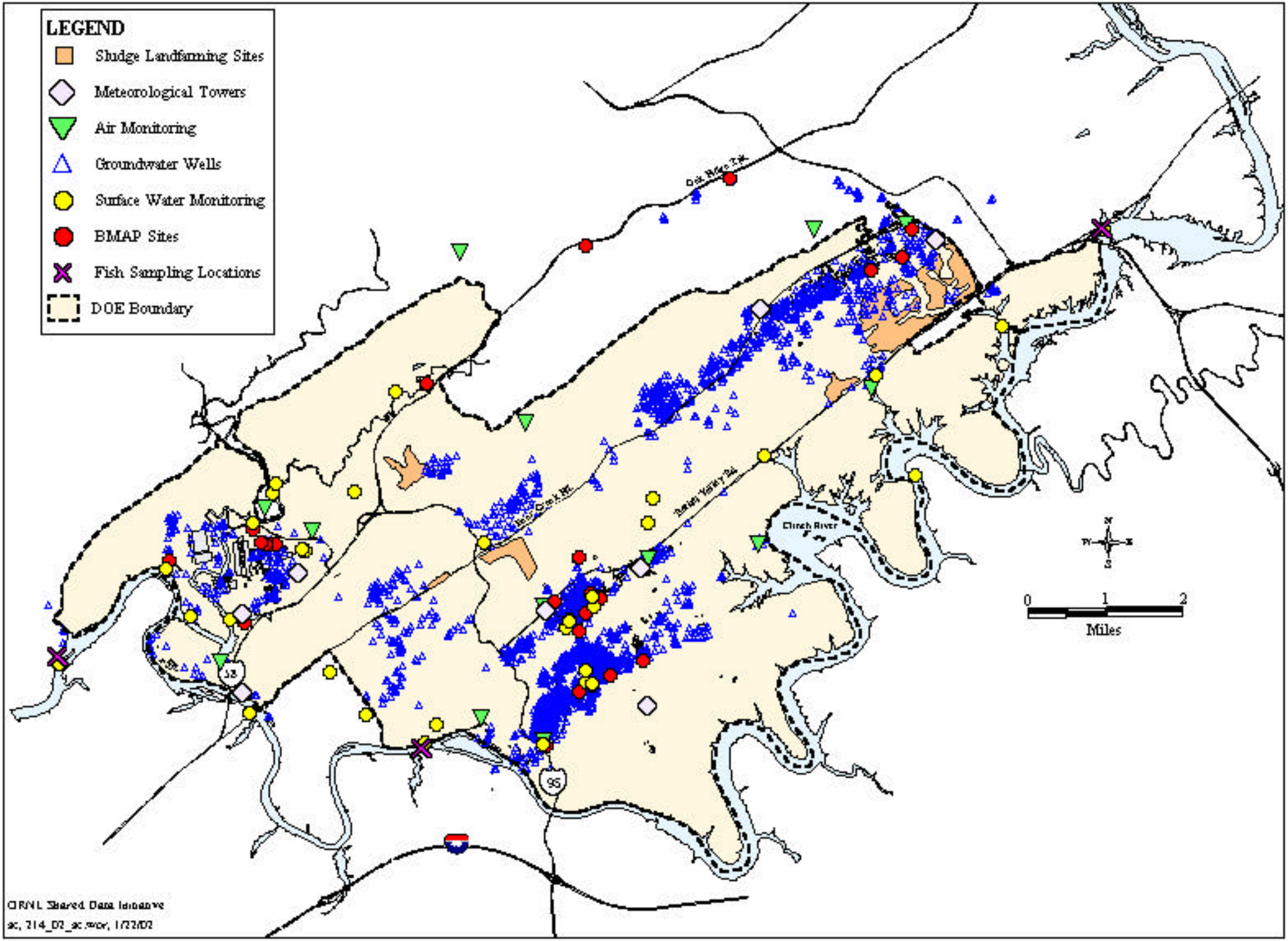

Fig. 2.14. Compliance and monitoring.

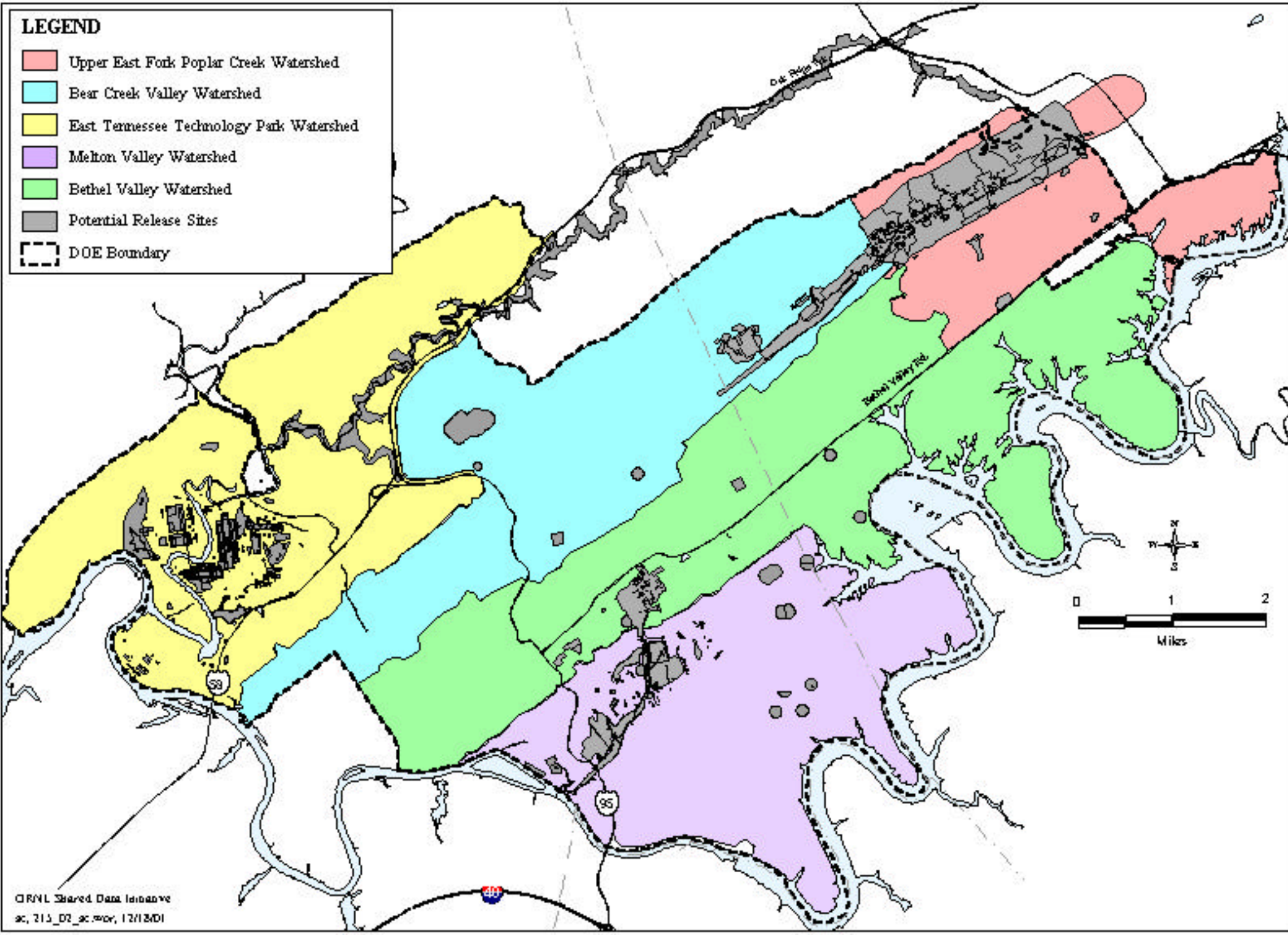

Fig. 2.15. Watershed areas with potential release sites.

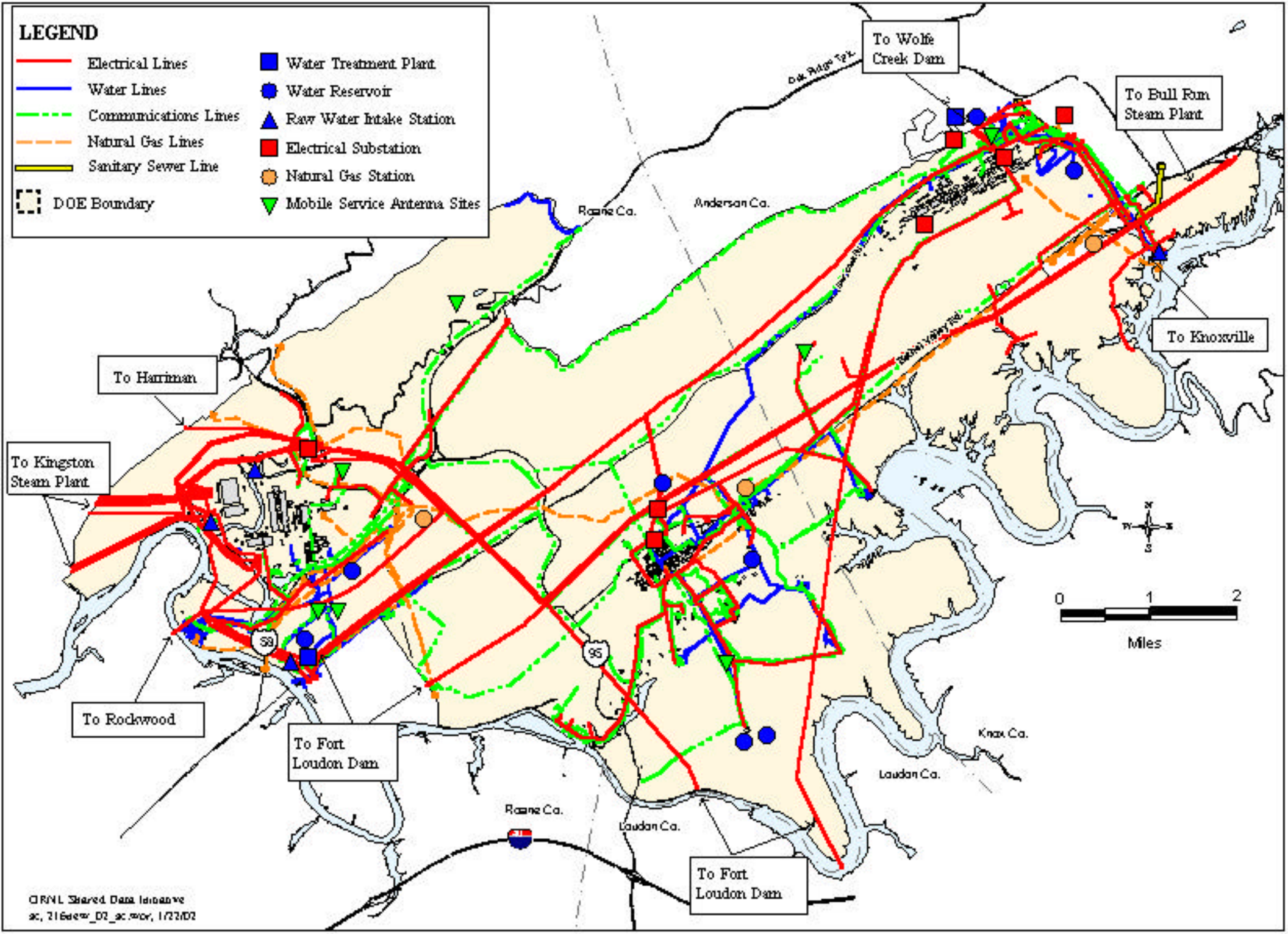

Fig. 2.16. Reservation infrastructure.

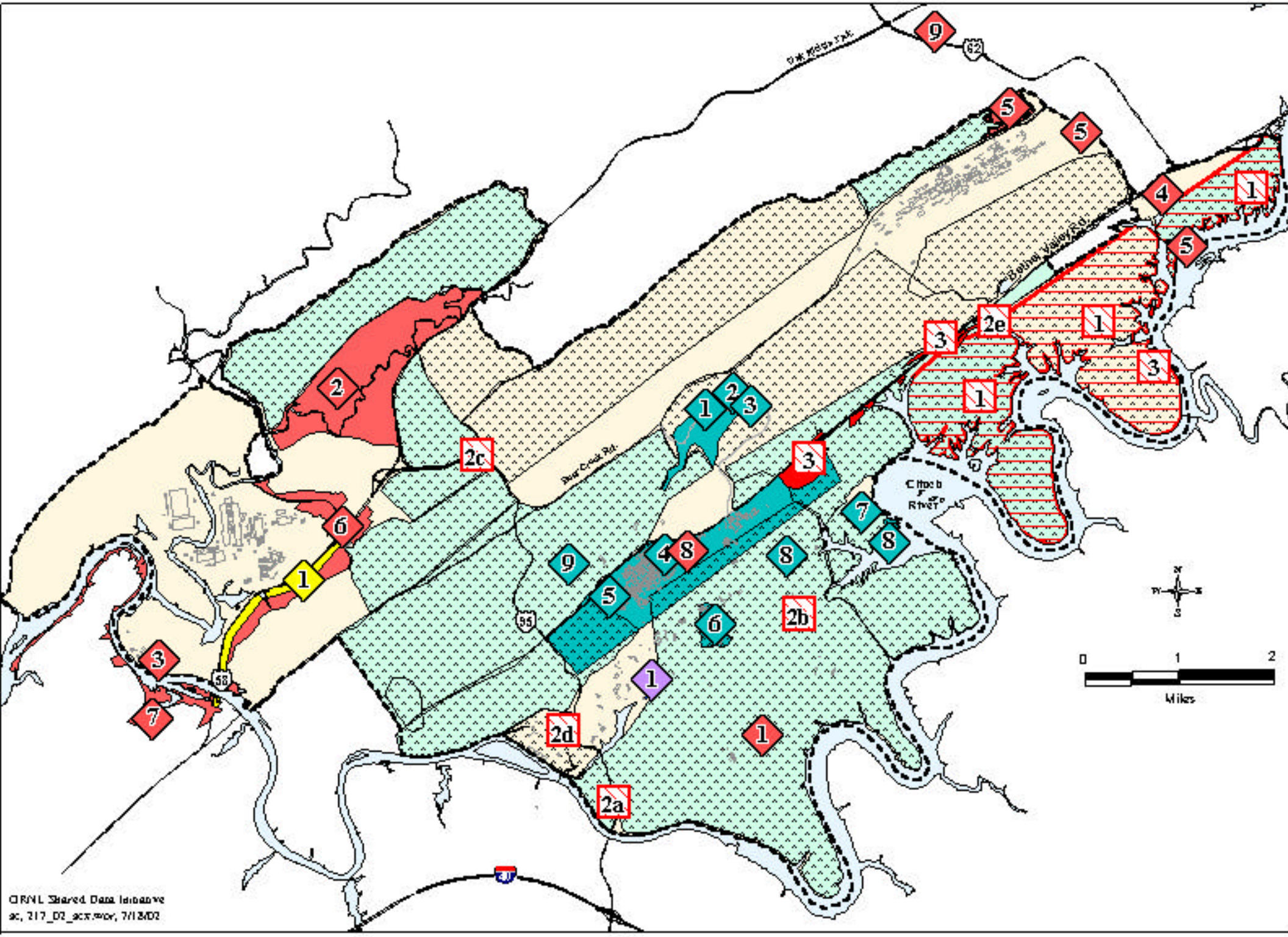

Fig. 2.17. New future uses.

LEGEND

PROPOSED RESEARCH AREAS

PLANNED RESEARCH AREAS

NEW RESEARCH FACILITIES

1. Spallation Neutron Source
2. Center for Nanophase Materials Sciences
3. Joint Institute for Neutron Sciences
4. East Campus
5. West Campus
6. 7900 Area
7. 7600 Area
8. Future Reseach and Development Facilities
9. NOAA Meteorological Research Tower

TRANSPORTATION IMPROVEMENTS

1. Highway 58 Widening

WASTE MANAGEMENT AREAS

1. Transuranic Waste Processing Facility

LAND TRANSFERS/LEASE AREAS

1. BioNeutrics, Inc.
2. Parcel ED-1 (Horizon Center)
3. Parcel ED-2
4. Parcel G
5. Water Treatment Plant and Associated Facilities - Oak Ridge City
6. Parcel ED-3 (proposed)
7. DOE Shoreline (sold)
8. Private Sector and State of Tennessee Facilities
9. American Museum of Science and Energy

ENVIRONMENTAL PARTNERSHIP AREAS

1. Wildlife Refuge
2. Pre-Impact Wetland Mitigation Areas:
   - 2a Vanden Bulck Bridge Terrace
   - 2b Melton Branch
   - 2c Hembree Marsh
   - 2d Jones Island Terrace
   - 2e McCoy Branch
3. Native Grass Restoration

Figure 2.17. Legend