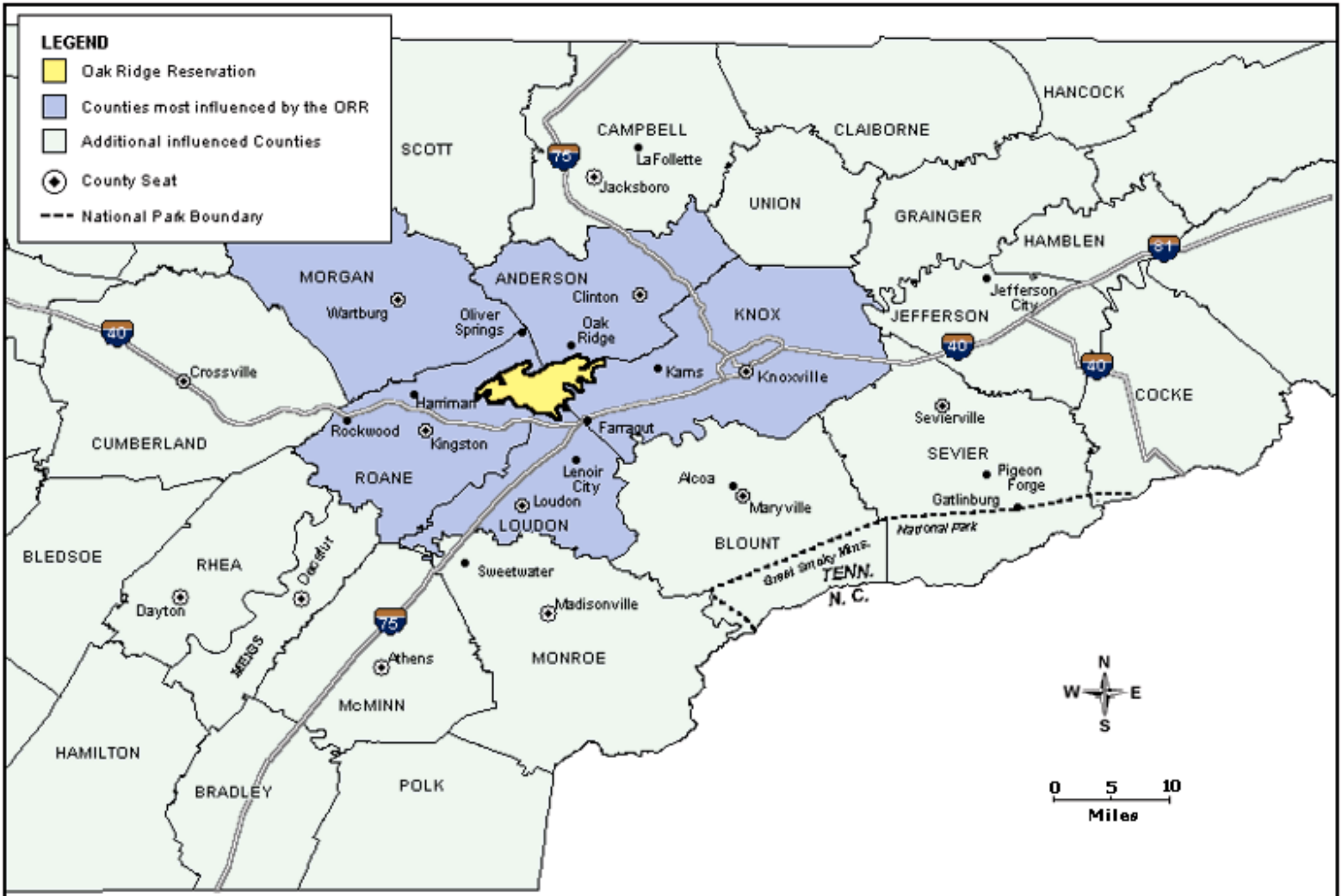

ORNL Shared Data Initiative
sc_201_00_sc_hiwar, 12/08/00

Figure 2.1 Location of the ORR and surrounding region

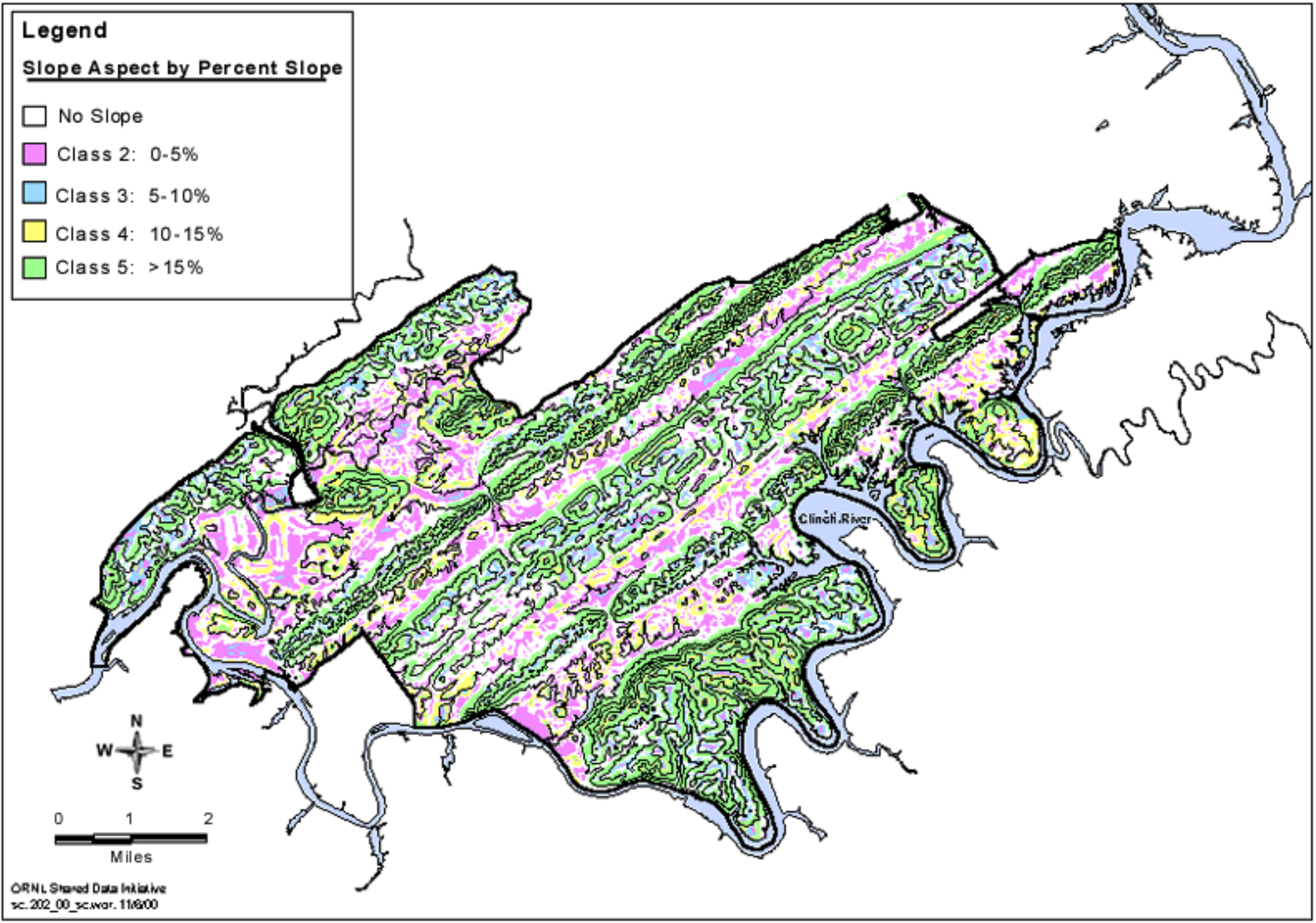

Figure 2.2 Topography with slope.

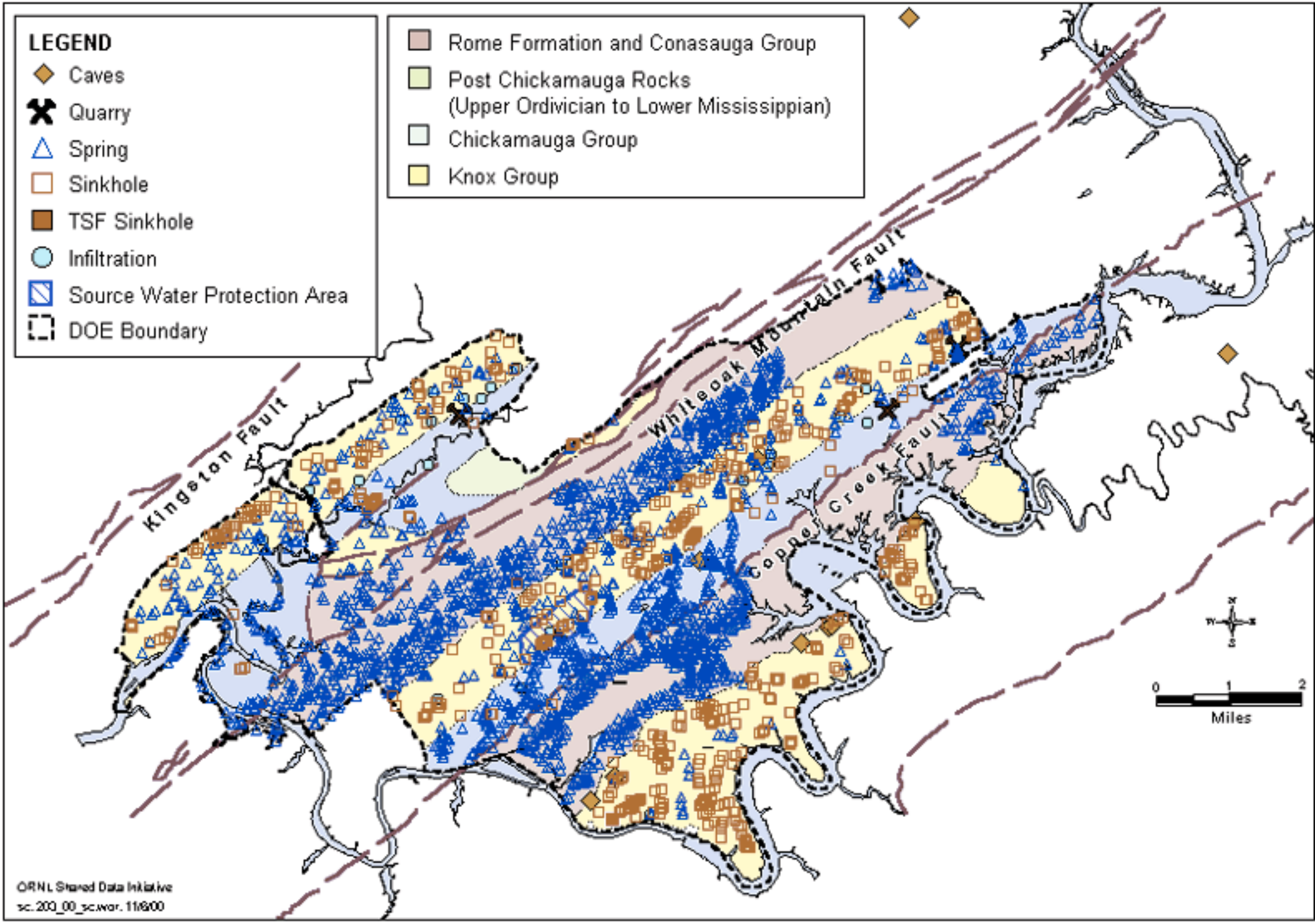

Fig 2.3. Geology with karst features.

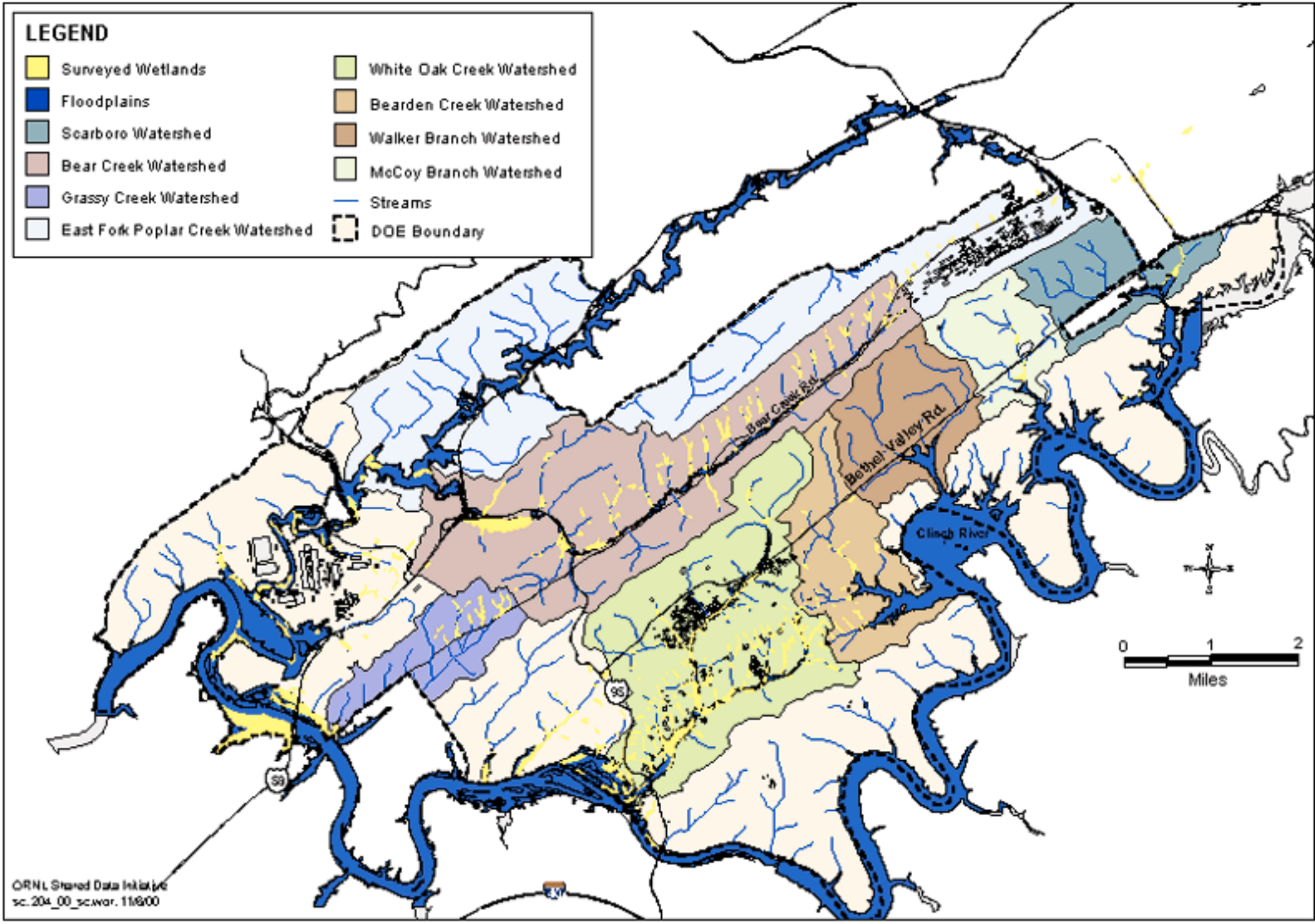

Fig. 2.4. Water, wetlands, floodplains, and watersheds.

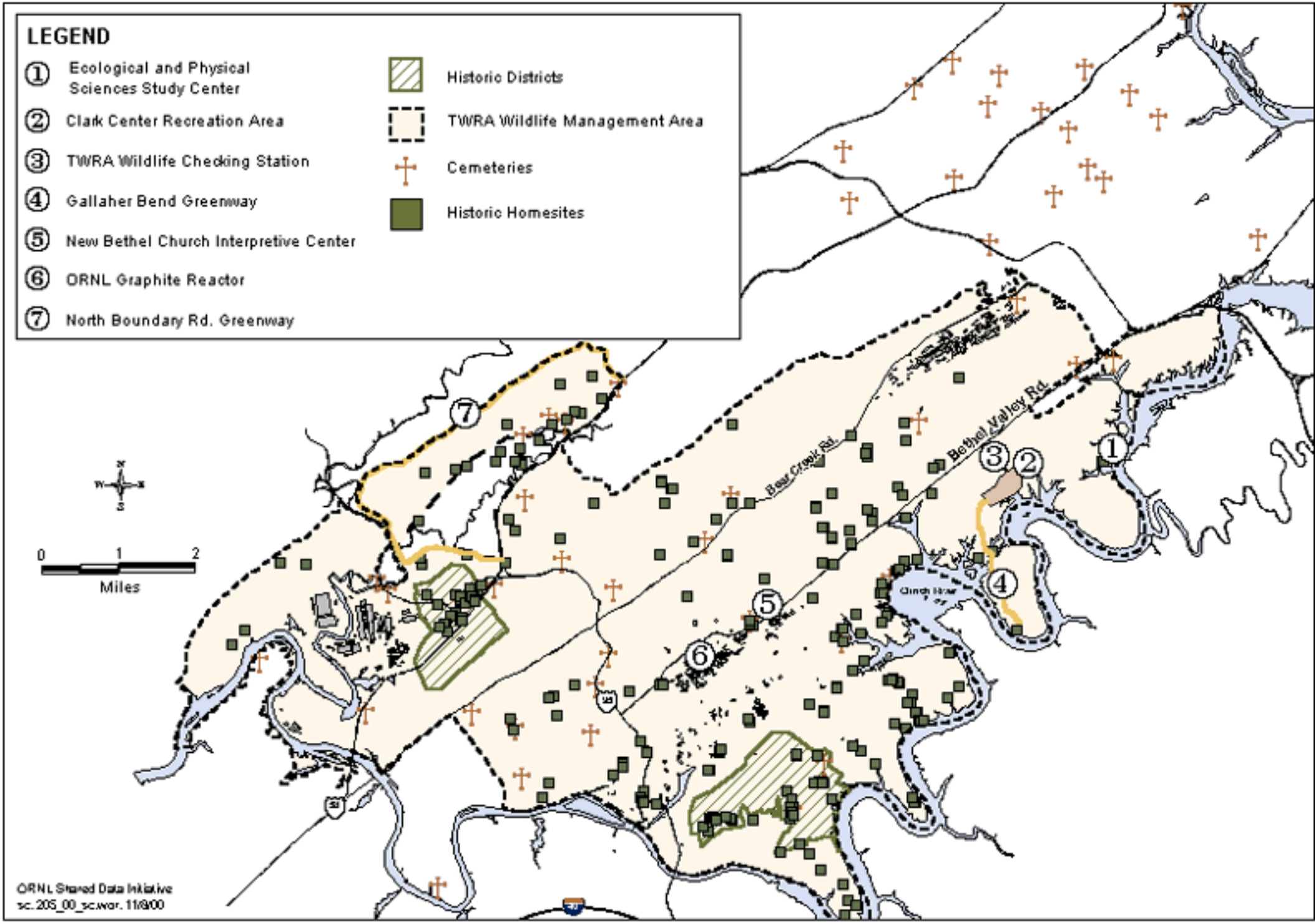

Fig. 2.5. Public, educational, and recreational opportunities.

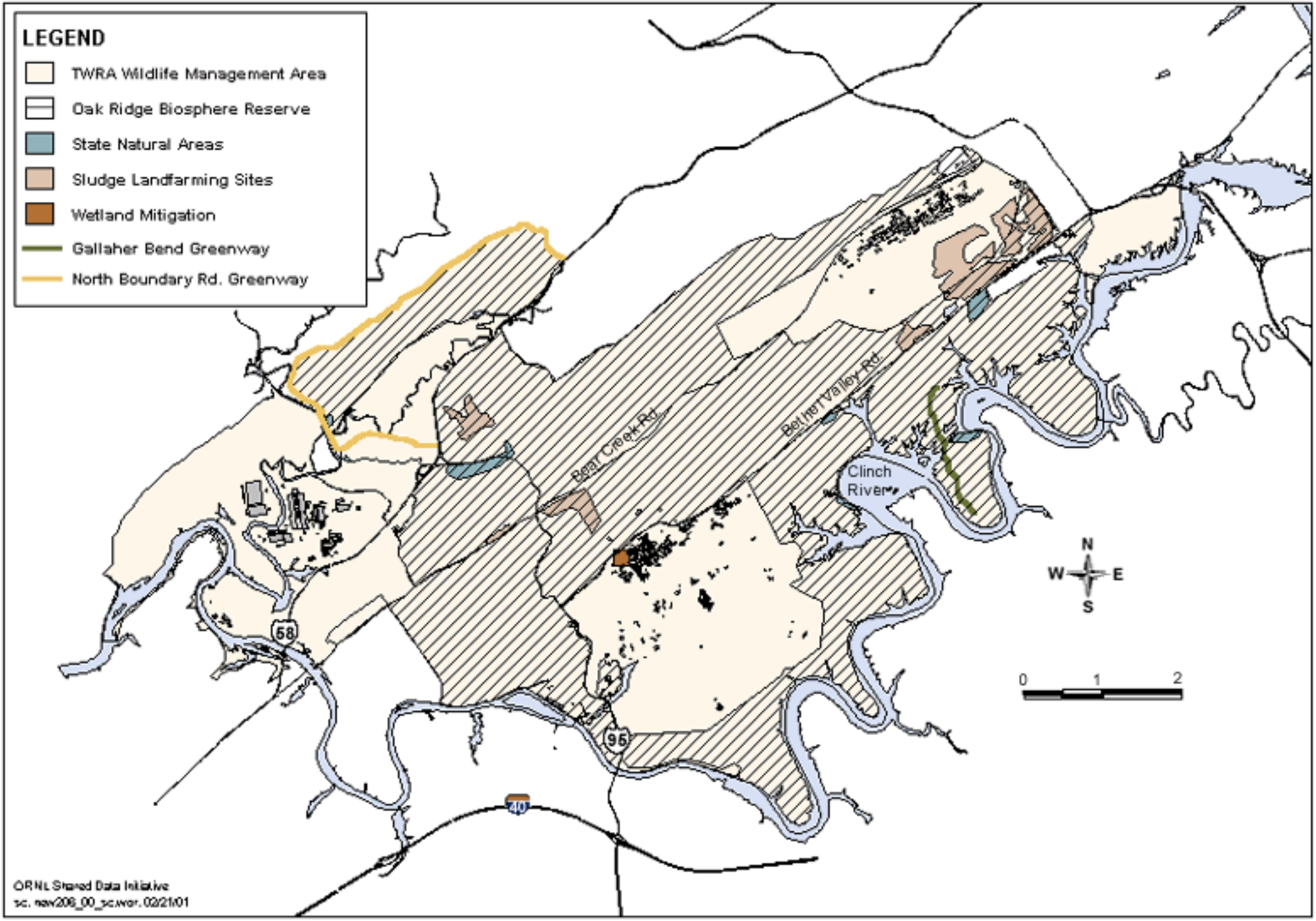

Figure 2.6 Partnership areas

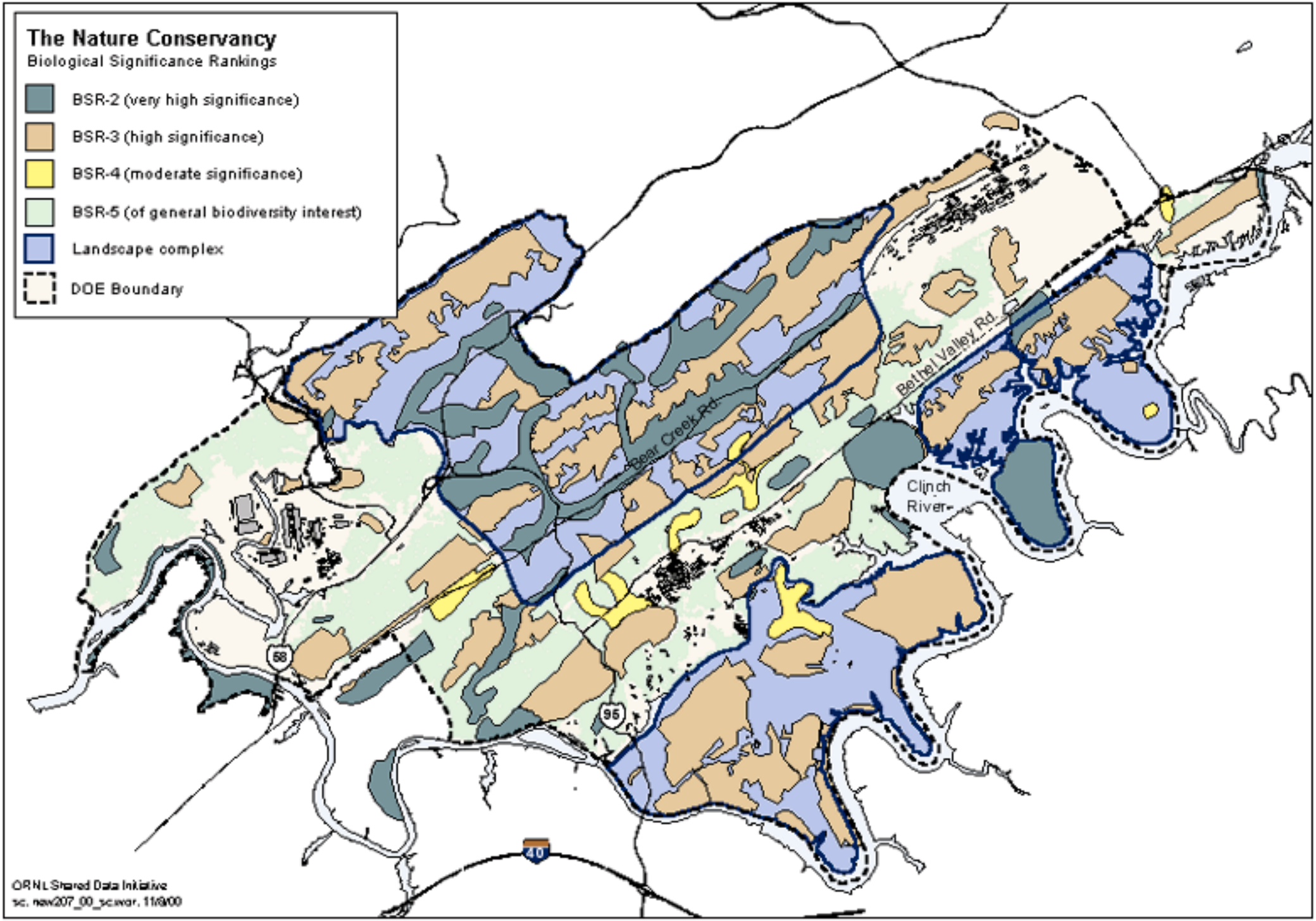

Figure 2.7 The Nature Conservancy biodiversity rankings and landscape complexes

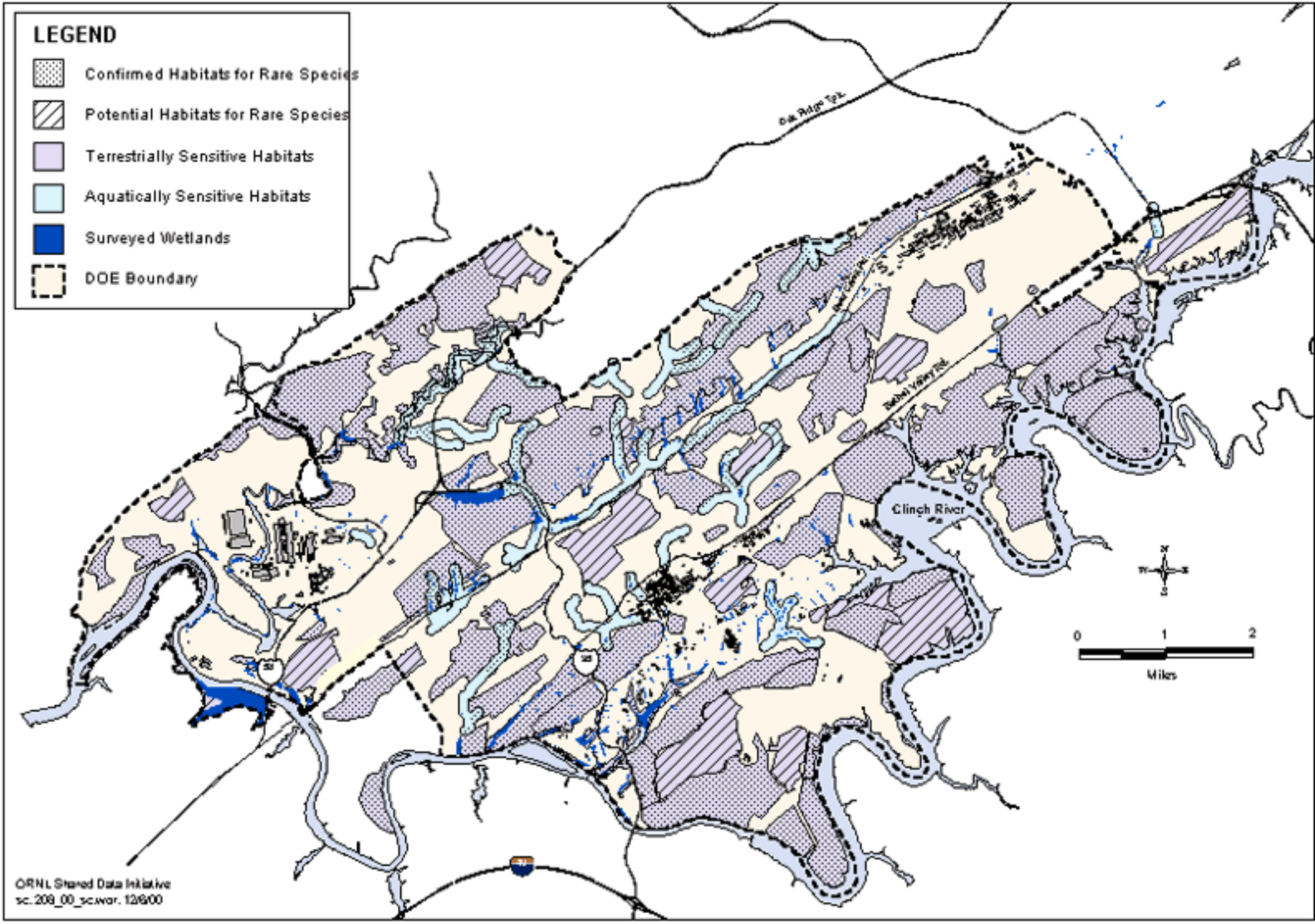

Fig. 2.8. Research park confirmed and potential habitats for rare species.

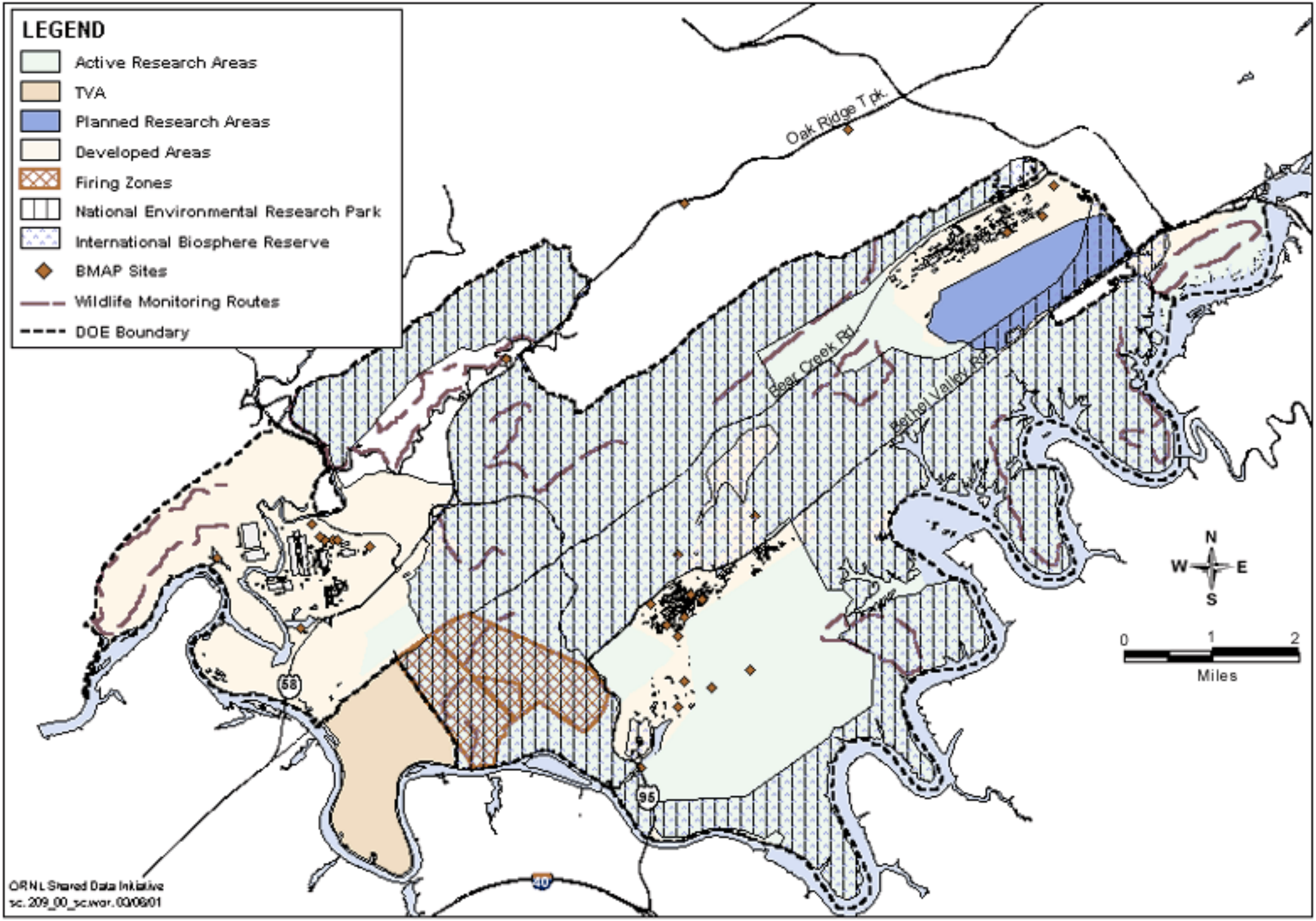

Figure 2.9 Use of DOE land for research

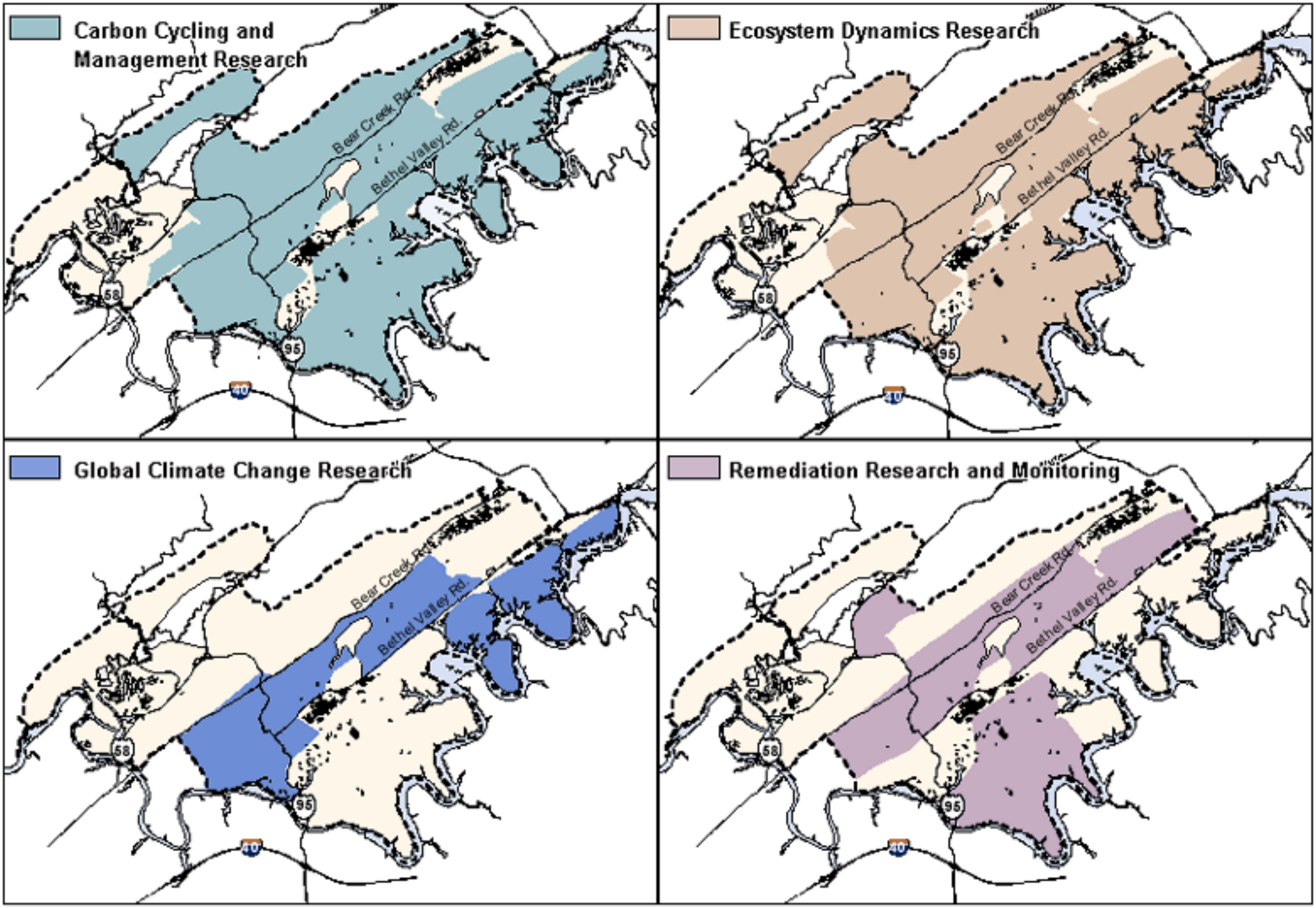

Figure 2.10 Use of DOE land for specific types of research

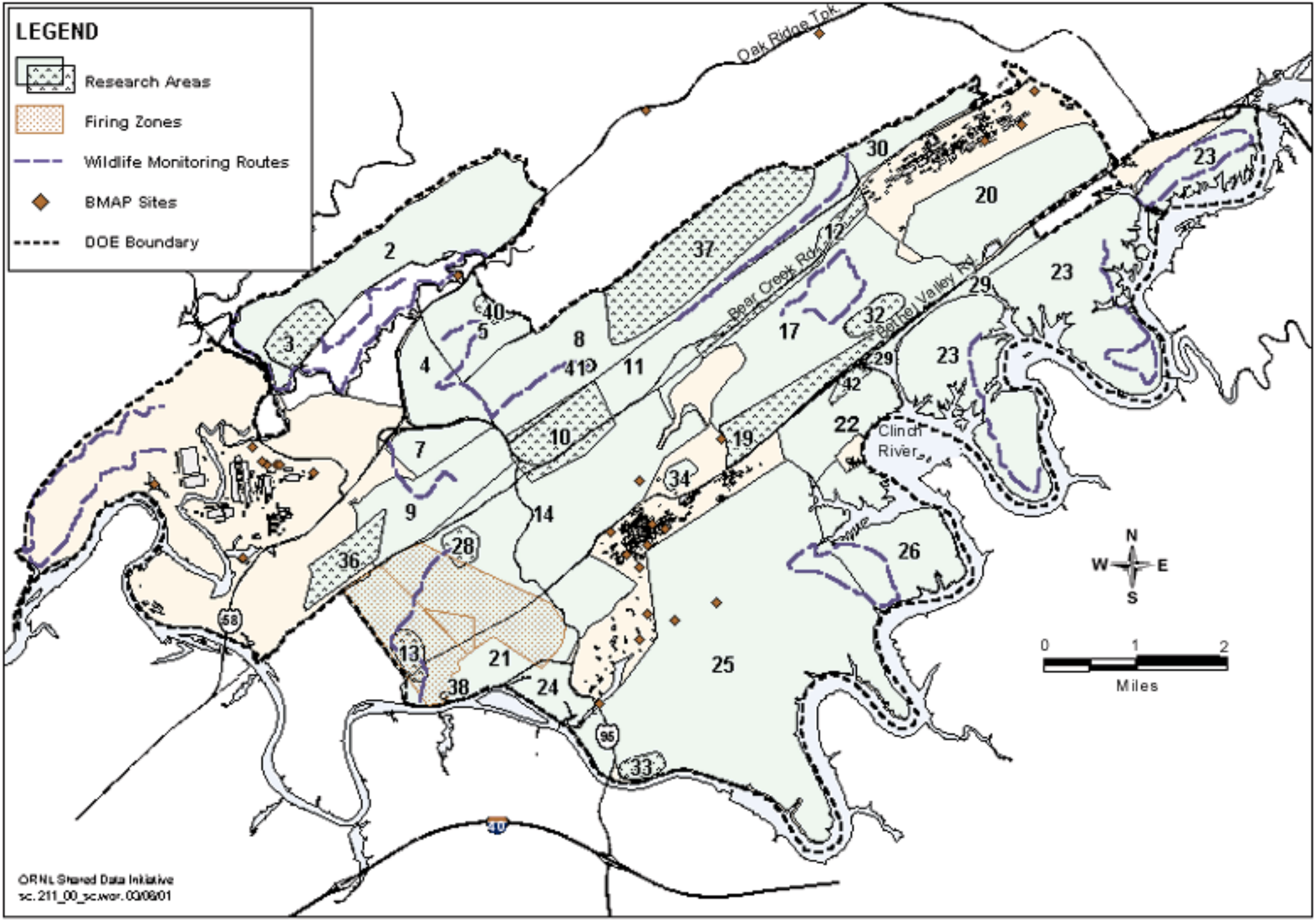

Figure 2.11 Description of ORR Research uses

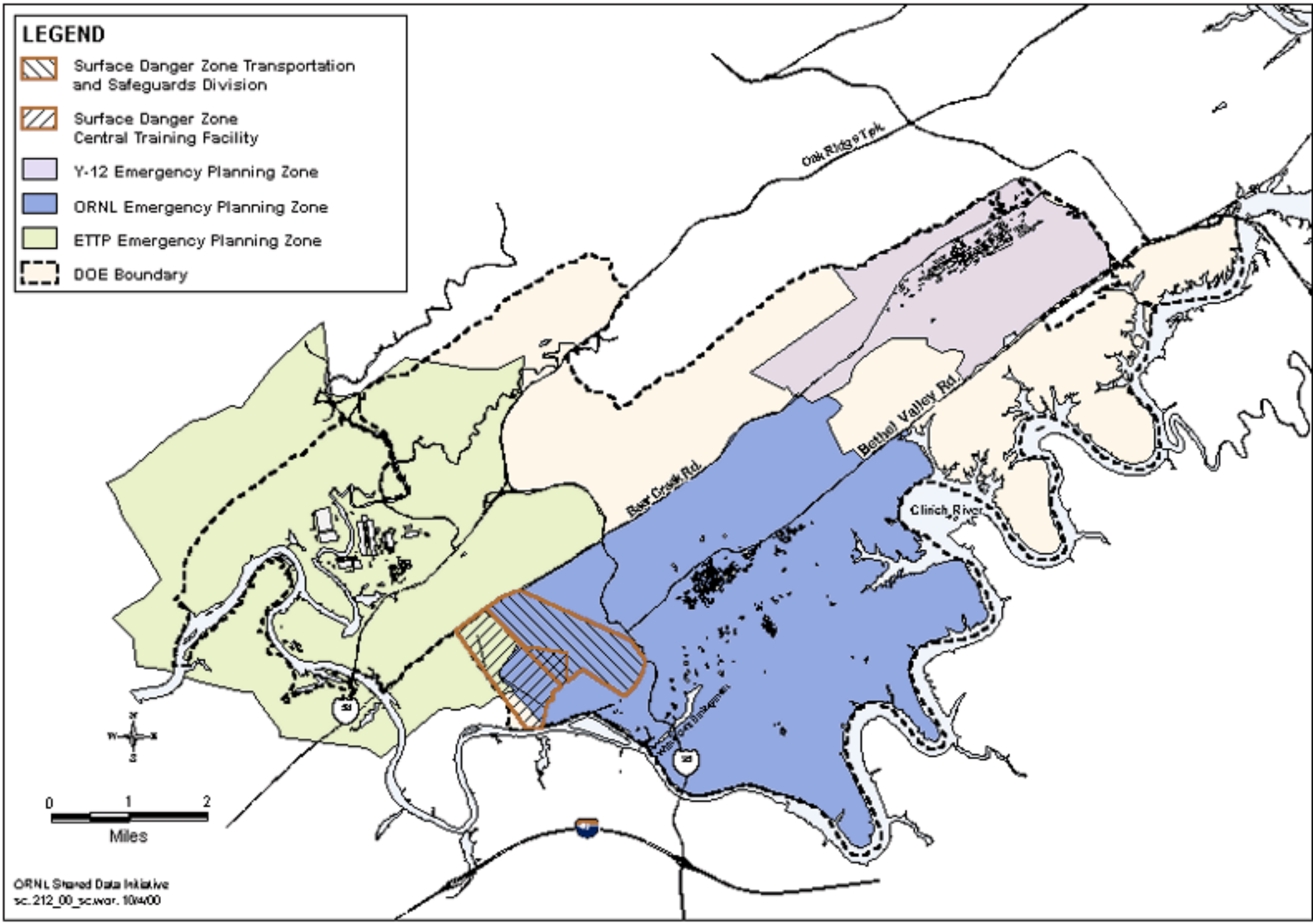

Fig. 2.12. Safety.

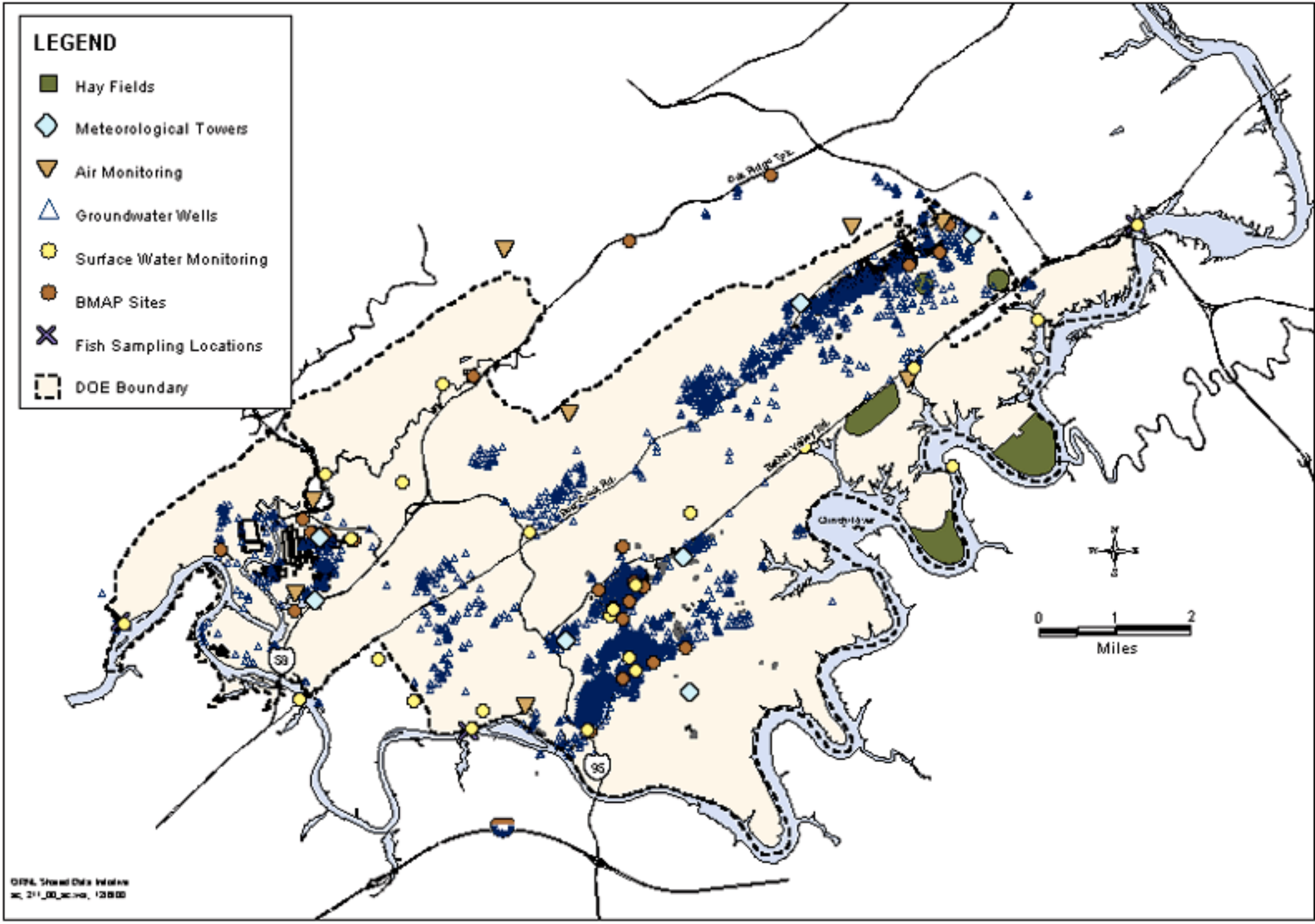

Fig. 2.13. Compliance and monitoring.

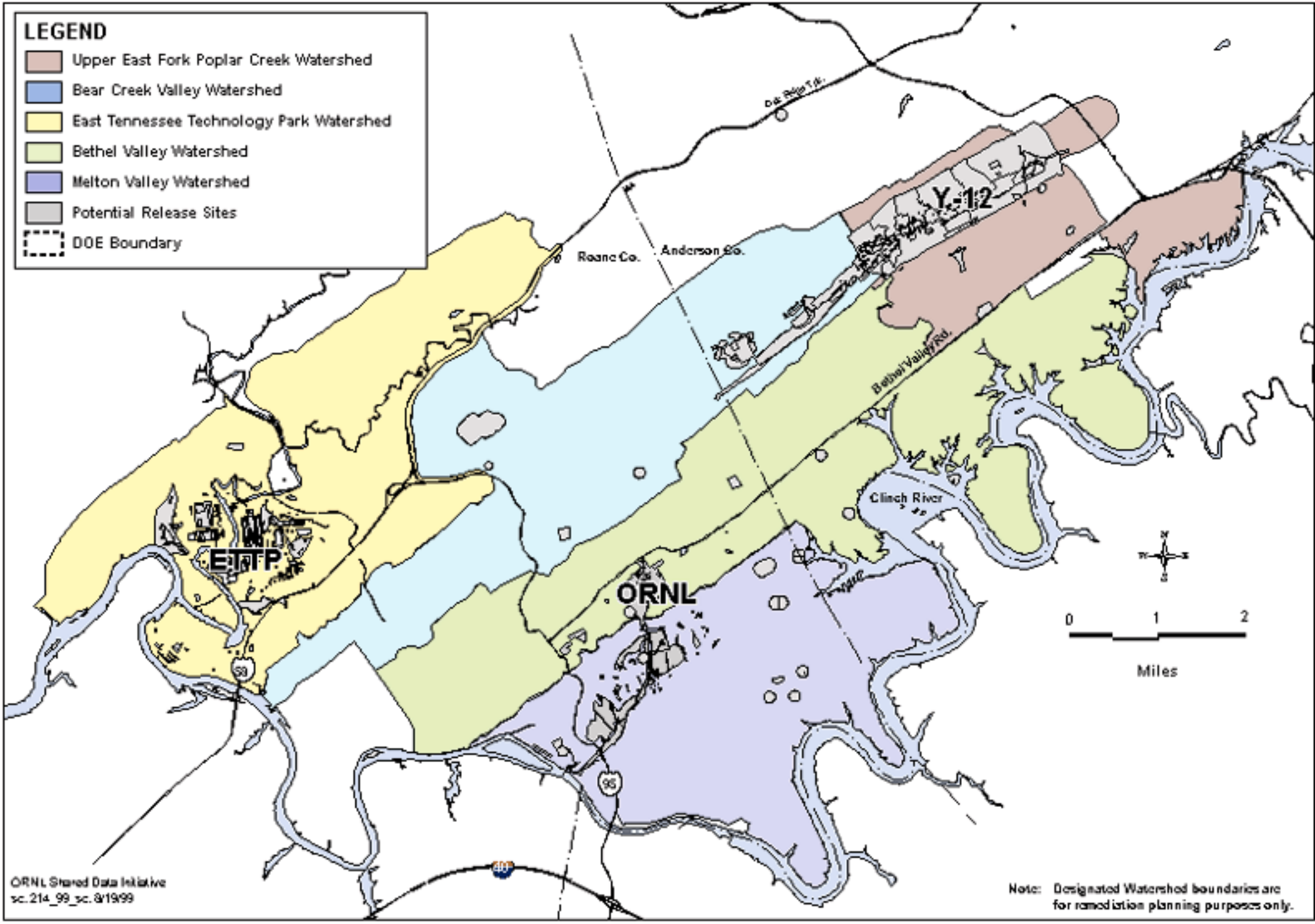

Fig 2.14. Watershed areas with potential release sites.

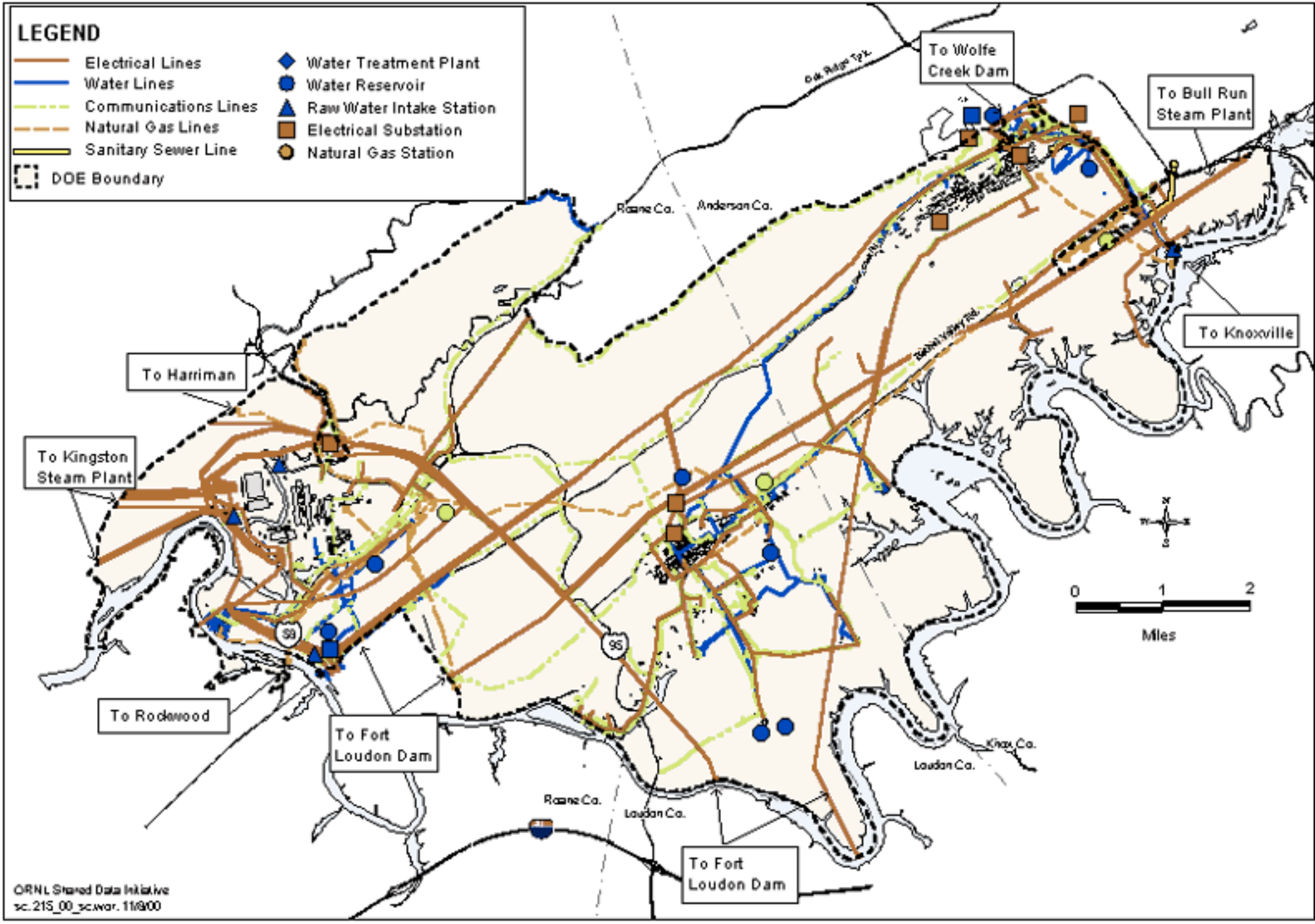

Fig. 2.15. ORR utilities.

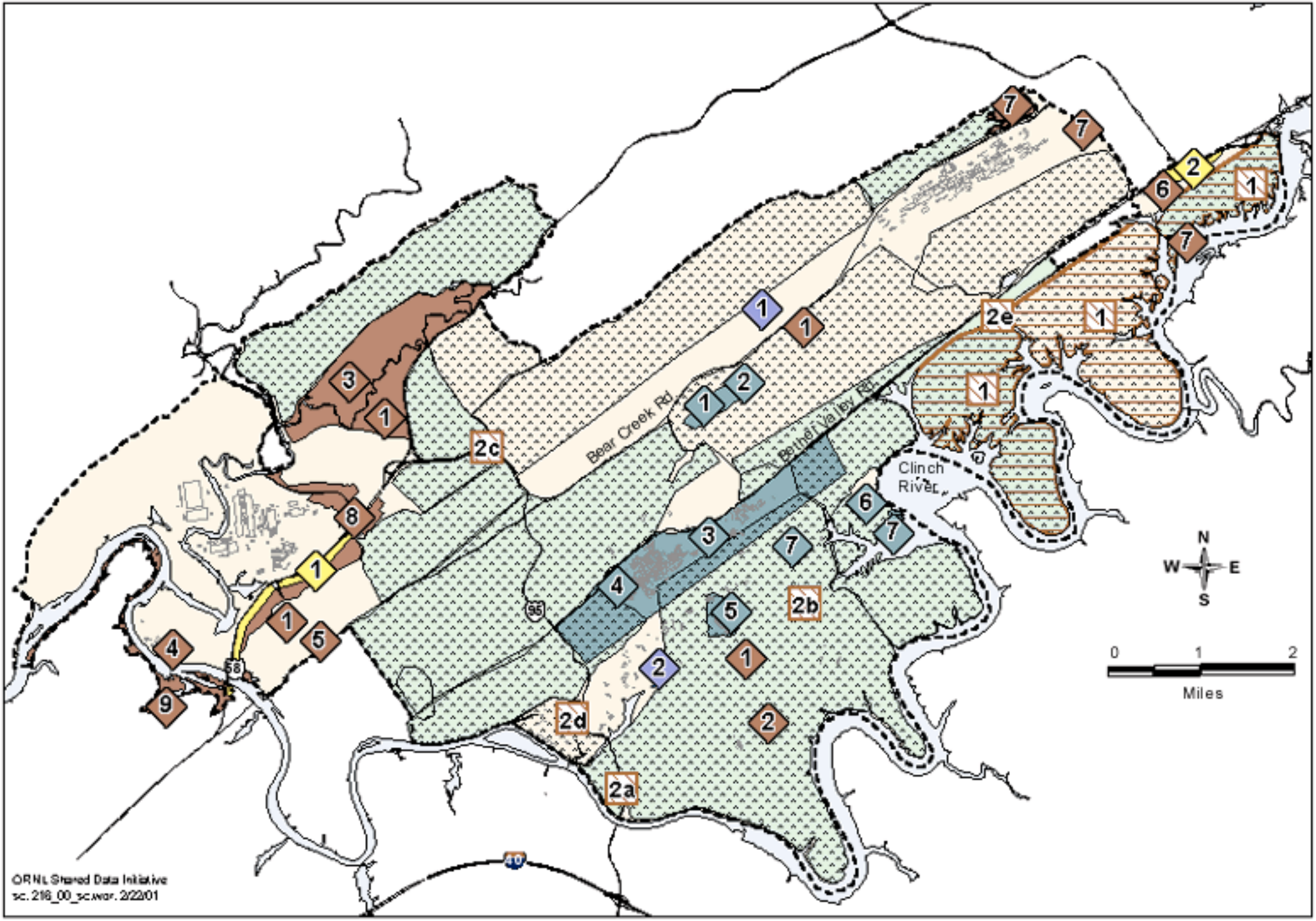

Figure 2.16 New Future Uses

LEGEND

PROPOSED RESEARCH AREAS

PLANNED RESEARCH AREAS

NEW RESEARCH FACILITIES

1. Spallation Neutron Source
2. Joint Institute for Neutron Sciences
3. East Campus
4. West Campus
5. 7900 Area
6. 7600 Area
7. Future Reseach and Development Facilities

TRANSPORTATION IMPROVEMENTS

1. Highway 58 Widening
2. Bethel Valley/Illinois Avenue Interchange

WASTE MANAGEMENT AREAS

1. Environmental Management Waste Management Facility
2. Transuranic Waste Packaging Facility

LAND TRANSFERS/LEASE AREAS

1. Mobile Service Antenna Sites
2. BioNeutrics, Inc.
3. Parcel ED-1
4. Parcel ED-2
5. Parcel 8 (portion)
6. Parcel G
7. Water Treatment Plants - Oak Ridge City
8. Parcels ED-3 (proposed)
9. DOE Shoreline

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