

"Activities that require USACE Regulatory authorization under Section 404 of the Clean Water Act
are not part of this study"

Sulphur River Basin Feasibility Study, Texas - Reallocation at Wright Patman Lake

Public Scoping Meetings

Texarkana, Texas
February 23, 2016

Mount Pleasant, Texas
February 24, 2016



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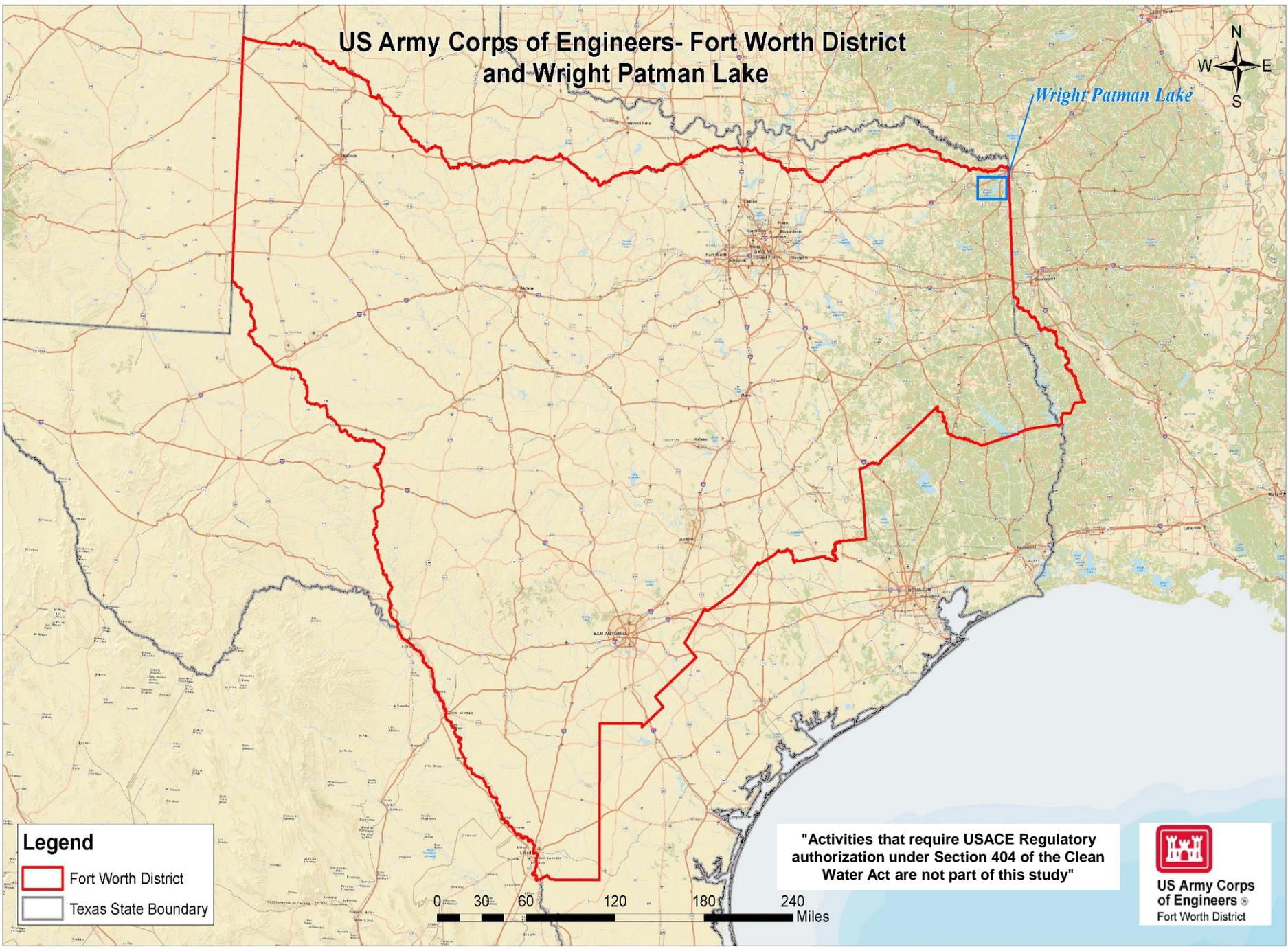
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US Army Corps of Engineers- Fort Worth District and Wright Patman Lake



Wright Patman Lake



Legend

-  Fort Worth District
-  Texas State Boundary



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Environmental Impact Statement (EIS) Guidelines and the National Environmental Policy Act (NEPA) Process

NEPA GUIDES THE IMPACT ANALYSIS

NEPA is federal law that requires agencies to evaluate the potential environmental effects of proposed projects, and to inform and involve the public in the decision-making process.

An EIS will include sections describing:

- Purpose and Need
- Baseline Conditions
- Alternatives
- Environmental Effects

POTENTIAL TYPES OF ENVIRONMENTAL EFFECTS

- Direct Effects
- Indirect Effects
- Cumulative Effects
- Conflicts with land use plans or policies
- Short-term use of the environment versus long-term productivity
- Irreversible or irretrievable commitments of resources

IMPACT ANALYSIS CRITERIA

The U.S. Army Corps of Engineers (USACE) has identified a broad spectrum of general and project-specific criteria to analyze impacts of the action alternatives, including:

- Institutional Criteria
 - NEPA
 - Council on Environmental Quality Regulation
 - USACE Engineering Regulation 200-2-2
 - Environmental Laws and the associated Implementing Regulations and Guidance
 - National Historic Preservation Act (Section 106)
- Technical Criteria
 - Dam Safety
 - Environmental Responsibility
- Public Criteria
 - Comments / Participation

WHAT IS THE PURPOSE OF THIS SCOPING MEETING?

NEPA is a public process designed to solicit public and agency comments regarding issues that an environmental document should consider.

This Scoping Meeting aims to:

- Share Information
- Seek Input
- Define How You Can be Involved

This is an opportunity for the public to participate and provide comments on:

- Environmental Concerns
- Local Conditions, Issues, Opportunities, etc.
- Alternative Ways to Meet Purpose

We Encourage Your Input During the NEPA Public Scoping Period!

OVERVIEW OF THE NEPA PROCESS

Agency Notification Letters (Jan 2016)

Notice of Intent (Jan 2016)

Public Scoping Period (Feb - Apr 2016)

Preparation of Draft EIS

Notice of Availability of Draft EIS

Public Review Period of Draft EIS

Preparation of Final EIS

Notice of Availability of Final EIS

Record of Decision Signed

Implementation



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How Can You Participate?

- Today's Scoping Meeting
 - Review information on the display boards and handouts
 - Ask the USACE Specialists questions
- Please Provide Comments by April 8, 2016:
 - Place comment cards in comment box tonight.
 - E-mail comments to: Melinda.Fisher@usace.army.mil
 - Mail comments to:

**Melinda Fisher, Environmental Lead
USACE, Regional Planning & Environmental Center
NEPA and Cultural Resources Section
1645 S 101st East Avenue
Tulsa, OK 74128**



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What is the Purpose of the Study?

- The USACE is studying the feasibility of reallocating some flood control storage capacity in Wright Patman Lake for the purpose of water supply.
- The reallocation is needed to provide water to local and regional users for municipal and industrial users in response to population growth in Regions C and D.



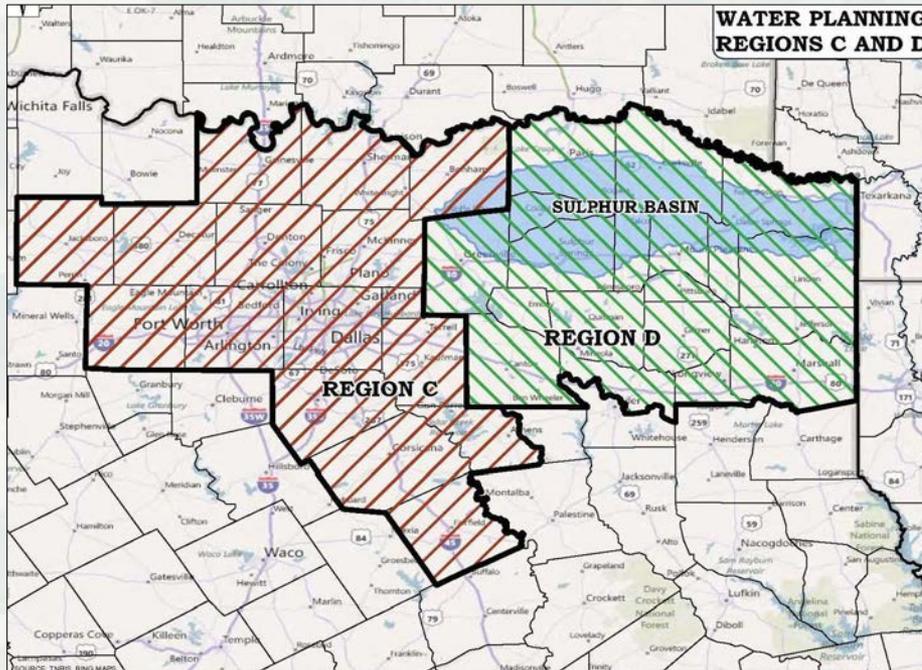
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What is the Purpose of the Study?

Help address short- and long-term water planning needs in Regions C and D



Why is the Project Needed?

We do not have enough existing water supplies today to meet the demands in the future.

The population in Region C is expected to increase 91% by 2070 while the population in Region D is expected to increase 65% by 2070 based on Texas Water Development Board projections.



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What is a Reallocation?

A change in the use of storage in an existing reservoir project, such as Wright Patman, from its present use (in this case from flood control) to Municipal and Industrial (M&I) water supply as authorized by the Water Supply Act of 1958 (*Water Supply Handbook, Institute for Water Resources, US Army Corps of Engineers, 1998*).



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Key Considerations

- Impacts on Authorized Project Purposes (Flood Control & Water Supply)
- Impacts to Timber and the Timber Industry
- Impacts to Cultural & Historic Resources
- Impacts on Recreation and other Public Facilities
- Habitat Changes and the Impact on Wildlife
- Impacts on White Oak Creek Wildlife Management Area
- Real Estate Requirements
- Dam Safety



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What is the Ultimate Rule Curve?

- The Ultimate Rule Curve (URC) is how Wright Patman Lake will be operated under the existing contract executed in July 1968.
- The peak water surface elevation under the URC is approximately 228.64 feet (with a full understanding there will be fluctuations depending on environmental and operational conditions).
- This curve is assumed to be in place for the purposes of the reallocation report and serves as the baseline condition.

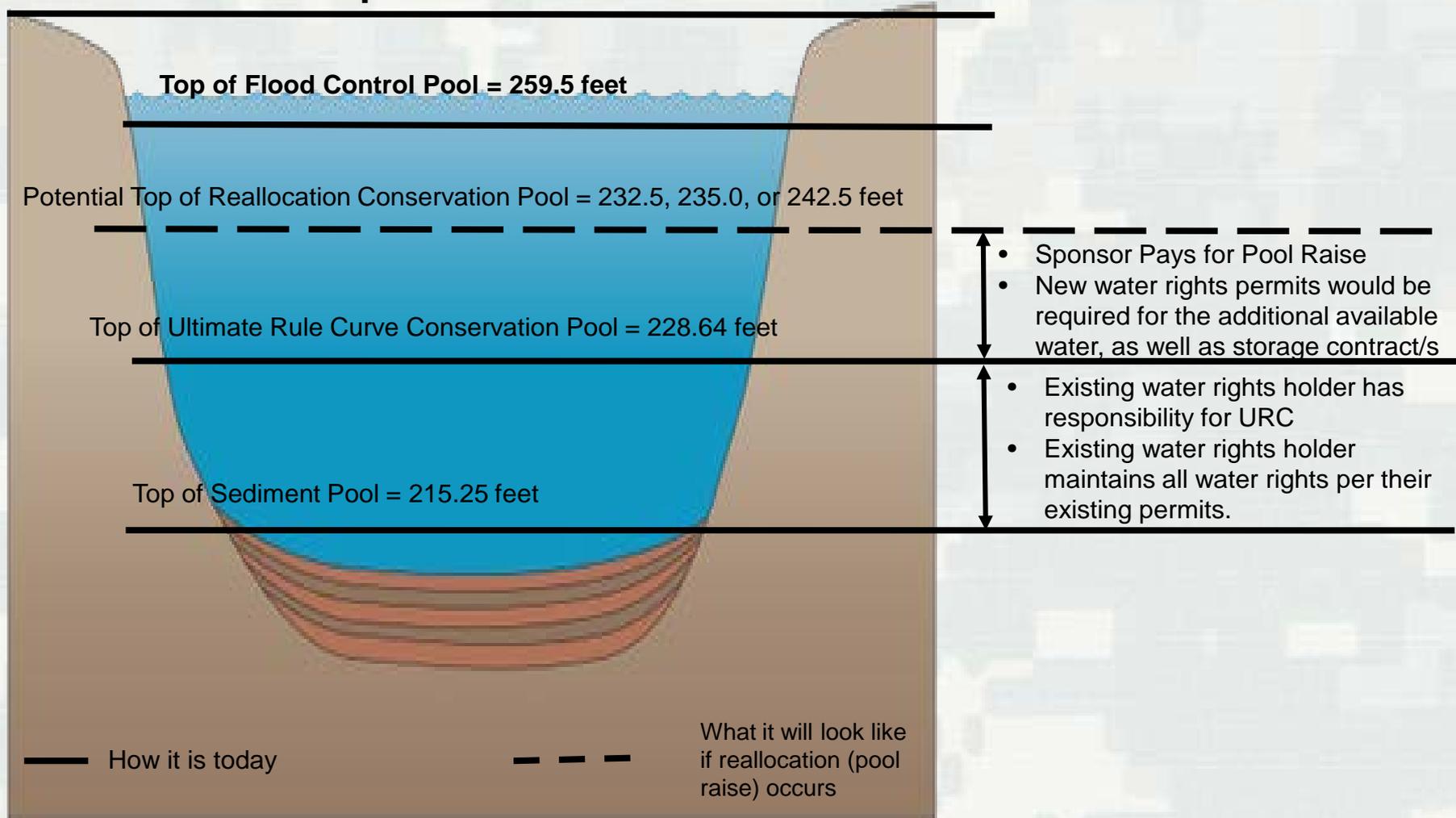


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Top of Dam = 286.0 feet



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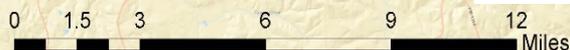
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Wright Patman Lake Preliminary Pool Raise Elevations and White Oak Creek Wildlife Management Area



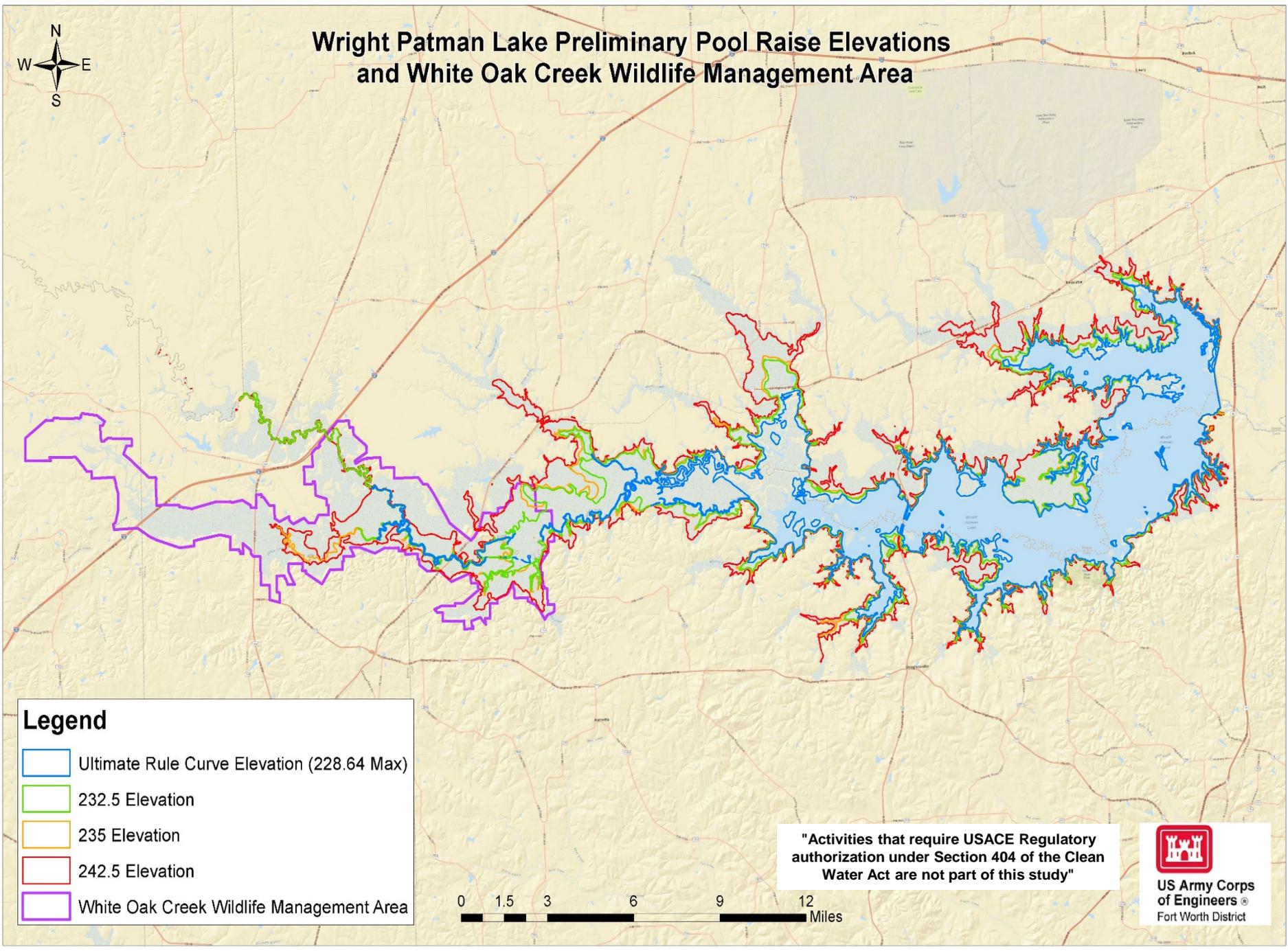
Legend

- Ultimate Rule Curve Elevation (228.64 Max)
- 232.5 Elevation
- 235 Elevation
- 242.5 Elevation
- White Oak Creek Wildlife Management Area



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Habitat Types in Project Area



Bottomland Baldcypress Swamp



Northern Mesic Forest/Hardwood Forest



Bottomland Temporarily Flooded Hardwood Forest



Stream/Riparian Seasonally Flooded Hardwood Forest



Dry Pine Forest or Plantation



Stream/Riparian Temporarily Flooded Hardwood Forest



Longleaf or Loblolly Pine/Hardwood Flatwoods or Plantation



Dry Upland Hardwood Forest

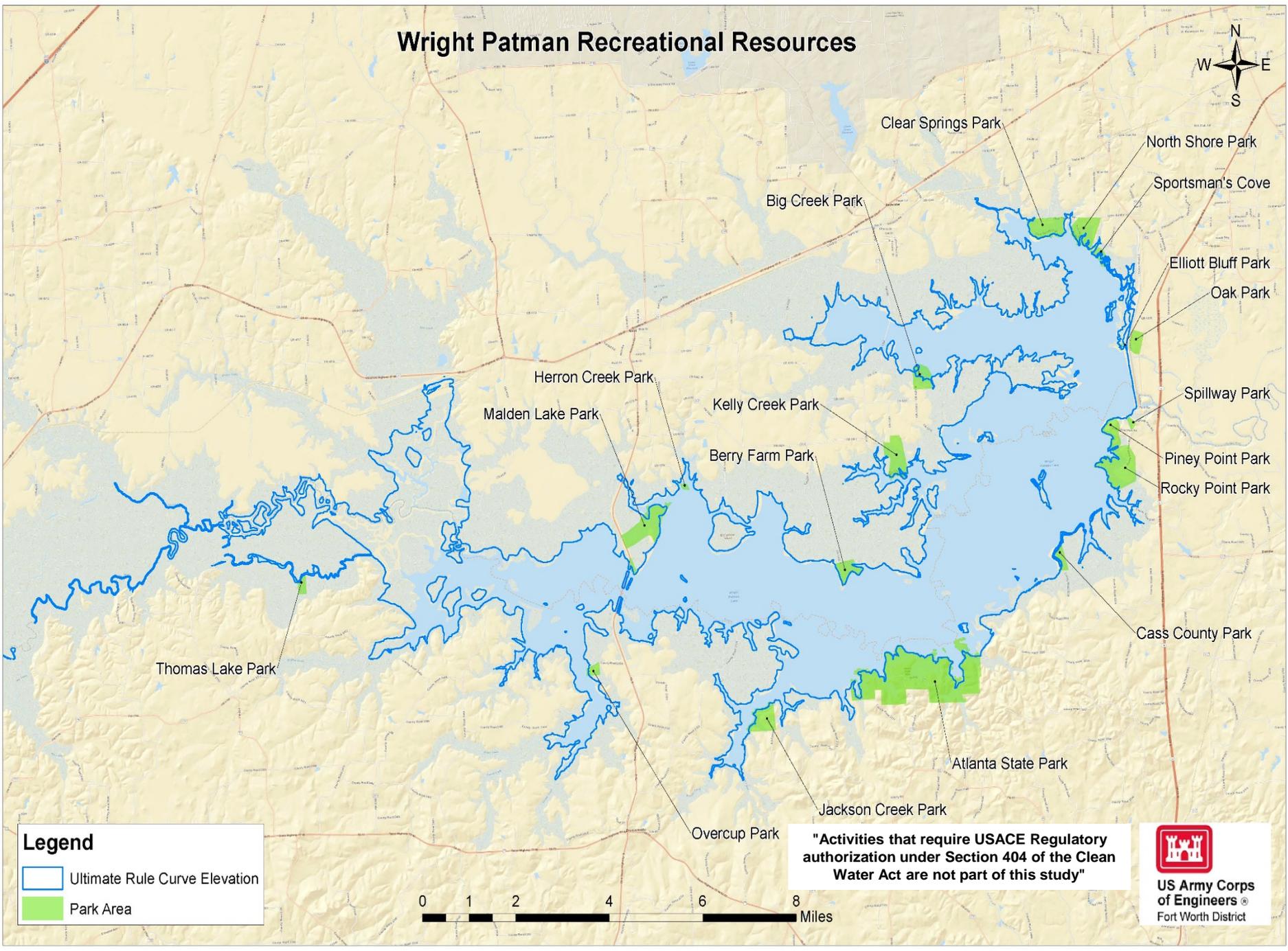


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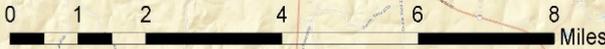
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Wright Patman Recreational Resources



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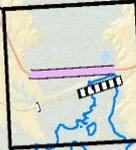
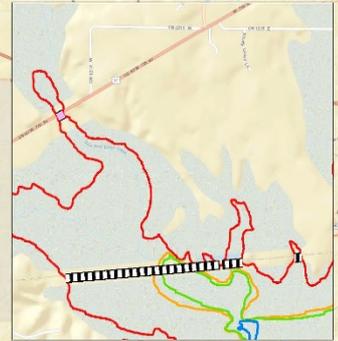
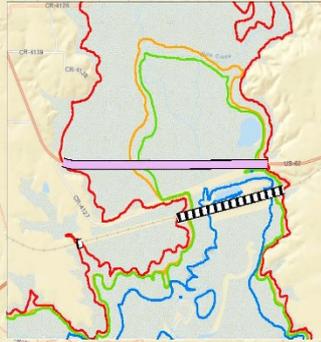
- Ultimate Rule Curve Elevation
- Park Area



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Wright Patman Lake Roads and Railroads



Legend

-  Potentially Impacted Railroads
-  Potentially Impacted Roads
-  Ultimate Rule Curve Elevation

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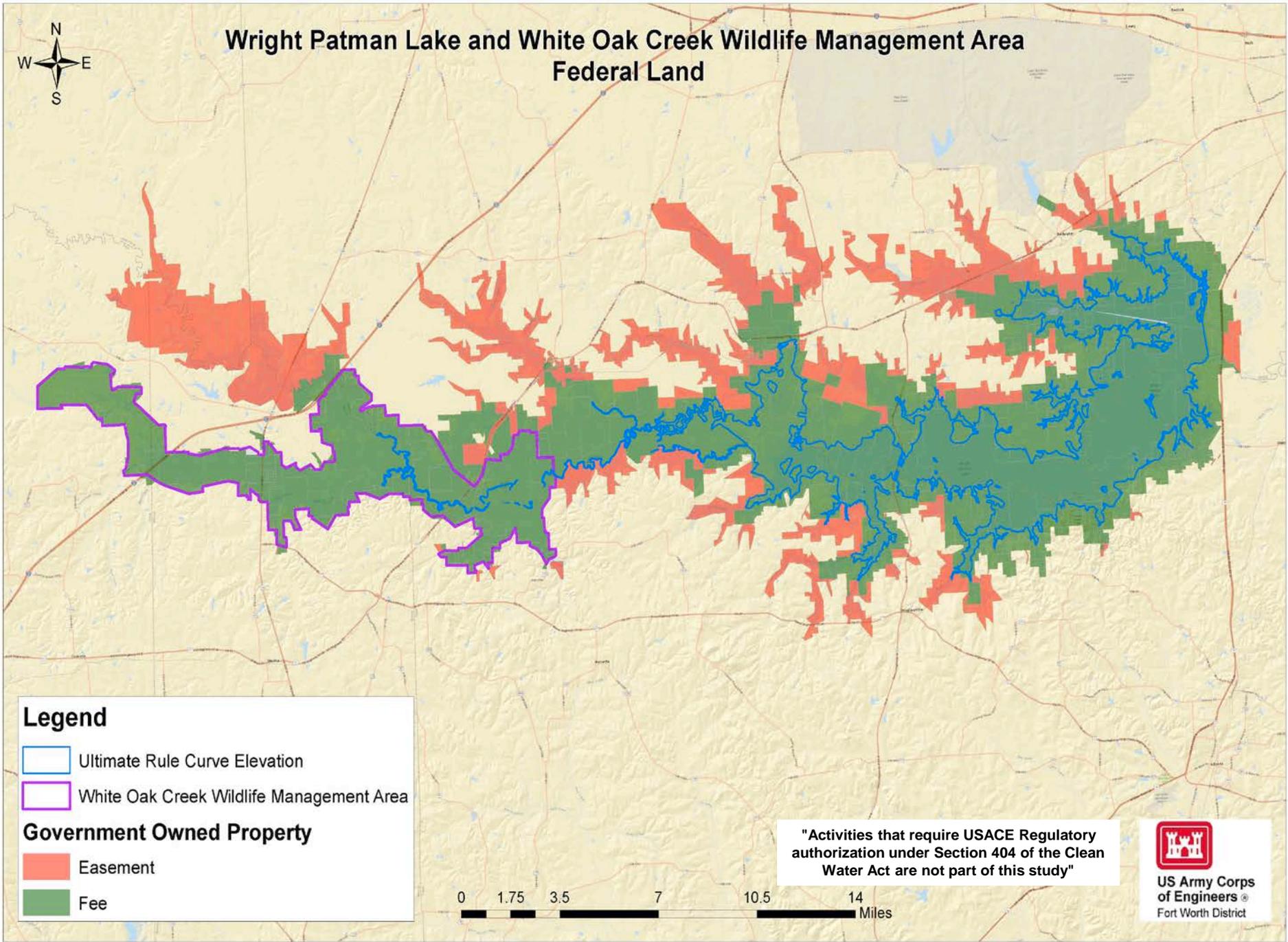


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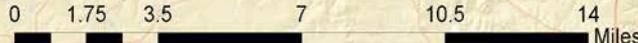


Wright Patman Lake and White Oak Creek Wildlife Management Area Federal Land



Legend

-  Ultimate Rule Curve Elevation
-  White Oak Creek Wildlife Management Area
- Government Owned Property**
-  Easement
-  Fee



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