



U.S. DEPARTMENT OF
ENERGY

DOE/EIS-0486

Final

PLAINS & EASTERN CLEAN LINE TRANSMISSION PROJECT ENVIRONMENTAL IMPACT STATEMENT

Volume III of VIII



U.S. DEPARTMENT OF ENERGY
Office of Electricity Delivery and Energy Reliability
Washington, DC

October 2015

Appendix A Introduction and Table of Contents

This appendix contains the 11-inch by 17-inch formatted figures referenced in the text of the EIS.

Some of the descriptors of the symbology provided on these figures are provided as acronyms or abbreviations; please reference the List of Acronyms in the Table of Contents.

In some cases multiple project components (e.g., AC collection system routes, HVDC alternative routes, and the Applicant Proposed Route) overlap and may not always be visible on the maps.

Chapter 1

Figures in this chapter provide a detailed look at the location of Project features relative to topography and aerial imagery. The Aerial Imagery maps offer the most detailed look at the location of the proposed Project features by providing a large-scale depiction (i.e., show a small area on the ground at a high level of detail) and include locational information such as roads, waterways, county and municipal boundaries, and township/range/section overlaid on recent aerial imagery.

Figure 1.0-1: Topographic Maps

Figure 1.0-2: Aerial Maps

Chapter 2

Figures in this chapter include maps that provide an overview of the location of proposed Project features, depict the typical arrangement of converter station equipment and illustrate transmission structure types.

Figure 2.1-1: Converter Station General Layout

Figure 2.1-2: Proposed Project Overview

Figure 2.1-3: Oklahoma Converter Station Siting Area Property Location and Aerial

Figure 2.1-4: Tennessee Converter Station Siting Area Property Location and Aerial

Figure 2.1-5: 345kV Lattice Deadend and V-string

Figure 2.1-6: 345kV 3-Pole Guyed Deadend and Deadend

Figure 2.1-7: 345kV 3-Pole Guyed Running Angle and Running Angle

Figure 2.1-8: 345kV Double Circuit Pole Deadend and V-string

Figure 2.1-9: 345kV Lattice Single Circuit Guyed Pole Deadend and Deadend

Figure 2.1-10: 345kV Lattice Single Circuit Pole Braced Post and V-string

Figure 2.1-11: 500kV Lattice Deadend and V-string

- Figure 2.1-12: 500kV 3-Pole Guyed Deadend and Deadend
- Figure 2.1-13: 500kV 3-Pole Guyed Running Angle and Running Angle
- Figure 2.1-14: 500kV Double Circuit Pole Deadend and V-string
- Figure 2.1-15: 500kV Lattice Single Circuit Guyed Pole Deadend and Deadend
- Figure 2.1-16: 500kV Single Circuit Pole Braced Post and V-string
- Figure 2.1-17a through 2.1-17f: Counties Crossed by Project Features
- Figure 2.1-18: HVDC ROW Limits
- Figure 2.1-19: 600kV Lattice Deadend and Running Angle
- Figure 2.1-20: 600kV Monopole Deadend and Running Angle
- Figure 2.1-21: 600kV Monopole Tangent
- Figure 2.1-22: 600kV Guyed Mast Tubular Tangent and Guyed V-tube Tangent
- Figure 2.1-23: 600kV Guyed Monopole Tangent and Guyed Chainette Tangent
- Figure 2.1-24: 600kV Guyed Mast Lattice Tangent and Guyed V-lattice Tangent
- Figure 2.1-25: 600kV Lattice Crossing Structure
- Figure 2.1-26: AC Collection System Routes
- Figure 2.1-27: AC ROW Limits
- Figure 2.1-28: Typical Access Roads
- Figure 2.1-29: HVDC Transmission Line Construction Sequence
- Figure 2.1-30: Conductor and Ground-wire Stringing Activities
- Figure 2.1-31: Multi-use Construction Yard
- Figure 2.1-32: Regeneration Station

Chapter 3

Chapter 3 figures include maps depicting the spatial data that DOE used to describe the affected environment and identify potential impacts associated with the Project features such as the HVDC Applicant Proposed Route and HVDC alternative routes, converter station siting areas, AC interconnection areas, wind development zones, and the AC collection system.

Data are mapped at varying scales and extents in the Chapter 3, based on the spatial distribution of the data and the appropriate scale to represent the level of accuracy of the data. The extents to which the data is mapped are dependent upon data availability and requirements to adequately depict the affected environment and potential impacts. Data are generally mapped beyond the Region of Influence (ROI) to provide a larger regional context; data mapped beyond the ROI may not be described in Chapter 3.

- Figure 3.2-1a through Figure 3.2-1f: Cropland
- Figure 3.3-1: Air Quality Monitoring Stations
- Figure 3.5-1a through Figure 3.5-1f: Low-income Populations
- Figure 3.6-1: Shale Plays
- Figure 3.6-2: Seismic Hazards
- Figure 3.6-3: Landslide Incidence & Susceptibility
- Figure 3.6-4: Karst Areas
- Figure 3.6-5: Liquefaction Susceptibility
- Figure 3.6-6a through Figure 3.6-6f: Mineral Resources
- Figure 3.6-7a through Figure 3.6-7f: Prime Farmland
- Figure 3.6-8: Major Land Resource Areas
- Figure 3.6-9a through Figure 3.6-9f: Restrictive Layer Depth
- Figure 3.6-10a through Figure 3.6-10f: EPA Sites
- Figure 3.7-1: Major and Principal Aquifers
- Figure 3.9-1: National Register of Historic Places
- Figure 3.10-1a through Figure 3.10-1f: Jurisdiction
- Figure 3.10-2a through Figure 3.10-2f: Existing Structures and Infrastructure
- Figure 3.10-3a through Figure 3.10-3f: Land Cover
- Figure 3.10-4a through Figure 3.10-4f: Communications Structures
- Figure 3.14-1a through Figure 3.14-1b: Lesser Prairie-chicken Habitat
- Figure 3.14-2: Whooping Crane Migration Corridor
- Figure 3.14-3: Critical Habitat
- Figure 3.15-1a through Figure 3.15-1f: Watersheds
- Figure 3.15-2a through Figure 3.15-2f: Surface Water
- Figure 3.16-1a through Figure 3.16-1f: Transportation Resources
- Figure 3.17-1a through Figure 3.17-1f: Level III Ecoregions
- Figure 3.18-1: Overall Visual Assessment Process
- Figure 3.18-2: Visual Resources Inventory Process
- Figure 3.18-3a through Figure 3.18-3f: Landscape Category/Key Observation Points
- Figure 3.18-4: Visual Resources Impact Assessment Process

Chapter 4

Chapter 4 figures depict the projects that DOE analyzed for cumulative effects at a scale similar to the Chapter 3 figures.

- Figure 4.2-1a through Figure 4.2-1f: Present and Reasonably Foreseeable Future Actions

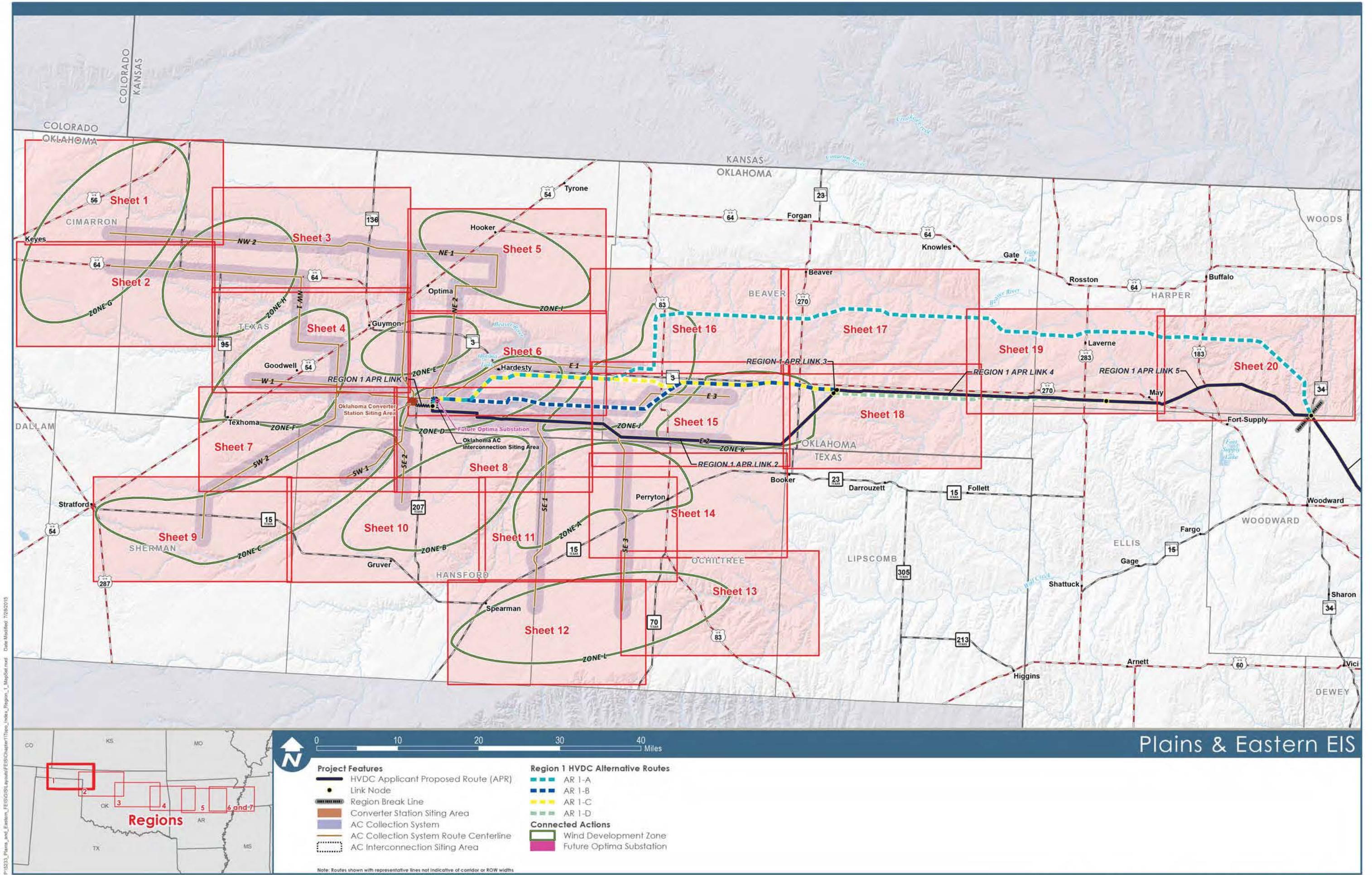
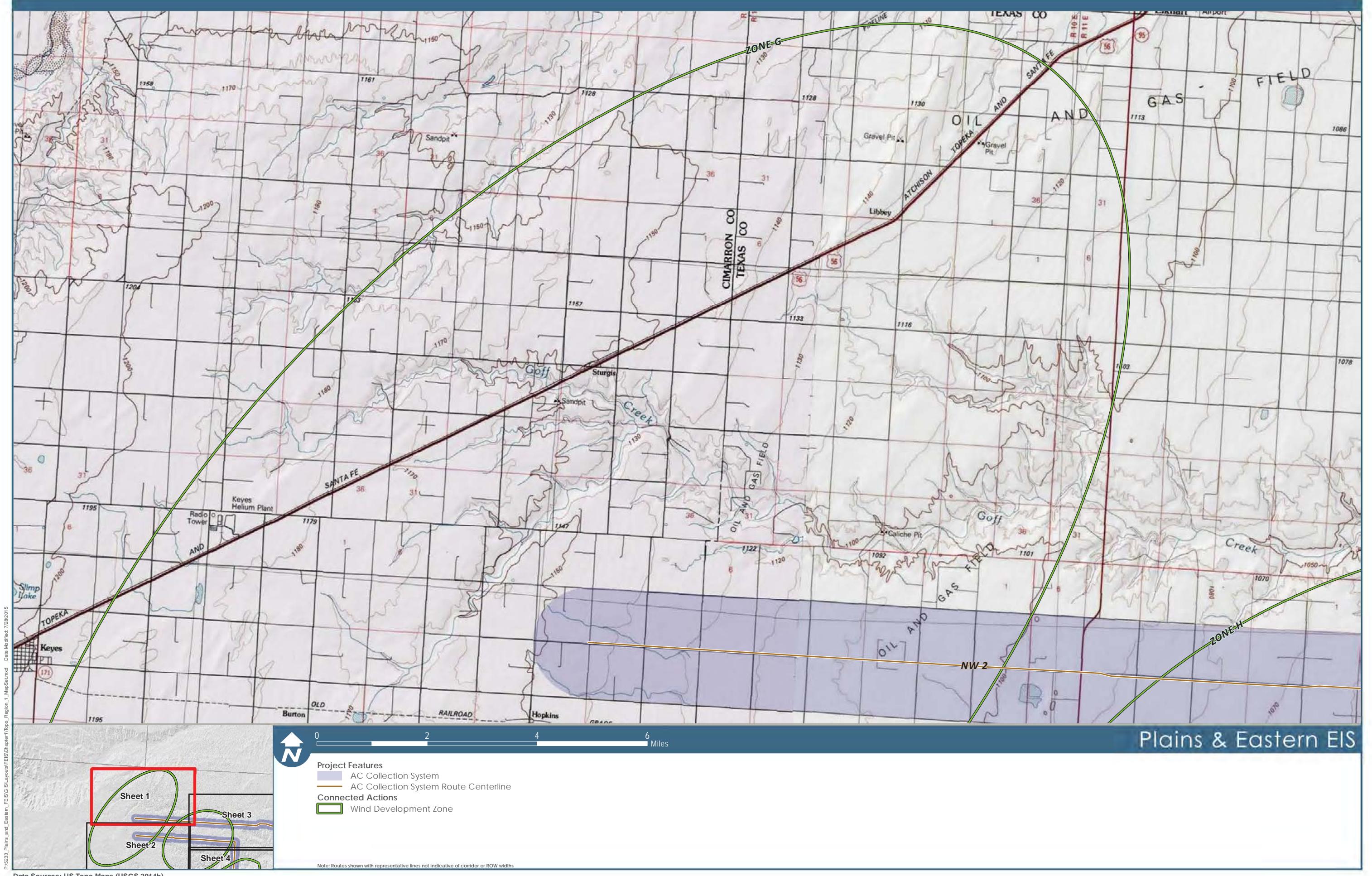


Figure 1.0-1: Topographic Map Index Region 1



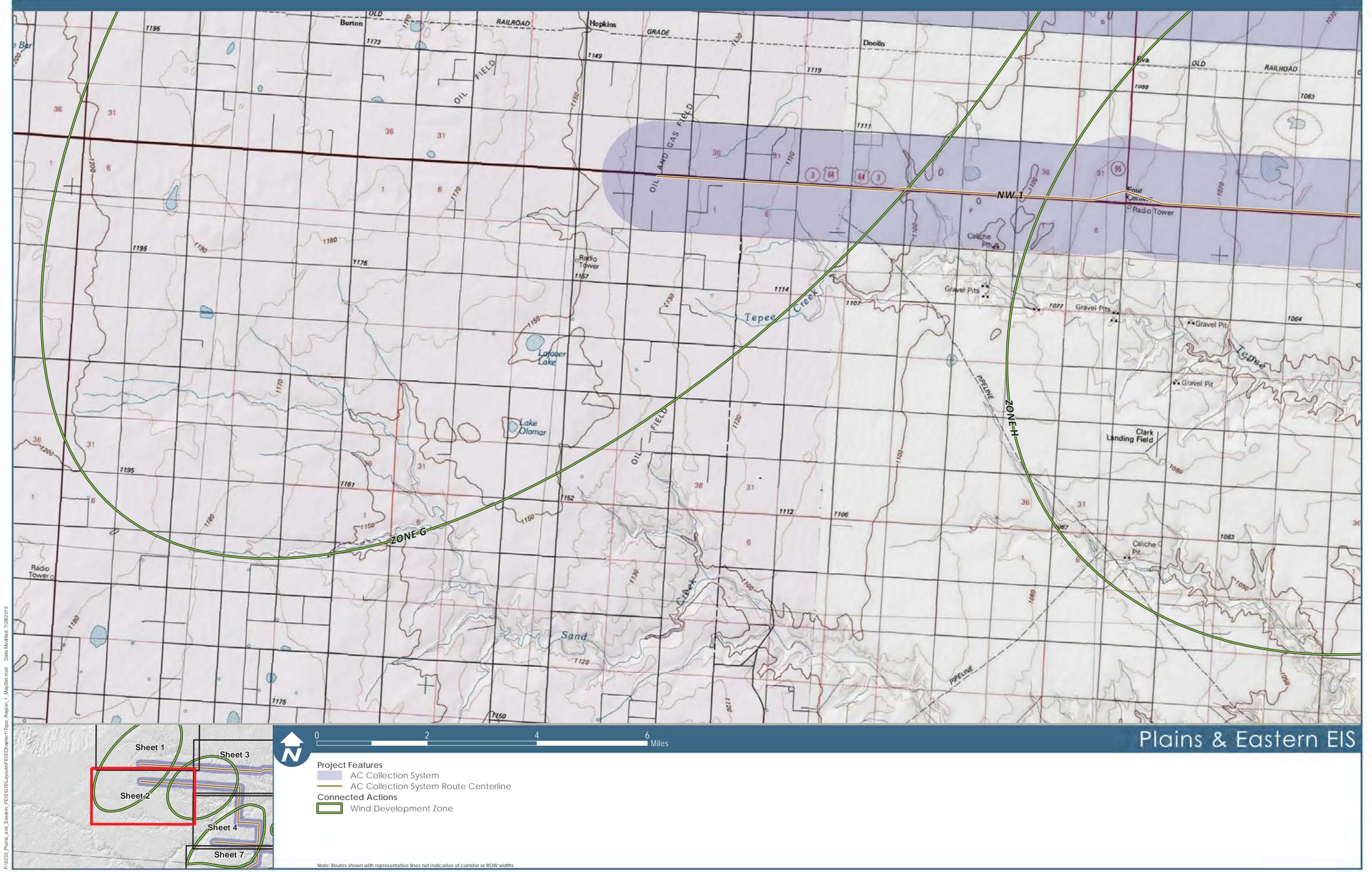


Figure 1.0-1: Topographic Map Region 1, Sheet 2

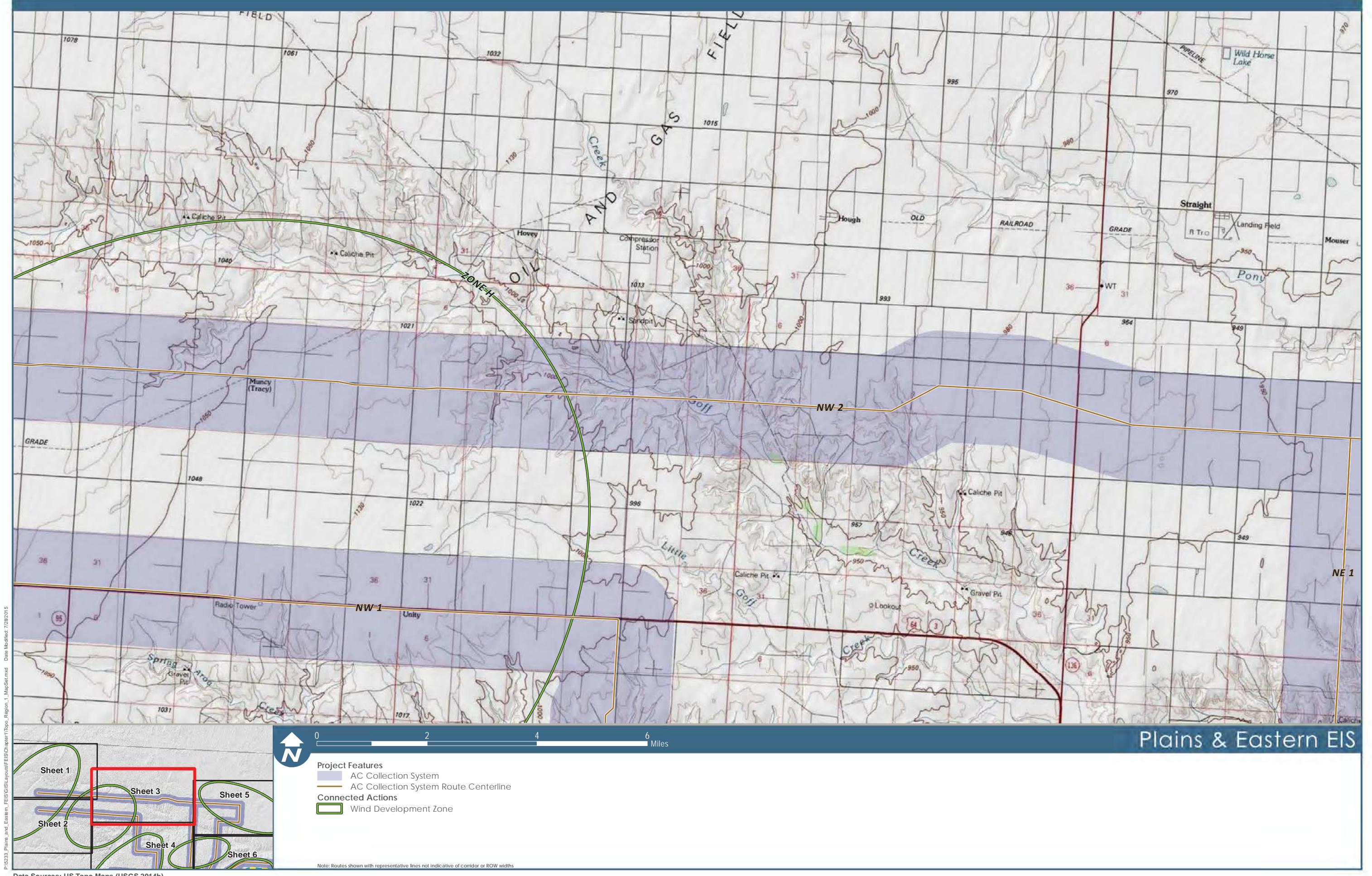




Figure 1.0-1: Topographic Map Region 1, Sheet 4

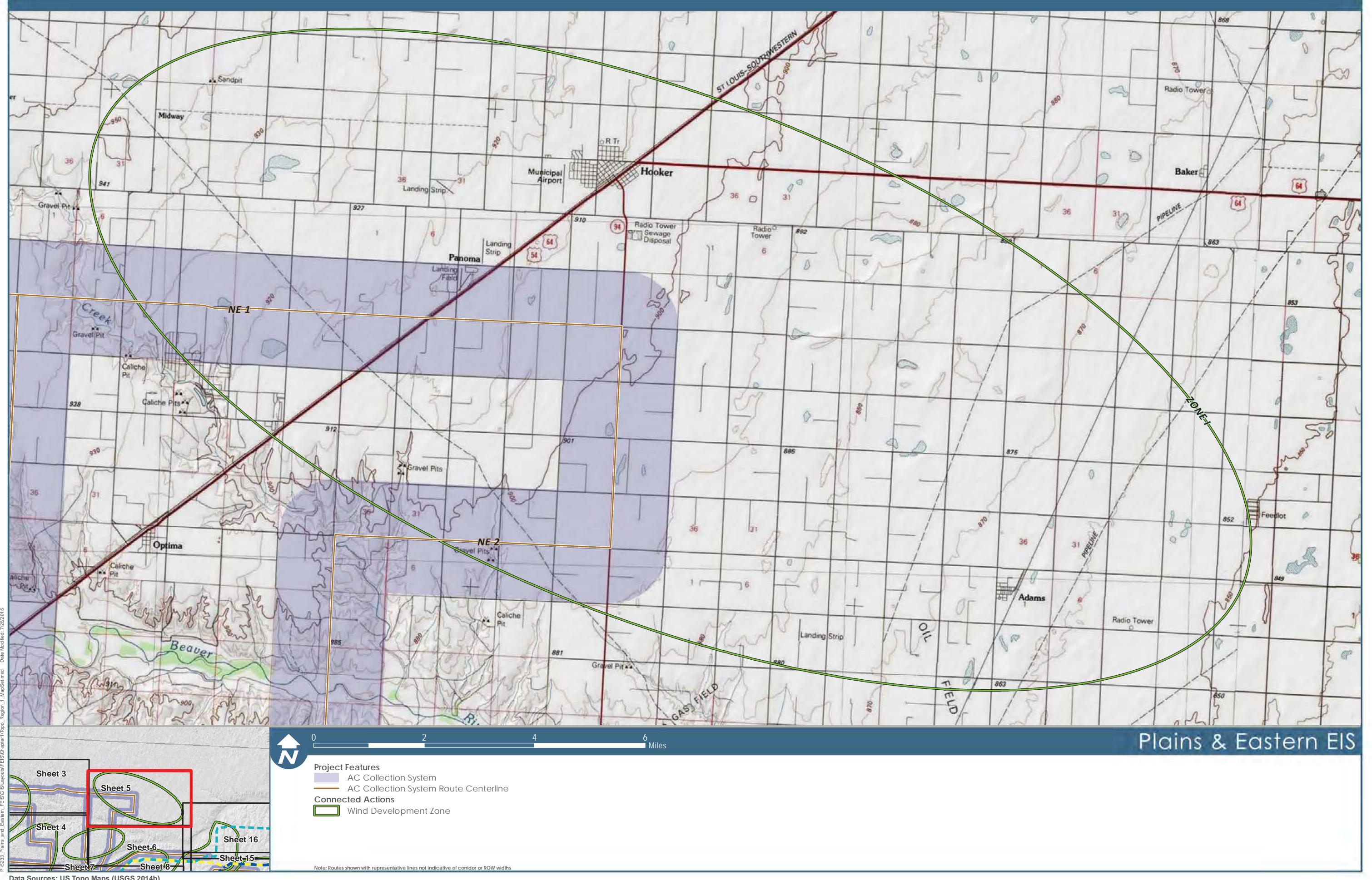


Figure 1.0-1: Topographic Map Region 1, Sheet 5

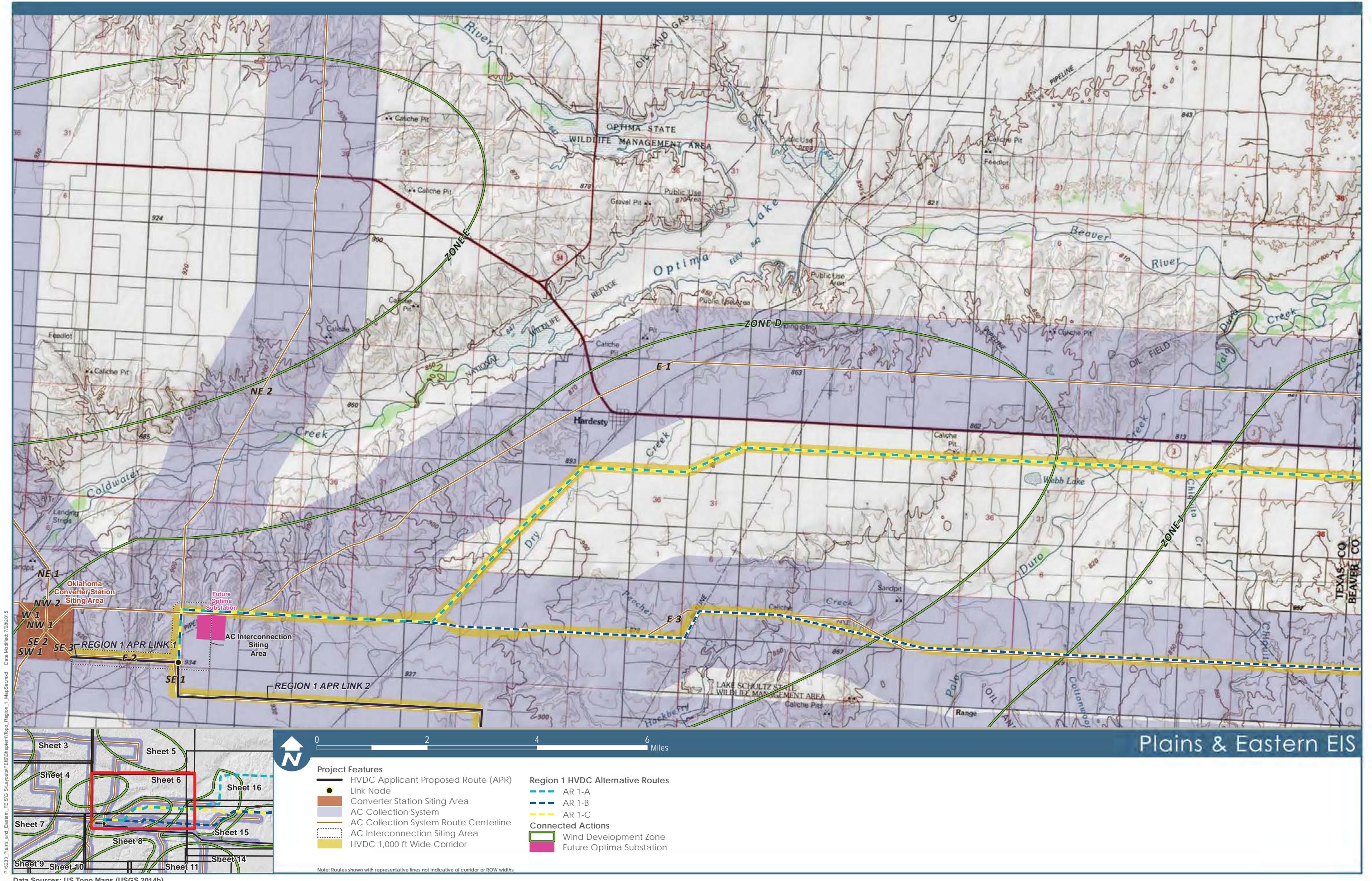


Figure 1.0-1: Topographic Map Region 1, Sheet 6

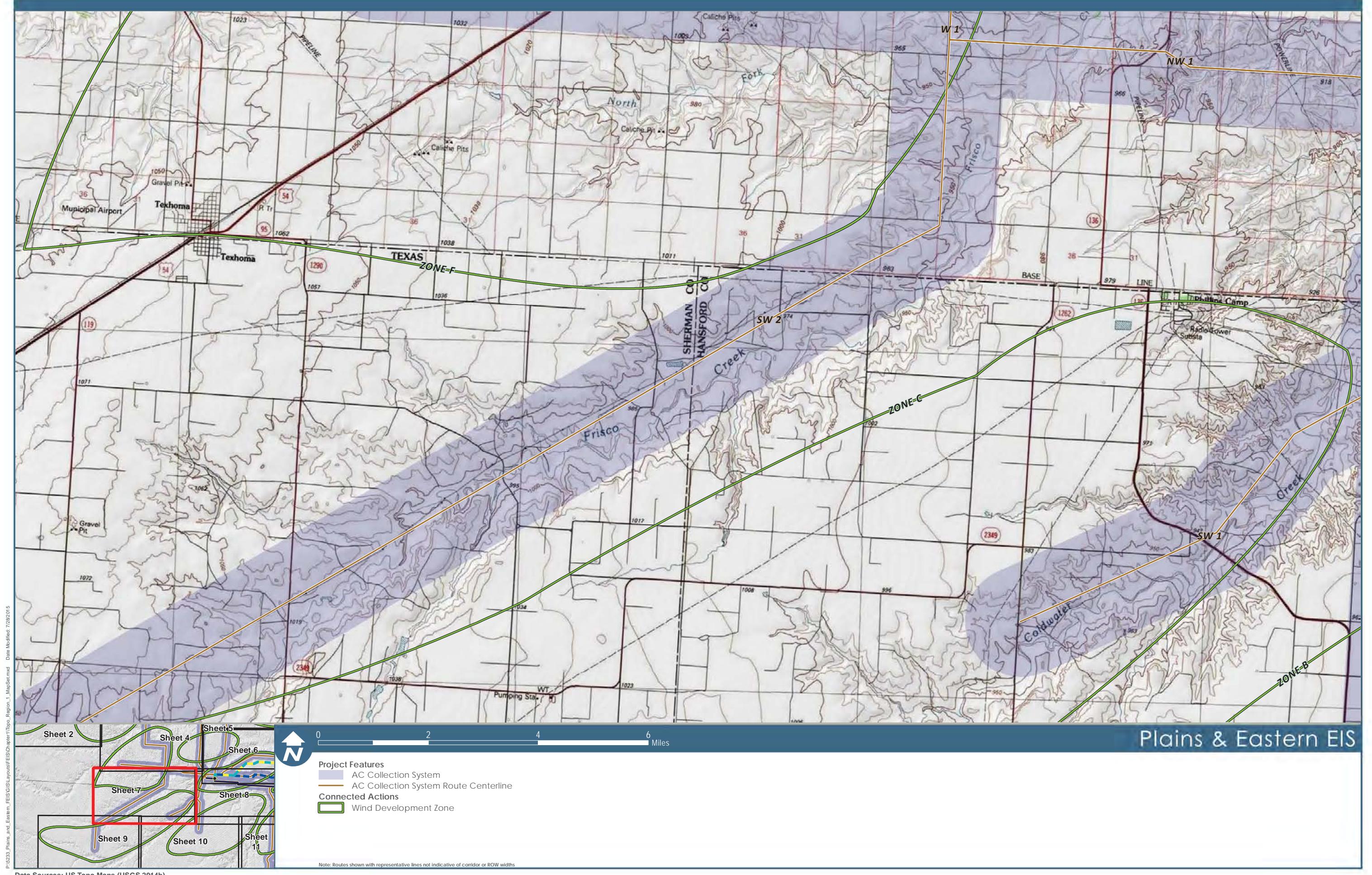


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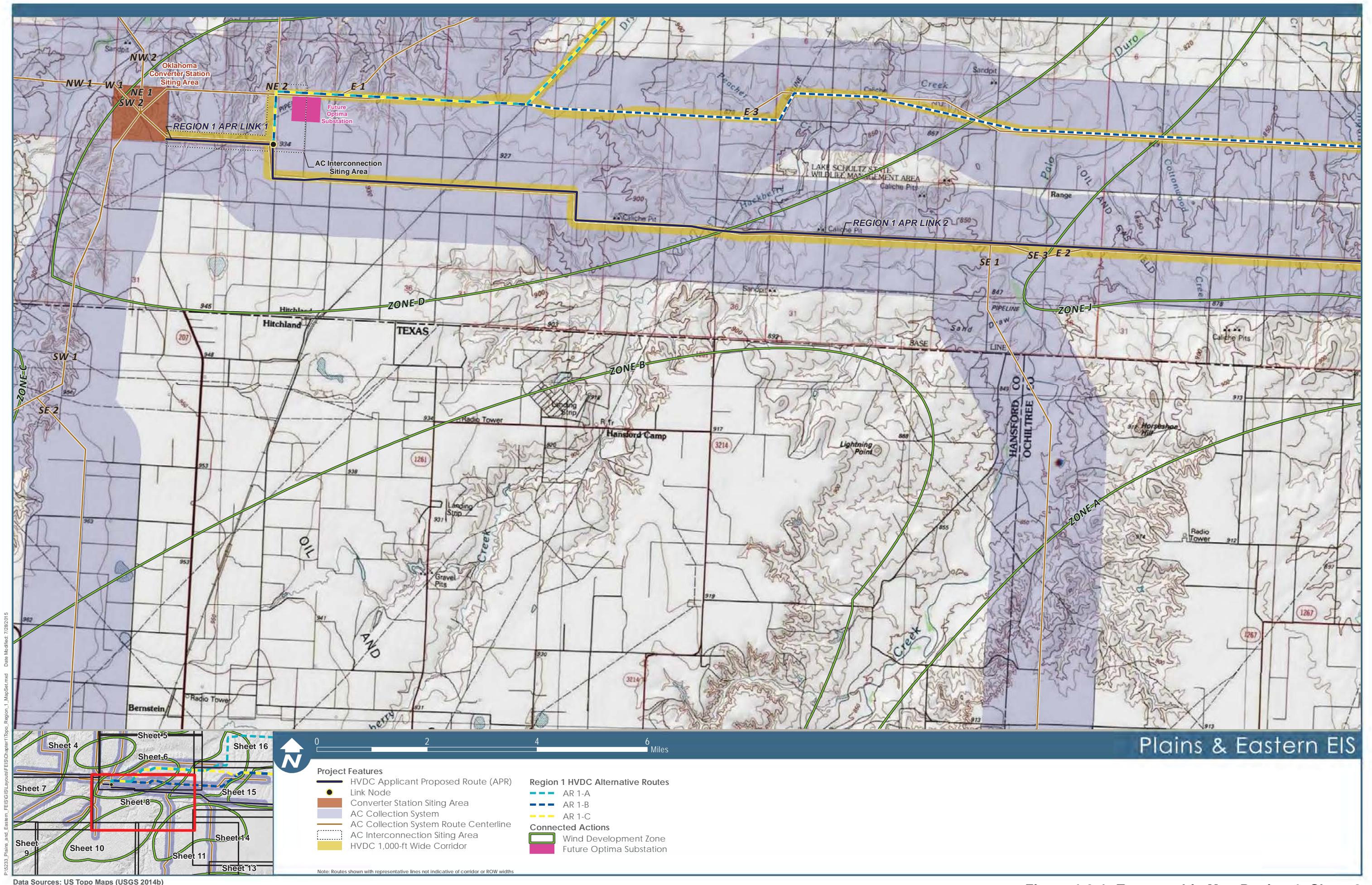


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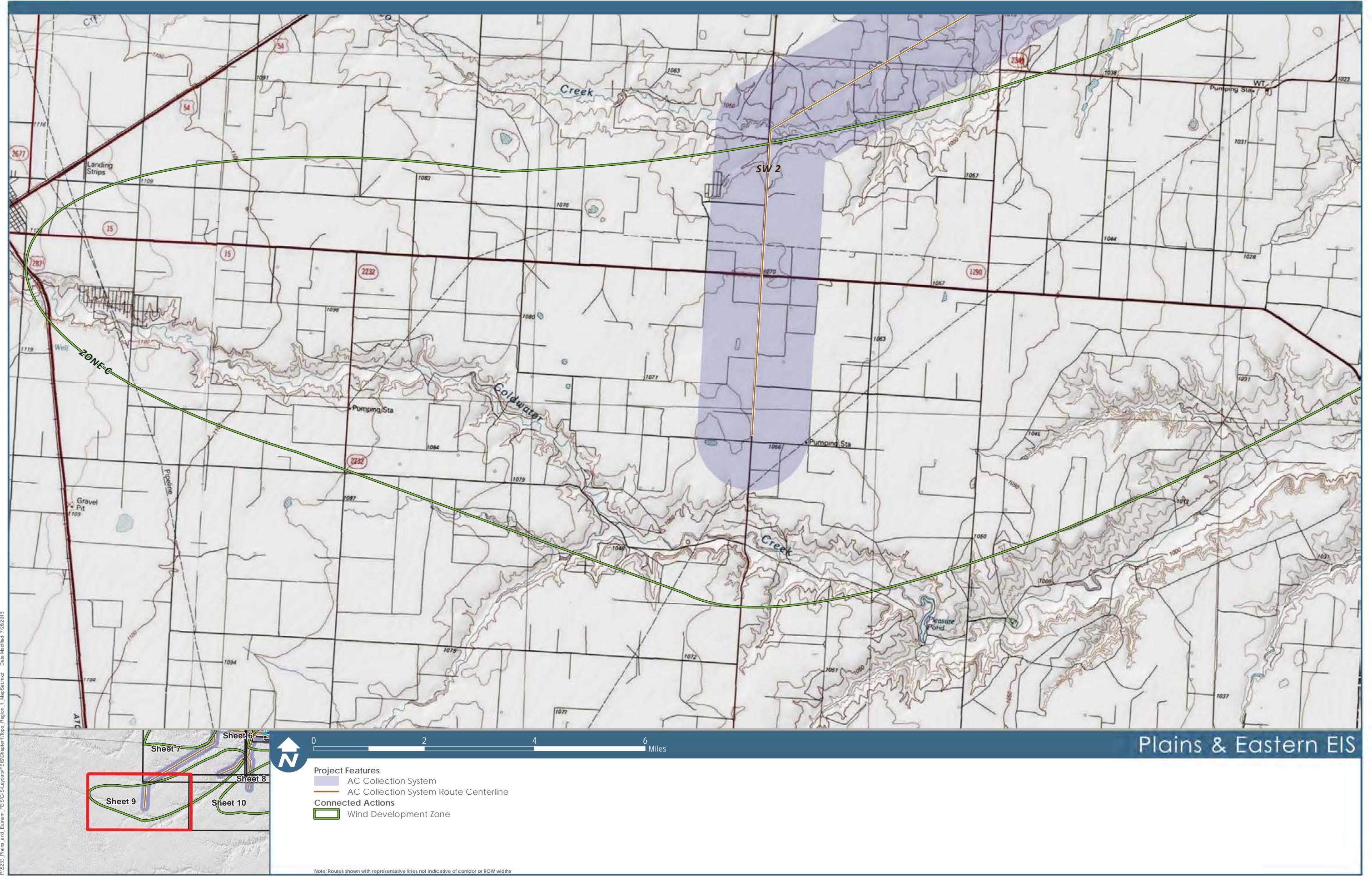
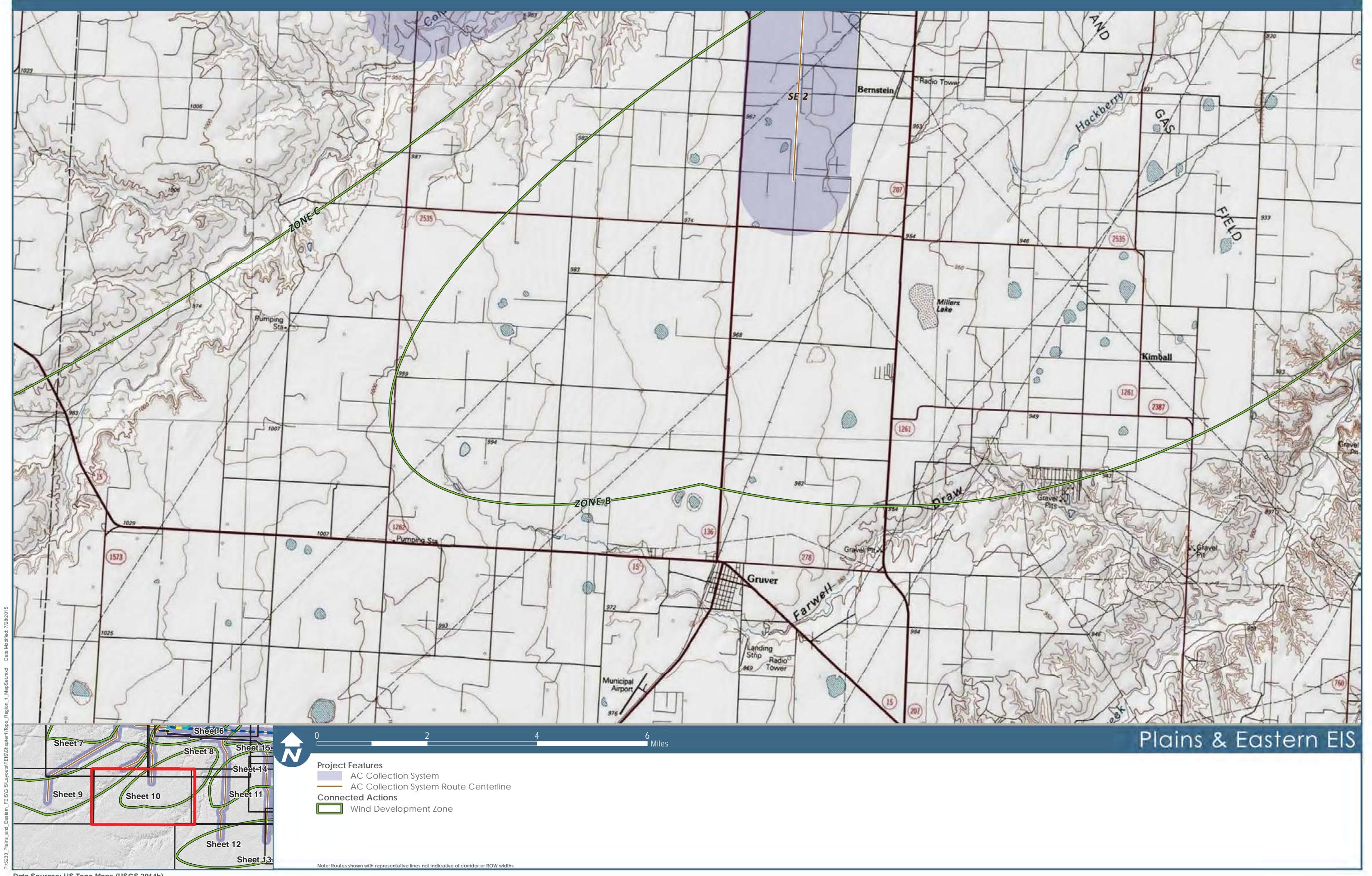
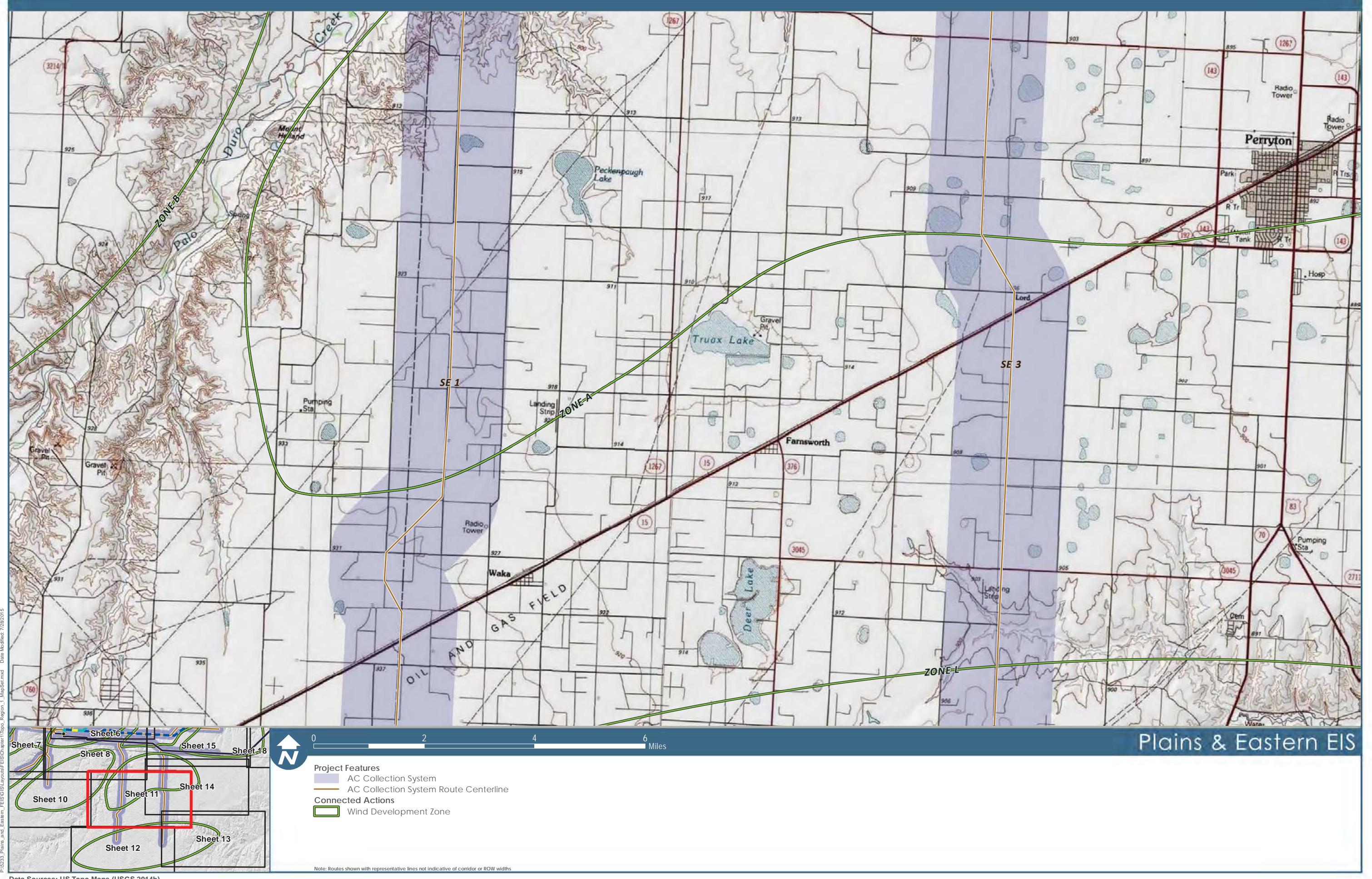
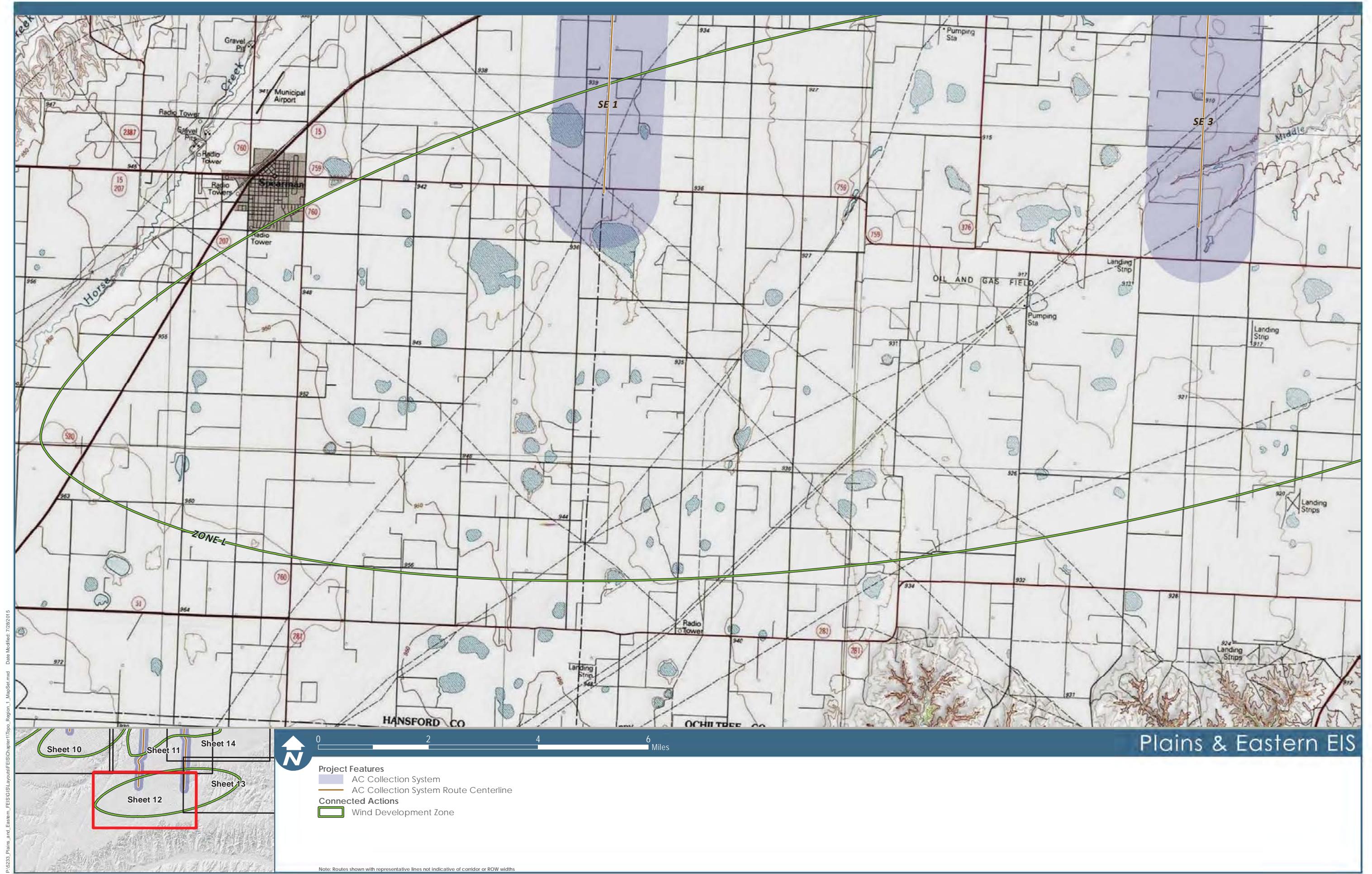


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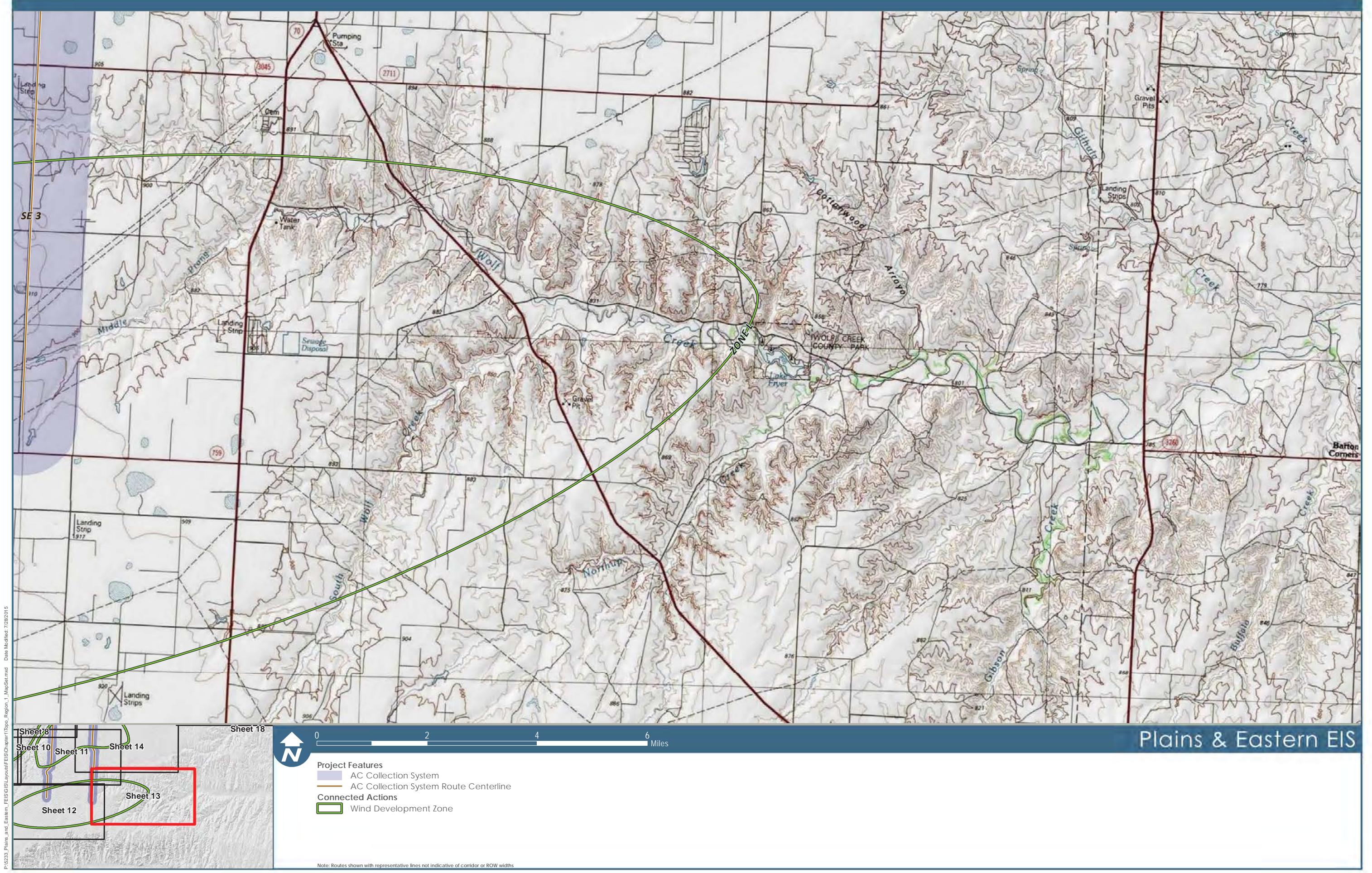
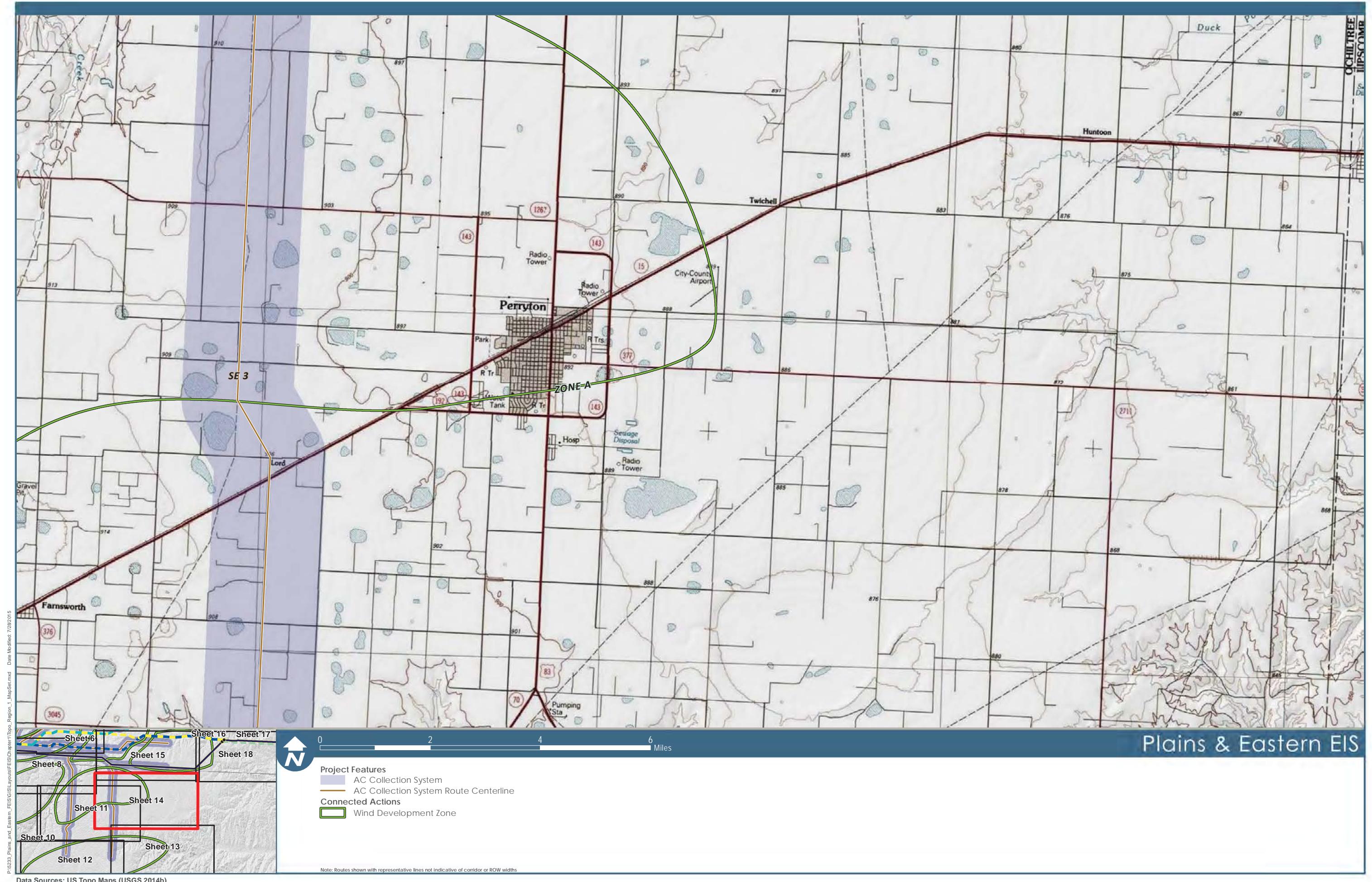


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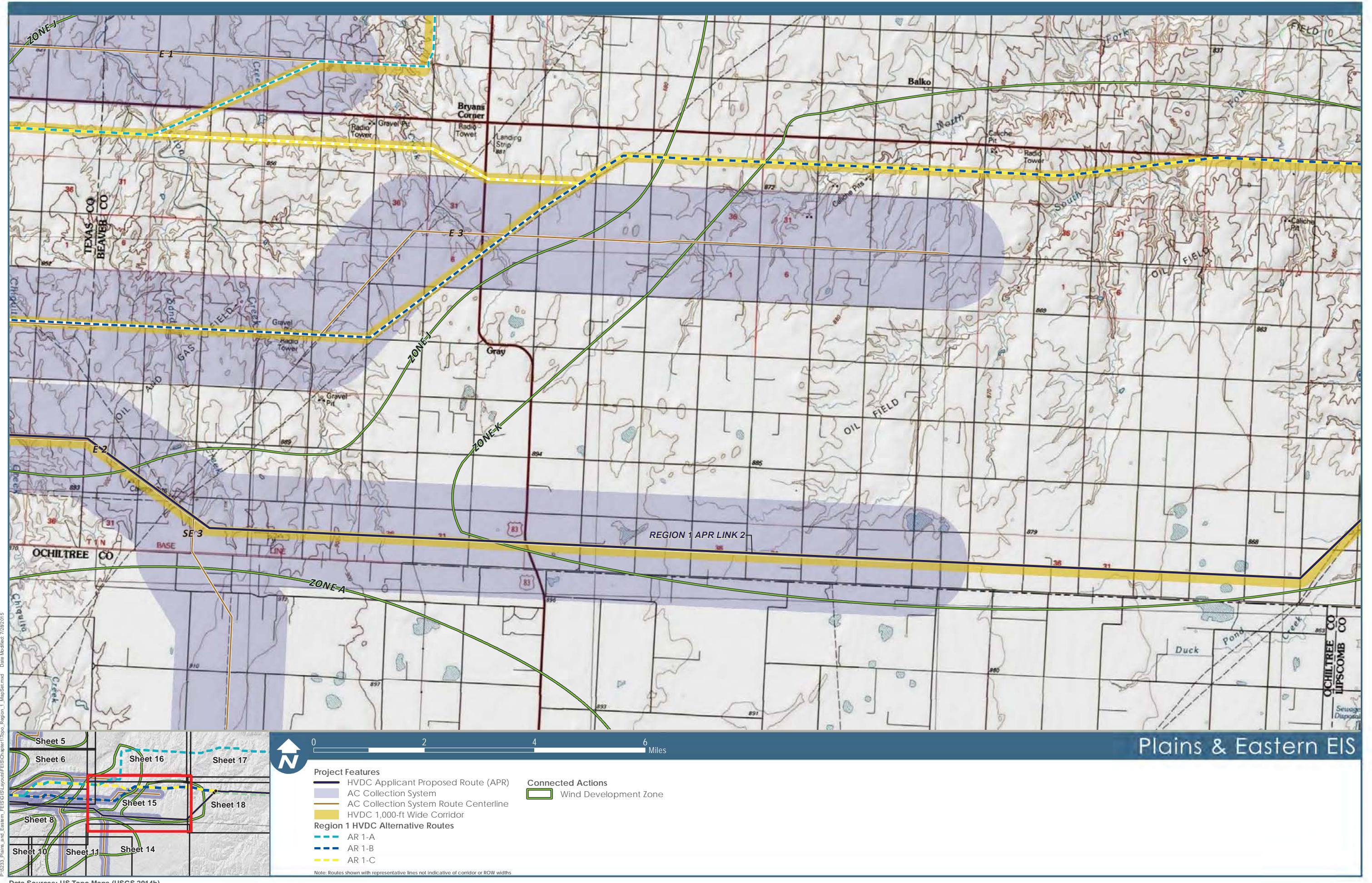


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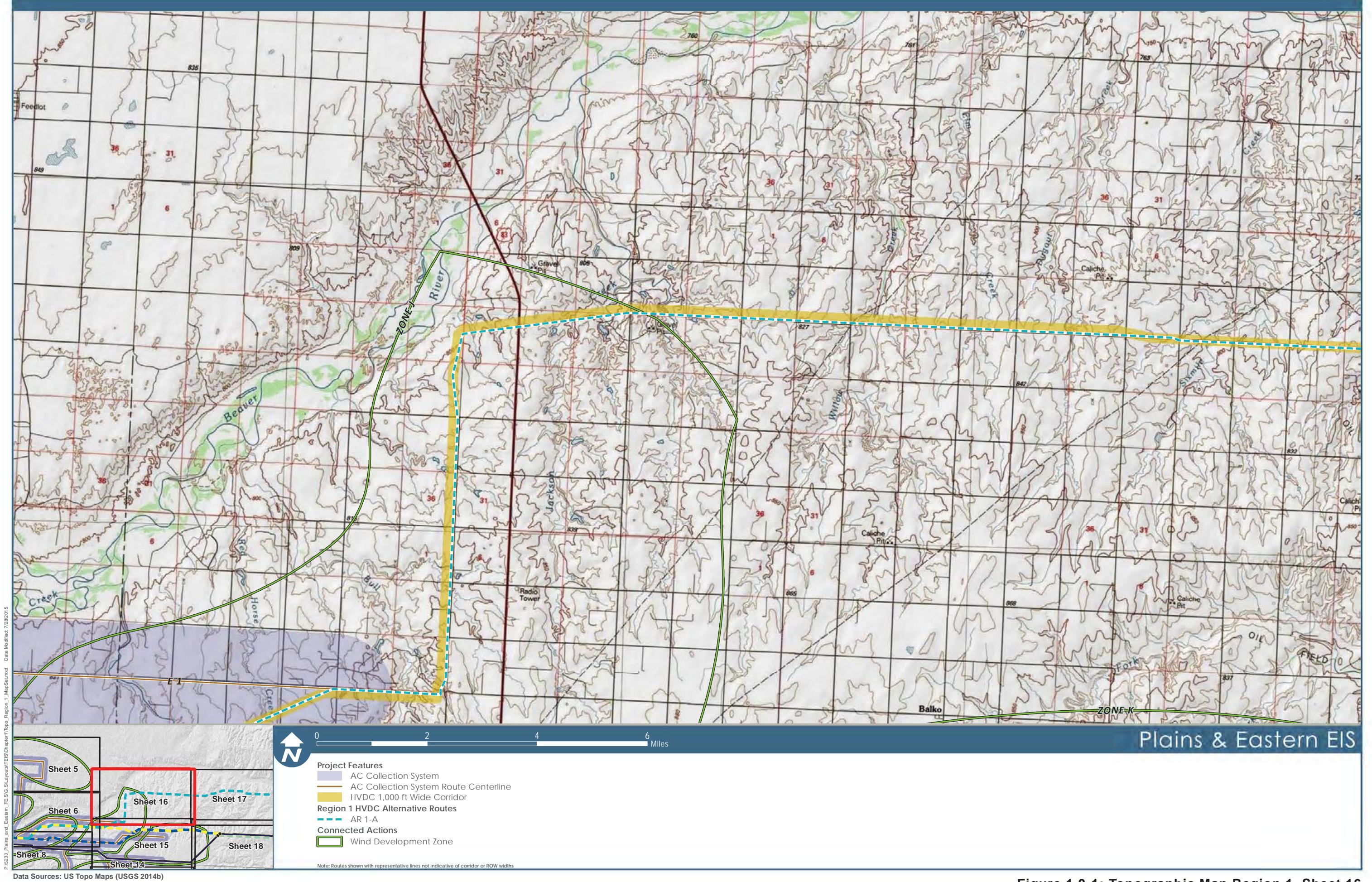


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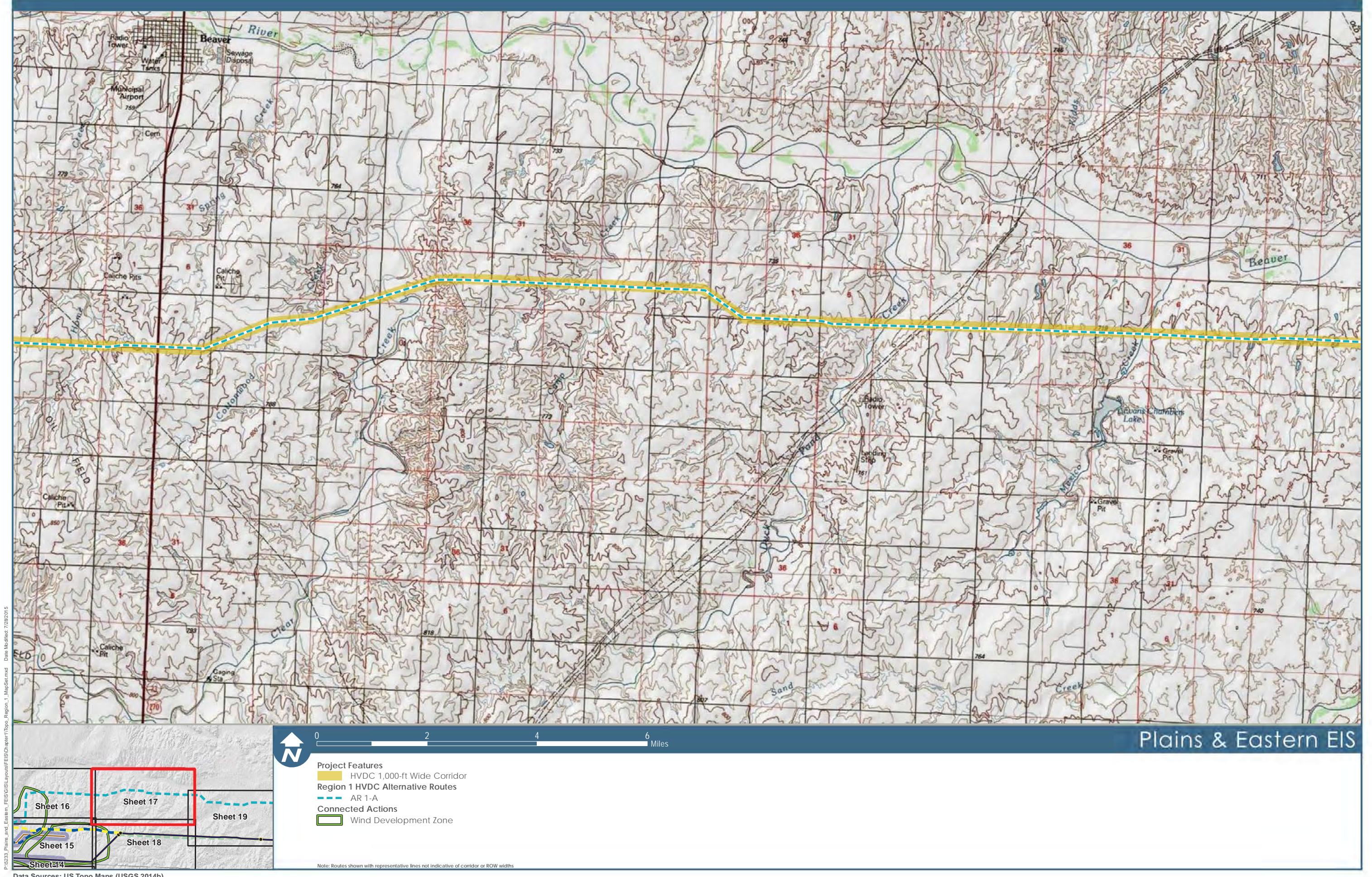


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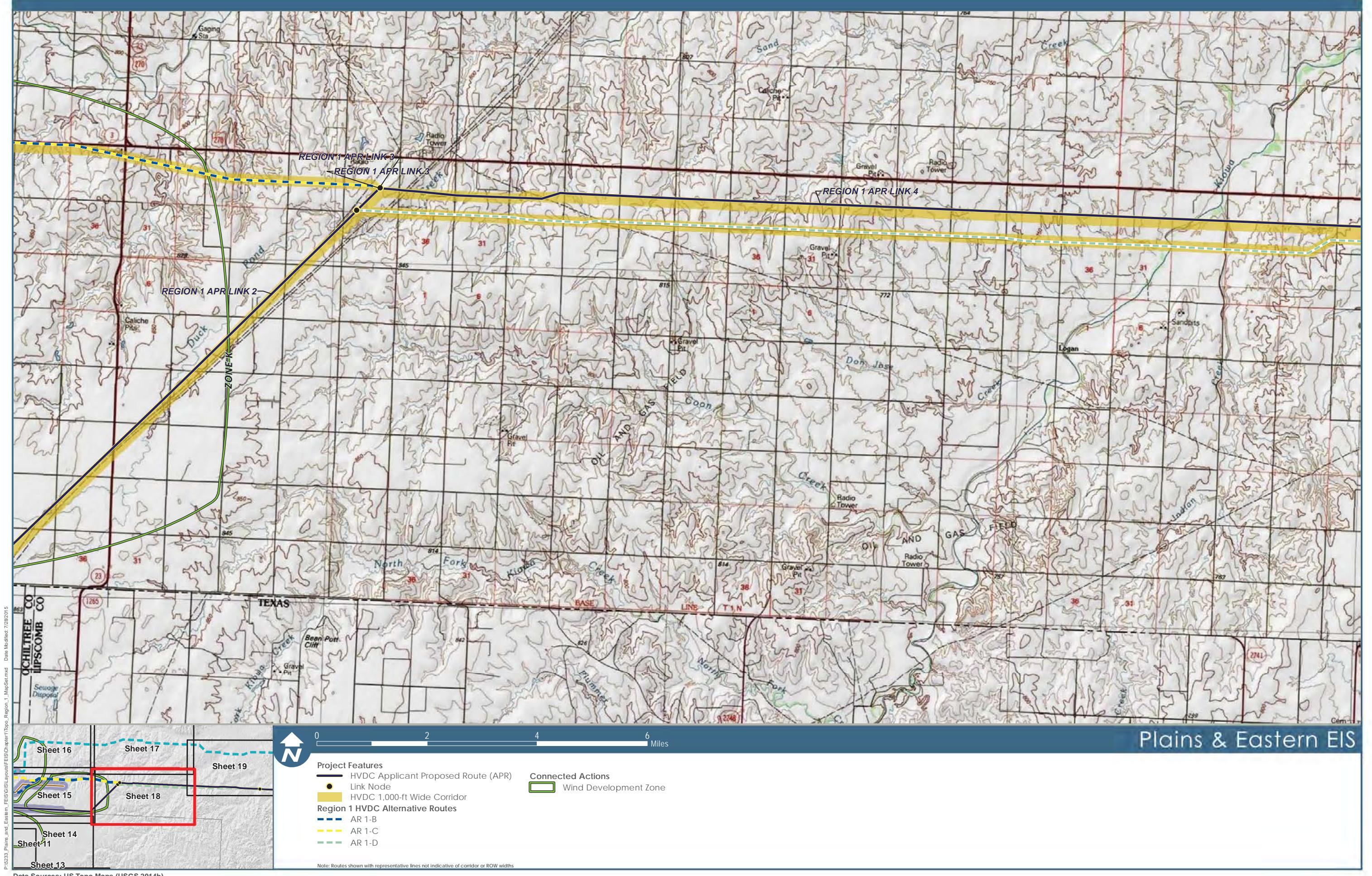


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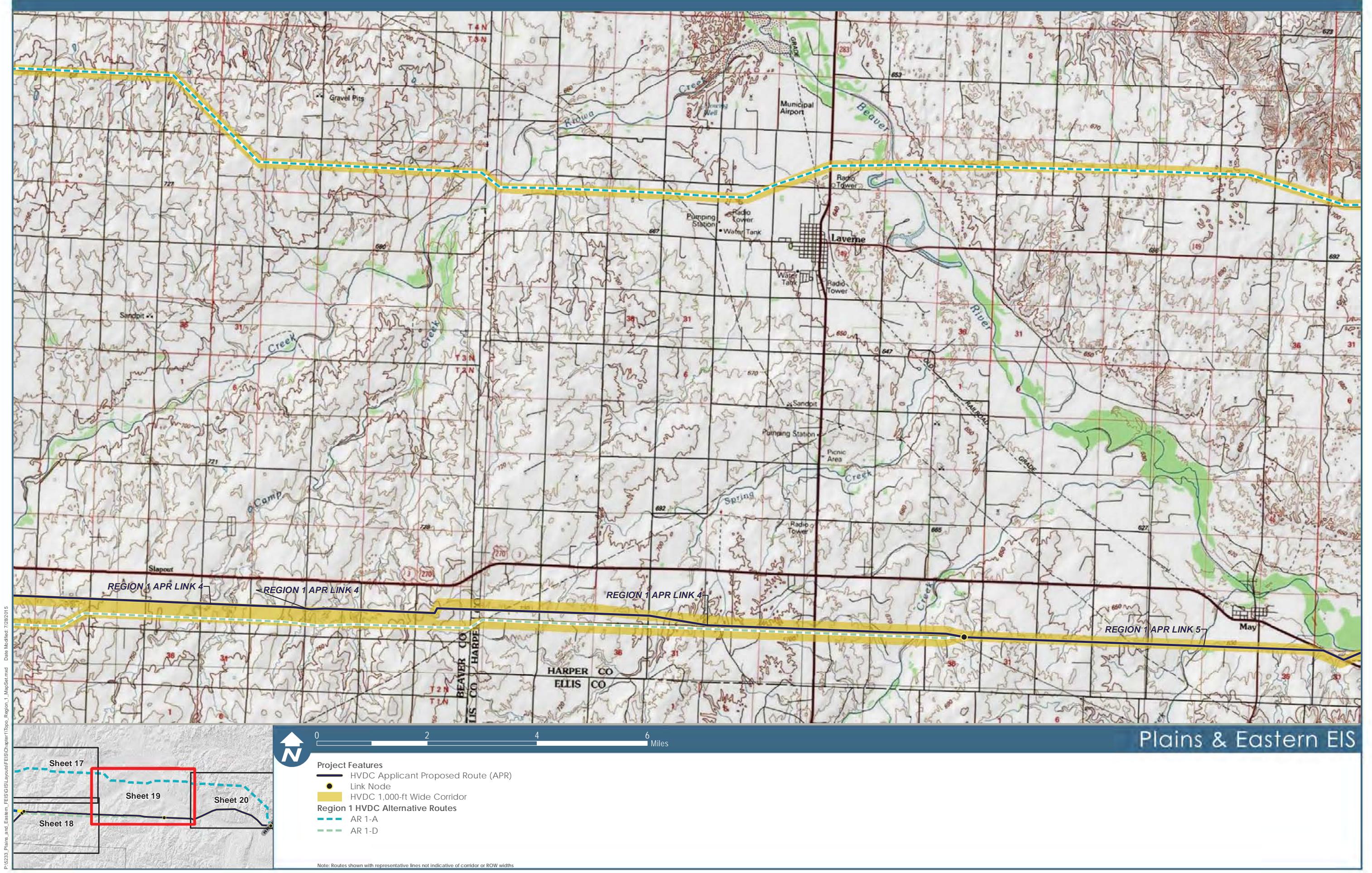


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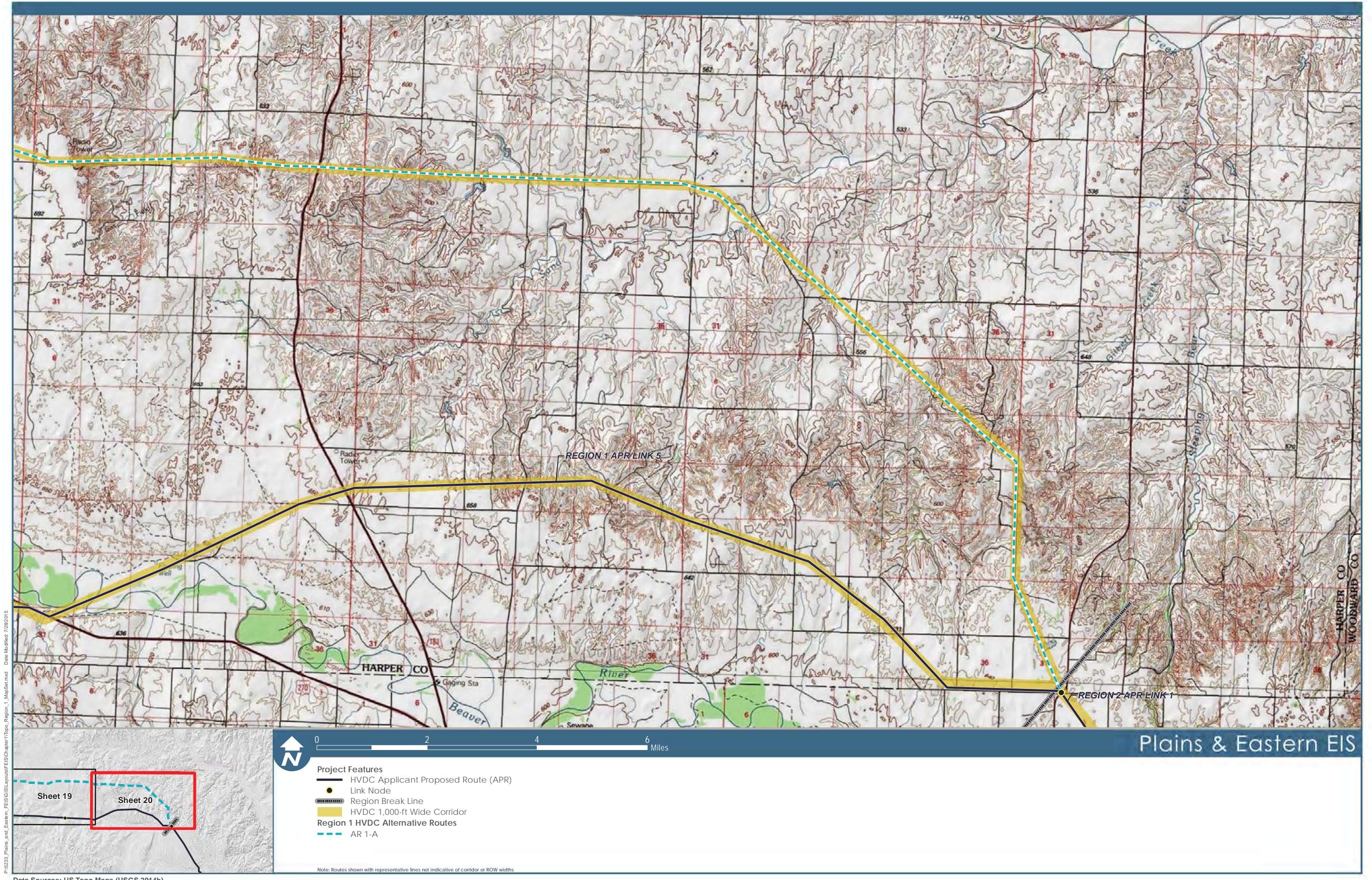


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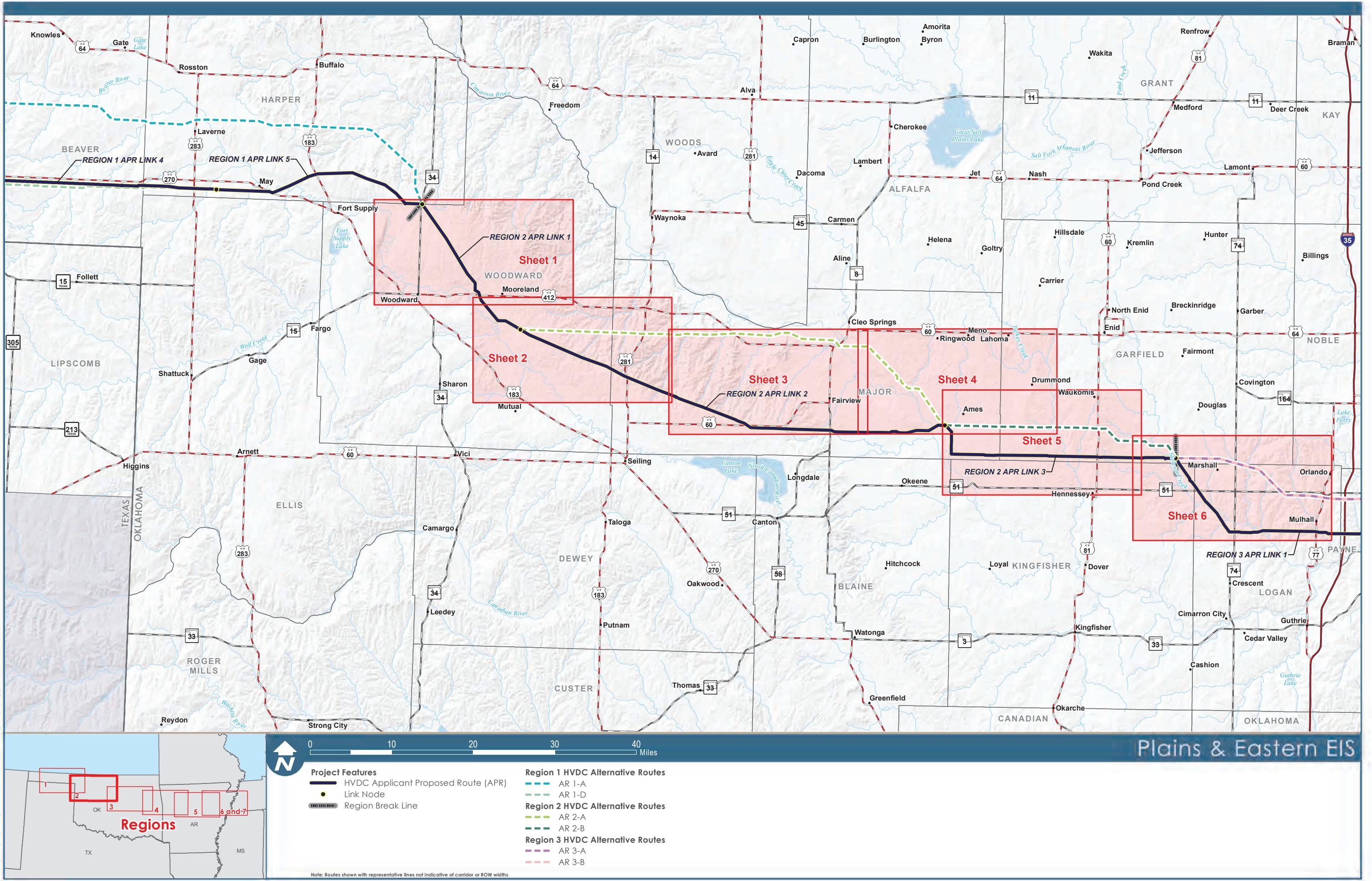


Figure 1.0-1: Topographic Map Index Region 2

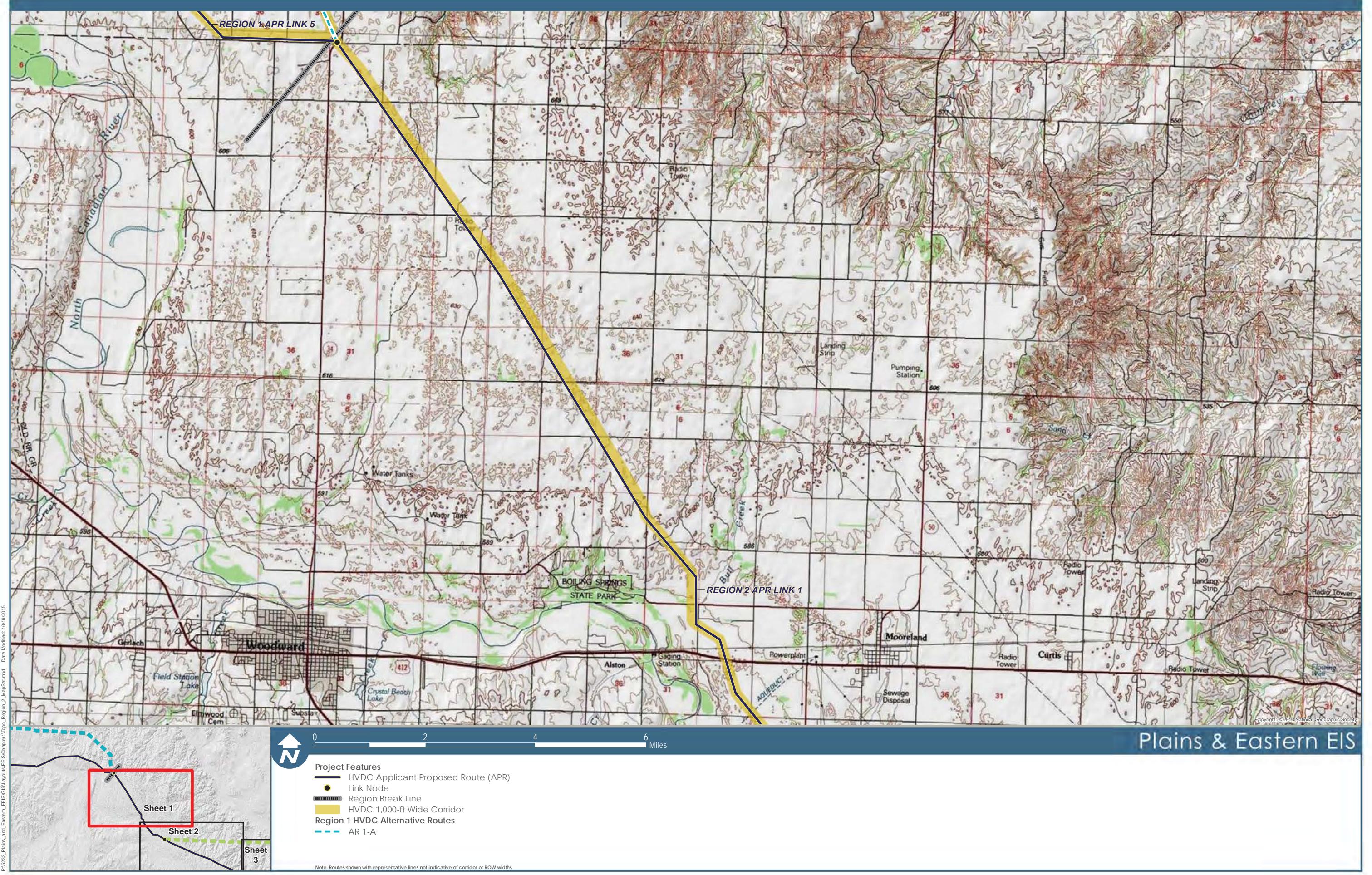
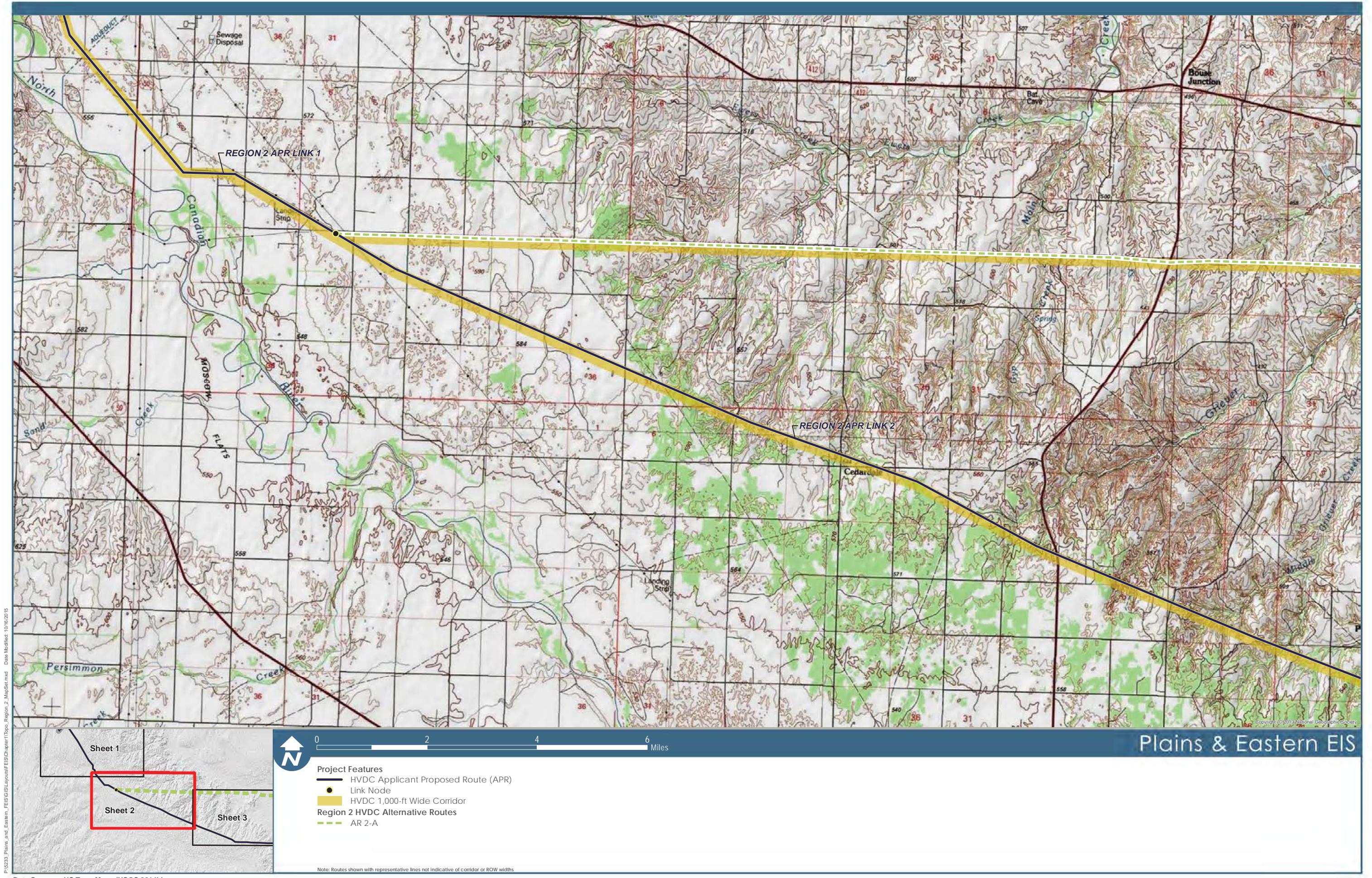


Figure 1.0-1: Topographic Map Region 2, Sheet 1



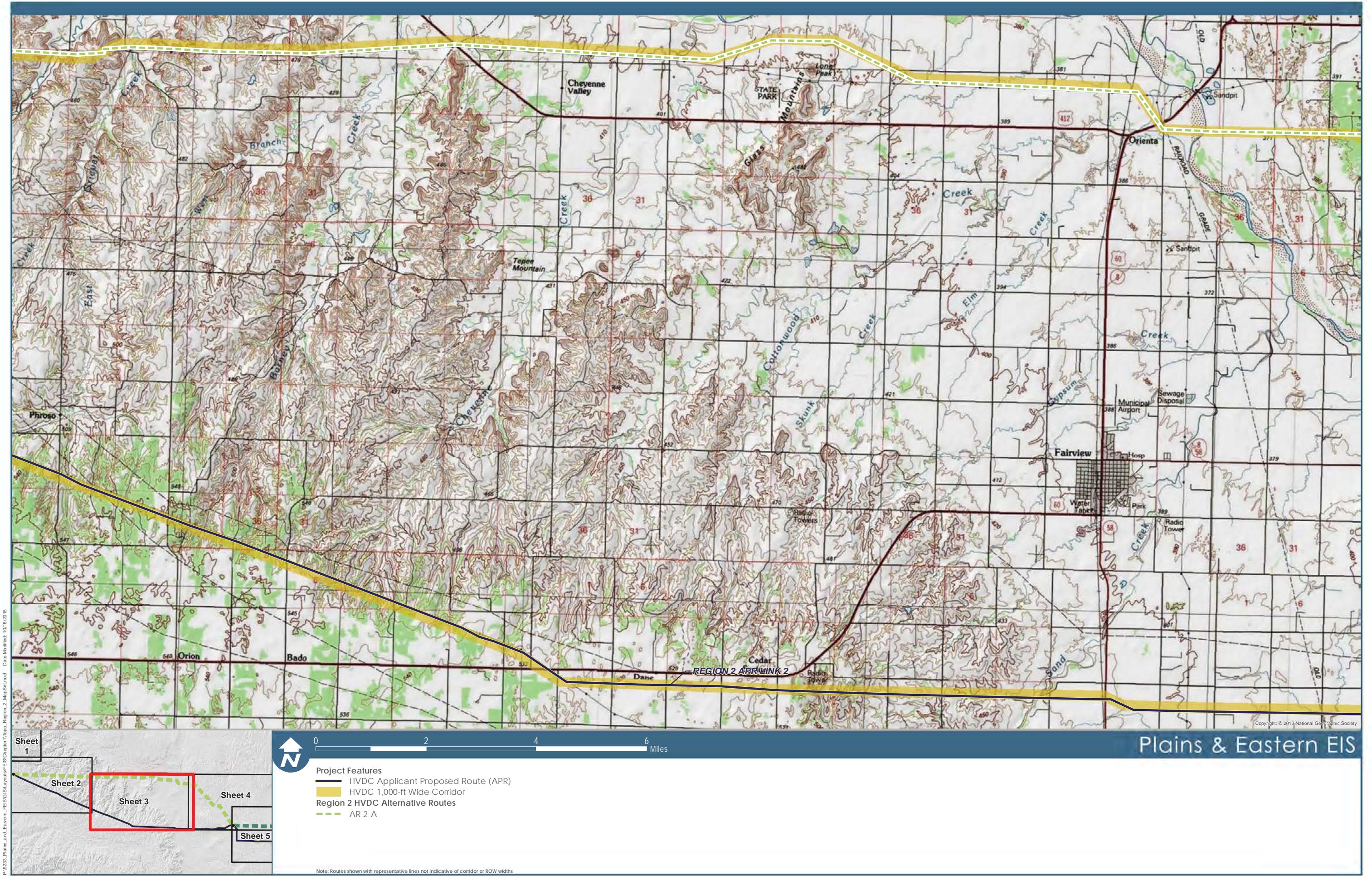
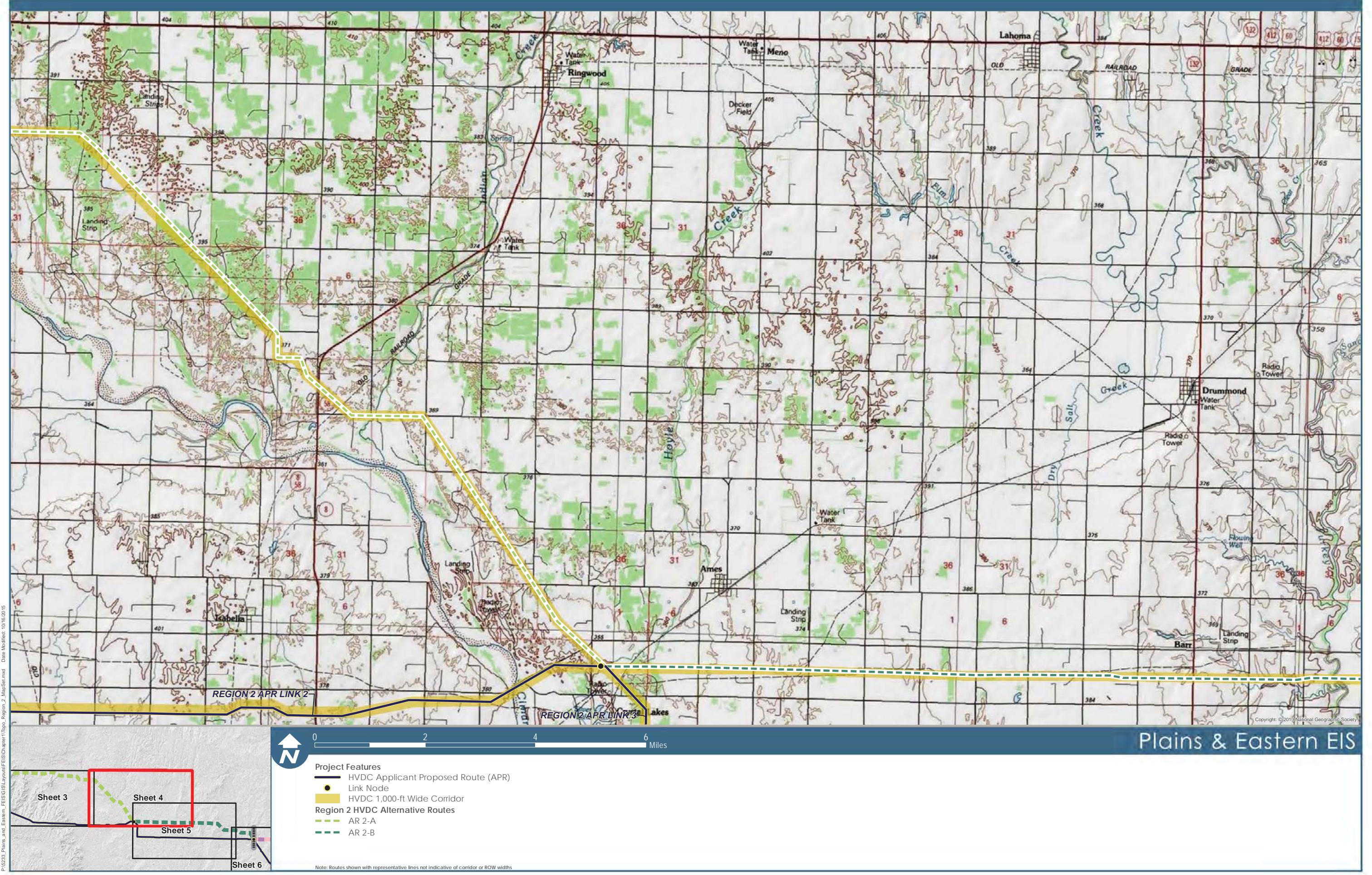


Figure 1.0-1: Topographic Map Region 2, Sheet 3



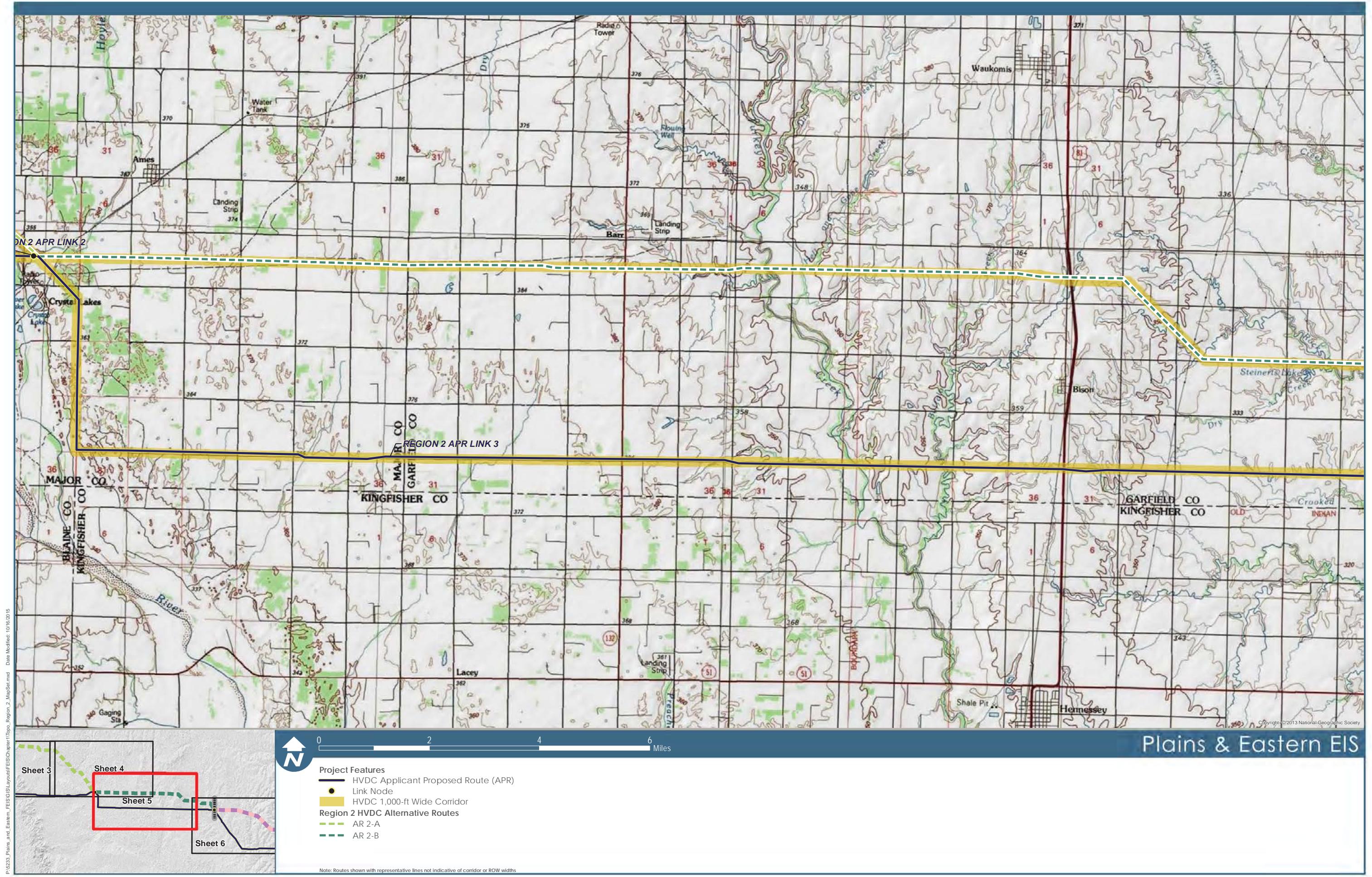


Figure 1.0-1: Topographic Map Region 2, Sheet 5

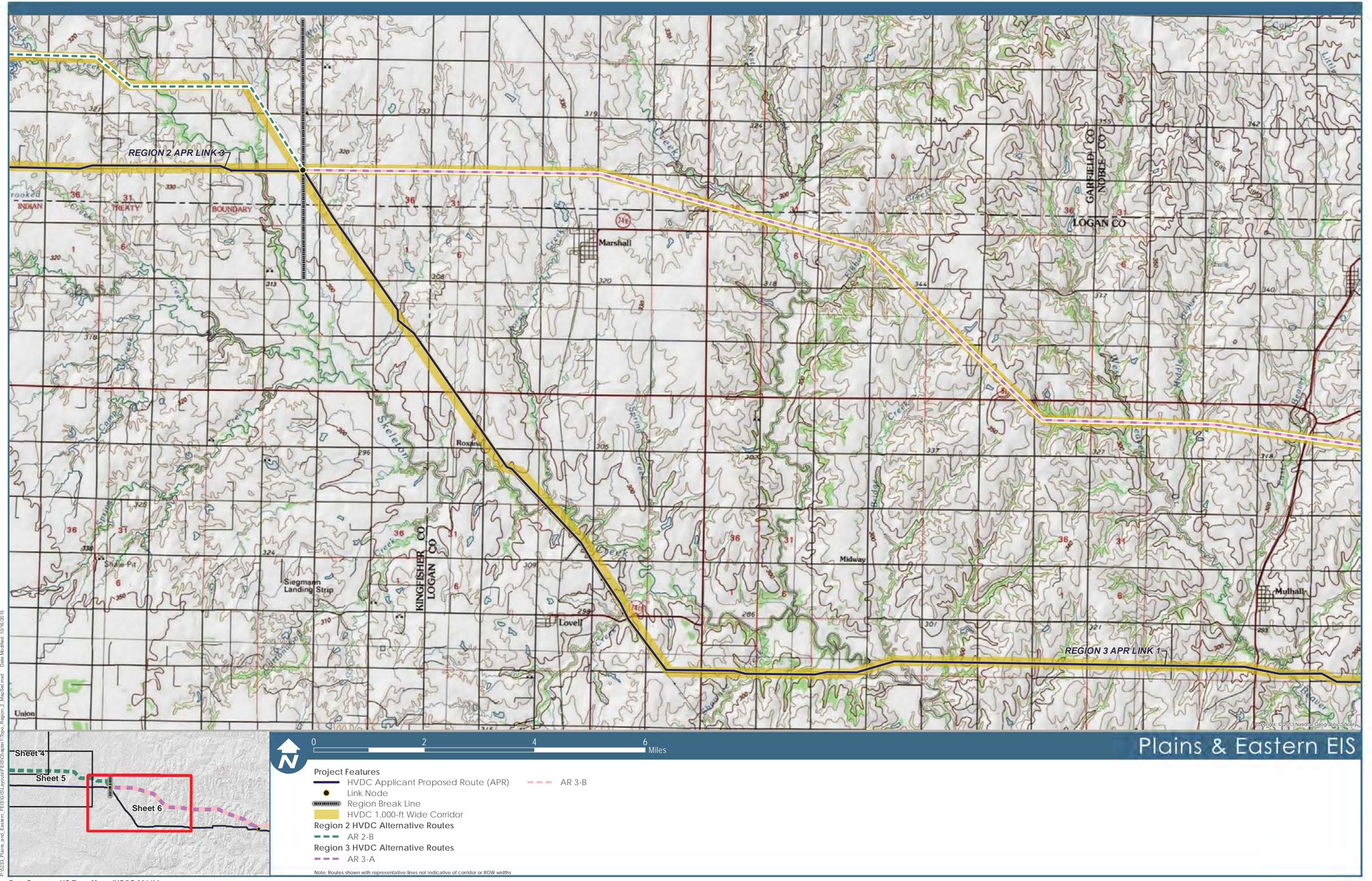


Figure 1.0-1: Topographic Map Region 2, Sheet 6

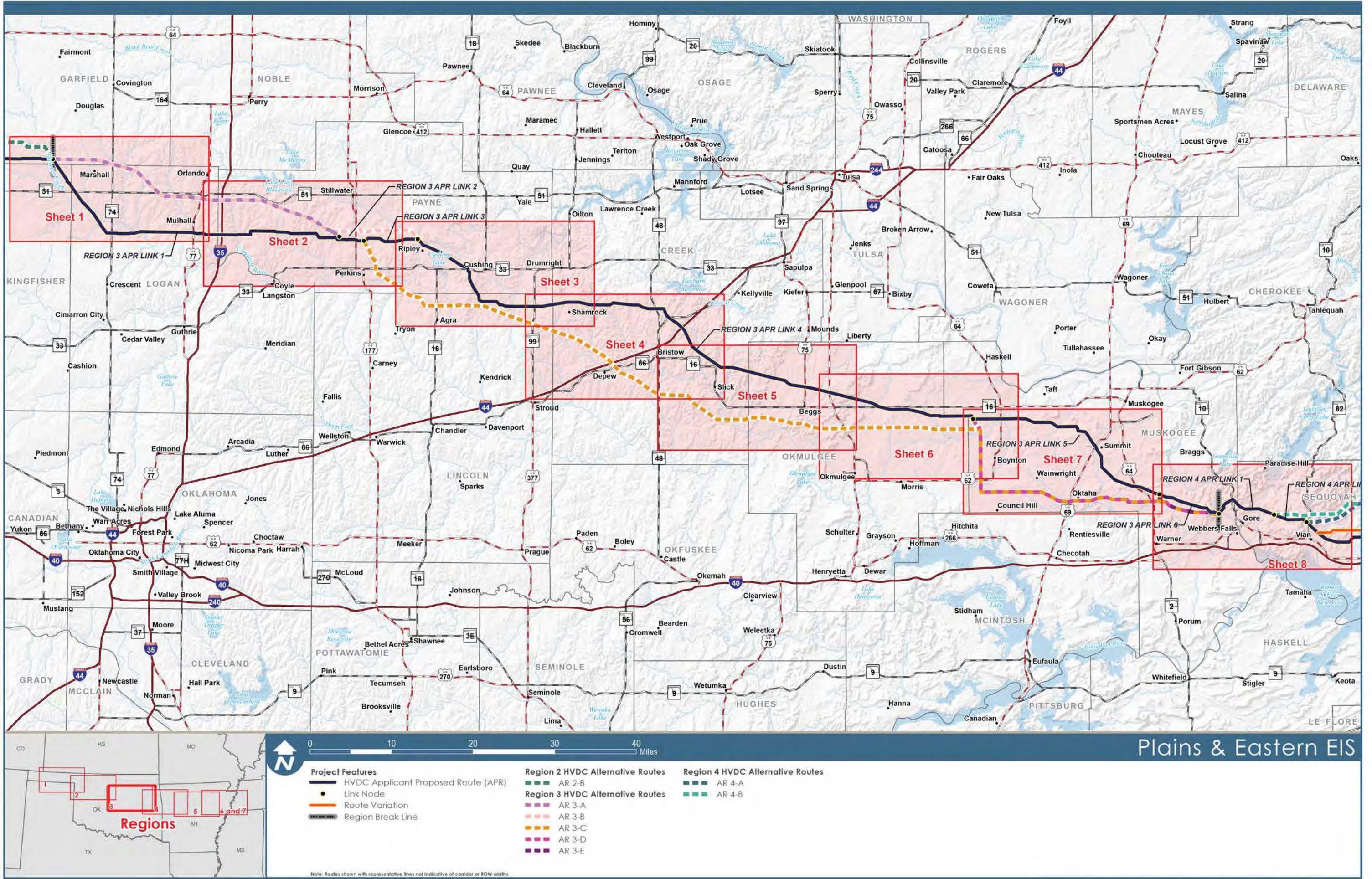


Figure 1.0-1: Topographic Map Index Region 3

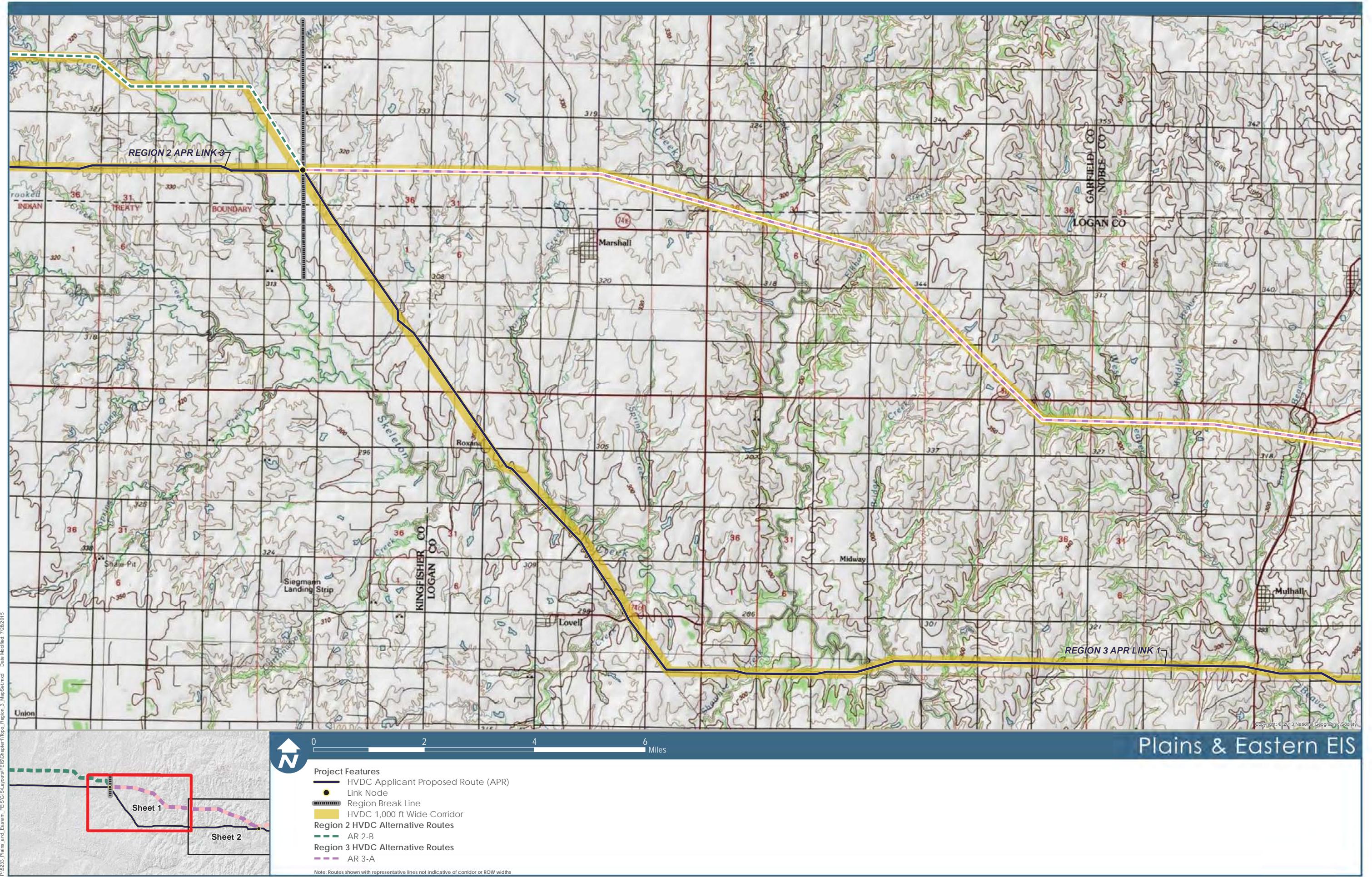
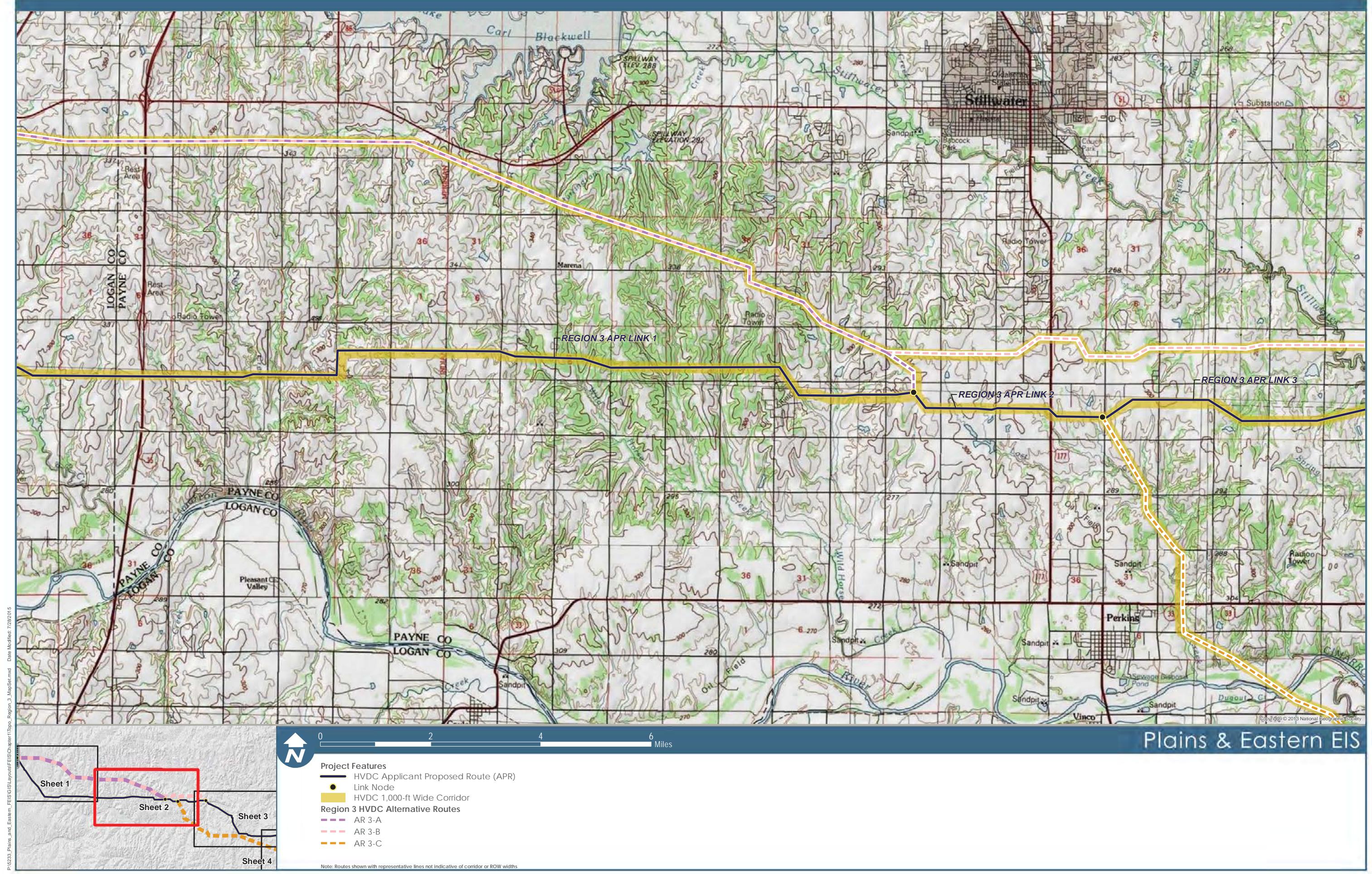
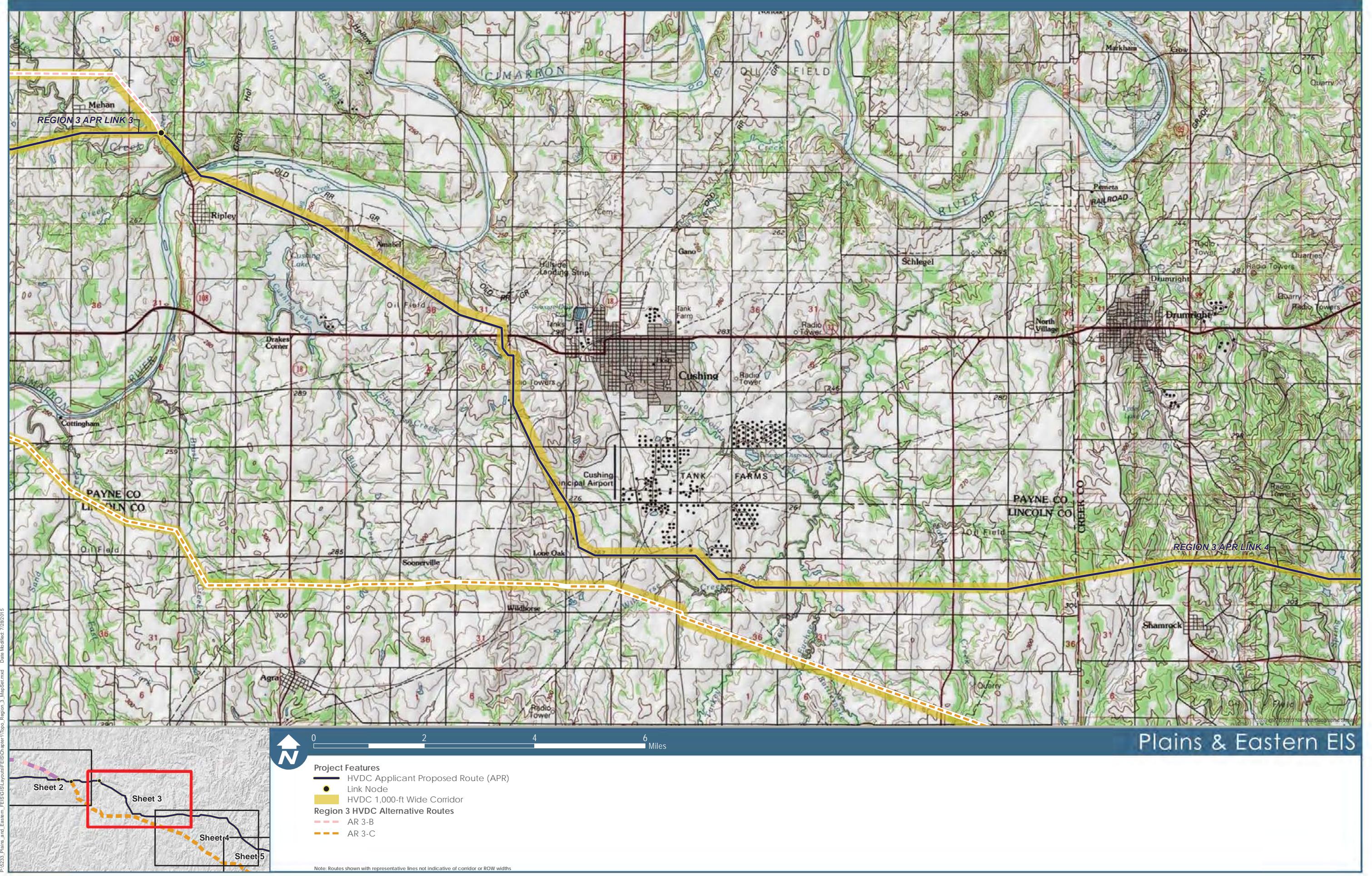


Figure 1.0-1: Topographic Map Region 3, Sheet 1





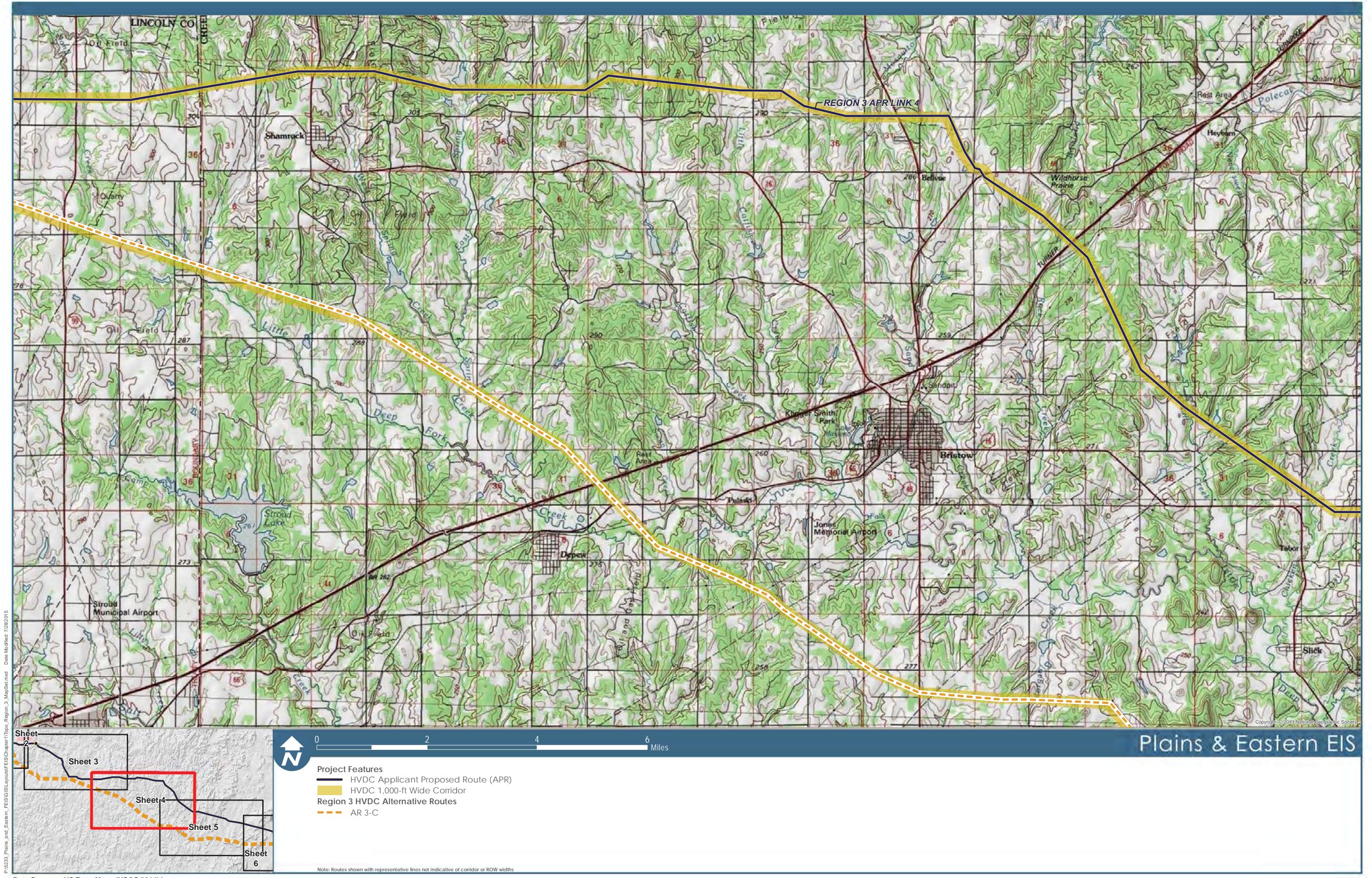


Figure 1.0-1: Topographic Map Region 3, Sheet 4

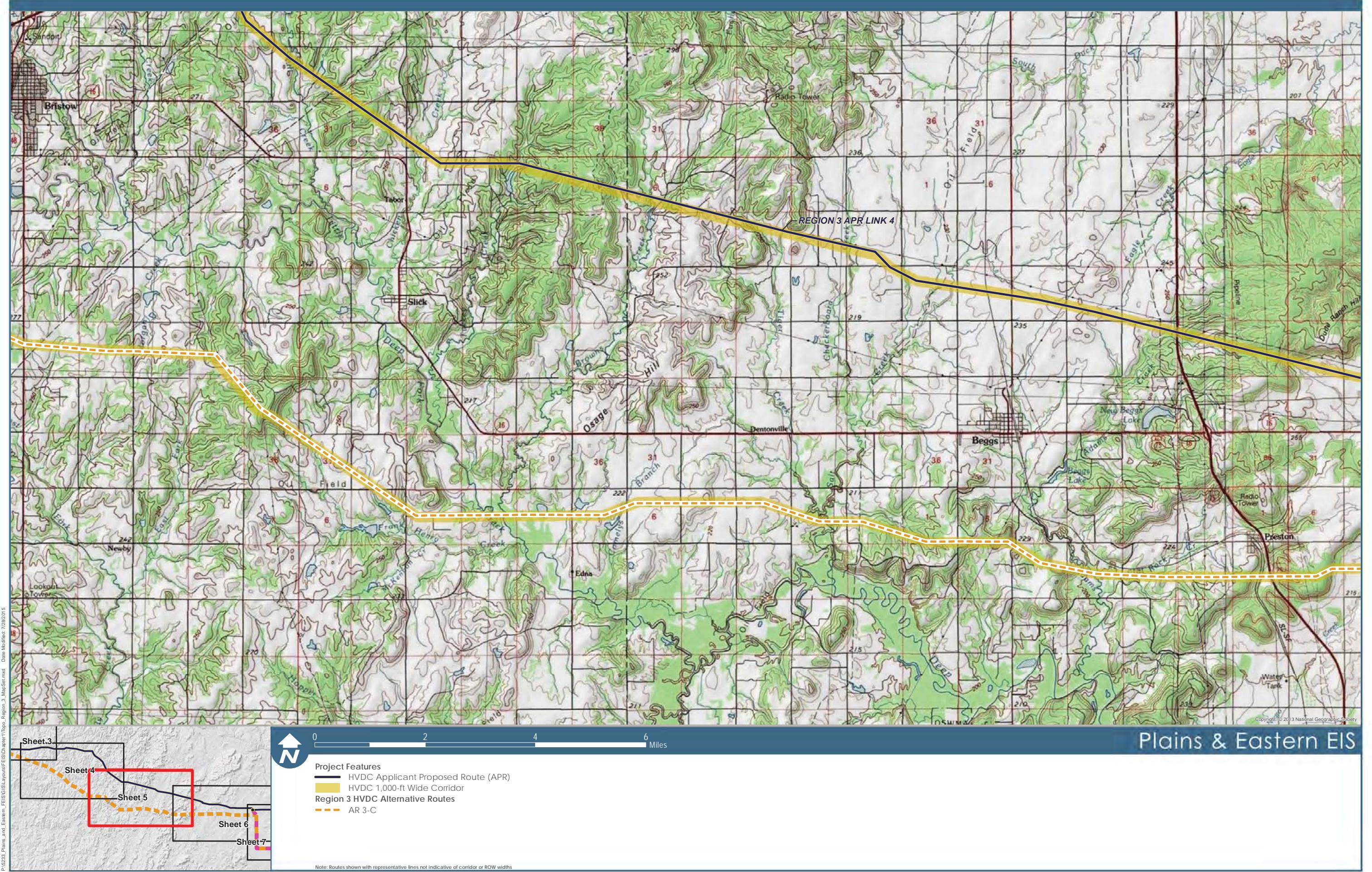


Figure 1.0-1: Topographic Map Region 3, Sheet 5

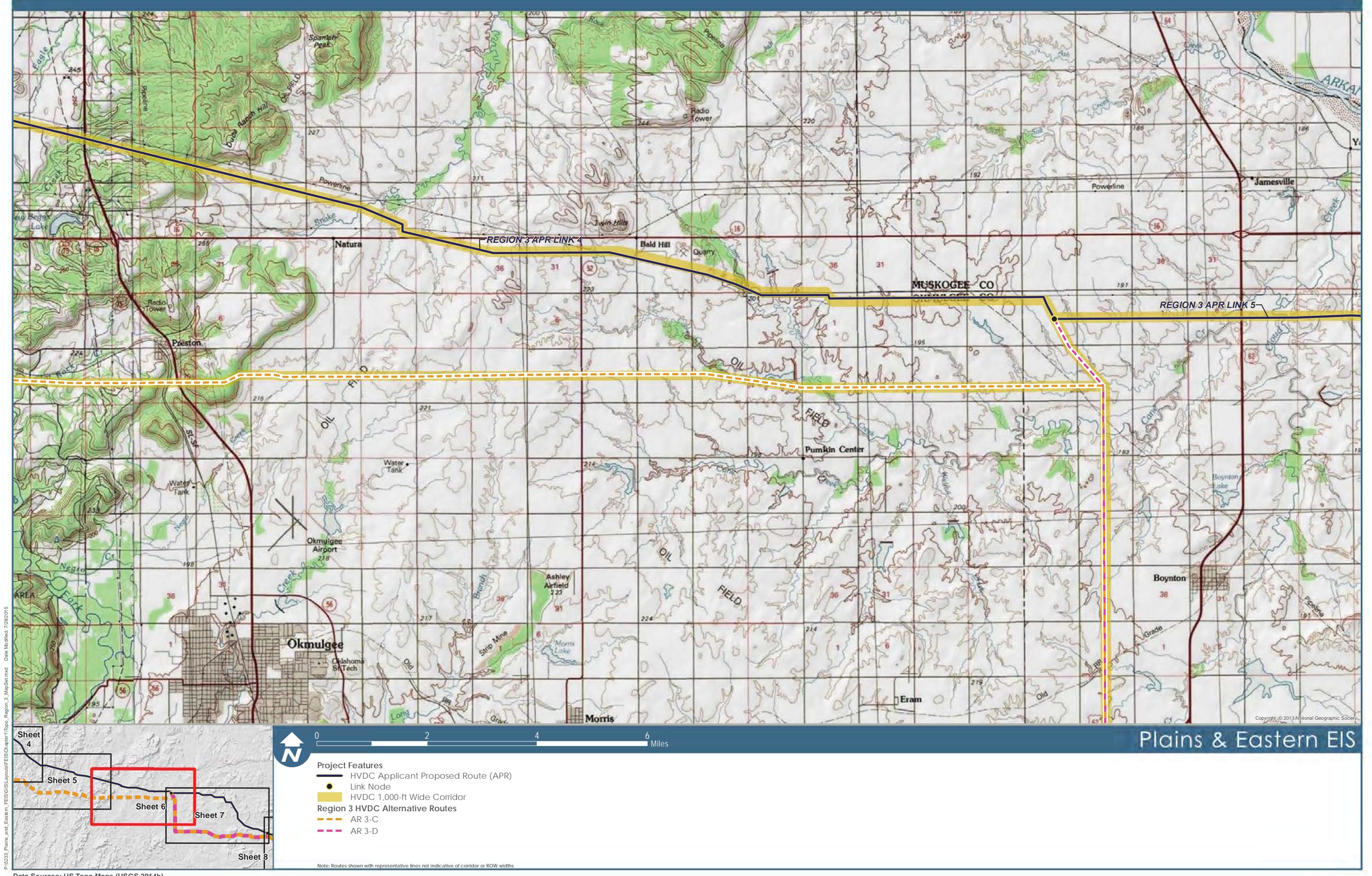


Figure 1.0-1: Topographic Map Region 3, Sheet 6

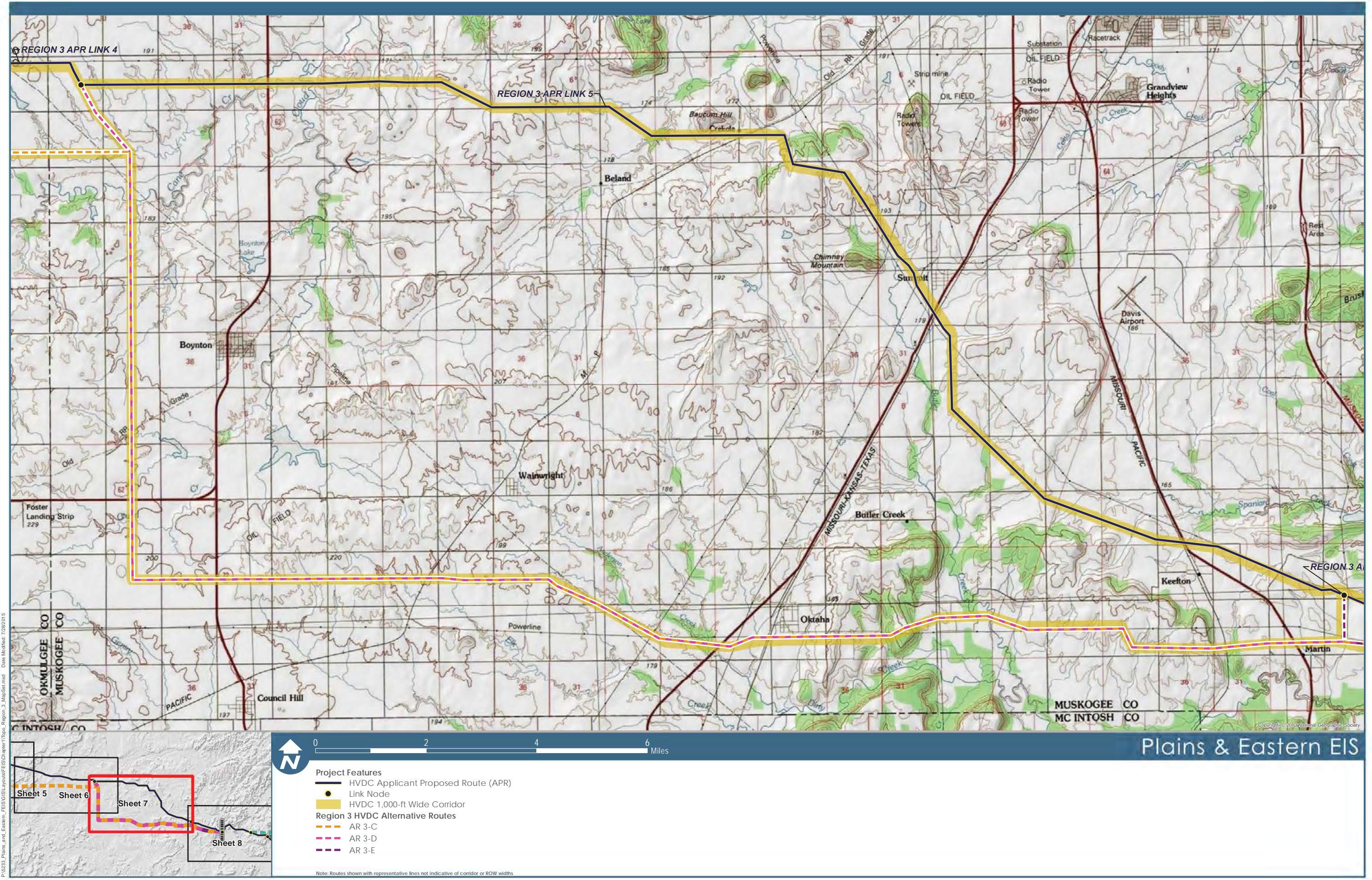
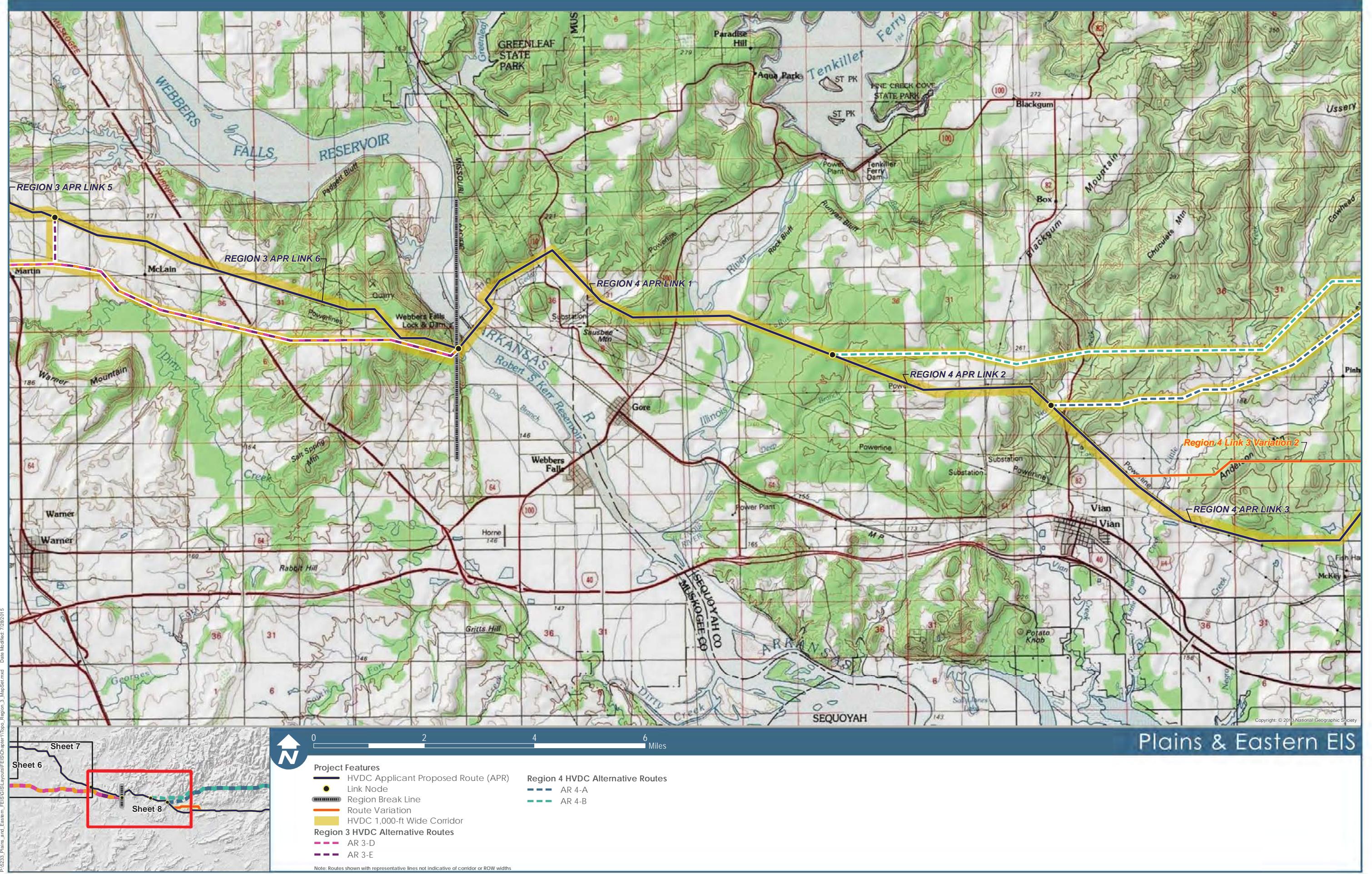


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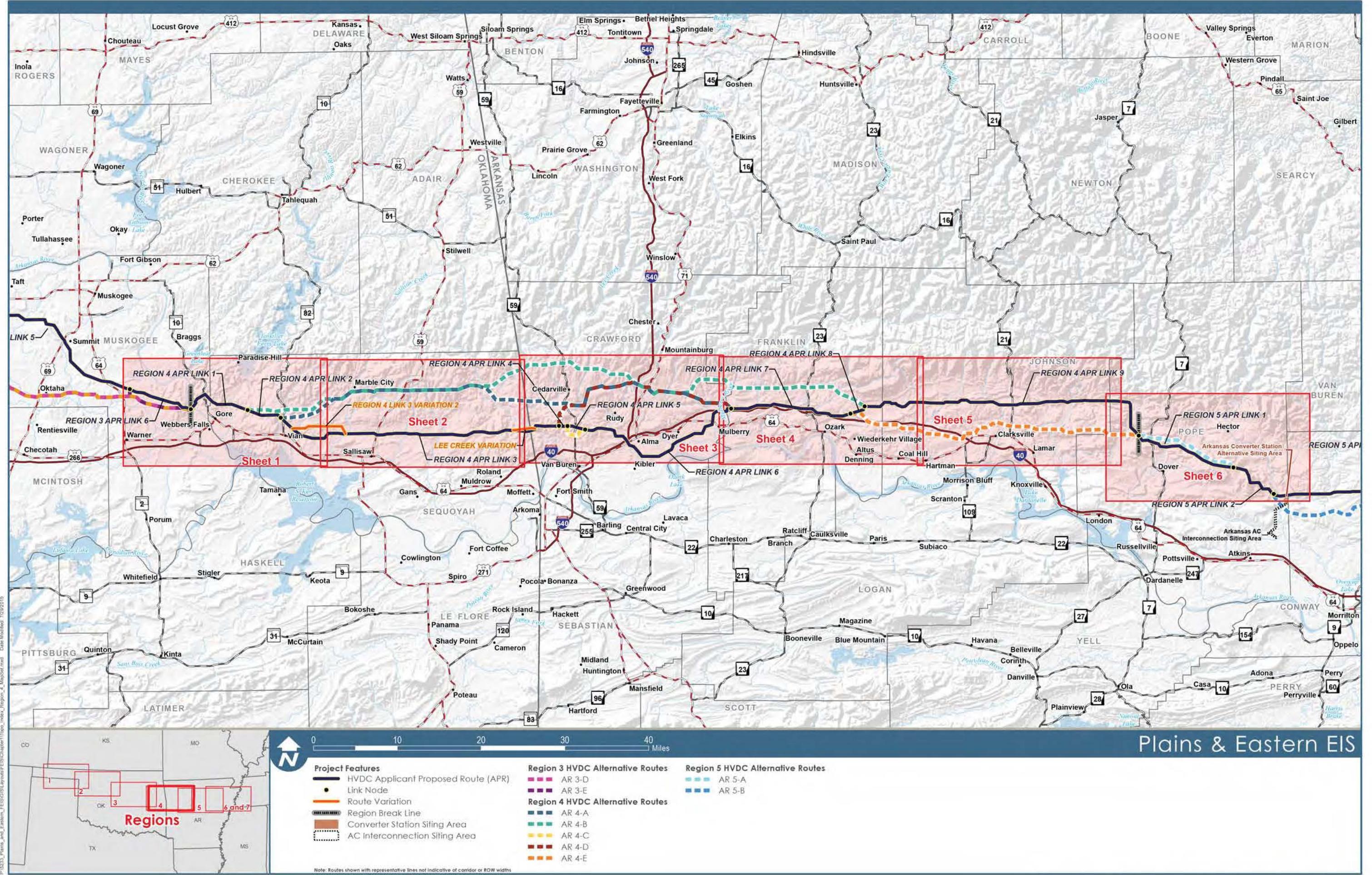


Figure 1.0-1: Topographic Map Index Region 4

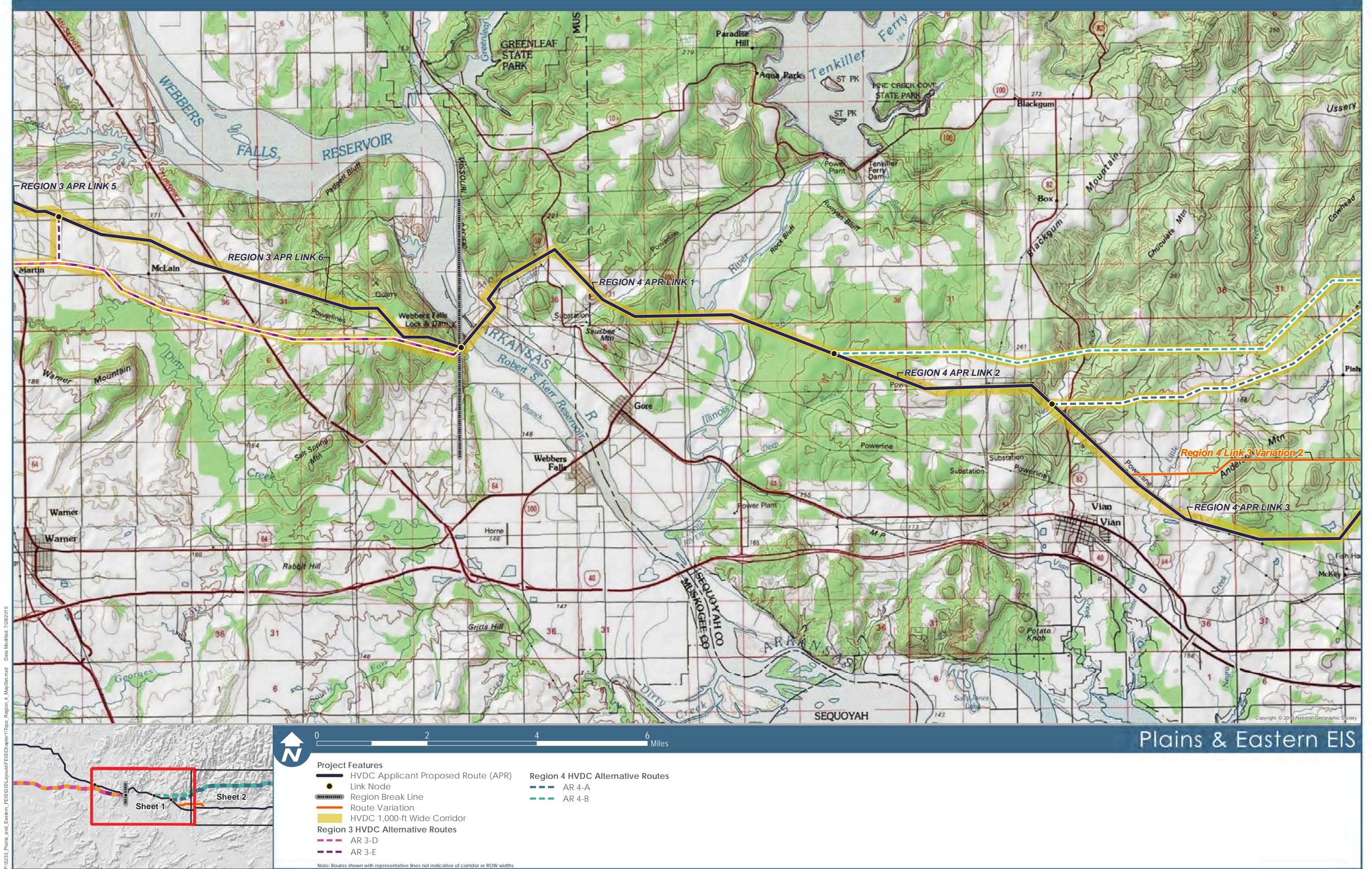
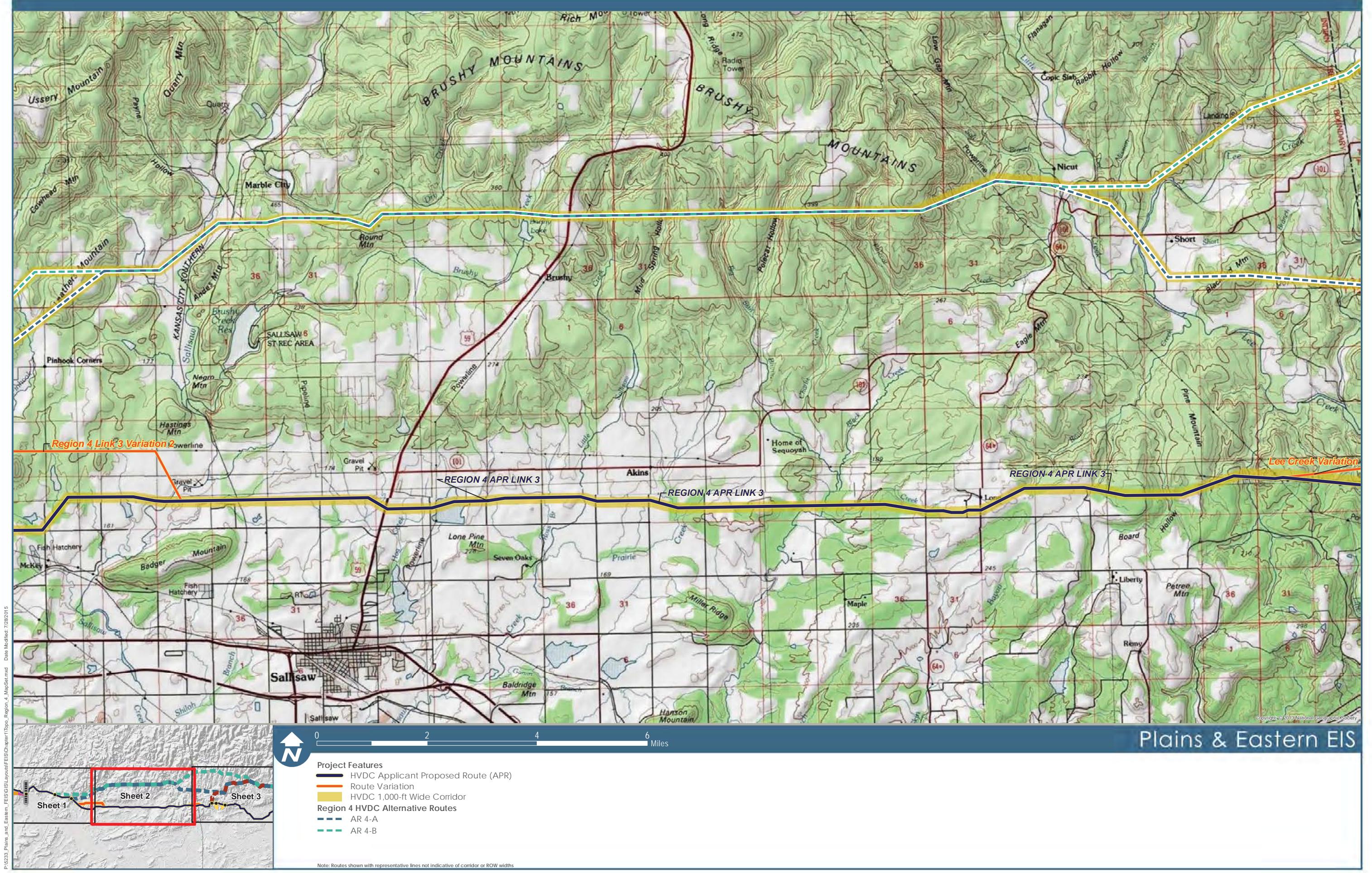


Figure 1.0-1: Topographic Map Region 4, Sheet 1



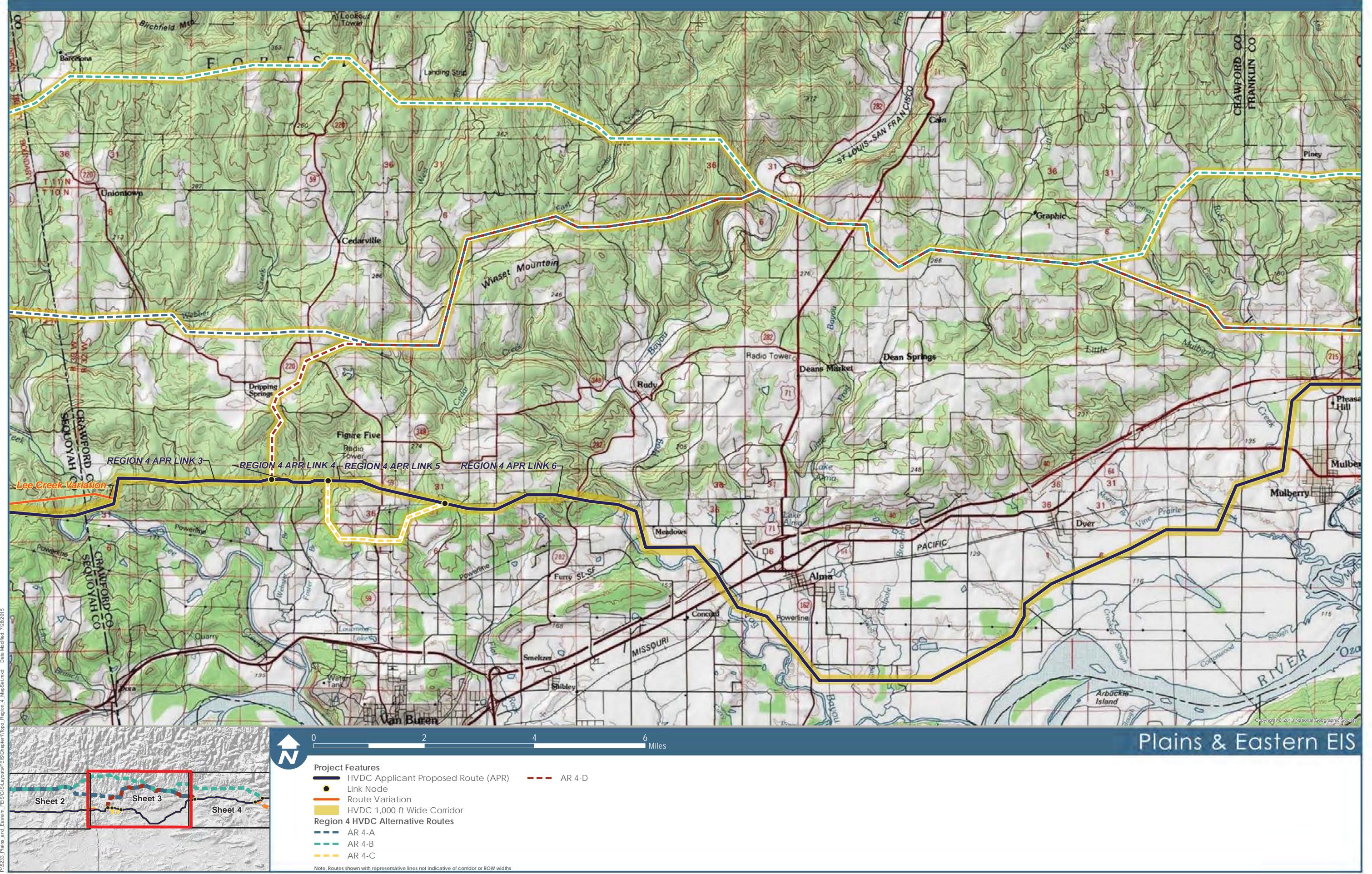
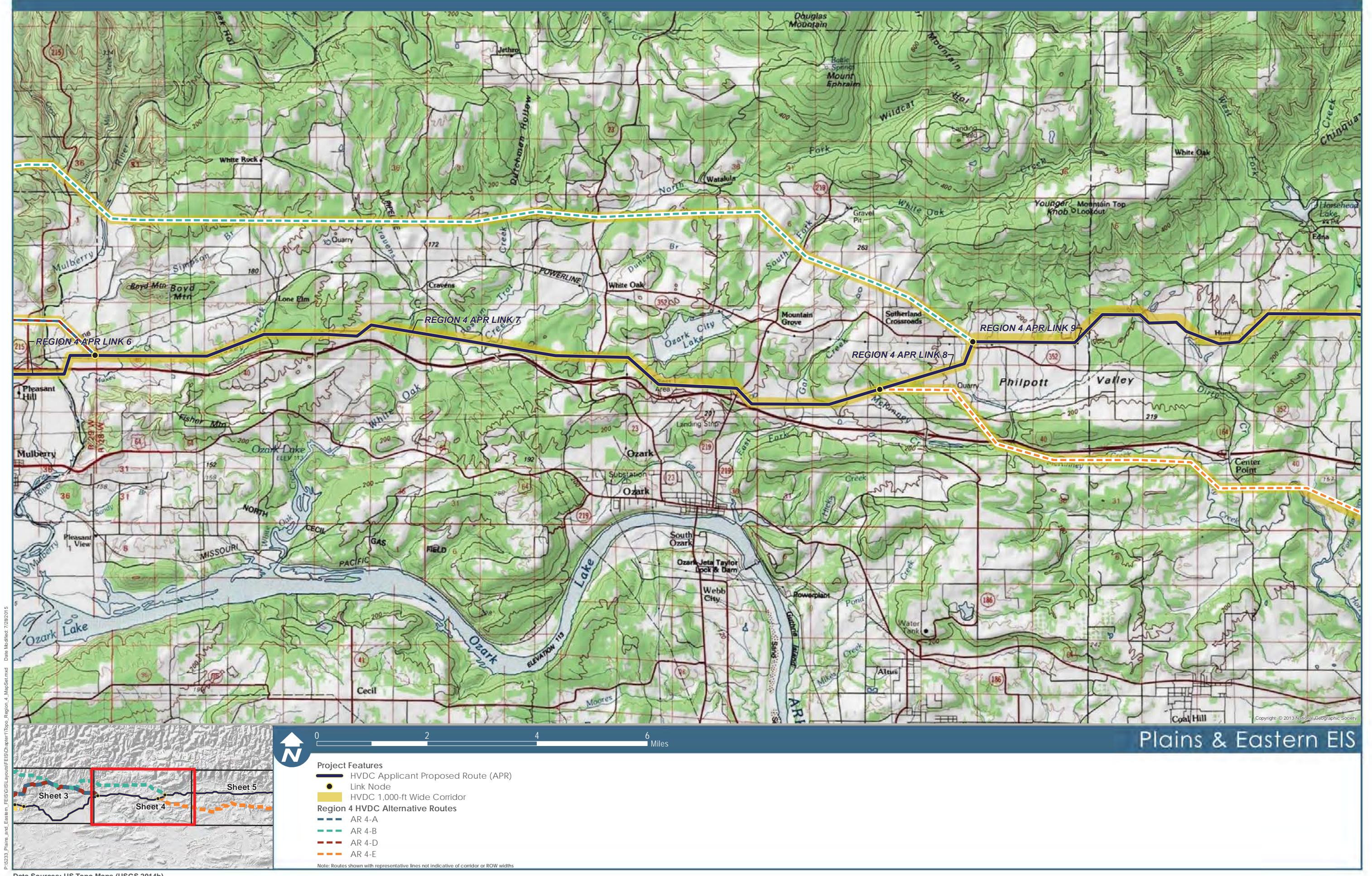


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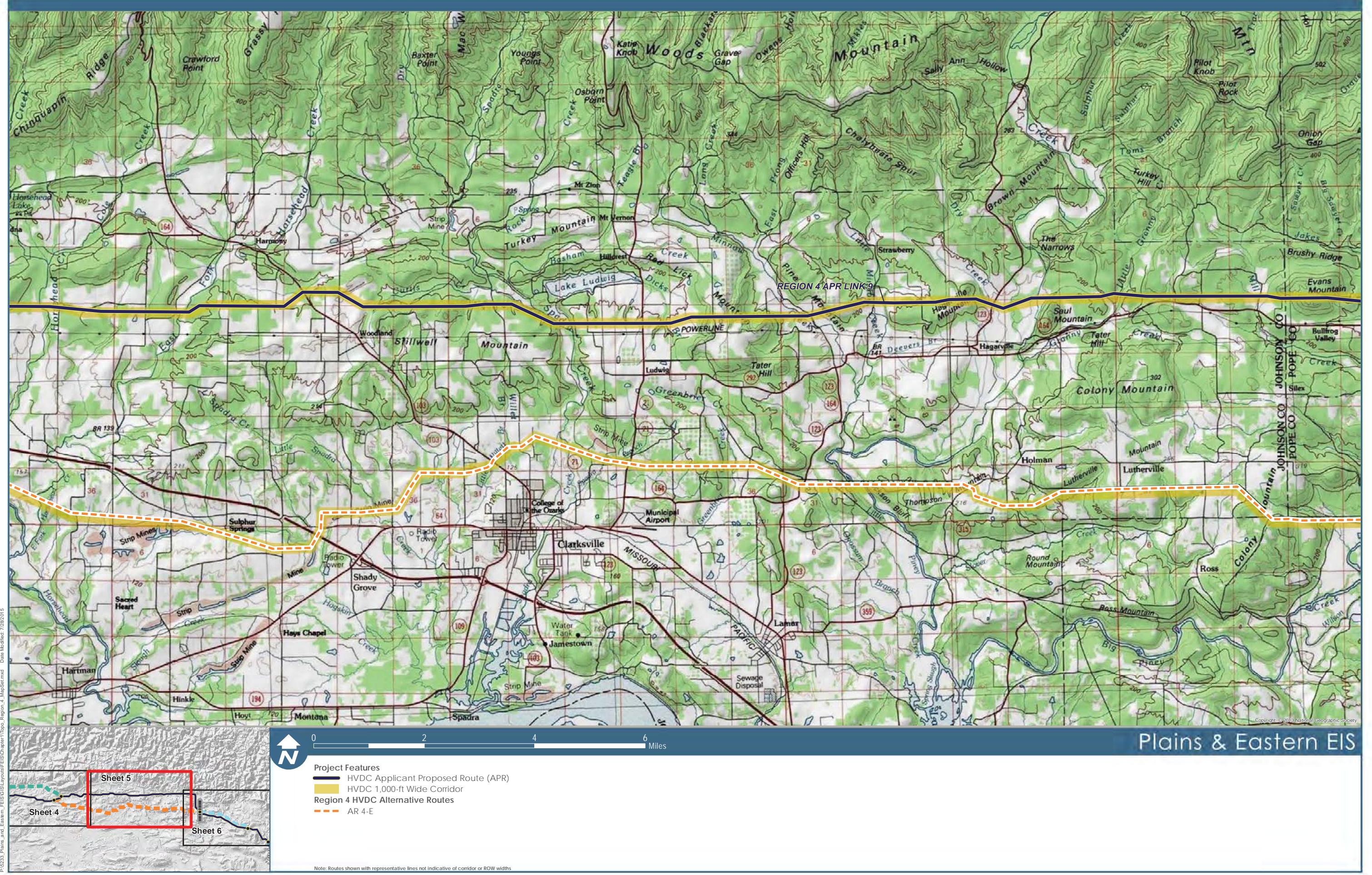


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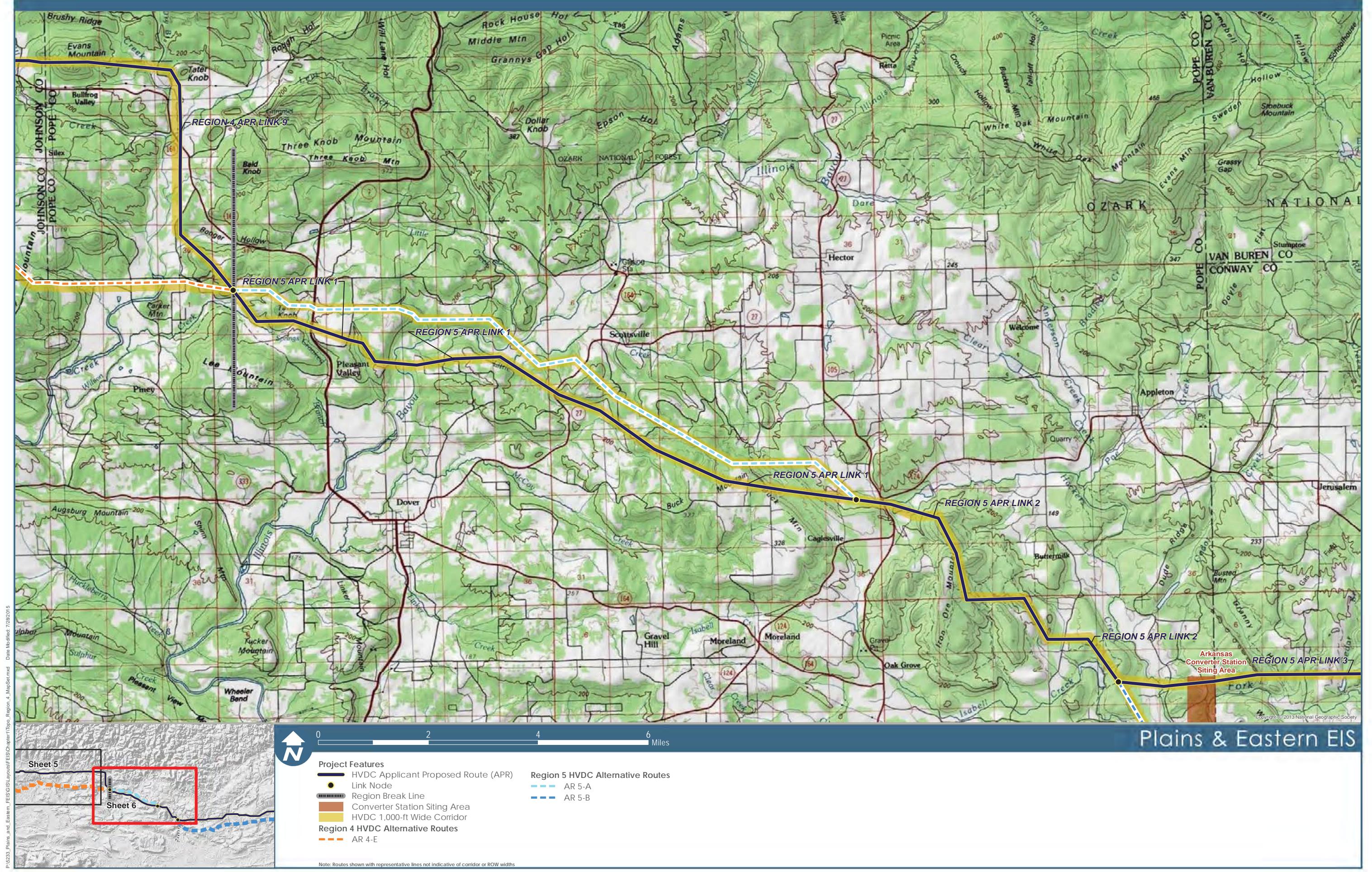


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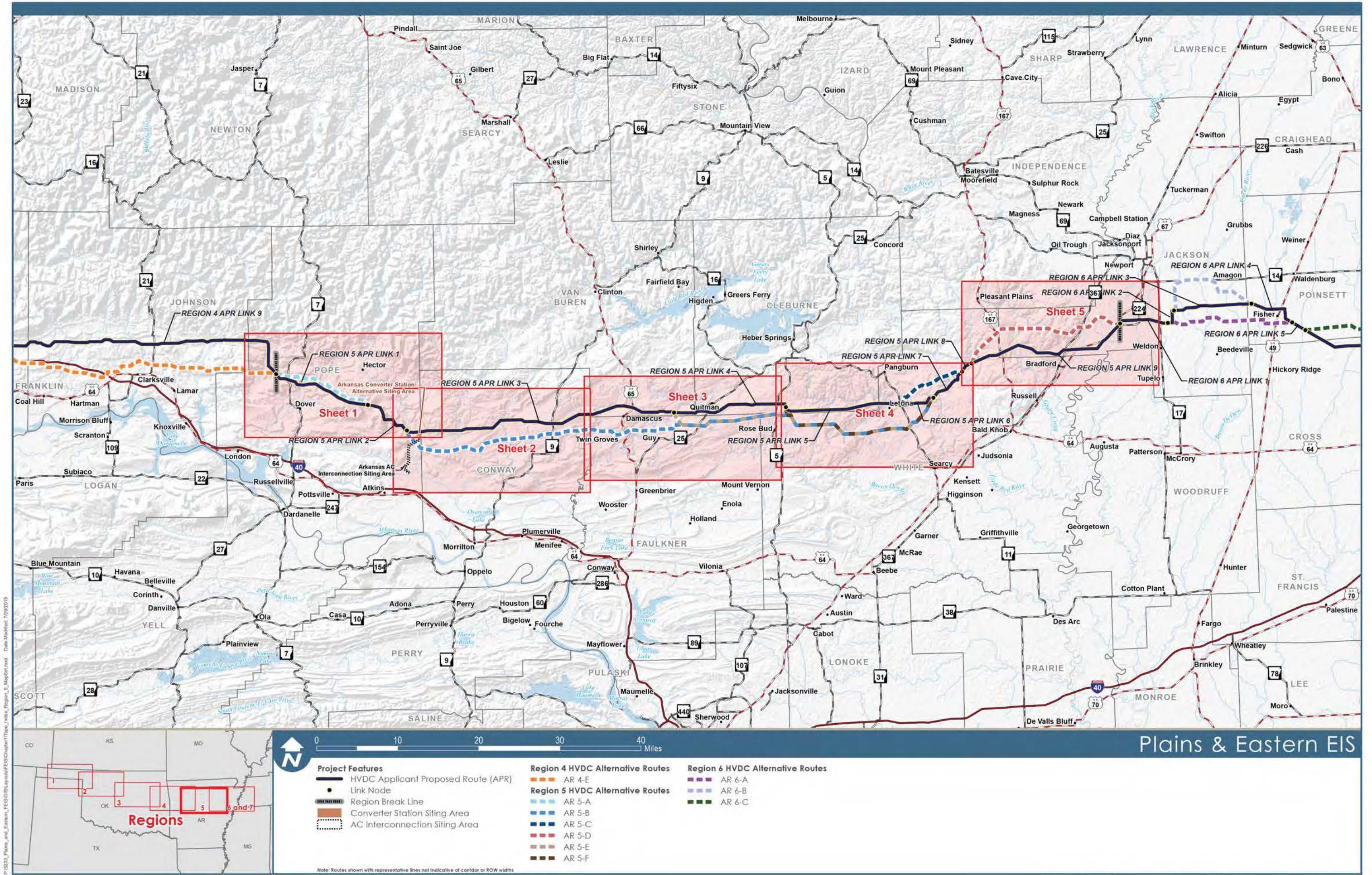


Figure 1.0-1: Topographic Map Index Region 5

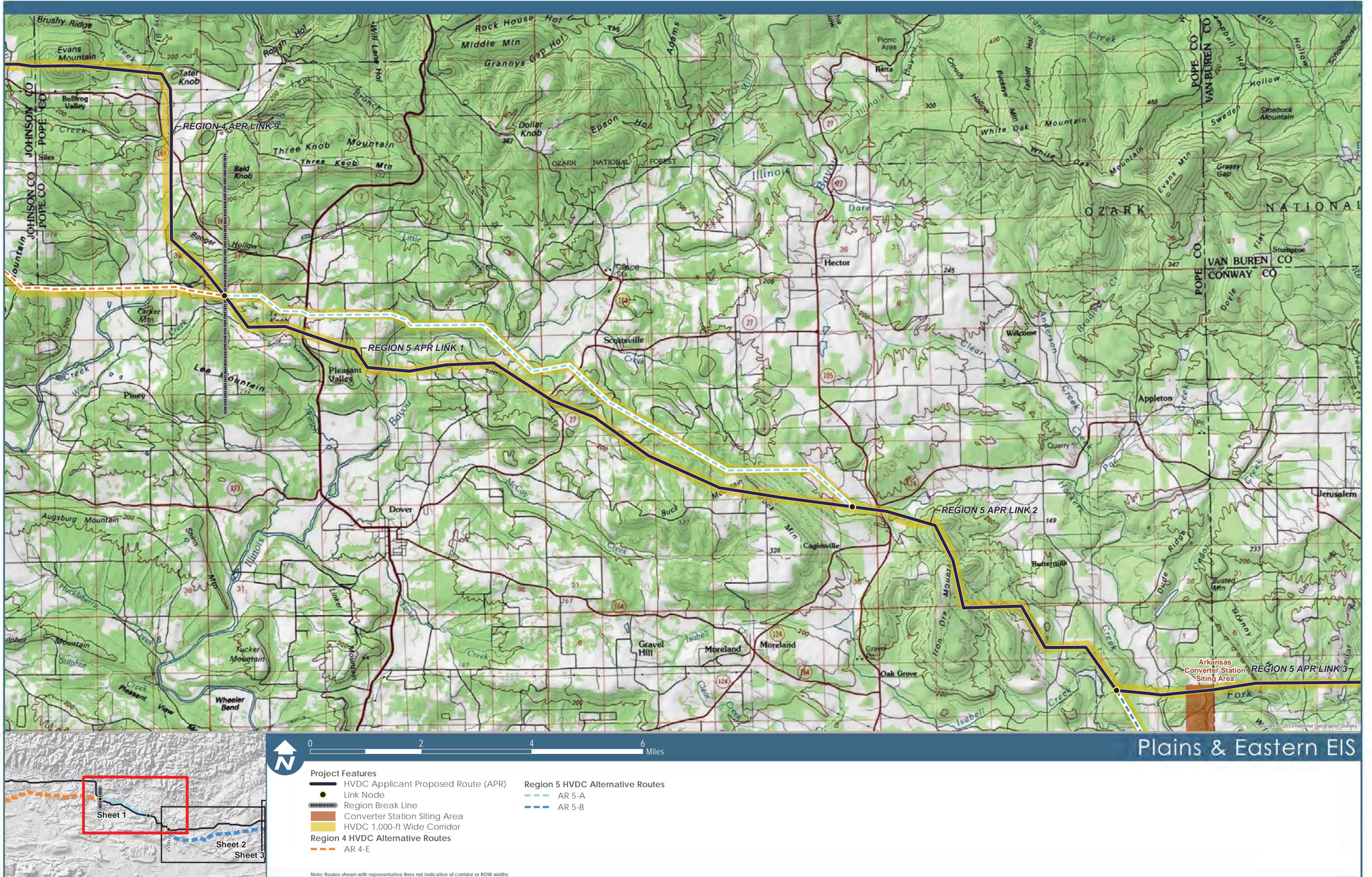


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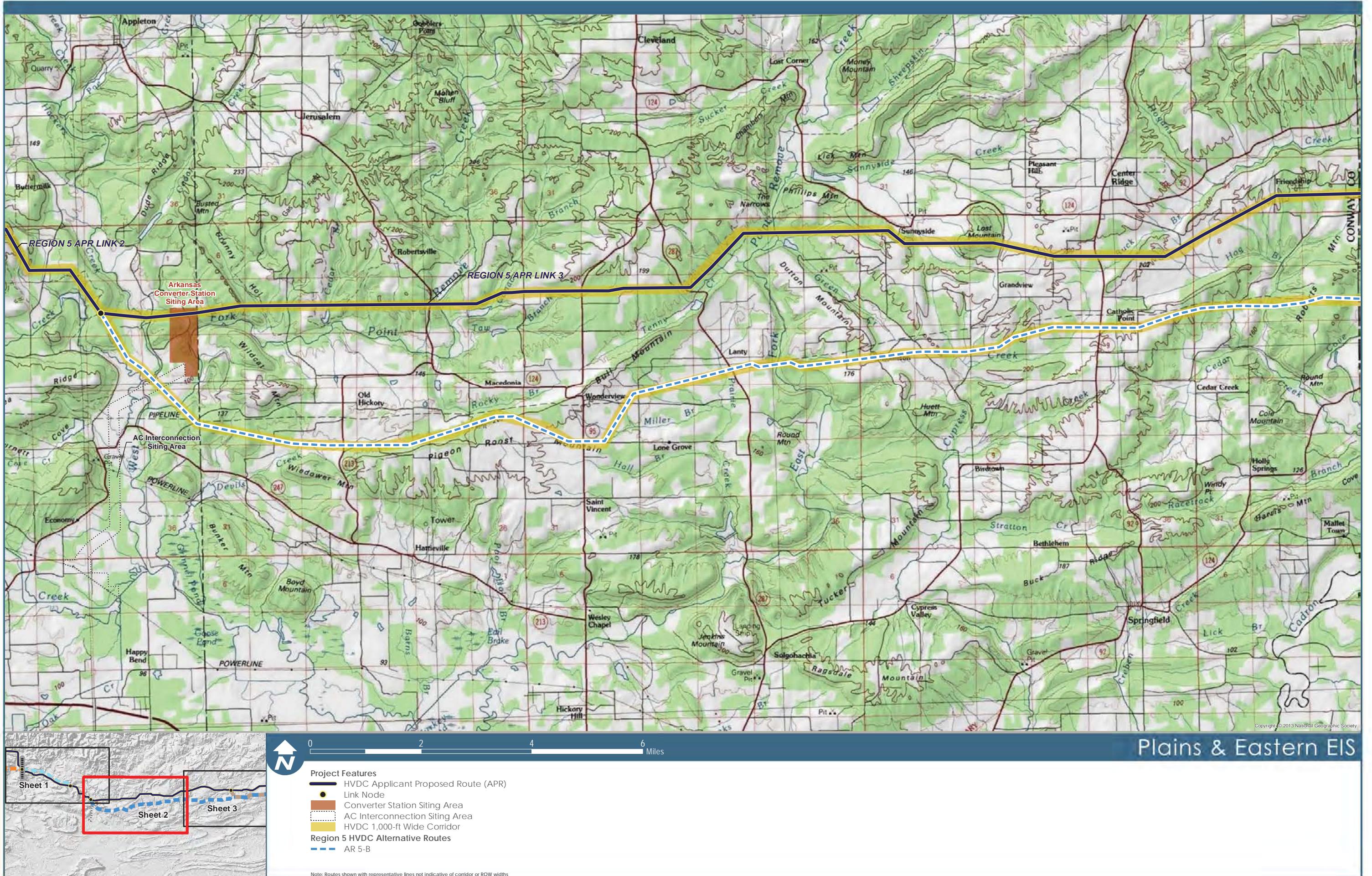


Figure 1.0-1: Topographic Map Region 5, Sheet 2

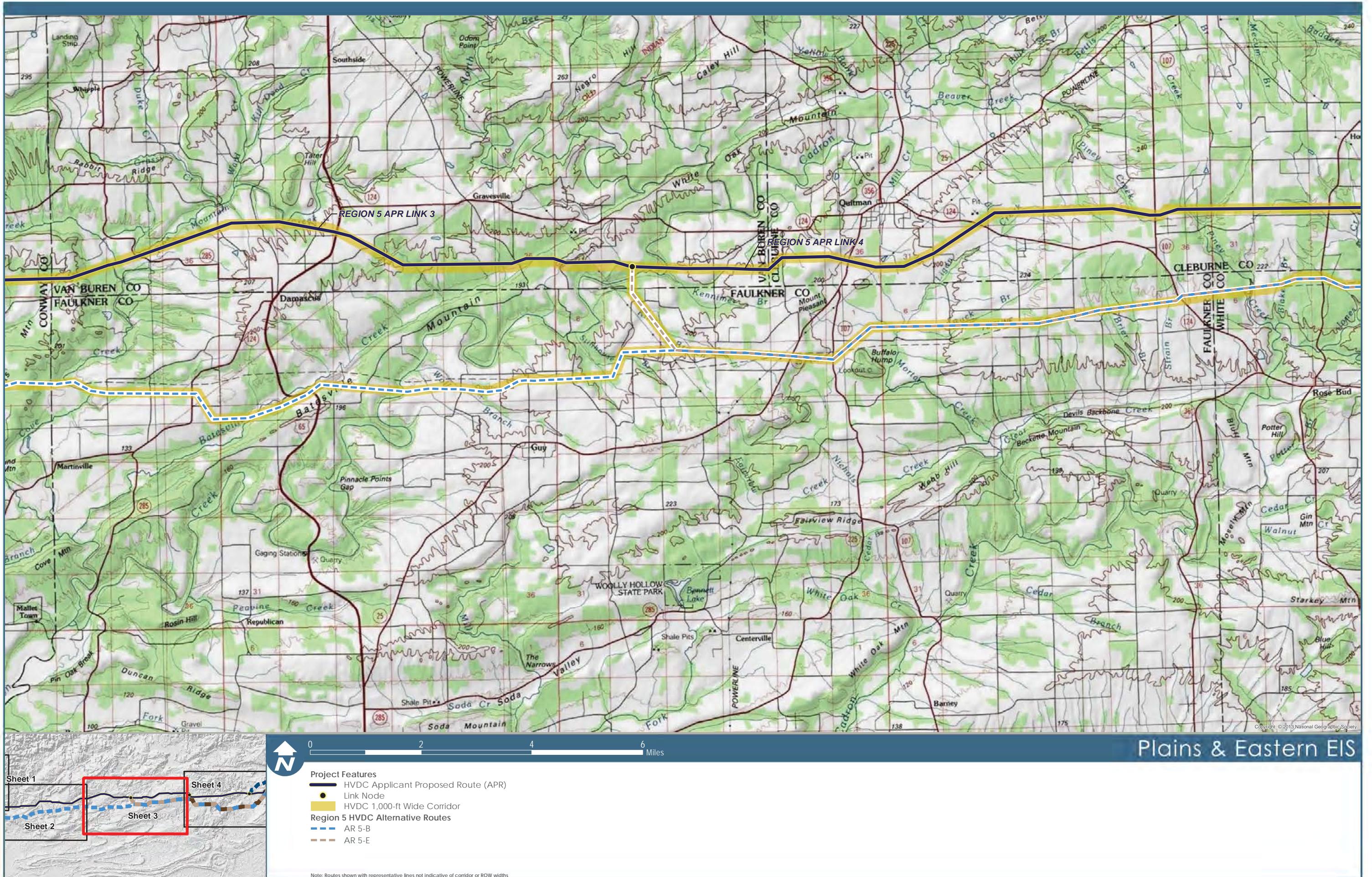


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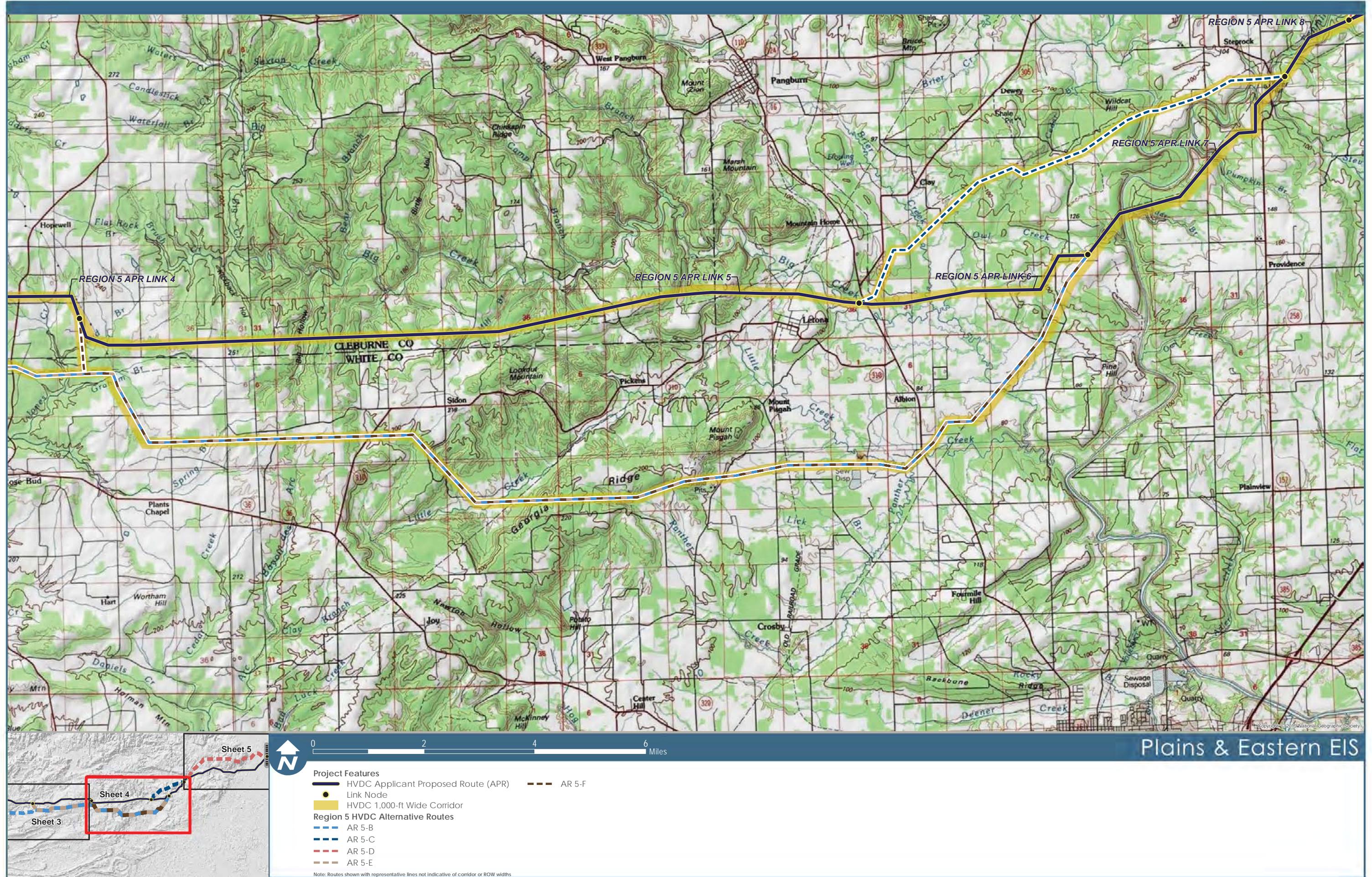


Figure 1.0-1: Topographic Map Region 5, Sheet 4

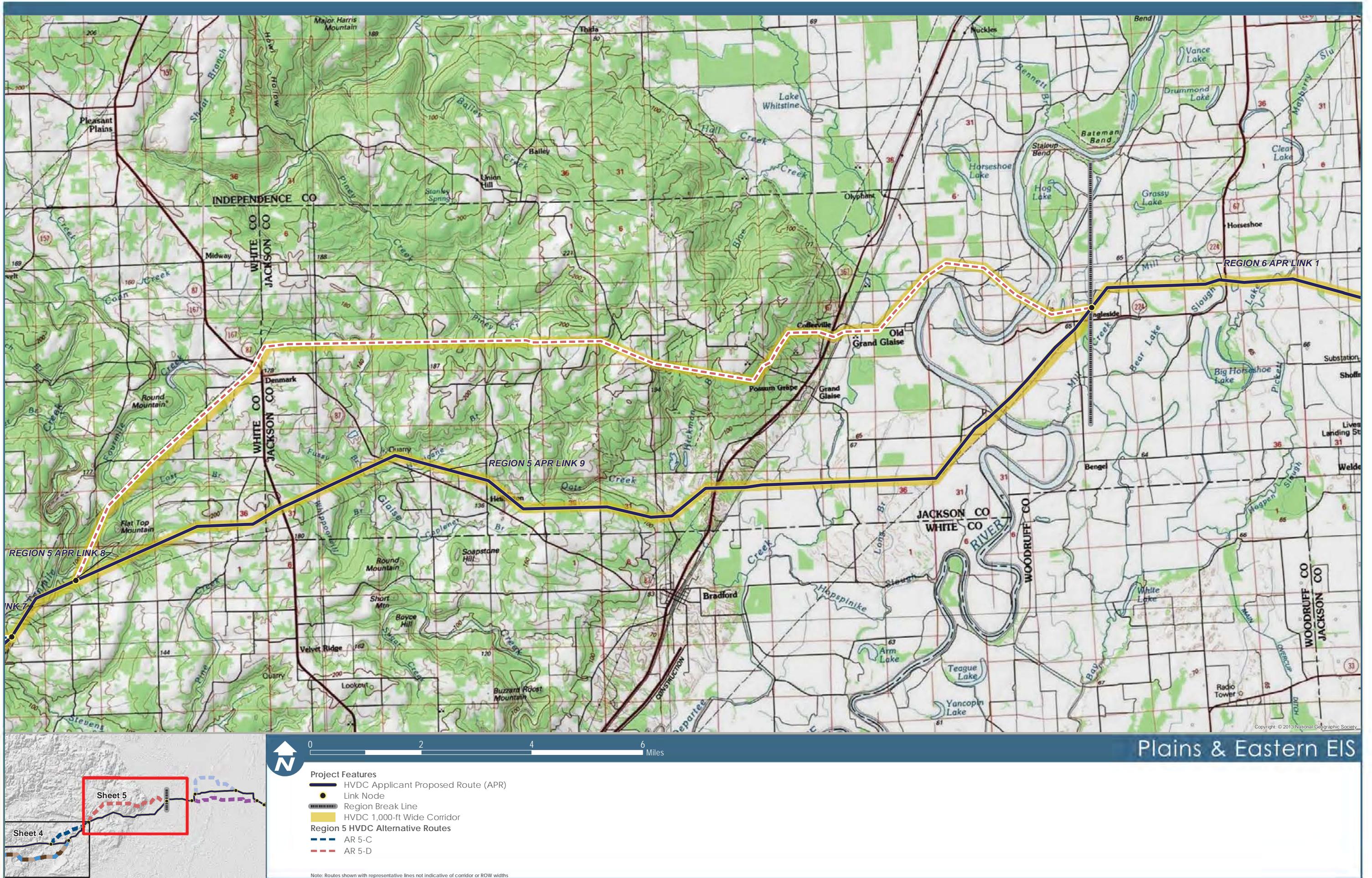


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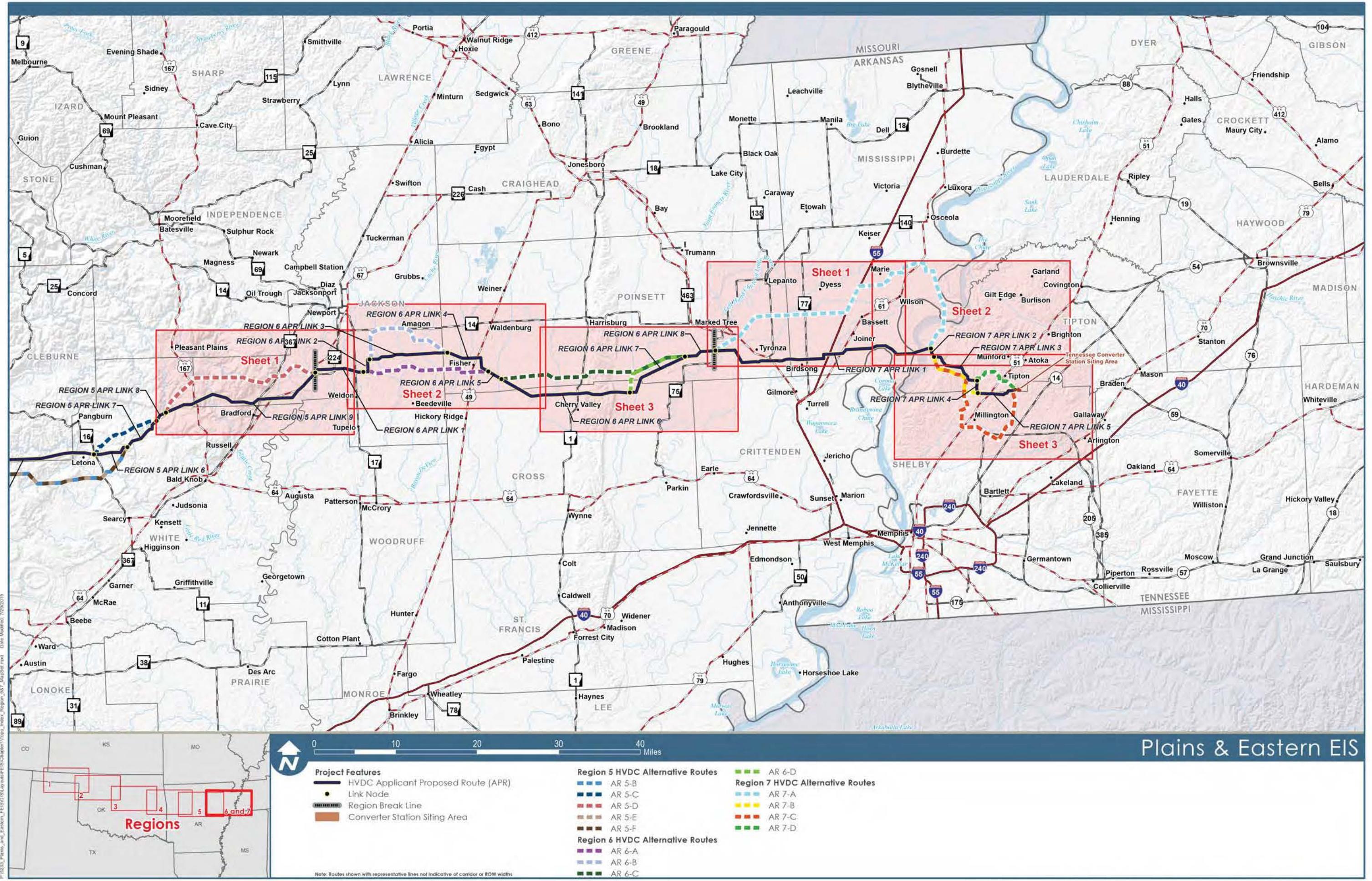


Figure 1.0-1: Topographic Map Index Region 6 and 7

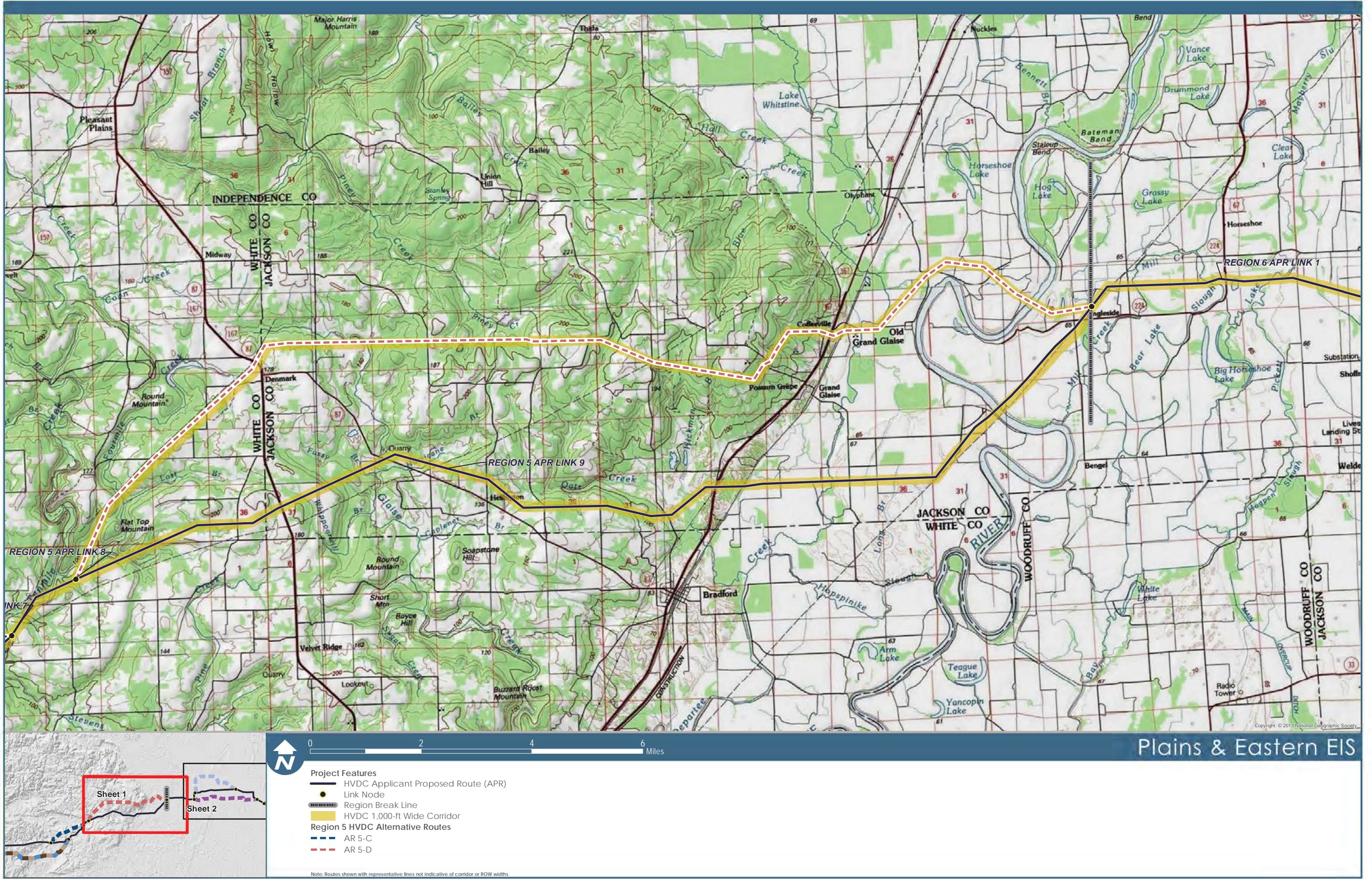


Figure 1.0-1: Topographic Map Region 6, Sheet 1

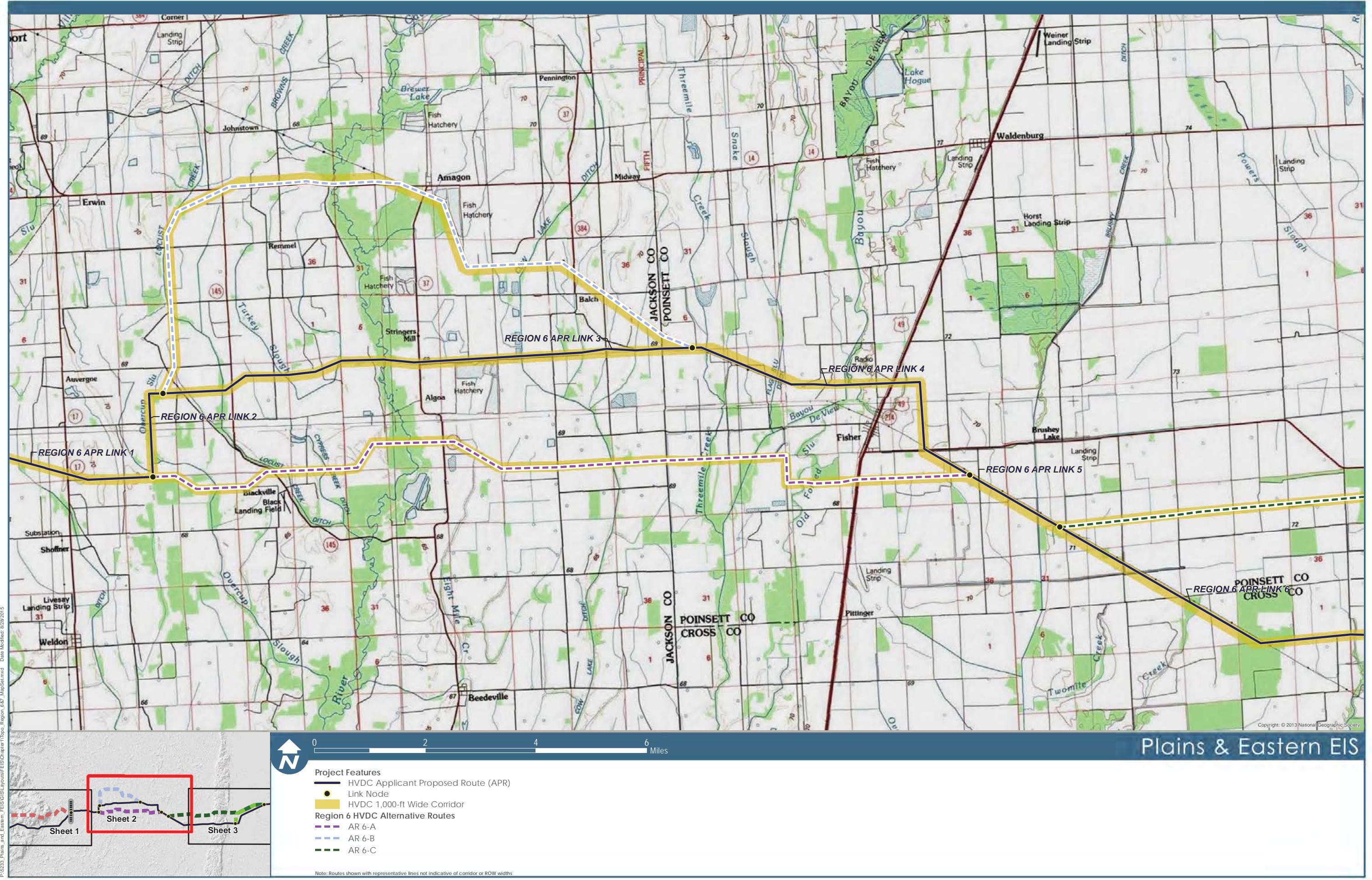
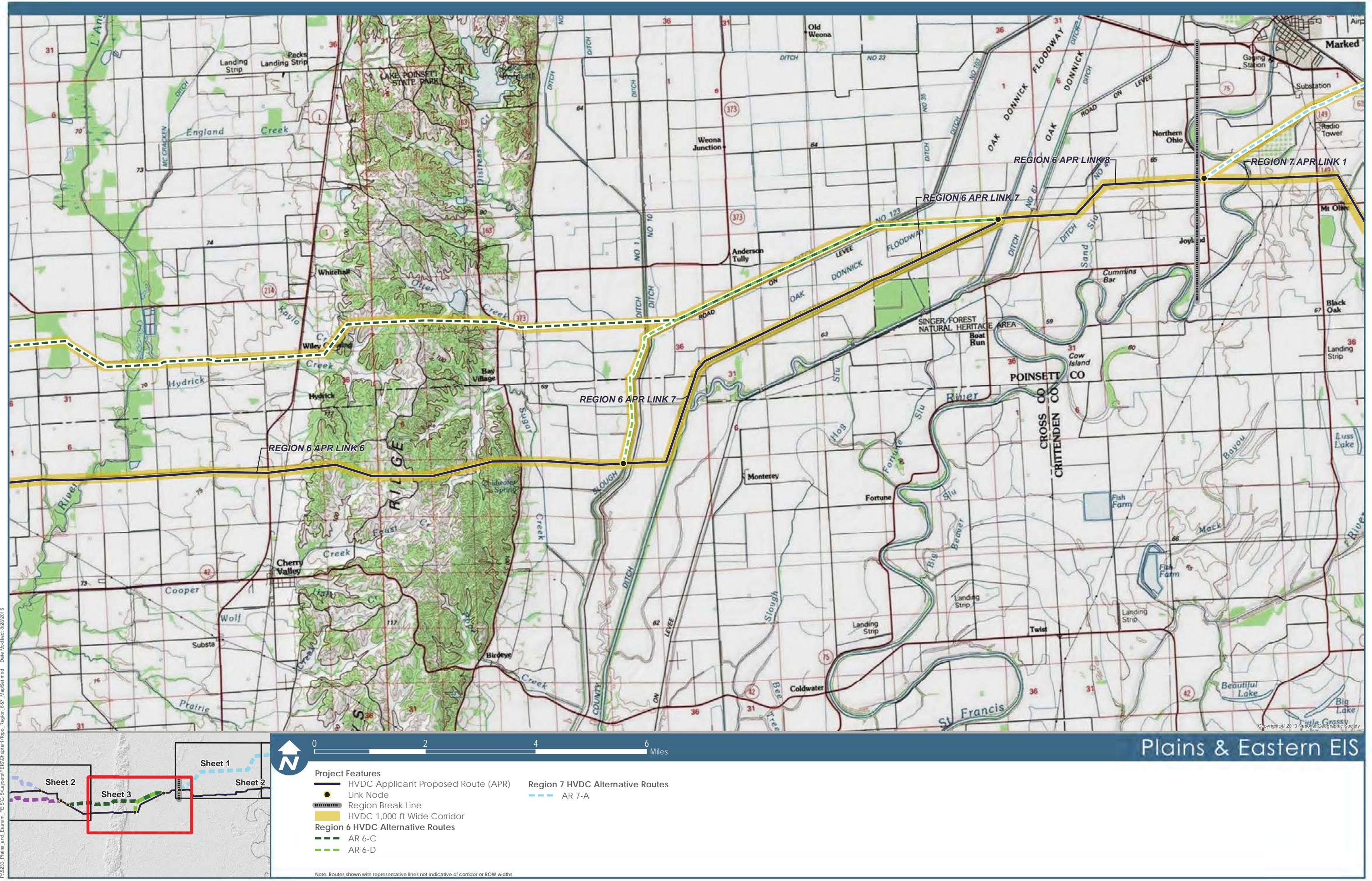
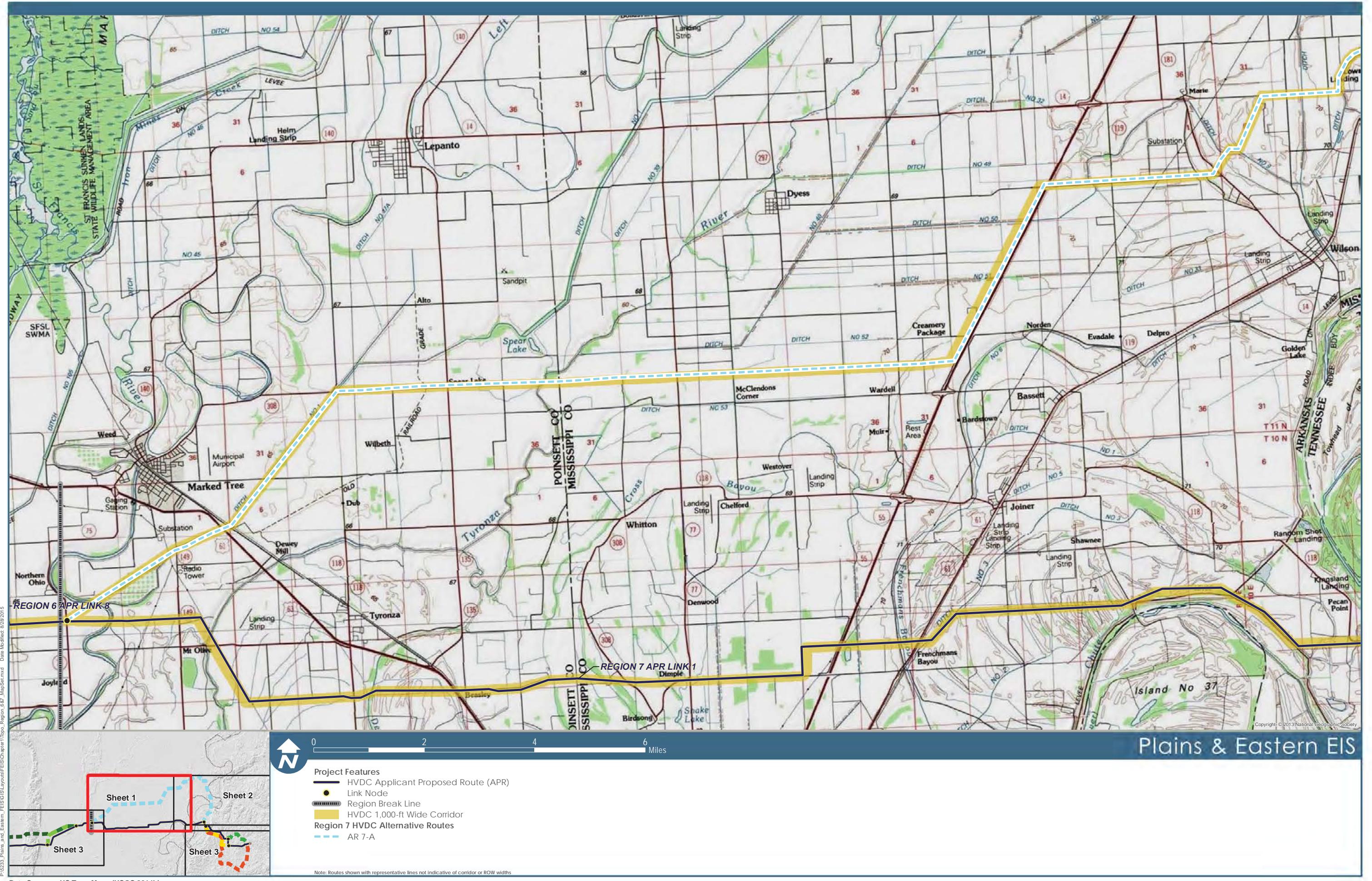


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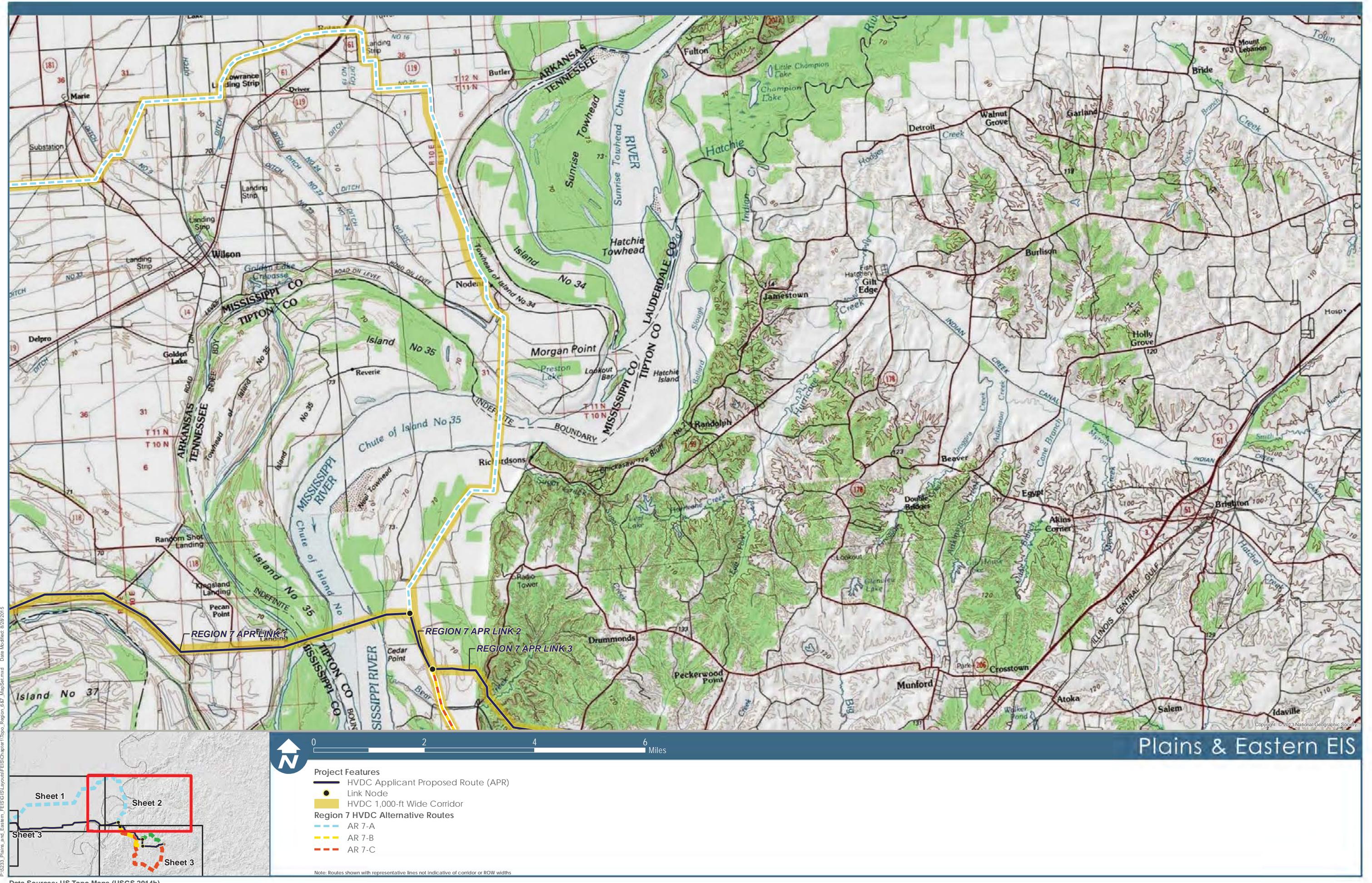


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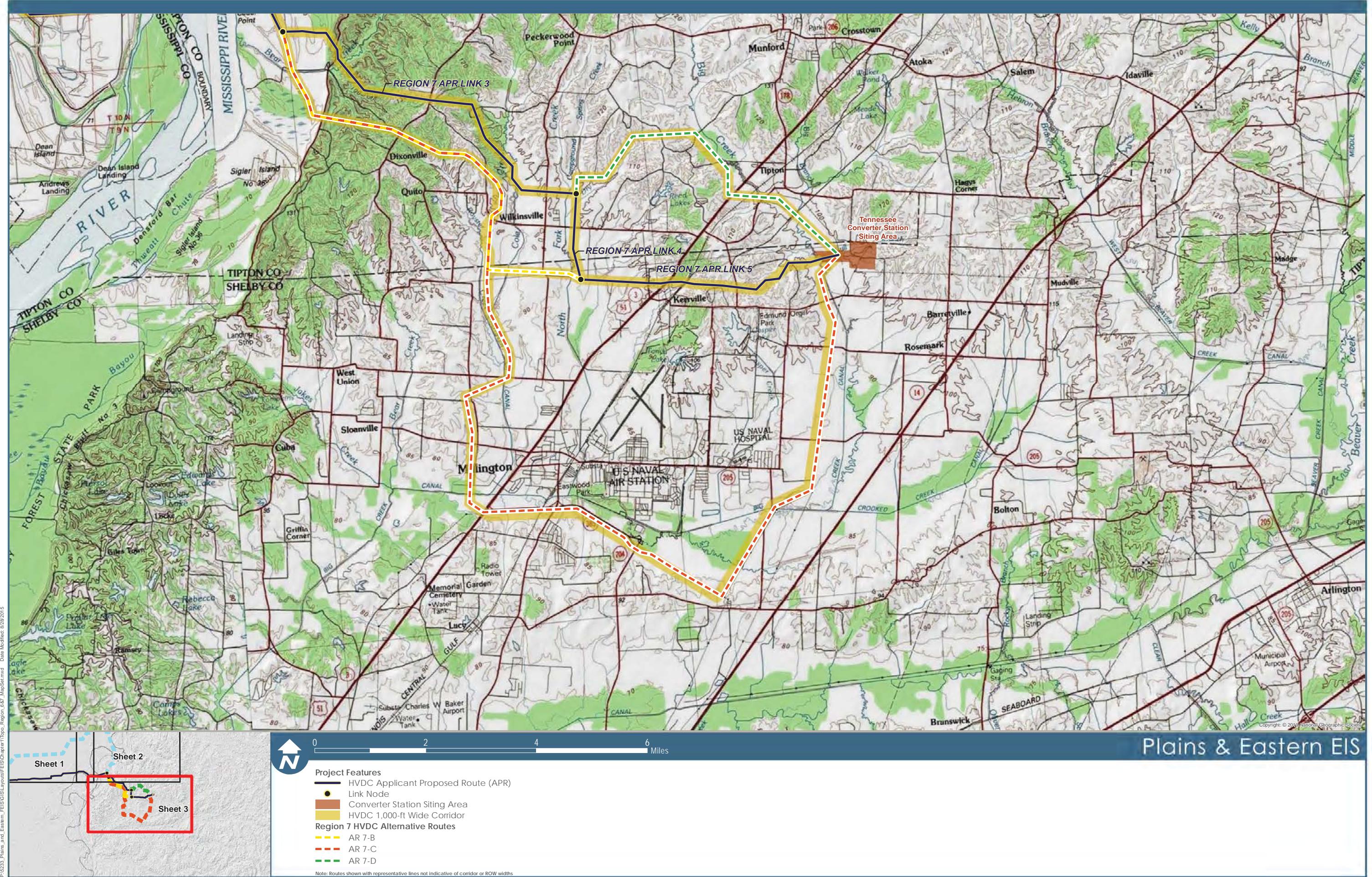


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