

Final

Supplemental Environmental Assessment

**Appendix B: MKARNS 12-Foot Channel
Maps**

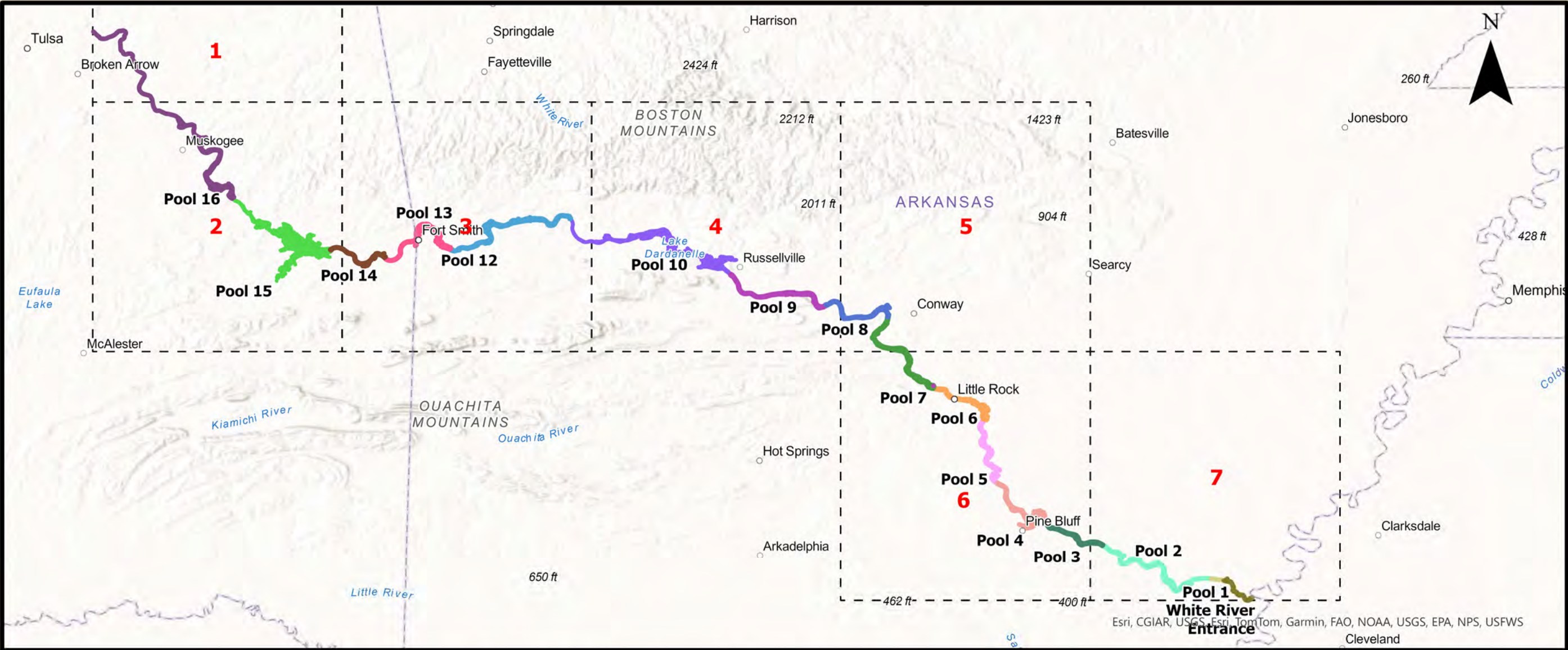
**Arkansas River Navigation Study
Arkansas and Oklahoma**

September 2024

Prepared By:

Regional Planning and Environmental Center
Environmental Branch
U.S. Army Corps of Engineers
Little Rock and Tulsa Districts

MKARNS 12FT Channel Deepening Project



U.S. Army Corps of Engineers
Regional Planning and
Environmental Center

Creator: E Larrat

Updated: 7/29/2024

THIS MAP SUPERSEDES ALL PREVIOUS VERSIONS

MAP CREATED AT 11X17 PAGE SIZE

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MKARNS 12ft Channel Deepening Project



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Map 1 of 47

PCS: NAD 1983 UTM Zone 15N ft
Scale: 1:34,000

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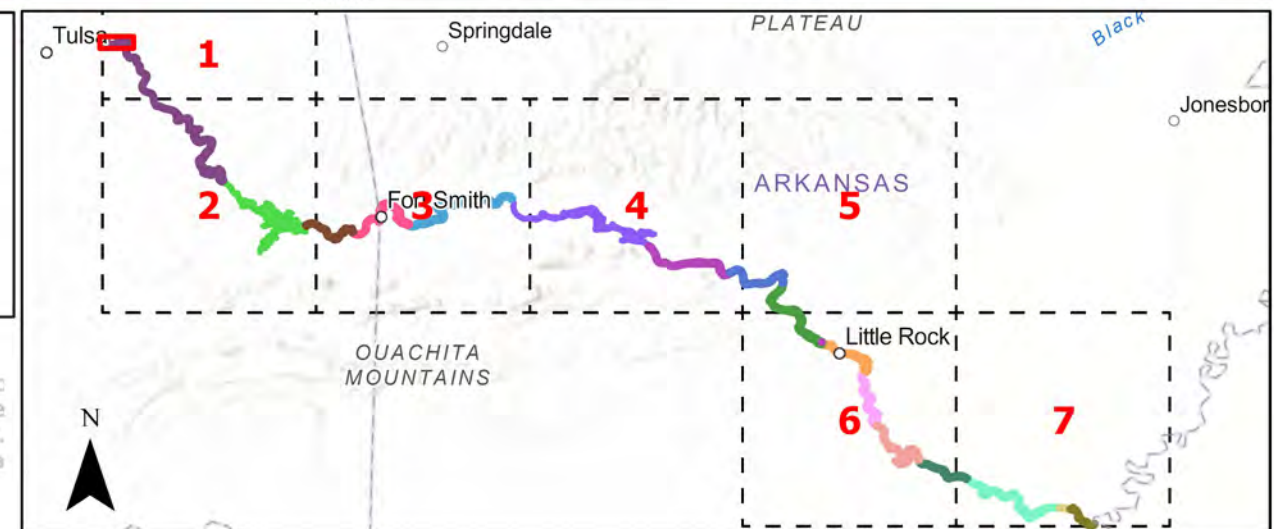
Creator: E Larrat Updated: 07/29/2024

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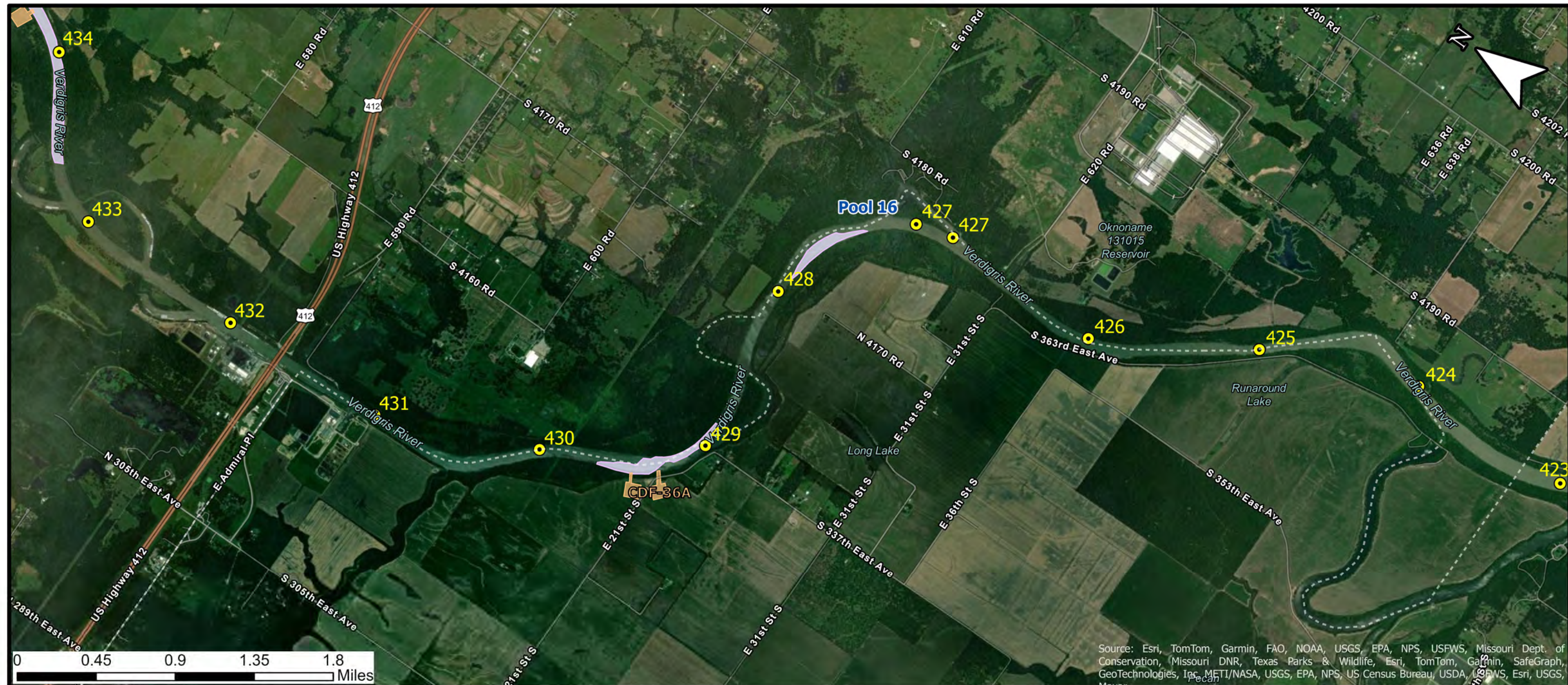
Legend

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| Proposed Training Structures | Proposed Upland Disposal Sites |
| Existing Structures | Known Gravel Beds |
| Proposed Sandbar Islands | Proposed Dredging Locations |
| Proposed Aquatic Disposal Sites | Upland Mitigation Sites |

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Map 2 of 47

PCS: NAD 1983 UTM Zone 15N ft
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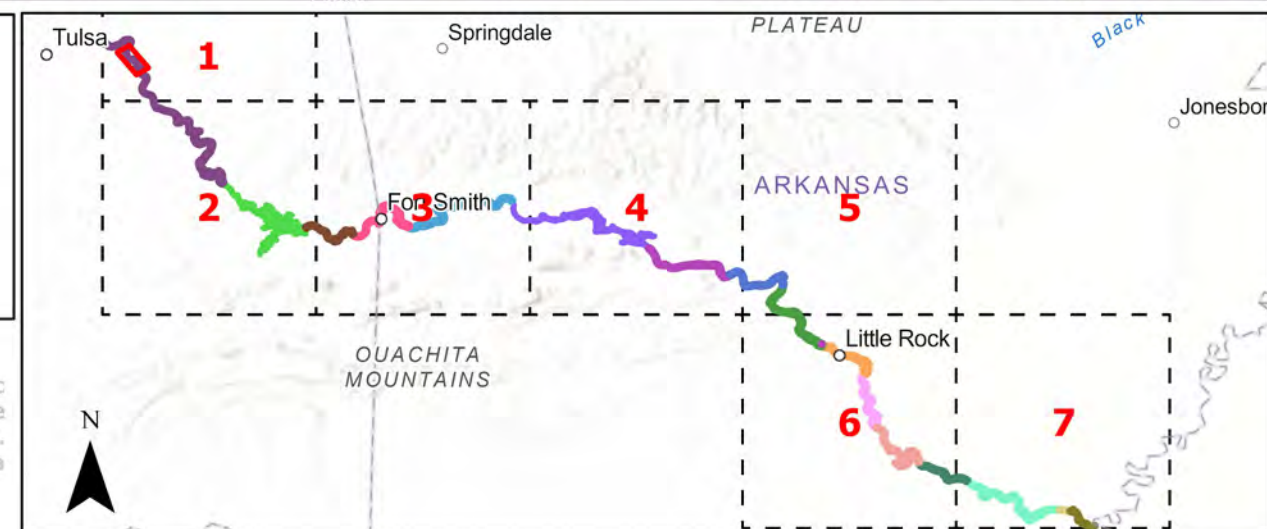
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Source: Esri, TomTom, Garmin, FAO, NOAA, USGS, EPA, NPS, USFWS, Missouri Dept. of Conservation, Missouri DNR, Texas Parks & Wildlife, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, Esri, USGS, Maxar



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Map 3 of 47

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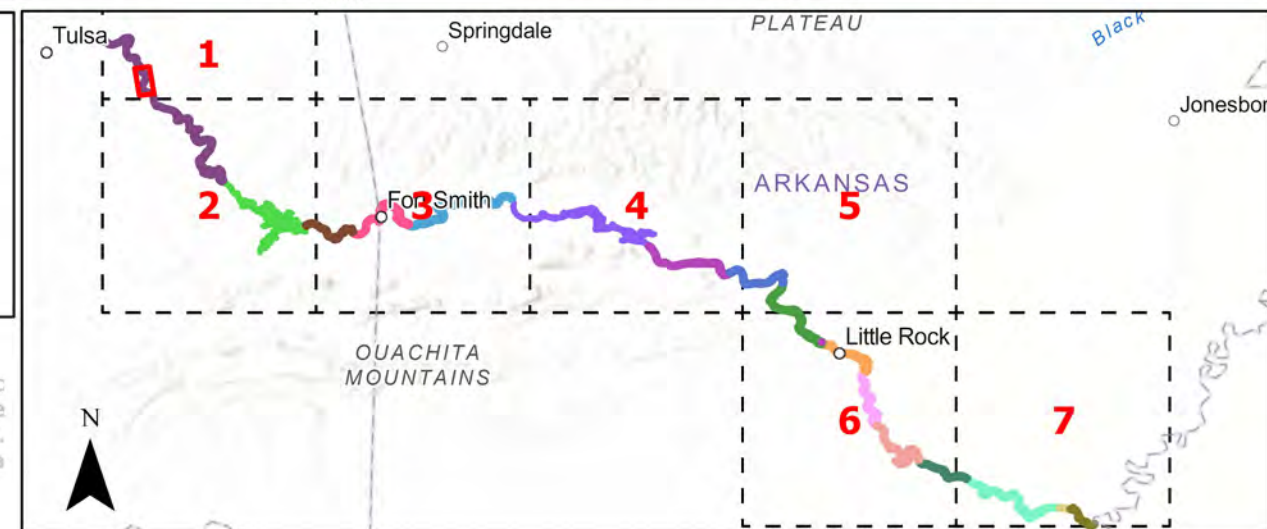
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Map 4 of 47

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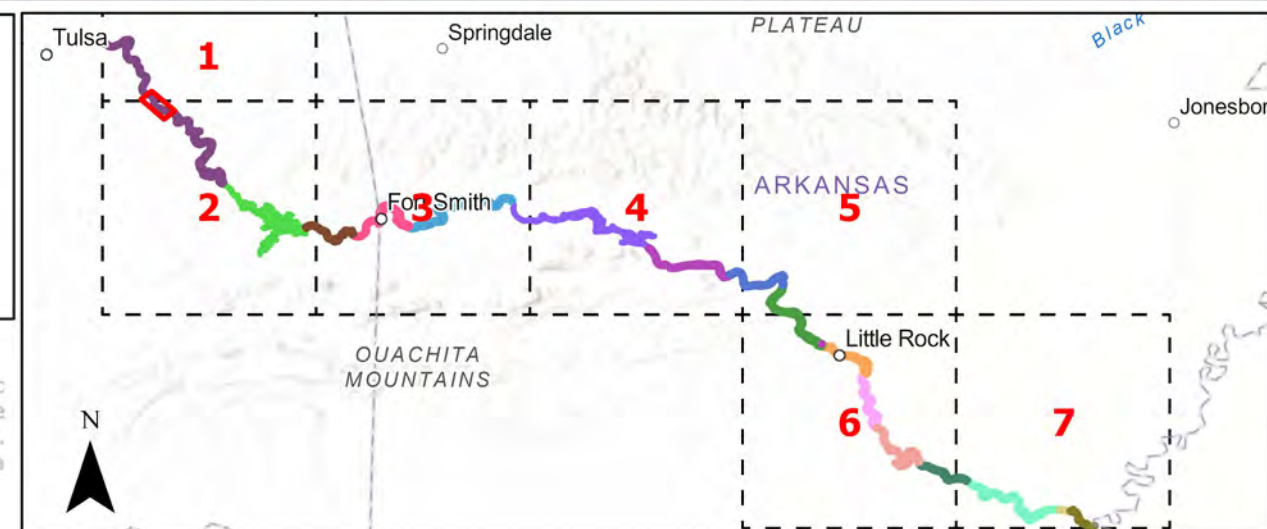
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Map 5 of 47

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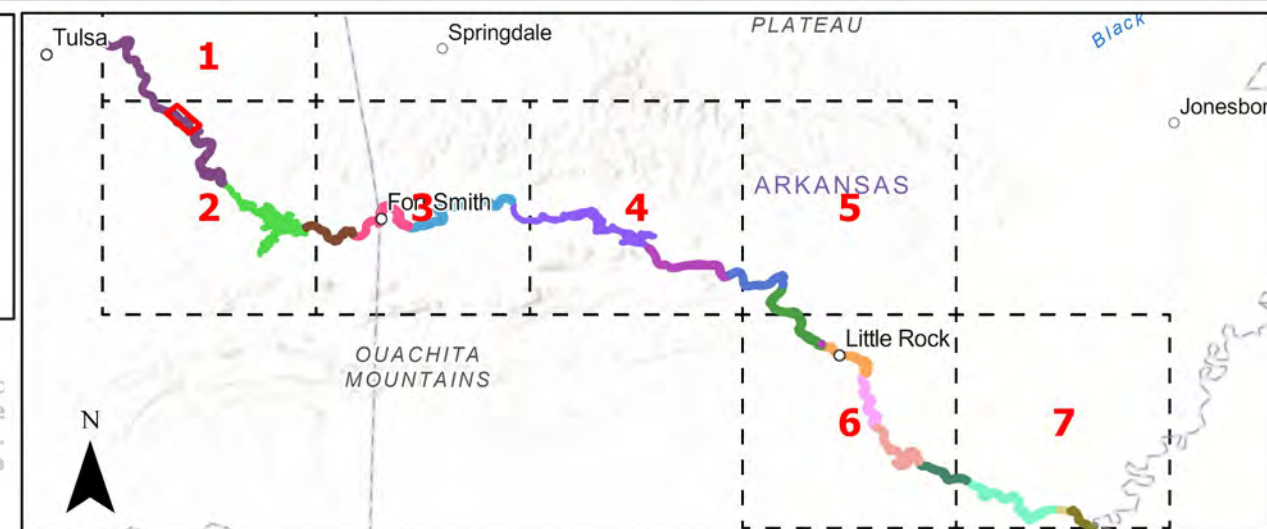
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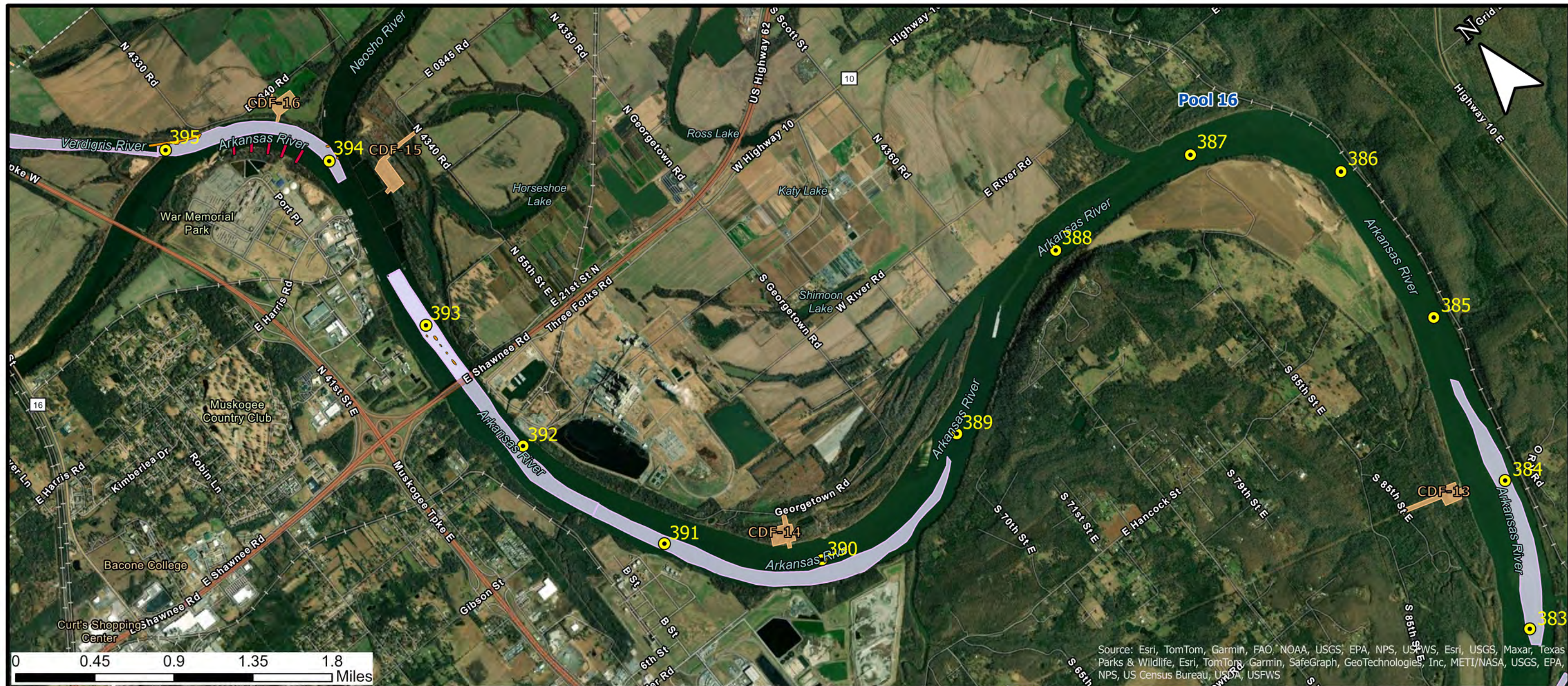
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Map 6 of 47

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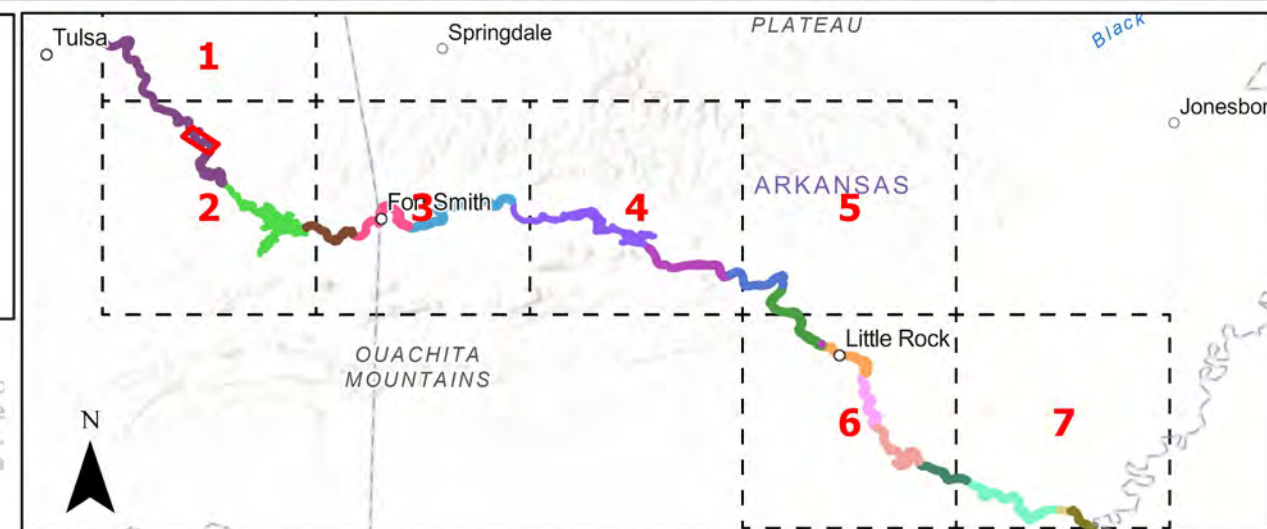
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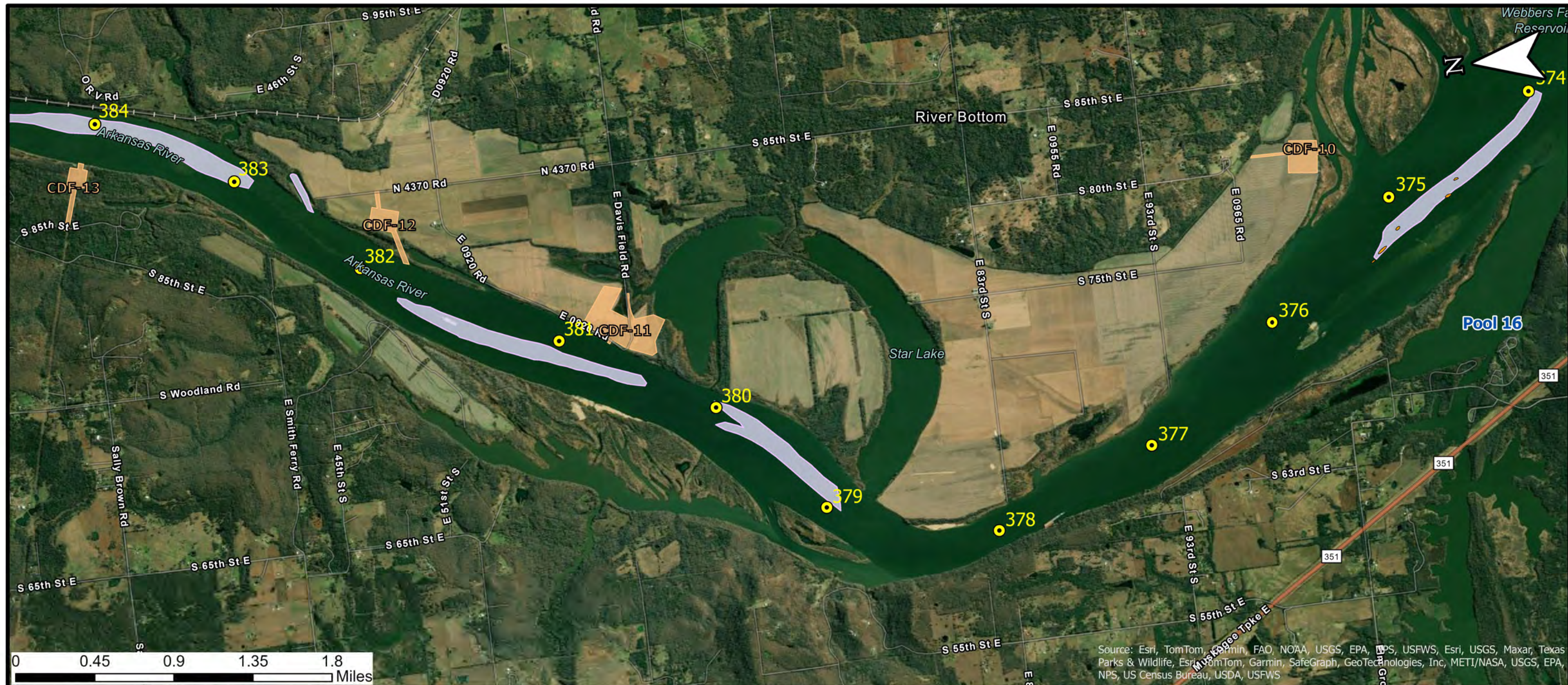
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- Existing Structures
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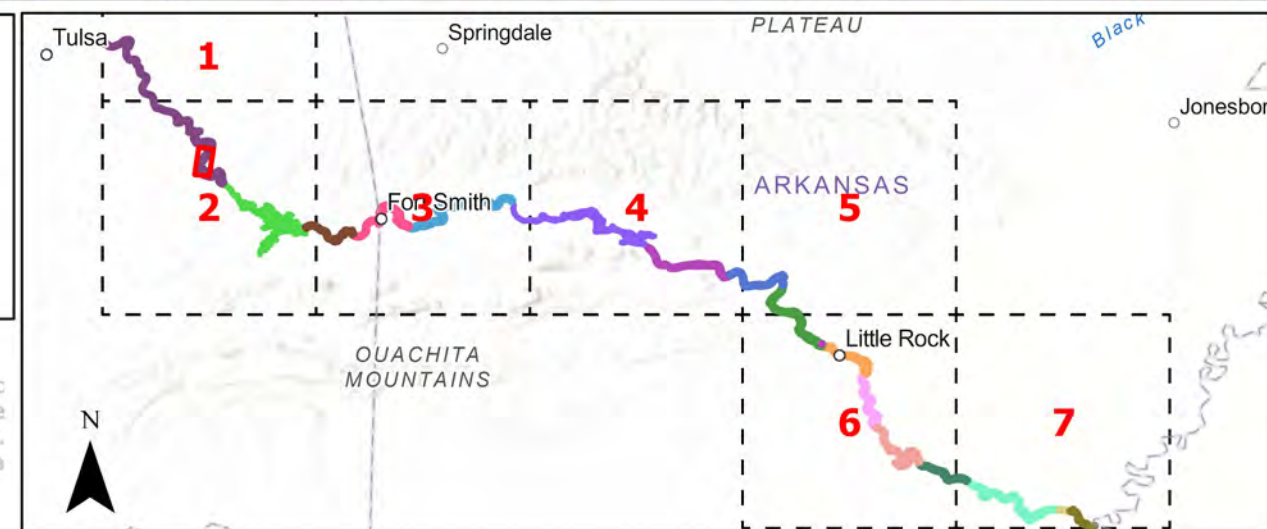
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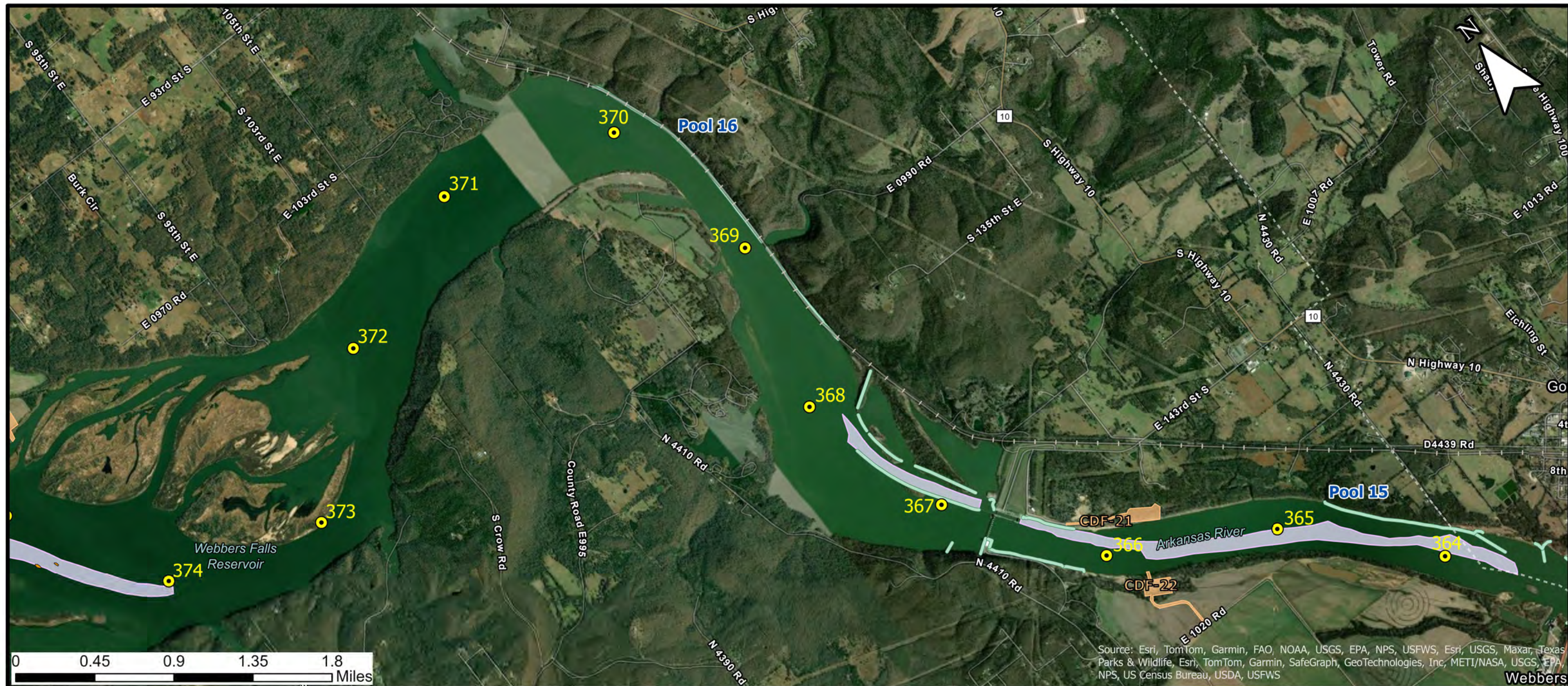
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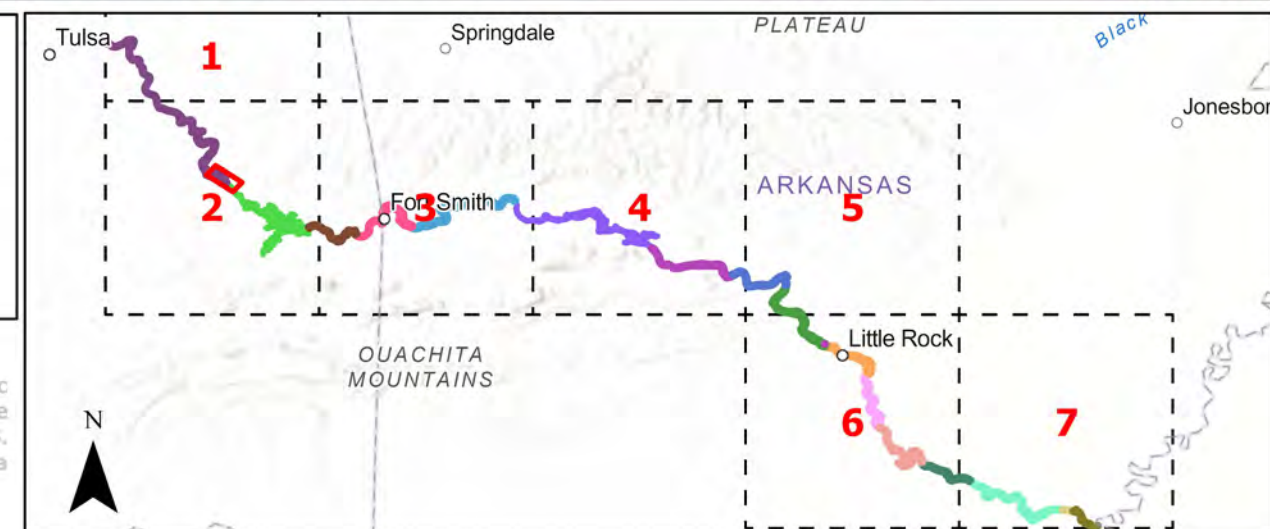
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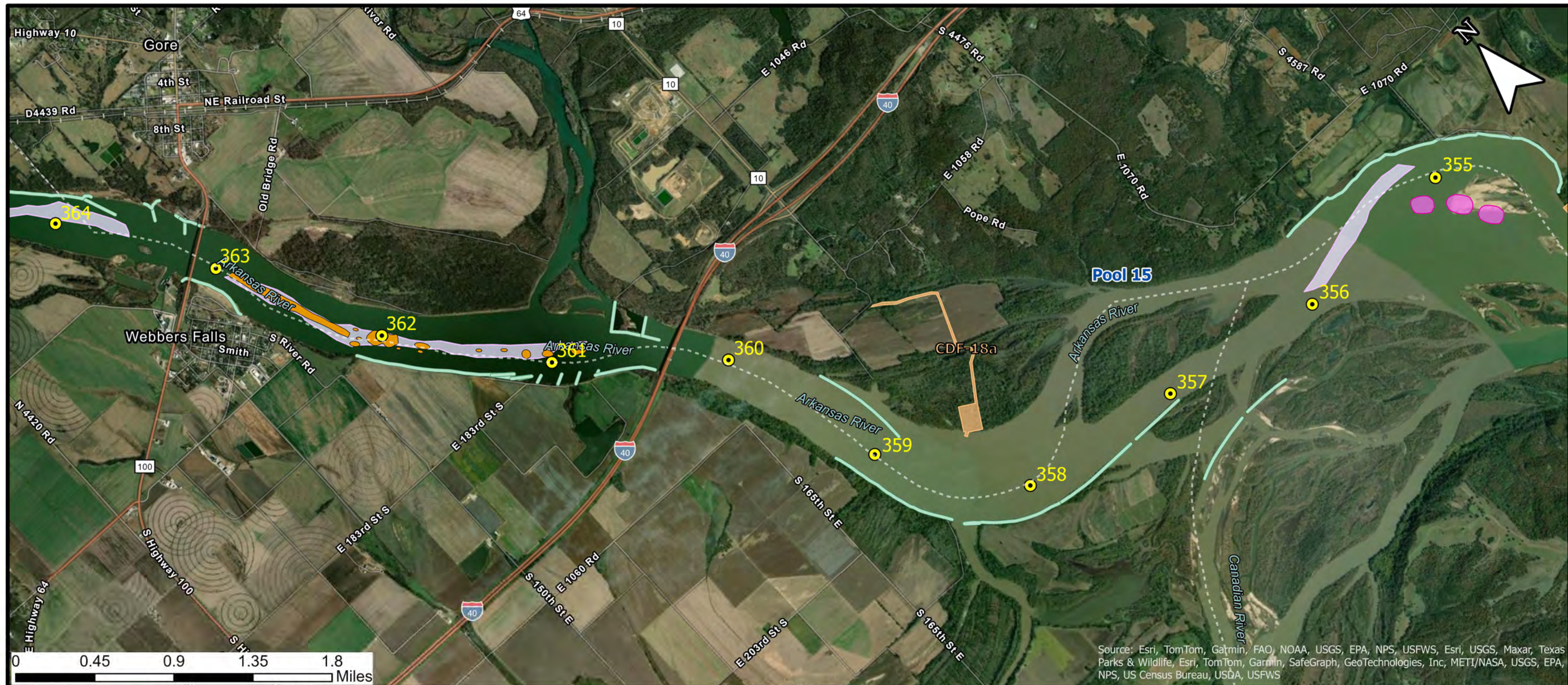
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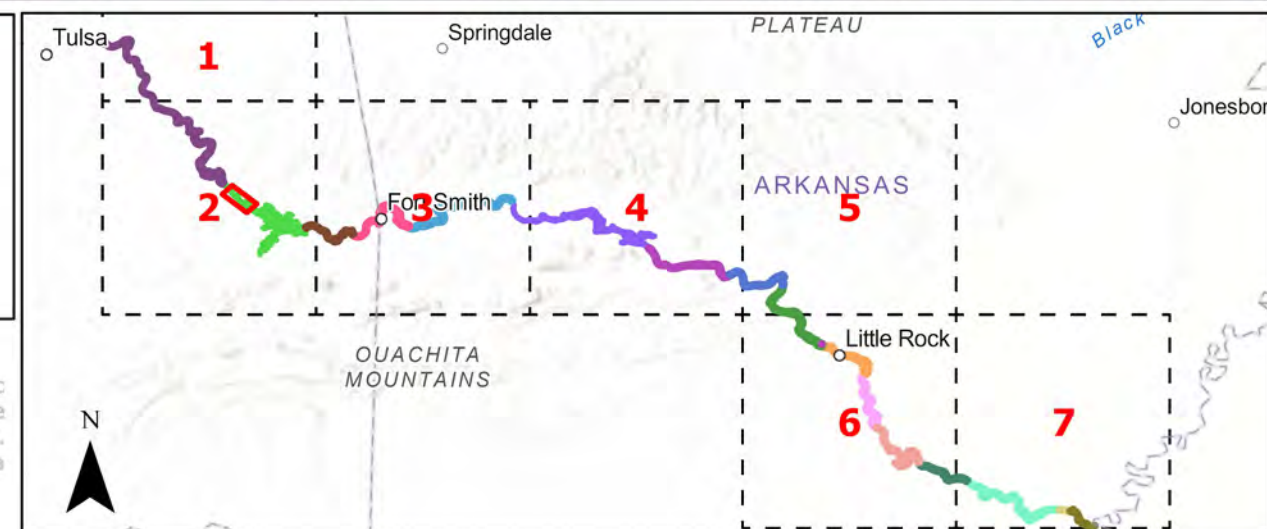
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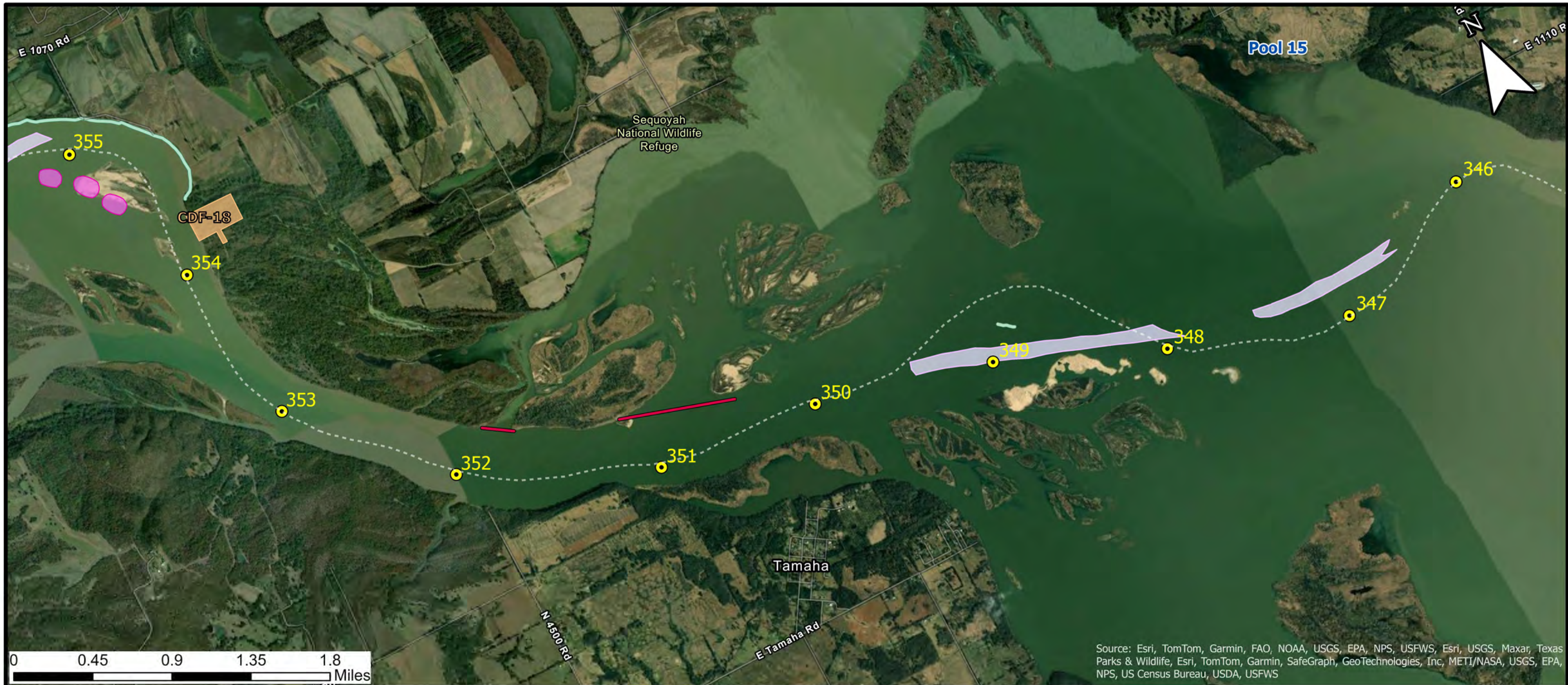
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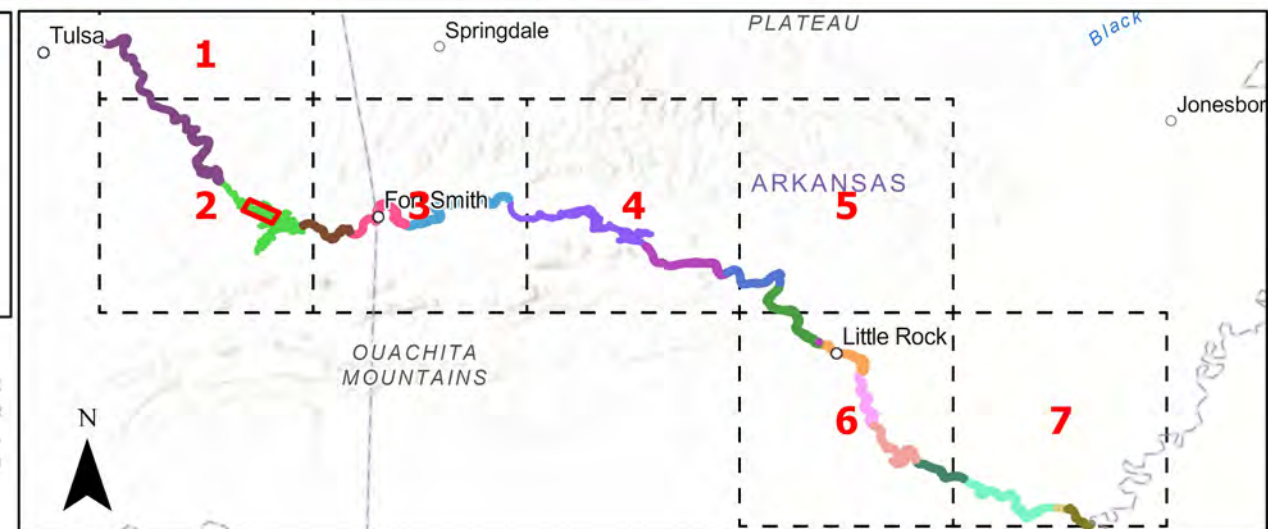
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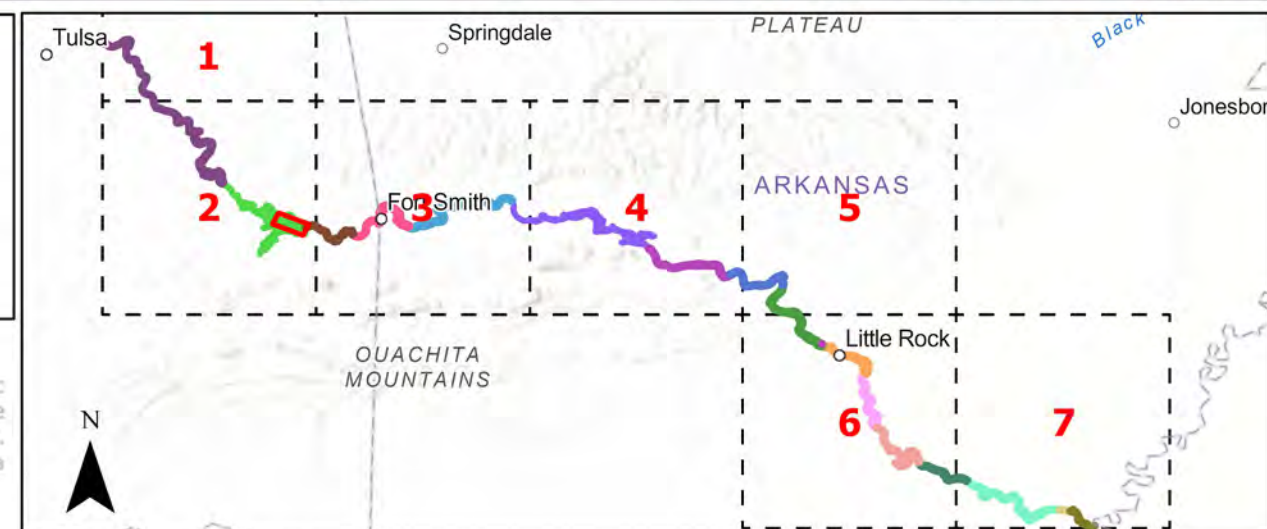
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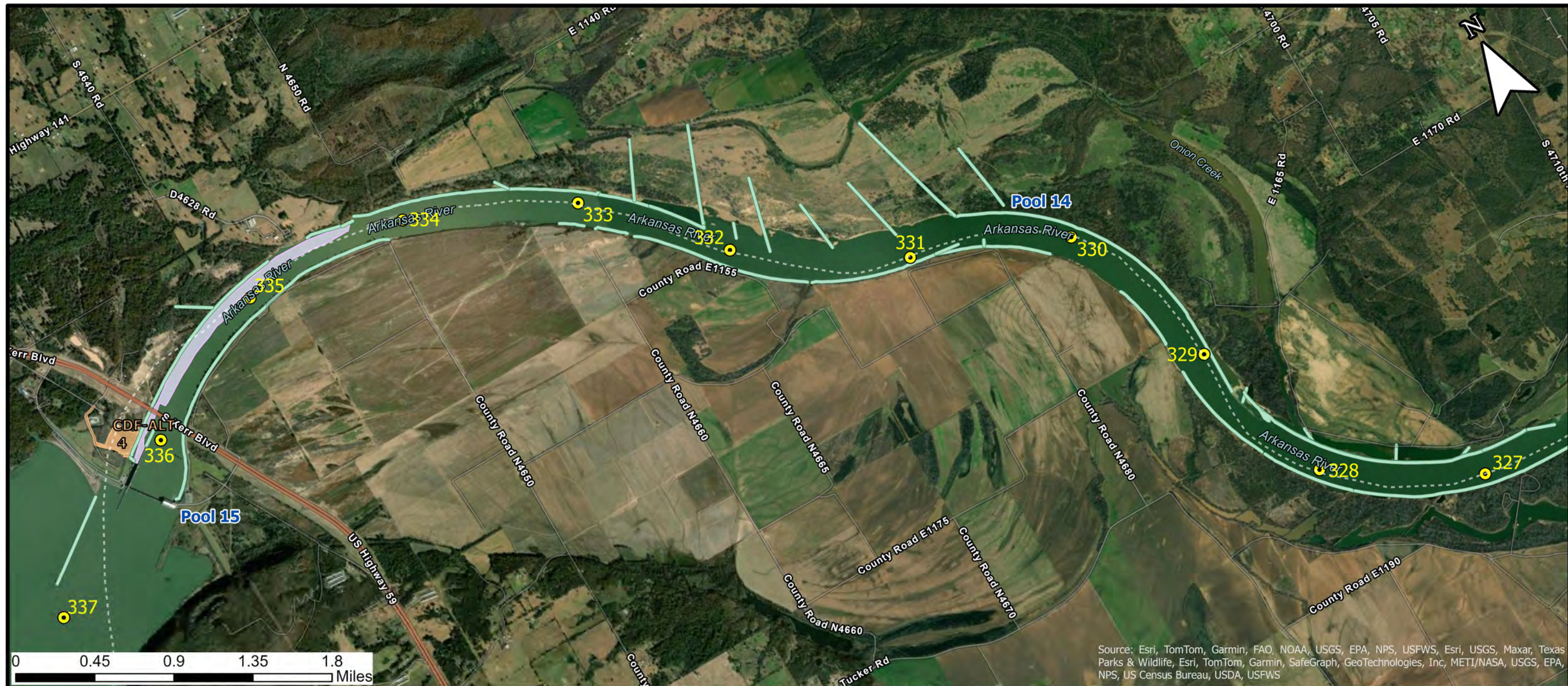
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PCS: NAD 1983 UTM Zone 15N ft

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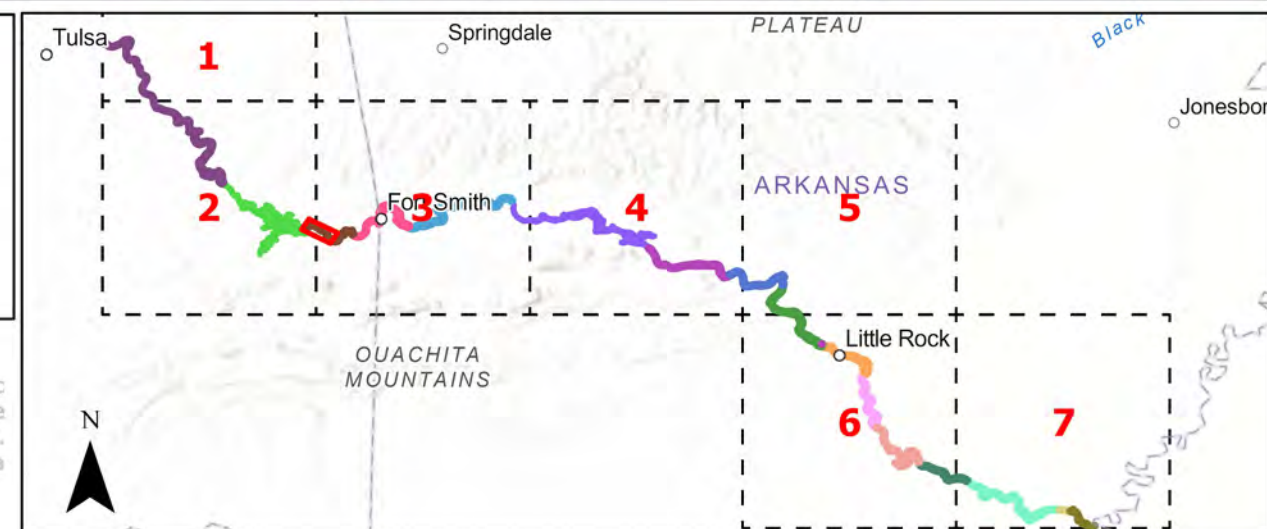
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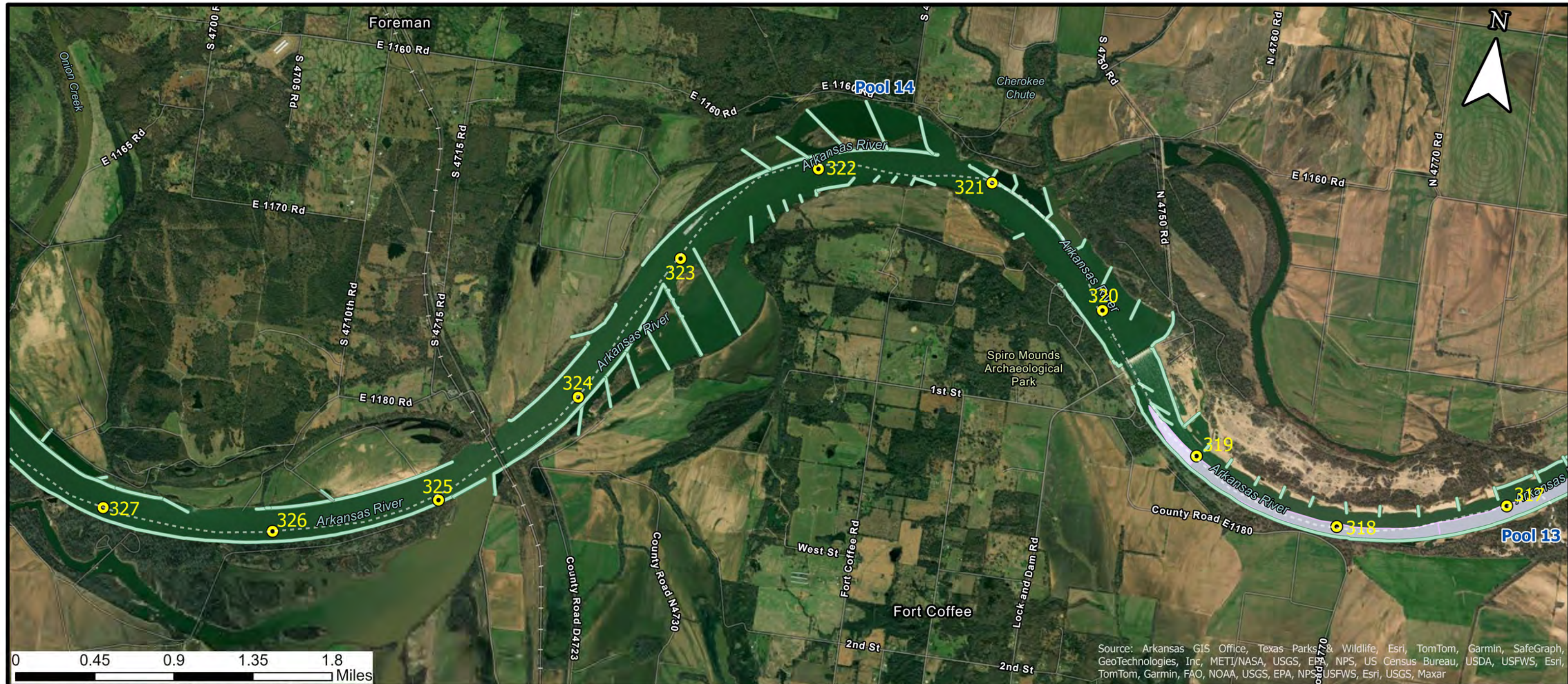
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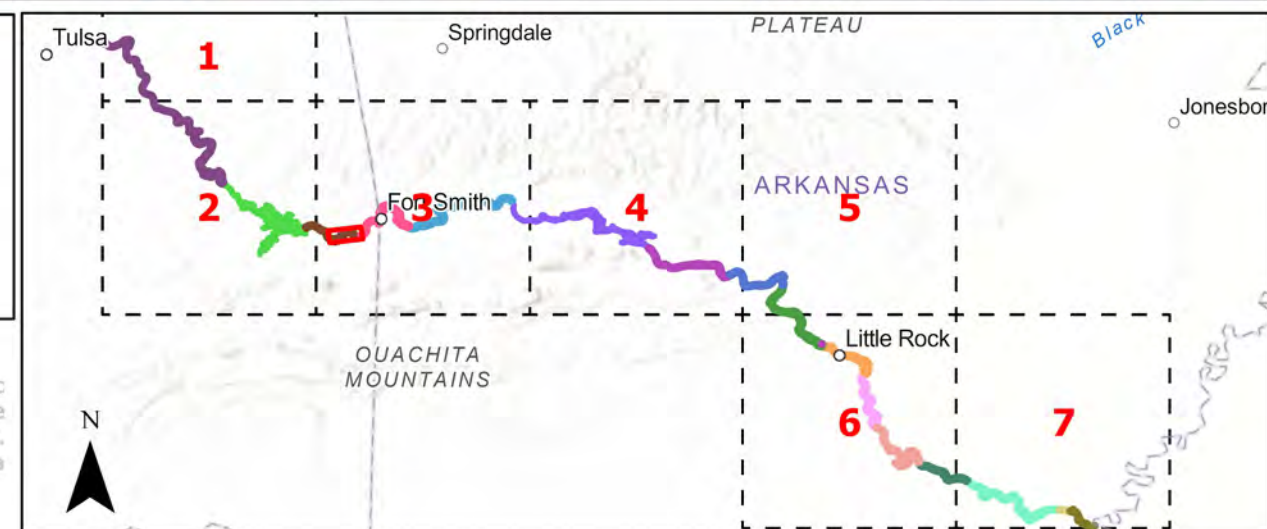
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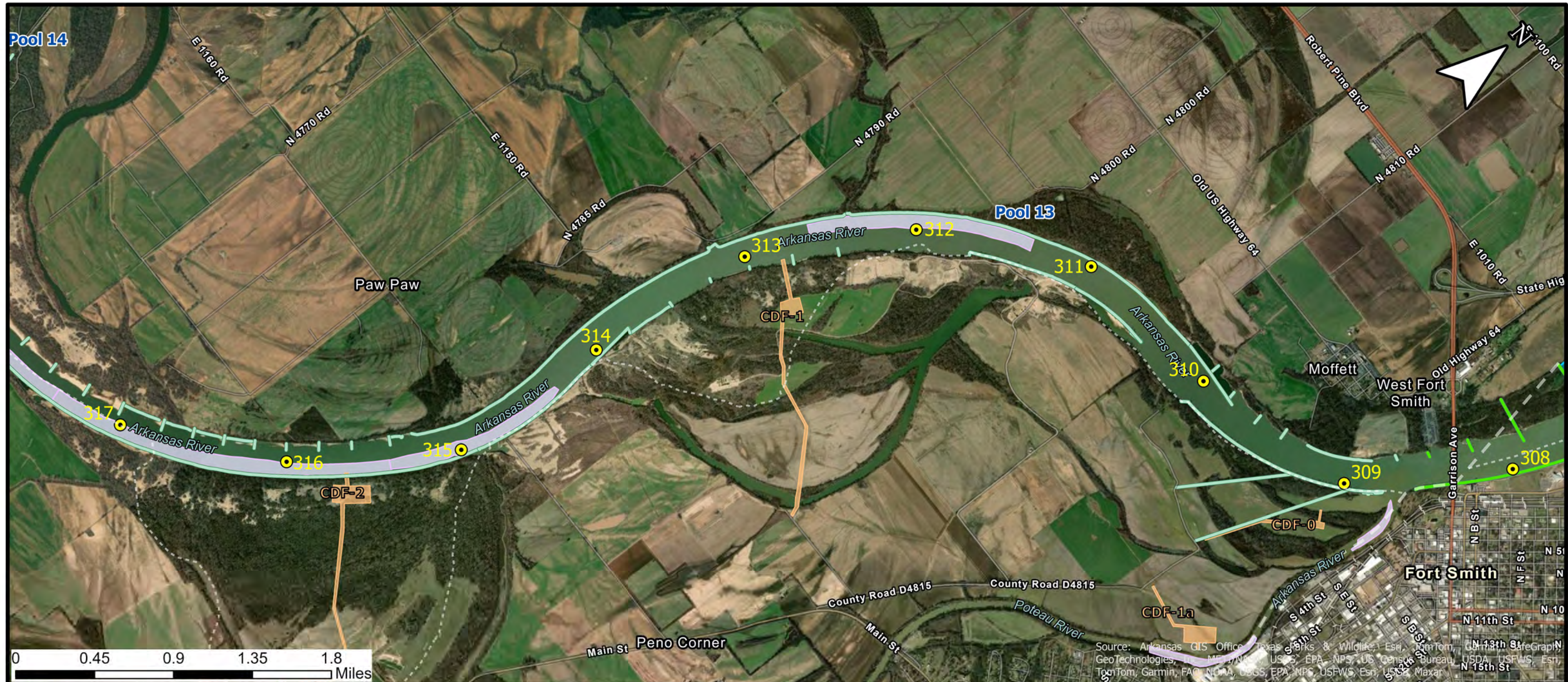
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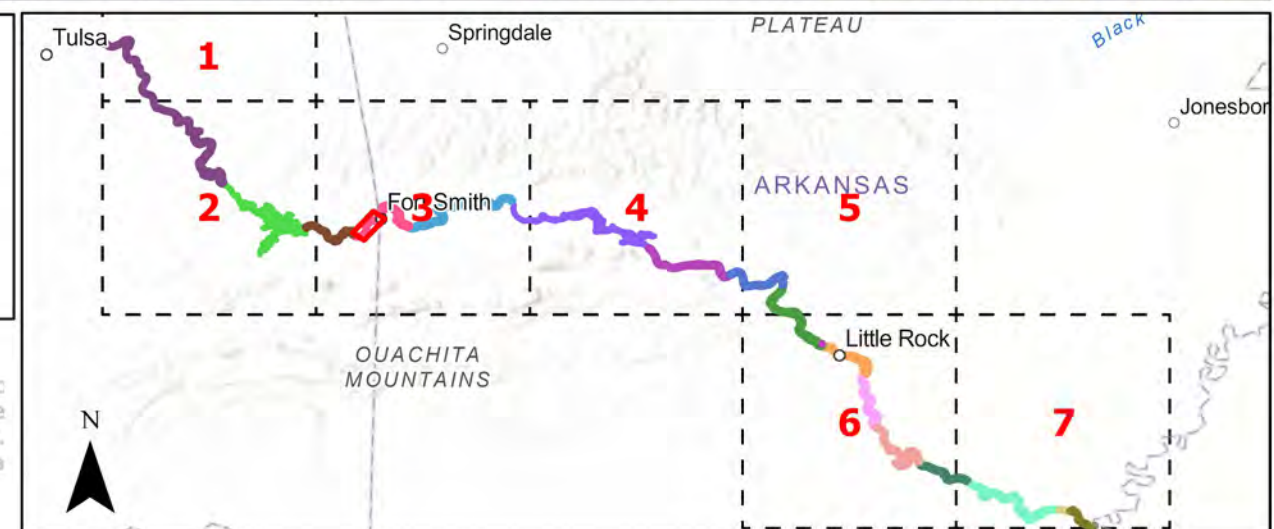
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Map 15 of 47

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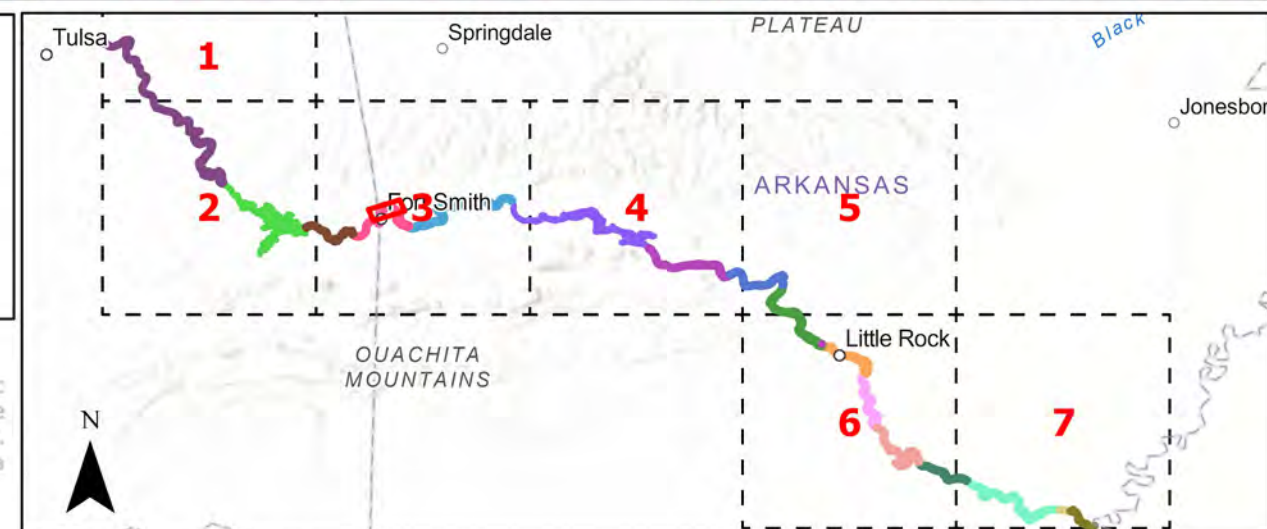
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PCS: NAD 1983 UTM Zone 15N ft
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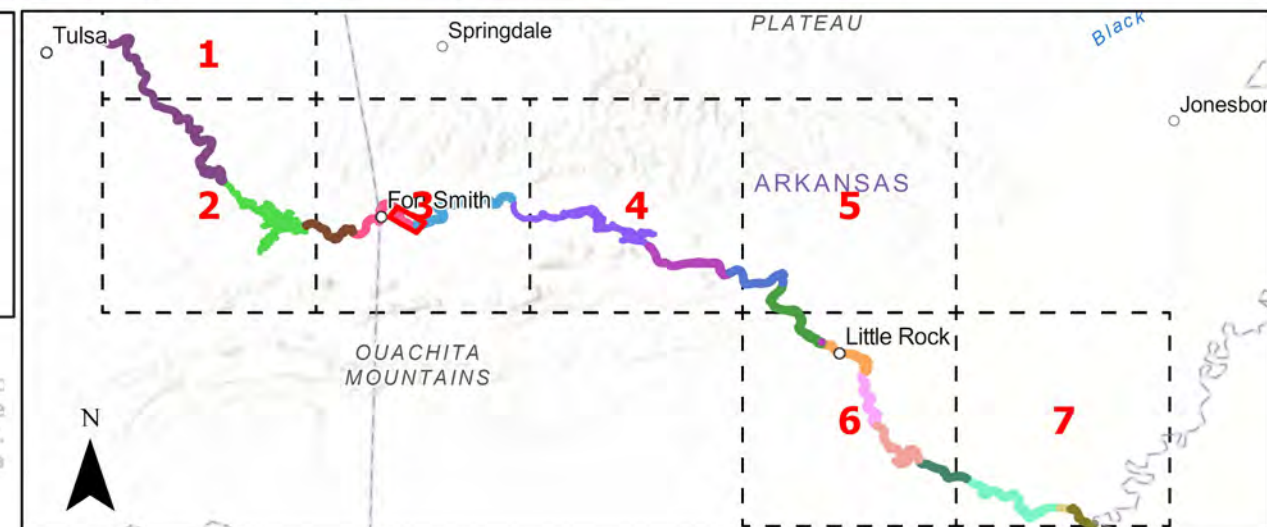
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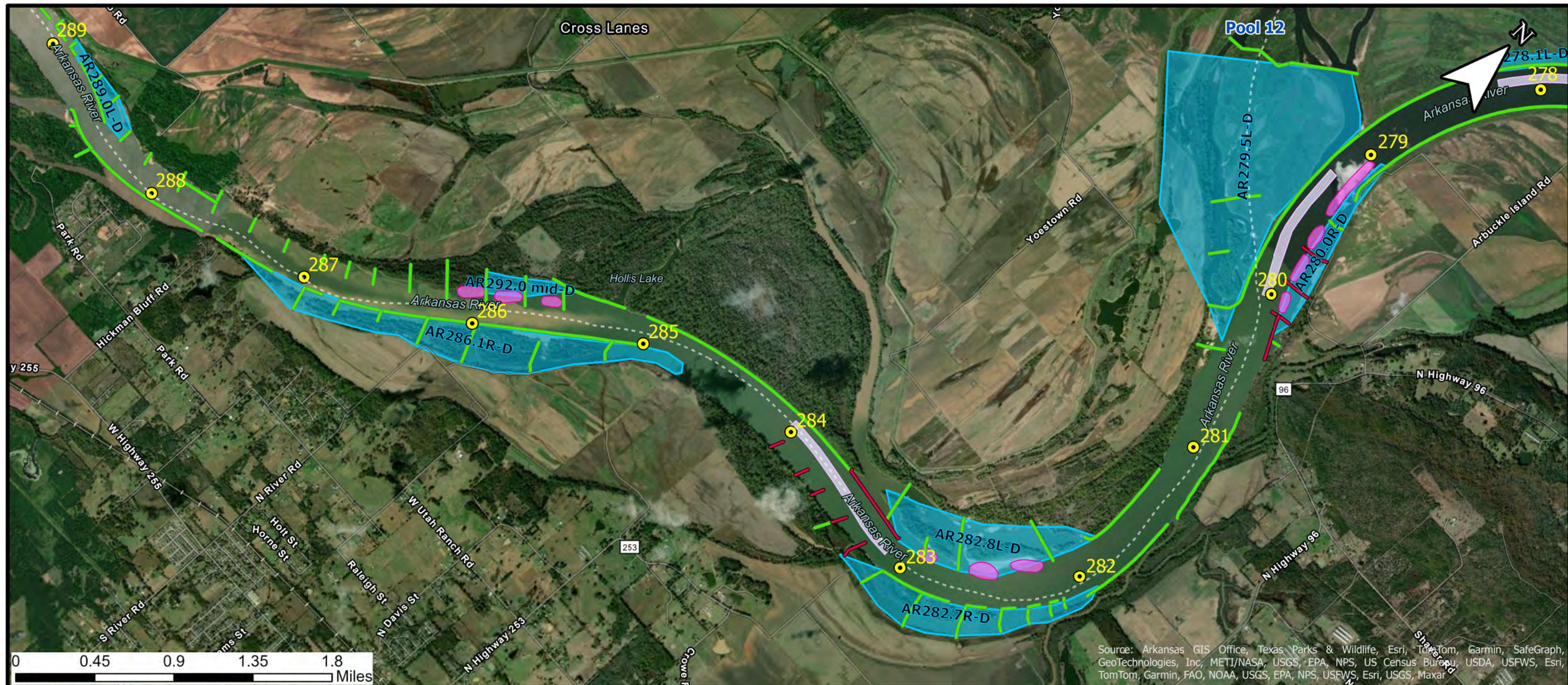
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Source: Arkansas GIS Office, Texas Parks & Wildlife, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, Esri, TomTom, Garmin, FAO, NOAA, USGS, EPA, NPS, USFWS, Esri, USGS, Maxar



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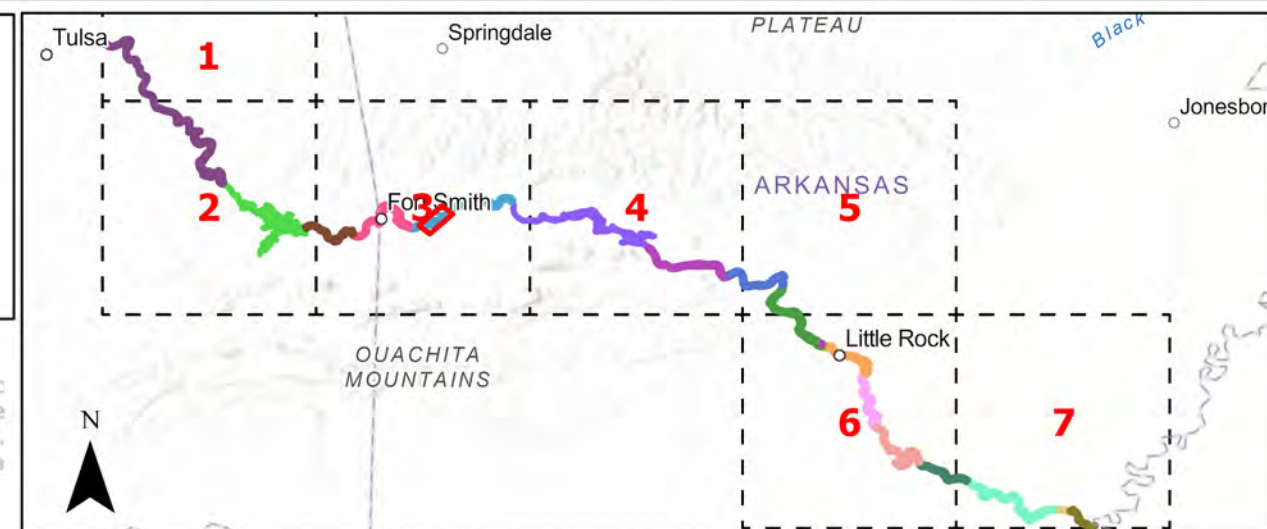
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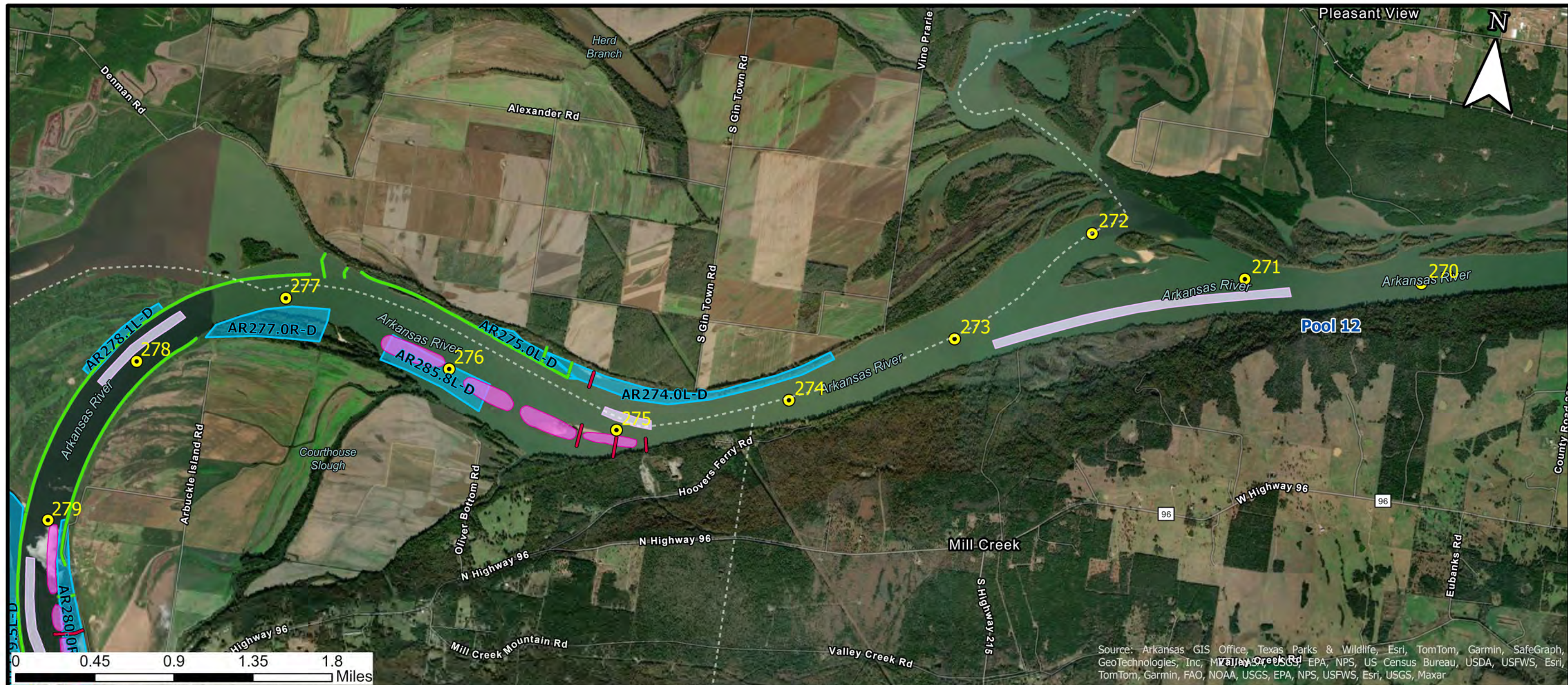
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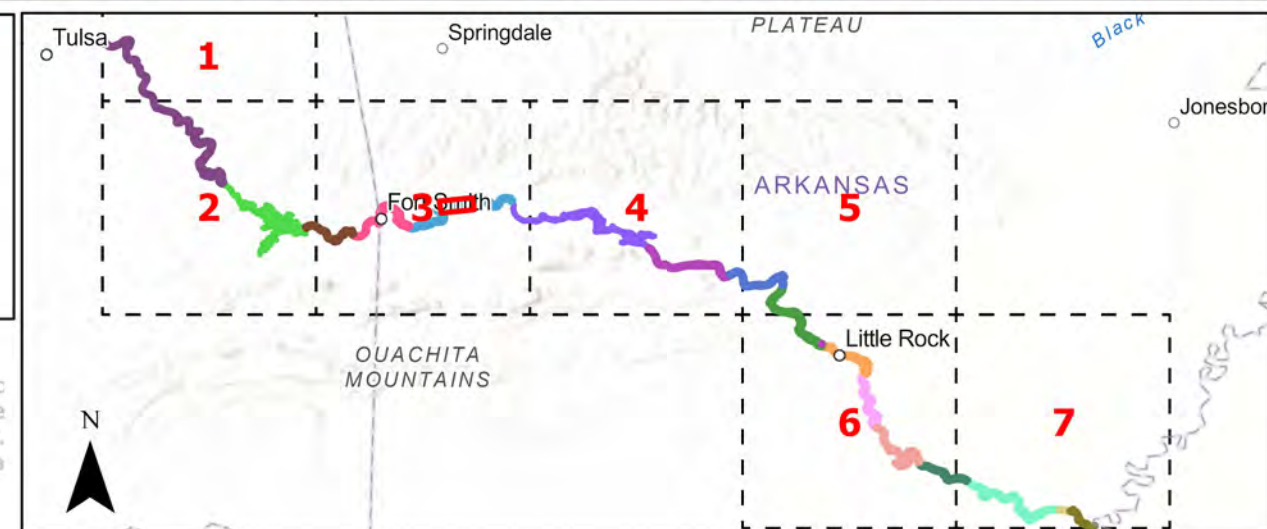
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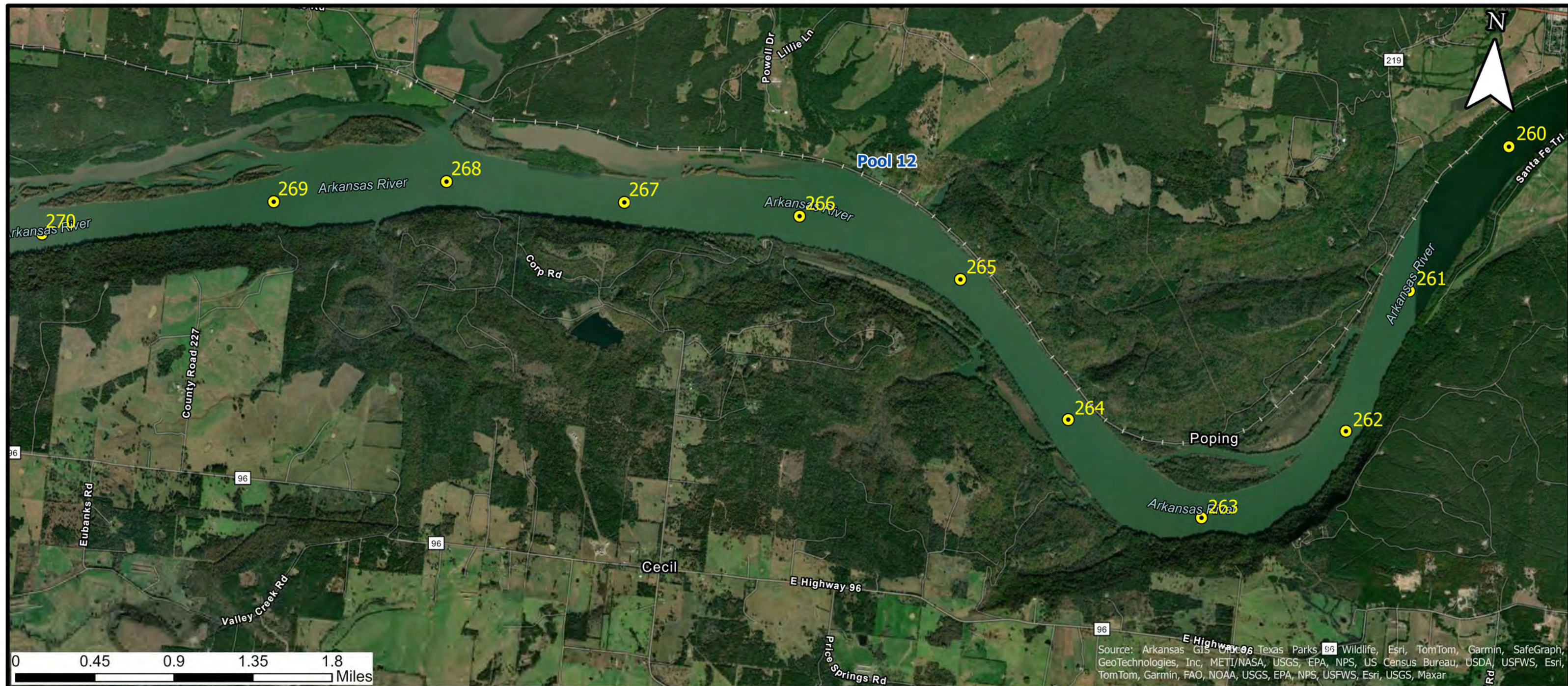
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Map 19 of 47

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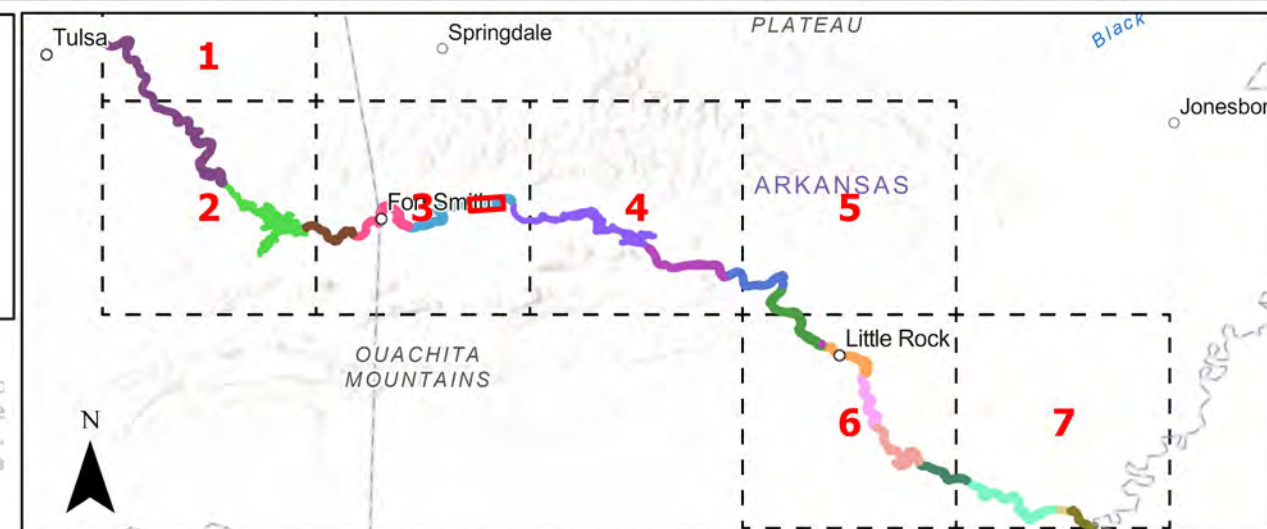
Creator: E Larrat Updated: 07/29/2024

THIS MAP SUPERSEDES ALL PREVIOUS VERSIONS

Legend

- | | |
|---------------------------------|--------------------------------|
| Proposed Training Structures | Proposed Upland Disposal Sites |
| Existing Structures | Known Gravel Beds |
| Proposed Sandbar Islands | Proposed Dredging Locations |
| Proposed Aquatic Disposal Sites | Upland Mitigation Sites |

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MKARNS 12ft Channel Deepening Project



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Center

Map 20 of 47

PCS: NAD 1983 UTM Zone 15N ft
Scale: 1:34,000

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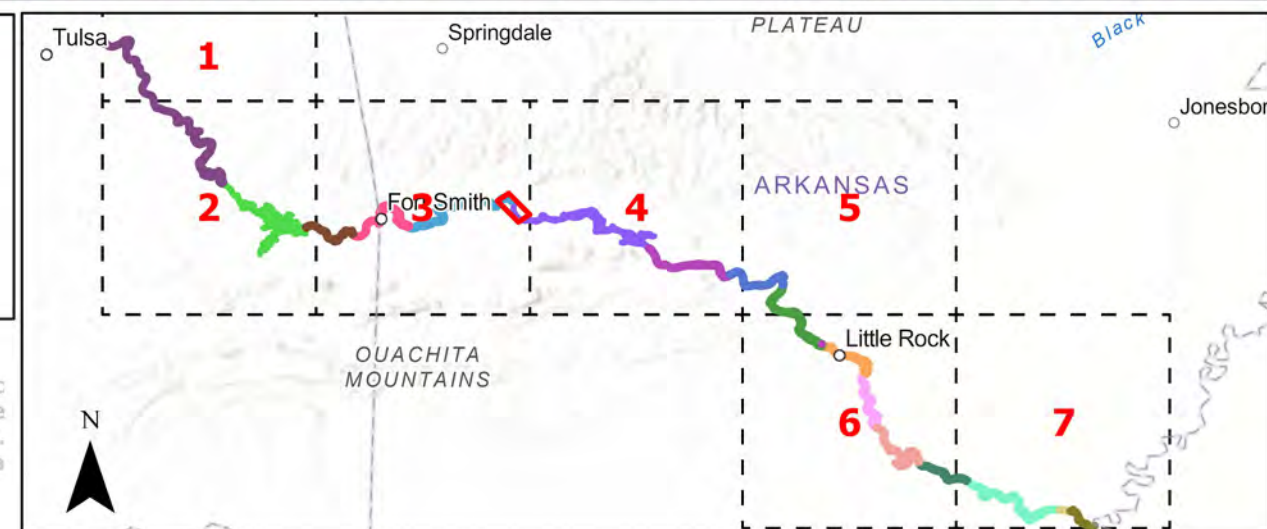
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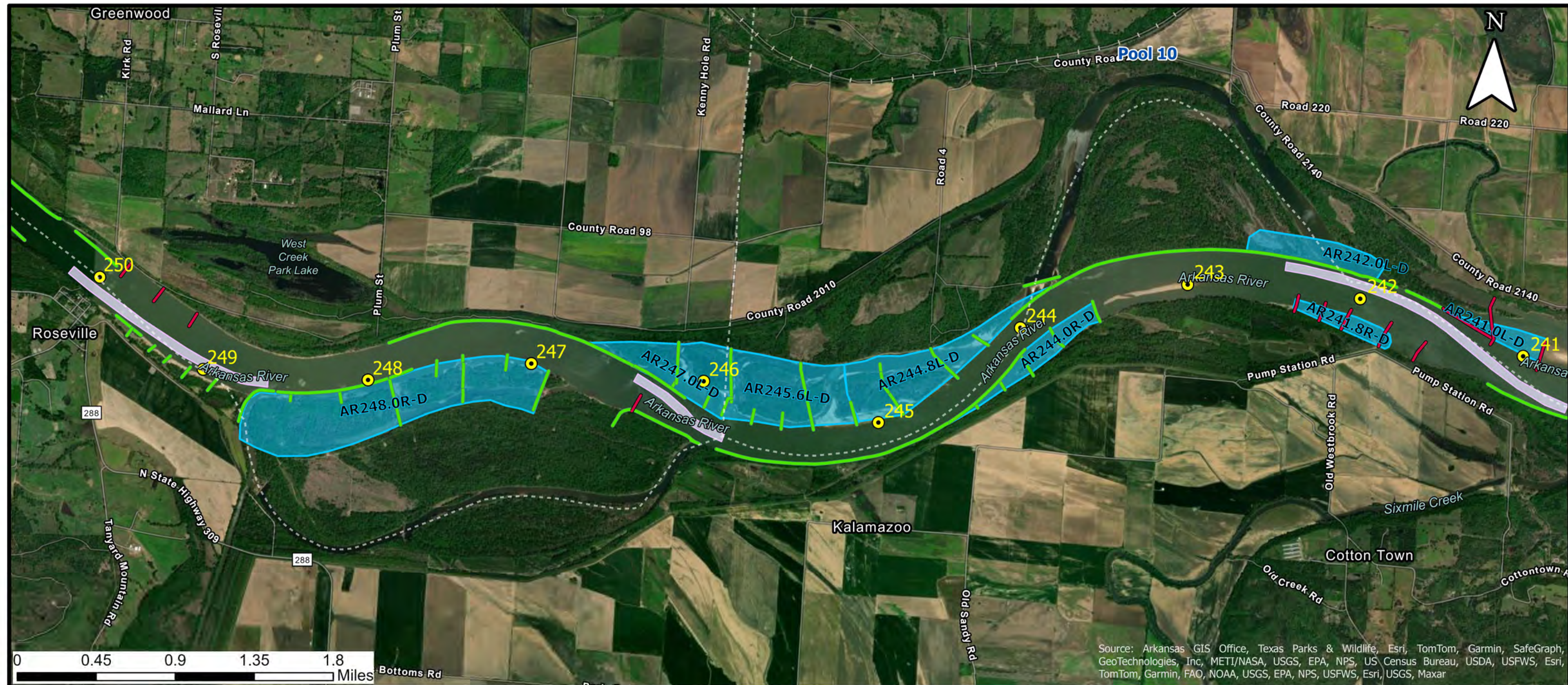
Legend

- Proposed Training Structures
- Existing Structures
- Proposed Sandbar Islands
- Proposed Aquatic Disposal Sites
- Proposed Upland Disposal Sites
- Known Gravel Beds
- Proposed Dredging Locations
- Upland Mitigation Sites

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Map 21 of 47

PCS: NAD 1983 UTM Zone 15N ft
Scale: 1:34,000

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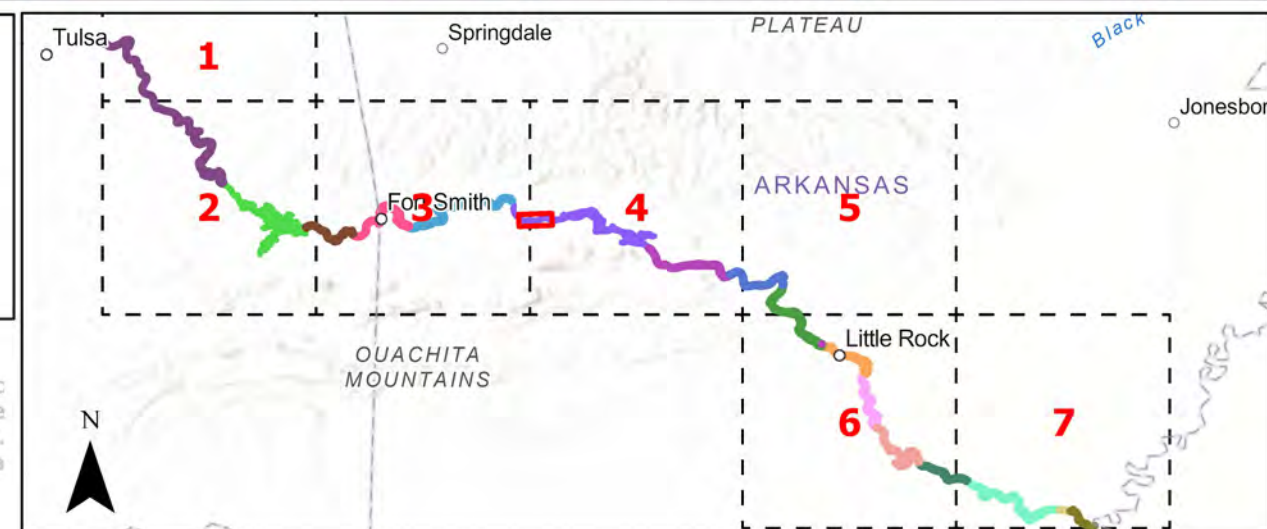
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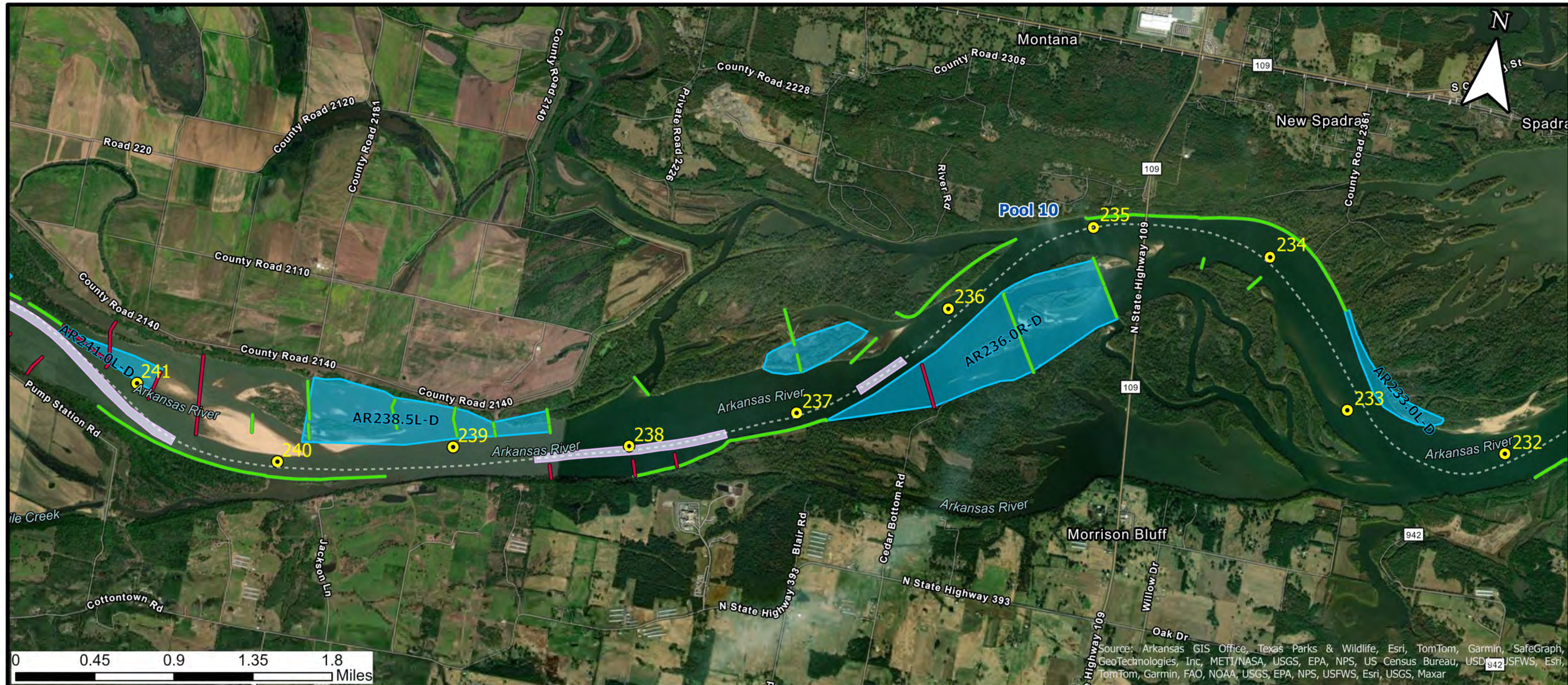
Legend

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|---------------------------------|--------------------------------|
| Proposed Training Structures | Proposed Upland Disposal Sites |
| Existing Structures | Known Gravel Beds |
| Proposed Sandbar Islands | Proposed Dredging Locations |
| Proposed Aquatic Disposal Sites | Upland Mitigation Sites |

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Map 22 of 47

PCS: NAD 1983 UTM Zone 15N ft
Scale: 1:34,000

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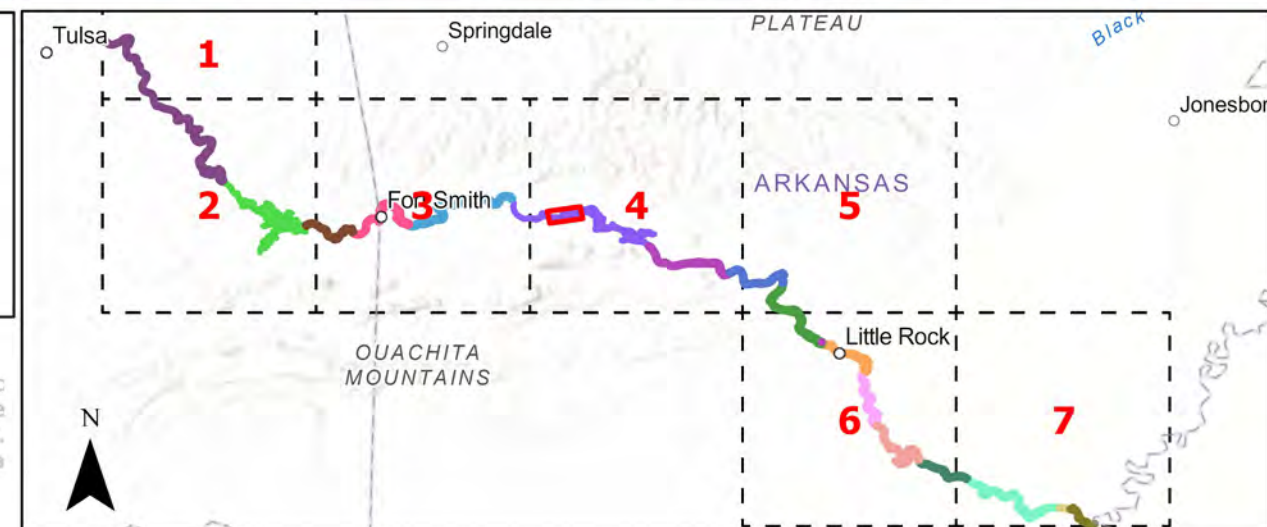
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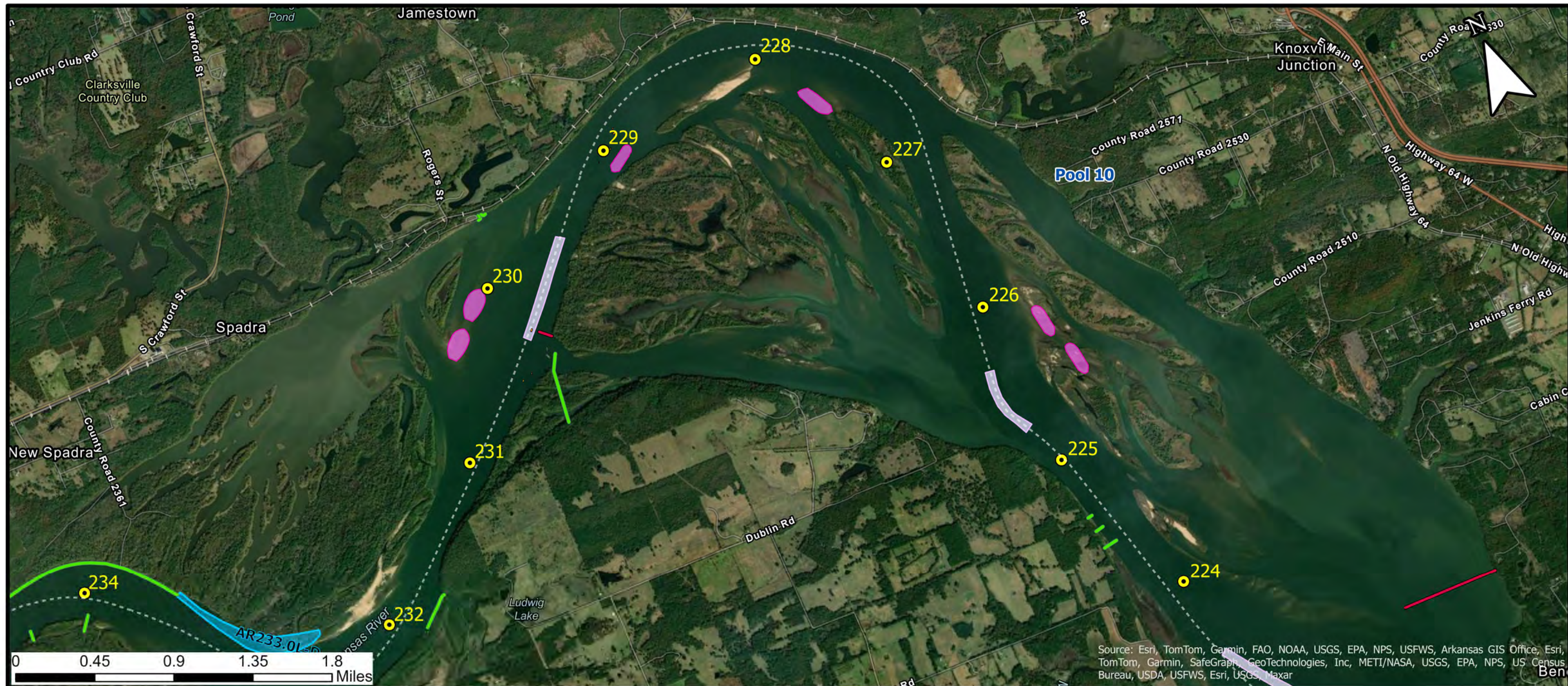
Legend

- Proposed Training Structures
- Existing Structures
- Proposed Sandbar Islands
- Proposed Aquatic Disposal Sites
- Proposed Upland Disposal Sites
- Known Gravel Beds
- Proposed Dredging Locations
- Upland Mitigation Sites

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Map 23 of 47

PCS: NAD 1983 UTM Zone 15N ft
Scale: 1:34,000

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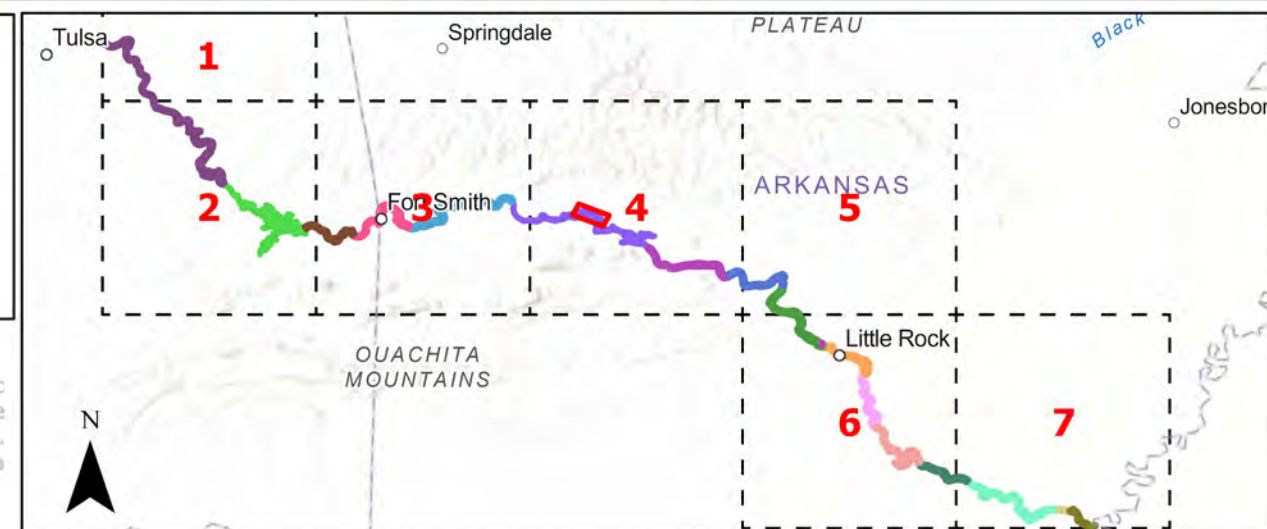
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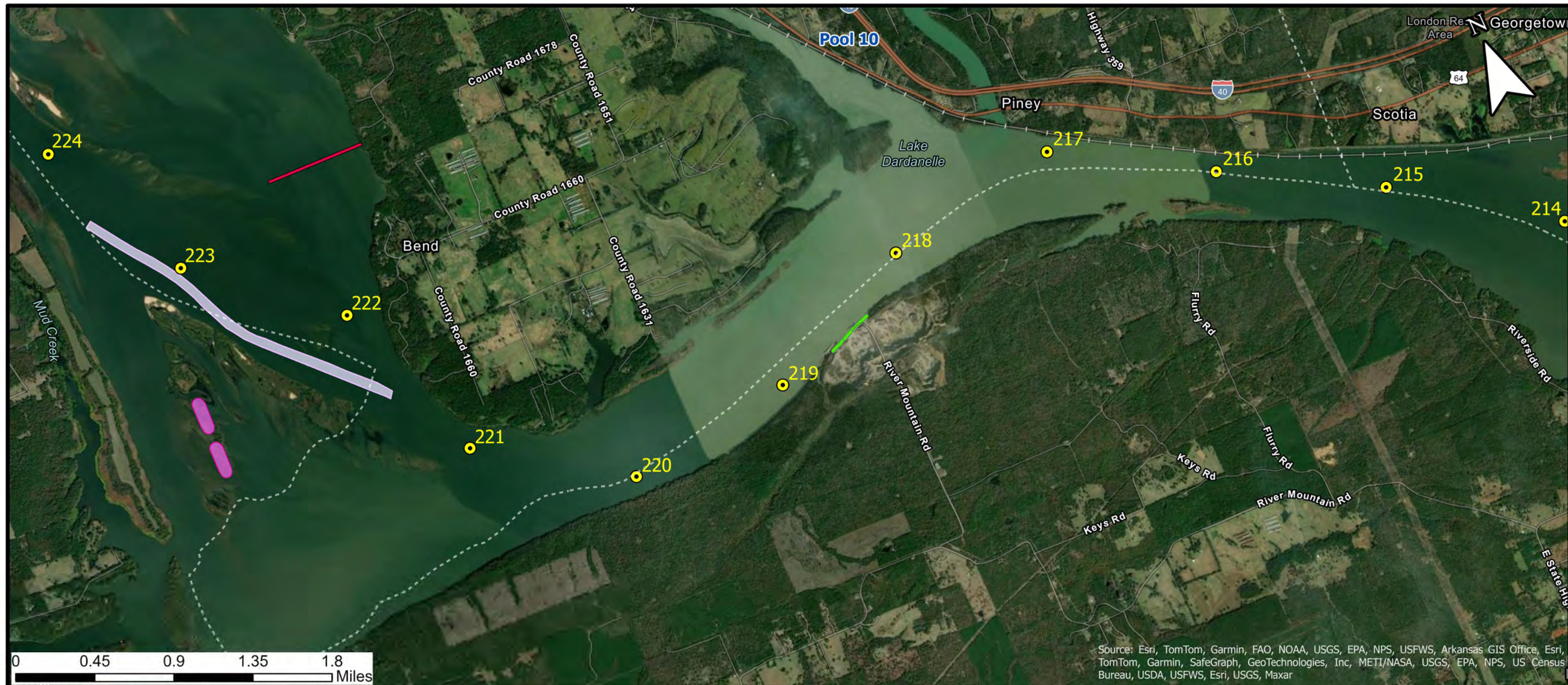
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|---------------------------------|--------------------------------|
| Proposed Training Structures | Proposed Upland Disposal Sites |
| Existing Structures | Known Gravel Beds |
| Proposed Sandbar Islands | Proposed Dredging Locations |
| Proposed Aquatic Disposal Sites | Upland Mitigation Sites |

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Map 24 of 47

PCS: NAD 1983 UTM Zone 15N ft
Scale: 1:34,000

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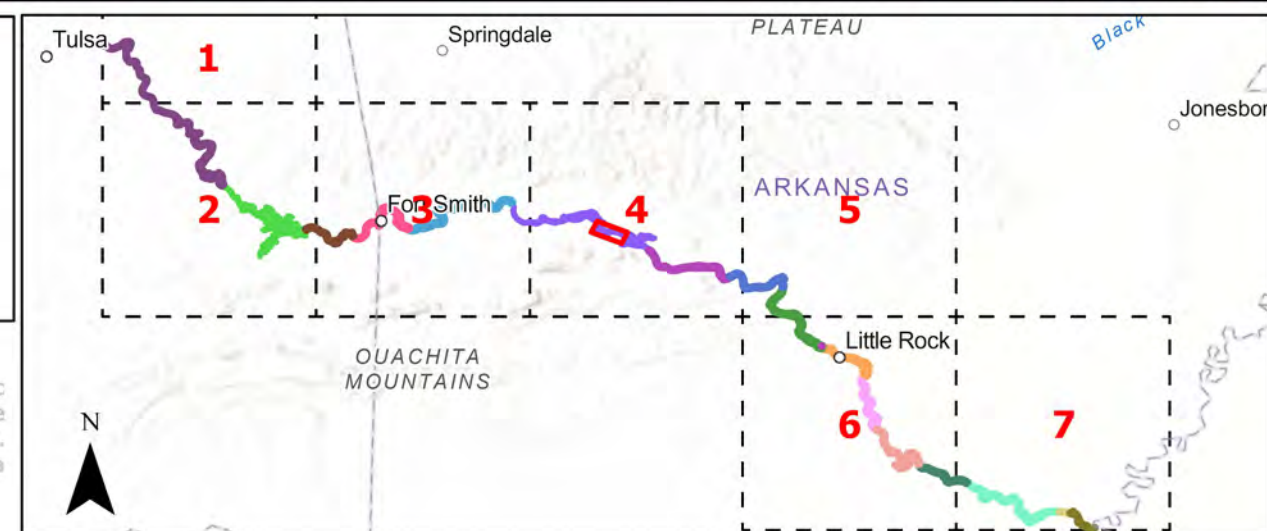
Creator: E Larrat Updated: 07/29/2024

THIS MAP SUPERSEDES ALL PREVIOUS VERSIONS

Legend

- Proposed Training Structures
- Existing Structures
- Proposed Sandbar Islands
- Proposed Aquatic Disposal Sites
- Proposed Upland Disposal Sites
- Known Gravel Beds
- Proposed Dredging Locations
- Upland Mitigation Sites

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Map 25 of 47

PCS: NAD 1983 UTM Zone 15N ft
Scale: 1:34,000

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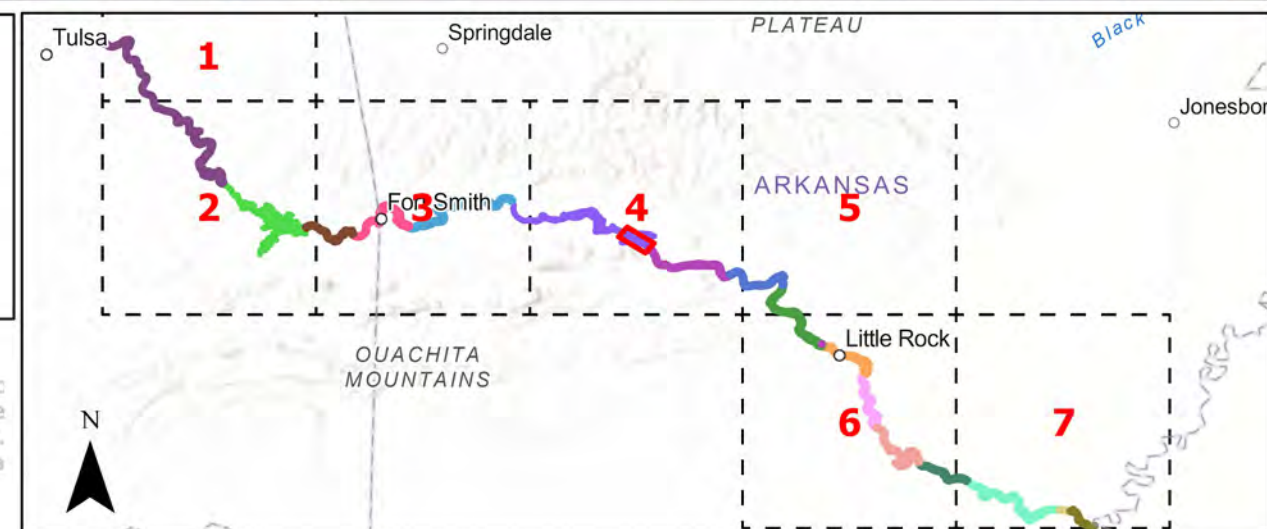
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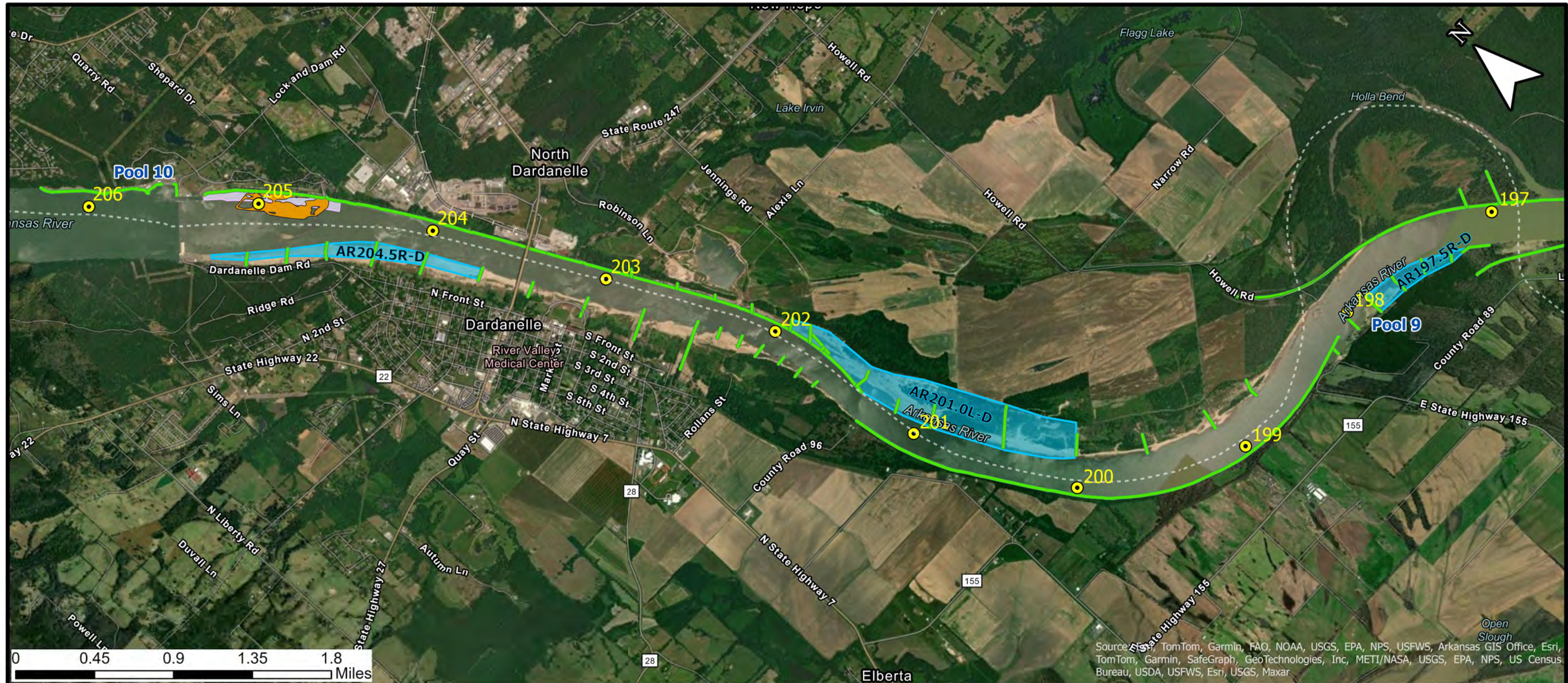
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|---------------------------------|--------------------------------|
| Proposed Training Structures | Proposed Upland Disposal Sites |
| Existing Structures | Known Gravel Beds |
| Proposed Sandbar Islands | Proposed Dredging Locations |
| Proposed Aquatic Disposal Sites | Upland Mitigation Sites |

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Map 26 of 47

PCS: NAD 1983 UTM Zone 15N ft
Scale: 1:34,000

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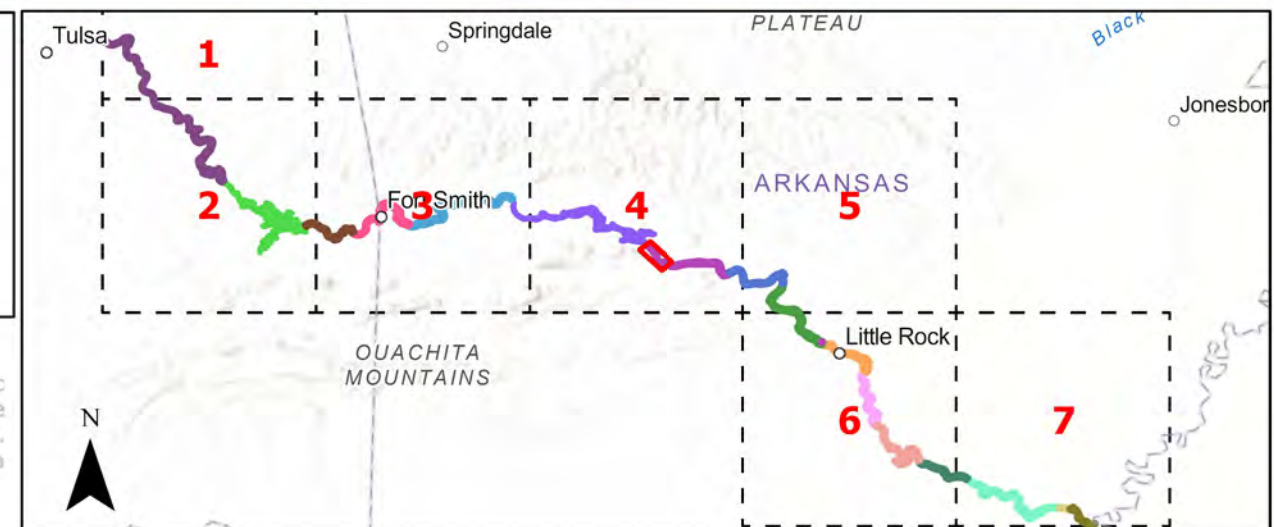
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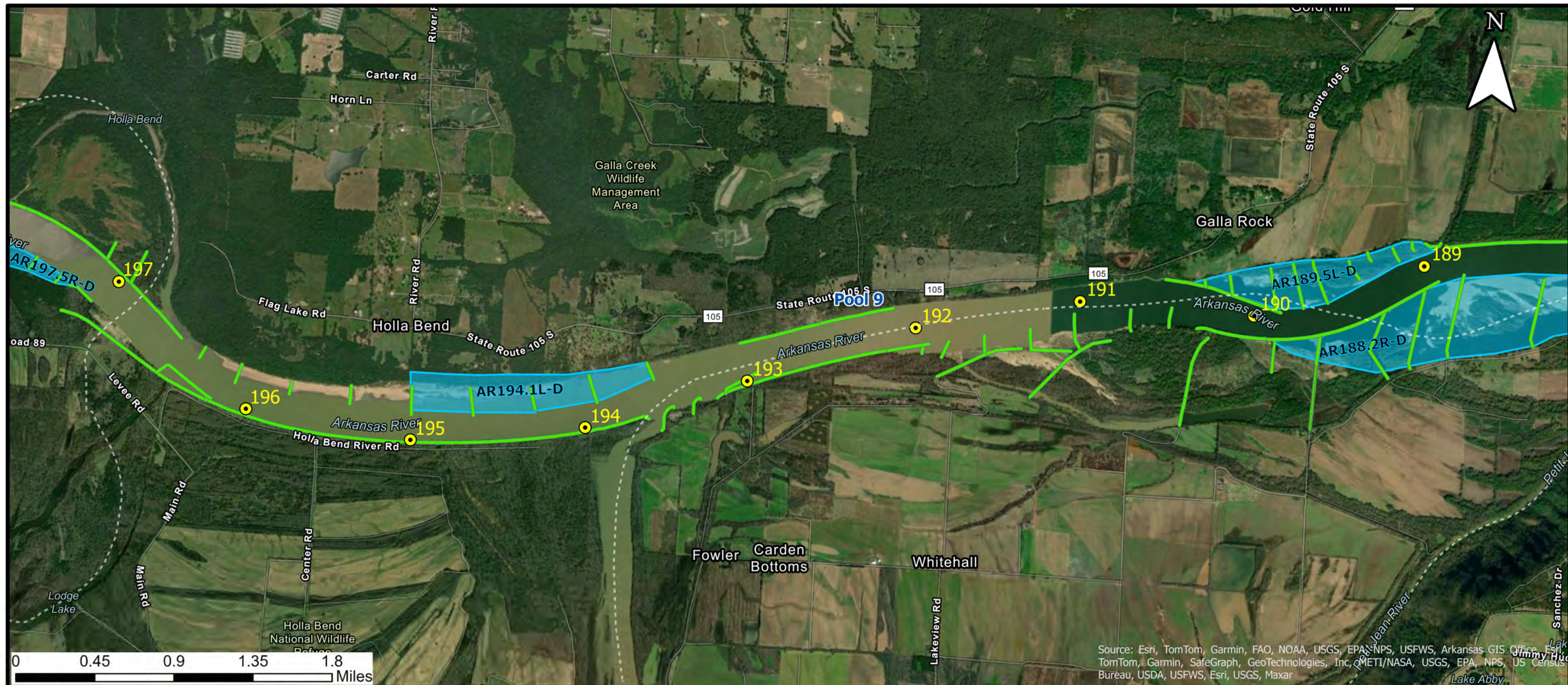
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|---|---|
| — Proposed Training Structures | Proposed Upland Disposal Sites |
| — Existing Structures | Known Gravel Beds |
| Proposed Sandbar Islands | Proposed Dredging Locations |
| Proposed Aquatic Disposal Sites | Upland Mitigation Sites |

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Source: Esri, TomTom, Garmin, FAO, NOAA, USGS, EPA, NPS, USFWS, Arkansas GIS Office, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc., METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, Esri, USGS, Maxar



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Map 27 of 47

PCS: NAD 1983 UTM Zone 15N ft
Scale: 1:34,000

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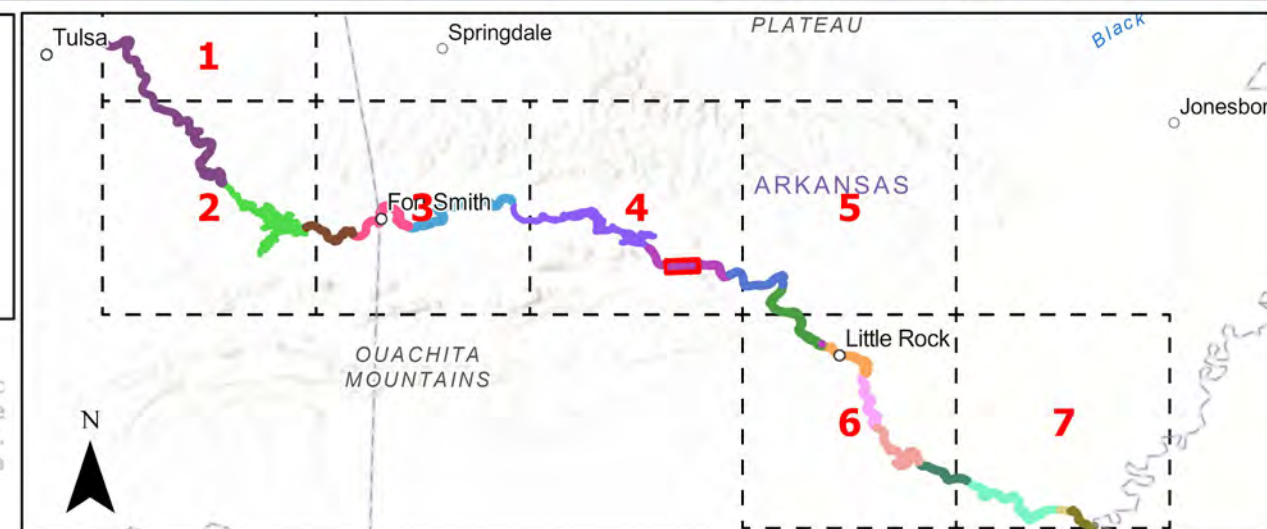
Creator: E Larrat Updated: 07/29/2024

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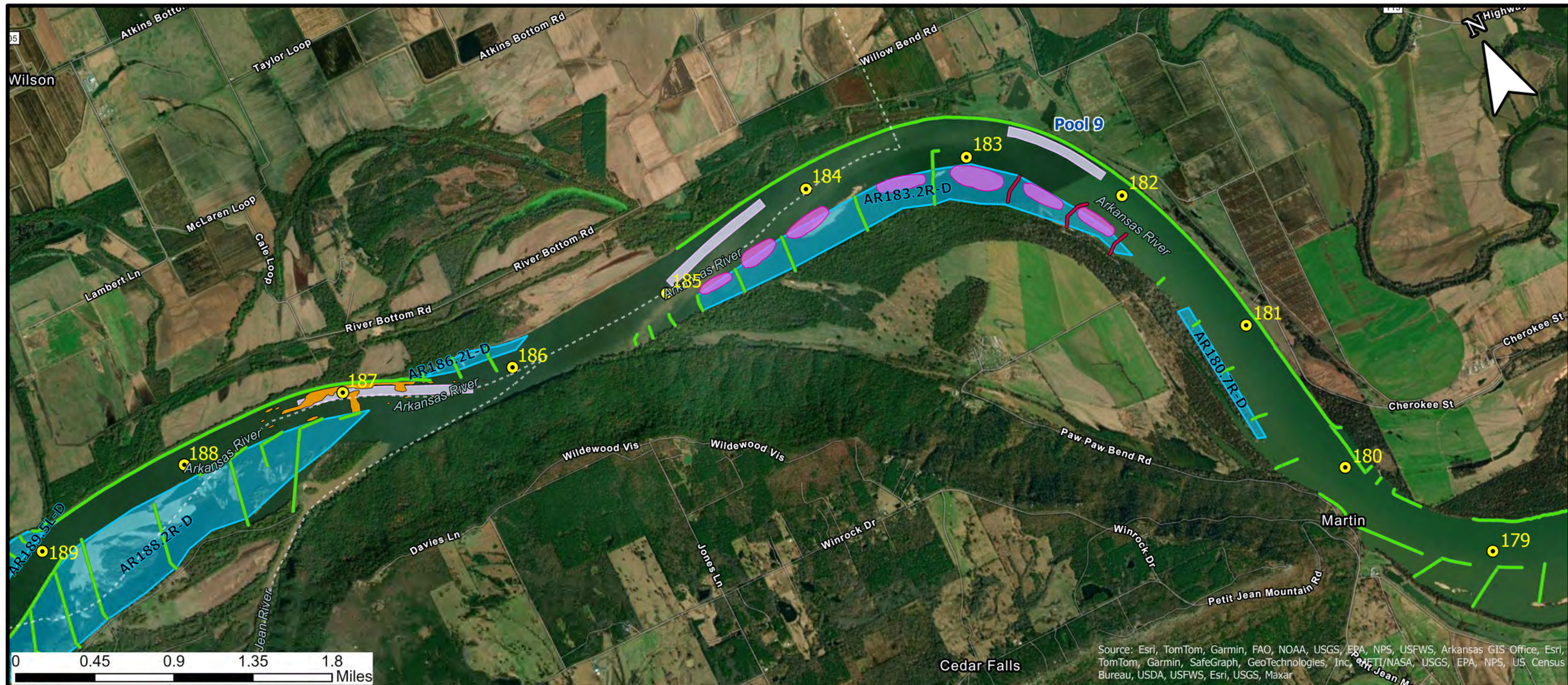
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| Proposed Training Structures | Proposed Upland Disposal Sites |
| Existing Structures | Known Gravel Beds |
| Proposed Sandbar Islands | Proposed Dredging Locations |
| Proposed Aquatic Disposal Sites | Upland Mitigation Sites |

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PCS: NAD 1983 UTM Zone 15N ft
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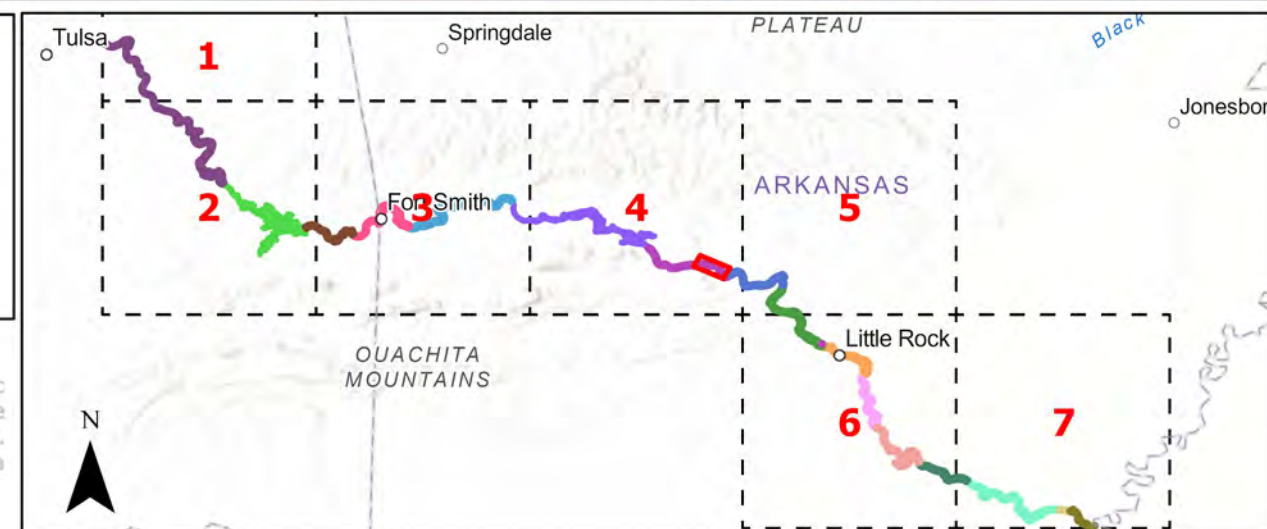
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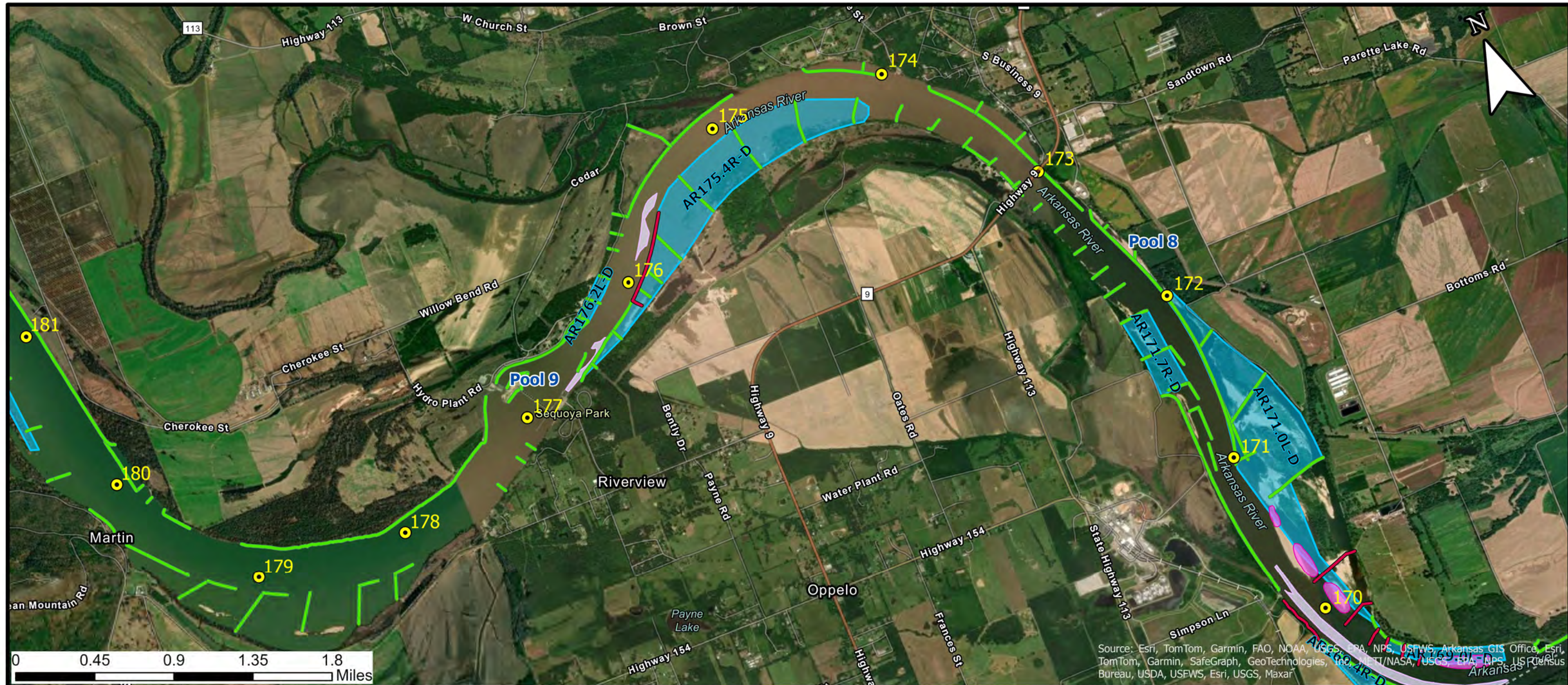
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|-----------------------------------|----------------------------------|
| — Proposed Training Structures | — Proposed Upland Disposal Sites |
| — Existing Structures | — Known Gravel Beds |
| — Proposed Sandbar Islands | — Proposed Dredging Locations |
| — Proposed Aquatic Disposal Sites | — Upland Mitigation Sites |

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Map 29 of 47

PCS: NAD 1983 UTM Zone 15N ft
Scale: 1:34,000

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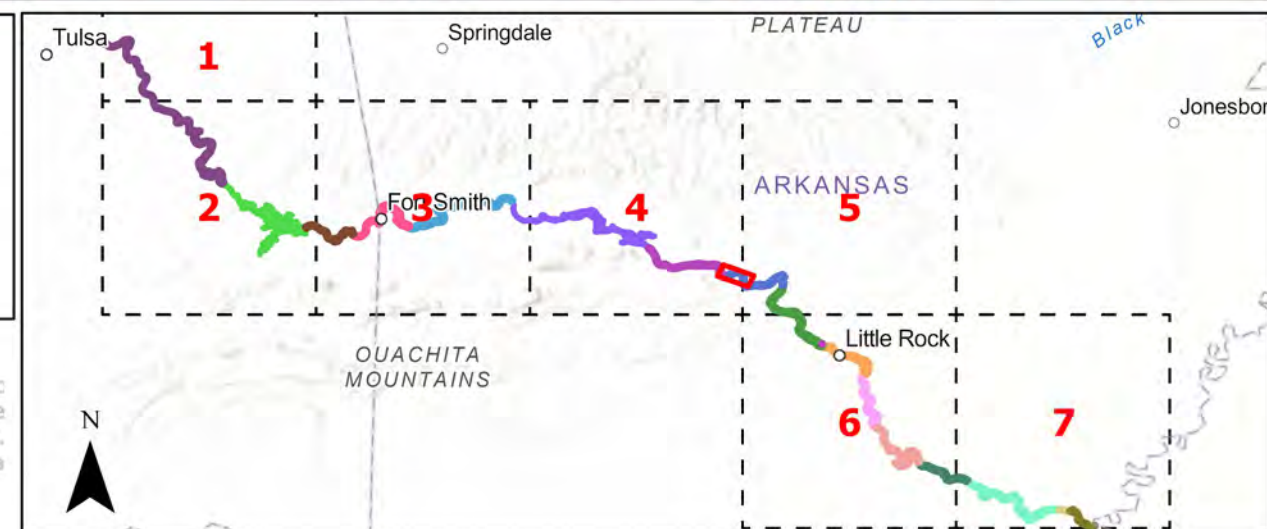
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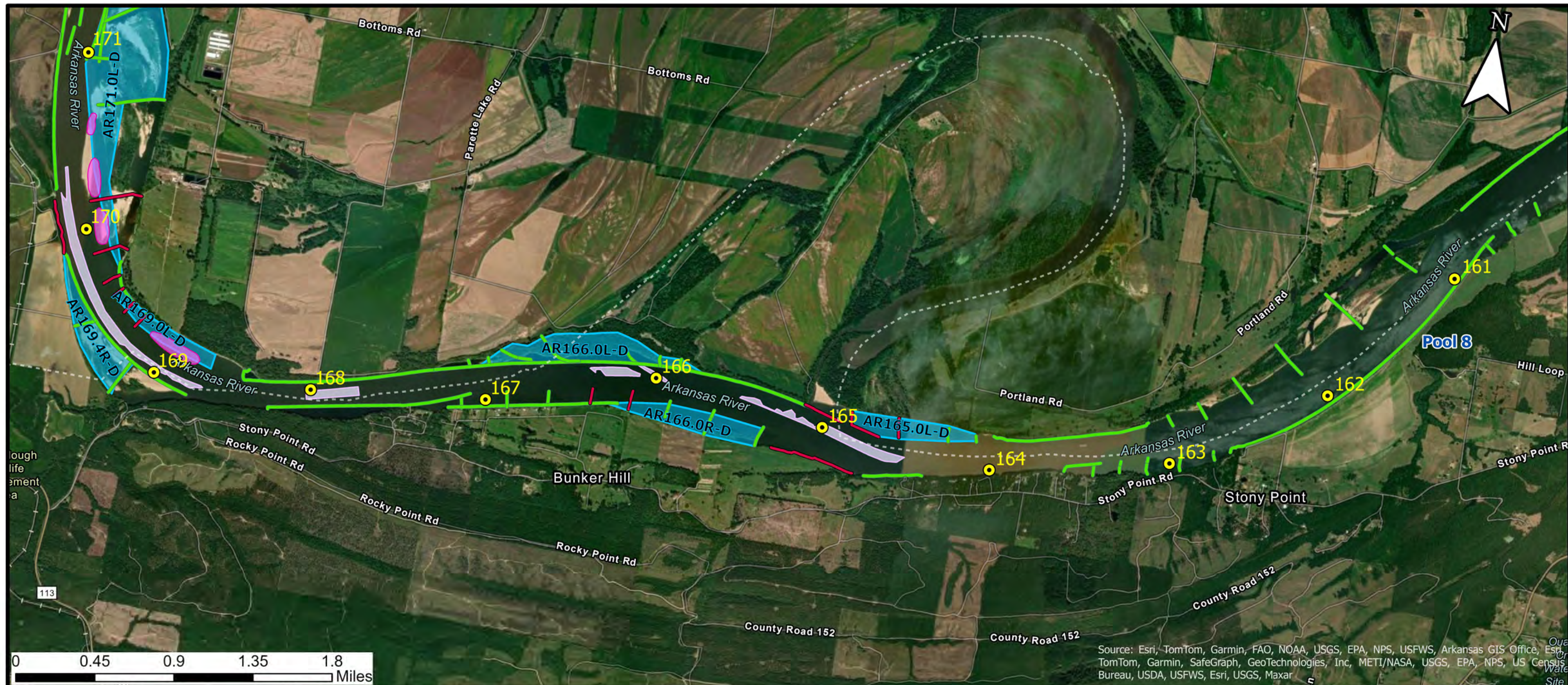
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|-----------------------------------|----------------------------------|
| — Proposed Training Structures | — Proposed Upland Disposal Sites |
| — Existing Structures | — Known Gravel Beds |
| — Proposed Sandbar Islands | — Proposed Dredging Locations |
| — Proposed Aquatic Disposal Sites | — Upland Mitigation Sites |

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PCS: NAD 1983 UTM Zone 15N ft
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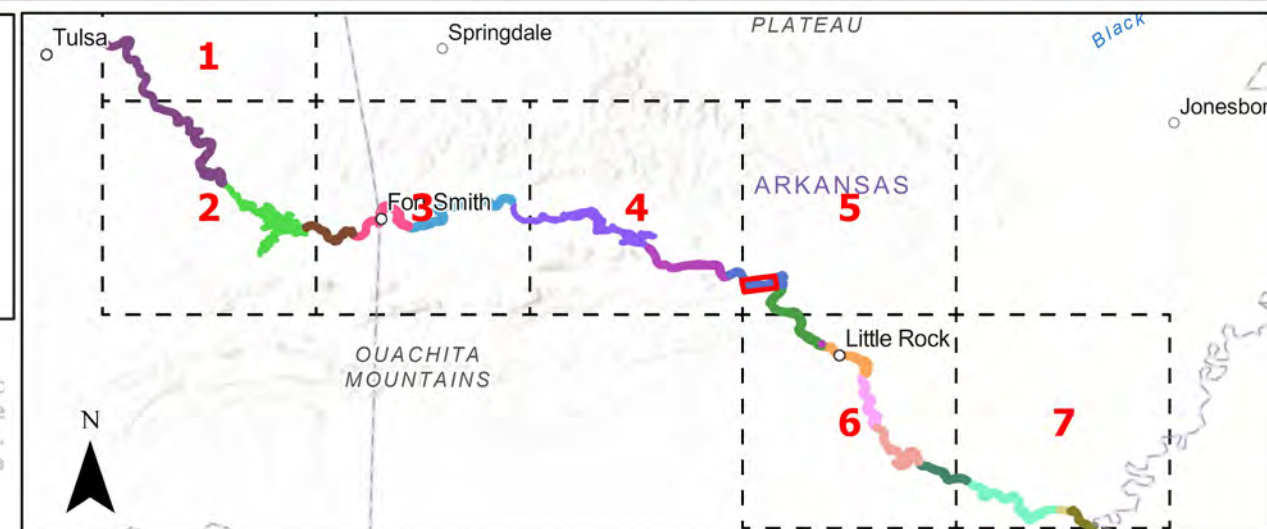
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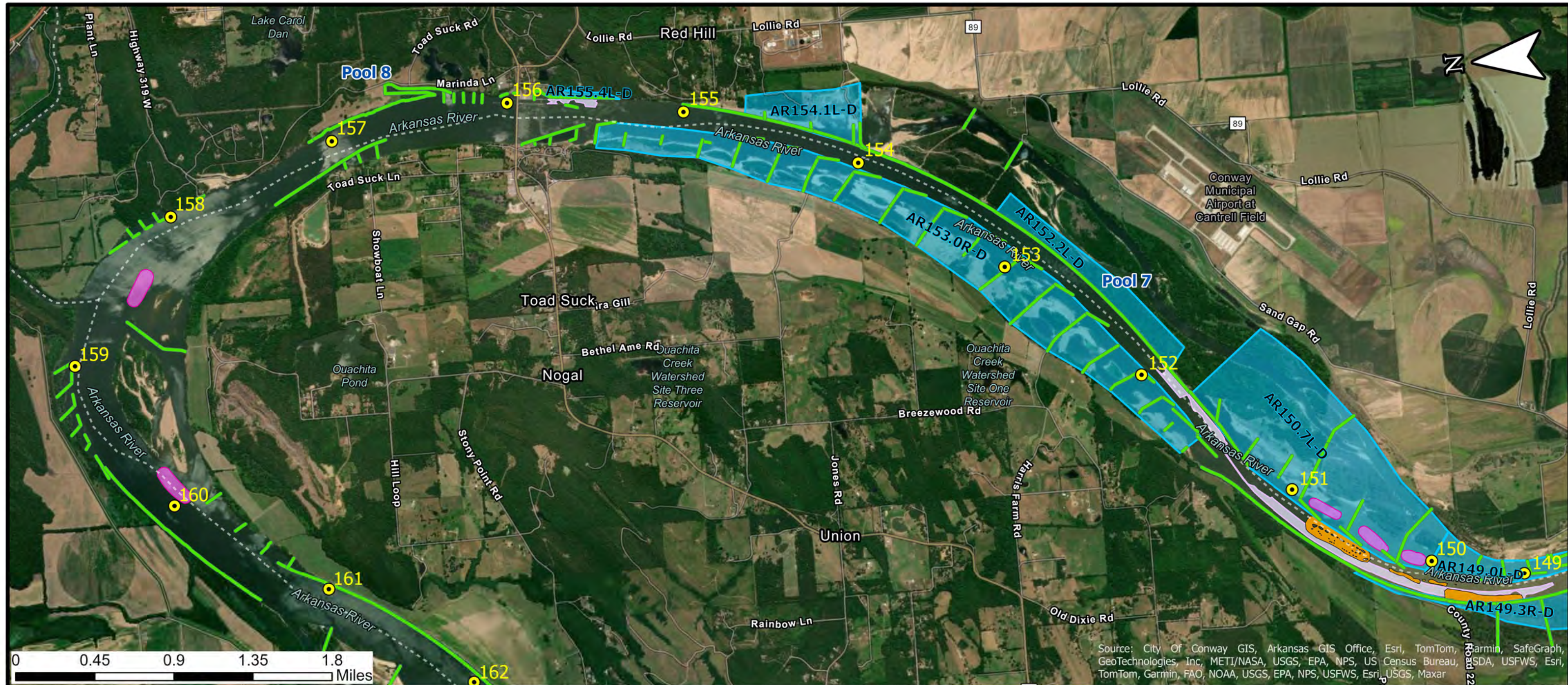
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|-----------------------------------|----------------------------------|
| — Proposed Training Structures | — Proposed Upland Disposal Sites |
| — Existing Structures | — Known Gravel Beds |
| — Proposed Sandbar Islands | — Proposed Dredging Locations |
| — Proposed Aquatic Disposal Sites | — Upland Mitigation Sites |

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PCS: NAD 1983 UTM Zone 15N ft
Scale: 1:34,000

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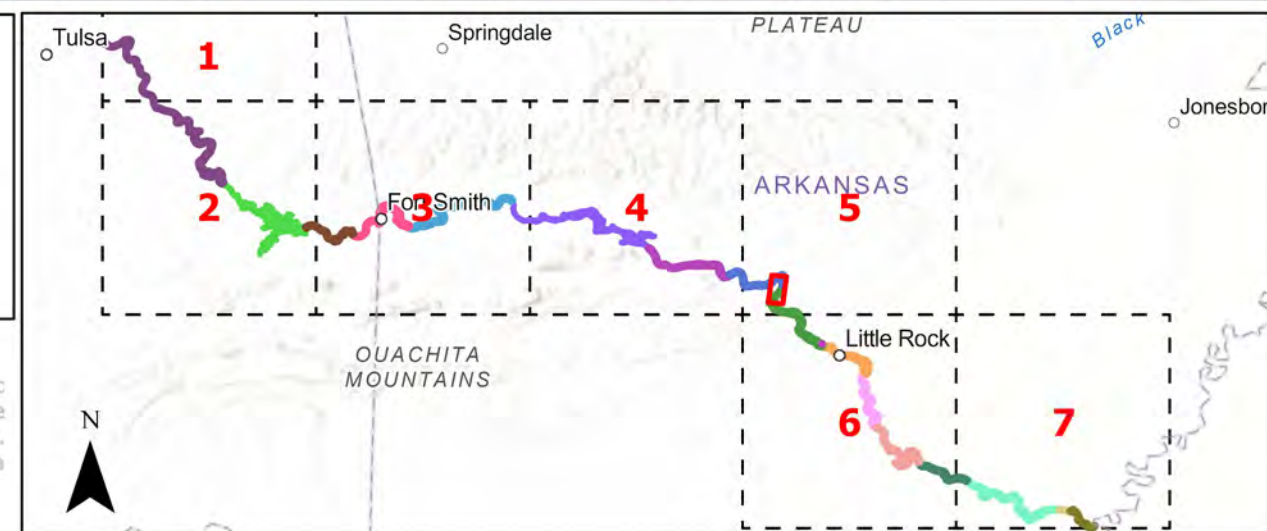
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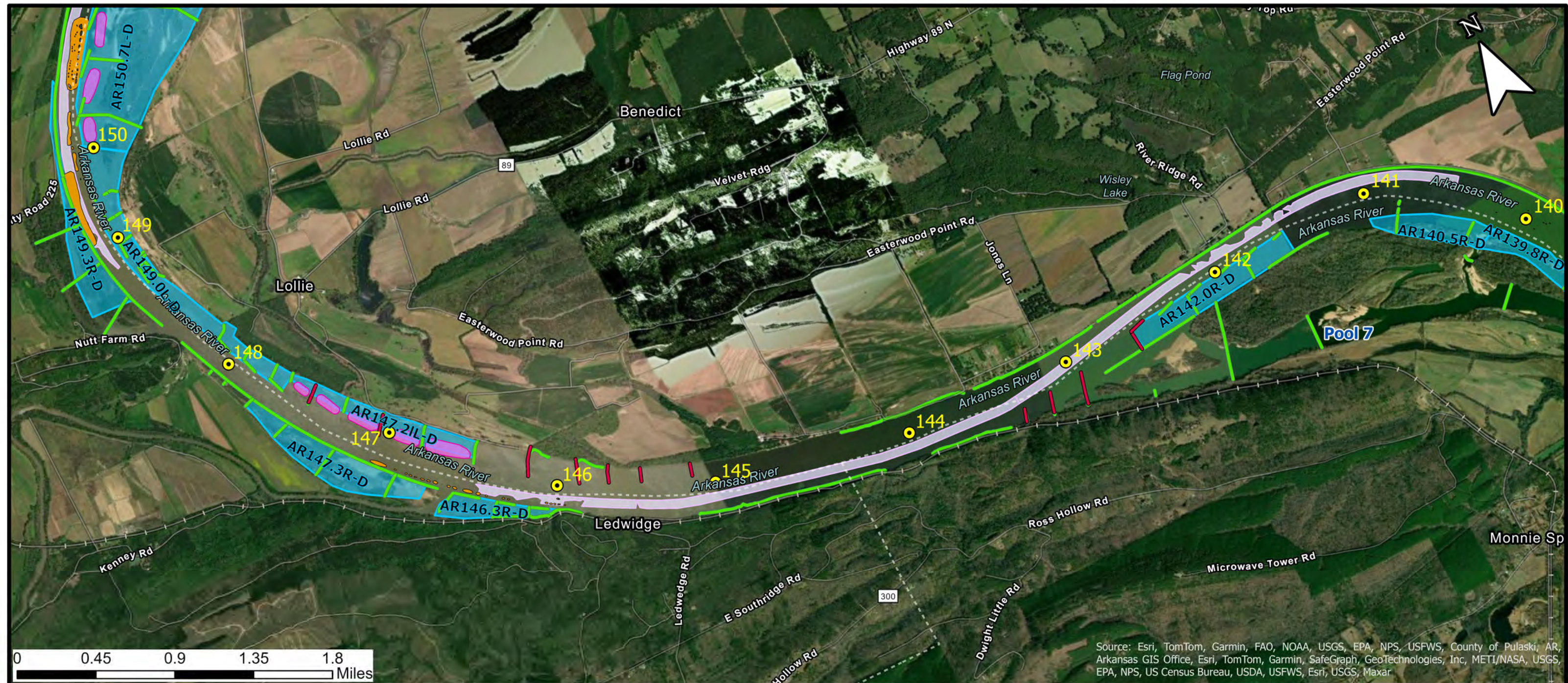
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- Proposed Training Structures
- Existing Structures
- Proposed Sandbar Islands
- Proposed Aquatic Disposal Sites
- Proposed Upland Disposal Sites
- Known Gravel Beds
- Proposed Dredging Locations
- Upland Mitigation Sites

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MKARNS 12ft Channel Deepening Project



Source: Esri, TomTom, Garmin, FAO, NOAA, USGS, EPA, NPS, USFWS, County of Pulaski, AR, Arkansas GIS Office, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, Esri, USGS, Maxar



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PCS: NAD 1983 UTM Zone 15N ft
Scale: 1:34,000

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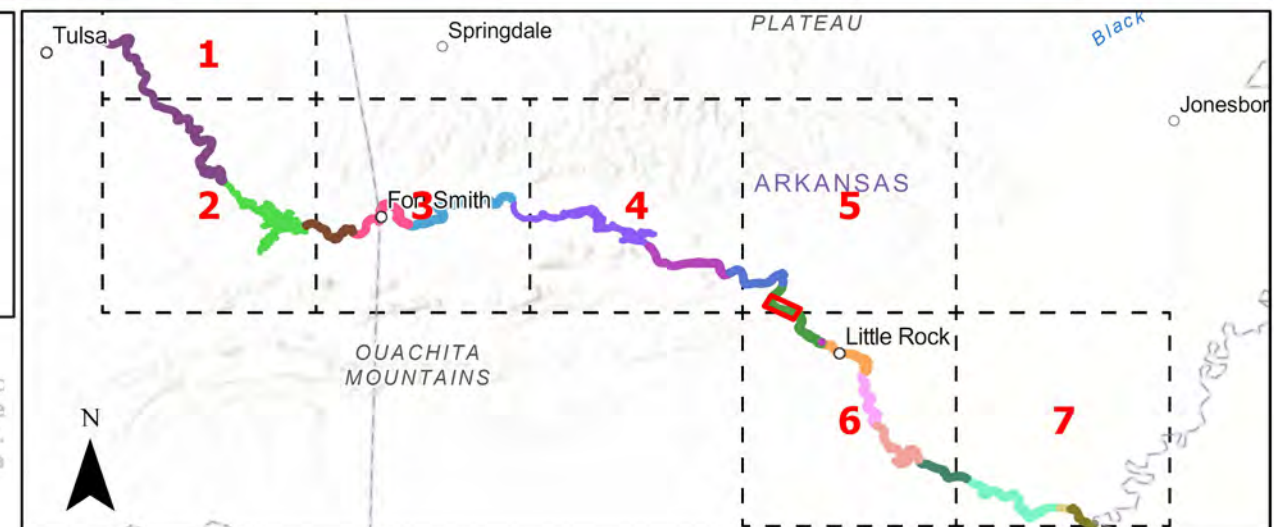
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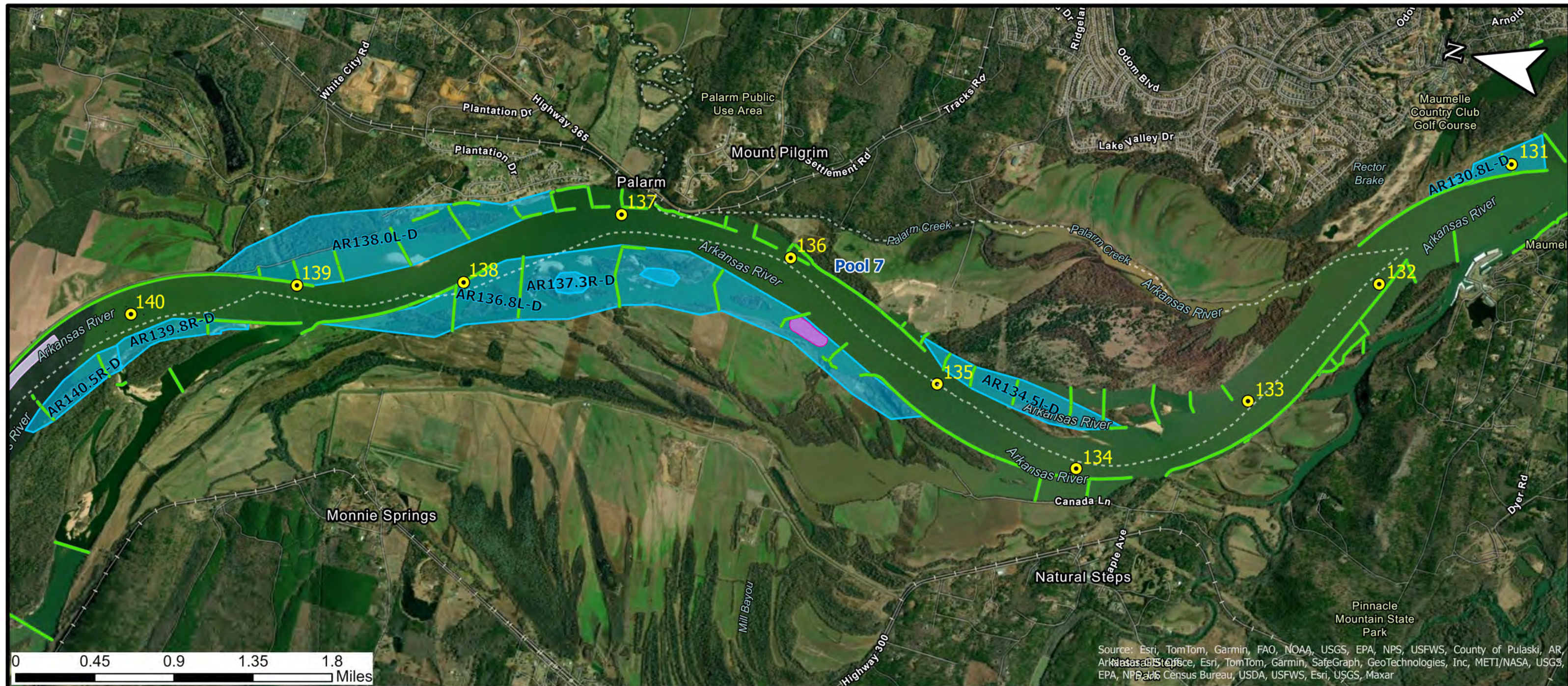
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- | | |
|---------------------------------|--------------------------------|
| Proposed Training Structures | Proposed Upland Disposal Sites |
| Existing Structures | Known Gravel Beds |
| Proposed Sandbar Islands | Proposed Dredging Locations |
| Proposed Aquatic Disposal Sites | Upland Mitigation Sites |

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Map 33 of 47

PCS: NAD 1983 UTM Zone 15N ft
Scale: 1:34,000

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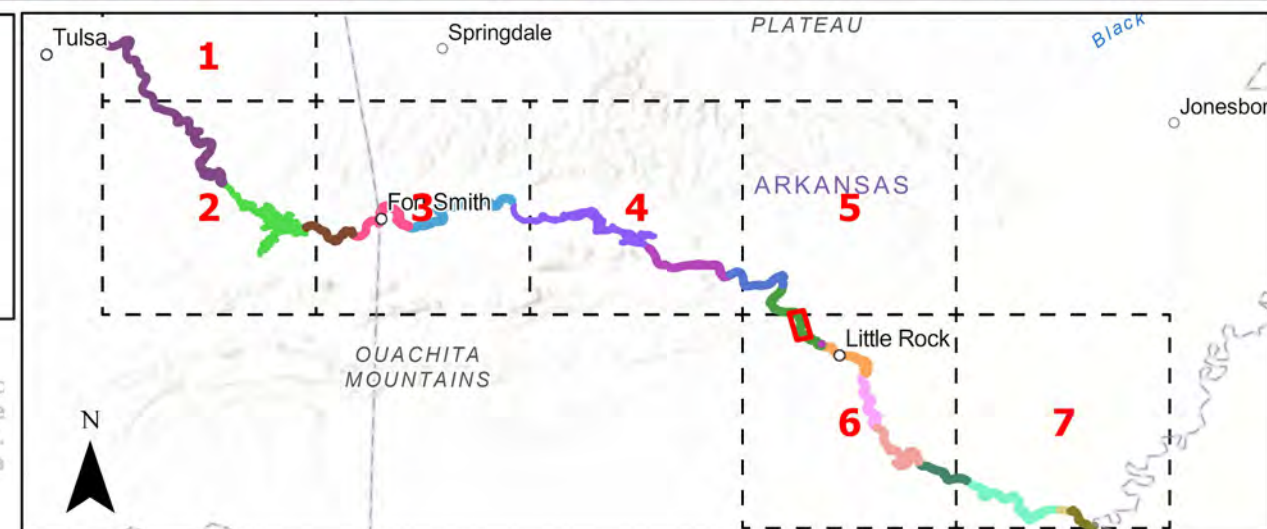
Creator: E Larrat Updated: 07/29/2024

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|---------------------------------|--------------------------------|
| Proposed Training Structures | Proposed Upland Disposal Sites |
| Existing Structures | Known Gravel Beds |
| Proposed Sandbar Islands | Proposed Dredging Locations |
| Proposed Aquatic Disposal Sites | Upland Mitigation Sites |

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Map 34 of 47

PCS: NAD 1983 UTM Zone 15N ft
Scale: 1:34,000

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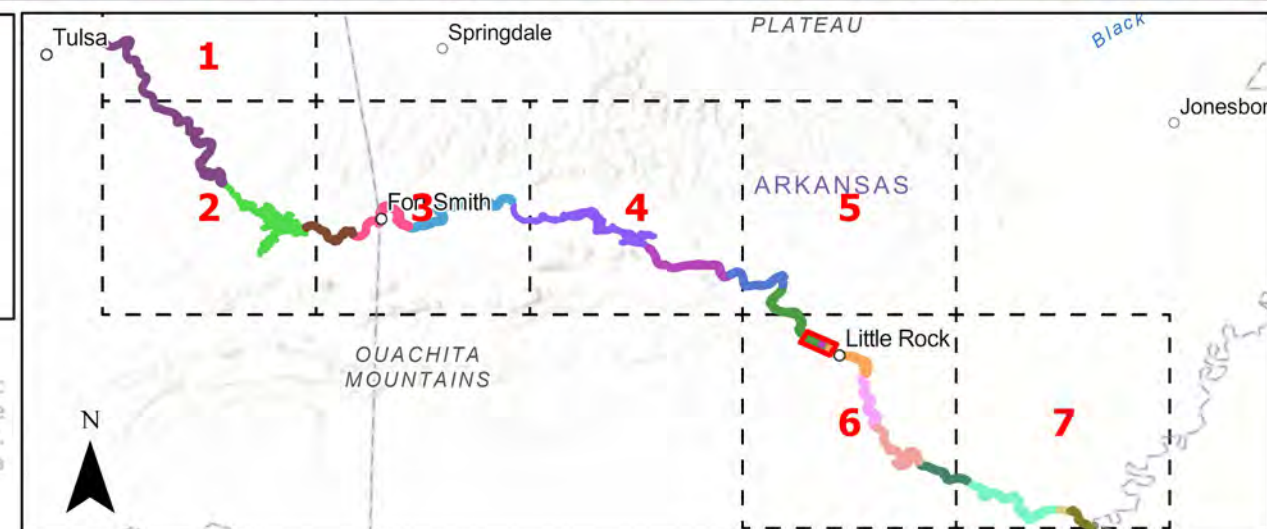
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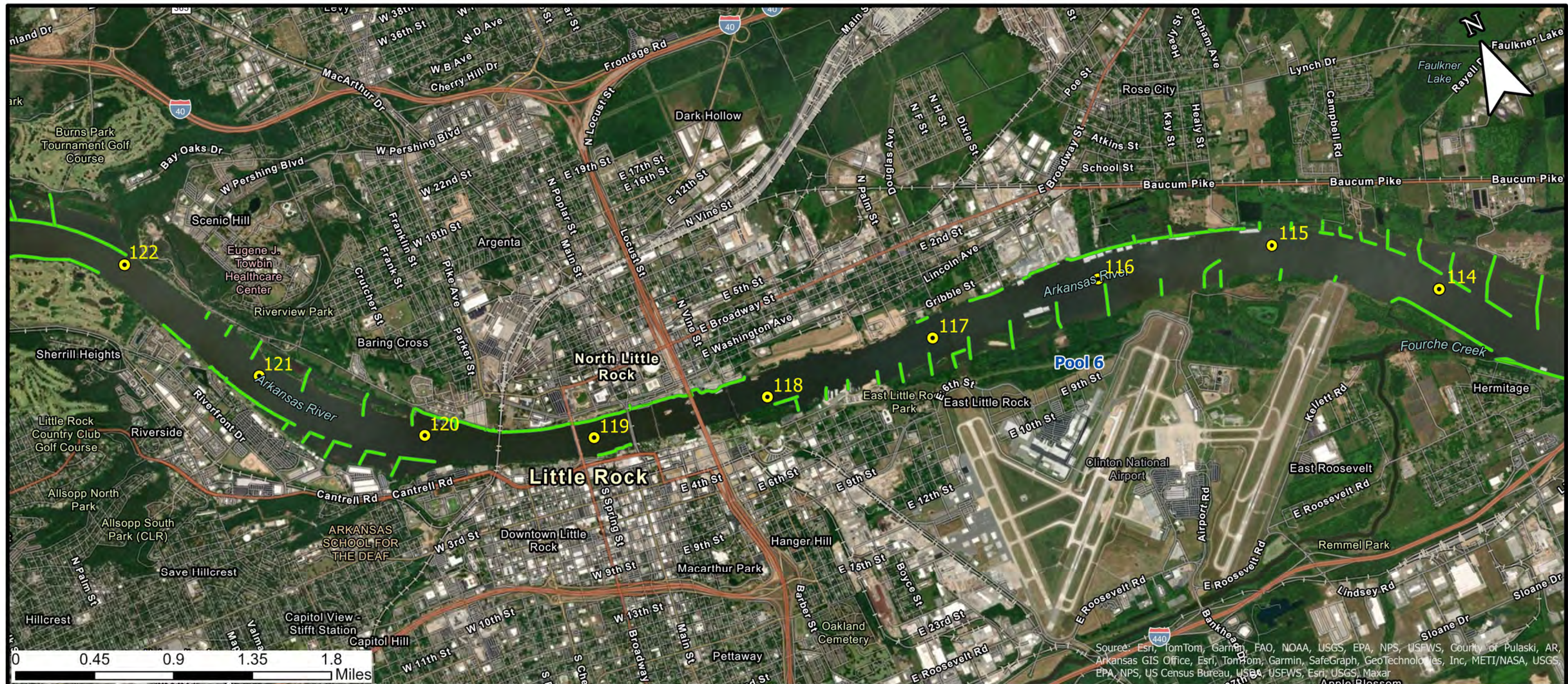
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|---|---|
| — Proposed Training Structures | Proposed Upland Disposal Sites |
| — Existing Structures | Known Gravel Beds |
| Proposed Sandbar Islands | Proposed Dredging Locations |
| Proposed Aquatic Disposal Sites | Upland Mitigation Sites |

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Map 35 of 47

PCS: NAD 1983 UTM Zone 15N ft

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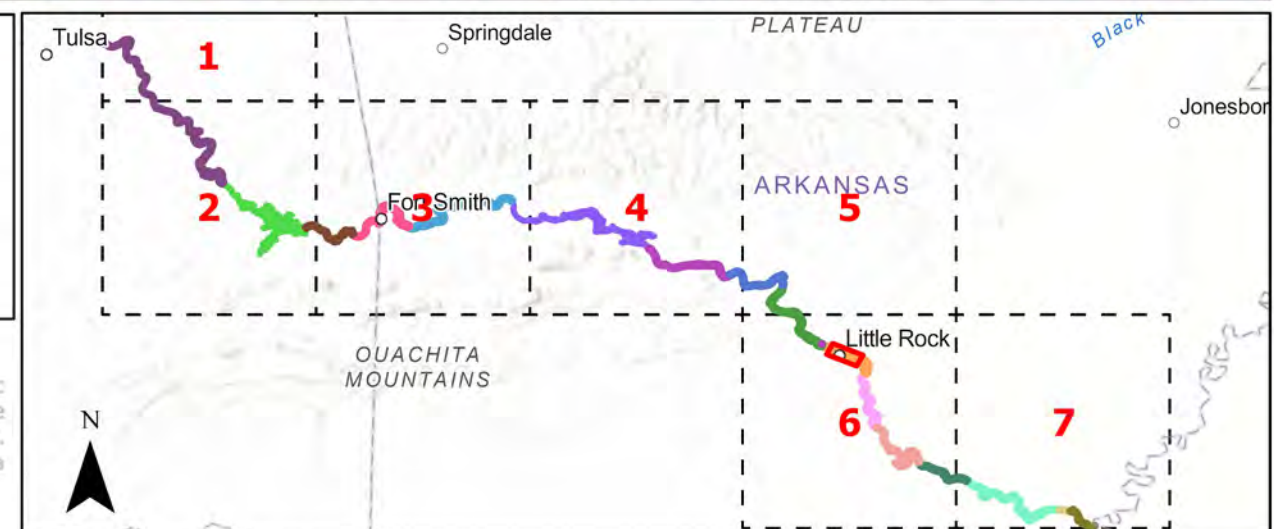
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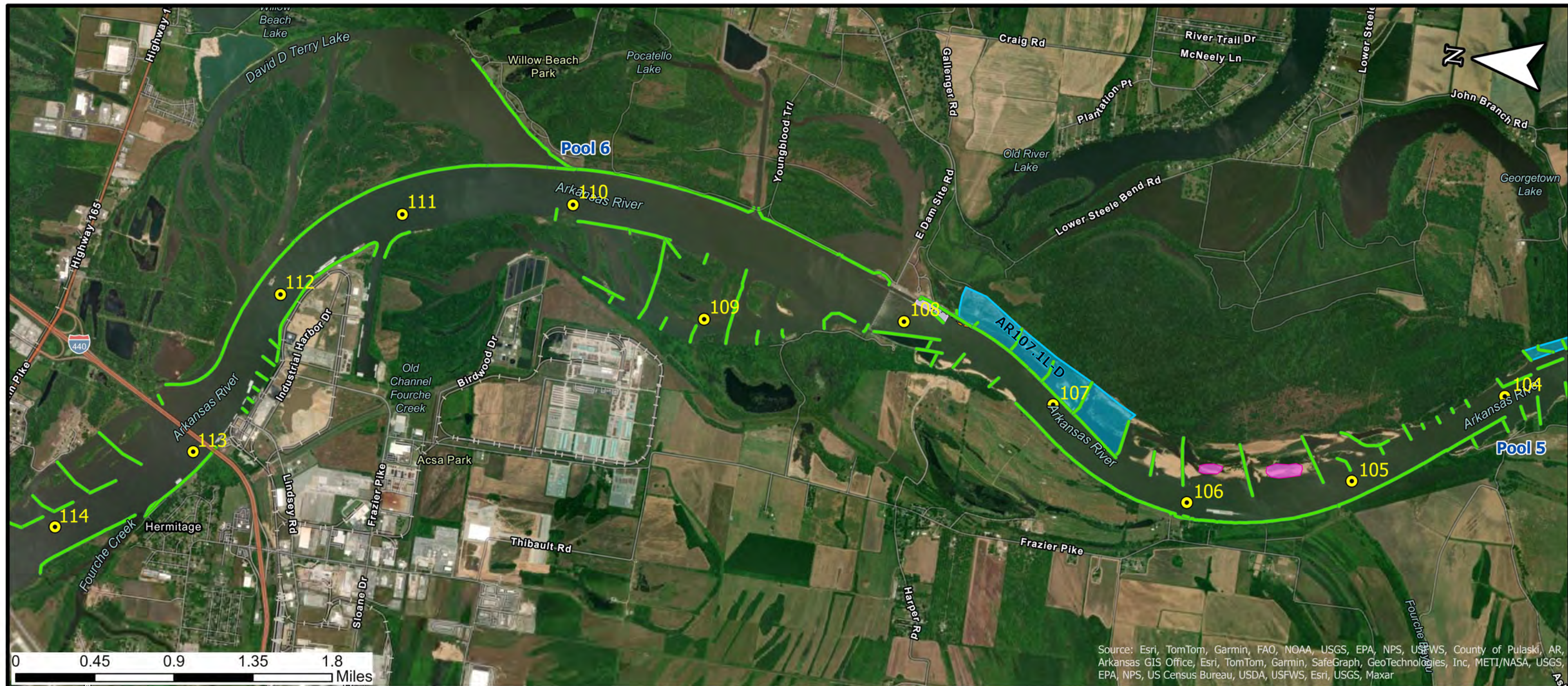
Legend

- Proposed Training Structures
- Existing Structures
- Proposed Sandbar Islands
- Proposed Aquatic Disposal Sites
- Proposed Upland Disposal Sites
- Known Gravel Beds
- Proposed Dredging Locations
- Upland Mitigation Sites

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PCS: NAD 1983 UTM Zone 15N ft
Scale: 1:34,000

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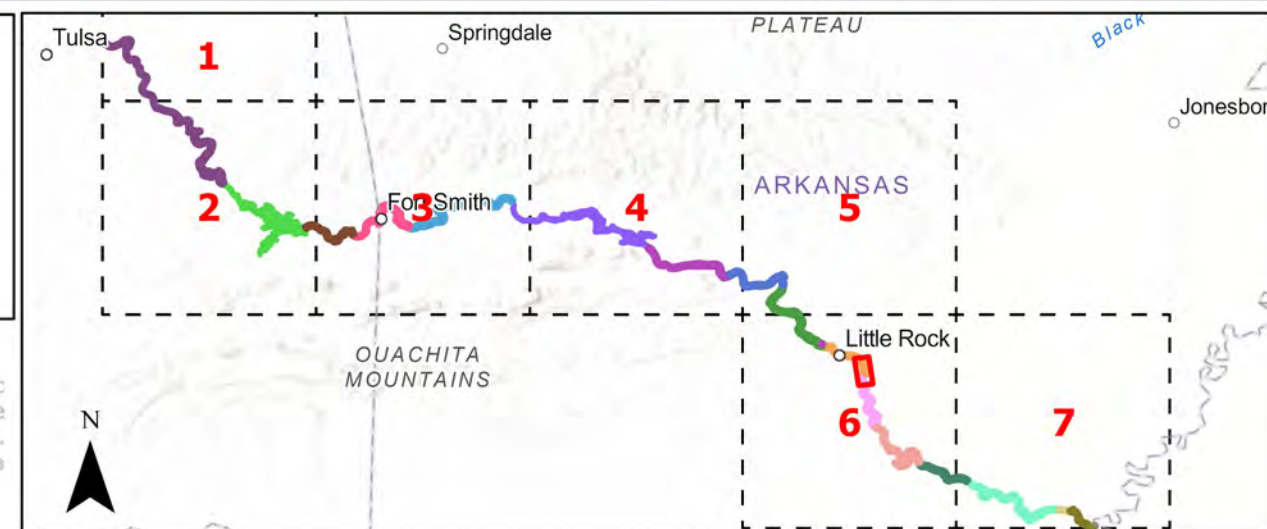
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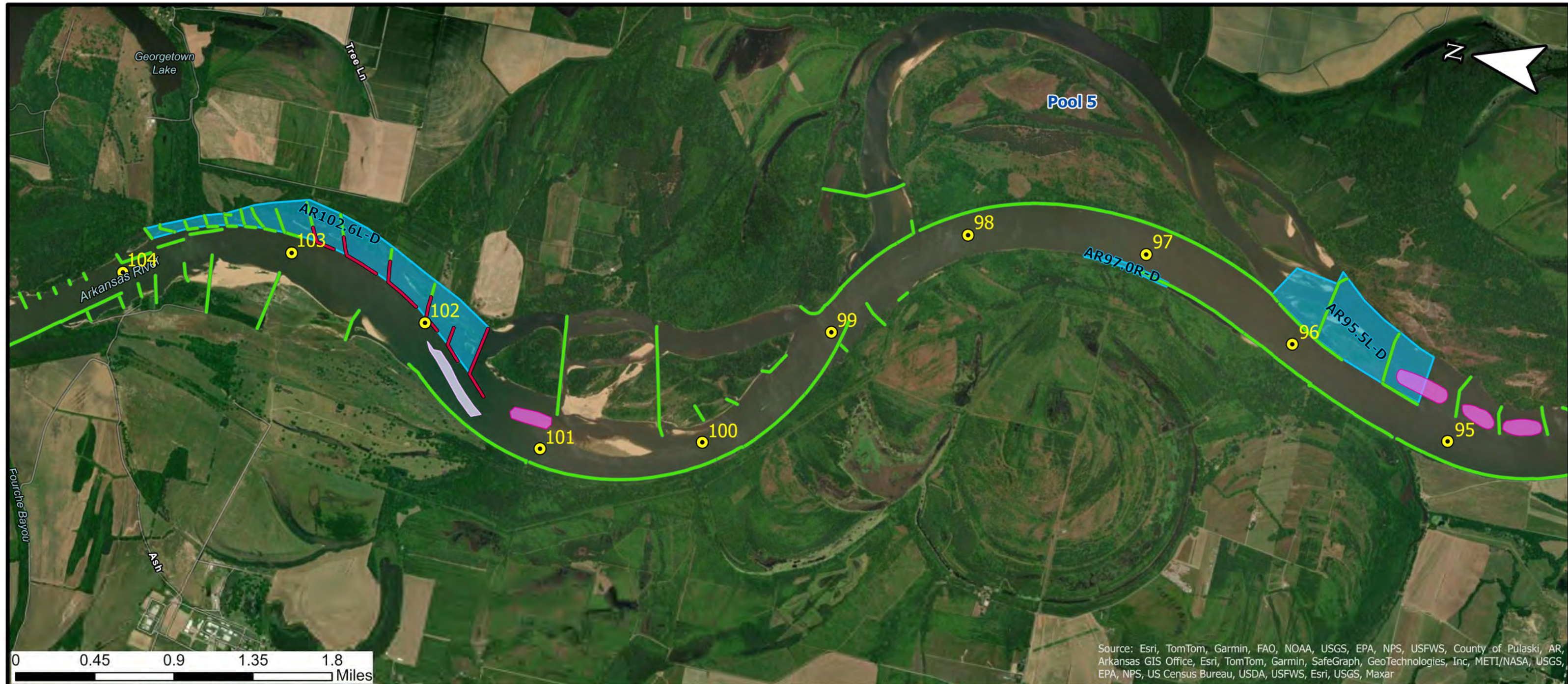
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|-----------------------------------|----------------------------------|
| — Proposed Training Structures | — Proposed Upland Disposal Sites |
| — Existing Structures | — Known Gravel Beds |
| — Proposed Sandbar Islands | — Proposed Dredging Locations |
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PCS: NAD 1983 UTM Zone 15N ft
Scale: 1:34,000

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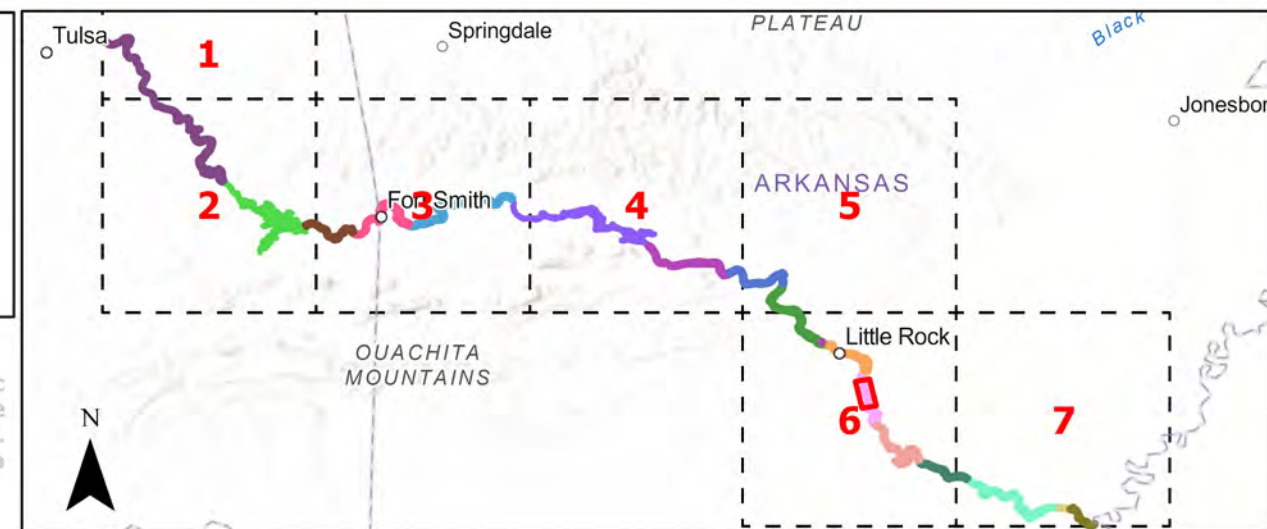
Creator: E Larrat Updated: 07/29/2024

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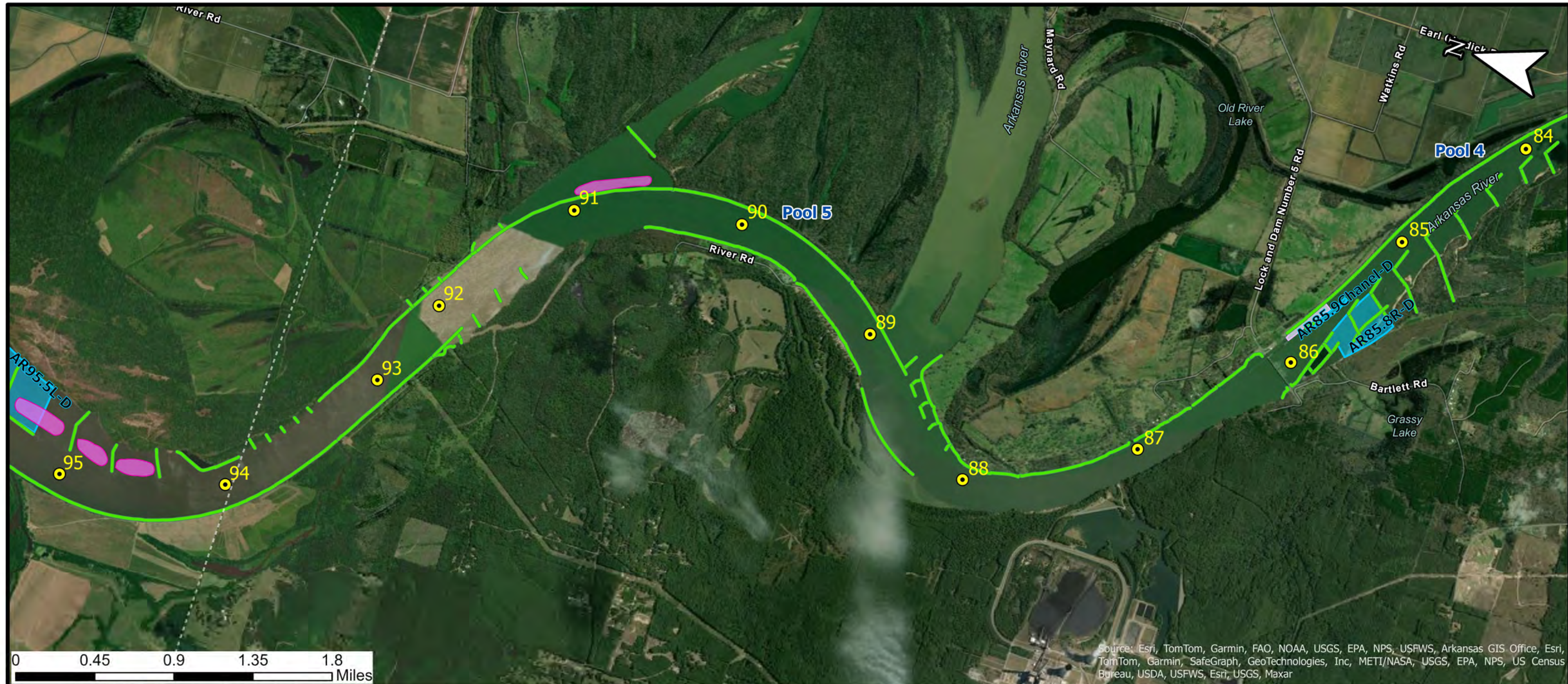
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|-----------------------------------|----------------------------------|
| — Proposed Training Structures | — Proposed Upland Disposal Sites |
| — Existing Structures | — Known Gravel Beds |
| — Proposed Sandbar Islands | — Proposed Dredging Locations |
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Source: Esri, TomTom, Garmin, FAO, NOAA, USGS, EPA, NPS, USFWS, Arkansas GIS Office, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, Esri, USGS, Maxar



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PCS: NAD 1983 UTM Zone 15N ft
Scale: 1:34,000

MAP CREATED AT 11X17 PAGE SIZE

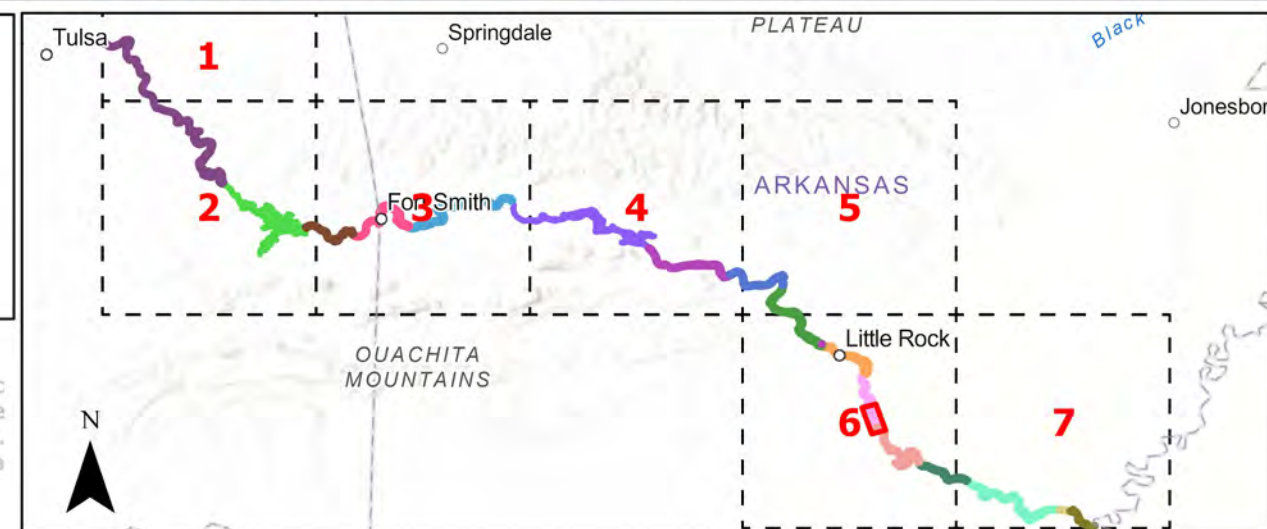
Creator: E Larrat Updated: 07/29/2024

THIS MAP SUPERSEDES ALL PREVIOUS VERSIONS

Legend

- | | |
|-----------------------------------|----------------------------------|
| — Proposed Training Structures | — Proposed Upland Disposal Sites |
| — Existing Structures | — Known Gravel Beds |
| — Proposed Sandbar Islands | — Proposed Dredging Locations |
| — Proposed Aquatic Disposal Sites | — Upland Mitigation Sites |

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PCS: NAD 1983 UTM Zone 15N ft
Scale: 1:34,000

MAP CREATED AT 11X17 PAGE SIZE

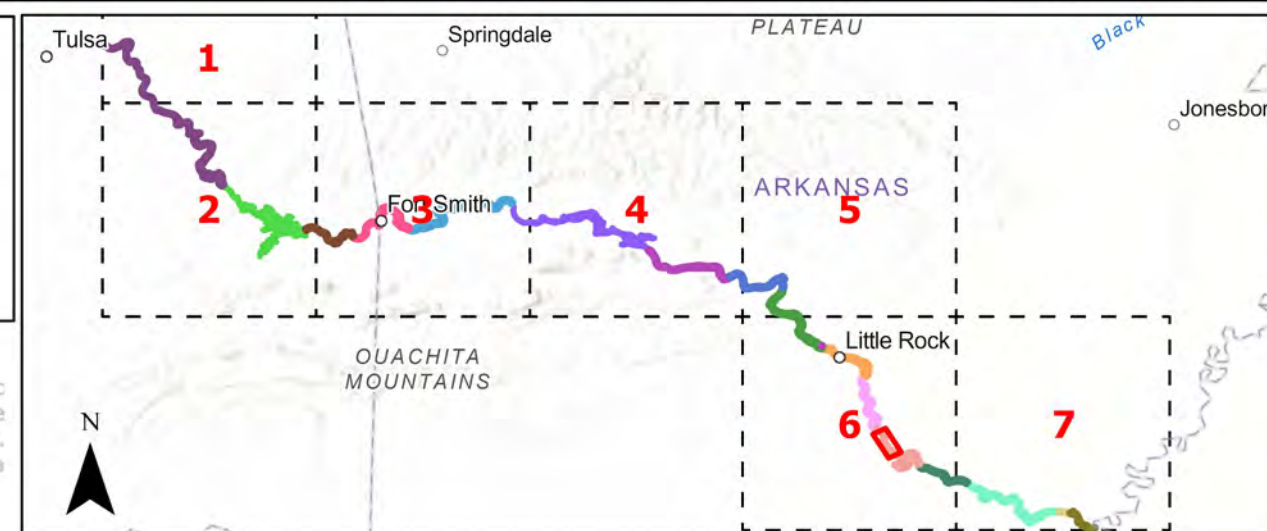
Creator: E Larrat Updated: 07/29/2024

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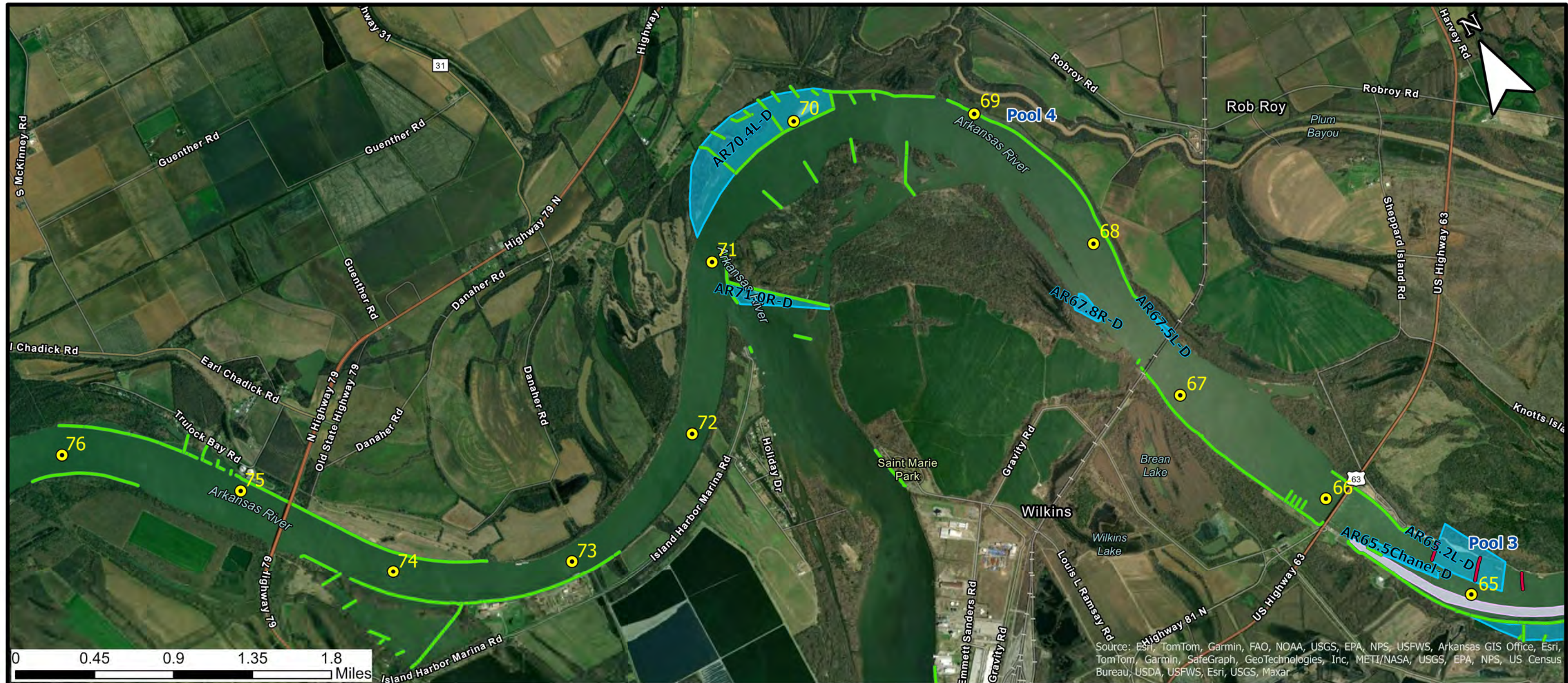
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- | | |
|---------------------------------|--------------------------------|
| Proposed Training Structures | Proposed Upland Disposal Sites |
| Existing Structures | Known Gravel Beds |
| Proposed Sandbar Islands | Proposed Dredging Locations |
| Proposed Aquatic Disposal Sites | Upland Mitigation Sites |

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PCS: NAD 1983 UTM Zone 15N ft
Scale: 1:34,000

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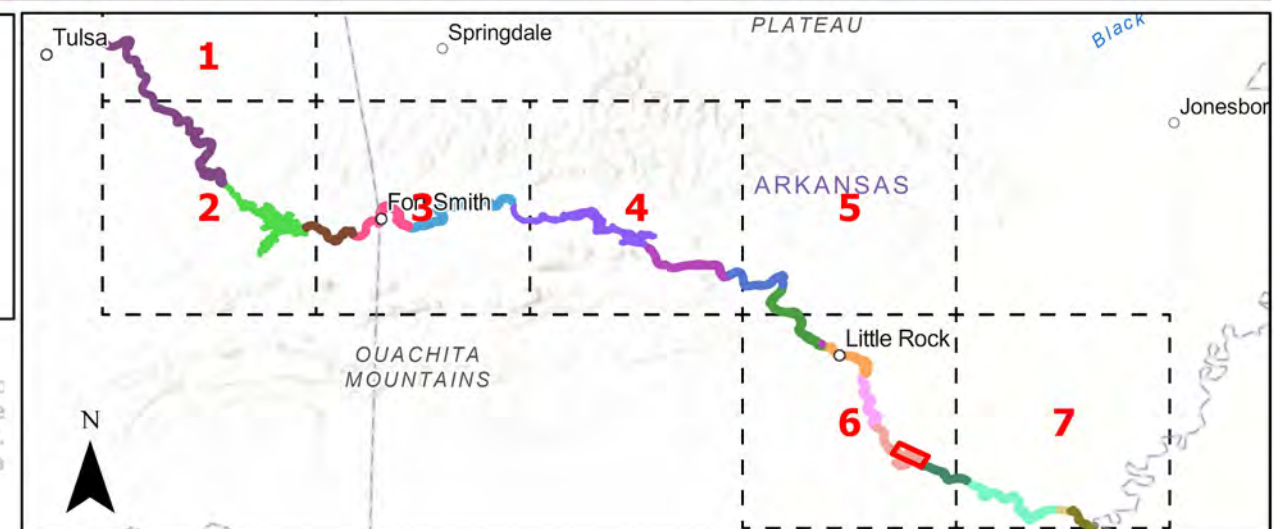
Creator: E Larrat Updated: 07/29/2024

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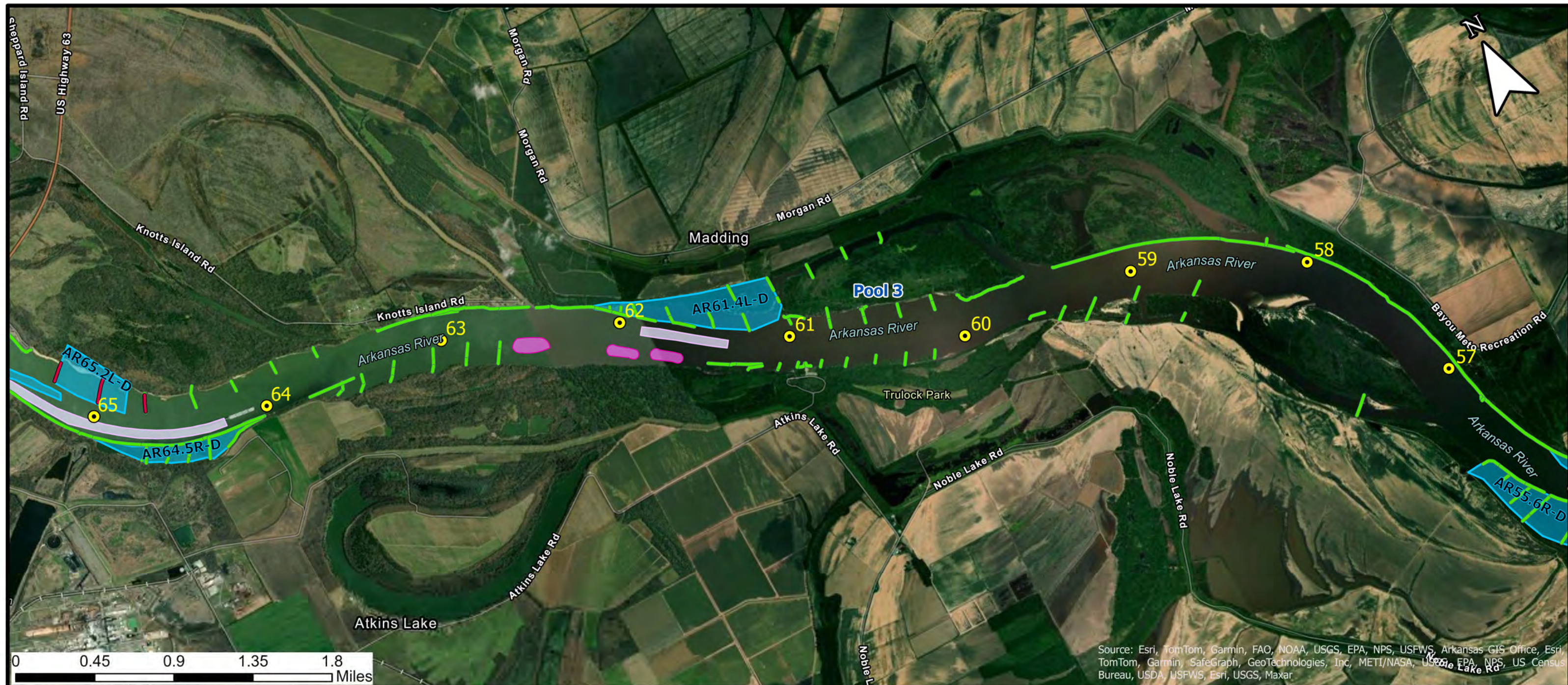
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|---------------------------------|--------------------------------|
| Proposed Training Structures | Proposed Upland Disposal Sites |
| Existing Structures | Known Gravel Beds |
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| Proposed Aquatic Disposal Sites | Upland Mitigation Sites |

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PCS: NAD 1983 UTM Zone 15N ft
Scale: 1:34,000

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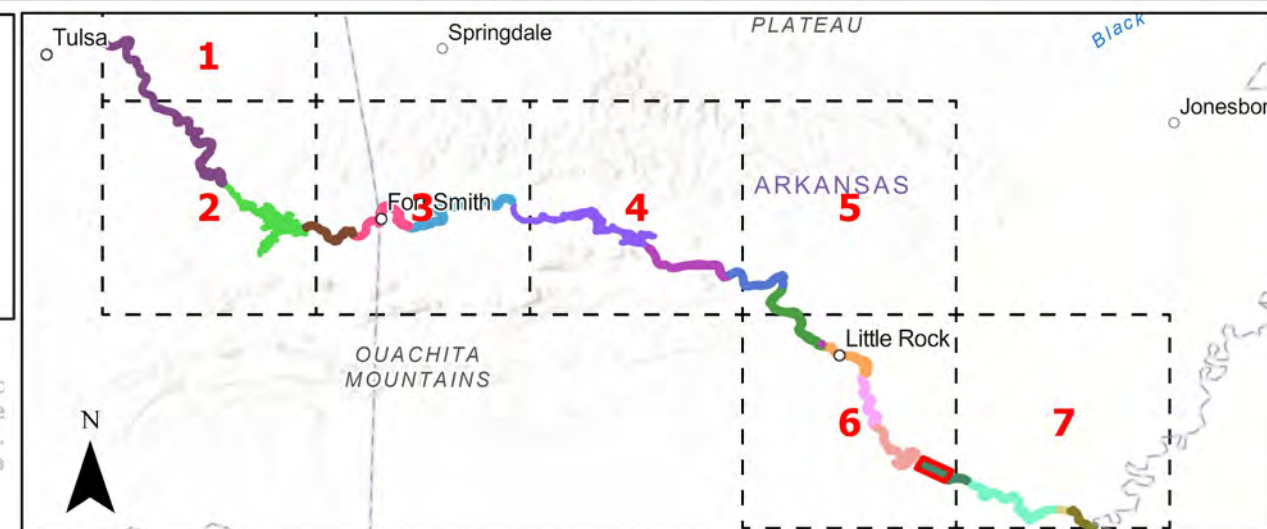
Creator: E Larrat Updated: 07/29/2024

THIS MAP SUPERSEDES ALL PREVIOUS VERSIONS

Legend

- | | |
|---------------------------------|--------------------------------|
| Proposed Training Structures | Proposed Upland Disposal Sites |
| Existing Structures | Known Gravel Beds |
| Proposed Sandbar Islands | Proposed Dredging Locations |
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Map 42 of 47

PCS: NAD 1983 UTM Zone 15N ft
Scale: 1:34,000

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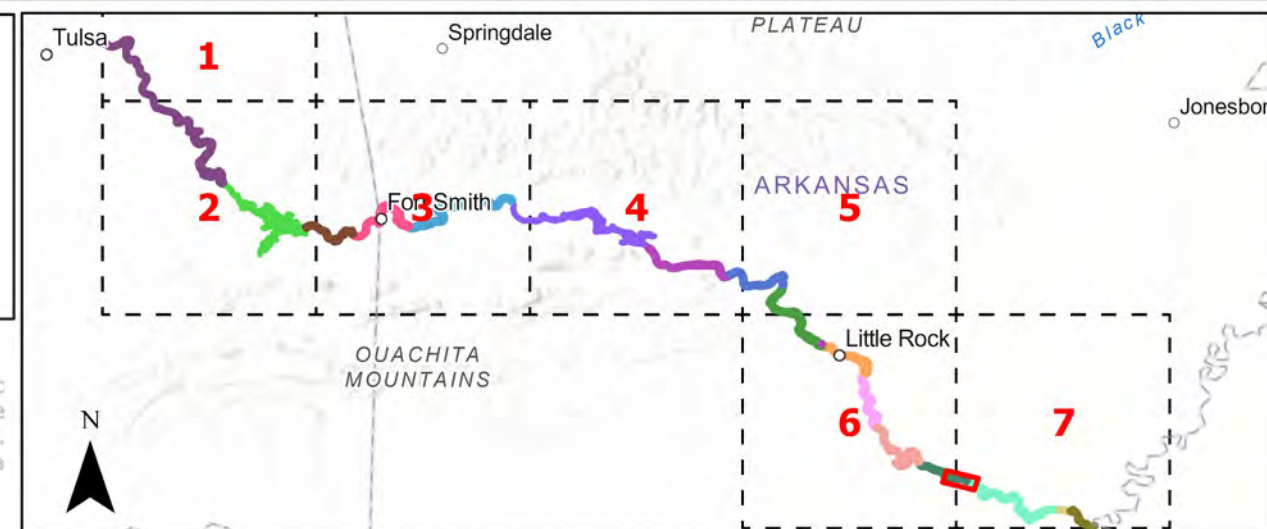
Creator: E Larrat Updated: 07/29/2024

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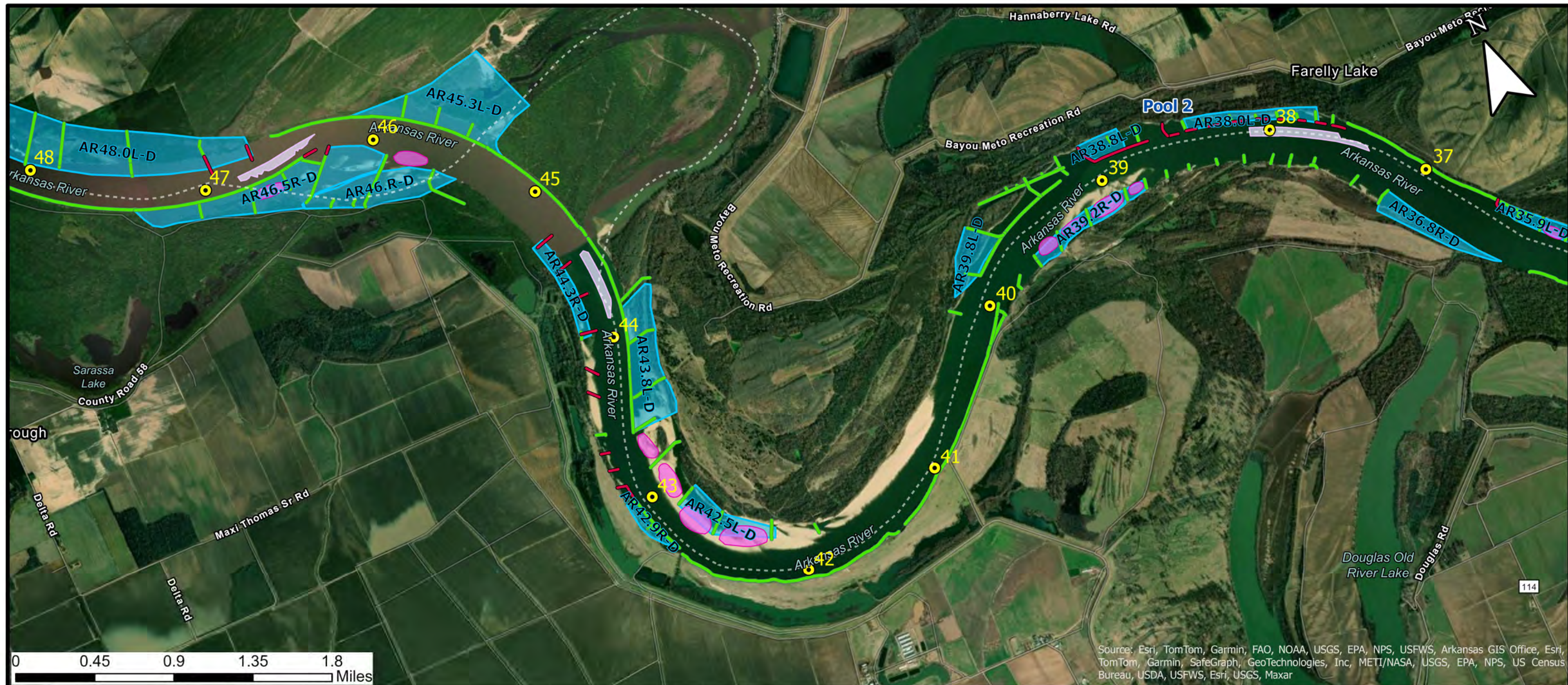
Legend

- | | |
|---------------------------------|--------------------------------|
| Proposed Training Structures | Proposed Upland Disposal Sites |
| Existing Structures | Known Gravel Beds |
| Proposed Sandbar Islands | Proposed Dredging Locations |
| Proposed Aquatic Disposal Sites | Upland Mitigation Sites |

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Map 43 of 47

PCS: NAD 1983 UTM Zone 15N ft
Scale: 1:34,000

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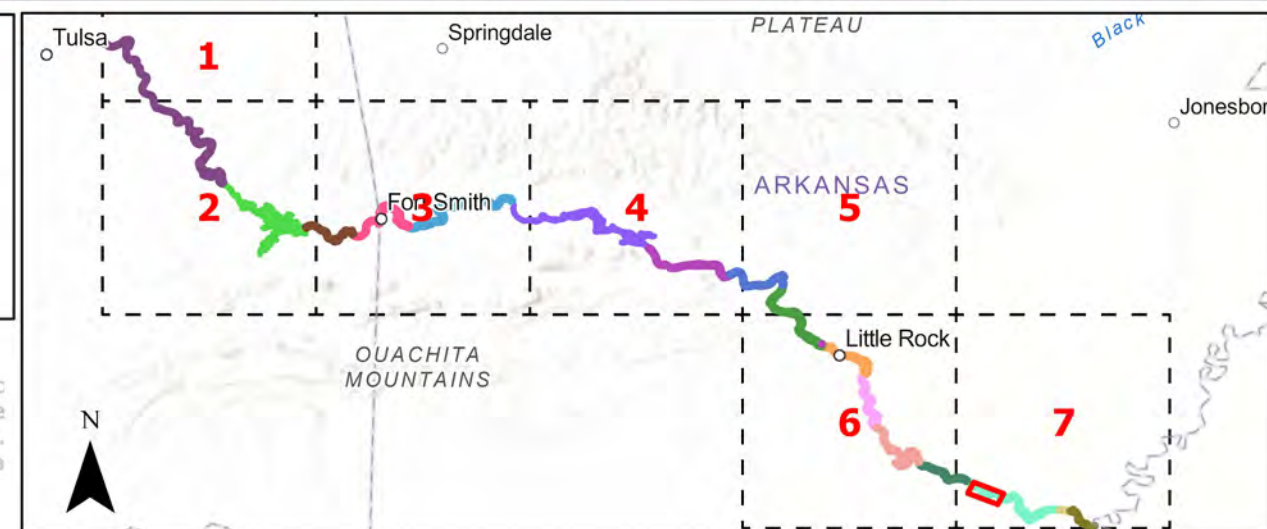
Creator: E Larrat Updated: 07/29/2024

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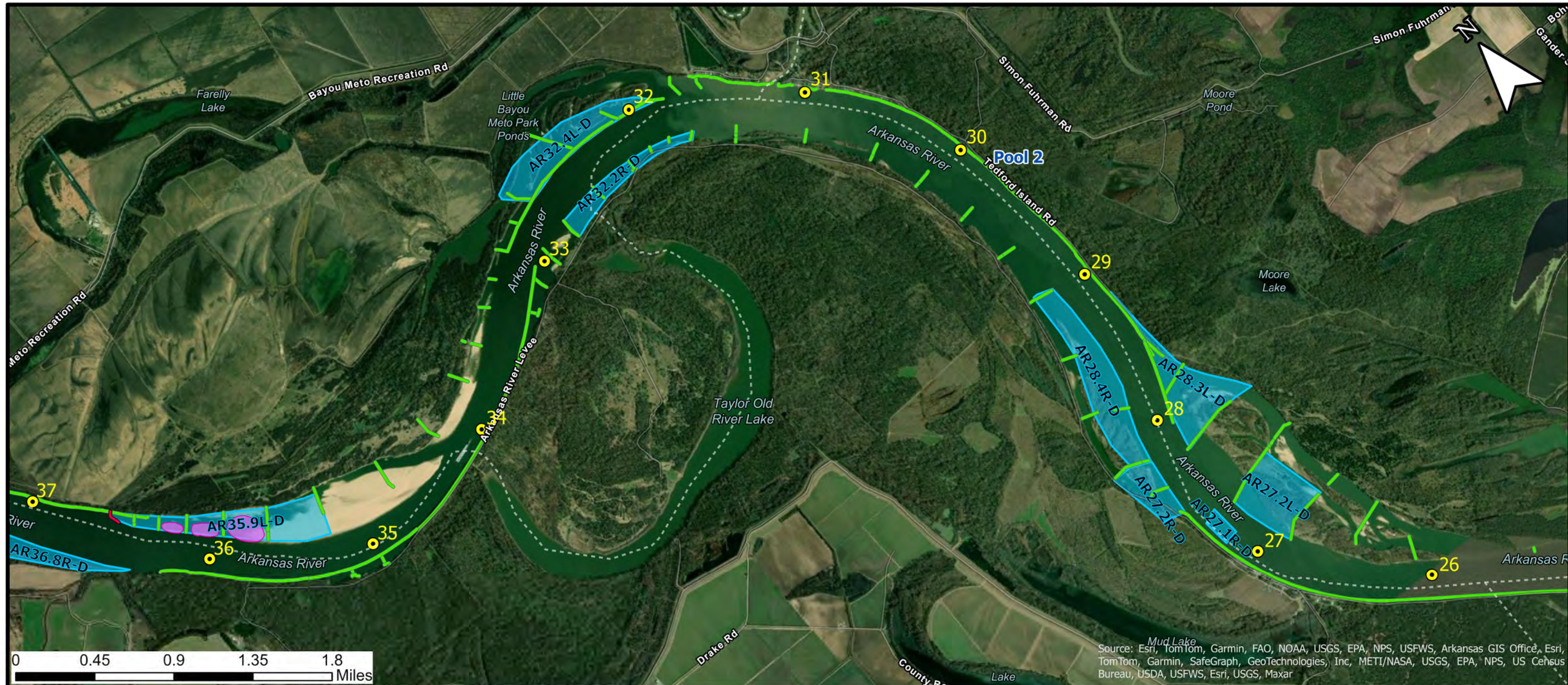
Legend

- Proposed Training Structures
- Existing Structures
- Proposed Sandbar Islands
- Proposed Aquatic Disposal Sites
- Proposed Upland Disposal Sites
- Known Gravel Beds
- Proposed Dredging Locations
- Upland Mitigation Sites

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Map 44 of 47

PCS: NAD 1983 UTM Zone 15N ft
Scale: 1:34,000

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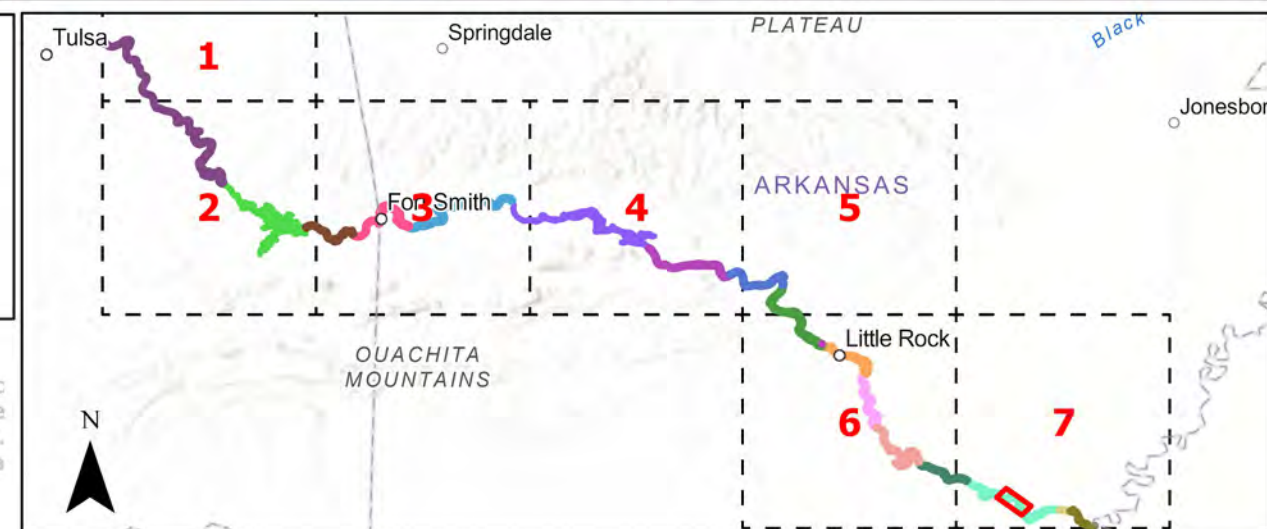
Creator: E Larrat Updated: 07/29/2024

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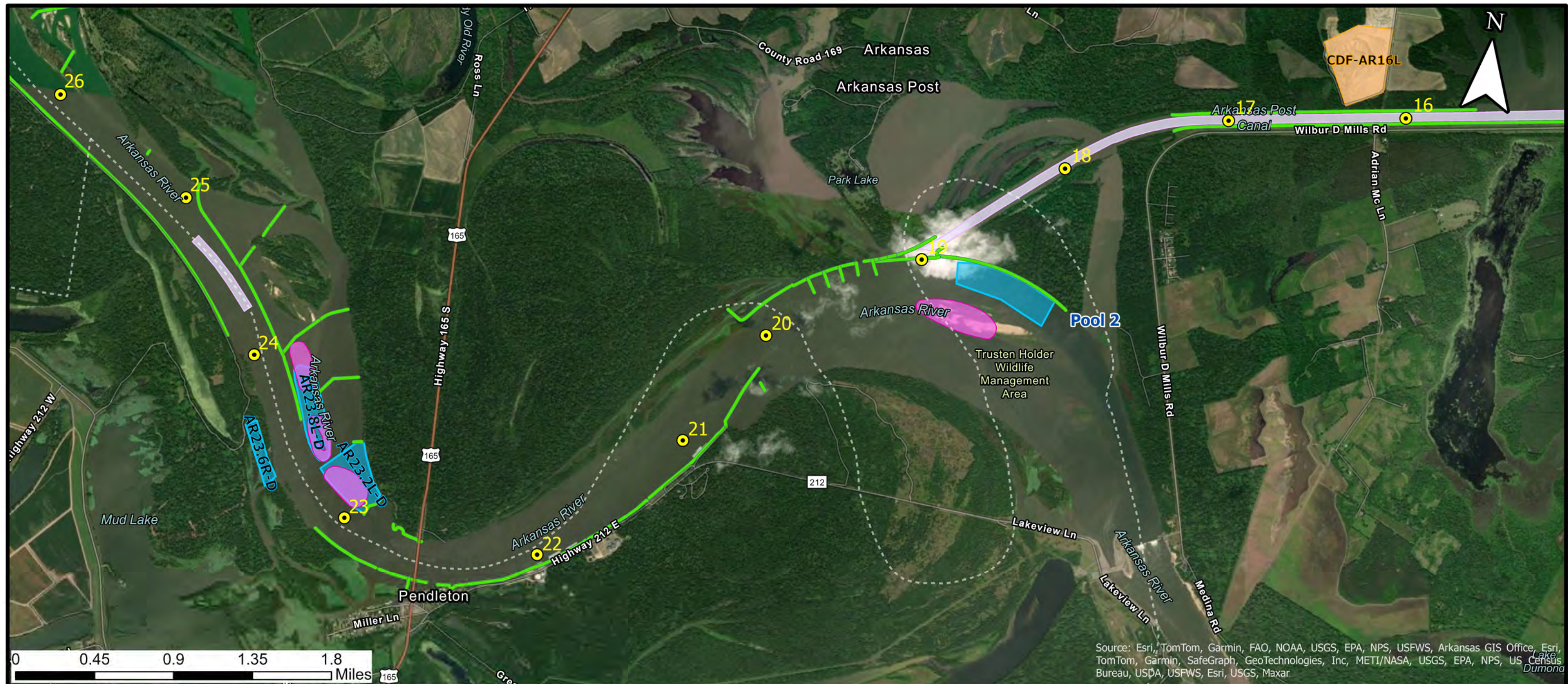
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|-----------------------------------|----------------------------------|
| — Proposed Training Structures | — Proposed Upland Disposal Sites |
| — Existing Structures | — Known Gravel Beds |
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Map 45 of 47

PCS: NAD 1983 UTM Zone 15N ft
Scale: 1:34,000

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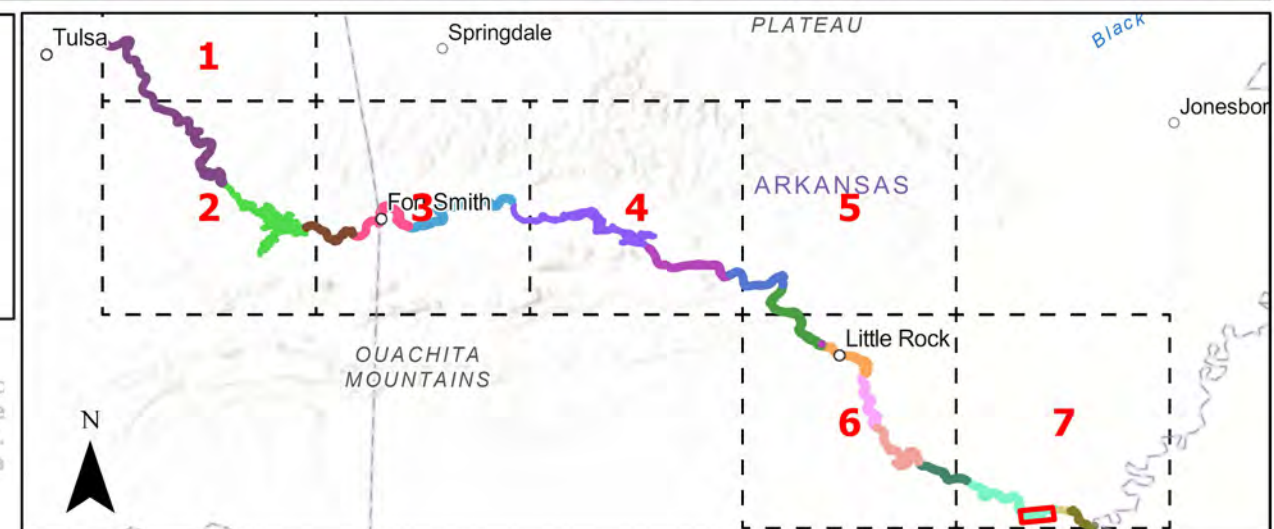
Creator: E Larrat Updated: 07/29/2024

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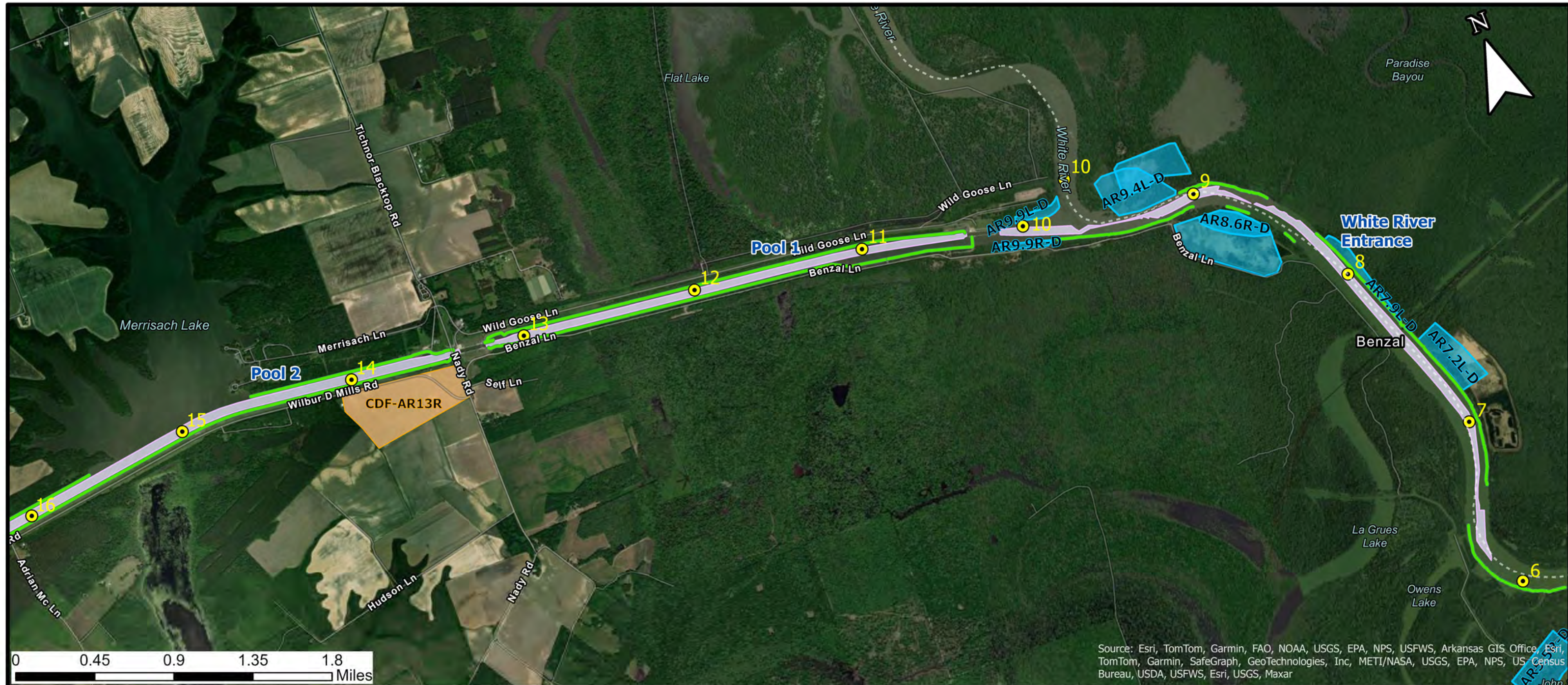
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|---------------------------------|--------------------------------|
| Proposed Training Structures | Proposed Upland Disposal Sites |
| Existing Structures | Known Gravel Beds |
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PCS: NAD 1983 UTM Zone 15N ft
Scale: 1:34,000

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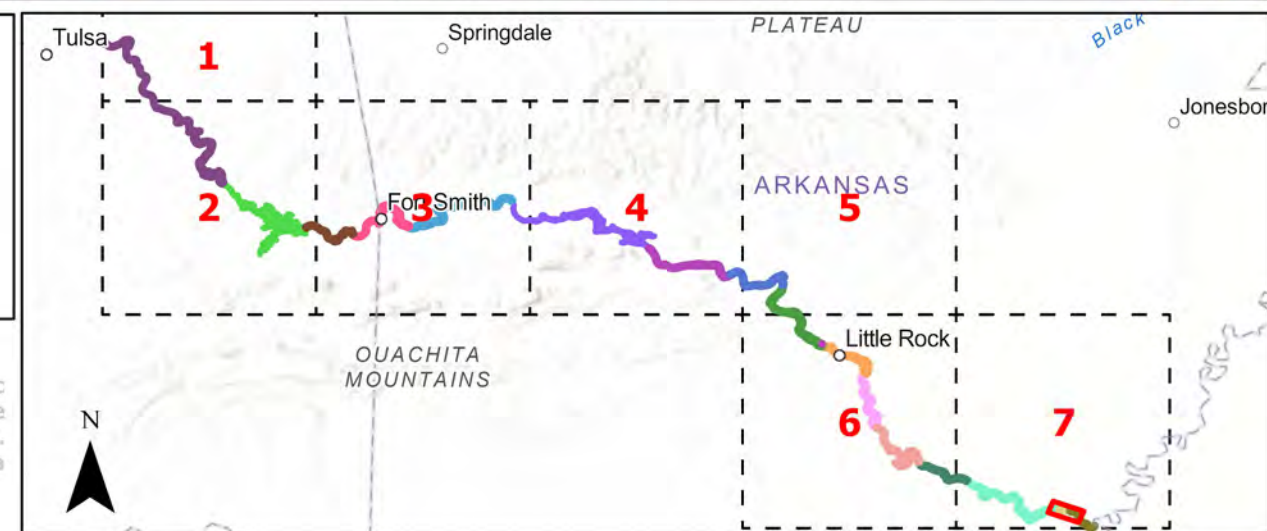
Creator: E Larrat Updated: 07/29/2024

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|---------------------------------|--------------------------------|
| Proposed Training Structures | Proposed Upland Disposal Sites |
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Map 47 of 47

PCS: NAD 1983 UTM Zone 15N ft

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Creator: E Larrat Updated: 07/29/2024

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