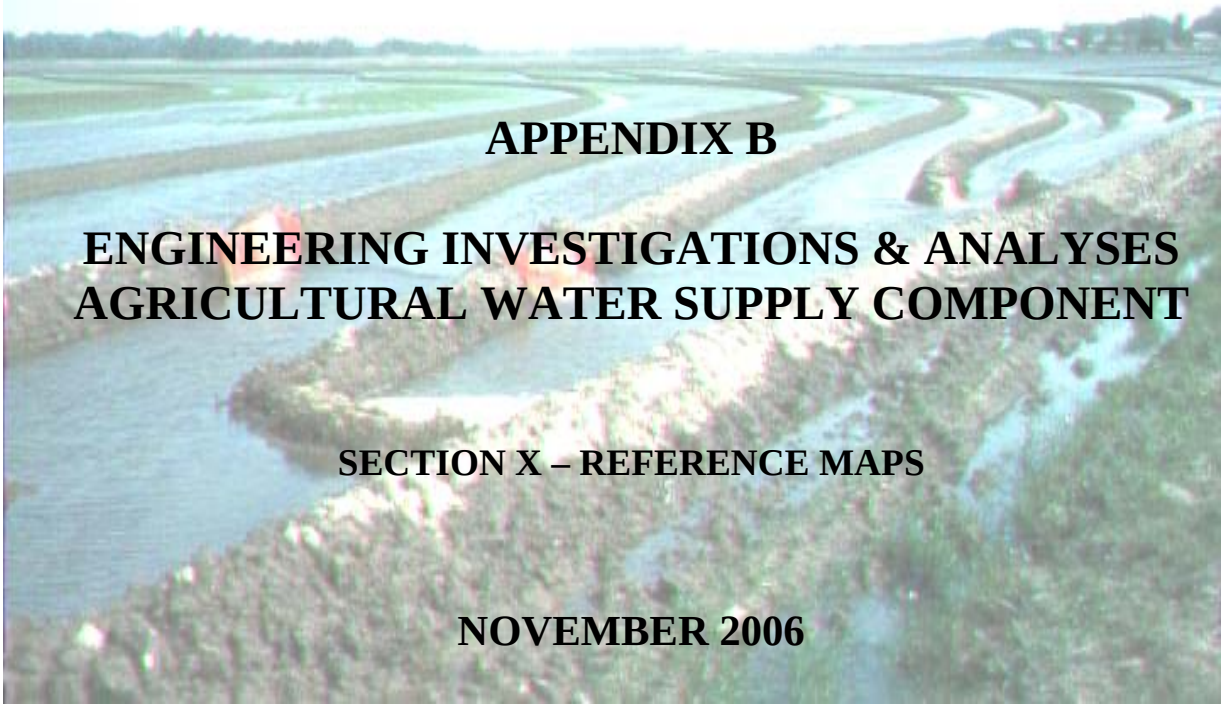
US Army Corps of Engineers
Memphis District

GRAND PRAIRIE REGION AND BAYOU METO BASIN, ARKANSAS PROJECT

BAYOU METO BASIN, ARKANSAS

GENERAL REEVALUATION REPORT

VOLUME 7



APPENDIX B

ENGINEERING INVESTIGATIONS & ANALYSES AGRICULTURAL WATER SUPPLY COMPONENT

SECTION X – REFERENCE MAPS

NOVEMBER 2006

US Army Corps of Engineers
Memphis District

GRAND PRAIRIE REGION AND BAYOU METO BASIN, ARKANSAS PROJECT

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BAYOU METO BASIN, ARKANSAS PROJECT
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Reference Maps

The purpose of this appendix is to present graphically the project area along with the features of the selected plan. Due to the magnitude and complexity of this project, all of the features could not be conveyed on a single set of maps. The coverage of the individual base maps coincides with the coverage presented on the standard 7-1/2 minute USGS quadrangles; however, the scale is set to 1:62,500, the same as the scale for a standard 15 minute USGS quadrangle. The USGS naming convention has been retained for the base maps. An index map showing spatial relationships of the individual maps is provided for easy reference. A composite map of the project area and a vicinity map of the eastern Arkansas regions are also included. For clarity, several series of these base maps have been generated with each series depicting a specific type or types of project features. The components comprising the various series of maps are discussed below. Detailed information regarding the specifics of the project features depicted can be obtained by referencing the text of he report.

PROJECT MAP

The project map is in essence the same as the base map. It includes a USGS quadrangle background, as well as major project features such as pipelines, canals, and ditches. It also includes the construction reach boundaries and the project boundary.

HYDRAULIC STRUCTURES

The series depicts the approximate physical location of hydraulic structures along the distribution system. These structures include weirs, siphons, drop structures, culverts, turnout structures, pump structures, and check structures.

LANDUSE/LANDCOVER AND WETLANDS

Wetland areas were developed by Vicksburg District and represent those areas within the project that are considered wetlands. Landuse/landcover data were also developed by Vicksburg District. The two layers were intersected to determine areas of impact of Forested and Cleared wetlands.

RELOCATIONS

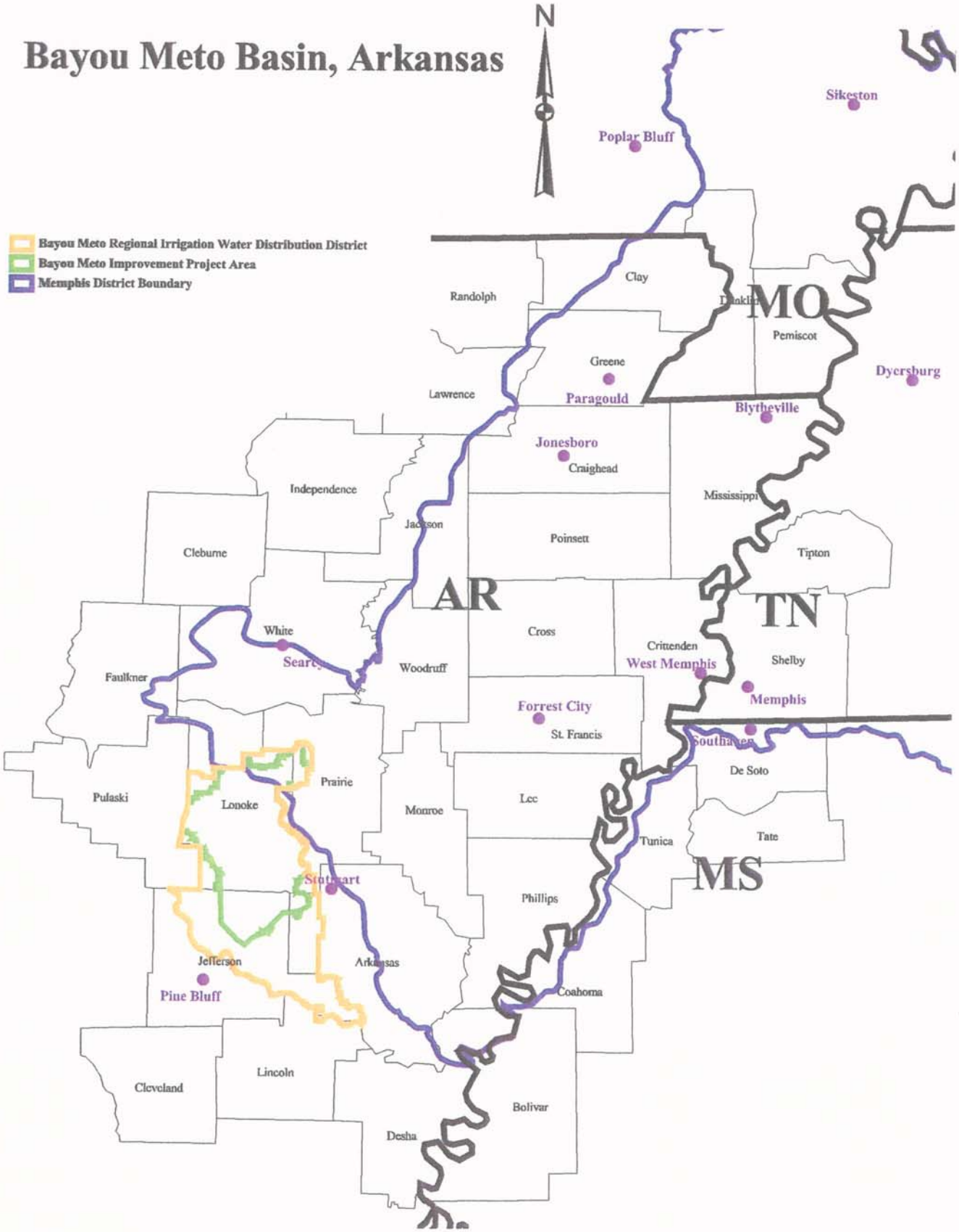
Physical location and naming/numbering convention (when available) of relocations.

PROPERTY OWNERSHIPS

Property ownership data was obtained from Marceline Mapping Services, Inc., for the project area in DXF format. This data was layered with other project area data to obtain property ownership information for areas where right-of-way would need to be obtained.

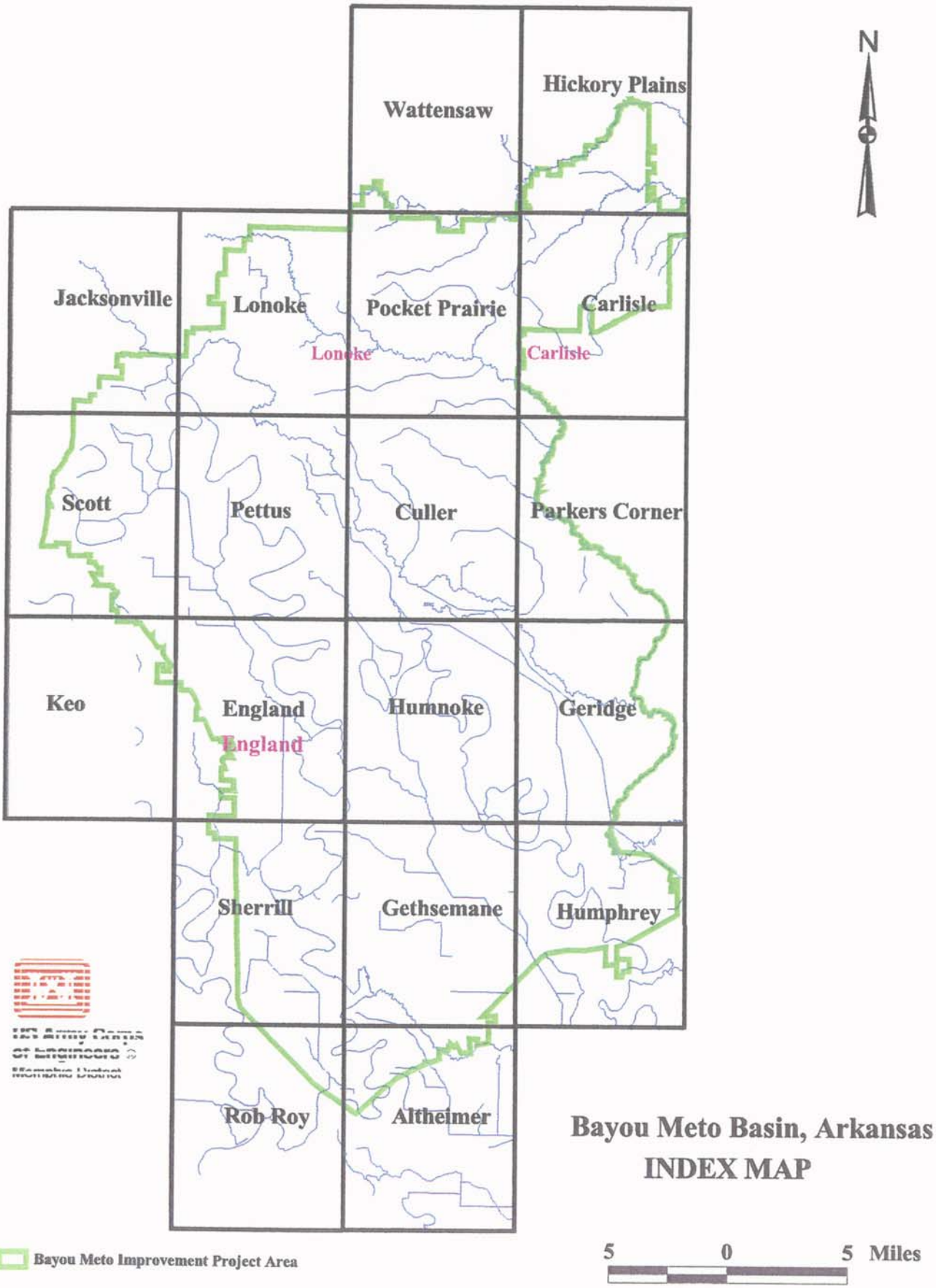
LEGENDS

Bayou Meto Basin, Arkansas

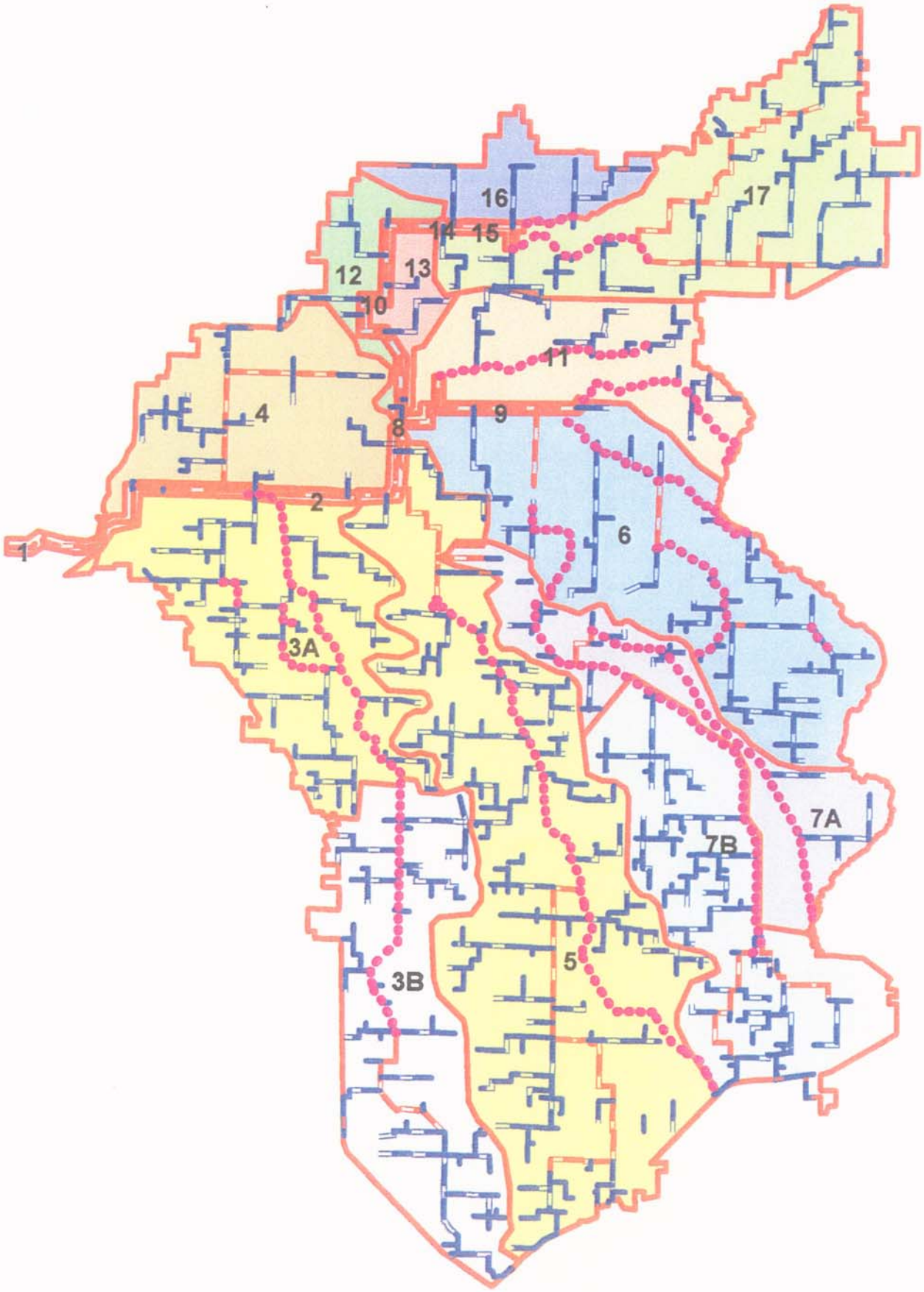


10 0 10 20 30 40 50 Miles

VICINITY MAP



Bayou Meto Improvement Project Area



S Army Corps
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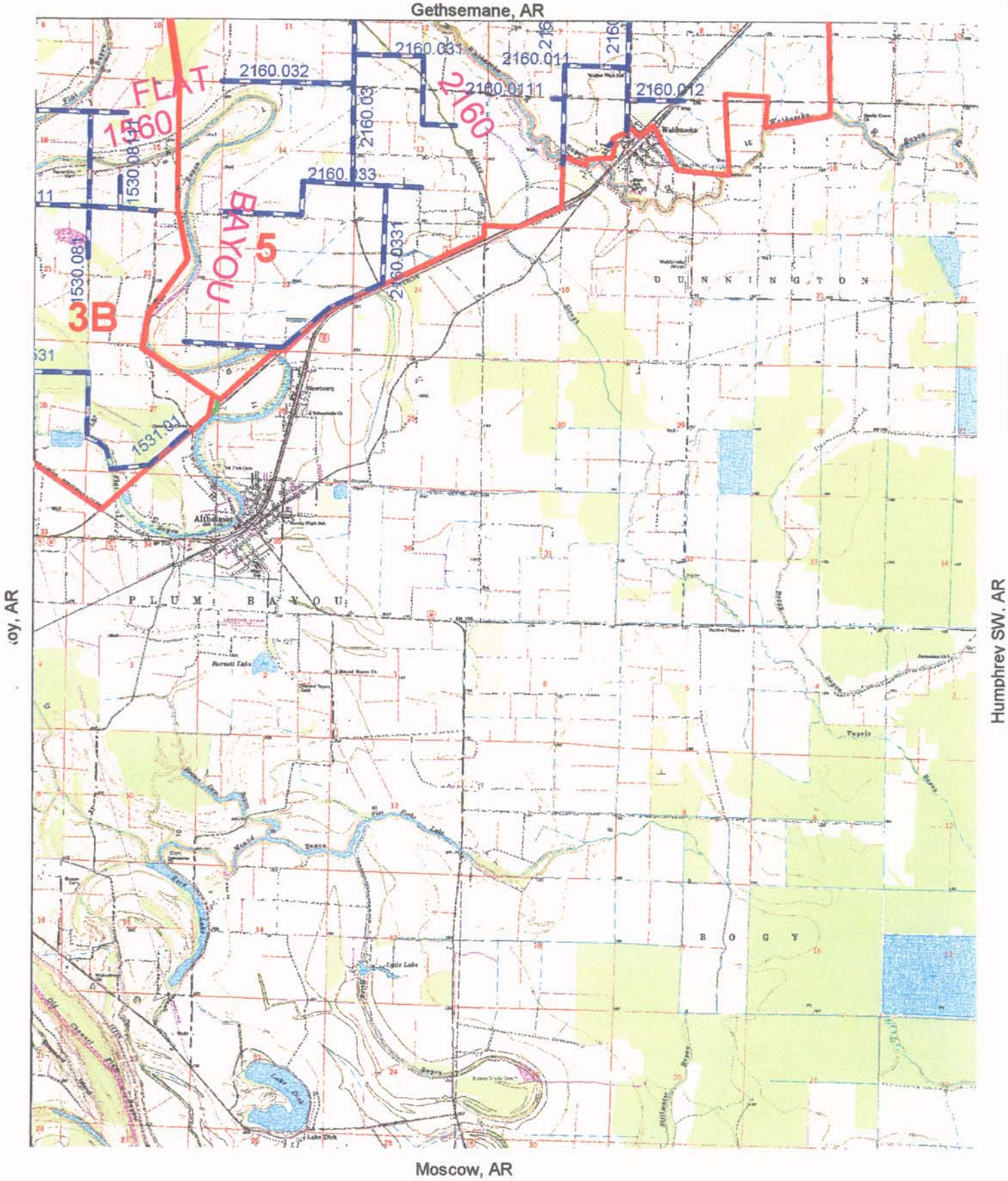
Ditches
Pipelines
Canals
Construction Reaches
Bayou Meto Improvement Project Area

N

Construction Reaches

BASEMAPS



US Army Corps of Engineers
Memphis District

Ditches
Pipelines
Canals
Construction Reaches
Bayou Meto Improvement Project Area

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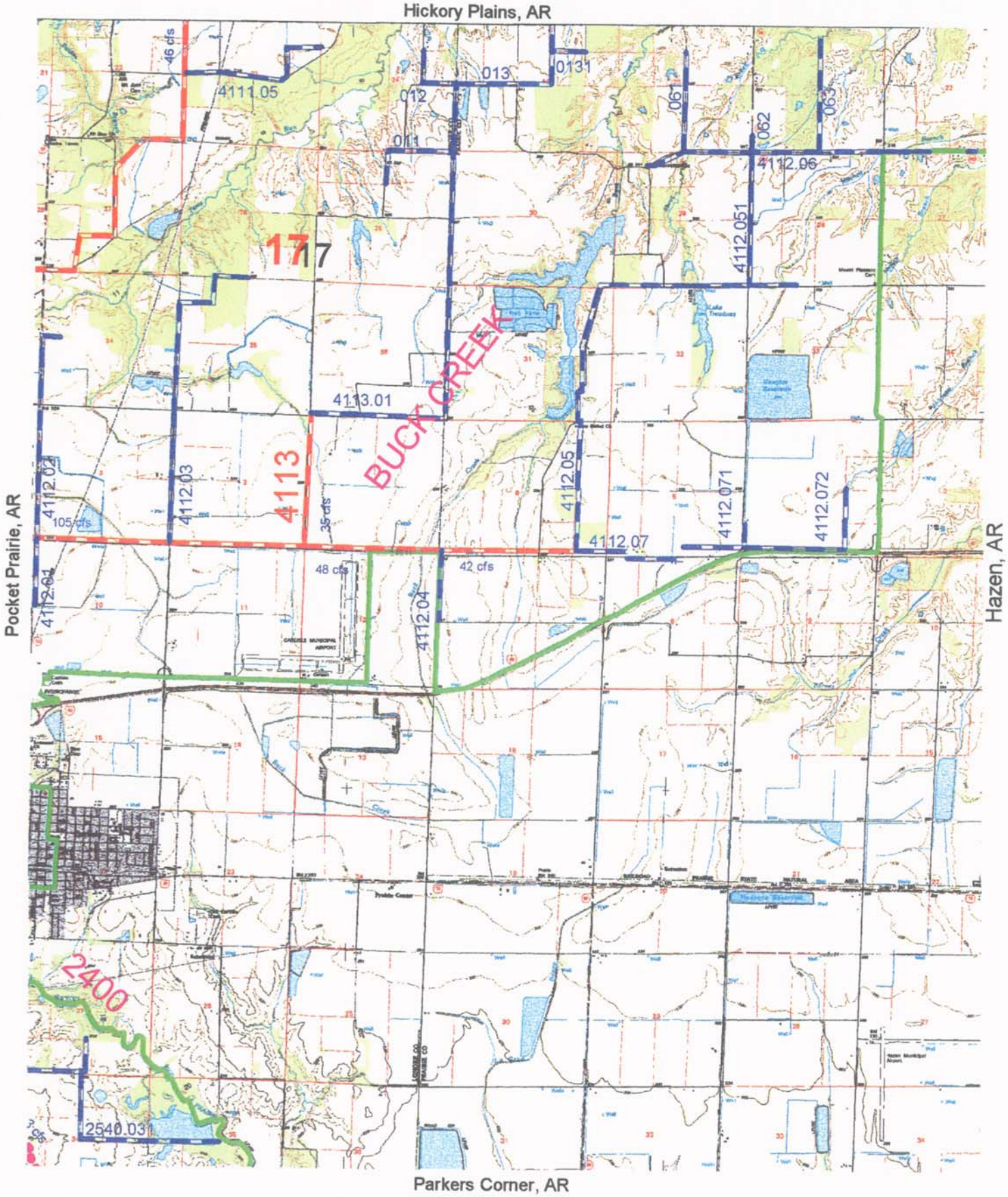
SCALE=1:62,500

Altheimer, AR Project Map



US Army Corps of Engineers
Memphis District

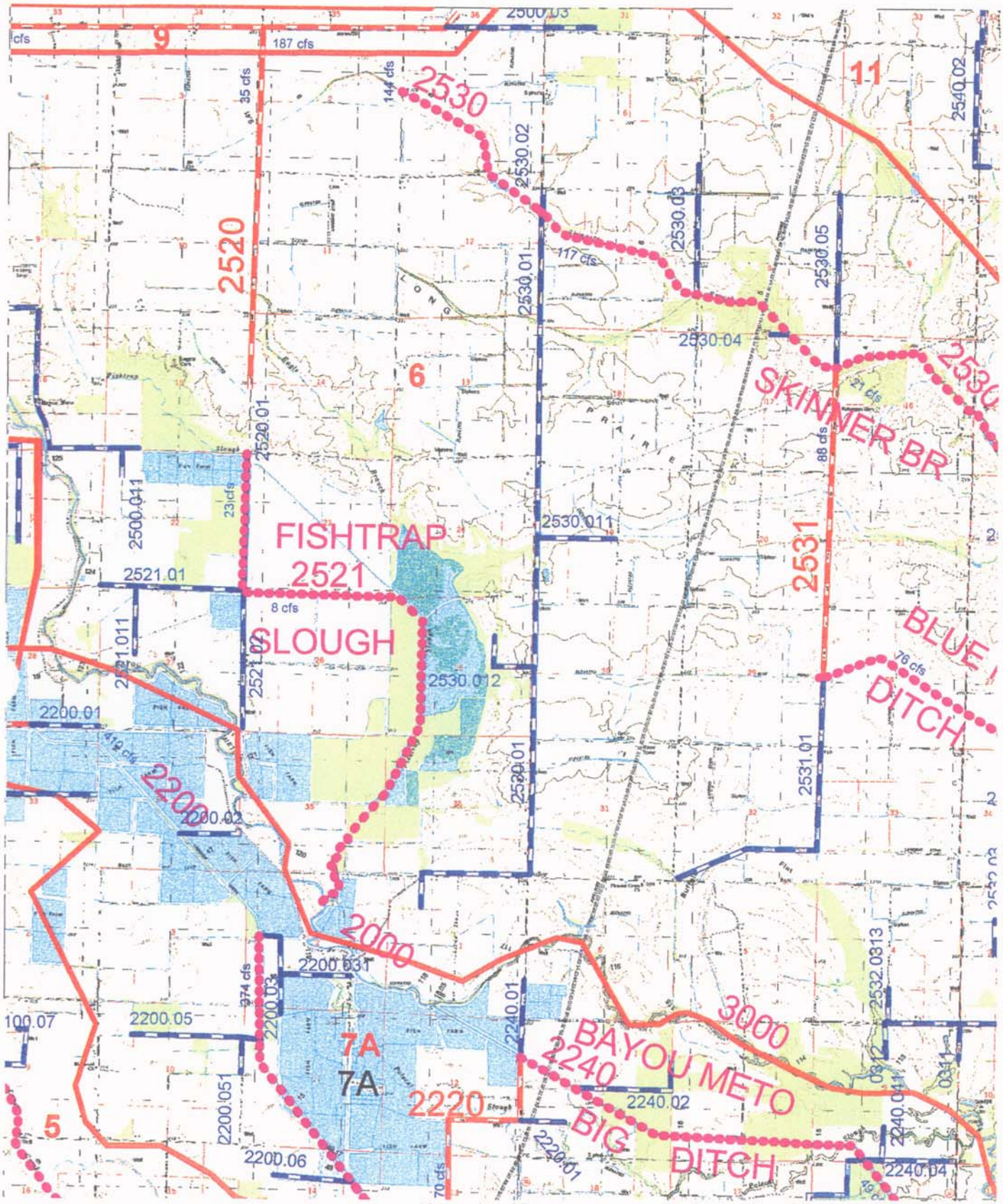
Ditches
Pipelines
Canals
Bayou Meto Improvement Project Area

N

SCALE=1:62,500

Carlisle, AR Project Map

Pocket Prairie, AR



Pettus, AR

Parkers Corner, AR

Humnoke, AR

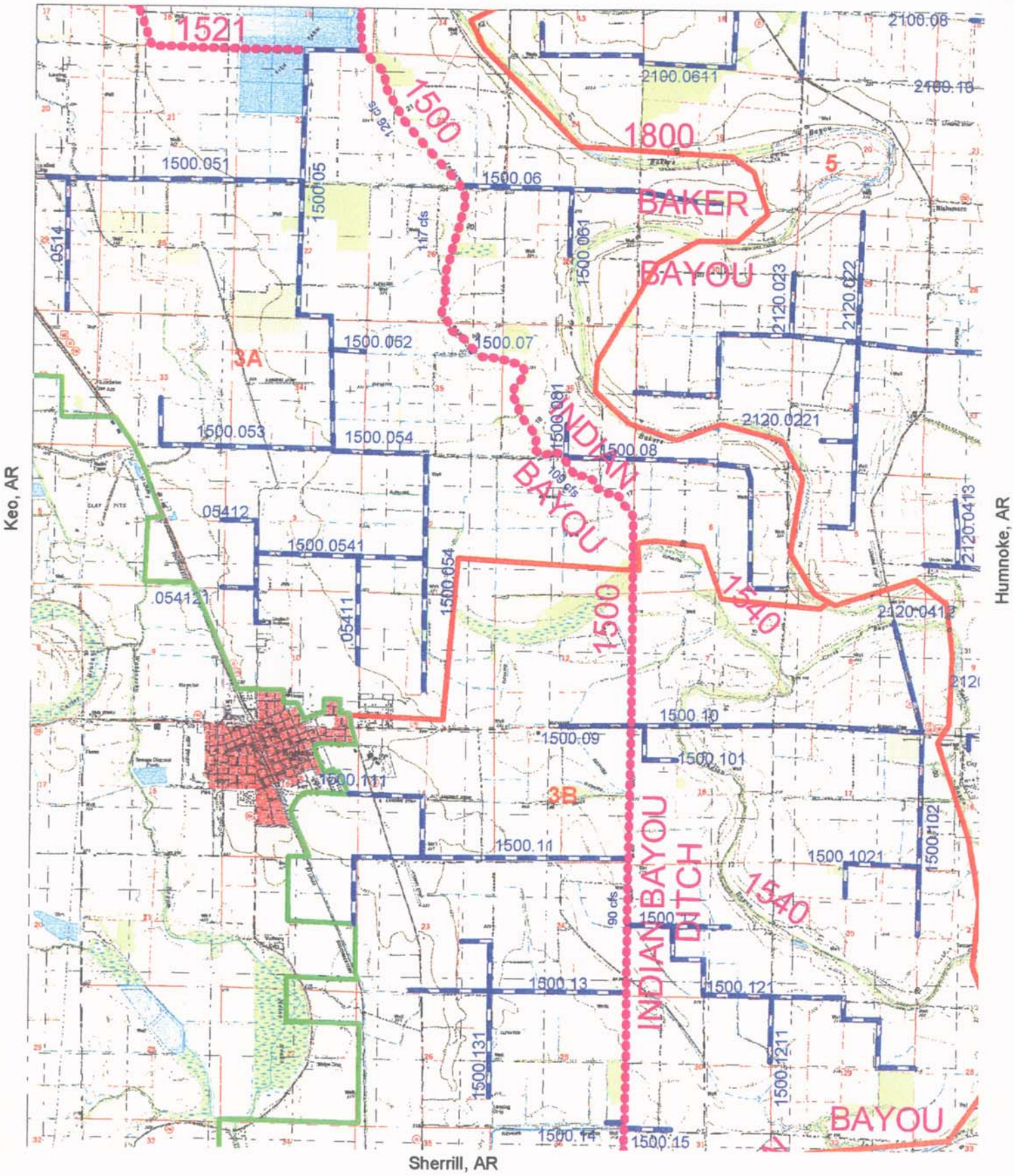
US Army Corps of Engineers
Memphis District

Ditches
Pipelines
Canals
Bayou Meto Improvement Project Area
Construction Reaches

N

SCALE=1:62,500

Culler, AR Project Map



US Army Corps of Engineers
Memphis District

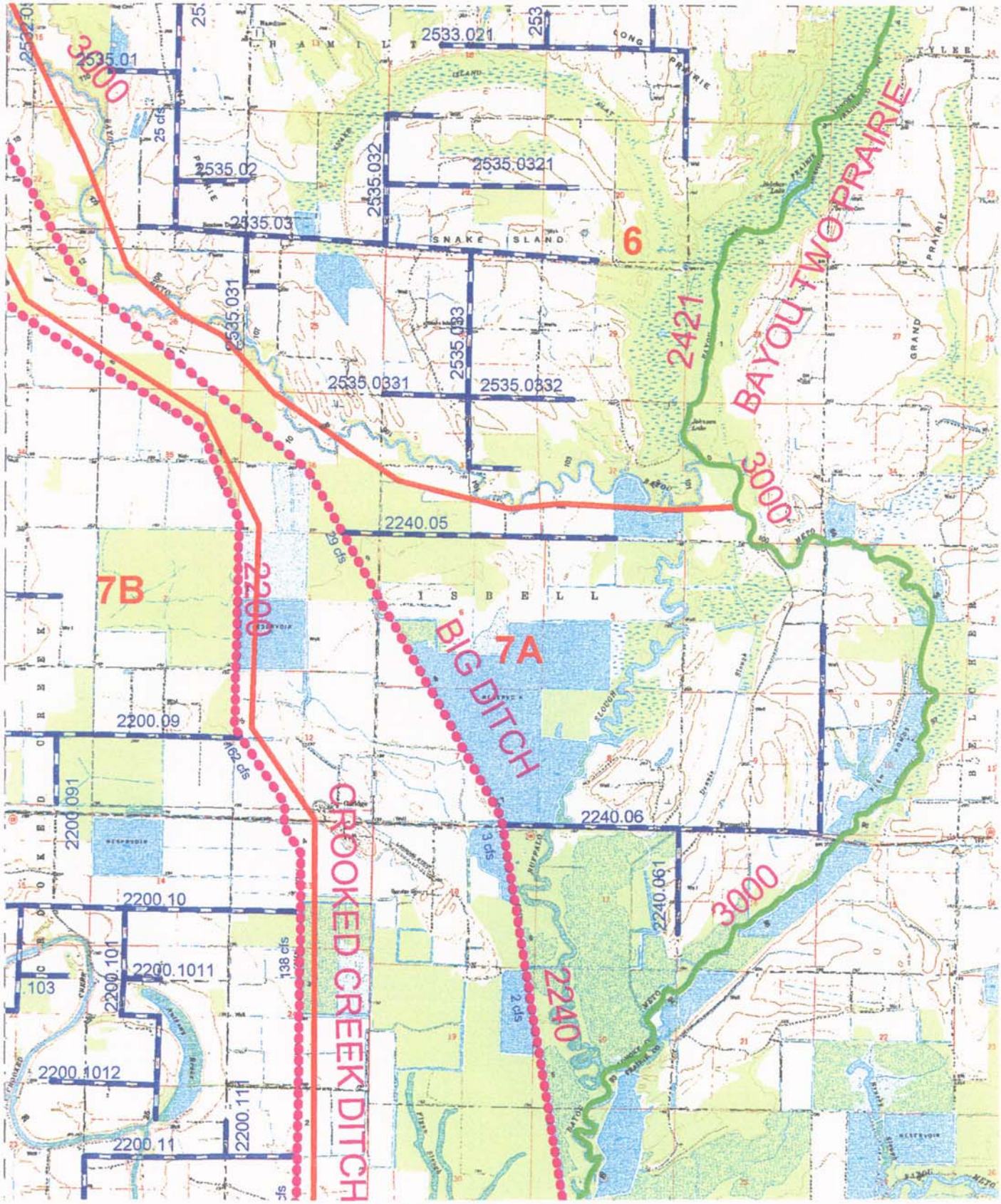
Ditches
Pipelines
Canals
Bayou Meto Improvement Project Area
Construction Reaches

N

SCALE=1:62,500

England, AR Project Map

Parkers Corner, AR



Humnoke, AR

Stuttgart North, AR

Humphrey, AR

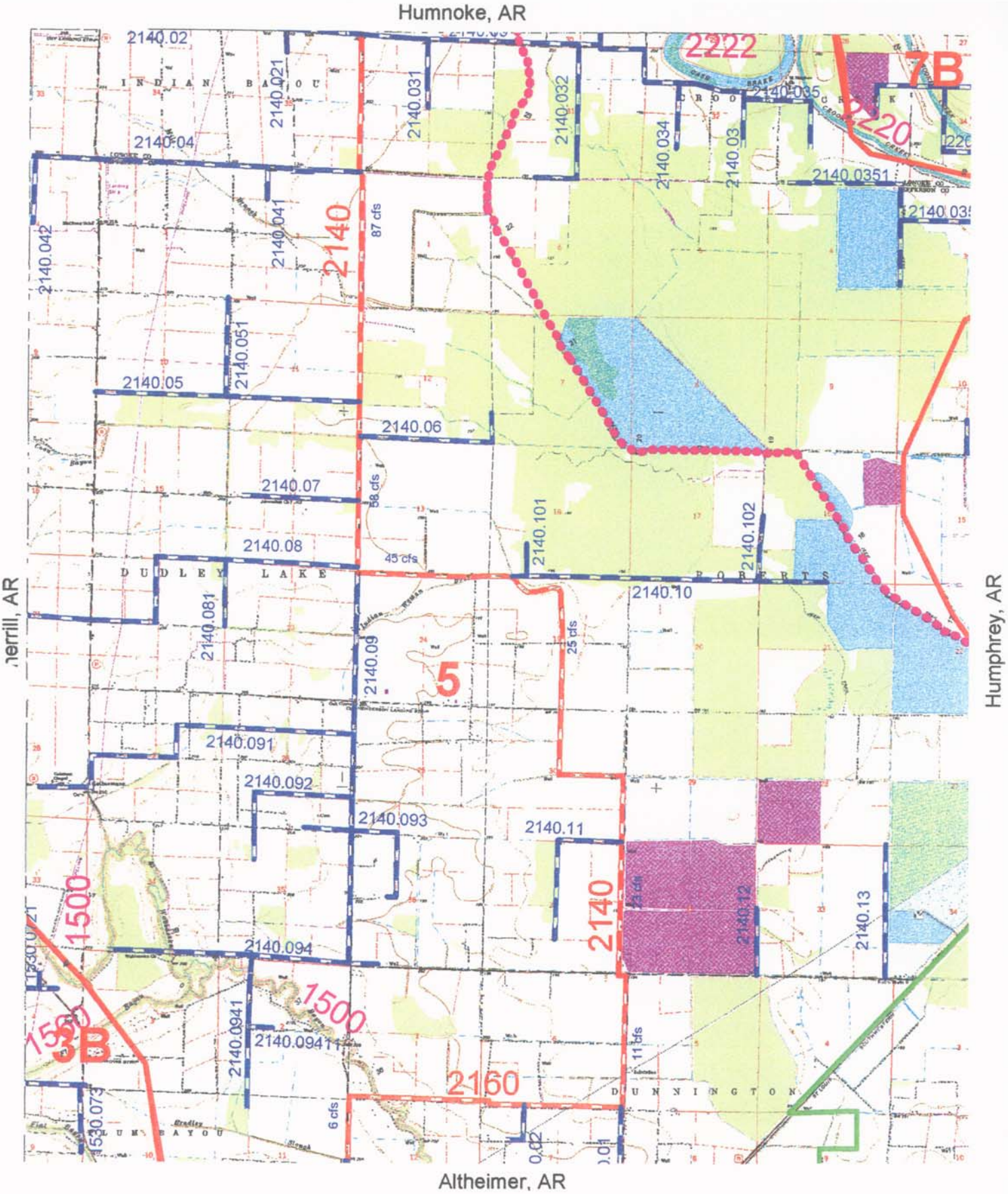
US Army Corps of Engineers
Memphis District

Ditches
Pipelines
Canals
Bayou Meto Improvement Project Area
Construction Reaches

N

SCALE=1:62,500

Geridge, AR Project Map



US Army Corps of Engineers
Memphis District

Ditches
Pipelines
Canals
Bayou Meto Improvement Project Area
Construction Reaches

N

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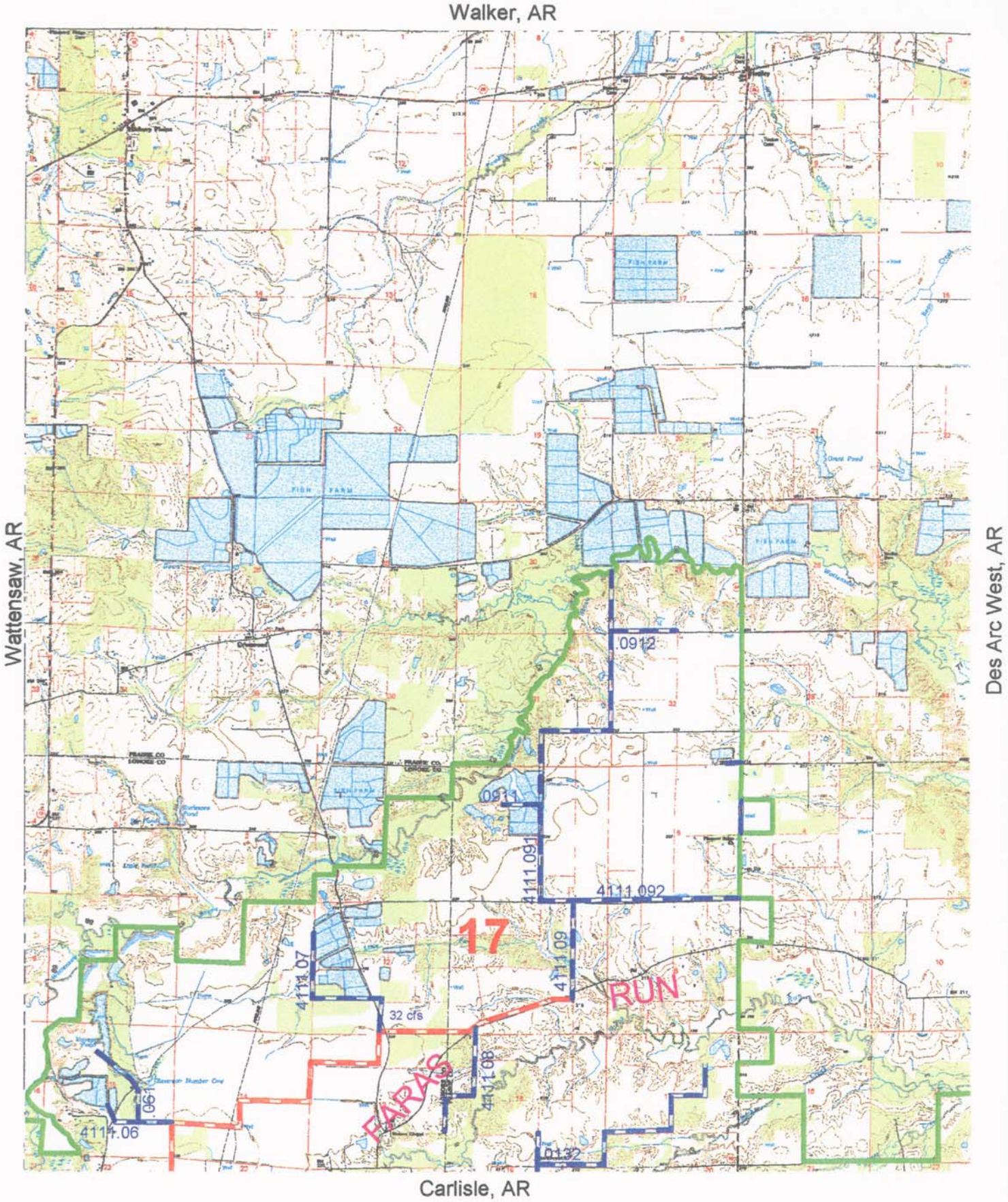
Gethsemane, AR Project Map



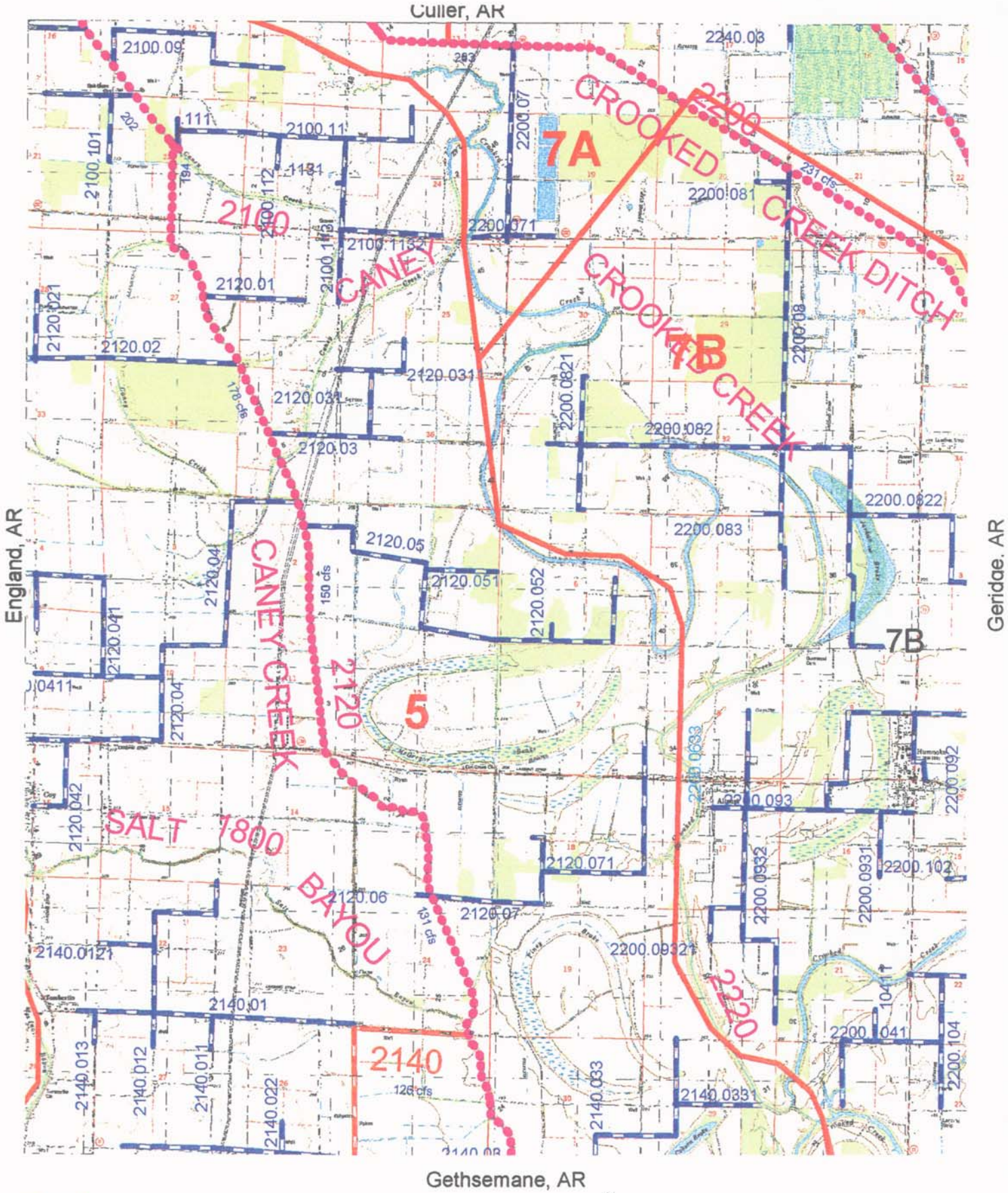
US Army Corps of Engineers
Memphis District

Ditches
Pipelines
Canals
Bayou Meto Improvement Project Area
Construction Reaches

N

SCALE=1:62,500

Hickory Plains, AR Project Map



US Army Corps of Engineers
Memphis District

Ditches
Pipelines
Canals
Bayou Meto Improvement Project Area
Construction Reaches

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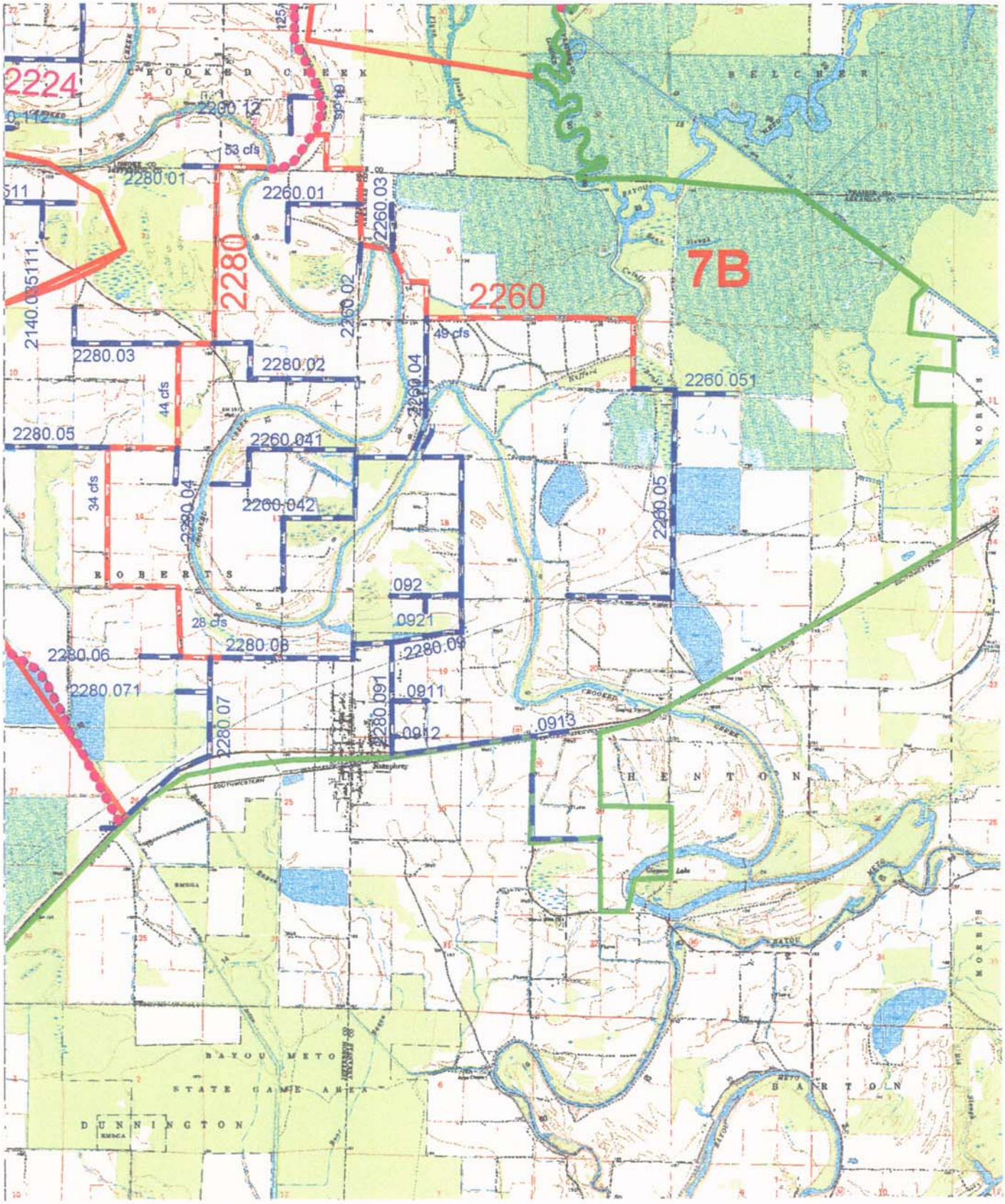
Humnoke, AR Project Map

Geridge, AR



Gethsemane, AR

Stuttgart South, AR

Humphrey SW, AR

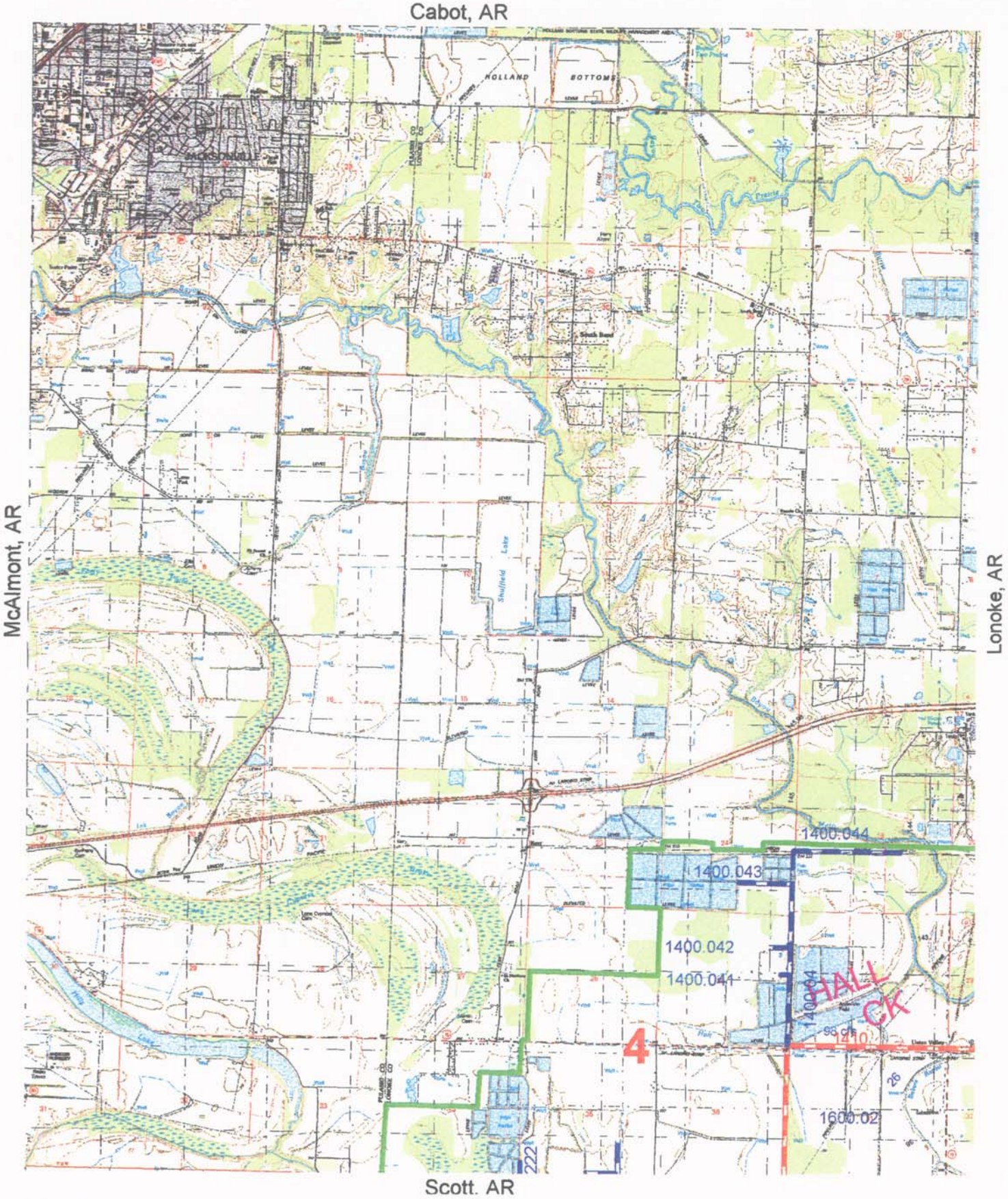
US Army Corps of Engineers
Memphis District

Ditches
Pipelines
Canals
Bayou Meto Improvement Project Area
Construction Reaches

N

SCALE=1:62,500

Humphrey NW, AR Project Map



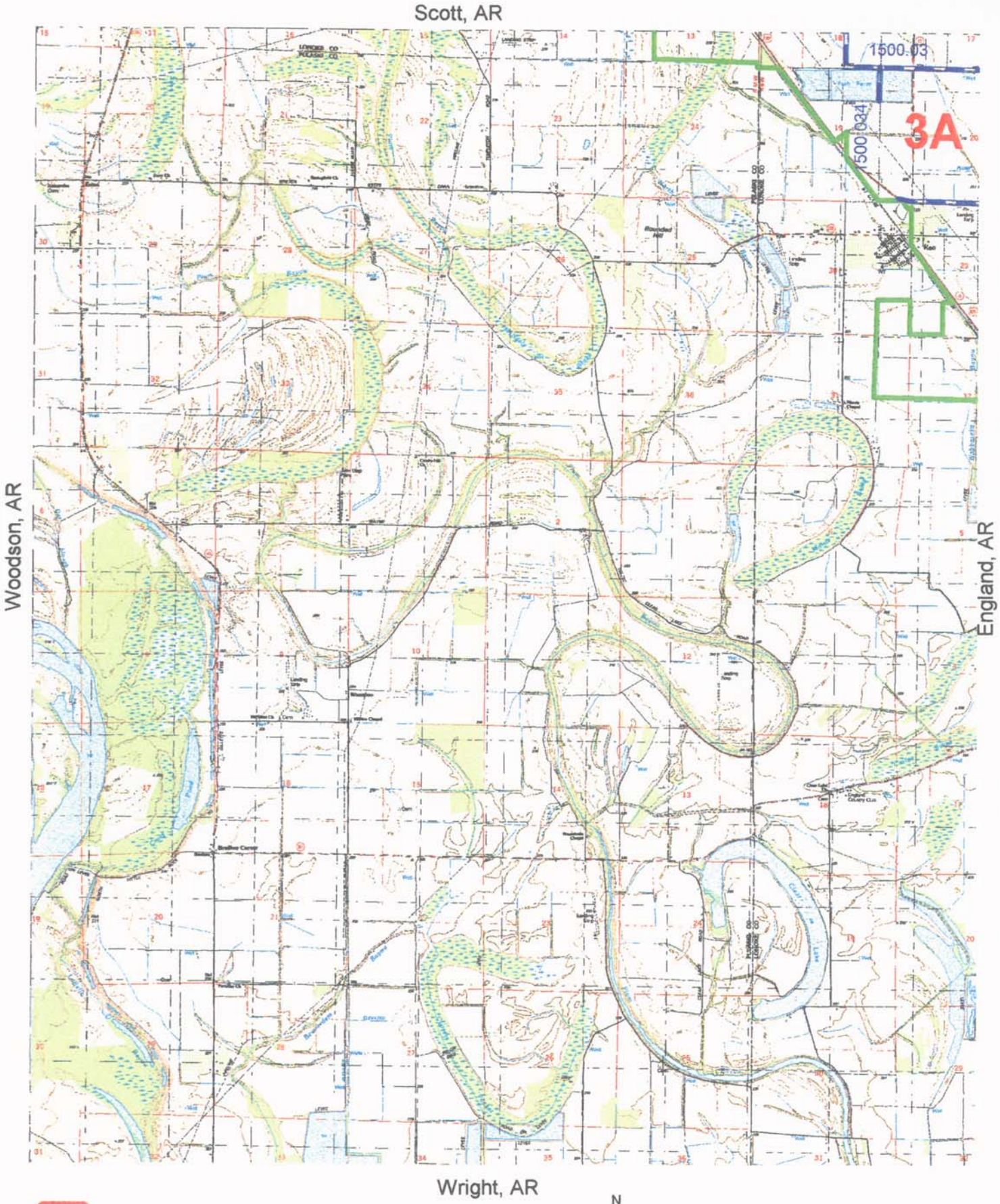
US Army Corps of Engineers
Memphis District

Ditches
Pipelines
Canals
Bayou Meto Improvement Project Area
Construction Reaches

N

SCALE=1:62,500

Jacksonville, AR Project Map



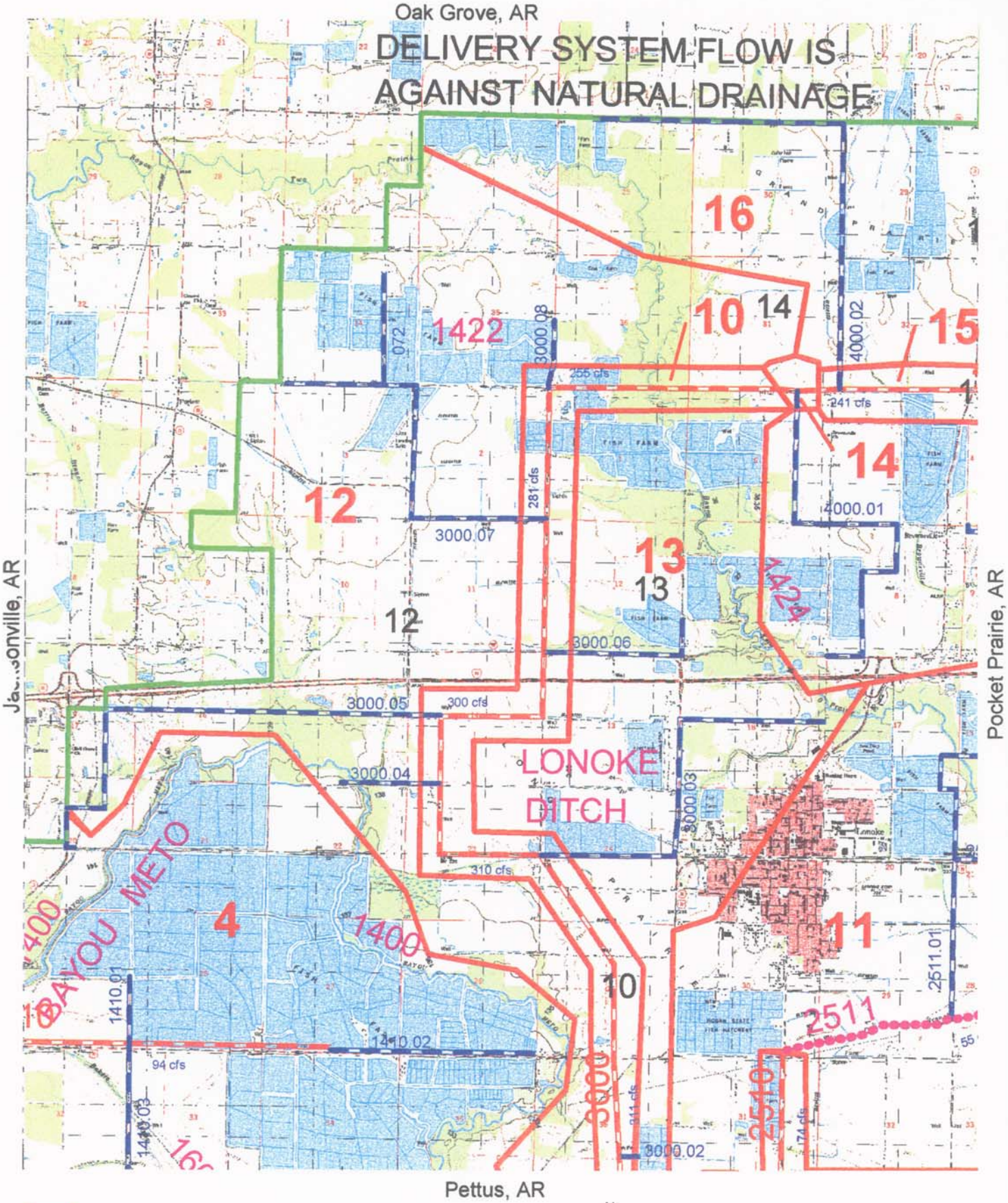
US Army Corps of Engineers
Memphis District

Ditches
Pipelines
Canals
Bayou Meto Improvement Project Area
Construction Reaches

N

SCALE=1:62,500

Keo, AR Project Map



US Army Corps of Engineers
Memphis District

Ditches
Pipelines
Canals
Bayou Meto Improvement Project Area
Construction Reaches

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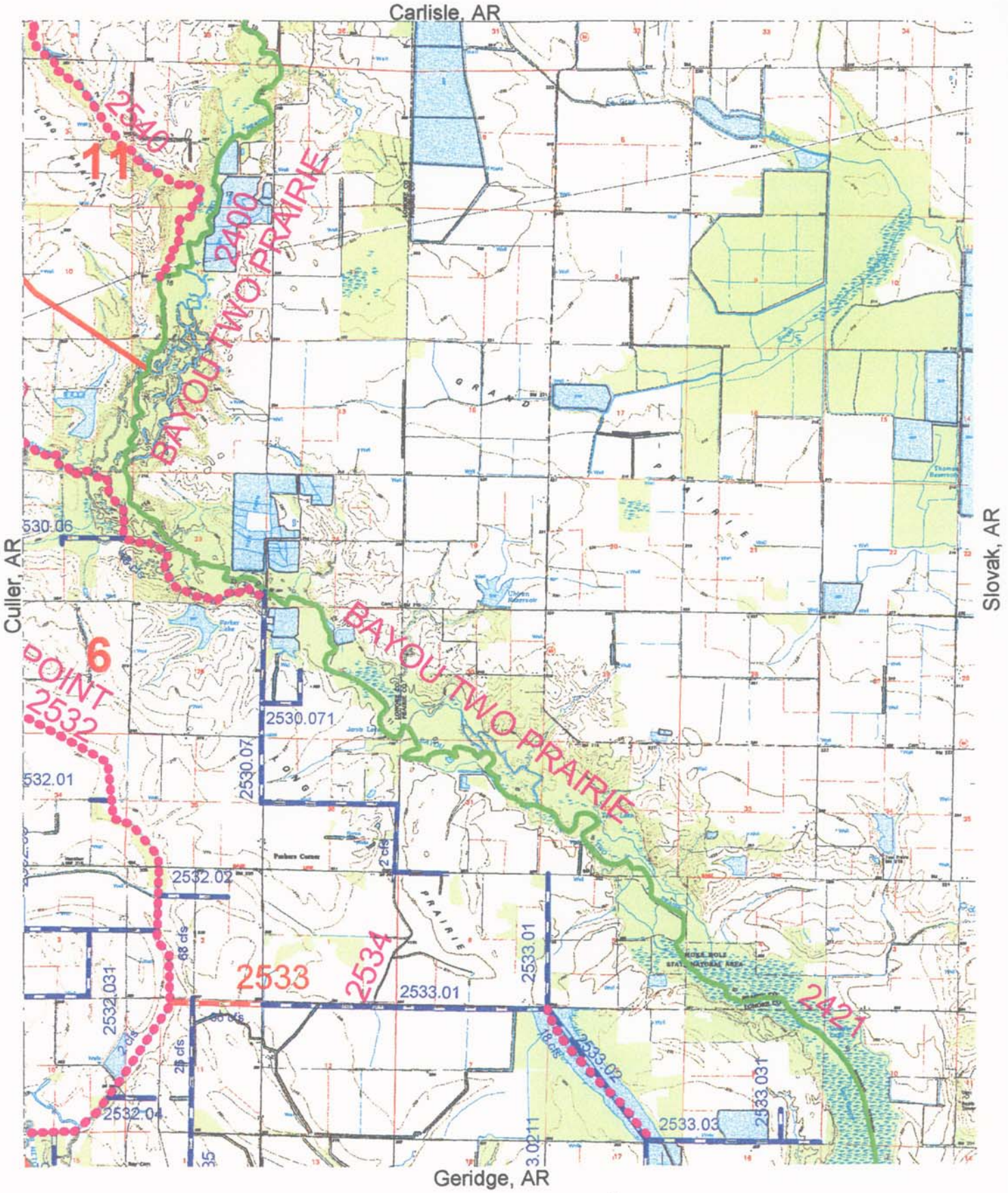
SCALE=1:62,500

Lonoke, AR
Project Map



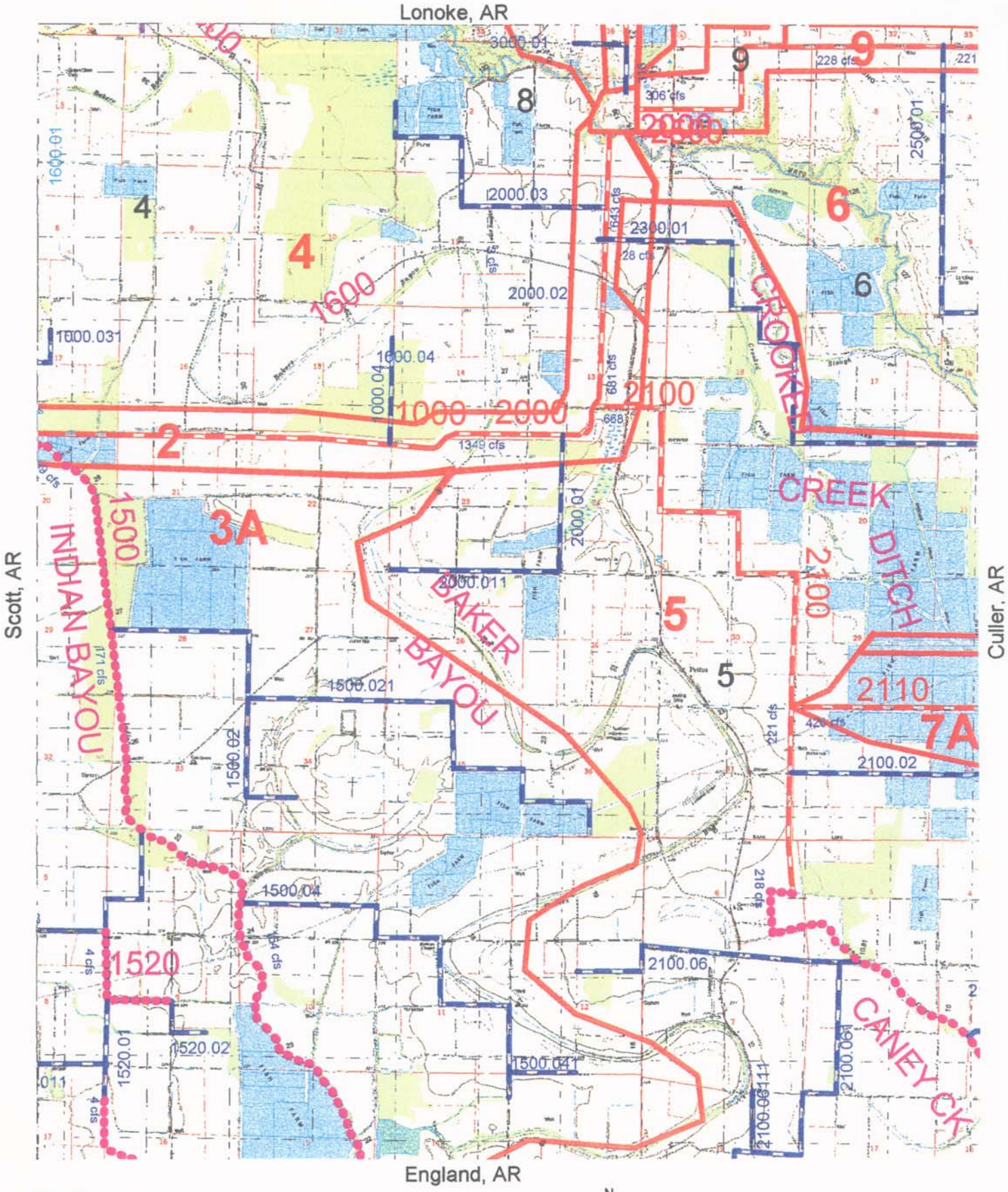
US Army Corps of Engineers
Memphis District

Ditches
Pipelines
Canals
Bayou Meto Improvement Project Area
Construction Reaches

N

SCALE=1:62,500

Parkers Corner, AR Project Map



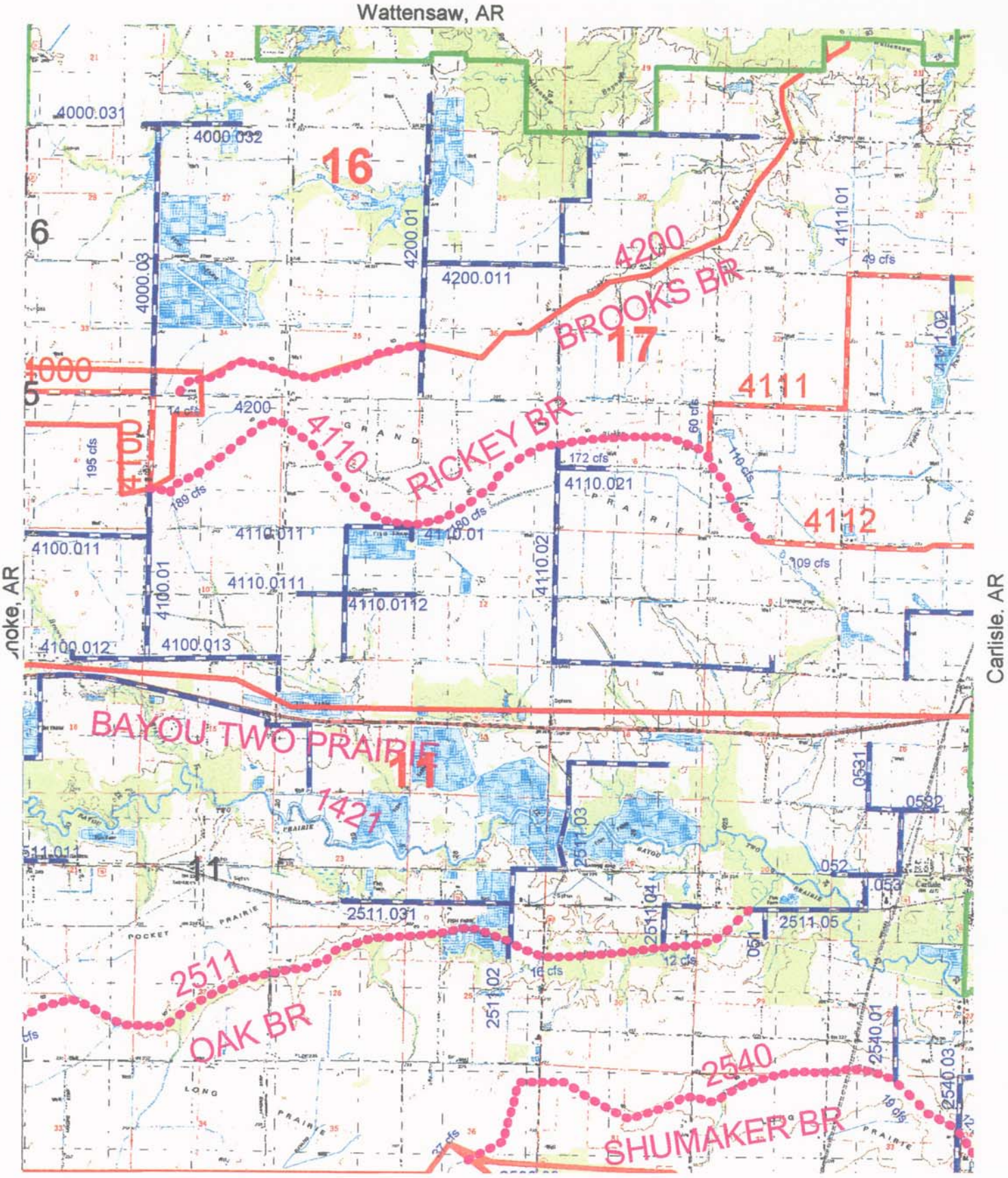
US Army Corps of Engineers
Memphis District

Ditches
Pipelines
Canals
Bayou Meto Improvement Project Area
Construction Reaches

N

SCALE=1:62,500

Pettus, AR Project Map



US Army Corps of Engineers
Memphis District

Ditches
Pipelines
Canals
Bayou Meto Improvement Project Area
Construction Reaches

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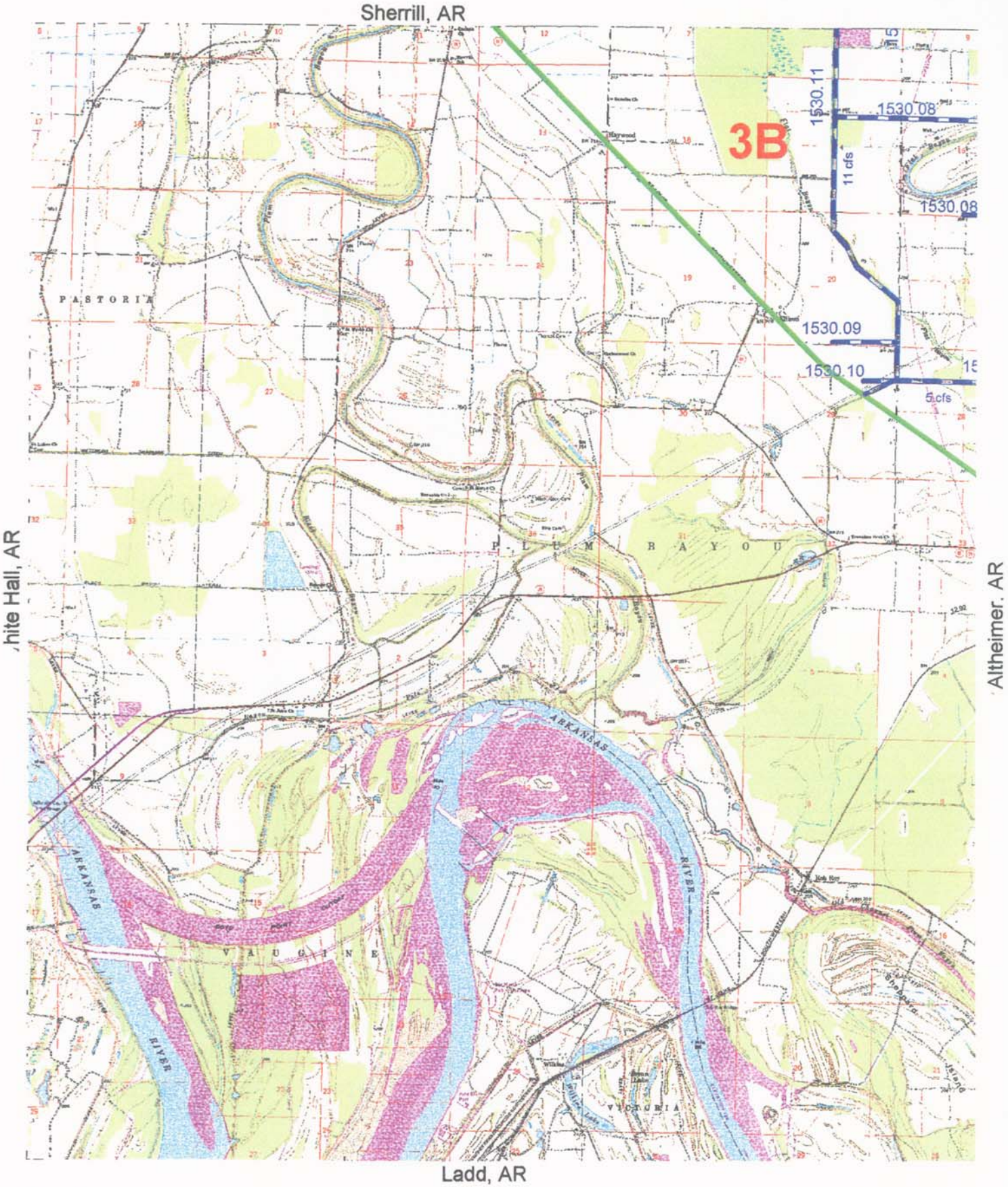
Pocket Prairie, AR Project Map



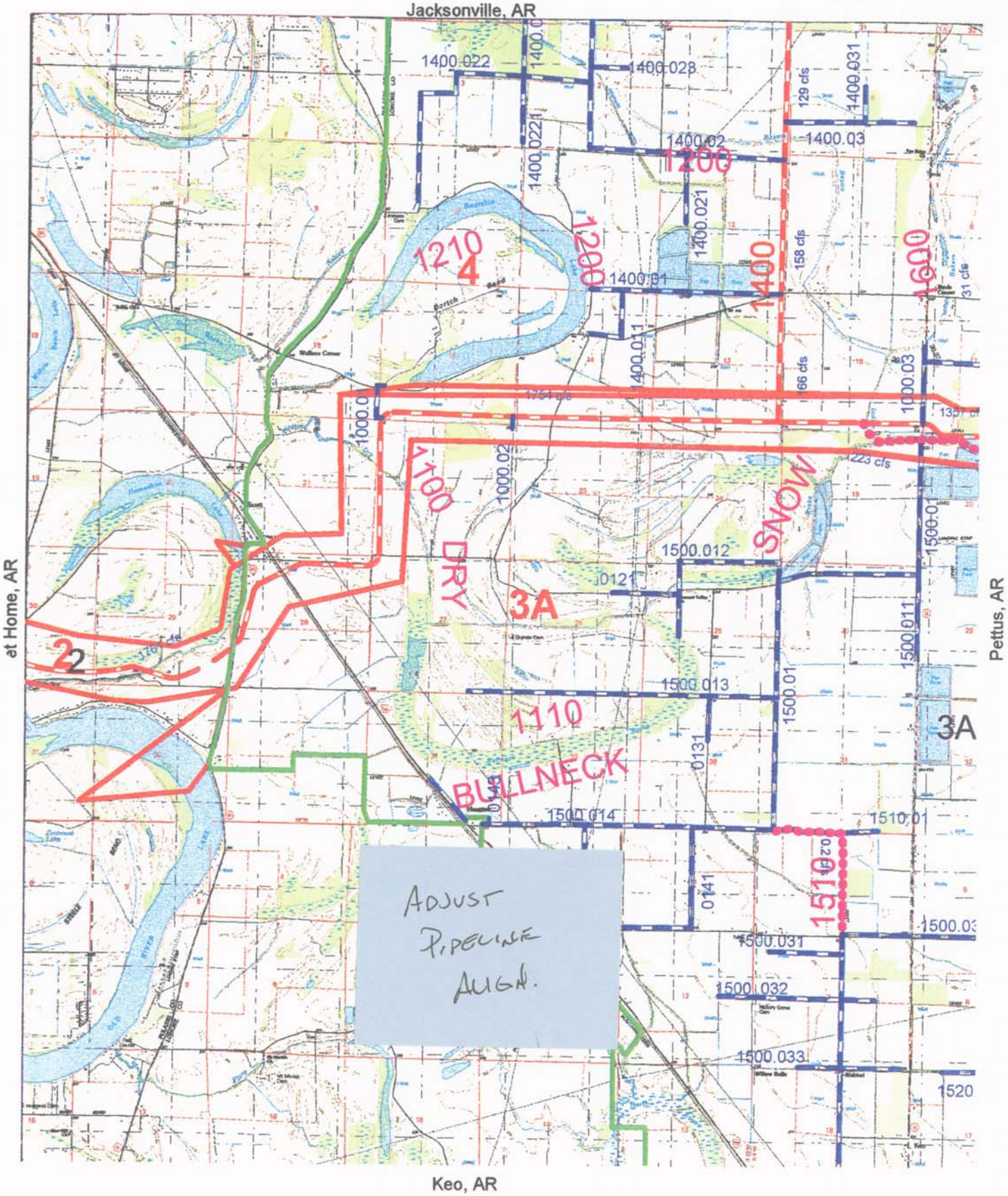
US Army Corps of Engineers
Memphis District

Ditches
Pipelines
Canals
Bayou Meto Improvement Project Area
Construction Reaches

N

SCALE=1:62,500

Rob Roy, AR Project Map



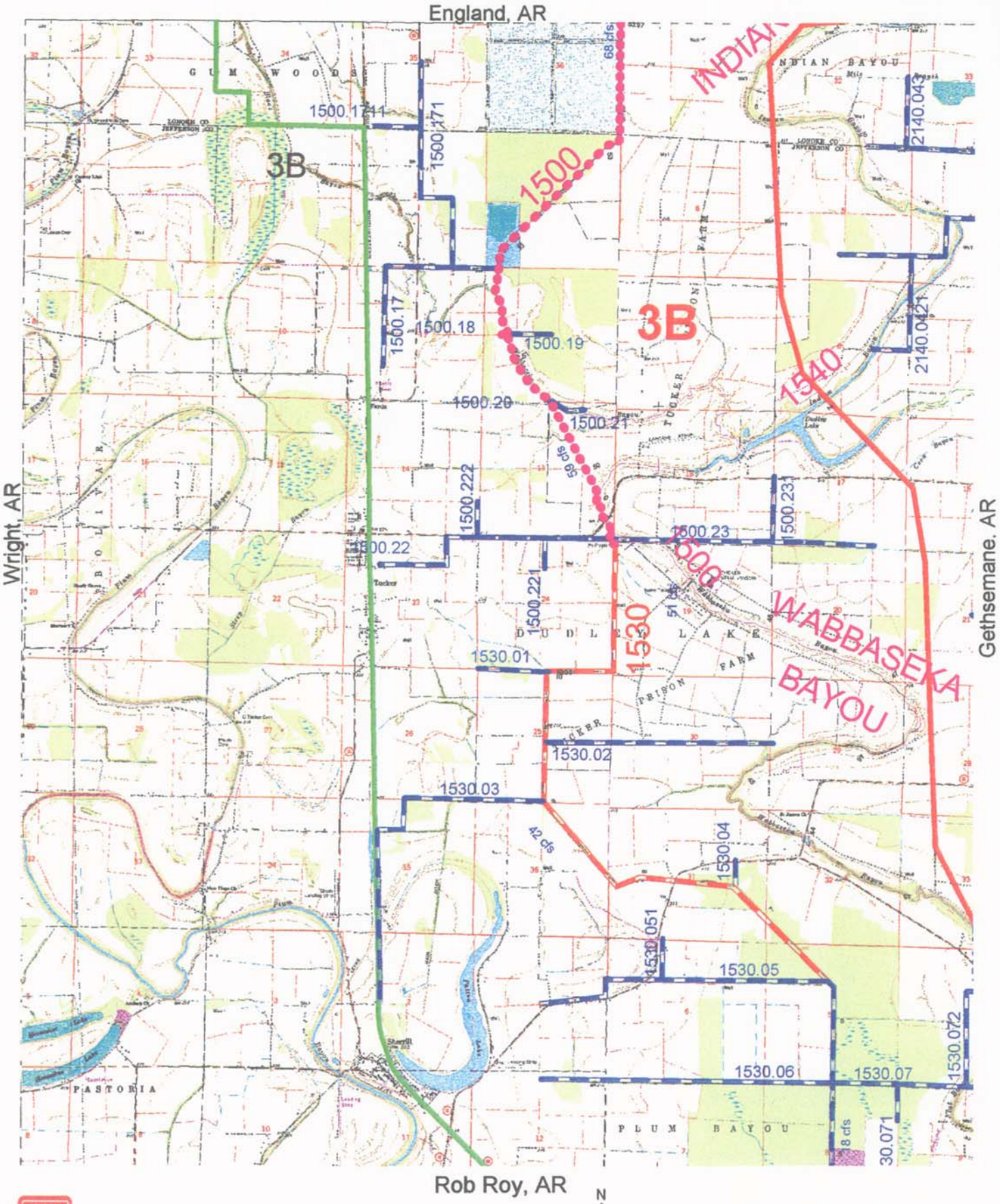
US Army Corps of Engineers
Memphis District

Ditches
Pipelines
Canals
Bayou Meto Improvement Project Area
Construction Reaches

N

SCALE=1:62,500

Scott, AR Project Map



US Army Corps of Engineers
Memphis District

Ditches
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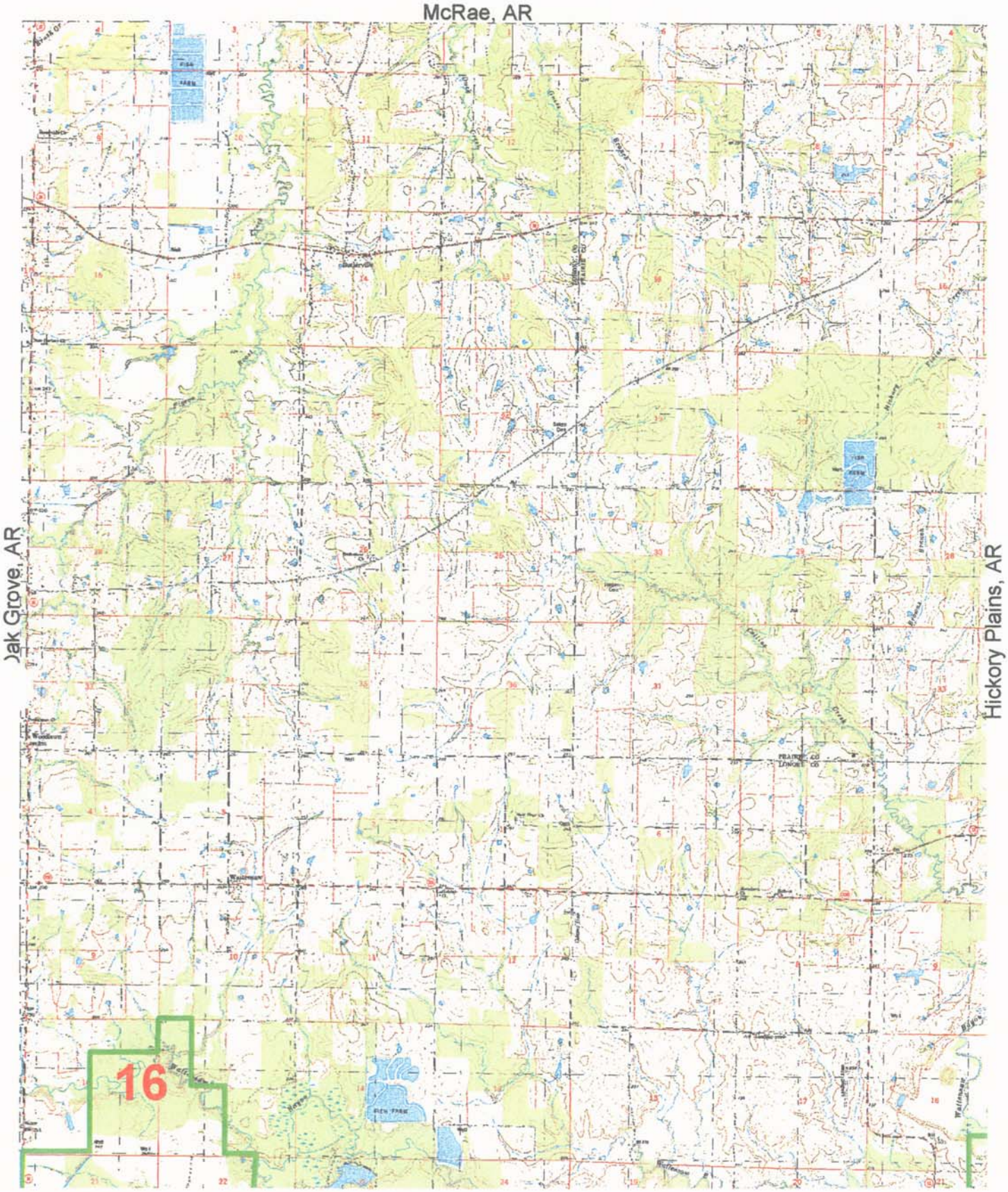
Canals
Bayou Meto Improvement Project Area
Construction Reaches

N

SCALE=1:62,500

Sherrill, AR Project Map



US Army Corps of Engineers
Memphis District

Ditches
Pipelines
Canals
Bayou Meto Improvement Project Area
Construction Reaches

N

SCALE=1:62,500

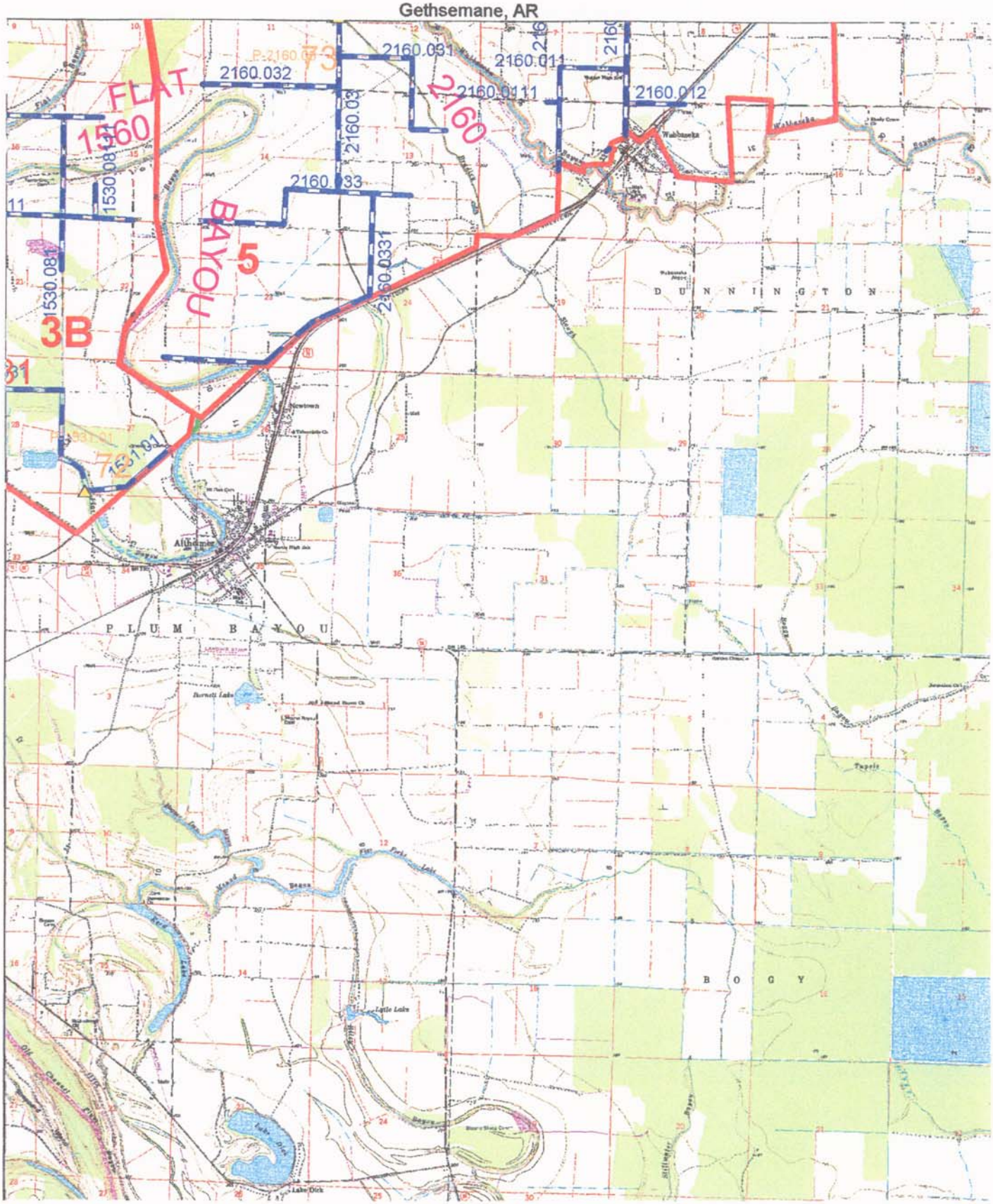
Wattensaw, AR Project Map

HYDRAULIC STRUCTURES

Legend for
Hydraulic Structures

- Siphons
- Drop Structures
- Weirs
- Reservoirs
- Pumps
- Pumping Stations
- Gatewell Structures
- Check Structures
- Ditches
- Pipelines
- Canals
- Bayou Meto Improvement Project Area
- Construction Reaches

Gethsemane, AR



Roy, AR

Humphrey SW, AR

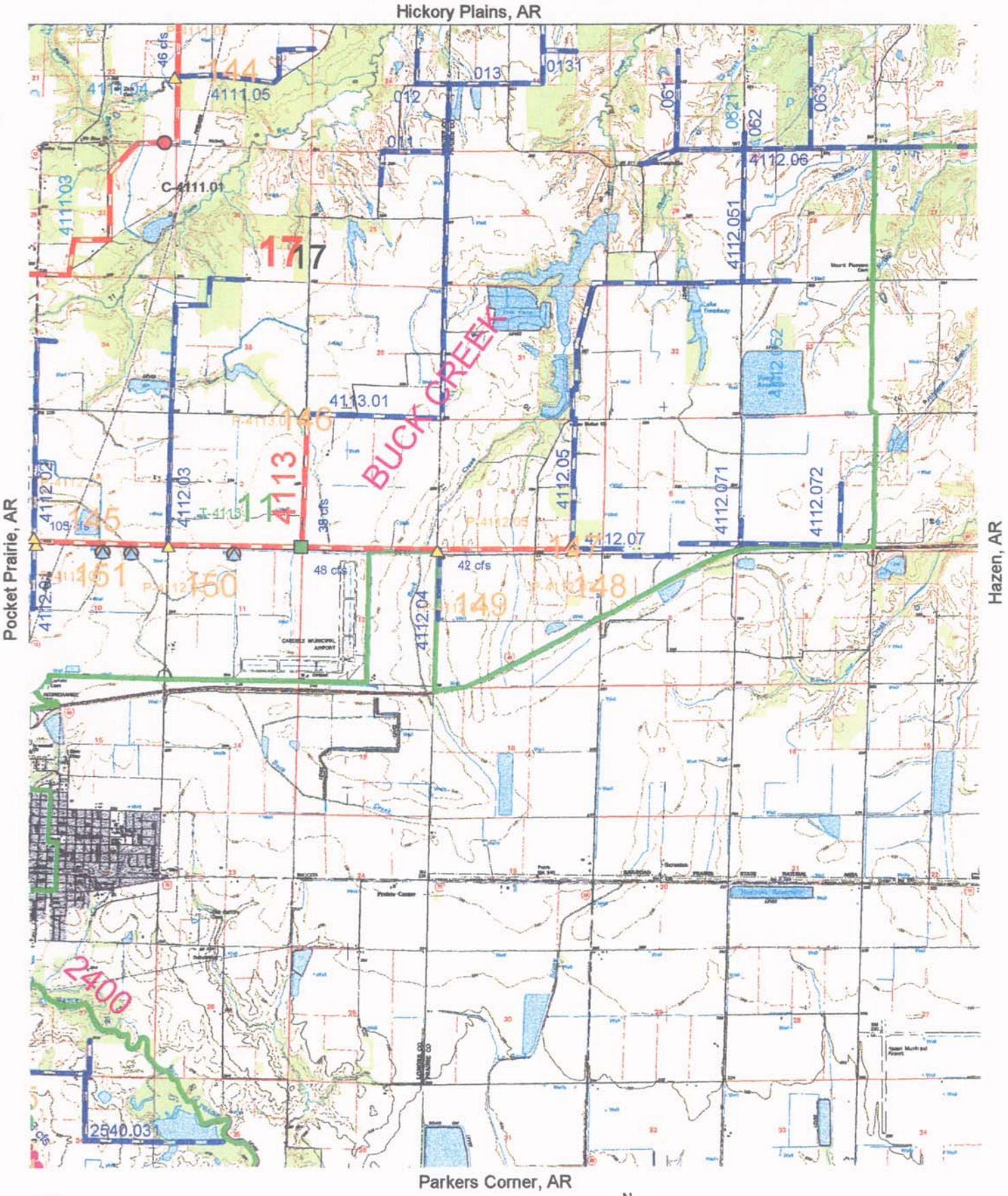
Moscow, AR

US Army Corps of Engineers
Memphis District

N

Altheimer, AR
Hydraulic Structures

SCALE=1:62,500



US Army Corps of Engineers
Memphis District

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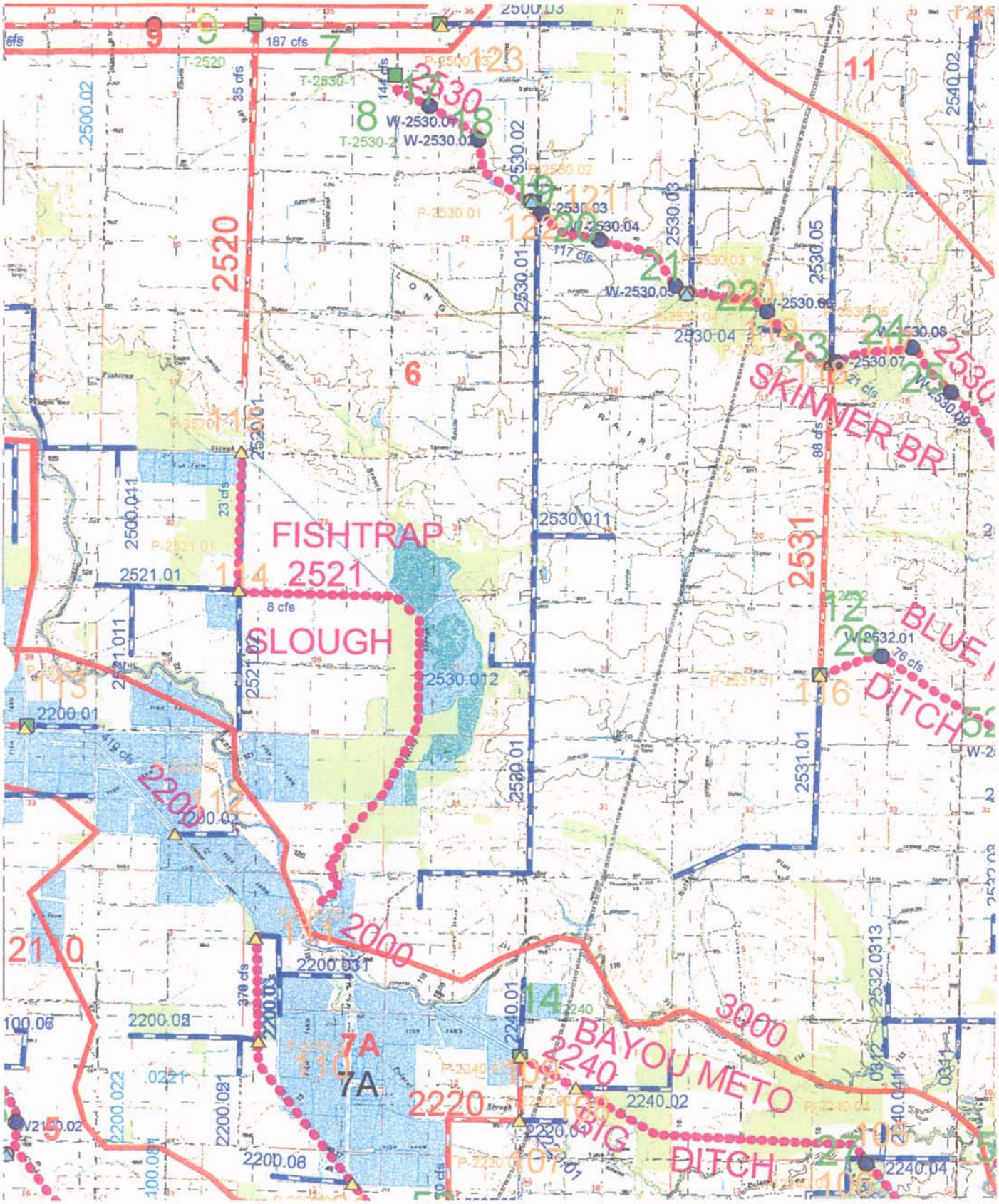
SCALE=1:62,500

Carlisle, AR
Hydraulic Structures

Pocket Prairie, AR



Humnoke, AR

Parkers Corner, AR

Vettus, AR

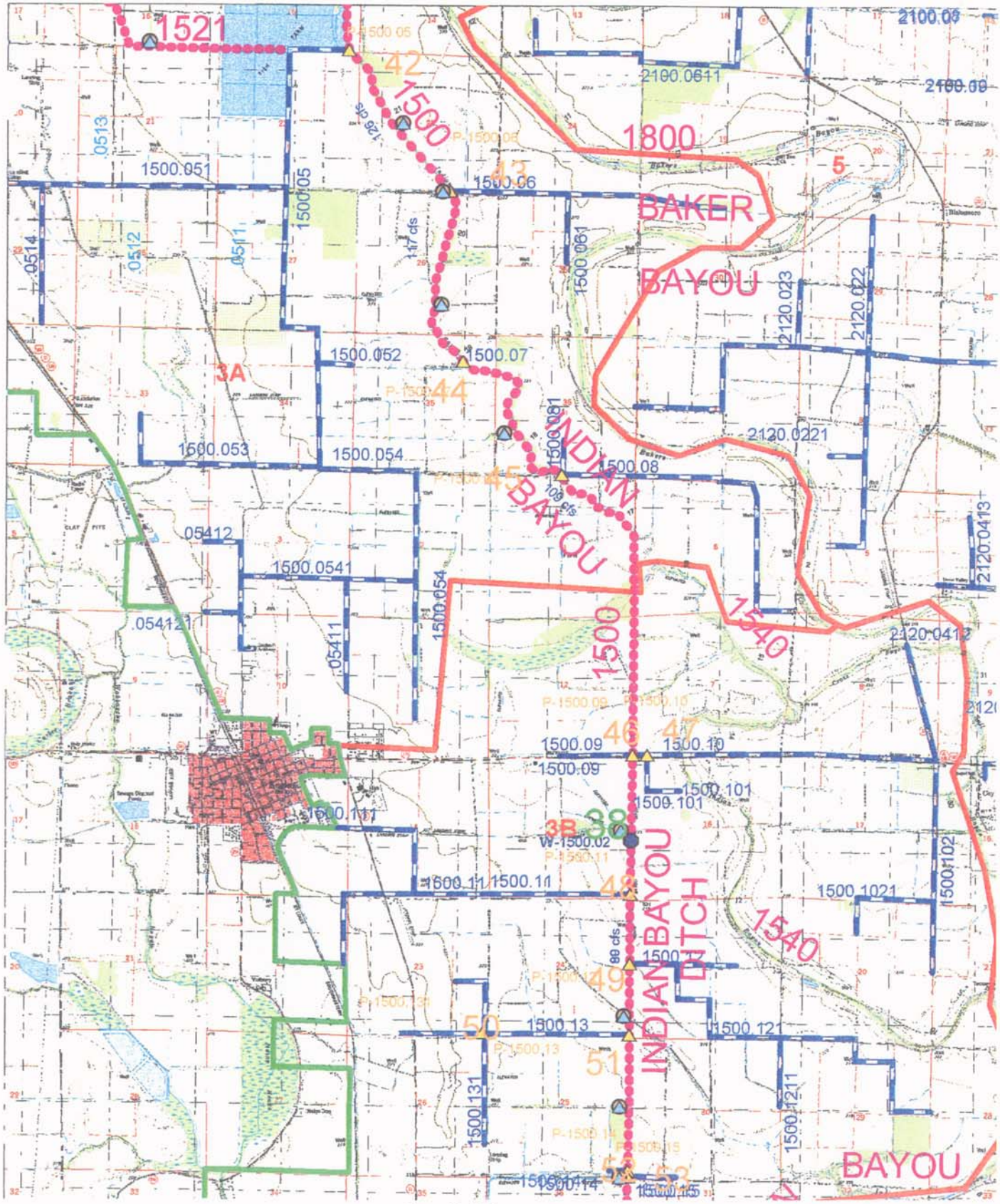
N

SCALE=1:62,500

US Army Corps of Engineers
Memphis District

Culler, AR
Hydraulic Structures

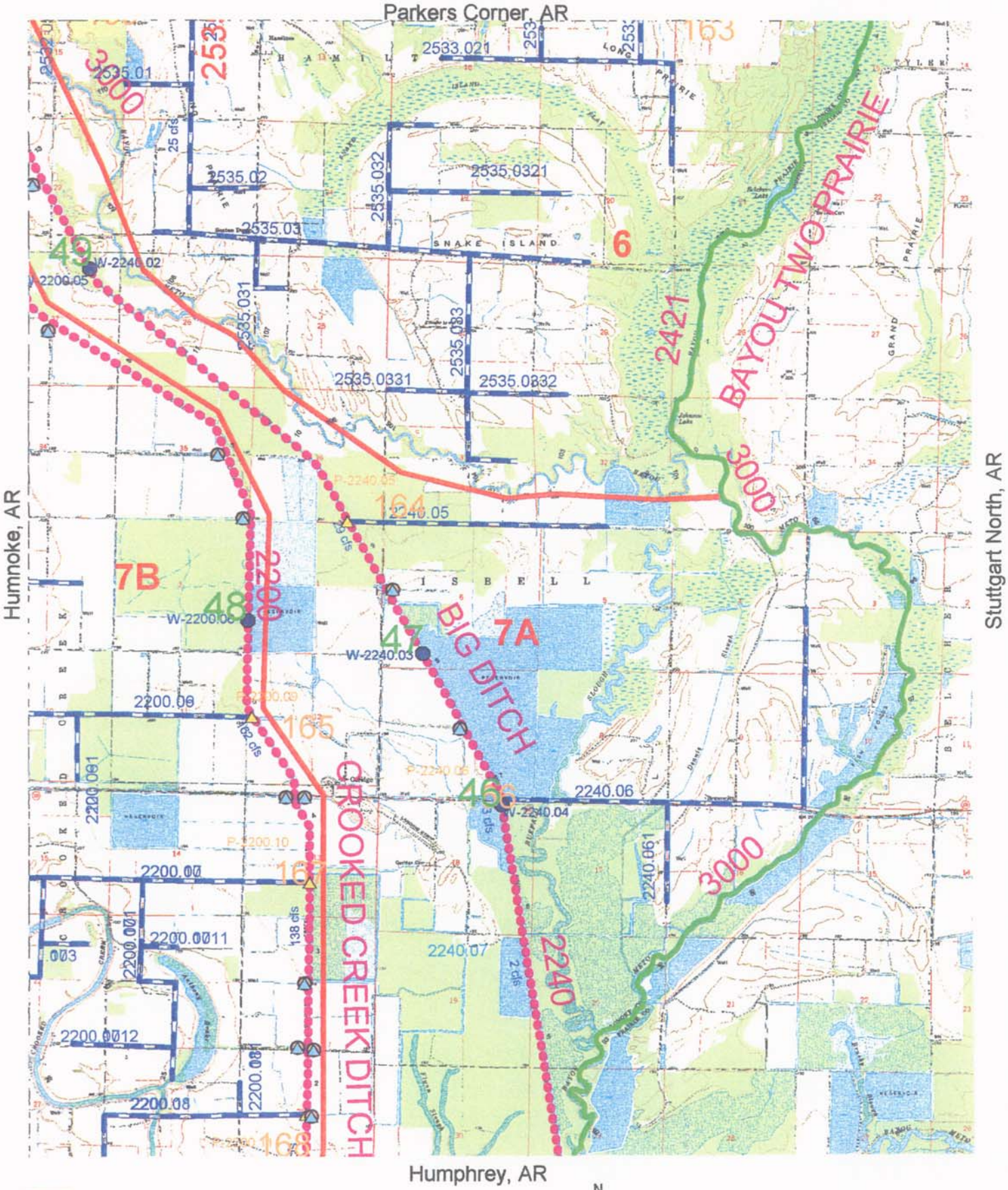
Pettus, AR



US Army Corps of Engineers
Memphis District

England, AR
Hydraulic Structures

SCALE=1:62,500



US Army Corps of Engineers
Memphis District

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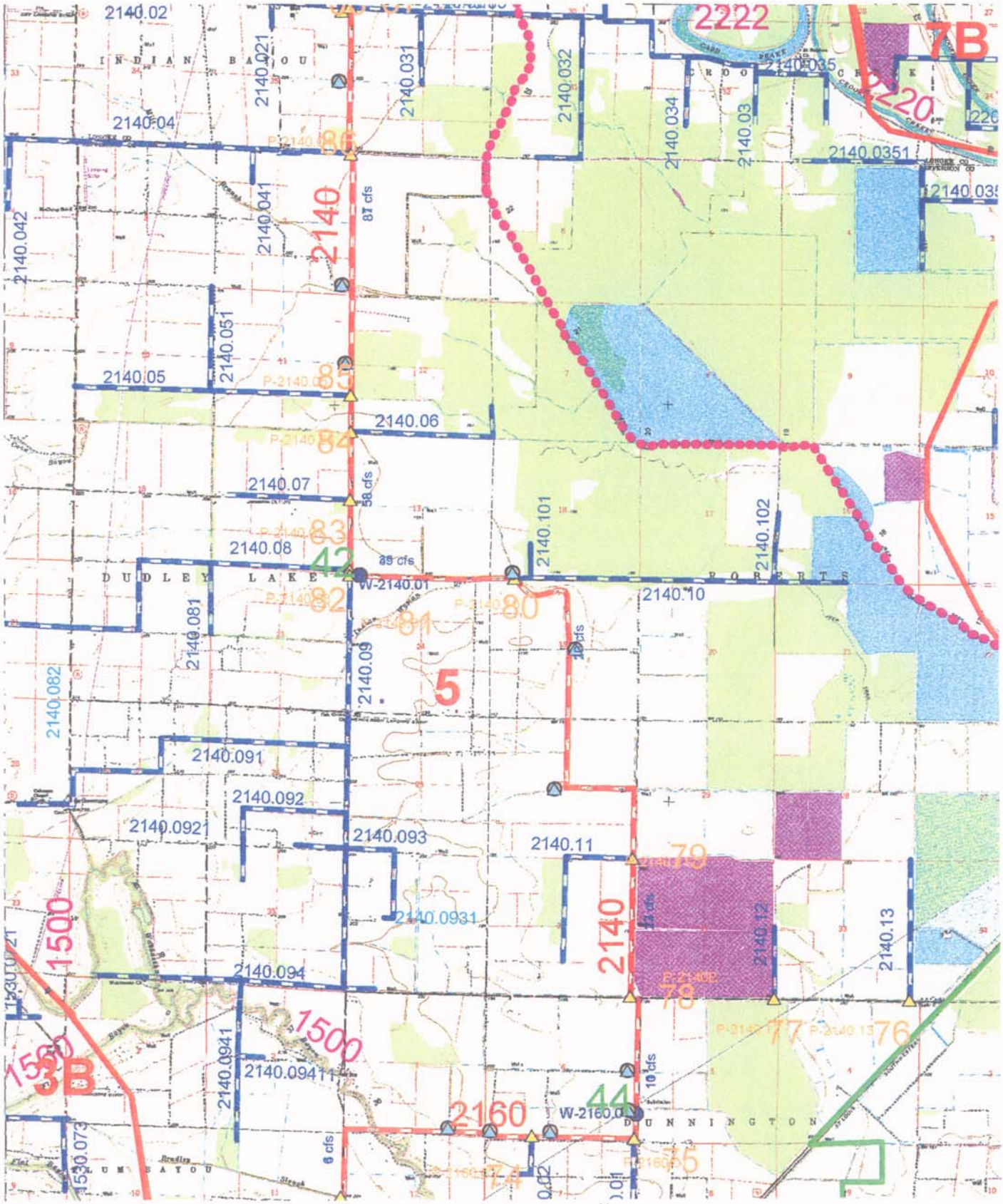
SCALE=1:62,500

Geridge, AR
Hydraulic Structures

Humnoke, AR



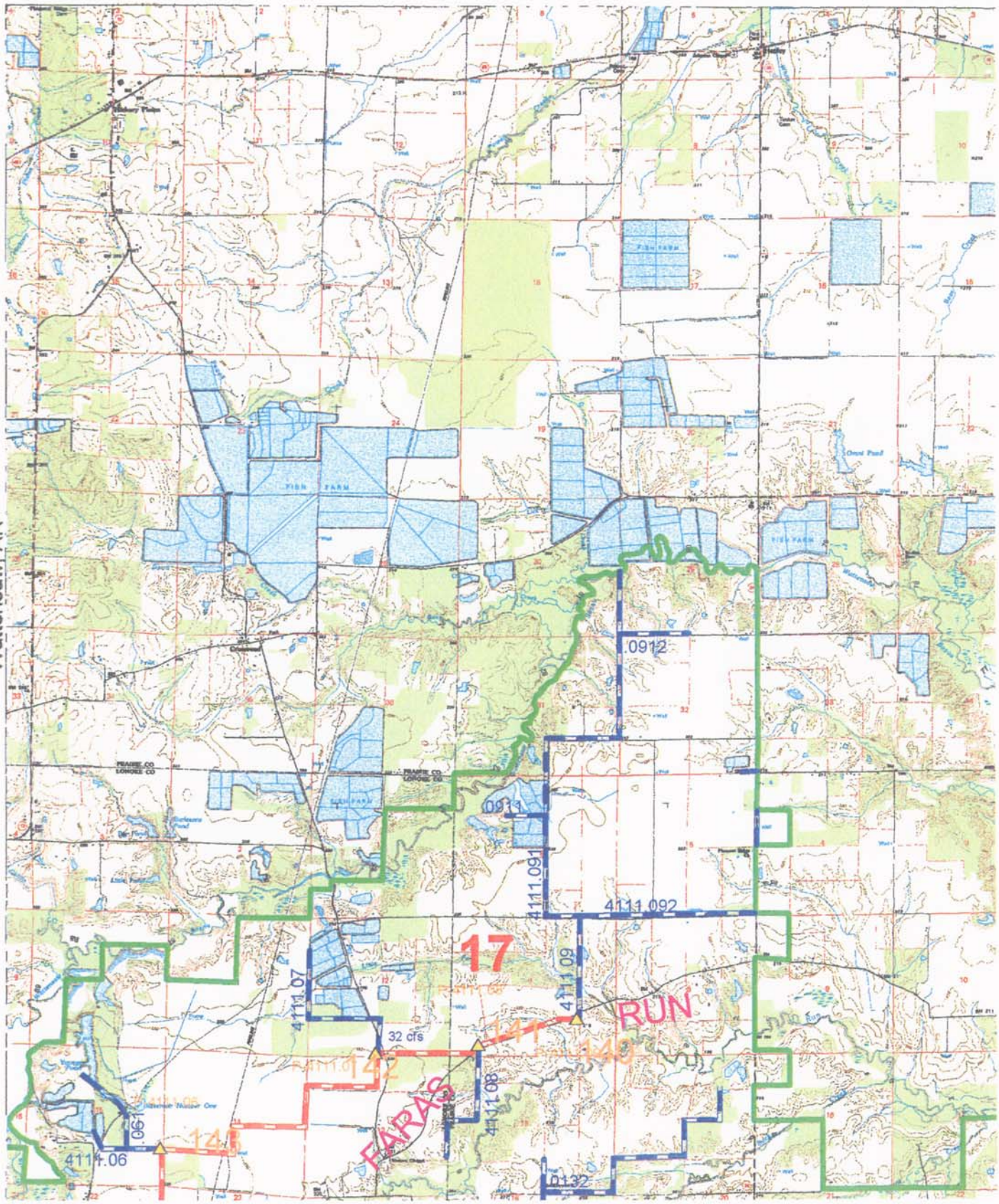
US Army Corps of Engineers
Memphis District

SCALE=1:62,500

Gethsemane, AR Hydraulic Structures

Walker, AR

Wattensaw, AR



Des Arc West, AR

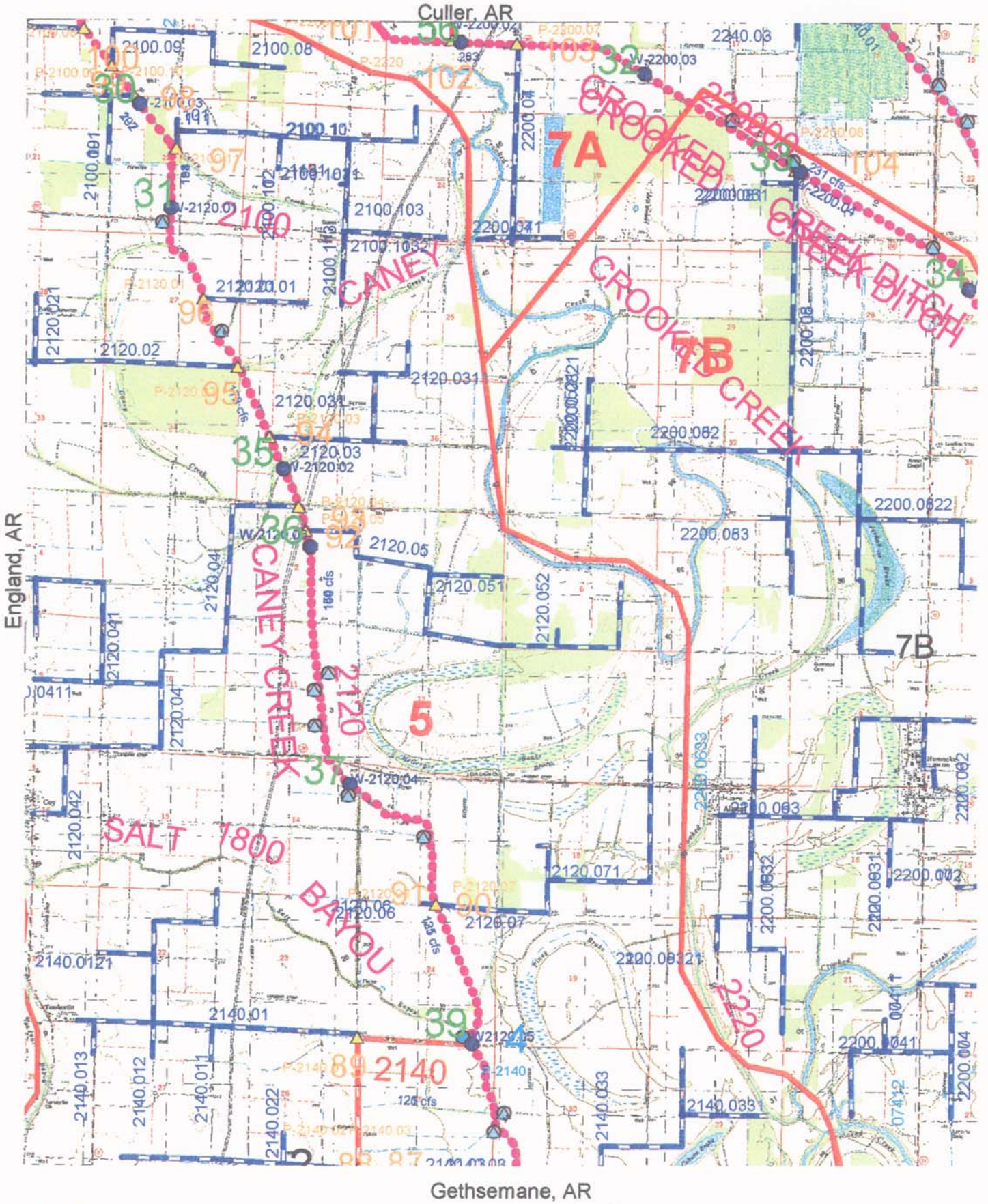
Carlisle, AR

US Army Corps of Engineers
Memphis District

N

Hickory Plains, AR
Hydraulic Structures

SCALE=1:62,500



US Army Corps of Engineers
Memphis District

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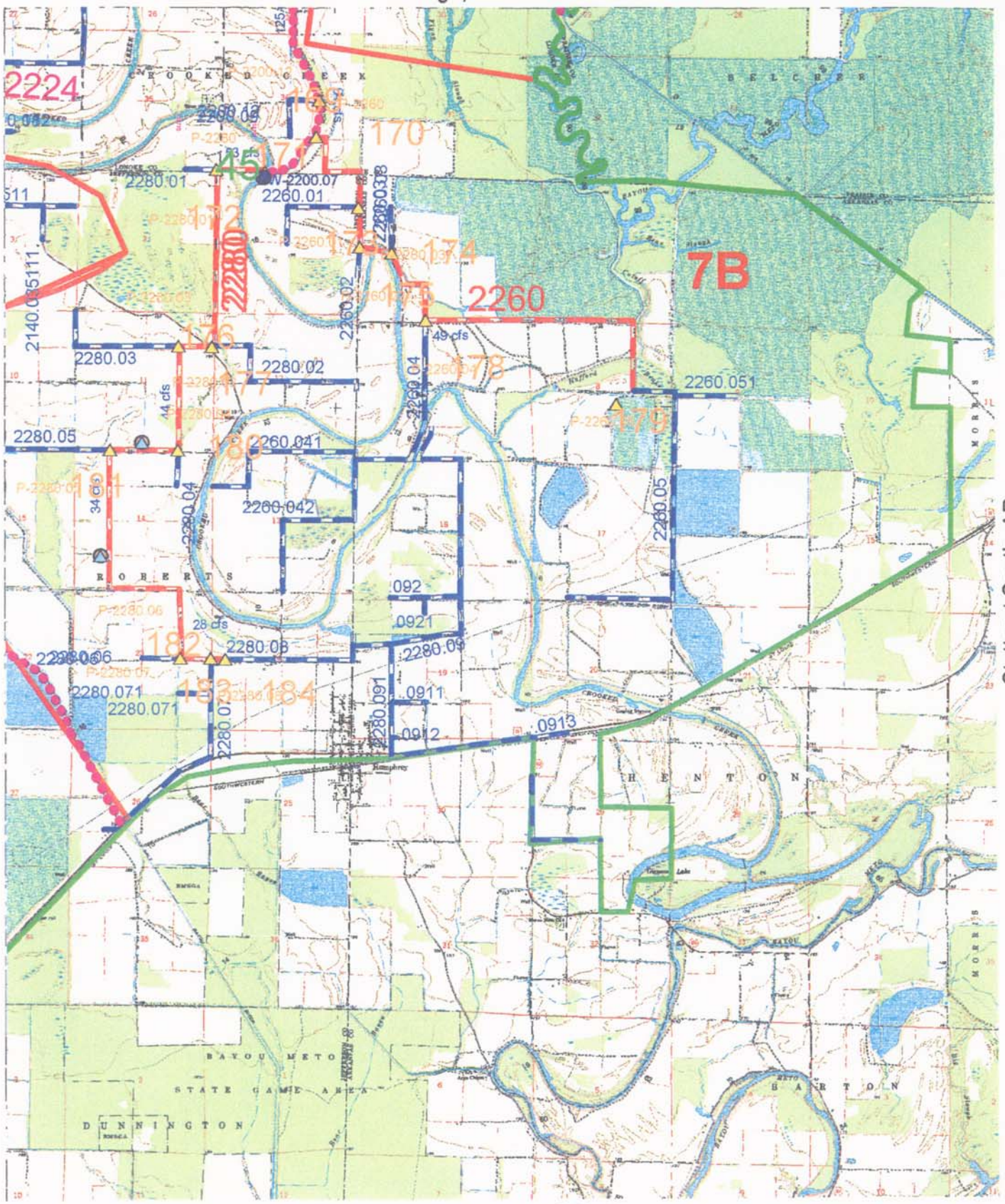
SCALE=1:62,500

Humnoke, AR
Hydraulic Structures

Geridge, AR

Gethsemane, AR



Stuttgart South, AR

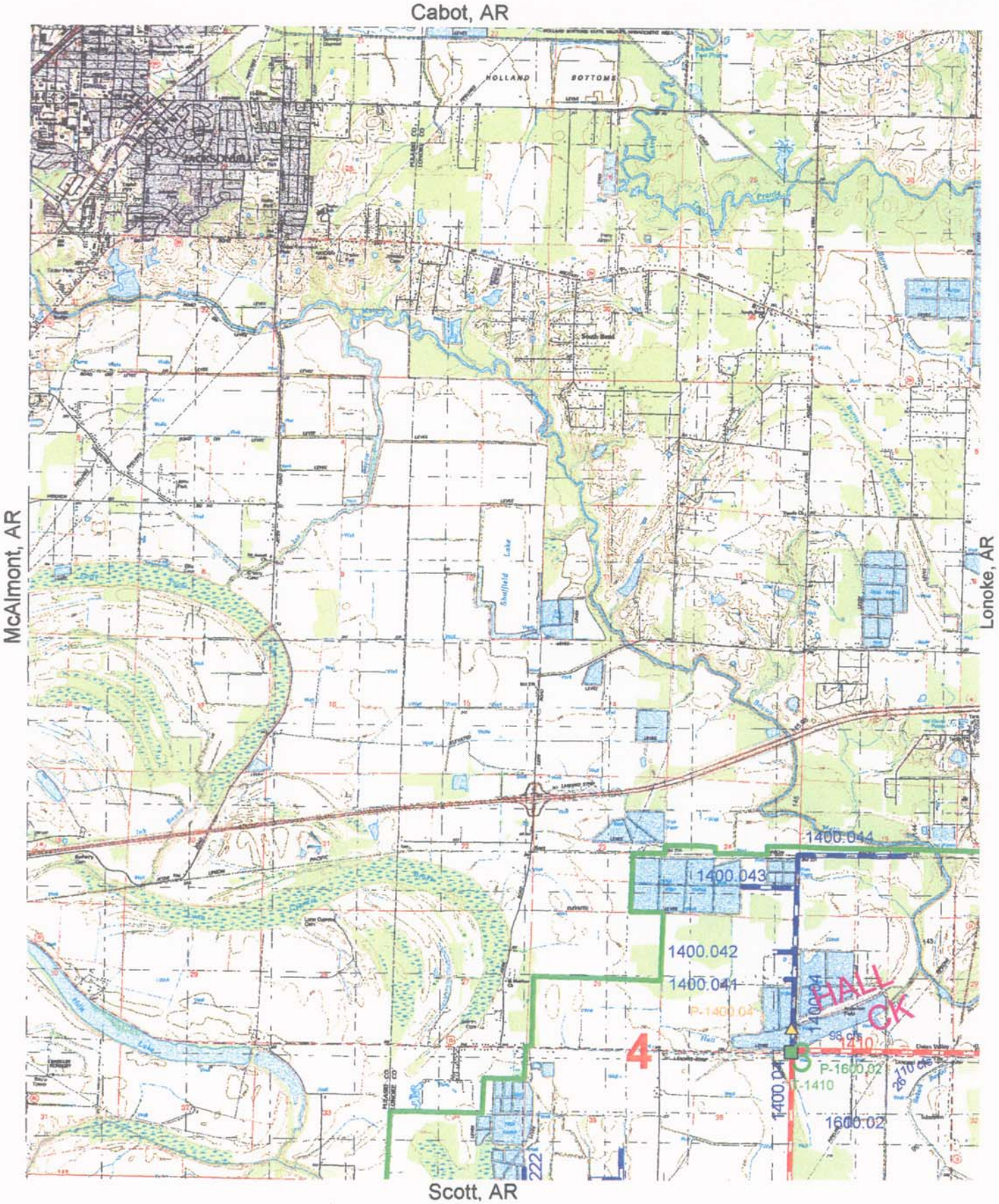
Humphrey SW, AR

US Army Corps of Engineers
Memphis District

N

Humphrey NW, AR Hydraulic Structures

SCALE=1:62,500



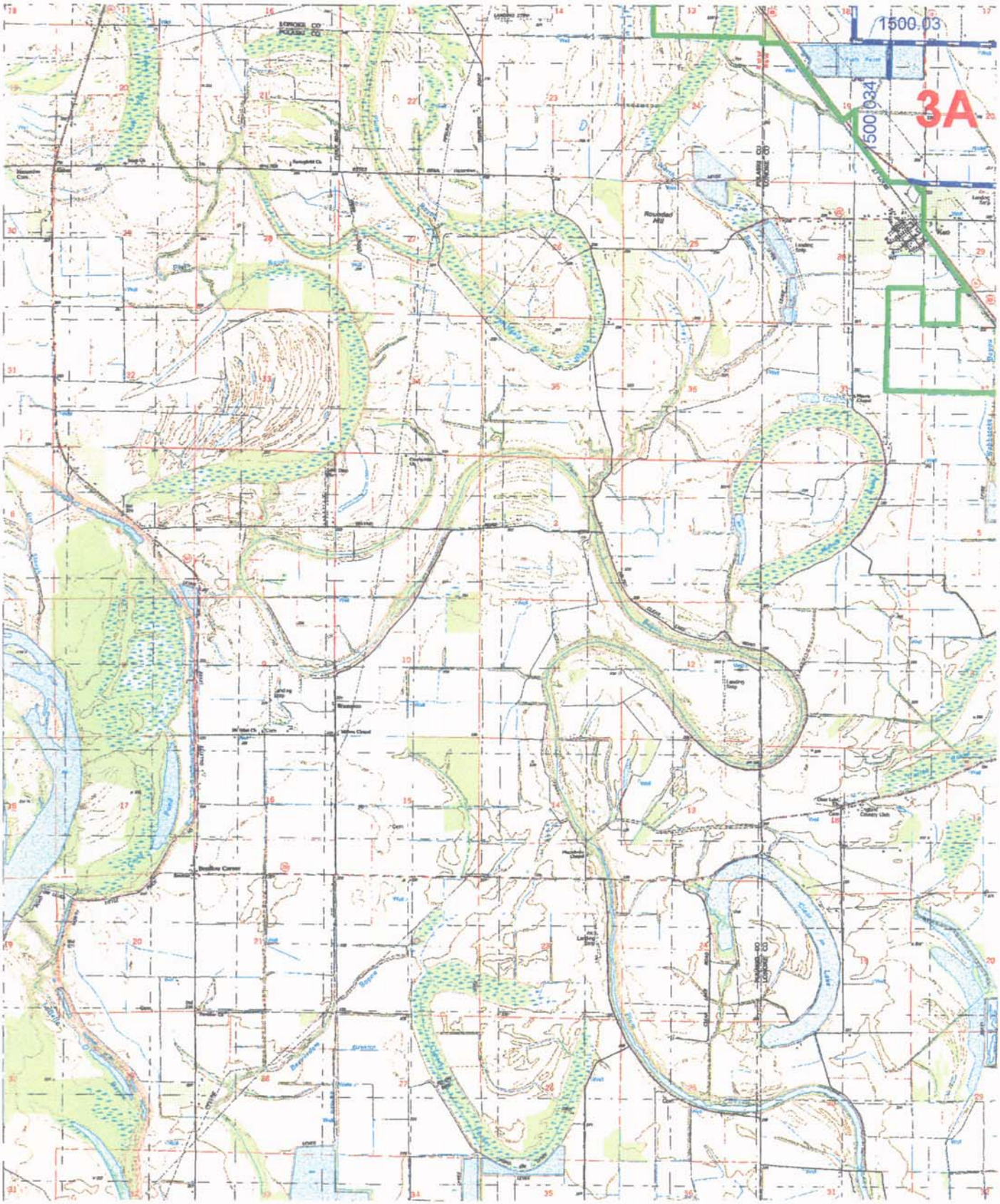
US Army Corps of Engineers
Memphis District

N

Jacksonville, AR
Hydraulic Structures

SCALE=1:62,500

Scott, AR



Woodson, AR

England, AR

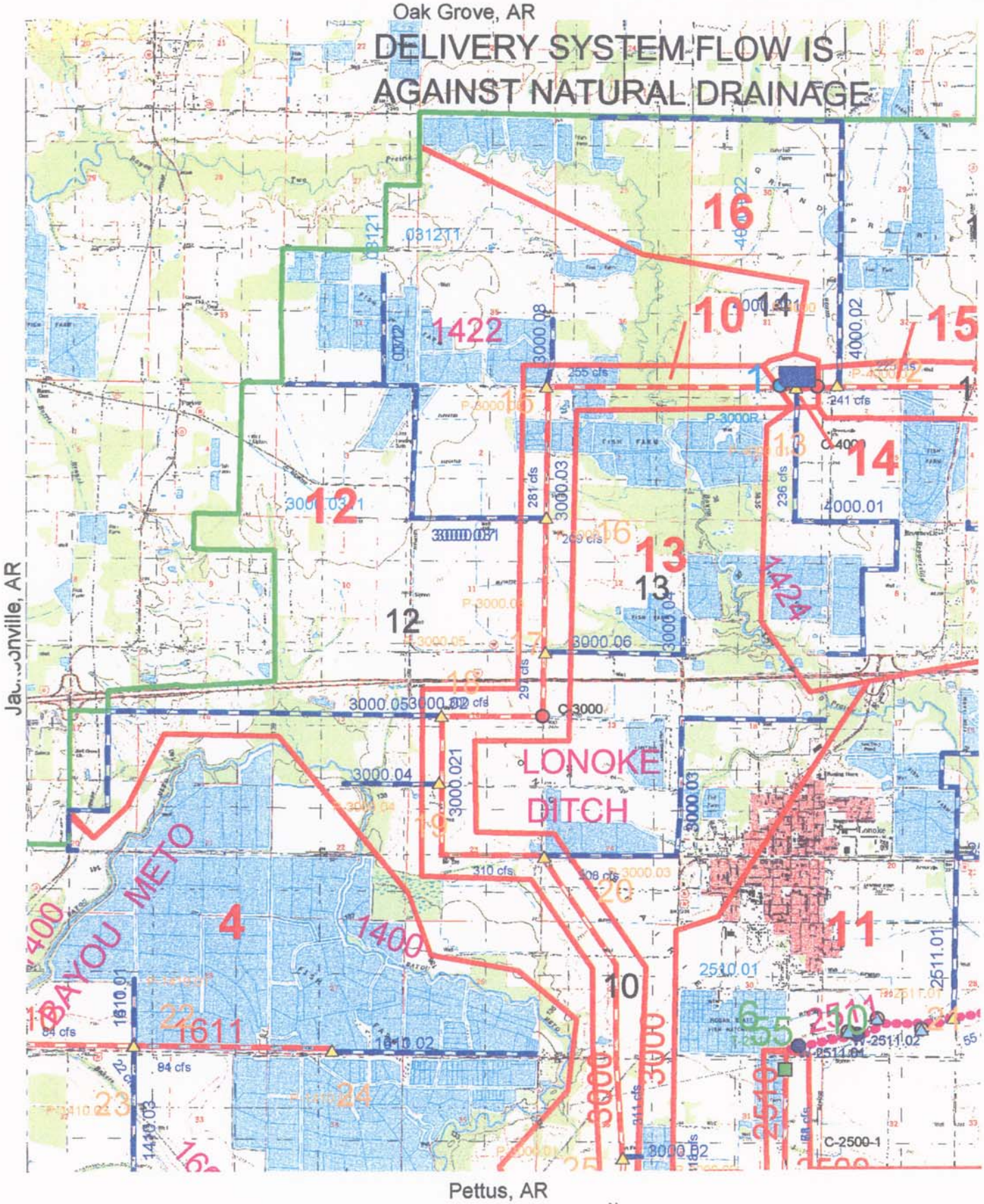
Wright, AR

US Army Corps of Engineers
Memphis District

N

SCALE=1:62,500

Keo, AR
Hydraulic Structures

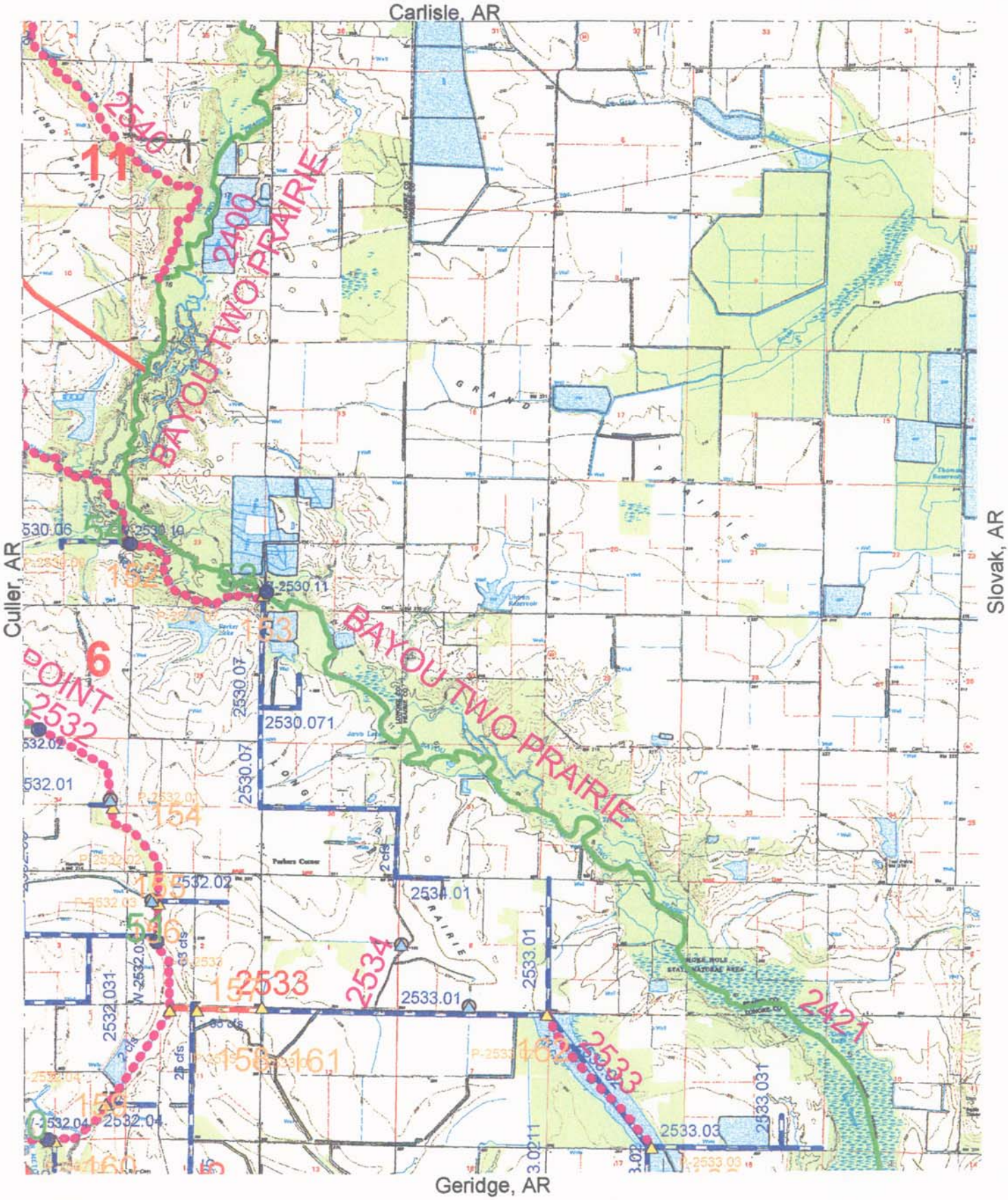


US Army Corps of Engineers
Memphis District

N

SCALE=1:62,500

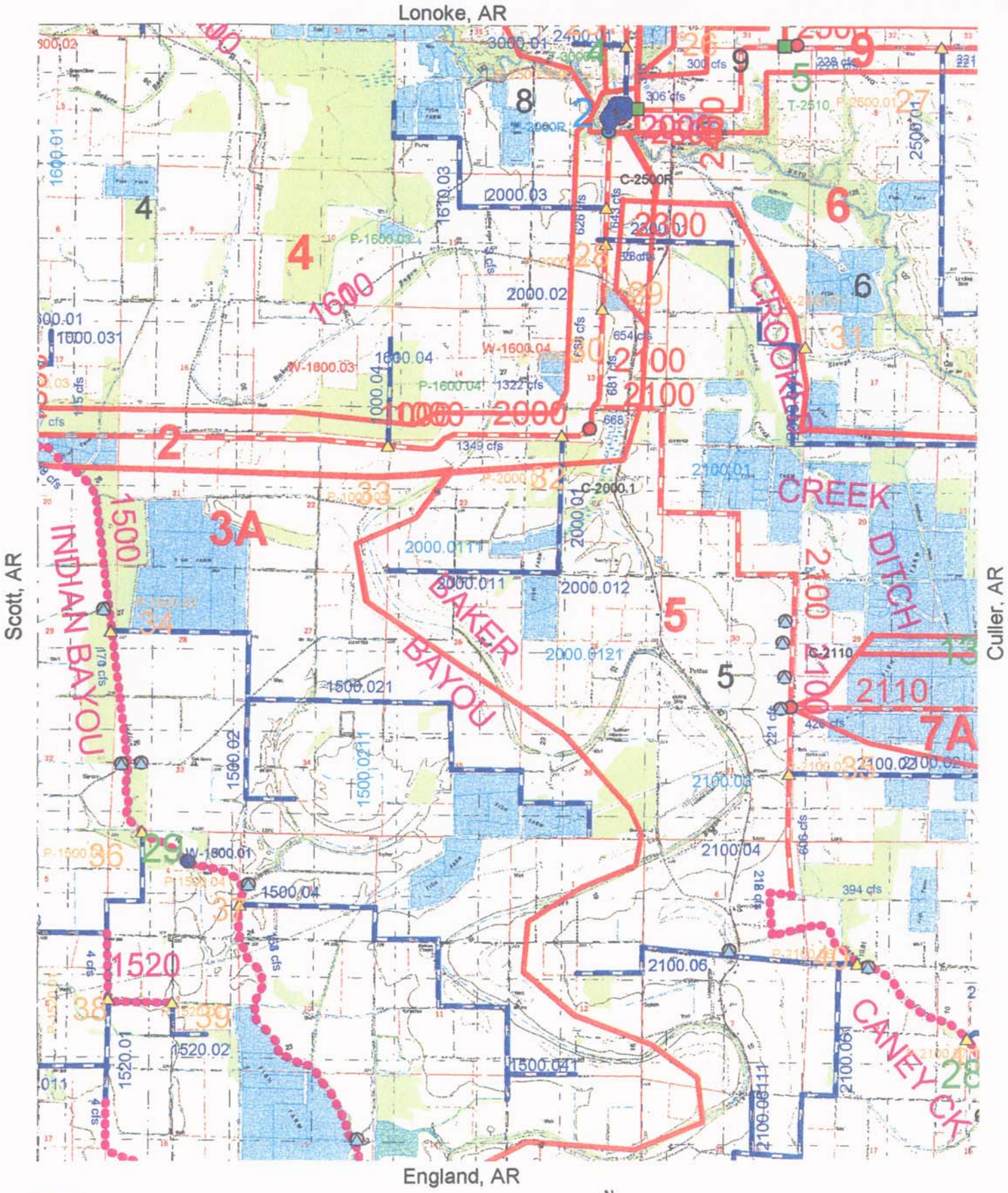
Lonoke, AR
Hydraulic Structures



US Army Corps of Engineers
Memphis District

Parkers Corner, AR
Hydraulic Structures

SCALE=1:62,500

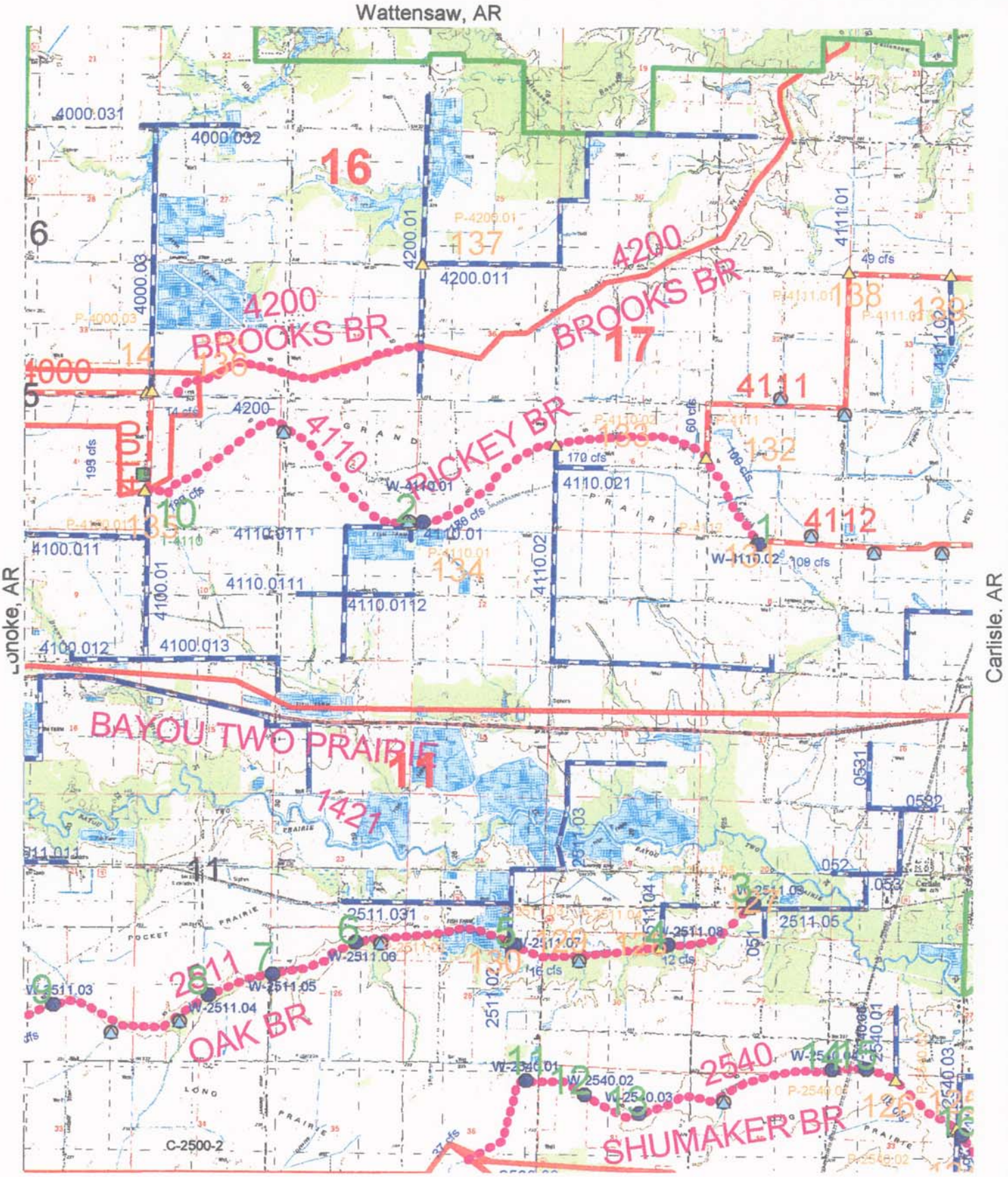


US Army Corps of Engineers
Memphis District

N

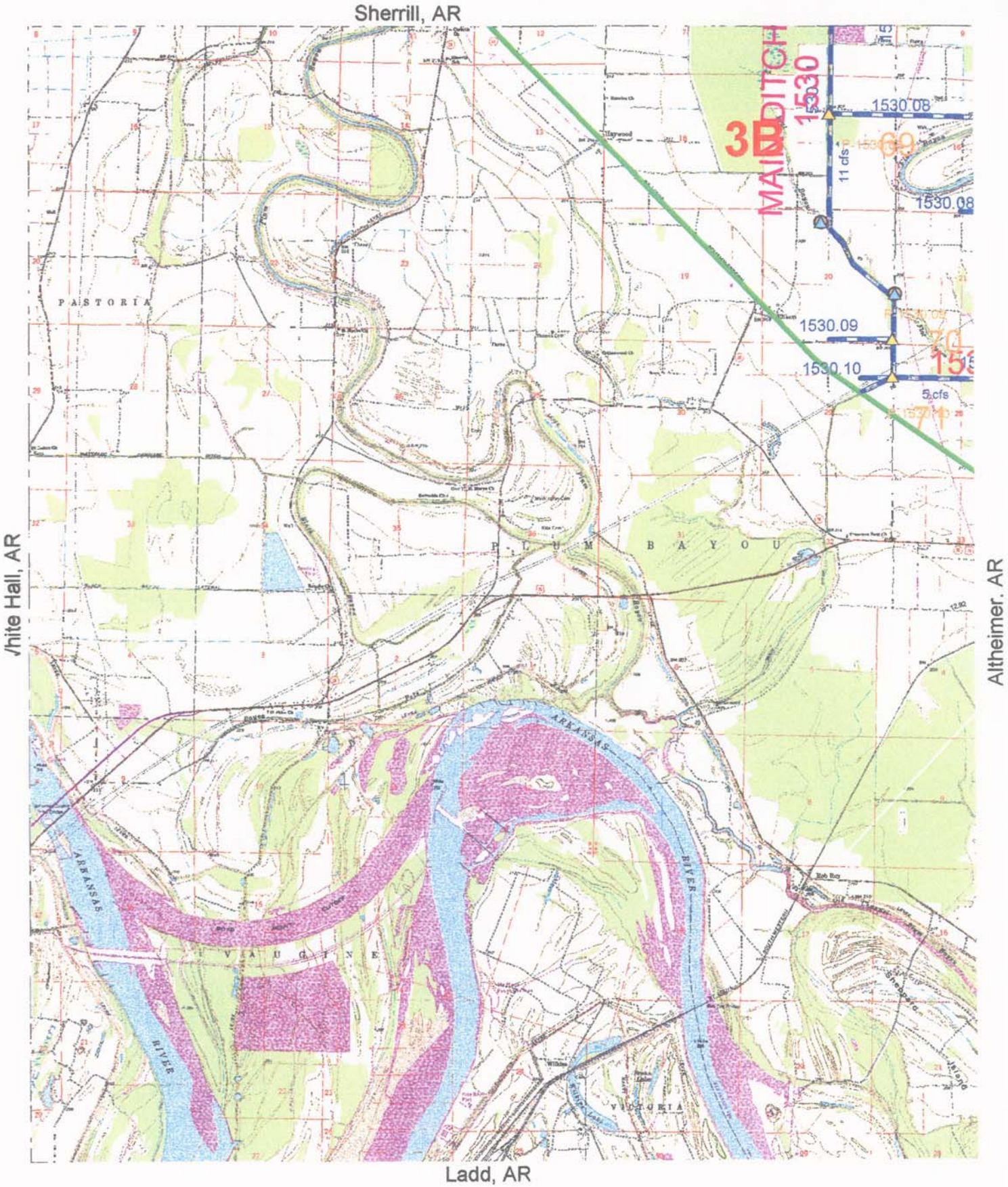
SCALE=1:62,500

Pettus, AR
Hydraulic Structures



US Army Corps of Engineers
Memphis District

Pocket Prairie, AR Hydraulic Structures



US Army Corps of Engineers
Memphis District

N

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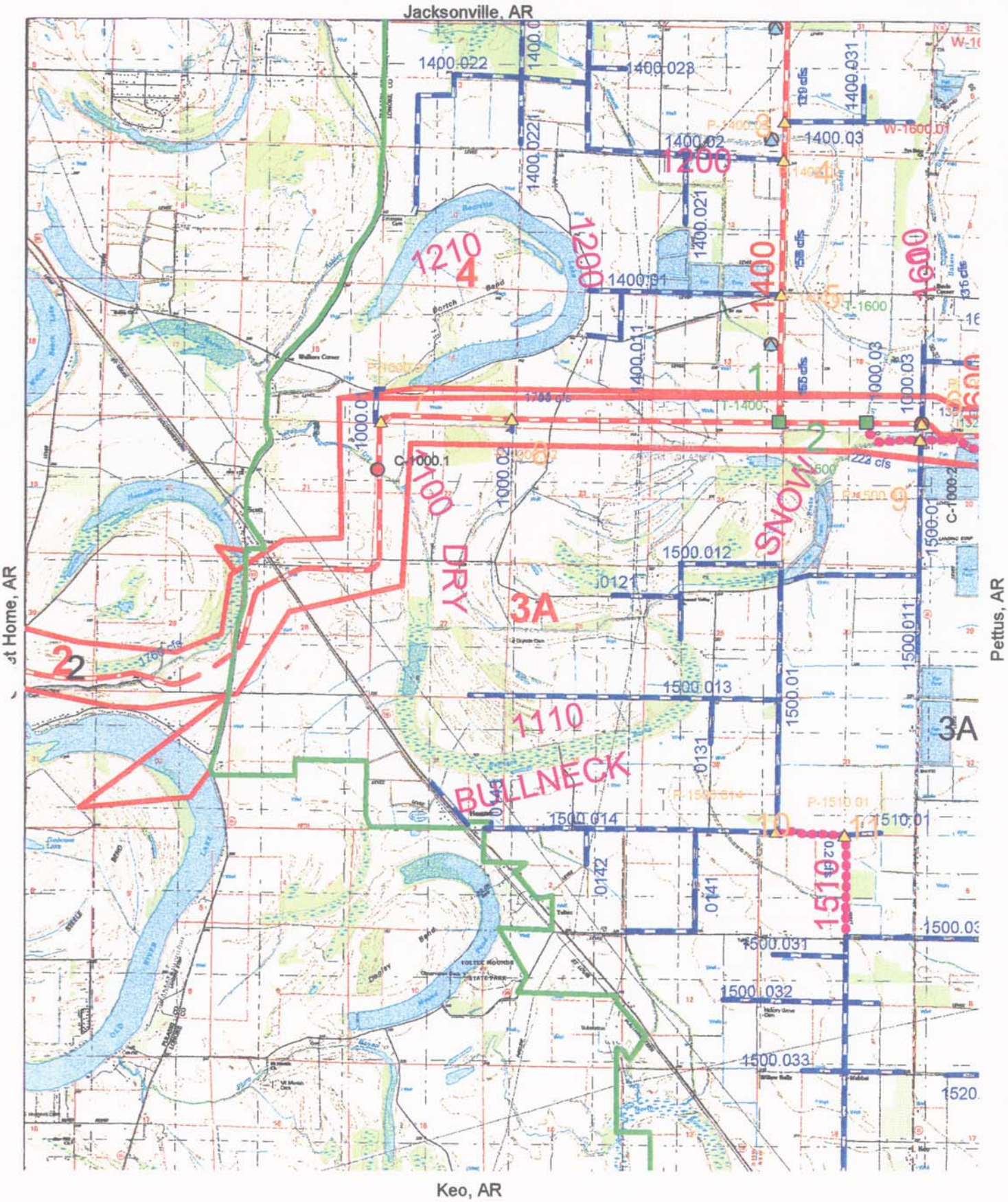
Rob Roy, AR
Hydraulic Structures

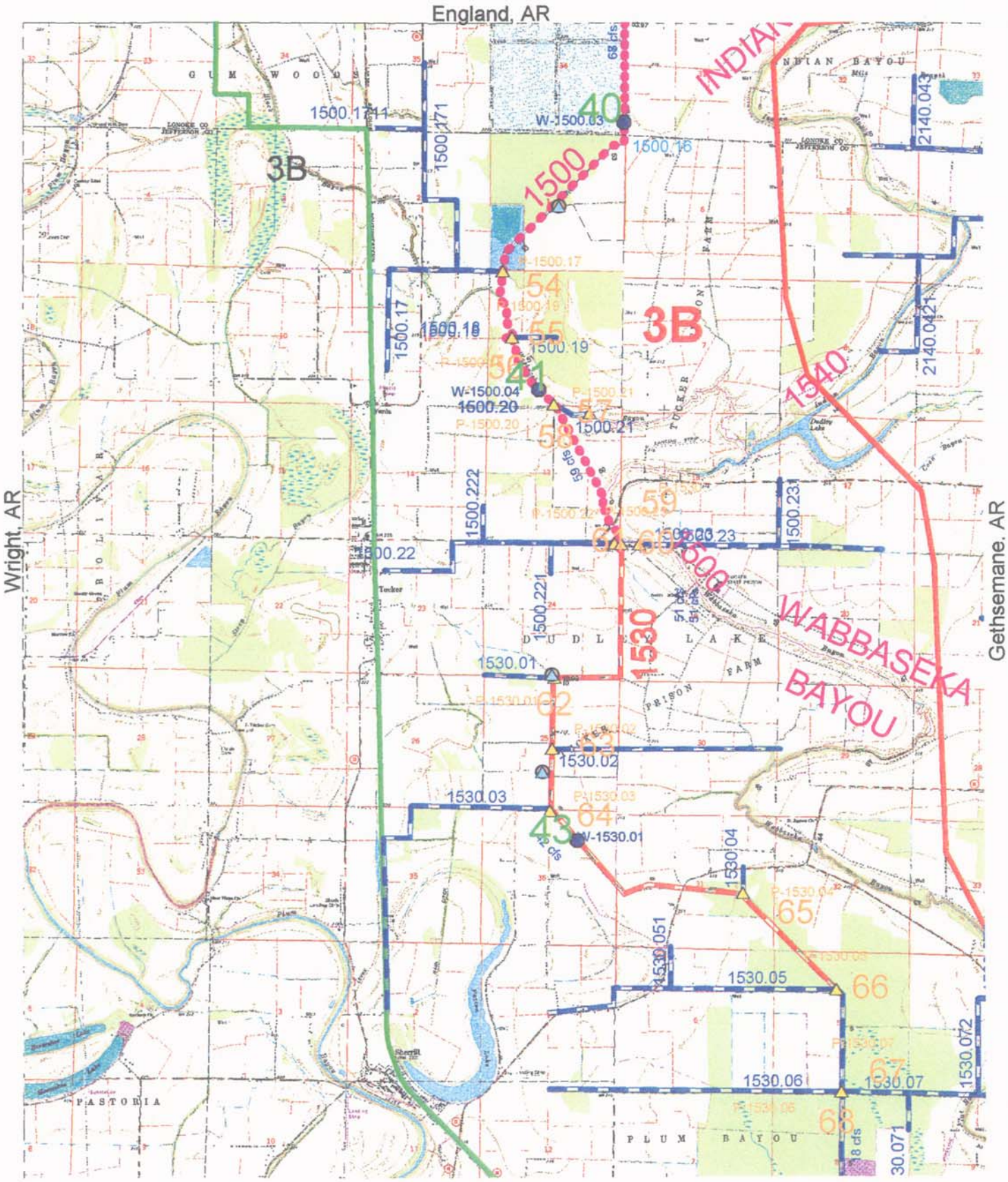


US Army Corps of Engineers
Memphis District

N

Scott, AR
Hydraulic Structures

SCALE=1:62,500



US Army Corps of Engineers
Memphis District

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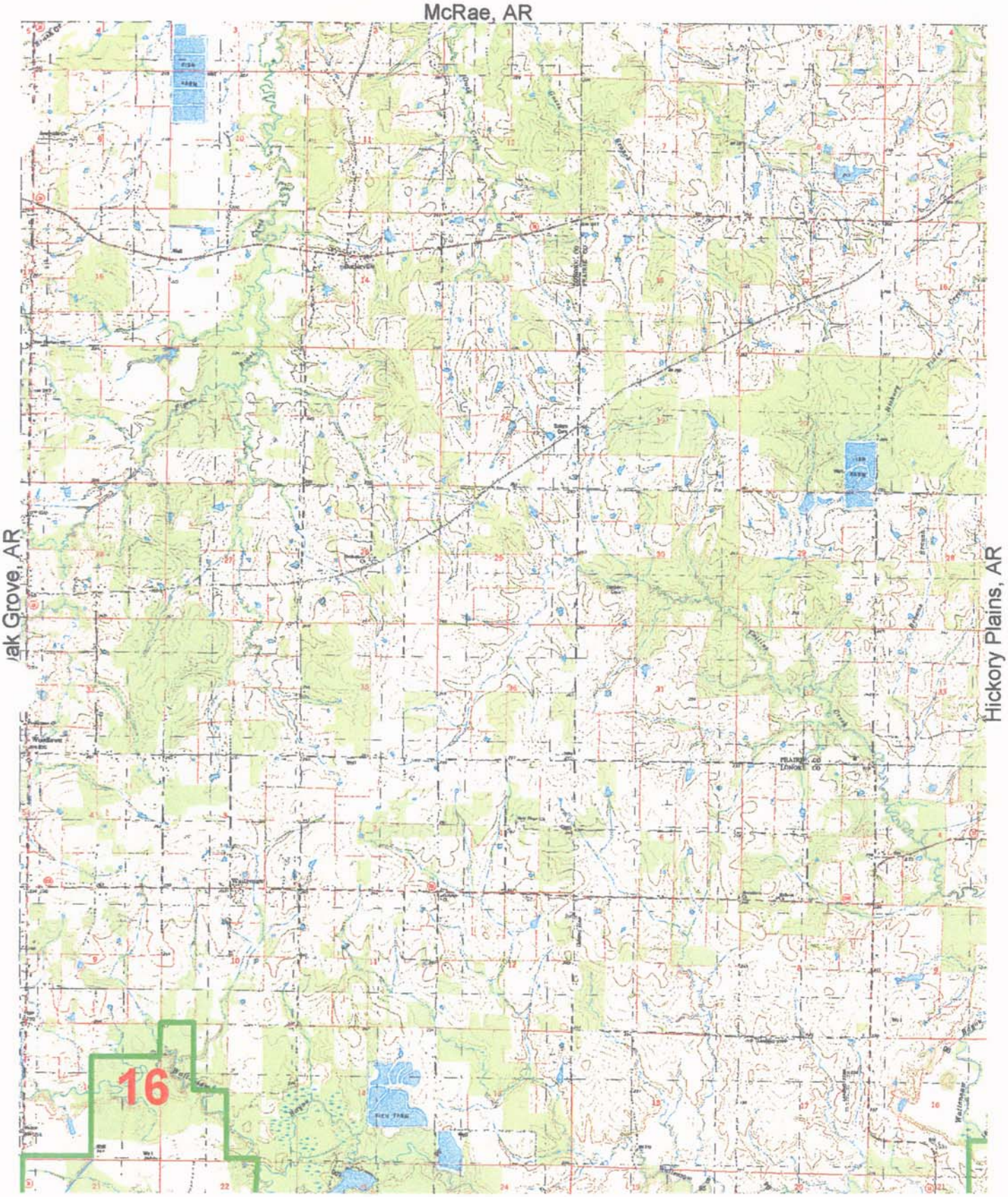
Sherrill, AR
Hydraulic Structures



US Army Corps of Engineers
Memphis District

N

SCALE=1:62,500

Wattensaw, AR
Hydraulic Structures

LAND USE/ LAND COVER & WETLANDS

Landuse/Landcover & Wetlands

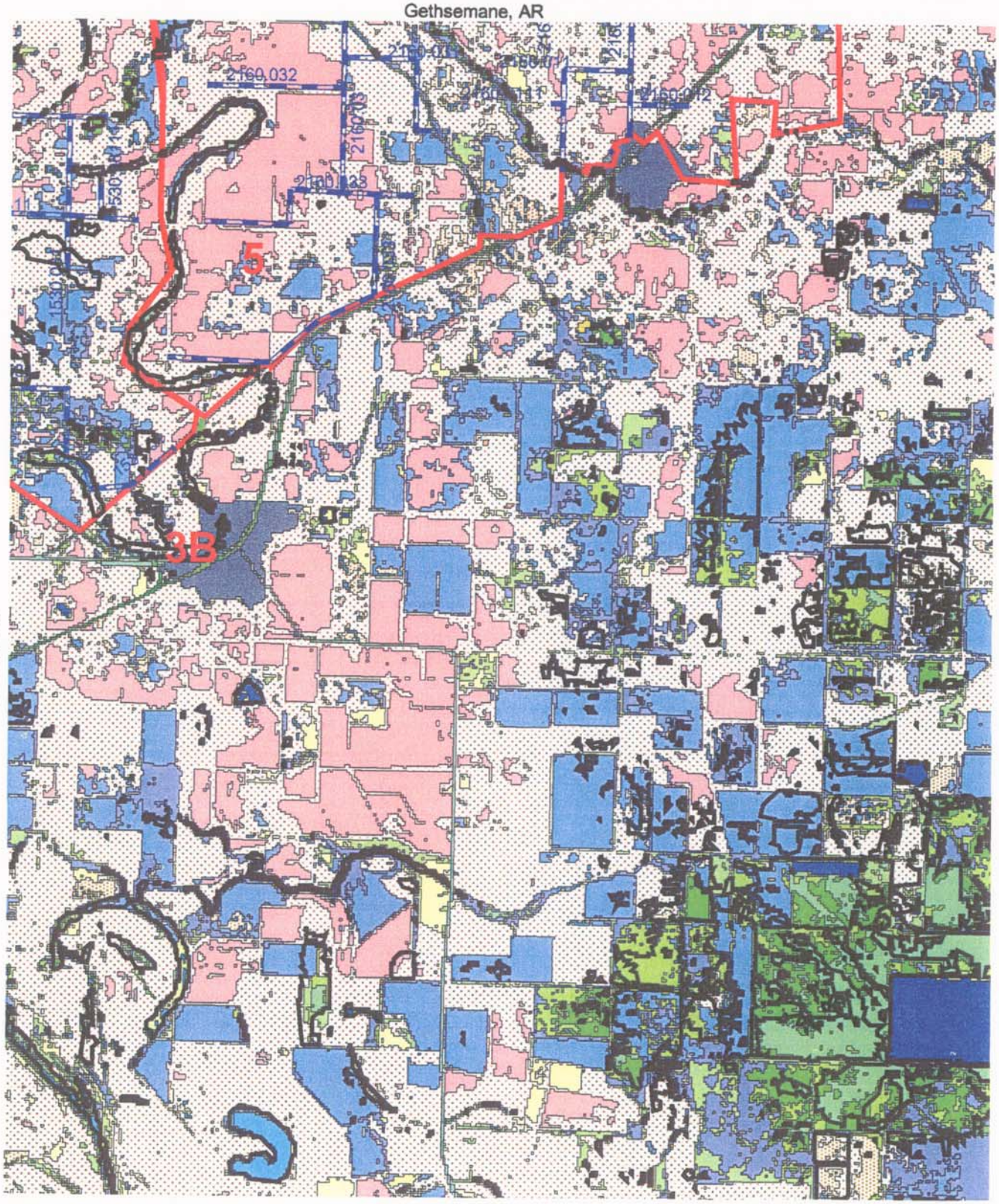
- Wetlands Delineation
- Ditches
- Pipelines
- Canals
- Construction Reaches
- Bayou Meto Improvement Project Area

Landuse/Landcover

- Airport
- BLH1
- BLH2
- BLH3
- Bare Soil
- Corn/Milo
- Cotton
- Herbaceaous
- Lake
- Mixed Upland
- Other Cropland
- Pasture/Fallow
- Pond
- Pond Levees
- Railroad
- Rice
- River
- Roads
- Seasonal
- Soy Beans
- Unclassed
- Upland Hardwood
- Upland Mixed
- Upland Pine
- Urban1
- Water

Gethsemane, AR

Rob Roy, AR



Humphrey SW, AR

Moscow, AR

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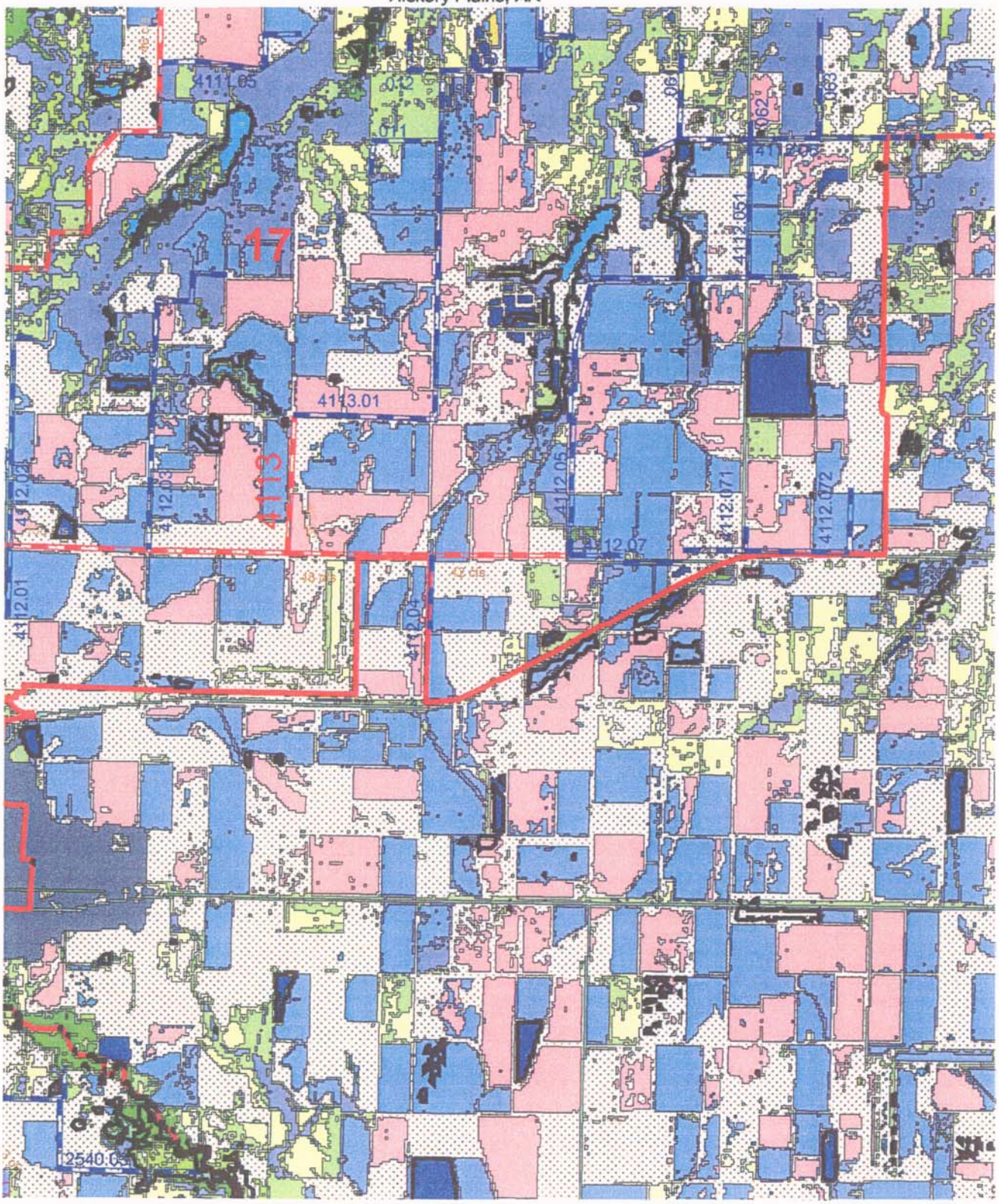
SCALE=1:62,500

Altheimer, AR
Landuse/Wetlands

Hickory Plains, AR



Pocket Prairie, AR

Parkers Corner, AR

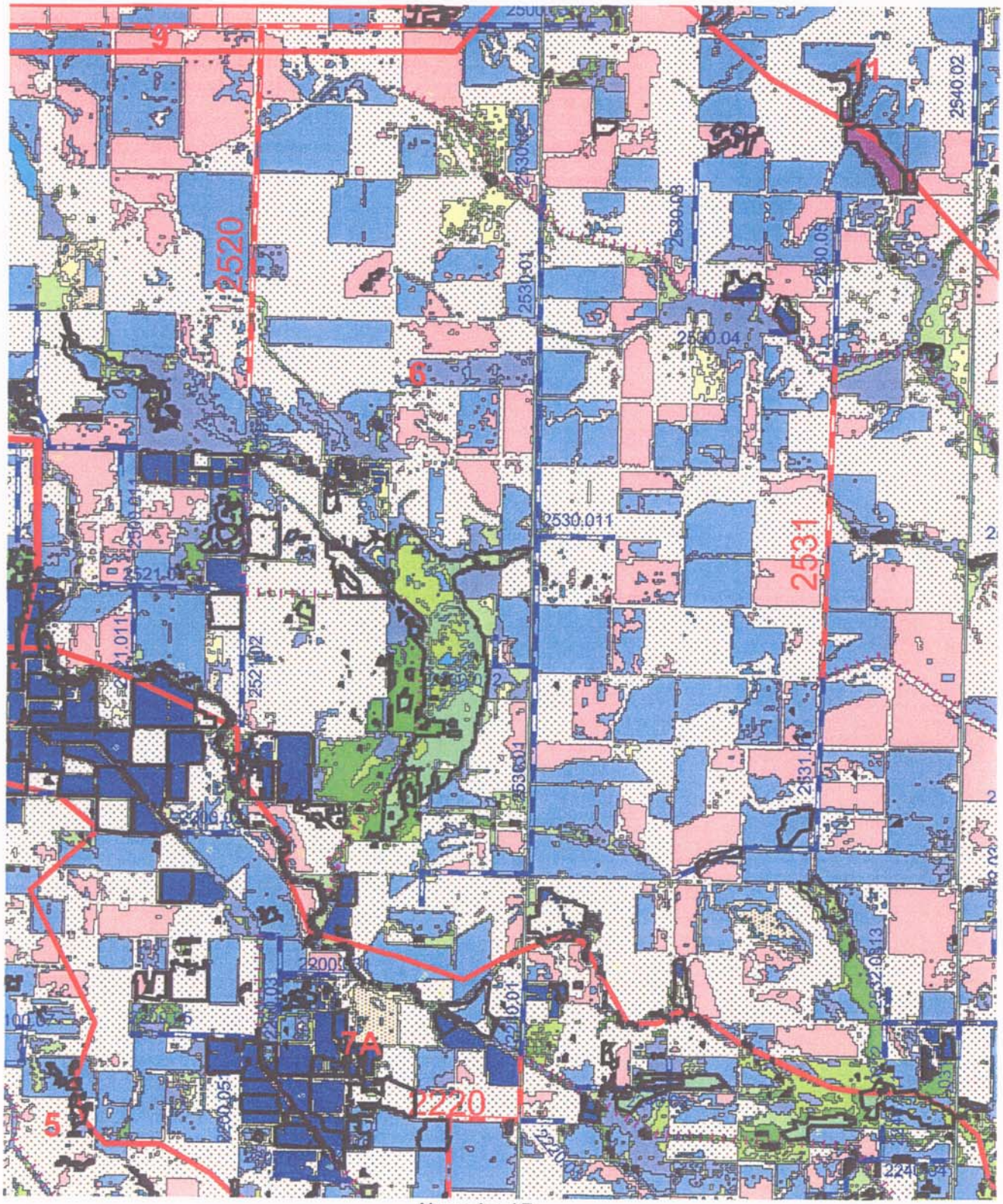
US Army Corps of Engineers Memphis District

N

SCALE=1:62,500

Carlisle, AR
Landuse/Wetlands

Pocket Prairie, AR



Pettus, AR

Parkers Corner, AR

Humnoke, AR

US Army Corps of Engineers
Memphis District

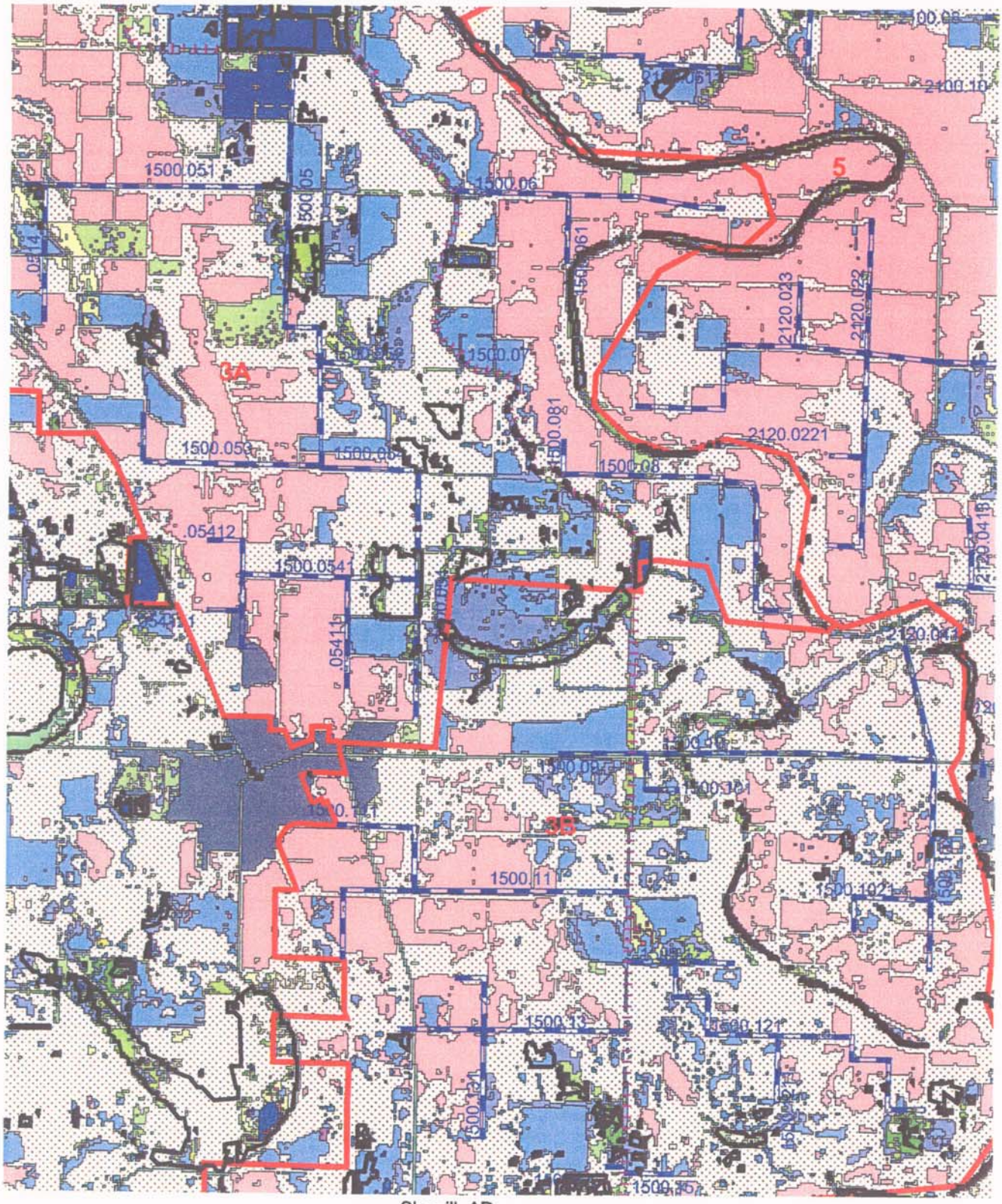
N

SCALE=1:62,500

Culler, AR
Landuse/Wetlands

Pettus, AR

Keo, AR



Humnoke, AR

Sherrill, AR

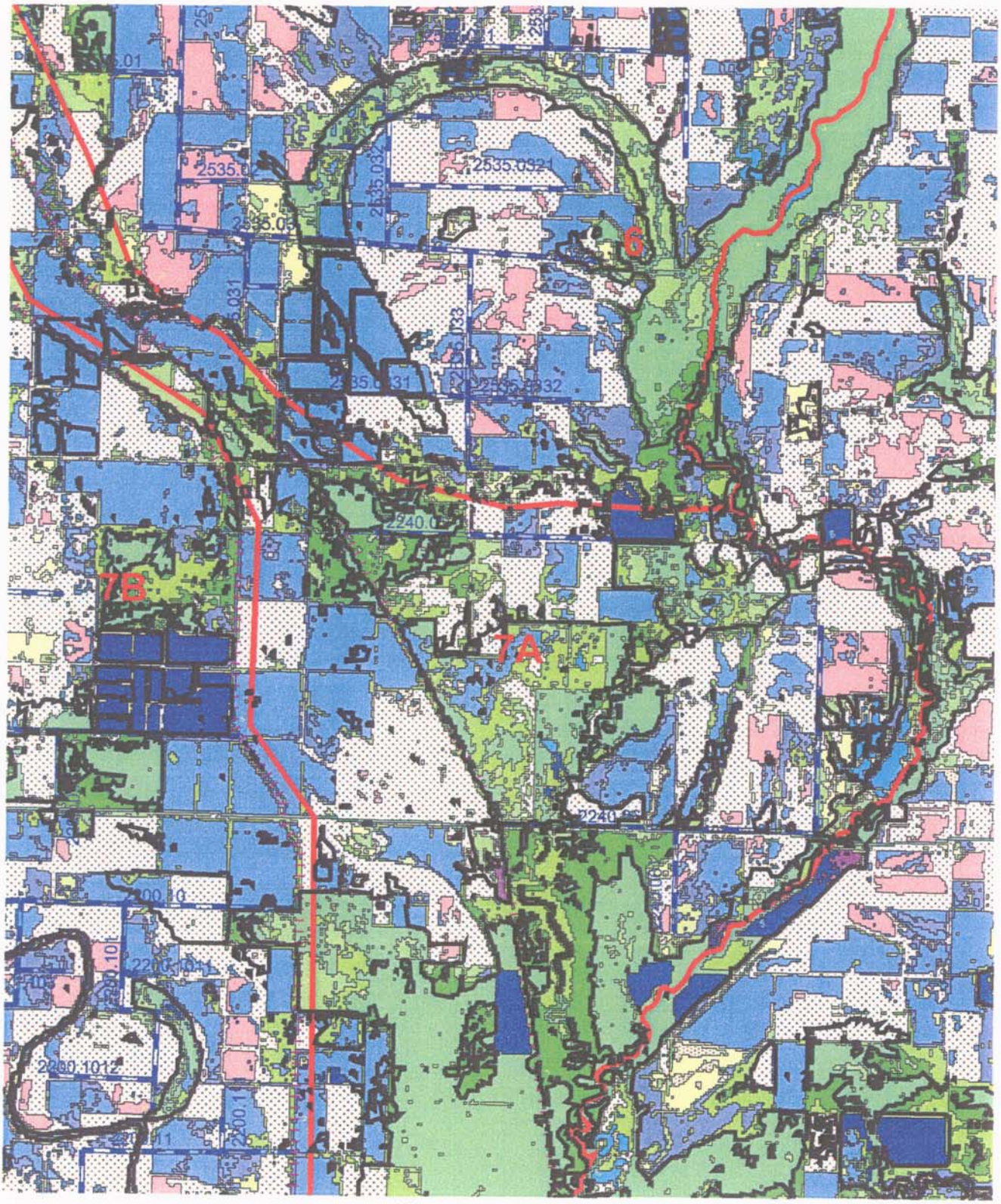
N

SCALE=1:62,500

England, AR
Landuse/Wetlands

Parkers Corner, AR

Humnoke, AR



Stuttgart North, AR

Humphrey, AR

US Army Corps of Engineers
Memphis District

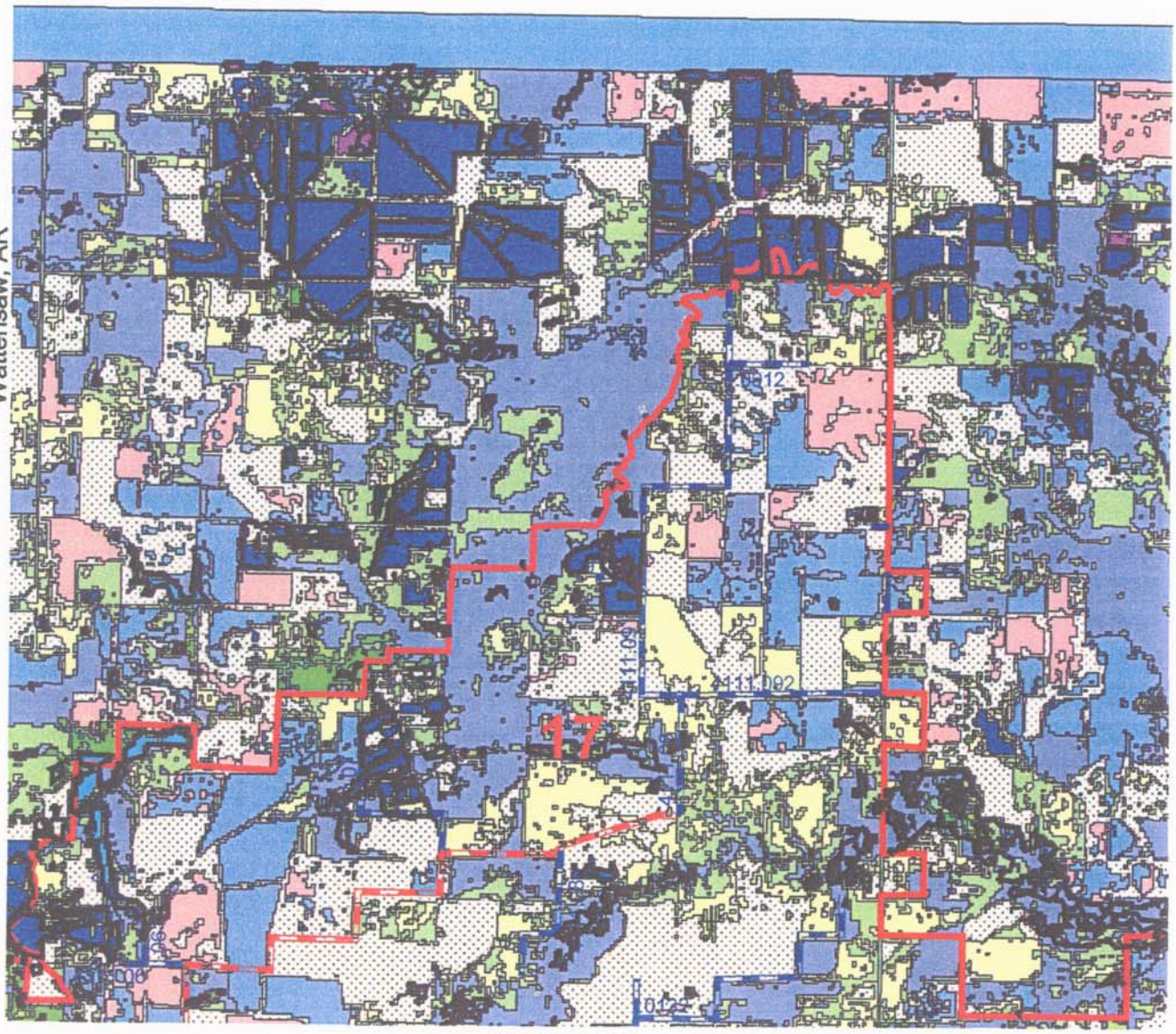
N

SCALE=1:62,500

Geridge, AR
Landuse/Wetlands

Walker, AR

Wattensaw, AR



Des Arc West, AR

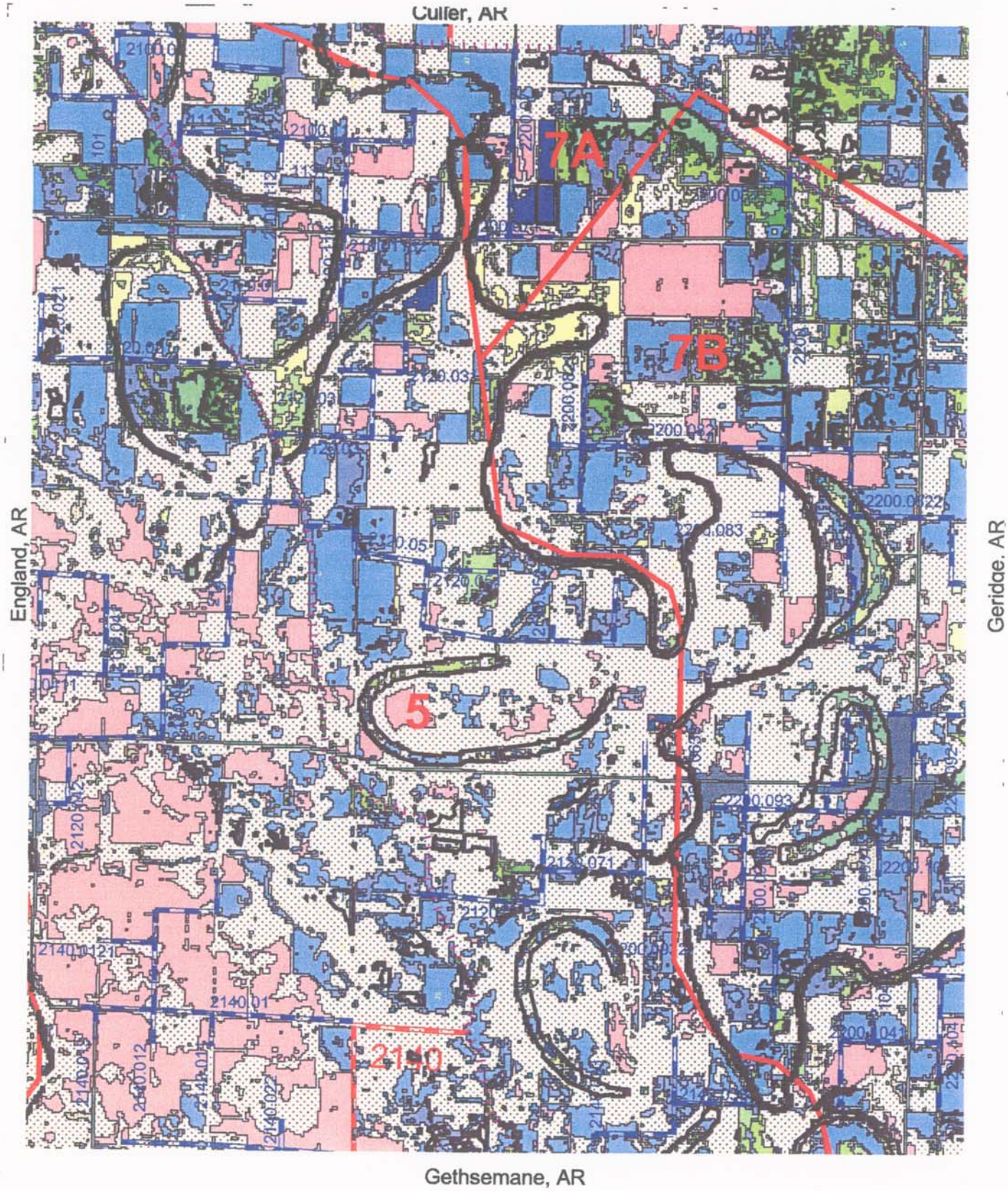
Carlisle, AR

US Army Corps of Engineers
Memphis District

N

SCALE=1:62,500

Hickory Plains, AR
Landuse/Wetlands



US Army Corps of Engineers
Memphis District

N

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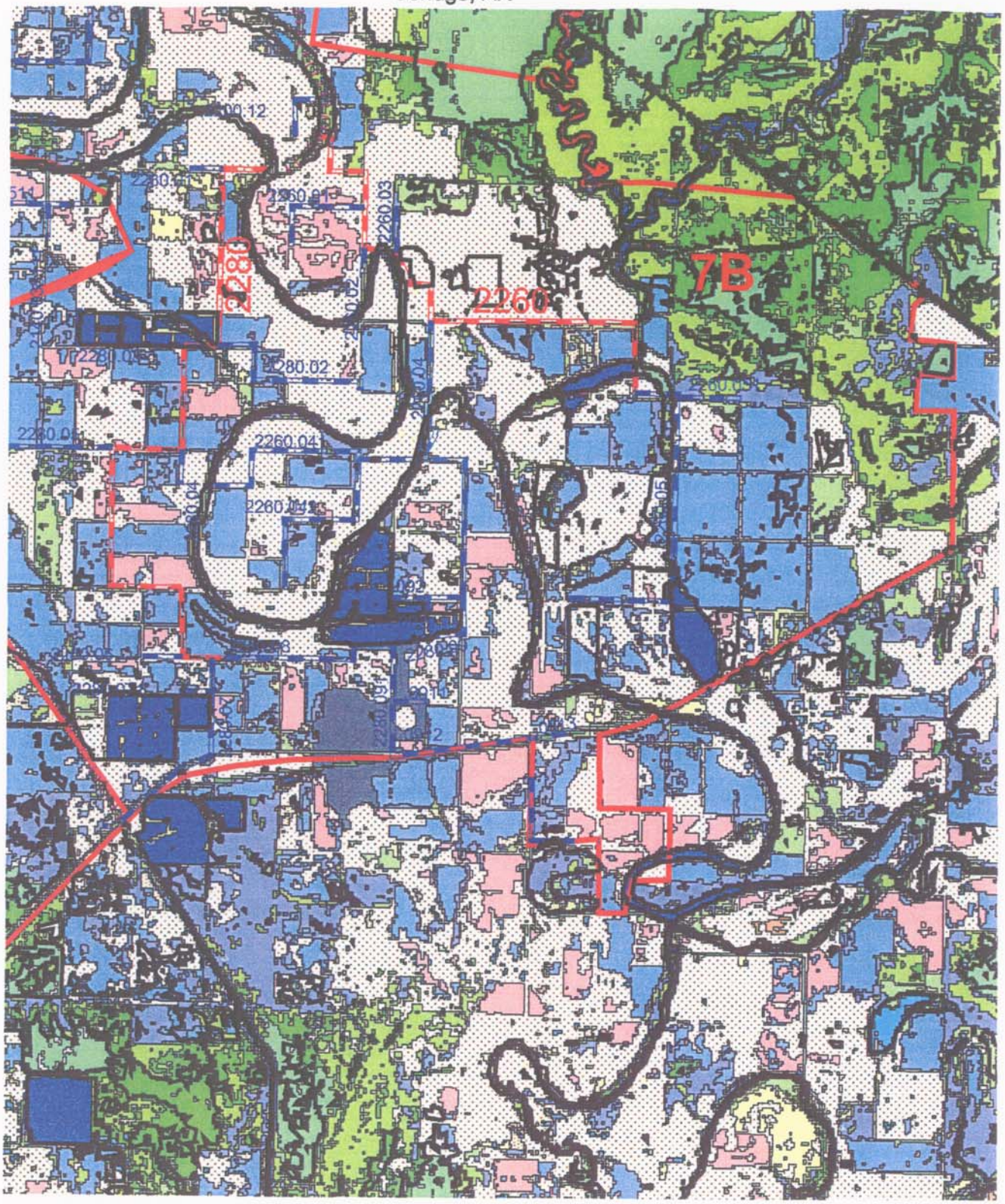
Humnoke, AR
Landuse/Wetlands

Geridge, AR



Gethsemane, AR

Stuttgart South, AR

Humphrey SW, AR

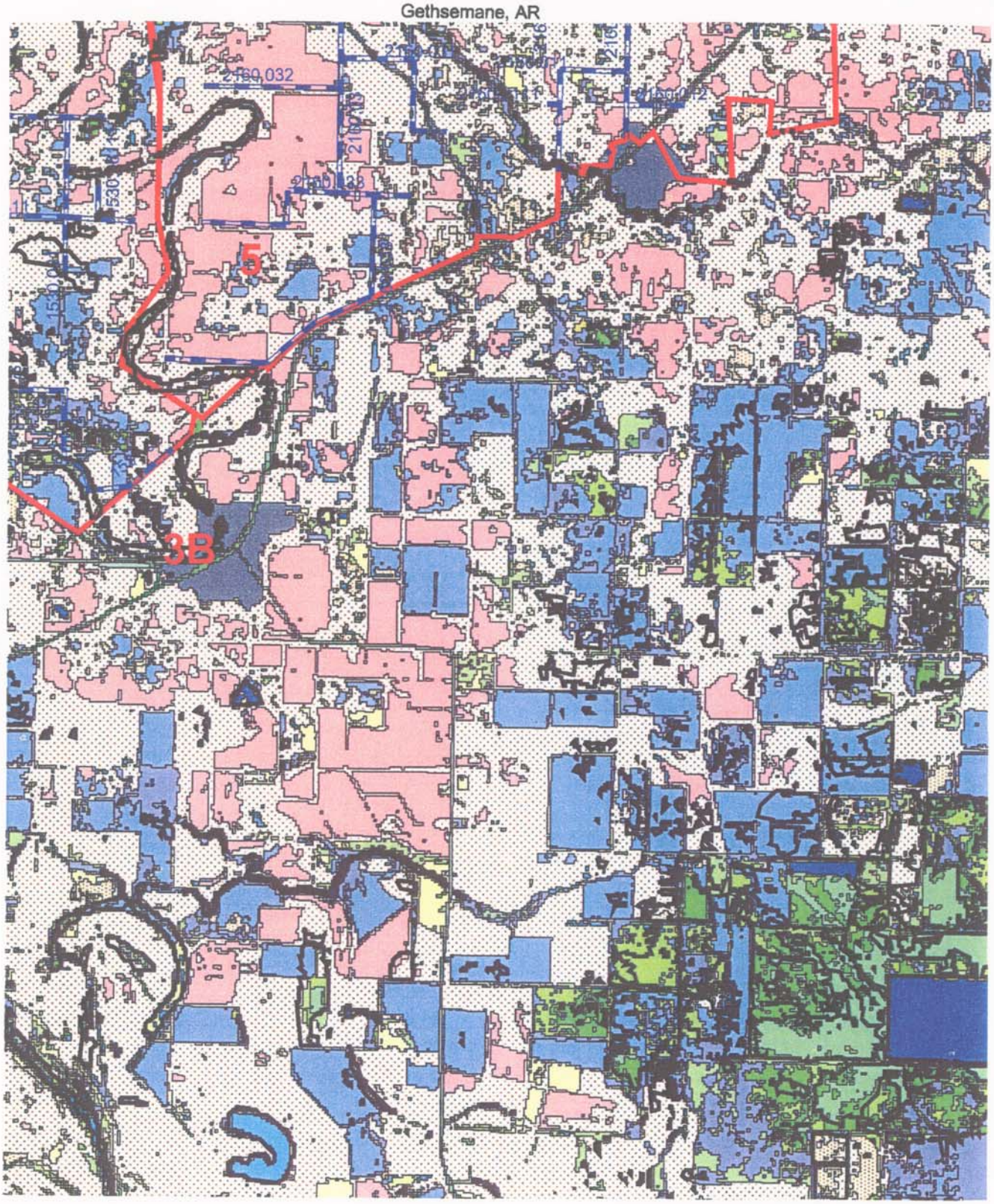
US Army Corps of Engineers
Memphis District

N

SCALE=1:62,500

Humphrey NW, AR
Landuse/Wetlands

Gethsemane, AR



Rob Roy, AR

Humphrey SW, AR

Moscow, AR

US Army Corps of Engineers
Memphis District

N

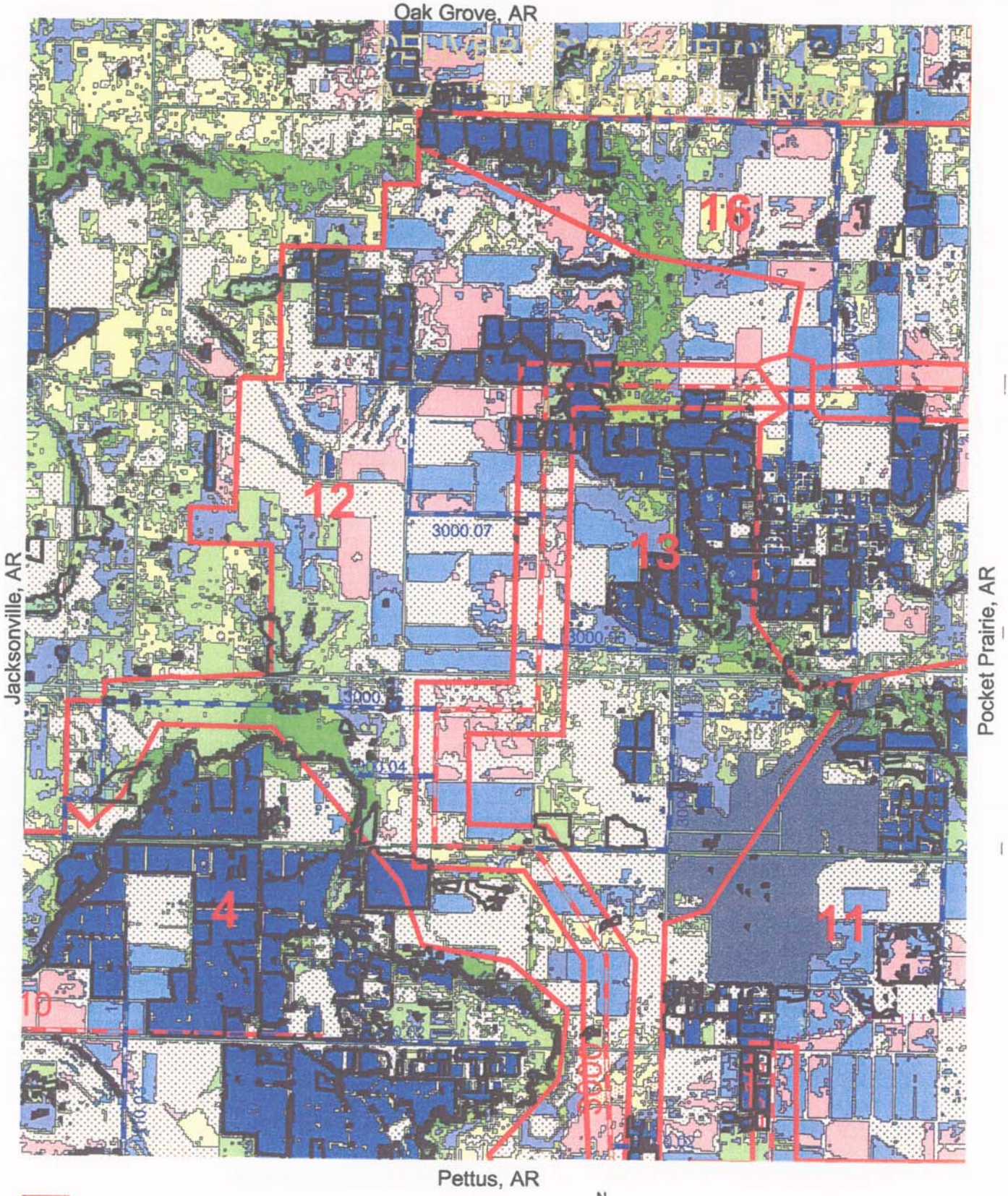
SCALE=1:62,500

Jacksonville, AR Landuse/Wetlands

N

SCALE=1:62,500

Keo, AR
Landuse/Wetlands



US Army Corps of Engineers
Memphis District

N

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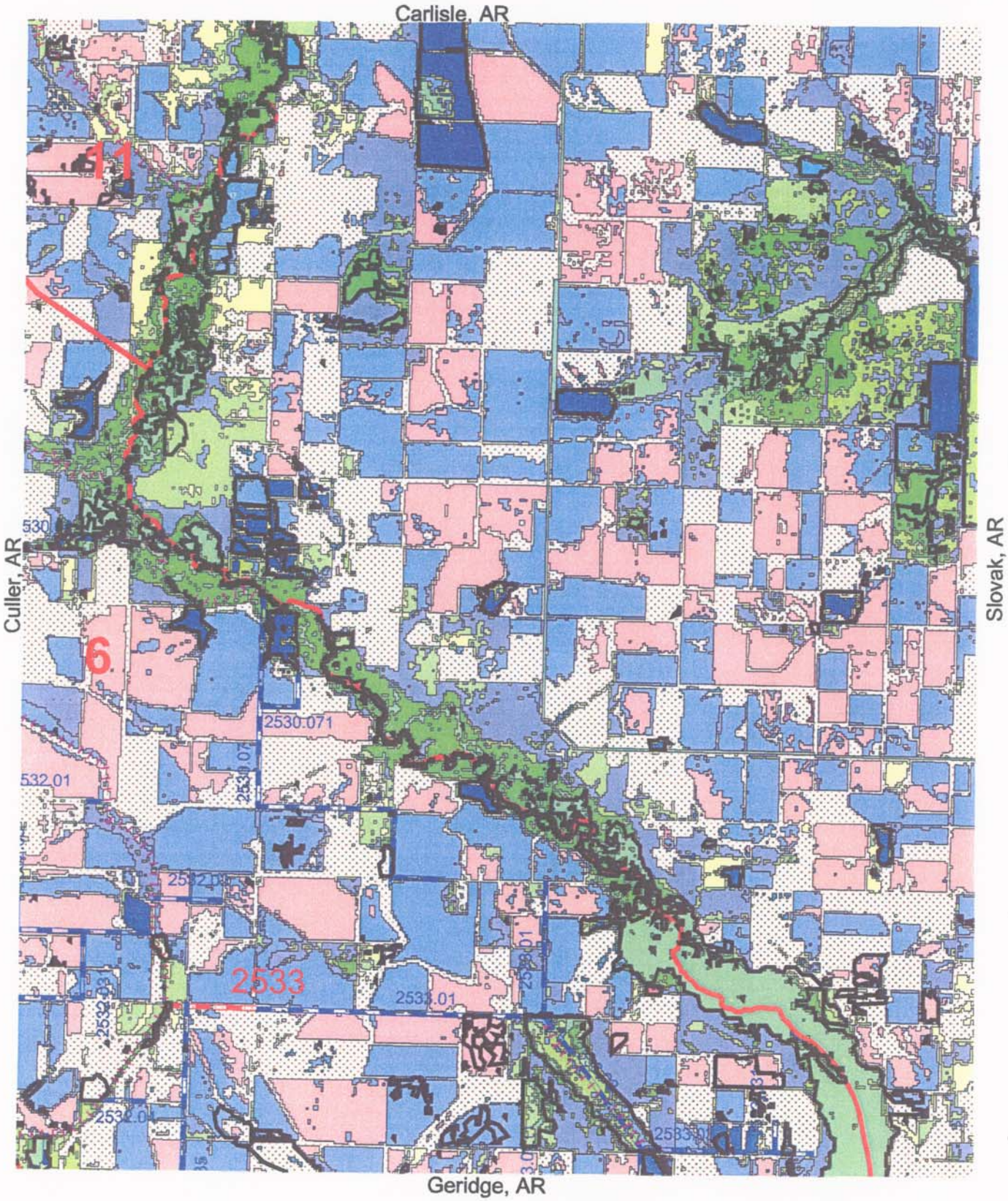
Lonoke, AR
Landuse/Wetlands

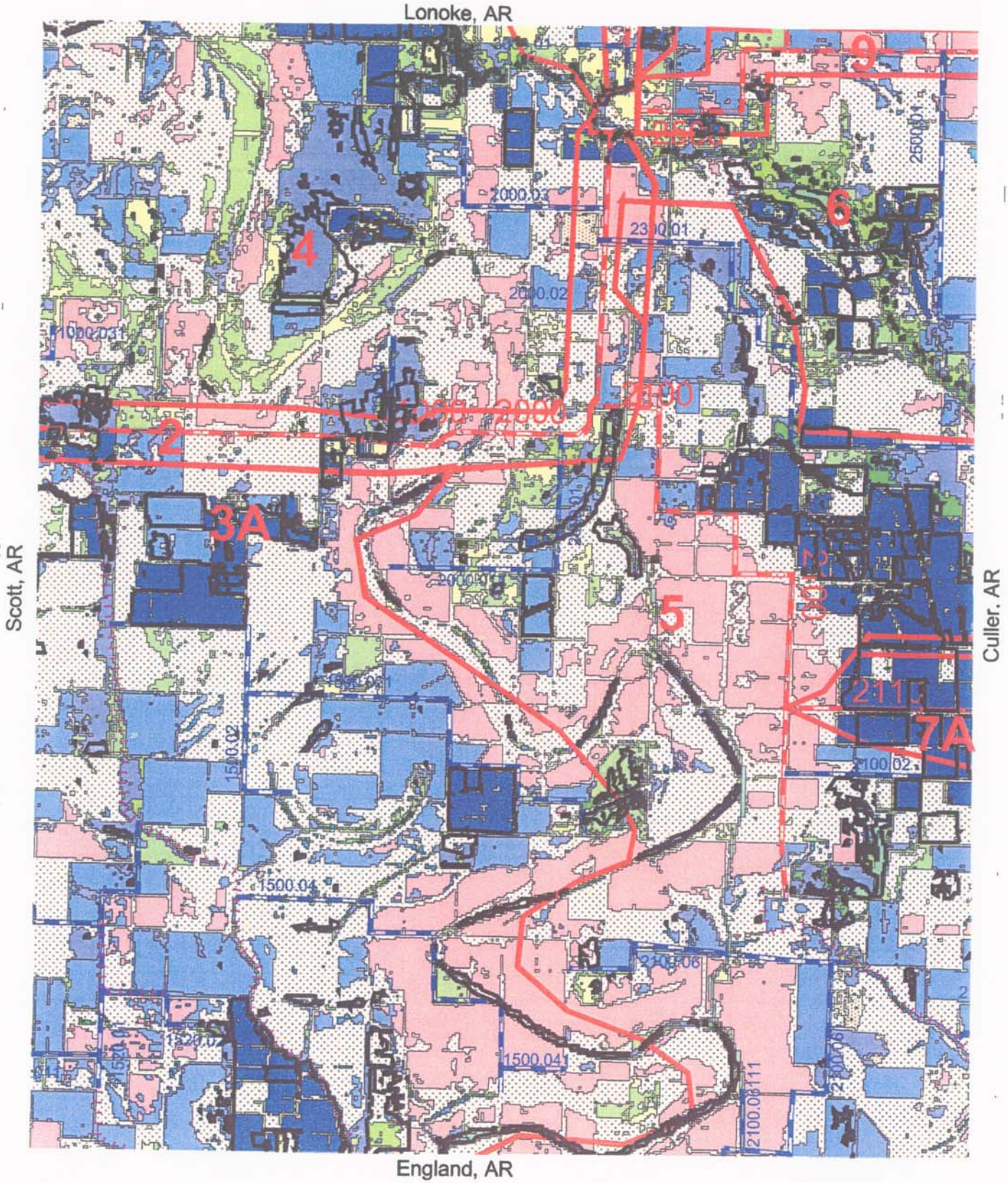


US Army Corps of Engineers Memphis District

N

SCALE=1:62,500

Parkers Corner, AR
Landuse/Wetlands



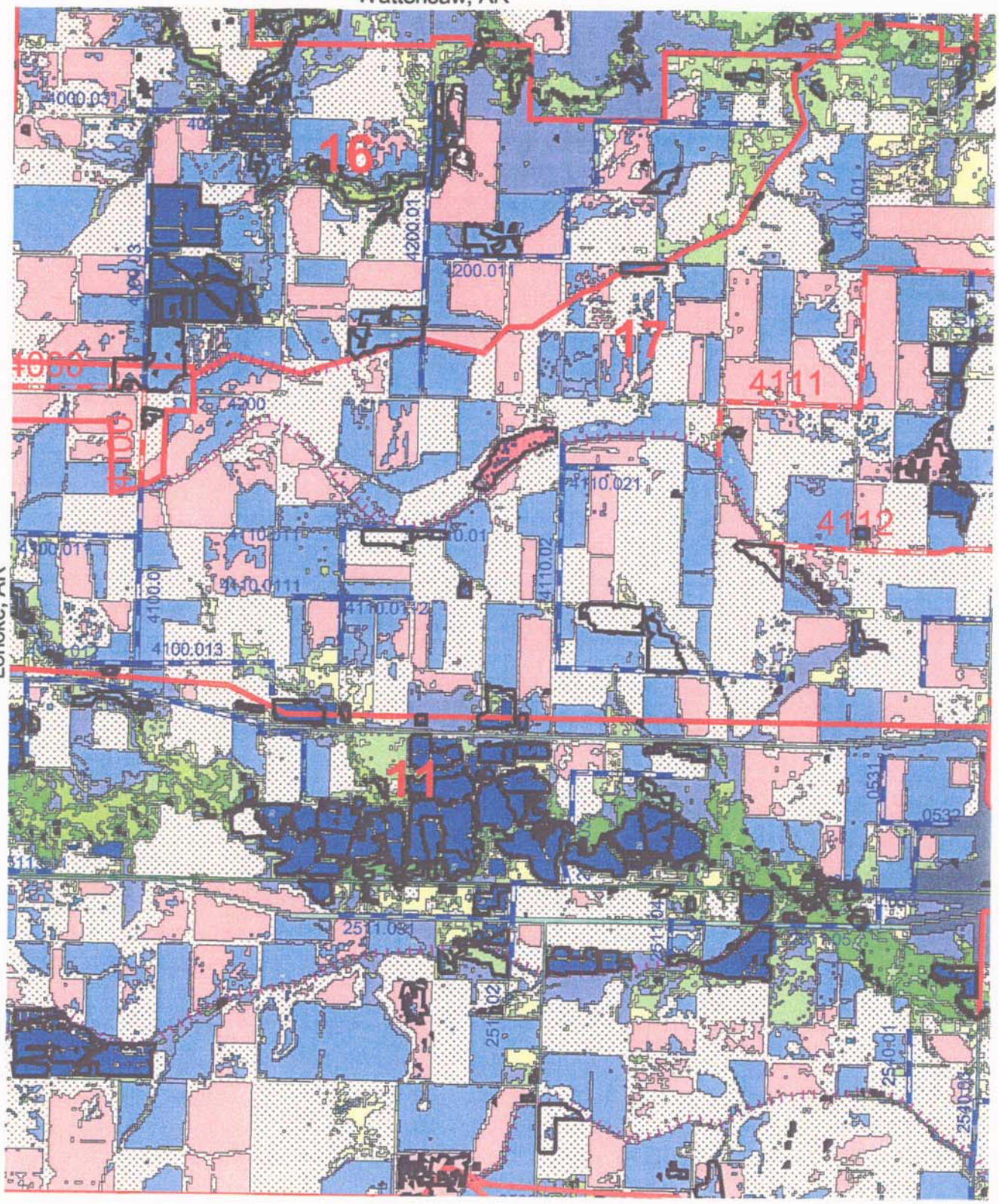
US Army Corps of Engineers

N

SCALE=1:62,500

Pettus, AR
Landuse/Wetlands

Wattensaw, AR



Lonoke, AR

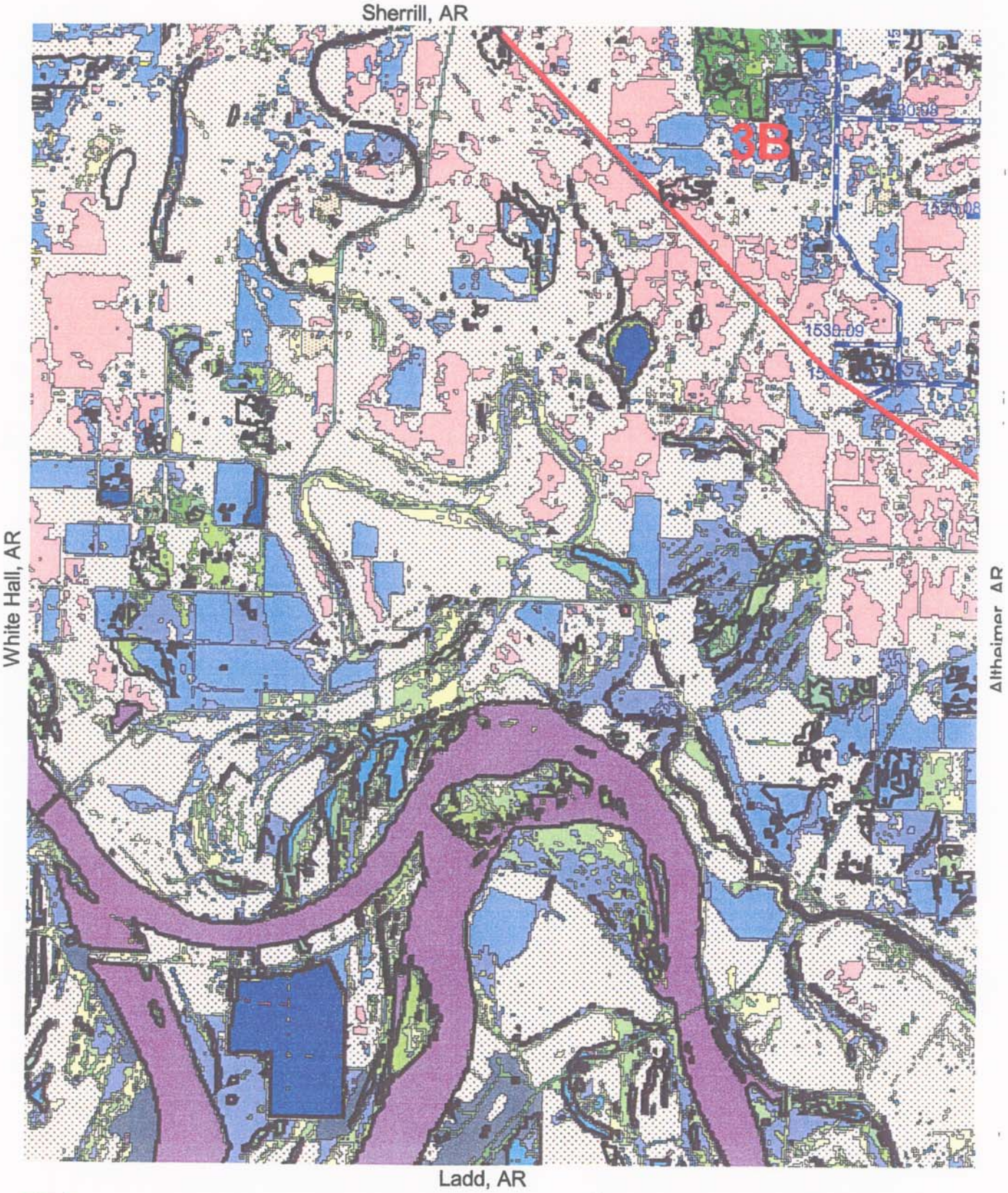
Carlisle, AR

Culler, AR

N

SCALE=1:62,500

Pocket Prairie, AR
Landuse/Wetlands

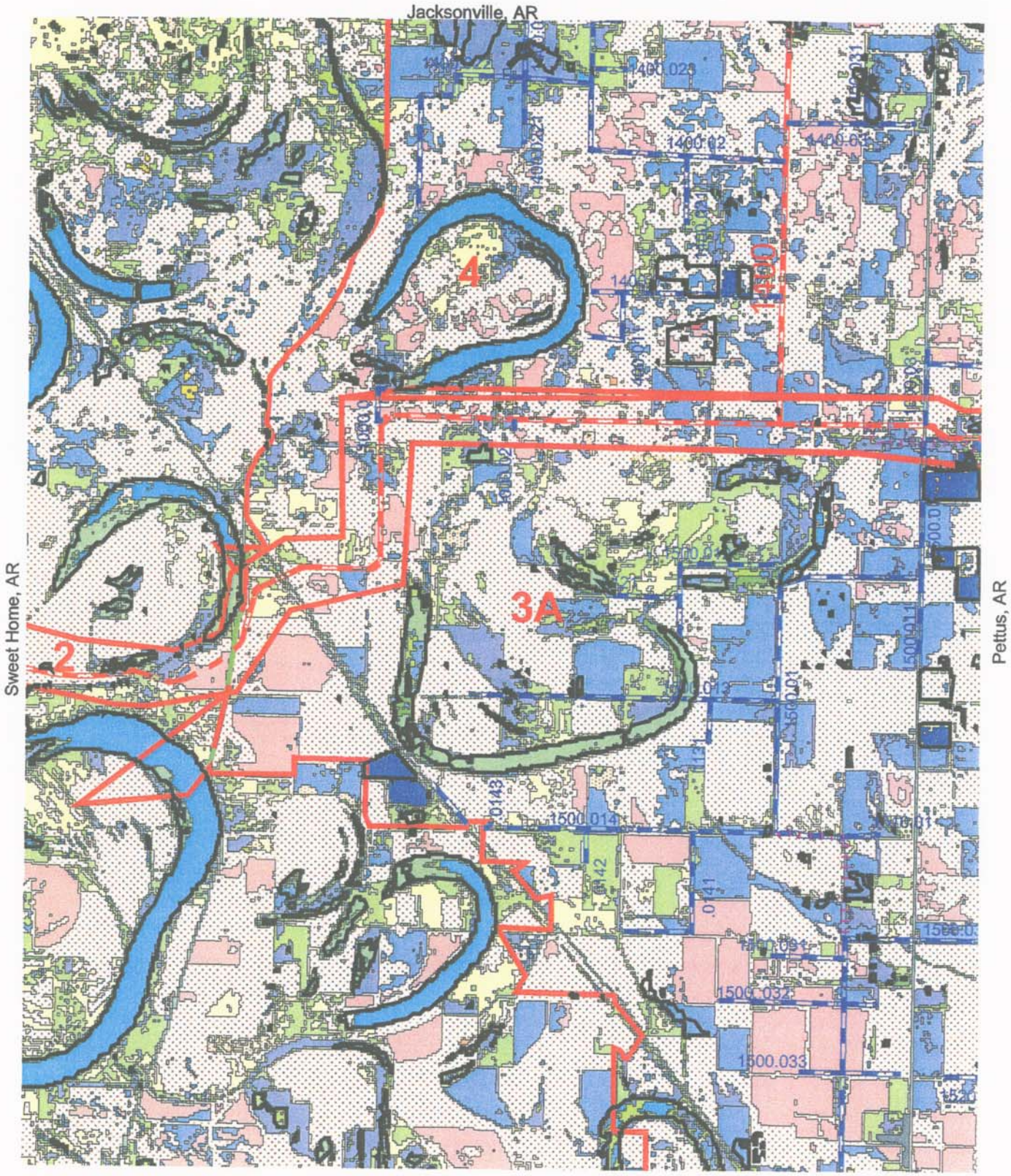


US Army Corps of Engineers
Memphis District

N

SCALE=1:62,500

Rob Roy, AR
Landuse/Wetlands

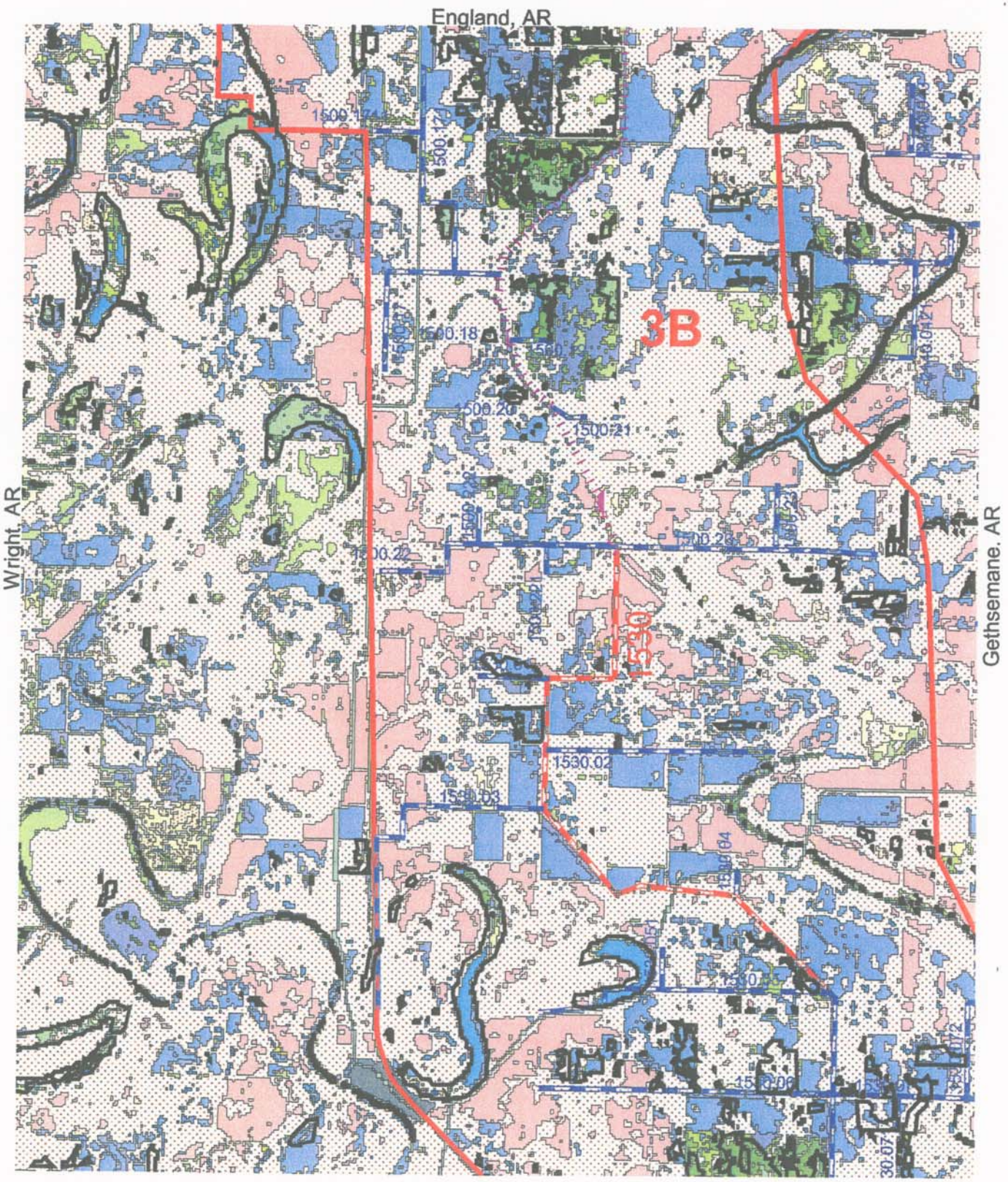


US Army Corps of Engineers
Memphis District

N

SCALE=1:62,500

Scott, AR
Landuse/Wetlands

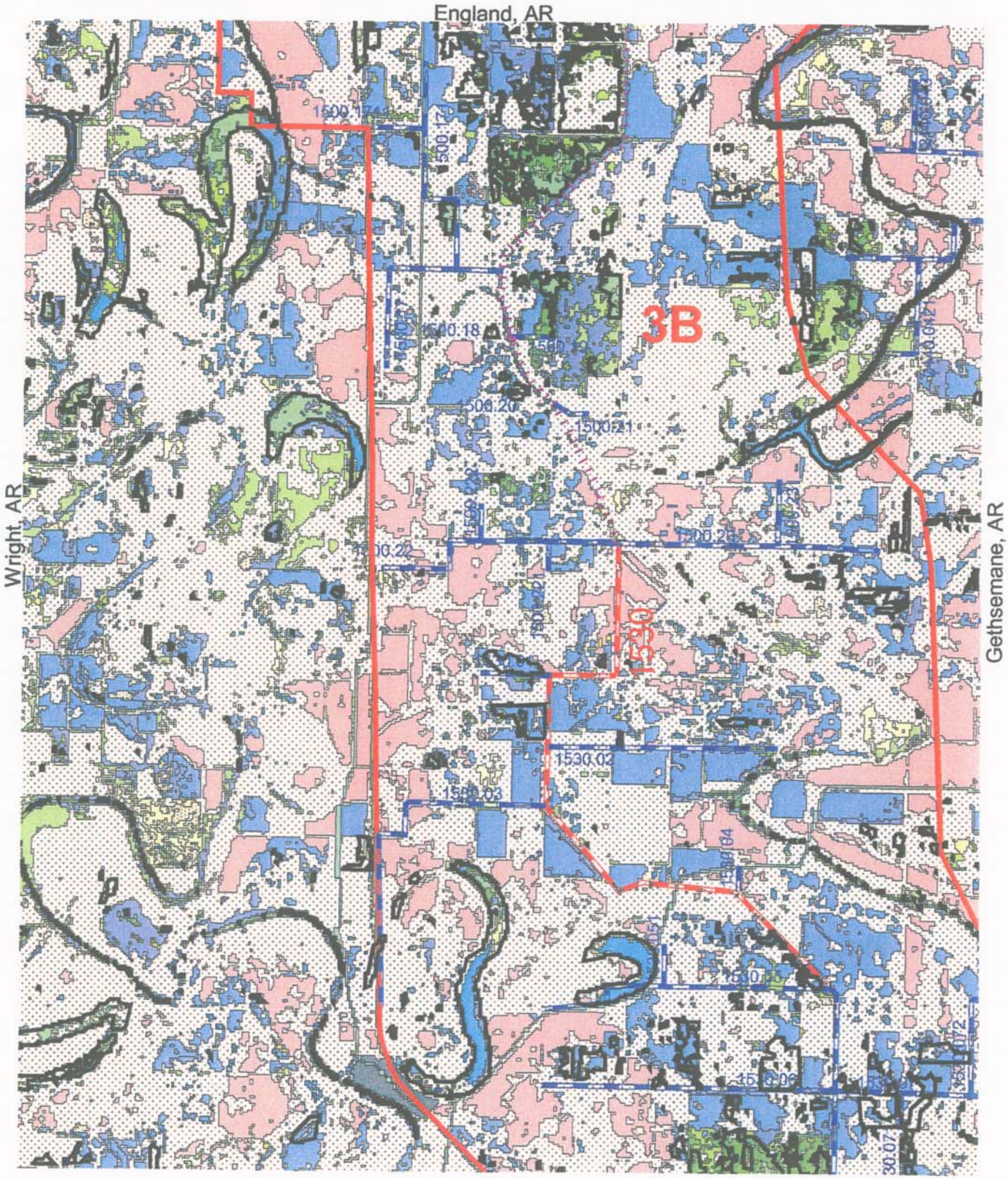


US Army Corps of Engineers
Memphis District

N

SCALE=1:62,500

Sherrill, AR
Landuse/Wetlands



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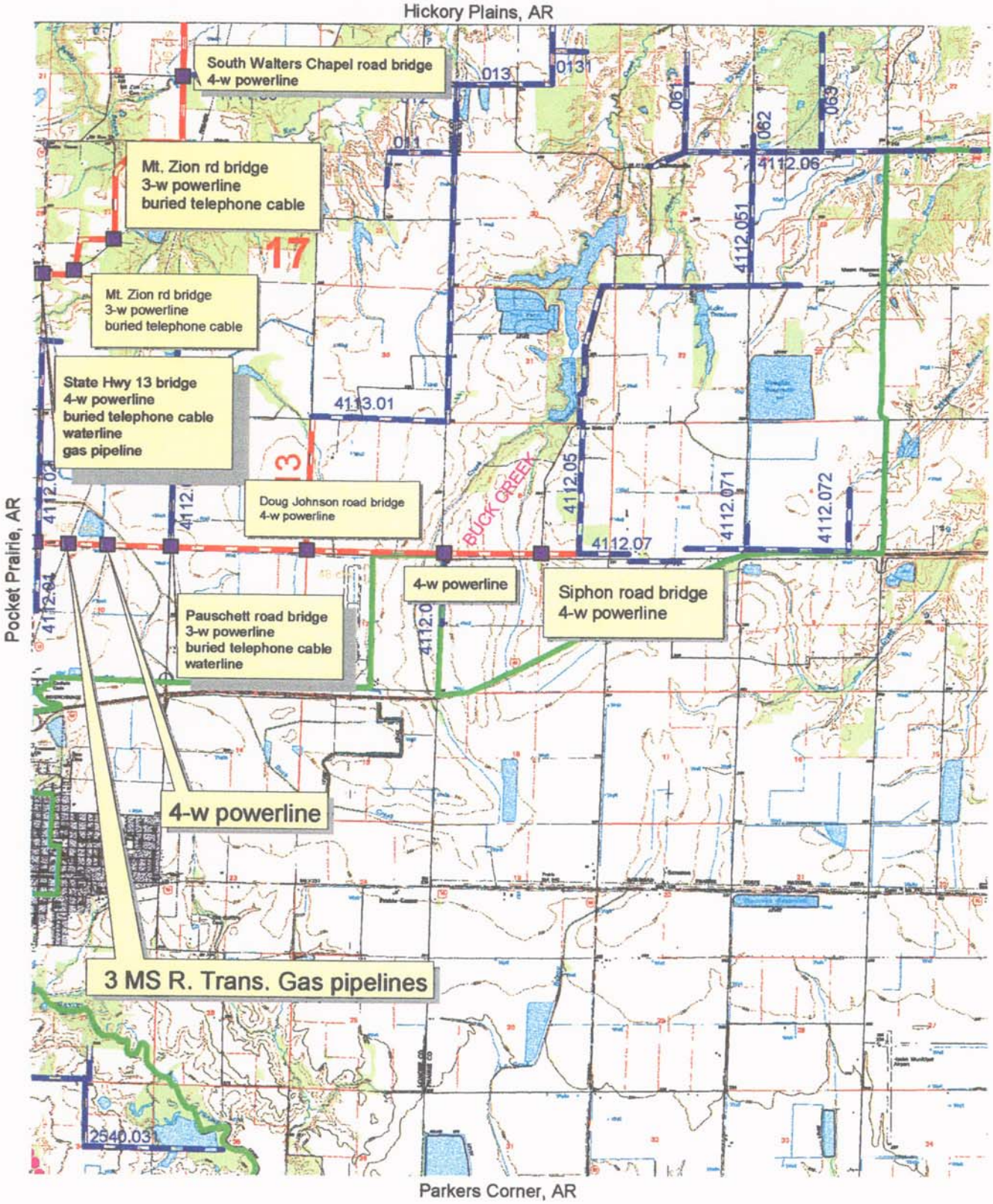
SCALE=1:62,500

Wattensaw, AR
Landuse/Wetlands

RELOCATIONS



US Army Corps of Engineers
Memphis District

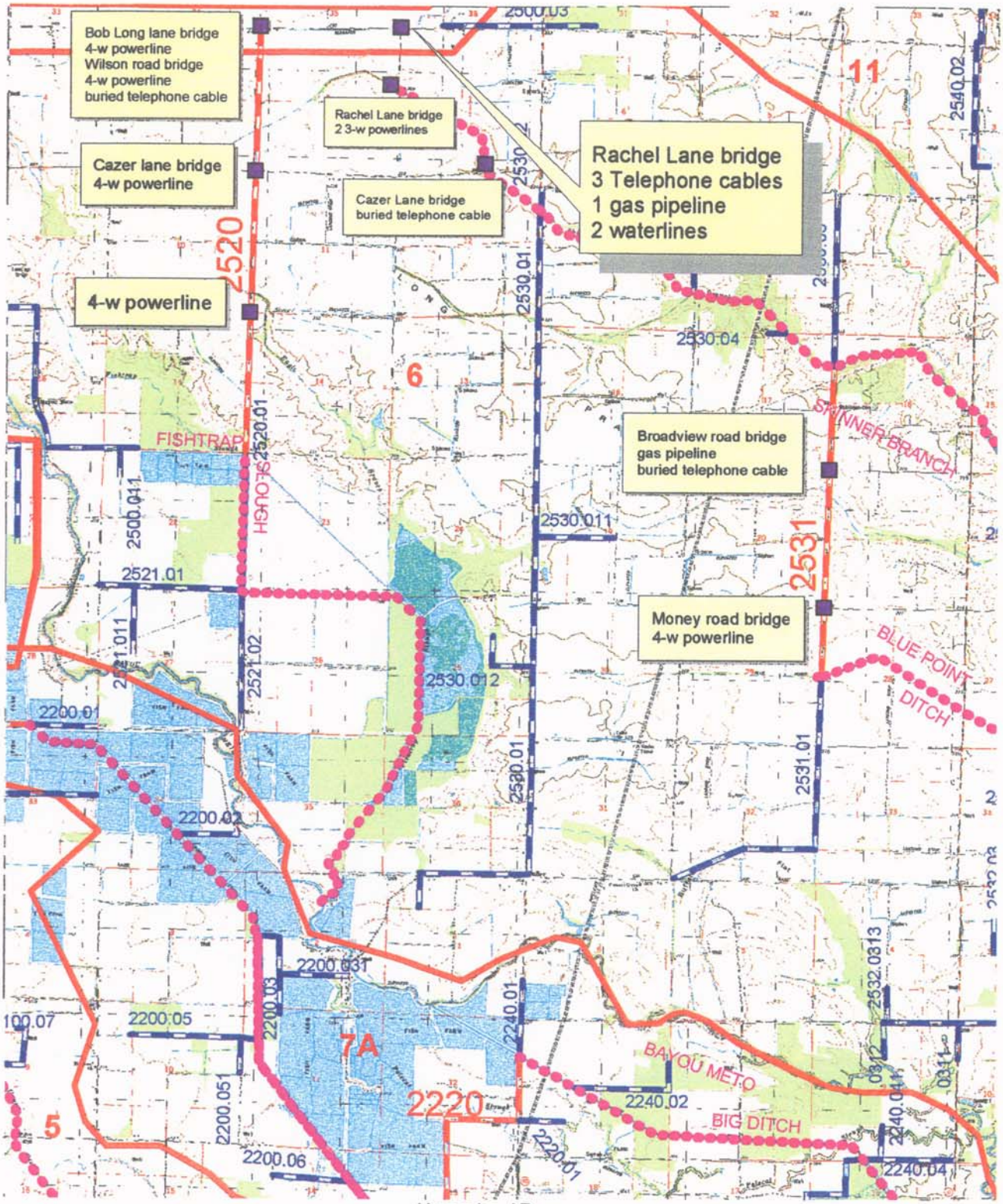
Relocations
Ditches
Pipelines
Canals
Bayou Meto Improvement Project Area

N

SCALE=1:62,500

Carlisle, AR Relocations

Pocket Prairie, AR



US Army Corps of Engineers
Memphis District

- Relocations
- Ditches
- Pipelines
- Canals
- Bayou Meto Improvement Project Area
- Construction Reaches

N

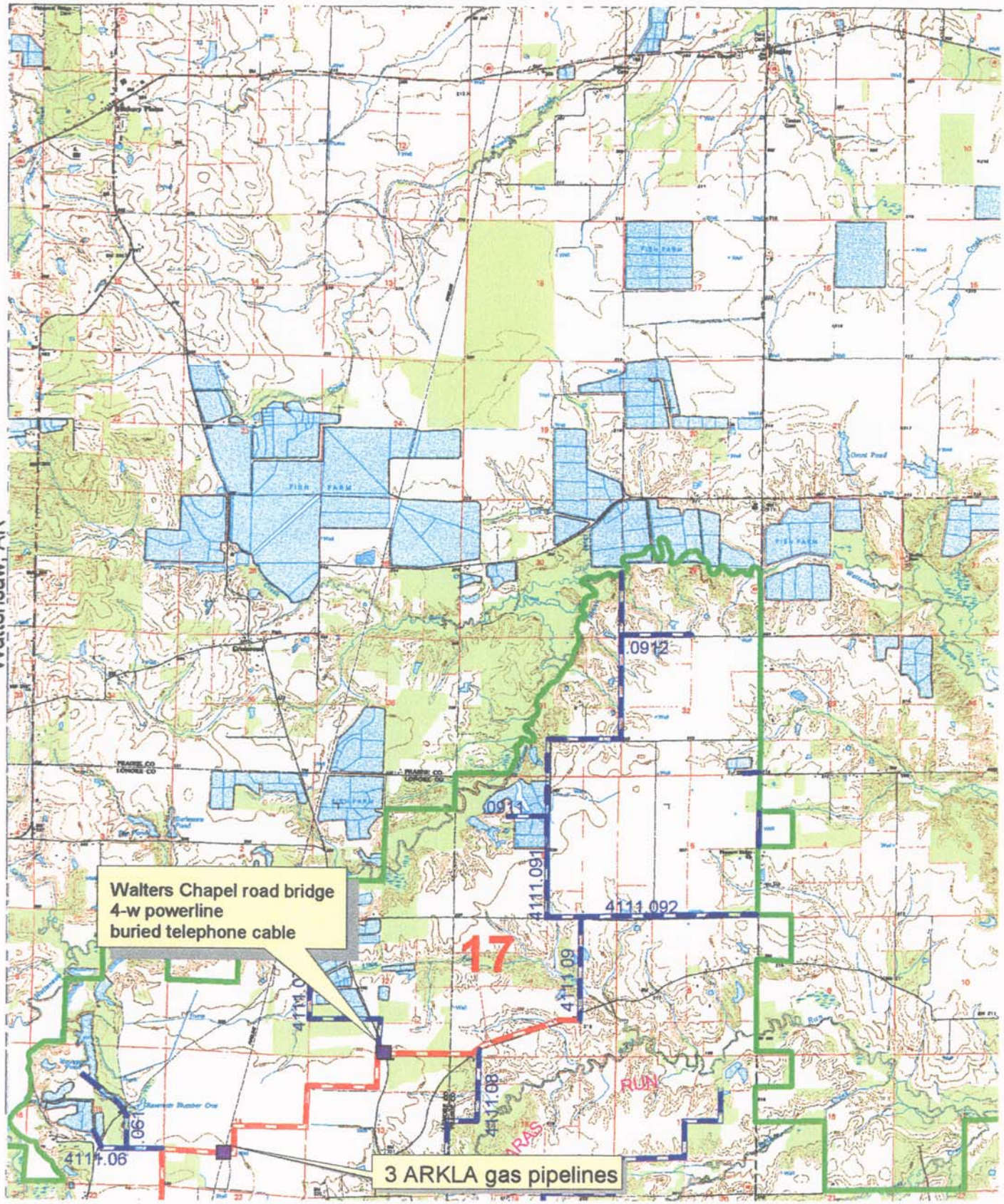
SCALE=1:62,500

Culler, AR Relocations

Walker, AR

Wattensaw, AR

Des Arc West, AR



Carlisle, AR

US Army Corps of Engineers
Memphis District

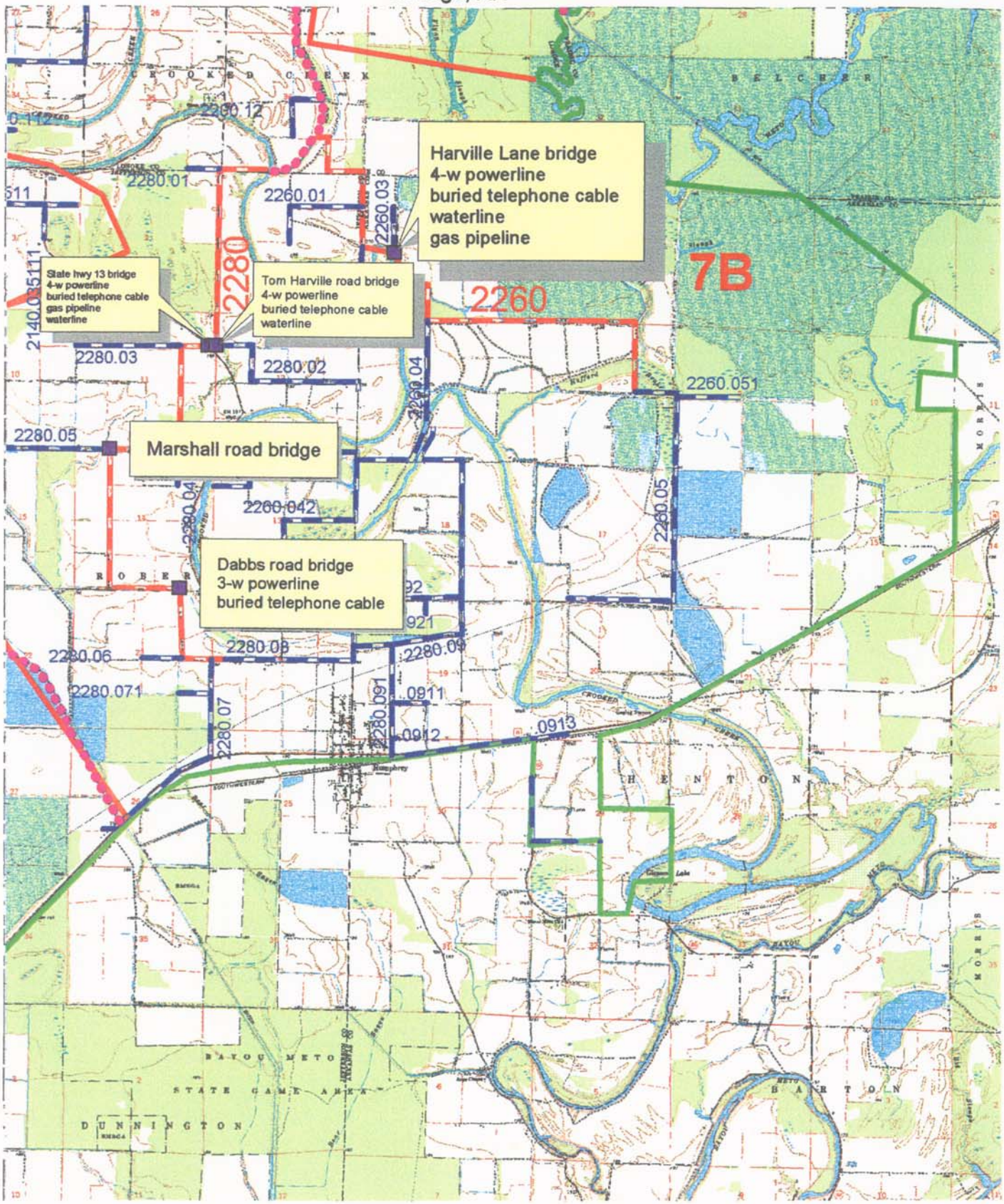
- Relocations
- Ditches
- Pipelines
- Canals
- Bayou Meto Improvement Project Area
- Construction Reaches

N

SCALE=1:62,500

Hickory Plains, AR Relocations

Geridge, AR



Gethsemane, AR

Stuttgart South, AR

Humphrey SW, AR

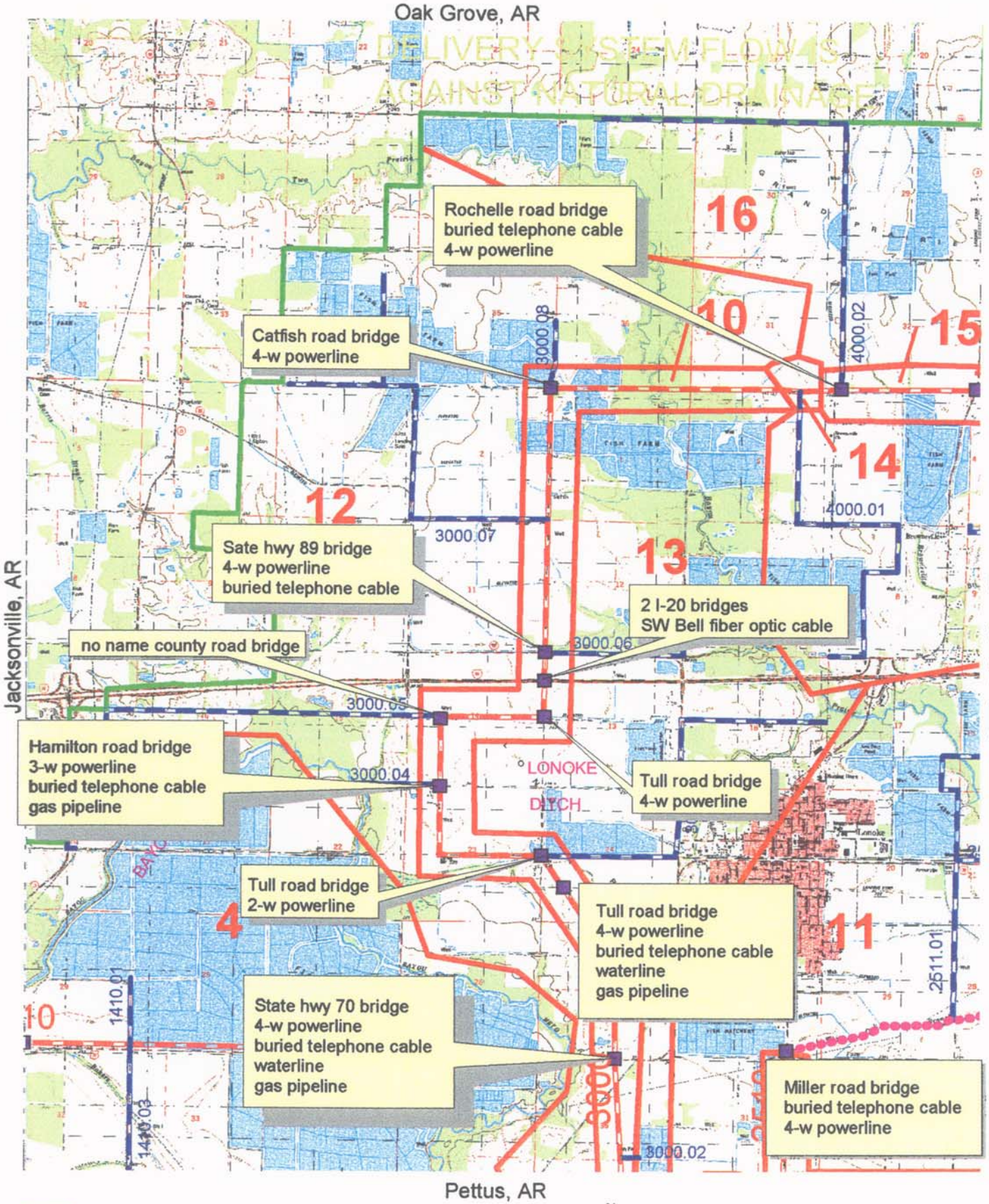
US Army Corps of Engineers
Memphis District

- Relocations
- Ditches
- Pipelines
- Canals
- Bayou Meto Improvement Project Area
- Construction Reaches

N

SCALE=1:62,500

Humphrey NW, AR Relocations



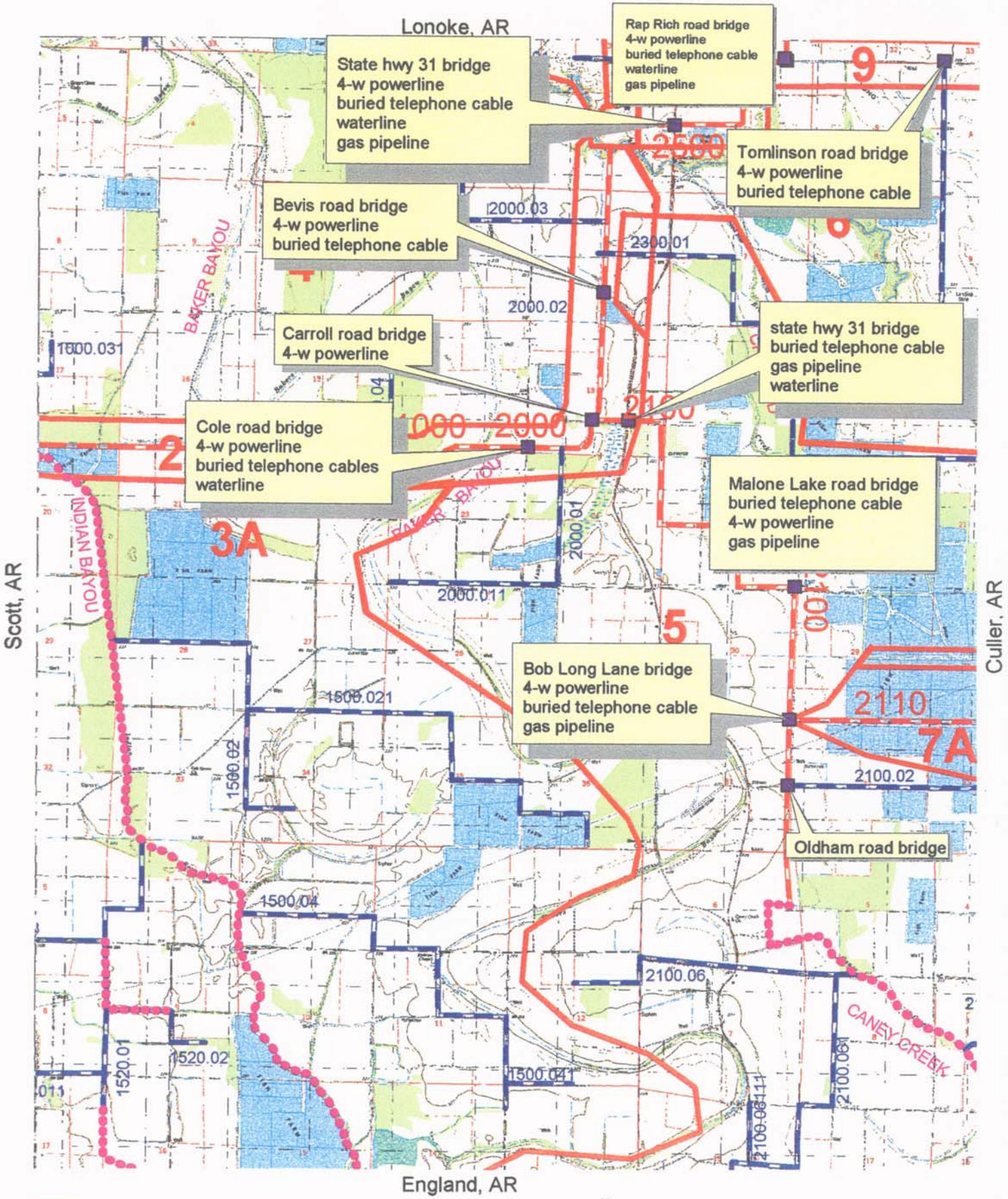
US Army Corps of Engineers
Memphis District

- Relocations
- Ditches
- Pipelines
- Canals
- Bayou Meto Improvement Project Area
- Construction Reaches

N

SCALE=1:62,500

Lonoke, AR Relocations



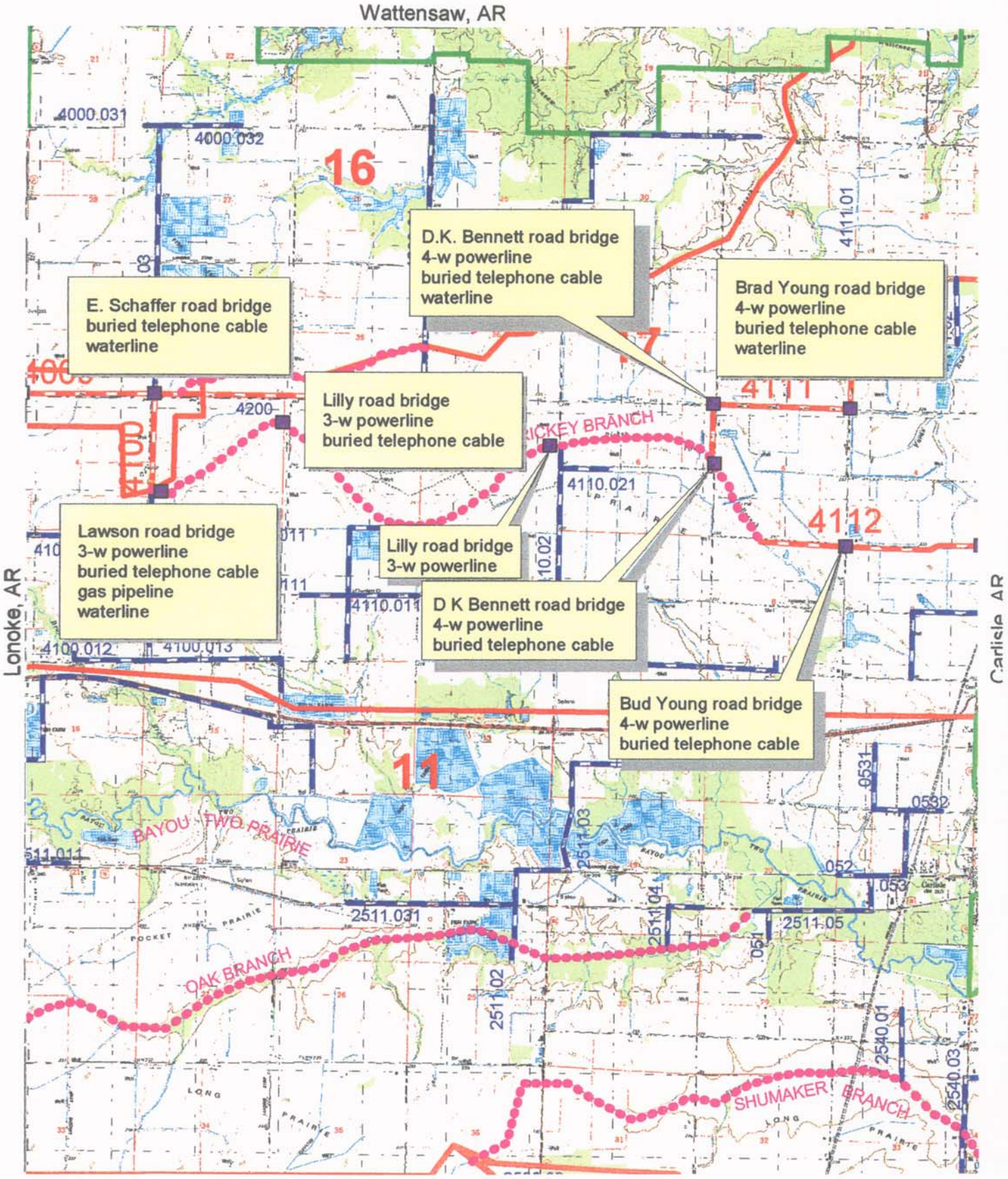
US Army Corps of Engineers
Memphis District

Relocations
Ditches
Pipelines
Canals
Bayou Meto Improvement Project Area
Construction Reaches

N

SCALE=1:62,500

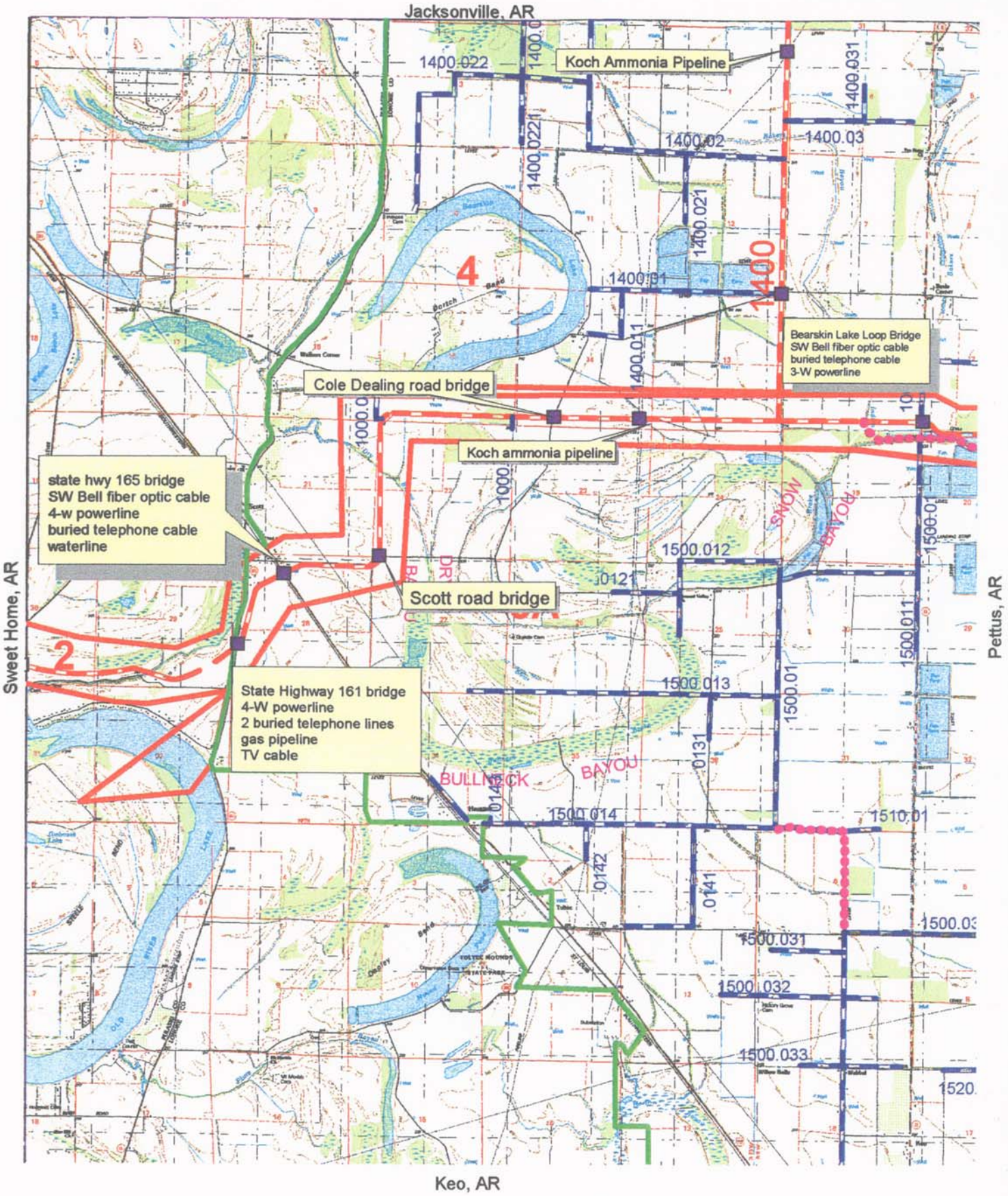
Pettus, AR Relocations



US Army Corps of Engineers
Memphis District

Relocations
Ditches
Pipelines
Canals
Bayou Meto Improvement Project Area
Construction Reaches

Pocket Prairie, AR Relocations



US Army Corps of Engineers
Memphis District

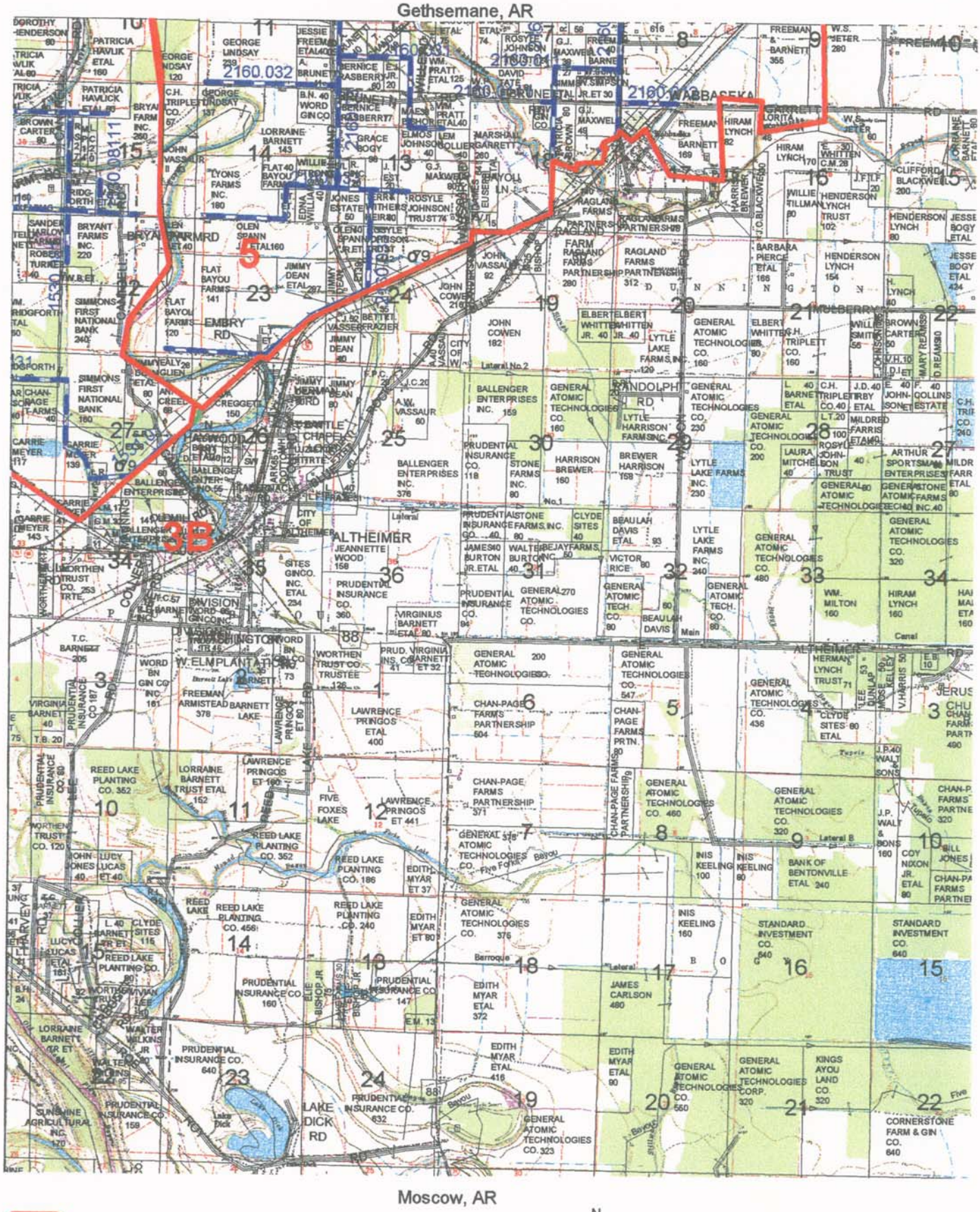
- Relocations
- Ditches
- Pipelines
- Canals
- Bayou Meto Improvement Project Area
- Construction Reaches

N

SCALE=1:62,500

Scott, AR Relocations

PROPERTY OWNERSHIP



US Army Corps of Engineers
Memphis District

Construction Reaches
Pipelines
Canals
Ditches
Bayou Meto Improvement Project Area

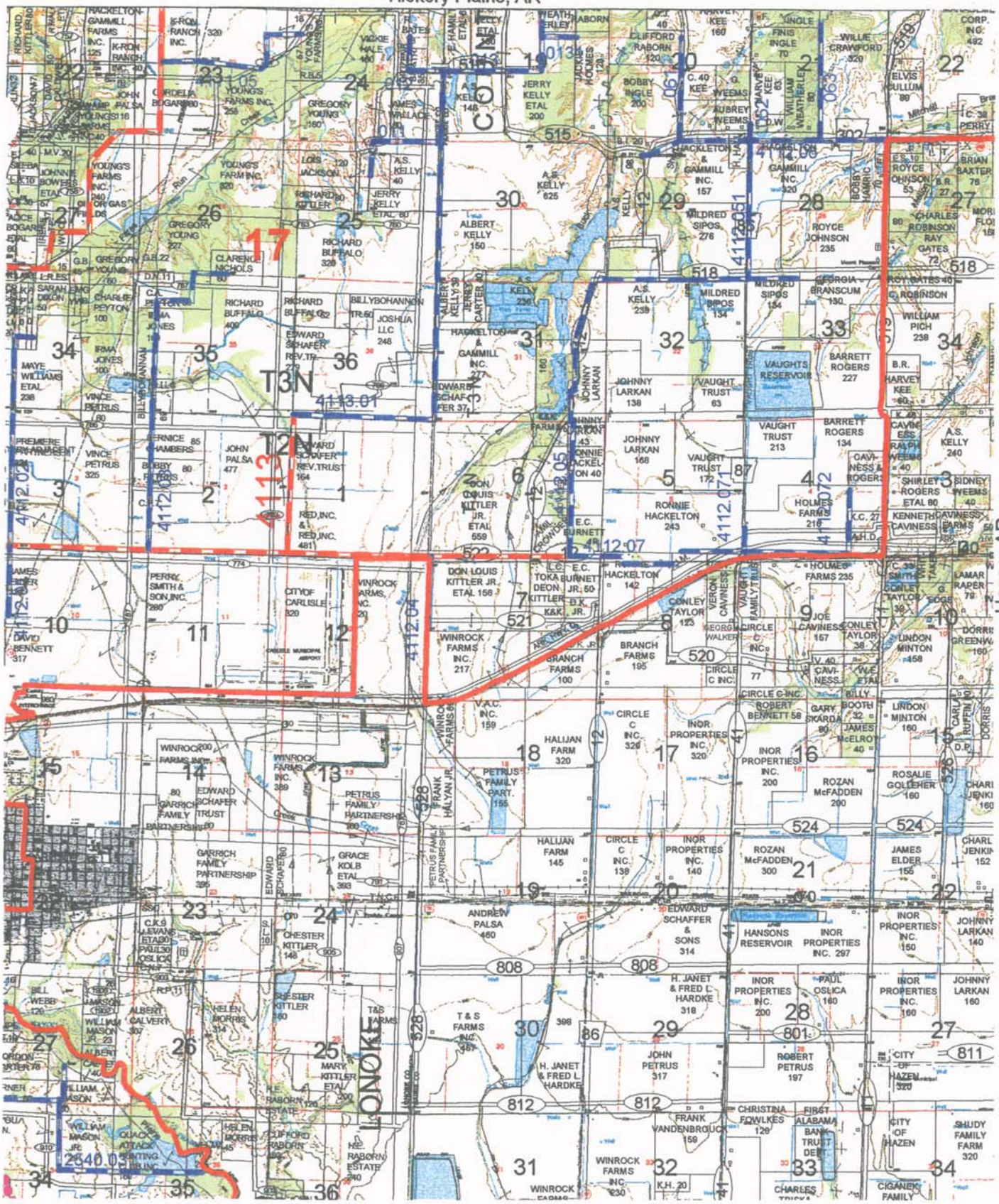
N

SCALE=1:62,500

Altheimer, AR Property Ownership

Hickory Plains, AR

Pocket Prairie, AR



Parkers Corner, AR

Hazen, AR

US Army Corps of Engineers
Memphis District

Construction Reaches
Pipelines
Canals
Ditches
Bayou Meto Improvement Project Area

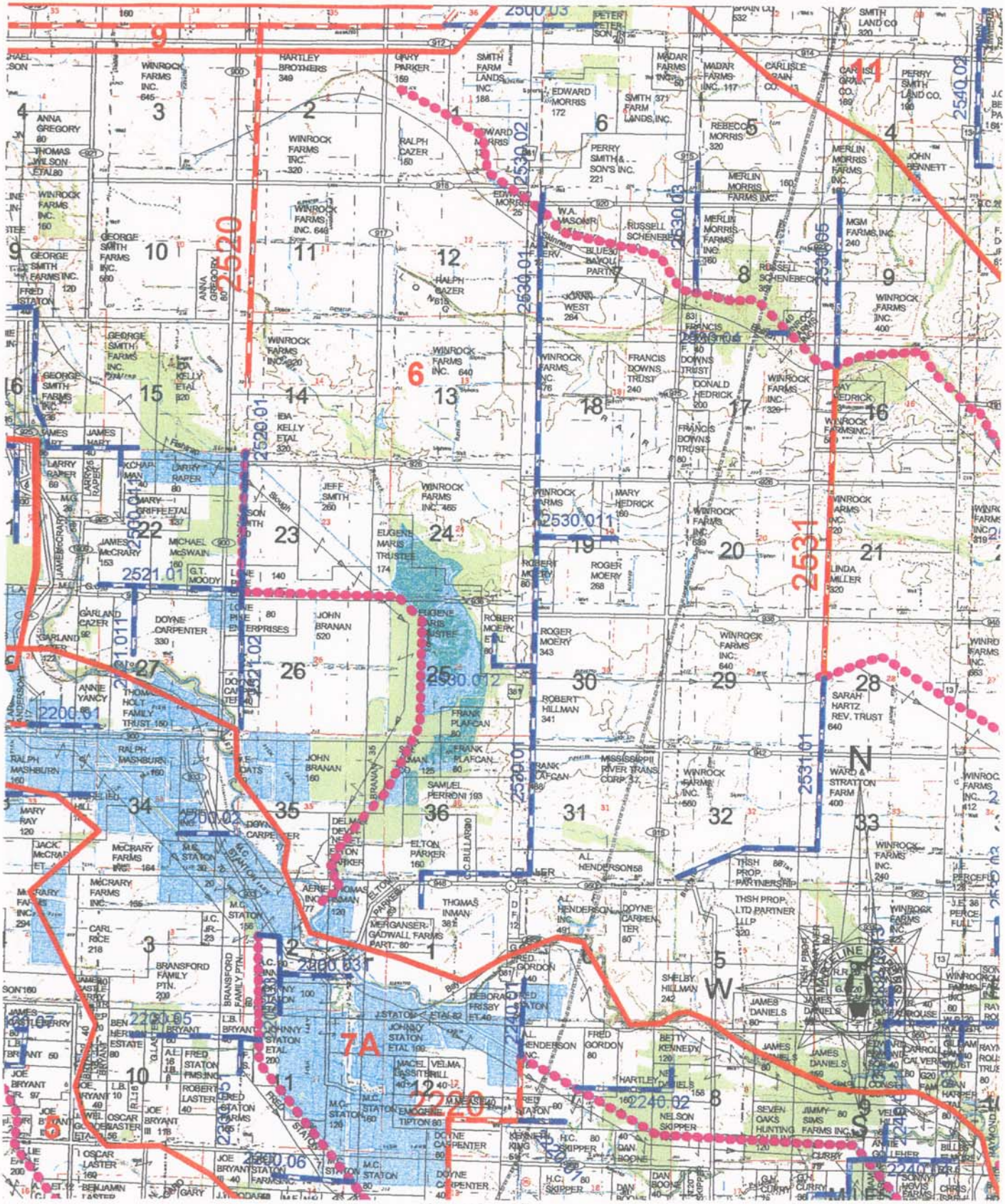
N

SCALE=1:62,500

Carlisle, AR Property Ownership

Pocket Prairie, AR

Pettus, AR



Parkers Corner, AR

Humnoke, AR

US Army Corps of Engineers
Memphis District

Construction Reaches
Pipelines
Canals
Ditches
Bayou Meto Improvement Project Area

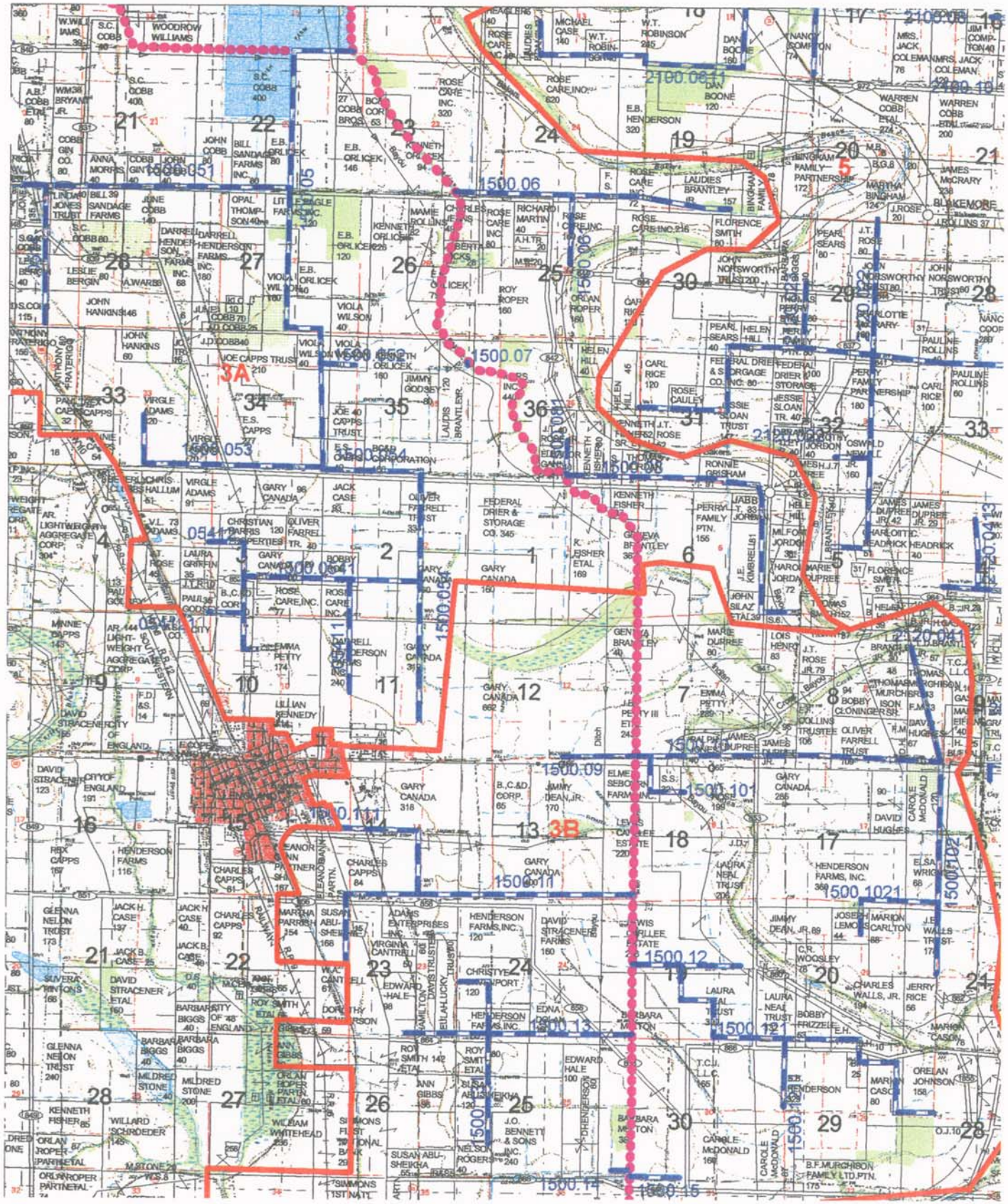
N

SCALE=1:62,500

Culler, AR
Property Ownership

Pettus, AR

Keo, AR



Humnoke, AR

Sherrill, AR

US Army Corps of Engineers
Memphis District

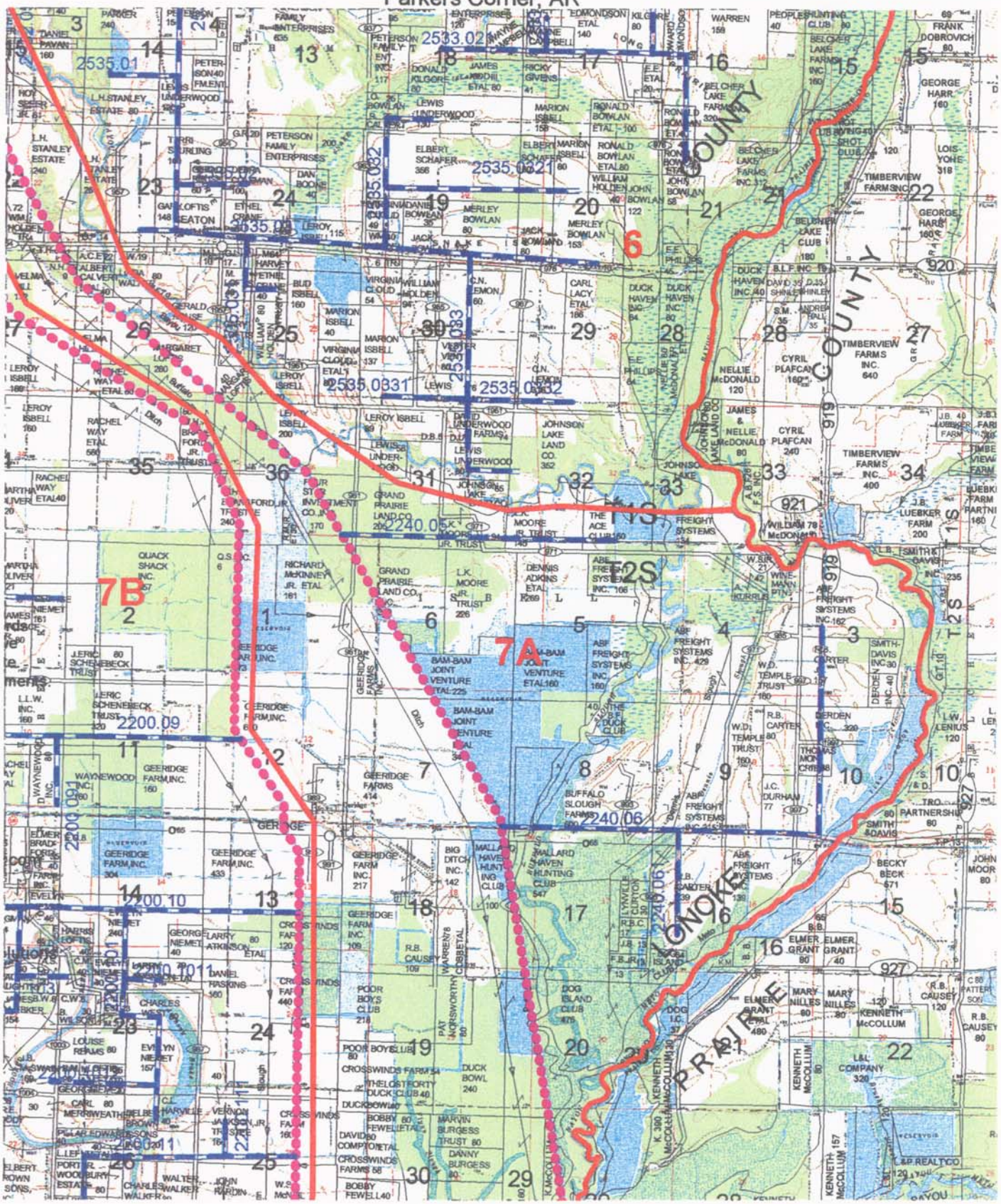
Construction Reaches
Pipelines
Canals
Ditches
Bayou Meto Improvement Project Area

N

SCALE=1:62,500

England, AR Property Ownership

Parkers Corner, AR



US Army Corps of Engineers
Memphis District

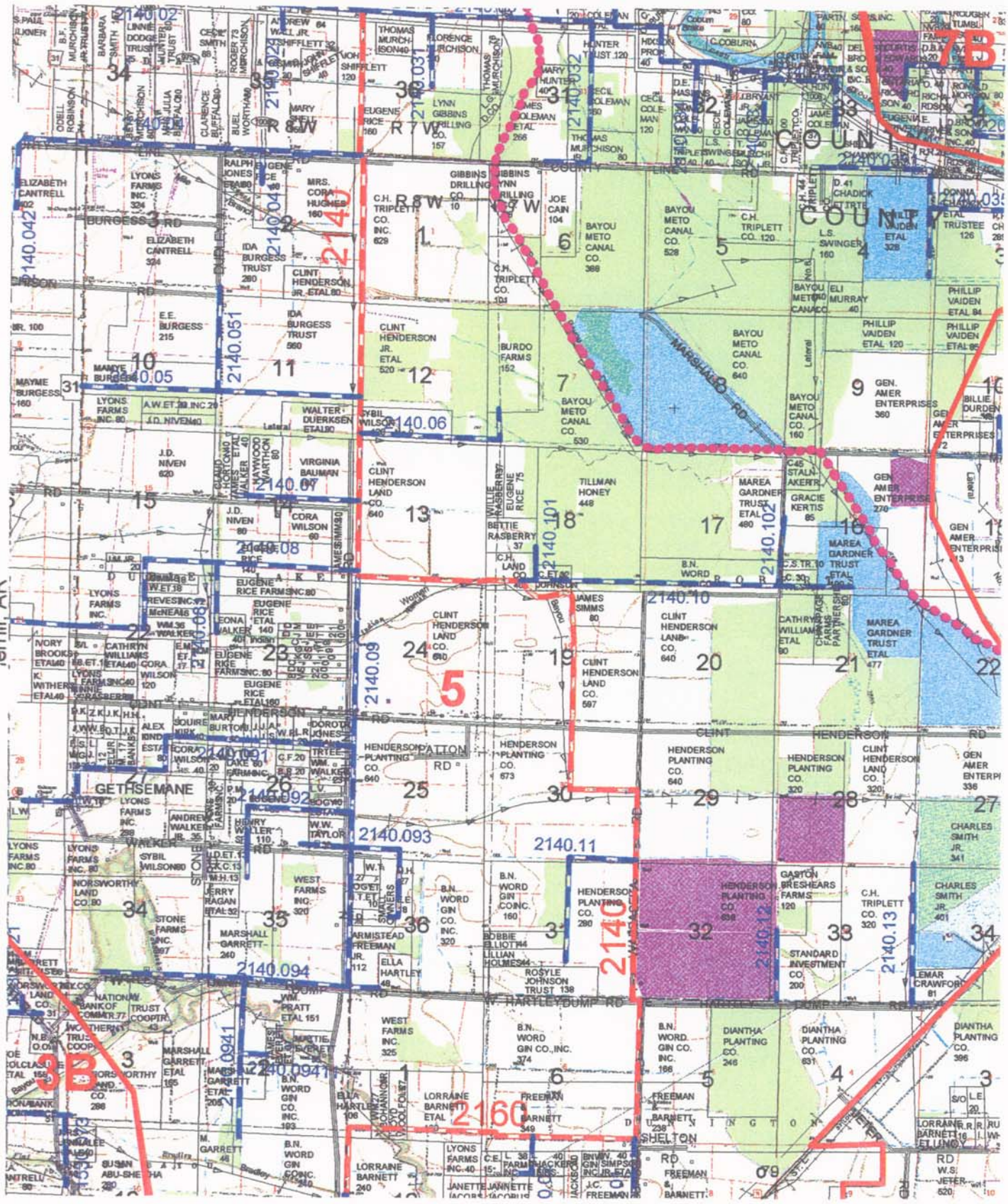
Construction Reaches
Pipelines
Canals
Ditches
Bayou Meto Improvement Project Area

N

SCALE=1:62,500

Geridge, AR
Property Ownership

Humnoke, AR



US Army Corps of Engineers
Memphis District

Construction Reaches
Pipelines
Canals
Ditches
Bayou Meto Improvement Project Area

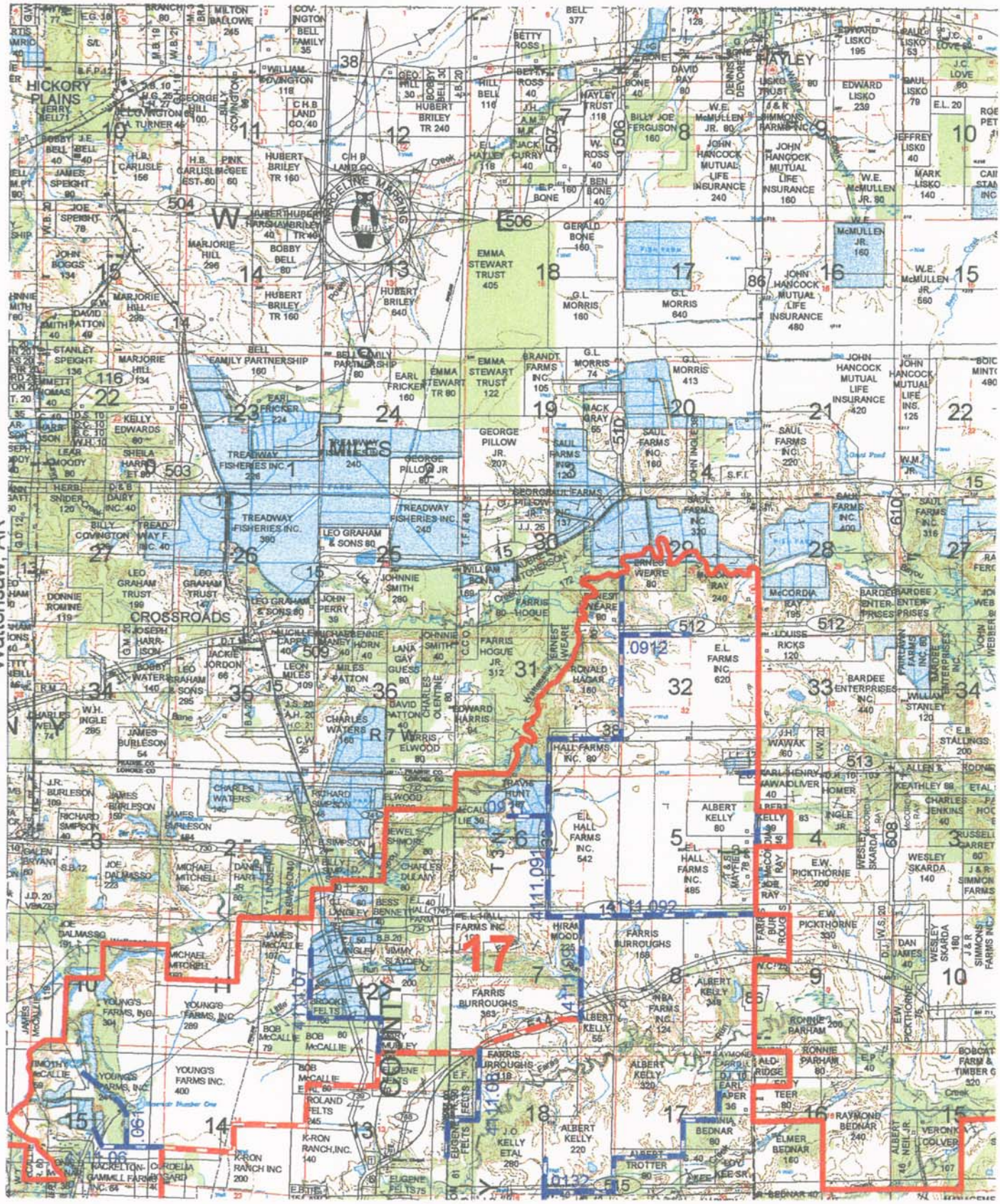
N

SCALE=1:62,500

Gethsemane, AR Property Ownership

Walker, AR

Wattensaw, AR



Des Arc West, AR

Carlisle, AR

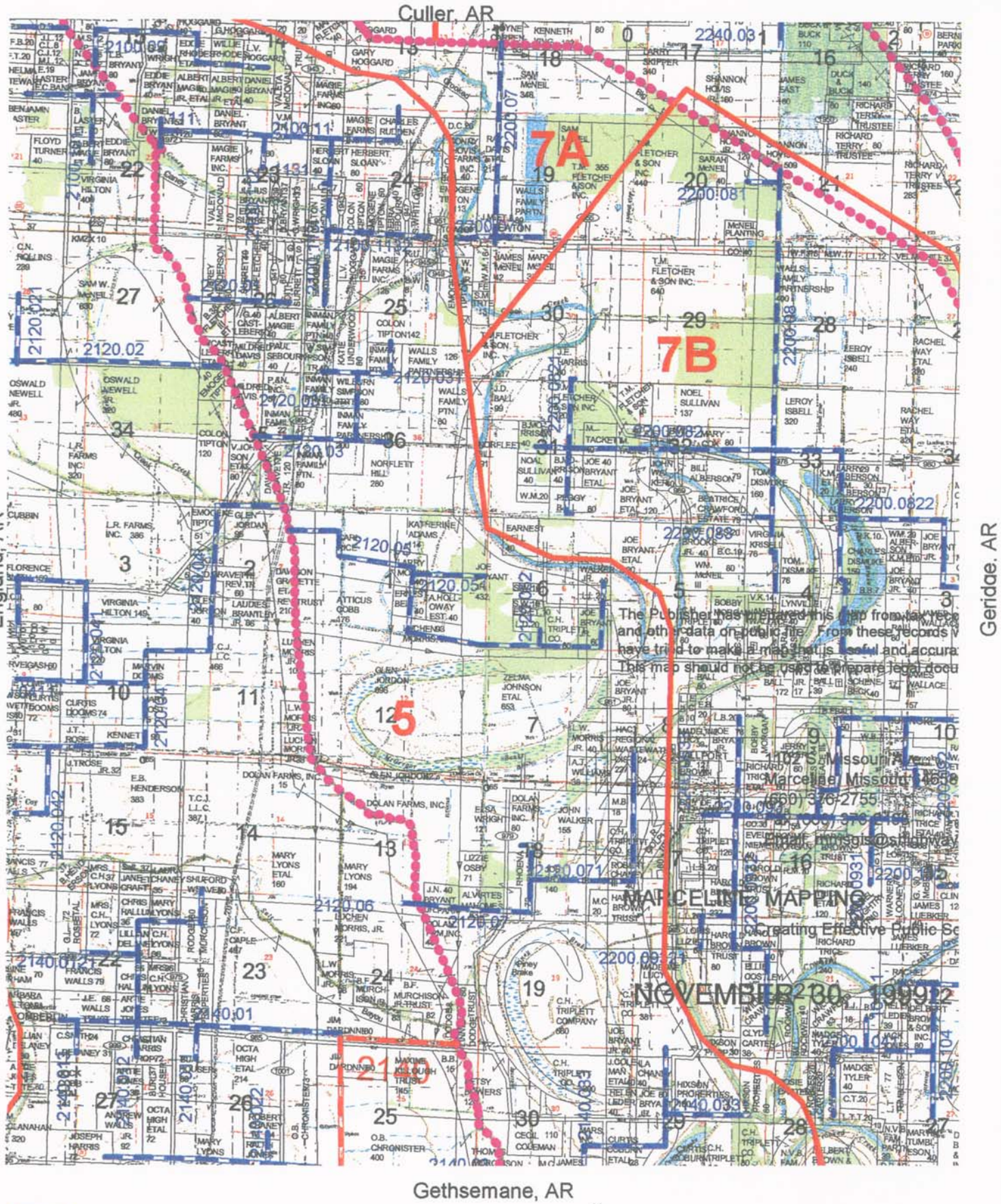
US Army Corps of Engineers
Memphis District

Construction Reaches
Pipelines
Canals
Ditches
Bayou Meto Improvement Project Area

N

SCALE=1:62,500

Hickory Plains, AR Property Ownership



US Army Corps of Engineers
Memphis District

Construction Reaches
Pipelines
Canals
Ditches
Bayou Meto Improvement Project Area

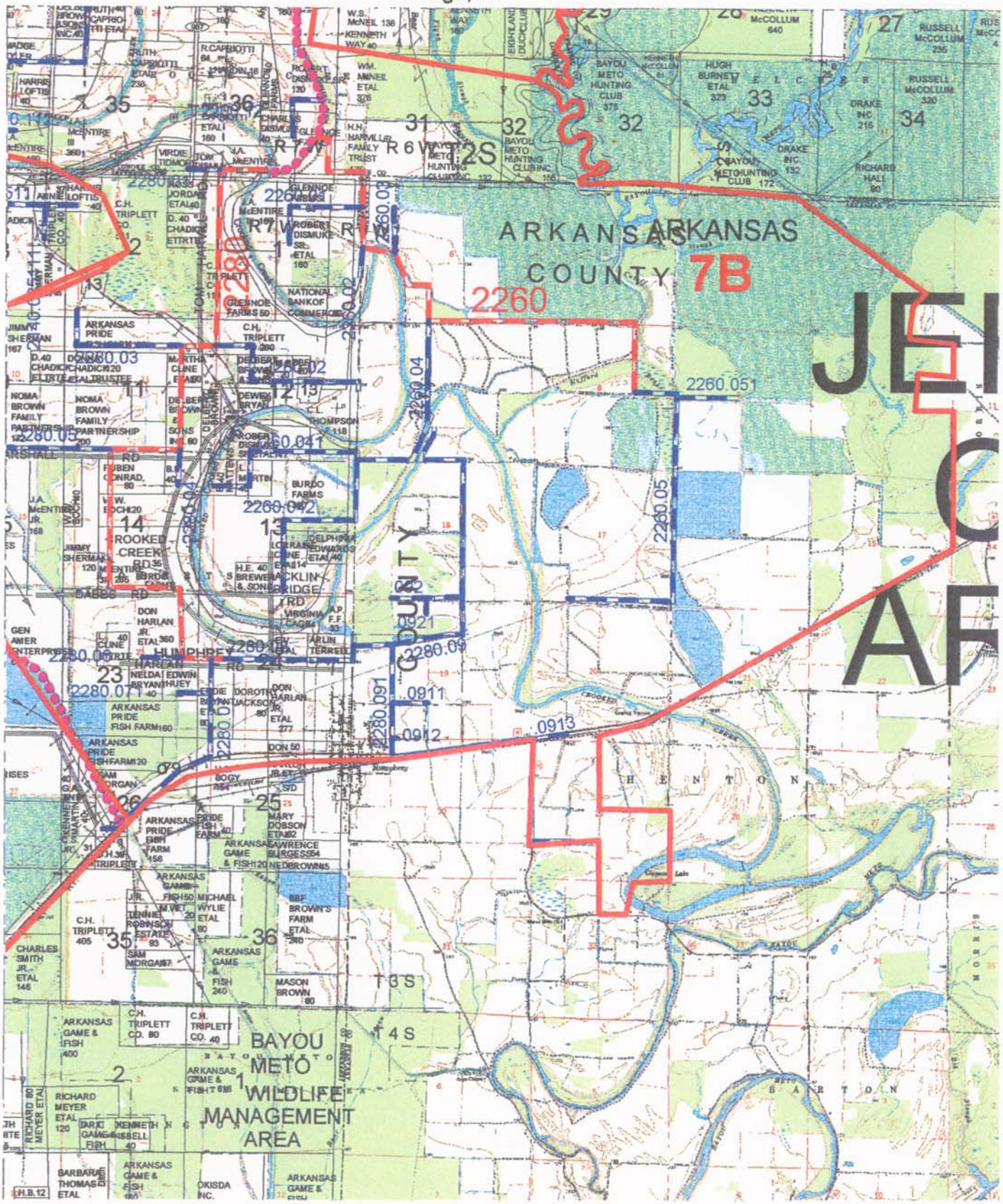
N

SCALE=1:62,500

Humnoke, AR
Property Ownership

Geridge, AR

Gethsemane, AR



Stuttgart South, AR

Humphrey SW, AR

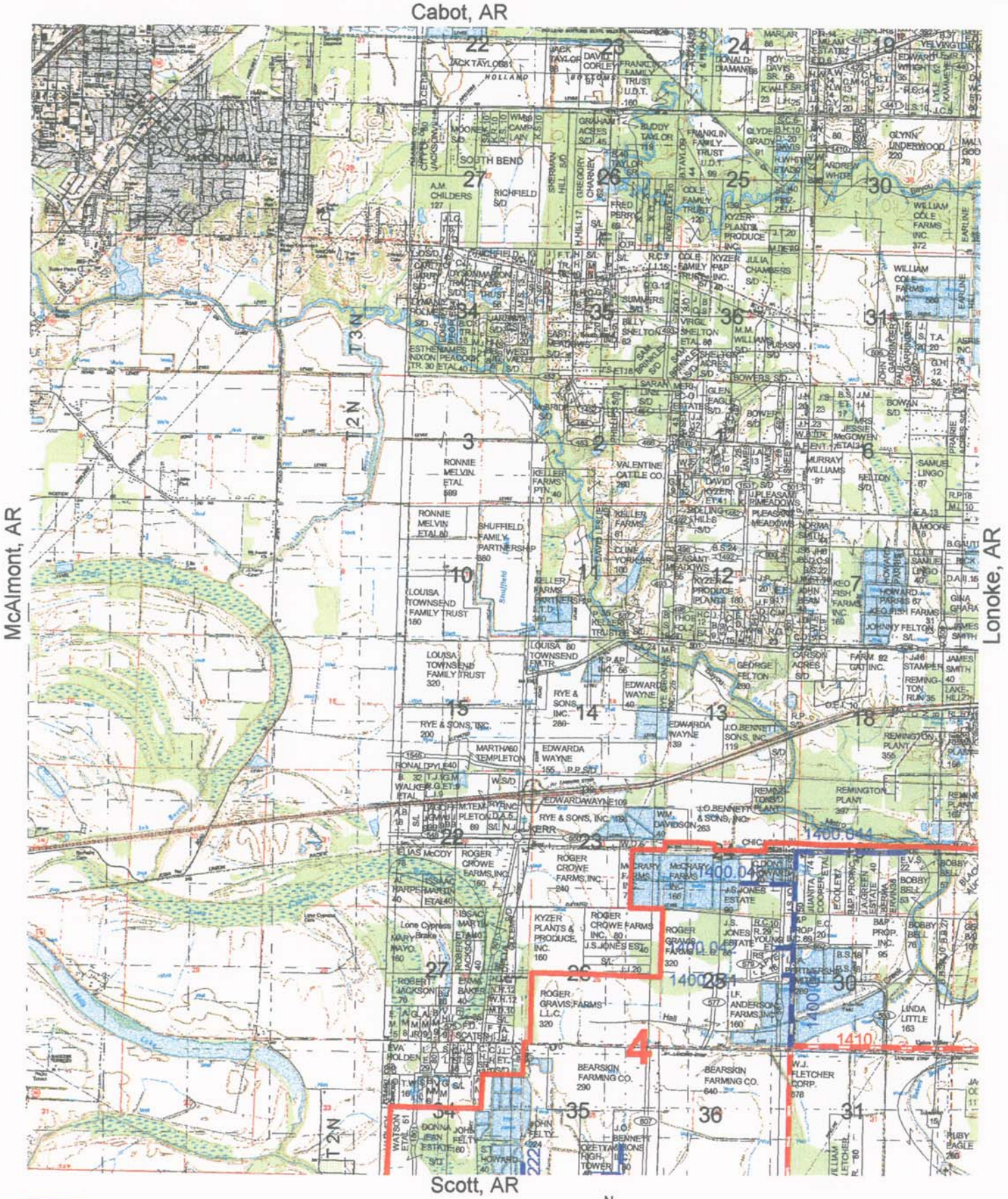
US Army Corps of Engineers
Memphis District

Construction Reaches
Pipelines
Canals
Ditches
Bayou Meto Improvement Project Area

N

SCALE=1:62,500

Humphrey NW, AR Property Ownership



US Army Corps of Engineers
Memphis District

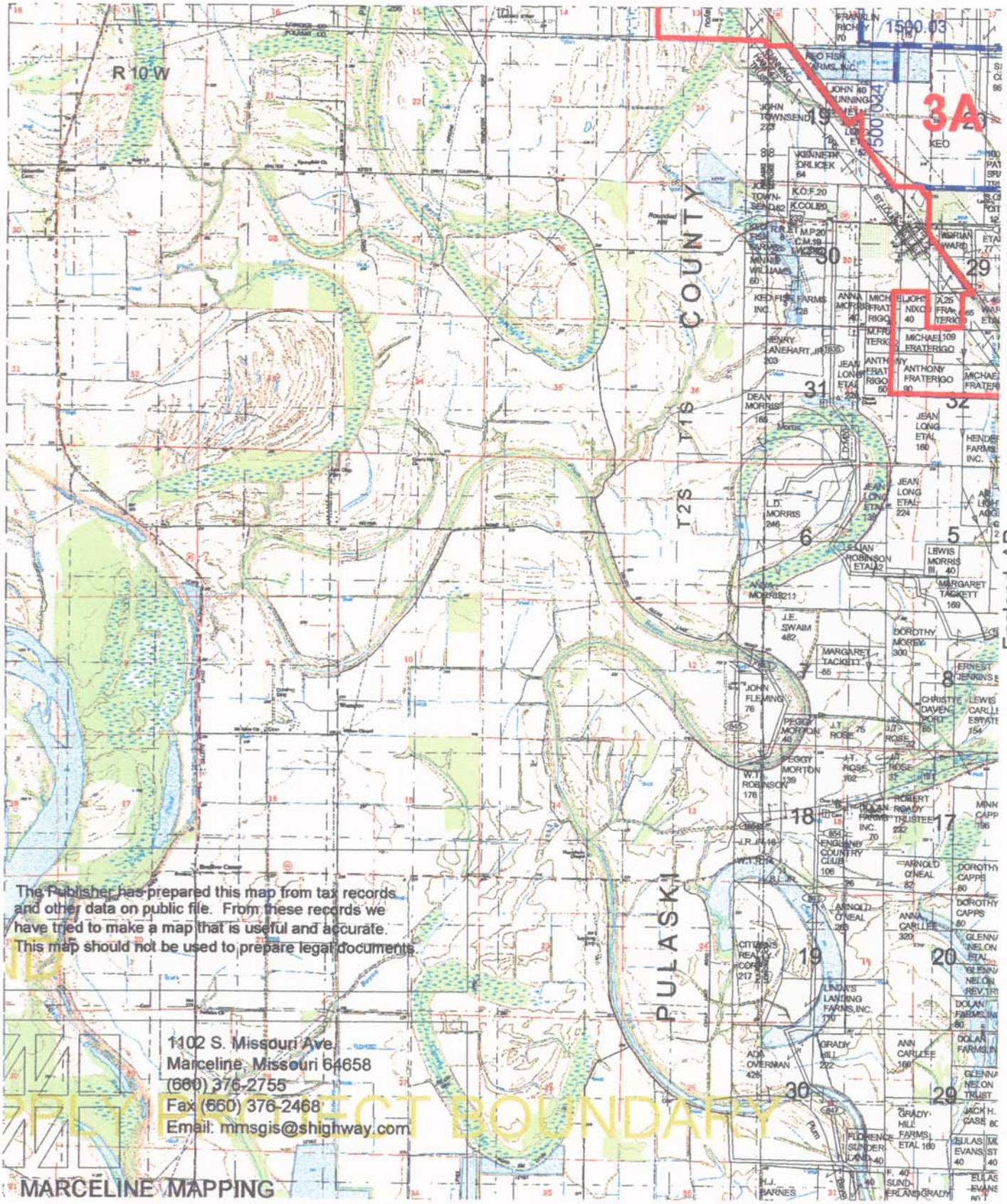
Construction Reaches
Pipelines
Canals
Ditches
Bayou Meto Improvement Project Area

N

SCALE=1:62,500

Jacksonville, AR Property Ownership

Scott, AR



Woodson, AR

England, AR

Wright, AR

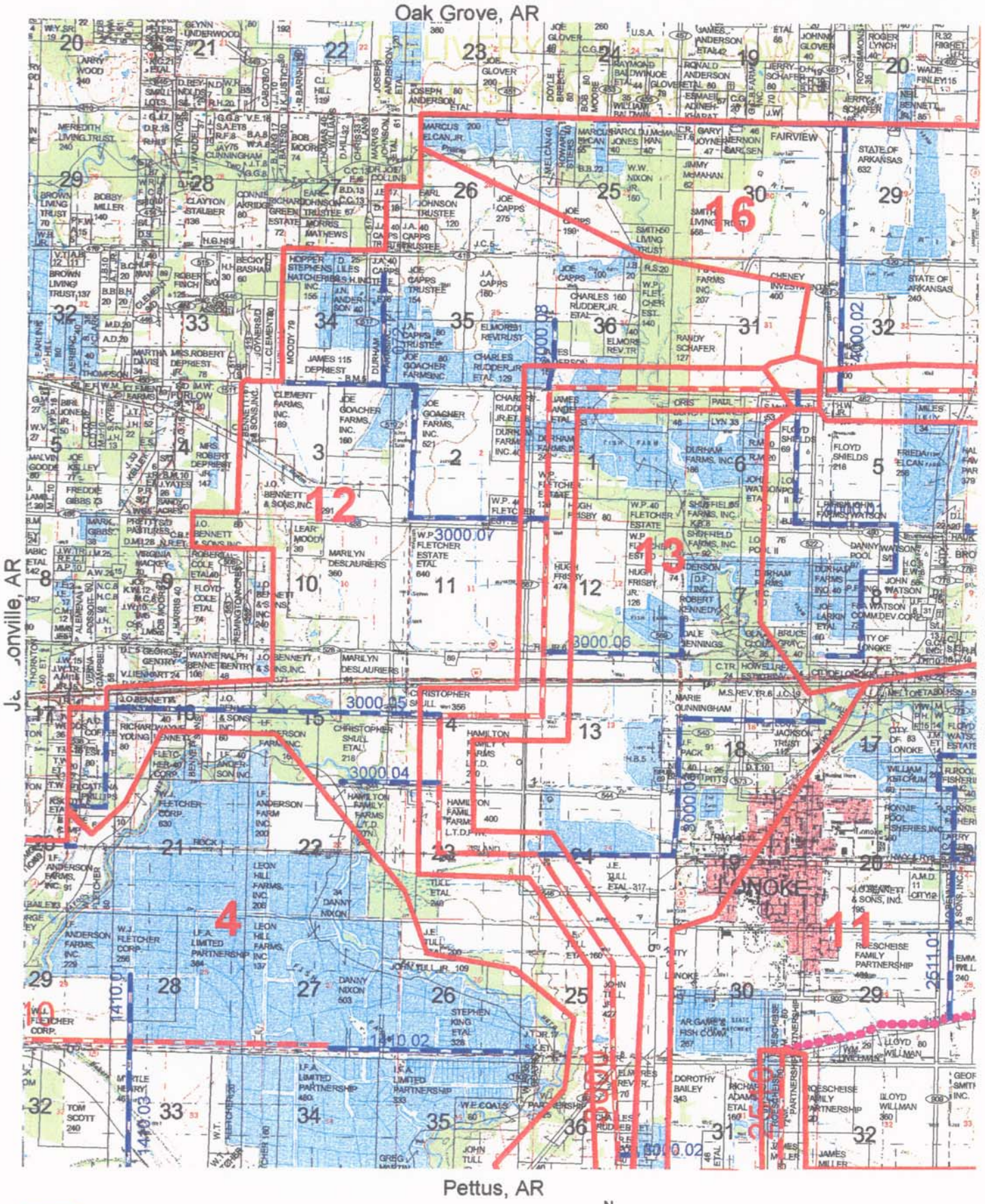
US Army Corps of Engineers
Memphis District

Construction Reaches
Pipelines
Canals
Ditches
Bayou Meto Improvement Project Area

N

SCALE=1:62,500

Keo, AR
Property Ownership



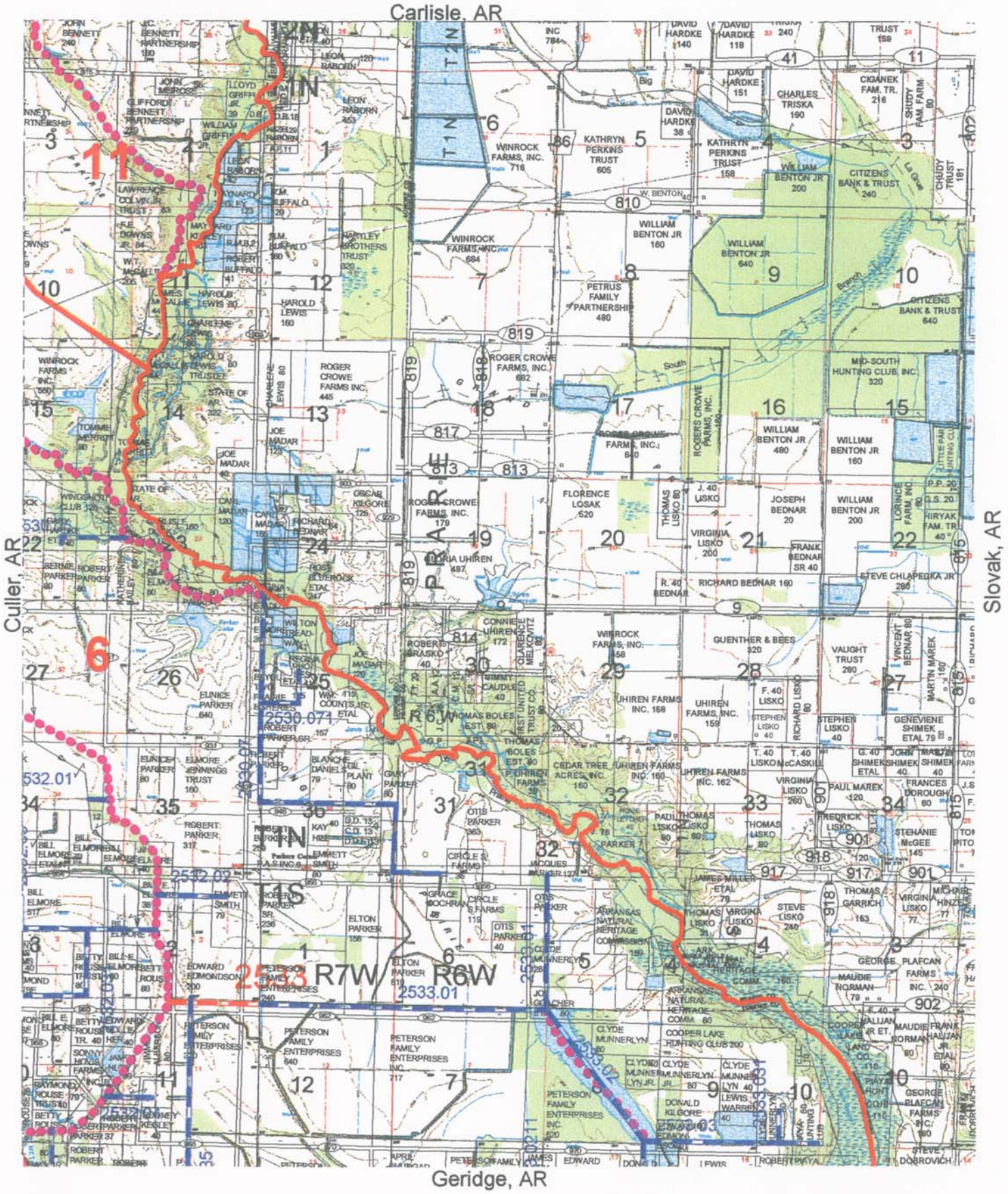
US Army Corps of Engineers
Memphis District

Construction Reaches
Pipelines
Canals
Ditches
Bayou Meto Improvement Project Area

N

SCALE=1:62,500

Lonoke, AR Property Ownership



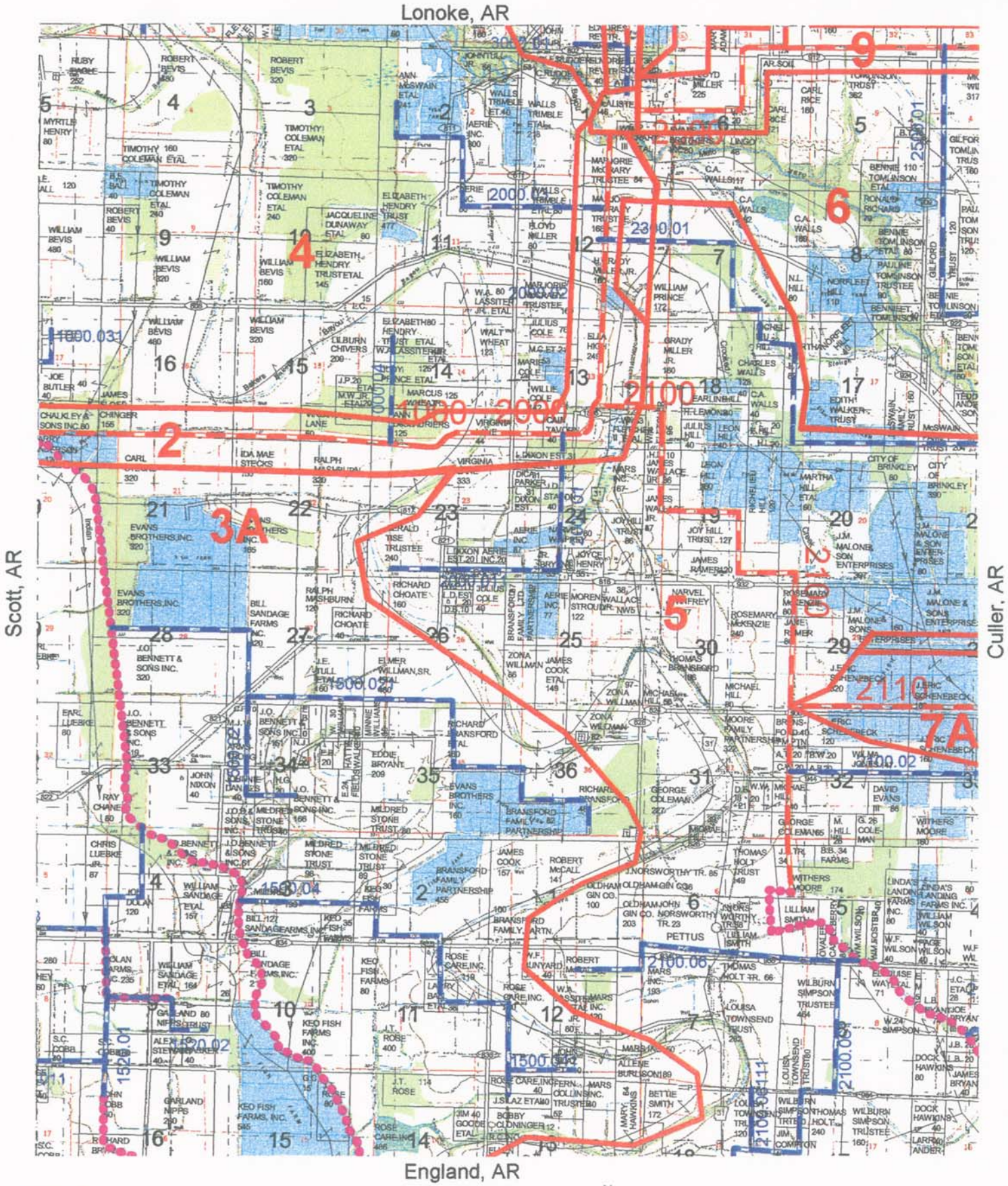
US Army Corps of Engineers
Memphis District

Construction Reaches
Pipelines
Canals
Ditches
Bayou Meto Improvement Project Area

N

SCALE=1:62,500

Parkers Corner, AR Property Ownership



US Army Corps of Engineers
Memphis District

Construction Reaches
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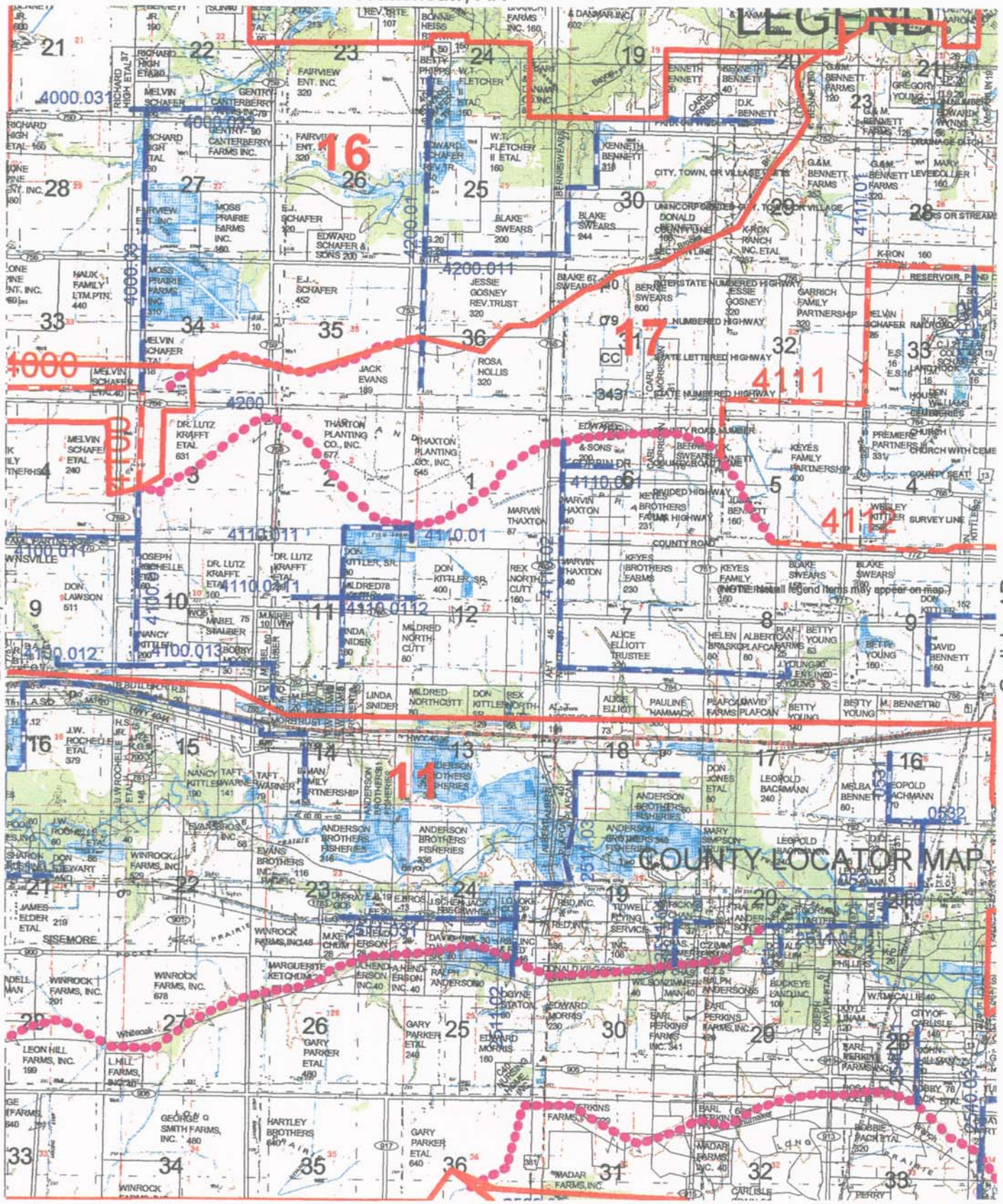
Ditches
Bayou Meto Improvement Project Area

N

SCALE=1:62,500

Pettus, AR Property Ownership

Wattensaw, AR



Culler, AR

N

SCALE=1:62,500

US Army Corps of Engineers
Memphis District

Construction Reaches
Pipelines
Canals
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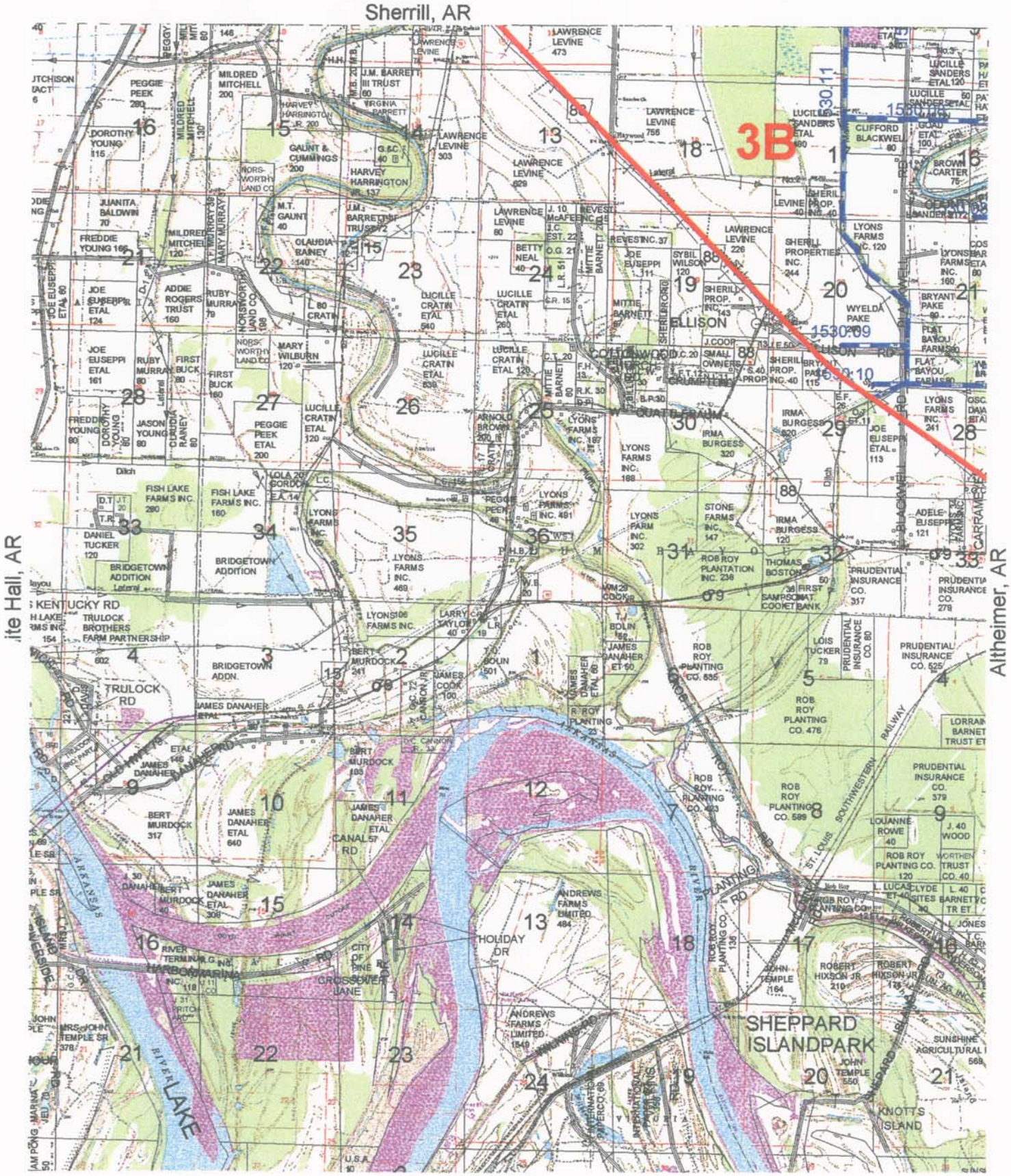
Bayou Meto Improvement Project Area

Pocket Prairie, AR Property Ownership



US Army Corps of Engineers
Memphis District

Construction Reaches
Pipelines
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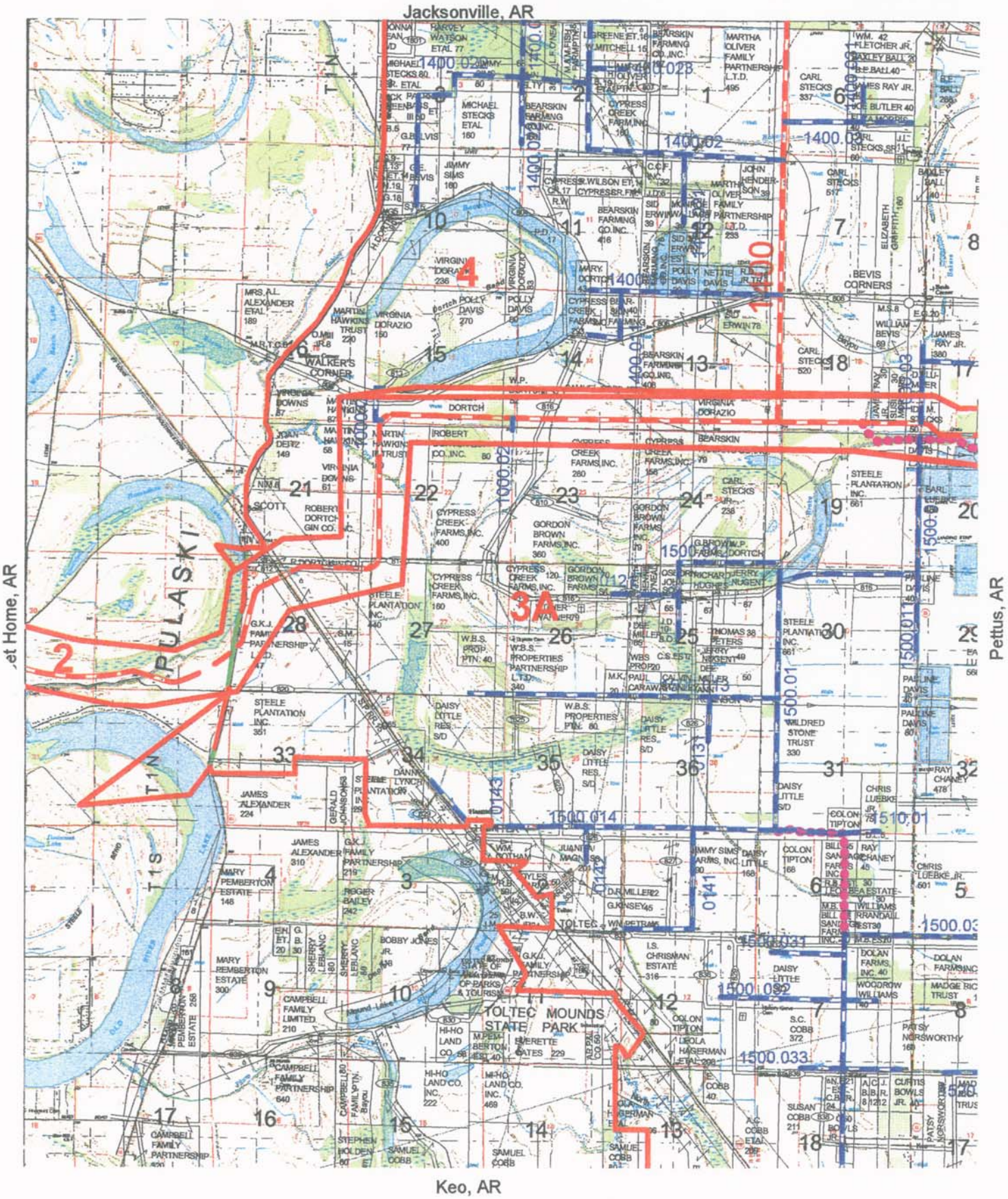
N

SCALE=1:62,500

Rob Roy, AR Property Ownership



US Army Corps of Engineers
Memphis District

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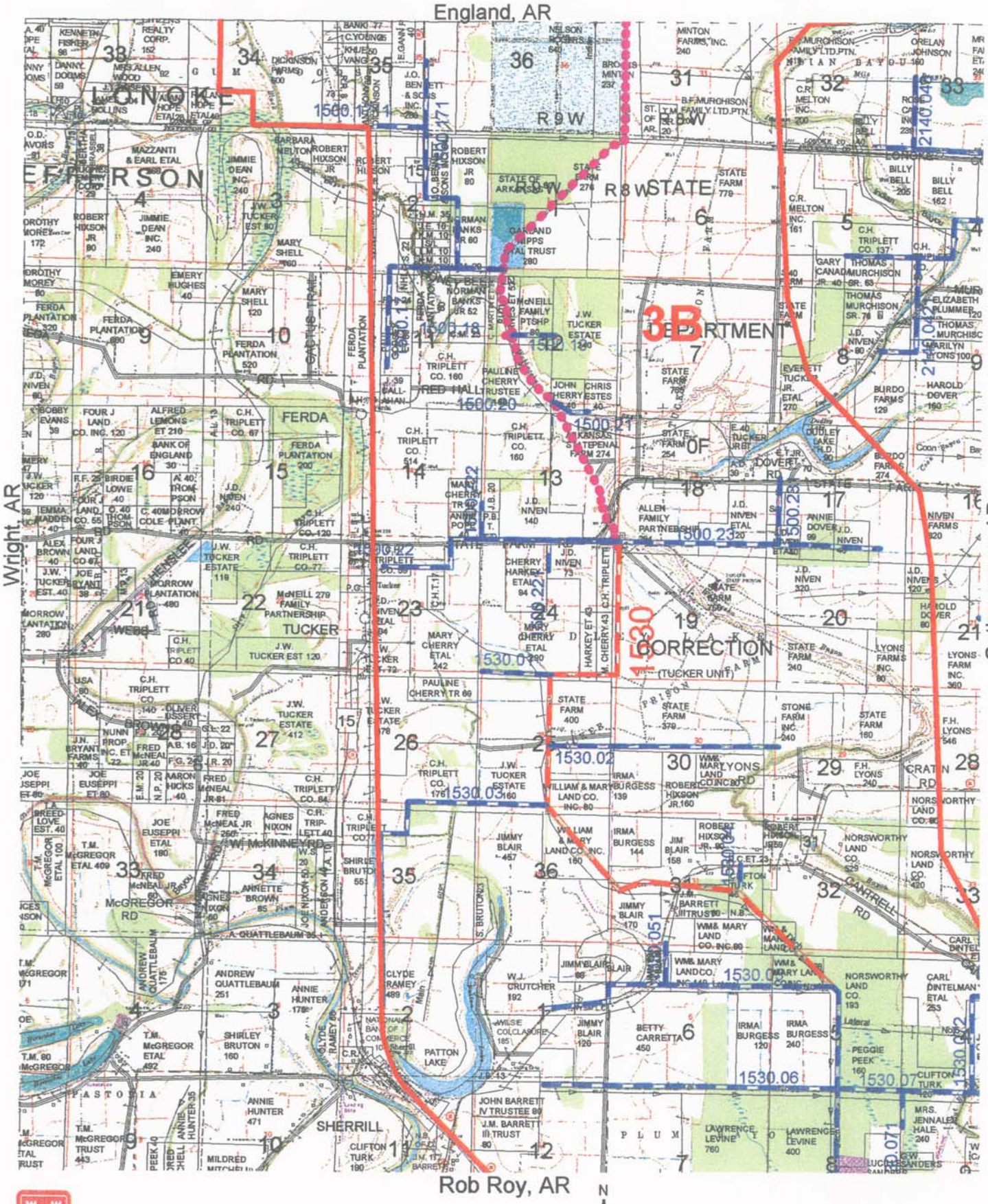
SCALE=1:62,500

Scott, AR Property Ownership



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Memphis District

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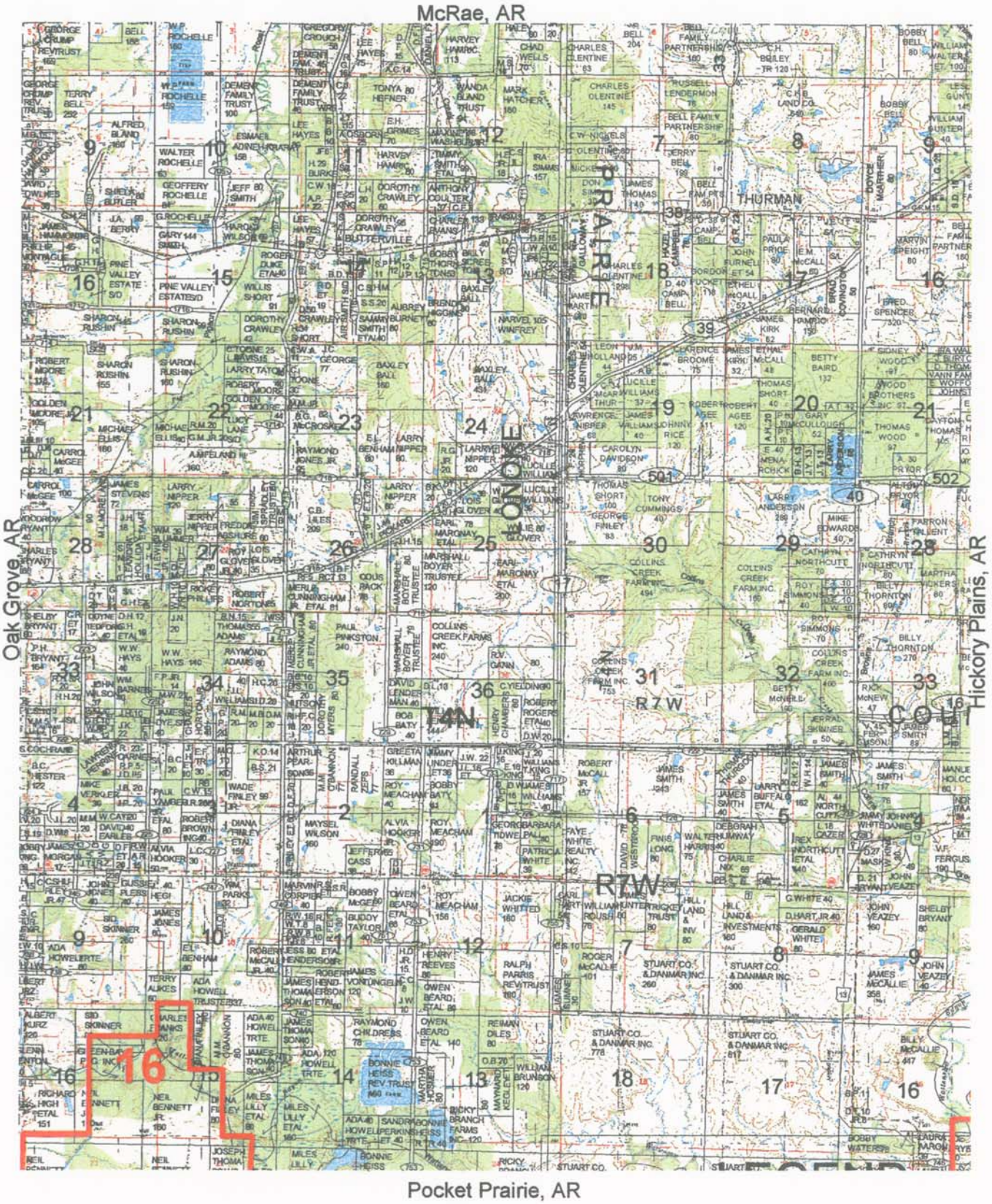
N

SCALE=1:62,500

Sherrill, AR Property Ownership



US Army Corps of Engineers
Memphis District

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SCALE=1:62,500

Wattensaw, AR Property Ownership