

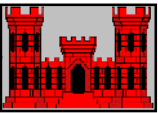
ARKANSAS RIVER NAVIGATION STUDY

Map Sheet 1

Navigation Miles 0-15

ARKANSAS

Prepared by: USACE, Little Rock and Tulsa Districts
July 2005



Legend

Entire MKARNS

- E Navigation River Mile
- Waterways
- Current Maintenance Dredging
- Proposed Deepening Dredging Location

1 Miles

Arkansas

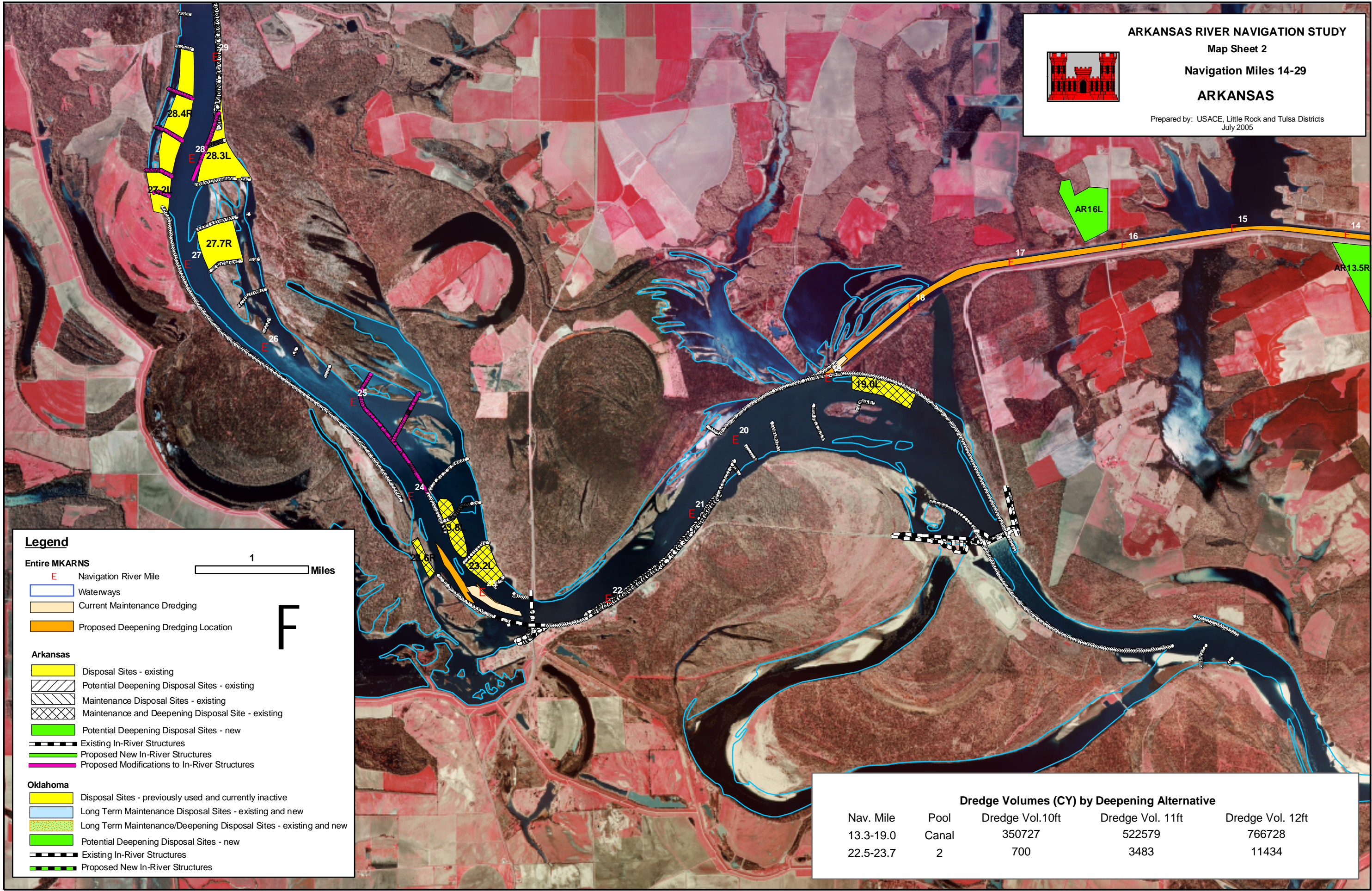
- Disposal Sites - existing
- Potential Deepening Disposal Sites - existing
- Maintenance Disposal Sites - existing
- Maintenance and Deepening Disposal Site - existing
- Potential Deepening Disposal Sites - new
- Existing In-River Structures
- Proposed New In-River Structures
- Proposed Modifications to In-River Structures

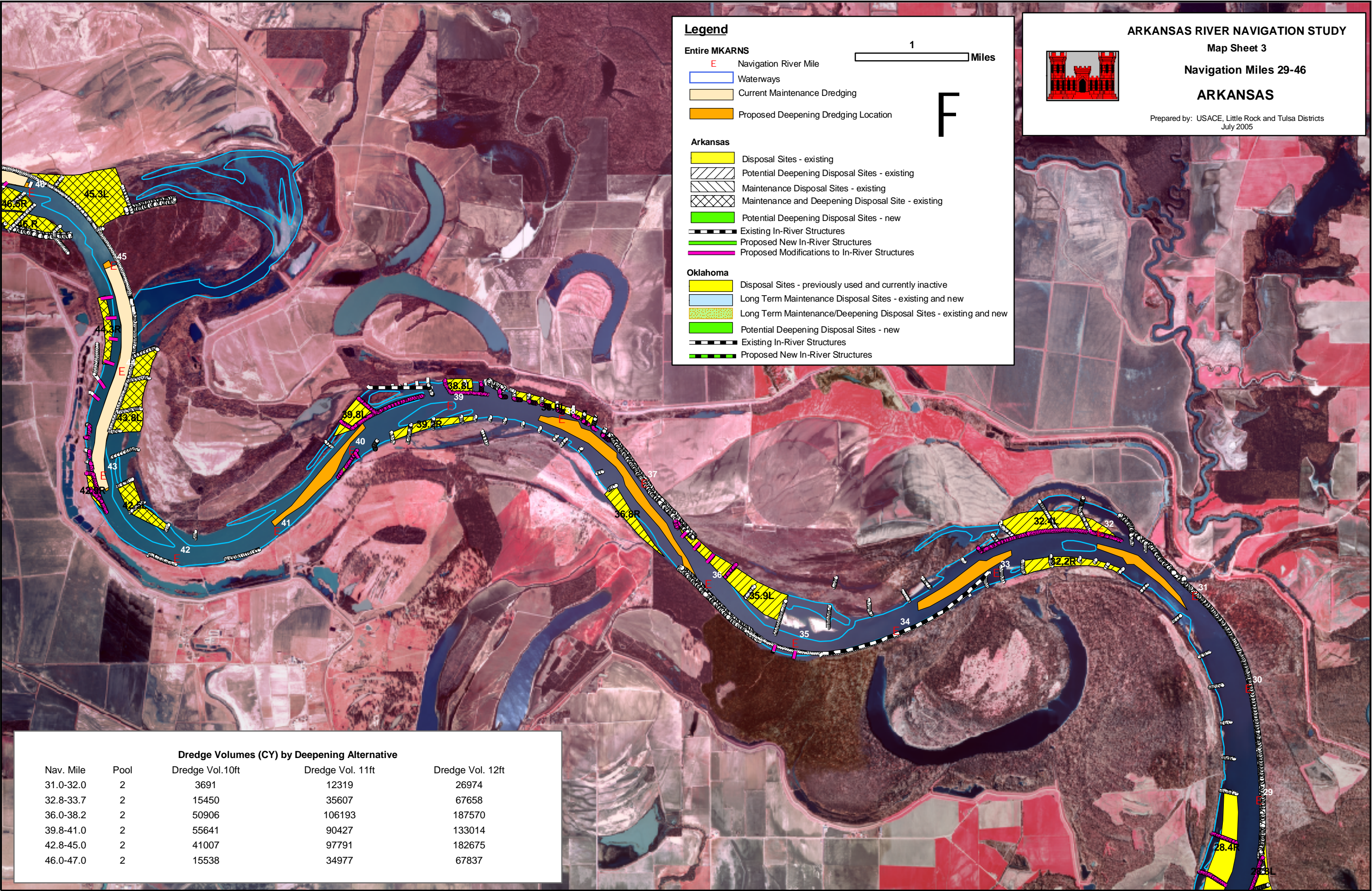
Oklahoma

- Disposal Sites - previously used and currently inactive
- Long Term Maintenance Disposal Sites - existing and new
- Long Term Maintenance/Deepening Disposal Sites - existing and new
- Potential Deepening Disposal Sites - new
- Existing In-River Structures
- Proposed New In-River Structures

Dredge Volumes (CY) by Deepening Alternative

Nav. Mile	Pool	Dredge Vol.10ft	Dredge Vol. 11ft	Dredge Vol. 12ft
10.3-13.3	Canal	231214	338188	501173
13.3-19.0	Canal	350727	522579	766728





Legend

- Entire MKARNS
- E Navigation River Mile
 - Waterways
 - Current Maintenance Dredging
 - Proposed Deepening Dredging Location
- 1 Miles
- F

Arkansas

- Disposal Sites - existing
- Potential Deepening Disposal Sites - existing
- Maintenance Disposal Sites - existing
- Maintenance and Deepening Disposal Site - existing
- Potential Deepening Disposal Sites - new
- Existing In-River Structures
- Proposed New In-River Structures
- Proposed Modifications to In-River Structures

Oklahoma

- Disposal Sites - previously used and currently inactive
- Long Term Maintenance Disposal Sites - existing and new
- Long Term Maintenance/Deepening Disposal Sites - existing and new
- Potential Deepening Disposal Sites - new
- Existing In-River Structures
- Proposed New In-River Structures

ARKANSAS RIVER NAVIGATION STUDY

Map Sheet 3

Navigation Miles 29-46

ARKANSAS

Prepared by: USACE, Little Rock and Tulsa Districts
July 2005

Dredge Volumes (CY) by Deepening Alternative

Nav. Mile	Pool	Dredge Vol.10ft	Dredge Vol. 11ft	Dredge Vol. 12ft
31.0-32.0	2	3691	12319	26974
32.8-33.7	2	15450	35607	67658
36.0-38.2	2	50906	106193	187570
39.8-41.0	2	55641	90427	133014
42.8-45.0	2	41007	97791	182675
46.0-47.0	2	15538	34977	67837

ARKANSAS RIVER NAVIGATION STUDY

Map Sheet 4

Navigation Miles 46-59

ARKANSAS

Prepared by: USACE, Little Rock and Tulsa Districts
July 2005



Legend

- Entire MKARNS
- E Navigation River Mile
 - Waterways
 - Current Maintenance Dredging
 - Proposed Deepening Dredging Location
- Arkansas
- Disposal Sites - existing
 - Potential Deepening Disposal Sites - existing
 - Maintenance Disposal Sites - existing
 - Maintenance and Deepening Disposal Site - existing
 - Potential Deepening Disposal Sites - new
 - Existing In-River Structures
 - Proposed New In-River Structures
 - Proposed Modifications to In-River Structures
- Oklahoma
- Disposal Sites - previously used and currently inactive
 - Long Term Maintenance Disposal Sites - existing and new
 - Long Term Maintenance/Deepening Disposal Sites - existing and new
 - Potential Deepening Disposal Sites - new
 - Existing In-River Structures
 - Proposed New In-River Structures
- 1 Miles
- F

Dredge Volumes (CY) by Deepening Alternative

Nav. Mile	Pool	Dredge Vol. 10ft	Dredge Vol. 11ft	Dredge Vol. 12ft
46.0-47.0	2	15538	34977	67837
48.0-49.0	2	20631	40299	69807
49.5-50.0	2	3232	6783	11526

ARKANSAS RIVER NAVIGATION STUDY

Map Sheet 5

Navigation Miles 59-73

ARKANSAS

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Legend

- Entire MKARNS
- E Navigation River Mile
 - Waterways
 - Current Maintenance Dredging
 - Proposed Deepening Dredging Location
- Arkansas
- Disposal Sites - existing
 - Potential Deepening Disposal Sites - existing
 - Maintenance Disposal Sites - existing
 - Maintenance and Deepening Disposal Site - existing
 - Potential Deepening Disposal Sites - new
 - Existing In-River Structures
 - Proposed New In-River Structures
 - Proposed Modifications to In-River Structures
- Oklahoma
- Disposal Sites - previously used and currently inactive
 - Long Term Maintenance Disposal Sites - existing and new
 - Long Term Maintenance/Deepening Disposal Sites - existing and new
 - Potential Deepening Disposal Sites - new
 - Existing In-River Structures
 - Proposed New In-River Structures

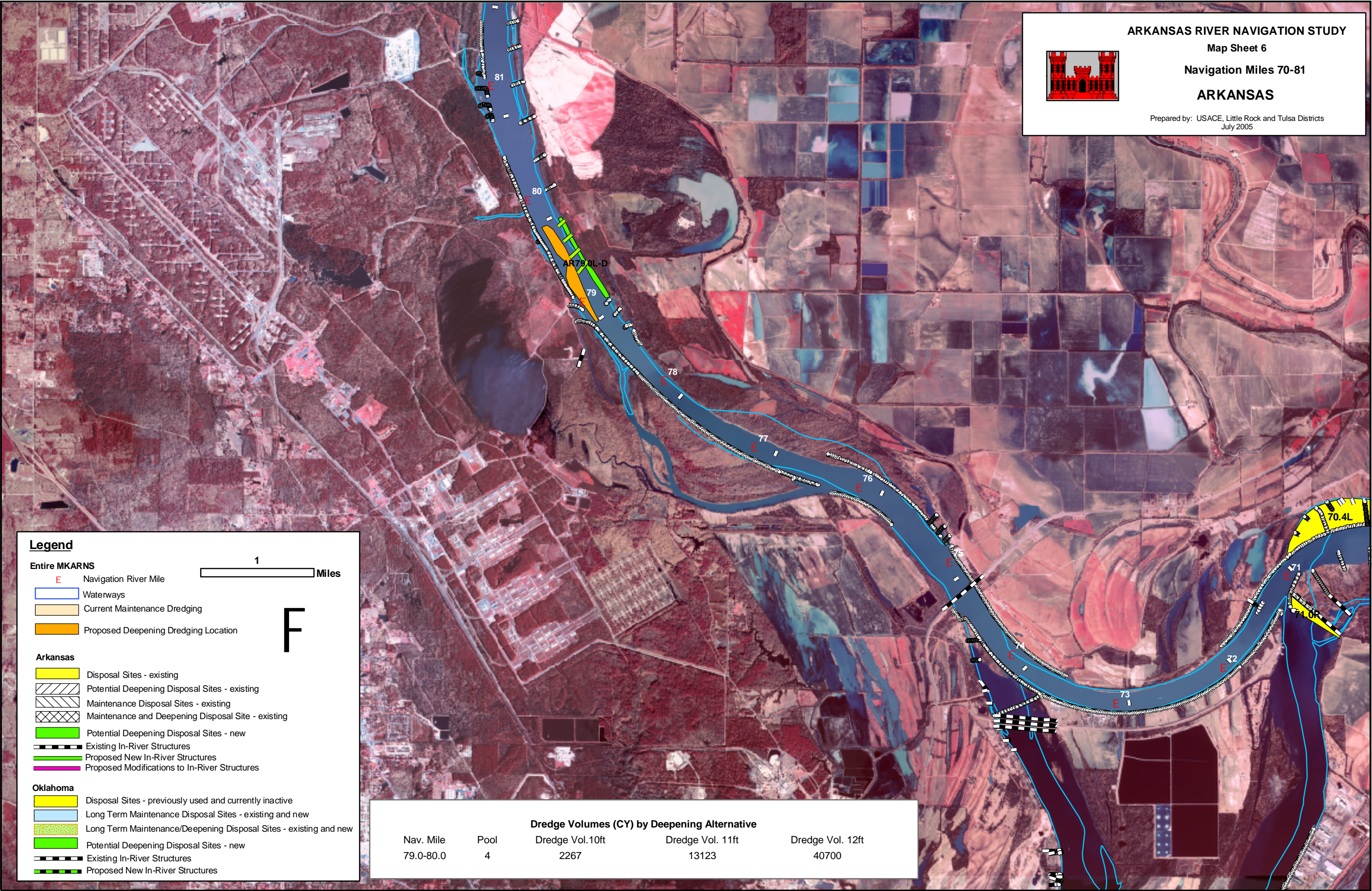
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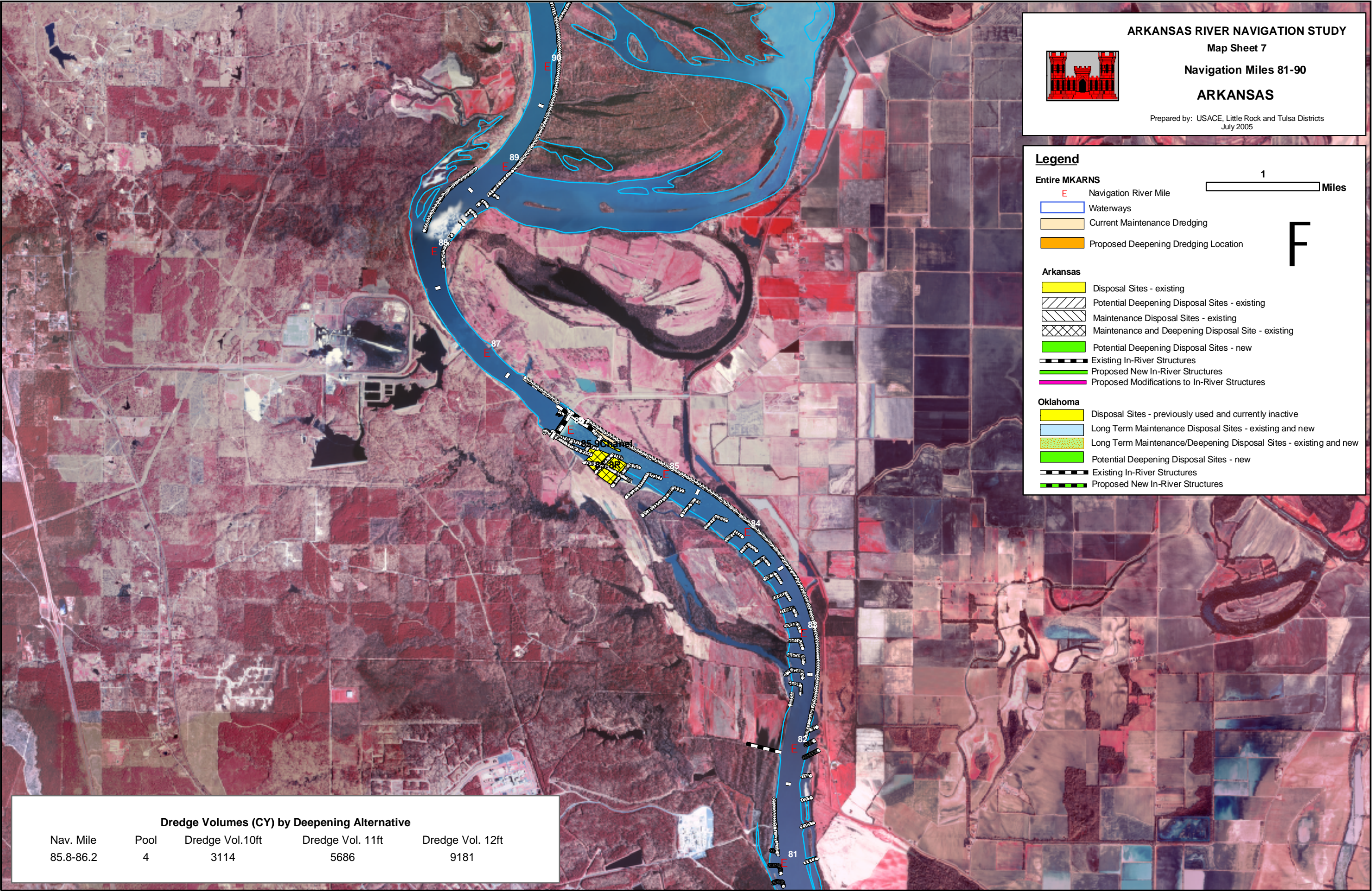
Miles

F

Dredge Volumes (CY) by Deepening Alternative

Nav. Mile	Pool	Dredge Vol. 10ft	Dredge Vol. 11ft	Dredge Vol. 12ft
61.0-62.0	3	361	5007	20641
65.4-65.9	3	1420	2898	5103





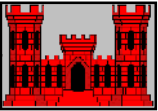
ARKANSAS RIVER NAVIGATION STUDY

Map Sheet 7

Navigation Miles 81-90

ARKANSAS

Prepared by: USACE, Little Rock and Tulsa Districts
July 2005



Legend

Entire MKARNS

- E Navigation River Mile
- Waterways
- Current Maintenance Dredging
- Proposed Deepening Dredging Location

1 Miles

Arkansas

- Disposal Sites - existing
- Potential Deepening Disposal Sites - existing
- Maintenance Disposal Sites - existing
- Maintenance and Deepening Disposal Site - existing
- Potential Deepening Disposal Sites - new
- Existing In-River Structures
- Proposed New In-River Structures
- Proposed Modifications to In-River Structures

Oklahoma

- Disposal Sites - previously used and currently inactive
- Long Term Maintenance Disposal Sites - existing and new
- Long Term Maintenance/Deepening Disposal Sites - existing and new
- Potential Deepening Disposal Sites - new
- Existing In-River Structures
- Proposed New In-River Structures

Dredge Volumes (CY) by Deepening Alternative

Nav. Mile	Pool	Dredge Vol.10ft	Dredge Vol. 11ft	Dredge Vol. 12ft
85.8-86.2	4	3114	5686	9181

Legend

Entire MKARNS

E

Navigation River Mile

Waterways

Current Maintenance Dredging

Proposed Deepening Dredging Location

Arkansas

Disposal Sites - existing

Potential Deepening Disposal Sites - existing

Maintenance Disposal Sites - existing

Maintenance and Deepening Disposal Site - existing

Potential Deepening Disposal Sites - new

Existing In-River Structures

Proposed New In-River Structures

Proposed Modifications to In-River Structures

Oklahoma

Disposal Sites - previously used and currently inactive

Long Term Maintenance Disposal Sites - existing and new

Long Term Maintenance/Deepening Disposal Sites - existing and new

Potential Deepening Disposal Sites - new

Existing In-River Structures

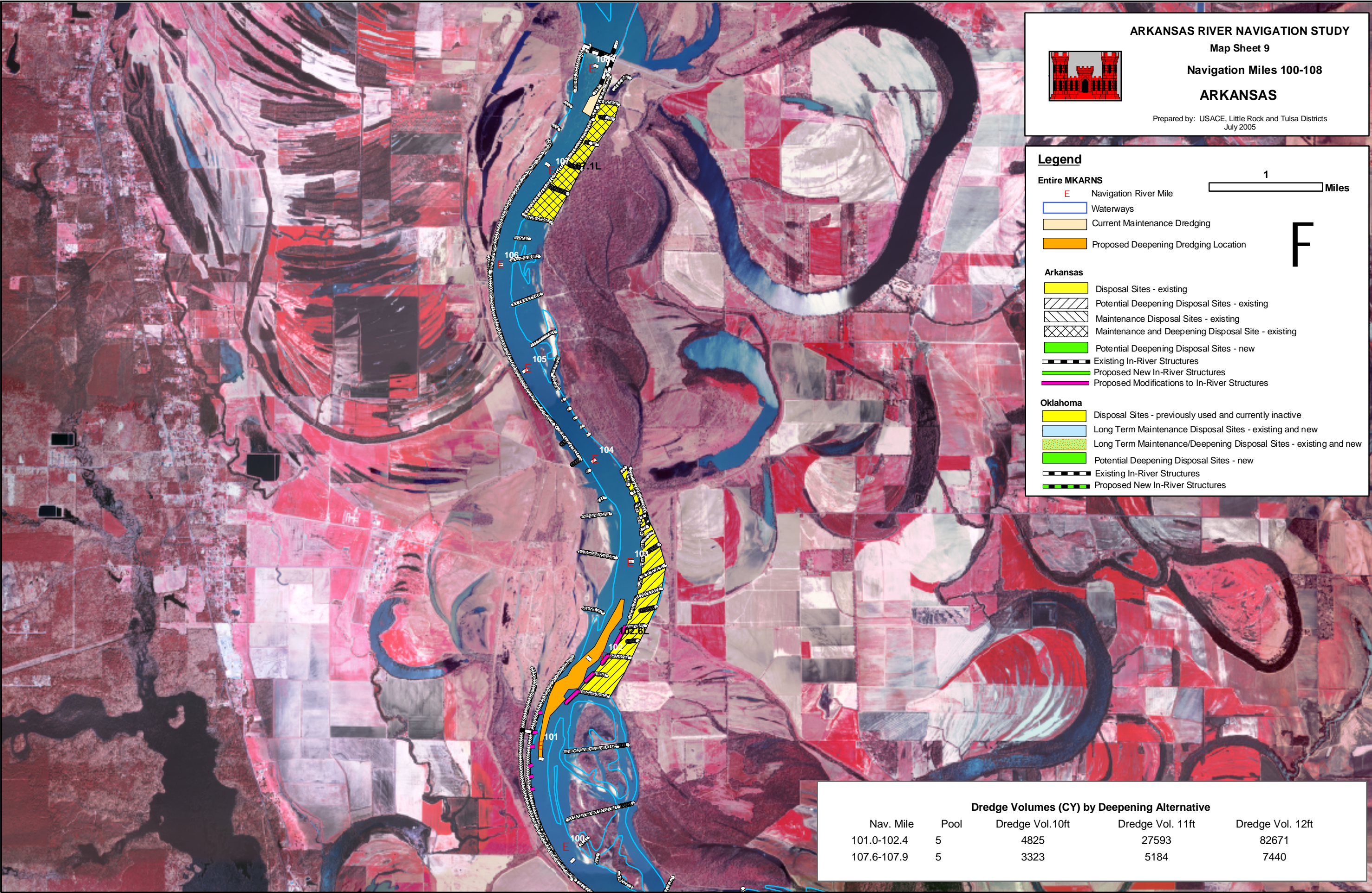
Proposed New In-River Structures

1

Miles

F

Dredge Volumes (CY) by Deepening Alternative				
Nav. Mile	Pool	Dredge Vol.10ft	Dredge Vol. 11ft	Dredge Vol. 12ft
91.0-92.0	5	6090	18273	37408
95.0-97.0	5	79309	155659	268595



ARKANSAS RIVER NAVIGATION STUDY

Map Sheet 10

Navigation Miles 108-120

ARKANSAS

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July 2005



Legend

Entire MKARNS

- E Navigation River Mile
- Waterways
- Current Maintenance Dredging
- Proposed Deepening Dredging Location

1 Miles

Arkansas

- Disposal Sites - existing
- Potential Deepening Disposal Sites - existing
- Maintenance Disposal Sites - existing
- Maintenance and Deepening Disposal Site - existing
- Potential Deepening Disposal Sites - new
- Existing In-River Structures
- Proposed New In-River Structures
- Proposed Modifications to In-River Structures

Oklahoma

- Disposal Sites - previously used and currently inactive
- Long Term Maintenance Disposal Sites - existing and new
- Long Term Maintenance/Deepening Disposal Sites - existing and new
- Potential Deepening Disposal Sites - new
- Existing In-River Structures
- Proposed New In-River Structures

No Deepening Dredging

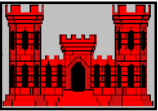
ARKANSAS RIVER NAVIGATION STUDY

Map Sheet 11

Navigation Miles 118-132

ARKANSAS

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July 2005



Legend

Entire MKARNS

- E Navigation River Mile
- Waterways
- Current Maintenance Dredging
- Proposed Deepening Dredging Location

1 Miles

Arkansas

- Disposal Sites - existing
- Potential Deepening Disposal Sites - existing
- Maintenance Disposal Sites - existing
- Maintenance and Deepening Disposal Site - existing
- Potential Deepening Disposal Sites - new
- Existing In-River Structures
- Proposed New In-River Structures
- Proposed Modifications to In-River Structures

Oklahoma

- Disposal Sites - previously used and currently inactive
- Long Term Maintenance Disposal Sites - existing and new
- Long Term Maintenance/Deepening Disposal Sites - existing and new
- Potential Deepening Disposal Sites - new
- Existing In-River Structures
- Proposed New In-River Structures

No Deepening Dredging

Legend

Entire MKARNS

E

Navigation River Mile

Waterways

Current Maintenance Dredging

Proposed Deepening Dredging Location

Arkansas

Disposal Sites - existing

Potential Deepening Disposal Sites - existing

Maintenance Disposal Sites - existing

Maintenance and Deepening Disposal Site - existing

Potential Deepening Disposal Sites - new

Existing In-River Structures

Proposed New In-River Structures

Proposed Modifications to In-River Structures

Oklahoma

Disposal Sites - previously used and currently inactive

Long Term Maintenance Disposal Sites - existing and new

Long Term Maintenance/Deepening Disposal Sites - existing and new

Potential Deepening Disposal Sites - new

Existing In-River Structures


Proposed New In-River Structures

1

Miles

F

Dredge Volumes (CY) by Deepening Alternative				
Nav. Mile	Pool	Dredge Vol. 10ft	Dredge Vol. 11ft	Dredge Vol. 12ft
135.0-135.2	7	0	0	15400
137.3-137.4	7	0	0	6600



ARKANSAS RIVER NAVIGATION STUDY

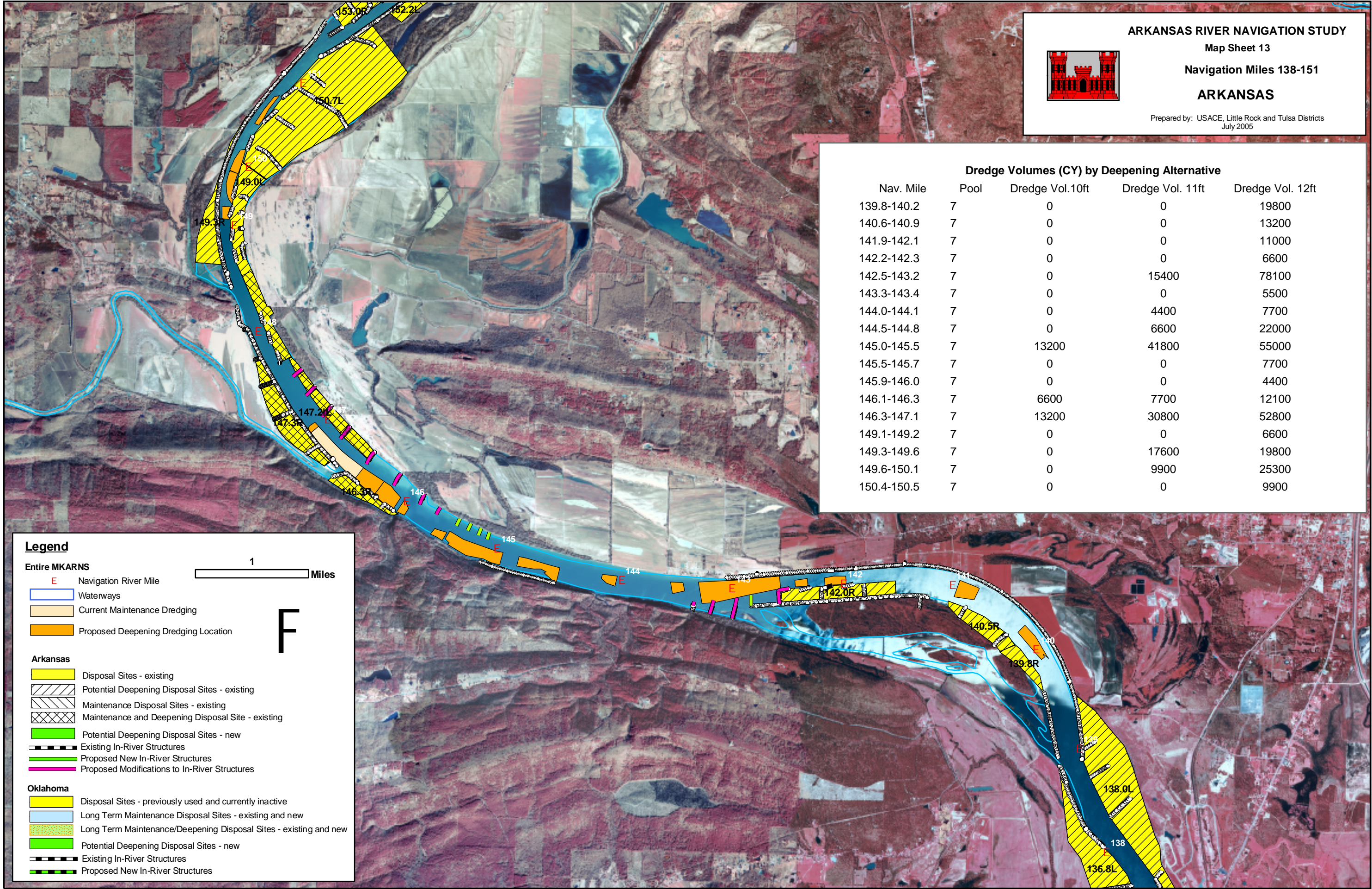
Map Sheet 13

Navigation Miles 138-151

ARKANSAS

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July 2005

Dredge Volumes (CY) by Deepening Alternative				
Nav. Mile	Pool	Dredge Vol. 10ft	Dredge Vol. 11ft	Dredge Vol. 12ft
139.8-140.2	7	0	0	19800
140.6-140.9	7	0	0	13200
141.9-142.1	7	0	0	11000
142.2-142.3	7	0	0	6600
142.5-143.2	7	0	15400	78100
143.3-143.4	7	0	0	5500
144.0-144.1	7	0	4400	7700
144.5-144.8	7	0	6600	22000
145.0-145.5	7	13200	41800	55000
145.5-145.7	7	0	0	7700
145.9-146.0	7	0	0	4400
146.1-146.3	7	6600	7700	12100
146.3-147.1	7	13200	30800	52800
149.1-149.2	7	0	0	6600
149.3-149.6	7	0	17600	19800
149.6-150.1	7	0	9900	25300
150.4-150.5	7	0	0	9900





Legend


Entire MKARNS

E


Navigation River Mile


Waterways


Current Maintenance Dredging


Proposed Deepening Dredging Location


Arkansas


Disposal Sites - existing


Potential Deepening Disposal Sites - existing


Maintenance Disposal Sites - existing

Maintenance and Deepening Disposal Site - existing


Potential Deepening Disposal Sites - new


Existing In-River Structures


Proposed New In-River Structures


Proposed Modifications to In-River Structures


Oklahoma


Disposal Sites - previously used and currently inactive

Long Term Maintenance Disposal Sites - existing and new

Long Term Maintenance/Deepening Disposal Sites - existing and new

Potential Deepening Disposal Sites - new

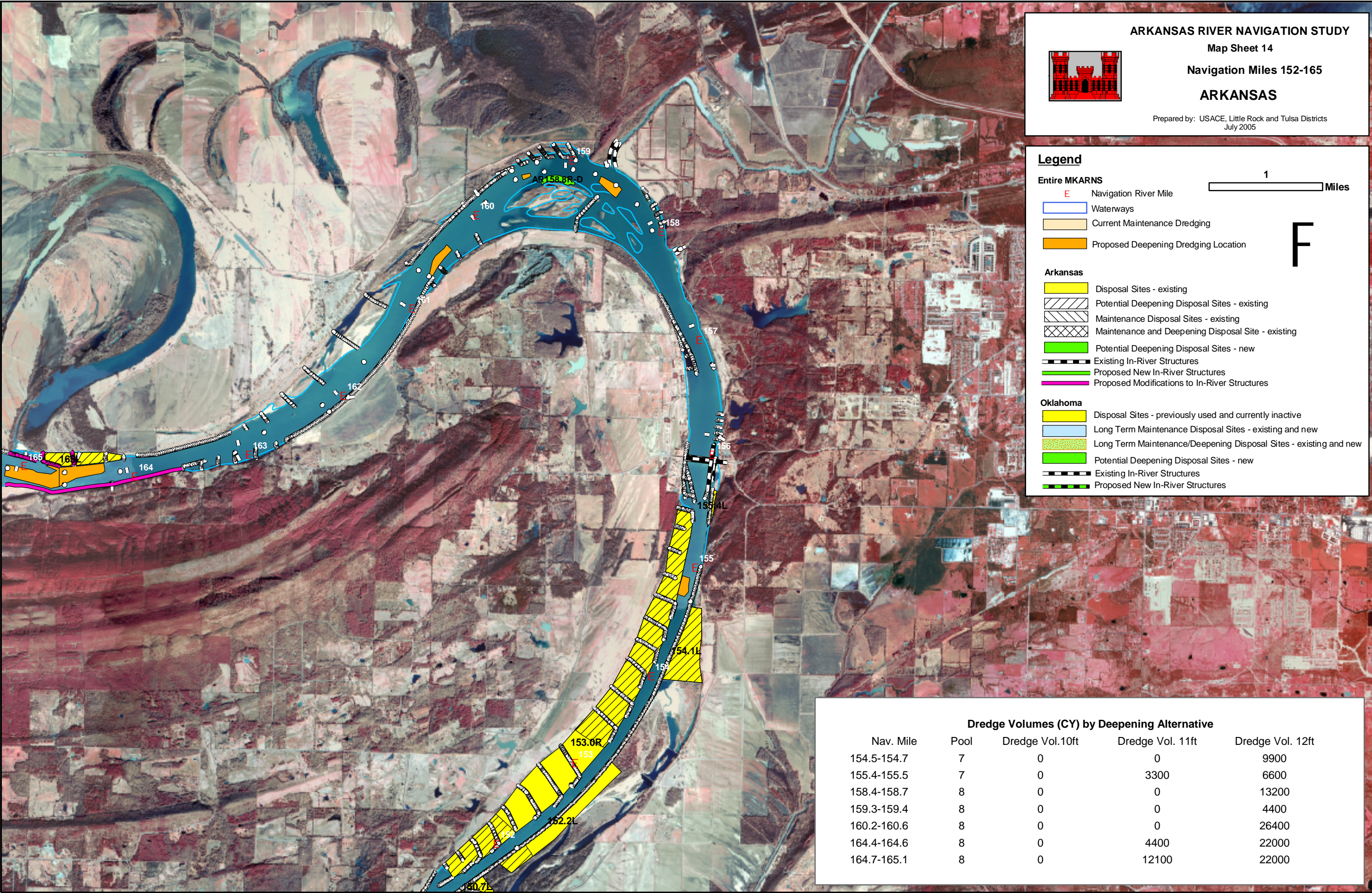
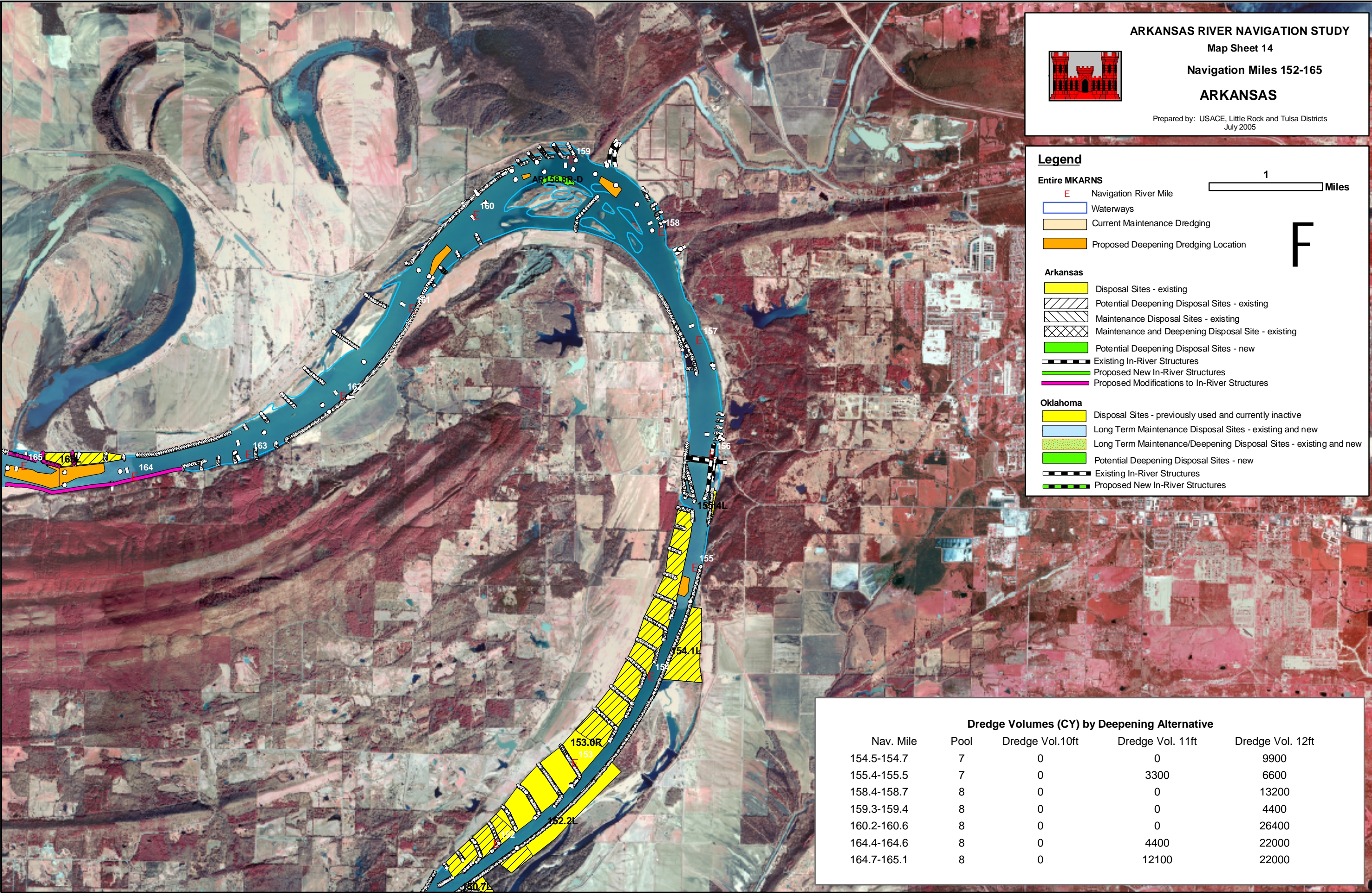
Existing In-River Structures

Proposed New In-River Structures

1

Miles

F



Legend

Entire MKARNS

E

Navigation River Mile

Waterways

Current Maintenance Dredging

Proposed Deepening Dredging Location

Arkansas

Disposal Sites - existing

Potential Deepening Disposal Sites - existing

Maintenance Disposal Sites - existing

Maintenance and Deepening Disposal Site - existing

Potential Deepening Disposal Sites - new

Existing In-River Structures

Proposed New In-River Structures

Proposed Modifications to In-River Structures

Oklahoma

Disposal Sites - previously used and currently inactive

Long Term Maintenance Disposal Sites - existing and new

Long Term Maintenance/Deepening Disposal Sites - existing and new

Potential Deepening Disposal Sites - new

Existing In-River Structures

Proposed New In-River Structures

1

Miles

F

Dredge Volumes (CY) by Deepening Alternative				
Nav. Mile	Pool	Dredge Vol. 10ft	Dredge Vol. 11ft	Dredge Vol. 12ft
164.7-165.1	8	0	12100	22000
166.9-166.0	8	0	0	4400
168.4-169.1	8	13200	14300	33000
169.2-169.5	8	0	12100	13200
176.4-176.5	8	0	0	2200
174.0-174.3	8	13200	14300	15400
174.9-175.2	8	17600	17600	17600
178.7-179.2	9	8800	9900	28600
179.5-179.7	9	9900	11000	11000
180.8-180.9	9	6600	7700	7700
181.6-182.0	9	0	12100	28600

Legend

Entire MKARNS

E

Navigation River Mile

Waterways

Current Maintenance Dredging

Proposed Deepening Dredging Location

1

Miles

F

Arkansas

Disposal Sites - existing

Potential Deepening Disposal Sites - existing

Maintenance Disposal Sites - existing

Maintenance and Deepening Disposal Site - existing

Potential Deepening Disposal Sites - new

Existing In-River Structures

Proposed New In-River Structures

Proposed Modifications to In-River Structures

Oklahoma

Disposal Sites - previously used and currently inactive

Long Term Maintenance Disposal Sites - existing and new

Long Term Maintenance/Deepening Disposal Sites - existing and new

Potential Deepening Disposal Sites - new

Existing In-River Structures

Proposed New In-River Structures

ARKANSAS RIVER NAVIGATION STUDY

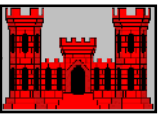
Map Sheet 16

Navigation Miles 179-193

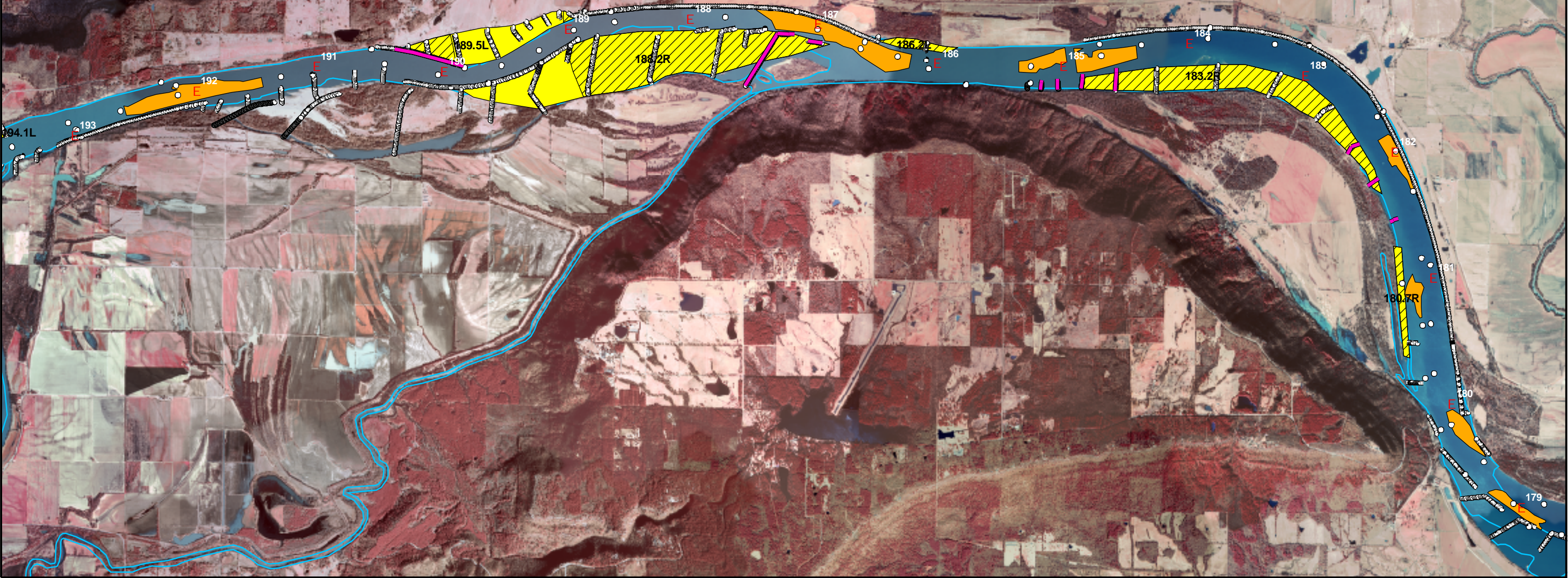
ARKANSAS


Prepared by: USACE, Little Rock and Tulsa Districts

July 2005



Dredge Volumes (CY) by Deepening Alternative				
Nav. Mile	Pool	Dredge Vol. 10ft	Dredge Vol. 11ft	Dredge Vol. 12ft
181.6-182.0	9	0	12100	28600
184.3-184.8	9	0	0	28600
184.9-185.3	9	11000	14300	23100
186.1-187.4	9	53900	57200	77000
191.3-192.4	9	0	4400	63800





ARKANSAS RIVER NAVIGATION STUDY

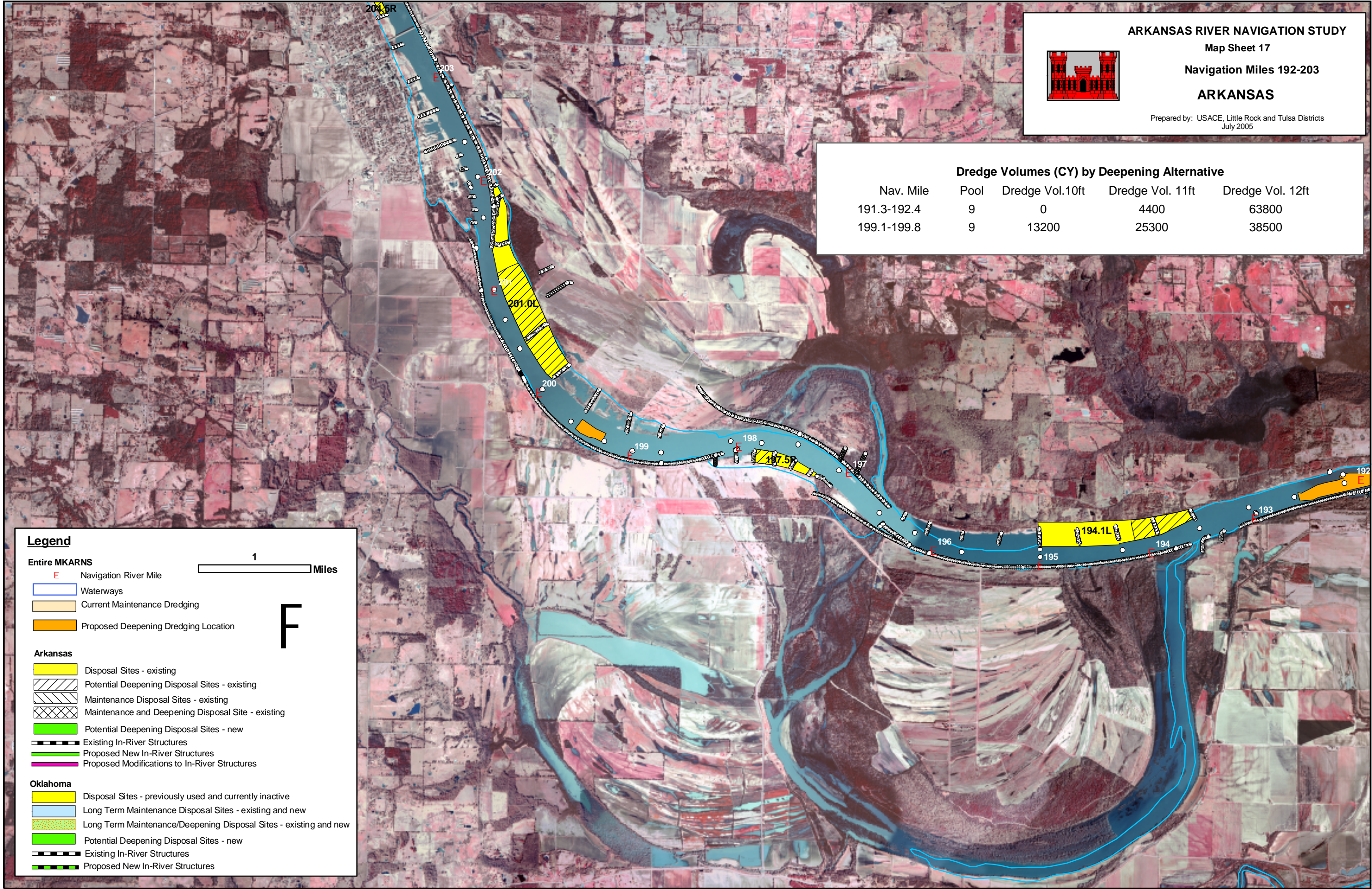
Map Sheet 17

Navigation Miles 192-203

ARKANSAS

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July 2005

Dredge Volumes (CY) by Deepening Alternative				
Nav. Mile	Pool	Dredge Vol.10ft	Dredge Vol. 11ft	Dredge Vol. 12ft
191.3-192.4	9	0	4400	63800
199.1-199.8	9	13200	25300	38500



Legend

Entire MKARNS

E

Navigation River Mile

Waterways

Current Maintenance Dredging

Proposed Deepening Dredging Location

Arkansas

Disposal Sites - existing

Potential Deepening Disposal Sites - existing

Maintenance Disposal Sites - existing

Maintenance and Deepening Disposal Site - existing

Potential Deepening Disposal Sites - new

Existing In-River Structures

Proposed New In-River Structures

Proposed Modifications to In-River Structures

Oklahoma

Disposal Sites - previously used and currently inactive

Long Term Maintenance Disposal Sites - existing and new

Long Term Maintenance/Deepening Disposal Sites - existing and new

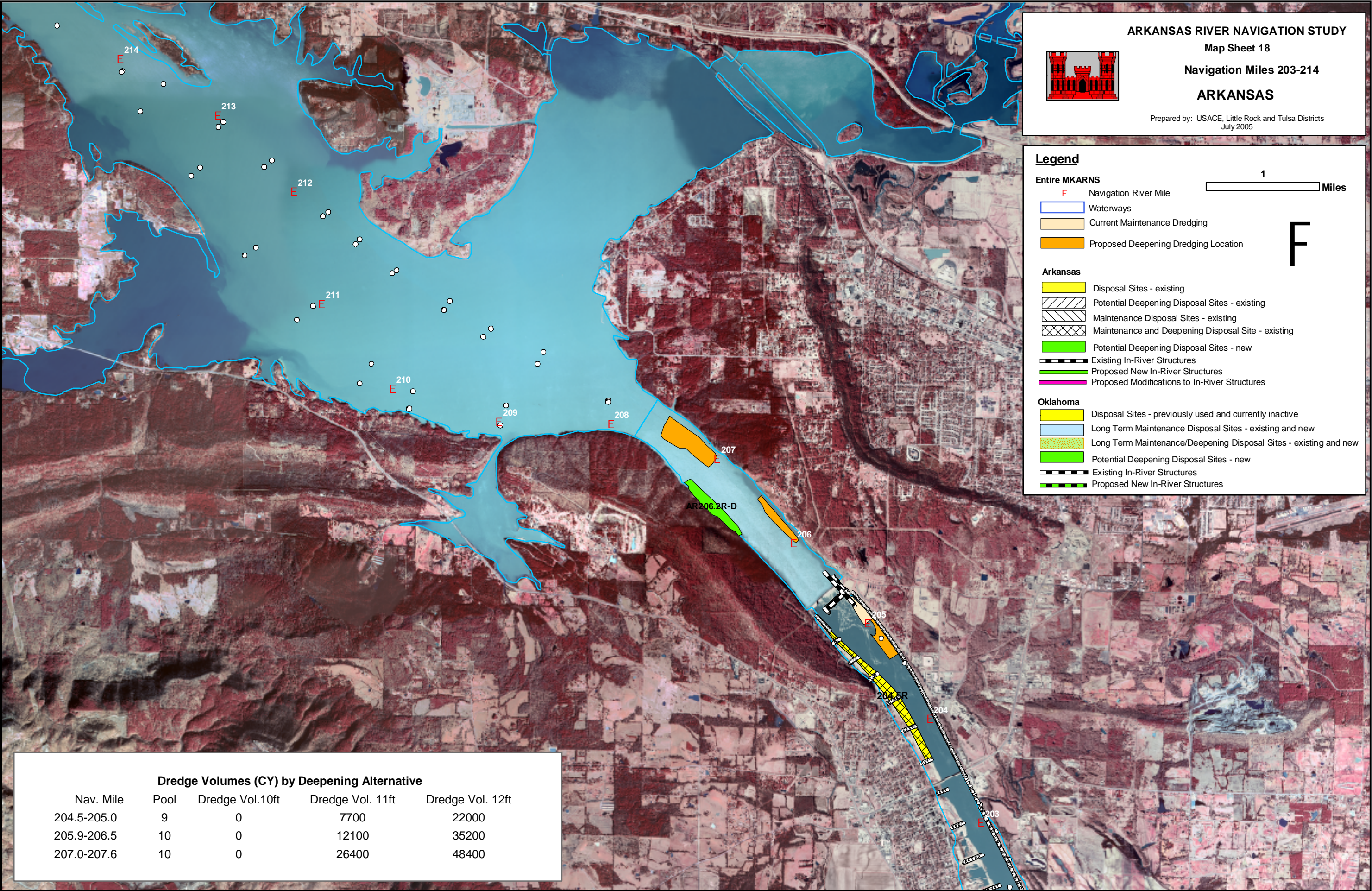
Potential Deepening Disposal Sites - new

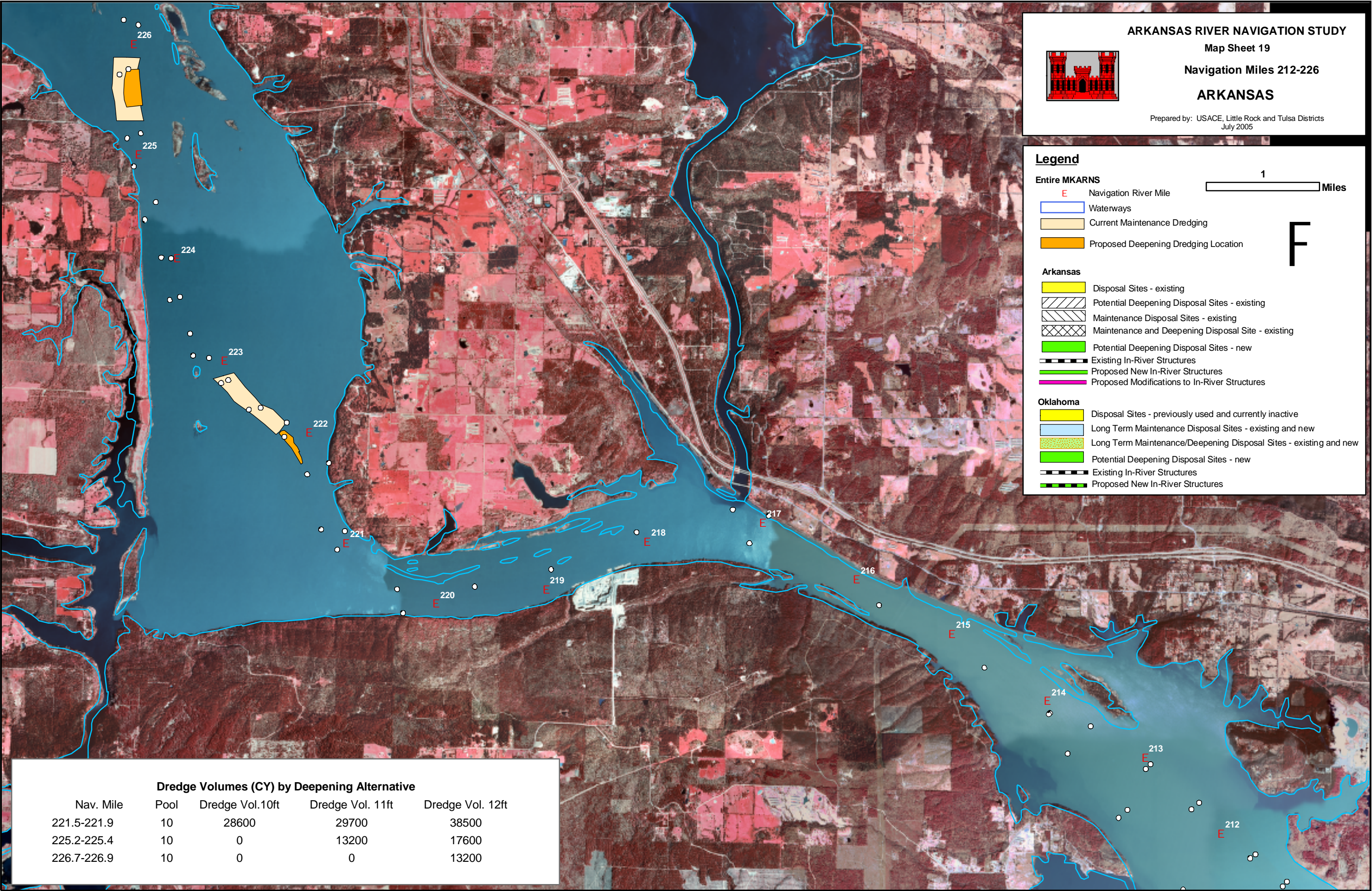
Existing In-River Structures

Proposed New In-River Structures

1

Miles





Legend

- Entire MKARNS
- E Navigation River Mile
- Waterways
- Current Maintenance Dredging
- Proposed Deepening Dredging Location
- Arkansas
- Disposal Sites - existing
- Potential Deepening Disposal Sites - existing
- Maintenance Disposal Sites - existing
- Maintenance and Deepening Disposal Site - existing
- Potential Deepening Disposal Sites - new
- Existing In-River Structures
- Proposed New In-River Structures
- Proposed Modifications to In-River Structures
- Oklahoma
- Disposal Sites - previously used and currently inactive
- Long Term Maintenance Disposal Sites - existing and new
- Long Term Maintenance/Deepening Disposal Sites - existing and new
- Potential Deepening Disposal Sites - new
- Existing In-River Structures
- Proposed New In-River Structures

1

Miles

F

Dredge Volumes (CY) by Deepening Alternative

Nav. Mile	Pool	Dredge Vol.10ft	Dredge Vol. 11ft	Dredge Vol. 12ft
225.2-225.4	10	0	13200	17600
226.7-226.9	10	0	0	13200
228.5-228.8	10	17600	17600	17600
229.5-230.1	10	0	0	34100
232.8-233.4	10	0	0	35200
233.5-233.9	10	0	0	22000
235.9-236.4	10	13200	26400	44000
237.3-239.1	10	44000	73700	132000

ARKANSAS RIVER NAVIGATION STUDY

Map Sheet 20

Navigation Miles 223-239

ARKANSAS

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July 2005

