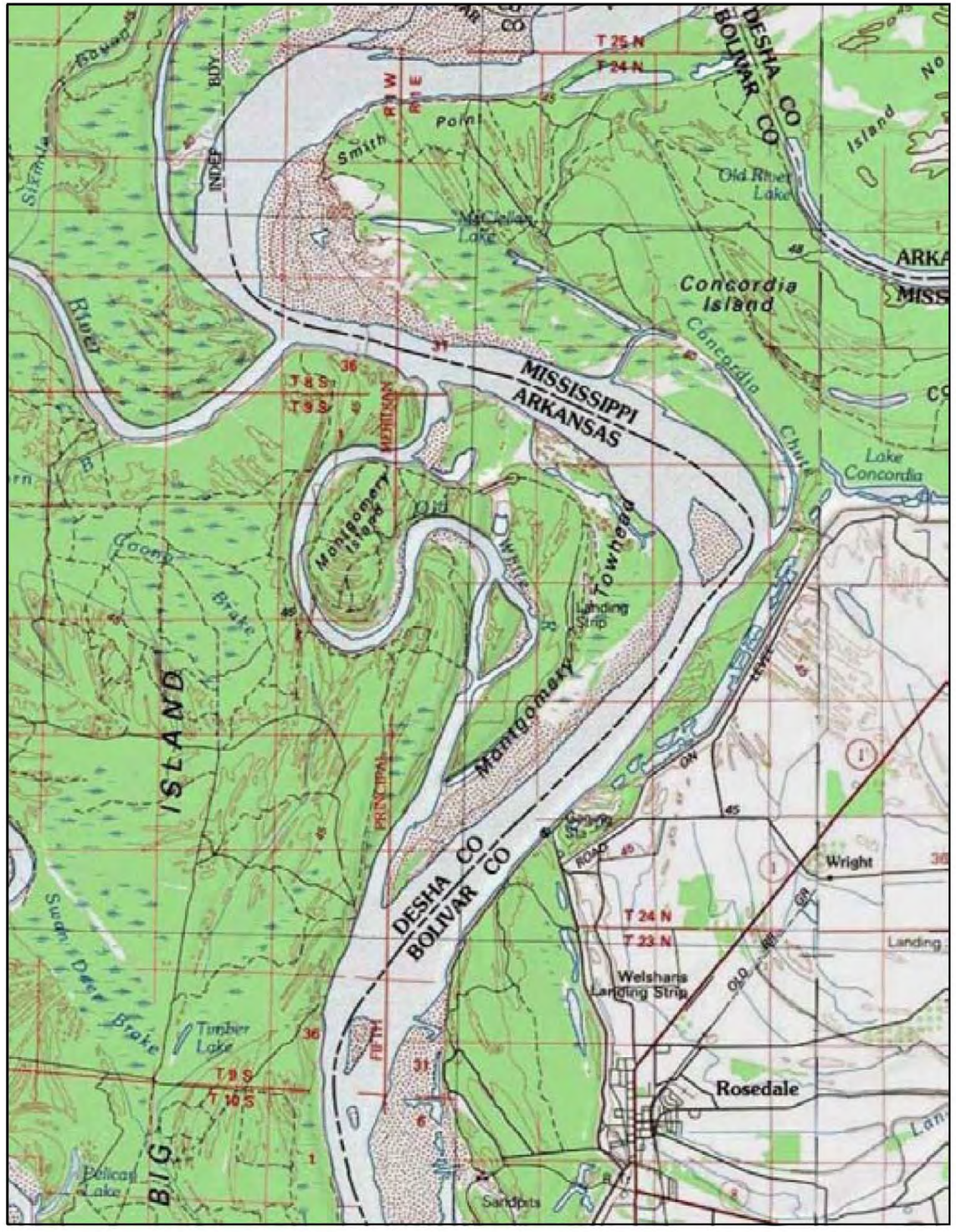

US Army Corps of Engineers
St. Louis District

APPLIED RIVER ENGINEERING CENTER

N
W E
S

PREPARED BY: P. Russell, P.E.
CHECKED BY: J. Brown, P.E.
2008 AERIAL PHOTOGRAPH

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

VICINTIY MAPS

PLATE NUMBER
A1

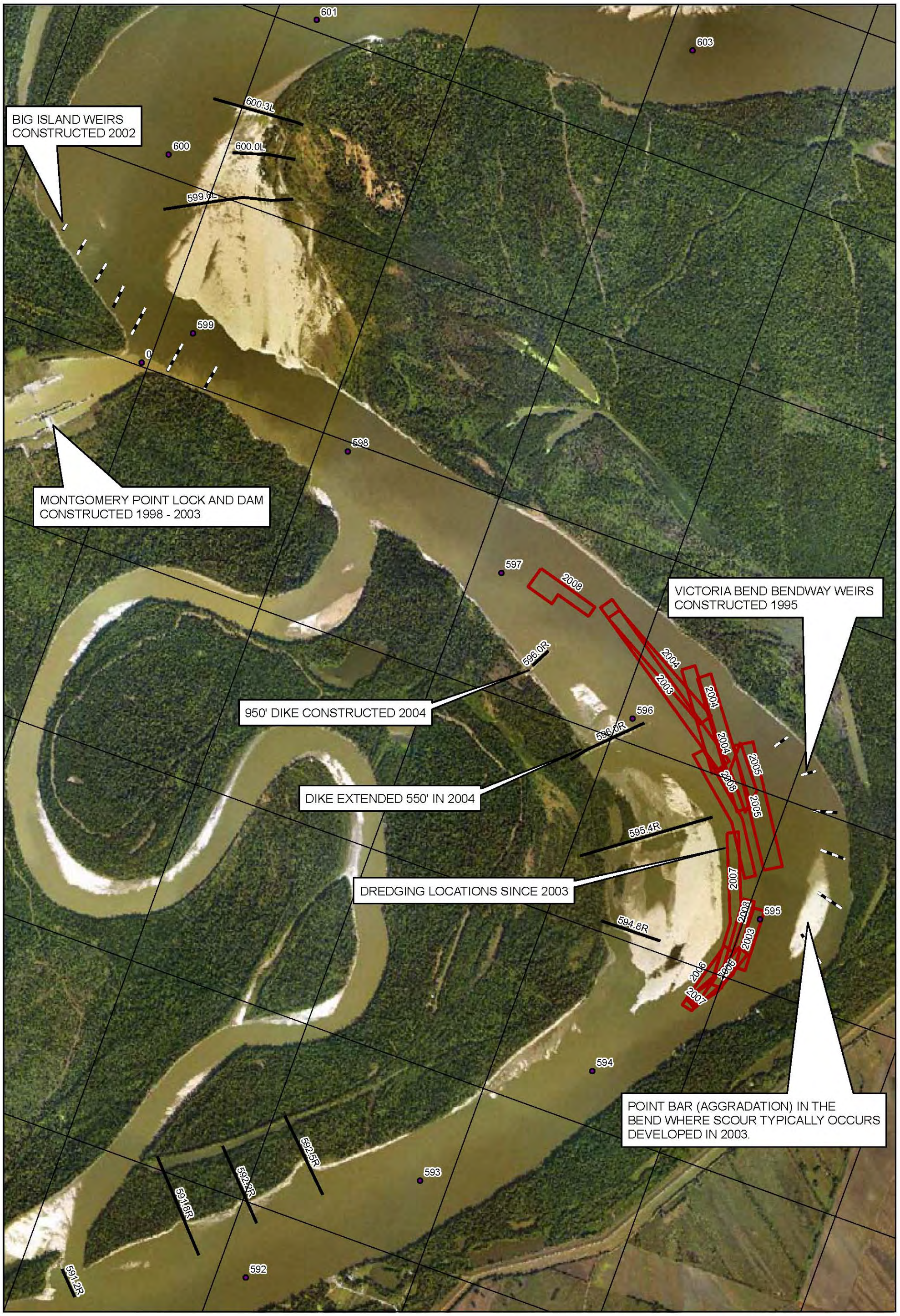

PLATE NUMBER
A2

0 1,000 2,000 Feet

MODEL REACH INFORMATION

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY: P. Russell, P.E.
CHECKED BY: J. Brown, P.E.
2008 AERIAL PHOTOGRAPH

N W E S

APPLIED RIVER ENGINEERING CENTER

US Army Corps of Engineers
St. Louis District

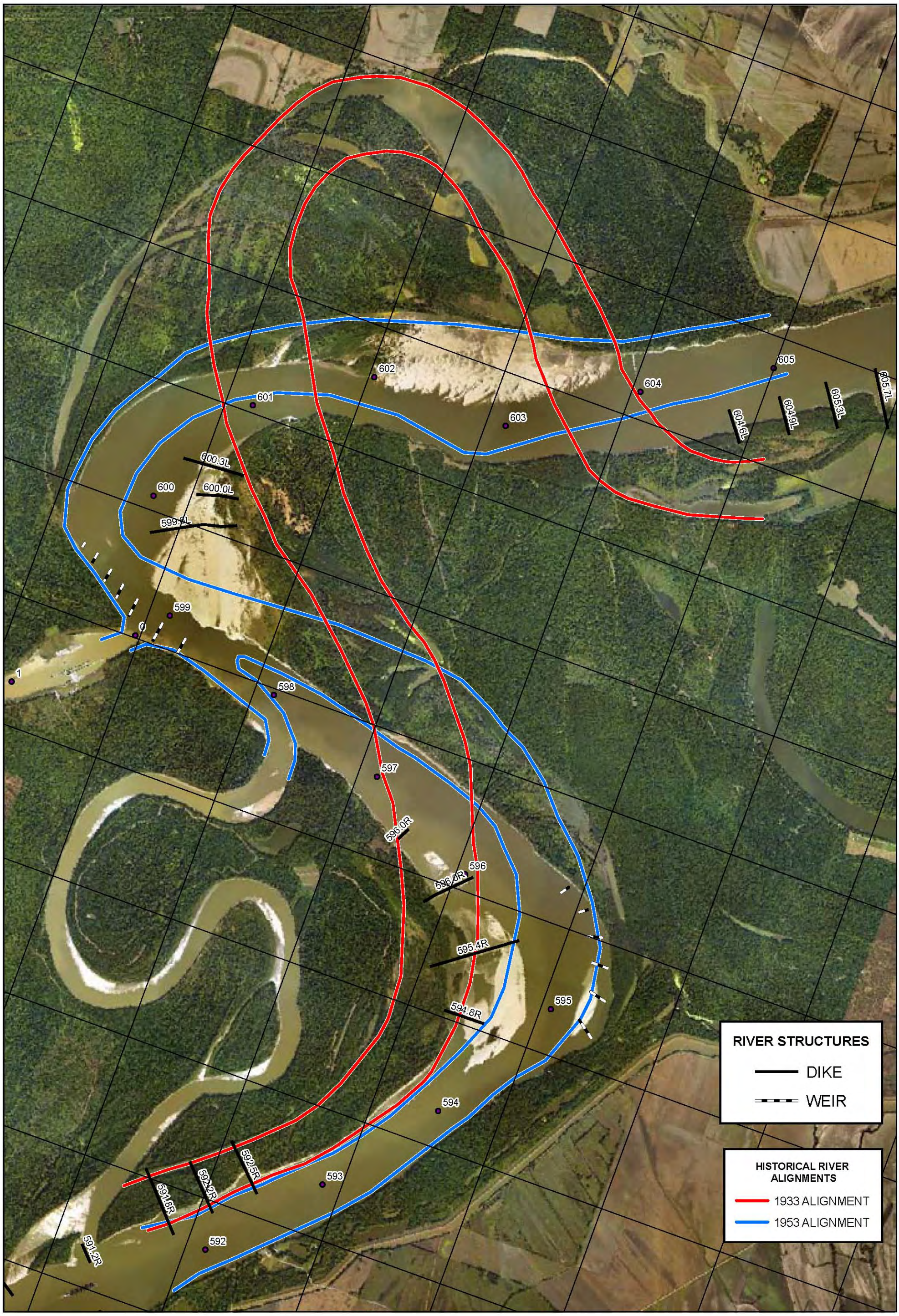

PLATE NUMBER
A3

0 2,000 4,000 Feet

HISTORICAL RIVER ALIGNMENTS

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY: P. Russell, P.E.
CHECKED BY: J. Brown, P.E.
2008 AERIAL PHOTOGRAPH

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APPLIED RIVER ENGINEERING CENTER

US Army Corps of Engineers
St. Louis District

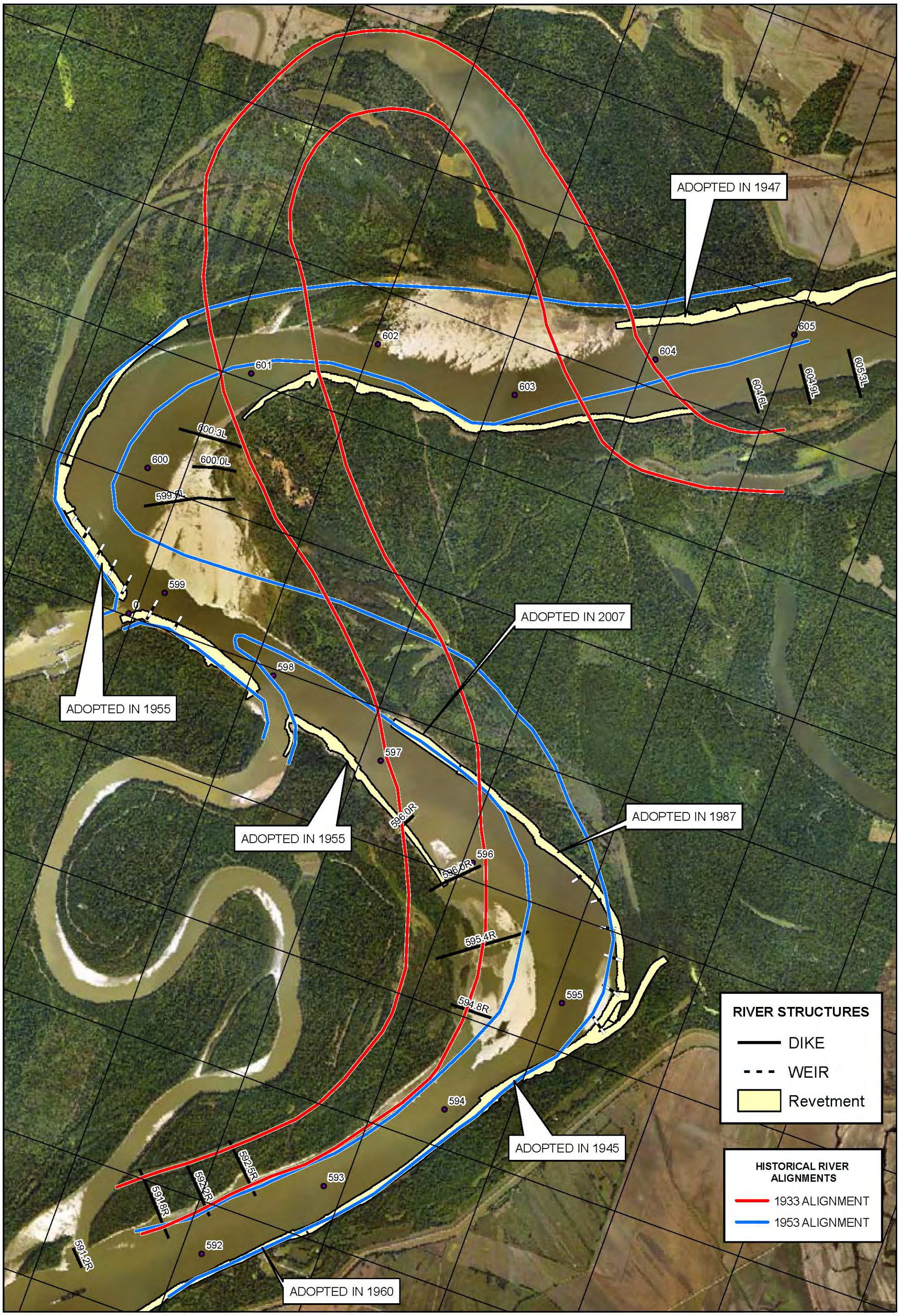

PLATE NUMBER **A4**

0 2,000 4,000 Feet

HISTORICAL RIVER ALINGNMENTS WITH REVETMENT

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY: P. Russell, P.E.
CHECKED BY: J. Brown, P.E.
2008 AERIAL PHOTOGRAPH

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Applied River Engineering Center

US Army Corps of Engineers St. Louis District

PLATE NUMBER
A5

0 2,000 4,000 Feet

2003 - 2008
BANKLINE EROSION

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY: **P. Russell, P.E.**
CHECKED BY: **J. Brown, P.E.**
2008 AERIAL PHOTOGRAPH

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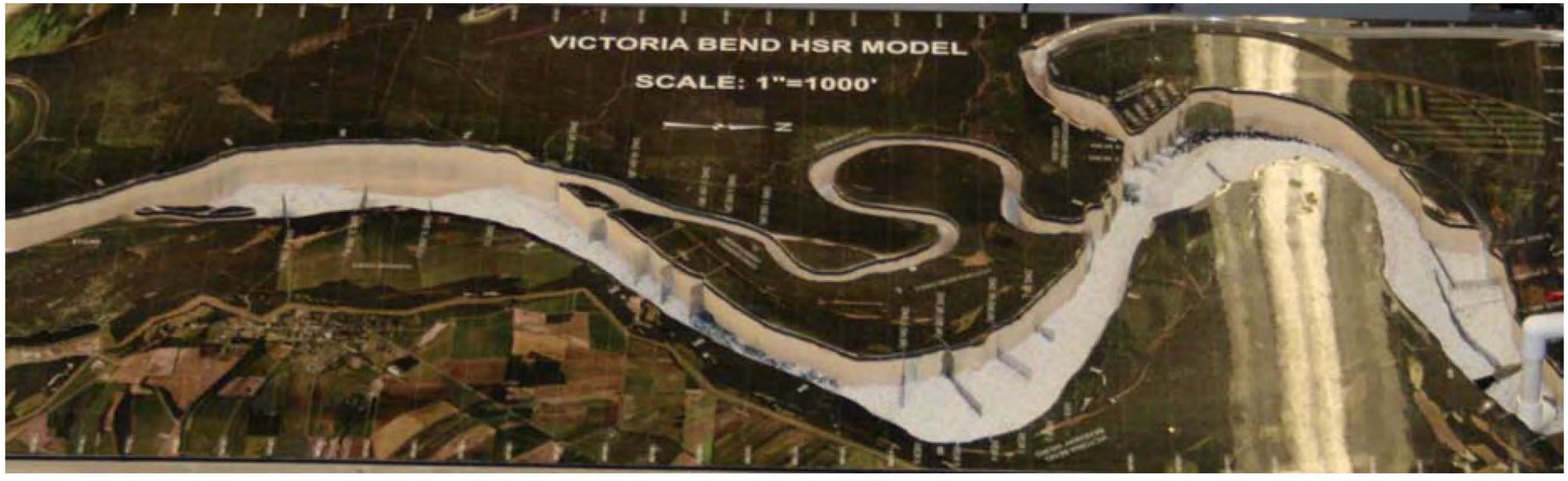
APPLIED RIVER ENGINEERING CENTER

US Army Corps of Engineers
St. Louis District



US Army Corps of Engineers
St. Louis District

APPLIED RIVER ENGINEERING CENTER

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W E
S

PREPARED BY: P. Russell, P.E.
CHECKED BY: J. Brown, P.E.
2008 AERIAL PHOTOGRAPH

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

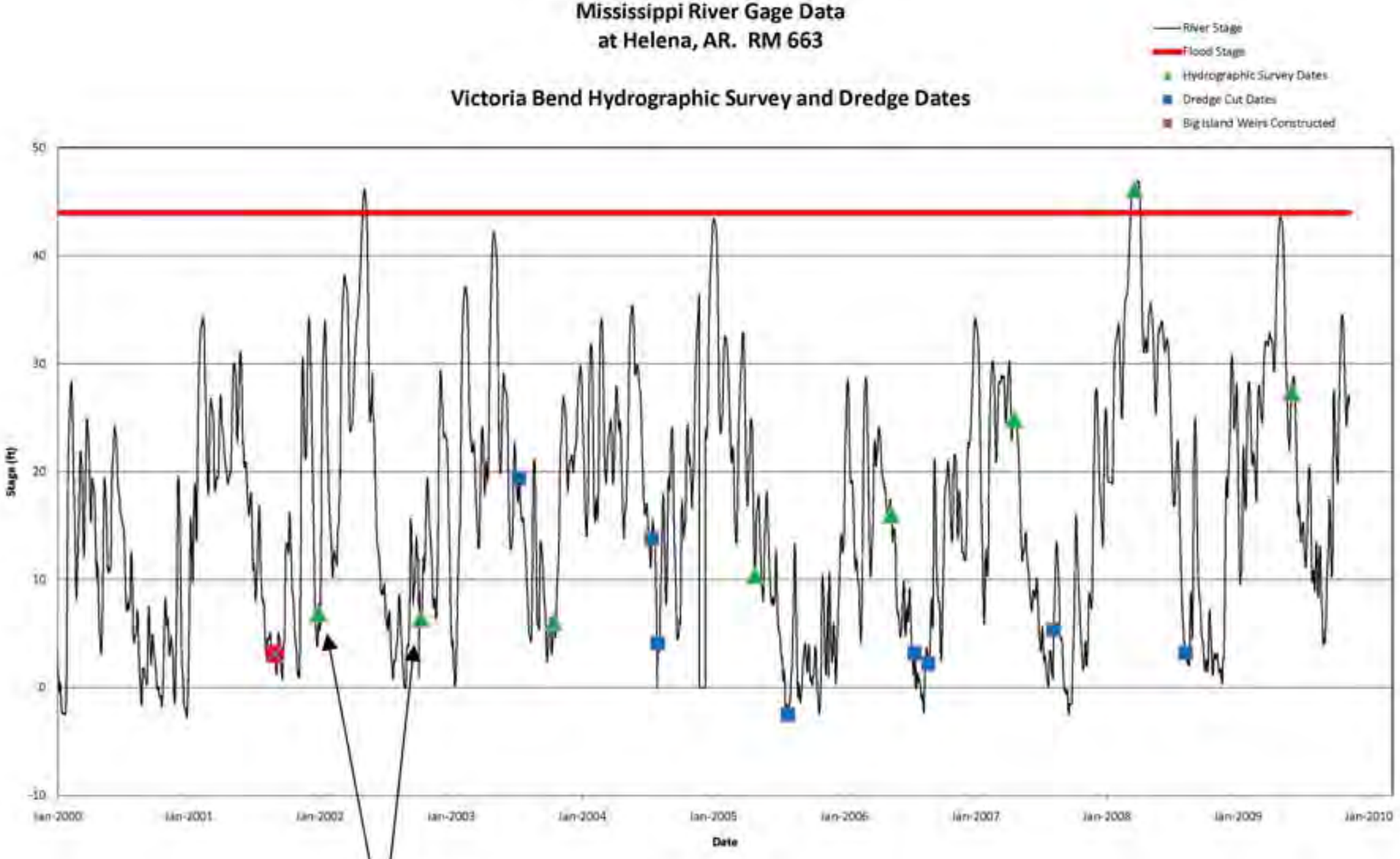
VICTORIA BEND HSR MODEL

PLATE NUMBER
A6

US Army Corps of Engineers
St. Louis District

Mississippi River Gage Data at Helena, AR. RM 663

Victoria Bend Hydrographic Survey and Dredge Dates



2002 hydrographic survey date is uncertain
The survey may have occurred in Jan 2002 or Oct 2002

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

HELENA GAGE DATA

VICTORIA BEND HSR MODEL

PLATE NUMBER
A7

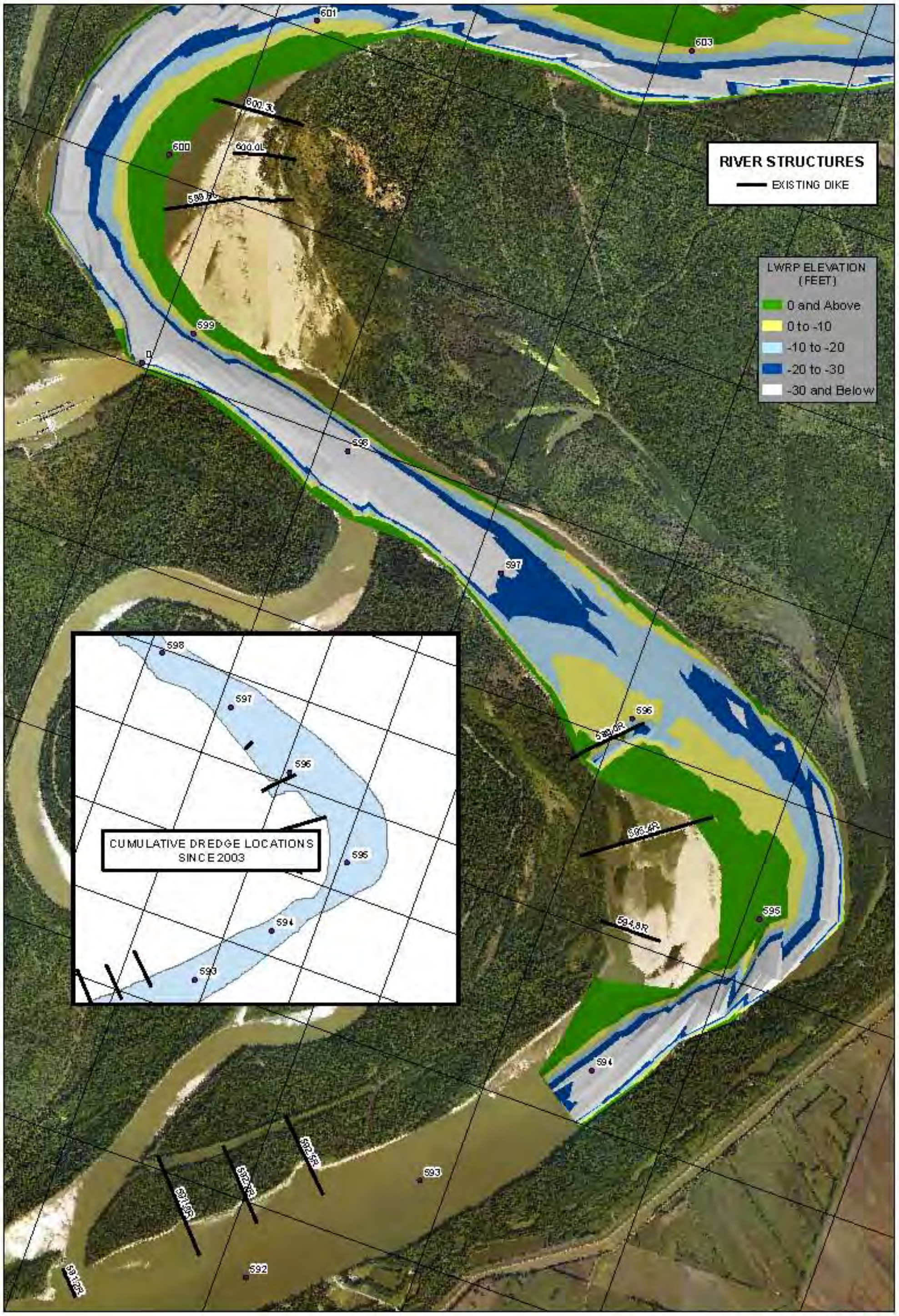


PLATE NUMBER
B1

Feet
0 1,000 2,000

1994 HYDROGRAPHIC SURVEY

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rivvall, P.E.

CHECKED BY
... Brown, P.E.

2008 AERIAL PHOTOGRAPH

APPLIED RIVER ENGINEERING CENTER

US Army Corps of Engineers
St. Louis District

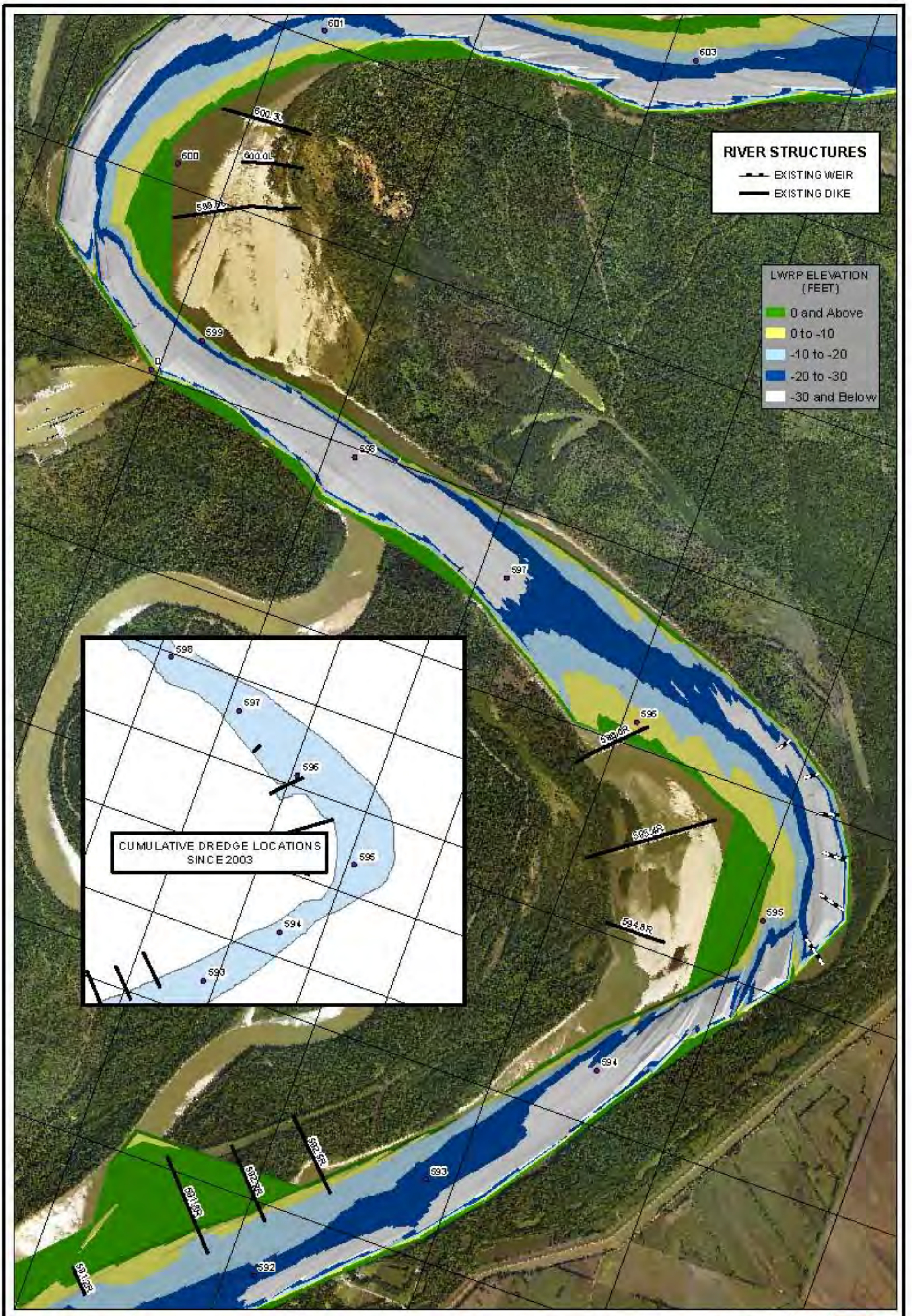


PLATE NUMBER B2

Feet
0 1,000 2,000

1996 HYDROGRAPHIC SURVEY

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

2008 AERIAL PHOTOGRAPH

US Army Corps of Engineers
St. Louis District

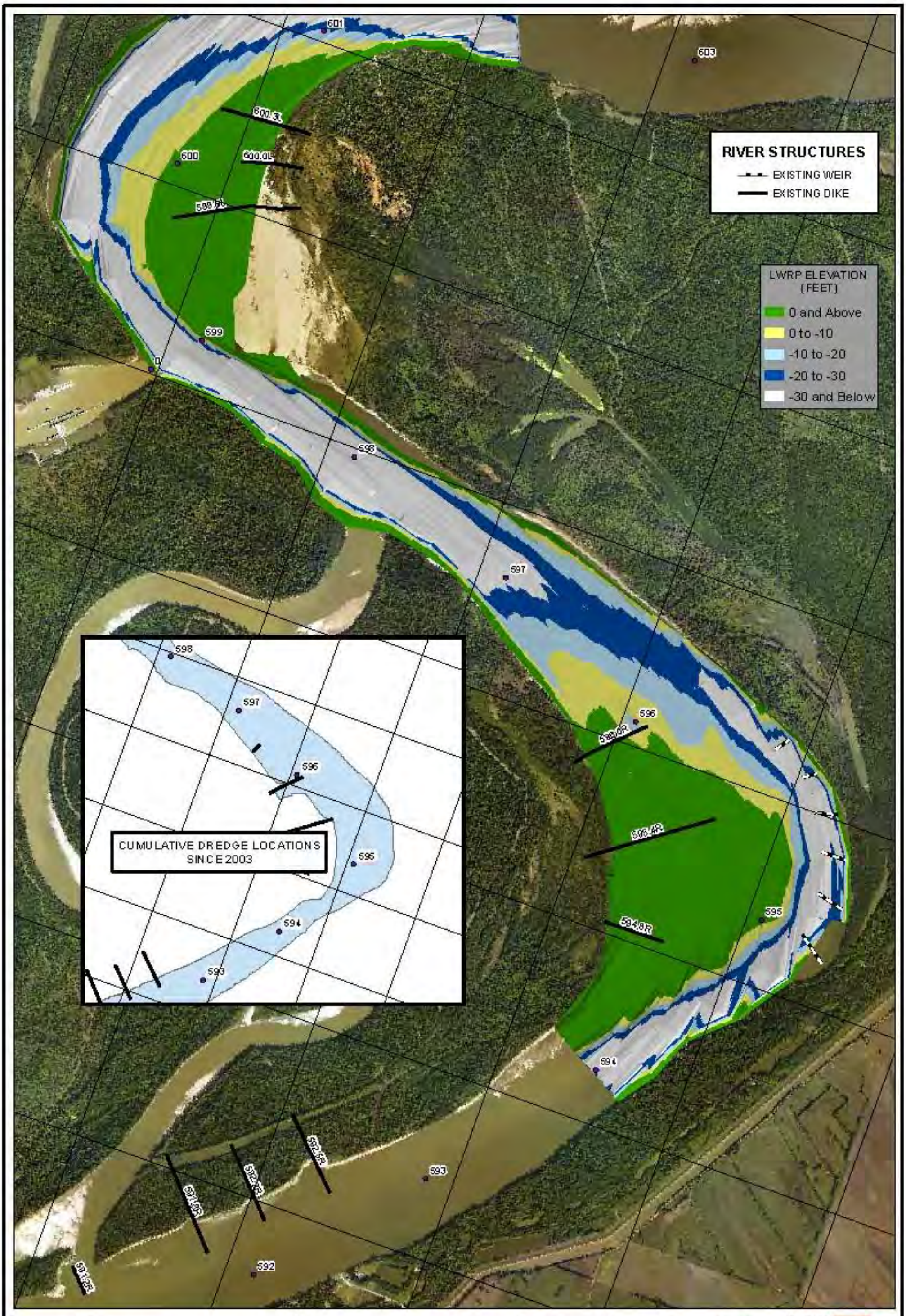


PLATE NUMBER B3

Feet
0 1,000 2,000

1998 HYDROGRAPHIC SURVEY

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

2008 AERIAL PHOTOGRAPH

US Army Corps of Engineers
St. Louis District

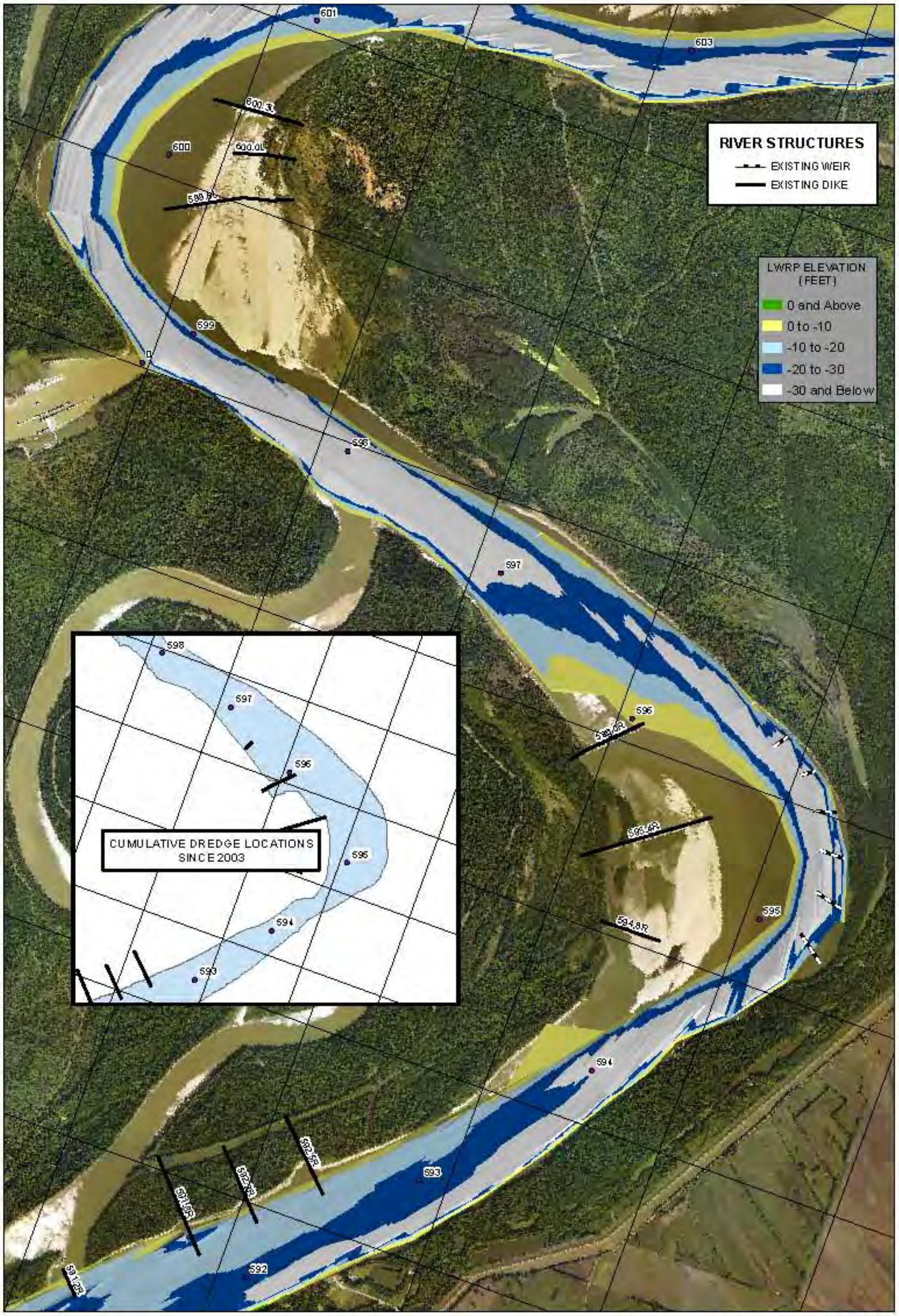


PLATE NUMBER **B4**

Feet
0 1,000 2,000

2000 HYDROGRAPHIC SURVEY

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

2008 AERIAL PHOTOGRAPH

US Army Corps of Engineers
St. Louis District

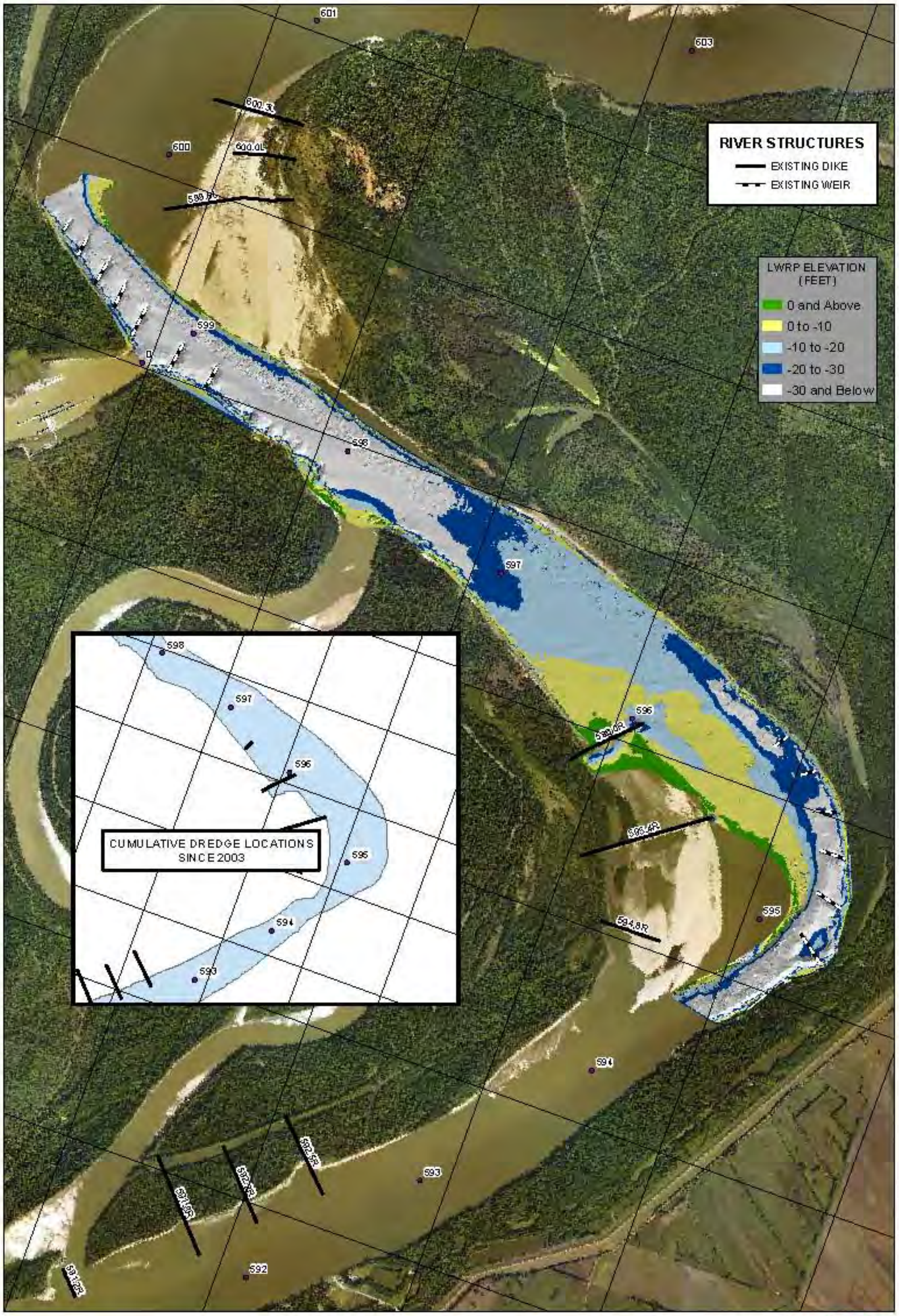


PLATE NUMBER B5

Feet
0 1,000 2,000

2002 HYDROGRAPHIC SURVEY

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

2008 AERIAL PHOTOGRAPH

US Army Corps of Engineers
St. Louis District

RIVER STRUCTURES

DIKE

WEIR

LWRP ELEVATION (FEET)

0 and Above

0 to -10

-10 to -20

-20 to -30

-30 and Below

DREDGING LOCATIONS SINCE 2003

PLATE NUMBER B6

Feet 0 1,000 2,000

2002 HYDROGRAPHIC SURVEY SURVEYED OCTOBER 2002

U.S. ARMY CORPS OF ENGINEERS ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL LOWER MISSISSIPPI RIVER MILES 600 - 590

2008 AERIAL PHOTOGRAPH

APPLIED RIVER ENGINEERING CENTER

US Army Corps of Engineers St. Louis District

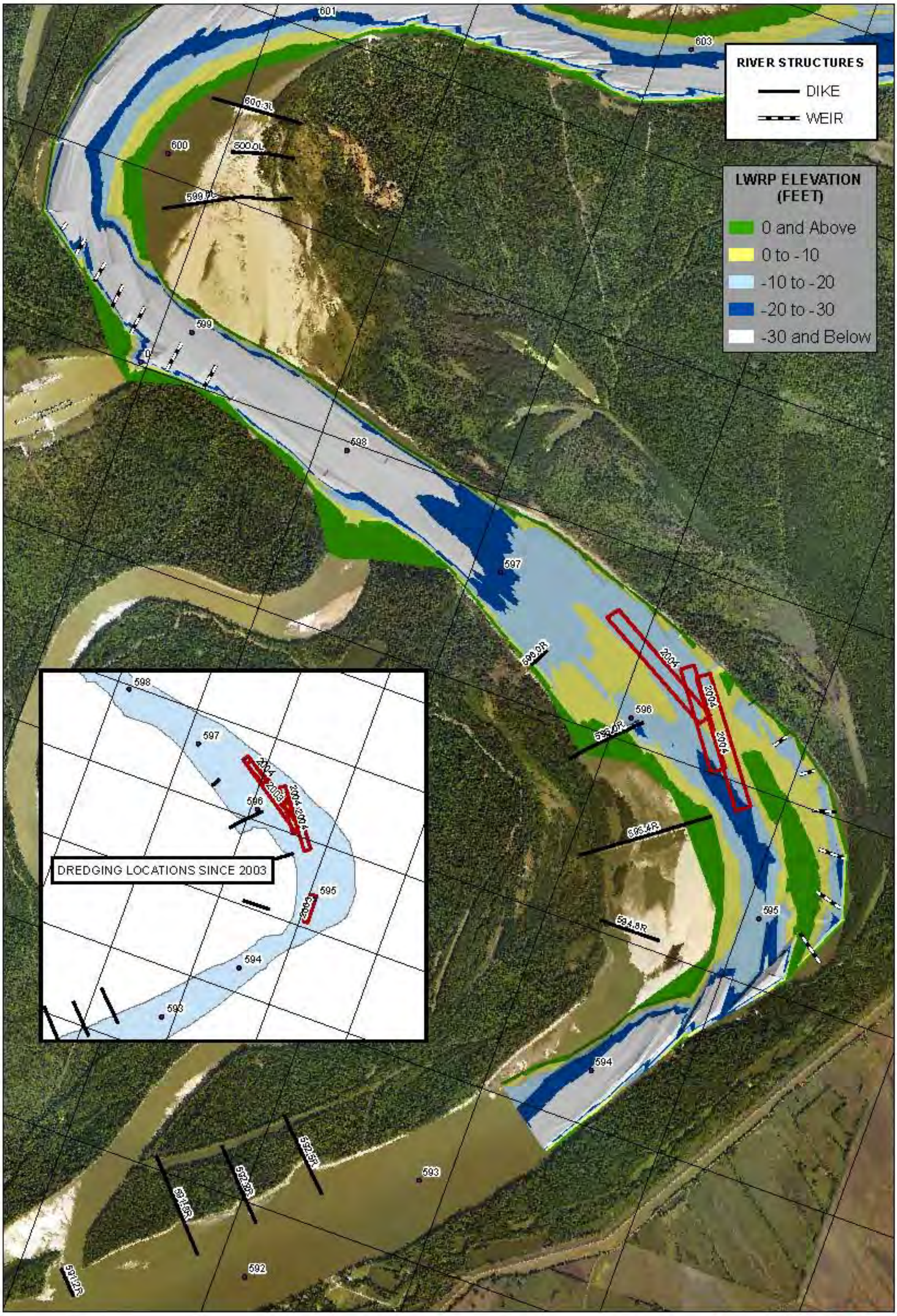


PLATE NUMBER **B7**

Feet
0 1,000 2,000

2004 HYDROGRAPHIC SURVEY

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

2008 AERIAL PHOTOGRAPH

APPLIED RIVER ENGINEERING CENTER

US Army Corps of Engineers
St. Louis District

RIVER STRUCTURES

DIKE

WEIR

LWRP ELEVATION (FEET)

- 0 and Above
- 0 to -10
- -10 to -20
- -20 to -30
- -30 and Below

598

597

596

595

594

593

596.0R

596.0R

595.4R

594.8R

592.5R

592.2R

2005

2005

DREDGING LOCATIONS SINCE 2003

2004

2003

2004

2004

2003

2003

PLATE NUMBER **B8**

0 1,000 2,000 Feet

2005 HYDROGRAPHIC SURVEY

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY: **P. Russell, P.E.**

CHECKED BY: **J. Brown, P.E.**

2008 AERIAL PHOTOGRAPH

N W E S

APPLIED RIVER ENGINEERING CENTER

US Army Corps of Engineers
St. Louis District

RIVER STRUCTURES

DIKE

WEIR

LWRP ELEVATION (FEET)

0 and Above

0 to -10

-10 to -20

-20 to -30

-30 and Below

DREDGING LOCATIONS SINCE 2003

PLATE NUMBER B9

Feet

0 1,000 2,000

2006 HYDROGRAPHIC SURVEY

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY: P. Russell, P.E.

CHECKED BY: J. Brown, P.E.

2008 AERIAL PHOTOGRAPH

APPLIED RIVER ENGINEERING CENTER

US Army Corps of Engineers St. Louis District

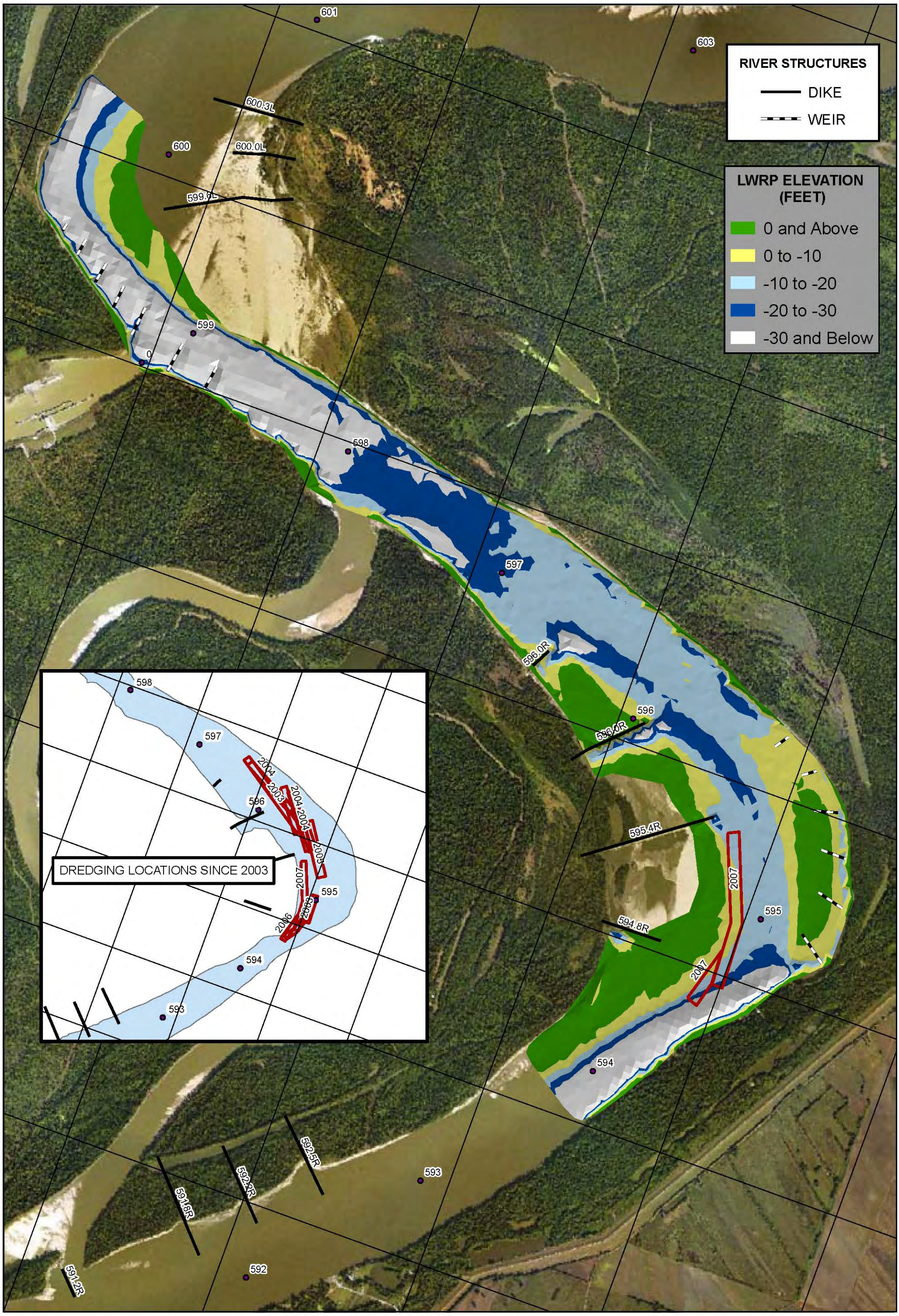


PLATE NUMBER **B10**

Feet
0 1,000 2,000

2007 HYDROGRAPHIC SURVEY

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY: **P. Russell, P.E.**

CHECKED BY: **J. Brown, P.E.**

2008 AERIAL PHOTOGRAPH

N W E S

Applied River Engineering Center

US Army Corps of Engineers
St. Louis District

RIVER STRUCTURES
DIKE
WEIR

LWRP ELEVATION (FEET)
0 and Above
0 to -10
-10 to -20
-20 to -30
-30 and Below

601
603
600
599
598
597
596
595
594
593
592
600.3L
600.0L
599.7L
609.0R
596.4R
594.8R
591.2R
592.0R
592.5R
591.0R

DREDGING LOCATIONS SINCE 2003
2008
2007
2006
2005
2004
2003

Feet
0 1,000 2,000

PLATE NUMBER
B11

2008 HYDROGRAPHIC SURVEY

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY:
CHECKED BY:

2008 AERIAL PHOTOGRAPH

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W
E
S

APPLIED RIVER ENGINEERING CENTER

US Army Corps of Engineers
St. Louis District

RIVER STRUCTURES
DIKE
WEIR

LWRP ELEVATION (FEET)
0 and Above
0 to -10
-10 to -20
-20 to -30
-30 and Below

DREDGING LOCATIONS SINCE 2003

Feet
0 1,000 2,000

PLATE NUMBER B12

2009 HYDROGRAPHIC SURVEY

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

2008 AERIAL PHOTOGRAPH

US Army Corps of Engineers
St. Louis District

APPLIED RIVER ENGINEERING CENTER

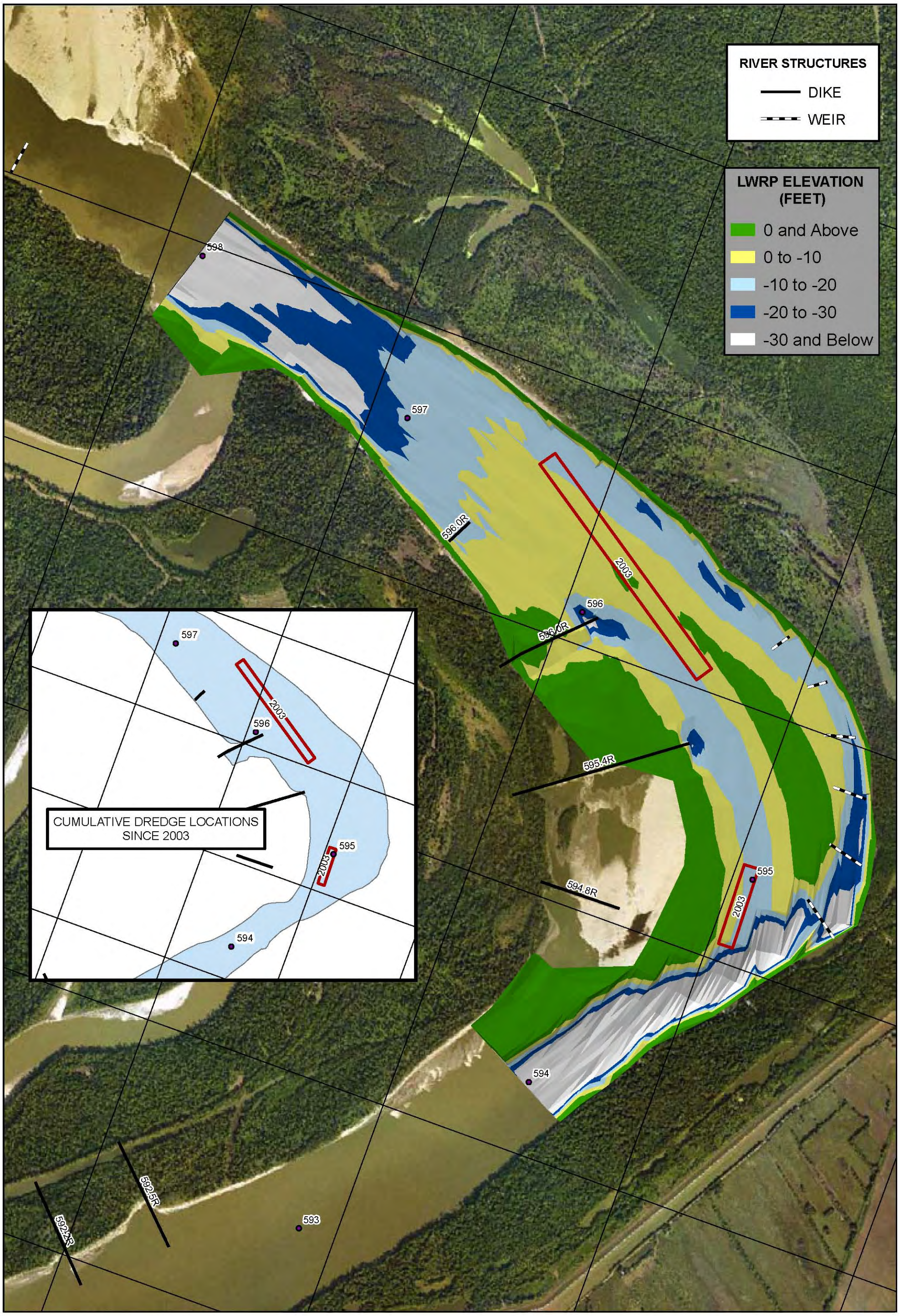

PLATE NUMBER **B13**

0 1,000 2,000 Feet

2003 DREDGE SURVEY

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY: **P. Russell, P.E.**

CHECKED BY: **J. Brown, P.E.**

2008 AERIAL PHOTOGRAPH

N W E S

Applied River Engineering Center

US Army Corps of Engineers
St. Louis District

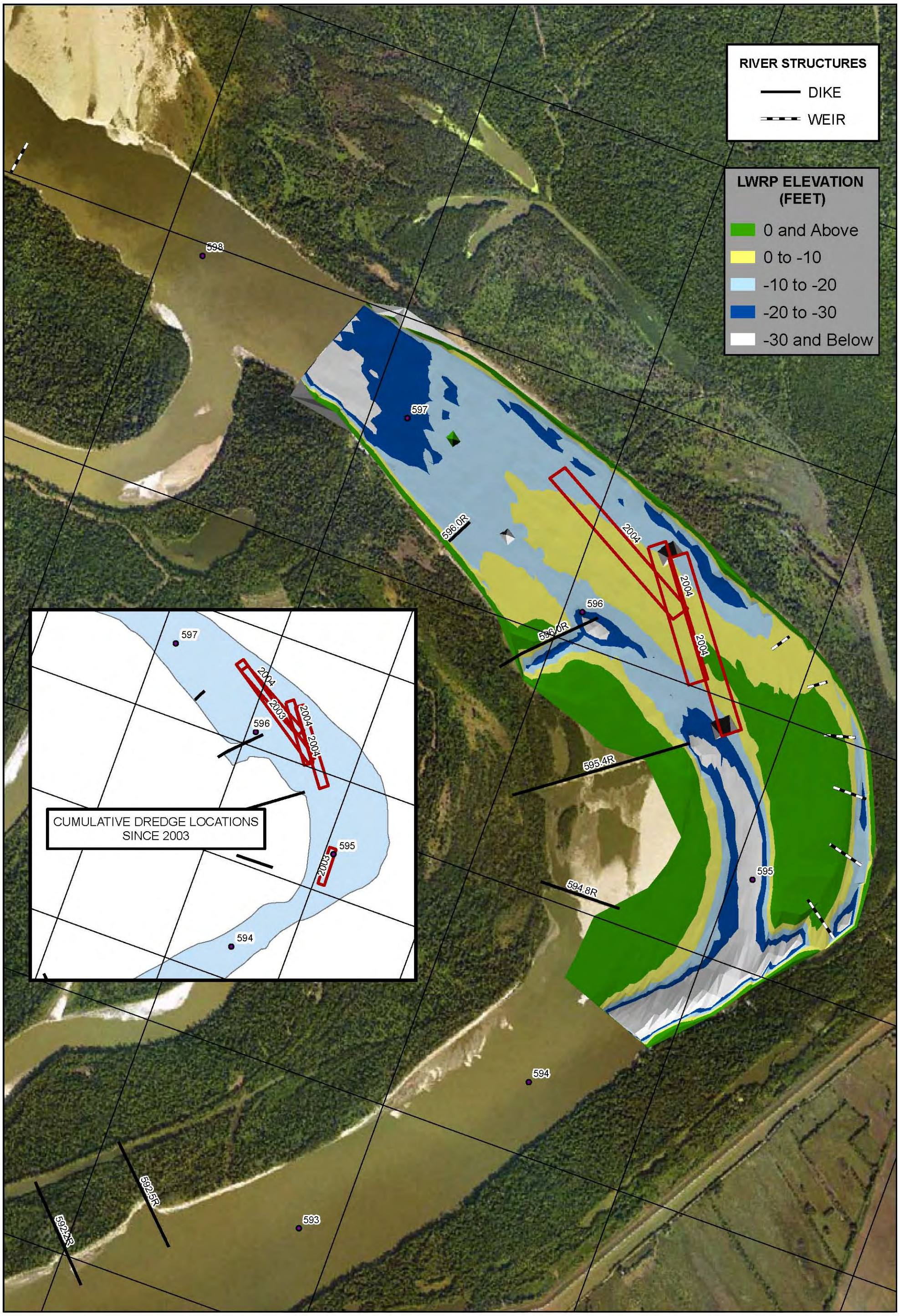

PLATE NUMBER **B14**

0 1,000 2,000 Feet

2004 DREDGE SURVEY

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY: **P. Russell, P.E.**

CHECKED BY: **J. Brown, P.E.**

2008 AERIAL PHOTOGRAPH

N W E S

Applied River Engineering Center

US Army Corps of Engineers
St. Louis District

RIVER STRUCTURES

DIKE

WEIR

LWRP ELEVATION (FEET)

0 and Above

0 to -10

-10 to -20

-20 to -30

-30 and Below

598

597

596.0R

596

596.0R

595.4R

595

594.8R

594

592.5R

592.2R

593

CUMULATIVE DREDGE LOCATIONS SINCE 2003

2004

2003

2004

2004

2005

2005

2003

2005

2005

PLATE NUMBER **B15**

0 1,000 2,000 Feet

2005 DREDGE SURVEY

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY: **P. Russell, P.E.**

CHECKED BY: **J. Brown, P.E.**

2008 AERIAL PHOTOGRAPH

N W E S

APPLIED RIVER ENGINEERING CENTER

US Army Corps of Engineers
St. Louis District

RIVER STRUCTURES

DIKE

WEIR

LWRP ELEVATION (FEET)

0 and Above

0 to -10

-10 to -20

-20 to -30

-30 and Below

598

597

596.0R

596

596.0R

595.4R

595

594.8R

594

592.5R

592.2R

593

CUMULATIVE DREDGE LOCATIONS SINCE 2003

2004

2003

2004

2004

2005

2005

2003

2006

2005

2006

PLATE NUMBER

B16

0 1,000 2,000 Feet

2006 DREDGE SURVEY AUGUST

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY:
P. Russell, P.E.

CHECKED BY:
J. Brown, P.E.

2008 AERIAL PHOTOGRAPH

N W E S

Applied River Engineering Center

US Army Corps of Engineers
St. Louis District

RIVER STRUCTURES

DIKE

WEIR

LWRP ELEVATION (FEET)

0 and Above

0 to -10

-10 to -20

-20 to -30

-30 and Below

598

597

596.0R

596

596.0R

595.4R

595

594.8R

594

592.5R

592.2R

593

CUMULATIVE DREDGE LOCATIONS SINCE 2003

2004

2003

2004

2004

2005

2005

2005

2006

2006

2006

PLATE NUMBER **B17**

0 1,000 2,000 Feet

2006 DREDGE SURVEY SEPTEMBER

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY: **P. Russell, P.E.**

CHECKED BY: **J. Brown, P.E.**

2008 AERIAL PHOTOGRAPH

N W E S

APPLIED RIVER ENGINEERING CENTER

US Army Corps of Engineers
St. Louis District

RIVER STRUCTURES

DIKE

WEIR

LWRP ELEVATION (FEET)

0 and Above

0 to -10

-10 to -20

-20 to -30

-30 and Below

598

597

596.0R

596

596.0R

595.4R

595

594.8R

594

593

592.5R

592.2R

CUMULATIVE DREDGE LOCATIONS SINCE 2003

2004

2003

2004

2004

2005

2005

2007

2008

2006

2007

PLATE NUMBER **B18**

0 1,000 2,000 Feet

2007 DREDGE SURVEY

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY: **P. Russell, P.E.**

CHECKED BY: **J. Brown, P.E.**

2008 AERIAL PHOTOGRAPH

N W E S

APPLIED RIVER ENGINEERING CENTER

US Army Corps of Engineers
St. Louis District

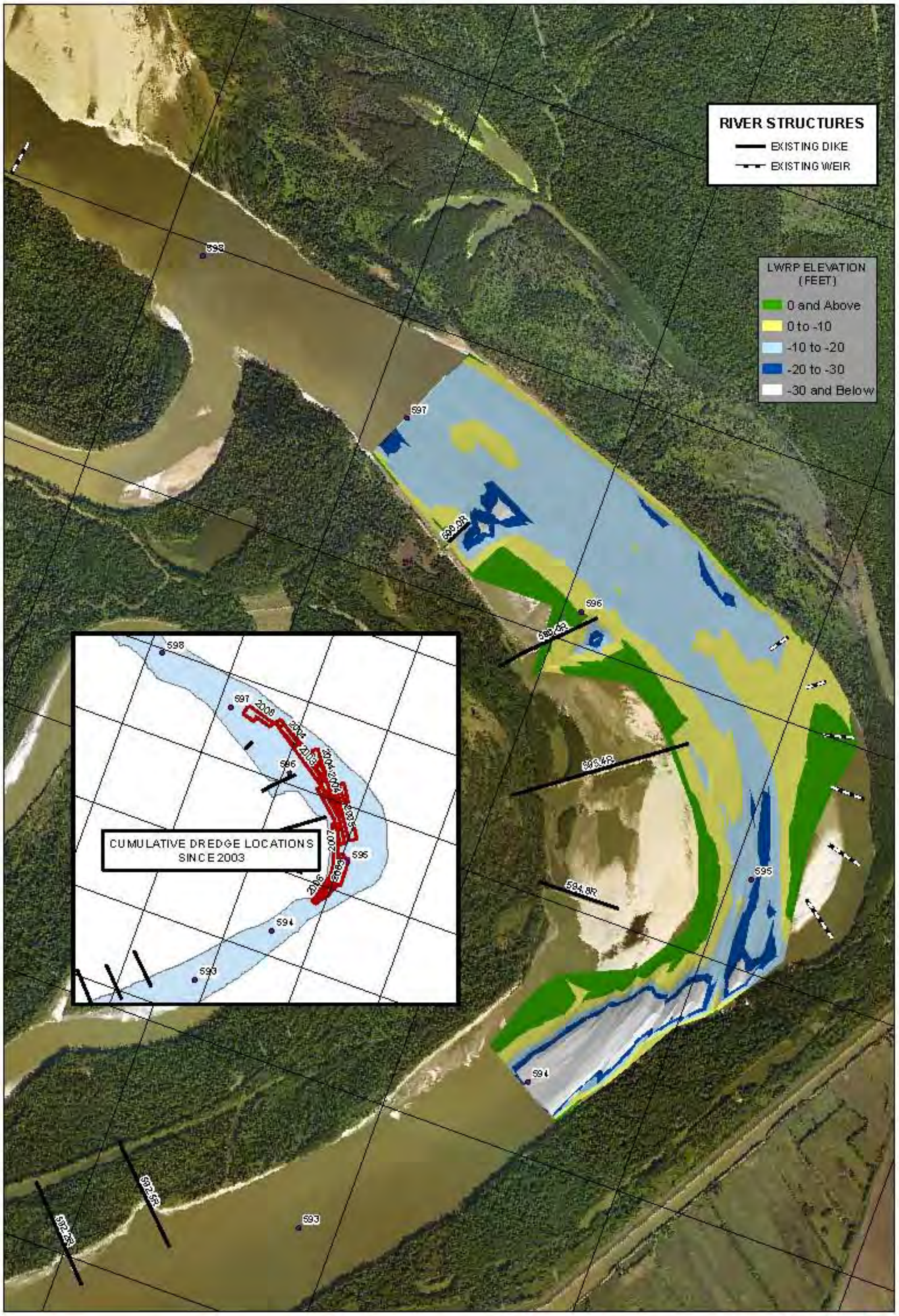

PLATE NUMBER B19

Feet
0 1,000 2,000

2008 DREDGE SURVEY

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rivvall, P.E.

CHECKED BY
.. Brown, P.E.

2008 AERIAL PHOTOGRAPH

US Army Corps of Engineers
St. Louis District

APPLIED RIVER ENGINEERING CENTER

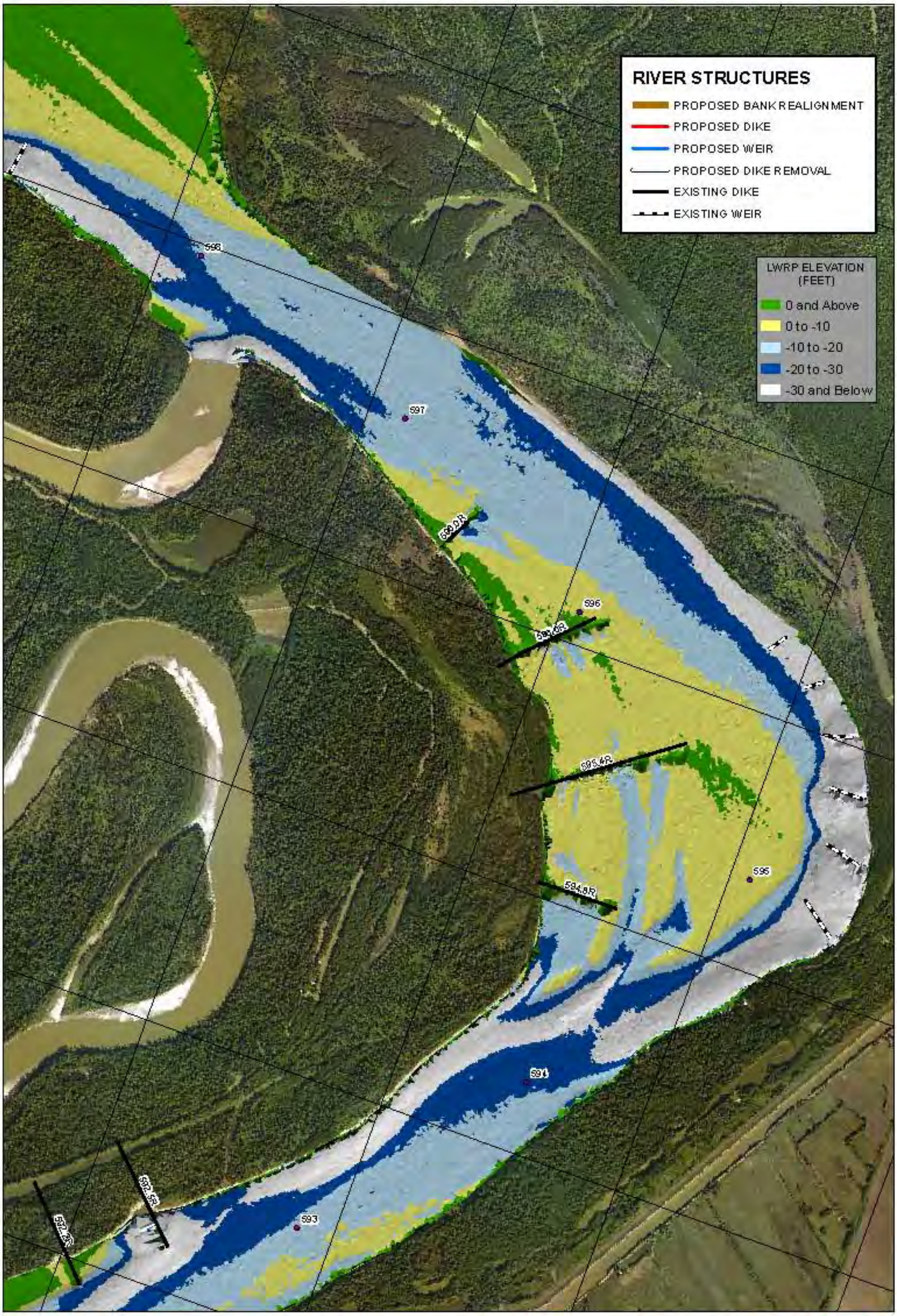

PLATE NUMBER
C1a

BASE TEST

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY:
P. Rivvall, P.E.

CHECKED BY:
... Brown, P.E.

2008 AERIAL PHOTOGRAPH

APPLIED RIVER ENGINEERING CENTER

US Army Corps of Engineers
St. Louis District

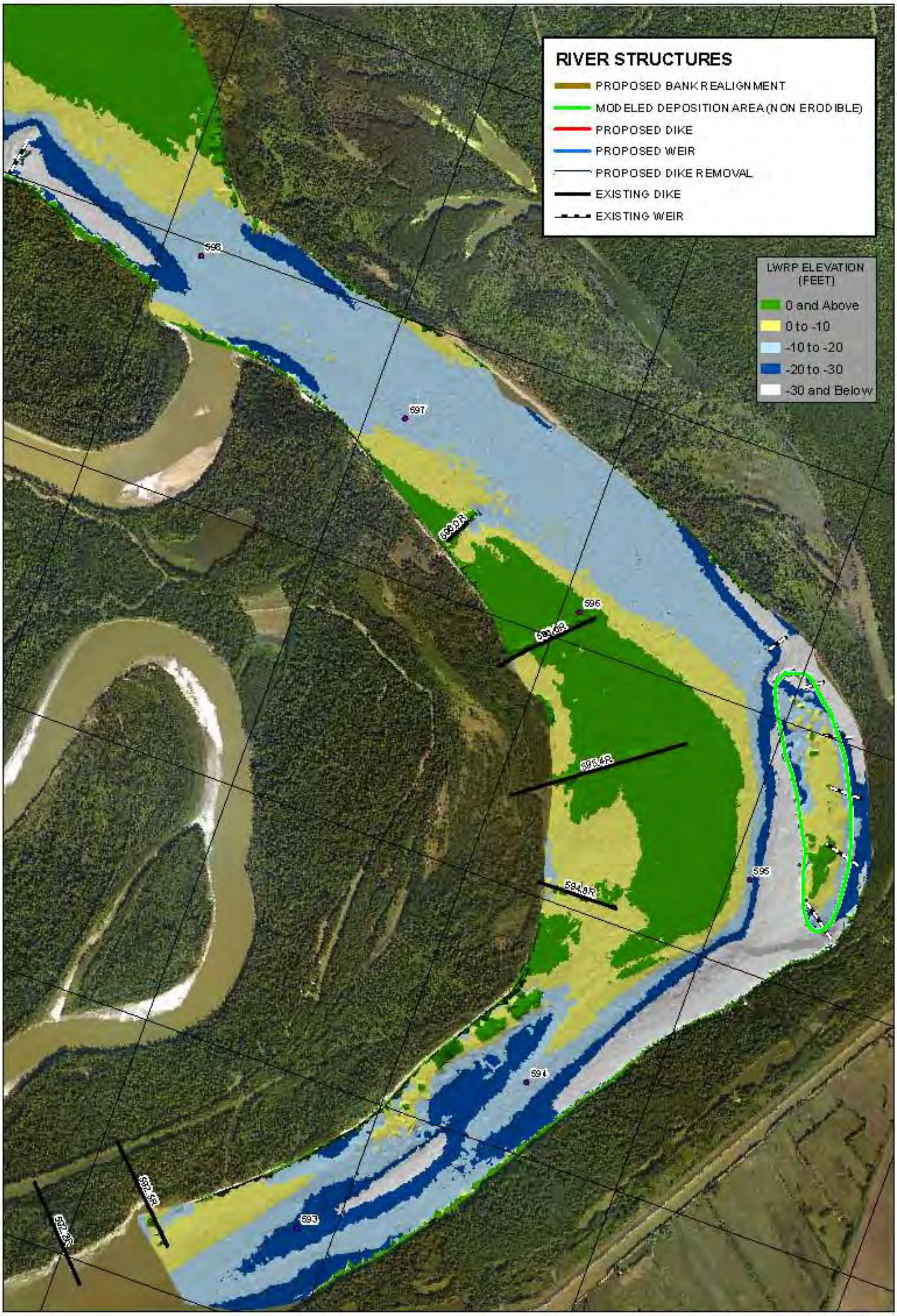

PLATE NUMBER C1b

0 1,000 2,000 Feet

REFERENCE TEST

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY: P. Stowell, P.E.
CHECKED BY: ... Brown, P.E.

2008 AERIAL PHOTOGRAPH

N W E S

APPLIED RIVER ENGINEERING CENTER

US Army Corps of Engineers
St. Louis District

PLATE NUMBER C2

0 1,000 2,000 Feet

ALTERNATIVE 1

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rinvelt, P.E.

CHECKED BY
... Brown, P.E.

2008 AERIAL PHOTOGRAPH

APPLIED RIVER ENGINEERING CENTER

US Army Corps of Engineers
St. Louis District

RIVER STRUCTURES

- PROPOSED BANK REALIGNMENT
- MODELED DEPOSITION AREA (NON ERODIBLE)
- PROPOSED DIKE
- PROPOSED WEIR
- PROPOSED DIKE REMOVAL
- EXISTING DIKE
- EXISTING WEIR

LWRP ELEVATION (FEET)

- 0 and Above
- 0 to -10
- -10 to -20
- -20 to -30
- -30 and Below

598
597
596
595
594
593
599.8R
598.4R
596.4R
594.8R
592.5R
592.2R

PLATE NUMBER C3

0 1,000 2,000 Feet

ALTERNATIVE 2

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rinvelt, P.E.

CHECKED BY
... Brown, P.E.

2008 AERIAL PHOTOGRAPH

N W E S

APPLIED RIVER ENGINEERING CENTER

US Army Corps of Engineers
St. Louis District

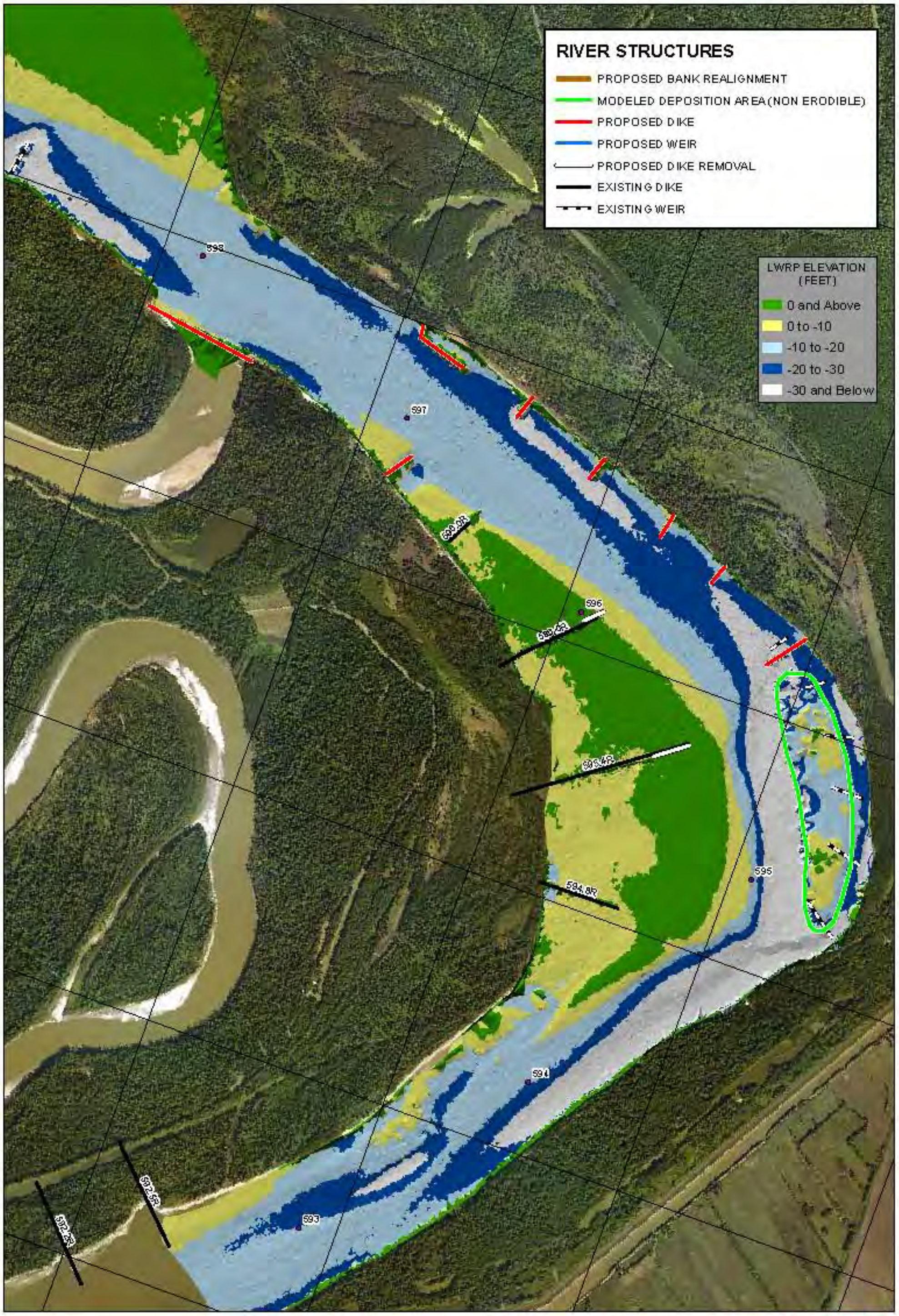

PLATE NUMBER C4

0 1,000 2,000 Feet

ALTERNATIVE 3

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rivvall, P.E.

CHECKED BY
.. Brown, P.E.

2008 AERIAL PHOTOGRAPH

N W E S

APPLIED RIVER ENGINEERING CENTER

US Army Corps of Engineers
St. Louis District

PLATE NUMBER C5

0 1,000 2,000 Feet

ALTERNATIVE 4

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rivvall, P.E.

CHECKED BY
.. Brown, P.E.

2008 AERIAL PHOTOGRAPH

US Army Corps of Engineers
St. Louis District

APPLIED RIVER ENGINEERING CENTER

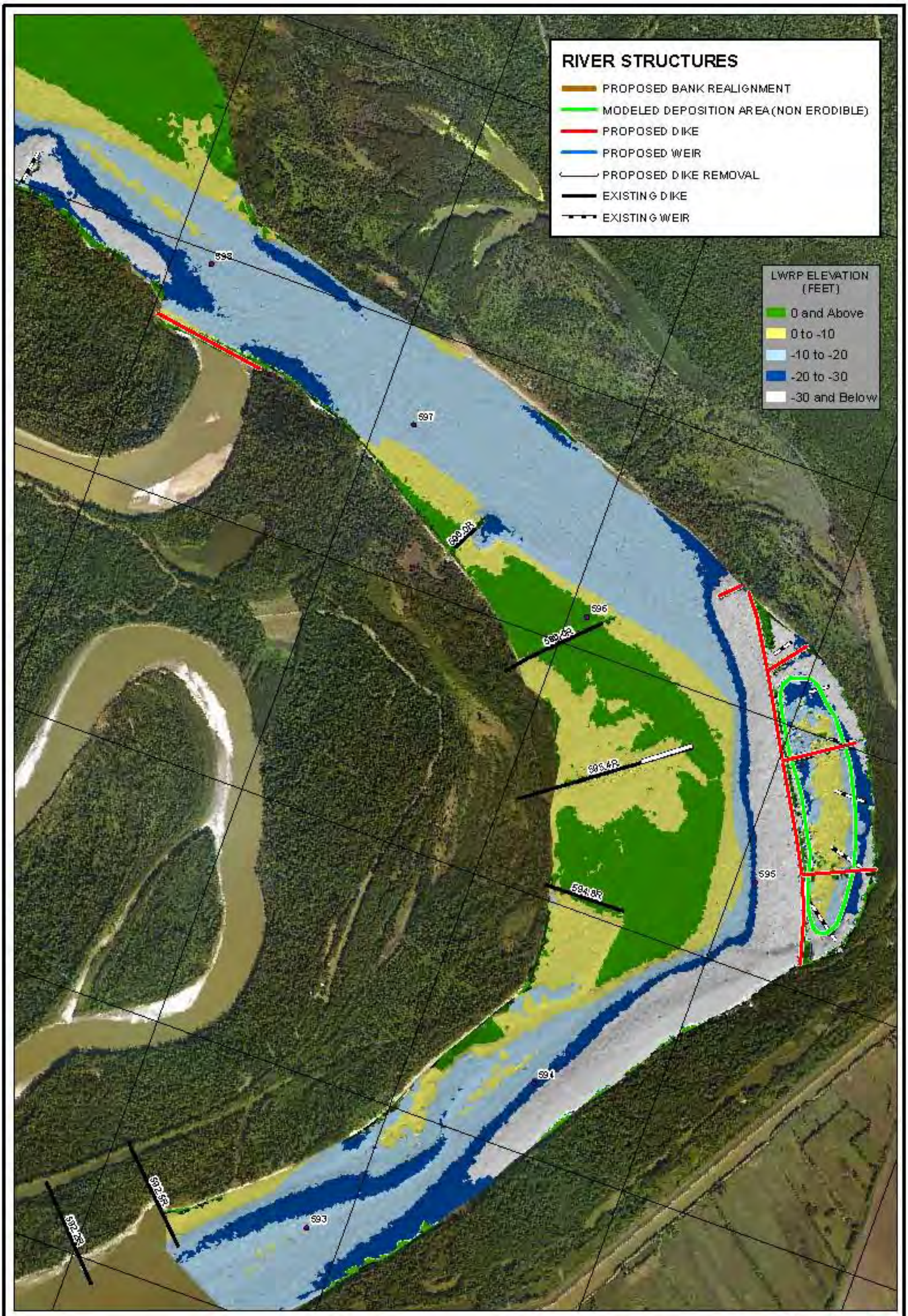

PLATE NUMBER C6

0 1,000 2,000 Feet

ALTERNATIVE 5

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

2008 AERIAL PHOTOGRAPH

US Army Corps of Engineers
St. Louis District

PLATE NUMBER C7

0 1,000 2,000 Feet

ALTERNATIVE 6

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rivvall, P.E.

CHECKED BY
.. Brown, P.E.

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St. Louis District

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PLATE NUMBER C8

0 1,000 2,000 Feet

ALTERNATIVE 7

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rivvall, P.E.

CHECKED BY
... Brown, P.E.

2008 AERIAL PHOTOGRAPH

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US Army Corps of Engineers
St. Louis District

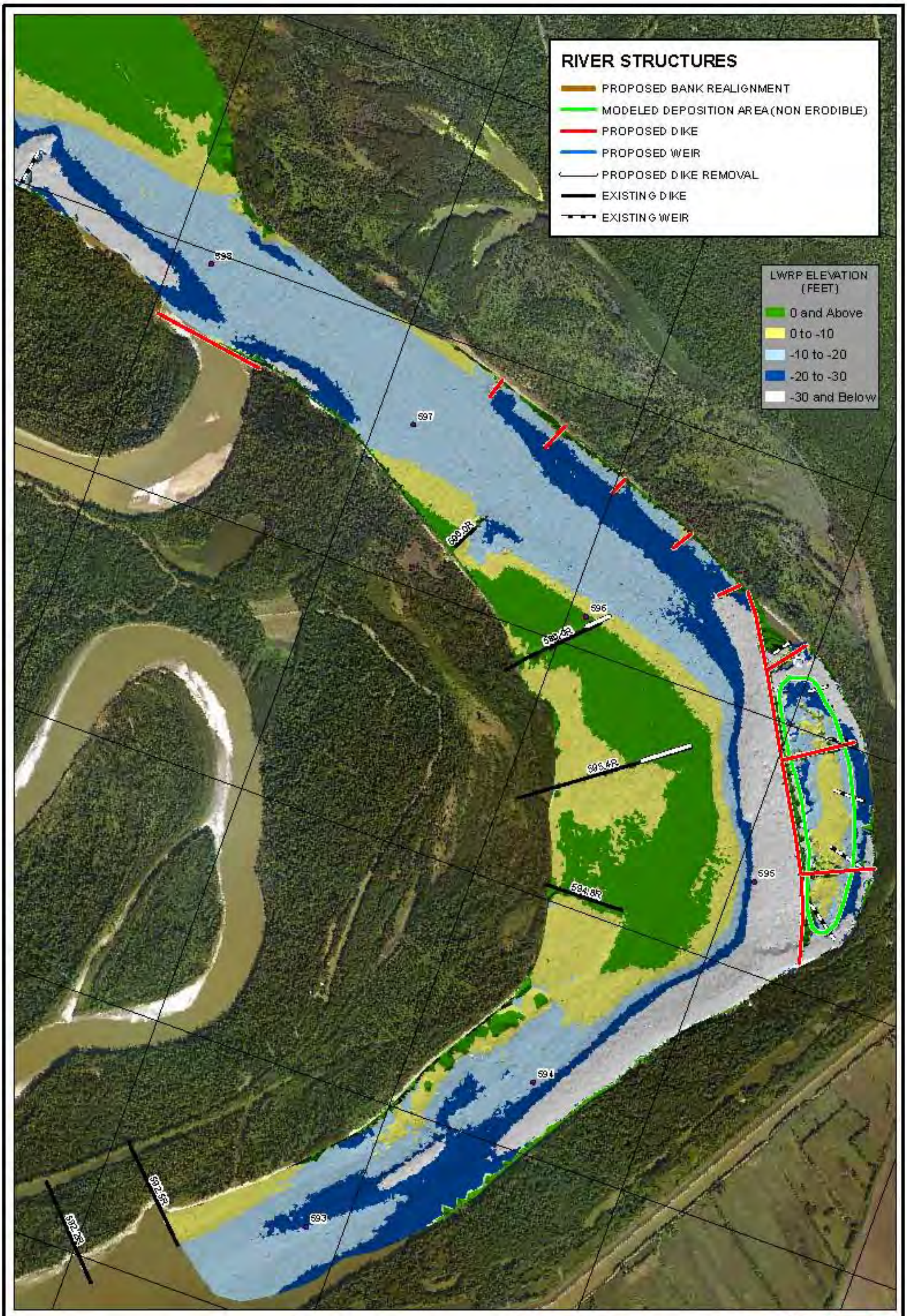

PLATE NUMBER C9

0 1,000 2,000 Feet

ALTERNATIVE 8

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rinvelt, P.E.

CHECKED BY
... Brown, P.E.

2008 AERIAL PHOTOGRAPH

US Army Corps of Engineers
St. Louis District

APPLIED RIVER ENGINEERING CENTER

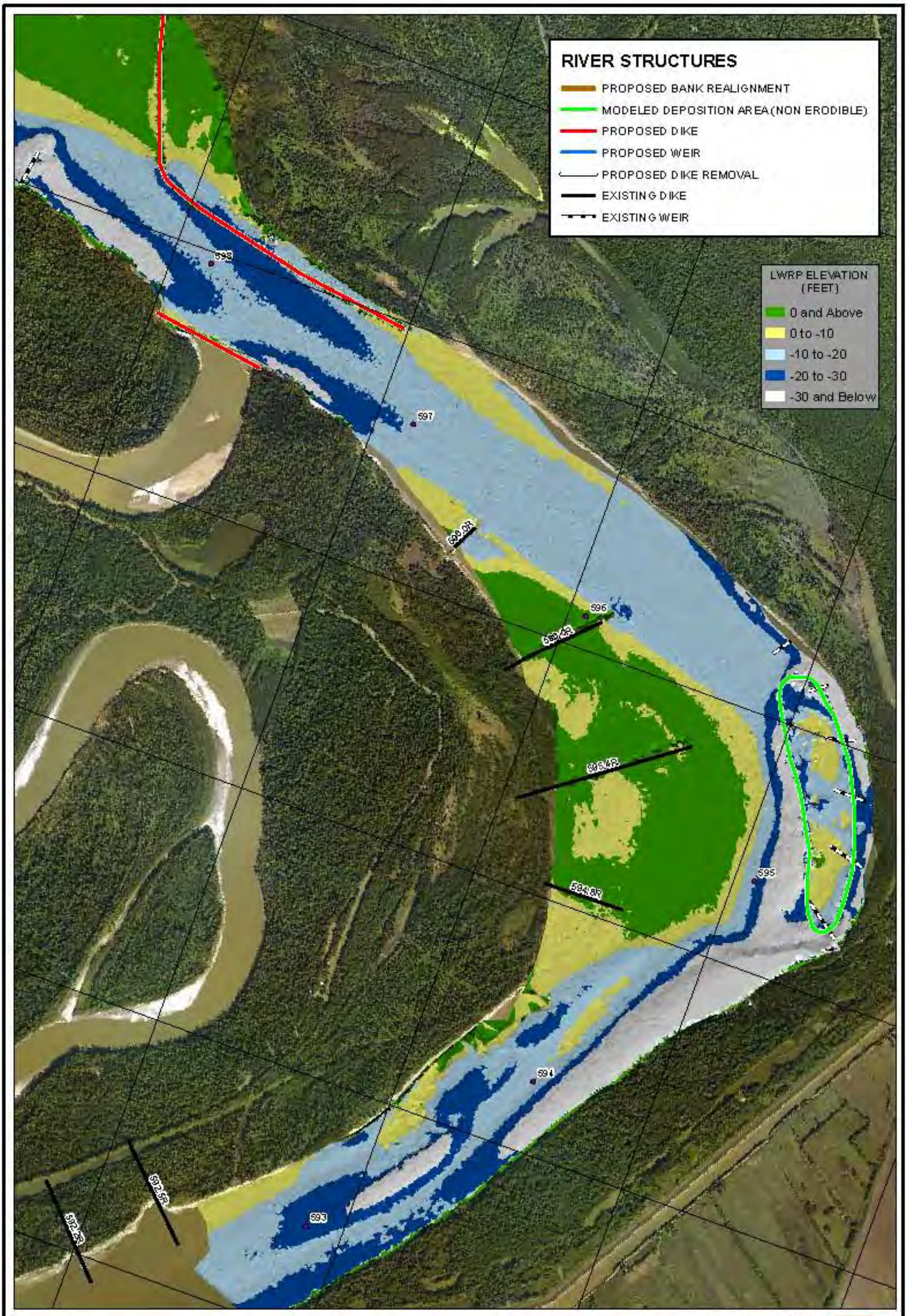

PLATE NUMBER C10

Feet
0 1,000 2,000

ALTERNATIVE 9

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rivvall, P.E.

CHECKED BY
.. Brown, P.E.

2008 AERIAL PHOTOGRAPH

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St. Louis District

APPLIED RIVER ENGINEERING CENTER

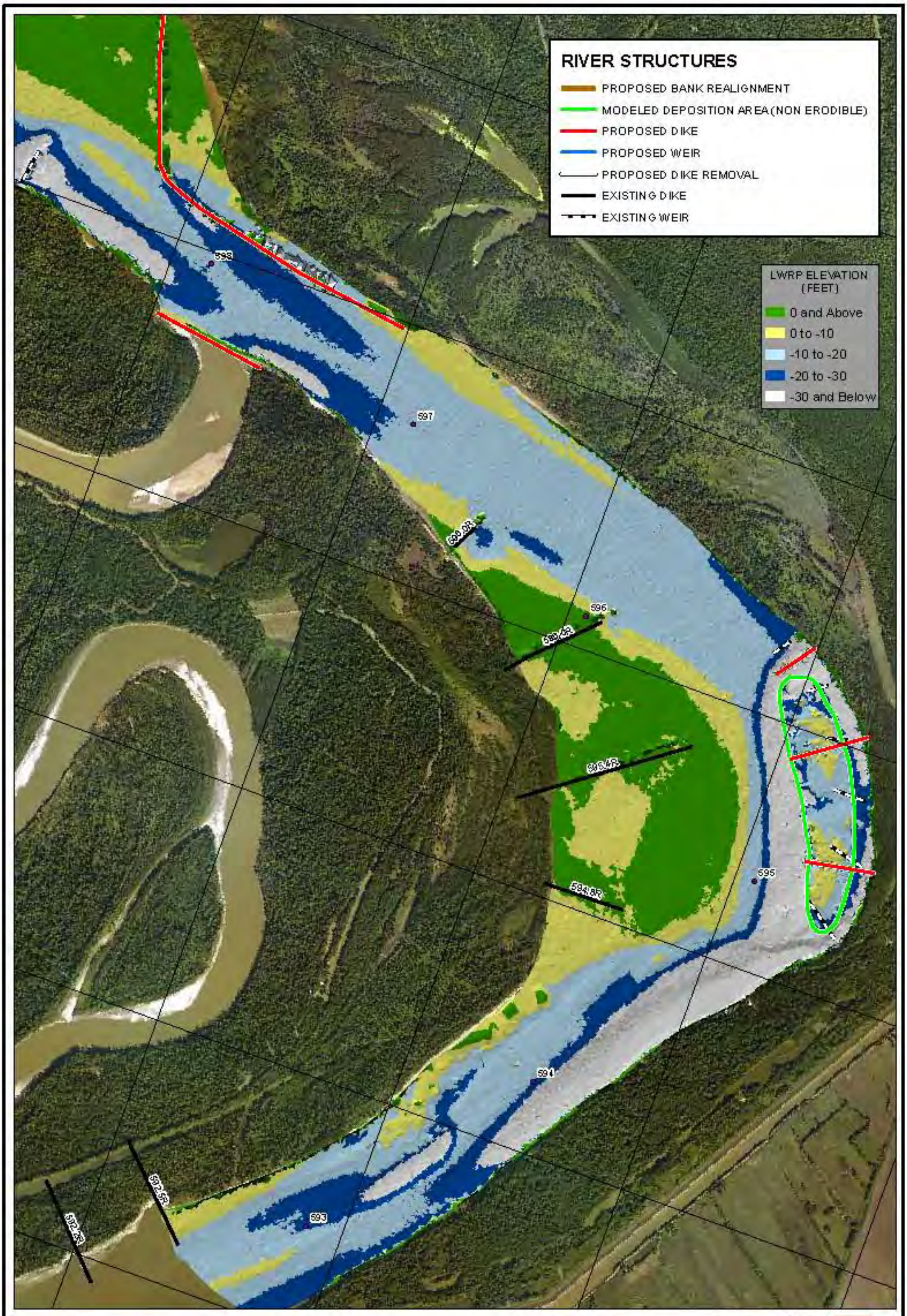

PLATE NUMBER C11

0 1,000 2,000 Feet

ALTERNATIVE 10

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rivvall, P.E.

CHECKED BY
.. Brown, P.E.

2008 AERIAL PHOTOGRAPH

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US Army Corps of Engineers
St. Louis District

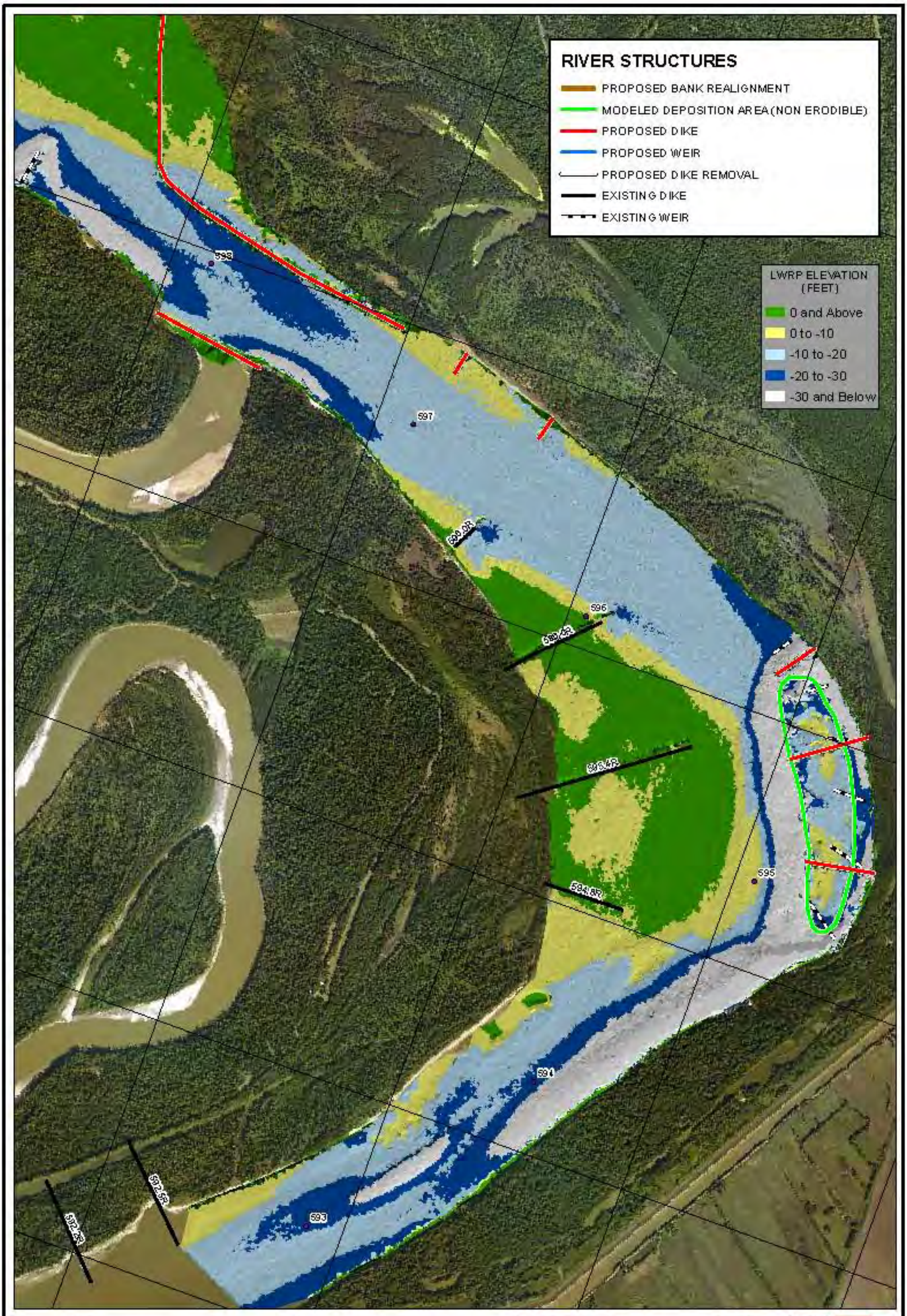

PLATE NUMBER C12

0 1,000 2,000 Feet

ALTERNATIVE 11

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rivvall, P.E.

CHECKED BY
.. Brown, P.E.

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US Army Corps of Engineers
St. Louis District

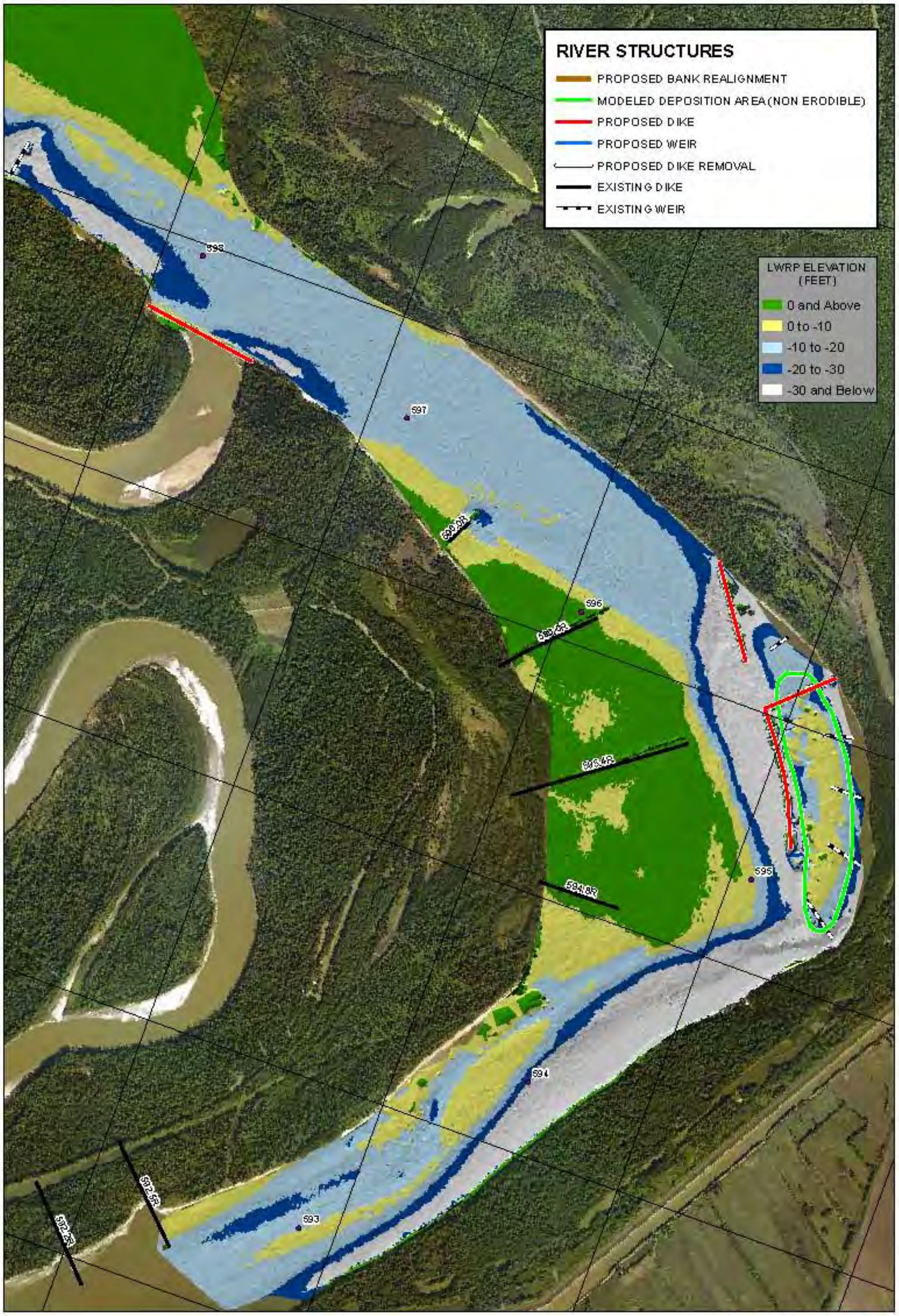

PLATE NUMBER C13

0 1,000 2,000 Feet

ALTERNATIVE 12

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rinvelt, P.E.

CHECKED BY
.. Brown, P.E.

2008 AERIAL PHOTOGRAPH

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APPLIED RIVER ENGINEERING CENTER

US Army Corps of Engineers
St. Louis District

RIVER STRUCTURES

- PROPOSED BANK REALIGNMENT
- MODELED DEPOSITION AREA (NON ERODIBLE)
- PROPOSED DIKE
- PROPOSED WEIR
- PROPOSED DIKE REMOVAL
- EXISTING DIKE
- EXISTING WEIR

LWRP ELEVATION (FEET)

- 0 and Above
- 0 to -10
- -10 to -20
- -20 to -30
- -30 and Below

598
597
596
595
594
593
609.8R
580.4R
576.4R
534.9R
507.2R
502.5R

PLATE NUMBER C14

0 1,000 2,000 Feet

ALTERNATIVE 13

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

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St. Louis District

PLATE NUMBER C15

0 1,000 2,000 Feet

ALTERNATIVE 14

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

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St. Louis District

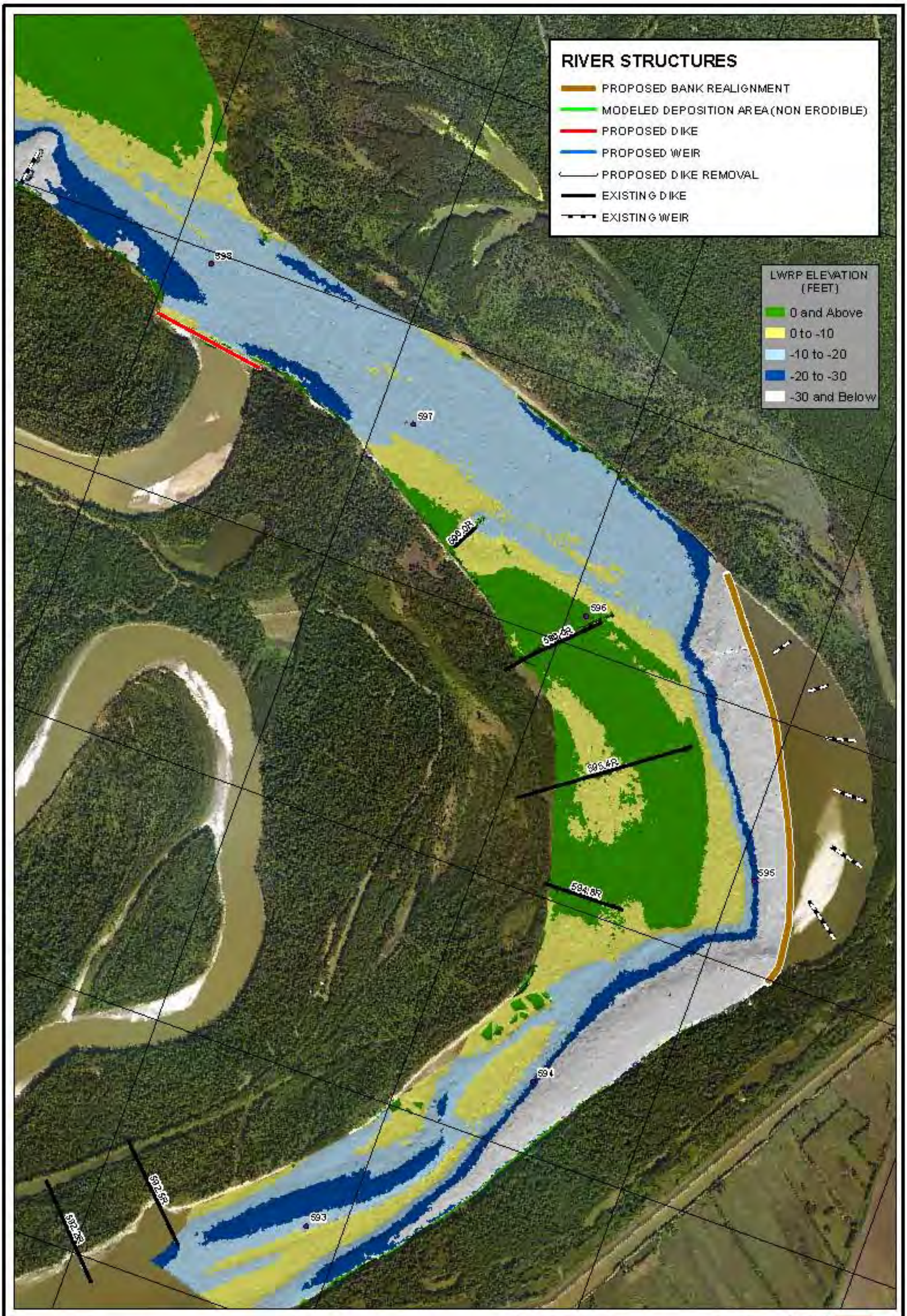

PLATE NUMBER C16

0 1,000 2,000 Feet

ALTERNATIVE 15

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rivvall, P.E.

CHECKED BY
.. Brown, P.E.

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US Army Corps of Engineers
St. Louis District

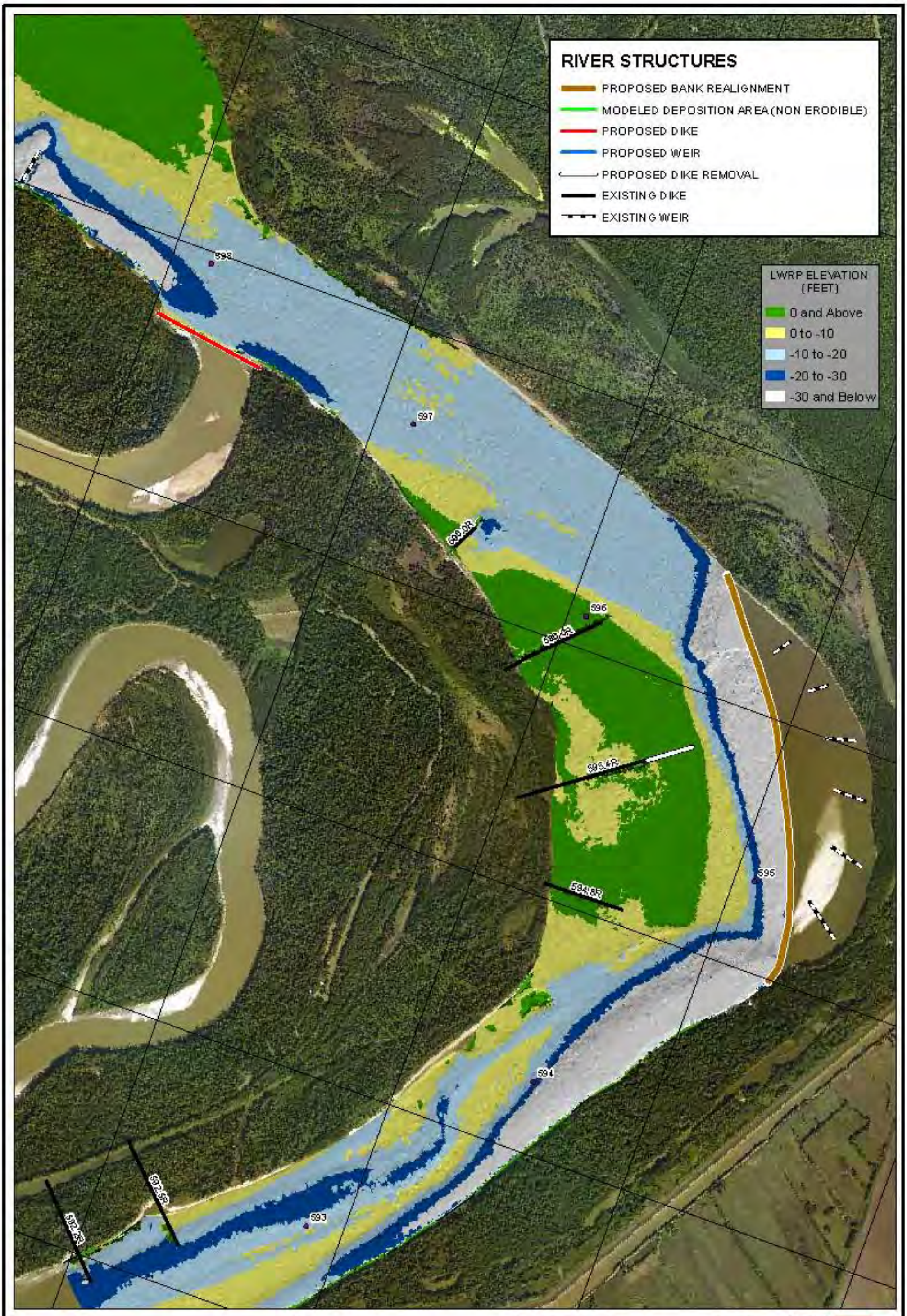

PLATE NUMBER C17

Feet
0 1,000 2,000

ALTERNATIVE 16

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rivvall, P.E.

CHECKED BY
... Brown, P.E.

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US Army Corps of Engineers
St. Louis District

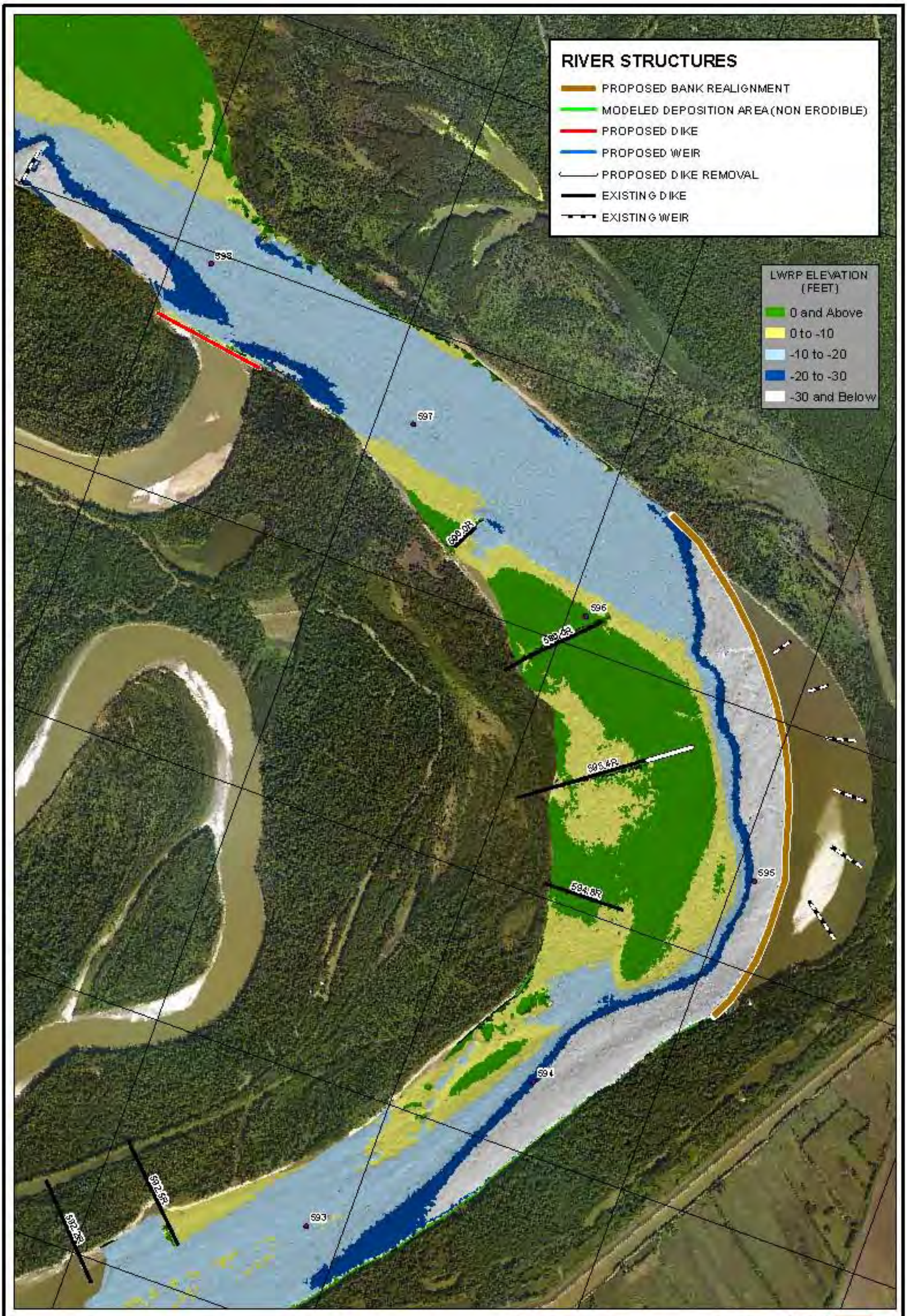

PLATE NUMBER C18

0 1,000 2,000 Feet

ALTERNATIVE 17

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rivvall, P.E.

CHECKED BY
.. Brown, P.E.

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US Army Corps of Engineers
St. Louis District

Applied River Engineering Center

PLATE NUMBER C19

0 1,000 2,000 Feet

ALTERNATIVE 18

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rinvelt, P.E.

CHECKED BY
... Brown, P.E.

2008 AERIAL PHOTOGRAPH

APPLIED RIVER ENGINEERING CENTER

US Army Corps of Engineers
St. Louis District

PLATE NUMBER C20

0 1,000 2,000 Feet

ALTERNATIVE 19

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rivvall, P.E.

CHECKED BY
... Brown, P.E.

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APPLIED RIVER ENGINEERING CENTER

US Army Corps of Engineers
St. Louis District

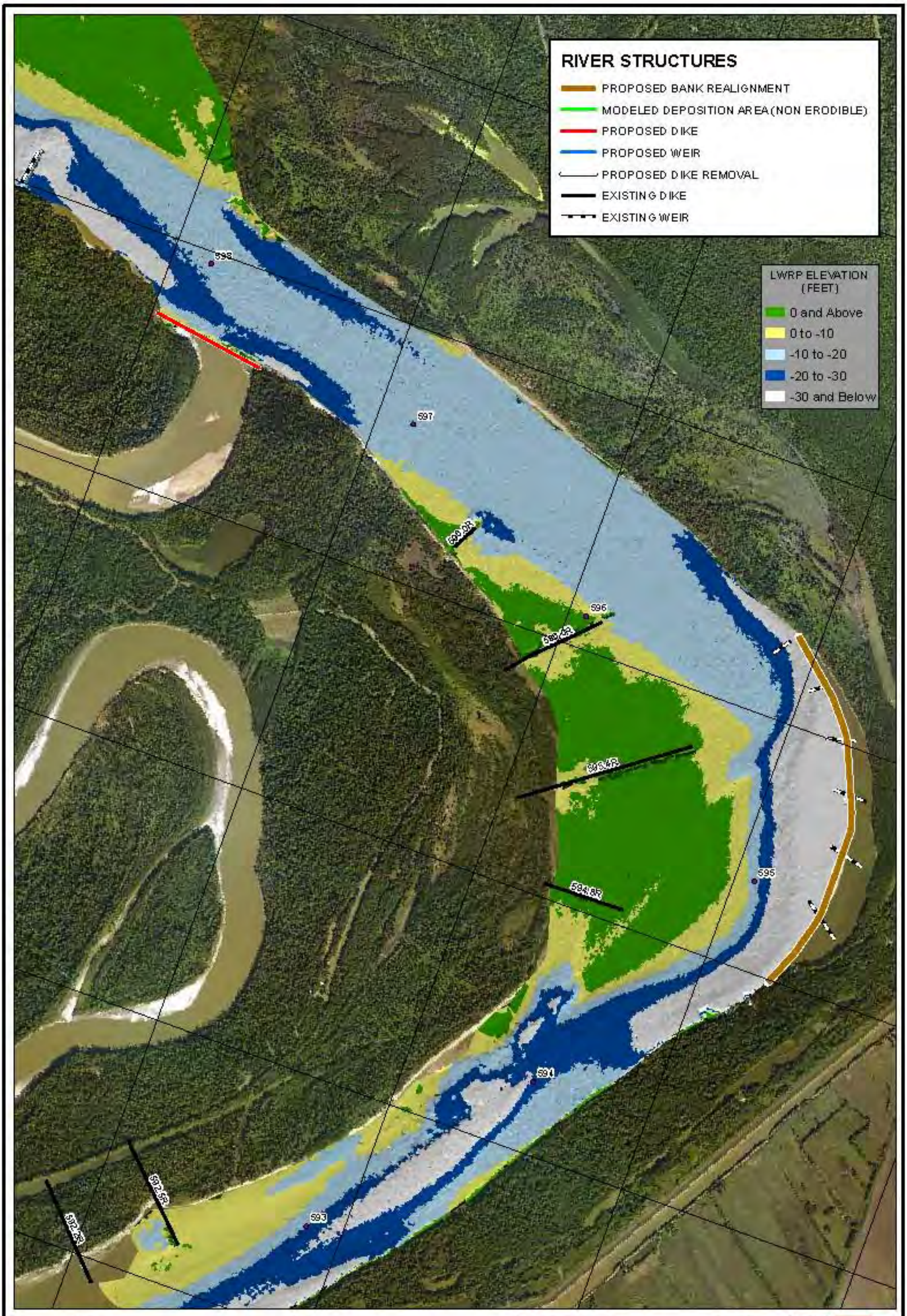

PLATE NUMBER C21

0 1,000 2,000 Feet

ALTERNATIVE 20

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

2008 AERIAL PHOTOGRAPH

US Army Corps of Engineers
St. Louis District

RIVER STRUCTURES

- PROPOSED BANK REALIGNMENT
- MODELED DEPOSITION AREA (NON ERODIBLE)
- PROPOSED DIKE
- PROPOSED WEIR
- PROPOSED DIKE REMOVAL
- EXISTING DIKE
- EXISTING WEIR

LWRP ELEVATION (FEET)

- 0 and Above
- 0 to -10
- -10 to -20
- -20 to -30
- -30 and Below

598

597

596

595

594

593

599.8R

596.4R

595.4R

594.8R

592.6R

592.2R

PLATE NUMBER C22

0 1,000 2,000 Feet

ALTERNATIVE 21

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rivvall, P.E.

CHECKED BY
.. Brown, P.E.

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APPLIED RIVER ENGINEERING CENTER

US Army Corps of Engineers
St. Louis District

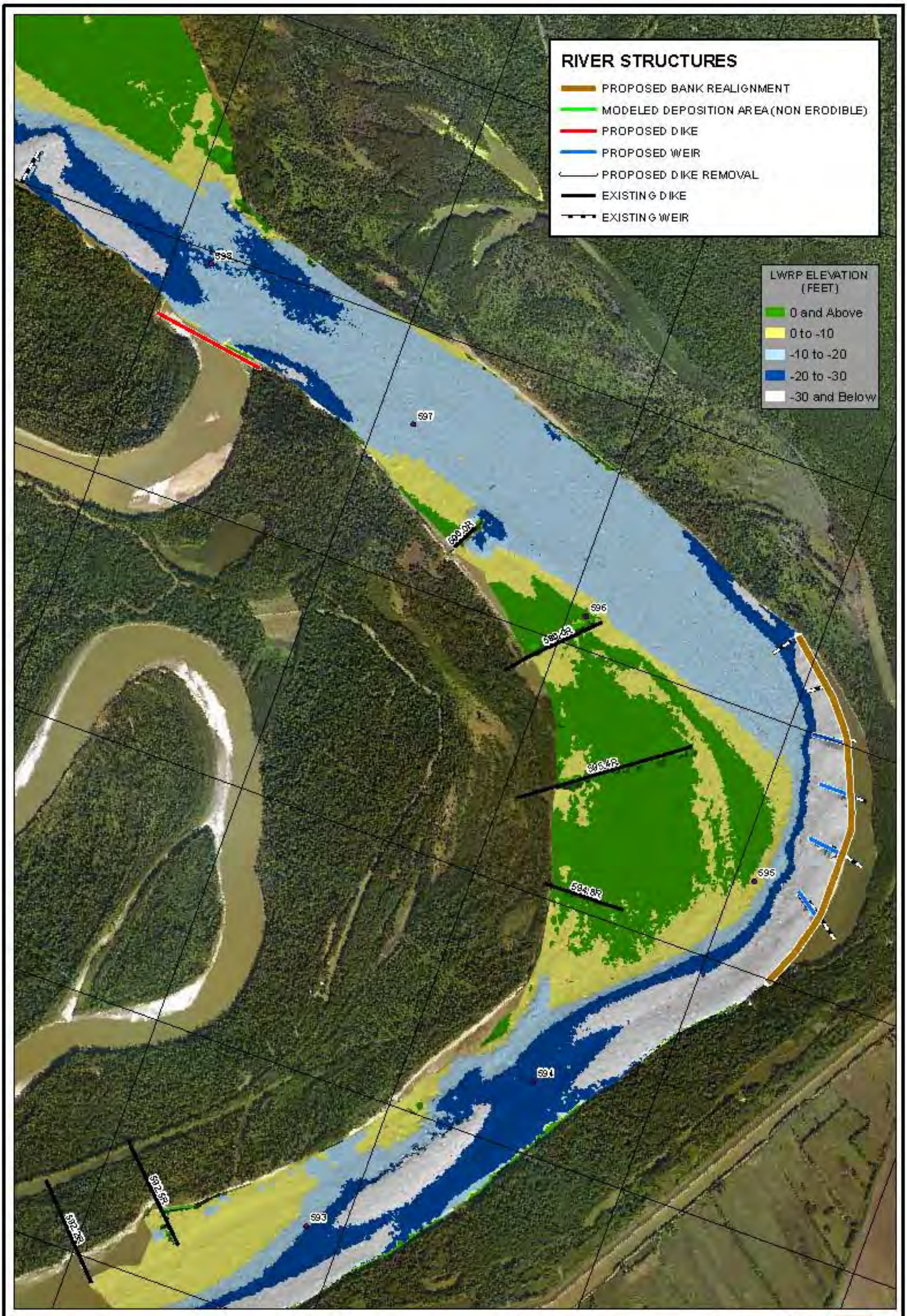

PLATE NUMBER C23

0 1,000 2,000 Feet

ALTERNATIVE 22

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rivvall, P.E.

CHECKED BY
... Brown, P.E.

2008 AERIAL PHOTOGRAPH

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APPLIED RIVER ENGINEERING CENTER

US Army Corps of Engineers
St. Louis District

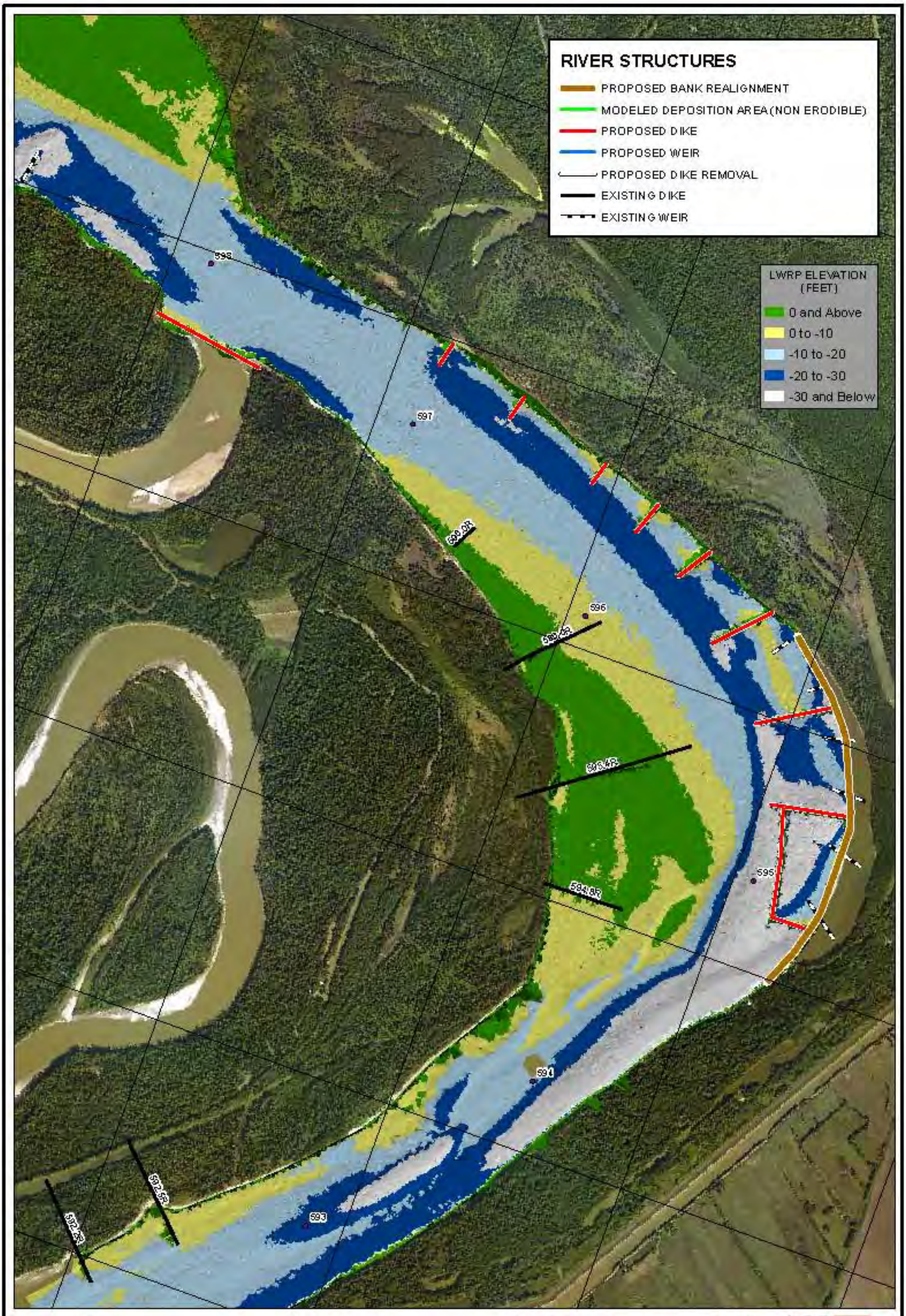

PLATE NUMBER C24

0 1,000 2,000 Feet

ALTERNATIVE 23

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rivvall, P.E.

CHECKED BY
.. Brown, P.E.

2008 AERIAL PHOTOGRAPH

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APPLIED RIVER ENGINEERING CENTER

US Army Corps of Engineers
St. Louis District

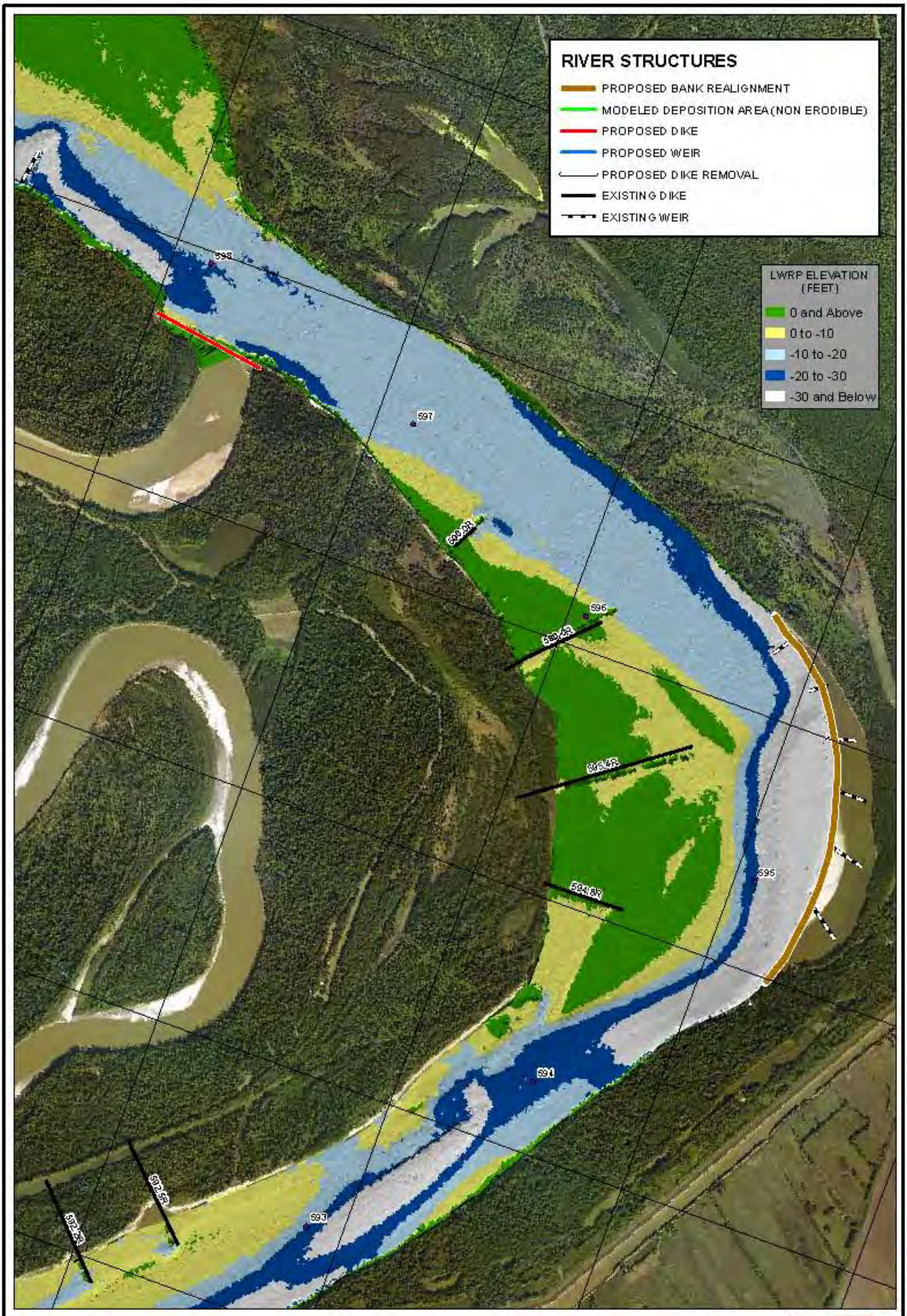

PLATE NUMBER C25

0 1,000 2,000 Feet

ALTERNATIVE 24

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rivvall, P.E.

CHECKED BY
.. Brown, P.E.

2008 AERIAL PHOTOGRAPH

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US Army Corps of Engineers
St. Louis District

PLATE NUMBER C26

0 1,000 2,000 Feet

ALTERNATIVE 25

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rivvall, P.E.

CHECKED BY
... Brown, P.E.

2008 AERIAL PHOTOGRAPH

US Army Corps of Engineers
St. Louis District

Applied River Engineering Center

PLATE NUMBER C27

0 1,000 2,000 Feet

ALTERNATIVE 2S

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rivvall, P.E.

CHECKED BY
... Brown, P.E.

2008 AERIAL PHOTOGRAPH

APPLIED RIVER ENGINEERING CENTER

US Army Corps of Engineers
St. Louis District

PLATE NUMBER C28

0 1,000 2,000 Feet

ALTERNATIVE 27

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rivvall, P.E.

CHECKED BY
... Brown, P.E.

2008 AERIAL PHOTOGRAPH

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US Army Corps of Engineers
St. Louis District

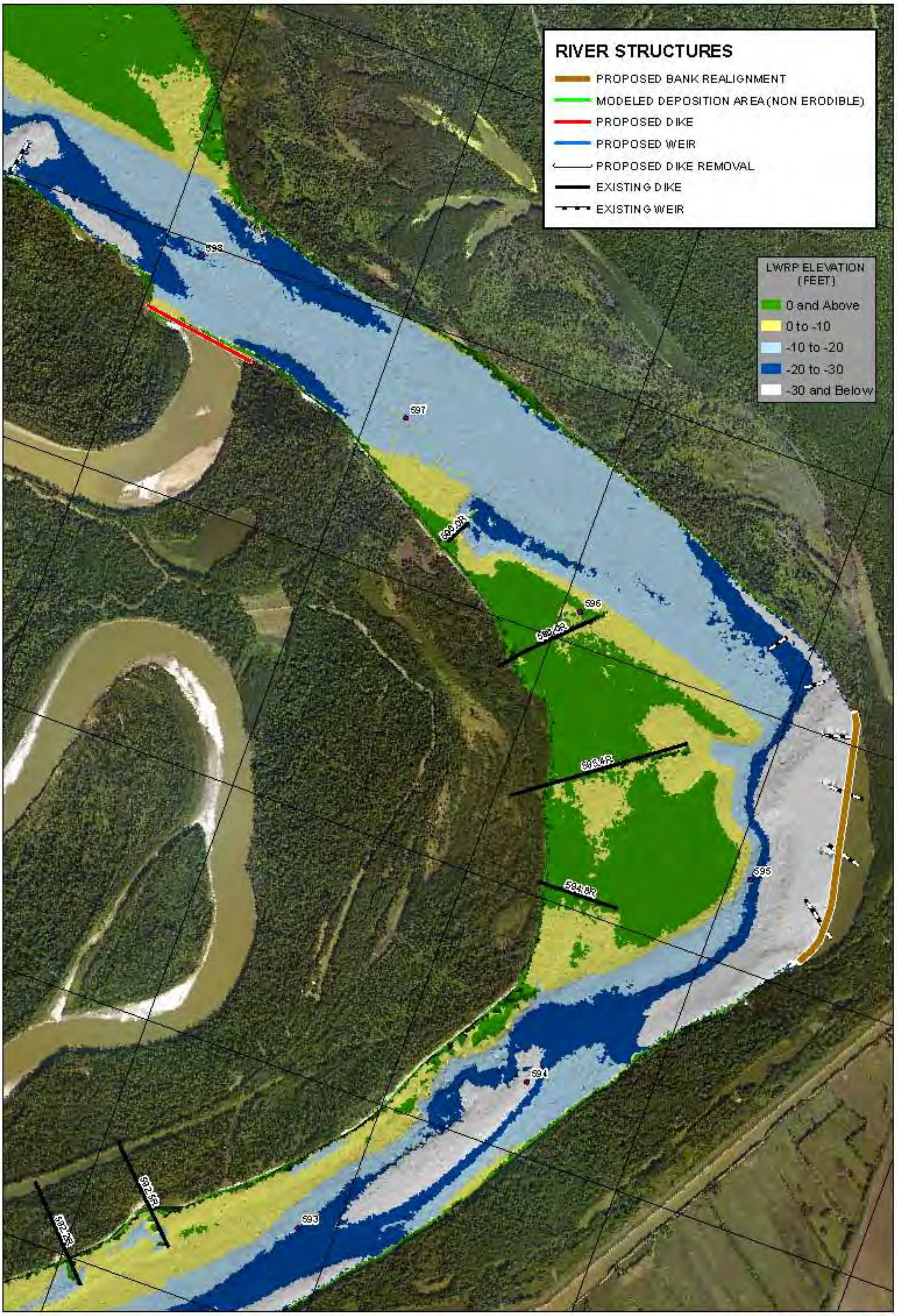

PLATE NUMBER C29

0 1,000 2,000 Feet

ALTERNATIVE 2B

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rinvelt, P.E.

CHECKED BY
... Brown, P.E.

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US Army Corps of Engineers
St. Louis District

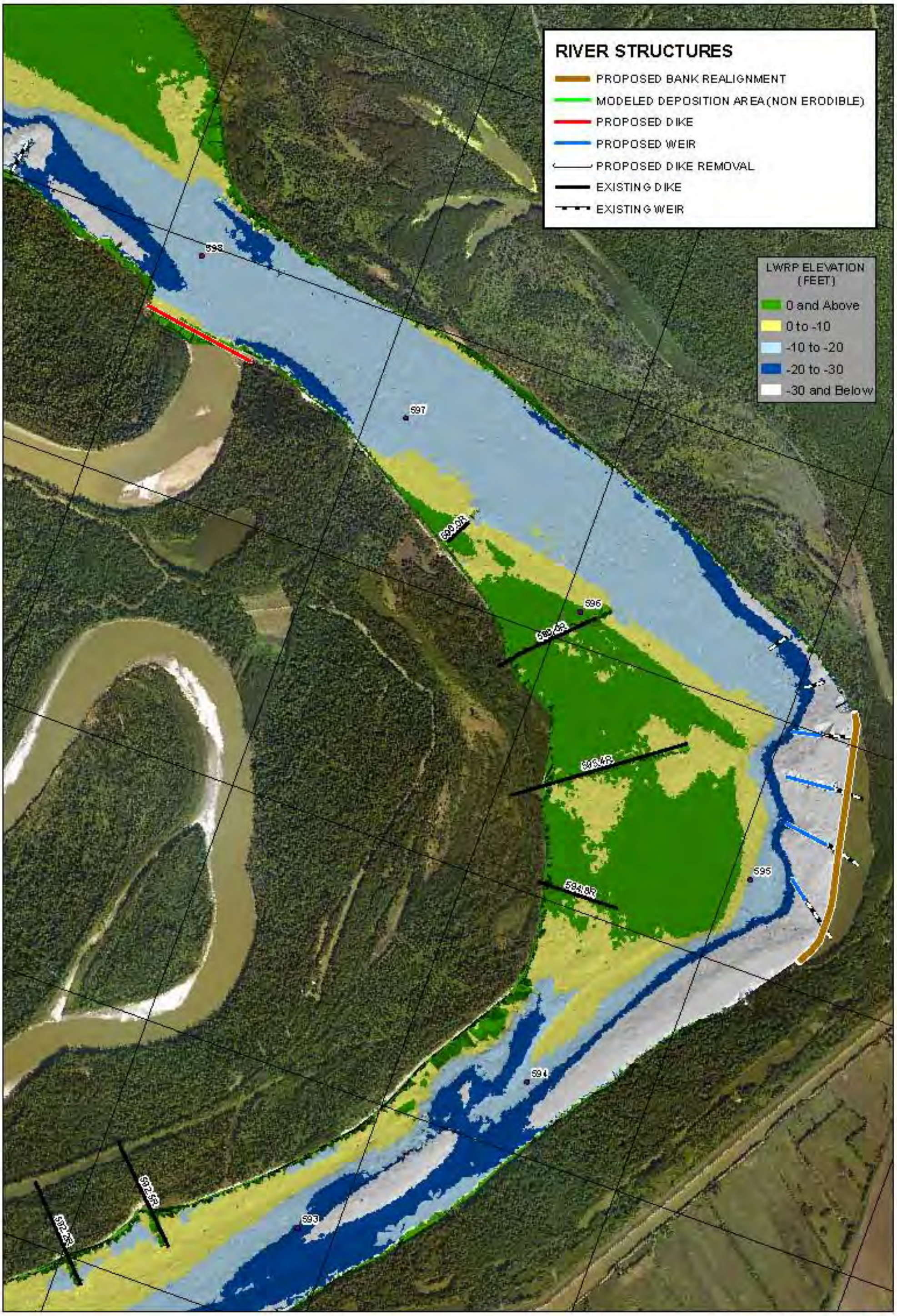

PLATE NUMBER C30

0 1,000 2,000 Feet

ALTERNATIVE 29

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

2008 AERIAL PHOTOGRAPH

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St. Louis District

APPLIED RIVER ENGINEERING CENTER

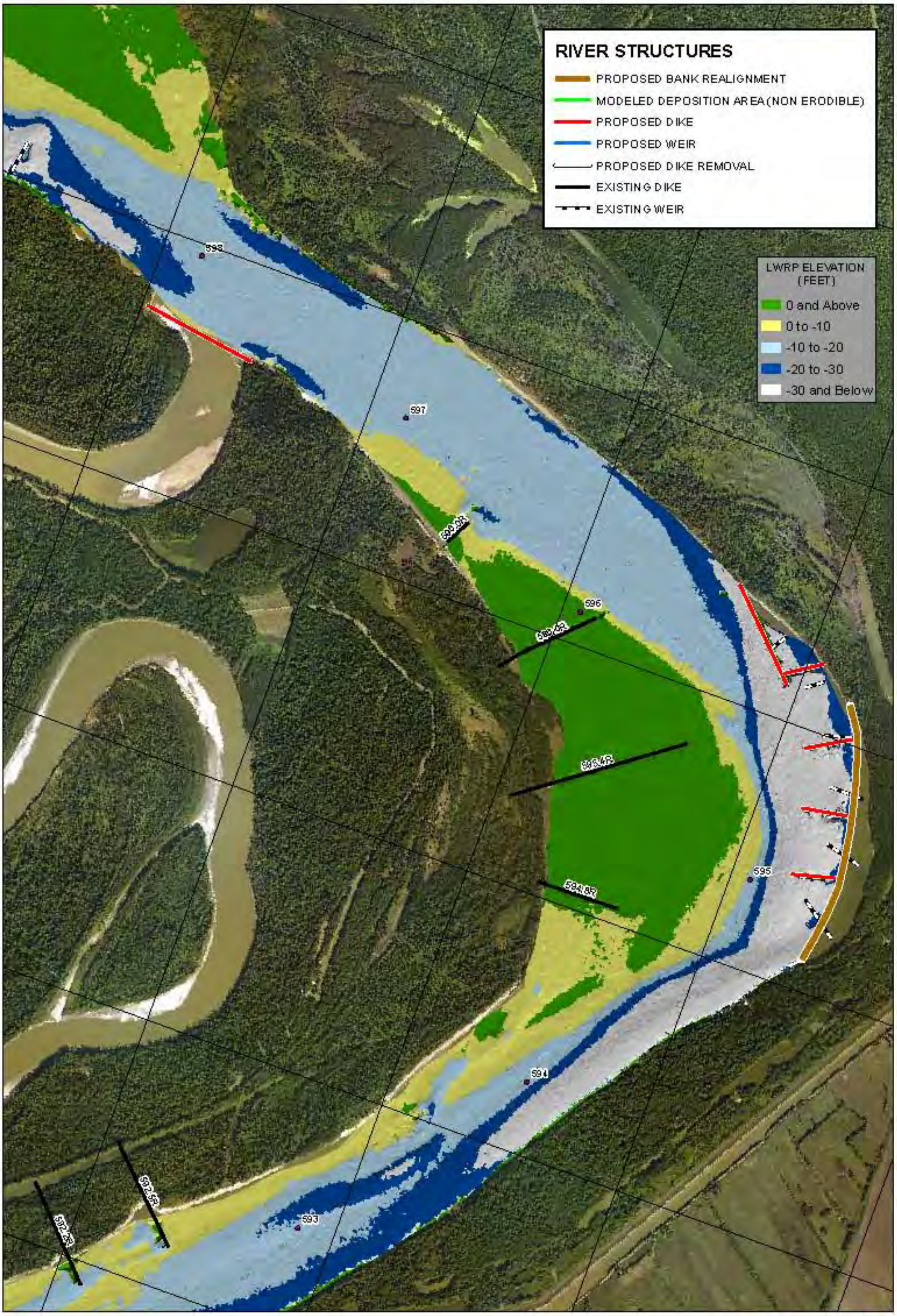

PLATE NUMBER C31

0 1,000 2,000 Feet

ALTERNATIVE 30

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rivvall, P.E.

CHECKED BY
... Brown, P.E.

2008 AERIAL PHOTOGRAPH

N W E S

APPLIED RIVER ENGINEERING CENTER

US Army Corps of Engineers
St. Louis District

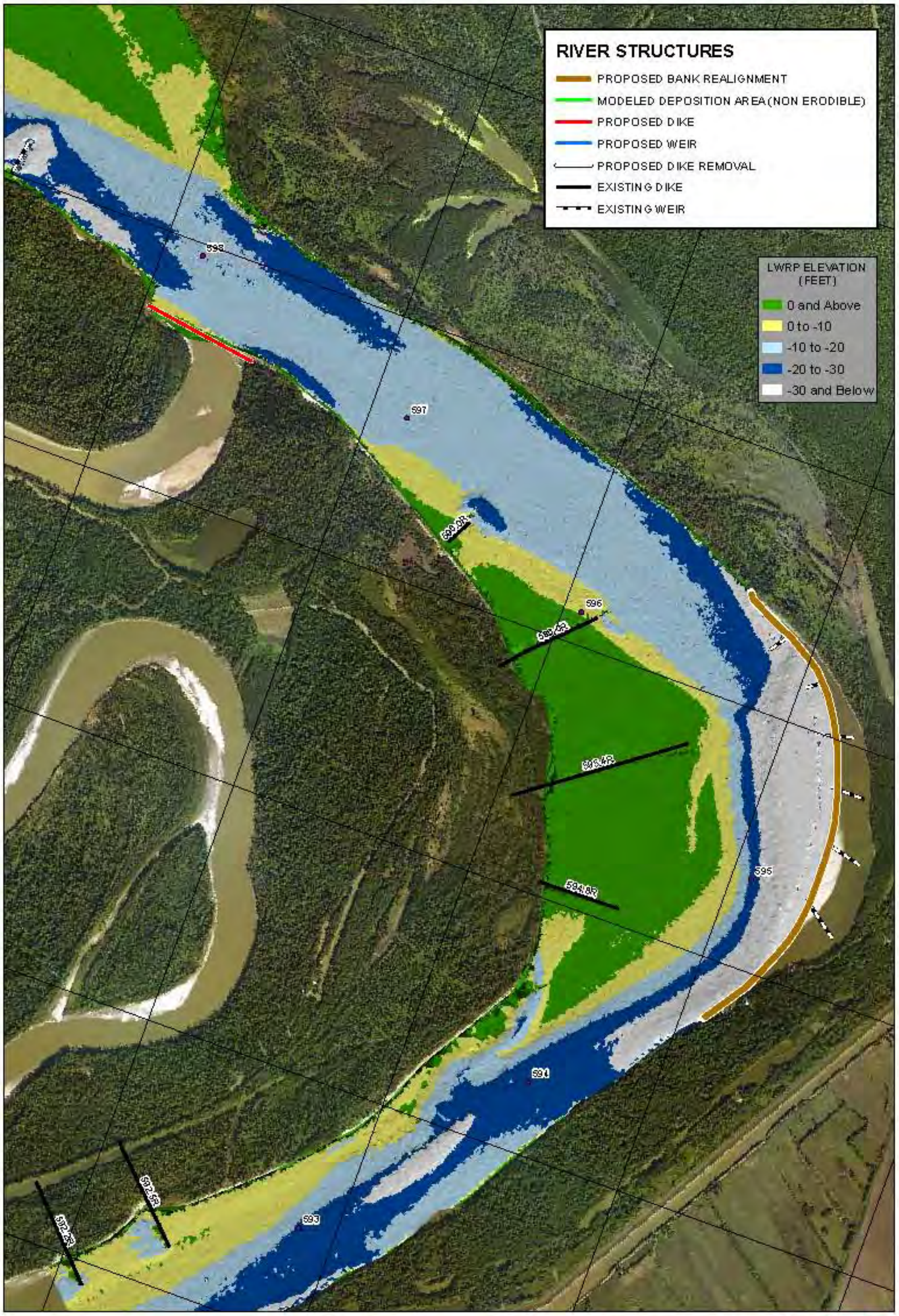

PLATE NUMBER C32

Feet
0 1,000 2,000

ALTERNATIVE 31

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

2008 AERIAL PHOTOGRAPH

US Army Corps of Engineers
St. Louis District

APPLIED RIVER ENGINEERING CENTER

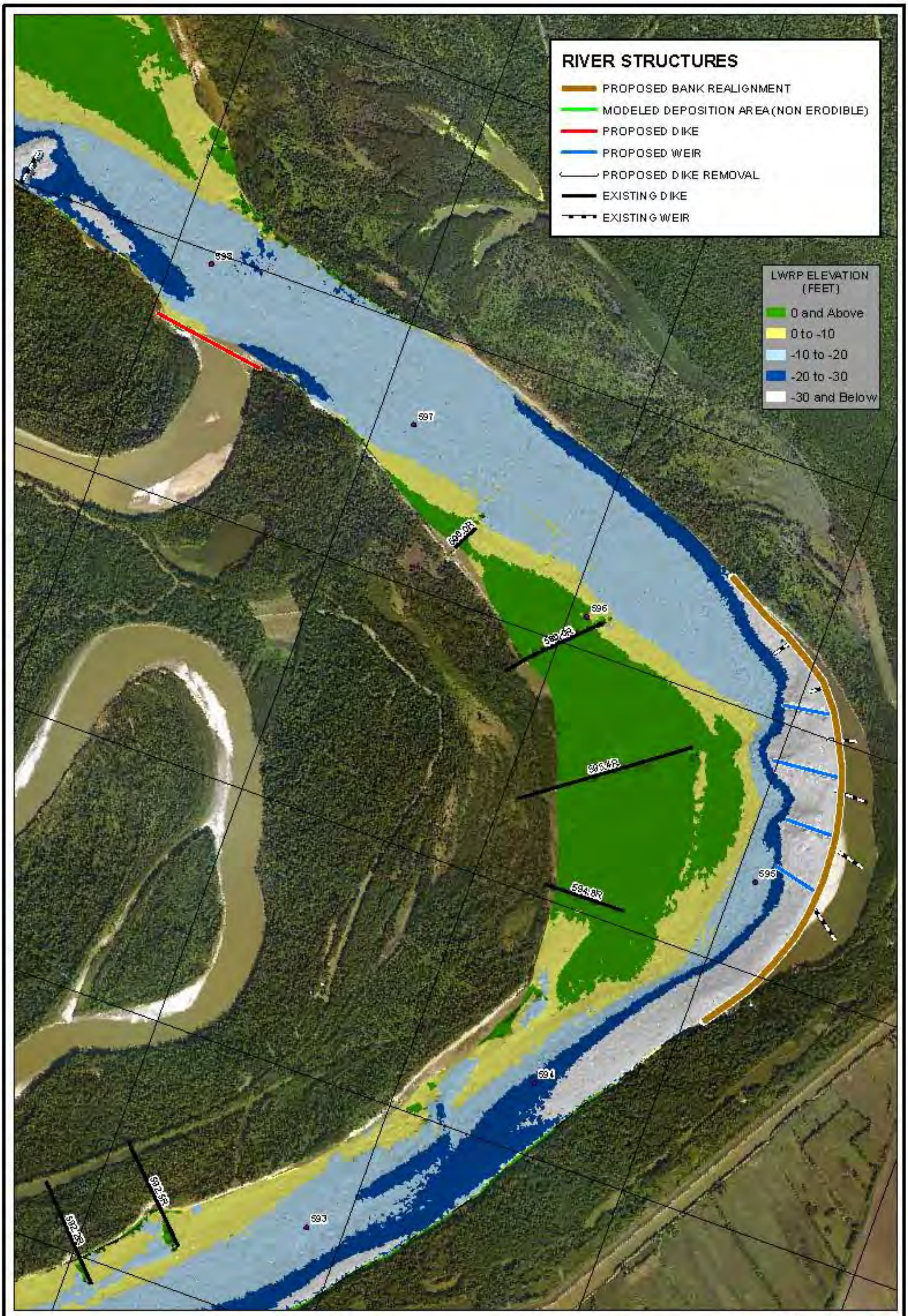

PLATE NUMBER C33

0 1,000 2,000 Feet

ALTERNATIVE 32

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rinvelt, P.E.

CHECKED BY
... Brown, P.E.

2008 AERIAL PHOTOGRAPH

N W E S

ARMY RIVER ENGINEERING CENTER

US Army Corps of Engineers
St. Louis District

RIVER STRUCTURES

- PROPOSED BANK REALIGNMENT
- MODELED DEPOSITION AREA (NON ERODIBLE)
- PROPOSED DIKE
- PROPOSED WEIR
- PROPOSED DIKE REMOVAL
- EXISTING DIKE
- EXISTING WEIR

LWRP ELEVATION (FEET)

- 0 and Above
- 0 to -10
- -10 to -20
- -20 to -30
- -30 and Below

598
597
596
595
594
593
609.8R
580.4R
549.4R
534.8R
502.2R
502.5R

PLATE NUMBER C34

0 1,000 2,000 Feet

ALTERNATIVE 33

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rinvelt, P.E.

CHECKED BY
.. Brown, P.E.

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US Army Corps of Engineers
St. Louis District

PLATE NUMBER C35

Feet
0 1,000 2,000

ALTERNATIVE 34

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

2008 AERIAL PHOTOGRAPH

US Army Corps of Engineers
St. Louis District

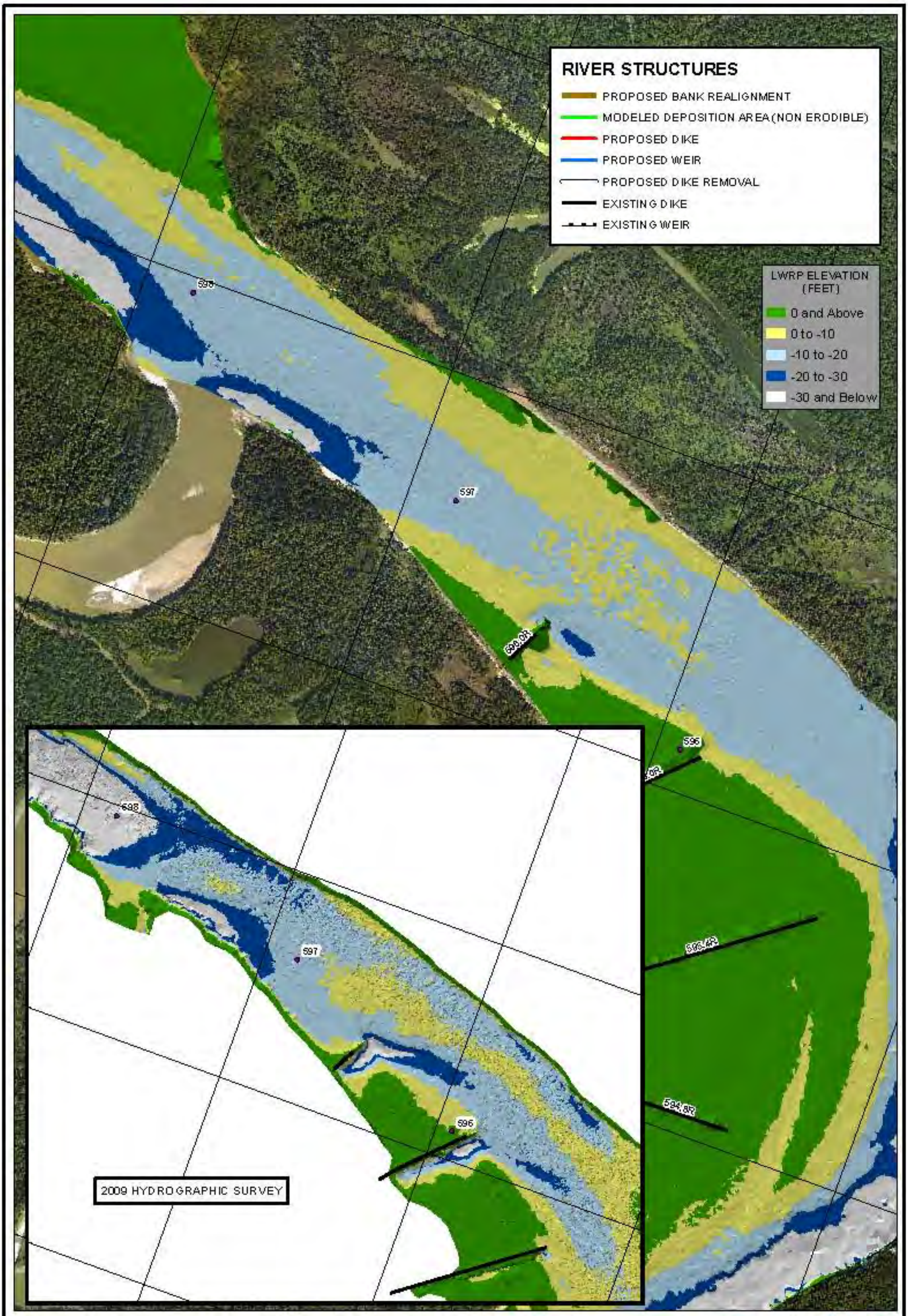

PLATE NUMBER D1

0 1,000 2,000 Feet

OLD WHITE RIVER CUTOFF
DIKE REMOVED

U.S. ARMY CORPS OF ENGINEERS
ST. LOUIS, DISTRICT

VICTORIA BEND HSR MODEL
LOWER MISSISSIPPI RIVER MILES 600 - 590

PREPARED BY
P. Rivvall, P.E.

CHECKED BY
... Brown, P.E.

2008 AERIAL PHOTOGRAPH

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US Army Corps of Engineers
St. Louis District