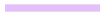
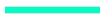


2017 Channel Improvement Master Plan

Dike		Chevron		M R S		W Dike	
	EXISTING		EXISTING		EXISTING		EXISTING
	UNDER CONSTR.		UNDER CONSTR.		UNDER CONSTR.		UNDER CONSTR.
	FUTURE ENV WORK		FUTURE ENV WORK		FUTURE ENV WORK		FUTURE ENV WORK
	FY 17		FY 17		FY 17		FY 17
	FY 18		FY 18		FY 18		FY 18
	FY 19		FY 19		FY 19		FY 19
	FY 20		FY 20		FY 20		FY 20
	FY 21+		FY 21+		FY 21+		FY 21+

Revetment

	EXISTING
	UNDER CONSTR.
	FUTURE ENV WORK
	FY 17
	FY 18
	FY 19
	FY 20
	FY 21+

Bendway Weir

	EXISTING
	
	FUTURE ENV WORK
	FY 17
	FY 18
	FY 19
	FY 20
	FY 21+

Bathymetry

(Feet above and below LWRP)	
	10 ft
	0 ft
	-10 ft
	-20 ft
	-30 ft
	Contour
	LWRP 14 / MIN REG POOL

Dredging

	Dredge Cut Area Since January 1, 2011
	Dredge Disposal Area Since January 1, 2011
	Rock Removal Location
	Rock Disposal Site

Environmental

	Pallid Sturgeon Location
	Least Tern Nesting Site
	Woody Structure
	Mussel

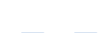
Survey Information

The information depicted on these maps represent the results of surveys made on the dates indicated and can only be considered as indicating the general conditions existng at that time

Projection Information

Projected Coordinate System: NAD_1927_StatePlane_Missouri_East_FIPS_2401
Projection: Transverse_Mercator
False_Easting: 500000.00000000
False_Northing: 0.00000000
Central_Meridian: -90.50000000
Scale_Factor: 0.99993333
Latitude_Of_Origin: 35.83333333
Linear Unit: Foot_US (0.304801)

Miscellaneous

	Channel Alignment
	River Mile
	Communications Line
	Electrical Line
	Pipeline
	Dam
	Lock Chamber
	Lock Guidewall
	Mooring Buoy
	Ferry
	Bridge
	Bridge Pier
	Gaging Station
	Bank Line
	Interstate Highway
	U.S. Highway
	State Highway
	Flowsplit Range Line
	Possible Future Worksite
	Monitor Bankline

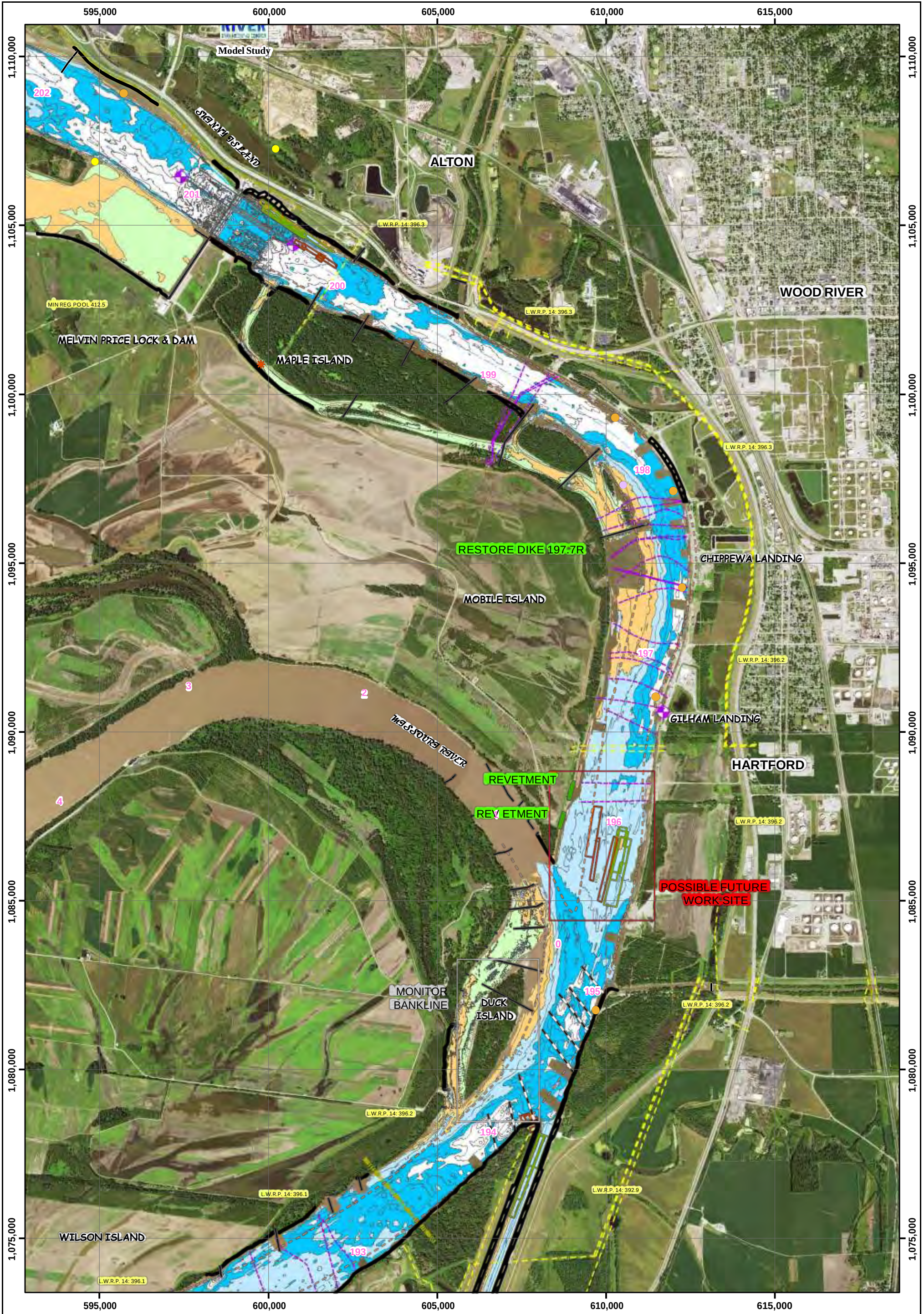


PLATE
NUMBER

1

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Feet

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SURVEY DATE RM 200-300: 2015
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SIDE CHANNEL SURVEY DATE RM 0-200: 2014
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	ECSD	D. Lamm,	Feb 01, 2017
	DESIGNED BY:	FILE NAME:	
UPPER MISSISSIPPI RIVER BASIN 2017 Channel Improvement Master Plan	EC-HD & EC-HR	T:\GIS\Arcmap Documents\Channel Improvement\2017\2017 CI Master Plan.mxd	
	APPROVED:	R. Davinroy, D. Gordon	



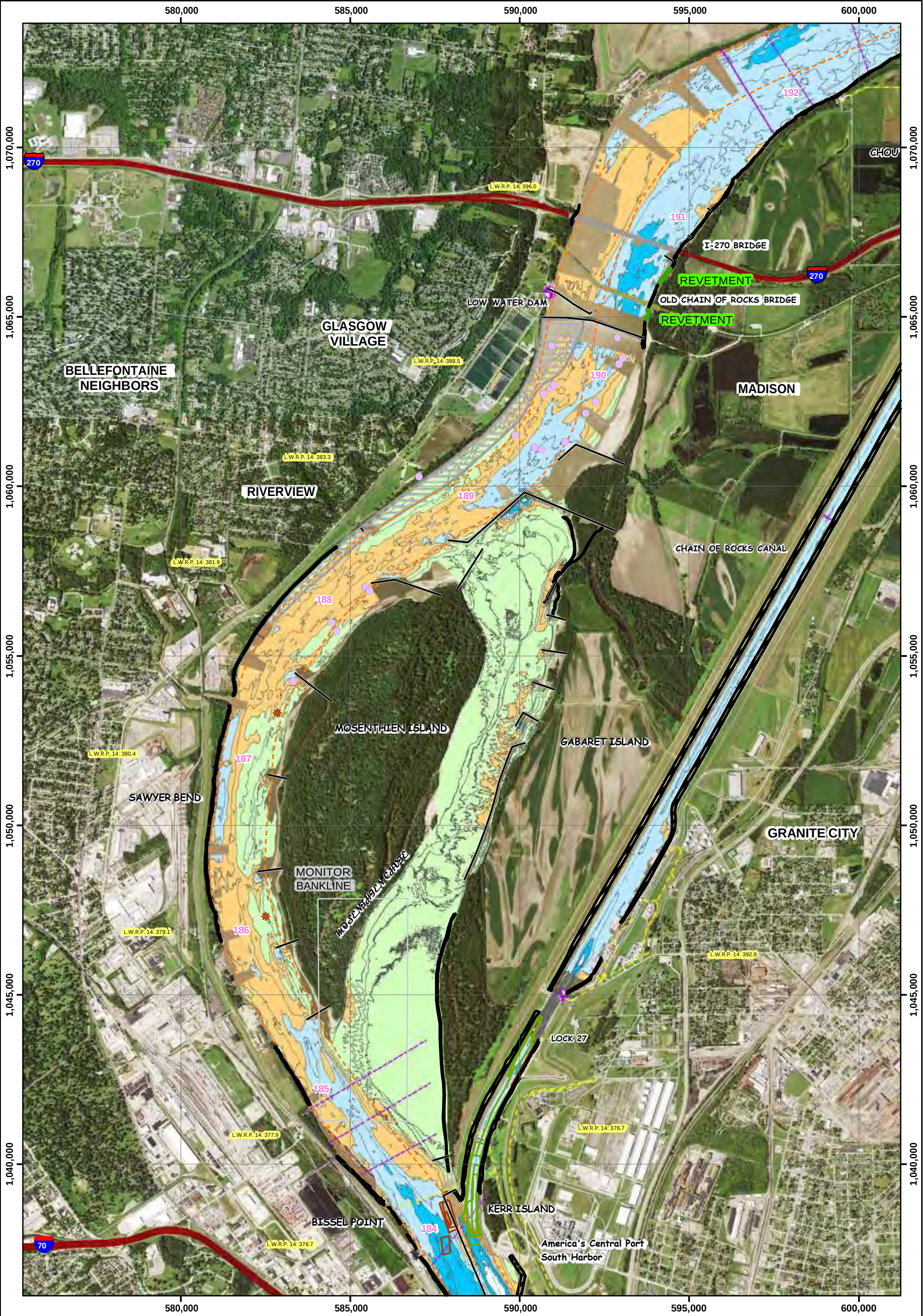


PLATE
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Feet

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UPPER MISSISSIPPI RIVER BASIN 2017 Channel Improvement Master Plan	EC-HD & EC-HR		
	APPROVED:		
	R. Davinroy, D. Gordon		T:\GIS\Arcmap Documents\ Channel Improvement\2017\ 2017 CI Master Plan.mxd



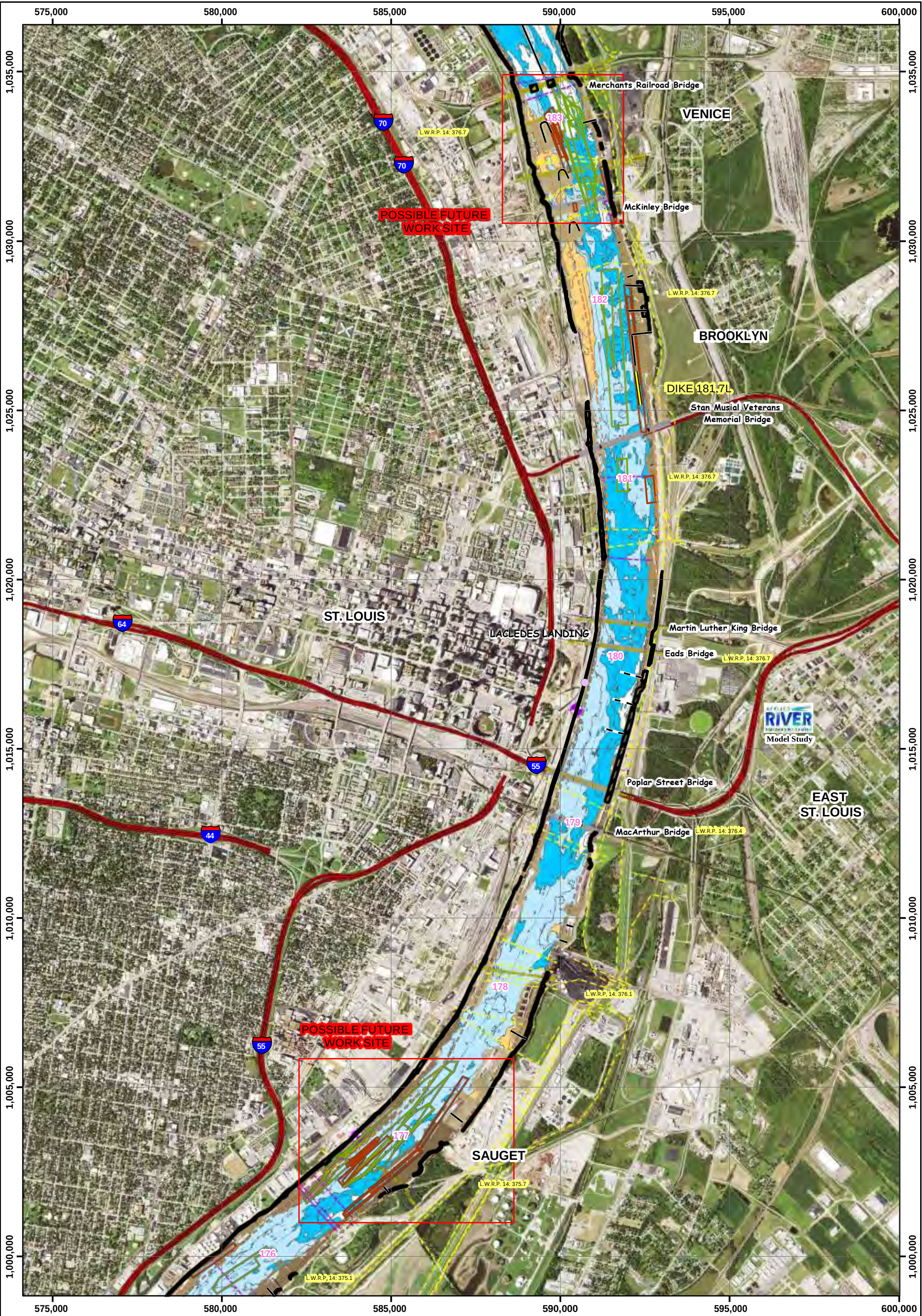


PLATE
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				APPROVED: R. Davinroy, D. Gordon



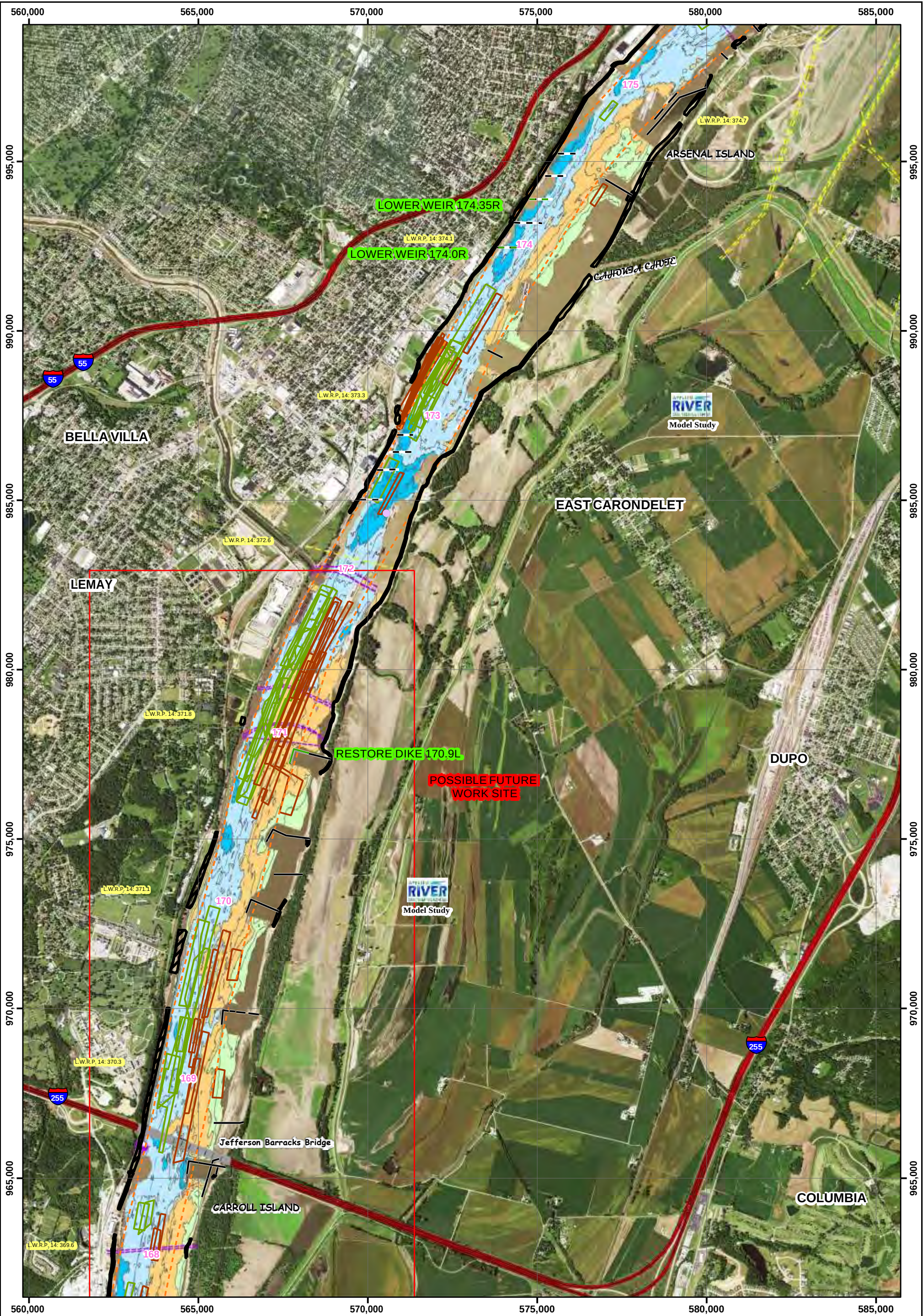


PLATE
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COMPILED BY: ECSD	CHECKED BY: D. Lamm,
DESIGNED BY: EC-HD & EC-HR	SUBMITTED: Feb 01, 2017
APPROVED: R. Davinroy, D. Gordon	FILE NAME: T:\GIS\Arcmap Documents\ Channel Improvement\2017\ 2017 CI Master Plan.mxd



APPLIED
RIVER
ENGINEERING CENTER

**US Army Corps
of Engineers**
St. Louis District
Center of Expertise for
Photogrammetric Mapping



PLATE
NUMBER

6

0 500 1,000 2,000 3,000 4,000
Feet

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EC-HD & EC-HR		T:\GIS\Arcmap Documents\Channel Improvement\2017\2017 CI Master Plan.mxd	
APPROVED:			
R. Davinroy, D. Gordon			



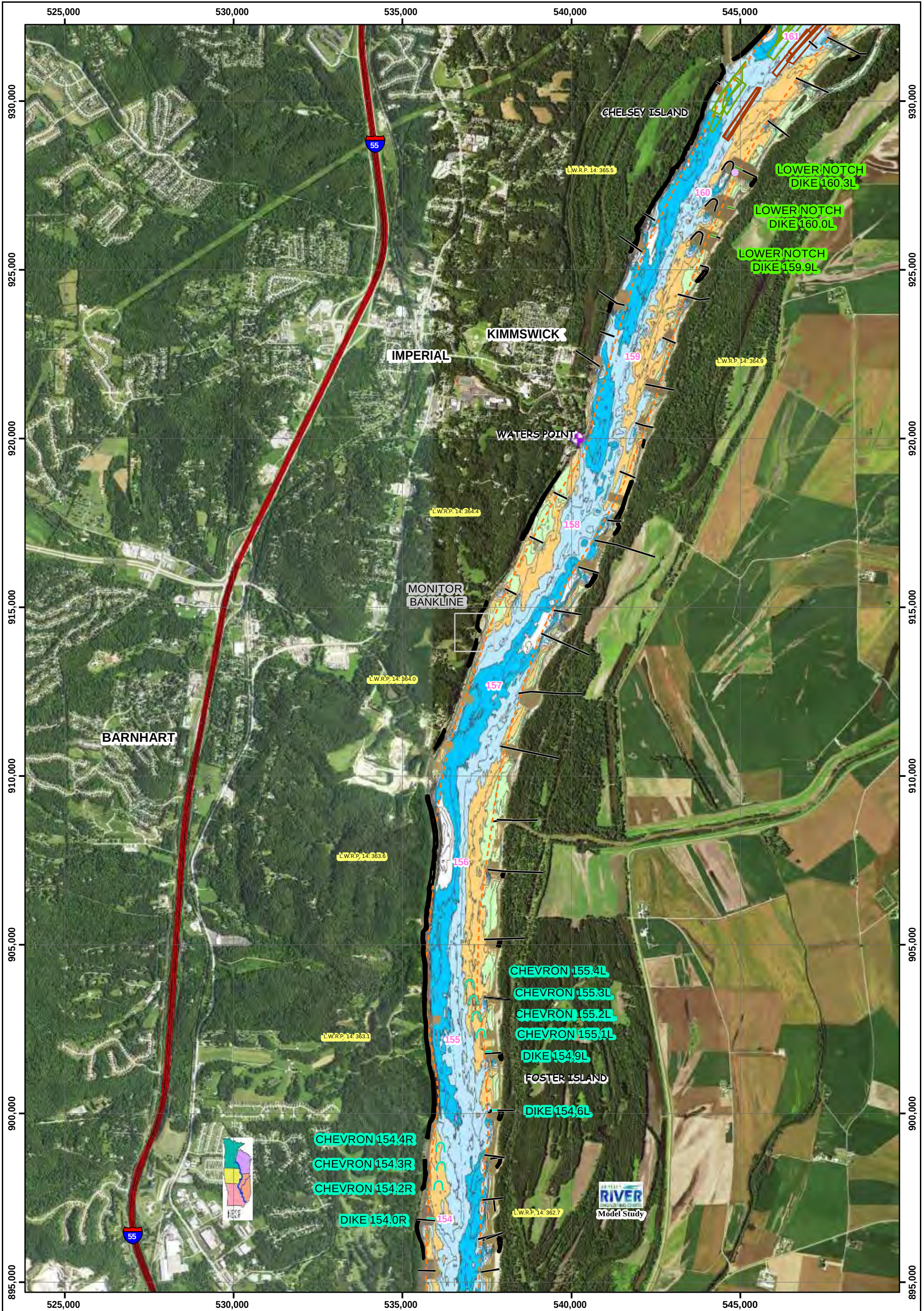


PLATE
NUMBER

7

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COMPILED BY:	D. Lamm,	FEB 01, 2017
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DESIGNED BY:	FILE NAME:	
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APPROVED:		
R. Davinroy, D. Gordon		



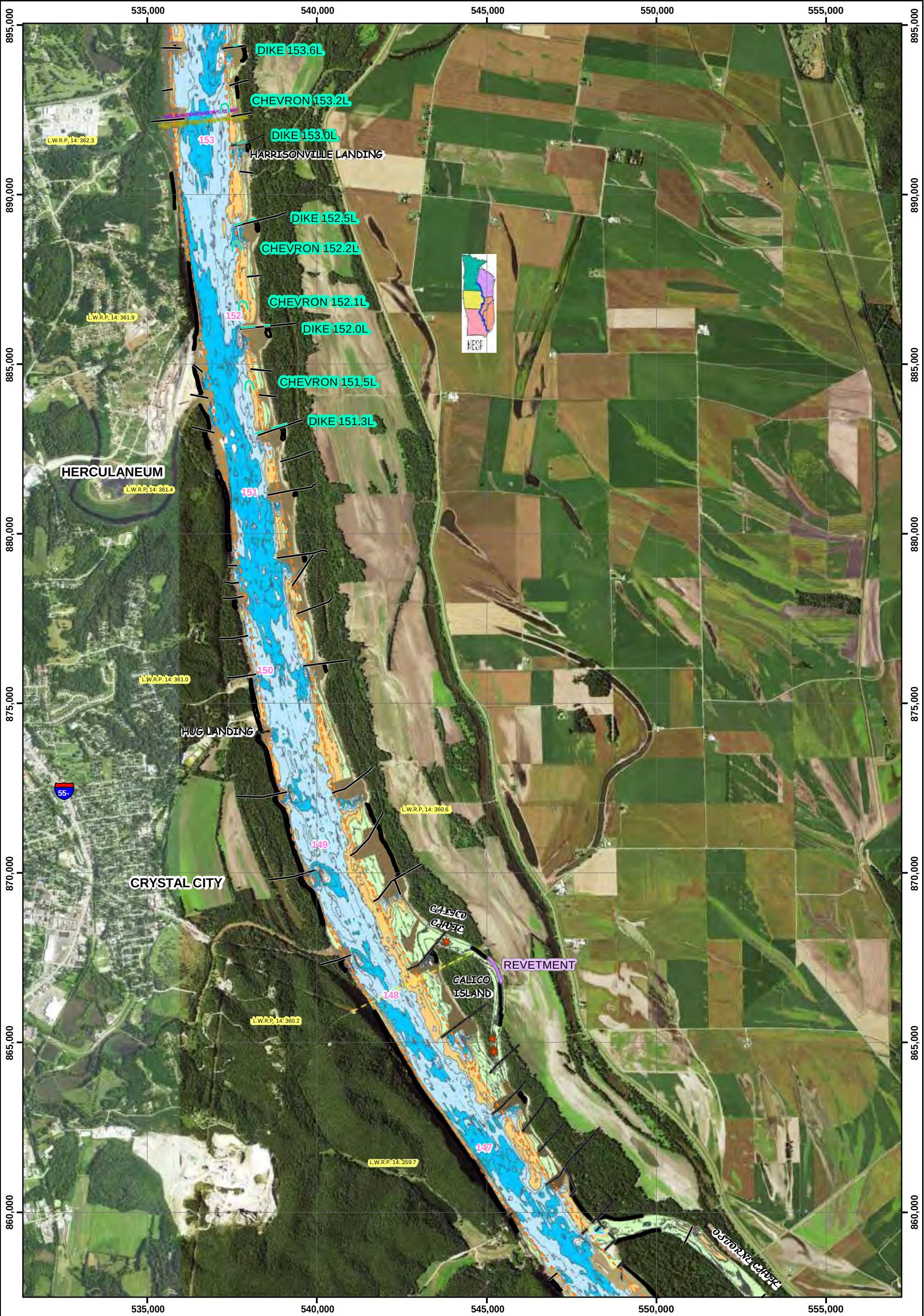


PLATE
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Feet

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	APPROVED: R. Davinroy, D. Gordon			



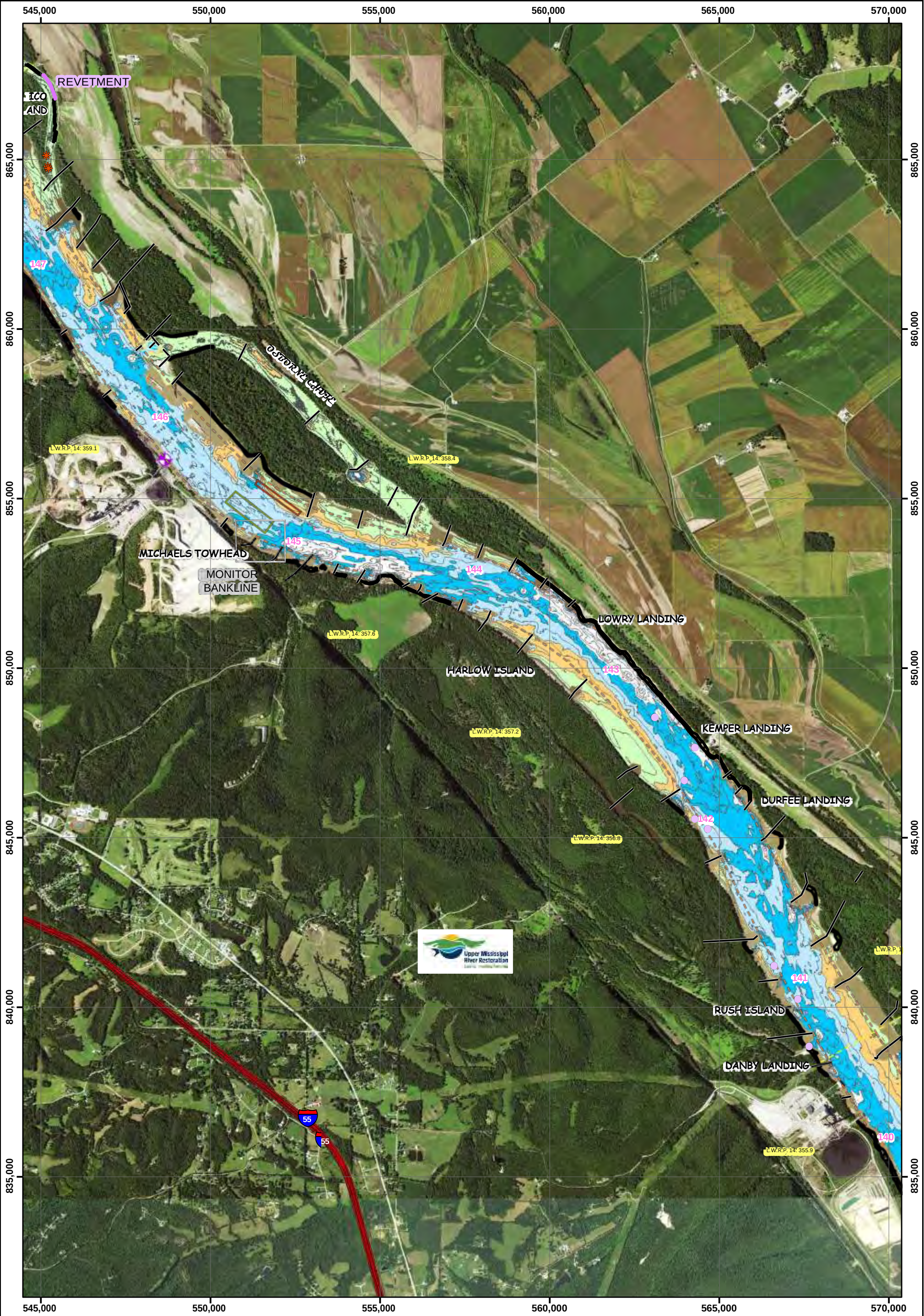


PLATE
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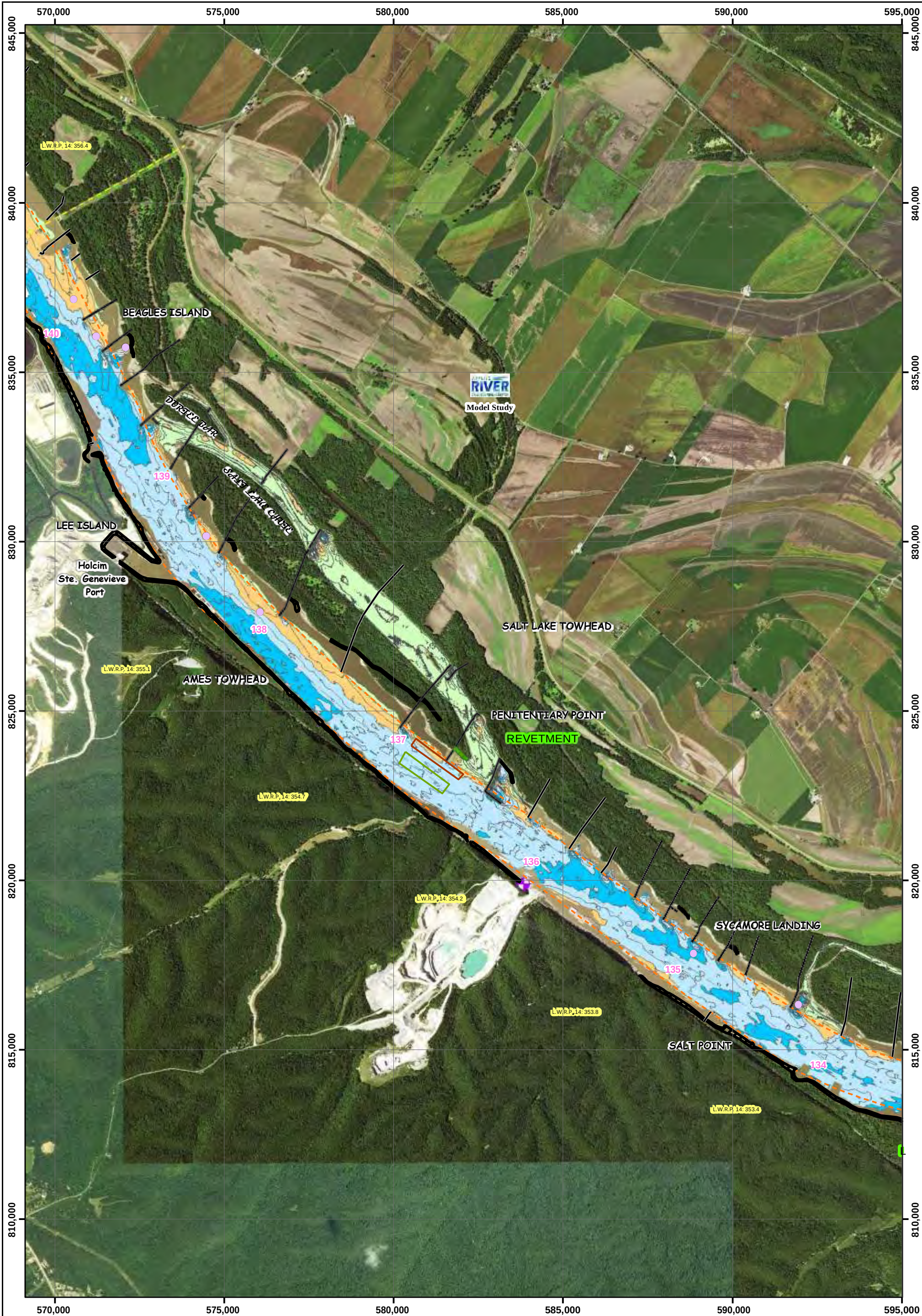


PLATE
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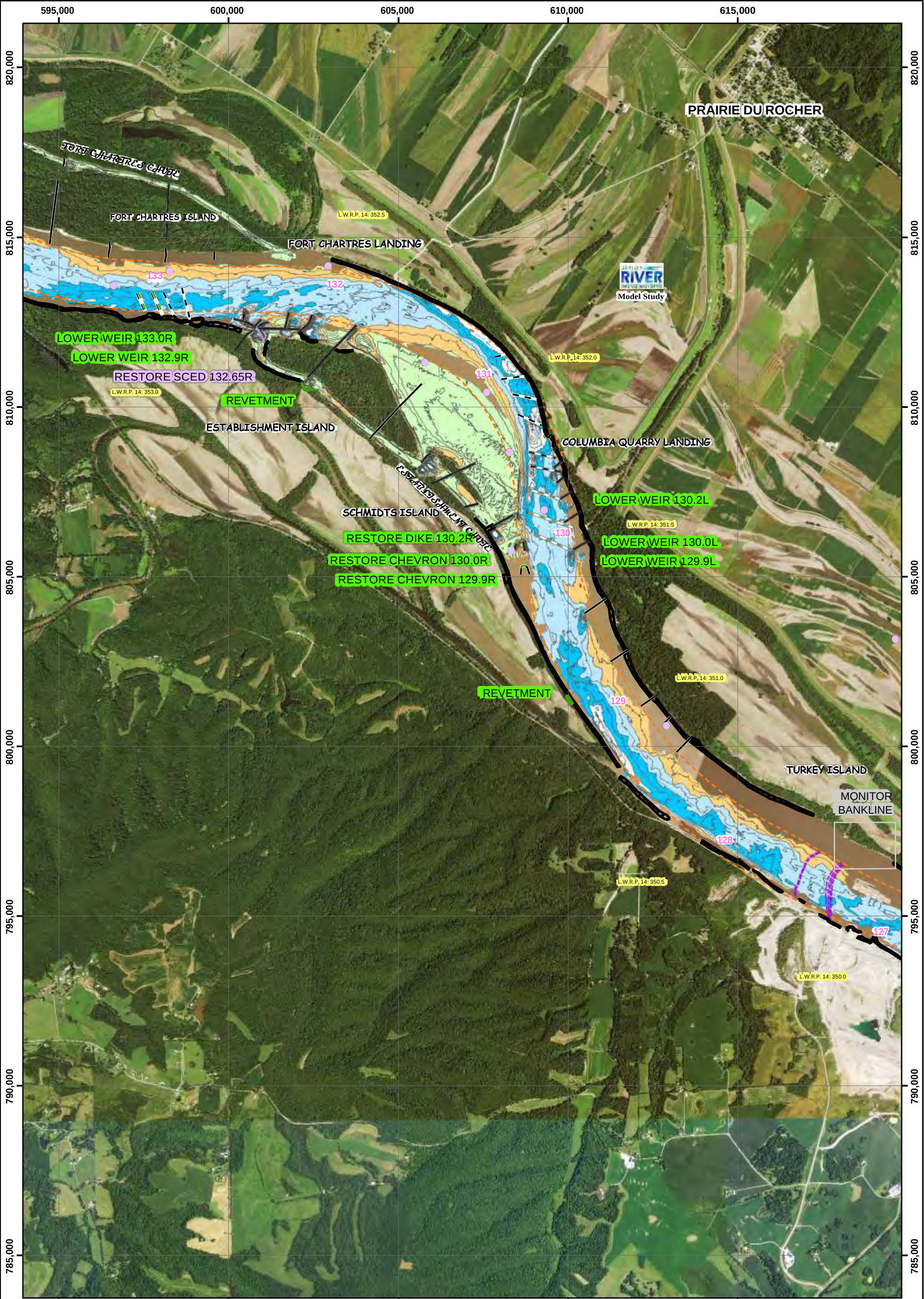


PLATE
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11

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Feet

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ST. LOUIS, MISSOURI

UPPER MISSISSIPPI RIVER BASIN
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APPROVED:			
R. Davinroy, D. Gordon			



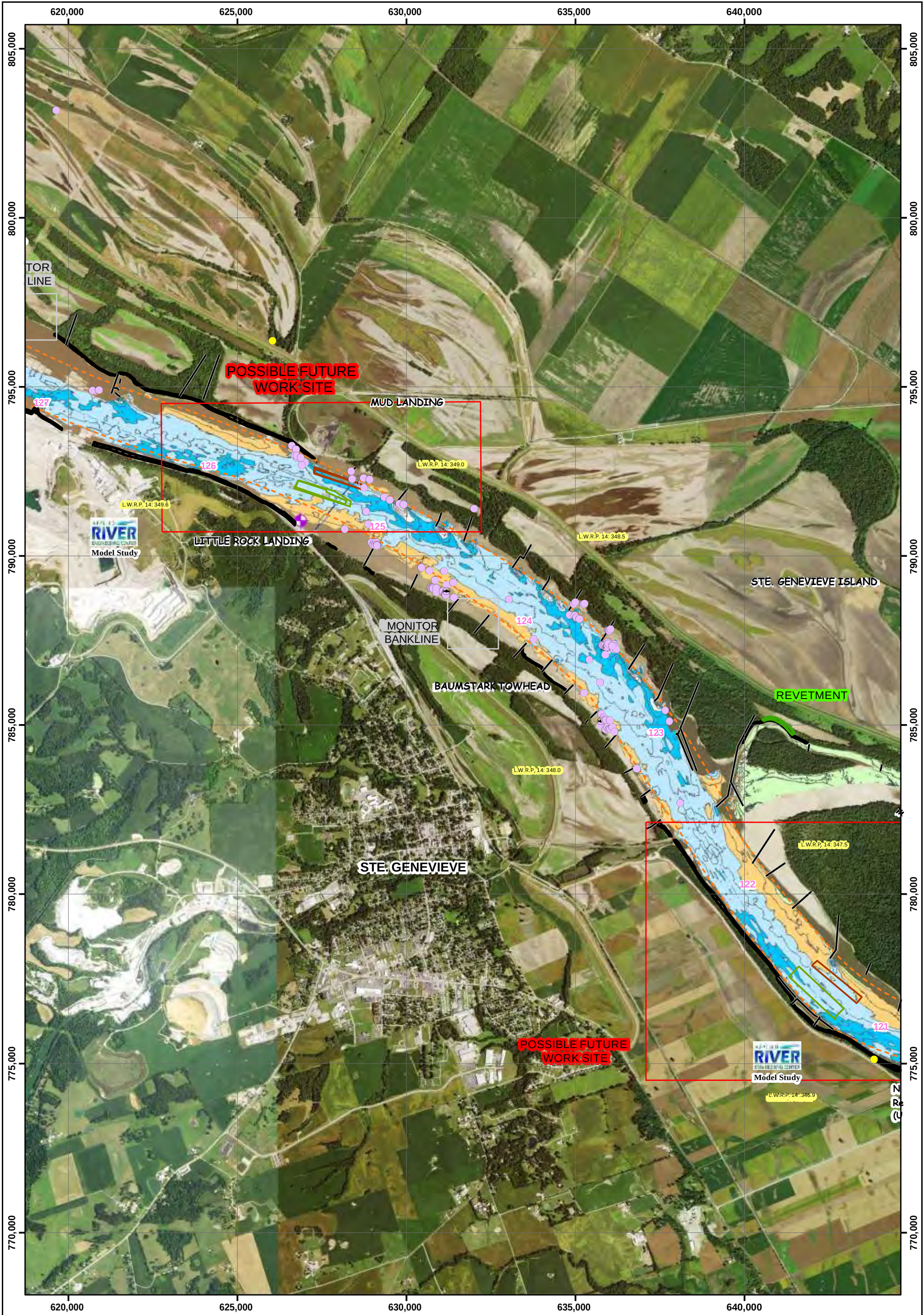


PLATE
NUMBER

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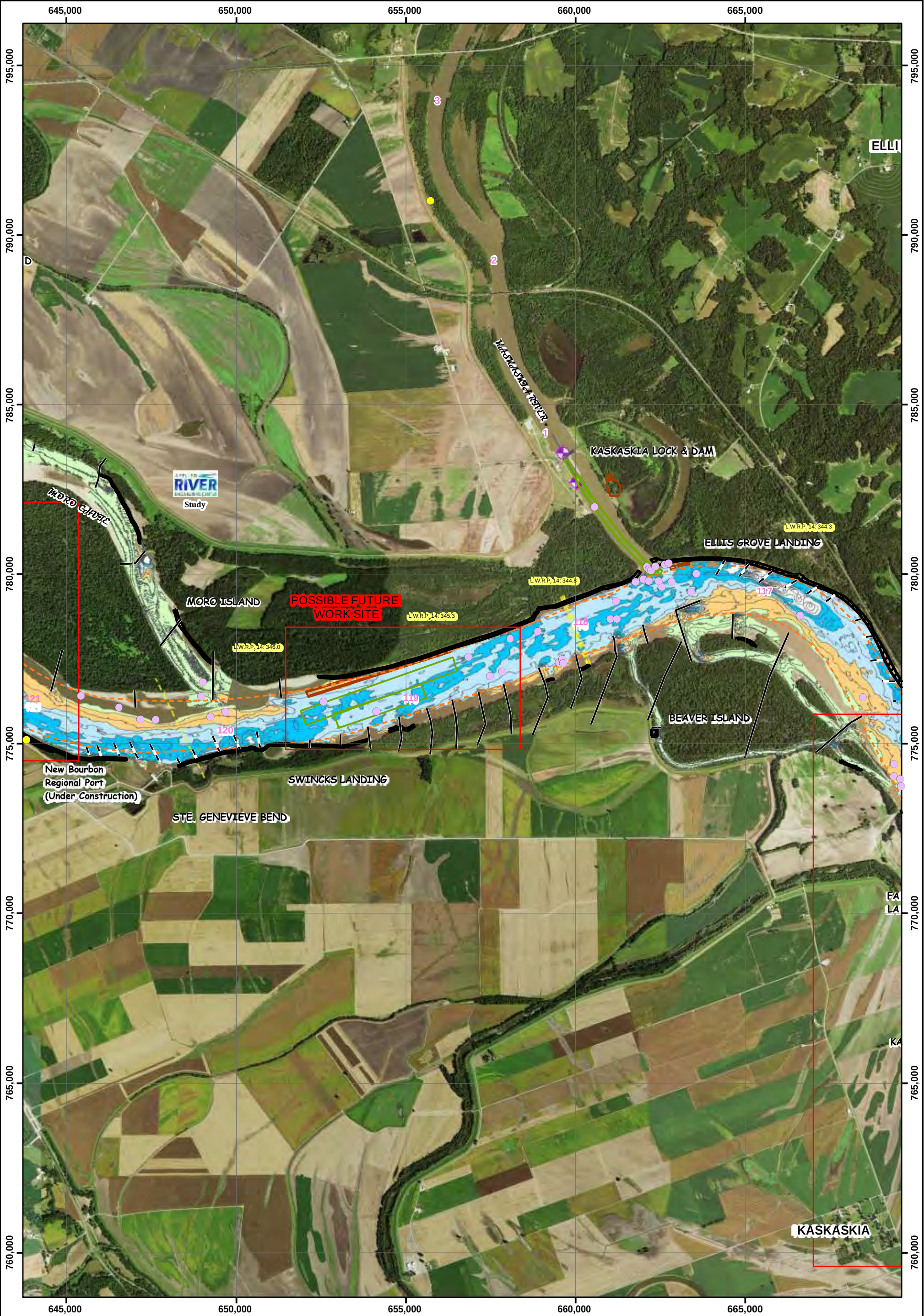


PLATE
NUMBER

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UPPER MISSISSIPPI RIVER BASIN 2017 Channel Improvement Master Plan				



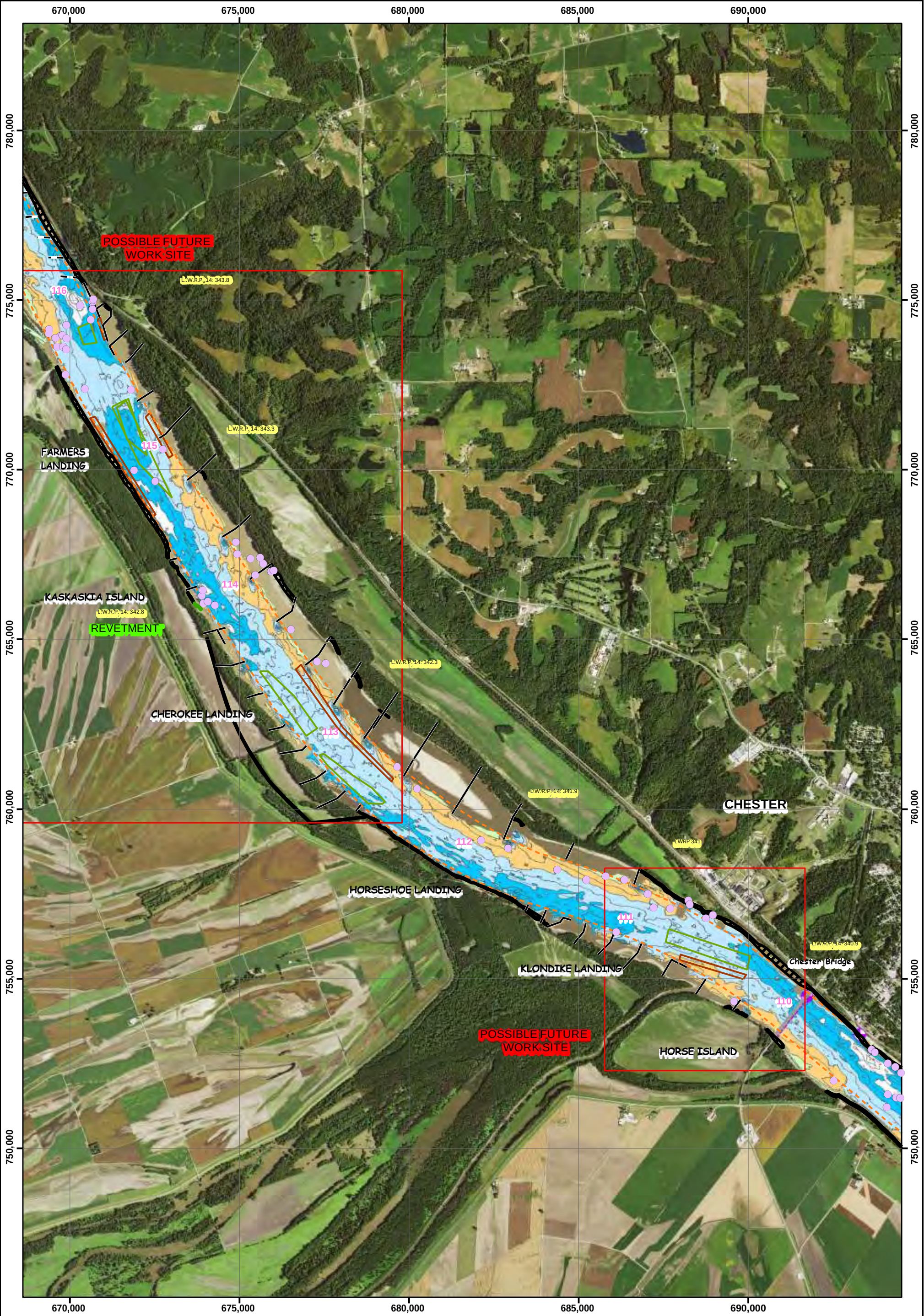


PLATE
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	APPROVED:			
		R. Davinroy, D. Gordon		





PLATE
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15

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Feet

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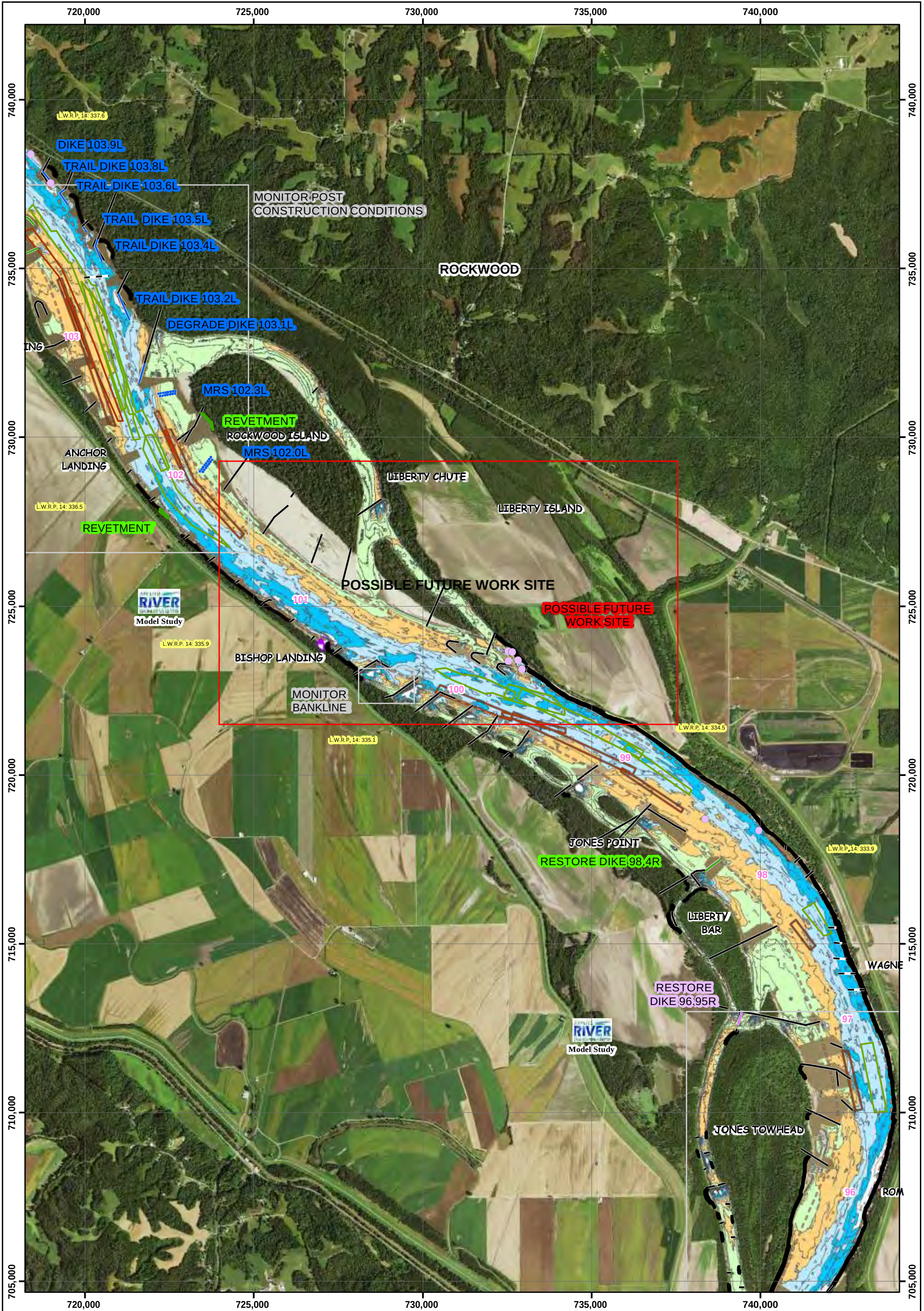


PLATE
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PLATE
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17

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CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

UPPER MISSISSIPPI RIVER BASIN
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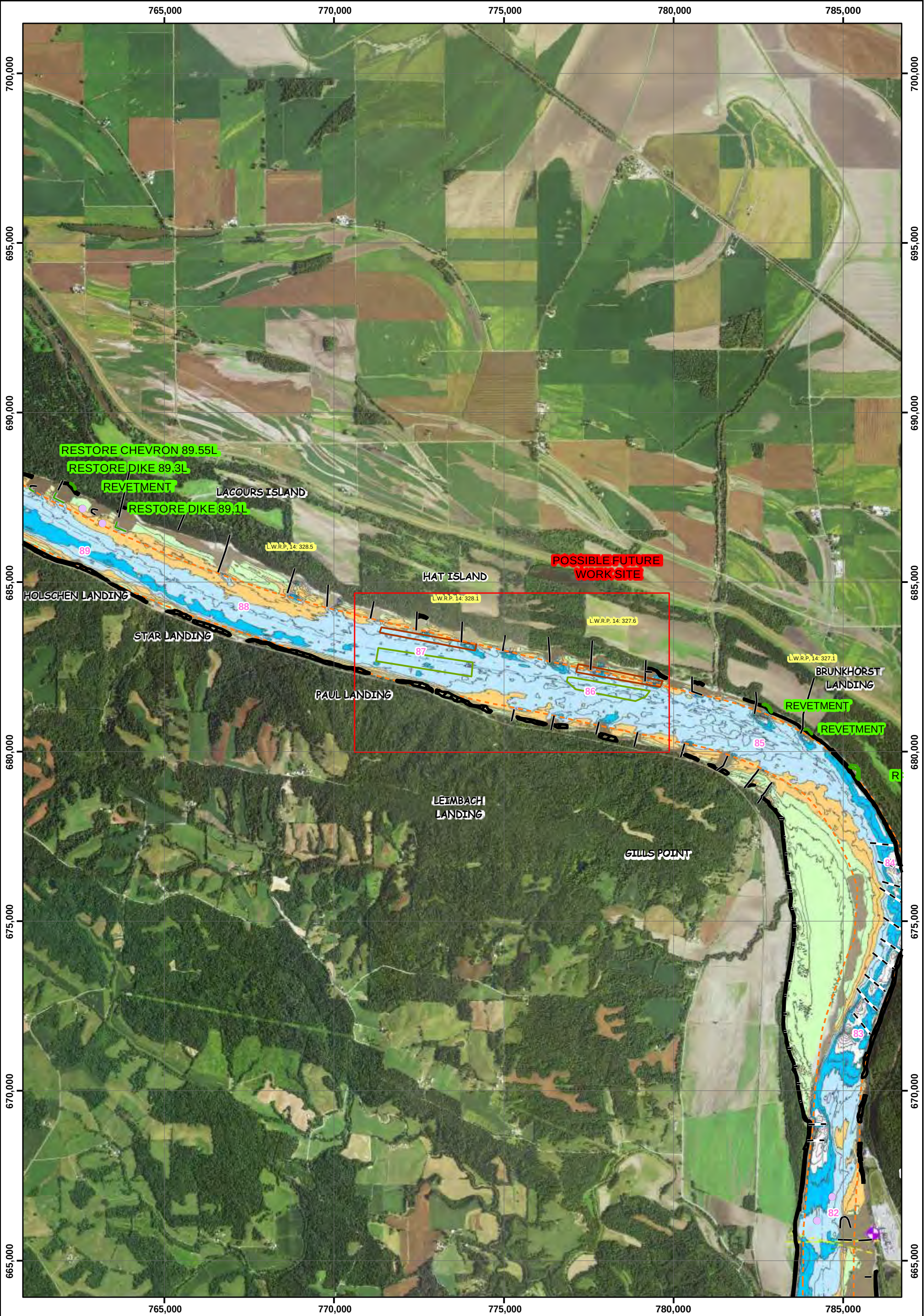


PLATE
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18

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2017 Channel Improvement Master Plan	APPROVED:		
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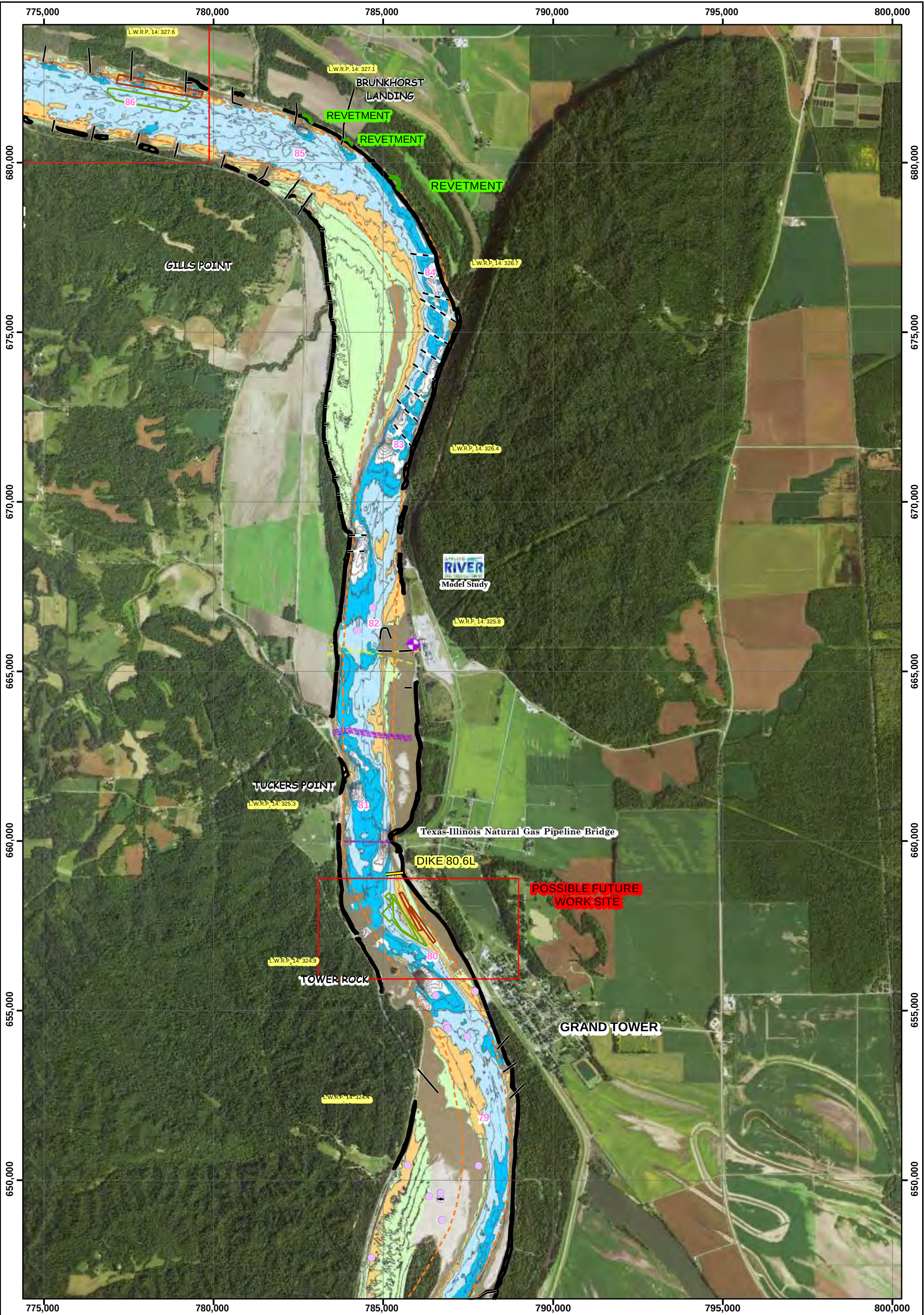
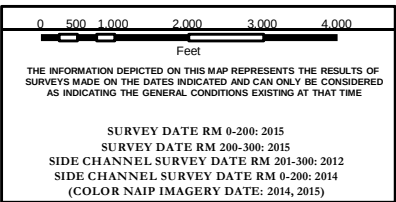


PLATE
NUMBER

19



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	APPROVED:			
		R. Devinroy, D. Gordon		





PLATE
NUMBER

20

0 500 1,000 2,000 3,000 4,000
Feet
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	APPROVED:		T:\GIS\Arcmap Documents\ Channel Improvement\2017\ 2017 CI Master Plan.mxd
	R. Davinroy, D. Gordon		



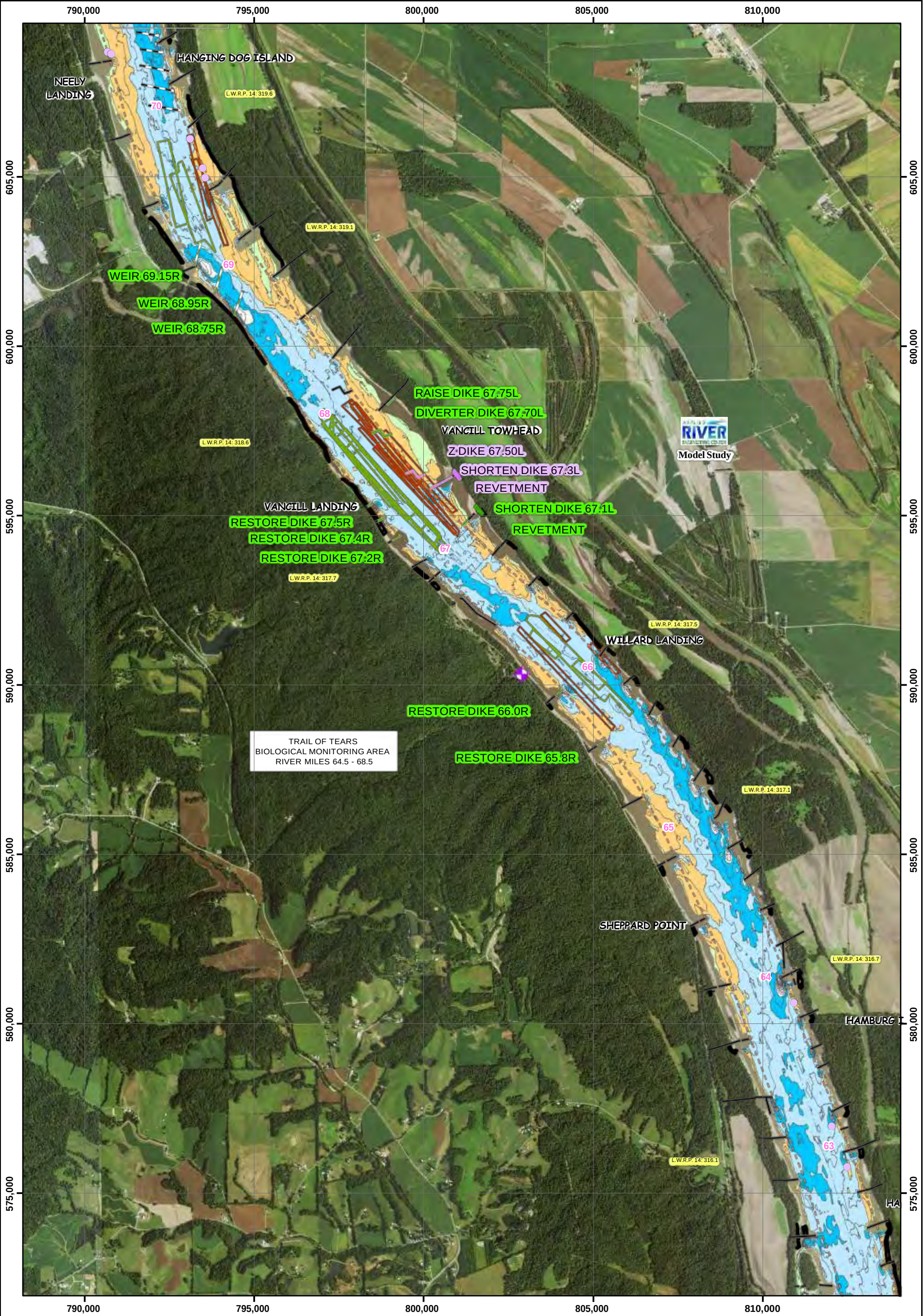


PLATE
NUMBER

21

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Feet

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

SURVEY DATE RM 0-200: 2015
SURVEY DATE RM 200-300: 2015
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(COLOR NAIP IMAGERY DATE: 2014, 2015)

U.S. ARMY ENGINEER DIVISION CORPS OF ENGINEERS ST. LOUIS, MISSOURI	SURVEYED BY:		SURVEY DATE:	
	COMPILED BY:	CHECKED BY:	SUBMITTED:	
	EC-SD	D. Lamm,	Feb 01, 2017	
	DESIGNED BY:		FILE NAME:	
UPPER MISSISSIPPI RIVER BASIN 2017 Channel Improvement Master Plan	EC-HD & EC-HR		T:\GIS\Arcmap Documents\ Channel Improvement\2017\ 2017 CI Master Plan.mxd	
	APPROVED:			
	R. Davinroy, D. Gordon			



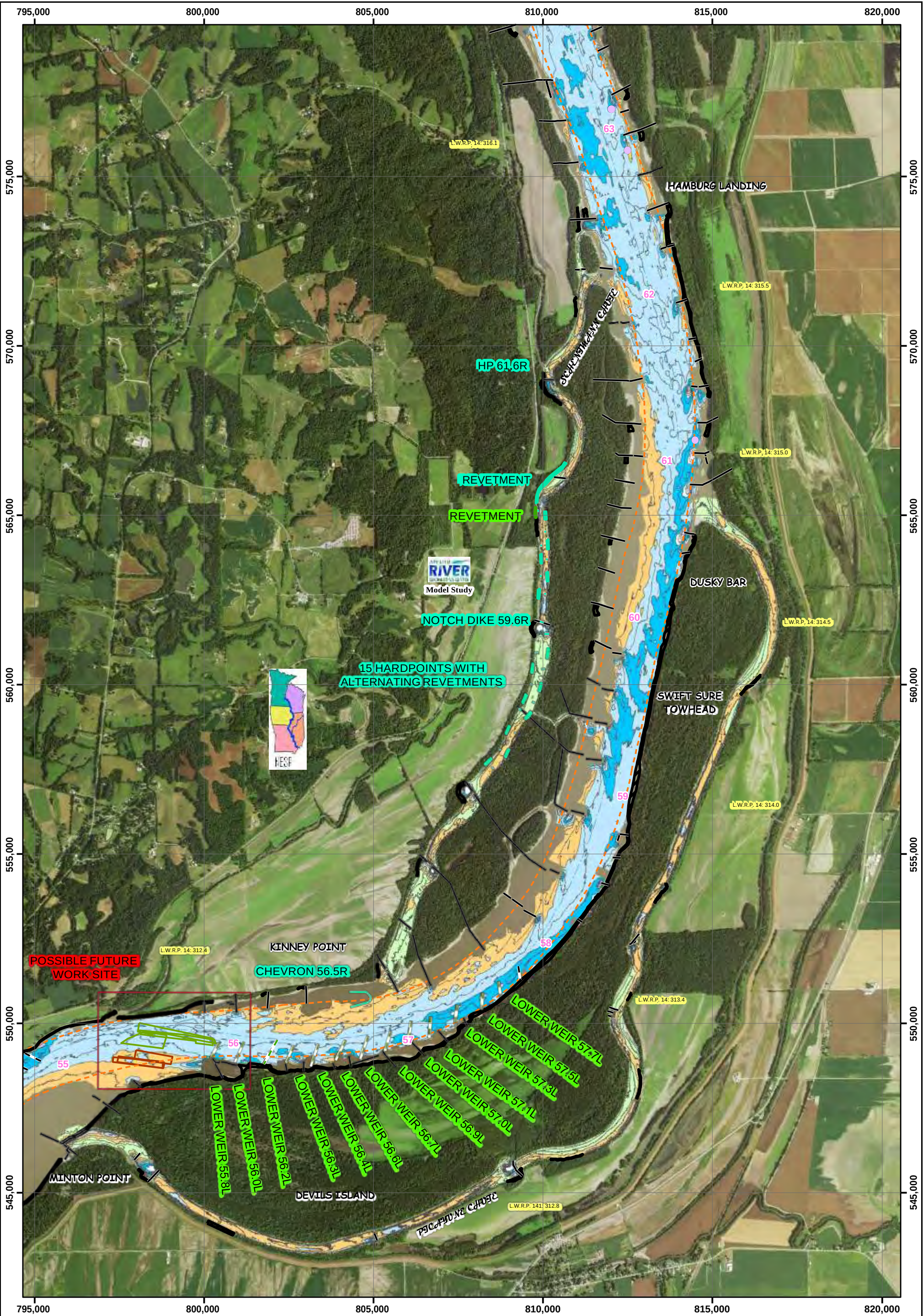


PLATE
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22

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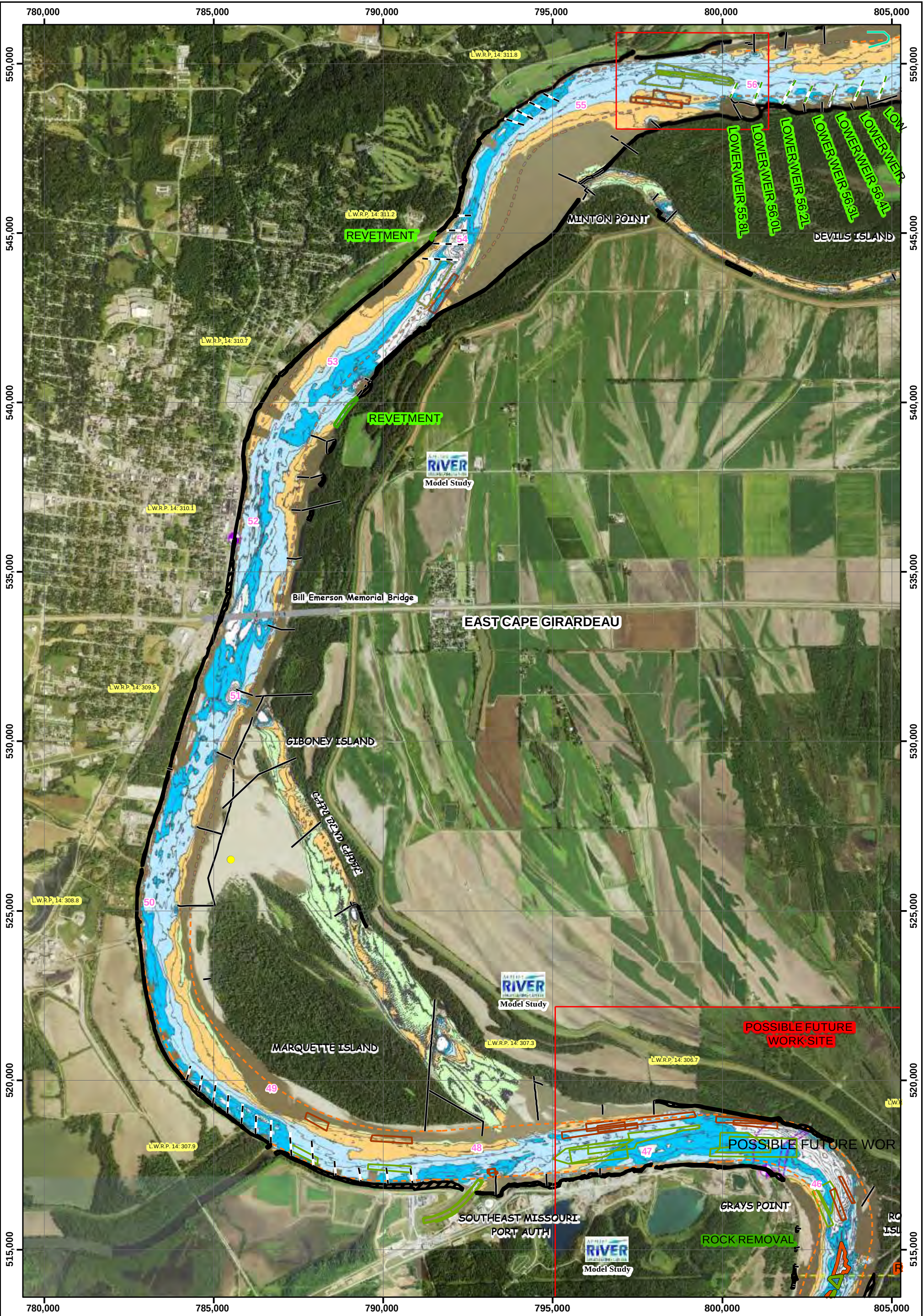


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UPPER MISSISSIPPI RIVER BASIN 2017 Channel Improvement Master Plan			



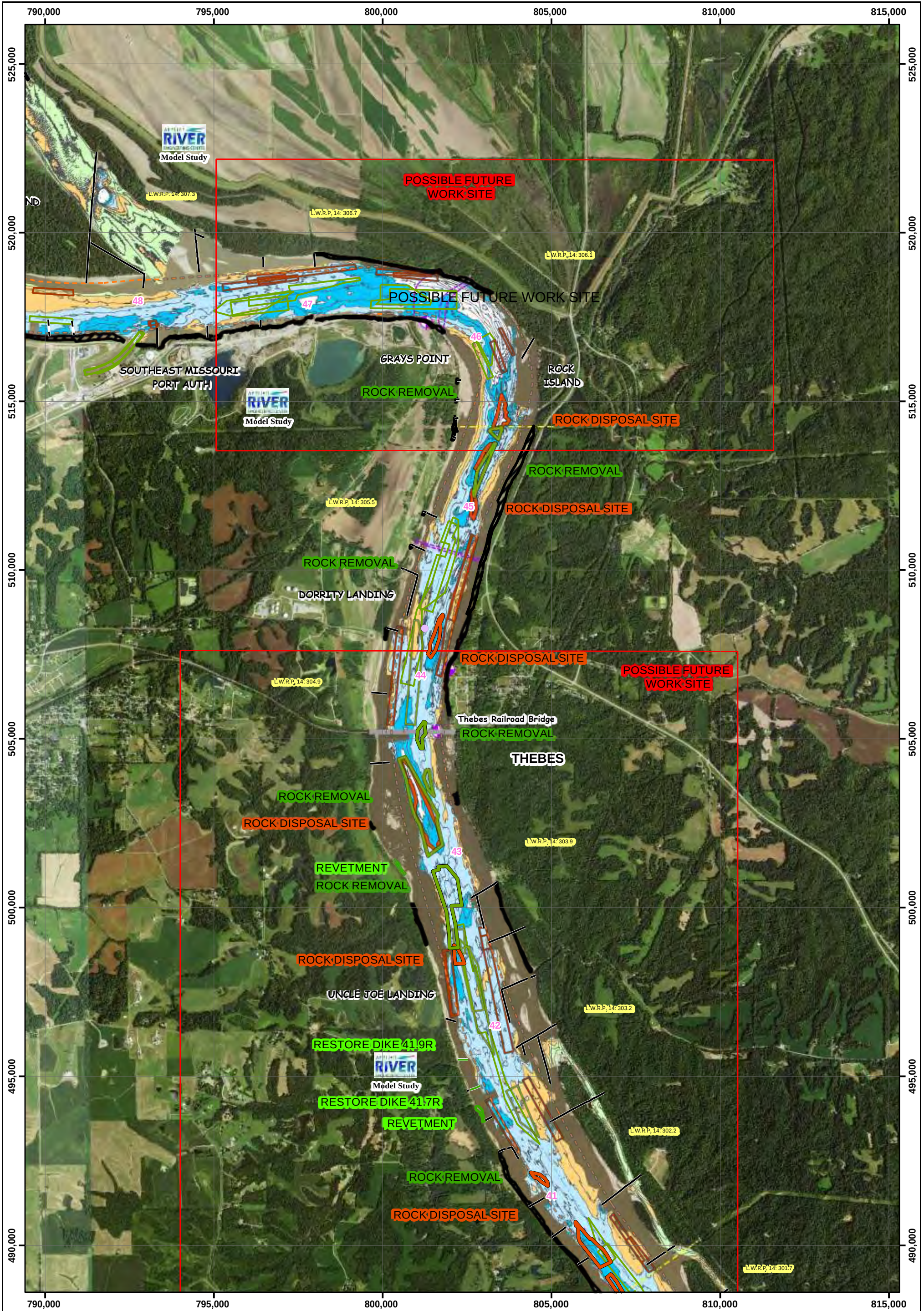


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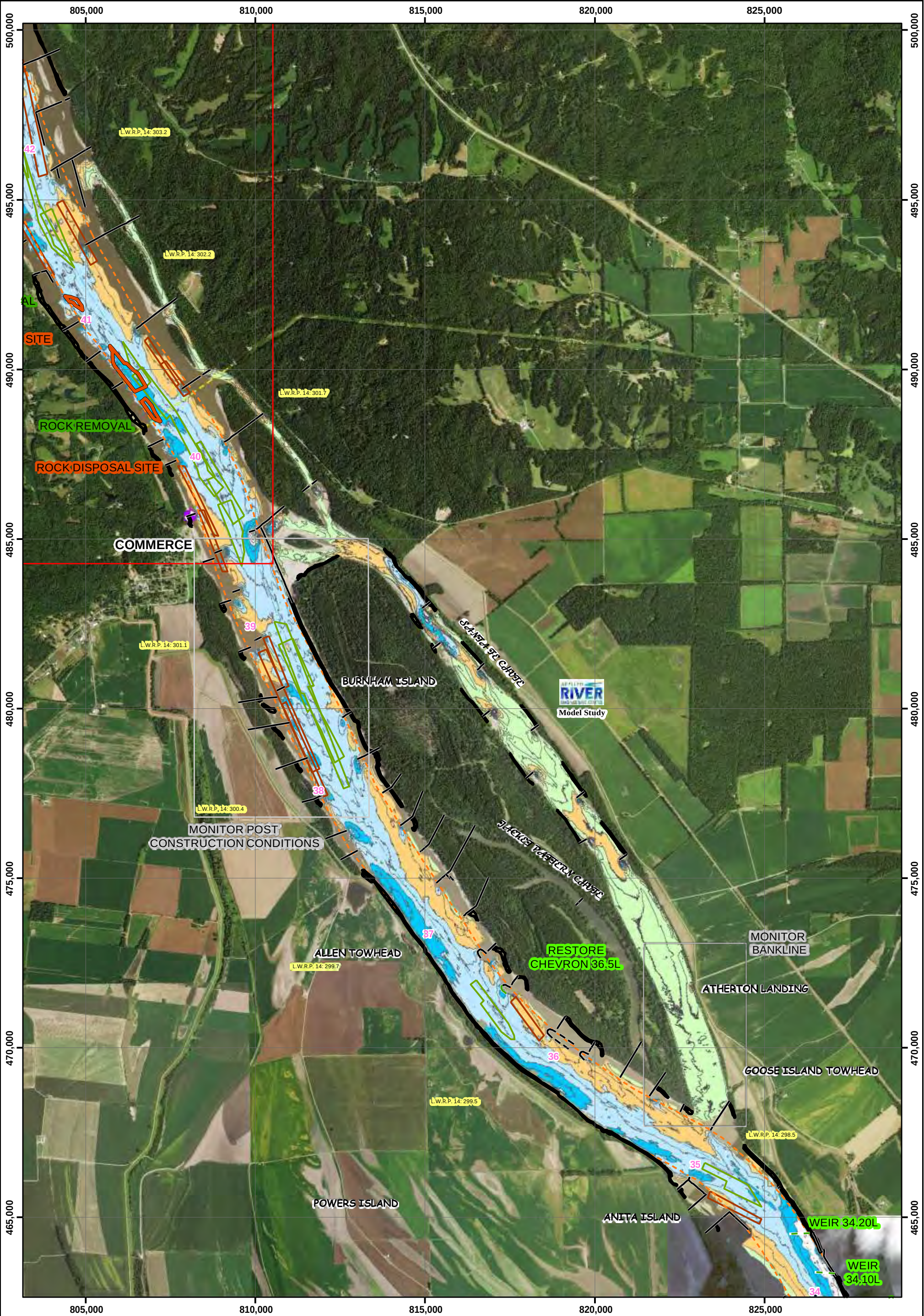


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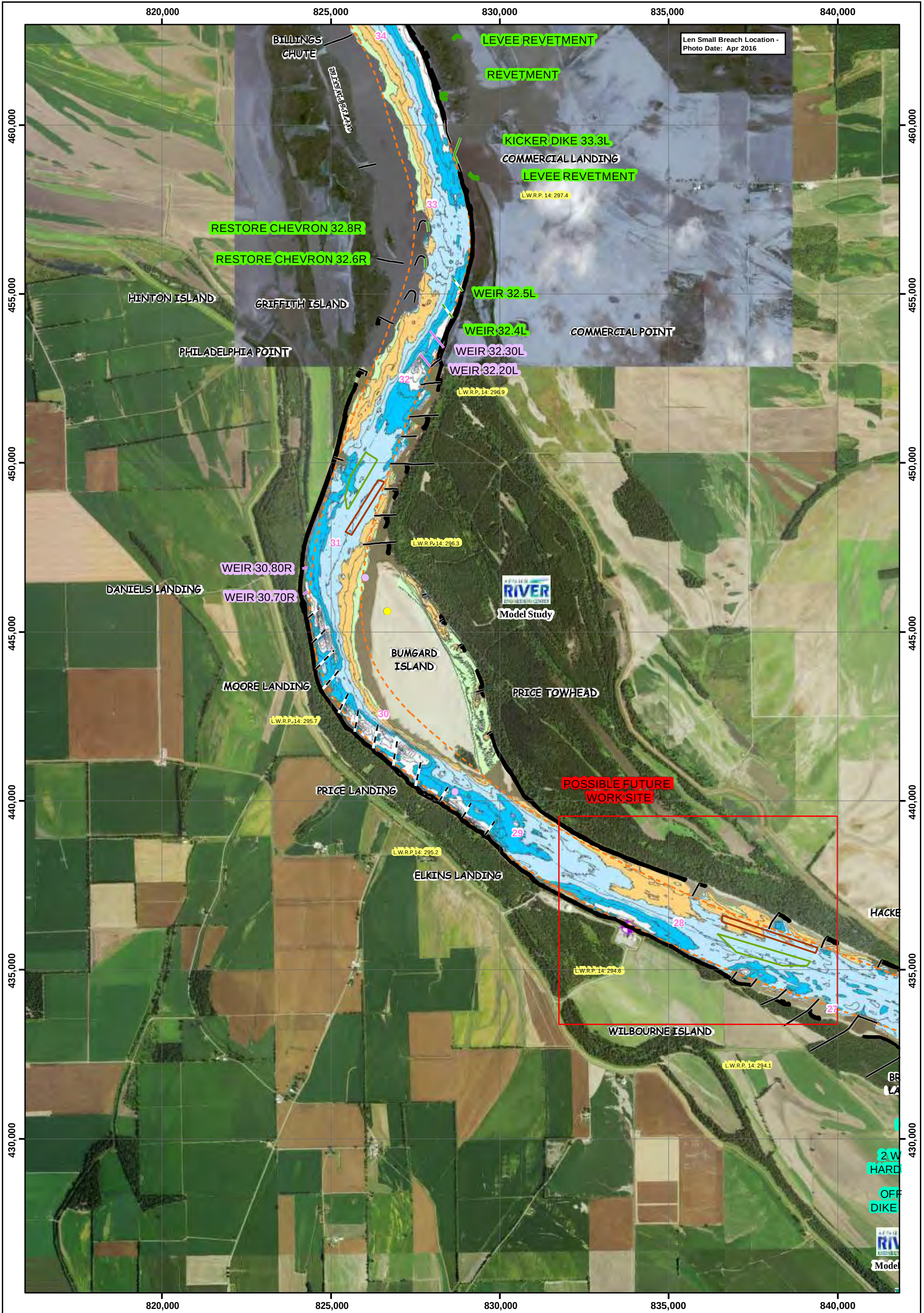


PLATE
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26

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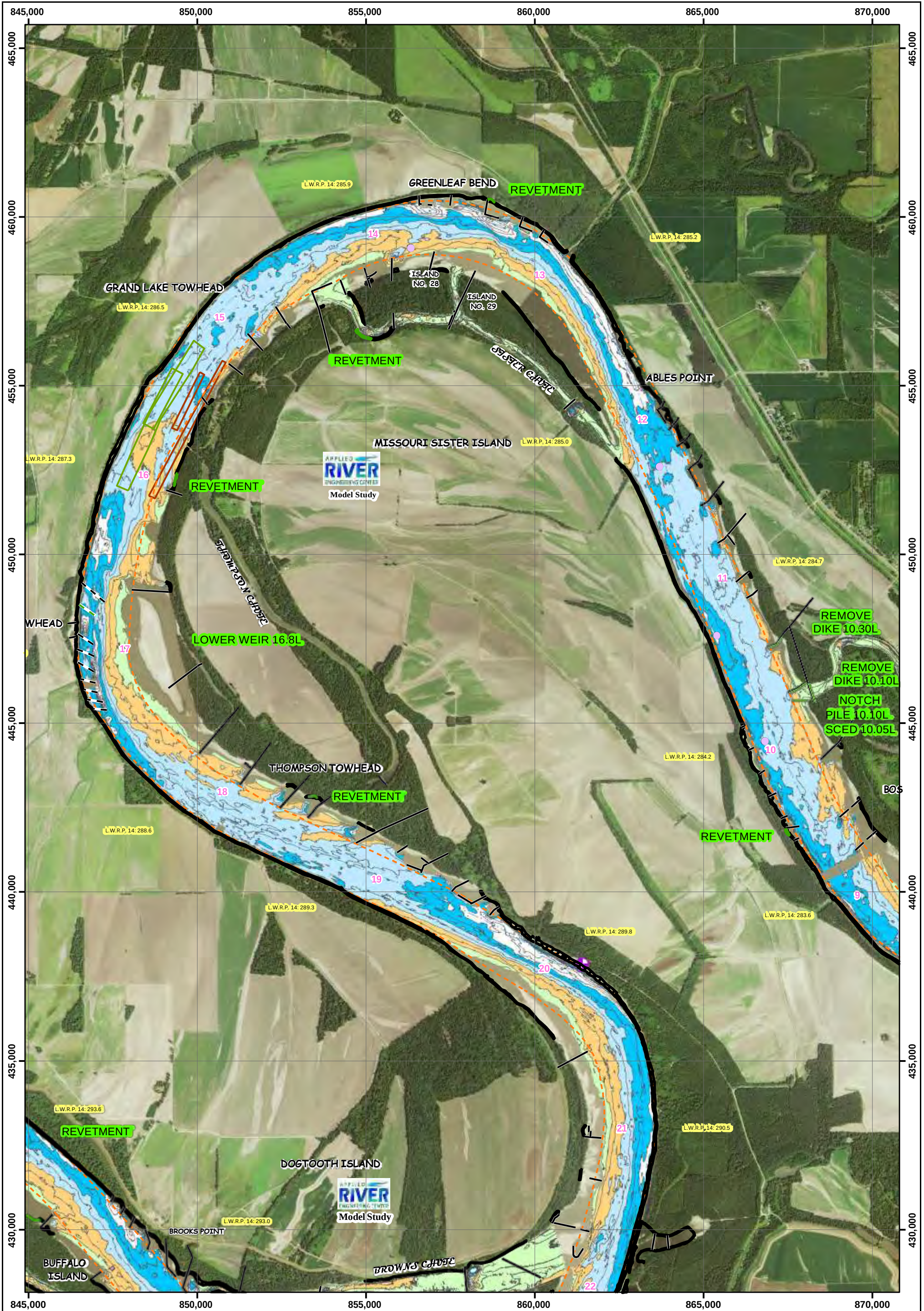


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U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

UPPER MISSISSIPPI RIVER BASIN
2017 Channel Improvement
Master Plan

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APPROVED:			
R. Davinroy, D. Gordon			



APPLIED
RIVER
ENGINEERING CENTER


**US Army Corps
of Engineers**
St. Louis District
Center of Expertise for
Photogrammetric Mapping



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29

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	D. Lamm,			





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30

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