US Army Corps of Engineers®
Memphis District

River Engineering
CORPS OF ENGINEERS MEMPHIS

2021 Memphis Channel Improvement Masterplan

Mississippi River

Environmental Version

Cairo, Illinois, to the mouth of the White River

PREFACE

The Memphis District Army Corps of Engineers is responsible for maintaining a safe and dependable navigation channel for 355 miles of the Mississippi River from Cairo, Illinois (River Mile 954) to the mouth of the White River near Rosedale, Mississippi (River Mile 599). The Memphis District River Engineering Team is responsible for the planning, design, and construction of revetments, dikes, construction dredging, and other structures within the District's boundaries.

This Memphis District Channel Improvement Masterplan – Environmental Version is a publication of the existing structures on the Mississippi River and environmental features within the Memphis District boundaries. The channel improvement program consists of stabilizing the banks of the Mississippi River to a desirable alignment and obtaining the most efficient flow characteristics for flood control and navigation by means of revetments, dikes, and dredging. Revetment is placed against the banks of the river at locations where mainline levees are being threatened or where unsatisfactory alignment and channel conditions are developing. In wide reaches of the river, dikes are used to contract the channel width so as to produce a single efficient channel for navigation and to ensure the flood carrying capacity of the river. Improvement dredging is employed to assist the river in removing natural obstructions and to assist in developing an efficient channel. The channel improvement program also includes strategies and actions as Standard Operating Procedures and Best Management Practices to conserve the endangered species associated with the lower Mississippi River channel, as authorized and required under section 7(a)(1) of the Endangered Species Act.

This masterplan includes environmental features (e.g., dike notches, roundpoints, etc.) and other data (e.g., bathymetry, interior least tern nesting locations, etc.) within the Memphis District boundaries intended to assist USACE, other federal and state agencies and their potential partners in planning and implementing actions to maintain and improve LMR channel habitat values for listed species and other native species consistent with the framework described in the Conservation Plan for the Interior Least Tern, Pallid Sturgeon, and Fat Pocketbook Mussel in the Lower Mississippi River, Endangered Species Act, Section 7(a)(1), citation below.

Killgore, K. J., P. Hartfield, T. Slack, R. Fischer, D. Biedenharn, B. Kleiss, J. Hoover, and A. Harrison. 2014. *Conservation Plan for the Interior Least Tern, Pallid Sturgeon, and Fat Pocketbook Mussel in the Lower Mississippi River (Endangered Species Act, Section 7(a)(1))*. MRG&P Report No. 4. Vicksburg, MS: U.S. Army Engineer Research and Development Center.

Hydrographic survey information displayed in this document was obtained from July 2020 to January 2021. Aerial photography displayed was collected in 2020. This publication is the culmination of a concerted effort by dedicated personnel of the Memphis District who collected, compiled, analyzed, verified, and assembled the data. The contents of this publication are for official government use only and are not to be used for advertising, publication, promotional purposes, or reproduced without official consent from the Memphis District Army Corps of Engineers.

The River Engineering and Environmental Teams contributed to the publication of this report.

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EXISTING DIKES, BENDWAY WEIRS
CHEVRONS AND HARDPOINTS

Mile	Dike Field Location	Type	Map No.
948L	Island 1 KY	Stone	1
944R	Pritchard MO	Stone & Pile	1-2
942L	Campbell KY	Stone	2
935L	Wolf Island MO	Stone	2
932R CH	Wolf Island Hardpoints MO	Stone	3
929R	Moore Island KY-MO	Stone	3
926L	Below Williams KY	Stone	3
917R	Island 7-8 KY-MO	Stone	4-5
905R	Donaldson Point MO	Stone	5-6
901L	Below Island 9 TN	Stone	6
896L	Slough Landing KY	Stone	6
895R	Hotchkiss Bend MO	Stone	6
890R	Morrison Towhead MO	Stone	6-7
887R	New Madrid Bend MO	Stone	7
887L	Kentucky Point KY	Stone	7
882R	Island 11 MO	Stone	7
874R	Ruddles Point MO	Stone & Pile	8
871R	Stewart Towhead MO	Stone & Pile	8
866L	Below Cherokee TN	Stone	9
860L	Above Lee Towhead TN	Stone	9
855R	Robinson Bayou MO	Stone	9-10
854L	Hathaway TN	Stone & Pile	9-10
851L	Island 15 TN	Stone	10
850R	Sandy Hook TN	Stone	10
846L	Opposite Caruthersville TN	Stone	10
846R	Caruthersville - Linwood Bend MO	Stone	10-11
842L	Blaker Towhead TN	Stone	10-11
841L	Tennemo TN	Stone	10-11
837L	Island 18 TN	Stone	11
831R	Island 20 MO-TN	Stone & Pile	11-12
828L	Head of Island 21 TN	Stone & Pile	12
824L	Island 21 Chute TN	Stone	12
820R	Wrights Point AR	Stone & Pile	13
813L	Below Tamm Bend TN	Stone	13
811R	Barfield Bendway Weirs AR	Stone	13-14
808L	Nebraska Point TN	Stone	14
804R	Island 25 AR	Stone	13
803L	Bend of Island 25 Bendway Weirs TN	Stone	13
798L	Forked Deer TN	Stone	15
795R	Ashport-Golddust AR-TN	Stone & Pile	15-16
793R	Lake Neark AR	Stone	16
791R	Kate Aubrey TN	Stone & Pile	16-17
790L	Keyes Point TN	Stone	16-17
784L	Island 30 TN	Stone	17
784R	Plum Point TN	Stone	17
781R	Lower Bullerton AR	Stone	17
780L	Driver Bar Bendway Weirs TN	Stone	17
774R	Below Sunrise Towhead AR	Stone	18
773L	Hatchie Towhead TN	Stone	18
771R	Lookout TN-AR	Stone & Pile	18
771L	Randolph TN	Stone	18
767L	Below Richardson Ldg TN	Stone	18-19
766R	Reverie Bendway Weirs TN	Stone	19
759L	Cedar Point TN	Stone	20
757L	Densford TN	Stone & Pile	20
754R	Corona Bar TN-AR	Stone	20
751L	Shelby Forest TN	Stone	20-21
748R	Poker Point AR	Stone & Pile	20-21
747L	Randolph Point TN	Stone & Pile	21
743R	Redman Point AR	Stone & Pile	21-22
742L	Above Loosahatchie TN	Stone	21-22
741R	Sycamore Chute AR	Stone	22
739R	Robinson Crusoe TN	Stone & Pile	22
738R	Loosahatchie Bar TN	Stone	22
736R	Hopefield Point AR	Stone	22
735L	Memphis Front TN	Stone	22
734R	Engineers Bar AR	Stone	22
724R	Dismal Point AR	Stone & Pile	23
720L	Below Ensley TN	Stone	24
720R	Armstrong AR-TN	Stone & Pile	24
718L	Coahoma TN	Stone	24
715R	Cow Island Bendway Weirs AR	Stone	24
712L	Island 47 Hardpoints MS	Stone	24
711R	Cat Island AR	Stone & Pile	24-25
708L	Norfolk Star MS	Stone	25
705R	Seyppel AR	Stone & Pile	25
704L	Pickett MS	Stone & Pile	25
701R	Porter Lake AR	Stone	25-26
700L	Buck Island MS	Stone	26
696R	Basket Bar MS	Stone & Pile	26-27

Mile	Dike Field Location	Type	Map No.
694L	Commerce, MS	Stone	26-27
693R	Peters AR	Stone	27
681R	Bordeaux Pt. MS	Stone	27-28
681R	Walnut Bend AR	Stone	27-28
677L	Shoofly Bar MS	Stone	28
676R	Below Walnut Bend AR	Stone	28
671L	St. Francis Towhead MS	Stone	28-29
668L	Flower Lake MS	Stone	29
668R	Prairie Pt. AR	Stone & Pile	29
658L	Montezuma Bar MS	Stone	30
656R	Montezuma Towhead AR	Stone	30
653L	Friars Pt. Chevrons MS	Stone	30
652L	Friars Pt. MS	Stone & Pile	30
652R	Westover Bendway Weirs AR	Stone	30
648R	Kangaroo Pt. AR	Stone	31
645R	Oldtown Hardpoints AR	Stone	31
640L	Island 63 MS	Stone & Pile	31
639L	Island 63 Bar MS	Stone	31
639L	Island 62 AR	Stone & Pile	31
630R	Island 64 AR	Stone & Pile	32
630L	Rescue Ldg MS	Stone	32
627L	Sunflower AR	Stone	32-33
625L	Island 67 Hardpoints MS	Stone	32-33
623R	Below Ludlow AR	Stone	33
621L	Island 67 MS	Stone	33
616R	Below Knowlton AR	Stone	33-34
603R	Henrico AR	Stone	35
599R	Big Island Bendway Weirs AR	Stone	35

NOTE: Island 70 Dikes and Chevrons, Smith Point Dikes and Victoria Bend Dikes and Bendway Weirs shown on maps 34 and 35 are in the Vicksburg District.

607L	Island 70 AR	Stone	34-35
600L	Smith Point MS	Stone	35
596R	Victoria Bend AR	Stone	35

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EXISTING REVETMENTS

Miles	Revetment	Map No.
Ohio River		
975.7 - 979.7 R and	Cache-Cairo IL	1(OH)
980.5 - 981.1 R		
Mississippi River		
Above Head of Passes		
954.1 - 951.2 L	Wycliffe KY	1(OH)-1
950.6 - 949.0 L	Mayfield Creek KY	1(OH)-1
948.7 - 945.8 R	Pritchard MO	1
943.8 - 942.5 L	Campbell KY	2
942.5 - 939.0 R	Island 3 & 4 KY	2
938.8 - 937.5 R	Belmont MO	2
937.3 - 936.0 L	Columbus KY	2
935.5 - 930.8 R	Wolf Island KY	2-3
928.4 - 926.5 L	Williams KY	3
926.3 - 922.7 R	Beckwith Bend MO	3
922.3 - 921.6 L	Hickman Bar, KY	4
922.3 - 915.2 L	Hickman - Reelfoot KY	4-5
916.1 - 910.1 R (CH)	Bend of Island 8, KY	5
915.0 - 911.6 R	Island 8 KY	5
913.0 - 910.9 L	Chute of Island 8 KY	5
910.1 - 907.4 R	Milton Bell MO	5-6
907.8 - 901.8 L	Island 9 KY-TN	6
900.6 - 899.2 R	Winchester Towhead MO	6
900.1 - 893.8 L	Slough Landing Neck KY-TN	6
893.1 - 889.6 R	La Forge MO	6-7
888.6 - 886.1 R	New Madrid Bar KY	7
887.7 - 885.9 L	Kentucky Point KY	7
889.2 - 888.2 R	New Madrid Front MO	7
887.6 - 882.9 R	New Madrid Bend MO	7
882.9 - 880.6 L	Toney's Towhead KY-TN	7
881.6 - 878.1 L	Below Toneys Towhead TN	7-8
879.5 - 875.1 R	Linda MO	8
874.3 - 866.8 L	Merriwether - Cherokee TN	8-9
866.1 - 859.7 R	Little Cypress MO	9
860.3 - 859.5 L	Above Lee Towhead TN	9
859.3 - 857.6 L (CH)	Lee Towhead MO	9
857.5 - 854.7 L	Fritz Landing TN	9
853.8 - 850.2 R	Robinson Bayou MO	9-10
849.8 - 846.0 R	Gayoso - Caruthersville MO	10
846.0 - 842.5 L	Blaker Towhead TN	10-11
844.5 - 843.4 R	Bells Point MO	11
841.3 - 838.7 L	Linwood Bend TN	11
838.6 - 832.7 R	Island 18 MO	11-12
833.0 - 829.3 L	Heloise TN	11-12
828.1 - 822.8 R	Huffman - Hickman AR-TN	12-13
823.0 - 813.3 L	Obion Tamm TN	12-13
813.9 - 805.4 R	Barfield AR	13-14
804.8 - 803.7 L	Island 25 TN	13
804.2 - 800.7 L	Bend of Island 25 TN	13-15
800.0 - 797.1 R	Island 26 TN	15
796.6 - 789.0 L	Ashport - Keyes Point TN	15-16
789.9 - 784.9 R	Kate Aubrey Towhead - Island 30 TN	16-17
784.6 - 780.1 R	Lower Bullerton AR	17
780.4 - 779.1 L	Driver Bar	17
777.1 - 773.9 R	Sunrise Towhead TN	17-18
773.9 - 772.8 R	Lookout TN	18
772.0 - 771.8 R	Lookout Bar TN	18
769.0 - 768.7 L	Richardson Landing, TN	18
767.2 - 762.2 R	Chute of Island 35 TN	18-19
761.2 - 757.7 L	Cedar Point - Densford TN	19-20
756.4 - 755.2 R	Dean Island AR	20
753.3 - 751.4 L	Shelby Forest TN	20
753.2 - 749.8 R	Brandywine TN-AR	20-21
747.4 - 744.0 R and	Island 40 TN-AR	21-22
743.7 - 741.3 R		
740.2 - 739.8 R	Loosahatchie Bar TN	22
740.4 - 734.8 L	Loosahatchie - Memphis TN	22
737.1 - 736.0 R and	Hopefield Point AR-TN	22
735.6 - 734.8 R		
7.7 - 6.3 L McKellar	Tennessee Chute TN	22
733.6 - 731.3 L	Presidents Island TN	22-23
731.0 - 727.4 R	Bauxippi - Wyanoke AR	22-23
726.8 - 718.8 L	Ensley TN	23-24
718.3 - 715.8 L	Coahoma TN	24
716.9 - 715.7 R	Cow Island Bend TN (Upper)	24
716.0 - 712.3 R	Cow Island Bend AR	24
711.3 - 704.9 L	Norfolk - Star MS	24-25
708.0 - 707.0 R	Seyppel AR	25
703.5 - 701.1 L	Pickett MS-AR	25-26

Miles	Revetment	Map No.
704.2 - 697.7 R	Porter Lake AR	25-26
699.9 - 694.4 L	Commerce MS	26-27
695.2 - 689.3 R	Peters AR	27
689.3 - 682.2 L	Mhoon Bend MS	27
681.8 - 677.3 R	Walnut Bend AR	27-28
676.1 - 674.4 L	Harbert Point MS	28
674.0 - 669.5 R	St. Francis AR	28-29
668.2 - 665.6 L	Flower Lake MS	29
665.6 - 663.0 L	Trotters Landing MS	29
663.7 - 663.1 R	Helena Towhead AR	29
663.5 - 656.8 R	Helena AR	29-30
657.3 - 652.2 L	Delta - Friars Point MS	30
652.1 - 649.6 R	Westover AR	30-31
648.5 - 645.5 L	Horseshoe MS	31
645.2 - 641.3 R	Oldtown Bend AR	31
640.5 - 637.3 L	Island 63 Bar MS	31
639.3 - 637.5 L	Island 63 MS	31
639.8 - 637.5 R	Island 62 AR	31
637.5 - 634.2 L	Burke Landing MS	31-32
634.9 - 634.0 R	Fair Landing Upper AR	32
634.3 - 631.0 R	Fair Landing AR	32
630.5 - 625.6 L	Rescue Landing MS-AR	32
625.9 - 624.0 R	Ludlow AR	32-33
623.1 - 621.3 L	Island 67 MS	33
621.8 - 620.8 R	Island 68 Bar AR	33
620.5 - 617.6 R	Knowlton AR	33
616.3 - 614.5 L	Cessions Towhead AR	33
610.0 - 603.7 R	Henrico AR	34-35
600.5 - 599.9 R	Scrubgrass Bend AR	35
599.8 - 598.0 R	Big Island AR	35

NOTE: Dennis, Smith Point, Lake Concordia, and Victoria Bend Revetments shown on maps 34 and 35 are in the Vicksburg District.

614.0 - 610.0 L	Dennis MS	34
604.2 - 600.7 R	Smith Point MS	35
596.8 - 595.0 L	Lake Concordia MS	35
595.3 - 592.1 L	Victoria Bend MS	35

DIKES WITH ENVIRONMENTAL NOTCHES

RIVER MILE	DIKE FIELD NAME	YEAR NOTCH CONST.	DIKE NO.	DIKE ELEVATION LWRP	NOTCH ELEVATION LWRP	NOTCH B.W. FEET	NOTCH T.W. FEET	REMARKS	STATE
949.2L	ISLAND 1	91	1U	12,5,0	0	50	250		KY
943.8R	PRITCHARD, MO	13	2 1/2	13,5,0	0	100	250	14 RECUT	MO
943.4R	PRITCHARD, MO	-	3					PILE DIKE IN CHUTE	MO
934.6L	WOLF ISLAND BAR	95	2	18,10,25	0,2	250	300	NOTCH @ 1400'	KY
934.6L	WOLF ISLAND BAR	95	2	18,10,25	0,2	250	500	NOTCH @ 3000'	KY
928.2R	MOORE ISLAND	92	2	14,10,0	0	150	300		MO
927.2R	MOORE ISLAND	92	3	14,10	4	100	300		MO
927.1R	MOORE ISLAND	92	4	15,10,12	1,1,1	200, -, -	70	NOTCH @ 230'	MO
927.1R	MOORE ISLAND	92	4	15,10,12	1,1,1	200, -, -	300	NOTCH @ 975'	MO
927.1R	MOORE ISLAND	92	4	15,10,12	1,1,1	200, -, -	200	NOTCH @ 1630'	MO
926.1L	BELOW WILLIAMS	97	1U	22,17,12	5	100	300		KY
925.5L	BELOW WILLIAMS	92	1	17,12,10	5	100	200		KY
916.6R	ISLAND 7-8	97	2	15	0	"V"	90		MO
916.0R	ISLAND 7-8	97	3	12	0	100	225		MO
915.7R	ISLAND 7-8	97	4	12,10	0	200	300		MO
915.5R	ISLAND 7-8	91	5	VARIABLE	0	400	800		MO
907.0R	DONALDSON POINT	04	1U	20	5	100	200		MO
906.5R	DONALDSON POINT	04	1	20	10	100	300		MO
905.9R	DONALDSON POINT	04	2	20	7	100	300		MO
905.3R	DONALDSON POINT	04	3	20,17,11	5	100	200		MO
904.5R	DONALDSON POINT	98	4	10	0	100	300	NATURE MADE	MO
903.6R	DONALDSON POINT	92	4.5	15,10	9	100	300		MO
902.5R	DONALDSON POINT	04	5	15	5	100	200		MO
901.5L	BELOW ISLAND 9	99	2T	30	0	150	200		KY
901.4R	DONALDSON POINT	92	6	5,10	0	50	150		MO
900.8L	BELOW ISLAND 9	99	3T	13	0	150	200		KY
900.5R	DONALDSON POINT	97	7	10	0	200	400		MO
899.7R	DONALDSON POINT	97	8	10,0	0	200	400		MO
899.1R	DONALDSON POINT	04	9	10	0	200	300		MO
895.8L	SLOUGH LANDING	93	3	5	0	100	400		KY
895.6R	HOTCHKISS BEND	93	1	10,6	4	200	350	SANDED IN	MO
894.7R	HOTCHKISS BEND	94	2	15,10	5	400	600	NATURE MADE	MO
894.2R	HOTCHKISS BEND	93	3	10,15,20	0	50	405		MO
894.2L	SLOUGH LANDING	93	4	5	0	50	150		KY
893.7R	HOTCHKISS BEND	93	4	10,5	0	70	270		MO
893.6L	SLOUGH LANDING	93	5	5	0	50	150		KY
888.0L	KENTUCKY POINT	98	1T	18	10	200	250		KY
887.3L	KENTUCKY POINT	93	2	24	10	400			KY
886.2L	KENTUCKY POINT*	13	3	16	8	125	200	13 LMRCC CONST.	KY
886.8R	NEW MADRID BEND	88	1	10	0	300	450		MO
885.1L	KENTUCKY POINT*	13	4	14	6	50	100	13 LMRCC CONST.	KY
880.9R	ISLAND 11	88	3	18,13,5	10	350	450		MO
880.2R	ISLAND 11	91	4	15,10	5	200	300		MO
872.1R	STEWART TOWHEAD	90	1	17	5	200	400		MO
871.5R	STEWART TOWHEAD	-	2	17				NATURE MADE	MO
869.8R	STEWART TOWHEAD	99	4	9	5	100	200		MO
868.4R	STEWART TOWHEAD	99	5	9	5	100	200		MO
854.8L	HATHAWAY	84	1T				400		TN
854.8L	HATHAWAY	-	1					NATURE MADE	TN
853.8L	HATHAWAY	04	4	15			100		TN
852.2L	HATHAWAY*	12	6	18	8	40	100	12 LMRCC CONST.	TN
851.5L	ISLAND 15*	12	1	18	5	40	100	12 LMRCC CONST.	TN
850.5L	ISLAND 15*	12	2	19	6	50	105	12 LMRCC CONST.	TN
849.9L	ISLAND 15*	12	3	12	0	40	110	12 LMRCC CONST.	TN
846.6L	OPPOSITE CARUTHERSVILLE	05	1					NATURE MADE	TN
845.5R	CARUTHERSVILLE-LINWOOD*	12	1	15	5	50	90	12 LMRCC CONST.	MO
844.8R	CARUTHERSVILLE-LINWOOD*	12	2	12	5	40	90	12 LMRCC CONST.	MO
844.2R	CARUTHERSVILLE-LINWOOD*	12	3	10	0	50	100	12 LMRCC CONST.	MO
842.9R	CARUTHERSVILLE-LINWOOD*	94,12	4	13	0	50	95	12 LMRCC RECUT	MO
842.3R	CARUTHERSVILLE-LINWOOD*	94,12	5	17	4	50	100	12 LMRCC RECUT	MO
841.9L	TENNEMO	94	1	30,15	5	50	100		TN
841.6R	CARUTHERSVILLE-LINWOOD*	04,12	6	13	1	22	100	12 LMRCC RECUT	MO
841.0R	CARUTHERSVILLE-LINWOOD*	07,12	7	13	0	40	100	12 LMRCC RECUT	MO
840.4R	CARUTHERSVILLE-LINWOOD	07	8	13	7	50	80		MO
839.8R	CARUTHERSVILLE-LINWOOD	05	9	12	-1	55	110		MO

RIVER MILE	DIKE FIELD NAME	YEAR NOTCH CONST.	DIKE NO.	DIKE ELEVATION LWRP	NOTCH ELEVATION LWRP	NOTCH B.W. FEET	NOTCH T.W. FEET	REMARKS	STATE
837.8L	ISLAND 18*	12	1	9	4	50	100	12 LMRCC CONST.	TN
837.0L	ISLAND 18*	12	2	21	2	55	110	12 LMRCC CONST.	TN
835.5L	ISLAND 18*	12	3	21	3	45	105	12 LMRCC CONST.	TN
832.3R	ISLAND 20*	98,12	1U	13	7	90	150	12 LMRCC RECUT	MO
832.0R	ISLAND 20*	12	1	12	7	45	100	12 LMRCC CONST.	MO
831.6R	ISLAND 20	98	2	15	-14	30	140		MO
831.3R	ISLAND 20*	12	3	21	8	50	90	12 LMRCC CONST.	MO
830.7R	ISLAND 20*	12	4	13	5	60	100	12 LMRCC CONST.	MO
829.4R	ISLAND 20*	12	5	15	5	50	105	12 LMRCC CONST.	MO
828.8R	ISLAND 20*	12	6	16	7	80	130	12 LMRCC CONST.	MO
828.6L	HEAD OF ISLAND 21	93	4	15,5	5	50			TN
828.1L	HEAD OF ISLAND 21	94	5	25,20,0	5	50	150	SANDED IN	TN
827.3L	HEAD OF ISLAND 21	94	6	25,20,15,-3	8	100		SANDED IN	TN
826.5L	HEAD OF ISLAND 21	94	7	20,15	7	50			TN
821.5R	WRIGHTS POINT*	13	3	15	7	50	100	13 LMRCC CONST.	AR
820.4R	WRIGHTS POINT*	13	5	14	6	80	140	13 LMRCC CONST.	AR
818.5R	WRIGHTS POINT*	13	6	17	9	50	100	13 LMRCC CONST.	AR
816.7R	WRIGHTS POINT	82	7	17				NATURE MADE	AR
804.3R	ISLAND 25*	15	1	21	11	50	150	15 LMRCC CONST.	AR
803.8R	ISLAND 25*	15	2	19	11	50	150	15 LMRCC CONST.	AR
797.7L	FORKED DEER*	96	4	15,0	0,-3	100,30	400		TN
796.8R	ASHPORT-GOLDDUST	10	2U	5	-5	50	150		AR
796.5R	ASHPORT-GOLDDUST	10	1U	15	5	50	150		AR
795.3R	ASHPORT-GOLDDUST*	13	2AR	20	12	50	100	13 LMRCC CONST.	AR
794.8R	ASHPORT-GOLDDUST*	13	3AR	24	16	Unknown	--	13 LMRCC CONST.	AR
794.4R	ASHPORT-GOLDDUST*	13	4AR	22	14	50	100	13 LMRCC CONST.	AR
794.4R	ASHPORT-GOLDDUST*	13	4AR	22	14	50	110	13 LMRCC CONST.	AR
793.4R	ASHPORT-GOLDDUST*	13	5	18	13	50	100	13 LMRCC CONST.	AR
793.0R	LAKE NEARK	83	1	18	10	140	260	CLOSURE	AR
791.9L	KEYES POINT*	15	1U	24	14	50	150	15 LMRCC CONST.	TN
791.0L	KEYES POINT*	15	1	21	11	100	200	15 LMRCC CONST.	TN
790.5L	KEYES POINT*	15	2	23	15	100	250	15 LMRCC CONST.	TN
789.9L	KEYES POINT*	15	3	22	14	100	250	15 LMRCC CONST.	TN
788.2L	KEYES POINT	94	4.5	25,15,3	13	100			TN
788.2L	KEYES POINT	09	4.5	25,15,3	12	50	100		TN
786.9L	KEYES POINT	99	6	20,15,10	10	100			TN
785.4L	PLUM POINT	02,13	1U	18,15	-15	100	550	13 RECUT	TN
784.5L	PLUM POINT*	12,15	1	16,10	5	50	150	15 LMRCC RECUT	TN
784.5L	PLUM POINT*	15	1	20	10	50	150	15 LMRCC CONST.	TN
783.8L	PLUM POINT*	15	2	24	14	50	150	15 LMRCC CONST.	TN
781.0R	LOWER BULLERTON	07	2	10	0	50	130		AR
781.0L	PLUM POINT	08	3	18	10	100	200		TN
780.9L	PLUM POINT	08	3T	20	0	150	200		AR
780.9L	PLUM POINT	08	3T	20	0	75	125		AR
780.8L	PLUM POINT	08	4	18	10	100	200		AR
780.5R	LOWER BULLERTON	07	3	12	0	50	130		AR
780.2R	LOWER BULLERTON	08	4	12	0	200	300		AR
774.1L	HATCHIE TOWHEAD	03	1	5	0	100	150		TN
773.7L	HATCHIE TOWHEAD	03	2	3	0	100	150		TN
773.3L	HATCHIE TOWHEAD	-	3						TN
772.7R	LOOKOUT	06	2U	15	0	100	200		TN
772.3R	LOOKOUT	06	1U	15	0	100	300		AR
771.8L	RANDOLPH	05	1TB	25	0				TN
771.7R	LOOKOUT	06	1	25,24	0,13.5	500	600		AR
770.9R	LOOKOUT	92	2.5	15,5	10	"V"	300		AR
770.9R	LOOKOUT	06	2.5	18,10	8	150	250		AR
770.5L	RANDOLPH	05	3TB	10	5	"V"	50		TN
770.3L	RANDOLPH	10,14	4TB	20	0	100	300	14 RECUT	TN
770.1L	RANDOLPH	10,14	5TB	20	0	100	300	14 RECUT	TN
769.6R	LOOKOUT	92	4	10,15	5	380	720		AR
767.2L	BELOW RICHARDSON LANDING*	15	1	18	6	50	150	15 LMRCC CONST.	TN
766.5L	BELOW RICHARDSON LANDING*	15	2	20	10	50	150	15 LMRCC CONST.	TN
754.8R	CORONA BAR*	15	1U	19	9	50	100	15 LMRCC CONST.	AR

RIVER MILE	DIKE FIELD NAME	YEAR NOTCH CONST.	DIKE NO.	DIKE ELEVATION LWRP	NOTCH ELEVATION LWRP	NOTCH B.W. FEET	NOTCH T.W. FEET	REMARKS	STATE
754.3R	CORONA BAR*	03,15	1	20	0	50	160	15 LMRCC RECUT	AR
753.7R	CORONA BAR	03	2	18	10	40	120		AR
748.0R	POKER POINT*	15	3	18	8	50	150	15 LMRCC CONST.	AR
747.8L	RANDOLPH POINT*	16	3U	15	5	50	150	16 LMRCC CONST.	TN
747.4L	RANDOLPH POINT*	16	4U	15	5	50	150	16 LMRCC CONST.	TN
746.4L	RANDOLPH POINT*	16	1	15	5	50	150	16 LMRCC CONST.	TN
745.7L	RANDOLPH POINT*	16	3	15	5	75	150	16 LMRCC CONST.	TN
743.6L	ABOVE LOOSAHATCHIE	92	1	15,23	0	150	520		TN
743.0L	ABOVE LOOSAHATCHIE	92	2	15,10,23	0	230	640		TN
743.0R	REDMAN POINT*	08	3AR	16	6	95	160	08 LMRCC CONST.	AR
743.0R	REDMAN POINT*	99	4AR	16	6	95	250		AR
742.0R	ISLAND 40	96	S.F.	25	5	150	250	STONE FILL REVETMENT	AR
740.8R	SYCAMORE CHUTE*	08	2	18	8	45	190	08 LMRCC CONST.	TN
740.1R	SYCAMORE CHUTE	96	4	10	0	200	300		TN
740.0R	ROBINSON CRUSOE*	08	1	18	8	120	200	08 LMRCC CONST.	TN
740.0R	ROBINSON CRUSOE*	08	1	18	9	60	170	08 LMRCC CONST.	TN
740.0R	ROBINSON CRUSOE*	08	1	18	11	55	145	08 LMRCC CONST.	TN
738.1R	ROBINSON CRUSOE	00	4	10	4	25	65		TN
737.8R	ROBINSON CRUSOE*	08,12	5	21	6	50	150	12 RECUT	TN
737.4R	ROBINSON CRUSOE	07	6	18	3	50	150		TN
737.4R	ROBINSON CRUSOE*	08	6	18	7	65	155	08 LMRCC CONST.	TN
736.9R	HOPEFIELD POINT	92,07	2U	12,-3	0	50	150		AR
736.4R	HOPEFIELD POINT	92,07	1U	10,5	0	50	150		AR
726.5R	DISMAL POINT	98	2U	15,5	0	100			AR
725.6R	DISMAL POINT*	16	1U			50	150	16 LMRCC CONST.	AR
724.5R	DISMAL POINT*	16	2			50	150	16 LMRCC CONST.	AR
723.8R	DISMAL POINT	03	3				300	NATURE MADE	AR
722.8R	DISMAL POINT	03	4				300	NATURE MADE	AR
722.1R	DISMAL POINT*	17	5	18	5	50	150	17 LMRCC CONST.	AR
720.0R	ARMSTRONG*	16	1	15	5	50	150	16 LMRCC CONST.	AR
718.5R	ARMSTRONG*	16	3	15	5	50	150	16 LMRCC CONST.	AR
717.3R	ARMSTRONG*	17	4	15	10	50	100	17 LMRCC CONST.	AR
717.0R	ARMSTRONG*	17	5	15	10	50	150	17 LMRCC CONST.	AR
710.5R	CAT ISLAND*	17	4	15	5	75	150	17 LMRCC CONST.	AR
709.8R	CAT ISLAND	03	5					NATURE MADE	AR
708.9R	CAT ISLAND	03	6					NATURE MADE	AR
706.4R	SEYPPEL*	17	1	15	5	50	125	17 LMRCC CONST.	AR
705.9R	SEYPPEL*	17	2	15	5	50	125	17 LMRCC CONST.	AR
705.4R	SEYPPEL*	17	3	15	5	50	125	17 LMRCC CONST.	AR
704.8R	SEYPPEL*	17	4	15	7	250	300	17 LMRCC CONST.	AR
704.2R	SEYPPEL*	17	5	15	5	50	125	17 LMRCC CONST.	AR
704.8L	PICKETT	03	1U	15	5	50	150		MS
704.5L	PICKETT	03	1	15	5	50	150		MS
704.1L	PICKETT	03	2	15	6	50	150		MS
703.6L	PICKETT	96,08	3	25,20,12	2	100, "V"	250		MS
701.6R	PORTER LAKE	85	2T				700	GAP	AR
699.0R	PORTER LAKE	-	5				100		AR
695.5R	BASKET BAR	-	2					NATURE MADE	AR
693.7R	PETERS LATERAL	02	LD	24	5	1235	1535		AR
693.3R	PETERS	-	2					NATURE MADE	AR
681.8R	WALNUT BEND	97	1	20	5	100	300		AR
681.5R	WALNUT BEND	97	2	20	10	150	300		AR
677.2L	SHOOFLY BAR	13	1	12	0	"V"	100		MS
676.9L	SHOOFLY BAR	13	2	10	0	"V"	100		MS
676.5R	BELOW WALNUT BEND*	15	1	20	12	50	150	15 LMRCC CONST.	AR
676.0R	BELOW WALNUT BEND*	15	2	18	13	50	150	15 LMRCC CONST.	AR
668.8R	PRAIRIE POINT*	15	2	20	5	50	150	15 LMRCC CONST.	AR
668.1R	PRAIRIE POINT*	15	3	20	5	50	150	15 LMRCC CONST.	AR

RIVER MILE	DIKE FIELD NAME	YEAR NOTCH CONST.	DIKE NO.	DIKE ELEVATION LWRP	NOTCH ELEVATION LWRP	NOTCH B.W. FEET	NOTCH T.W. FEET	REMARKS	STATE
667.0R	PRAIRIE POINT*	15	5	18	7	50	150	15 LMRCC CONST.	AR
667.0R	PRAIRIE POINT*	15	5	18	8	100	250	15 LMRCC CONST.	AR
656.7R	MONTEZUMA TOWHEAD*	15	1U	25	5	50	150	15 LMRCC CONST.	AR
656.5L	MONTEZUMA BAR*	15	2	24	9	100	200	15 LMRCC CONST.	MS
656.4L	MONTEZUMA BAR	06	1T				130	NATURE MADE	MS
656.2R	MONTEZUMA TOWHEAD*	15	1	23	11	50	150	15 LMRCC CONST.	AR
655.8R	MONTEZUMA TOWHEAD*	15	2	23	16	35	75	15 LMRCC CONST.	AR
649.1R	KANGAROO POINT*	06,08	1	24	7	50	150	08 LMRCC CONST.	AR
648.5R	KANGAROO POINT*	08	2	23	8	50	150	08 LMRCC CONST.	AR
640.1R	ISLAND 62	88	1	15	BELOW 0	150	300		AR
639.4L	ISLAND 63*	06	6	24	10,5	100	300	06 LMRCC CONST.	MS
639.2R	ISLAND 62	03	3				500	NATURE MADE	AR
638.1R	ISLAND 62	03	4				300	NATURE MADE	AR
630.6R	ISLAND 64*	17	1	18	2	50	150	17 LMRCC CONST.	AR
630R	ISLAND 64*	17	2	18	2	50	150	17 LMRCC CONST.	AR
629.4R	ISLAND 64*	17	3	16	2	50	100	17 LMRCC CONST.	AR
623.4R	BELOW LUDLOW*	08	1	19	9	50	150	08 LMRCC CONST.	AR
622.8R	BELOW LUDLOW*	08	2	24	12	75	150	08 LMRCC CONST.	AR
616.2R	BELOW KNOWLTON	01	1	13	7	50	150		AR
615.5R	BELOW KNOWLTON*	15	2	19	11	50	150	15 LMRCC CONST.	AR
613.8R	BELOW KNOWLTON	02	3	20,15	8	100	125		AR
613.2R	BELOW KNOWLTON*	09,15	3.5	18	5	50	150	15 LMRCC RECUT	AR
613.2R	BELOW KNOWLTON*	15	3.5	18	10	50	150	15 LMRCC CONST.	AR
611.8R	BELOW KNOWLTON*	92,15	5	20,15	0	50	150	15 LMRCC RECUT	AR

*Notched using fish passage money from LMRCC

2021 Legend

Bathymetry

(Feet above and below 2007 LWRP)

- Above 0
- 0 ft
- -5 ft
- -10 ft
- -20 ft
- -30 ft
- Below -30

Revetment

EXISTING

Dredging

Dredge Cut Area Since 2015

Dike

EXISTING

Miscellaneous

Channel Alignment

123 River Mile

Major Road

Railroad

Marine Navigation Light

Notch

Boat Ramp

337.5 2007 LWRP

Right Descending Bouys

Left Descending Bouys

Least Tern Nesting Site by Year

Nesting determined by presence of eggs or chicks or by behavior

- 2004
- 2005
- 2006
- 2007
- 2008
- 2009
- 2010
- 2011
- 2012
- 2018

No nesting confirmed

- 2004
- 2005
- 2006
- 2007
- 2008
- 2009
- 2010
- 2011
- 2012
- 2018

Survey Information

The information depicted on these maps represent the results of hydrographic surveys made from July 2020 to January 2021 and can only be considered as indicating the general conditions exisitng at that time.

2020 Hydrographic Surveys - River Mile 955-599

Projection Information

Projected Coordinate System: NAD_1983_UTM_Zone_15 and Zone_16
Projection: Transverse_Mercator
Linear Unit: Foot_US

Aerial Photos

Aerial photos were collected during 2020 low water conditions.

Scale

Mapping Scale - 1:48,000
Equivalent Scale - 1 inch = 4,000 feet

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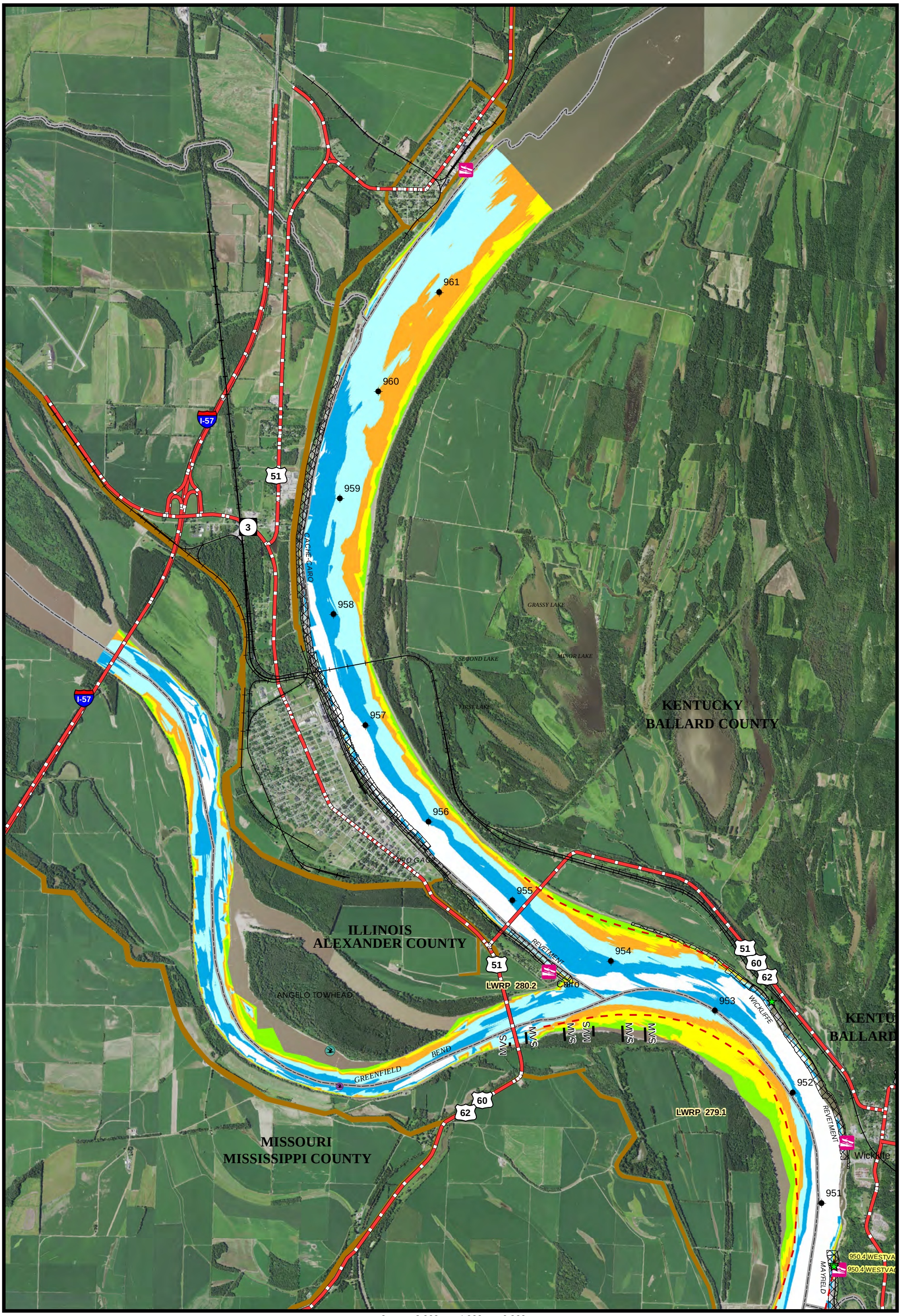
2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

N



RM 952 - 961

0 2,000 4,000 6,000 Feet

MAP NO. 1(OH)

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2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

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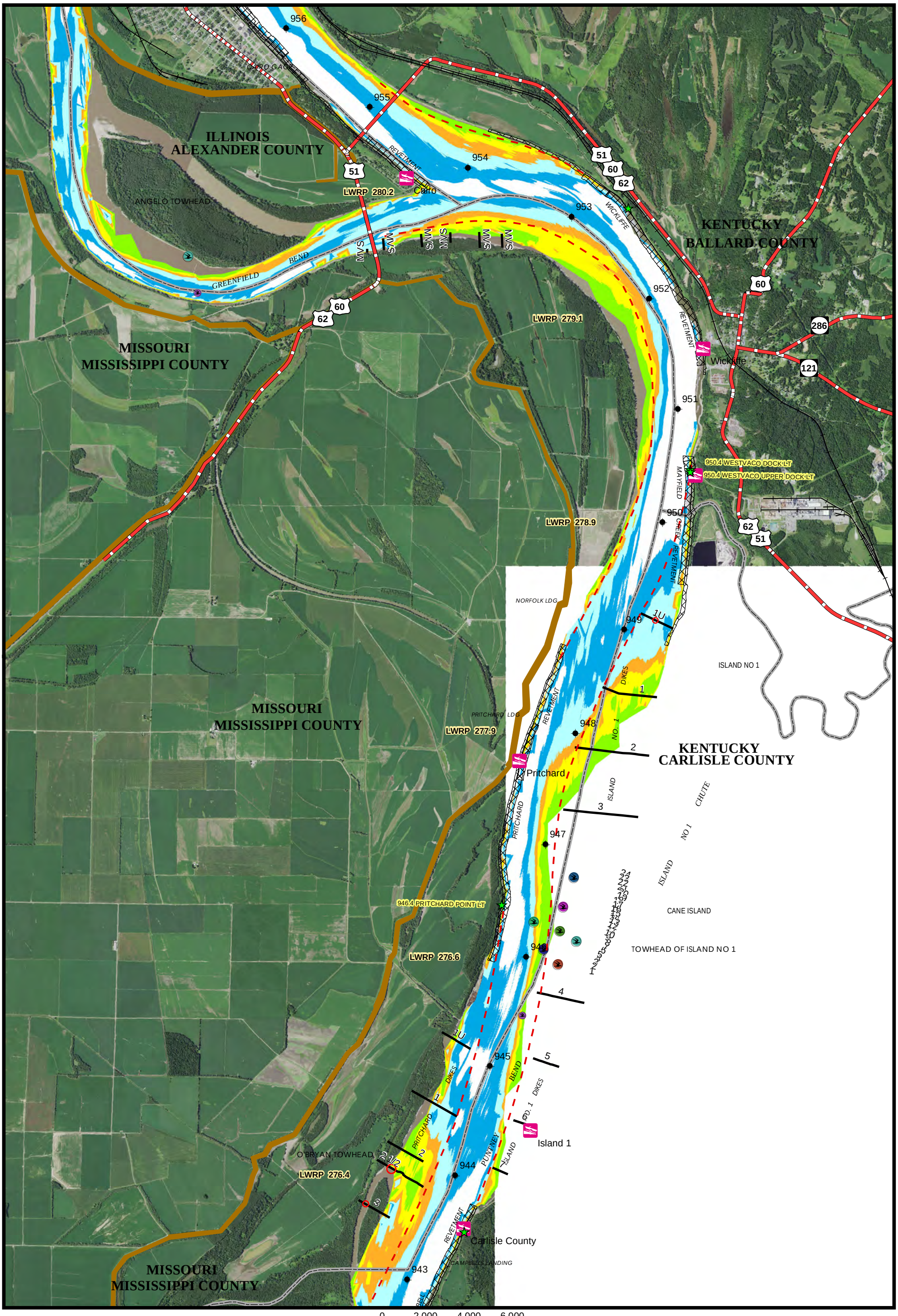

RM 944 - 954

MAP NO. 1

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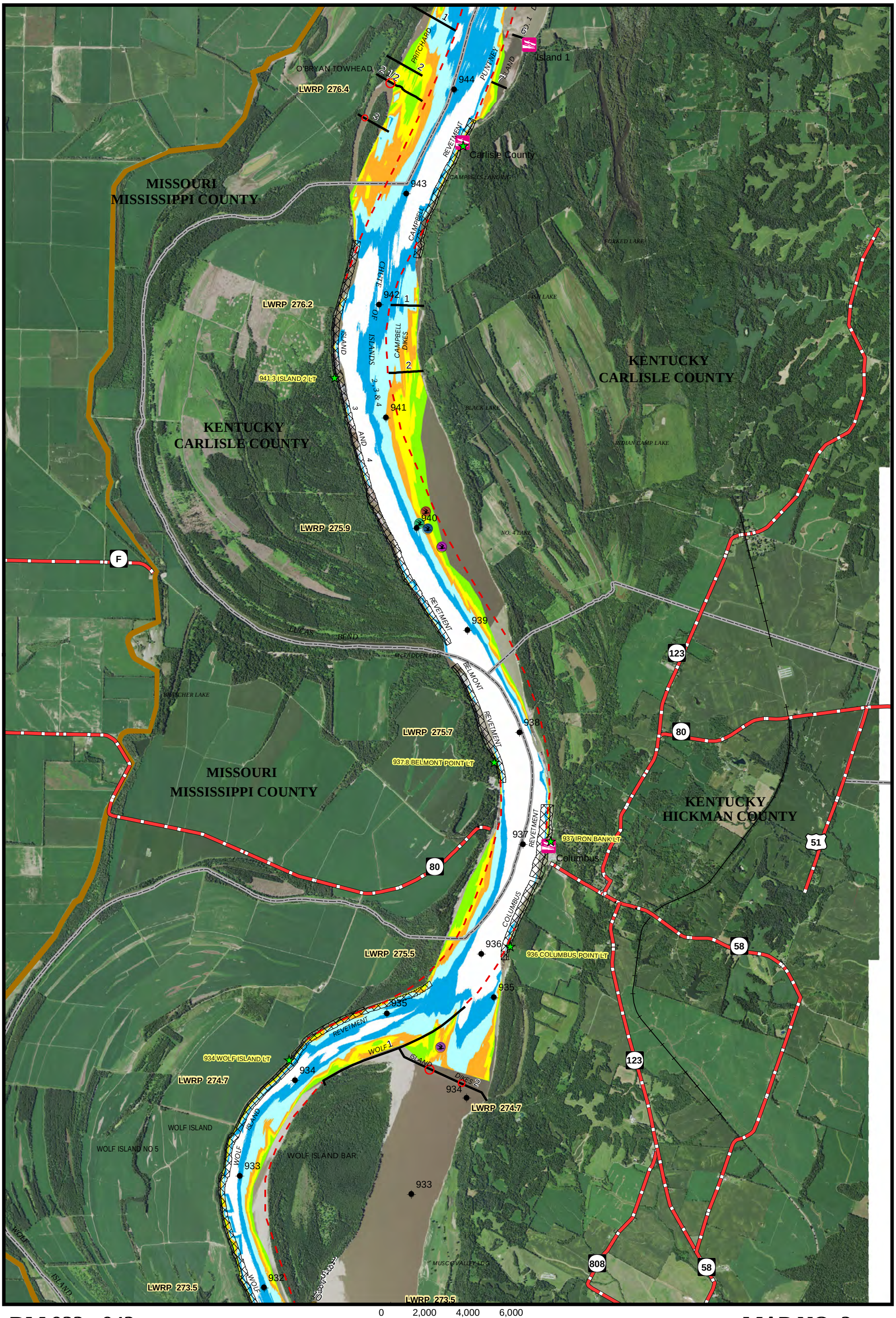

0 2,000 4,000 6,000 Feet

RM 933 - 943

MAP NO. 2

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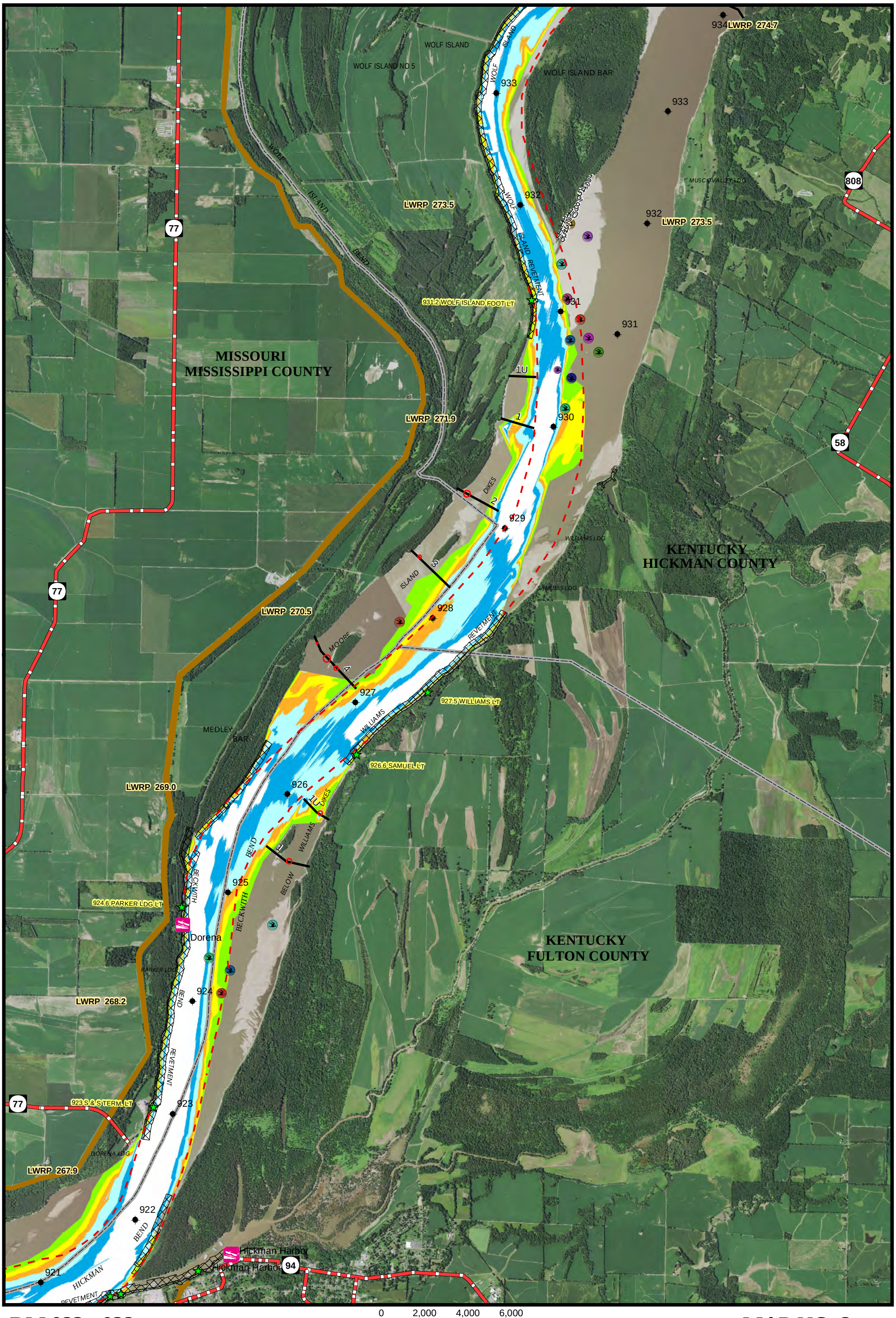

0 2,000 4,000 6,000 Feet

RM 923 - 932

MAP NO. 3

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2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

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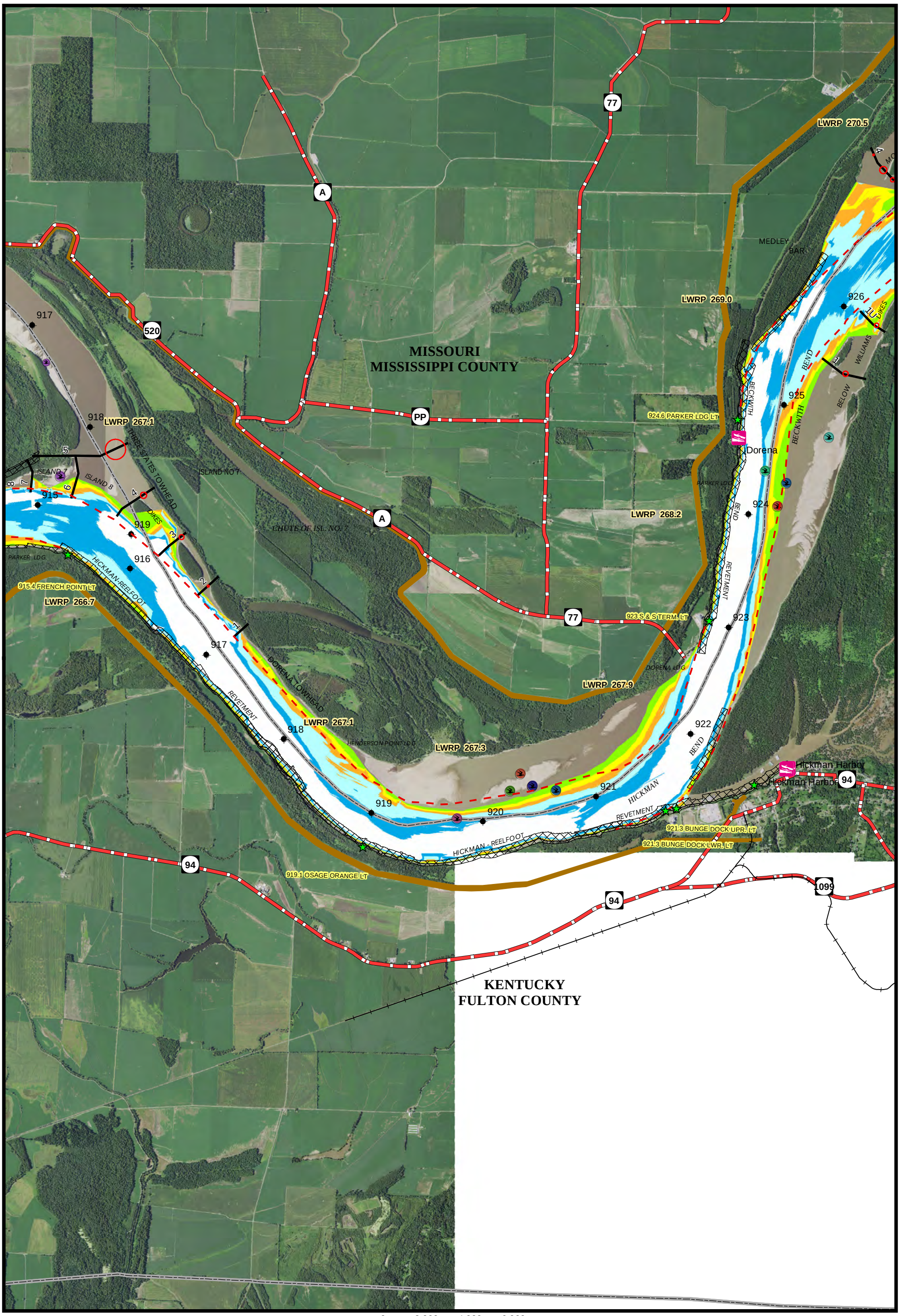

RM 916 - 922

0 2,000 4,000 6,000 Feet

MAP NO. 4

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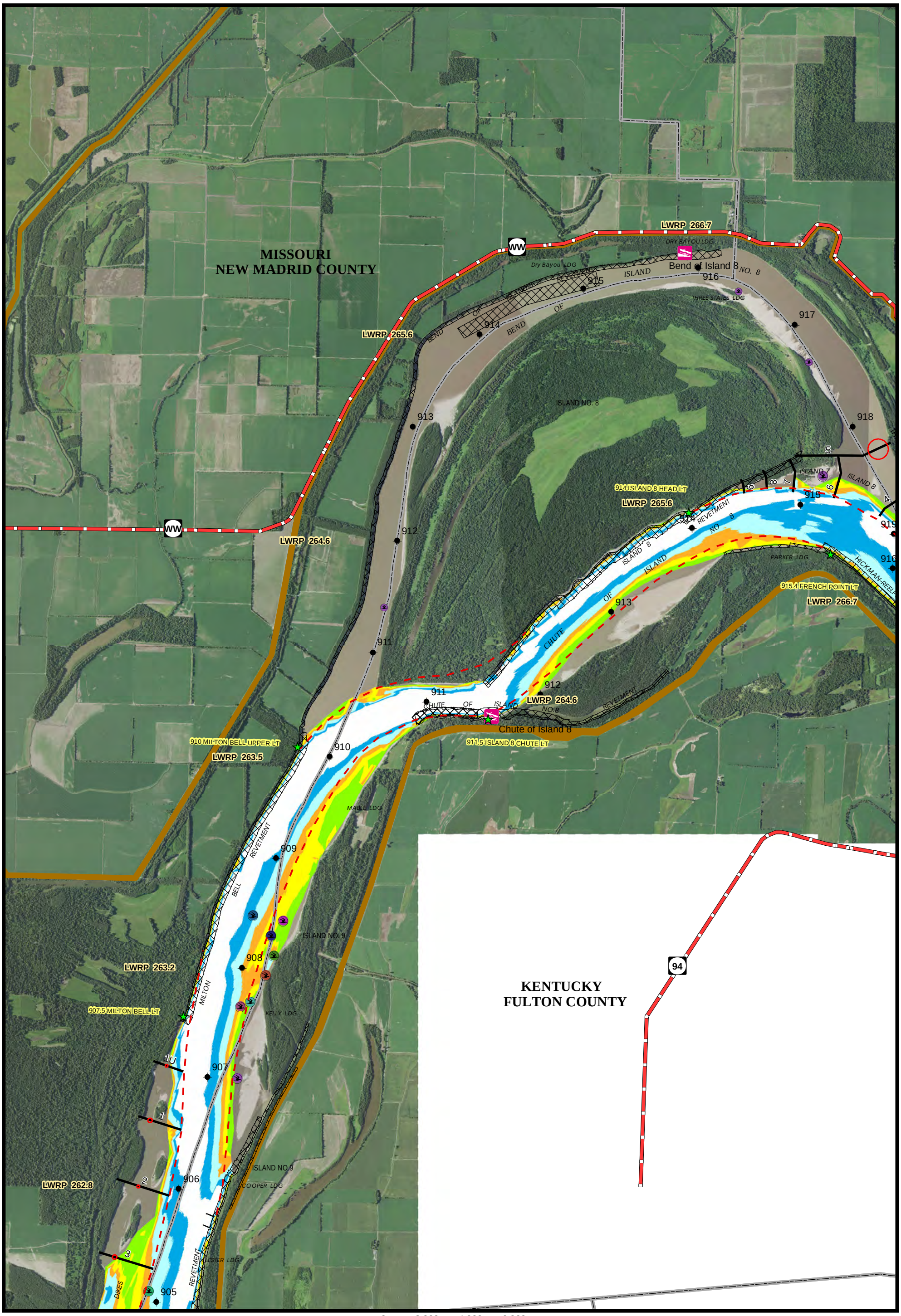

RM 906 - 915

0 2,000 4,000 6,000 Feet

MAP NO. 5

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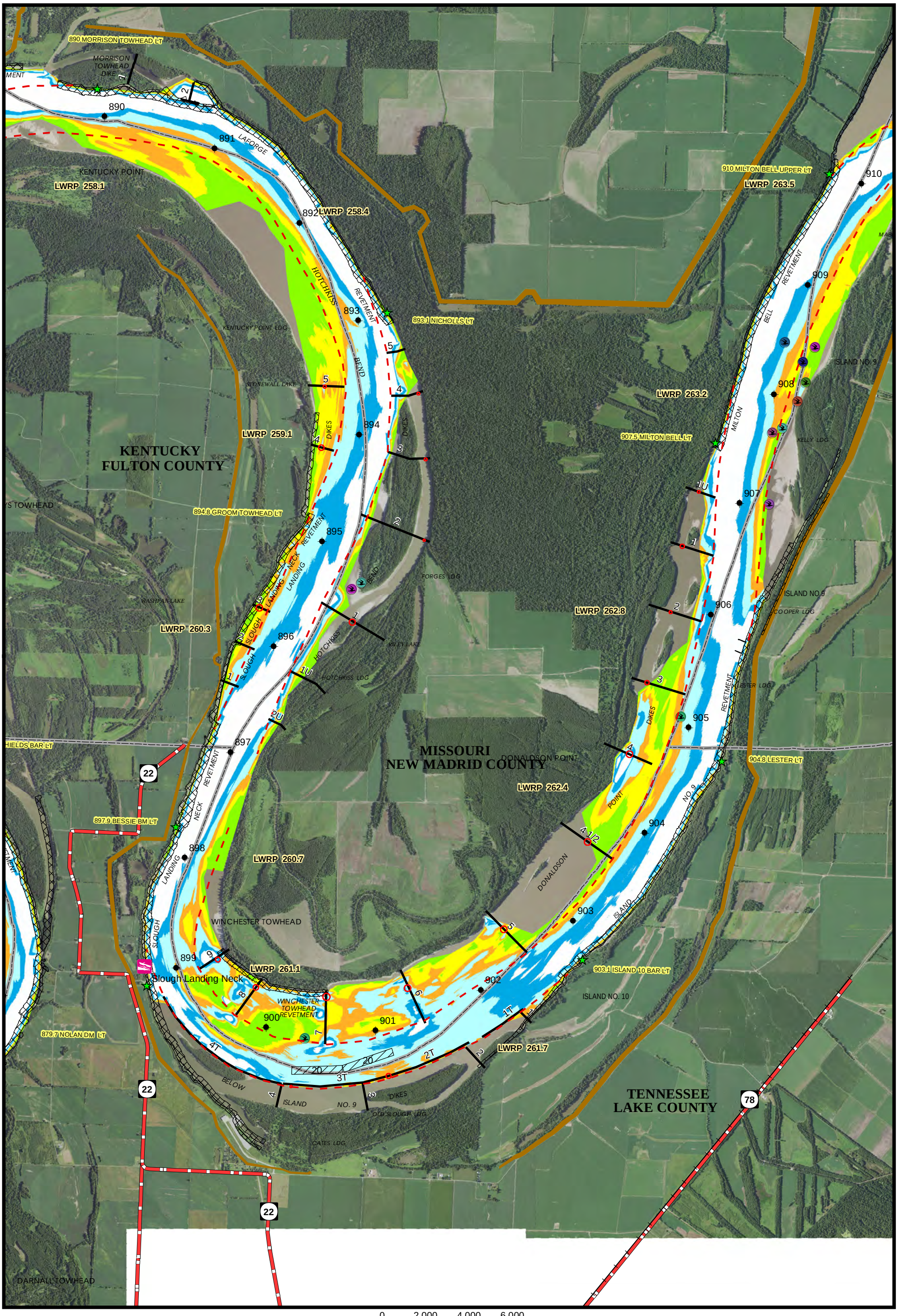

0 2,000 4,000 6,000 Feet

RM 890 - 907

MAP NO. 6

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2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

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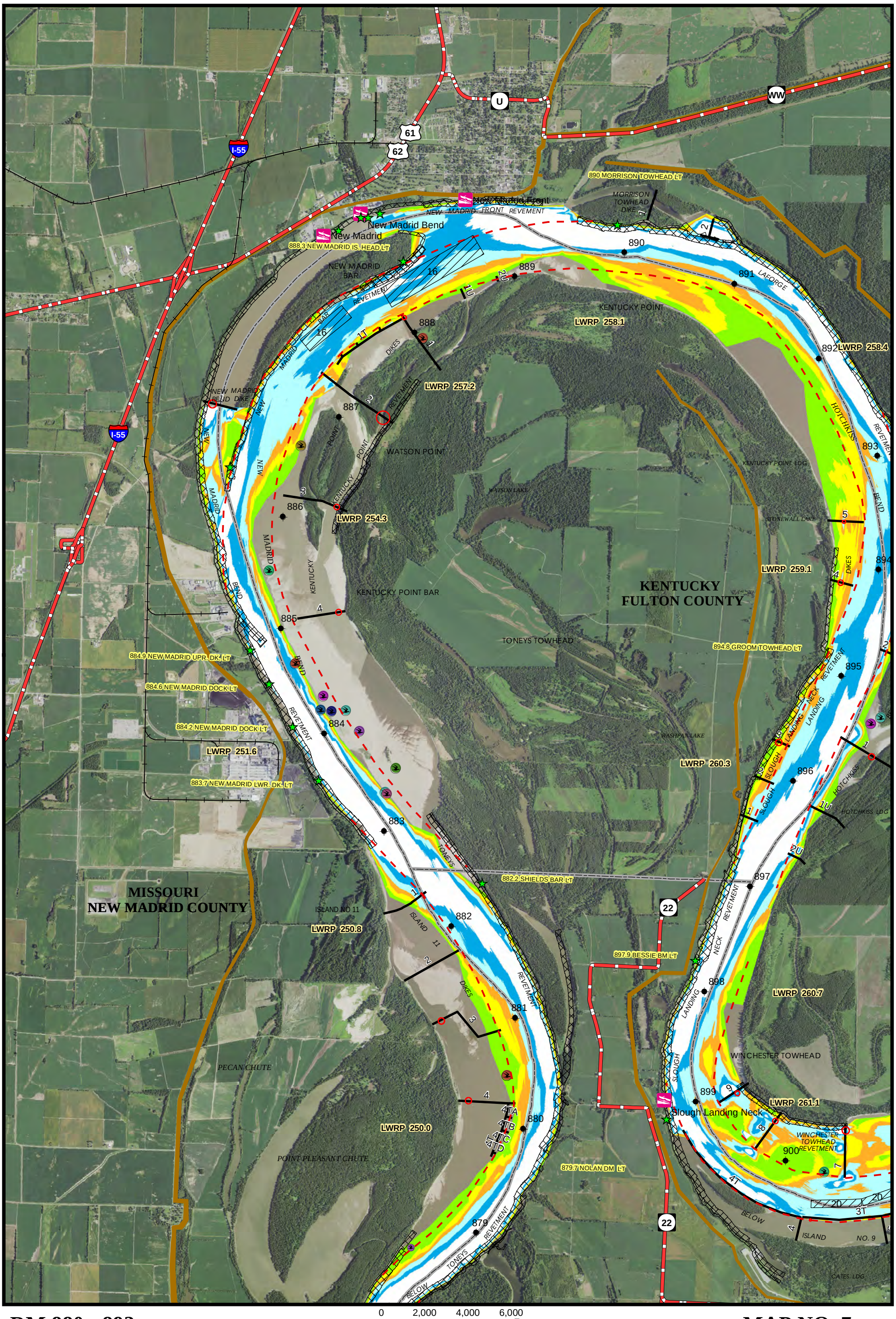

RM 880 - 892

0 2,000 4,000 6,000 Feet

MAP NO. 7

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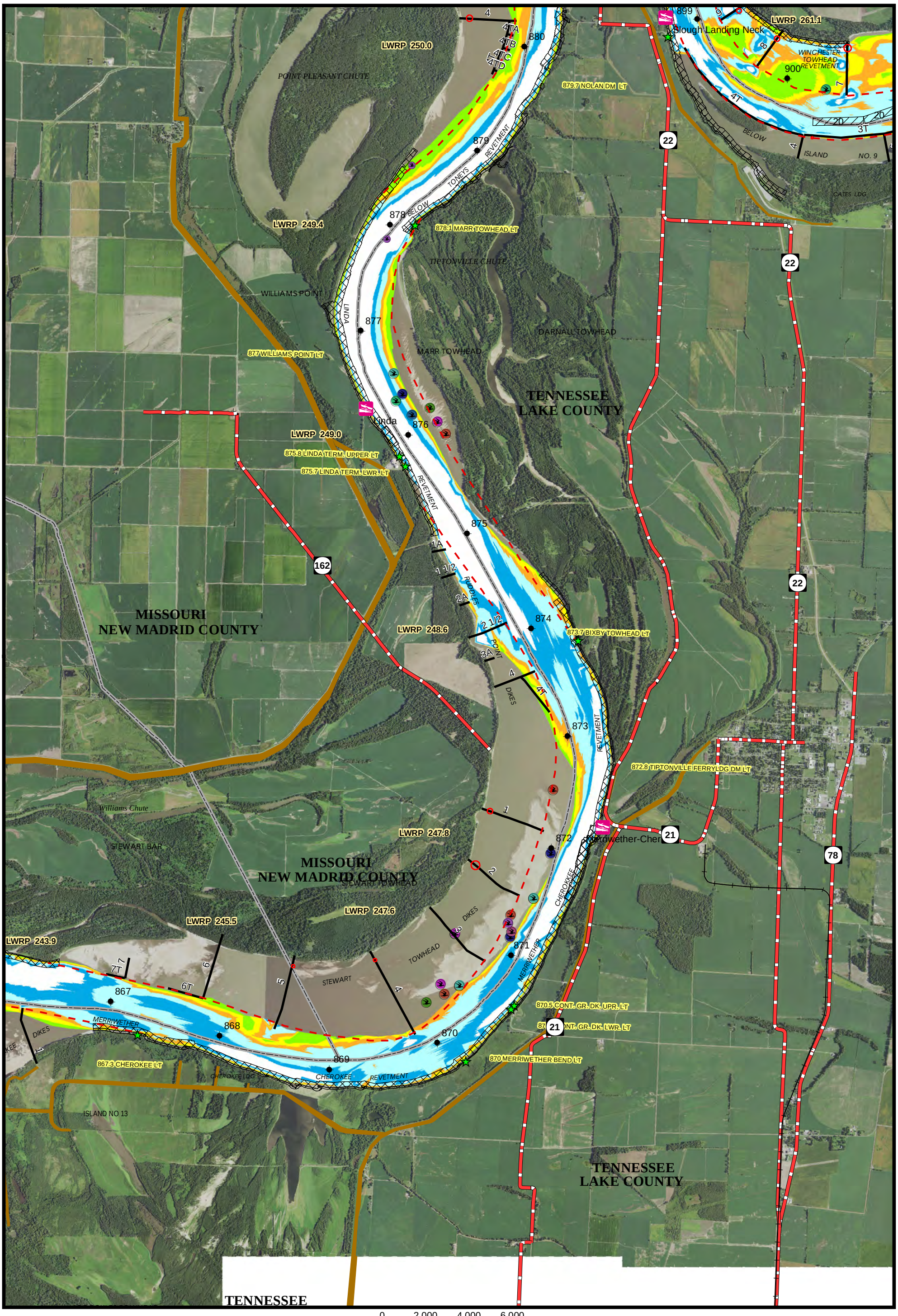

RM 867 - 879

0 2,000 4,000 6,000 Feet

MAP NO. 8

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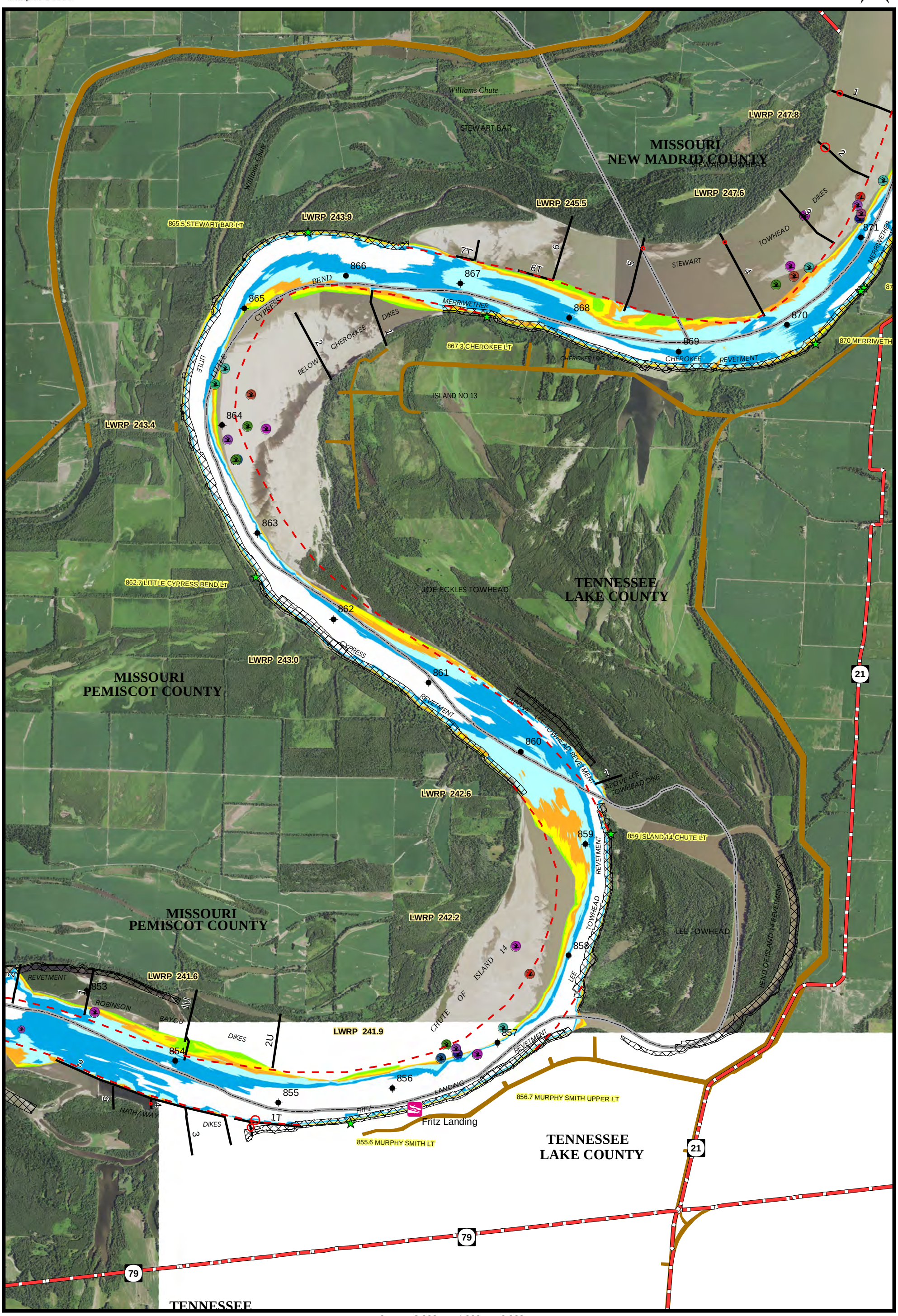

RM 853 - 870

0 2,000 4,000 6,000 Feet

MAP NO. 9

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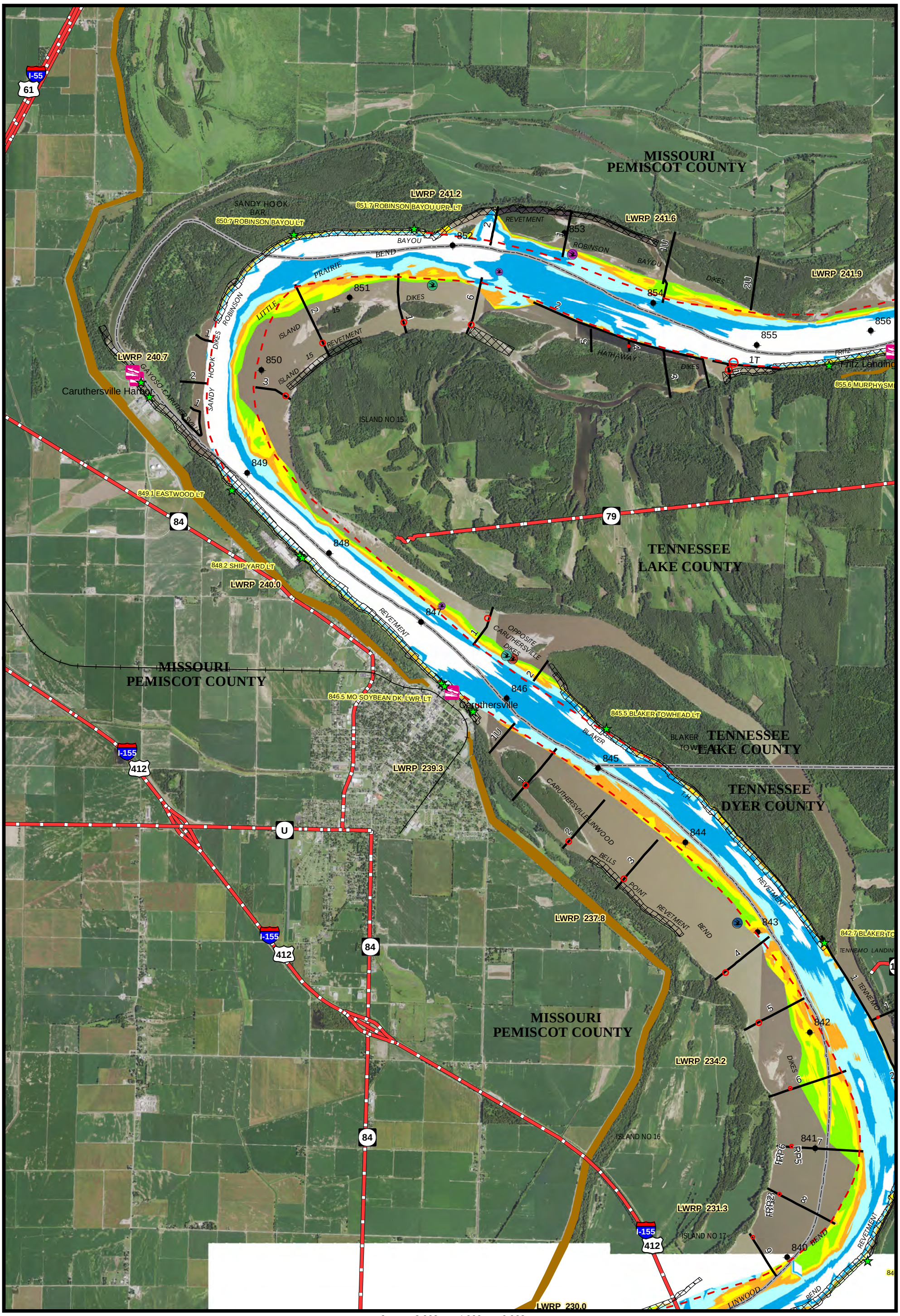

0 2,000 4,000 6,000 Feet

RM 842 - 855

MAP NO. 10

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2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

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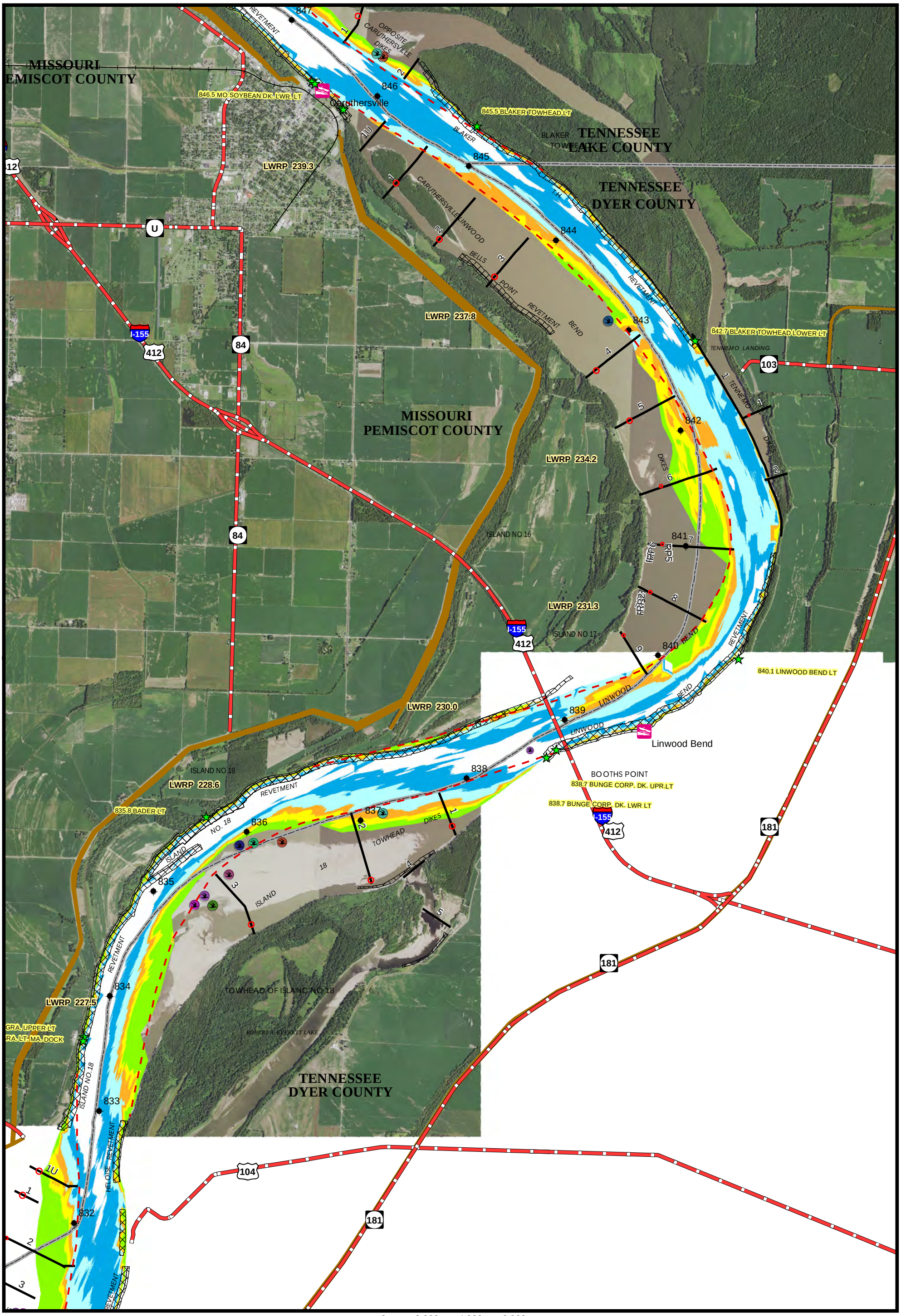

RM 833 - 845

0 2,000 4,000 6,000 Feet

MAP NO. 11

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2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

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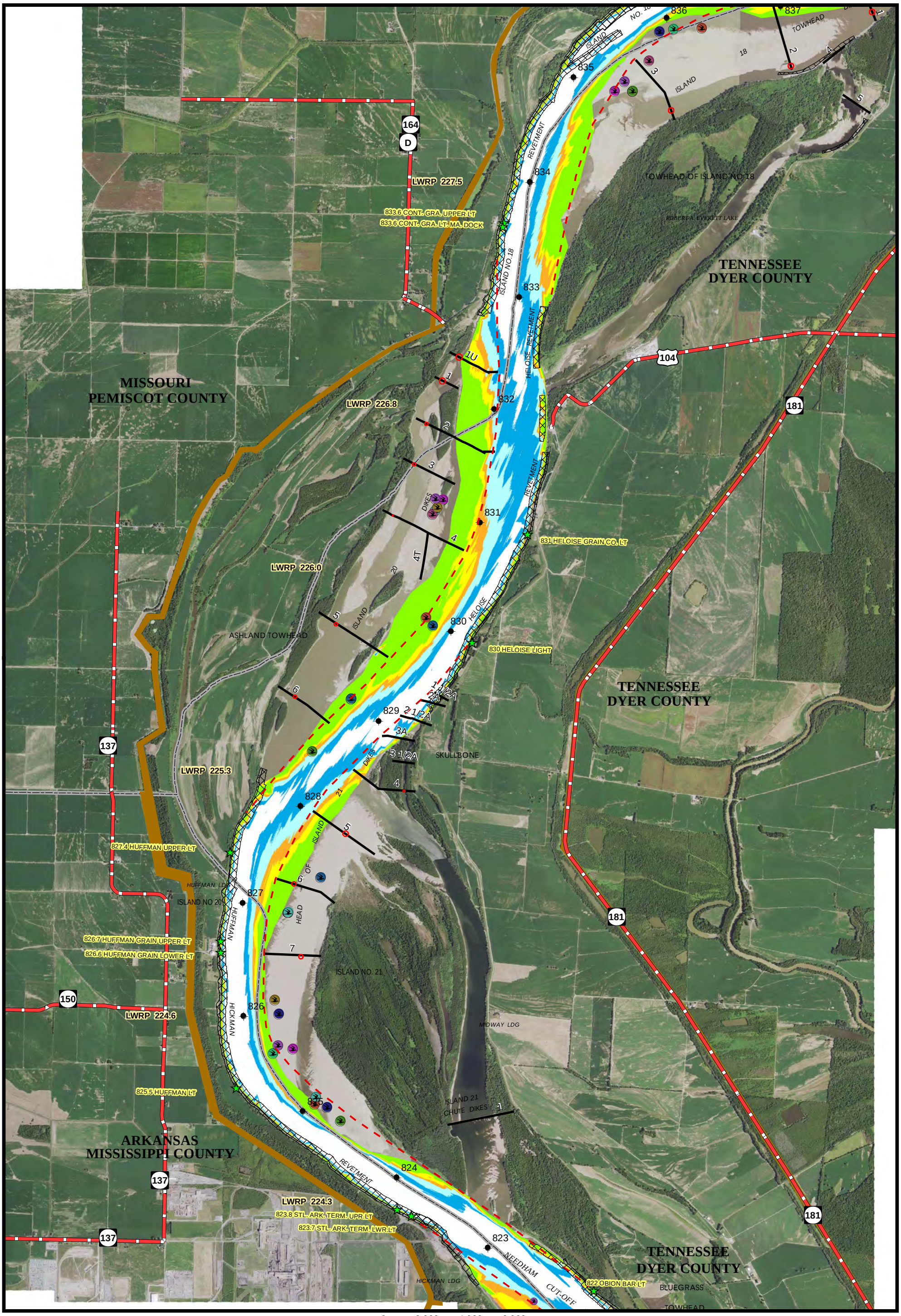

RM 824 - 834

0 2,000 4,000 6,000 Feet

MAP NO. 12

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2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

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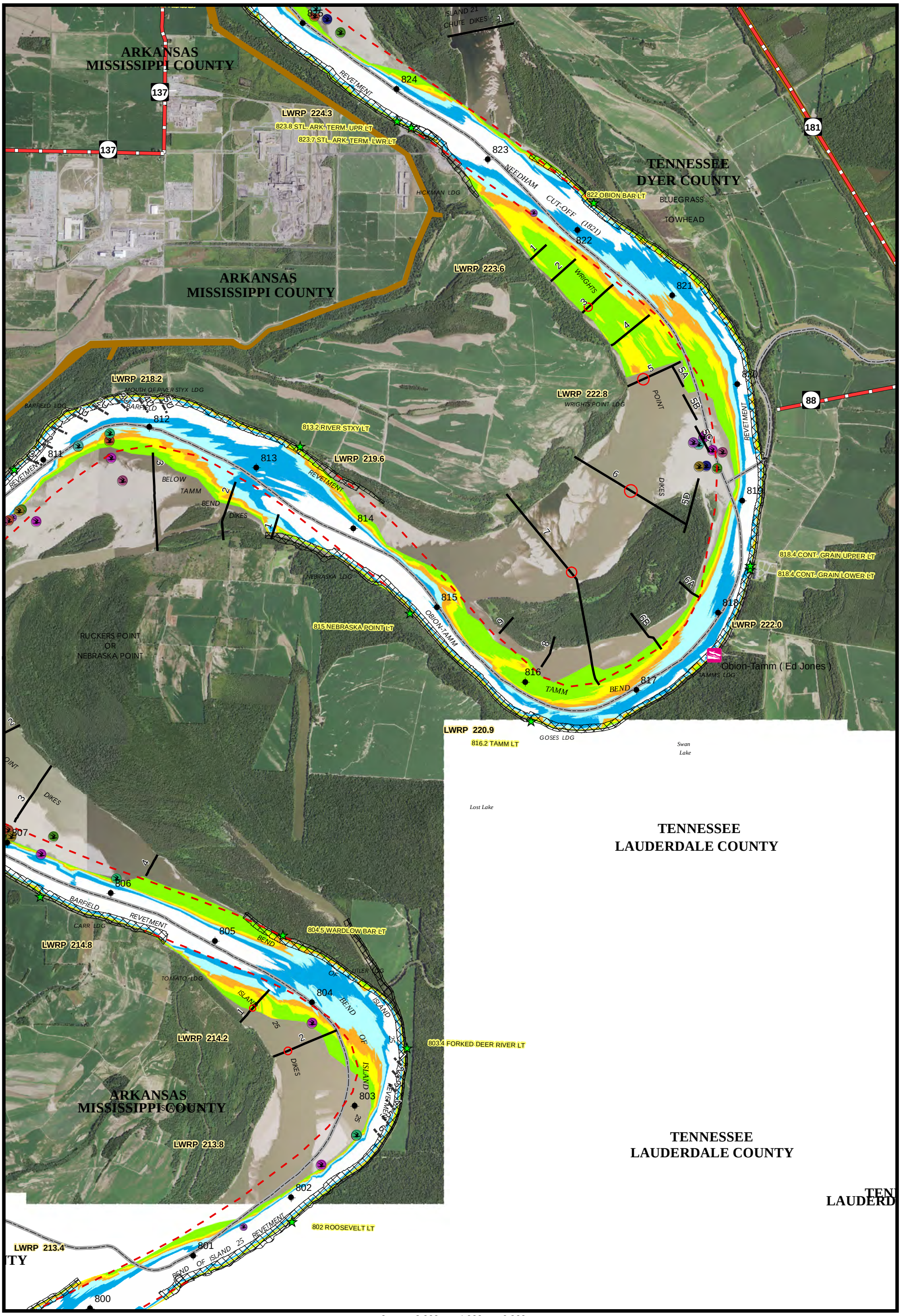

RM 802 - 823

0 2,000 4,000 6,000 Feet

MAP NO. 13

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2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

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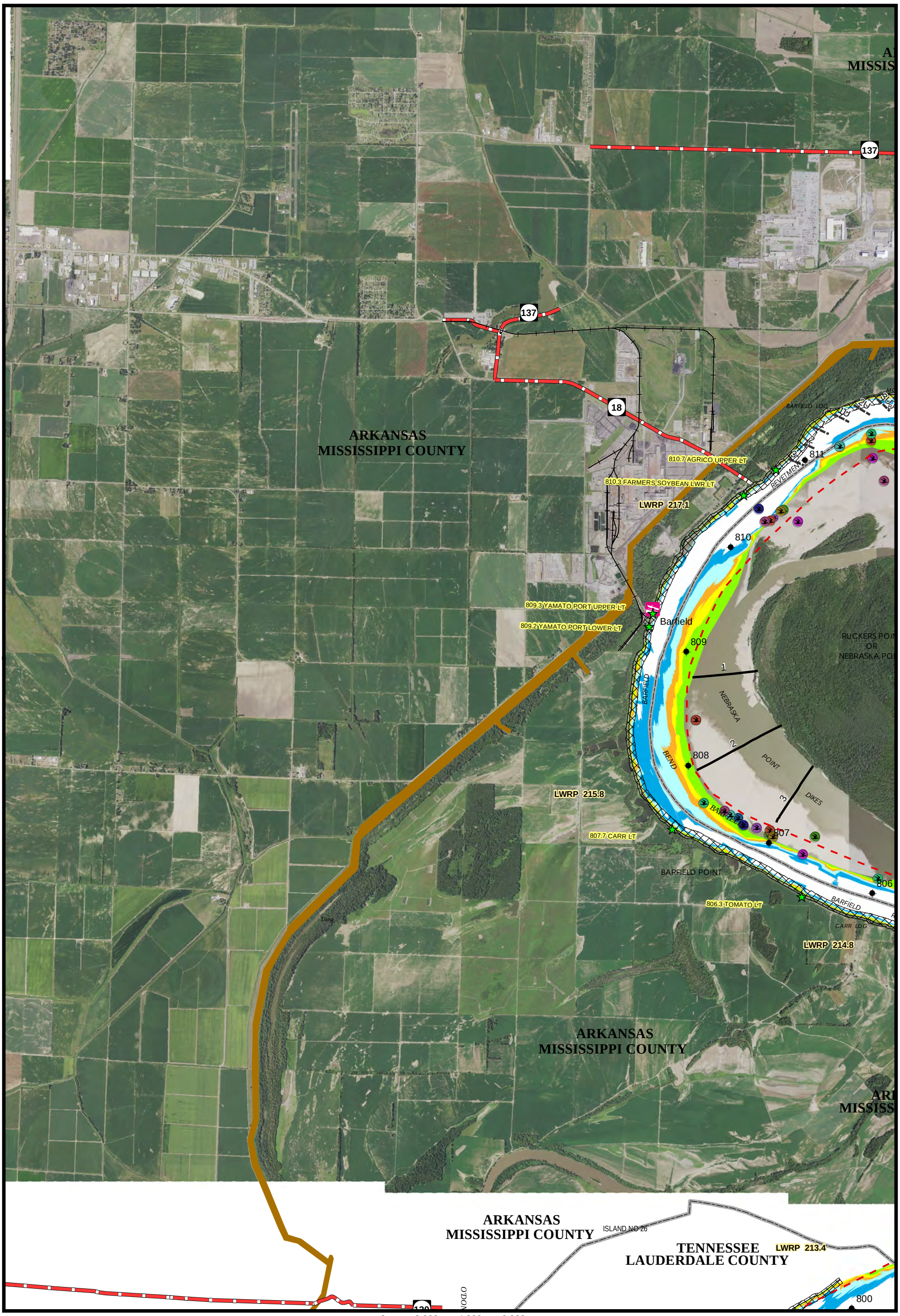

RM 807 - 811

MAP NO. 14

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2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

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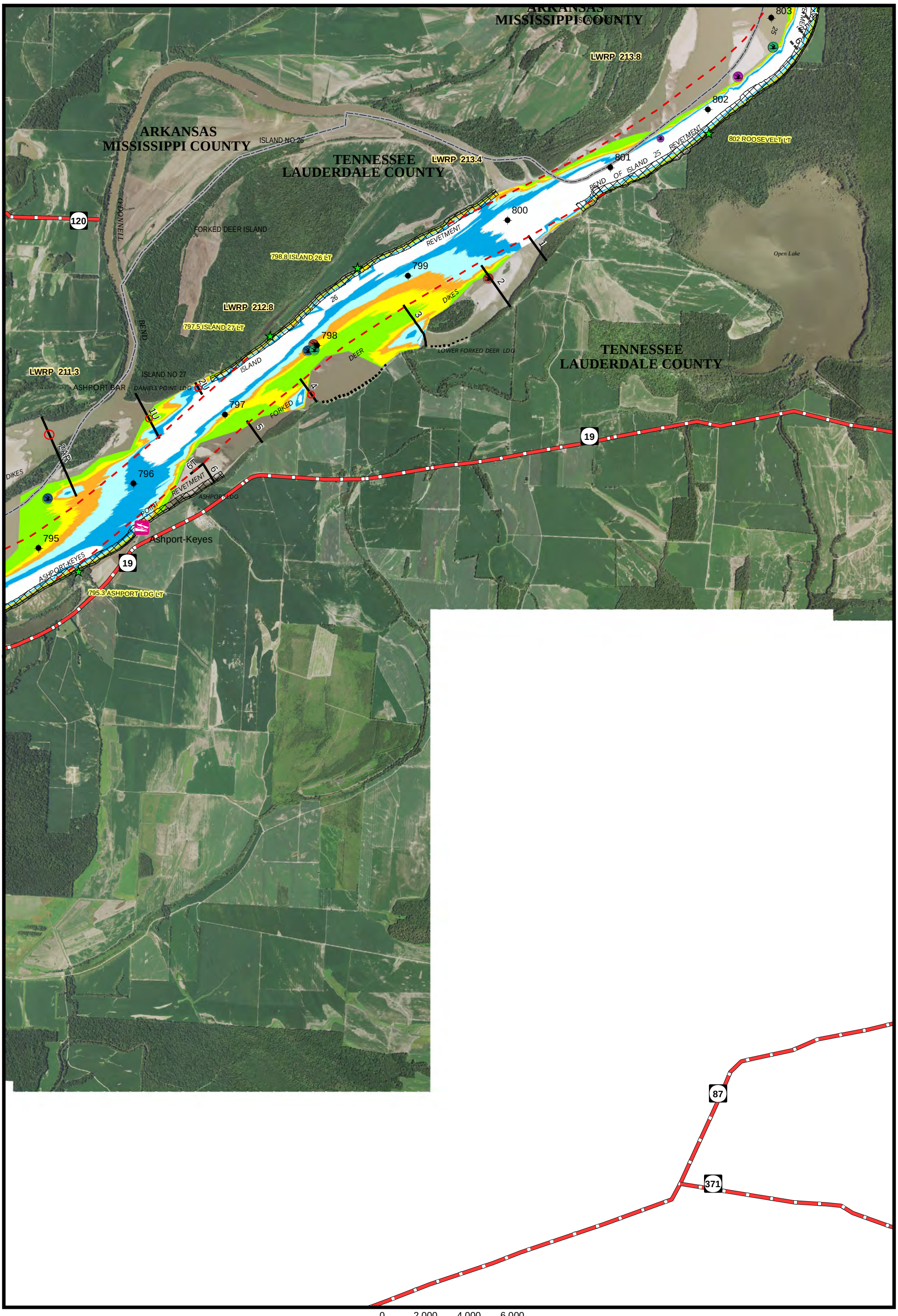

RM 796 - 801

0 2,000 4,000 6,000 Feet

MAP NO. 15

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2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

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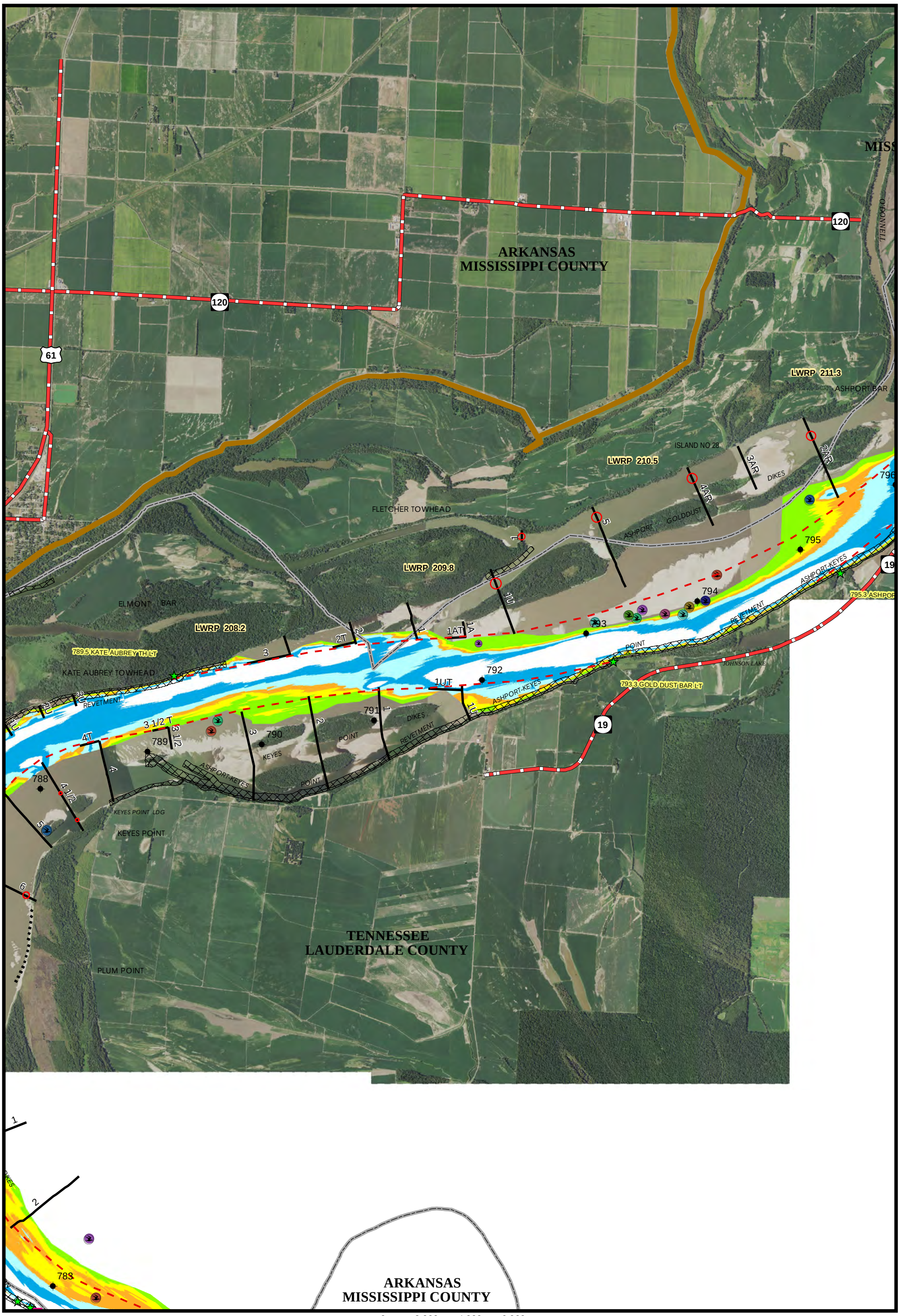

RM 789 - 795

0 2,000 4,000 6,000 Feet

MAP NO. 16

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2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

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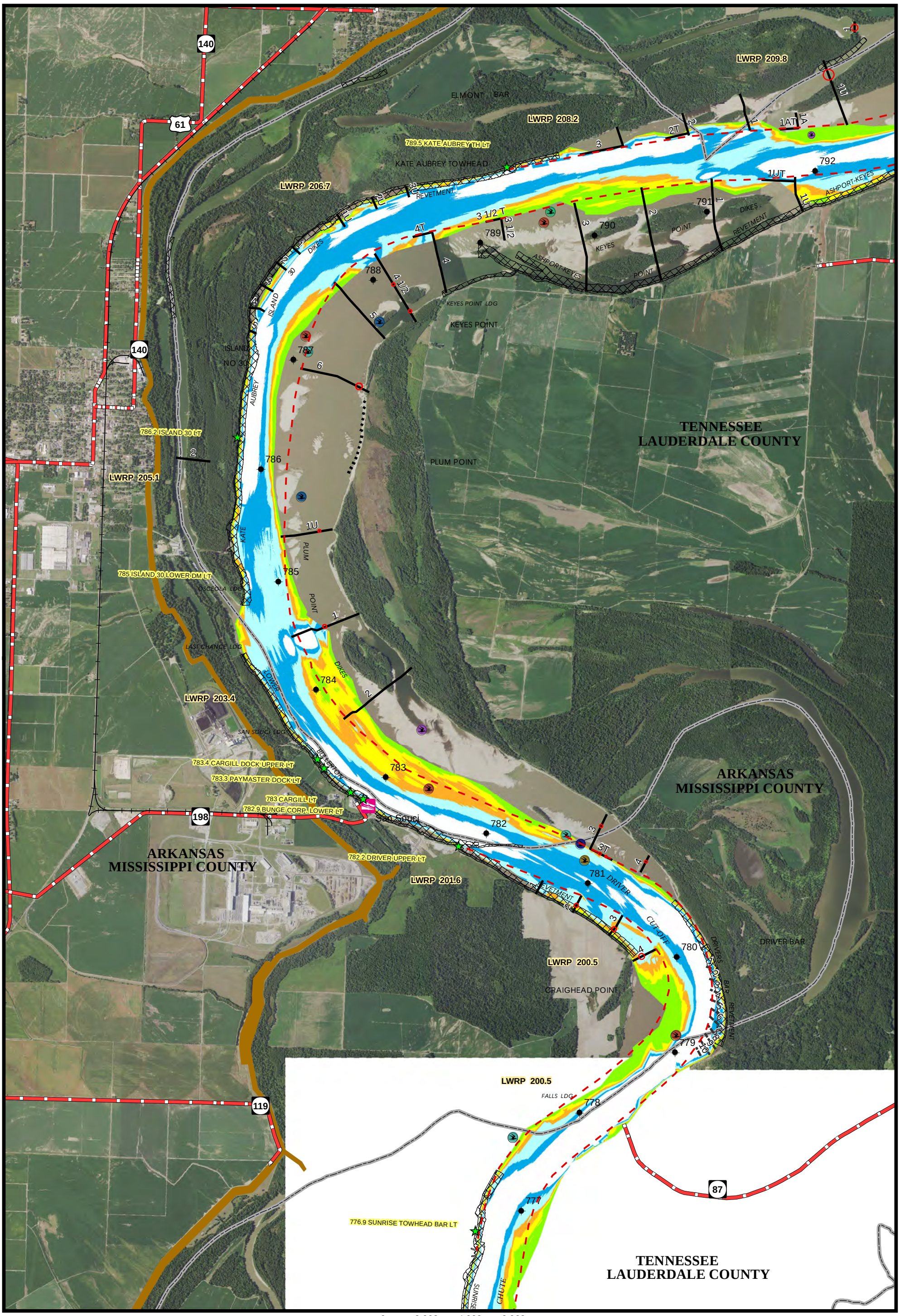

RM 778 - 792

MAP NO. 17

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2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

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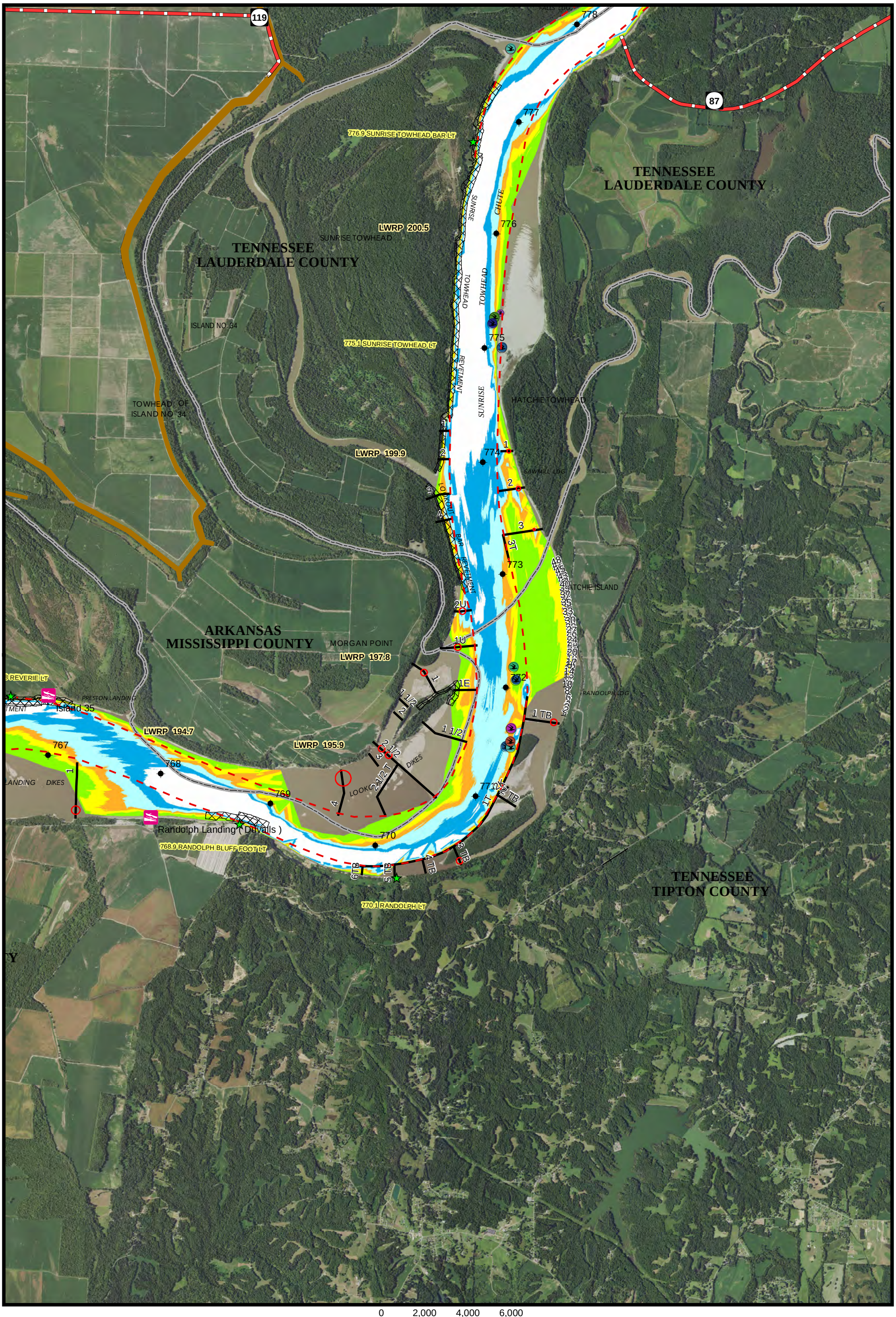

RM 768 - 777

0 2,000 4,000 6,000 Feet

MAP NO. 18

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2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

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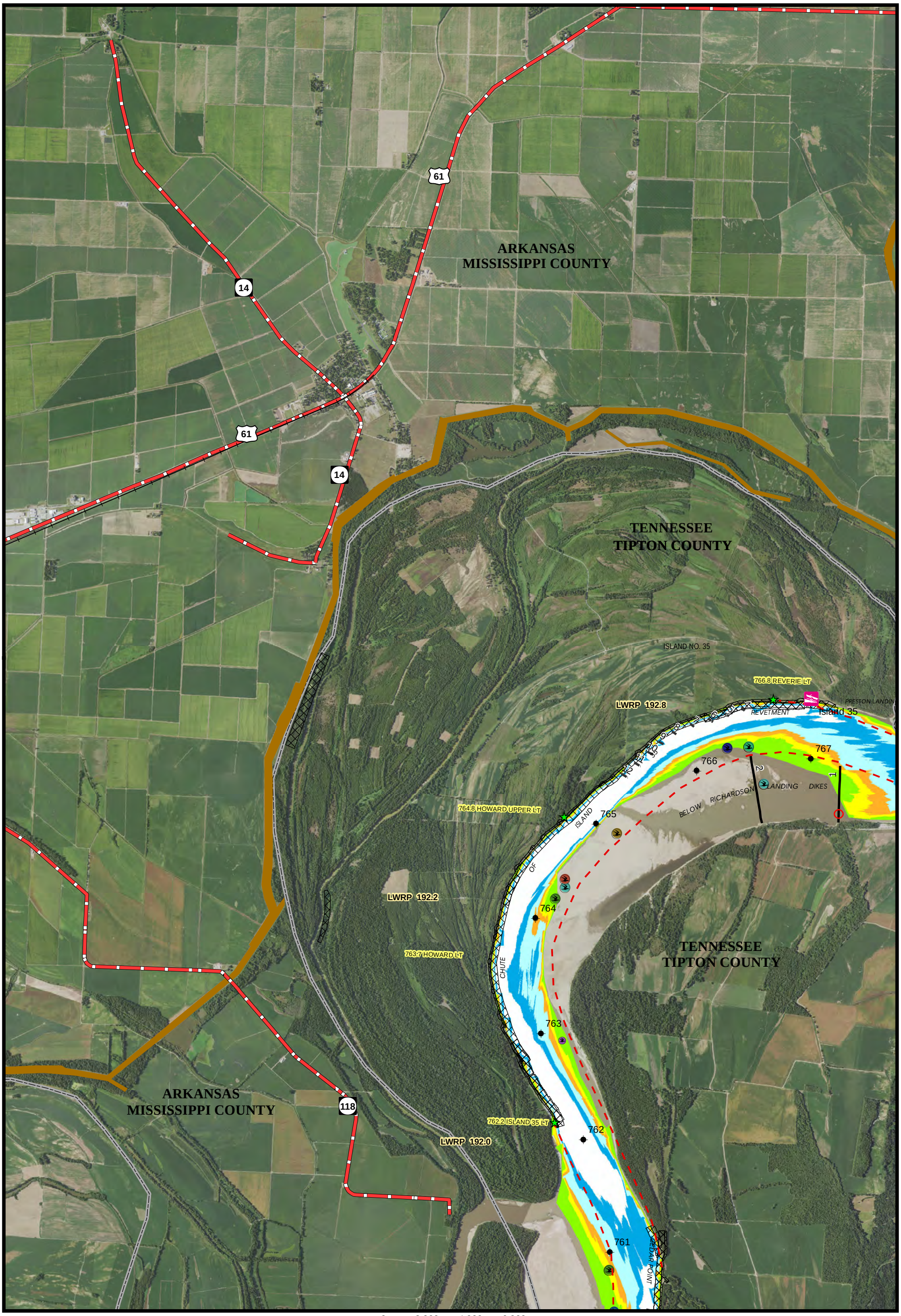

RM 762 - 767

0 2,000 4,000 6,000 Feet

MAP NO. 19

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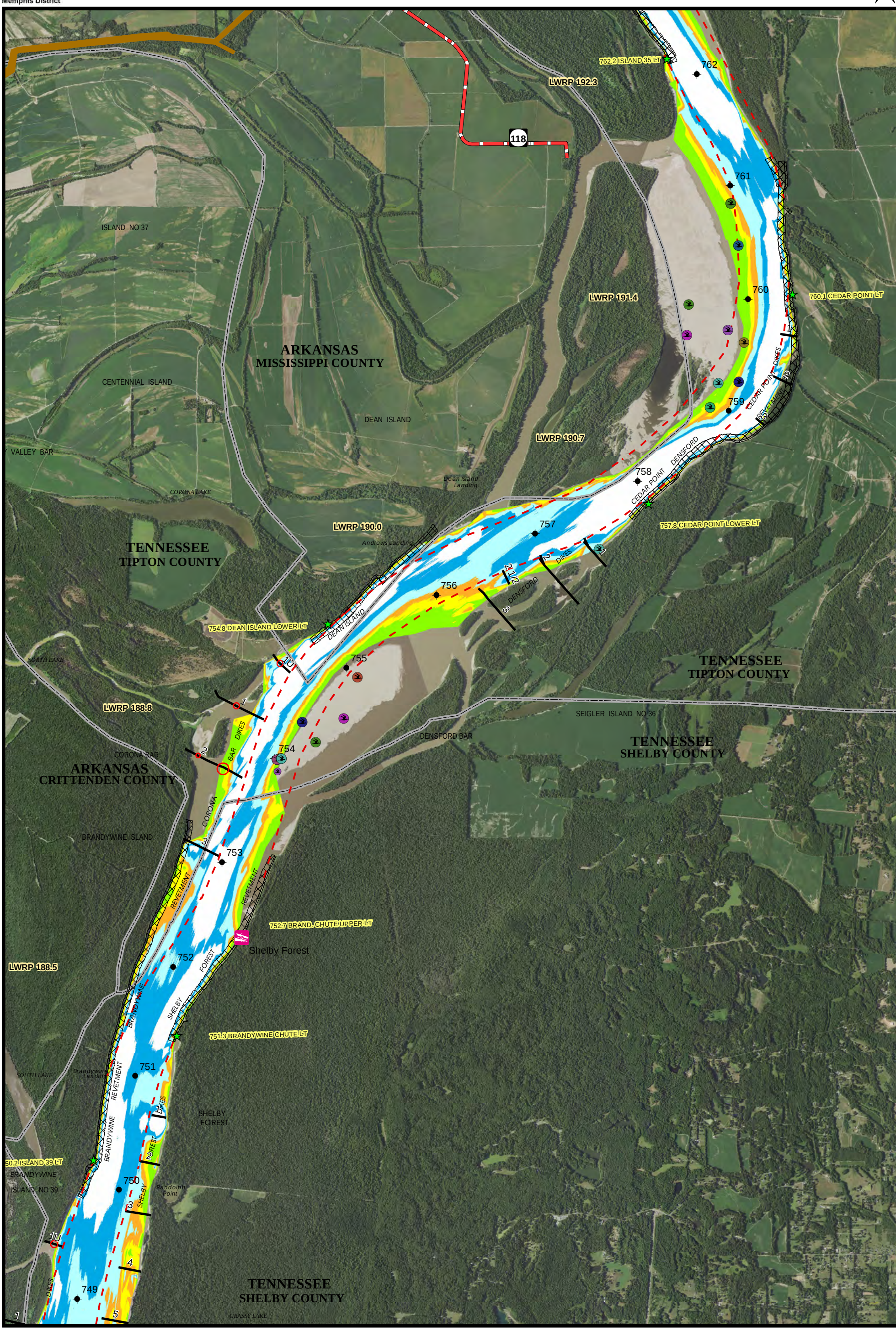
Memphis District

2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

N



RM 750 - 761

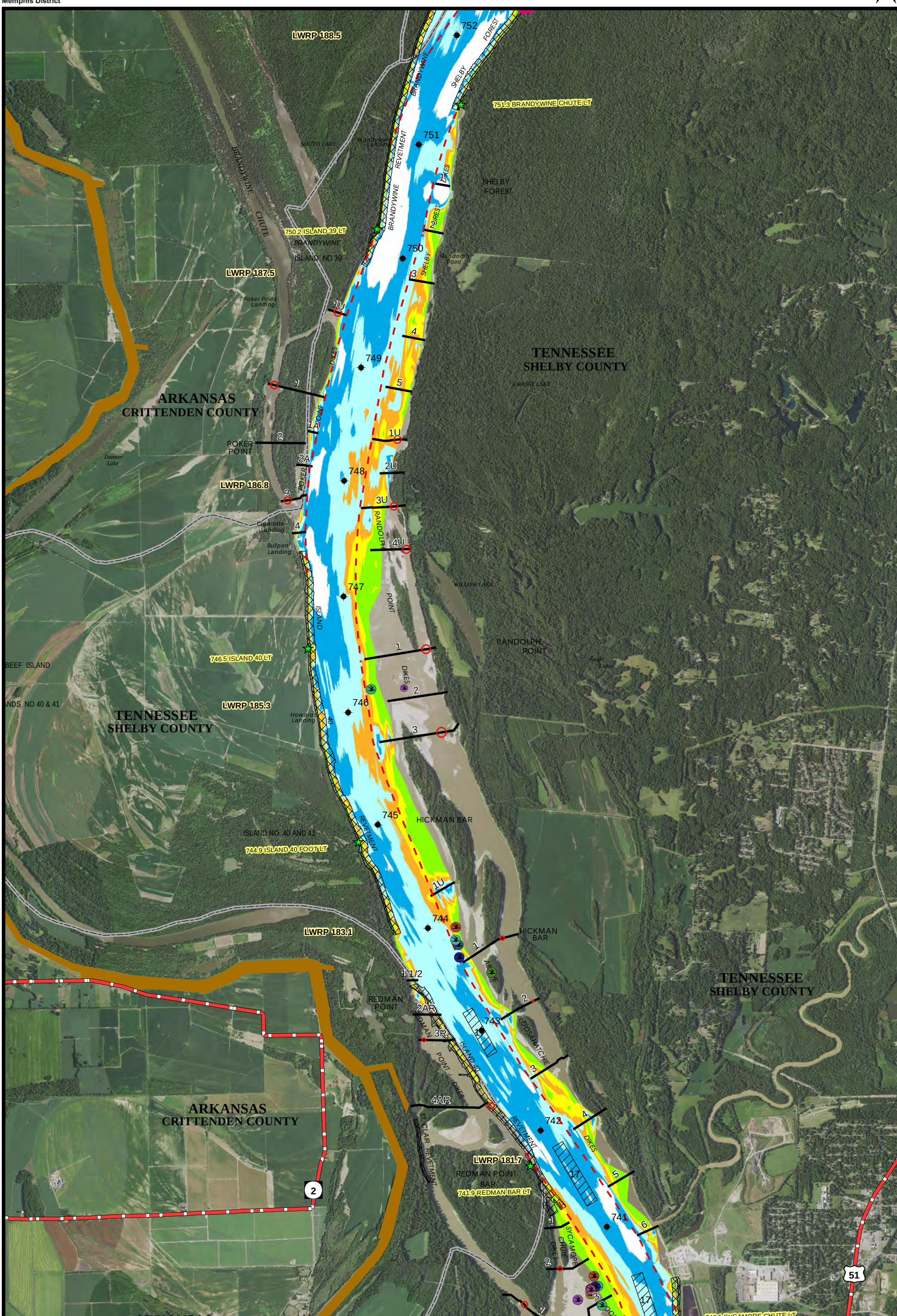
0 2,000 4,000 6,000 Feet

MAP NO. 20

US Army Corps of Engineers®
Memphis District

2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

N



RM 742 - 751

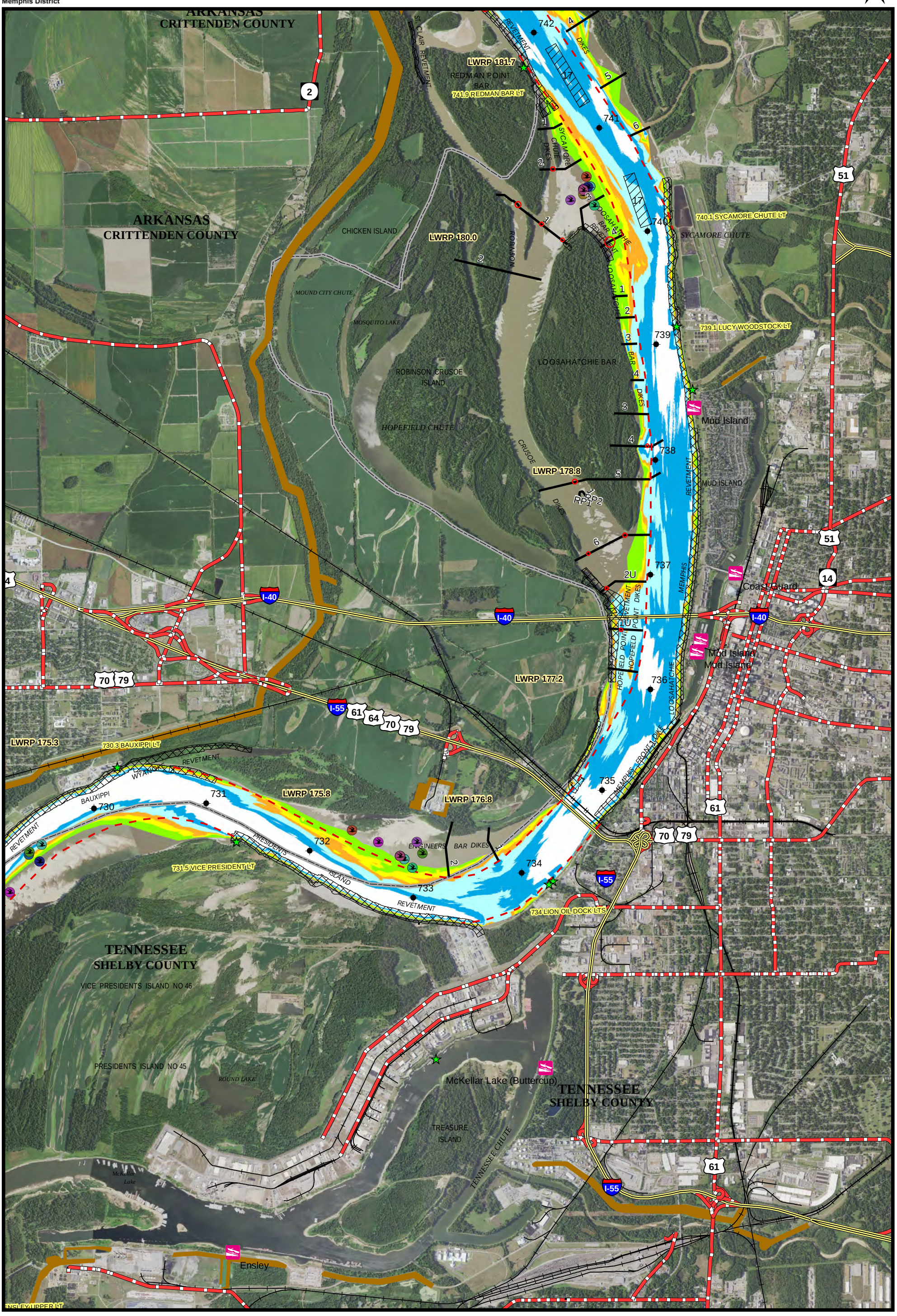
0 2,000 4,000 6,000 Feet

MAP NO. 21

US Army Corps of Engineers®
Memphis District

2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

N



RM 730 - 741

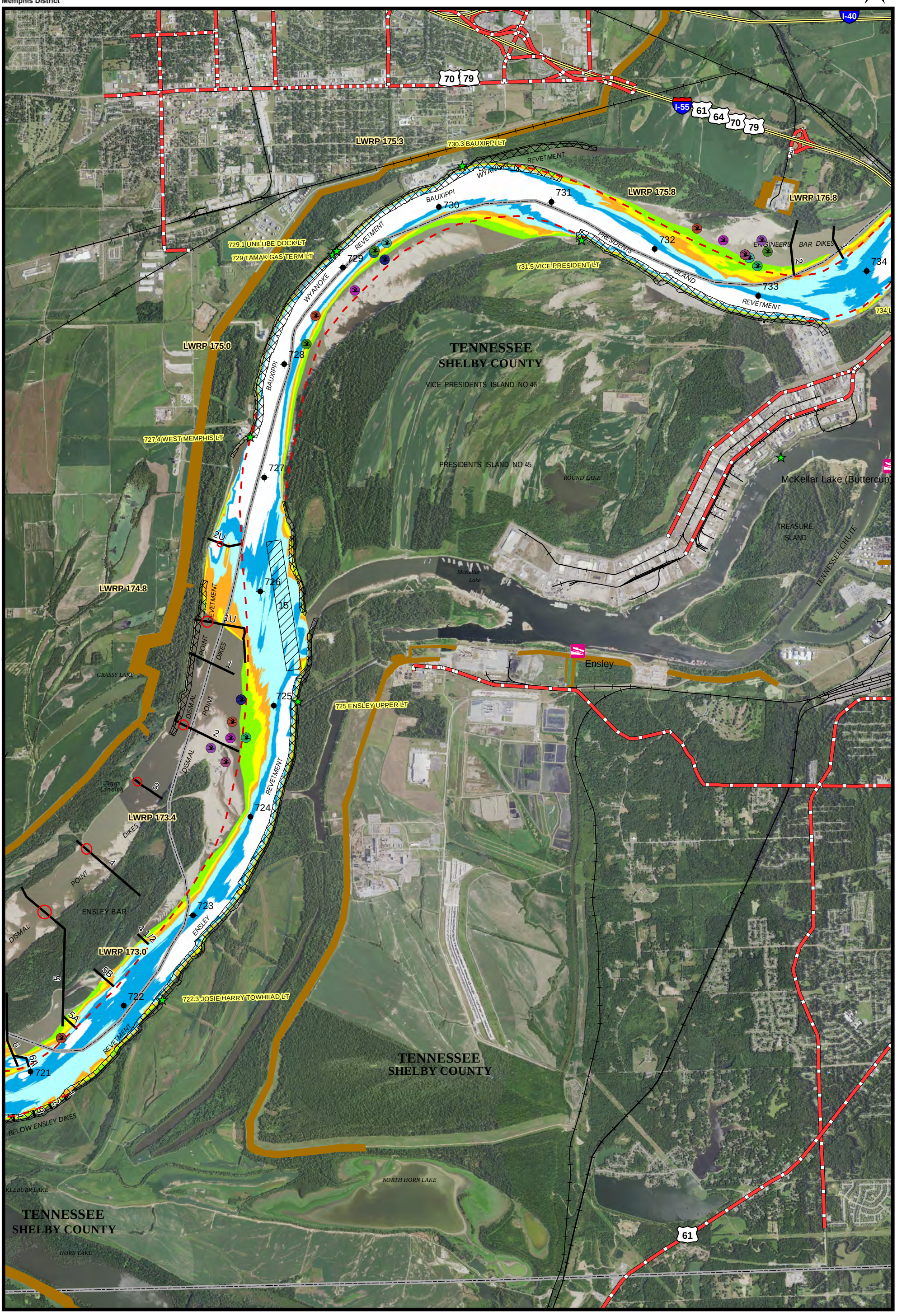
0 2,000 4,000 6,000 Feet

MAP NO. 22

US Army Corps of Engineers®
Memphis District

2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

N



RM 722 - 733

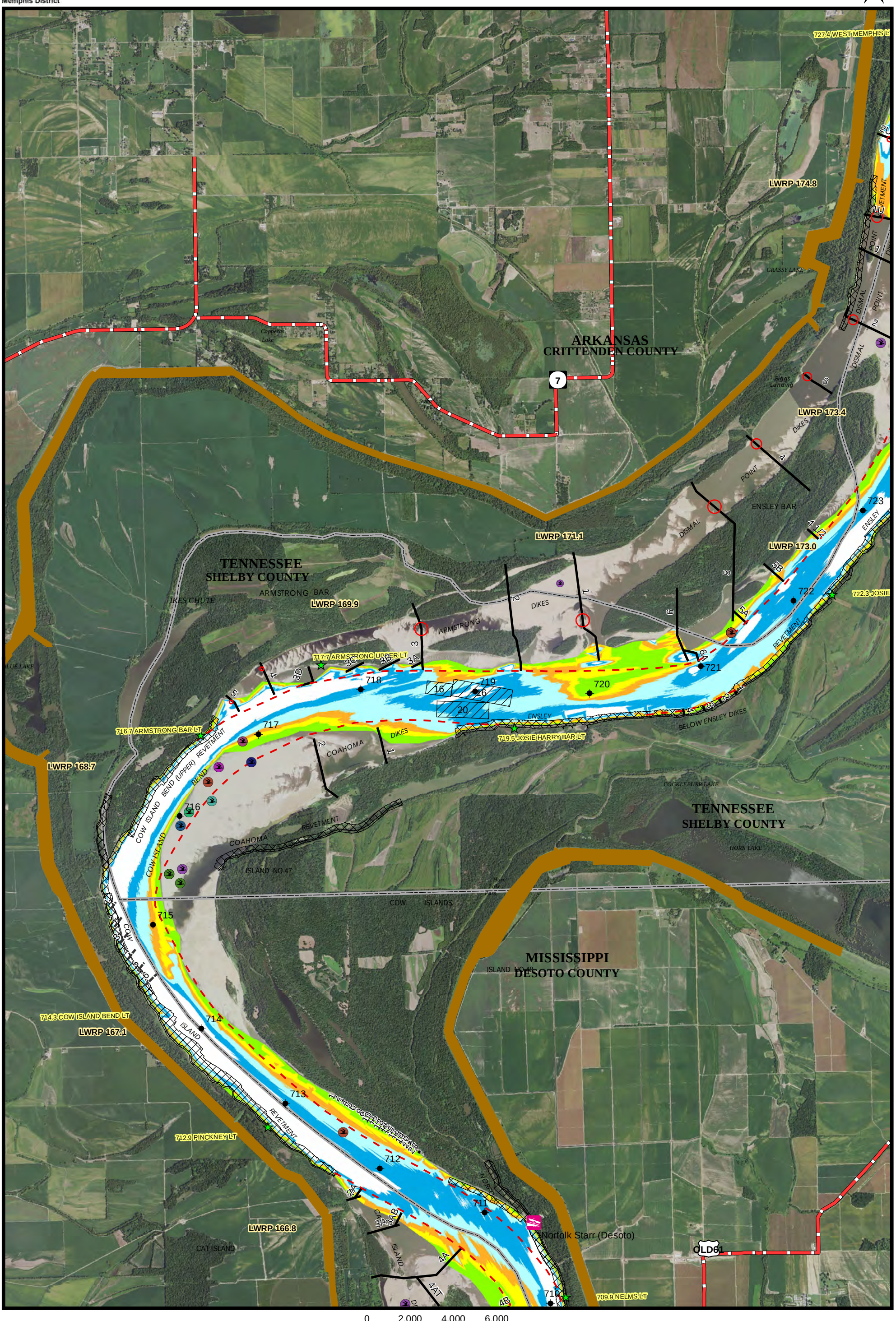
0 2,000 4,000 6,000 Feet

MAP NO. 23

US Army Corps of Engineers®
Memphis District

2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

N



0 2,000 4,000 6,000 Feet

RM 712 - 722

MAP NO. 24

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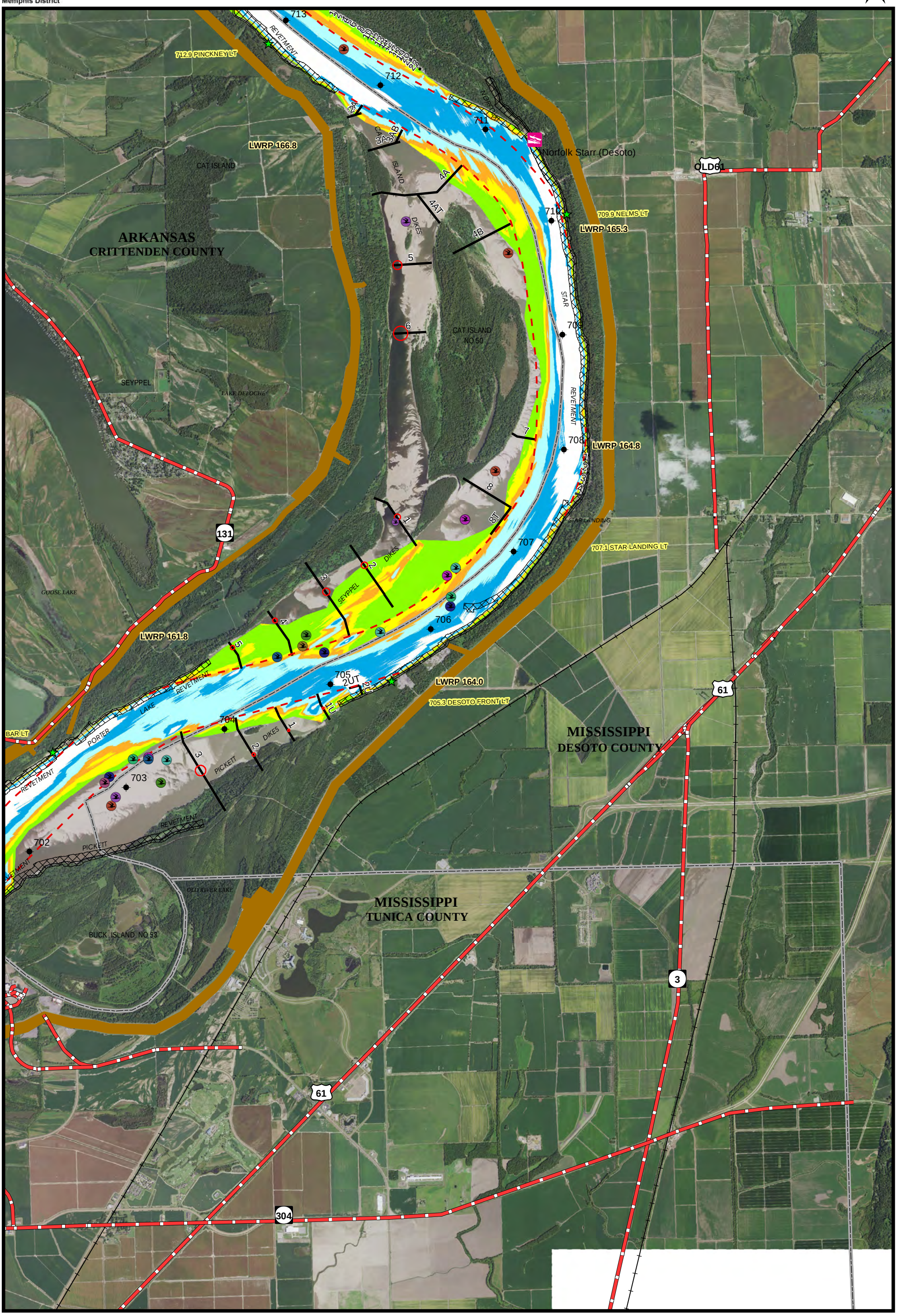
2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

N



RM 703 - 711

0 2,000 4,000 6,000 Feet

MAP NO. 25

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2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

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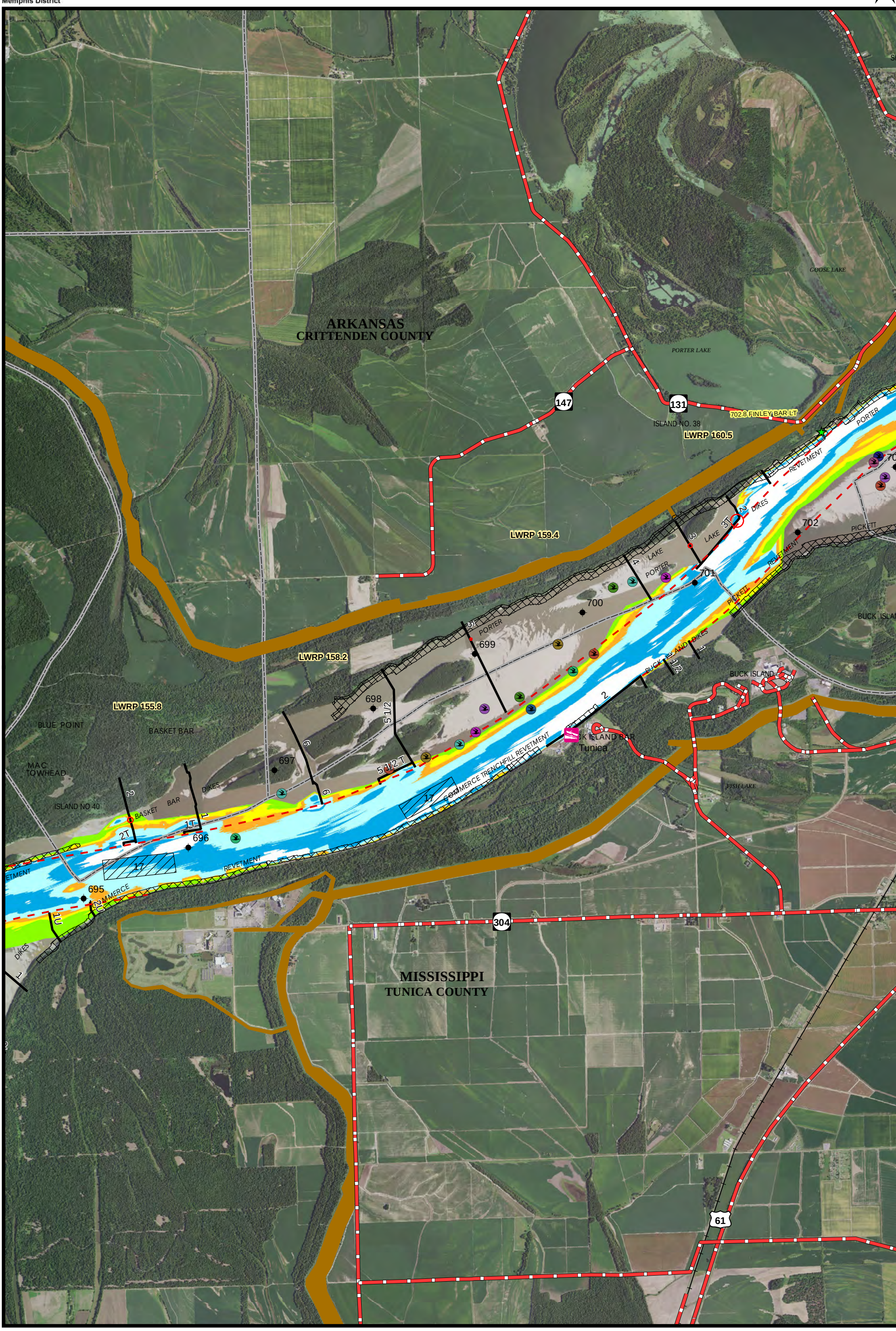

RM 695 - 702

0 2,000 4,000 6,000 Feet

MAP NO. 26

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2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

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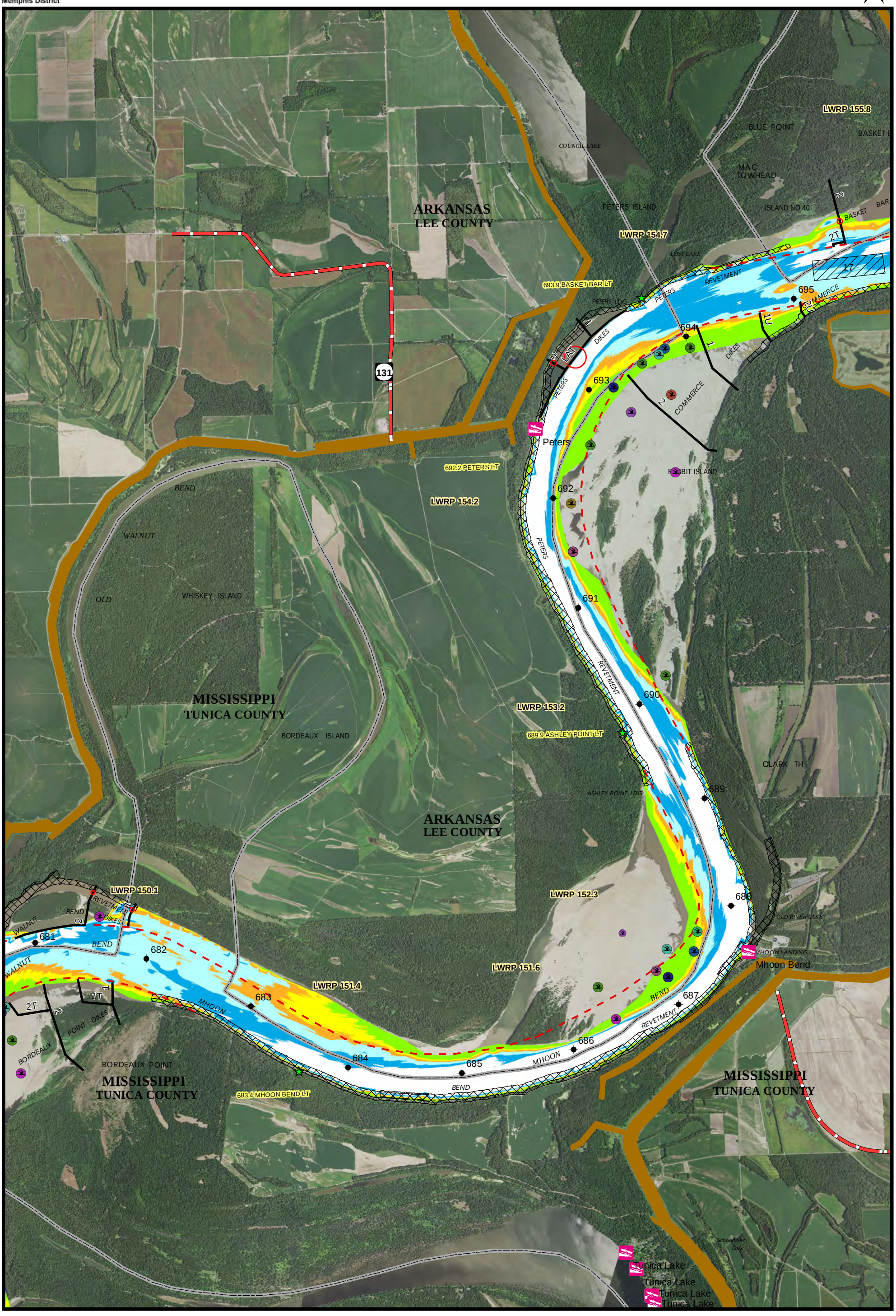

RM 682 - 695

0 2,000 4,000 6,000 Feet

MAP NO. 27

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2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

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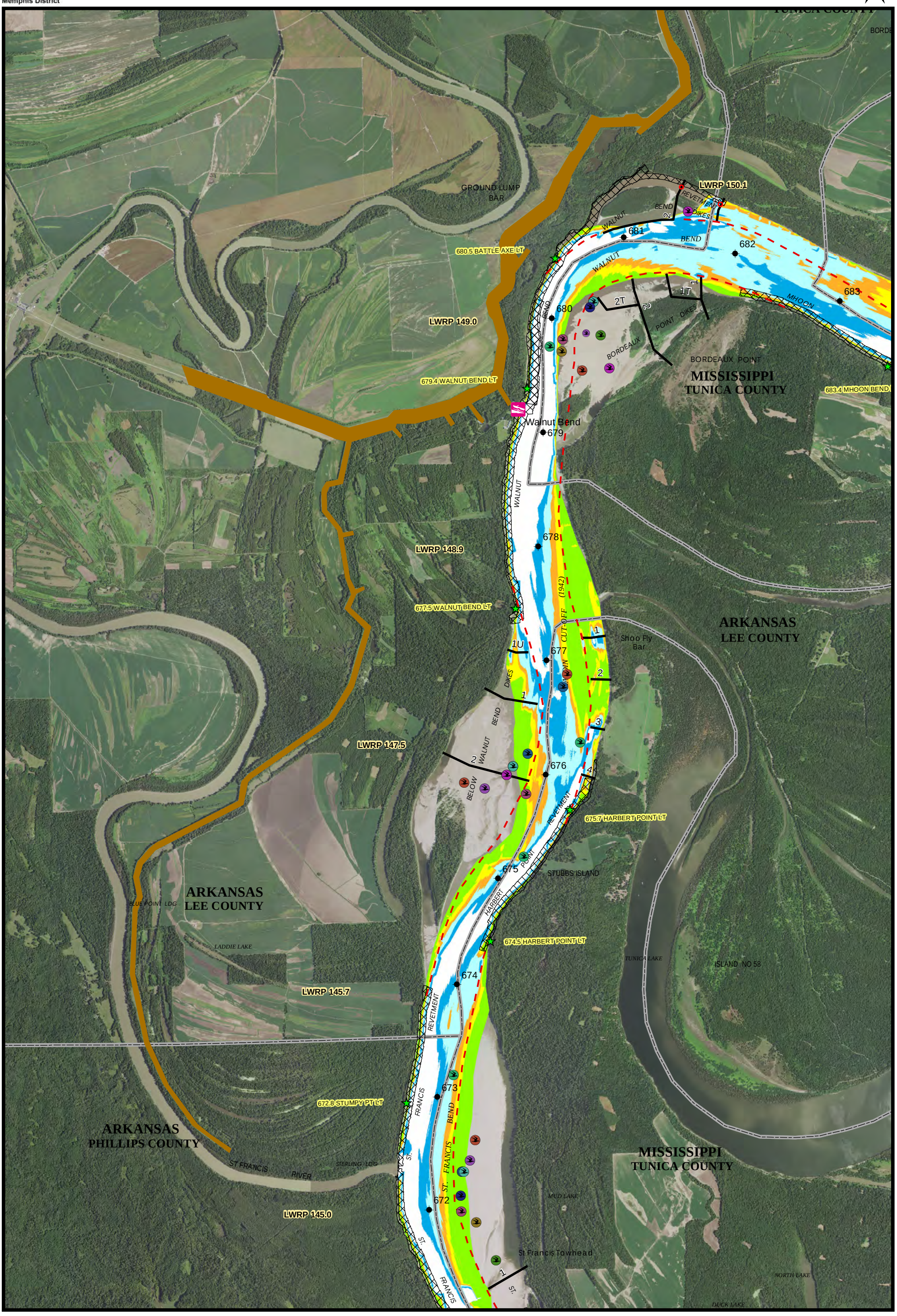

RM 673 - 682

0 2,000 4,000 6,000 Feet

MAP NO. 28

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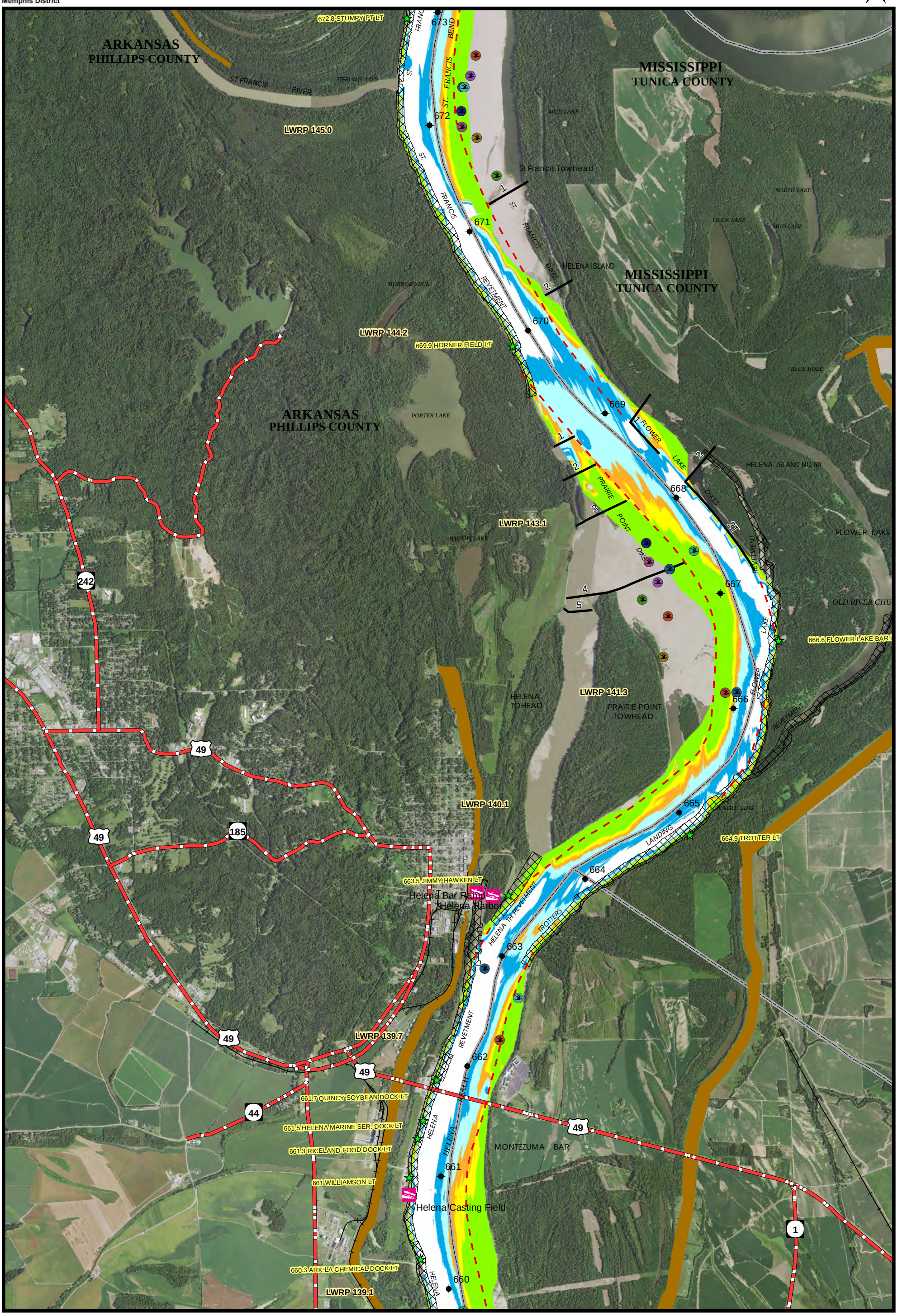
2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

N



RM 661 - 672

0 2,000 4,000 6,000 Feet

MAP NO. 29

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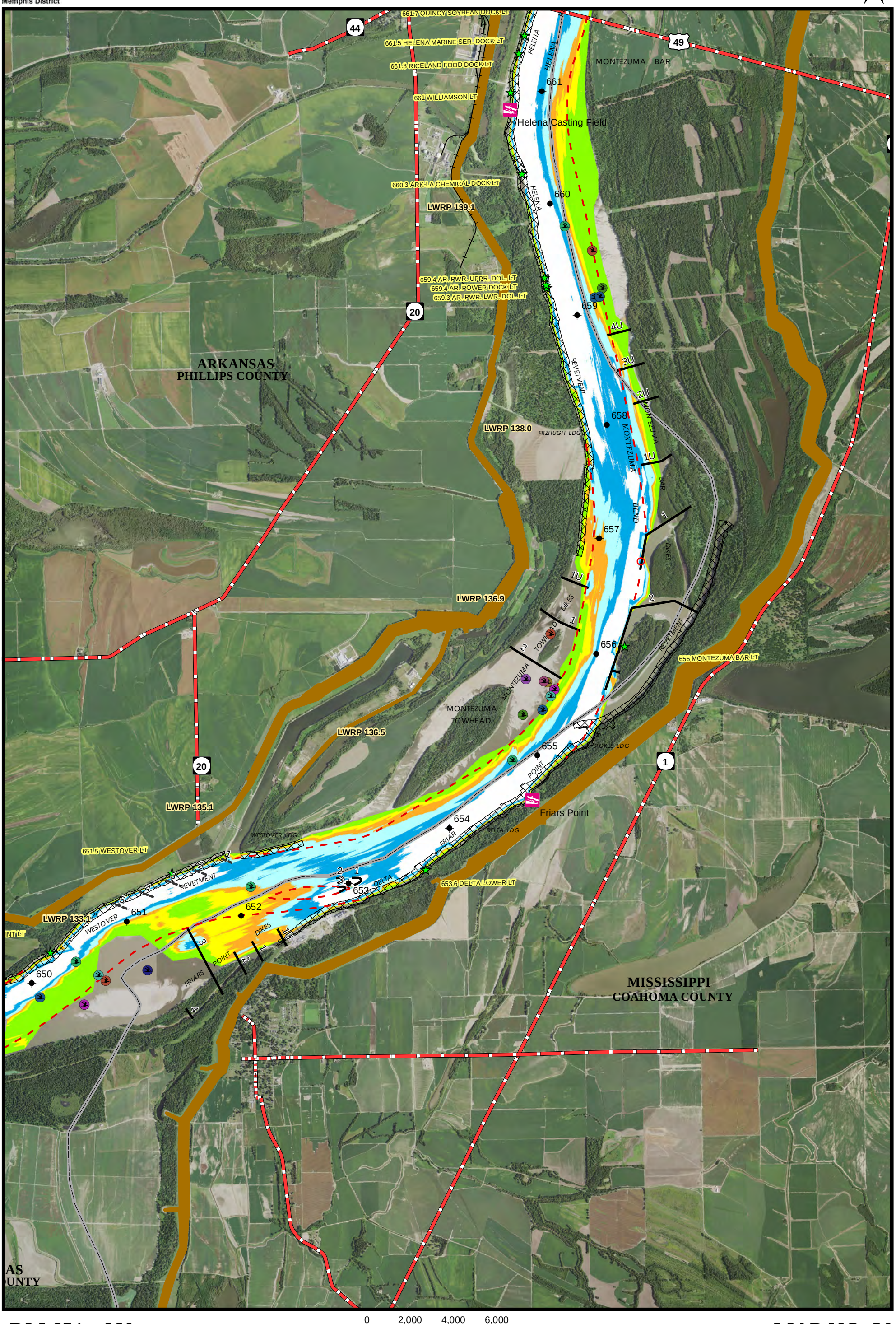
2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

N



0 2,000 4,000 6,000 Feet

RM 651 - 660

MAP NO. 30

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2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

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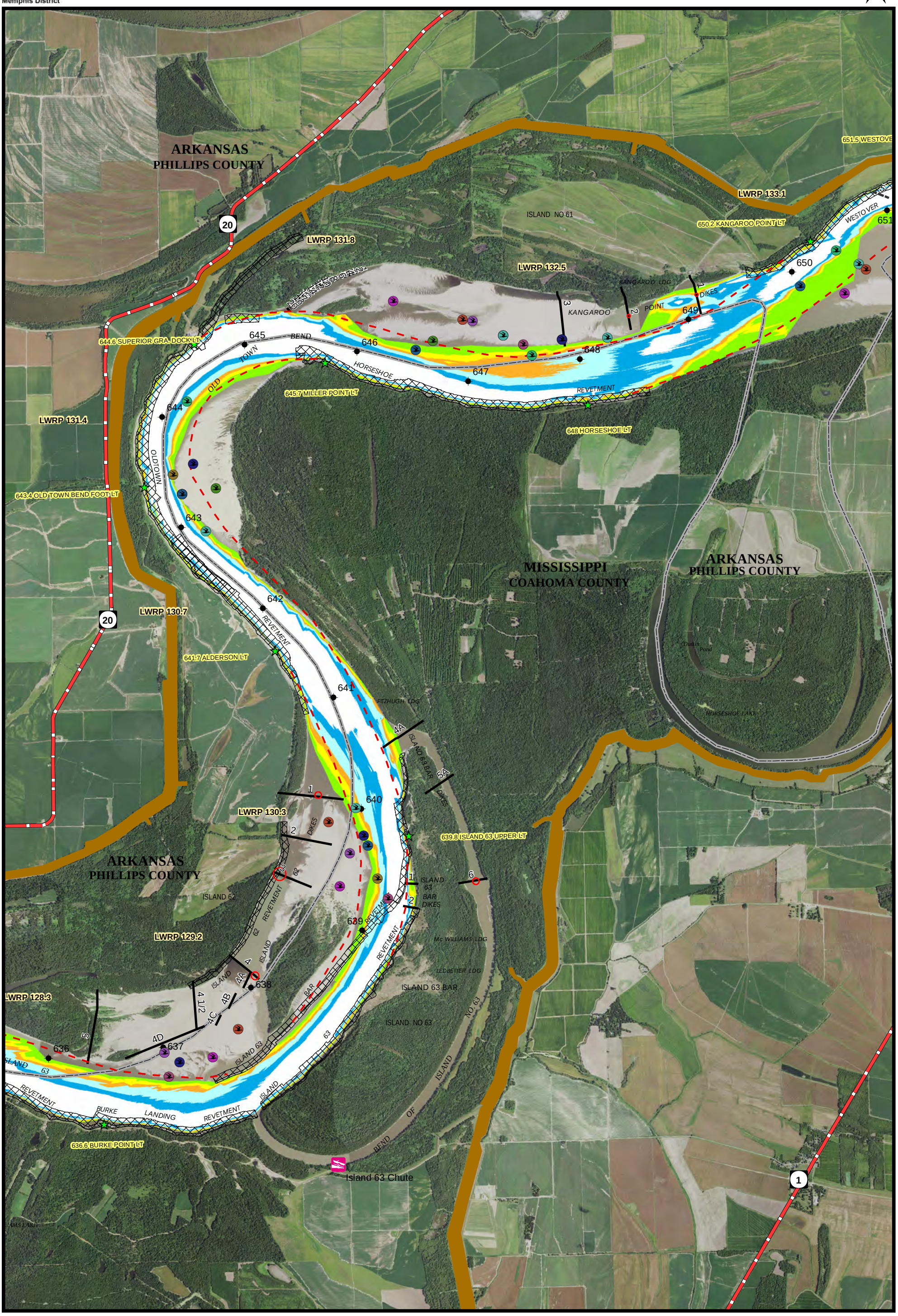

RM 637 - 650

0 2,000 4,000 6,000 Feet

MAP NO. 31

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2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

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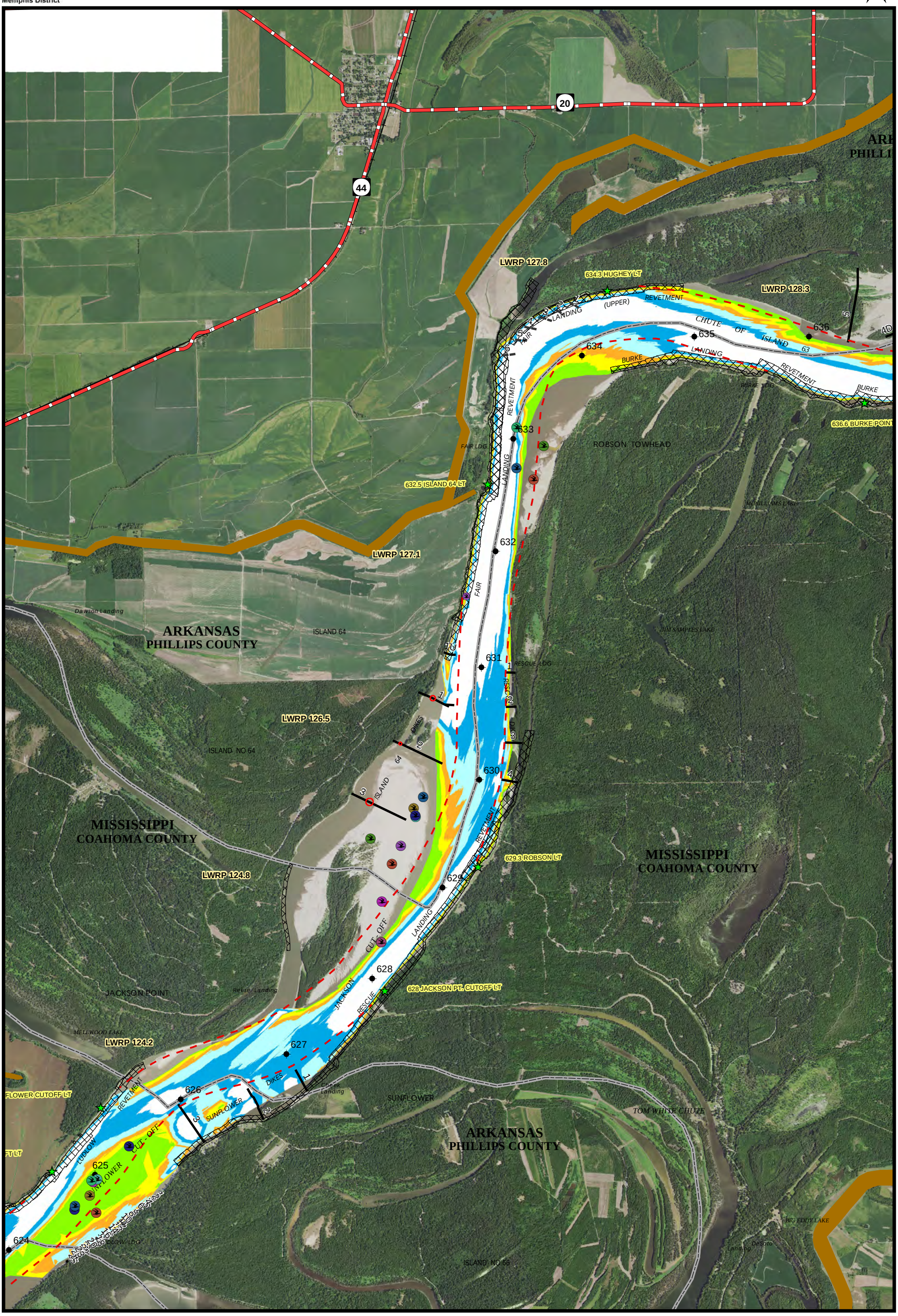

RM 625 - 636

0 2,000 4,000 6,000 Feet

MAP NO. 32

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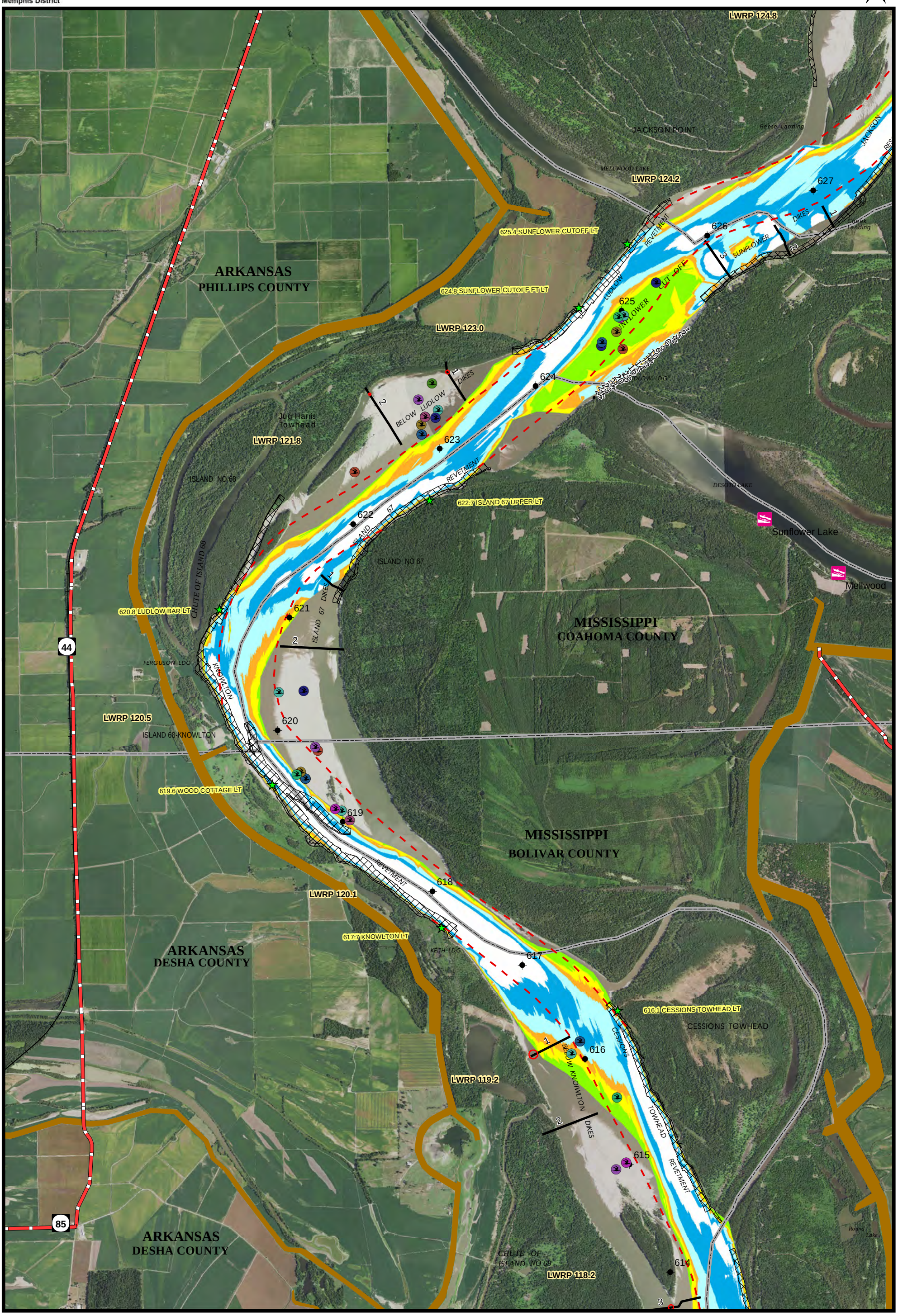
2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

N



RM 615 - 627

0 2,000 4,000 6,000 Feet

MAP NO. 33

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2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

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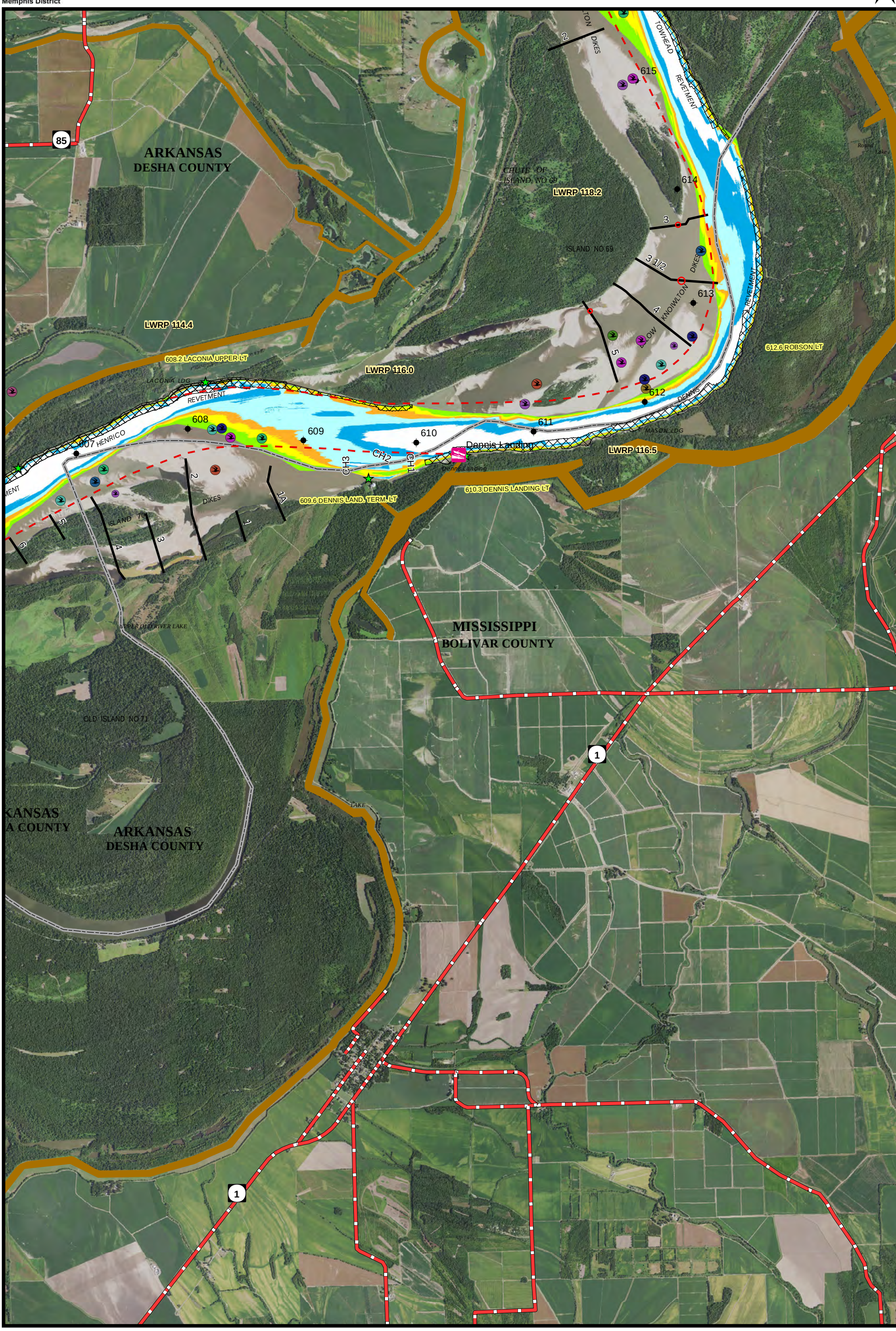

RM 607 - 614

0 2,000 4,000 6,000 Feet

MAP NO. 34

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2021 MEMPHIS CHANNEL IMPROVEMENT MASTERPLAN

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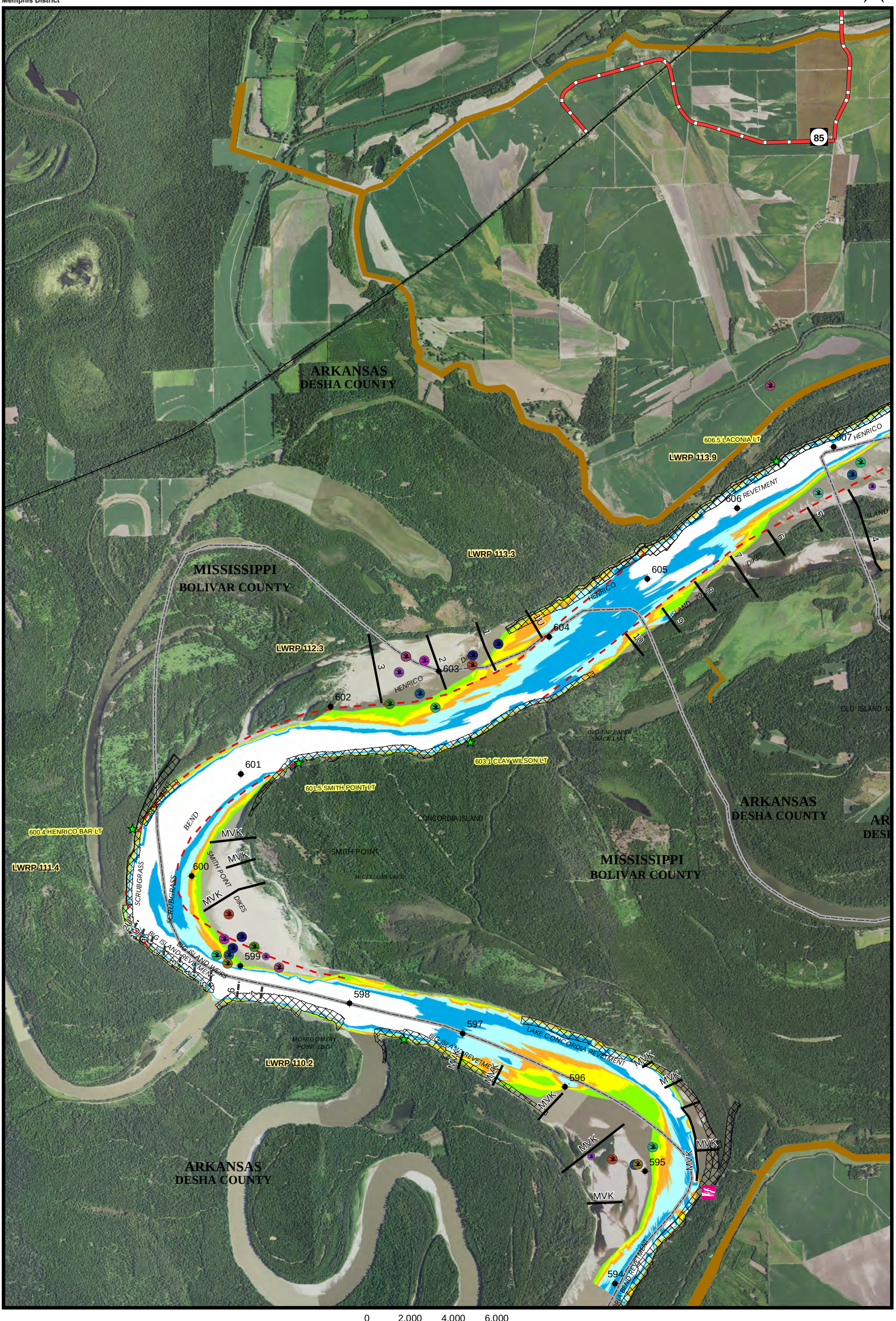

RM 598 - 606

0 2,000 4,000 6,000 Feet

MAP NO. 35