

DEPARTMENT OF THE ARMY
 Memphis District, Corps of Engineers
 B-202 Clifford Davis-Odell Horton Federal Building
 167 North Main Street
 Memphis, Tennessee 38103-1894

Navigation Bulletin No. 1 of 2019

28 August 2019

SPECIAL NOTICE

The elevations of dikes and other stone structures in the Memphis District shown below are **APPROXIMATE**. They are referenced to the nearest local gage based on low water slope (using the 2007 LWRP) between gage and structure locations. Actual elevations of dikes/structures may vary a few feet at the structure due to changes in river conditions and variations in river slopes at higher river stages and during rapidly changing river stages.

Pile clumps 200 to 300 feet apart extend above the dike elevations on many stone dikes.

For safety and prevention of damage to the dikes, navigators should not navigate over dikes at any stages. At all stages, drift is apt to lodge against the dikes and make navigation over them hazardous. Passage over this drift may cause damage to vessels and the dike, without the vessel actually striking the dikes. The dikes/stone structures could do severe damage to pleasure craft, towboats, and barges in the event of collision/allision.

Maps of the dike field and navigable channel are attached as prepared by the River Engineering Section of the Hydraulics and Hydrology Branch.

Locations and approximate elevations of the dikes are as follows:

Updated through 28 August 2019
 Based on 2007 LWRP

Updated through 28 August 2019

Based on 2007 LWRP

Dike Field Location	Map No.	Mile	Approximate Elevations Referred to Local Gage			
			Main Dike	Terminal Dike	Gage	Type
Island 1 KY	1	948L	27	15	Cairo	Stone & Pile
Pritchard MO	1 - 2	944R	26	15	Cairo	Stone & Pile
Campbell KY	2	942L	22	14	Cairo	Stone
Wolf Island MO	3	936L	35	30	Cairo	Stone
Moore Island KY-MO	3	929R	30	10	Cairo	Stone
Below Williams KY	3 - 4	926L	28	20	Cairo	Stone
Island 7-8 KY-MO	4 - 5	915R	34	25	Cairo	Stone
Donaldson Point MO	5 - 6	905R	30	21	Cairo	Stone
Below Island 9 TN	6	901L	18	13	New Madrid	Stone
Slough Landing KY	6 - 7	896L	8	8	New Madrid	Stone
Hotchkiss Bend MO	6 - 7	895R	18	7	New Madrid	Stone
Morrison Towhead MO	7	890R	26	26	New Madrid	Stone
New Madrid Bend MO	7	887R	12	12	New Madrid	Stone
Kentucky Point KY	7	887L	23	18	New Madrid	Stone
Island 11 MO	7	882R	17	9	New Madrid	Stone
Ruddles Point MO	8	874R	18	7	New Madrid	Stone & Pile
Stewart Towhead MO	8 - 9	871R	20	8	New Madrid	Stone & Pile
Below Cherokee TN	8 - 9	866L	18	15	New Madrid	Stone
Above Lee Towhead TN	9	859L	24	15	New Madrid	Stone
Hathaway TN	9 - 10	854L	30	30	Caruthersville	Stone & Pile
Robinson Bayou MO	9 - 10	853R	22	20	Caruthersville	Stone

Updated through 28 August 2019
Based on 2007 LWRP

Dike Field Location	Map No.	Mile	Approximate Elevations Referred to Local Gage			
			Main Dike	Terminal Dike	Gage	Type
Island 15 TN	9 - 10	851L	23	17	Caruthersville	Stone
Sandy Hook TN	10	850R	27	19	Caruthersville	Stone
Opposite Caruthersville TN	10	846L	25	25	Caruthersville	Stone
Caruthersville - Linwood Bend MO	10 - 11	844R	21	8	Caruthersville	Stone
Blaker Towhead TN	11	842L	24	19	Caruthersville	Stone
Tennemo TN	11	841L	25	19	Caruthersville	Stone
Island 18 TN	11	837L	25	15	Caruthersville	Stone
Island 20 MO-TN	11 - 12	831R	24	16	Caruthersville	Stone & Pile
Head of Island 21 TN	12 - 13	829L	28	18	Caruthersville	Stone & Pile
Island 21 Chute TN	12 - 13	824L	28	20	Caruthersville	Stone
Wrights Point AR	13	821R	26	11	Caruthersville	Stone & Pile
Below Tamm Bend TN	13 - 14	813L	30	14	Caruthersville	Stone
Barfield Bendway Weirs AR	13-14	812R	-32	-32	Caruthersville	Stone
Nebraska Point TN	14	808L	22	18	Caruthersville	Stone
Island 25 AR	14	804R	19	5	Caruthersville	Stone
Bend of Island 25 Bendway Weirs TN	14	803L	-38	-38	Caruthersville	Stone
Forked Deer TN	14 - 15	798L	23	15	Caruthersville	Stone
Ashport-Golddust AR-TN	15 - 16	795R	27	8	Caruthersville	Stone & Pile
Kate Aubrey TN	16	791R	22	8	Caruthersville	Stone & Pile
Keyes Point TN	16	790L	28	17	Caruthersville	Stone
Island 30 TN	16	787R	20	20	Caruthersville	Stone
Plum Point TN	16	784L	22	20	Caruthersville	Stone
Lower Bullerton AR	16	781R	14	2	Caruthersville	Stone
Driver Bar Bendway Weirs TN	16 - 17	780L	-29	-29	Caruthersville	Stone
Sunrise Towhead AR	17	774R	3	-7	Memphis	Stone
Hatchie Towhead TN	17	773L	3	3	Memphis	Stone
Randolph TN	17	772L	18	18	Memphis	Stone
Lookout TN-AR	17	771R	17	15	Memphis	Stone & Pile
Below Richardson Ldg TN	18	767L	13	11	Memphis	Stone
Reverie Bendway Weirs TN	18	766R	-47	-52	Memphis	Stone
Cedar Point TN	18 - 19	759L	15	13	Memphis	Stone
Densford TN	19	757L	14	3	Memphis	Stone & Pile
Corona Bar TN-AR	19	754R	12	7	Memphis	Stone
Shelby Forest TN	19 - 20	751L	7	7	Memphis	Stone
Poker Point AR	20	748R	14	11	Memphis	Stone & Pile
Randolph Point TN	20	747L	13	12	Memphis	Stone & Pile
Redman Point AR	20 - 21	743R	14	14	Memphis	Stone & Pile
Above Loosahatchie TN	20 - 21	742L	16	8	Memphis	Stone
Sycamore Chute AR	21	741R	16	10	Memphis	Stone
Robinson Crusoe TN	21	740R	15	12	Memphis	Stone
Loosahatchie Bar TN	21	739R	14	4	Memphis	Stone & Pile
Hopefield Point AR	21	737R	13	-2	Memphis	Stone
Memphis Front TN	21	736L	40	40	Memphis	Stone
Engineers Bar AR	21	734R	13	0	Memphis	Stone
Dismal Point AR	22 - 23	724R	17	10	Memphis	Stone & Pile
Below Ensley TN	22 - 23	720L	11	11	Memphis	Stone
Armstrong AR-TN	22 - 23	720R	15	15	Memphis	Stone & Pile
Coahoma TN	23	718L	15	7	Memphis	Stone
Cow Island Bendway Weirs AR	23	715R	-37	-37	Memphis	Stone
Cat Island AR	23 -24	710L	20	20	Memphis	Stone & Pile
Norfolk Star MS	24	708L	10	10	Memphis	Stone

Updated through 28 August 2019
Based on 2007 LWRP

Dike Field Location	Map No.	Mile	Approximate Elevations Referred to Local Gage			
			Main Dike	Terminal Dike	Gage	Type
Seyppel AR	24	706R	11	11	Memphis	Stone & Pile
Pickett MS	24	704L	19	19	Memphis	Stone & Pile
Porter Lake AR	24 - 25	701R	25	3	Memphis	Stone
Buck Island MS	24	700L	18	18	Memphis	Stone
Basket Bar MS	25	696R	16	6	Memphis	Stone & Pile
Commerce MS	25	694L	19	8	Memphis	Stone
Peters AR	25	693R	14	13	Memphis	Stone
Bordeaux Pt. MS	26 - 27	681L	32	32	Helena	Stone
Walnut Bend AR	26 - 27	681R	18	18	Helena	Stone
Shoofly Bar MS	27	677L	11	11	Helena	Stone
Below Walnut Bend AR	27	676R	19	9	Helena	Stone
St. Francis Towhead MS	28	671L	20	10	Helena	Stone
Flower Lake MS	28	669L	21	21	Helena	Stone
Prairie Pt. AR	28	668R	20	9	Helena	Stone & Pile
Montezuma Bar MS	29	657L	23	18	Helena	Stone
Montezuma Towhead AR	29	656R	22	11	Helena	Stone
Friars Pt. Chevrons MS	30	653L	14	14	Helena	Stone
Westover Bendway Weirs AR	30	652R	-29	-29	Helena	Stone
Friars Pt. MS	30	652L	23	9	Helena	Stone & Pile
Kangaroo Pt. AR	30 - 31	649R	22	12	Helena	Stone
Island 63 MS	31	640L	22	10	Helena	Stone & Pile
Island 63 Bar MS	31	639L	32	20	Helena	Stone
Island 62 AR	31	638R	26	14	Helena	Stone & Pile
Fair Landing Bendway Weirs AR	32	634R	-26	-26	Helena	Stone
Rescue Ldg MS	32	631L	14	14	Helena	Stone
Island 64 AR	32	630R	17	9	Helena	Stone & Pile
Sunflower AR	32	626L	18	8	Helena	Stone
Below Ludlow AR	33	623R	23	16	Helena	Stone
Island 67 MS	33	621L	17	17	Helena	Stone
Below Knowlton AR	33 - 34	616R	23	13	Helena	Stone
Henrico AR	35	603R	19	10	Helena	Stone
Big Island Bendway Weirs AR	35	599R	-24	-24	Helena	Stone

NOTE: Island 70 Dikes & Chevrons, Smith Point Dikes, and Victoria Bend Dikes and Bendway Weirs shown on maps 34 and 35 are in the Vicksburg District. Approximate elevations for these structures can be found on the Vicksburg District Dike Chart located at <http://www.mvk.usace.army.mil/Missions/OperationsDivision/RiverOperations.aspx>

SPECIAL NOTICE

For the information and guidance of all navigation interests, the following is quoted from the Navigation Regulations Governing the Use of Navigable Waters of the United States, Code of Federal Regulations, Title 33, Part 207, Navigation Regulations:

"207.200 Mississippi River below mouth of Ohio River, including South and Southwest Passes; use, administration, and navigation.

(a) *Mississippi River bank protection works provided by United States.* Except in case of great emergency, no vessel or craft shall anchor over revetted banks of the river, and no floating plant other than launches and similar small craft shall land against banks protected by revetment except at regular commercial landings. In all cases, every precaution to avoid damage to the revetment works shall be exercised. The construction of log rafts along matted or paved banks or the tying up and landing of log rafts against such banks shall be performed in such a manner as to cause no damage to the mattress work or bank paving. Generally, mattress work extends out into the river 600 feet from the low water line. Information as to the location of revetted areas may be obtained from, and will be published from time to time by the District Engineers, Corps of Engineers, New Orleans, Louisiana, Vicksburg, Mississippi, and Memphis, Tennessee, and the President, Mississippi River Commission, Vicksburg, Mississippi."

The following are the locations of effective revetments in the Memphis District:

<u>Revetment</u>	<u>Miles</u>
	<u>Ohio River</u>
Cache-Cairo IL	975.5 - 981.1 R
	<u>Mississippi River</u>
	<u>Above Head of Passes</u>
Wickliffe KY	954.1 - 951.2 L
Mayfield Creek KY	950.6 - 949.0 L
Pritchard MO	948.7 - 945.8 R
Campbell KY	943.8 - 942.5 L
Island 3 & 4 KY	942.5 - 939.0 R
Belmont MO	938.8 - 937.5 R
Columbus KY	937.3 - 936.0 L
Wolf Island KY	935.5 - 930.8 R
Williams KY	928.4 - 926.5 L
Beckwith Bend MO	926.3 - 922.7 R
Hickman Bar KY	922.2 - 921.6 L
Hickman - Reelfoot KY	922.3 - 914.2 L
Bend of Island 8 KY	916.1 - 910.1 R (CH)
Island 8 KY	915.0 - 911.6 R
Chute of Island 8 KY	913.0 - 910.9 L
Milton Bell MO	910.1 - 907.4 R
Island 9 KY-TN	907.8 - 901.8 L
Winchester Towhead MO	900.6 - 899.2 R
Slough Landing Neck KY-TN	900.1 - 893.8 L
La Forge MO	893.1 - 889.6 R
New Madrid Bar KY	888.6 - 886.1 R
Kentucky Point KY	887.7 - 885.9 L

Revetment

New Madrid Front MO
New Madrid Bend MO
Toneys Towhead KY-TN
Below Toneys Towhead TN
Linda MO
Merriwether - Cherokee TN
Little Cypress MO
Above Lee Towhead TN
Lee Towhead MO
Fritz Landing TN
Robinson Bayou MO
Gayoso - Caruthersville MO
Blaker Towhead TN
Bells Point MO
Linwood Bend TN
Island 18 MO

Heloise TN
Huffman - Hickman AR-TN
Obion Tamm TN
Barfield AR
Island 25 TN
Bend of Island 25 TN
Island 26 TN
Ashport - Keys Point TN
Kate Aubrey Towhead - Island 30 TN
Lower Bullerton AR
Driver Bar AR - TN
Sunrise Towhead TN
Lookout TN
Lookout Bar TN
Richardson Landing TN
Chute of Island 35 TN
Cedar Point - Densford TN
Dean Island AR
Shelby Forest TN
Brandywine TN-AR
Island 40 TN-AR
Loosahatchie Bar TN
Loosahatchie - Memphis TN
Hopefield Point AR-TN

Tennessee Chute TN
Presidents Island TN

Miles

889.2 - 888.2 R
887.6 - 882.9 R
882.9 - 880.6 L
881.6 - 878.1 L
879.5 - 875.1 R
874.3 - 866.8 L
866.1 - 859.7 R
860.3 - 859.5 L
859.3 - 857.6 L (CH)
857.5 - 854.7 L
853.8 - 850.2 R
849.8 - 846.0 R
846.0 - 842.5 L
844.5 - 843.4 R
841.3 - 838.7 L
838.6 - 832.7 R and
839.2 - 838.9 R
833.0 - 829.3 L
828.1 - 822.8 R
823.0 - 813.3 L
813.9 - 805.4 R
804.8 - 803.7 L
804.2 - 800.7 L
800.0 - 797.1 R
796.6 - 789.0 L
789.9 - 784.9 R
784.6 - 780.1 R
780.4 - 779.1 L
777.1 - 773.9 R
773.9 - 772.8 R
772.0 - 771.8 R
769.1 - 768.7 L
767.2 - 762.2 R
761.2 - 757.7 L
756.4 - 755.2 R
753.3 - 751.4 L
753.2 - 749.8 R
747.4 - 741.3 R
740.2 - 739.8 R
740.4 - 734.8 L
737.1 - 736.0 R and
735.6 - 734.8 R
7.7 - 6.3 L McKellar
733.6 - 731.3 L

<u>Revetment</u>	<u>Miles</u>
Bauxippi - Wyanoke AR	731.3 - 727.4 R
Ensley TN	726.8 - 718.8 L
Coahoma TN	718.3 - 715.8 L
Cow Island Bend TN (Upper)	716.9 - 715.7 R
Cow Island Bend AR	716.0 - 712.3 R
Norfolk - Star MS	711.3 - 704.9 L
Seyppel AR	708.0 - 707.0 R
Pickett MS-AR	703.5 - 701.1 L
Porter Lake AR	704.2 - 697.7 R
Commerce MS	699.9 - 694.4 L
Peters AR	695.2 - 689.3 R
Mhoon Bend MS	689.3 - 682.2 L
Walnut Bend AR	681.8 - 677.3 R
Harbert Point MS	676.1 - 674.4 L
St. Francis AR	674.0 - 669.5 R
Flower Lake MS	668.2 - 665.6 L
Trotters Landing MS	665.6 - 663.0 L
Helena Towhead AR	663.7 - 663.1 R
Helena AR	663.5 - 656.8 R
Delta - Friars Point MS	657.3 - 652.2 L
Westover AR	652.1 - 649.6 R
Horseshoe MS	648.5 - 645.5 L
Oldtown Bend AR	645.2 - 641.3 R
Island 63 Bar MS	640.5 - 637.3 L
Island 63 MS	639.3 - 637.5 L
Island 62 AR	639.8 - 637.5 R
Burke Landing MS	637.5 - 634.2 L
Fair Landing Upper AR	634.9 - 634.0 R
Fair Landing AR	634.3 - 631.0 R
Rescue Landing MS-AR	630.5 - 625.6 L
Ludlow AR	625.9 - 624.0 R
Island 67 MS	623.1 - 621.3 L
Island 68 Bar AR	621.8 - 620.8 R
Knowlton AR	620.5 - 617.6 R
Cessions Towhead AR	616.3 - 614.5 L
Henrico AR	610.0 - 603.7 R
Scrubgrass Bend AR	600.5 - 599.9 R
Big Island AR	599.8 - 598.0 R

NOTE: Dennis, Smith Point, Lake Concordia, and Victoria Bend Revetments are in the Vicksburg District.

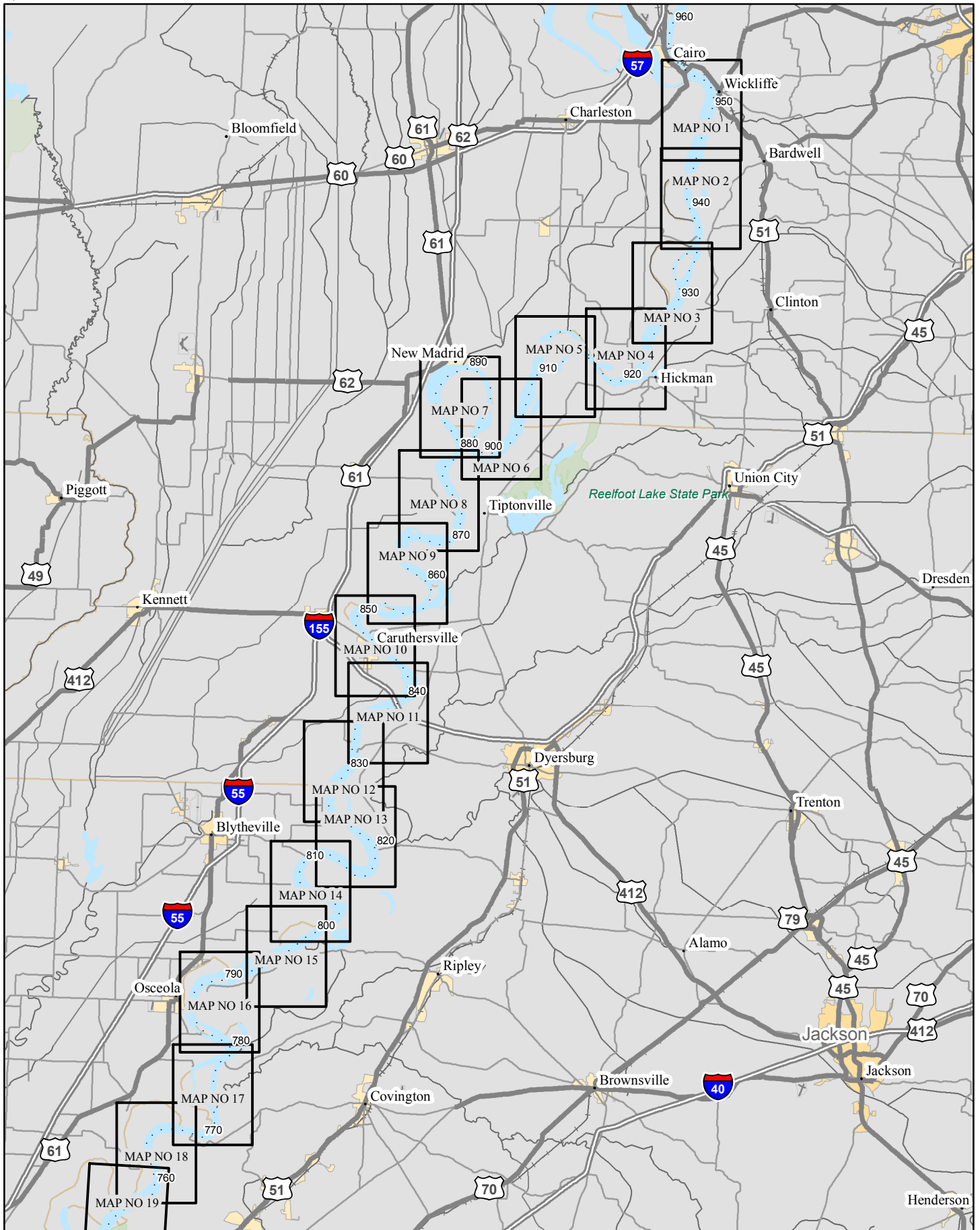
Dennis MS	614.1 - 610.0 L
Smith - Point MS	604.2 - 600.7 L
Lake Concordia MS	596.8 - 595.0 L
Victoria Bend MS	595.3 - 592.1 L

The information contained in this publication is based on the latest current information available and is hereby ready for issuance.



Michael B. Clay
Chief, Hydraulics and Hydrology Branch
Memphis District

NAVIGATION BULLETIN

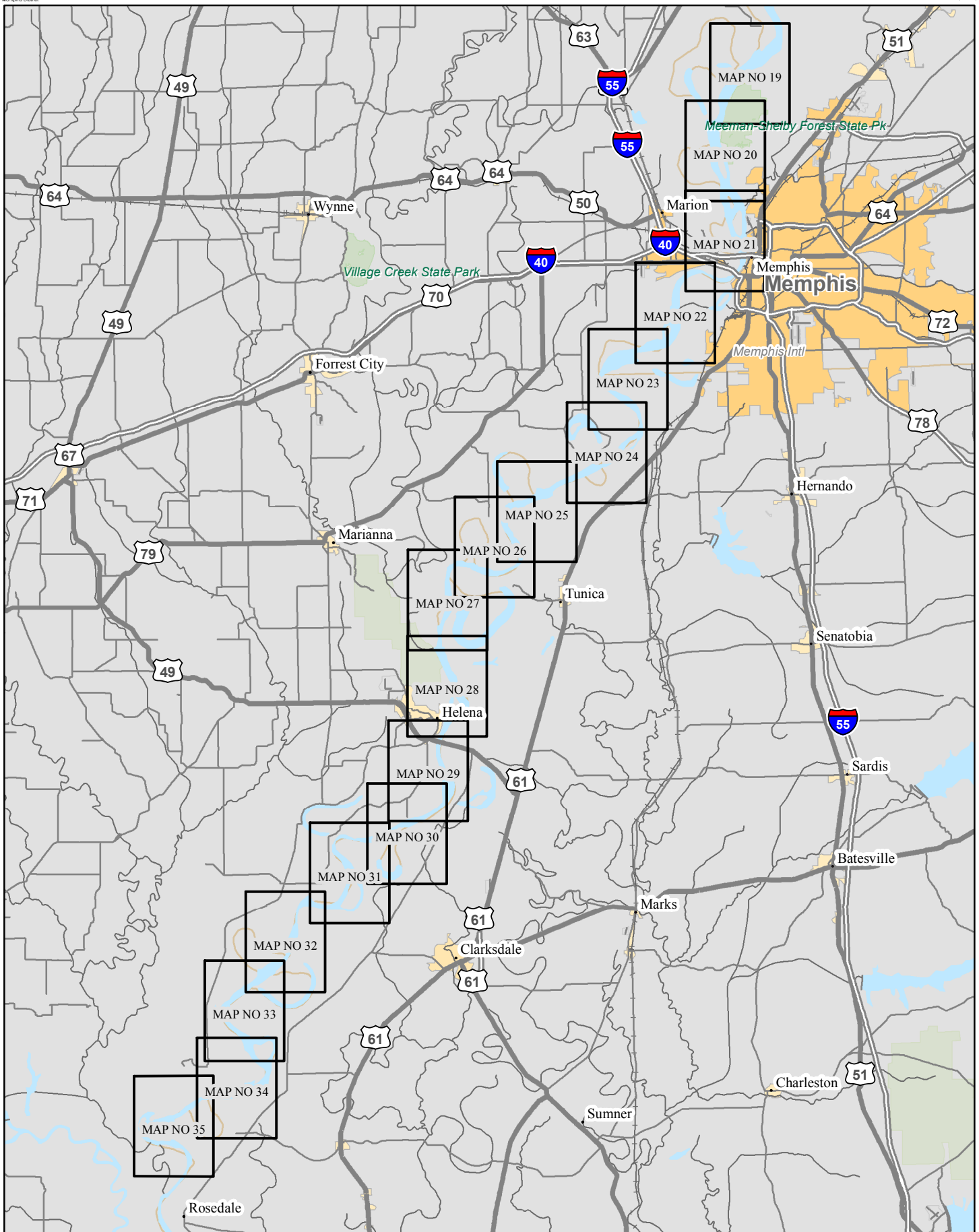


RM 956-758

0 2.5 5 10 15 20 Miles

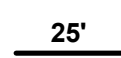
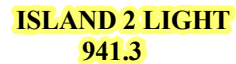
INDEX NO 1

NAVIGATION BULLETIN



Legend

-  Dike
-  Weir
-  Marine Navigation Light
-  Marine Nav Light Discontinued
-  Marine Navigation Beacon
-  Boat Ramps
-  River Mile
-  Revetments & Stone Paving
-  Dual Highway
-  Primary/Secondary Highway
-  * Typical Navigation Channel
-  High Water Area
-  Land Vegetation Area
-  Island Area

-  25' = Approx. Dike Elev.
Referred to Local Gage
-  **ISLAND 2 LIGHT**
941.3 = Light name & River Mile
-  **NORFOLK LT** = Discontinued Light Name
-  **BARKER DB** = Left Bank Day Beacon
-  **HOWARD DB** = Right Bank Day Beacon
-  **CAMPBELL DIKES**
Cairo = Dike Field & Local Gage
-  **#2** = Dike Name

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 existing at the time.

Projection Information

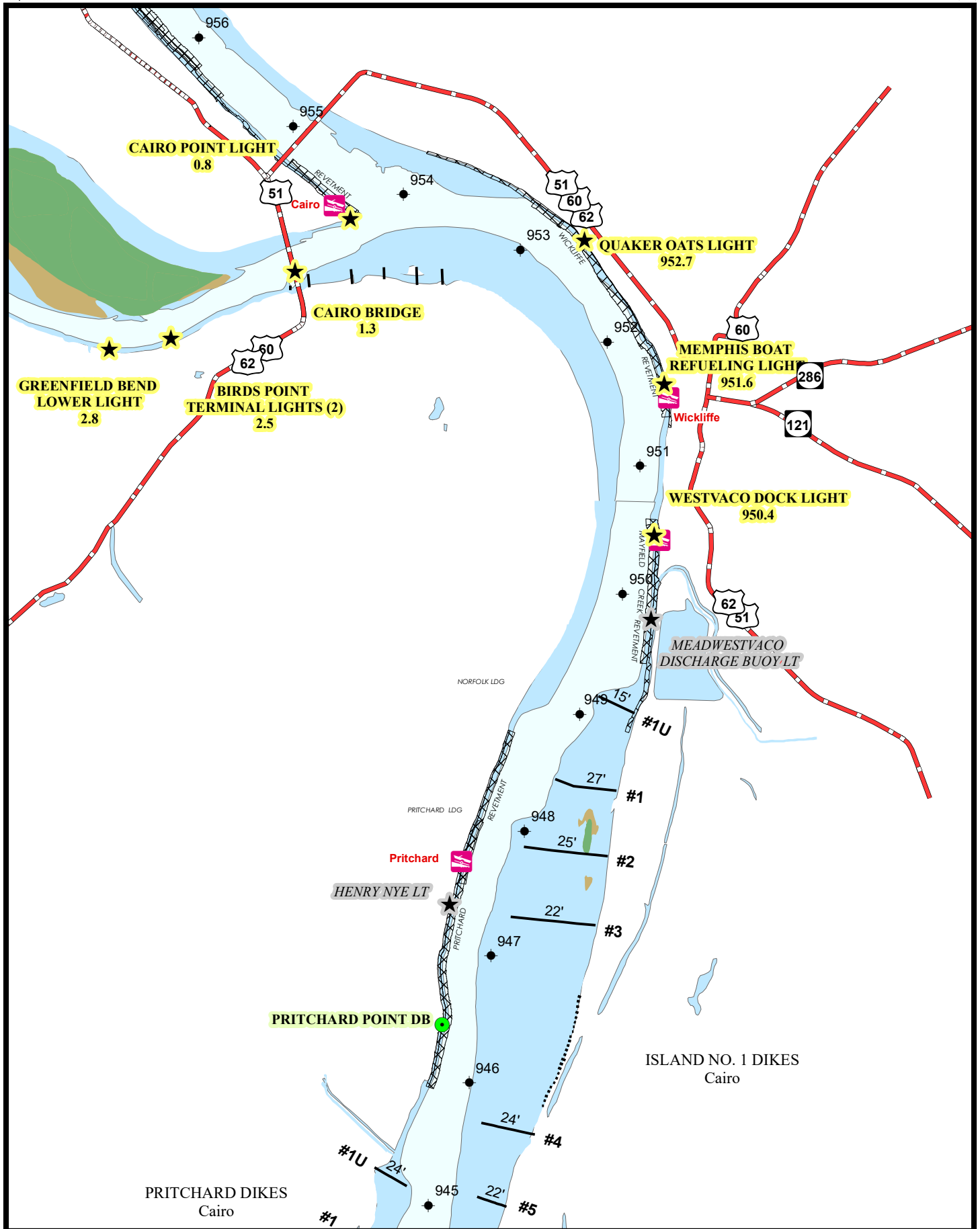
Projection Coordinate System:
NAD_1983_UTM_Zone_15 and Zone_16
Projection: Transverse_Mercator
Linear Unit: Foot_US

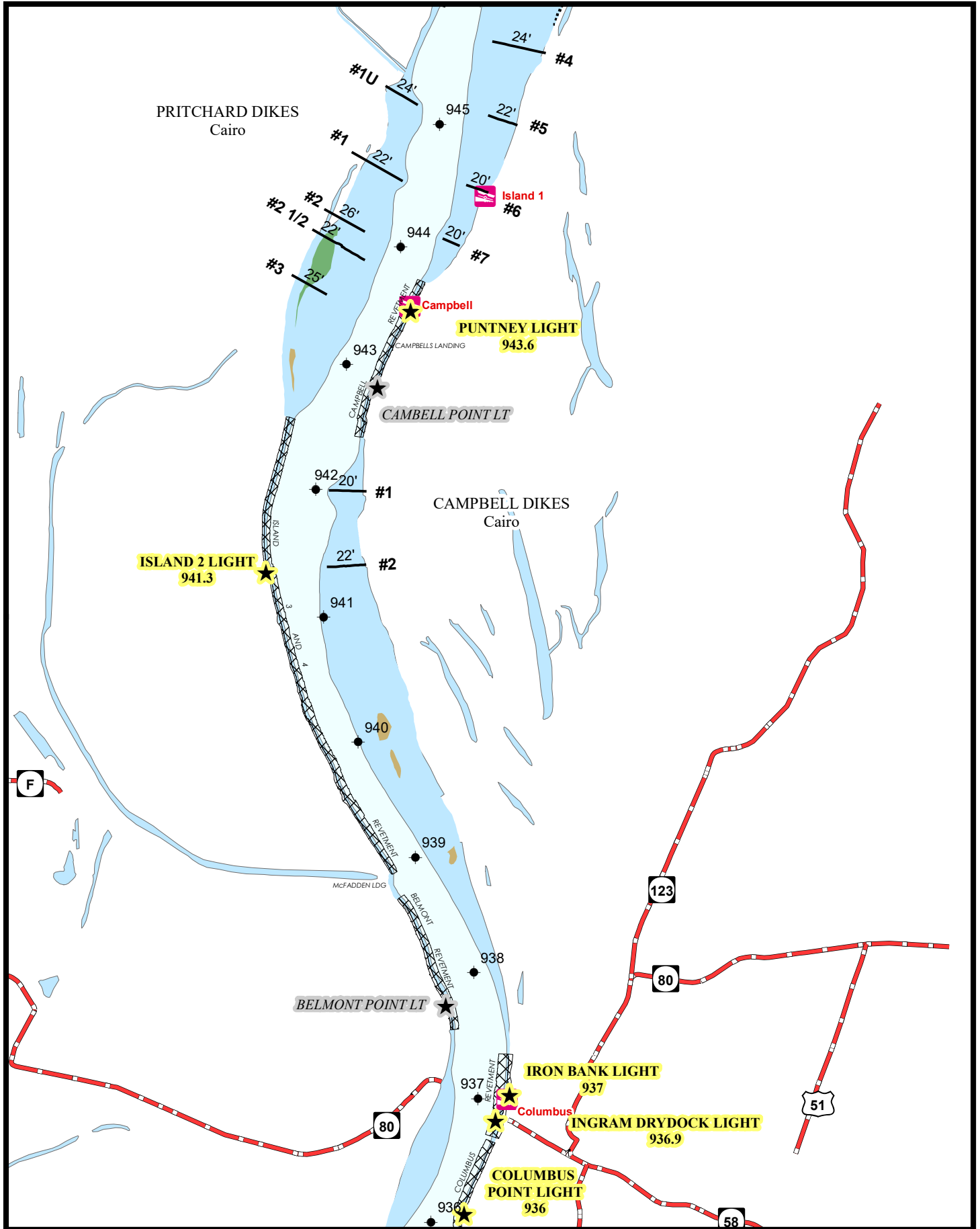
Scale

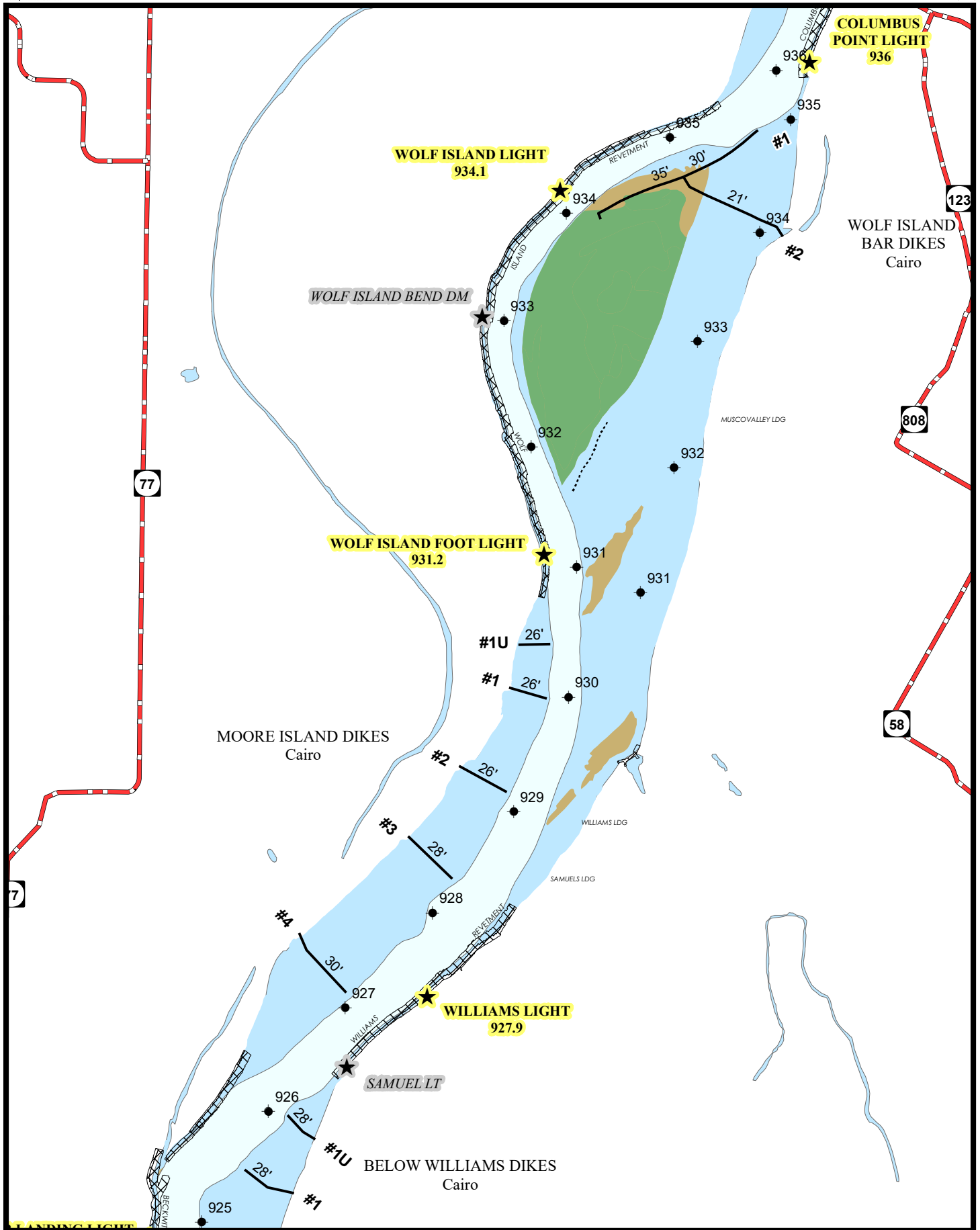
Mapping Scale - 1:63,360
Equivalent Scale - 1 inch = 5,280 feet

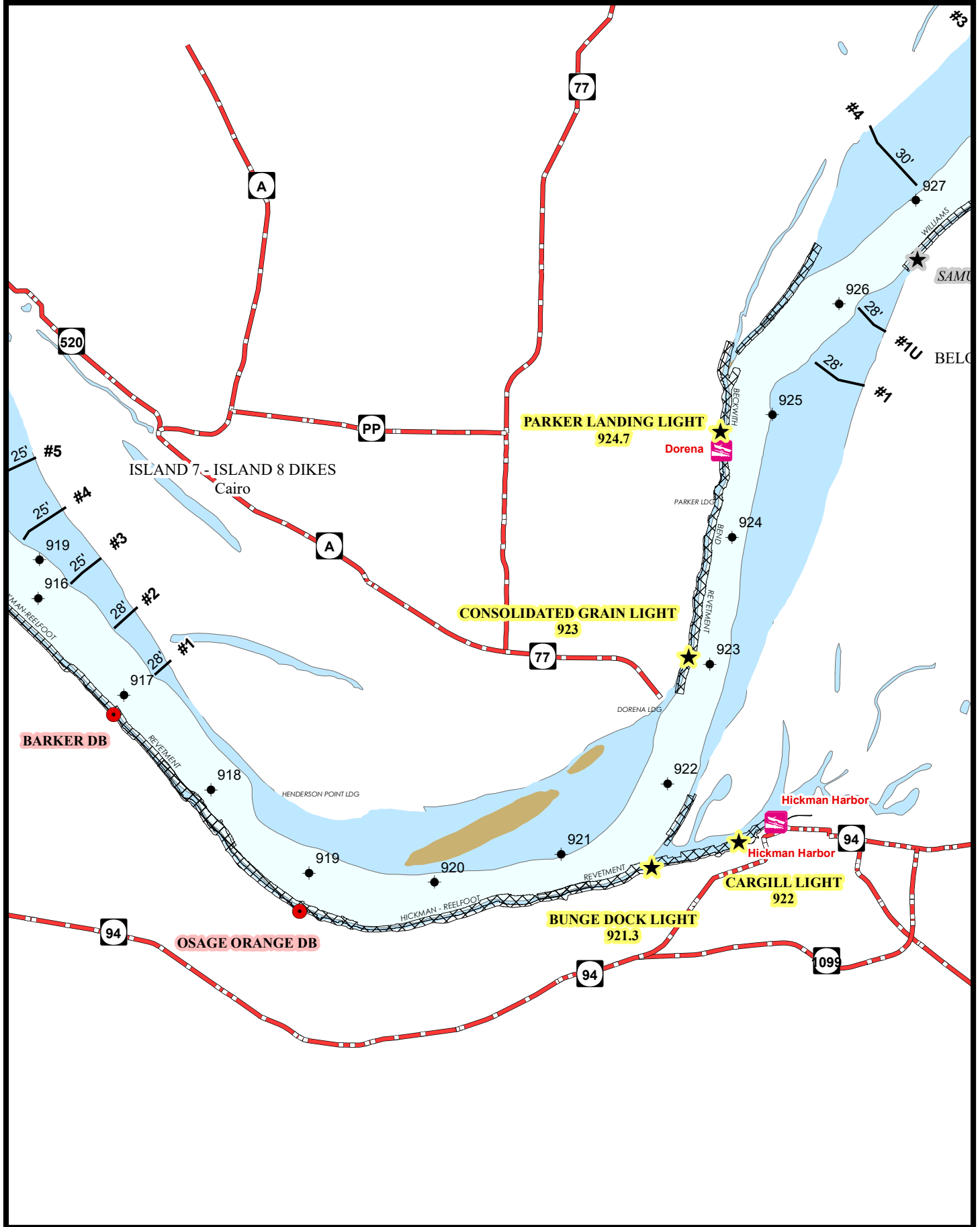
* Typical Navigation Channel

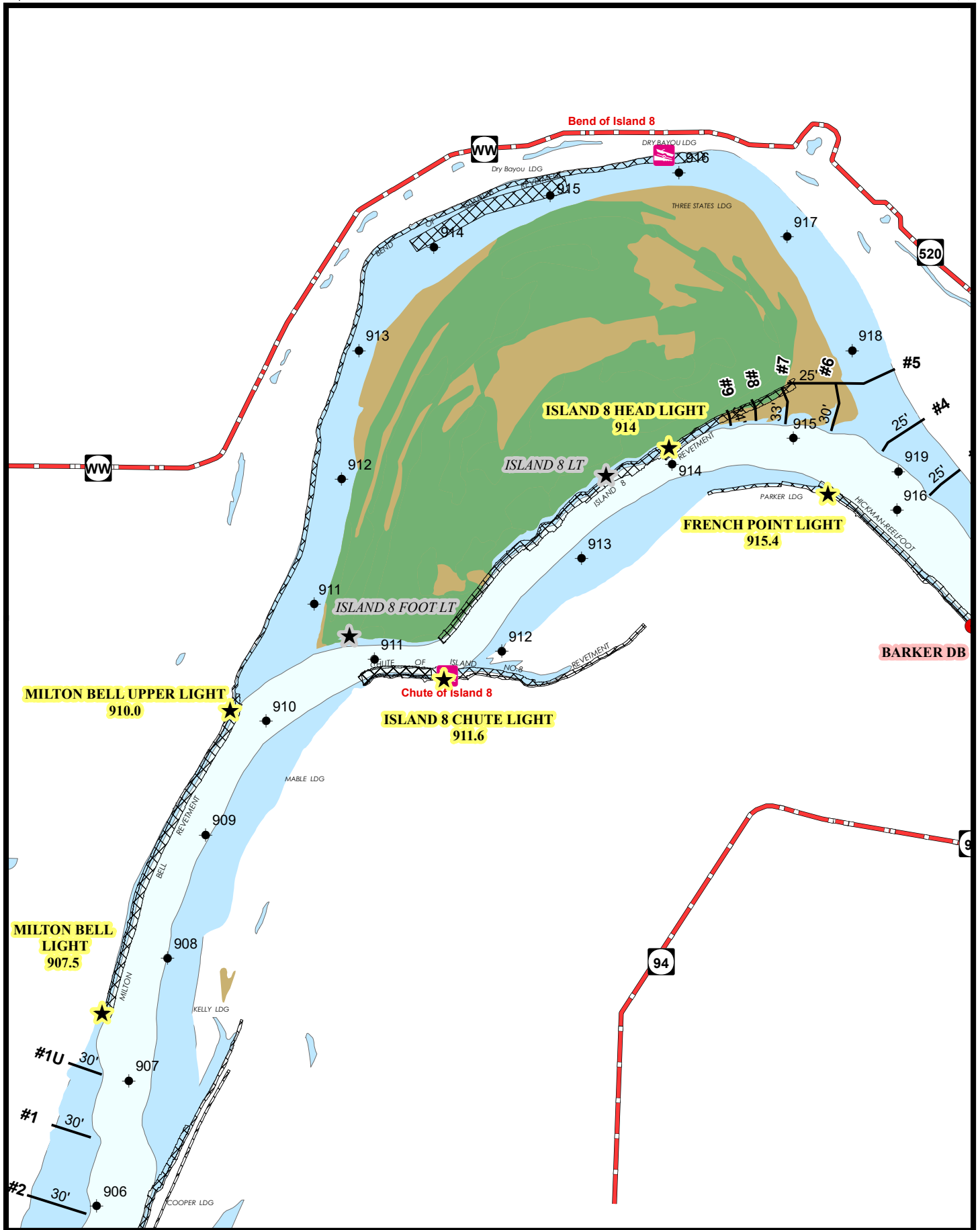
The light blue areas represents depths of project depth or greater.
Channel data as depicted was collected between August 2011-September 2011.
The navigation channel will be marked with Buoys as per U.S Coast Guard.

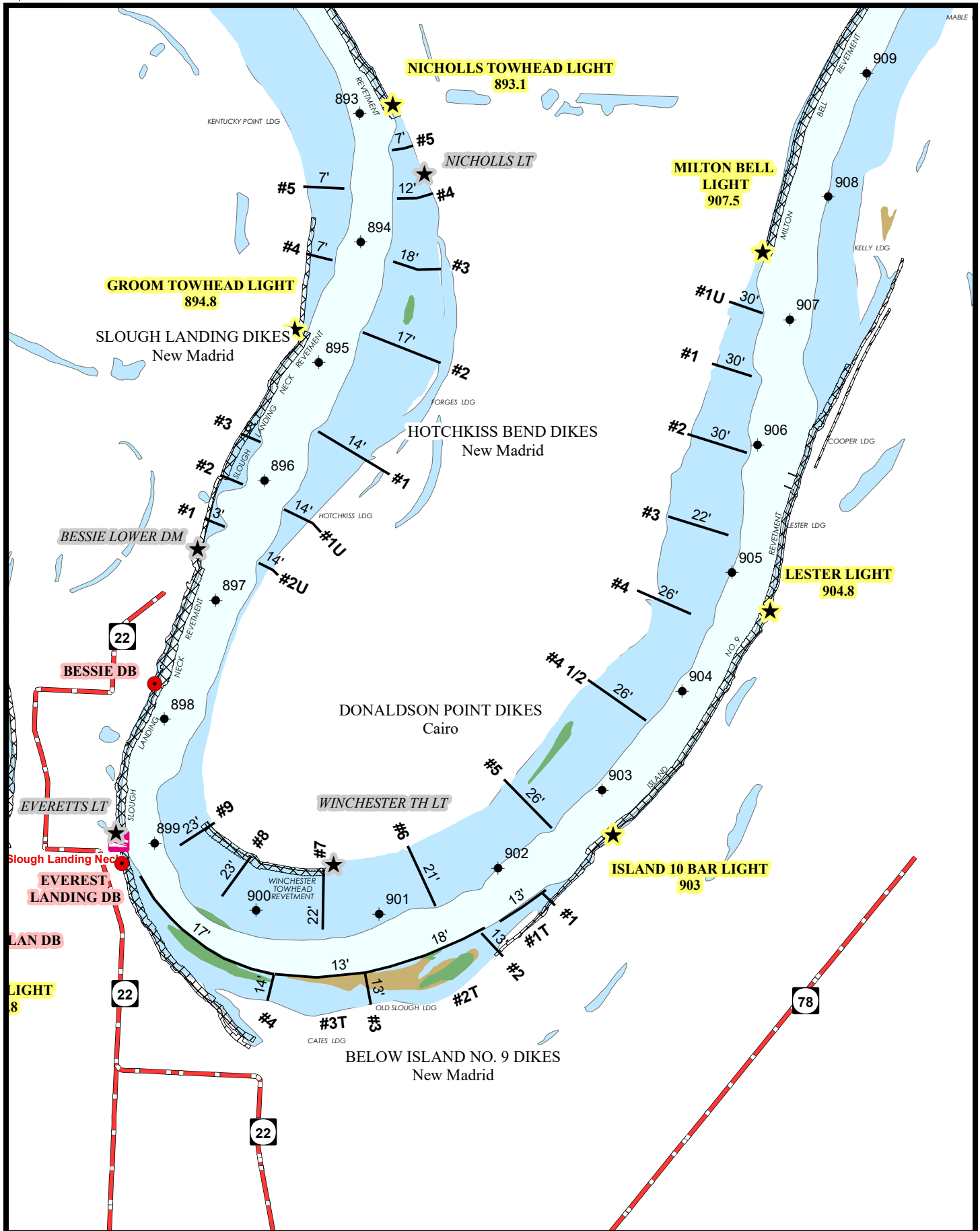


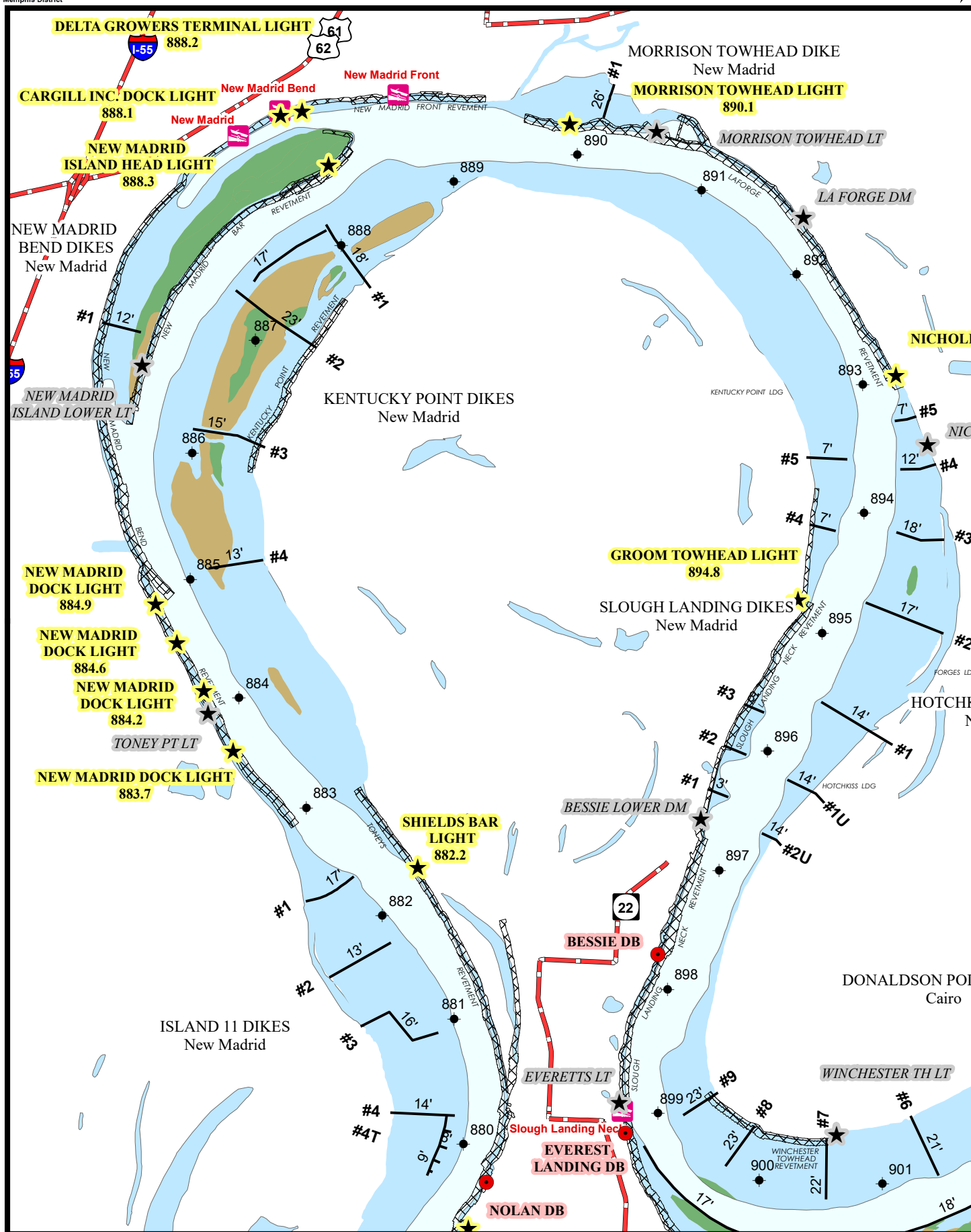


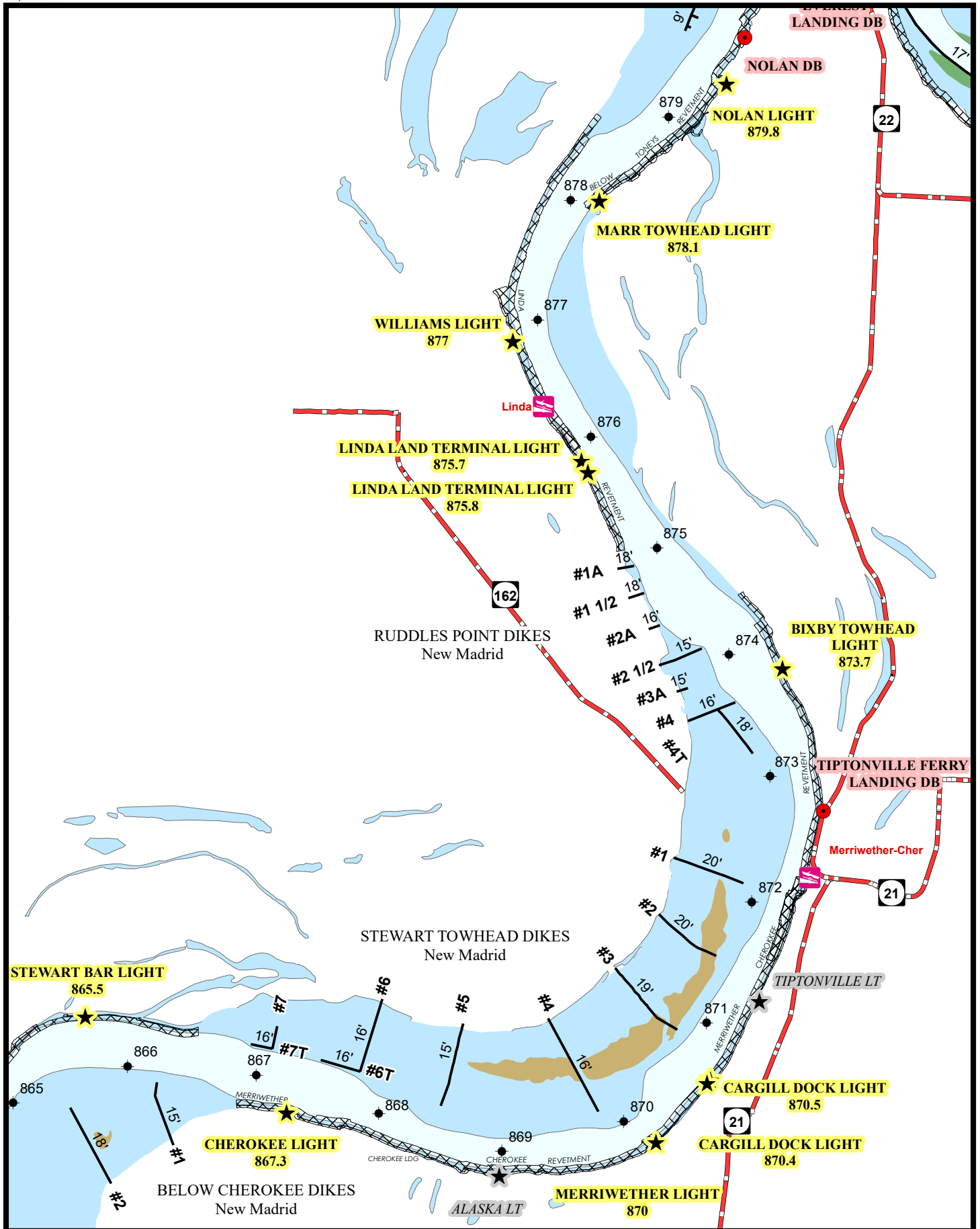


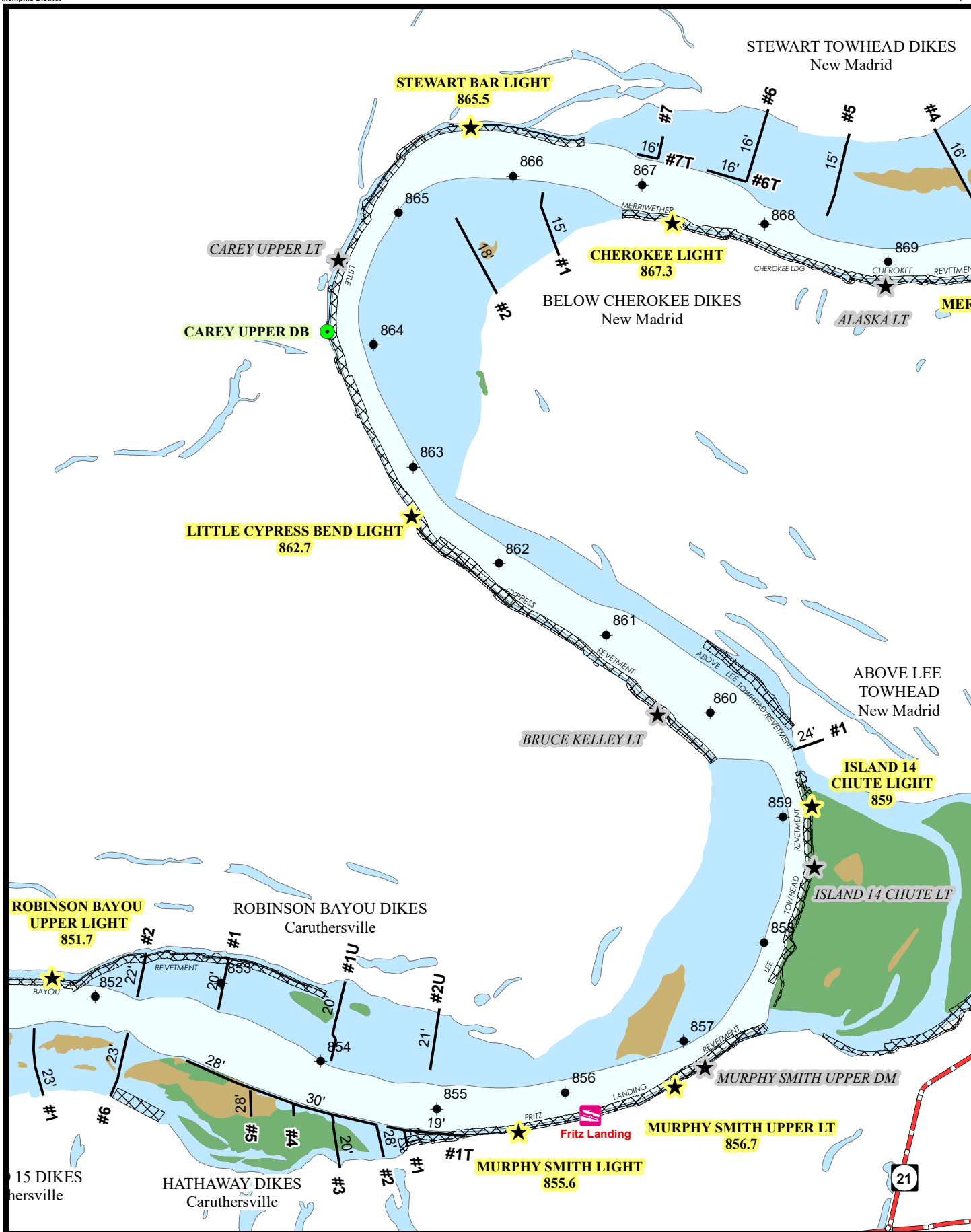




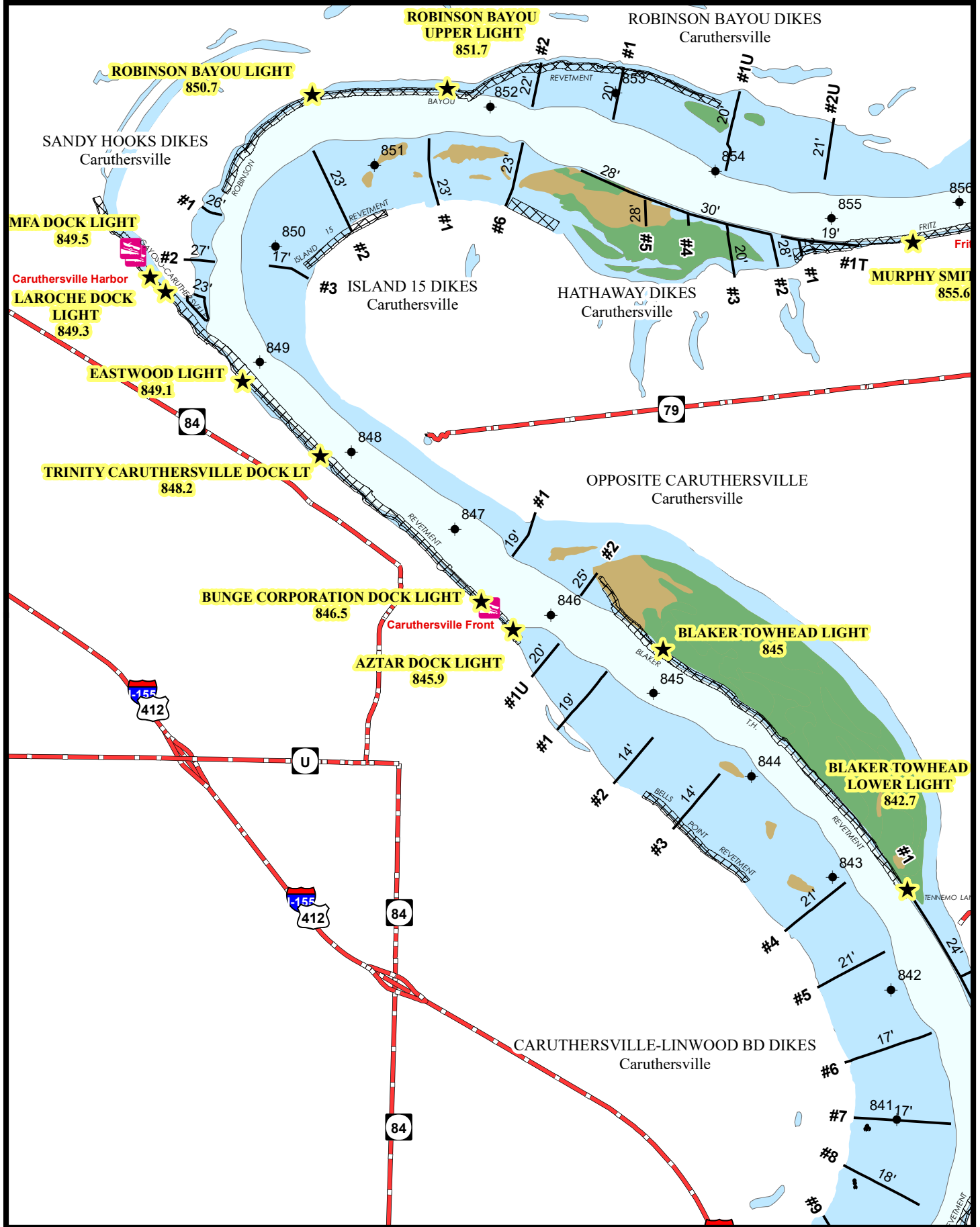


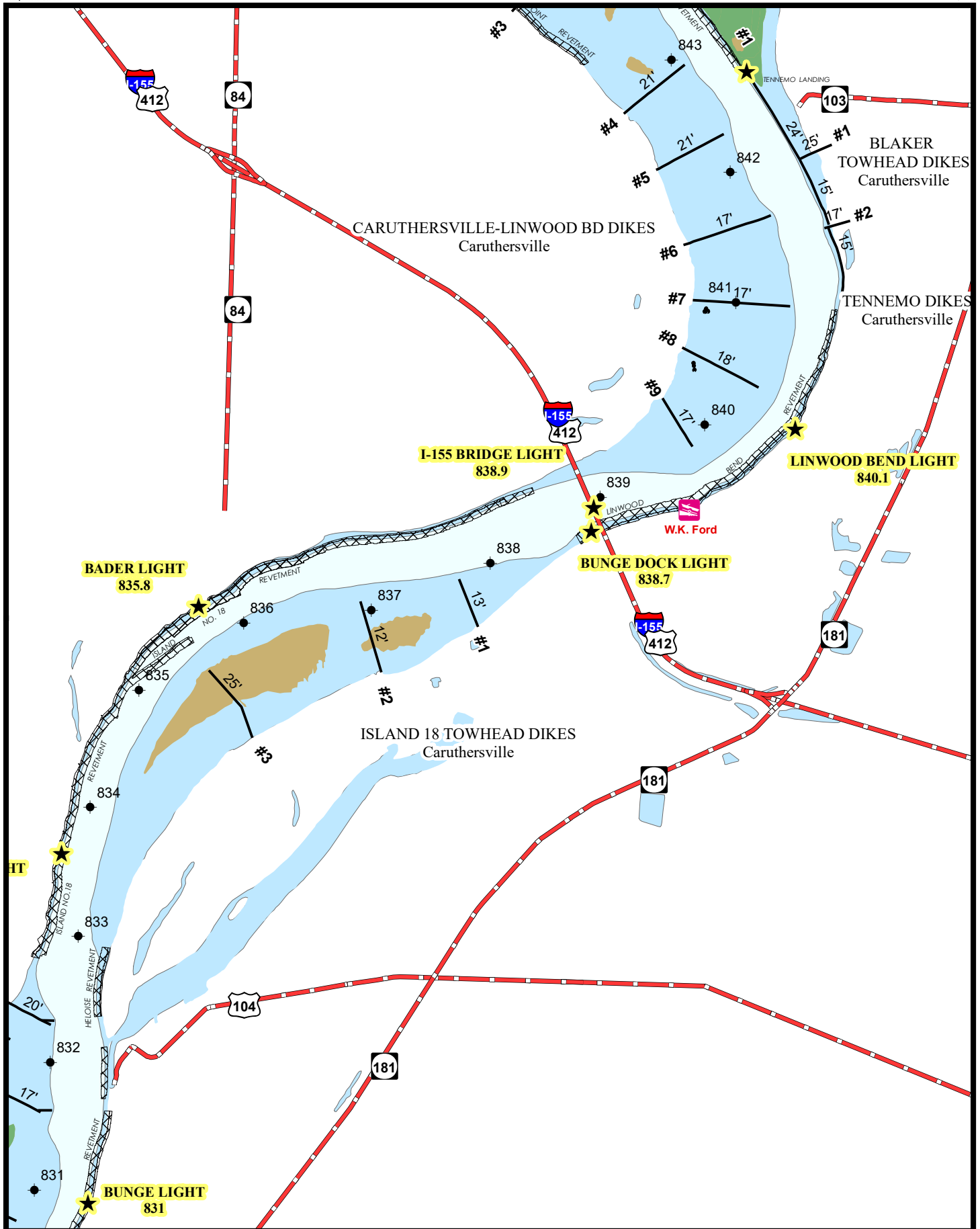


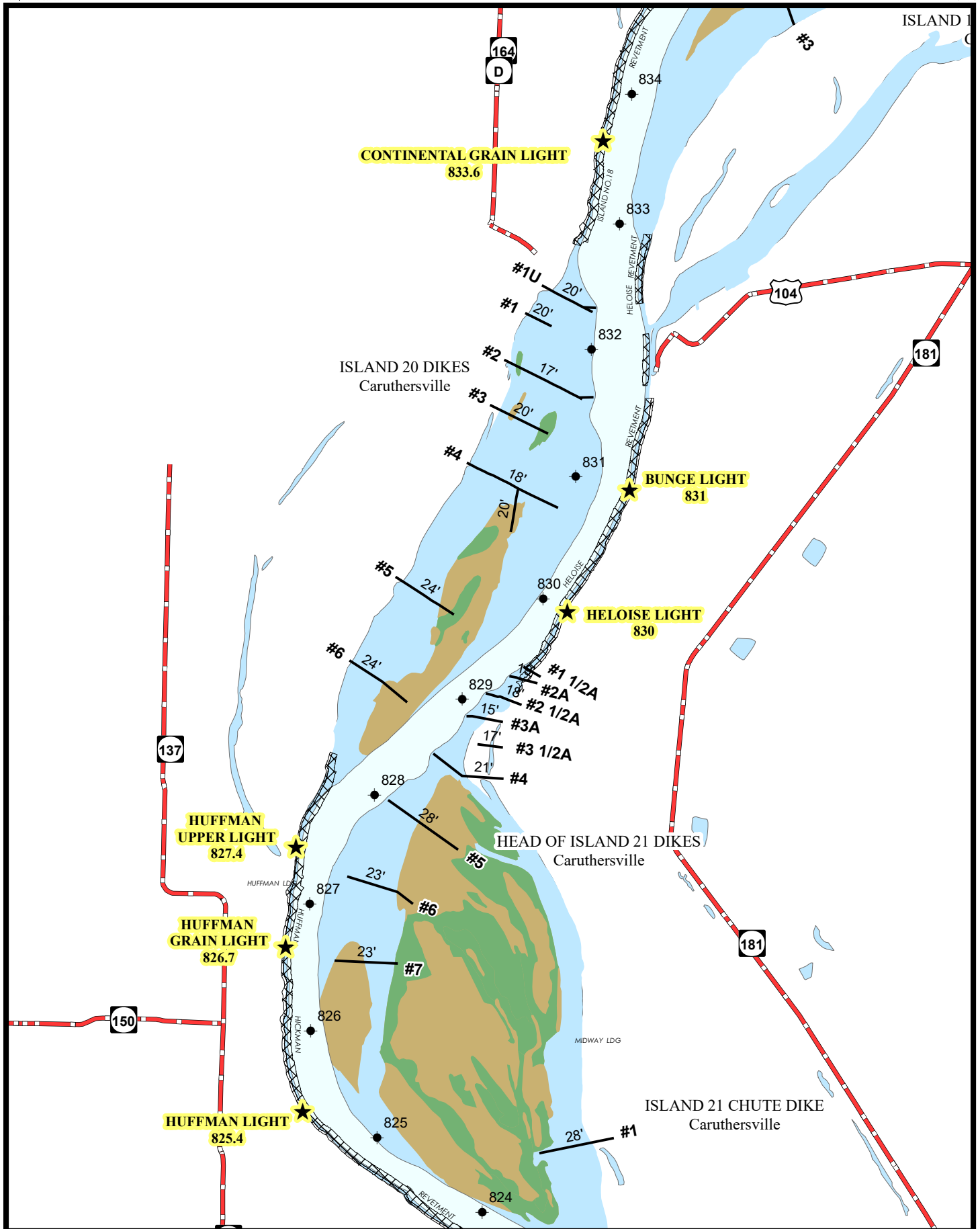


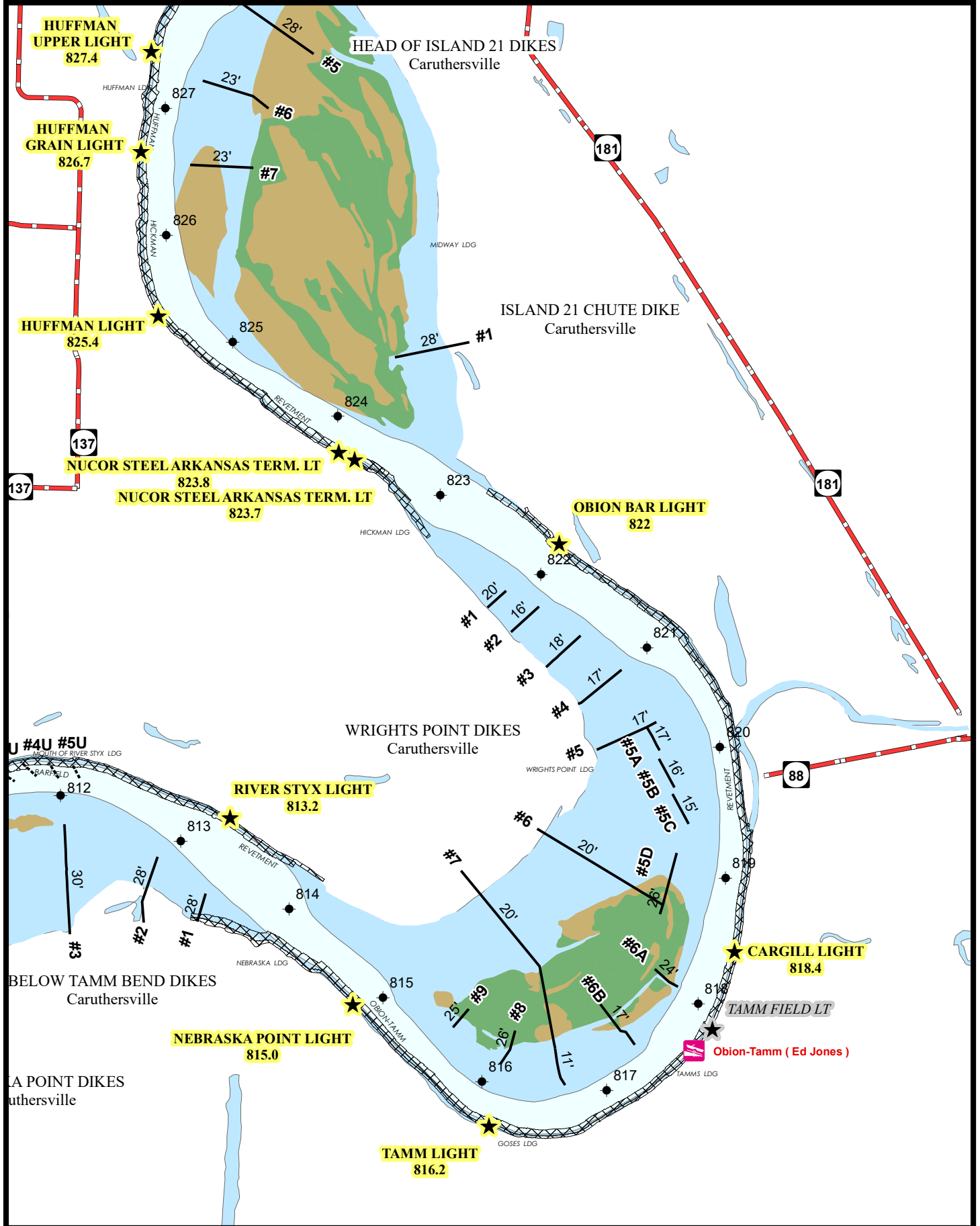


2019 NAVIGATION BULLETIN

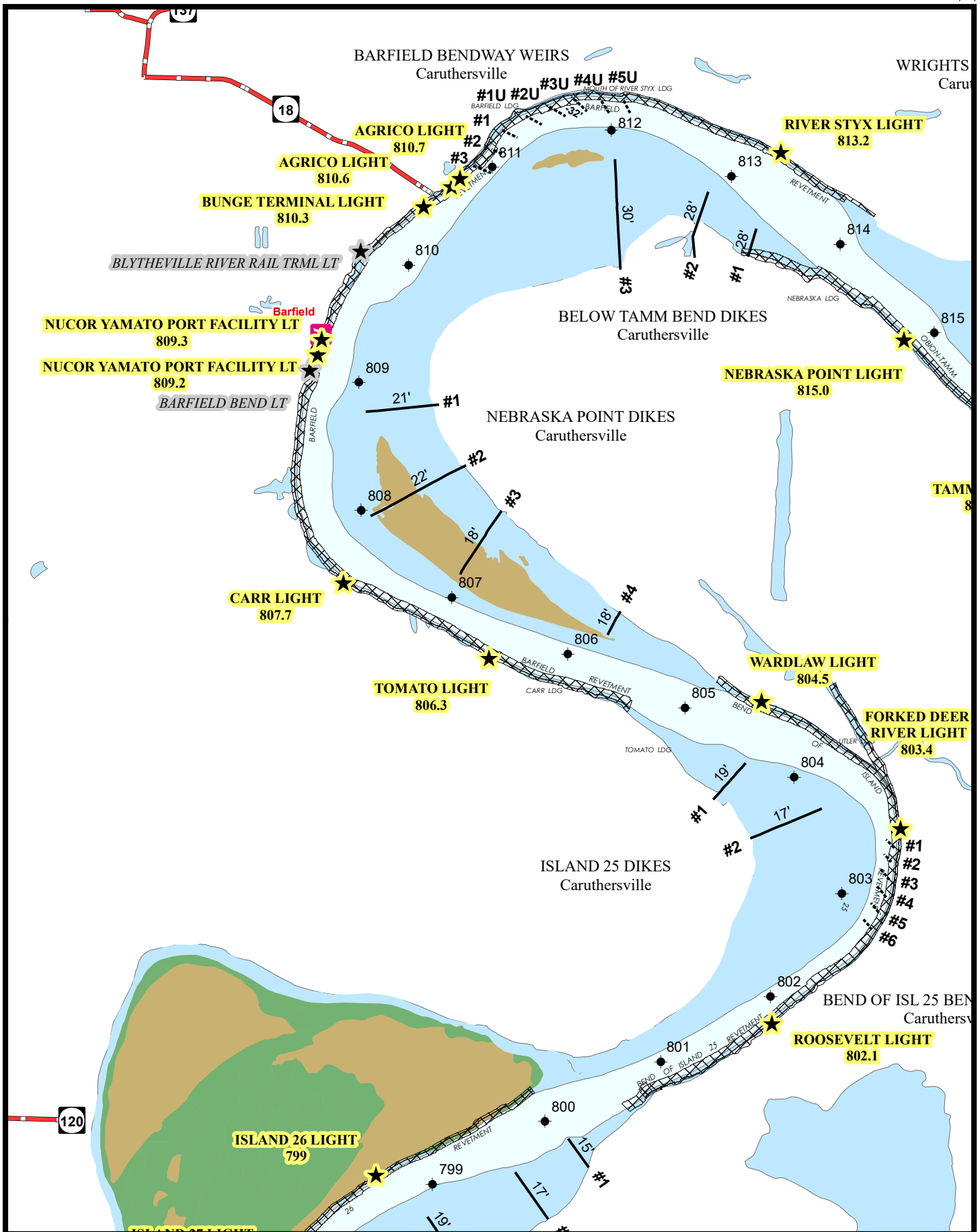


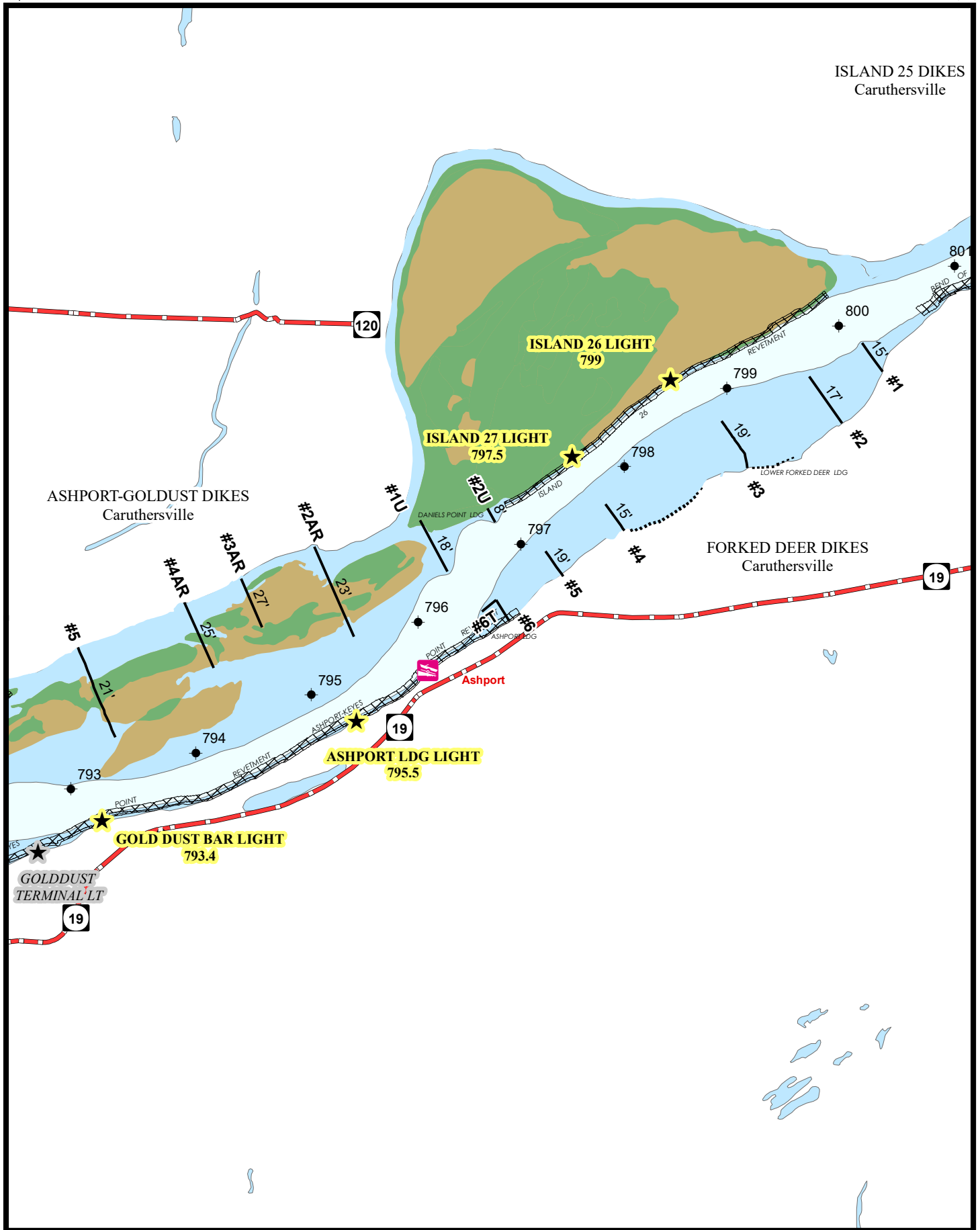


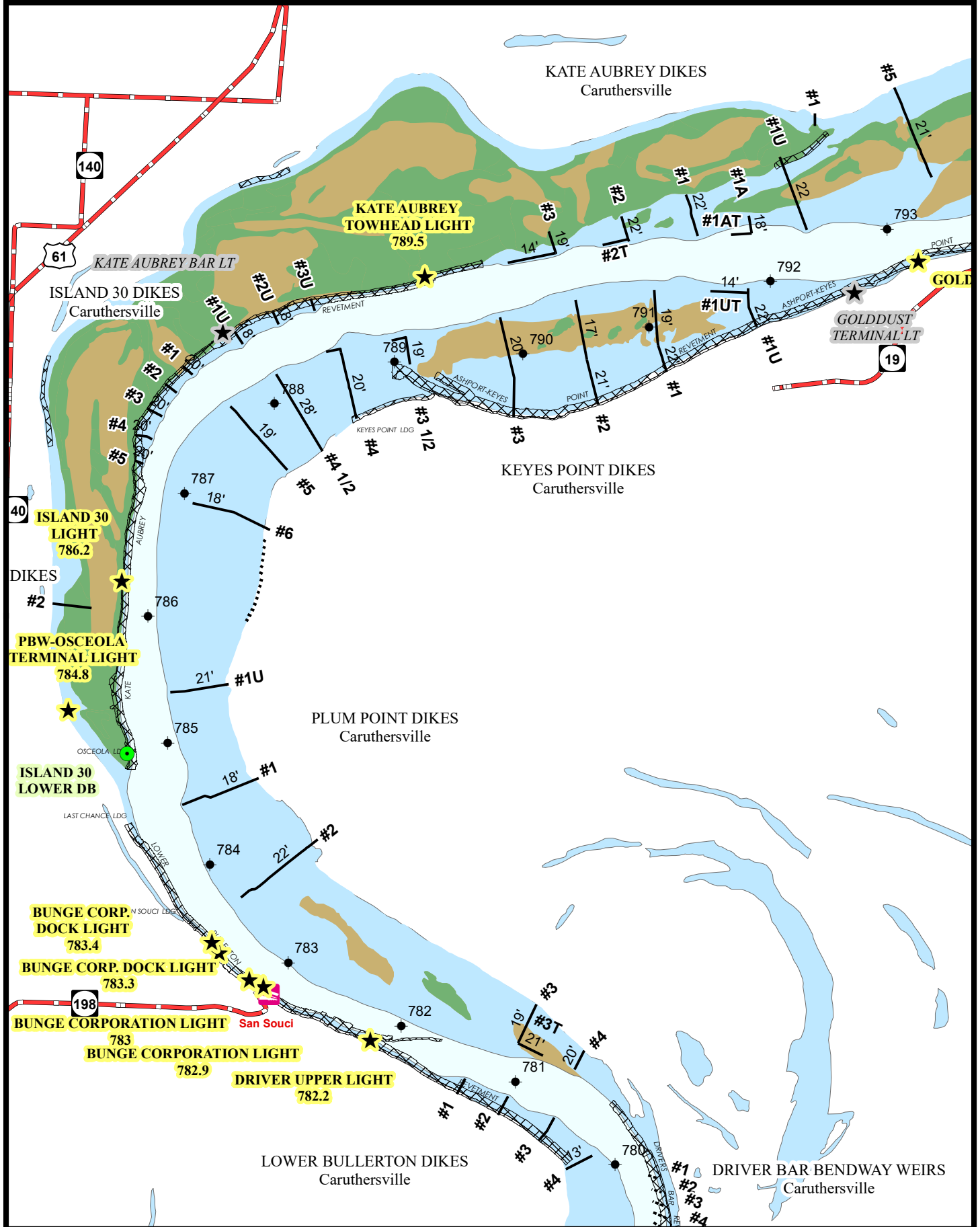




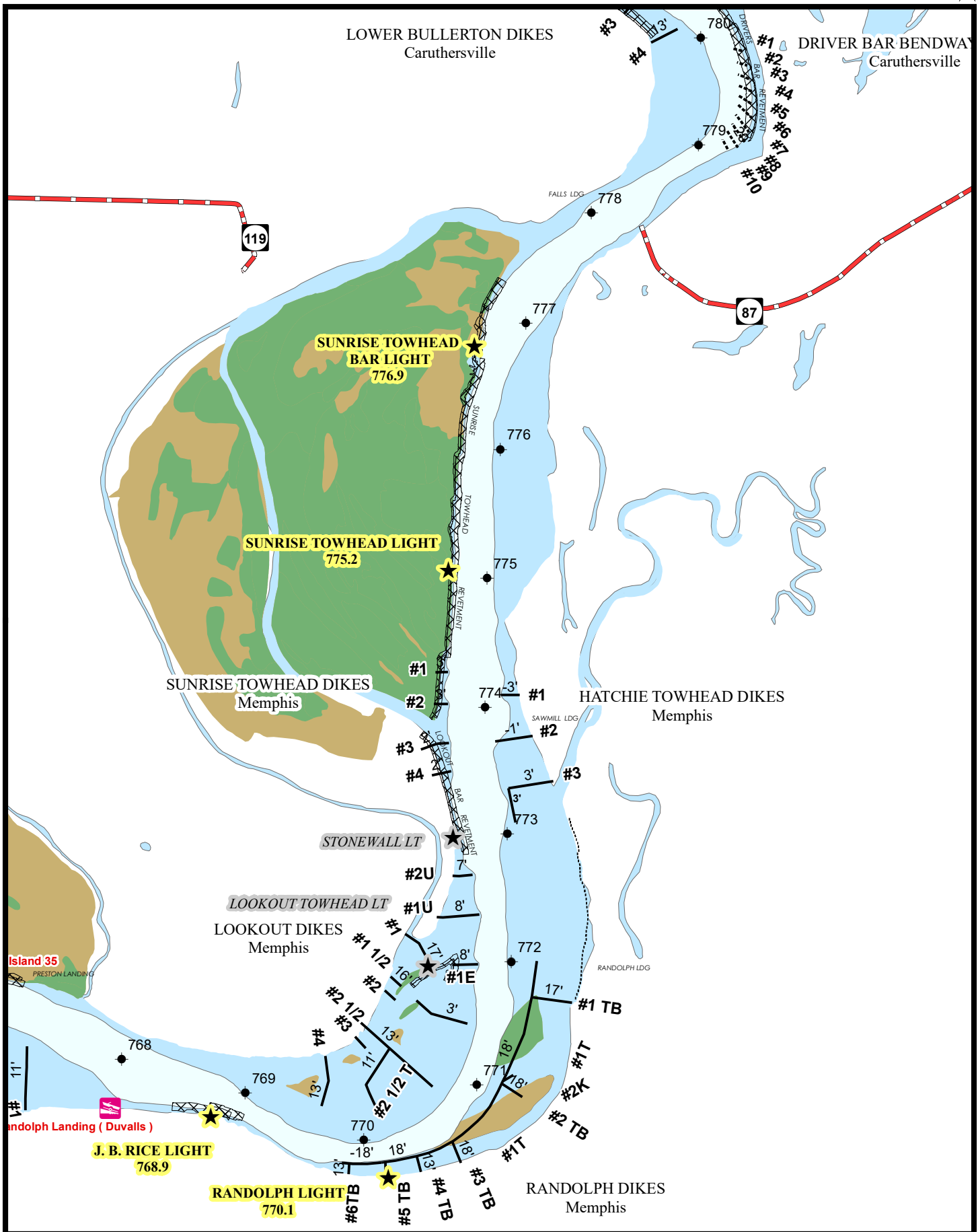
2019 NAVIGATION BULLETIN



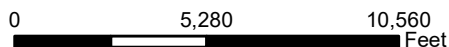




2019 NAVIGATION BULLETIN



RM 780-768



MAP NO 17

