

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 2017

26 July 2017

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 26 July 2017
 Based on 2007 LWRP

| Dike Field Location | Map No. | Mile | Approximate Elevations Referred to Local Gage | | Gage | Type |
|----------------------|---------|------|---|---------------|----------------|--------------|
| | | | Main Dike | Terminal Dike | | |
| 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 |
| Island 15 TN | 9 - 10 | 851L | 23 | 17 | Caruthersville | Stone |

Updated through 26 July 2017
Based on 2007 LWRP

**Approximate Elevations
Referred to Local Gage**

| Dike Field Location | Map No. | Mile | Approximate Elevations | | Gage | Type |
|------------------------------------|----------------|-------------|-------------------------------|----------------------|----------------|--------------|
| | | | Main Dike | Terminal Dike | | |
| 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 |
| 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 | -8 | -8 | 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 26 July 2017
Based on 2007 LWRP

**Approximate Elevations
Referred to Local Gage**

| Dike Field Location | Map No. | Mile | Approximate Elevations | | Gage | Type |
|-------------------------------|----------------|-------------|-------------------------------|----------------------|-------------|--------------|
| | | | Main Dike | Terminal Dike | | |
| 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**Miles**

| | |
|------------------------------------|--|
| New Madrid Front MO | 889.2 - 888.2 R |
| New Madrid Bend MO | 887.6 - 882.9 R |
| Toneys Towhead KY-TN | 882.9 - 880.6 L |
| Below Toneys Towhead TN | 881.6 - 878.1 L |
| Linda MO | 879.5 - 875.1 R |
| Merriwether - Cherokee TN | 874.3 - 866.8 L |
| Little Cypress MO | 866.1 - 859.7 R |
| Above Lee Towhead TN | 860.3 - 859.5 L |
| Lee Towhead MO | 859.3 - 857.6 L (CH) |
| Fritz Landing TN | 857.5 - 854.7 L |
| Robinson Bayou MO | 853.8 - 850.2 R |
| Gayoso - Caruthersville MO | 849.8 - 846.0 R |
| Blaker Towhead TN | 846.0 - 842.5 L |
| Bells Point MO | 844.5 - 843.4 R |
| Linwood Bend TN | 841.3 - 838.7 L |
| Island 18 MO | 838.6 - 832.7 R and 839.2 - 838.9 R |
| Heloise TN | 833.0 - 829.3 L |
| Huffman - Hickman AR-TN | 828.1 - 822.8 R |
| Obion Tamm TN | 823.0 - 813.3 L |
| Barfield AR | 813.9 - 805.4 R |
| Island 25 TN | 804.8 - 803.7 L |
| Bend of Island 25 TN | 804.2 - 800.7 L |
| Island 26 TN | 800.0 - 797.1 R |
| Ashport - Keys Point TN | 796.6 - 789.0 L |
| Kate Aubrey Towhead - Island 30 TN | 789.9 - 784.9 R |
| Lower Bullerton AR | 784.6 - 780.1 R |
| Driver Bar AR - TN | 780.4 - 779.1 L |
| Sunrise Towhead TN | 777.1 - 773.9 R |
| Lookout TN | 773.9 - 772.8 R |
| Lookout Bar TN | 772.0 - 771.8 R |
| Richardson Landing TN | 769.1 - 768.7 L |
| Chute of Island 35 TN | 767.2 - 762.2 R |
| Cedar Point - Densford TN | 761.2 - 757.7 L |
| Dean Island AR | 756.4 - 755.2 R |
| Shelby Forest TN | 753.3 - 751.4 L |
| Brandywine TN-AR | 753.2 - 749.8 R |
| Island 40 TN-AR | 747.4 - 741.3 R |
| Loosahatchie Bar TN | 740.2 - 739.8 R |
| Loosahatchie - Memphis TN | 740.4 - 734.8 L |
| Hopefield Point AR-TN | 737.1 - 736.0 R and 735.6 - 734.8 R |
| Tennessee Chute TN | 7.7 - 6.3 L McKellar |
| Presidents Island TN | 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 |

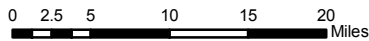
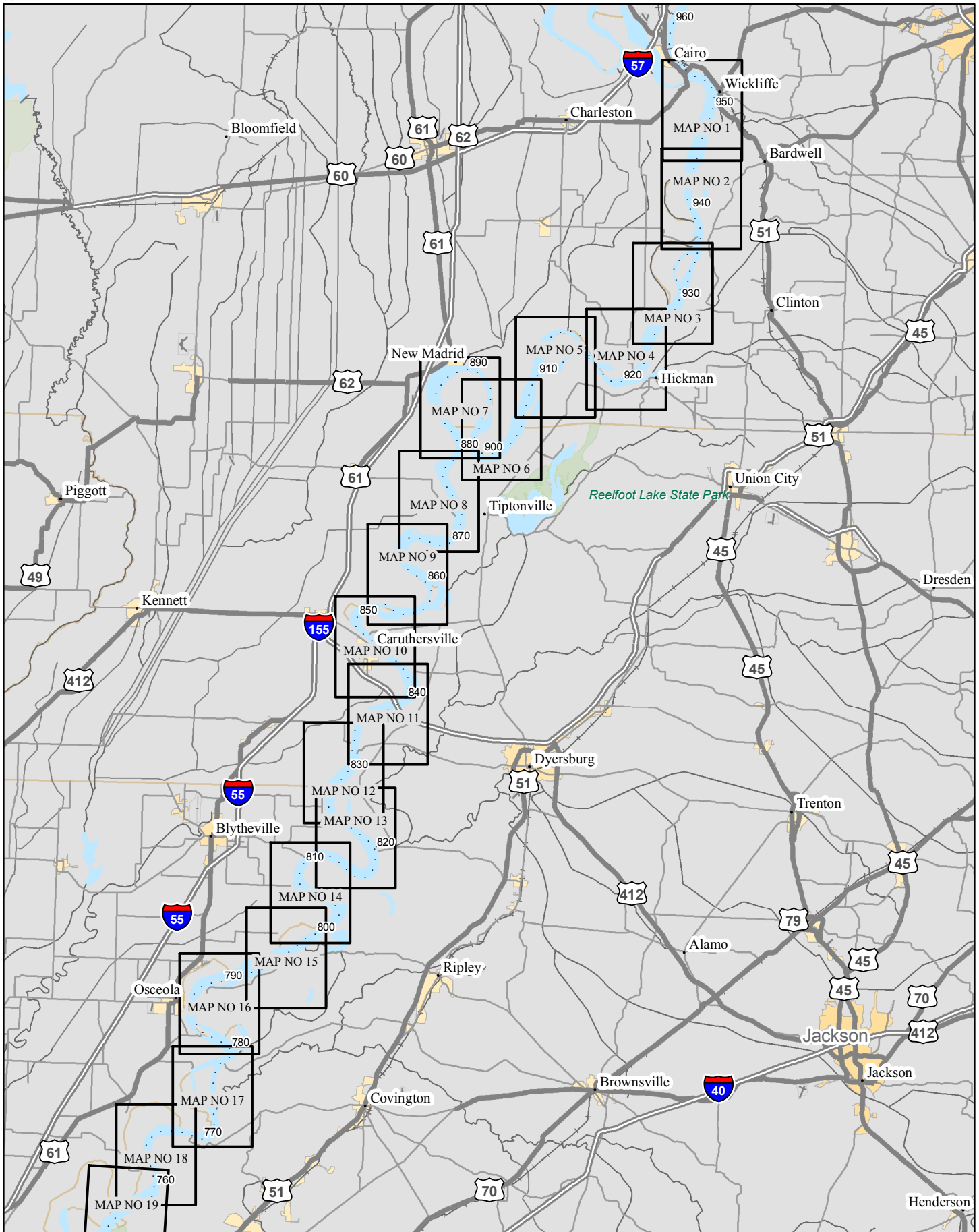
NOTE: Dennis, Smith Point, Lake Concordia, and Victoria Bend Revetments are in the Vicksburg District.

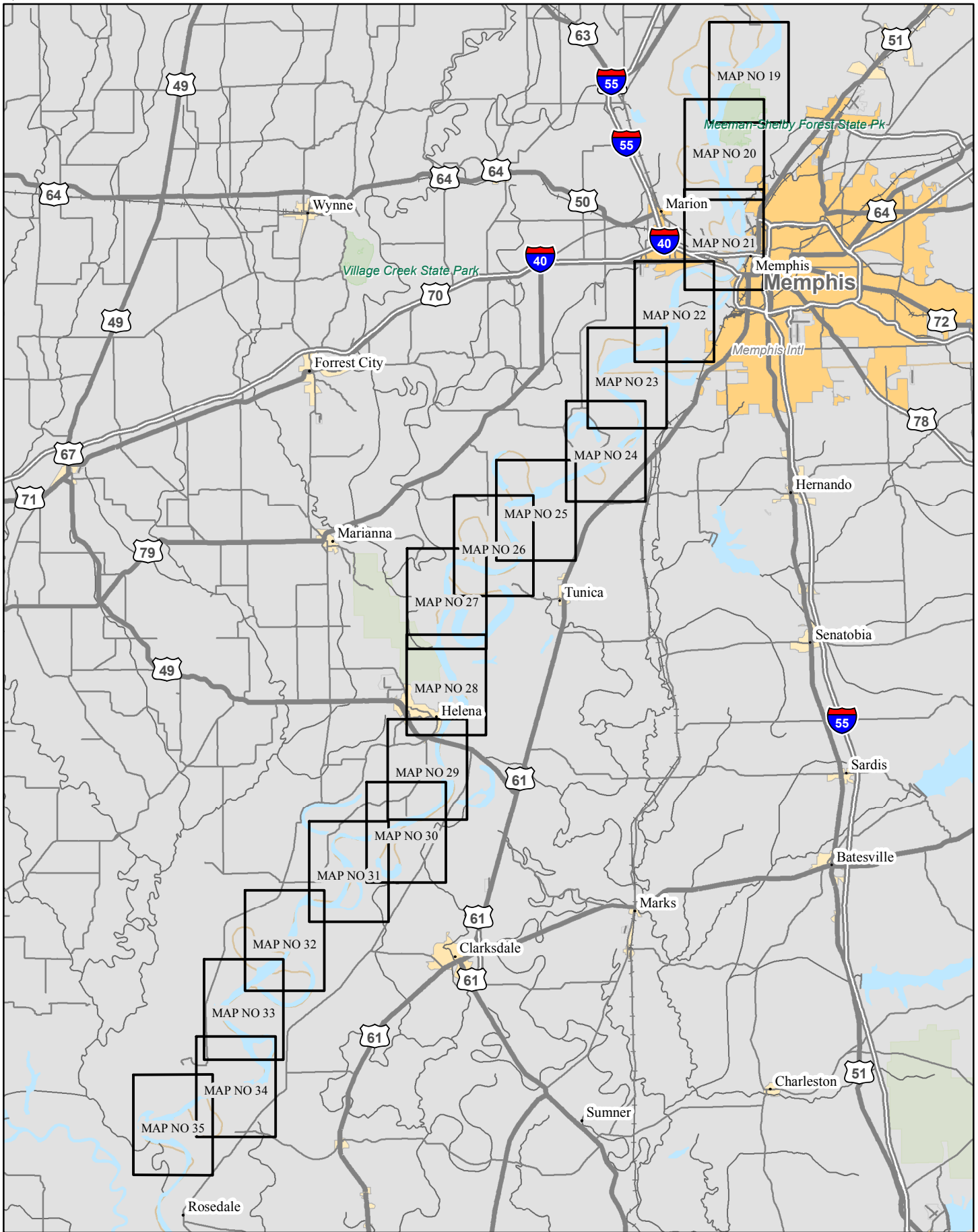
| | |
|-------------------|-----------------|
| Dennis MS | 614.1 - 610.0 L |
| Smith - Point MS | 604.2 - 600.7 L |
| Lake Concordia MS | 596.8 - 595.0 L |
| Victoria Bend MS | 595.3 - 592.1 L |

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















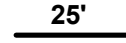
David P. Berretta
Chief, Hydraulics and Hydrology Branch
Memphis District

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 |
|  | = Approx. Dike Elev. Referred to Local Gage |
| ISLAND 2 LIGHT 941.3 | = Light name & River Mile |
| <i>NORFOLK LT</i> | = 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

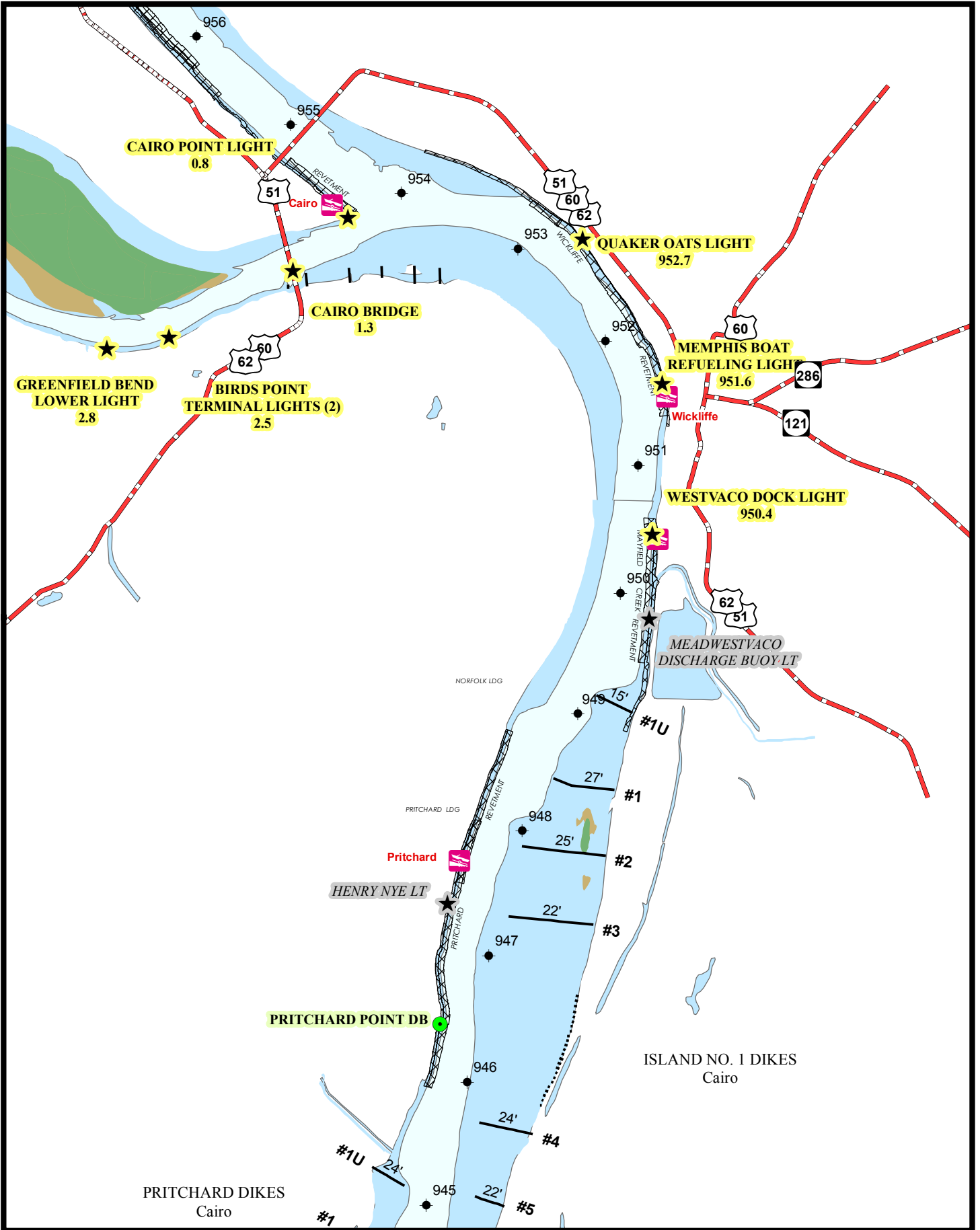
Scale

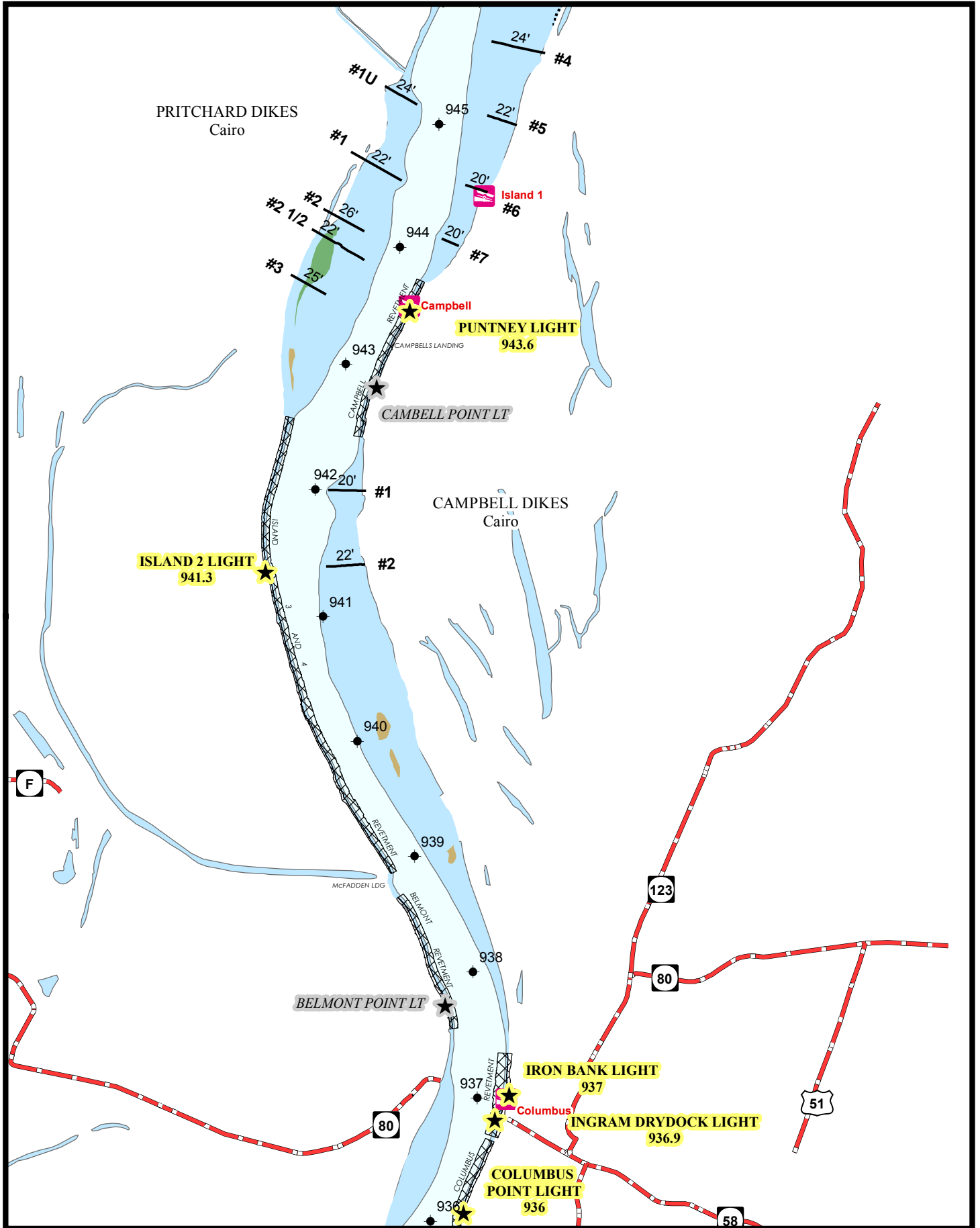
Mapping Scale - 1:63,360
Equivalent Scale - 1 inch = 5,280 feet

* Typical Navigation Channel

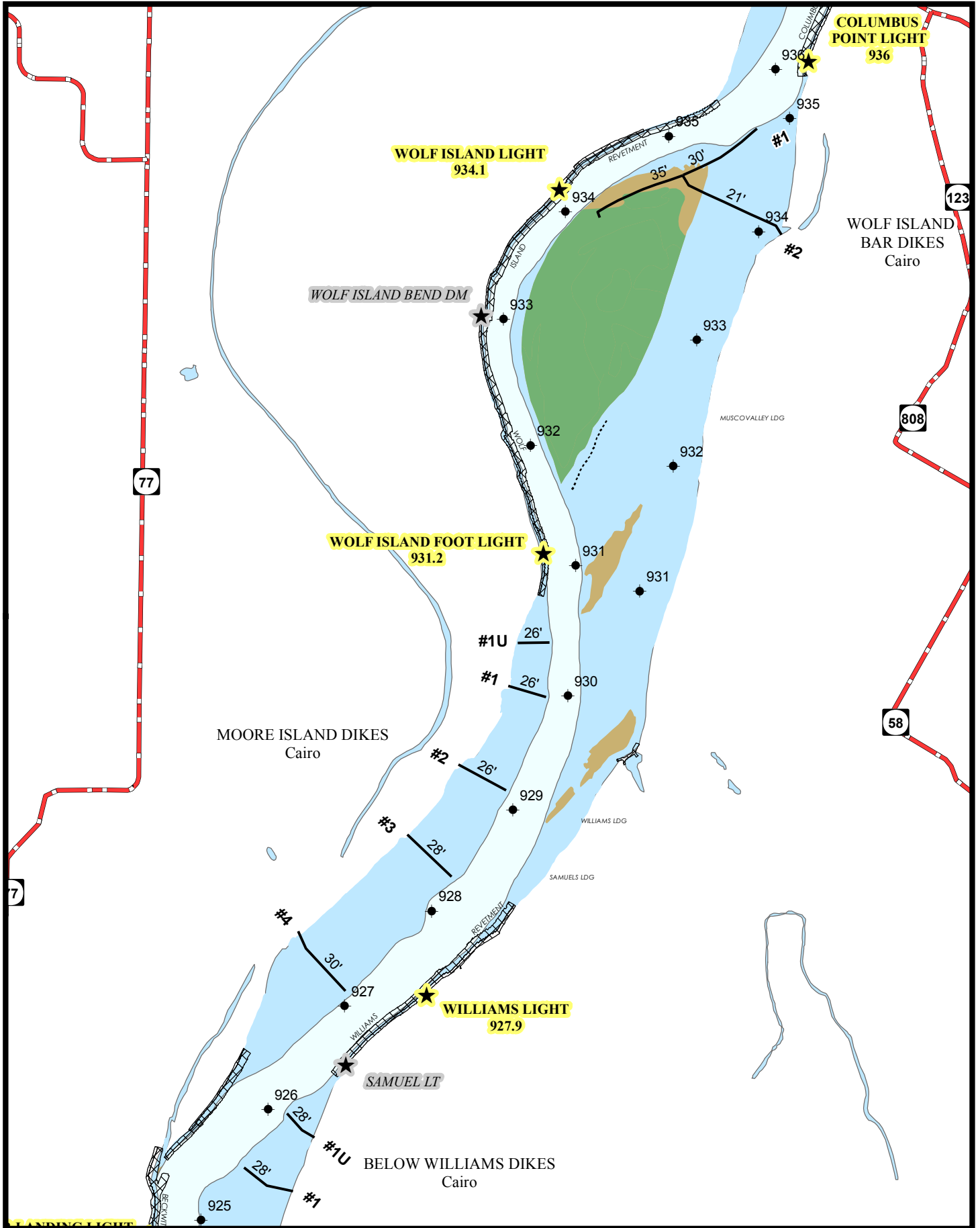
The light blue areas represents depths of project depth or greater.
Channel data as depicted was collected between August 2011-September 2011.
The navigation channel will be marked with Buoys as per U.S Coast Guard.

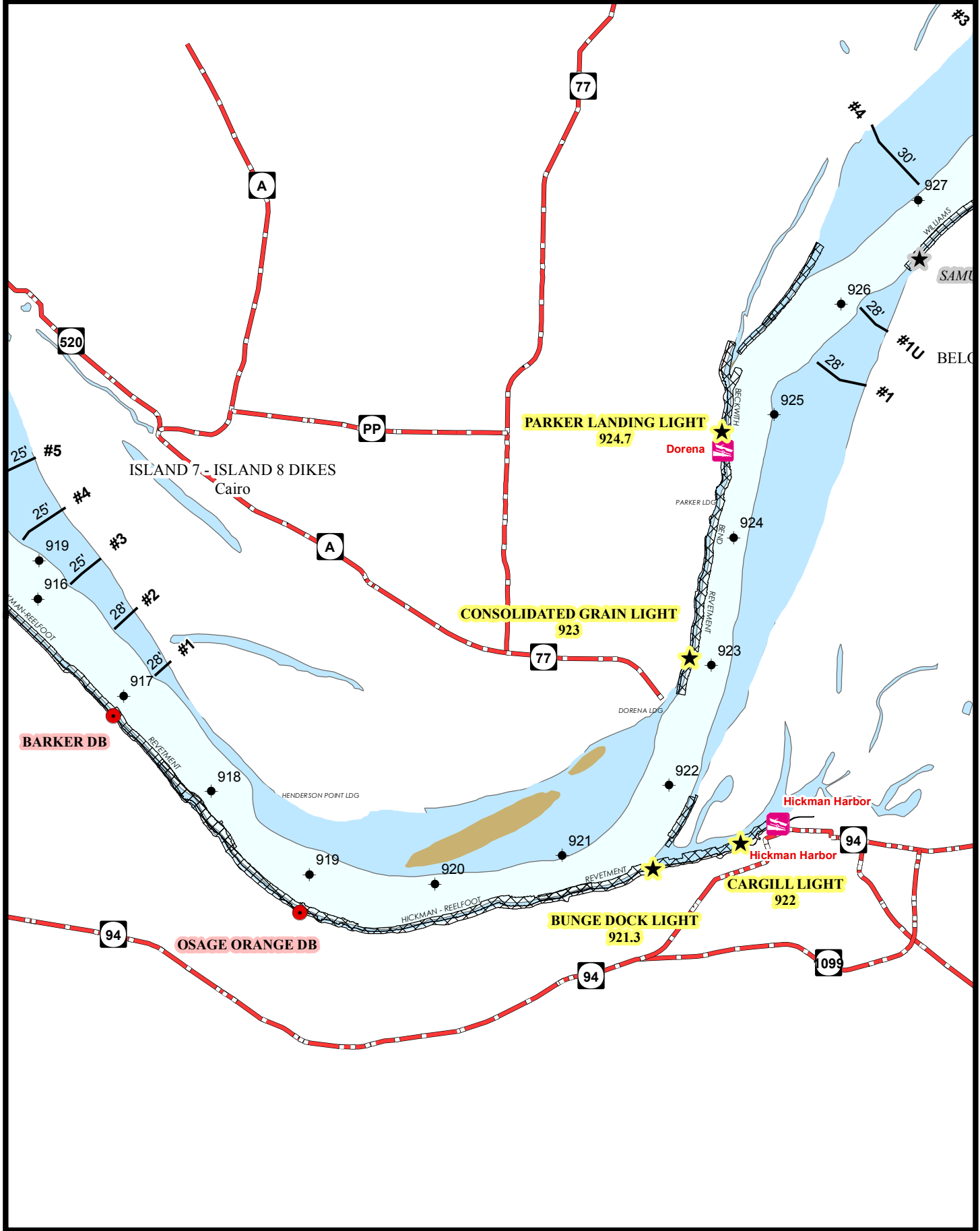
Aerial photos were flown January 2015.

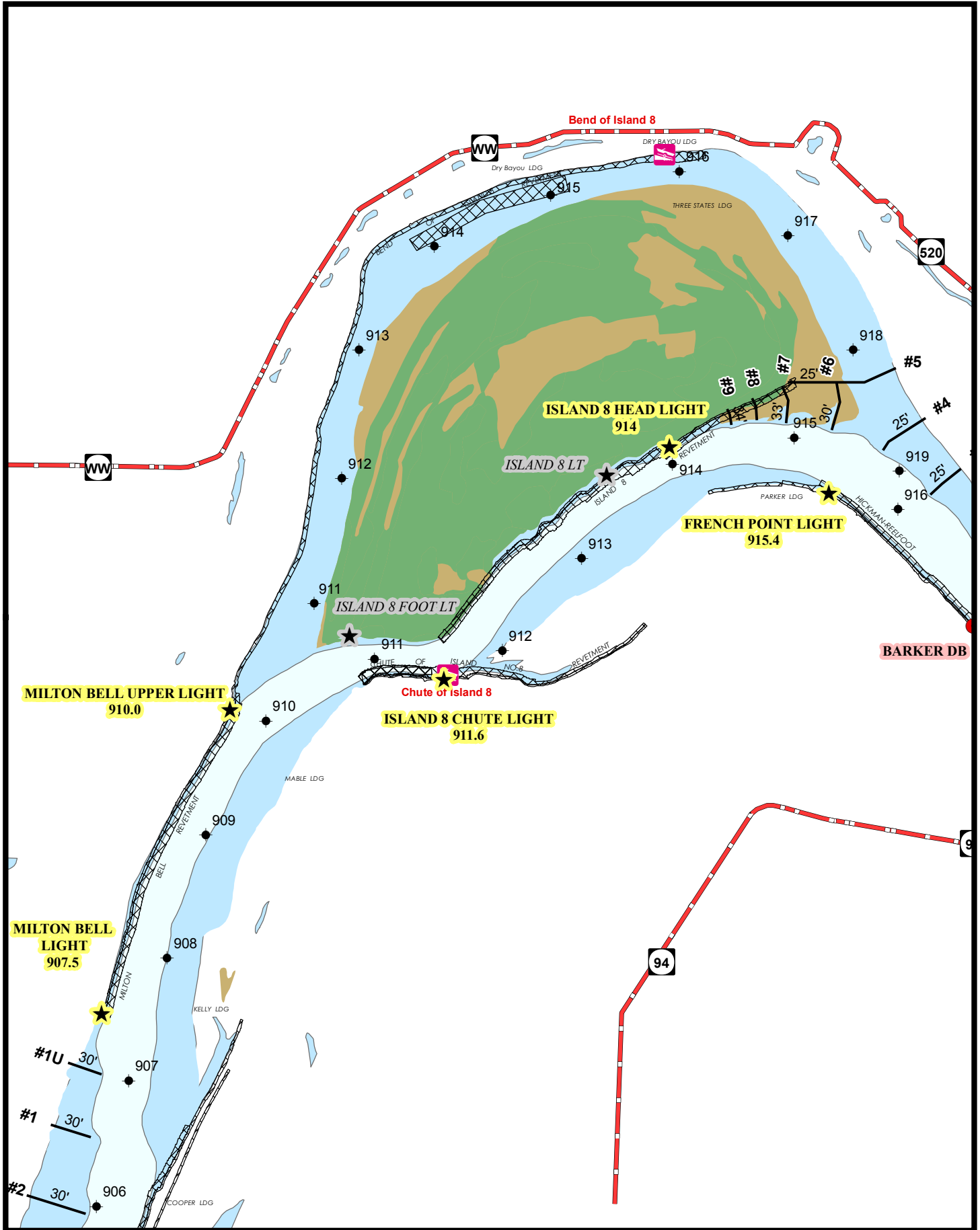


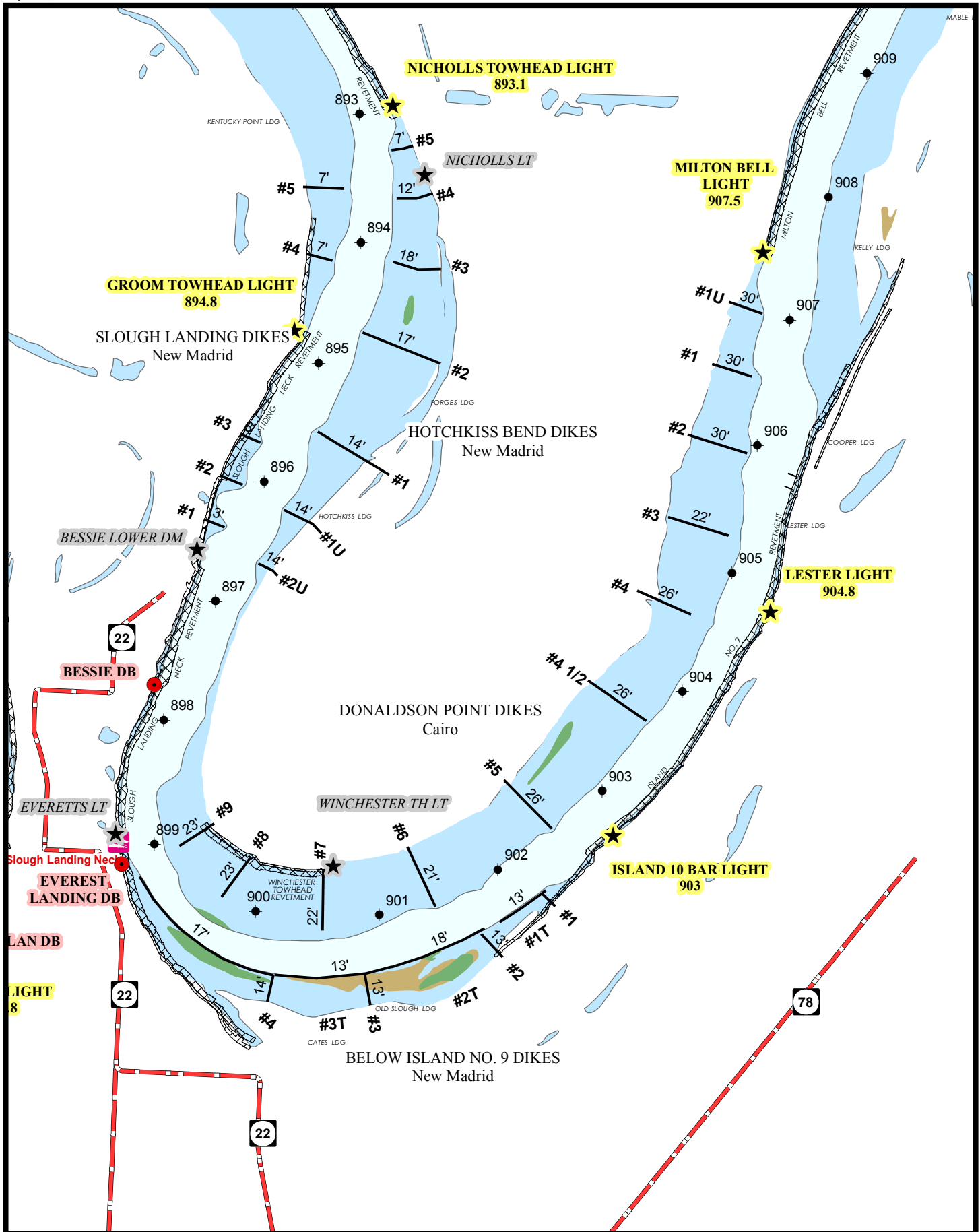


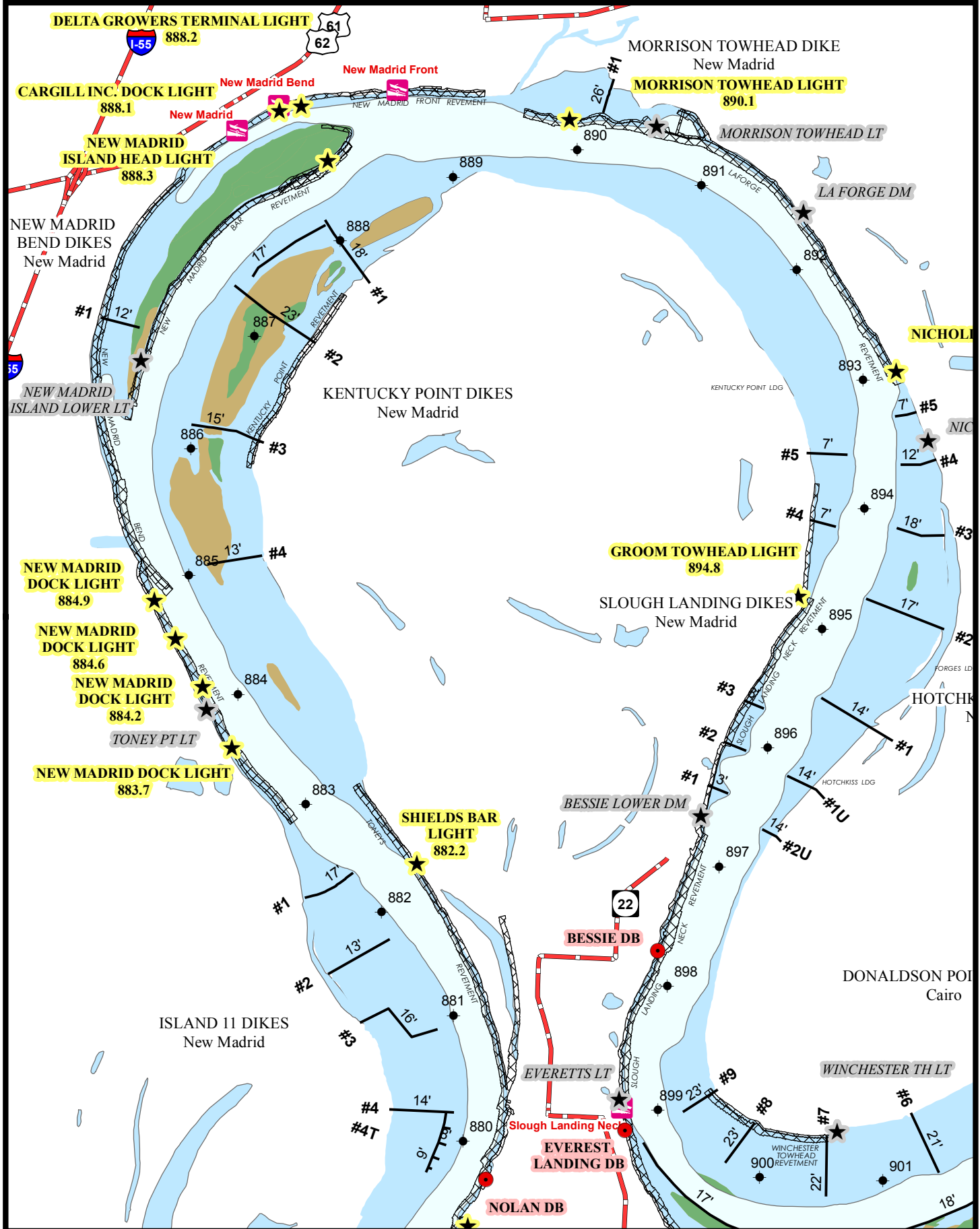
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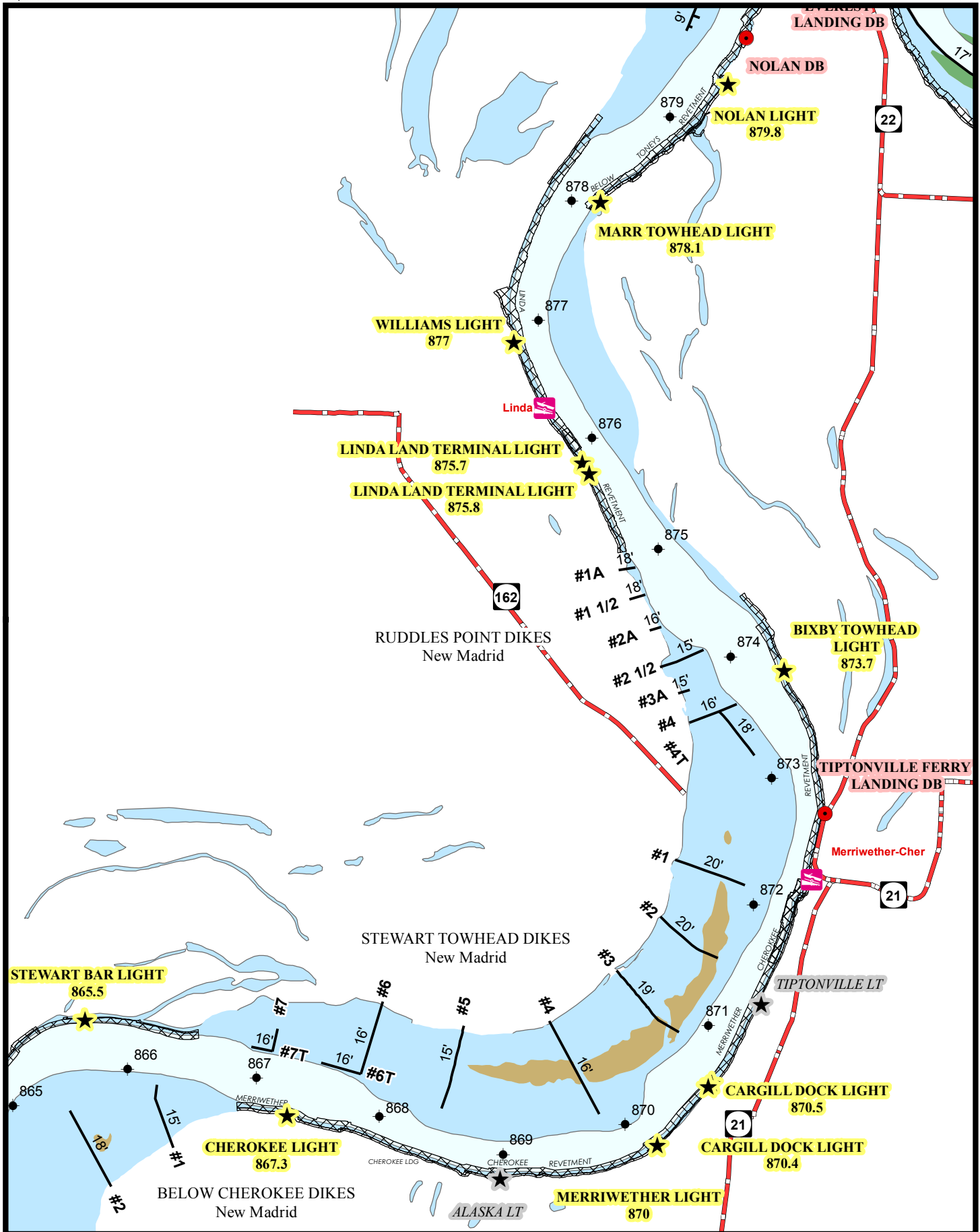


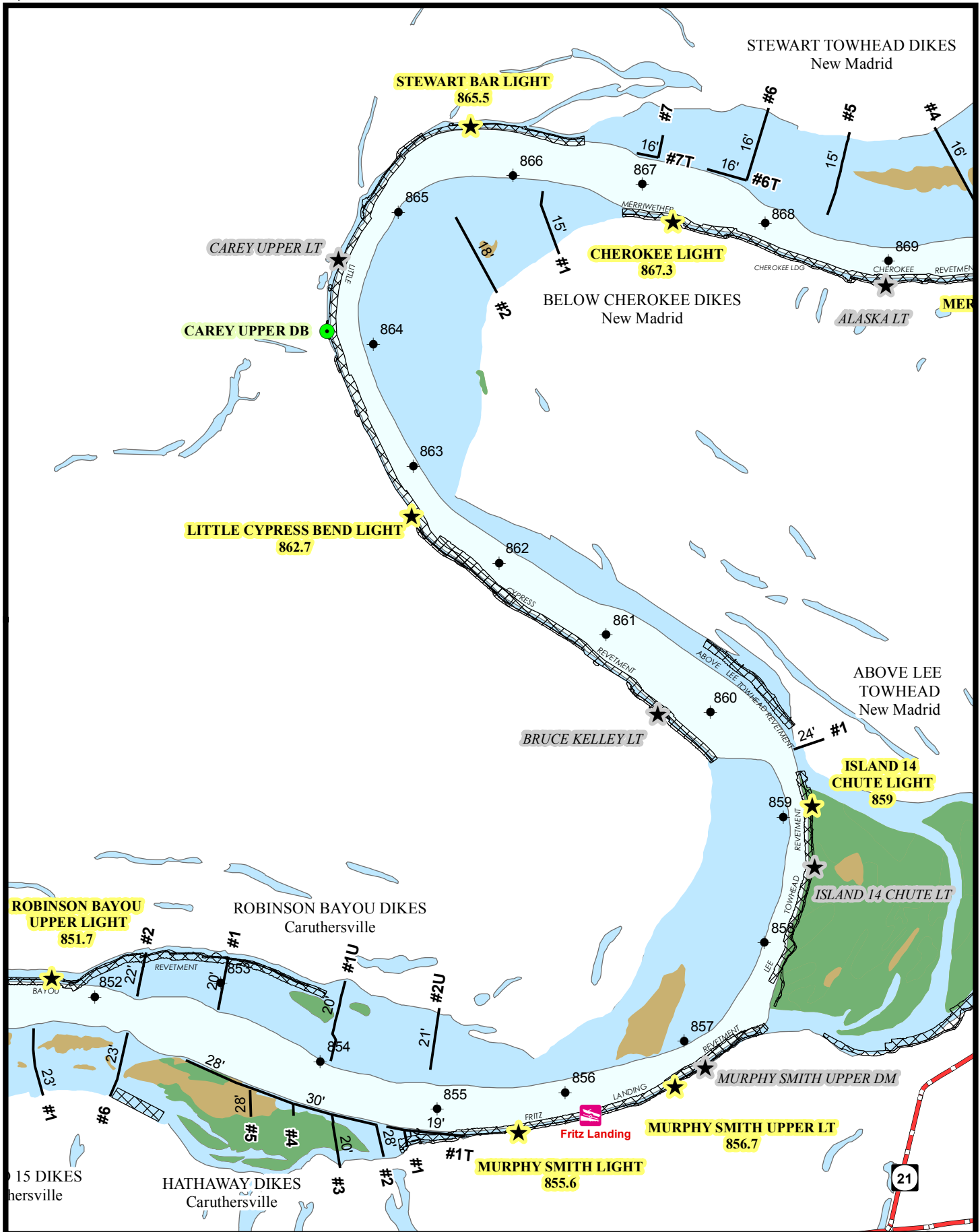




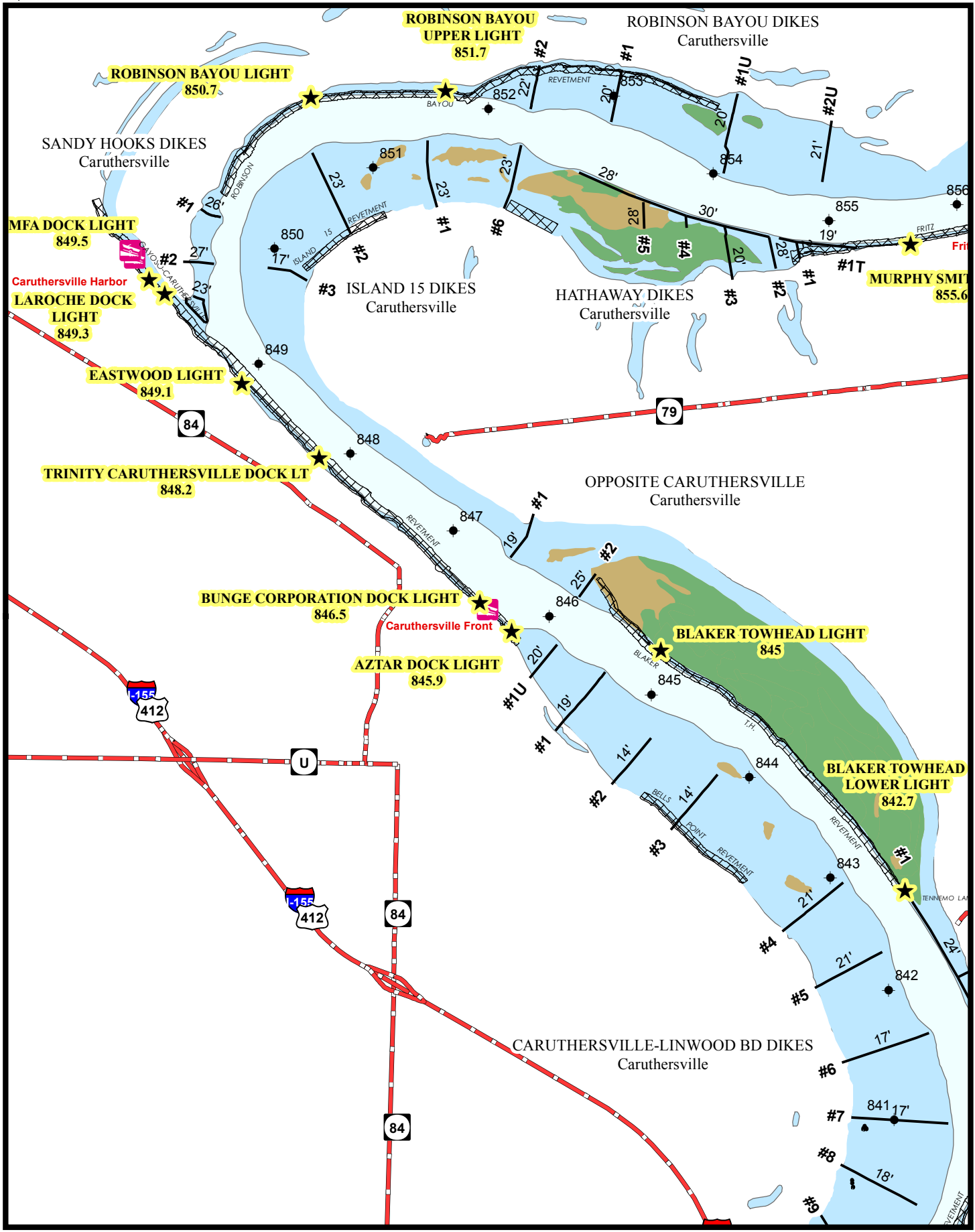


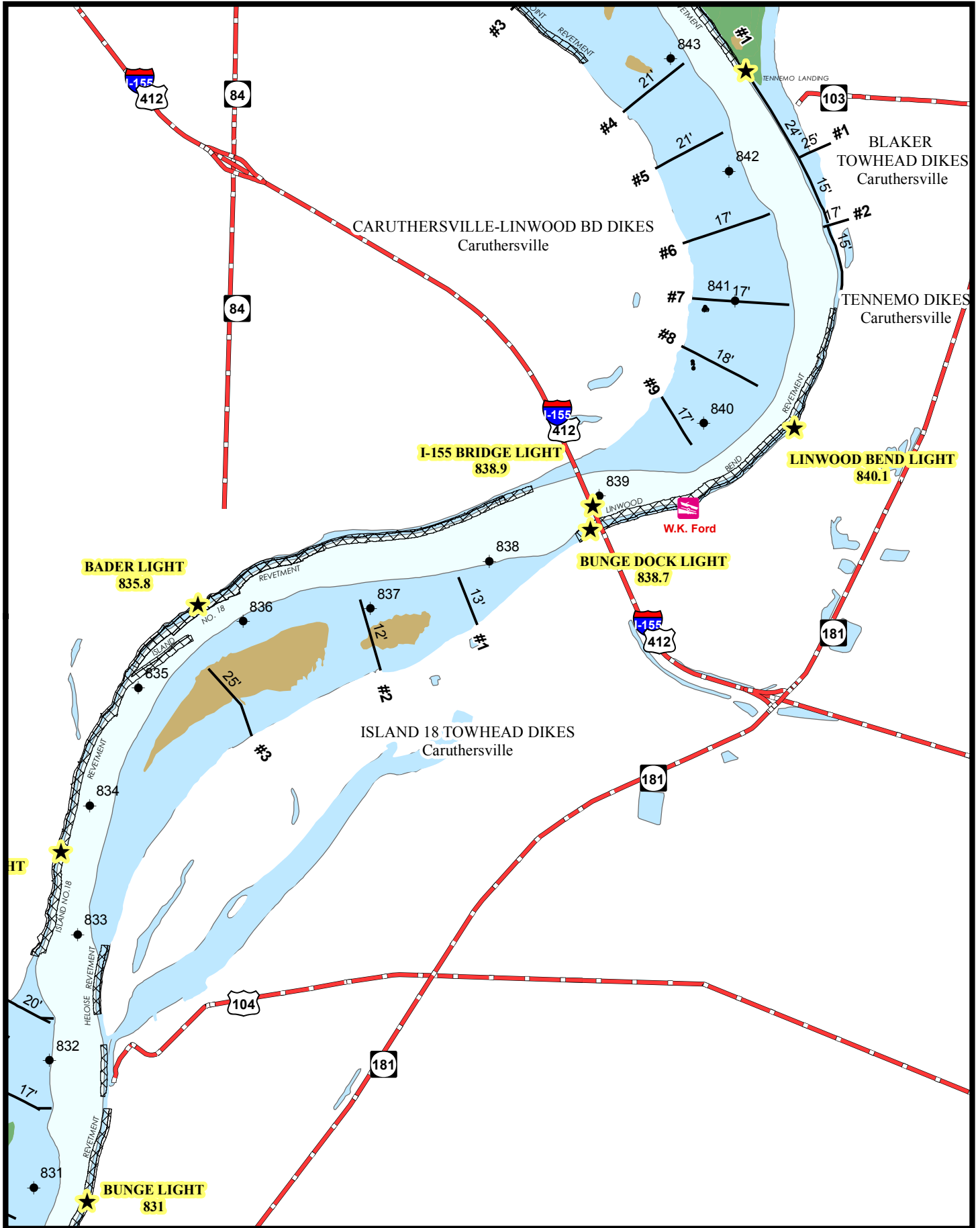


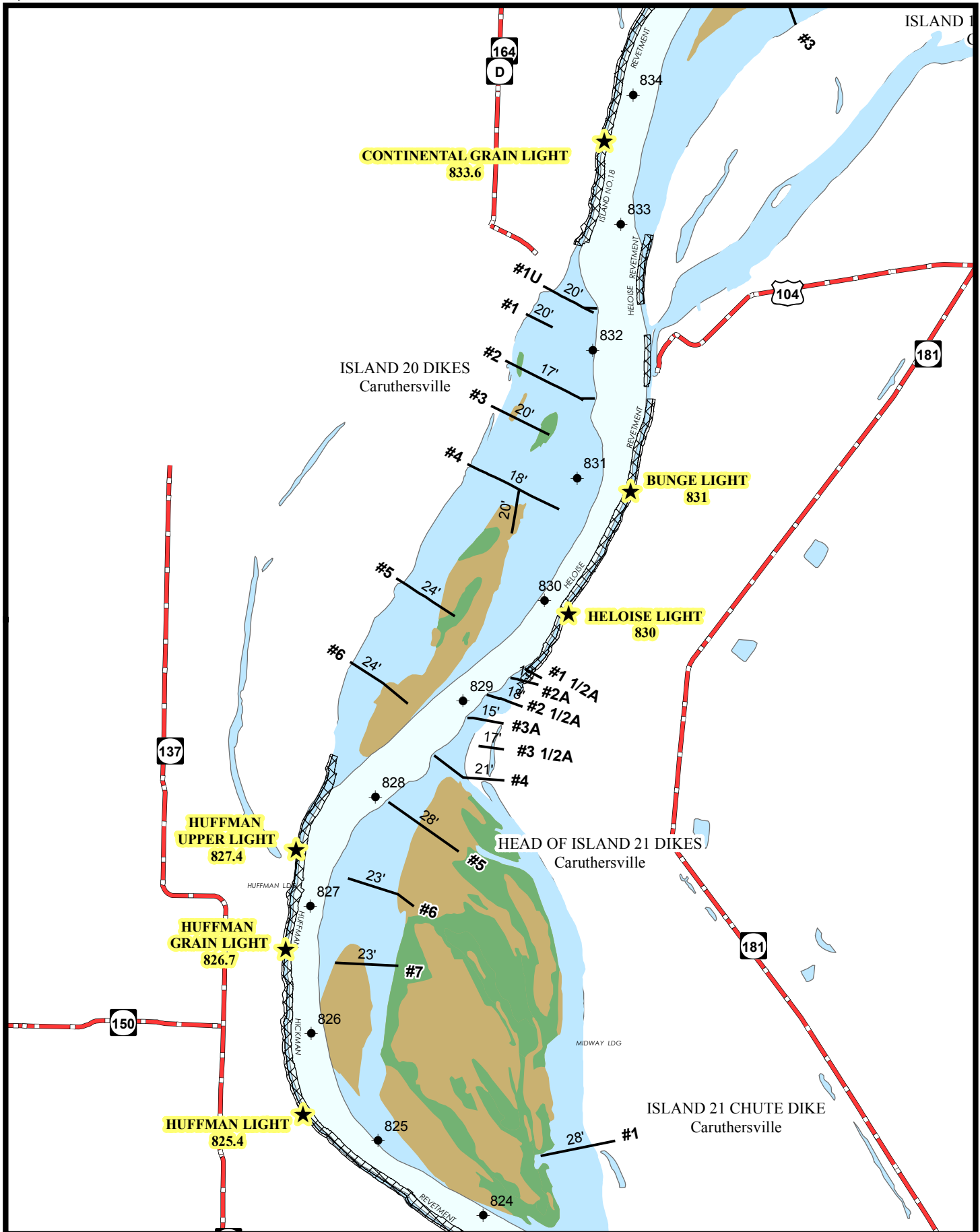


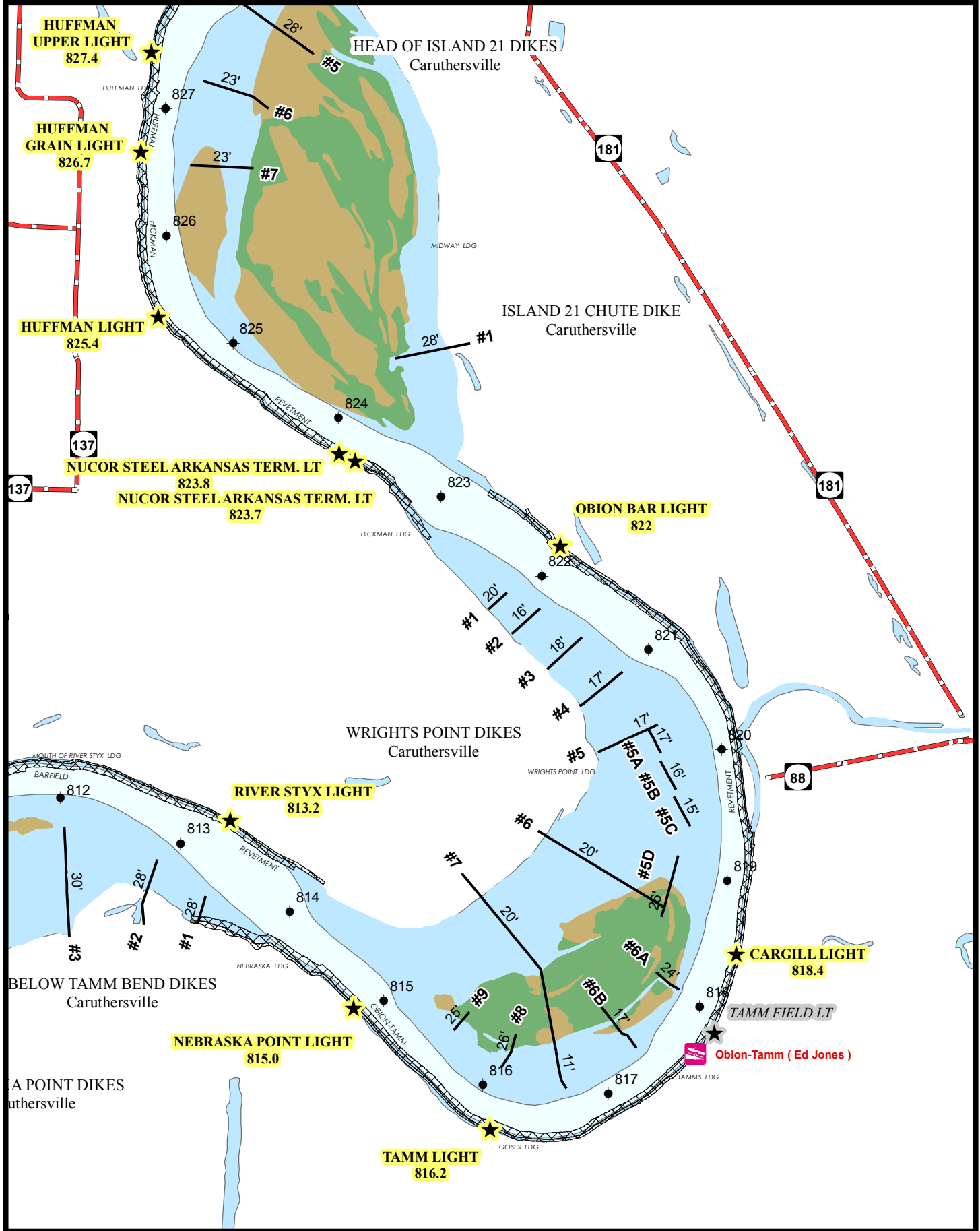


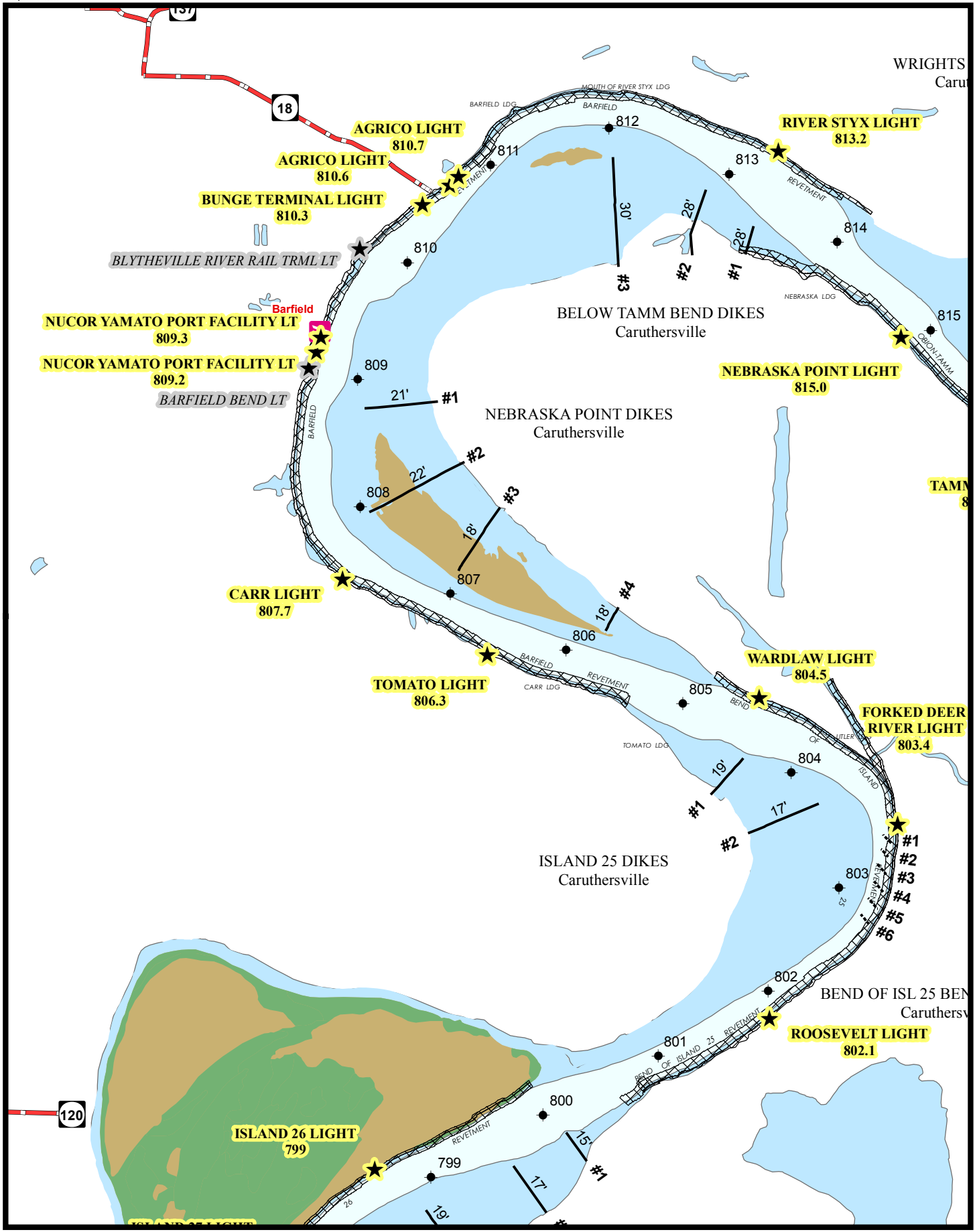
2017 NAVIGATION BULLETIN

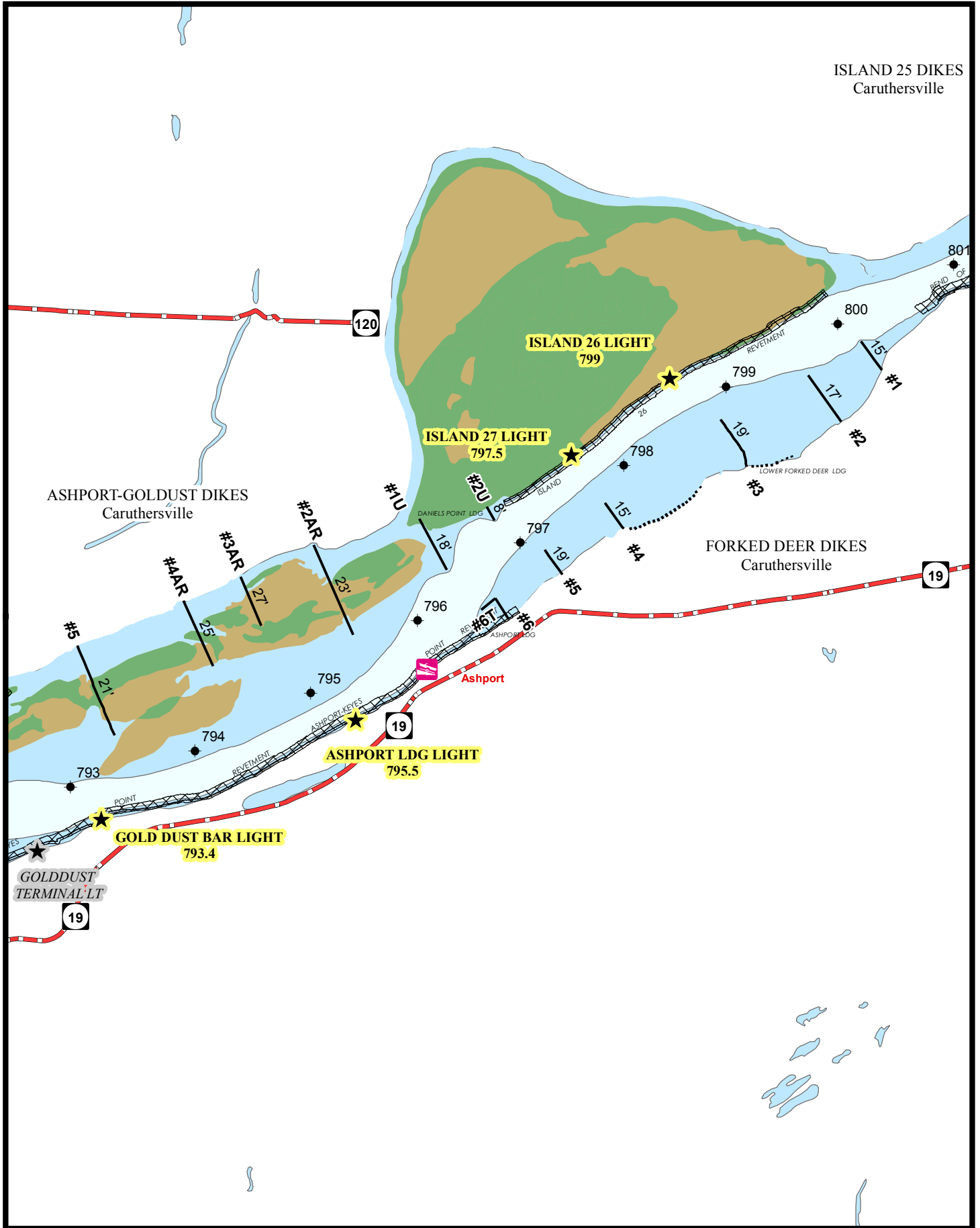


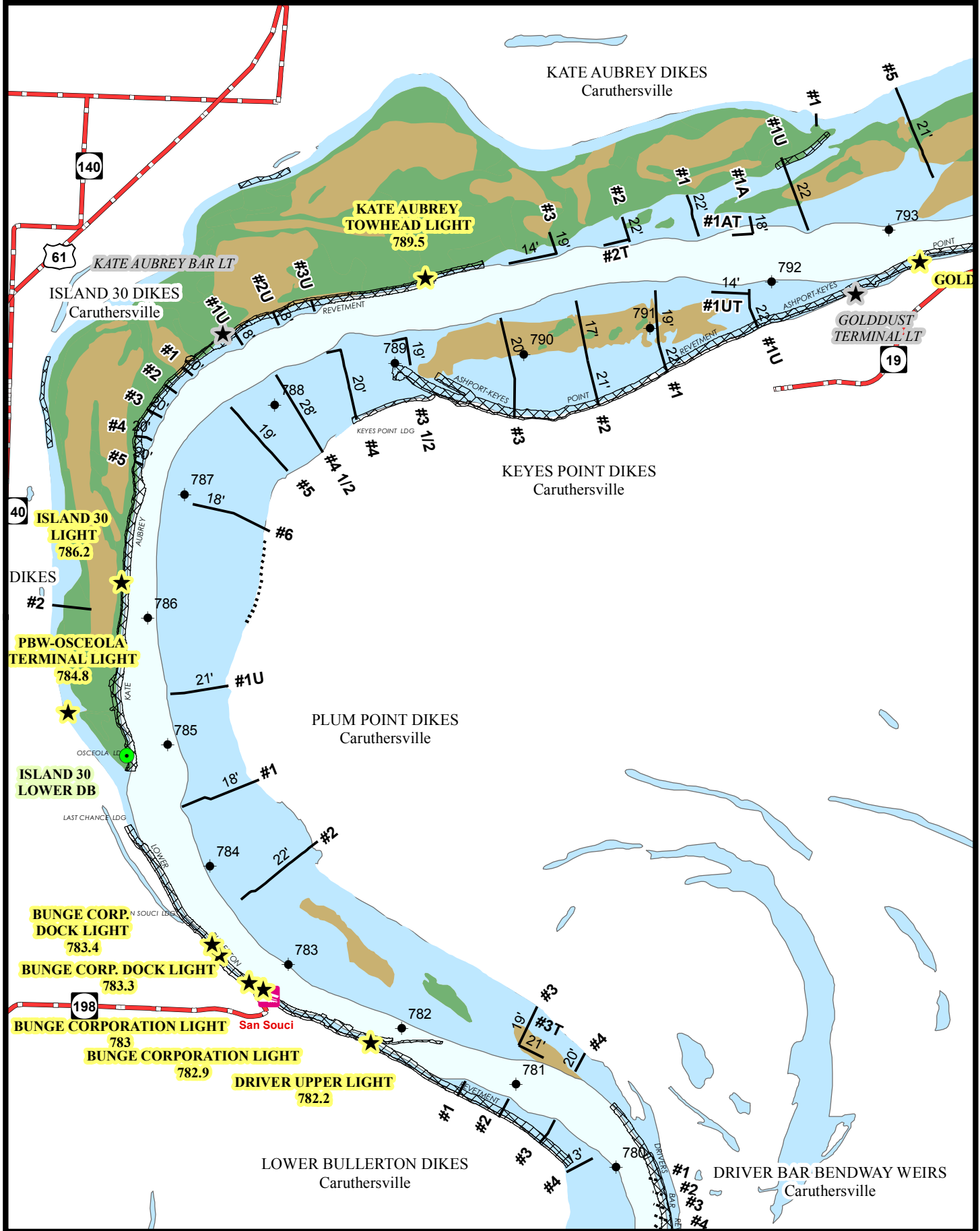




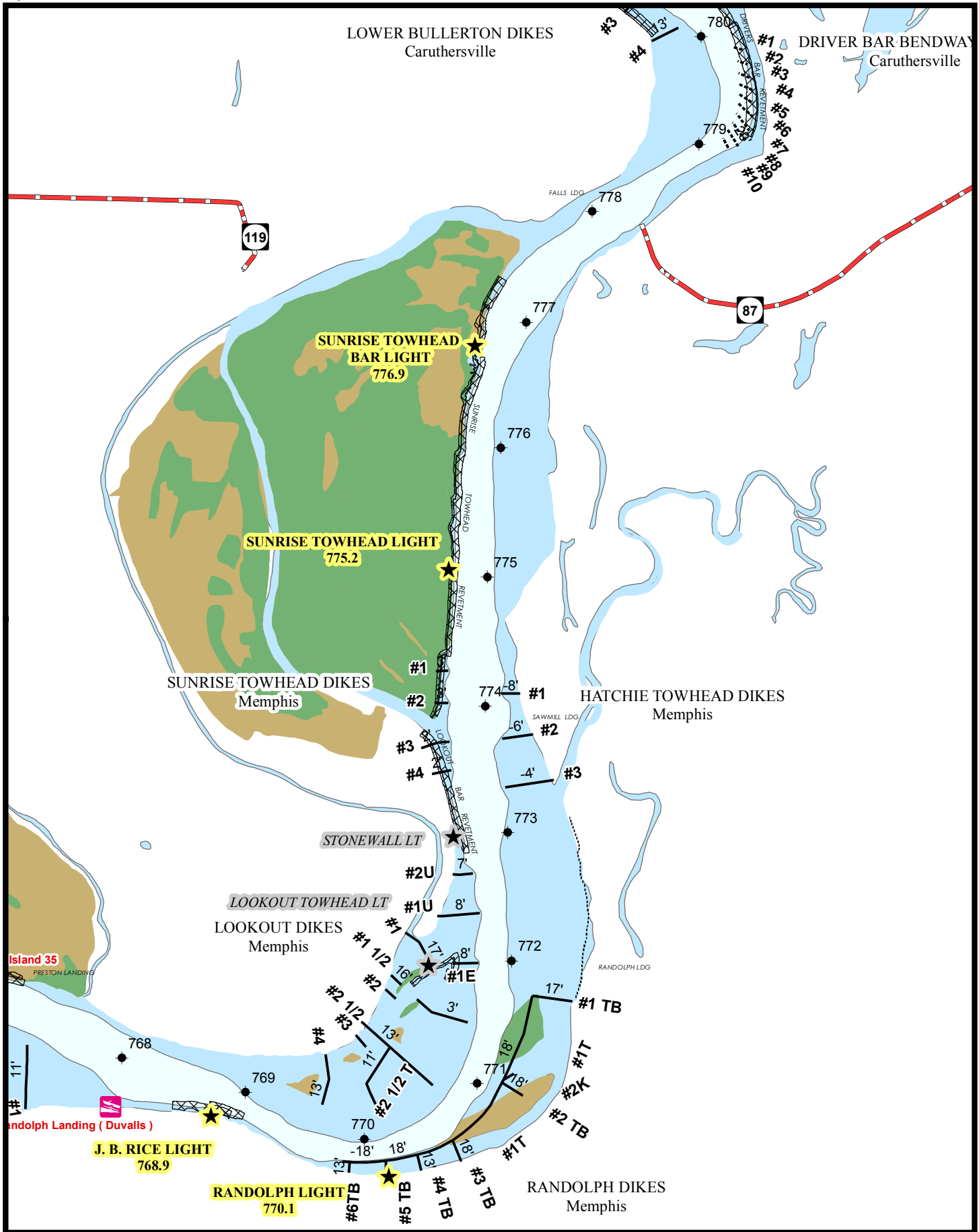


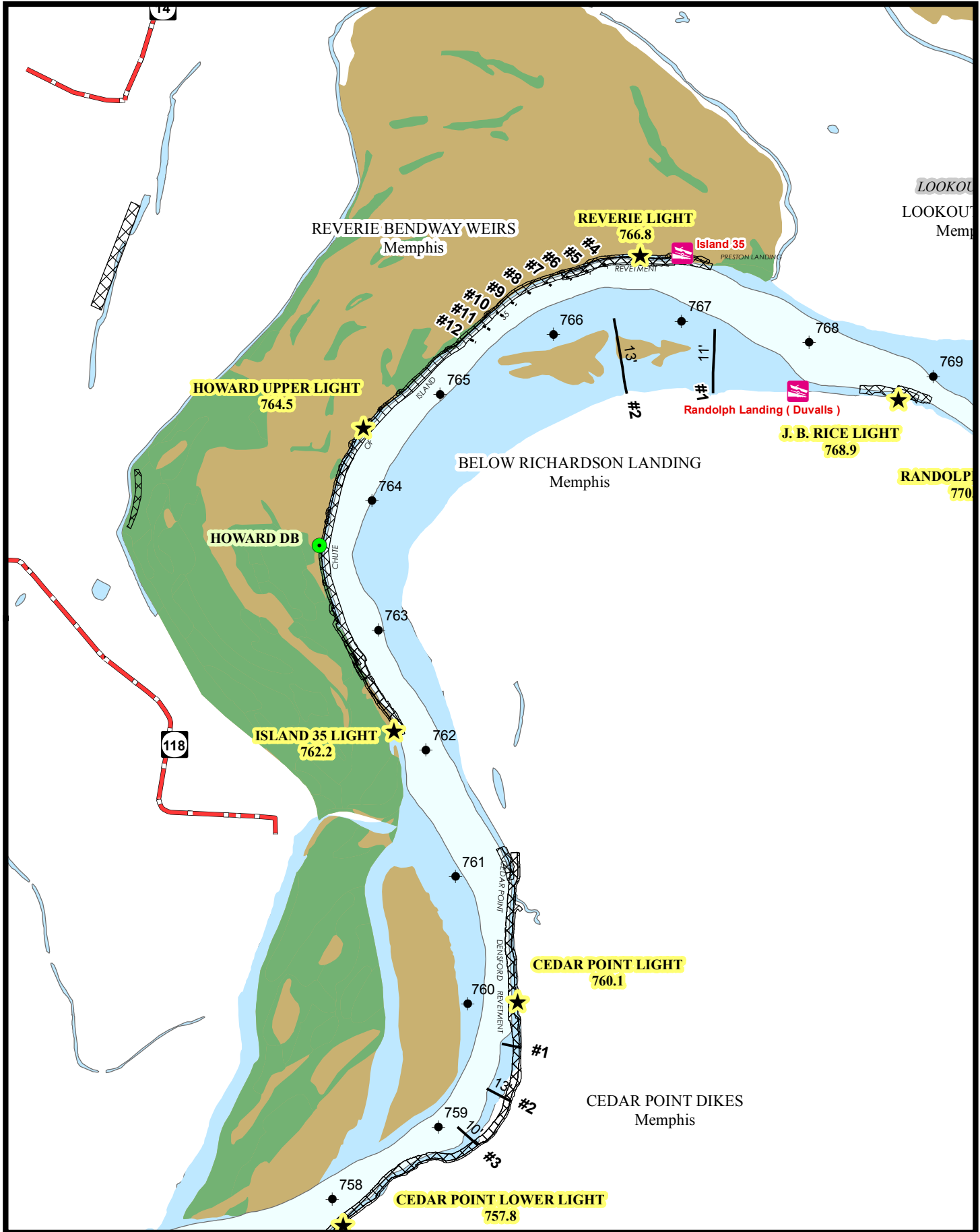


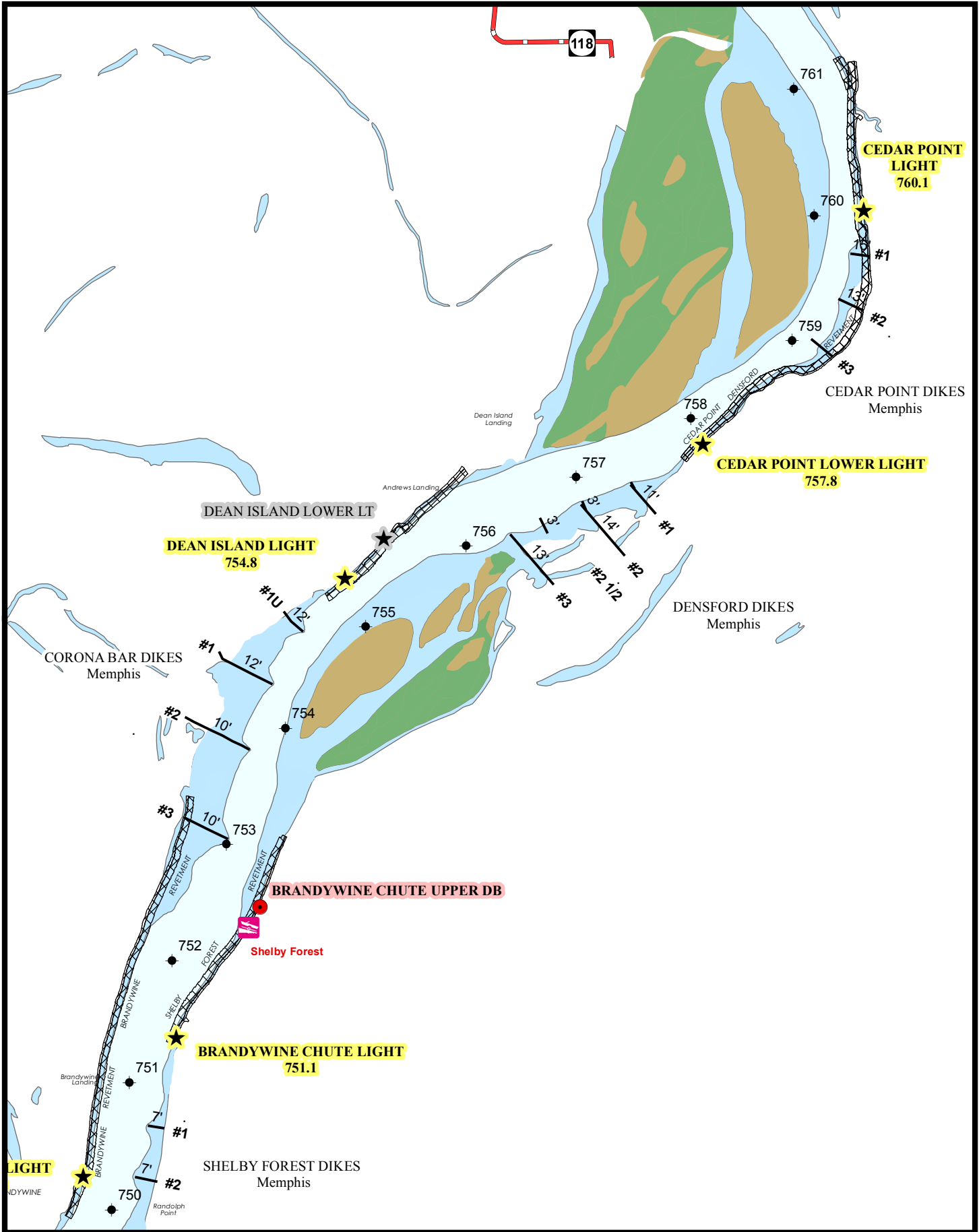


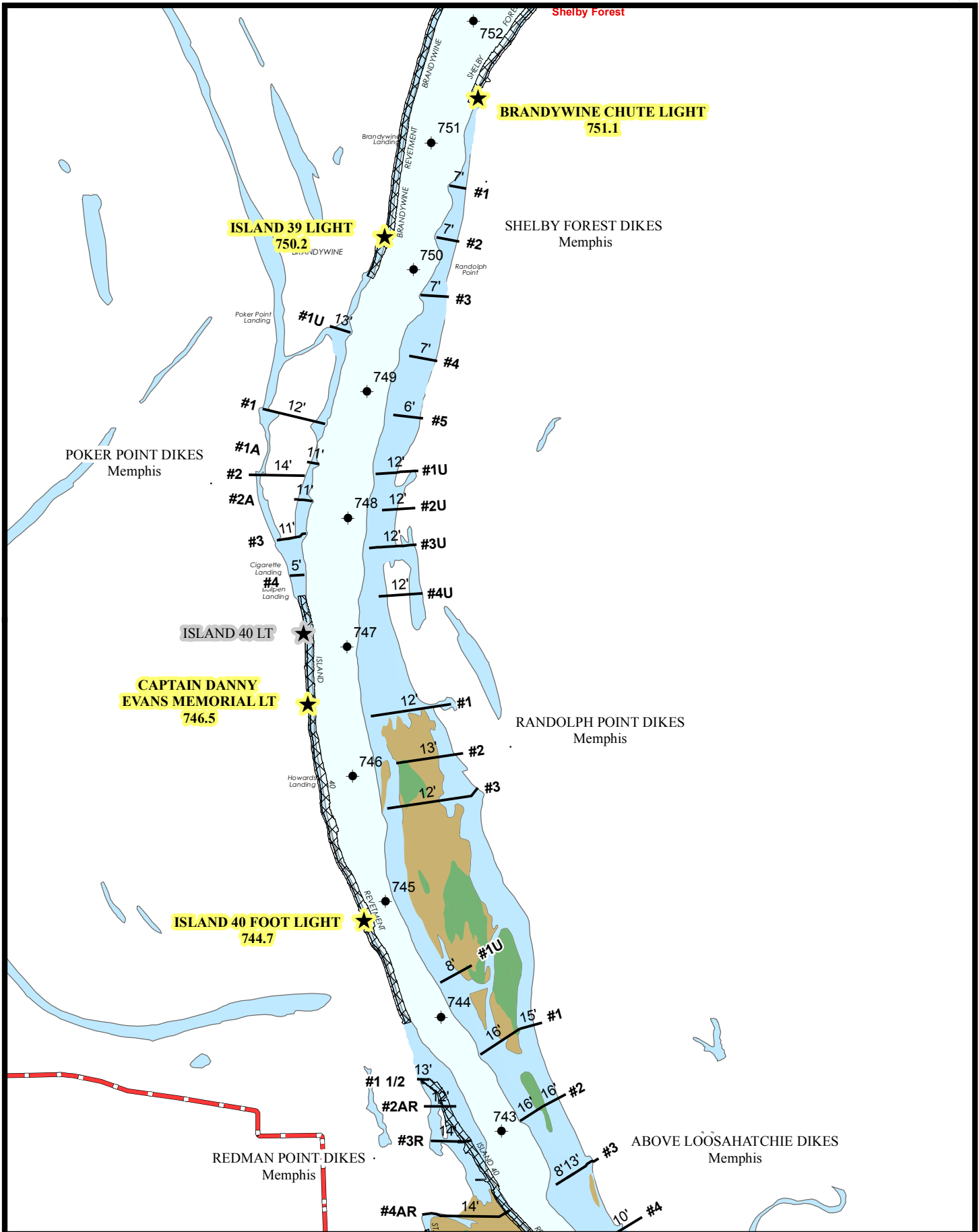


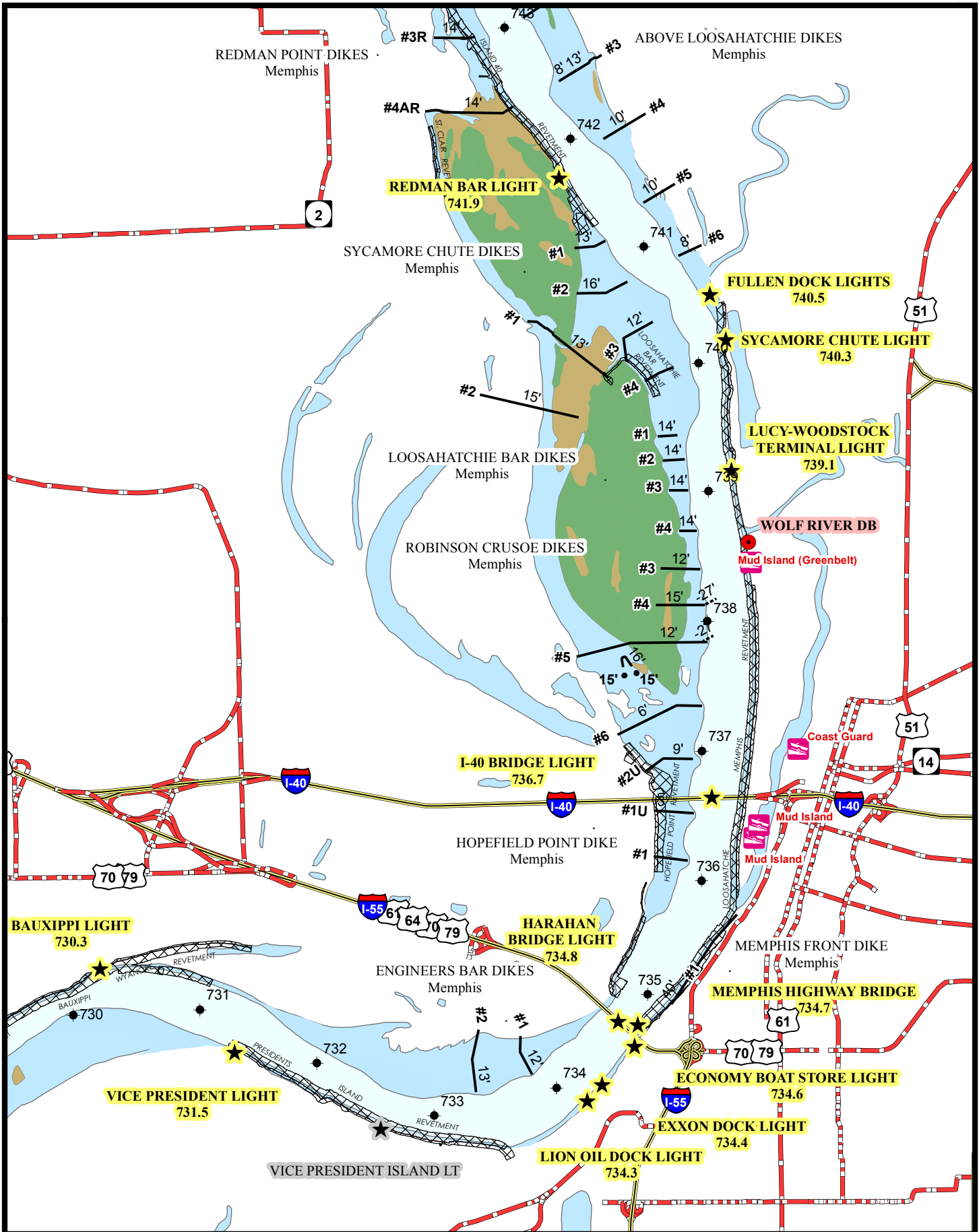
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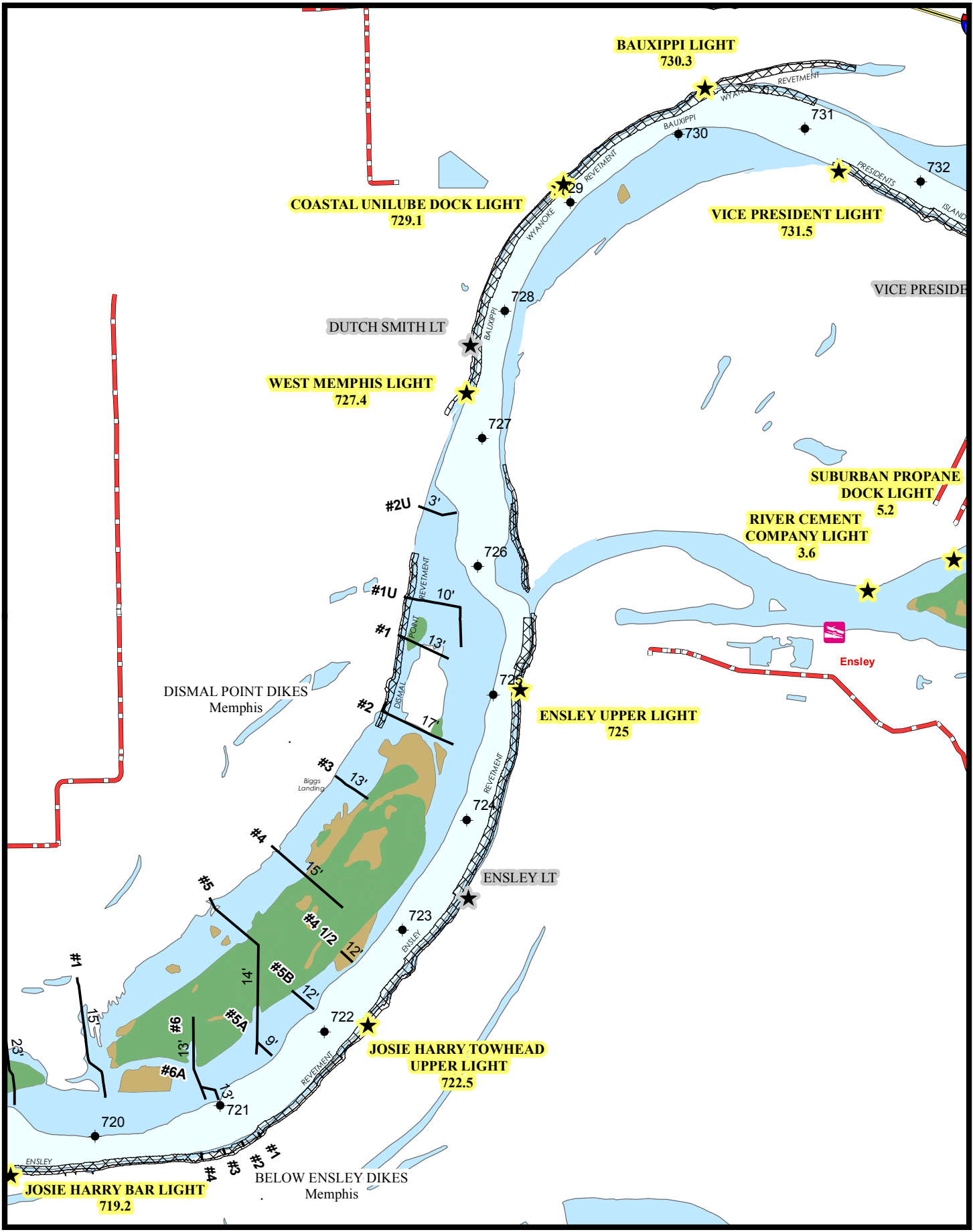


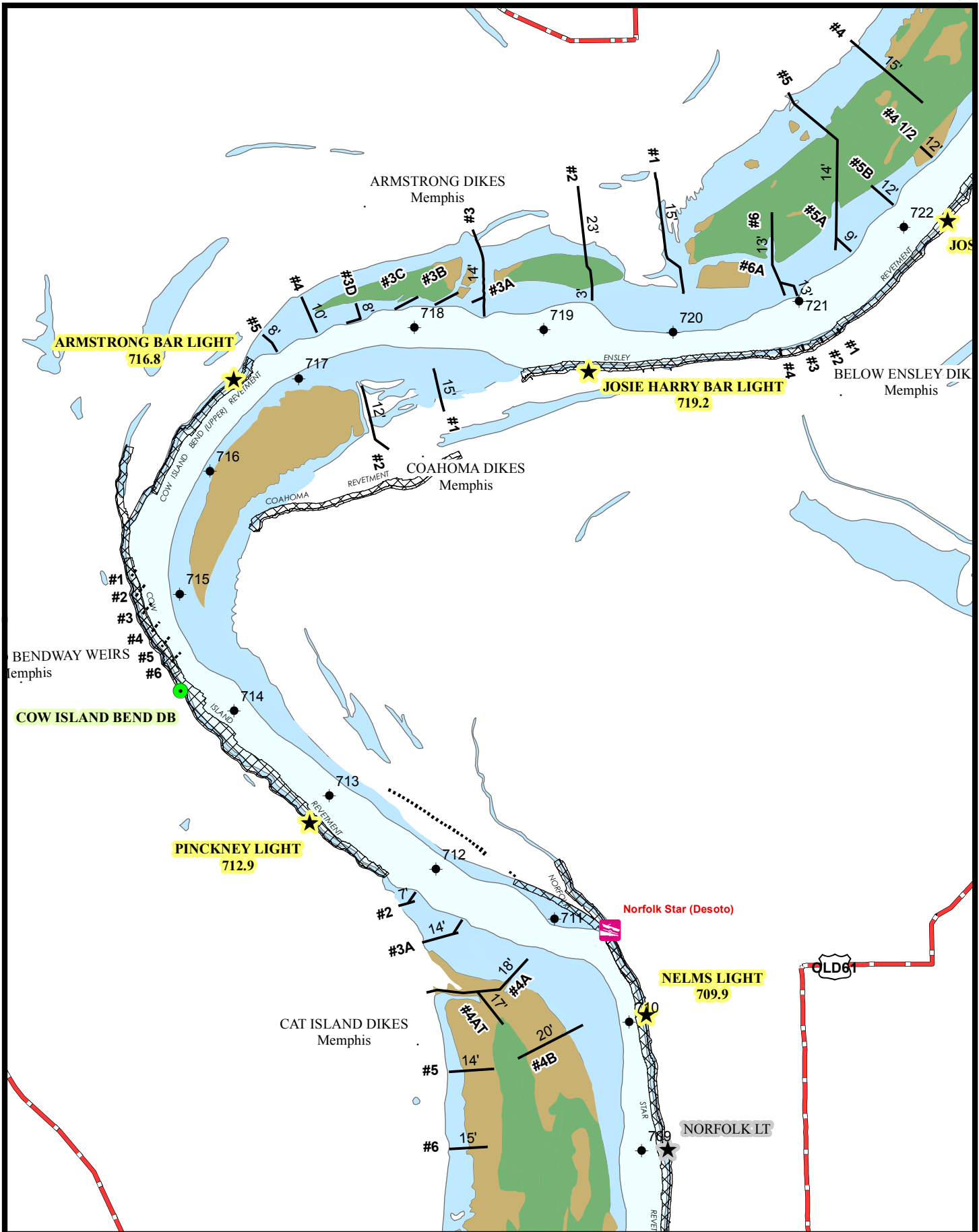


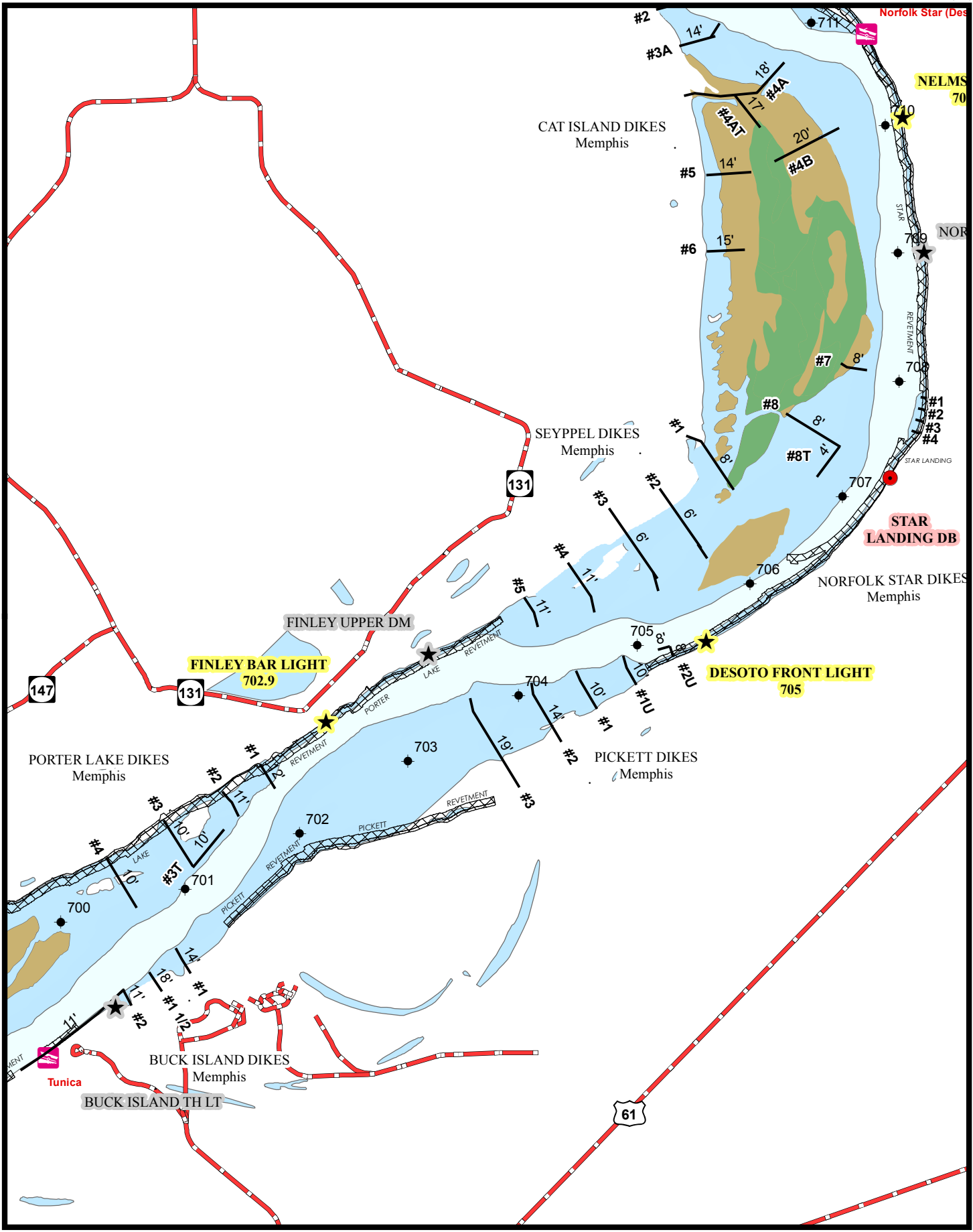


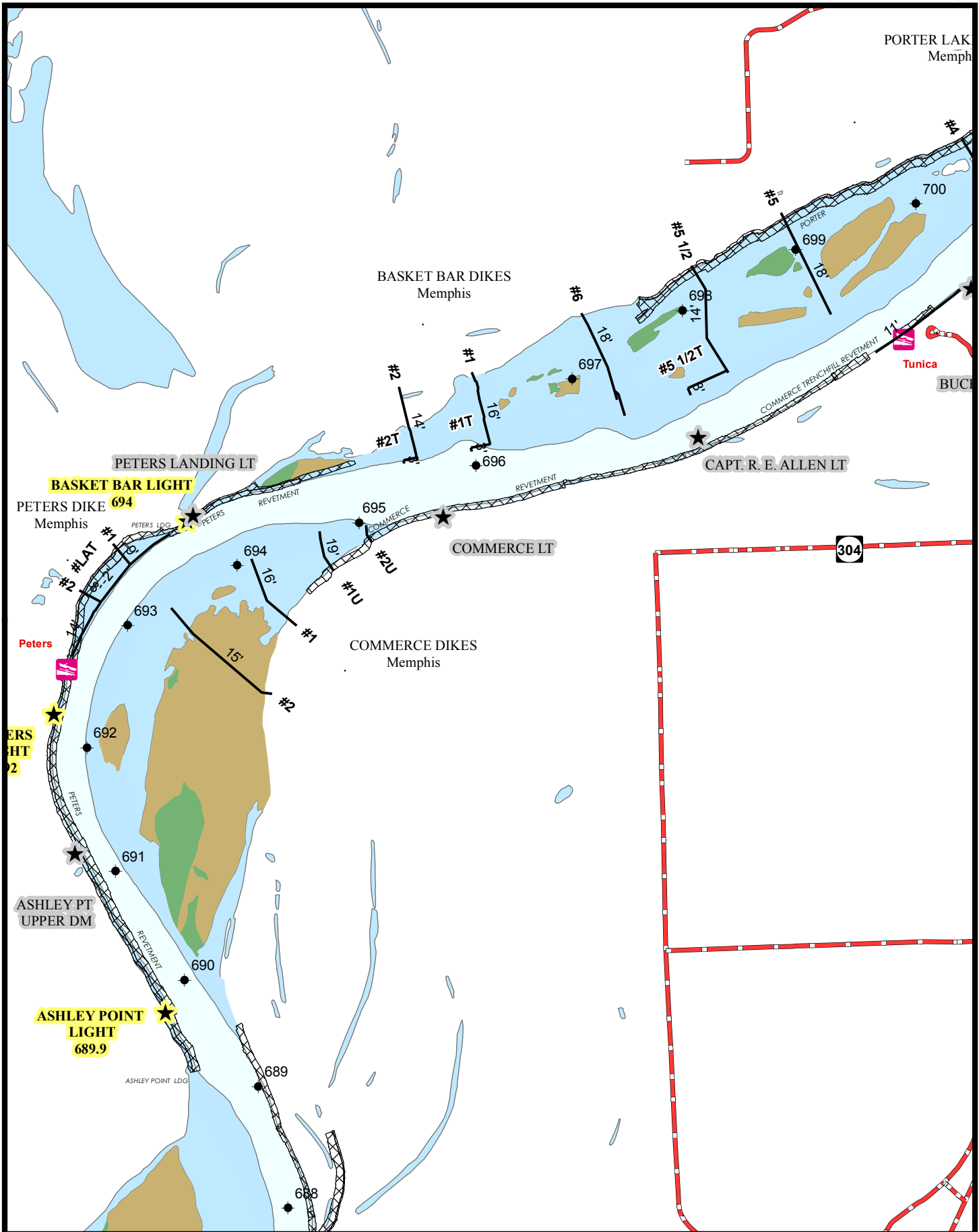


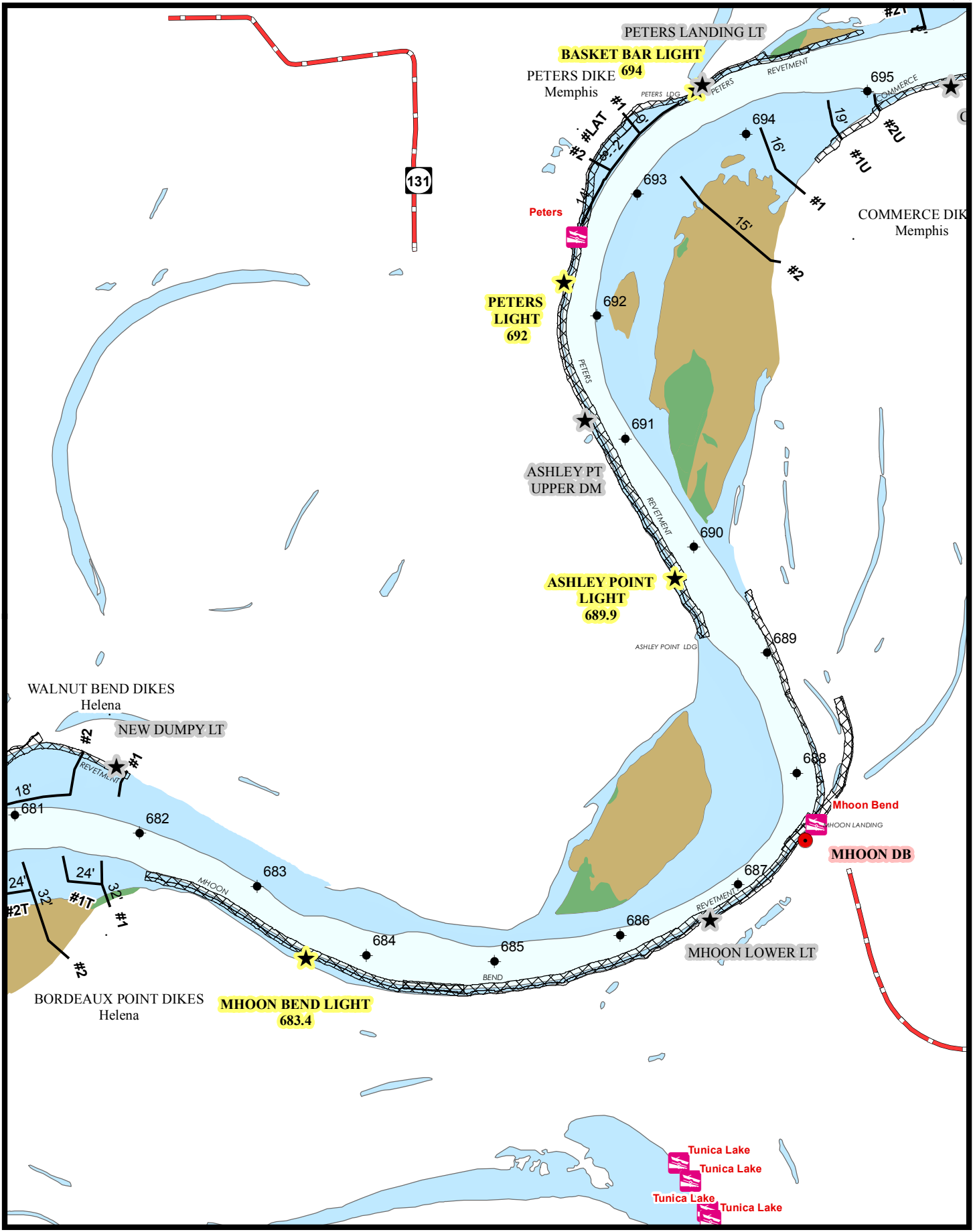
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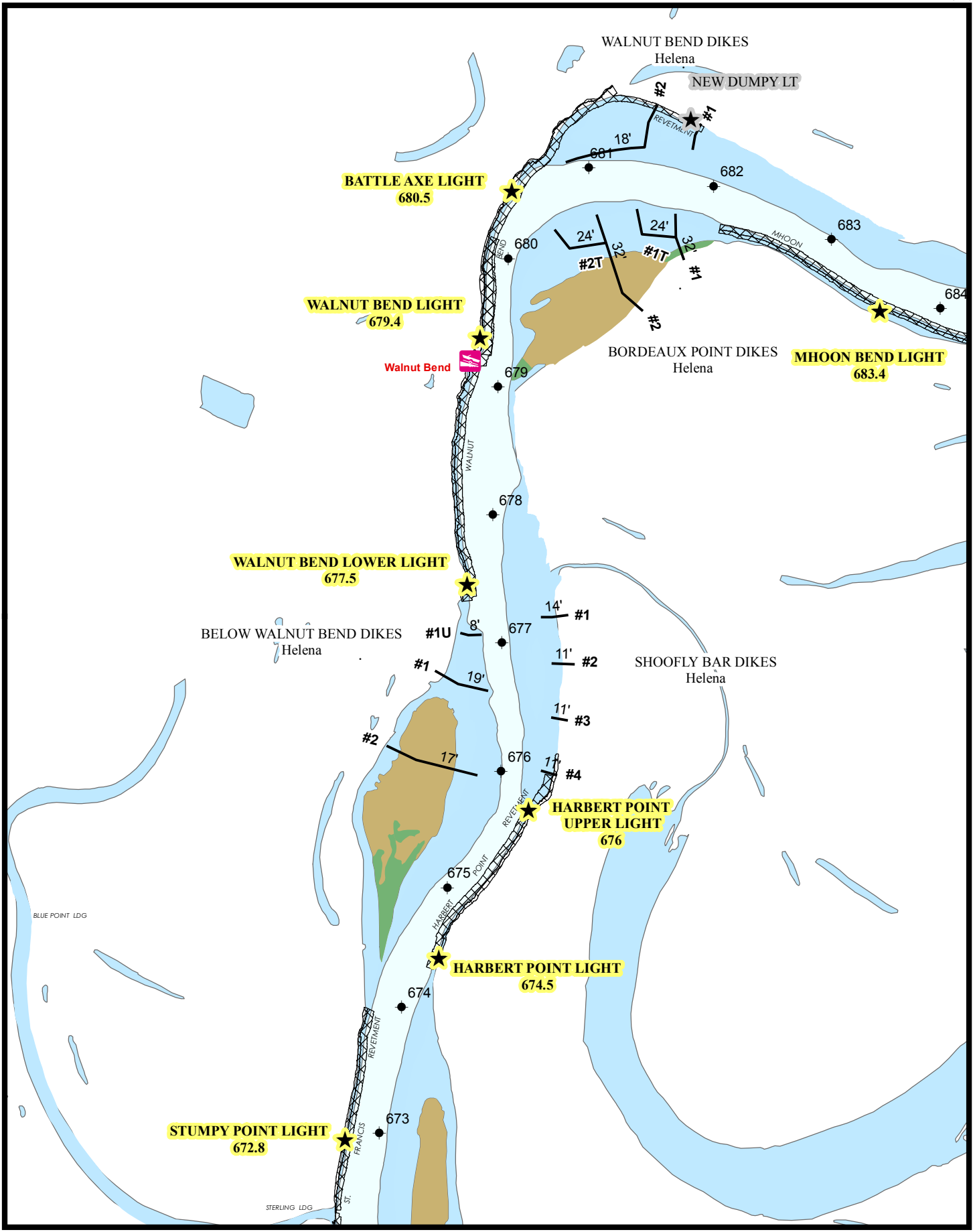


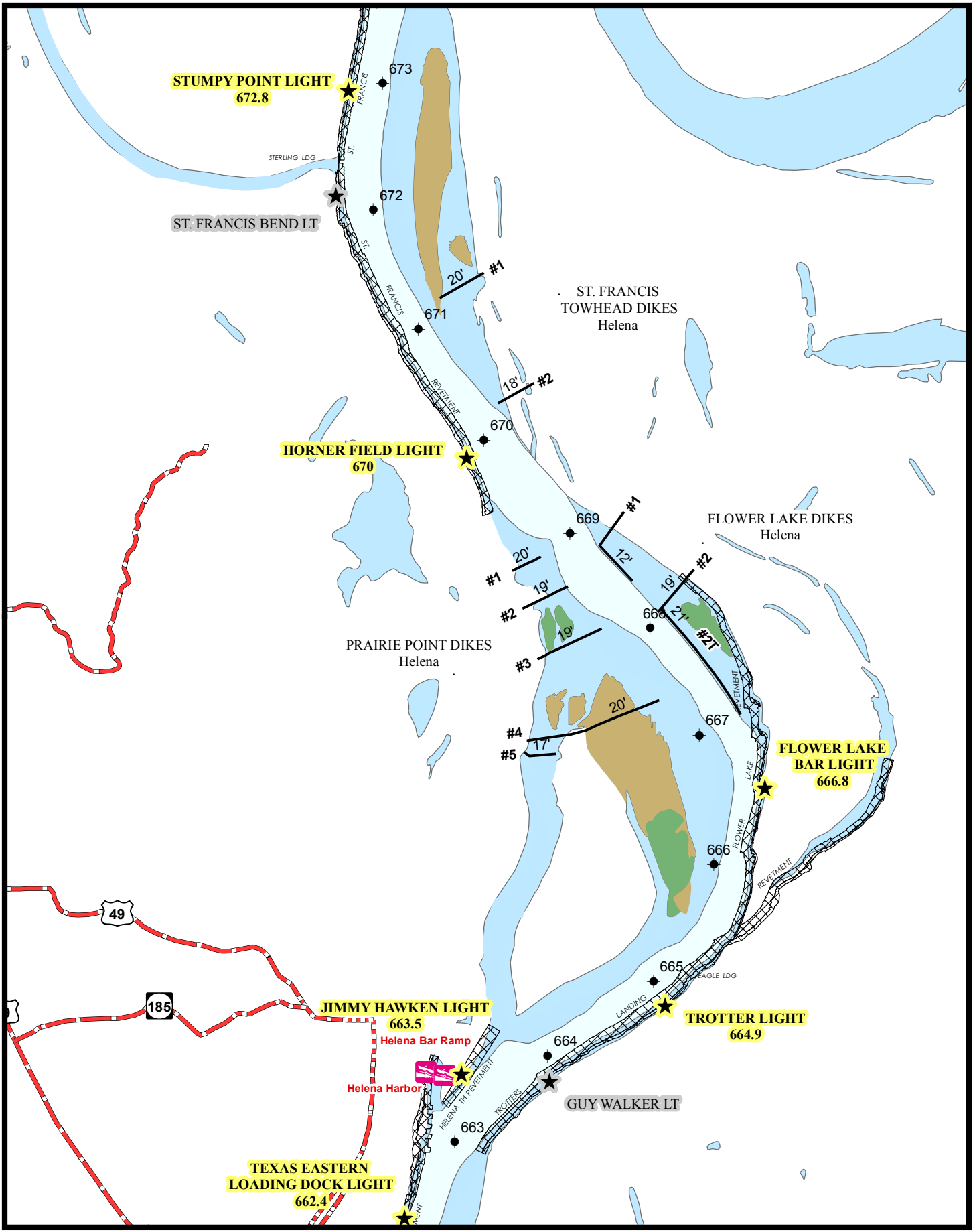












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