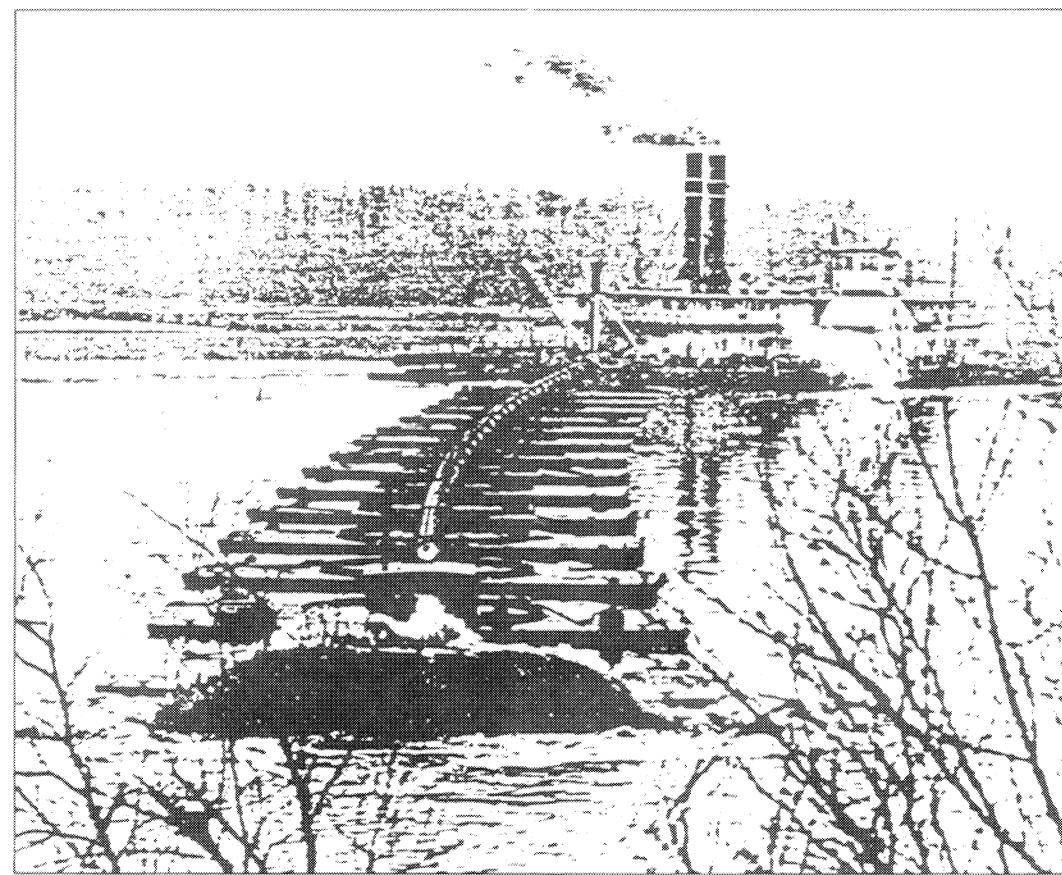




US Army Corps
of Engineers
Kansas City District

Missouri River Navigation Charts

Kansas City, Missouri
To the Mouth



THE MISSOURI RIVER

The Missouri River originates in southwestern Montana and flows in a southeasterly direction about 2,315 miles to join the Mississippi River approximately 15 miles upstream from St. Louis, Missouri. The mileage on the Missouri River is measured upstream from the confluence of the Missouri and Mississippi Rivers, mile 0.0.

NAVIGATION

The Corps of Engineers has the responsibility under Congressional authorization for the construction, operation and maintenance of the Missouri River for navigation, flood control and related purposes, including flow regulation and bank protection. The navigation project extends from Sioux City, Iowa to the mouth, a distance of 734 miles. The completed project provides a continuous navigation channel 9' deep and 300' wide, which is designed to flow along the concave side of the bends and through the crossing between bends.

The commercial navigation season is normally from latter March to latter November at Sioux City, and from the first of April to the first of December at the mouth. Ice conditions and low water preclude navigation the rest of the year. Specific minimum flow rates are required during the navigation season to provide adequate depths and width. To meet this, insufficient natural flows are augmented by releases from upstream reservoirs. A flow of 30,000 to 35,000 cubic feet per second is generally maintained at Sioux City and Omaha, and 35,000 to 40,000 cubic feet per second at Kansas City. During the navigation season, river stages vary from a range of about one foot at Sioux City to around 15 feet at Hermann, Mo., and the velocity of the flow varies from 2 1/2 to 7 miles per hour.

NAVIGATION (CON'T)

Charts covering the navigable portion of the Missouri River in two volumes may be obtained from the offices listed below. Orders for charts submitted by mail should be accompanied by check or money order payable to the "Omaha District, Corps of Engineers".

District Engineer
U. S. Army Engineer District, Omaha
Corps of Engineers
215 North 17th Street
Omaha, Nebraska 68102-4978

District Engineer
U. S. Army Engineer District, Kansas City
Corps of Engineers
700 Federal Building
Kansas City, Missouri 64106-2896

The latest information concerning navigation aids, or boating regulations and requirements may be obtained from the following office:

Commander
Second Coast Guard District
1430 Olive
St. Louis, Missouri 63103
TEL: 314-425-4604 Aids to Navigation (Commercial)
TEL: 314-425-5971 Boating Information

INDEX

General Notes and Index	Sheet A	Recreation Facilities	Sheet G
Safe Boating	Sheet B	Recreation Facility List	Sheet H
Aids To Navigation	Sheet C	Marine VHF Stations	Sheets I,J
Legend	Sheet D	Mileage Chart	Sheet K
River Terminals & Facilities . . .	Sheets E,F	Index to Navigation Charts	Sheets L,M
		Navigation Charts	Nos. 1 to 72 inc

FOR SAFE BOATING

BEFORE YOU WEIGH ANCHOR . . .

- Small boat operators should have a working knowledge of the basic maritime rules and regulations. These are covered in Coast Guard publication CG-184, "Rules of the Road, Western Rivers," available from Commander, Second Coast Guard District, St. Louis, Mo., or the U. S. Government Printing Office, Washington, D.C. Federal requirements for motorboats are contained in CG-290.
- The law requires Coast Guard approved life jackets for all passengers. Be water wise and wear yours while afloat.
- Maintain all required equipment in ship-shape condition. Check State and Federal laws.
- Equip your boat with a first aid kit, oars or paddles, and an anchor with a minimum of 100' of line for use in emergencies.
- Do not overpower or overload your boat. Remember, the number of seats does not indicate capacity.
- Always inform another person of your boating intentions – where you are going and when you intend to return. Stay ashore in threatening weather, or visibility is poor.
- Obey all fire safety rules when filling with gasoline. Gasoline vapors are explosive, and being heavier than air will settle in the lower parts of a boat.
- Always carry a portable radio for receiving weather forecasts or storm warnings.

WHILE NAVIGATING . . .

- Avoid navigating close to pile or rock structures. It is particularly hazardous to navigate immediately upstream or off end of dikes. Some dike ends are submerged and not visible.
- Yield the right-of-way to all large commercial tows. It is impossible for tows to maneuver to any degree or to stop, due to the swift current and narrow channel wherein they are limited to operate.
- Avoid navigating in the vicinity of construction work or dredging operations.
- Avoid bridge piers since the river is very swift and turbulent around them.
- Beware of sand bars, drift and snags when operating out of the buoys channel.
- Observe all port regulations. Navigate in the vicinity of port areas with caution.
- Always stay alert for other boats, fisherman, and partly submerged logs. Be courteous – watch your wake. Travel in the buoys channel.
- Don't anchor in a buoys channel.
- If your boat capsizes or swamps, hang on to it. Do not try to swim to shore. "Swim" the capsized boat toward safety.
- Land your craft headed upstream when operating in the current of the river. Downstream landings are dangerous in swift current.

AIDS TO NAVIGATION

The Coast Guard has the responsibility of maritime law enforcement, providing navigational aids to maritime commerce, saving life and property, and for the promotion of small boat safety on navigable waters by virtue of the Federal Boating Act of 1958.

Aids to navigation on the Missouri River are maintained by the Coast Guard during the navigation season from Sioux City to the mouth. The aids include lights, daymarks and unlighted buoys. The daymarks and the buoys have reflectors or reflector material to increase nighttime visibility.

Black can buoys mark the right-hand side of the channel and red nun buoys mark the left-hand side of the channel as observed looking downstream.

Buoys are set to mark the maximum navigation channel available considering channel alignment, the prevailing river stage, and obstructions. They do not appear on these charts since they are moved frequently as channel changes occur.

Buoys should always be given as wide a berth in passing as possible consistent with the length and width of vessel or tow and the width of the bend or crossing.

Buoys should always be used with caution. They may be carried off position by high water, accumulation of drift, or sunk by collision or other causes. When carried off position, destroyed, or removed to prevent loss, buoys are replaced at the earliest opportunity.

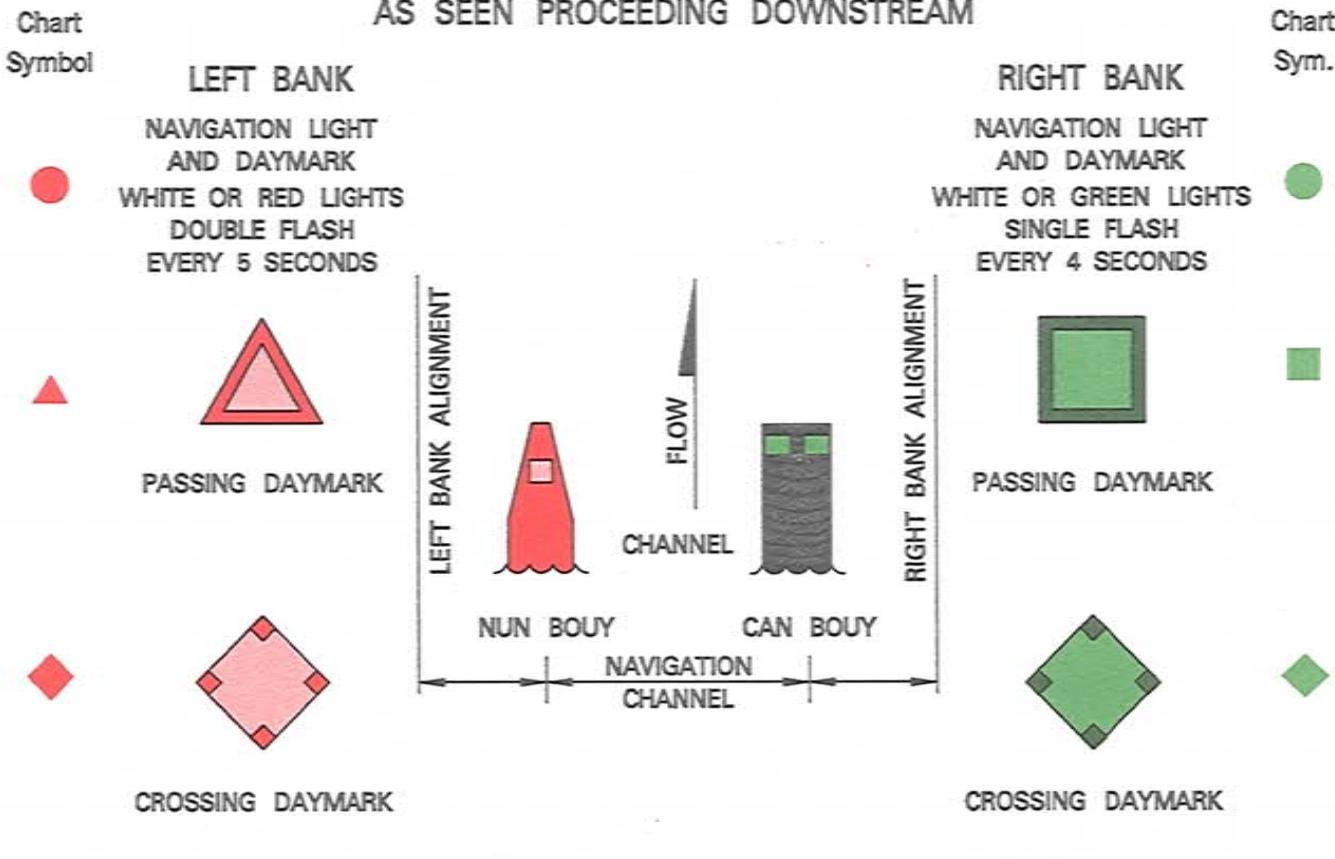
Lights and daymarks are shown in approximate locations.

Bridges are lighted for nighttime navigation safety. Piers display the warning red light, while navigable channel spans are marked with a green light.

Mile markers showing channel mileage above the mouth are maintained by the Corps of Engineers. These are large blue sign boards with the mileage indicated in silver figures. Mile markers appear every mile on either the right or left bank, usually on the concave side.

AIDS TO NAVIGATION

AS SEEN PROCEEDING DOWNSTREAM



367

MILE BOARD

452

MILE BOARD

Chart
Sym.

C

LEGEND

Bridge Road and Railroad		Road		Navigation Light-See Plate C	
Swing Bridge Road and Railroad		State Road		Passing Daymark-See Plate C	
Vertical Lift Bridge Road and Railroad		Federal Road		Crossing Daymark-See Plate C	
Overhead Power Crossings		Interstate Road		Private Lights	
Telephone Overhead Crossing		Railroad (Single)		Steering Direction Box (For Commercial Tows)	
Pipeline Overhead Crossing		Railroad (Multiple Track)		Gage	
Submarine Crossing		Flow Arrow		Mile Number	
Dike		Sailing Line		Commercial Dock	
Submerged Dike		Trail		Boat Landing	
Revetment riverward of water's edge				Dock	
Revetment				Ramp	
Levee				Intake Structure	

COMMERCIAL RIVER TERMINALS AND FACILITIES

TERMINALS	FACILITIES	LOCATION			OPERATOR		
		TOWN	MILE	BANK	NAME	ADDRESS	PHONE
Holliday Sand and Gravel Co.	Sand and gravel unloading	Parkville, Mo.	378.3	L	Owner	6811 W. 63rd St., Overland Park, Ks.	913-236-5920
Texaco Oil Co.	Bulk petroleum storage	Parkville, Mo.	376.3	L	Owner	8805 45 HWY, Parkville, Mo.	816-741-4164
Intercontinental Engr. and Mfg Co.	Loading and unloading dock	Parkville, Mo.	375.6	L	Intercontinental Engineering and Manufacturing Co.	P.O. Box 9055, K.C., Mo.	816-741-0700
Union Equity Co-op	Grain loading	Kansas City, Kans.	373.0	R	Owner	940 Kinderberger Rd., K.C. Kans.	913-459-6000
Bennett Rogers Pipe Coating, Inc.	Bulk and liquid unloading dock	Kansas City, Kans.	372.4	R	Owner	900 Kinderberger Rd., K.C., Ks.	913-371-3880
Williams Brothers Pipeline Fertilizer	Liquid fertilizer solutions unloading dock	Kansas City, Kans.	368.2	R	Owner	401 E. Donovan, K.C. Kans.	913-281-2445
Bartlett and Company, Inc.	Grain loading	Kansas City, Kans.	367.7	R	Owner	Board of Trade, K.C., Mo.	816-753-6300
Kansas City, Kansas Public Terminal	Loading and unloading dock	Kansas City, Kans.	367.7	R	Owner	1 River City Drive, K.C., Kans.	913-281-5300
Missouri River Queen	Loading and unloading dock	Kansas City, Kans.	367.4	R	Owner	5750 E. Front St., K.C., Mo.	816-231-8811
Midwest Term. Warehouse Co.	Grain loading and warehouse	Kansas City, Mo.	367.1	R	Owner	5750 E. Front St., K.C., Mo.	816-231-8811
K.C., Mo. Public Terminal (Midwest)	Loading and unloading dock	Kansas City, Mo.	367.1	R	Owner	407 Liberty St., K.C., Mo.	816-842-7372
Amer. Compressed Steel Co.	Scrap steel loading	Kansas City, Kans.	366.9	R	Owner	414 E. 12, K.C., Mo.	816-274-2565
Kansas City, Mo.	Warehouse platform	Kansas City, Mo.	365.9	R	Owner	414 E. 12, K.C., Mo.	816-274-2565
Kansas City, Mo.	Loading Dock	Kansas City, Mo.	365.4	R	Owner	Board of Trade, K.C., Mo.	816-756-0587
Cargill Grain, Inc.	Grain loading	Kansas City, Mo.	364.2	R	Owner	3640 Front St. * K.C., Mo.	816-224-2415
Borchers Fuel	Fuel dock	Kansas City, Mo.	364.1	R	Owner	4801 NE Birmingham Rd., K.C., Mo.	816-452-2161
Continental Grain Co.	Grain loading	Kansas City, Mo.	361.6	L	Owner	5801 NE. Birmingham Rd. Randolph, Mo.	816-452-3122
K.C. Terminal Elevator Co.	Grain loading	Randolph, Mo.	361.0	L	Owner	6301 NE. Birmingham Rd. Randolph, Mo.	816-454-8244
Chemtech Corp.	Chemical unloading	Randolph, Mo.	360.6	L	Owner	5750 E. Front St., K.C., Mo.	816-231-8811
La Moth Landing	Coke loading and unloading dock	Randolph, Mo.	360.4	L	Owner	6811 W. 63rd St., Overland Park, Ks.	913-236-5920
Holliday Sand and Gravel Co.	Haydite loading dock	Randolph, Mo.	360.1	L	Owner	6811 W. 63rd St., Overland Park, Ks.	913-236-5920
Holliday Sand and Gravel Co.	Sand and gravel unloading	Randolph, Mo.	360.1	L	Owner	7000 Roberts St., K.C., Mo.	816-242-5100
Armco Steel Co.	Scrap steel unloading	Sugar Creek, Mo.	357.6	R	Owner	1000 N. Sterling, Sugar Creek, Mo.	816-836-6000
Amoco Oil Co. (Distribution Center)	Unloading dock and refueling facilities	Sugar Creek, Mo.	356.6	R	Owner	4200 N. Cement City Rd. Sugar Creek, Mo.	816-461-3570
Kansas City River Terminal	Fertilizer unloading dock	Sugar Creek, Mo.	355.8	R	Owner	4200 N. Cement City Rd. Sugar Creek, Mo.	816-461-3570
Chevron Chemical Co.	Fertilizer unloading dock	Sugar Creek, Mo.	355.8	R	Owner	P.O. Box 517, Independence, Mo.	816-252-0333
Mo. Portland Cement Co.	Cement loading	Sugar Creek, Mo.	354.8	R	Owner	Quarry & 210, Missouri City, Mo.	816-781-6459
Missouri Rock Quarry Inc.	Rock Loading	Missouri City, Mo.	345.7	L	Owner	21500 E. Truman Rd., Indep., Mo.	816-796-4400
Independence Power Plant	Unloading dock	Missouri City, Mo.	345.3	L	Owner	Sibley, Mo.	816-249-3012
Sibley Power Plant	Coal unloading	Sibley, Mo.	336.7	R	Owner	Quarry & 210, Missouri City, Mo.	816-781-6459
Orrick (Jefferies) Quarry	Rock loading	Sibley, Mo.	333.5	L	Owner	Napoleon, Mo.	816-934-8211
U.S. Army, Corps of Engineers	Transfer of government materials	Napoleon, Mo.	328.6	R	Owner	P.O. Box 308, Lexington, Mo.	816-259-2261
M. F. A. Central Co-op	Grain loading	Lexington, Mo.	318.2	R	Owner	Box 160, Lexington, Mo.	816-259-2082
Raymond Driver Sand Co.	Sand unloading	Lexington, Mo.	317.9	R	Owner	Box 159, Carrollton, Mo.	816-542-2180
Green Quarries, Inc.	Sand unloading	Lexington, Mo.	317.1	L	Owner	P.O. Box 147, Alma, Mo.	816-493-2218
Alma Farmers Co-op Assoc.	Grain loading	Waverly, Mo.	293.3	R	Owner	Board of Trade Bldg., K.C., Mo.	816-753-6300
Bartlett and Company, Inc.	Grain loading	Waverly, Mo.	293.0	R	Owner	R.R. 4 Richmond, Mo.	816-776-2204
Green Quarries, Inc.	Sand unloading	Carrollton, Mo.	286.9	L	Owner		

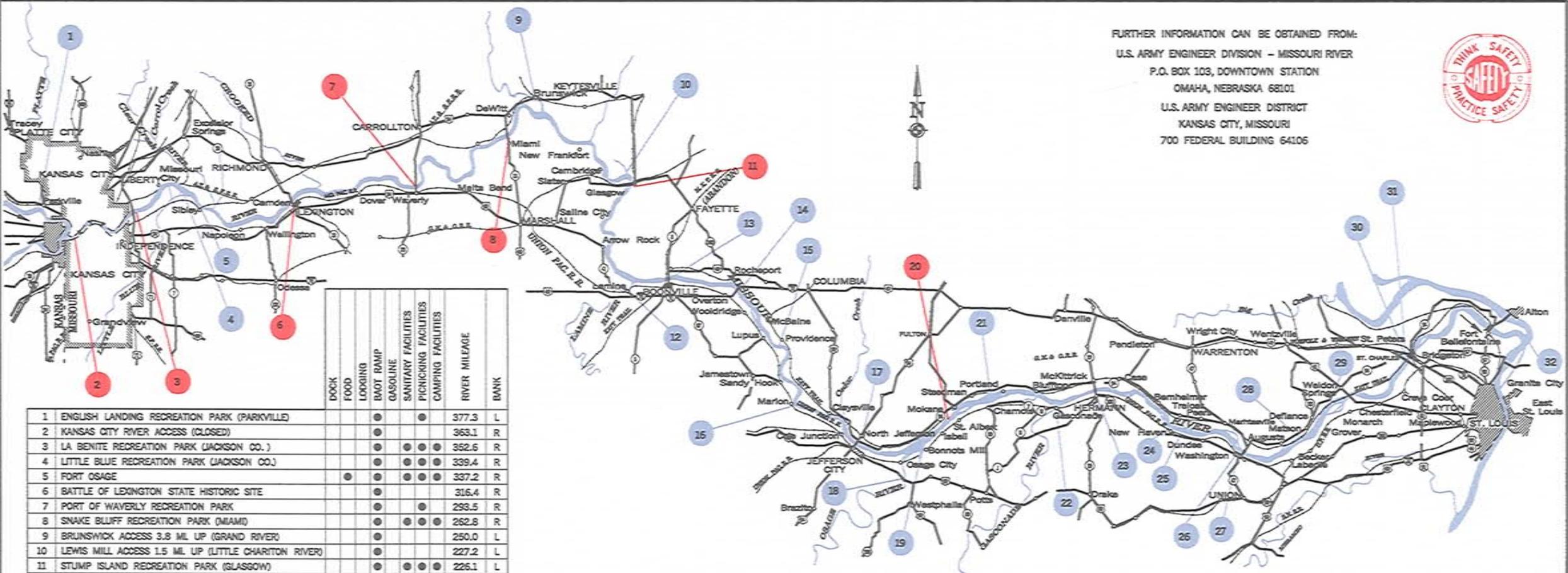
COMMERCIAL RIVER TERMINALS AND FACILITIES

TERMINALS	FACILITIES	LOCATION			OPERATOR		
		TOWN	MILE	BANK	NAME	ADDRESS	PHONE
Slater Cooperative Assoc. No. 1	Grain loading	Miami, Mo.	262.7	R	Owner	Miami, Mo.	816-852-3381
Brunswick River Terminal, Inc.	Bulk fertilizer unloading	De Witt, Mo.	256.3	L	Owner	P.O. Box 38, Brunswick, Mo.	816-886-6976
U.S. Army, Corps of Engineers	Loading platform	Glasgow, Mo.	226.4	L	Owner	Glasgow, Mo. (Office)	816-338-2278
Glasgow Co-operative Assoc.	Grain loading	Glasgow, Mo.	226.4	L	Owner	2 St., Glasgow, Mo.	816-338-2251
Capital Sand Co.	Sand and gravel unloading	Glasgow, Mo.	226.2	L	Owner	P.O. Box 156, Cedar City, Mo. 65022	314-634-2030
Glasgow Quarries	Rock Loading Dock	Glasgow, Mo.	219.0	L	Owner	Glasgow, Mo.	816-338-2798
Missouri River Sand and Gravel Co.	Sand and gravel unloading	Boonville, Mo.	197.0	R	Owner	% H.E. Johnson Co., P.O. Box 598 Columbia, Mo. 65205	314-449-2991
Interstate Marine Terminal	Fertilizer, grain, and molasses	New Franklin, Mo.	196.4	L	Owner	512 Spring ST., Boonville, Mo.	816-848-2977
Howard-Cooper Co. Port Authority	Loading and unloading Dock	New Franklin, Mo.	196.4	L	Owner	P. O. Box 253, Boonville, Mo.	816-882-5858
Columbia (Missouri River) Sand Co.	Sand and gravel unloading	Rocheport, Mo.	186.3	L	Owner	% H.E. Johnson Co., P.O. Box 598 Columbia, Mo. 65205	314-449-2991
Capital Sand Co.	Sand and gravel unloading	Huntsdale, Mo.	181.6	L	Owner	P. O. Box 156, Cedar City, Mo. 65022	314-634-2030
Amoco Oil Co.	Unloading dock	Jefferson City, Mo.	148.7	L	Owner	Sugar Creek Refinery P.O. Box 8507 Sugar Creek, Mo 64054	816-252-4800
U.S. Army, Corps of Engineers	Transfer of government materials	Jefferson City, Mo.	143.6	R	Owner	631 W. Main Jefferson City, Mo.	314-634-2248
Jefferson City River Terminal Co.	Loading and unloading Dock	Jefferson City, Mo.	143.3	L	Owner	Old HWY 94, Jefferson City, Mo.	314-634-4880
Capital Sand Co.	Sand and gravel unloading	Cedar City, Mo.	143.2	L	Owner	P.O. Box 156, Cedar City, Mo.	314-634-2030
Callaway county Sand Co.	Sand unloading	Mokane, Mo.	124.5	L	Owner	P.O. Box 125, Mokane, Mo.	314-676-5230
Chamois Power Plant	Coal unloading	Chamois, Mo.	117.1	R	Owner	P.O. Box 127, Chamois, Mo.	314-763-5314
U.S. Army, Corps of Engineers	Dock, harbor and boatyard	Gasconade, Mo.	104.4	R	Owner	Gasconade, Mo. 65036	314-294-6411
Hermann Sand and Gravel Inc.	Sand unloading	Hermann, Mo.	96.9	L	Owner	R.R. #3, Hermann, Mo.	314-486-2913
Maczuk Industries Inc.	Loading dock	New Haven, Mo.	81.7	R	Owner	P.O. Box 198, New Haven, Mo.	314-237-2232
Olympic Marina and Harbor Services	Gas and oil	Washington, Mo.	68.6	R	Owner	(at boat dock), Washington, Mo.	314-239-9745
Washington Sand Co.	Sand and gravel unloading	Washington, Mo.	68.1	R	Owner	Front and Walnut Sts., Washington, Mo.	314-239-6638
St. Charles Sand Co.	Sand and gravel unloading	Gumbo, Mo.	43.9	R	Owner	Route 1, Box 158, Hazelwood, Mo.	314-739-0169
St. Charles Quarry Co.	Rock loading and sand and gravel	St. Charles, Mo.	31.3	L	Owner	2000 S. River Rd., St. Charles, Mo.	314-724-4491
St. Charles Sand Co.	Unloading dock	St. Charles, Mo.	28.1	R	Owner	Route 1, Box 158, Hazelwood, Mo.	314-739-0169
St. Charles Sand Co.	Sand, salt and lightweight materials unloading	St. Charles, Mo.	27.8	R	Owner	Route 1, Box 158, Hazelwood, Mo.	314-739-0169
Reviewron Sand and Dredging Co.	Sand and gravel unloading	New Halls Ferry, Mo.	16.7	R	Owner	5000 Bossen Rd., St. Louis, Mo.	314-837-3511
West Lake Quarry Material Co., Inc.	Rock loading and sand unloading	Ft. Bellefontaine, Mo.	8.4			12976 St. Charles Rock Road, St. Charles, Mo.	314-739-1122
Central Stone Company	Rock loading, sand and gravel unloading (Plant No. 2)	Florissant, Mo.	7.8	R	Owner	14200 Lewis & Clark Florissant, Mo. 63034	314-735-4505



FURTHER INFORMATION CAN BE OBTAINED FROM:

U.S. ARMY ENGINEER DIVISION - MISSOURI RIVER
 P.O. BOX 103, DOWNTOWN STATION
 OMAHA, NEBRASKA 68101
 U.S. ARMY ENGINEER DISTRICT
 KANSAS CITY, MISSOURI
 700 FEDERAL BUILDING 64106



6 DEVELOPED IN COOPERATION
WITH LOCAL SPONSORS

10 DEVELOPED BY OTHERS

FACILITIES LISTED ARE CORRECT AT DATE OF
THIS PRINTING, BUT ARE SUBJECT TO CHANGE.

MISSOURI RIVER NAVIGATION CHARTS PUBLIC RECREATION FACILITIES

RECREATION FACILITY LIST

TERMINALS	FACILITIES	LOCATION			OPERATOR		
		NEAREST TOWN	MILE	BANK	NAME	ADDRESS	PHONE
English Landing Recreation Park (Parkville)	Boat ramp and park	Parkville, Mo.	377.3	L	City of Parkville, Mo.	8701 River Park Dr., Parkville, Mo.	816-741-7676
Kansas City River Access (closed)	Boat ramp and park	Kansas City, Mo.	363.1	R	City Park Department	17th & Woodlawn, Kansas City, Mo.	816-274-2358
La Benite Recreation Park (Jackson Co.)	Boat ramp and park	Independence, Mo.	352.6	R	Jackson Co. Parks & Recreations	Rt. 2, Box 408, Blue Springs, Mo.	816-795-8200
Jackson Co. Little Blue Recreation Park	Boat ramp and park	Independence, Mo.	339.4	R	Jackson Co. Parks & Recreations	Rt. 2, Box 408, Blue Springs, Mo.	816-795-8200
Fort Osage	Boat ramp and park	Independence, Mo.	337.2	R	Jackson Co. Parks & Recreations	Rt. 2, Box 408, Blue Springs, Mo.	816-795-8200
Battle of Lexington (State Historic Site)	Boat ramp and park	Lexington, Mo.	316.4	R	Mo. Dept. of Natural Resources	Box 176, Jefferson City, Mo.	314-751-3332
Port of Waverly Recreation Park	Boat ramp and park	Waverly, Mo.	293.5	R	City of Waverly	Waverly, Mo.	816-493-2551
Snake Bluff Recreation Park (Miami)	Boat ramp and park	Miami, Mo.	262.8	R	City of Miami	Miami, Mo.	816-852-3351
Brunswick Access (3.8 Mi. up Grand River)	Boat ramp	Brunswick, Mo.	250.0	L	Mo. Dept. of Conservation	2901 N. Ten Mile Dr., Jefferson City, Mo.	314-751-4115
Lewis Mill Access (1.5 Mi. up Little Chariton River)	Boat ramp	Glasgow, Mo.	227.2	L	Mo. Dept. of Conservation	2901 N. Ten Mile Dr., Jefferson City, Mo.	314-751-4115
Stump Island Recreation Park (Glasgow)	Boat ramp and park	Glasgow, Mo.	226.1	L	City of Glasgow	Glasgow, Mo.	816-338-2377
DeBourgmont Access (3.2 Mi. up Lamine River)	Boat ramp	Lamine, Mo.	202.5	L	Mo. Dept. of Conservation	2901 N. Ten Mile Dr., Jefferson City, Mo.	314-751-4115
Franklin Island Access (Boonville)	Boat ramp	Boonville, Mo.	195.1	L	Mo. Dept. of Conservation	2901 N. Ten Mile Dr., Jefferson City, Mo.	314-751-4115
Taylors Landing Recreation Park	Boat ramp and park	Boonville, Mo.	185.2	R	Mo. Dept. of Conservation	2901 N. Ten Mile Dr., Jefferson City, Mo.	314-751-4115
Providence Access (1.5 Mi. up Perche Creek)	Boat ramp and park	Providence, Mo.	170.6	L	Mo. Dept. of Conservation	2901 N. Ten Mile Dr., Jefferson City, Mo.	314-751-4115
Marion Access	Boat ramp and park	Marion, Mo.	158.0	R	Mo. Dept. of Conservation	2901 N. Ten Mile Dr., Jefferson City, Mo.	314-751-4115
Jefferson City Boat Ramp	Boat ramp	Jefferson City, Mo.	143.7	R	Mo. Dept. of Conservation	2901 N. Ten Mile Dr., Jefferson City, Mo.	314-751-4115
Mari-Osa Access (10.0 Mi. up Osage River)	Boat ramp	Jefferson City, Mo.	130.0	R	Mo. Dept. of Conservation	2901 N. Ten Mile Dr., Jefferson City, Mo.	314-751-4115
Bonnotts Mill Access (2.0 Mi. up Osage River)	Boat ramp	Bonnotts Mill, Mo.	130.0	R	Mo. Dept. of Conservation	2901 N. Ten Mile Dr., Jefferson City, Mo.	314-751-4115
Mokane Access	Boat ramp and park	Mokane, Mo.	124.7	L	Mo. Dept. of Conservation	2901 N. Ten Mile Dr., Jefferson City, Mo.	314-751-4115
Chamois Access	Boat ramp and park	Chamois, Mo.	118.0	R	Mo. Dept. of Conservation	2901 N. Ten Mile Dr., Jefferson City, Mo.	314-751-4115
Gasconade Park (0.5 Mi. up Gasconade River)	Boat ramp	Gasconade, Mo.	104.4	R	Mo. Dept. of Conservation	2901 N. Ten Mile Dr., Jefferson City, Mo.	314-751-4115
Hermann Boat Ramp	Boat ramp	Hermann, Mo.	97.7	R	Owner	312 Schiller, Hermann, Mo.	314-486-5953
New Haven Boat Ramp	Boat ramp	New Haven, Mo.	81.4	R	City of New Haven	1100 Olive St. New Haven, Mo.	314-237-2249
Coulter Landing (1.2 Mi. up Boeuf Creek)	Boat ramp	New Haven, Mo.	77.8	R	Mo. Dept. of Conservation	2901 N. Ten Mile Dr., Jefferson City, Mo.	314-751-4115
Olympic Marina and Harbor	Harbor and dock	Washington, Mo.	68.6	R	Owner	At boat dock	314-239-9745
Washington Boat Ramp	Boat ramp & docking facility	Washington, Mo.	68.3	R	Owner	No. 5 Hillcrest Pl., Washington, Mo.	314-239-3154
Daniel Boone	Boat ramp and park	Labadie, Mo.	55.8	L	Mo. Dept. of Conservation	2901 N. Ten Mile Dr., Jefferson City, Mo.	314-751-4115
Weldon Springs Access	Boat ramp and park	Weldon Springs, Mo.	48.6	L	Mo. Dept. of Conservation	2901 N. Ten Mile Dr., Jefferson City, Mo.	314-751-4115
Frontier Park	Boat ramp and park	St. Charles, Mo.	28.5	L	City of St. Charles	200 W. 2nd St., St. Charles, Mo.	314-949-3200
Blanchette Access (St Charles)	Boat ramp and park	St. Charles, Mo.	27.0	L	Mo. Dept. of Conservation	2901 N. Ten Mile Dr., Jefferson City, Mo.	314-751-4115
Lewis and Clark Park (on Miss. R.)	Park	Alton, ILL	0.0	L	ILL, Dept. of Conservation	Alton, ILL	618-462-1181

MARINE VHF STATIONS, KANSAS CITY TO THE MOUTH

LOCATION	STATION OR AGENCY	CALL SIGN	CHANNELS OF OPERATION	HOURS OF OPERATION	REMARKS
Kansas City, Missouri	Corps of Engineers	WUH-5		Monday – Friday Continuous 7:30 A.M. to 4:30 P.M. All year except holidays	Coverage of Missouri River. Mile 366.1 Phone No.: (816)–426–3074
Napoleon, Missouri	Corps of Engineers	WUH-520	16 Emergency and Calling	Monday – Friday Continuous 7:30 A.M. to 4:00 P.M. All year except holidays	Coverage of Missouri River. Mile 328.7 Phone No.: (816)–934–8131
Glasgow, Missouri	Corps of Engineers	WUH-530	Same as Above	Monday – Friday Continuous 7:30 A.M. to 4:00 P.M. All year except holidays	Coverage of Missouri River. Mile 226.3 Phone No.: (816)–338–2278
Jefferson City, Missouri	Corps of Engineers	WUH-531	Same as Above	Monday – Friday Continuous 7:30 A.M. to 4:00 P.M. All year except holidays	Coverage of Missouri River. Mile 143.9 Phone No.: (816)–634–2248
Gasconade Harbor Facility	Corps of Engineers	WUH-522	Same as Above	Monday – Friday Continuous 7:30 A.M. to 4:00 P.M. All year except holidays	Coverage of Missouri River. Mile 104.5 Phone No.: (314)–294–6411

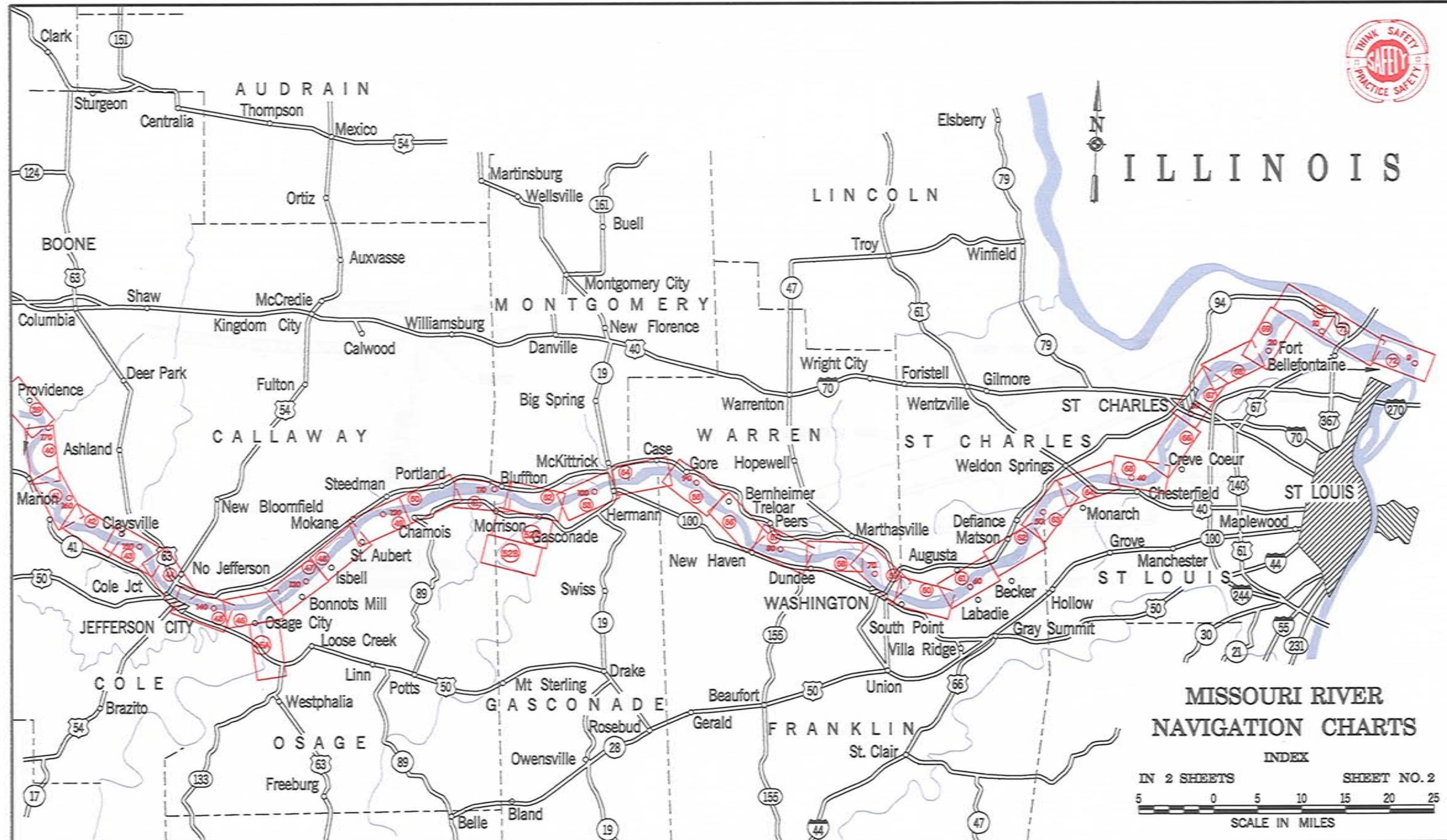
MARINE VESSEL VHF STATIONS, KANSAS CITY TO THE MOUTH

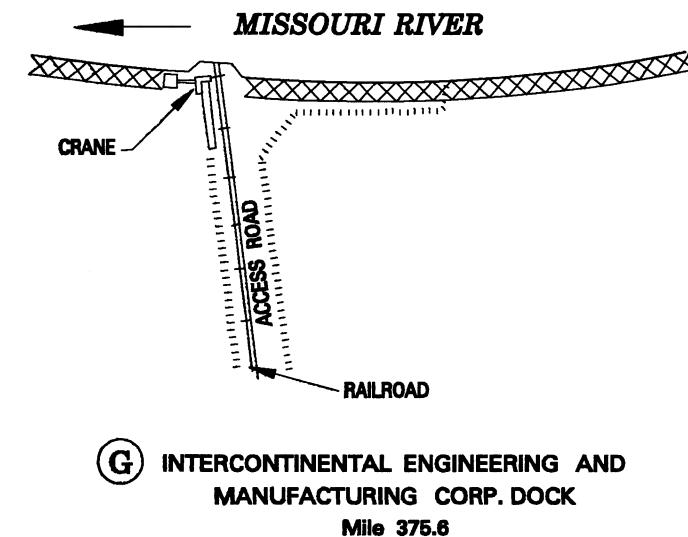
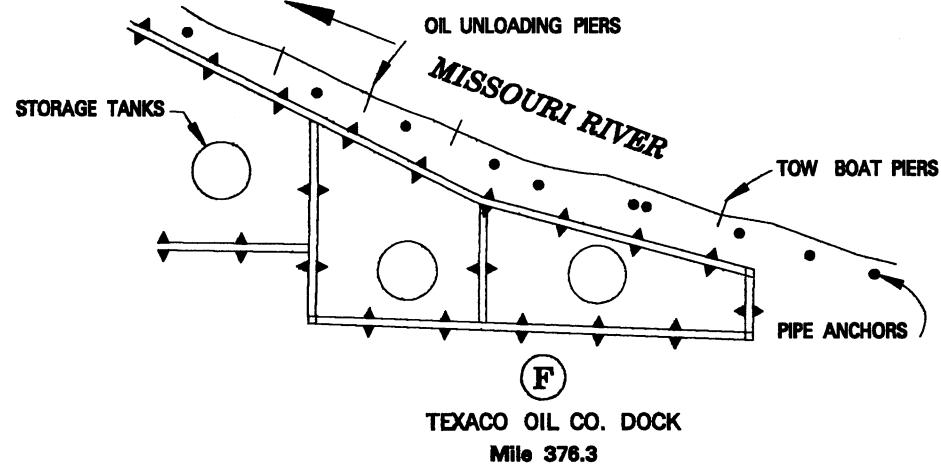
LOCATION	STATION OR AGENCY	CALL SIGN	CHANNELS OF OPERATION	HOURS OF OPERATION	REMARKS
Omaha, Nebraska	Coast Guard Cutter	Coast Guard Gasconade	06 Intership & Ship To Coast 12 Intership & Ship To Coast 13 Intership 14 Port Operations 16 Emergency and Calling 22 Coast Guard Calling and Broadcast	Continuous During Navigation Season	Buoy Operations From Mile 732.3 To Mile 366.1 Phone No.: (402)-221-4712
St Louis, Missouri	Coast Guard Cutter	Coast Guard Cheyenne	Same as Above	Continuous During Navigation Season	Buoy Operations From Mile 366.1 To Mile 0.0 Phone No. (314)-425-6818
Jefferson City, Missouri	Corps of Engineers Tender Cole	AEPF	16 Emergency and Calling	7:30 A.M. To 4:00 P.M. During Navigation Season	Corps of Engineers River Structure Maintenance from Mile 498.4 to 0.0 Phone No. (314)-634-2248
	Towboat Stephenson Surveyboat-Straub	AERM AEAU	Same as Above Same as Above	7:30 A.M. To 4:00 P.M. During Navigation Season	Corps of Engineers reconnaissance of channel Mile 498.4 to 0.0 Phone No. (314)-634-2248
Napoleon Missouri	Corps of Engineers Surveyboat -Marmaton	AEOR	Same as Above	7:30 A.M. To 4:00 P.M. During Navigation Season	Corps of Engineers reconnaissance from Mile 498.4 to 0.0 Phone No. (816)-934-8131
	Towboat Jumbo	AENU	Same as Above	7:30 A.M. To 4:00 P.M. During Navigation Season	Corps of Engineers River Structure Maintenance of channel Mile 498.4 to 0.0 Phone No. (816)-934-8131
Gasconade, Missouri	Corps of Engineers Surveyboat-Osage III	AEOS	Same as Above	7:30 A.M. To 4:00 P.M. During Navigation Season	Corps of Engineers reconnaissance of channel Mile 498.4 to 0.0 Phone No. (314)-294-6411
Omaha, Nebraska	Corps of Engineers: Survey and Inspection-Mandan	AEKR	Same as Above	7:30 A.M. To 3:30 P.M. During Navigation Season	Corps of Engineers Survey and Inspection as scheduled from Mile 735.0 to 0.0 Phone No. (402)-453-0202





ILLINOIS





MISSOURI RIVER NAVIGATION CHARTS



0 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 1
SCALE IN MILES

- (A) JOHNSON CO. WATER DIST. NO.1 INTAKE
- (B) NEARMAN BOTTOMS POWER PLANT INTAKE
- (C) MID-CONTINENT ASPHALT AND PAVING CO. INTAKE
- (D) HOLLIDAY SAND AND GRAVEL CO. DOCK
- (E) ENGLISH LANDING RECREATION PARK (PARKVILLE)
- (F) TEXACO OIL CO. DOCK
- (G) INTERCONTINENTAL ENGR. AND MFG. DOCK

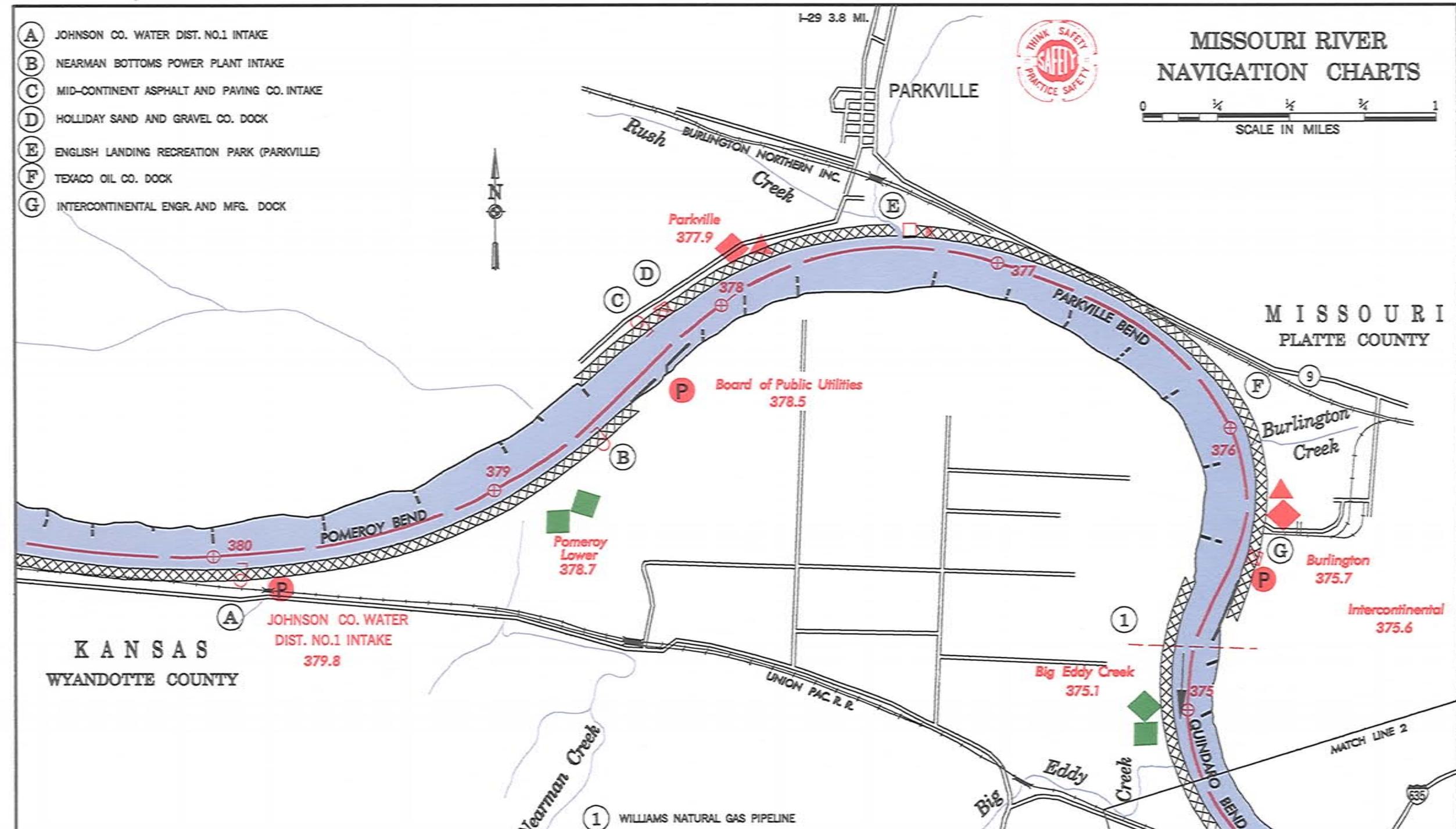
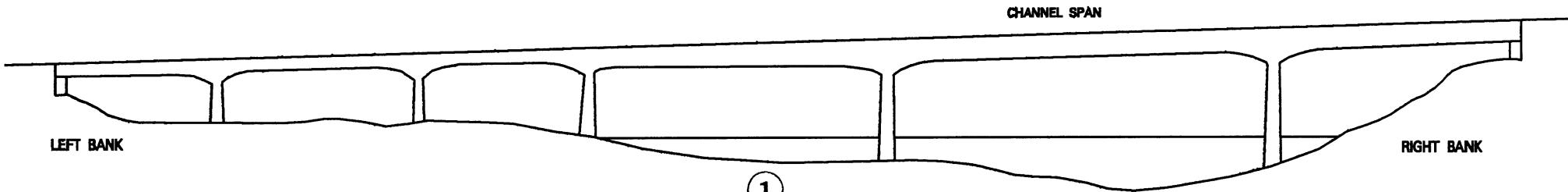


CHART NO. 1

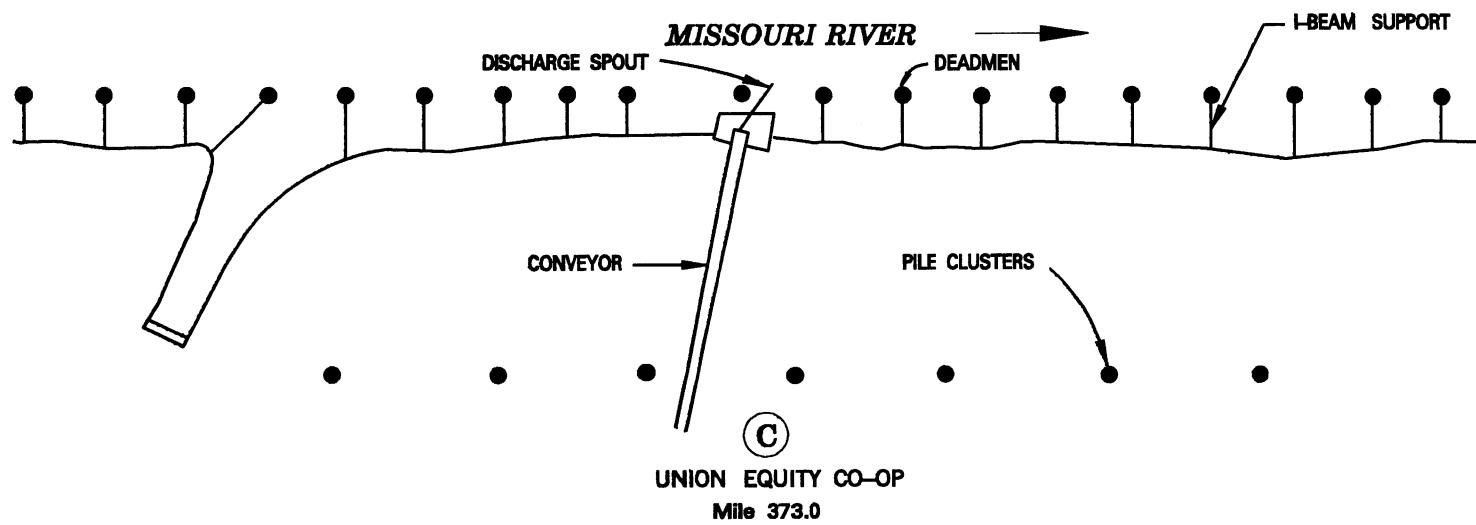


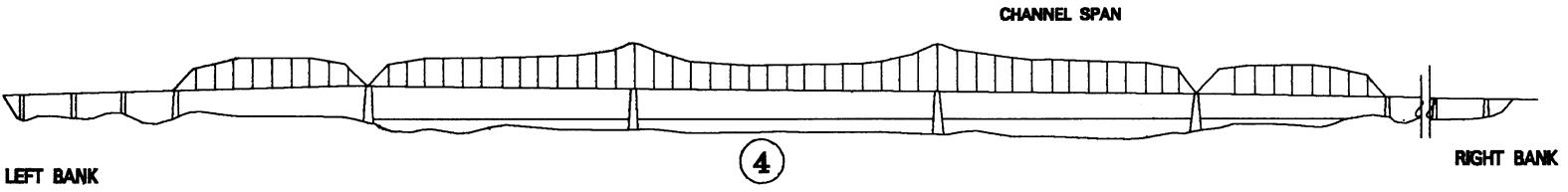
KANSAS CITY, KANS. I-635 HIGHWAY BRIDGE

Mile 374.1

CHANNEL SPAN DATA

TYPE	FIXED
HORIZ. CLEARANCE	400.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW KANSAS CITY GAGE READING 4.5)	63'
VERT. CLEARANCE (FLOOD STAGE)	48'





HWY US 59 & 169 BRIDGES
Mile 372.6

CHANNEL SPAN DATA

TYPE	-----	FIXED
HORIZ. CLEARANCE	-----	380.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW KANSAS CITY GAGE READING 4.5)	-----	67'
VERT. CLEARANCE (FLOOD STAGE)	-----	52'

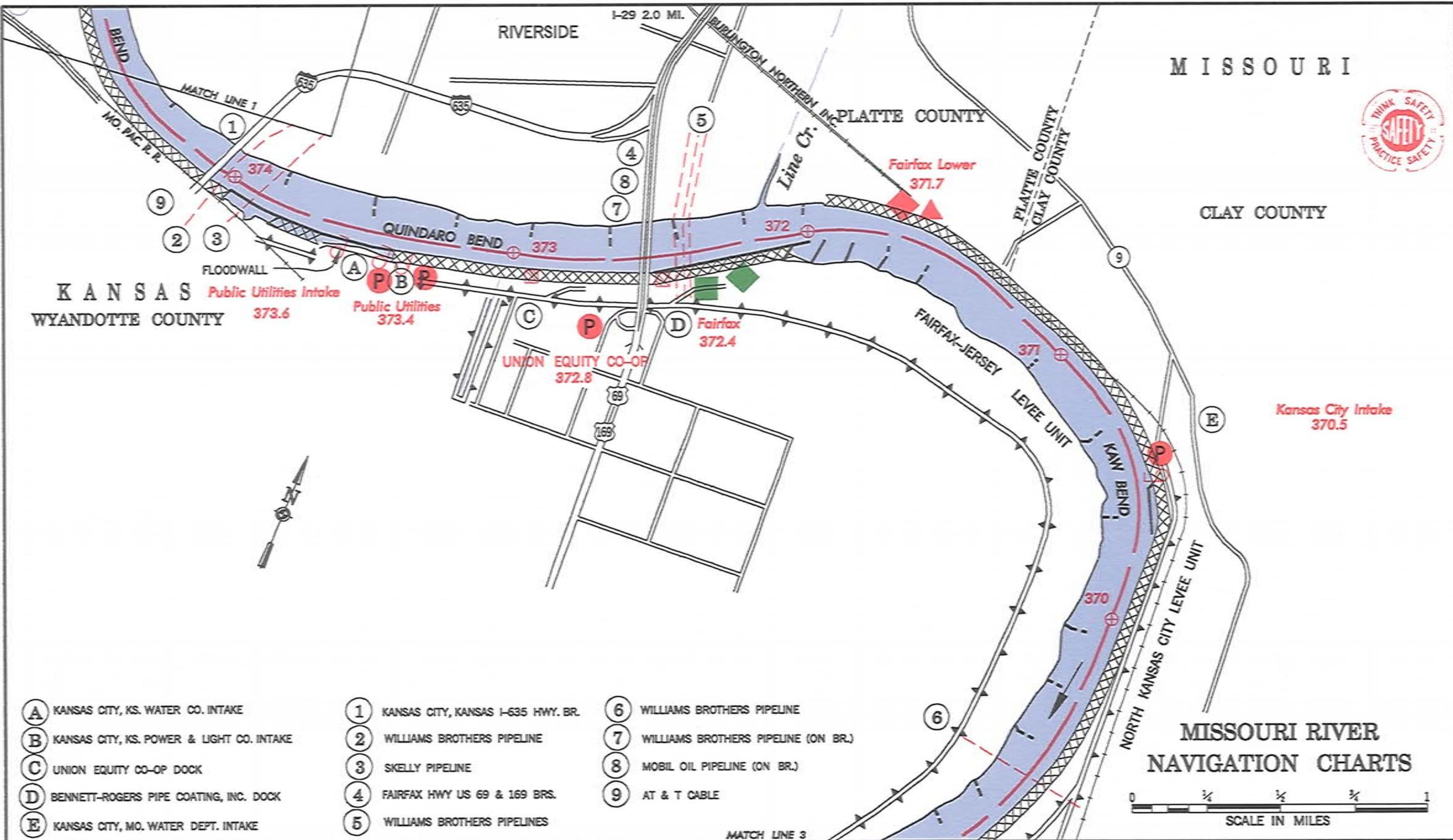
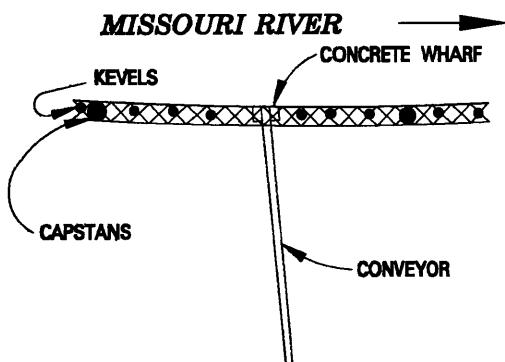
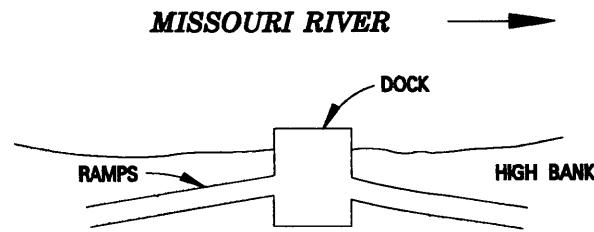


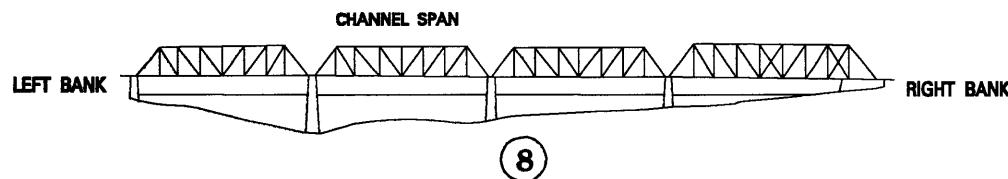
CHART NO. 2



(B) BARTLETT AND CO., INC.
MIDWEST TERMINAL
KANSAS CITY, KANS. PUBLIC TERMINAL
Mile 367.7



(D) AMERICAN COMPRESSED STEEL, INC.
LOADING DOCK
Mile 366.9

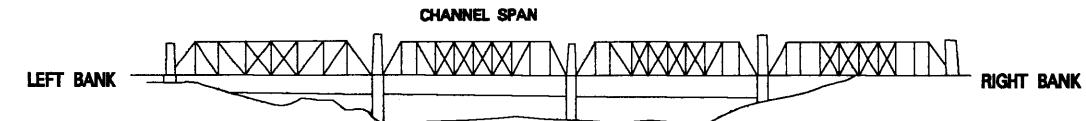


MO. PAC. R. R. BRIDGE

Mile 0.25

CHANNEL SPAN DATA

TYPE	FIXED
HORIZ. CLEARANCE	203.5'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	35'
VERT. CLEARANCE (FLOOD STAGE)	20'

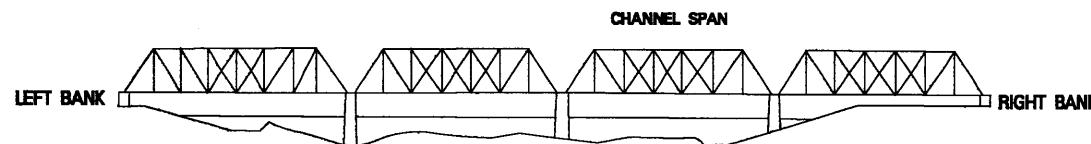


(1) U. P. R. R. BRIDGE(Kansas River)

Mile 1.49

CHANNEL SPAN DATA

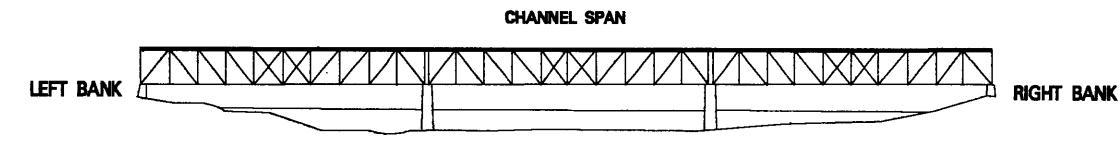
TYPE	VERTICAL LIFT
HORIZ. CLEARANCE	184.0'
NORMAL	RAISED
VERT. CLEARANCE (N. N. F.)	30' 39'
VERT. CLEARANCE (F. S.)	14' 23'



② MO. PAC. R. R. BRIDGE(Kansas River)
Mile 1.48

CHANNEL SPAN DATA

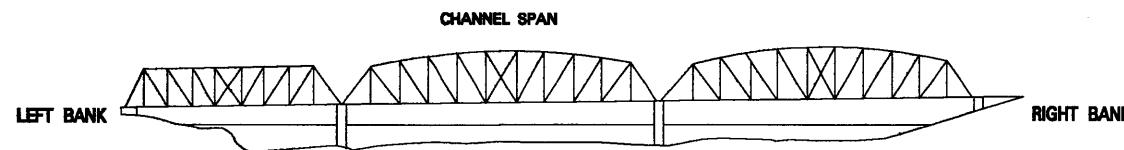
TYPE	FIXED
HORZ. CLEARANCE	184.2'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	35'
VERT. CLEARANCE (FLOOD STAGE)	19'



③ CENTRAL AVE. BRIDGE (Kansas River)
Mile 1.13

CHANNEL SPAN DATA

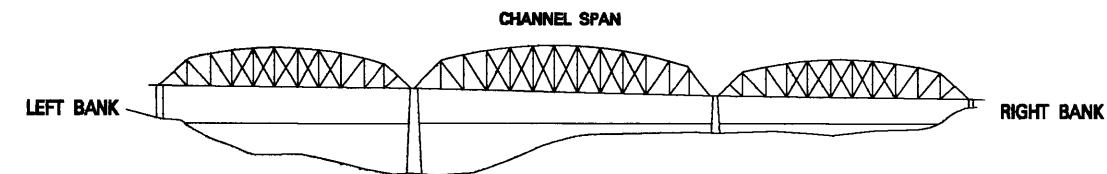
TYPE	FIXED
HORZ. CLEARANCE	250.2'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	37'
VERT. CLEARANCE (FLOOD STAGE)	21'



④ K. C. SOUTHERN RY. BRIDGE(Kansas River)
Mile 0.84

CHANNEL SPAN DATA

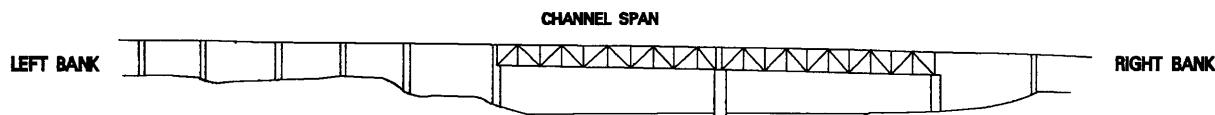
TYPE	FIXED
HORZ. CLEARANCE	302.6'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	34'
VERT. CLEARANCE (FLOOD STAGE)	18'



⑤ JAMES ST. BRIDGE (Kansas River)
Mile 0.47

CHANNEL SPAN DATA

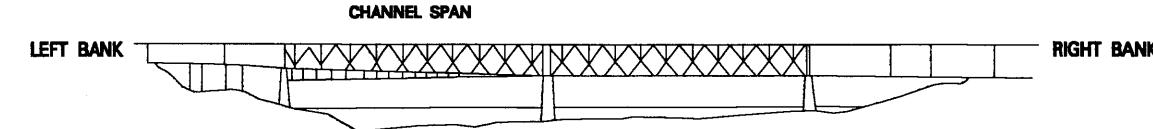
TYPE	FIXED
HORZ. CLEARANCE	238.9'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	48'
VERT. CLEARANCE (FLOOD STAGE)	32'



⑦ LEWIS AND CLARK VIADUCT (Kansas River)
(UPSTREAM)
Mile 0.33

CHANNEL SPAN DATA

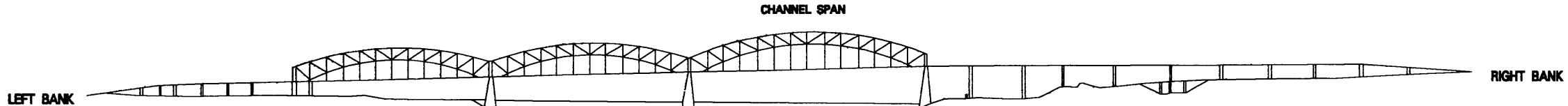
TYPE	FIXED
HORZ. CLEARANCE	303.7'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	45'
VERT. CLEARANCE (FLOOD STAGE)	29'



⑦ LEWIS AND CLARK VIADUCT (Kansas River)
(DOWNSTREAM)
Mile 0.32

CHANNEL SPAN DATA

TYPE	FIXED
HORZ. CLEARANCE	305.5'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	70'
VERT. CLEARANCE (FLOOD STAGE)	54'



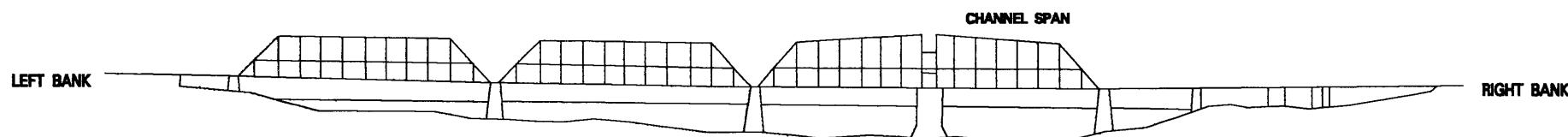
(9)

BROADWAY AVENUE BRIDGE

Mile 366.2

CHANNEL SPAN DATA

TYPE	FIXED
HORIZ. CLEARANCE	499.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW KANSAS CITY GAGE READING 4.5)	71'
VERT. CLEARANCE (FLOOD STAGE)	53'



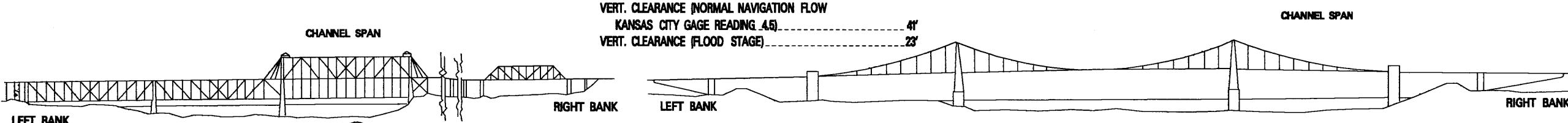
(10)

HANNIBAL R. R. BRIDGE

Mile 366.1

CHANNEL SPAN DATA

TYPE	SWING
HORIZ. CLEARANCE	200.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW KANSAS CITY GAGE READING 4.5)	41'
VERT. CLEARANCE (FLOOD STAGE)	23'



(12)

A. S. B. BRIDGE

Mile 365.6

CHANNEL SPAN DATA

TYPE	VERTICAL LIFT
HORIZ. CLEARANCE	395.0'
NORMAL	RAISED
VERT. CLEARANCE (NORMAL NAVIGATION FLOW KANSAS CITY GAGE READING 4.5)	35' 84"
VERT. CLEARANCE (FLOOD STAGE)	17' 68"

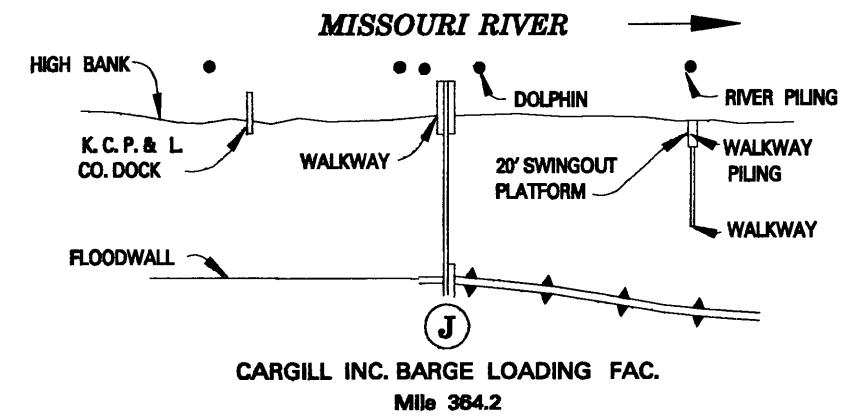
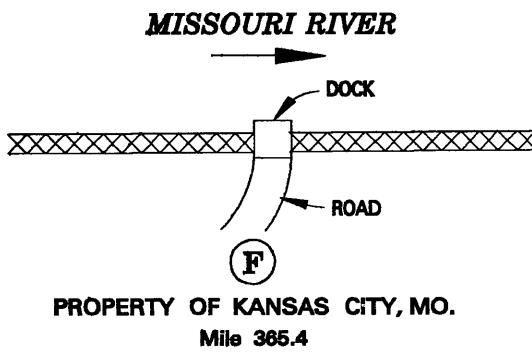
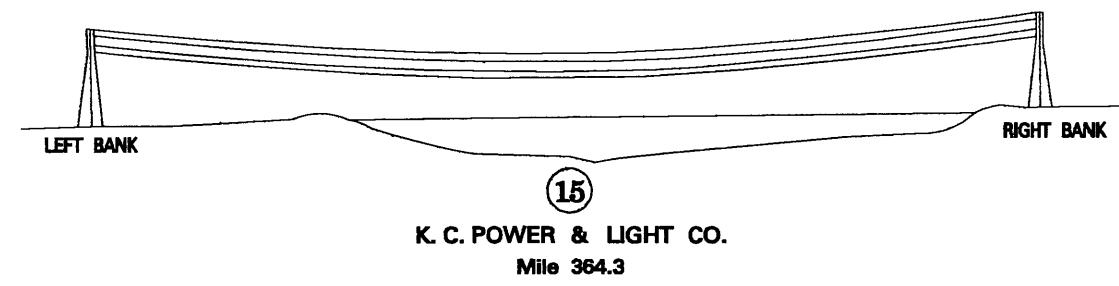
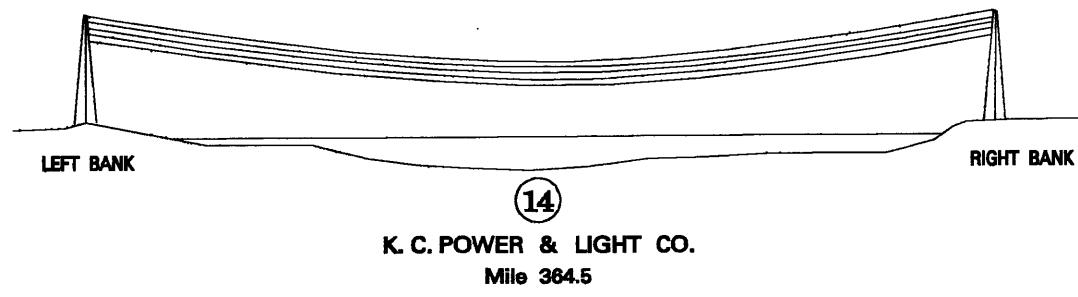
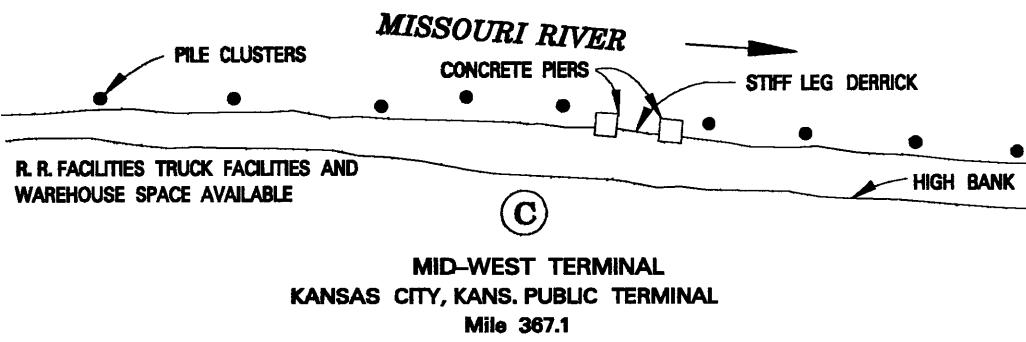
(13)

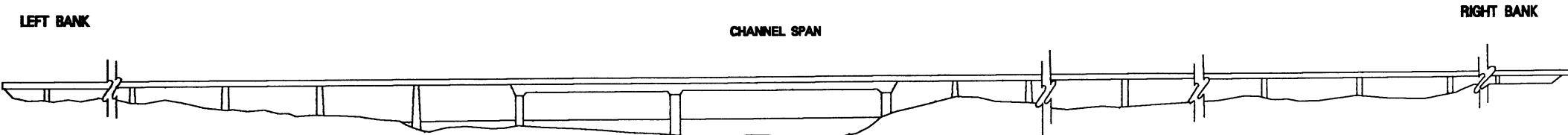
PASEO BRIDGE

Mile 364.8

CHANNEL SPAN DATA

TYPE	FIXED
HORIZ. CLEARANCE	250.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW KANSAS CITY GAGE READING 4.5)	70'
VERT. CLEARANCE (FLOOD STAGE)	52'





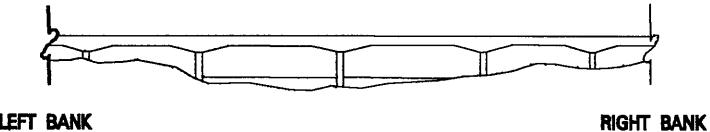
16

HEART OF AMERICA BRIDGE

Mile 365.5

CHANNEL SPAN DATA

TYPE	FIXED
HORIZ. CLEARANCE	400.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	
KANSAS CITY GAGE READING 6.1	63'
VERT. CLEARANCE (FLOOD STAGE)	47'



17

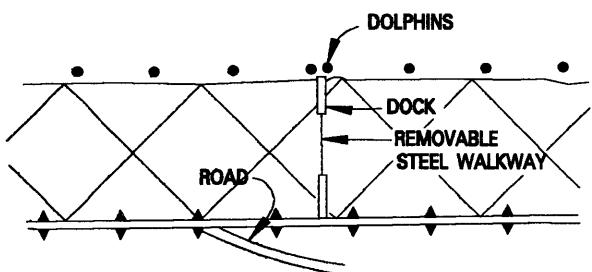
INTERSTATE 670 HWY. BRIDGE (Kansas River)

Mile 1.5

CHANNEL SPAN DATA

TYPE	FIXED
HORZ. CLEARANCE	170.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	43'
VERT. CLEARANCE (FLOOD STAGE)	27'

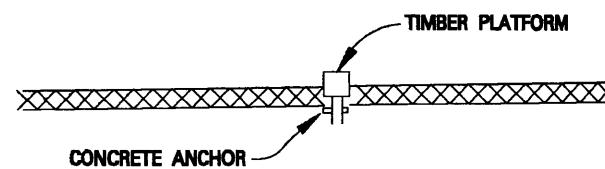
MISSOURI RIVER →



A

WILLIAMS BROS. PIPELINE CO.
Mile 368.2

MISSOURI RIVER →



I

BORCHERS ENTERPRISES, INC.
Mile 364.1

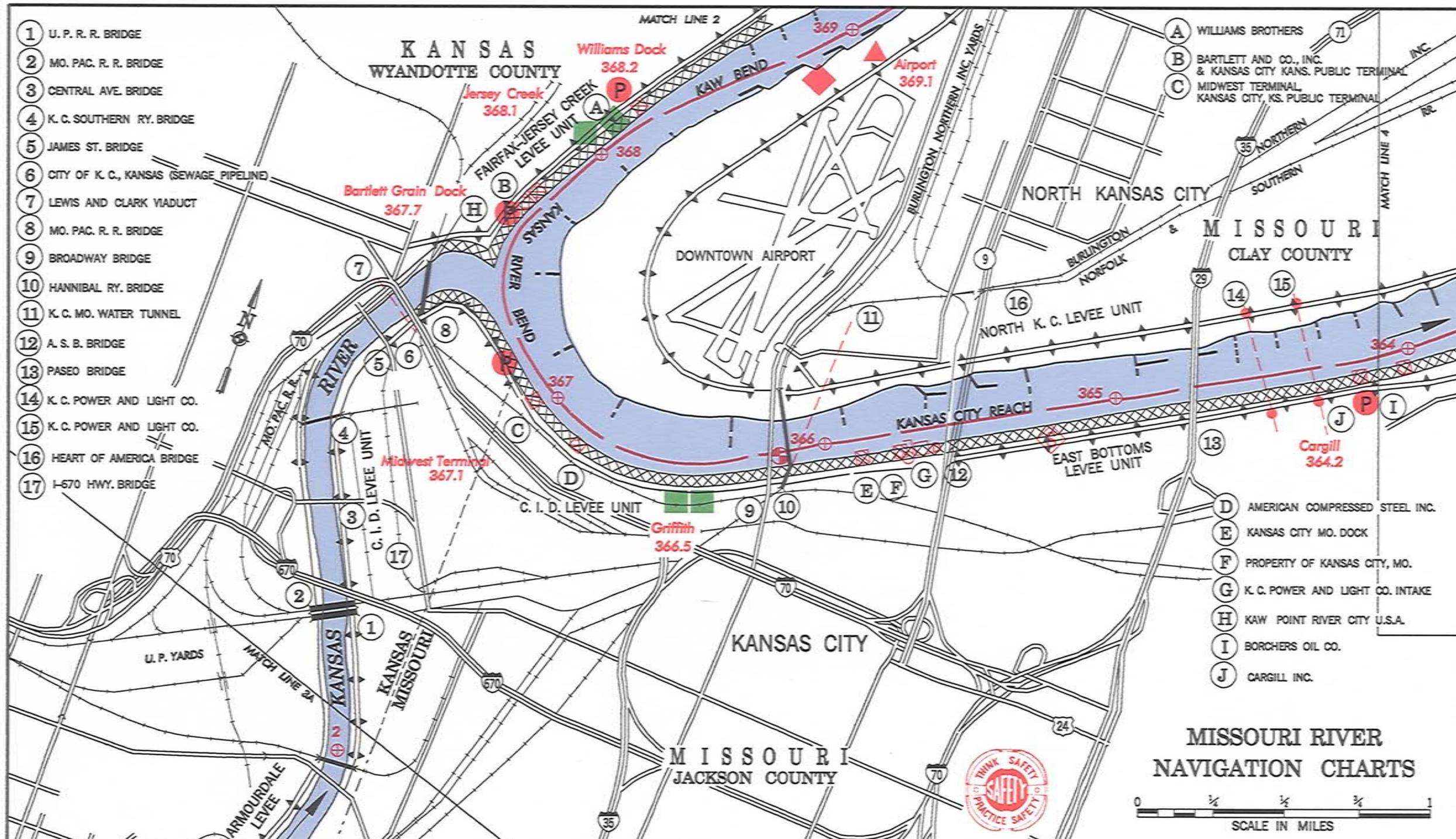
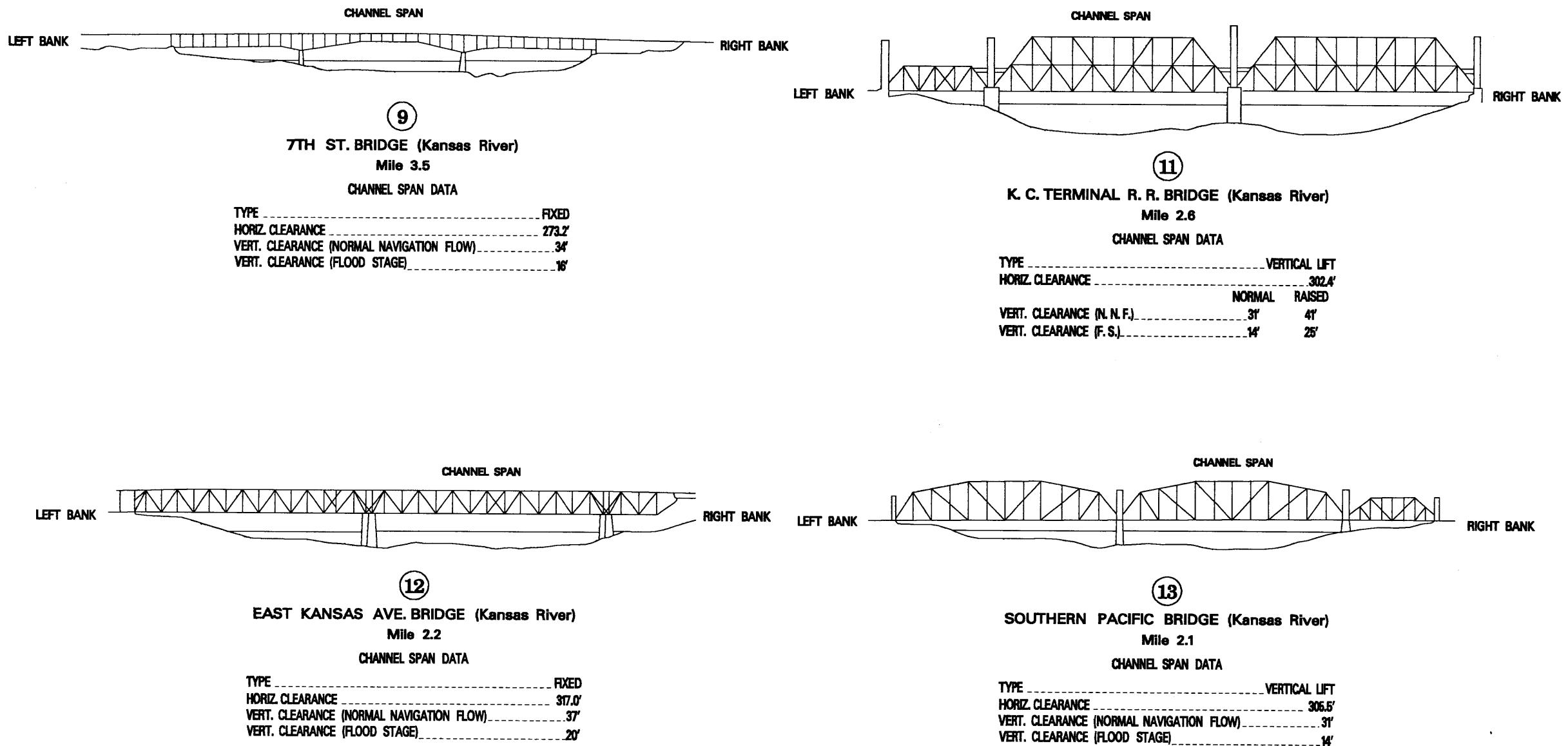
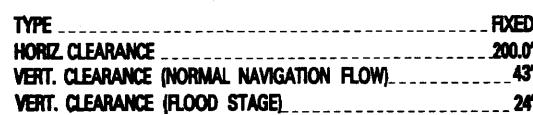
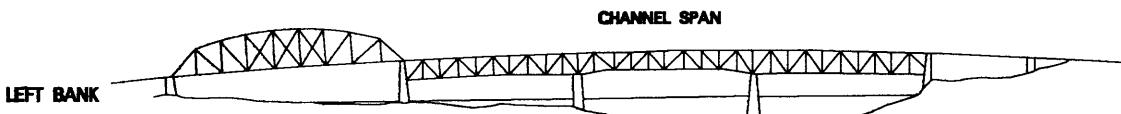
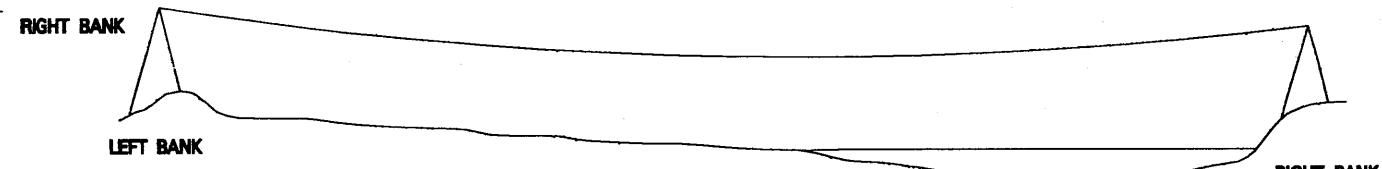
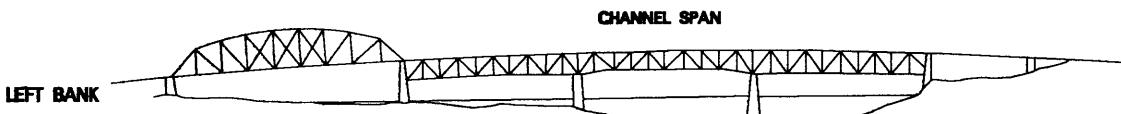
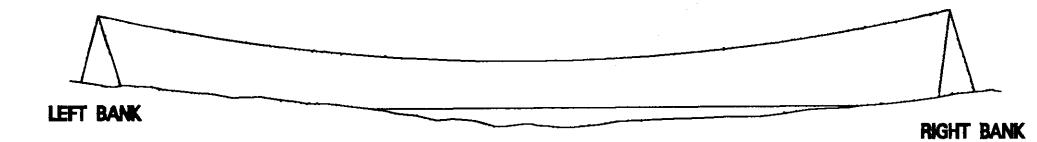
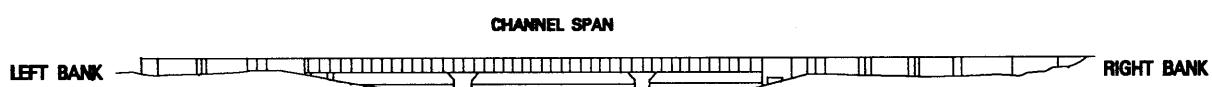
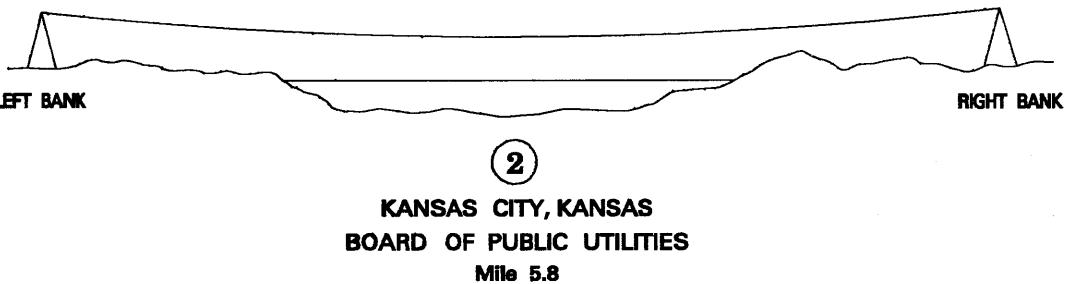
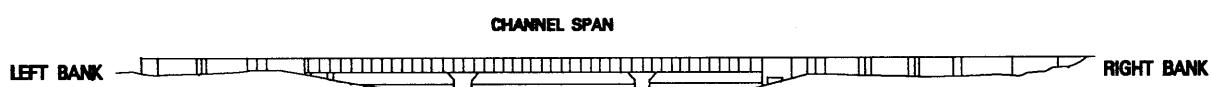
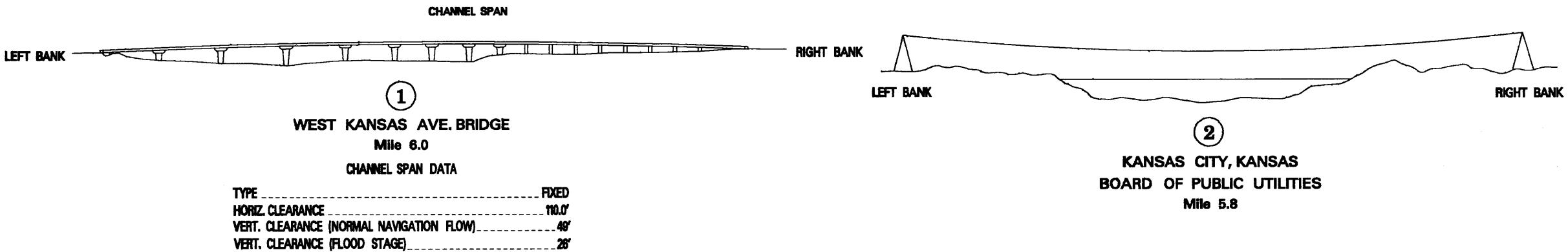
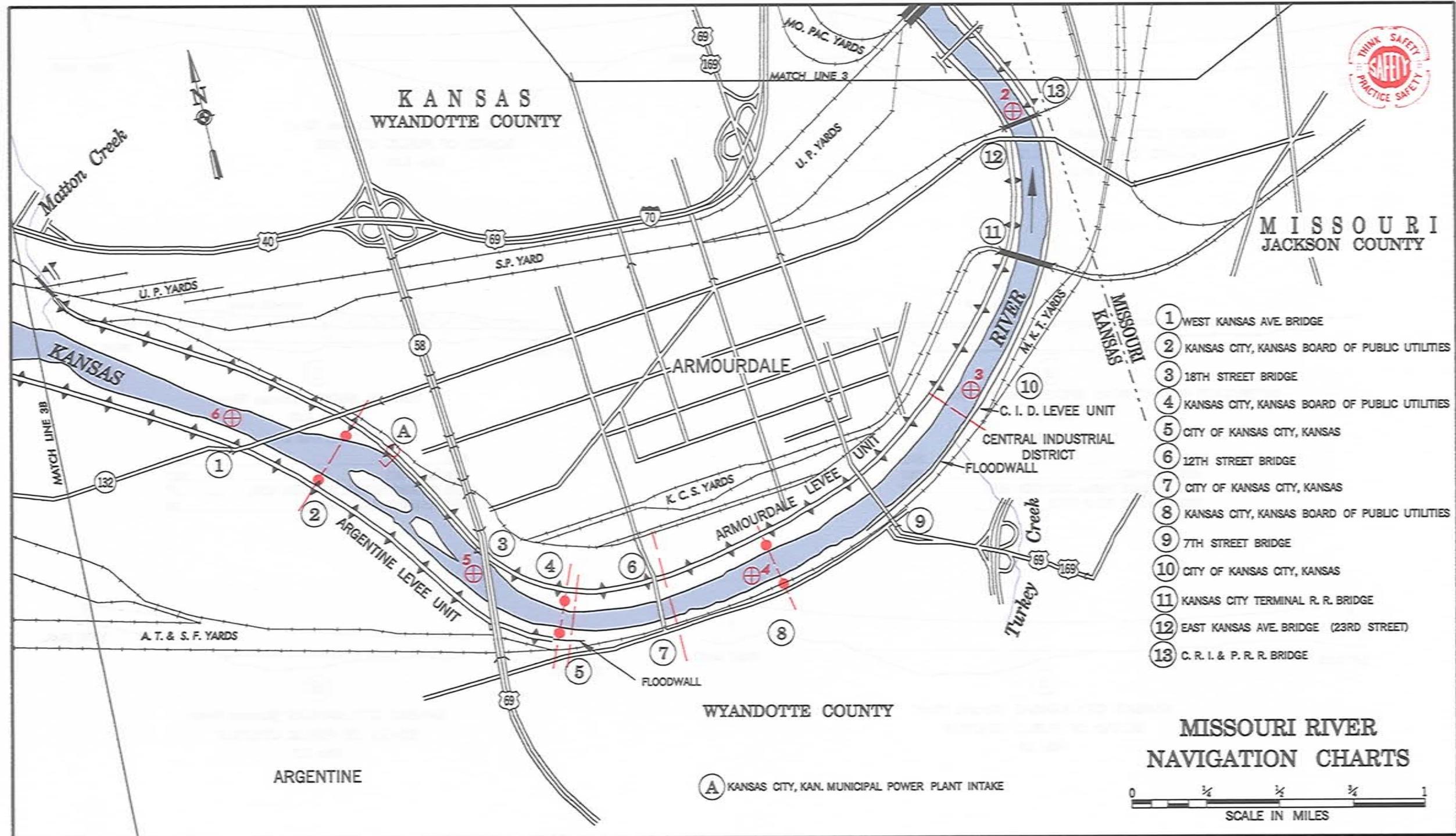


CHART NO. 3





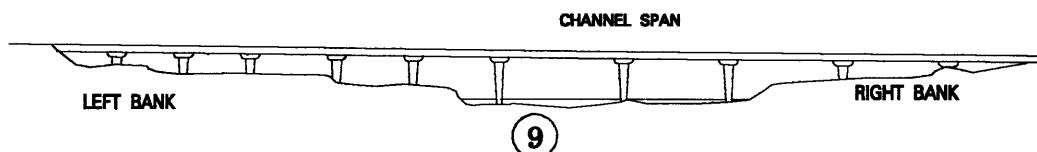




④
KANSAS CITY, KANSAS (Kansas River)
BOARD OF PUBLIC UTILITIES
Mile 10.9



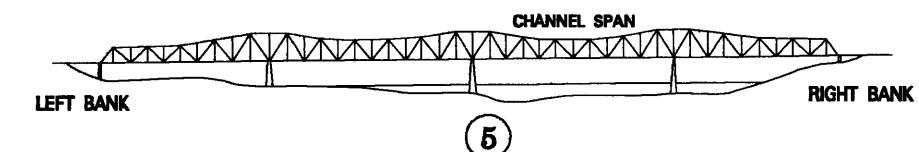
⑥
KANSAS CITY, KANSAS (Kansas River)
BOARD OF PUBLIC UTILITIES
Mile 9.33



⑨
INTERSTATE 635 HIGHWAY BRIDGE (Kansas River)
Mile 7.3

CHANNEL SPAN DATA

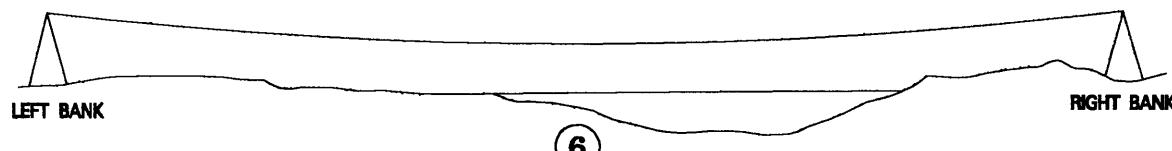
TYPE	FIXED
HORIZ. CLEARANCE	230.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	62'
VERT. CLEARANCE (FLOOD STAGE)	36'



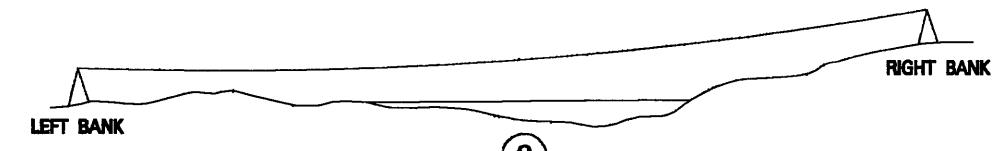
⑤
TURNER BRIDGE (Kansas River)
Mile 9.33

CHANNEL SPAN DATA

TYPE	FIXED
HORIZ. CLEARANCE	310.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	57'
VERT. CLEARANCE (FLOOD STAGE)	26'



⑥
KANSAS CITY, KANSAS (Kansas River)
BOARD OF PUBLIC UTILITIES
Mile 9.1



⑧
KANSAS CITY, KANSAS (Kansas River)
BOARD OF PUBLIC UTILITIES
Mile 7.7

KANSAS
WYANDOTTE COUNTY

- 1 WILLIAMS BROTHERS PIPELINE CO.
- 2 PHILLIPS PETROLEUM CO.
- 3 PHILLIPS PETROLEUM CO.
- 4 KANSAS CITY,KANSAS BOARD OF PUBLIC UTILITIES
- 5 TURNER BRIDGE
- 6 KANSAS CITY,KANSAS BOARD OF PUBLIC UTILITIES
- 7 WILLIAMS BROTHERS PIPELINE CO.
- 8 KANSAS CITY,KANSAS BOARD OF PUBLIC UTILITIES
- 9 INTERSTATE 635 HIGHWAY BRIDGE



Minnie

Creek

RIVER

KANSAS

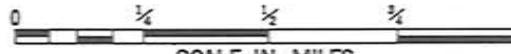
Barber Creek

ARGENTINE LEVEE UNIT
ARGENTINE

MATCH LINE 3A

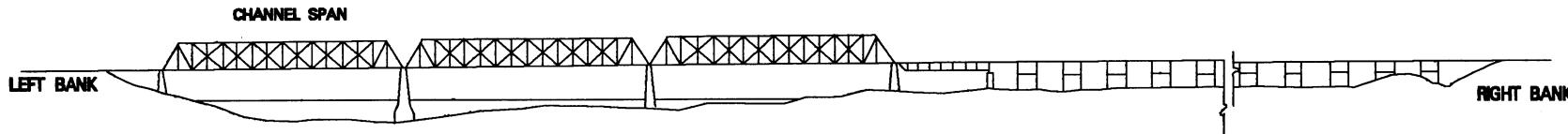


MISSOURI RIVER
NAVIGATION CHARTS



SCALE IN MILES

CHART NO. 3B



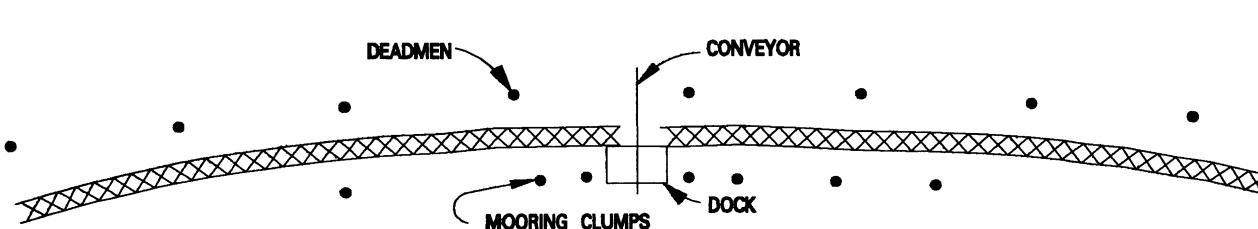
1

CHOUTEAU HWY Mo. 269 BRIDGE

Mile 362.3

CHANNEL SPAN DATA

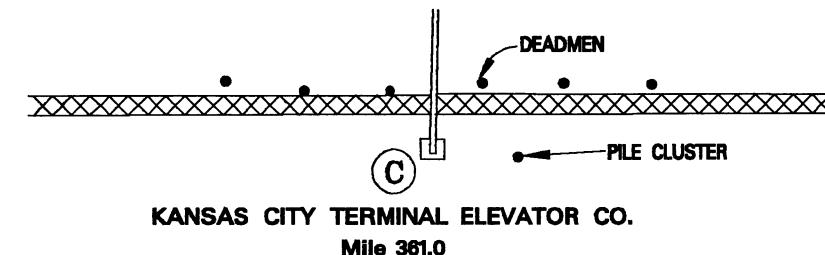
TYPE	FIXED
HORIZ. CLEARANCE	280.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW KANSAS CITY GAGE READING 4.5)	70'
VERT. CLEARANCE (FLOOD STAGE)	52'



B

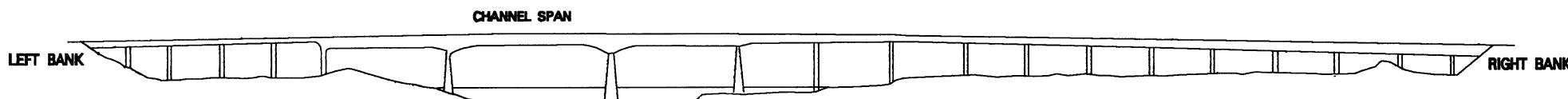
CONTINENTAL GRAIN CO.

Mile 361.6



KANSAS CITY TERMINAL ELEVATOR CO.

Mile 361.0



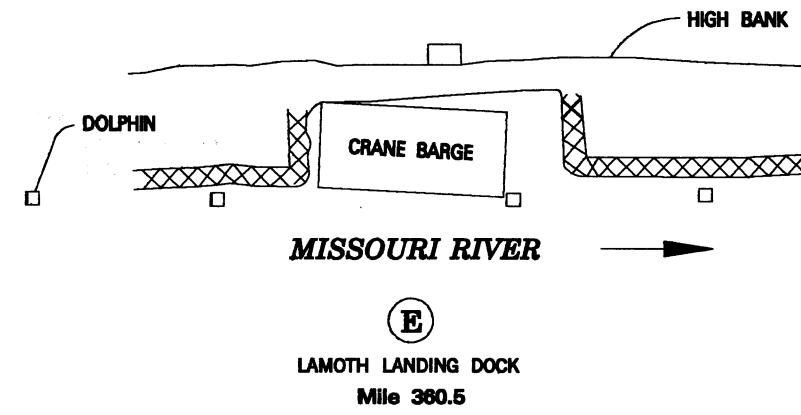
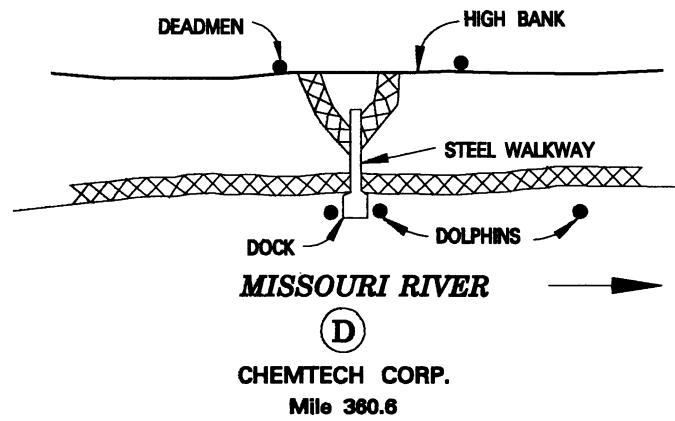
3

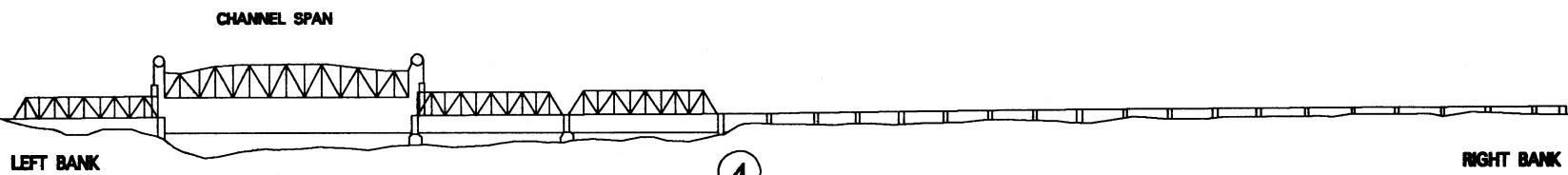
KANSAS CITY, MO. HWY I-435 BRIDGE

Mile 360.3

CHANNEL SPAN DATA

TYPE	FIXED
HORIZ. CLEARANCE	400.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW KANSAS CITY GAGE READING 4.5)	58'
VERT. CLEARANCE (FLOOD STAGE)	44'



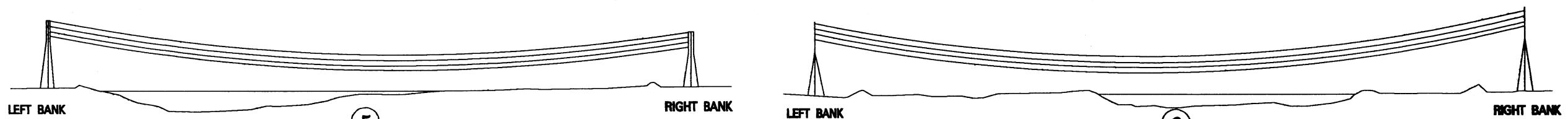


HARRY S. TRUMAN R.R. BRIDGE

Mile 359.3

CHANNEL SPAN DATA

TYPE	VERTICAL LIFT
HORIZ. CLEARANCE	403.0'
	NORMAL RAISED
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	
KANSAS CITY GAGE READING 4.5)	34' 68'
VERT. CLEARANCE (FLOOD STAGE)	19' 54'



K. C. POWER & LIGHT CO.

Mile 359.1

K. C. POWER & LIGHT CO.

Mile 358.6

MISSOURI RIVER NAVIGATION CHARTS



0 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 1
SCALE IN MILES

RANDOLPH

- 1 CHOUTEAU HWY Mo. 269 Br.
- 2 K.C. MO. SEWAGE PIPELINES
- 3 KANSASCITY, MO. HWY I-435 Br.
- 4 HARRY S. TRUMAN R.R. Br.
- 5 K.C.P. & L POWER LINE
- 6 K.C.P. & L POWER LINE
- 7 GAS SERVICE PIPELINE (on Br.)

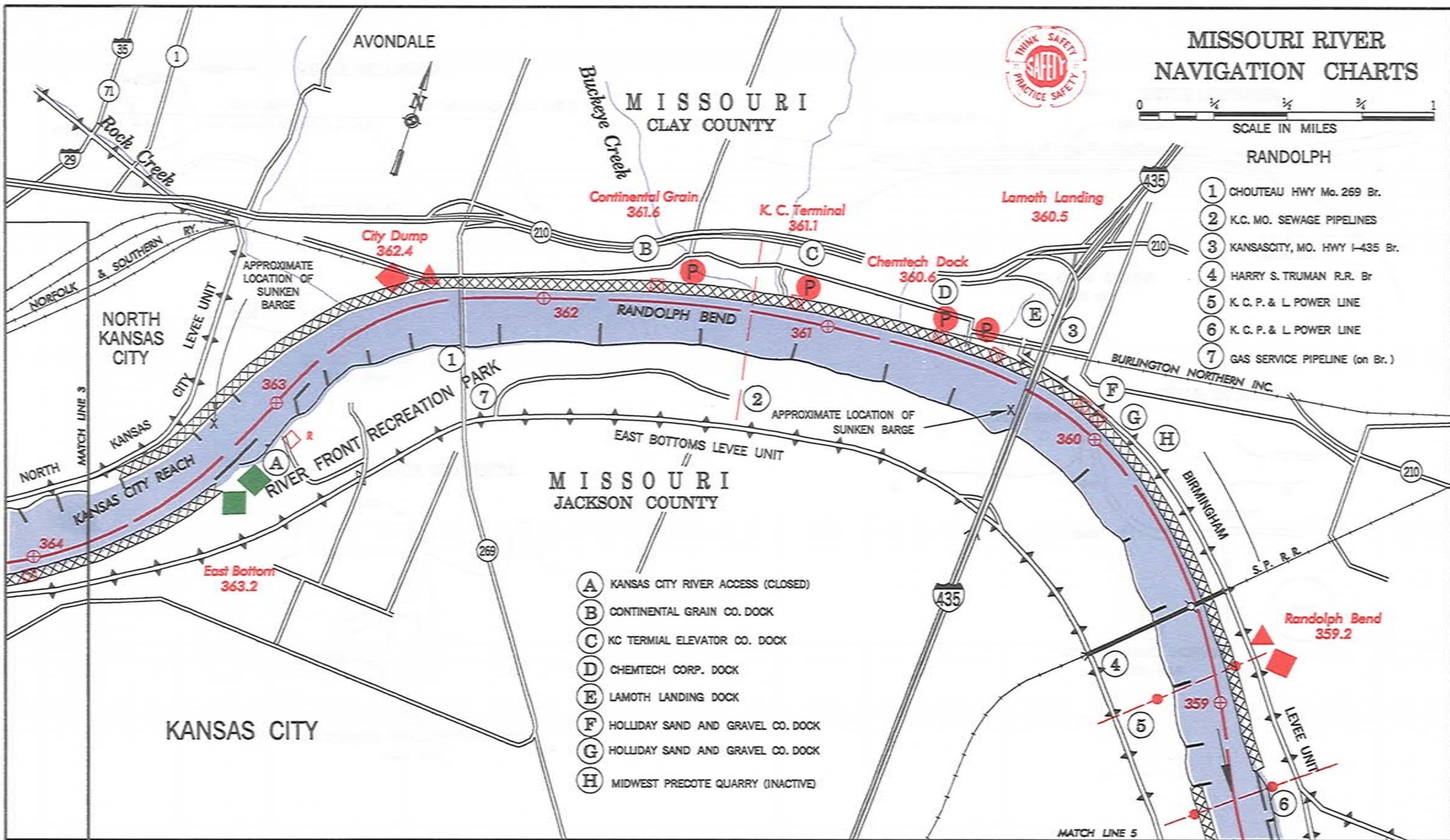
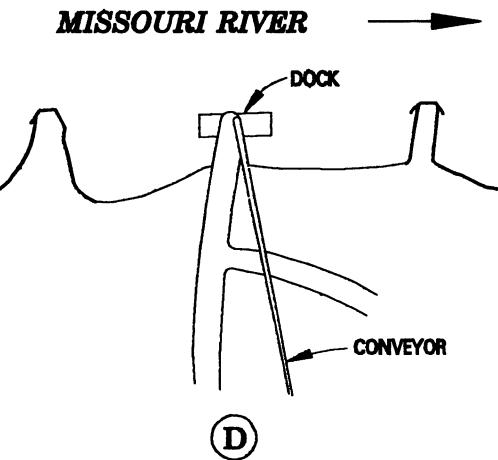
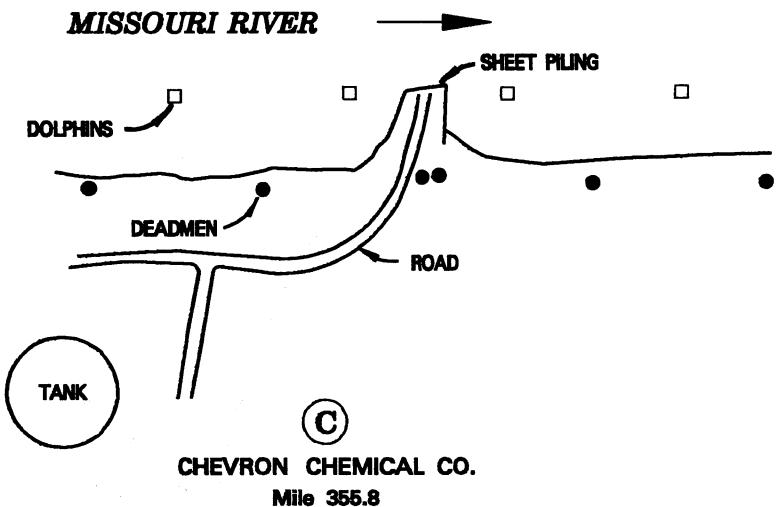
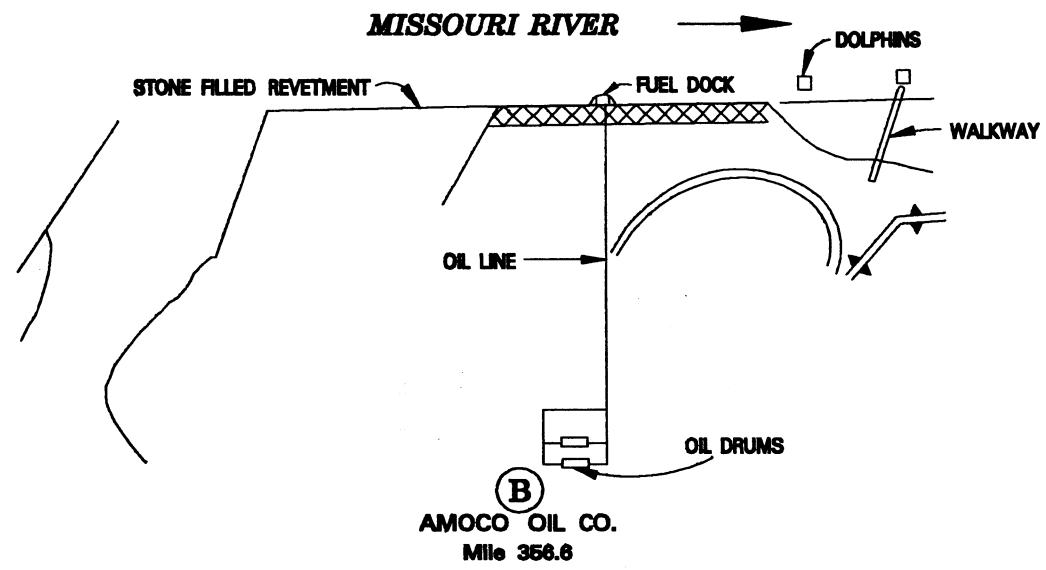
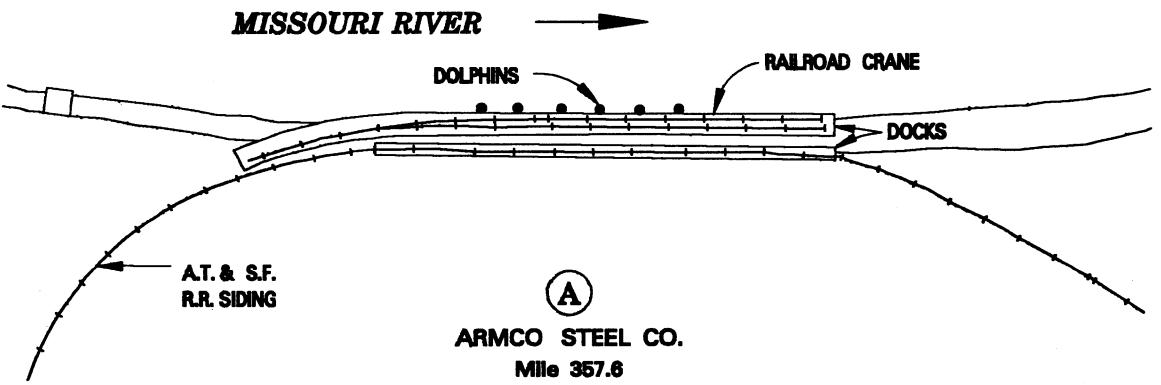
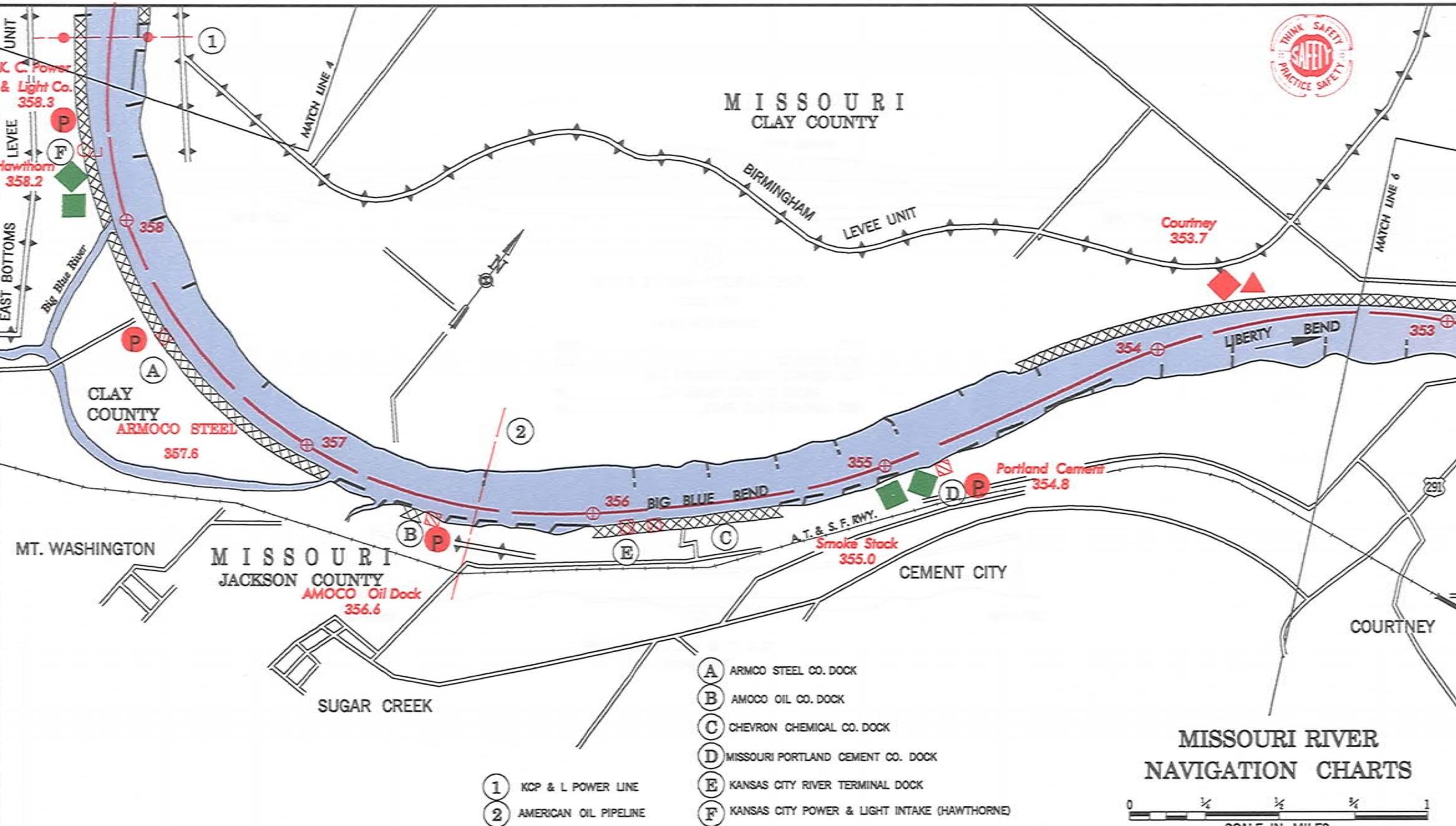


CHART NO. 4





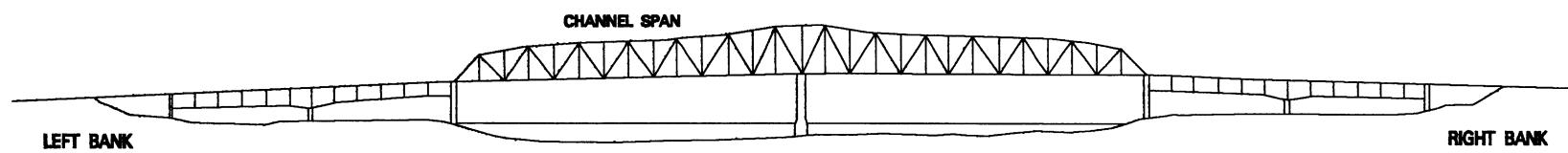
MISSOURI
CLAY COUNTY



MISSOURI RIVER
NAVIGATION CHARTS

0 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 1
SCALE IN MILES

CHART NO. 5



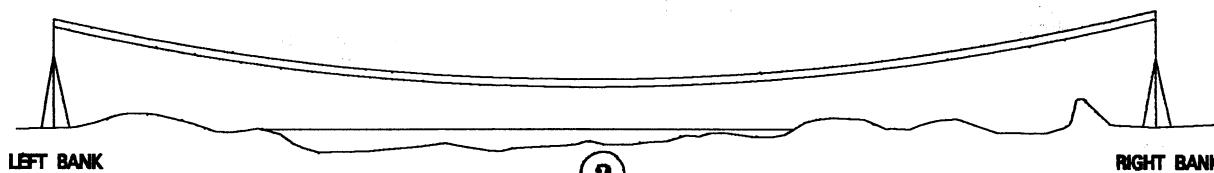
①

INDEP.-LIBERTY HWY US 291 Br.

Mile 352.7

CHANNEL SPAN DATA

TYPE	-----	FIXED
HORIZ. CLEARANCE	-----	400.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW KANSAS CITY GAGE READING 4.5)	-----	67'
VERT. CLEARANCE (FLOOD STAGE)	-----	54'



②

K. C. P. & L POWER LINE

Mile 349.0

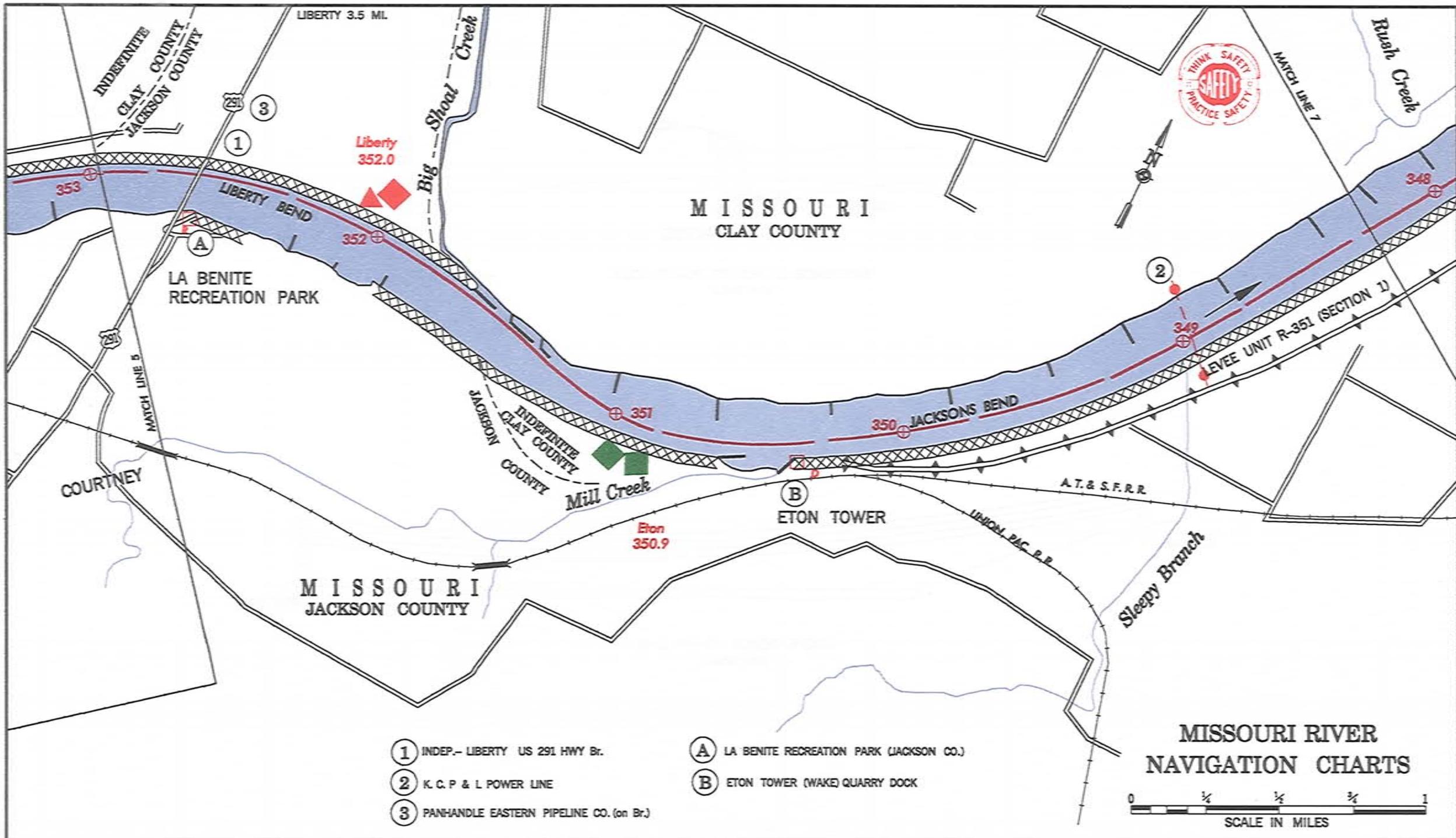
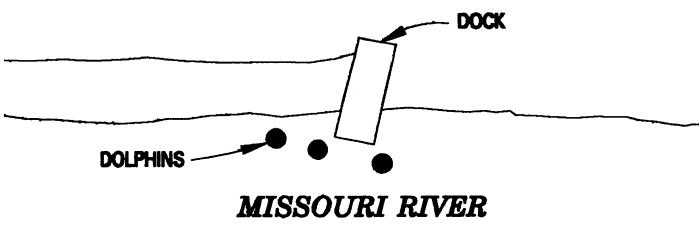
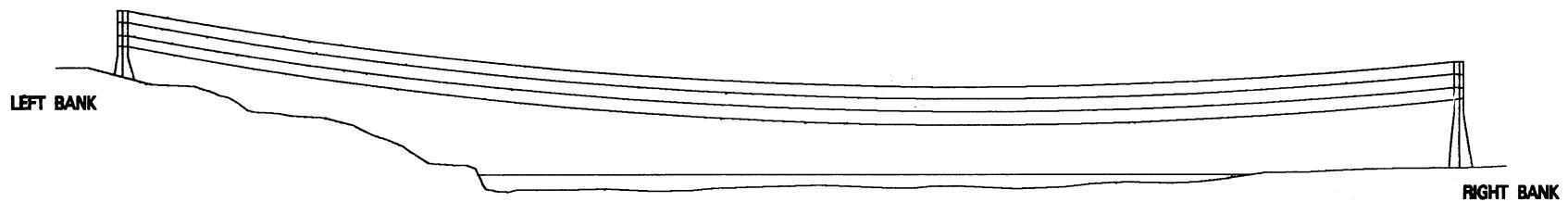


CHART NO. 6



INDEPENDENCE POWER PLANT DOCK
Mile 345.3



INDEPENDENCE POWER LINE
Mile 344.9

MISSOURI RIVER
NAVIGATION CHARTS



0 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 1
SCALE IN MILES

MISSOURI
CLAY COUNTY

BURLINGTON NORTHERN INC.

Rush Creek
MATCH LINE 6

MISSOURI
JACKSON COUNTY

BURLINGTON NORTHERN INC.

ATHERTON

INDEPENDENCE POWER LINE

- (A) MISSOURI ROCK QUARRY, INC. DOCK
- (B) INDEPENDENCE POWER PLANT INTAKE
- (C) INDEPENDENCE POWER PLANT DOCK

Rush Creek
345.9

INDEPENDENCE POWER PLANT

345.3

346

345

1

1

344

Missouri City
344.0

JACKSON BEND

347

348

Jackson Bend Dike
347.4

LEVEE UNIT R-351 (SECTION 1)

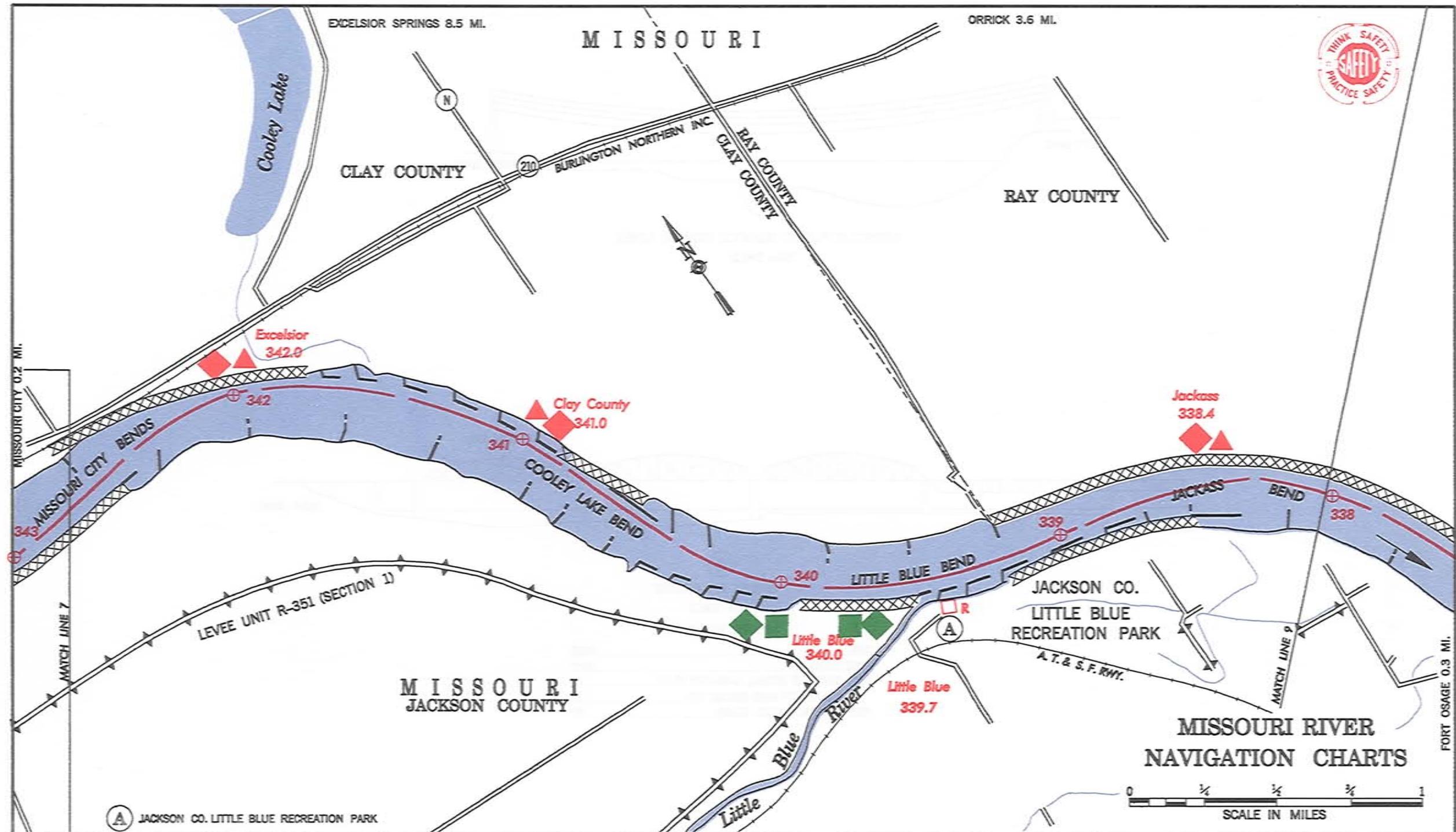
MISSOURI CITY

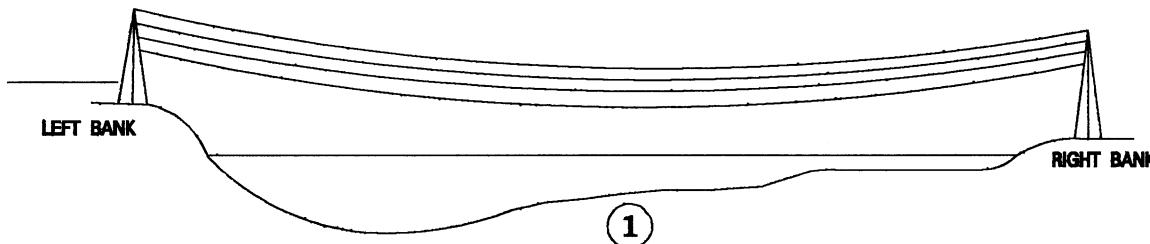
EXCELSIOR SPRINGS 8.6 MI.

MATCH LINE 8

Jackson County
343.1

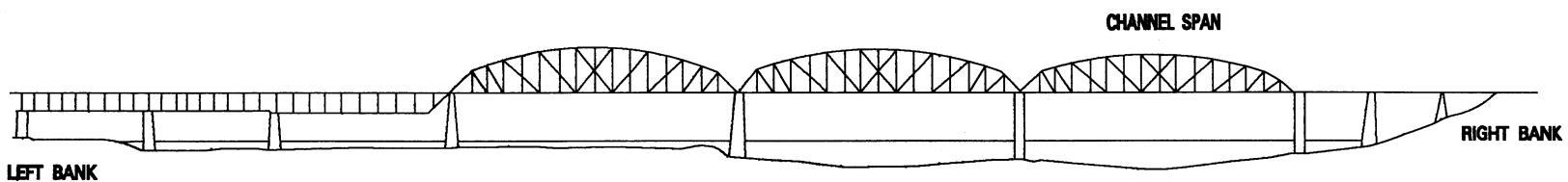
CHART NO. 7





MISSOURI PUBLIC SERVICE POWER LINES

Mile 336.2



SIBLEY RR BRIDGE

Mile 336.2

CHANNEL SPAN DATA

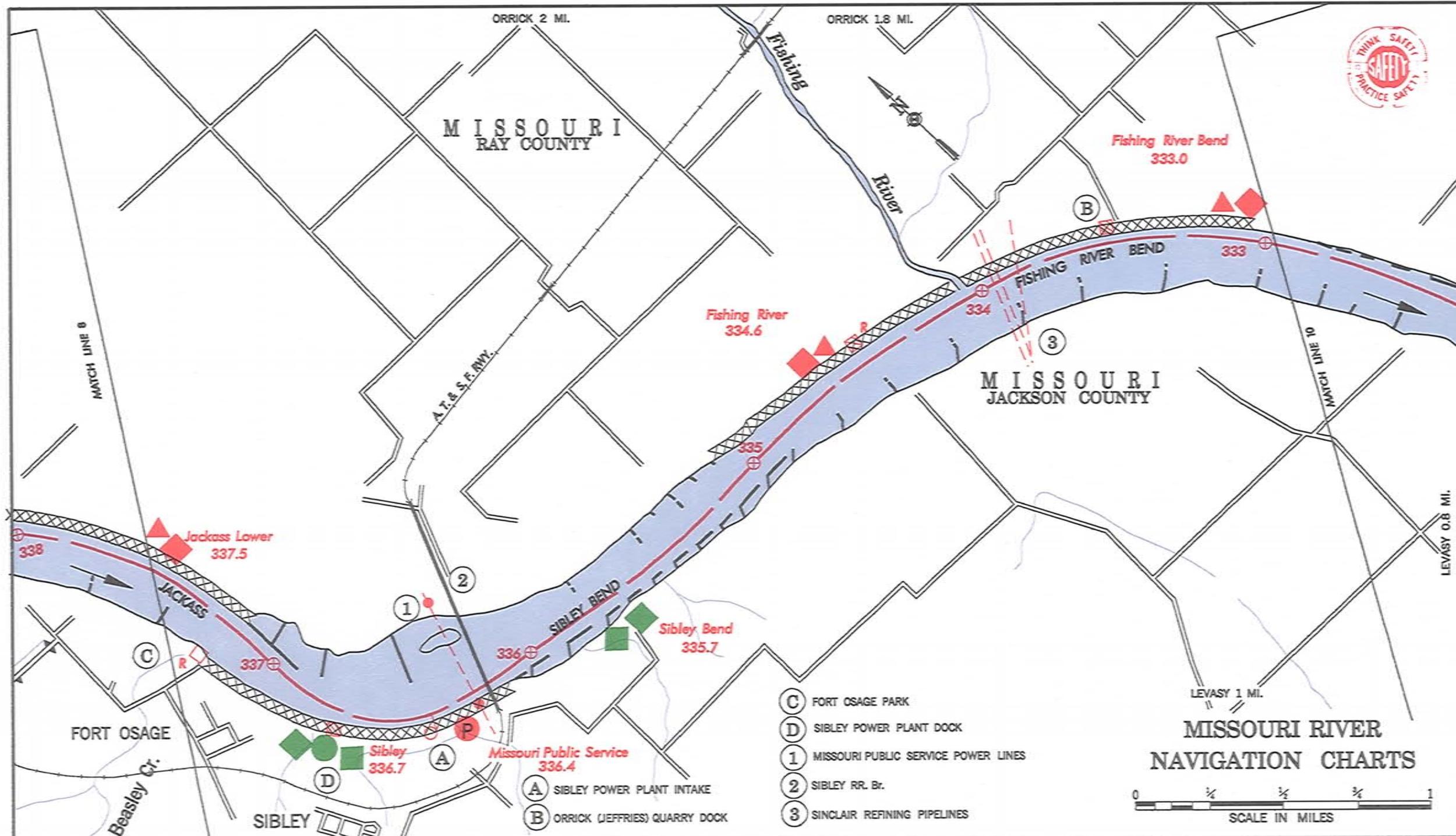
TYPE	-----	FIXED
HORIZ. CLEARANCE	-----	383.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	-----	
KANSAS CITY GAGE READING 45)	-----	75'
VERT. CLEARANCE (FLOOD STAGE)	-----	65'

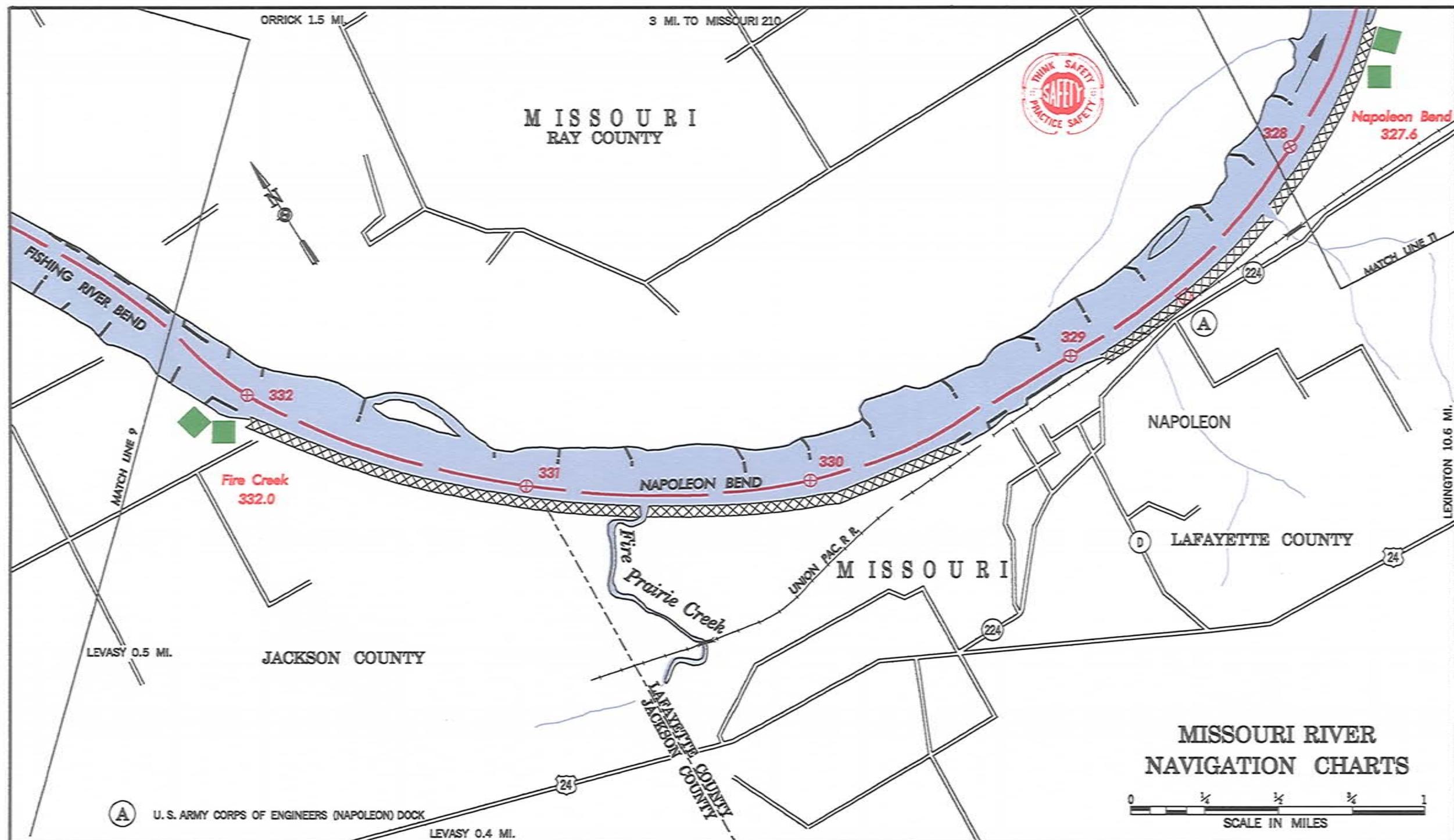


MISSOURI RIVER NAVIGATION CHARTS

0 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 1
SCALE IN MILES

CHART NO. 9





(A) U.S. ARMY CORPS OF ENGINEERS (NAPOLEON) DOCK

LEVASY 0.4 MI.

0 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 1
SCALE IN MILES

CHART NO. 10

MISSOURI RIVER NAVIGATION CHARTS

3.5 MI. TO MISSOURI 210

MISSOURI
LAFAYETTE COUNTY

RAY
COUNTY

LAFAYETTE COUNTY
RAY COUNTY

3 MI. TO MISSOURI 210

Panther Cr.

Camden Bend
326.5

CAMDEN BEND

325

326

Camden Bend Dike
324.1

324

MISSOURI
LAFAYETTE COUNTY

LAFAYETTE COUNTY
RAY COUNTY

Sunshine Doin

RAY COUNTY

MATCH LINE 12

328 NAPOLEON BEND

Napoleon Bend
327.6

UNION PAC. R.R.

323 SNI BEND

323.2

SNI -A -Bar River

WATERLOO

WELLINGTON

131

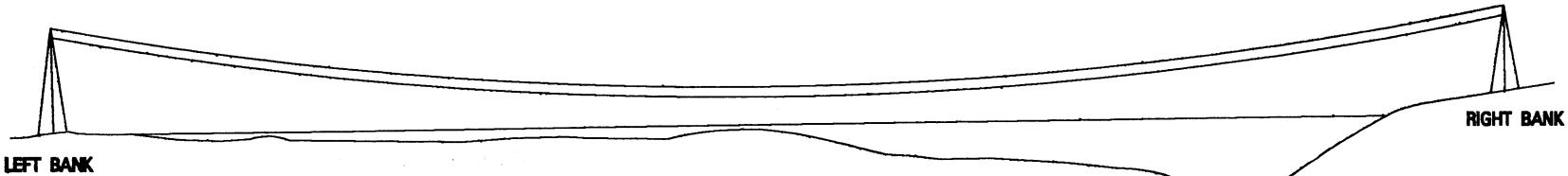
224

MATCH LINE 10

CHART NO. 11

SCALE IN MILES

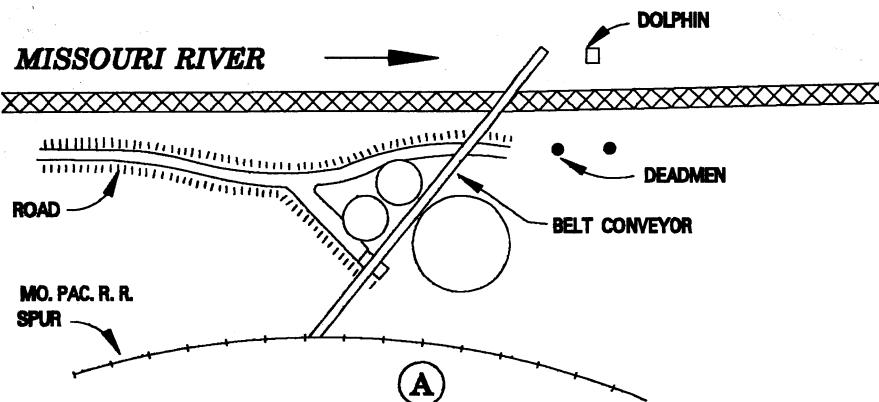




①

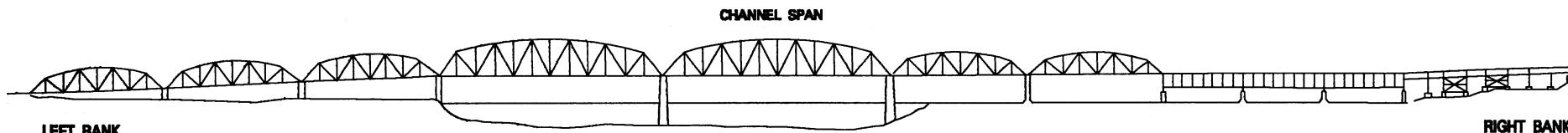
MISSOURI PUBLIC SERVICE CO.

Mile 318.7



M. F. A. CENTRAL CO-OP

Mile 318.7



②

LEXINGTON HIGHWAY BRIDGE

Mile 317.3

CHANNEL SPAN DATA

TYPE	FIXED
HORIZ. CLEARANCE	400'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	
WAVERLY GAGE READING 11.4	50'
VERT. CLEARANCE (FLOOD STAGE)	51'

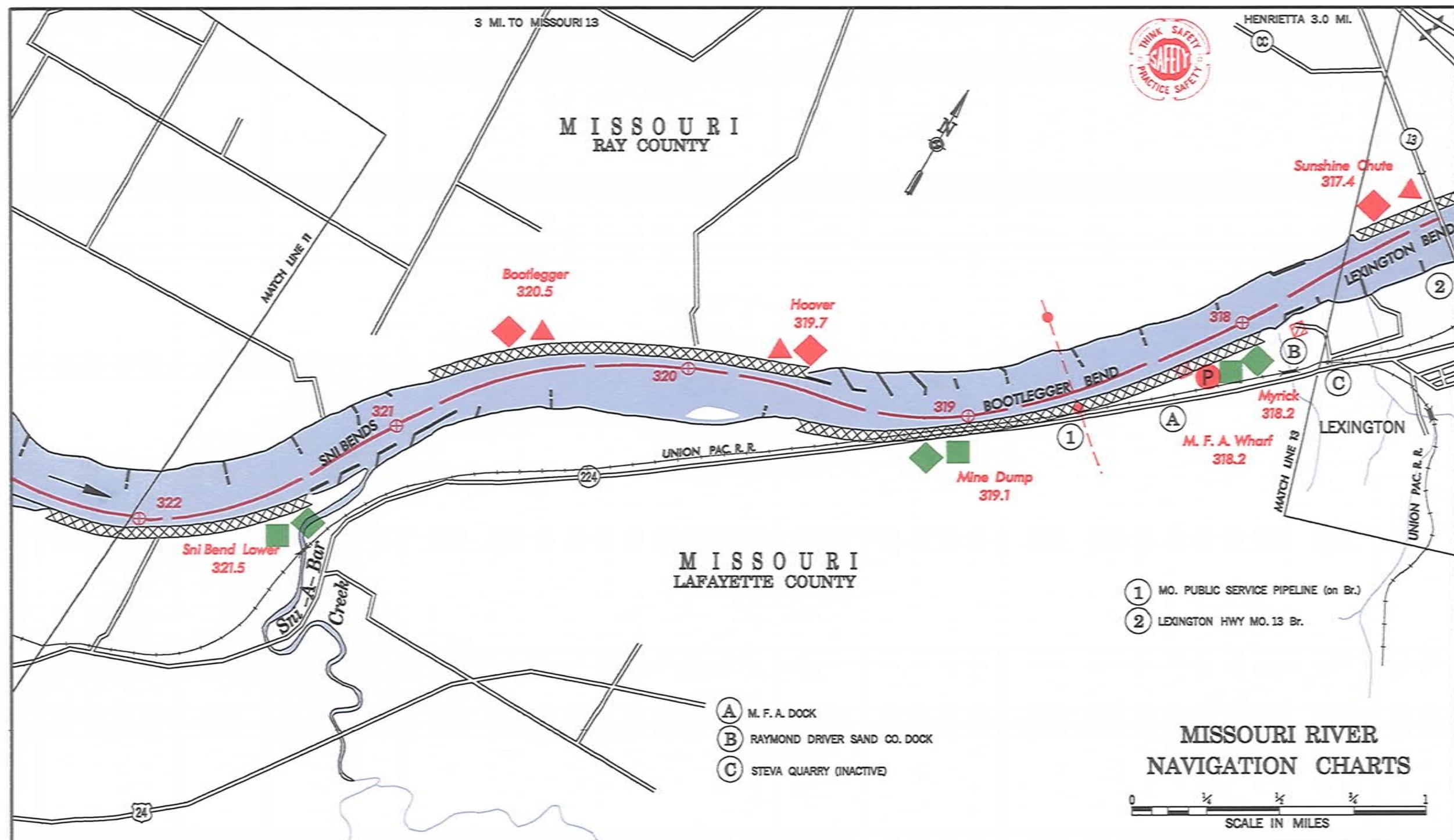


CHART NO. 12

MISSOURI RIVER NAVIGATION CHARTS

0 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 1
SCALE IN MILES



MISSOURI
RAY COUNTY

HARDIN 3 MI.

- (A) GREEN QUARRIES, Inc. DOCK
- (B) BATTLE OF LEXINGTON STATE HISTORIC SITE

HENRIETTA 3.0 MI.

Willow Creek

Crooked River
(New Channel)

Sunshine Chute
317.4

R BATTLE OF LEXINGTON STATE HISTORIC SITE

UNION PAC.R.R.

MISSOURI
LAFAYETTE COUNTY

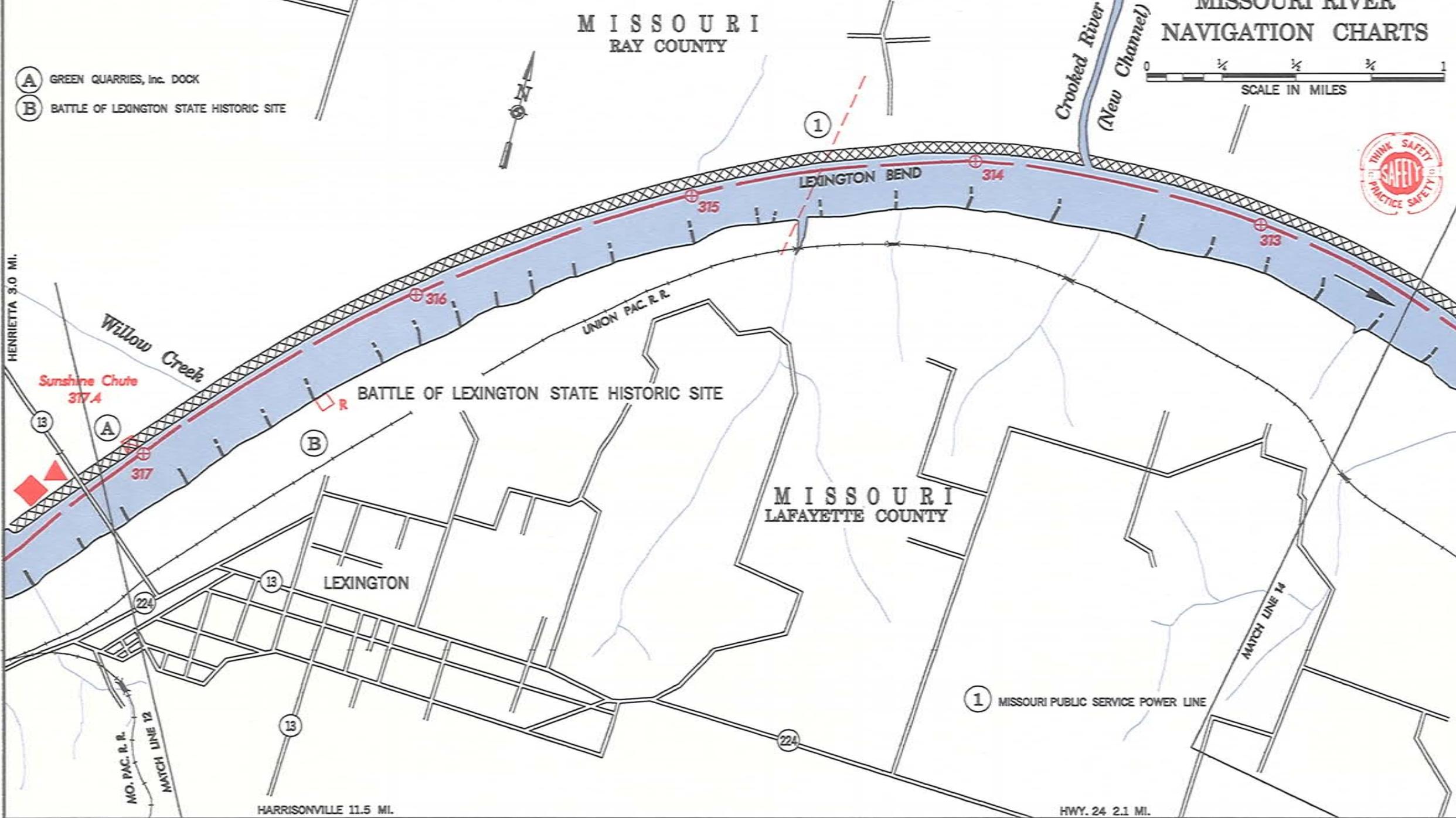


CHART NO. 13

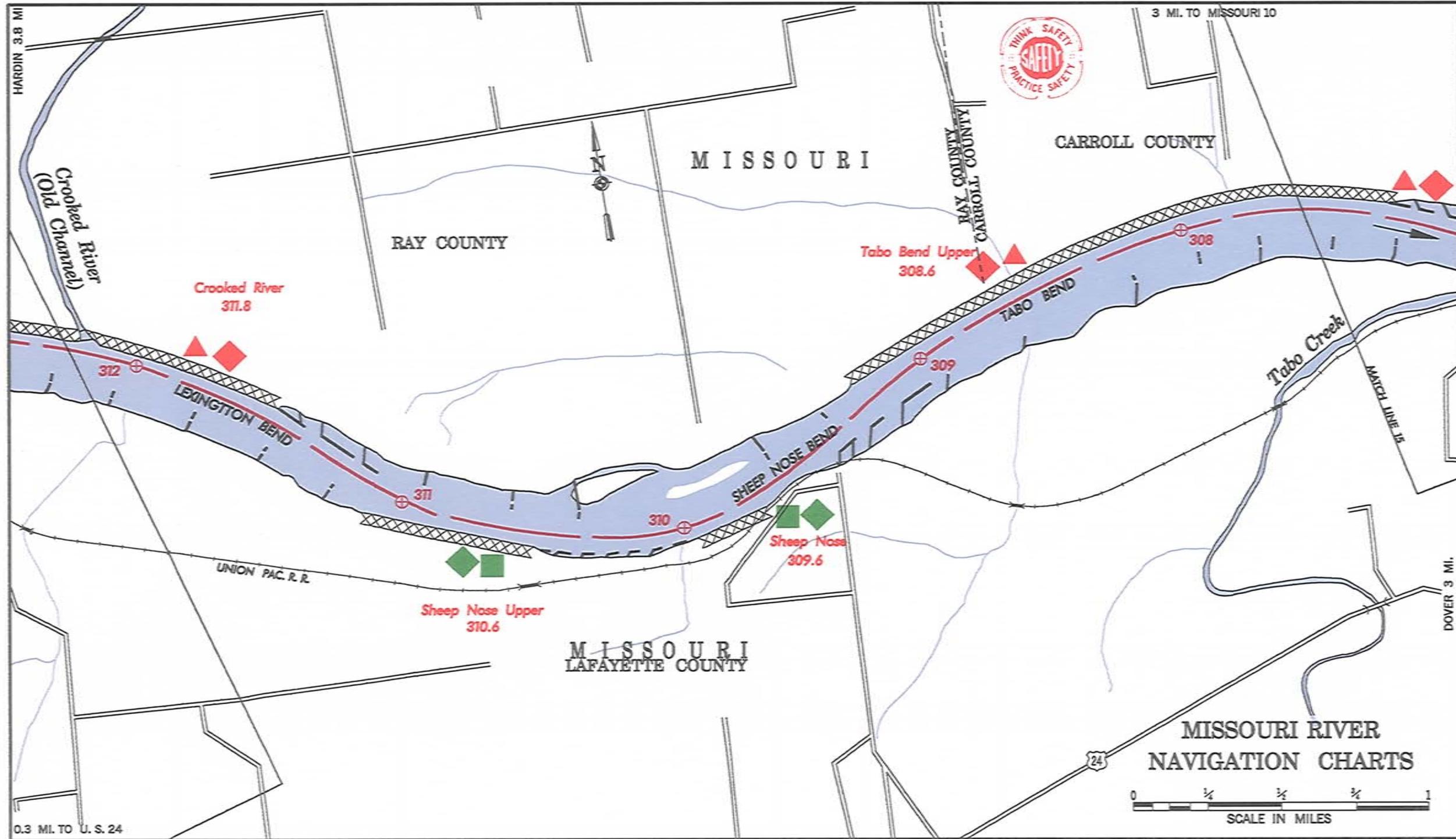


CHART NO. 14



1.5 MI. TO MISSOURI 10



MISSOURI
CARROLL COUNTY

Tabo Bend Lower
307.2

(A) HIGGINSVILLE WATER CO. INTAKE

Tabo Creek
TABO BEND
307

MATCH LINE 14

0.3 MI. U.S. 24

Baltimore Bend
304.0

304

BALTIMORE BEND
303

Baltimore Island
302.0

302

UNION PAC. R.R.

MATCH LINE 15

1.4 MI. TO H

MISSOURI
LAFAYETTE COUNTY

DOVER

F

DOVER STATION

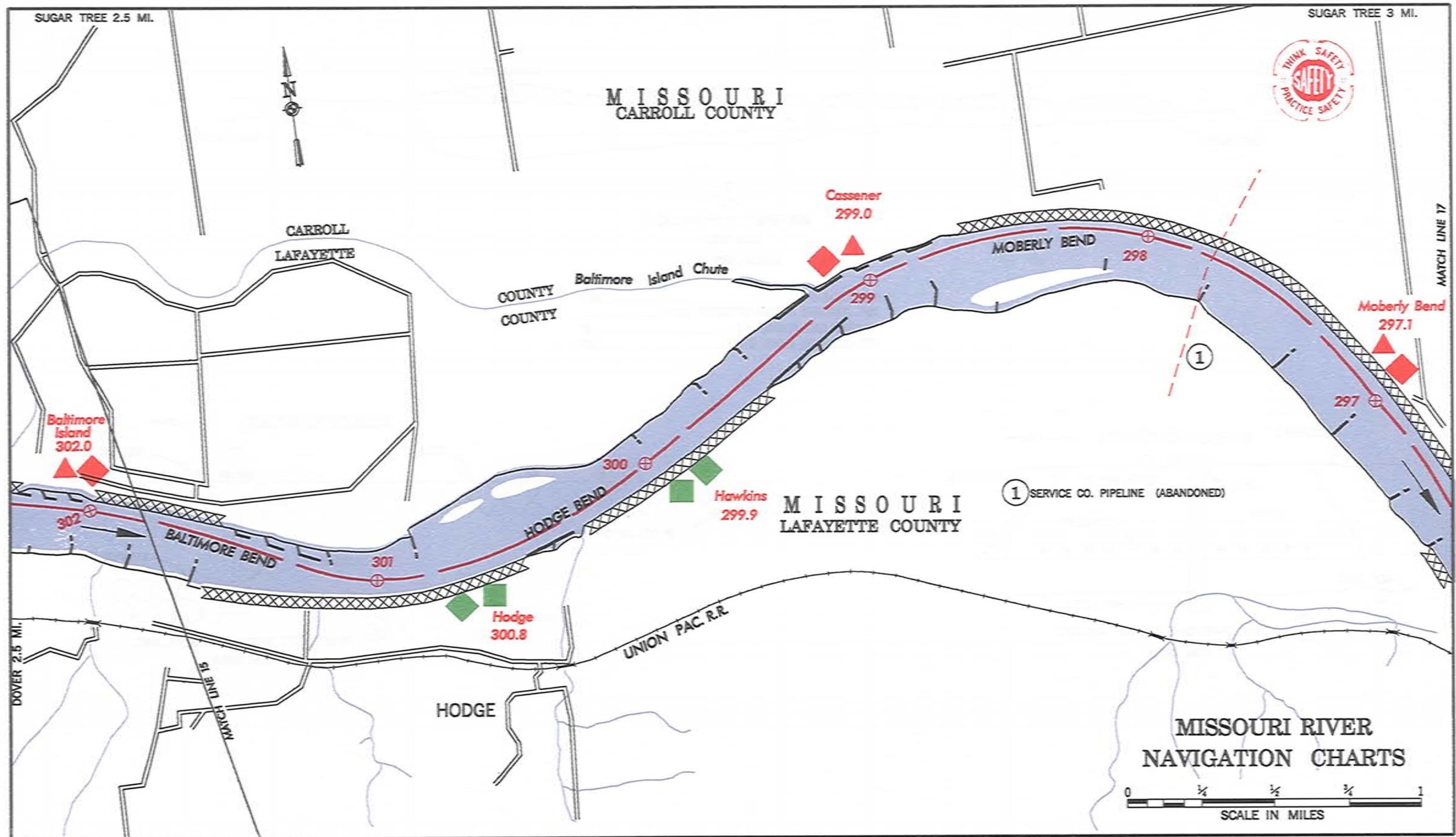
(A)
Berlin Bend
306.4

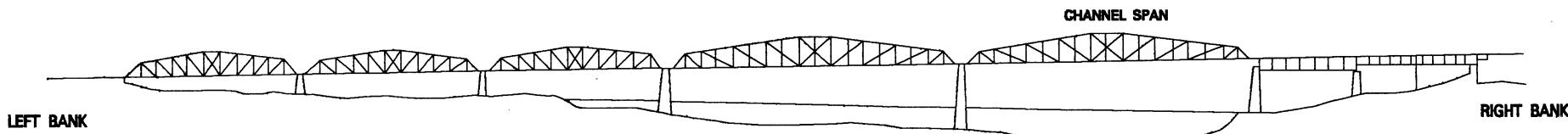
Dover
304.9

MISSOURI RIVER
NAVIGATION CHARTS

0 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 1
SCALE IN MILES

CHART NO. 15





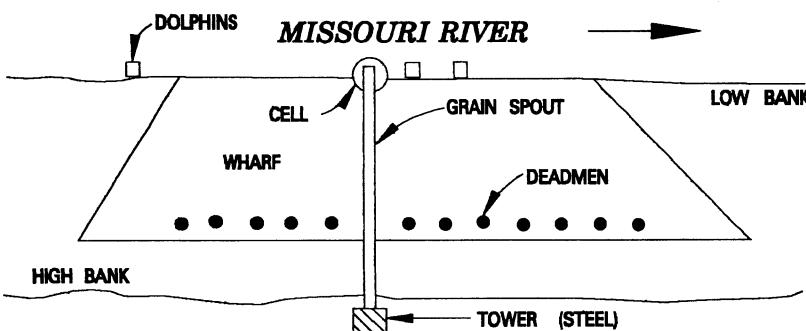
②

WAVERLY HWY. BRIDGE

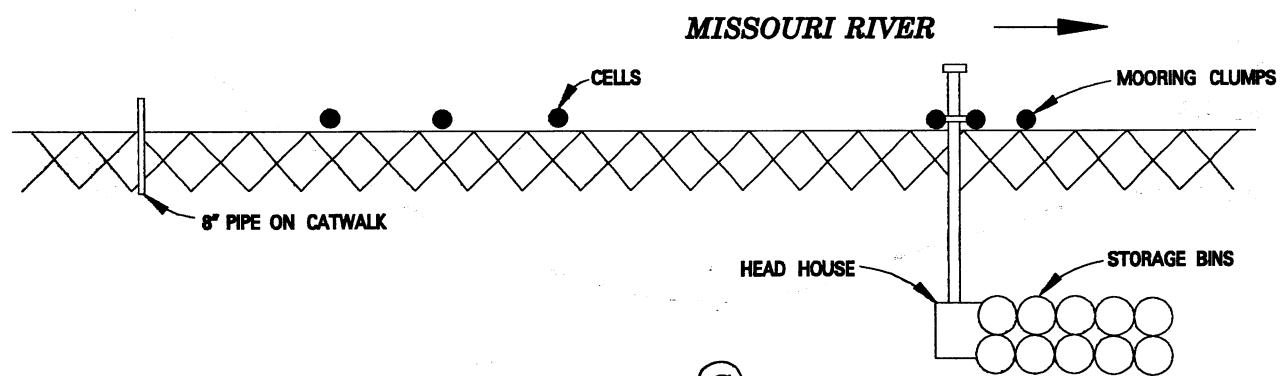
Mile 293.4

CHANNEL SPAN DATA

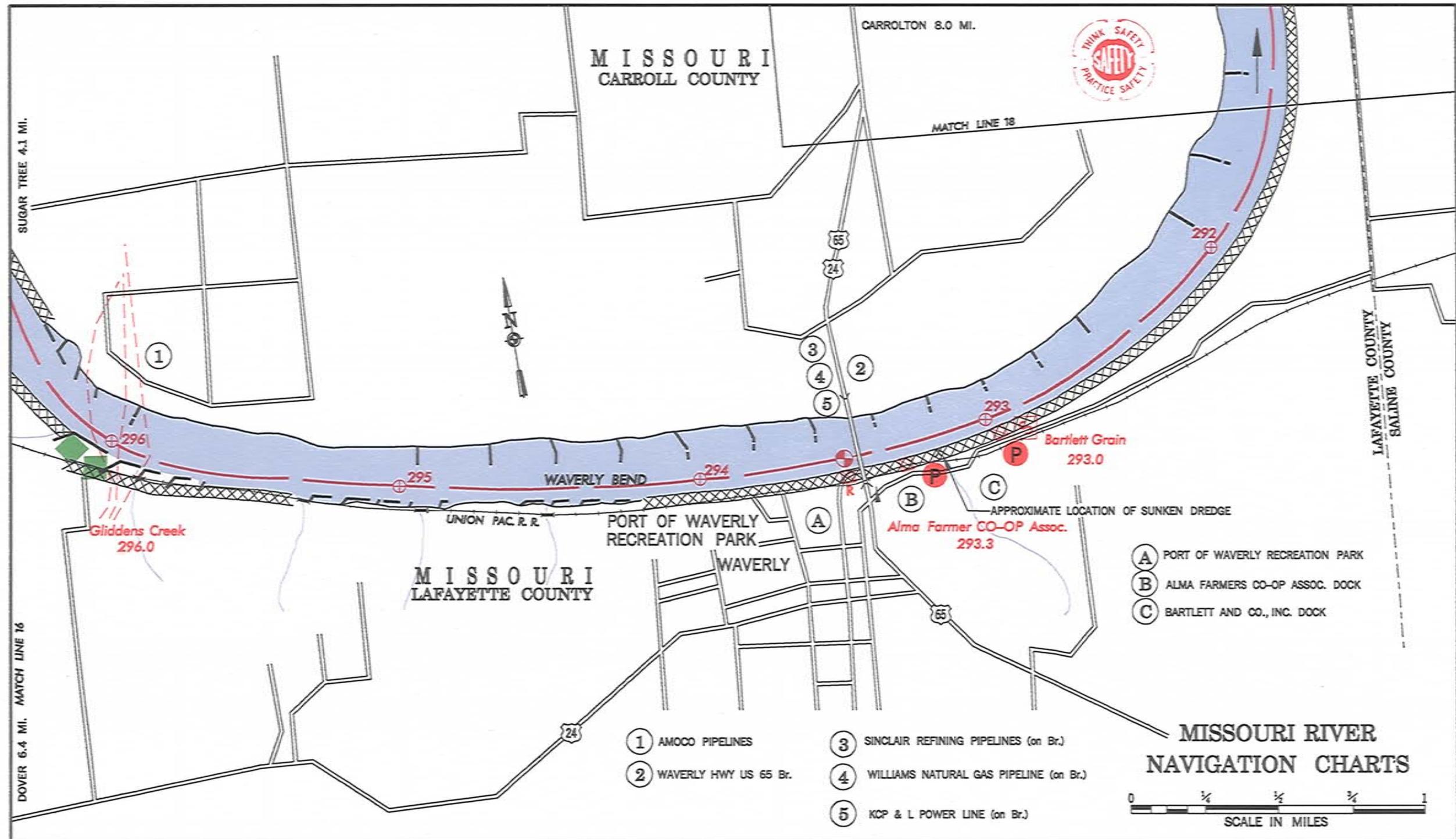
TYPE	-----	FIXED
HORIZ. CLEARANCE	-----	380.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	-----	81'
WAVERLY GAGE READING 11.4	-----	54'
VERT. CLEARANCE (FLOOD STAGE)	-----	



(B) ALMA FARMERS CO-OP ASSOC.
Mile 293.3



(C) BARTLETT AND COMPANY, INC.
Mile 293.0



MISSOURI RIVER NAVIGATION CHARTS

0 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 1
SCALE IN MILES

CARROLTON 2.8 MI.

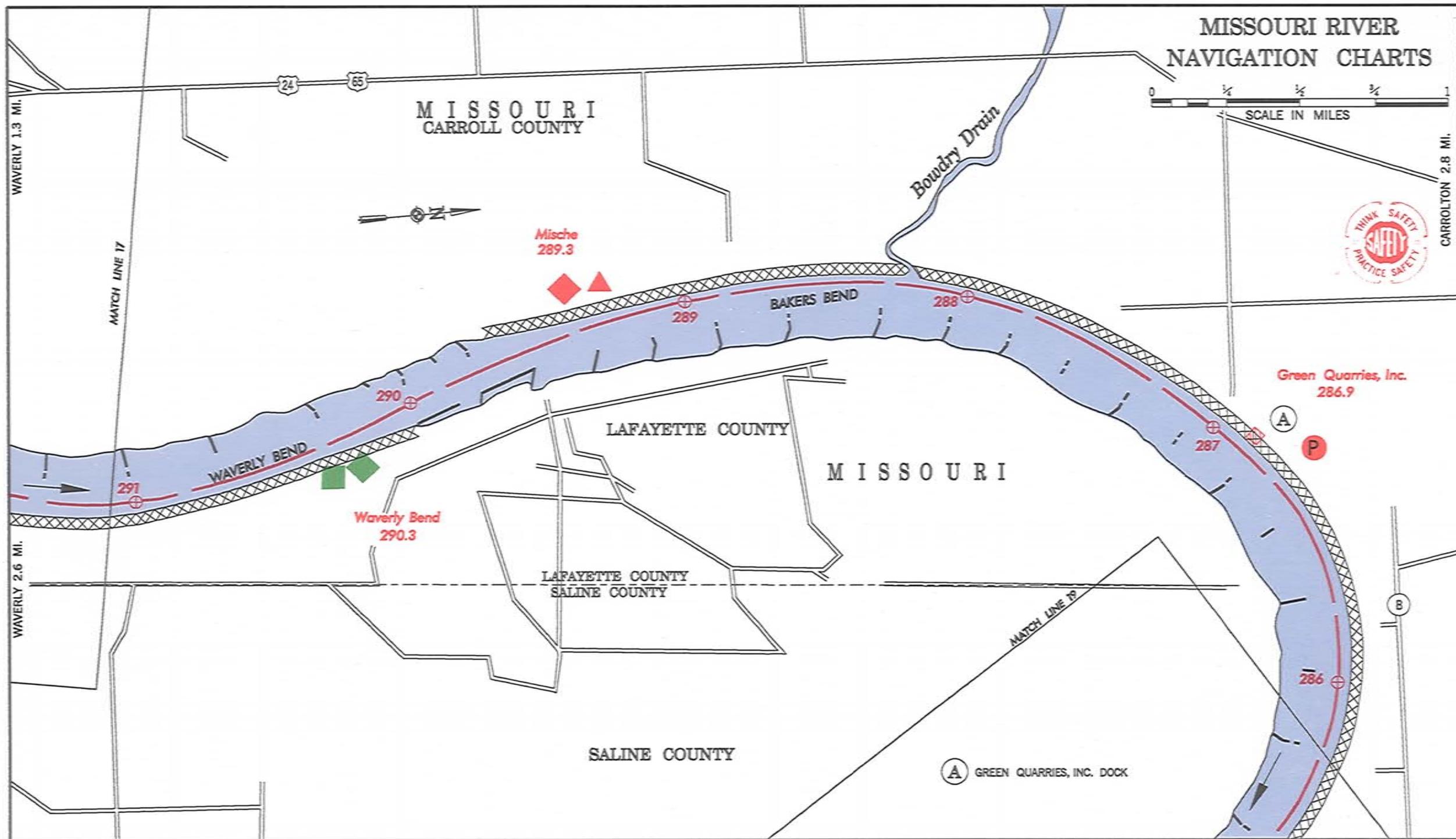


CHART NO. 18

MISSOURI RIVER NAVIGATION CHARTS

WAKENDA 4.1 MI.
0 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 1
SCALE IN MILES

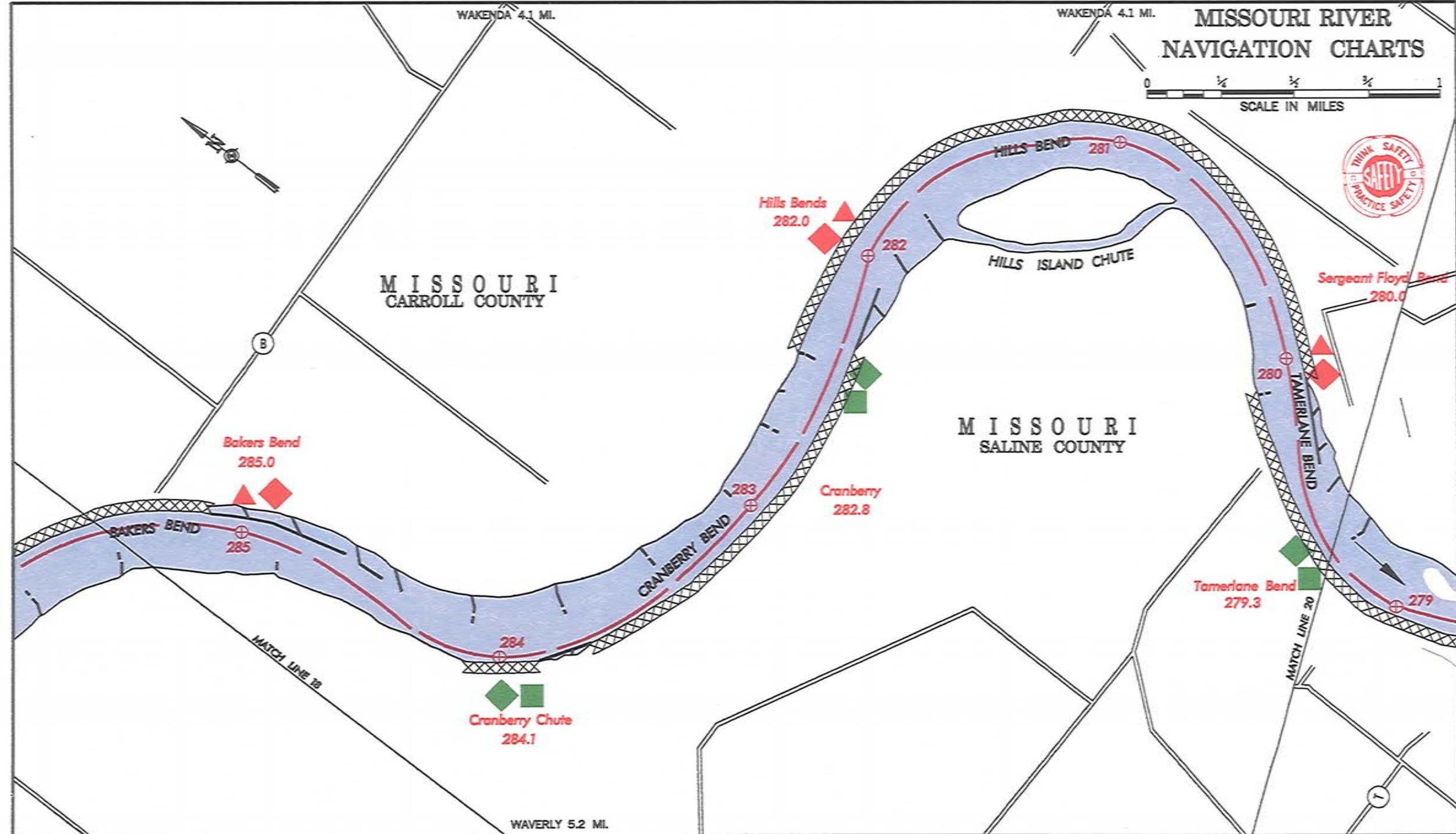


CHART NO. 19

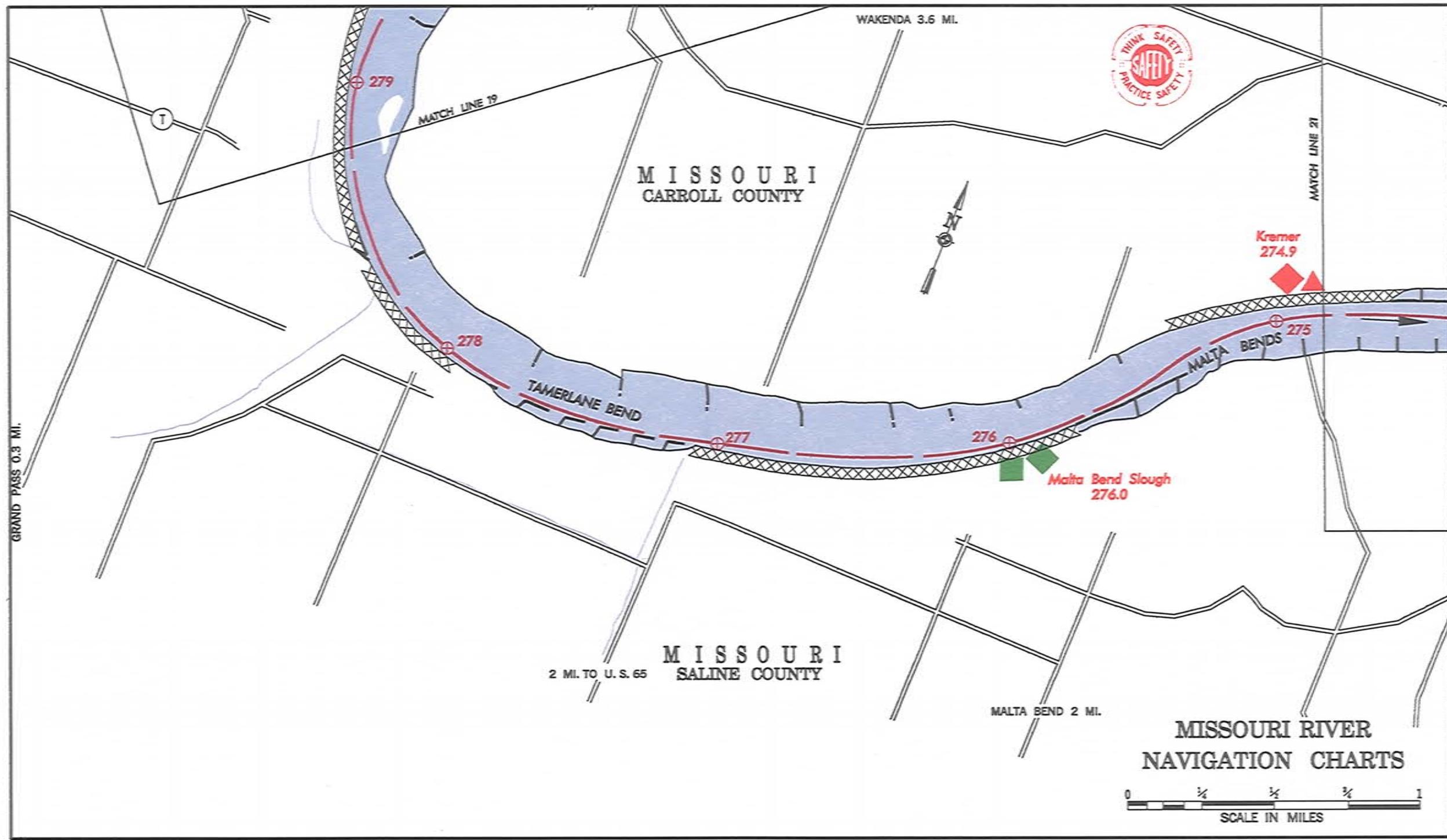


CHART NO. 20

MISSOURI RIVER NAVIGATION CHARTS

WAKENDA 5.2 MI.

MISSOURI
CARROLL COUNTY

SCALE IN MILES

MATCH LINE 20



Hamlet
273.8



MALTA BENDS

273

VAN METER STATE PARK 2.3 MI.

Prunty Bend
271.0



PRUNTY BEND

270

(A) BLUE MOUND (GREEN) QUARRY
(NEAR CHILlicothe)

269

MATCH LINE 22

MISSOURI
SALINE COUNTY

CHART NO. 21

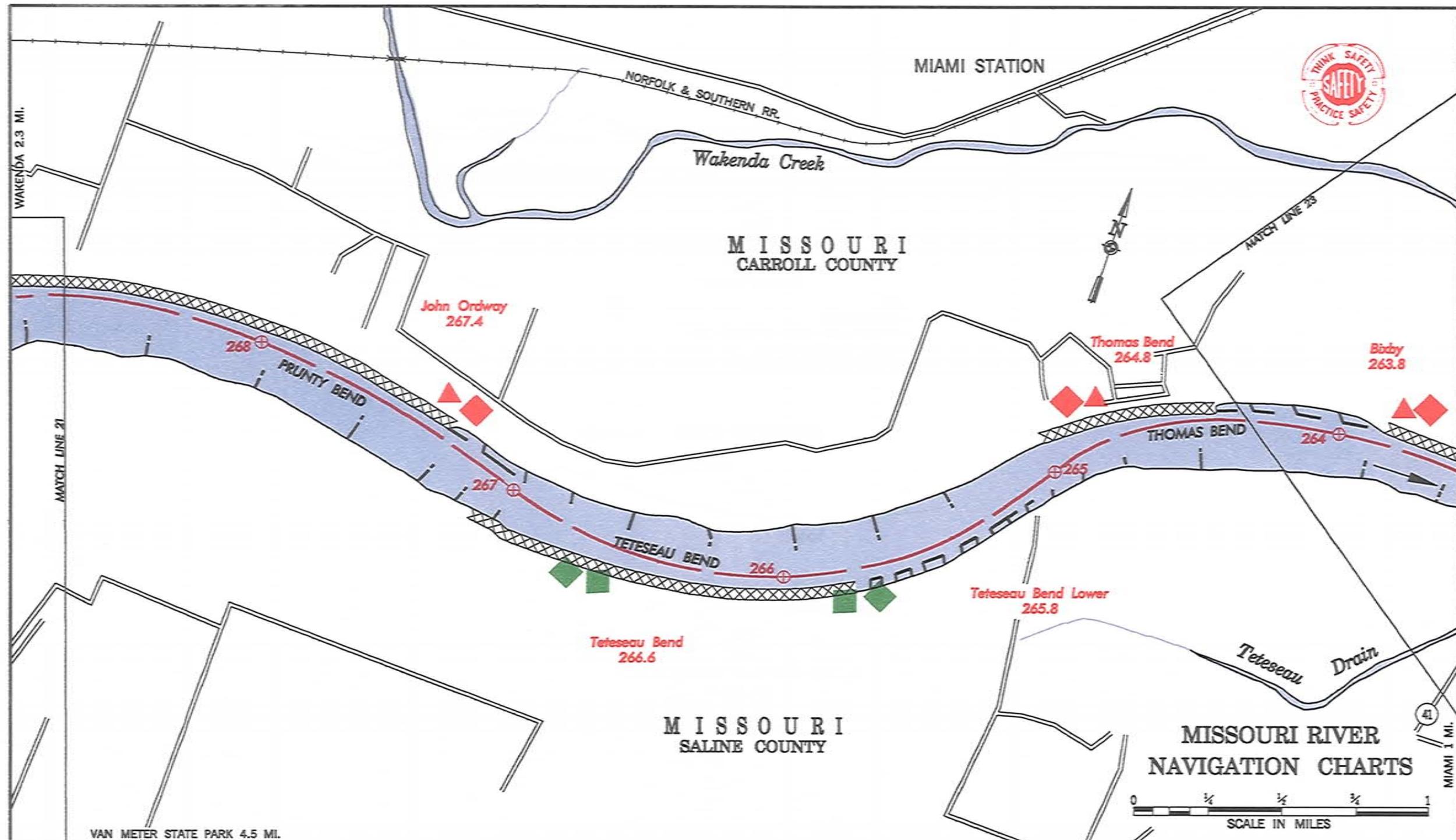
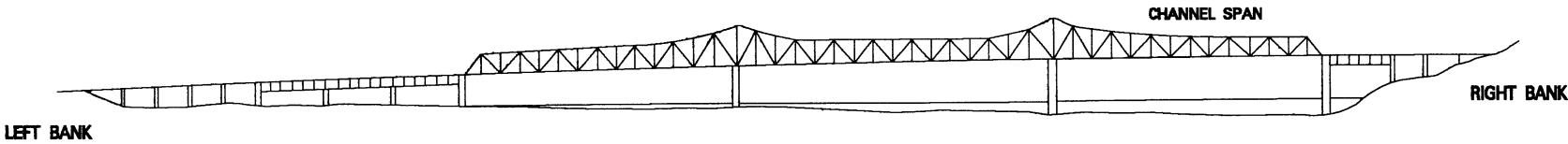


CHART NO. 22



①

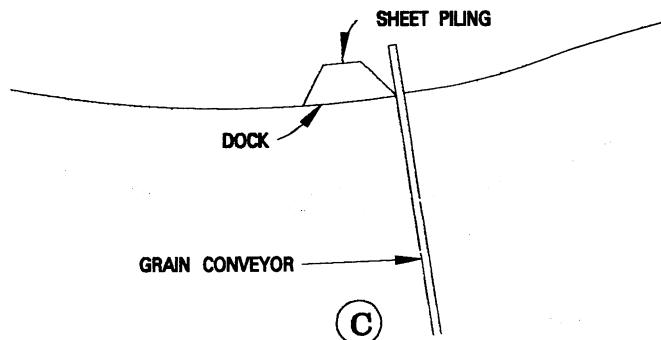
MIAMI (MO. 41) HWY. BRIDGE

Mile 262.2

CHANNEL SPAN DATA

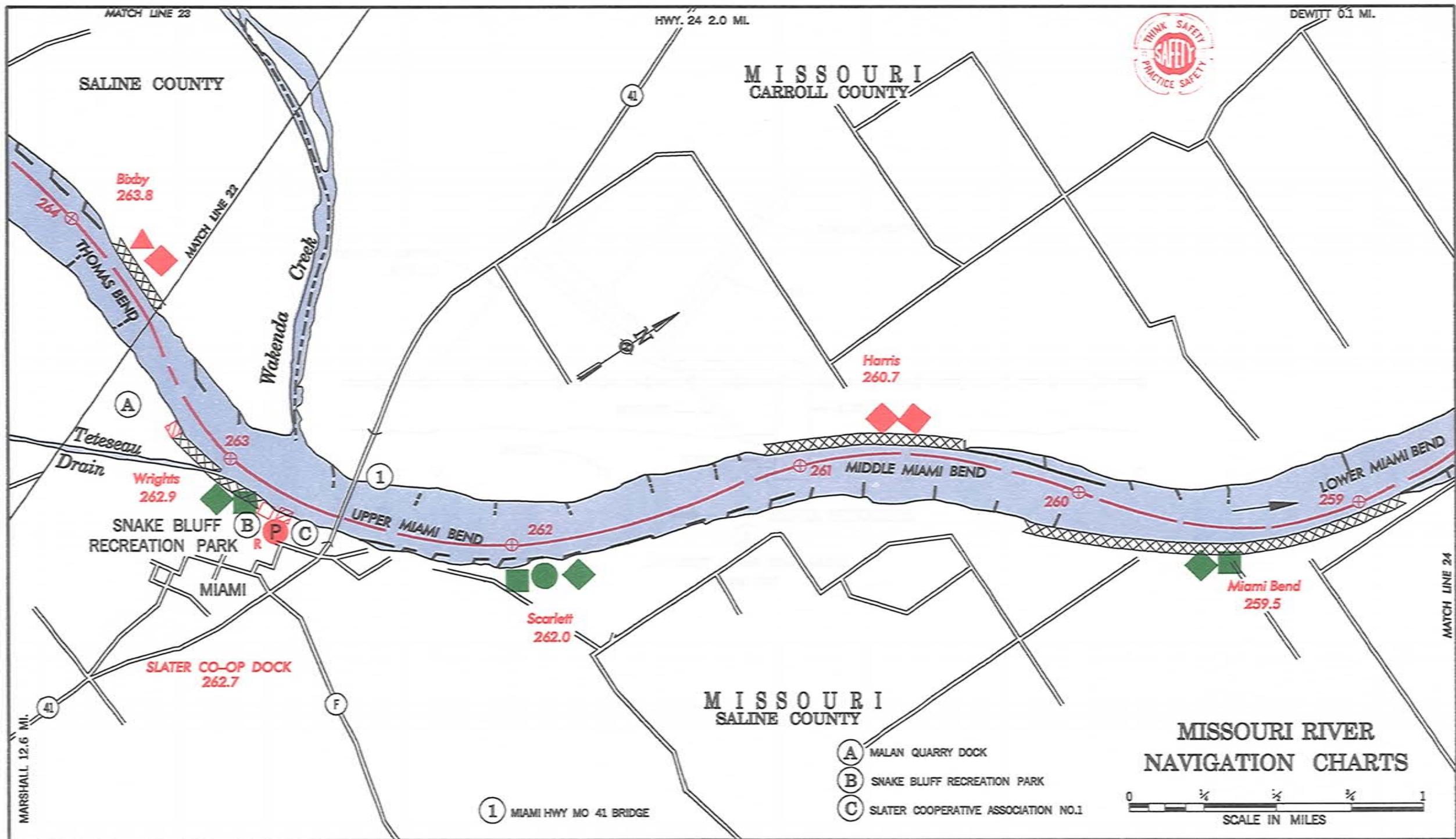
TYPE	FIXED
HORIZ. CLEARANCE	404.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	
WAVERLY GAGE READING 11.4)	72'
VERT. CLEARANCE (FLOOD STAGE)	48'

MISSOURI RIVER →



SLATER COOPERATIVE ASSOC. NO. 1

Mile 262.7

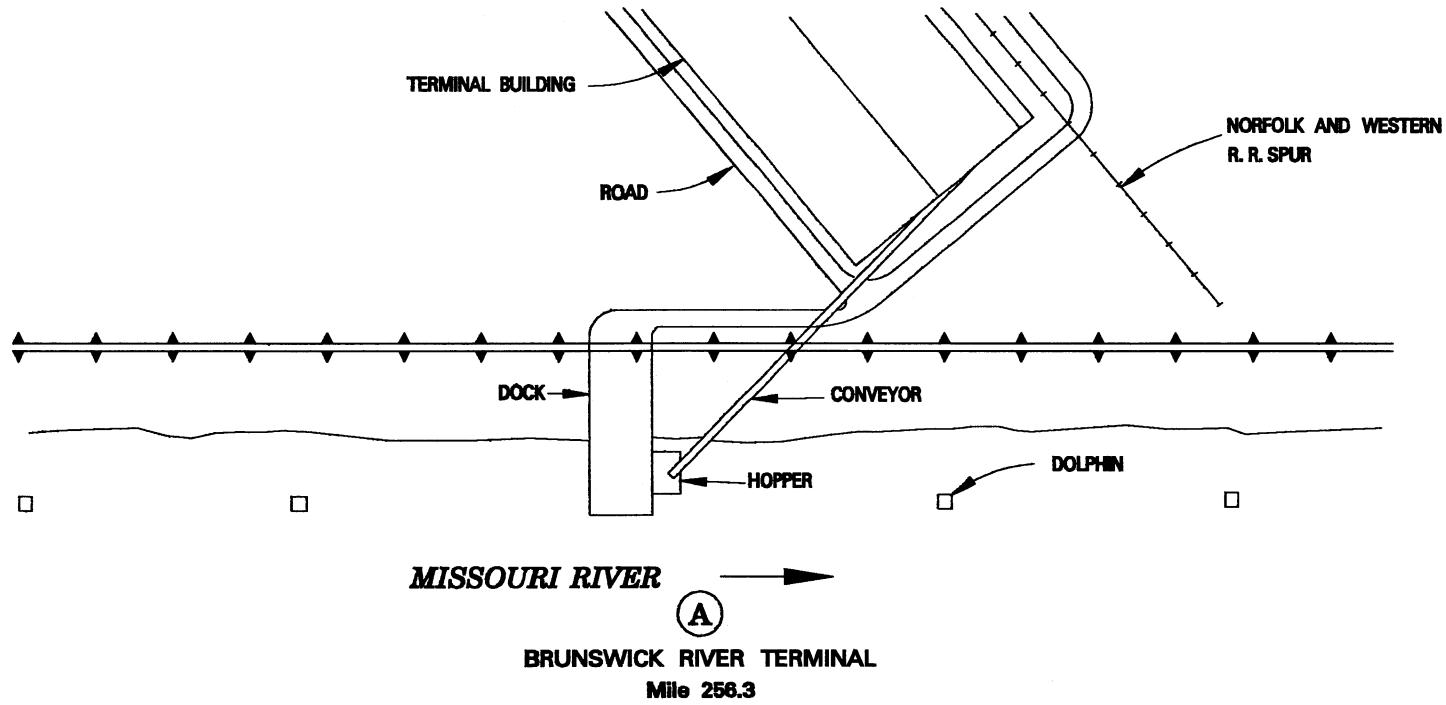


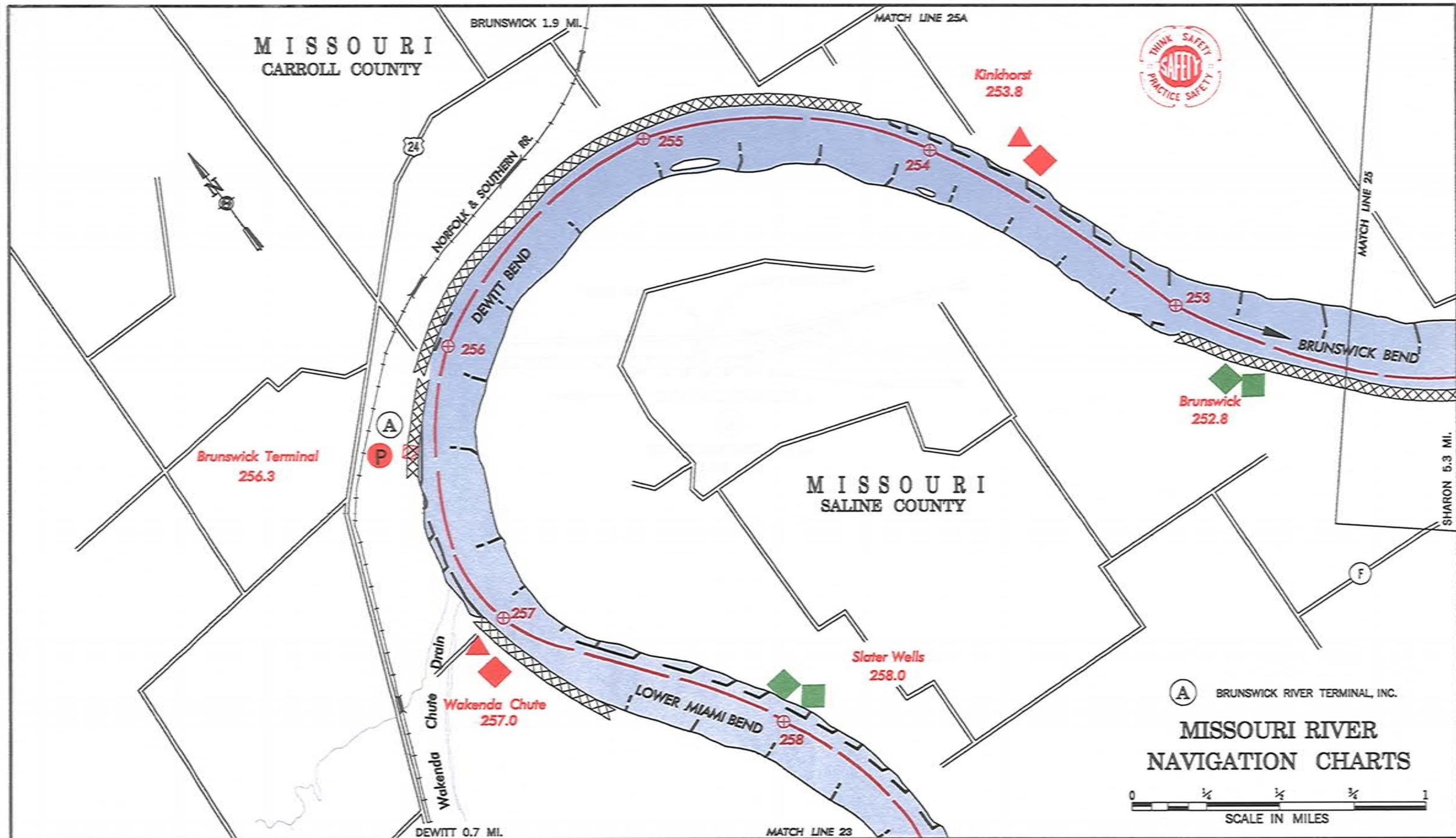
MISSOURI RIVER
NAVIGATION CHARTS

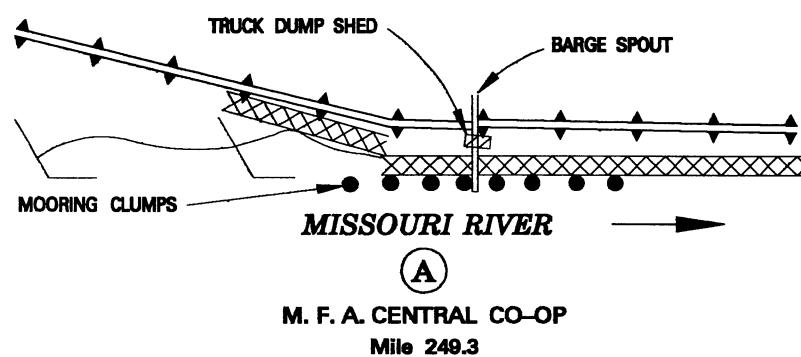
0 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 1
SCALE IN MILES

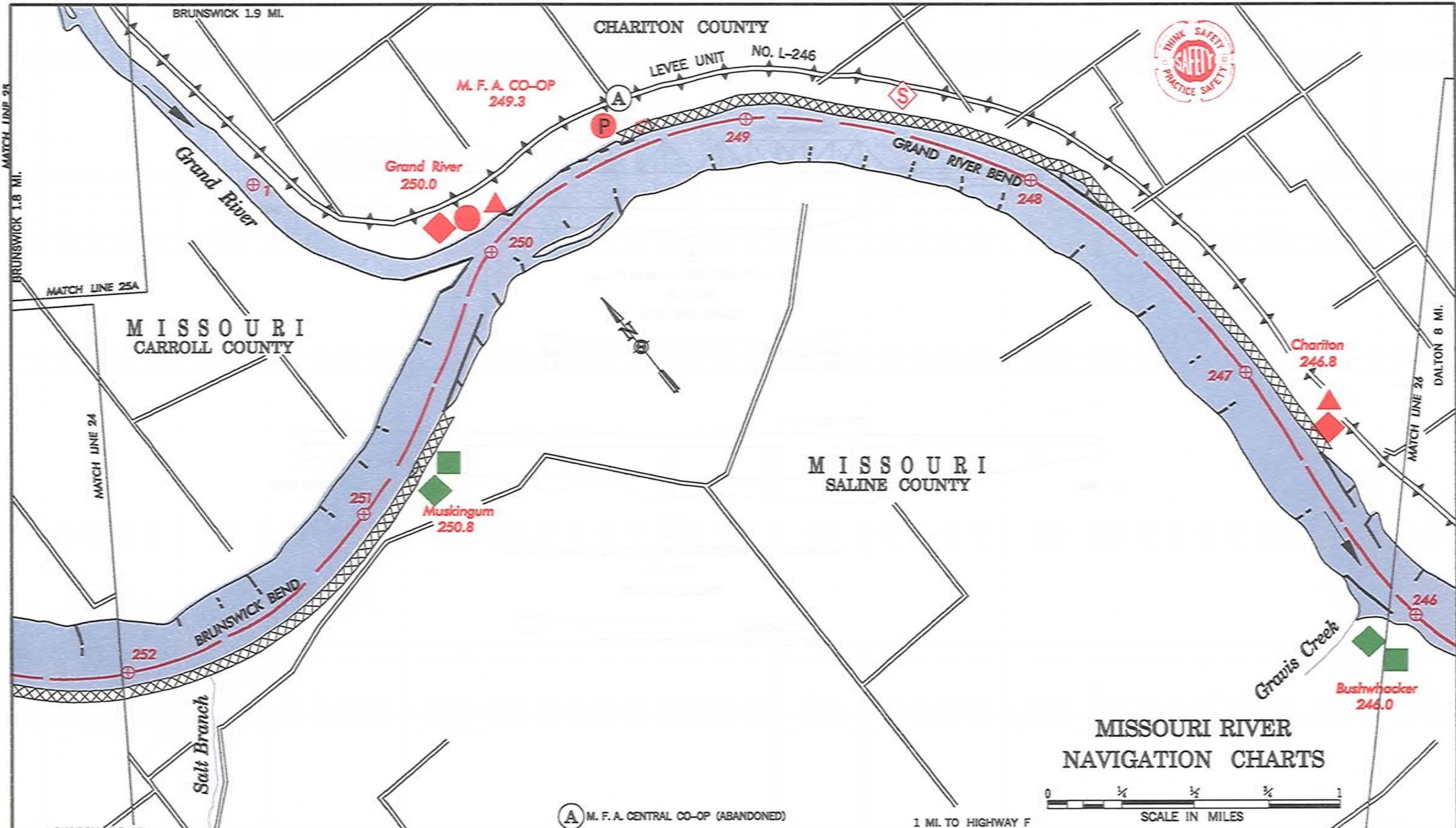
CHART NO. 23

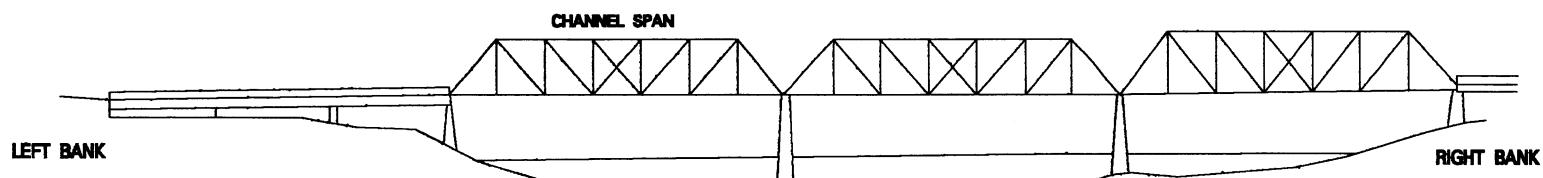










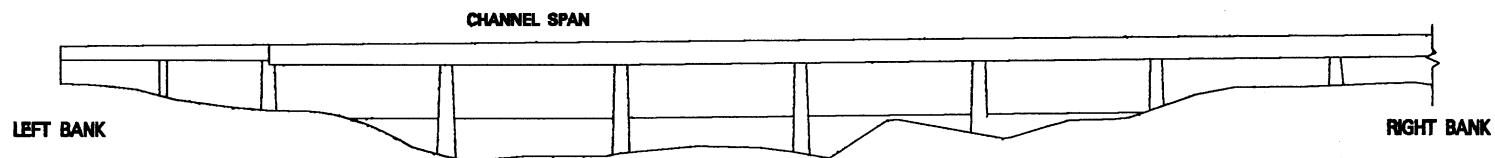


24 HWY. BRIDGE (Grand River)

Mile 5.8

CHANNEL SPAN DATA

TYPE	-----	FIXED
HORIZ. CLEARANCE	-----	132.0'
VERT. CLEARANCE	-----	23.2'



NORFOLK & WESTERN RY. BRIDGE (Grand River)

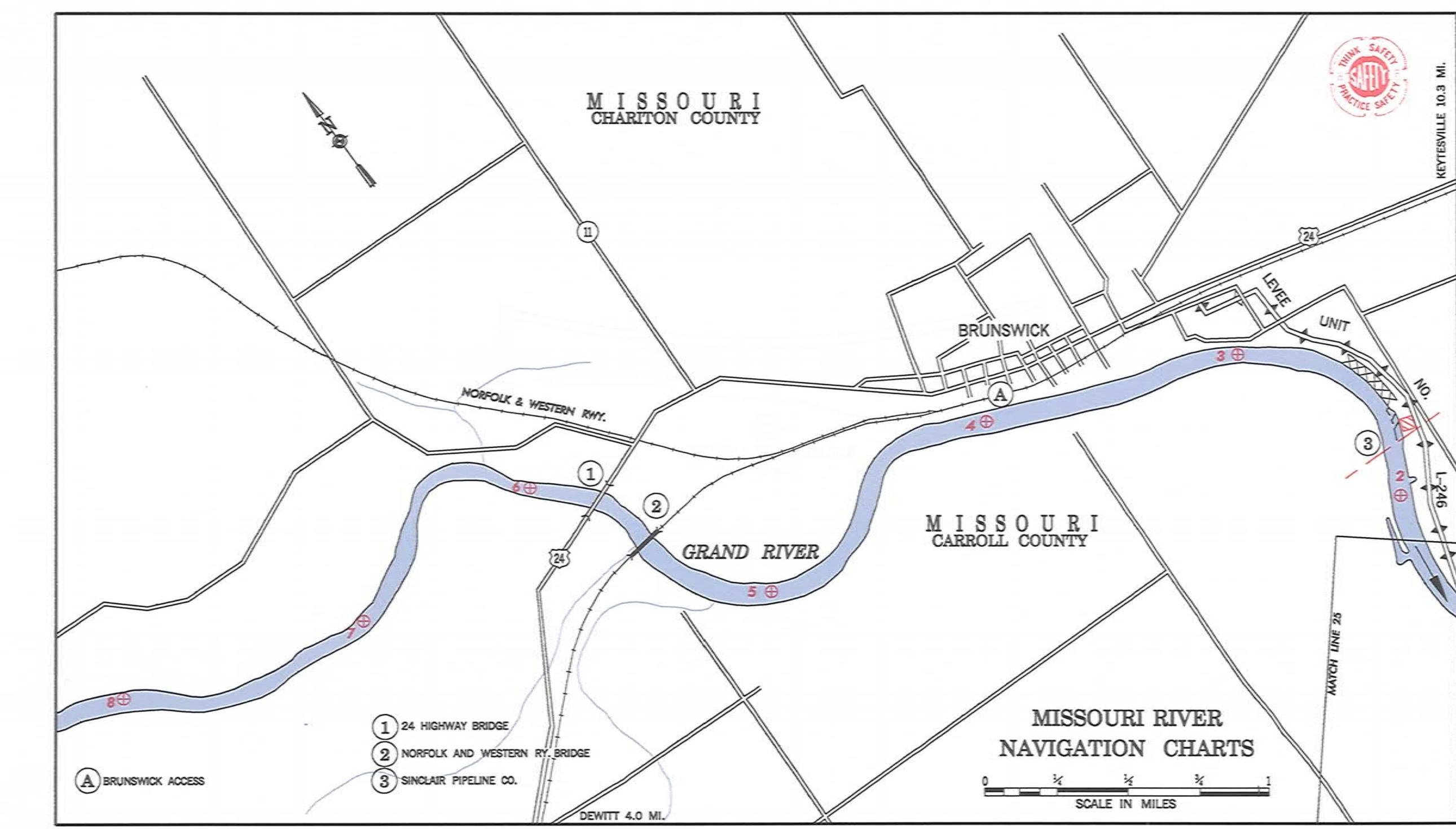
Mile 5.5

CHANNEL SPAN DATA

TYPE	-----	FIXED
HORIZ. CLEARANCE	-----	85.0'
VERT. CLEARANCE (NO INFORMATION AVAILABLE)	-----	

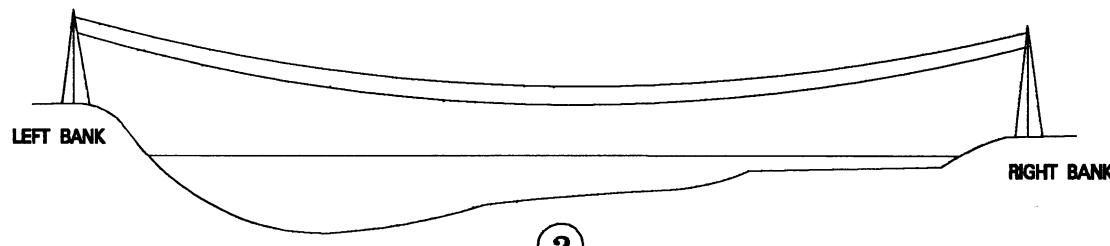


KEYESVILLE 10.3 MI.

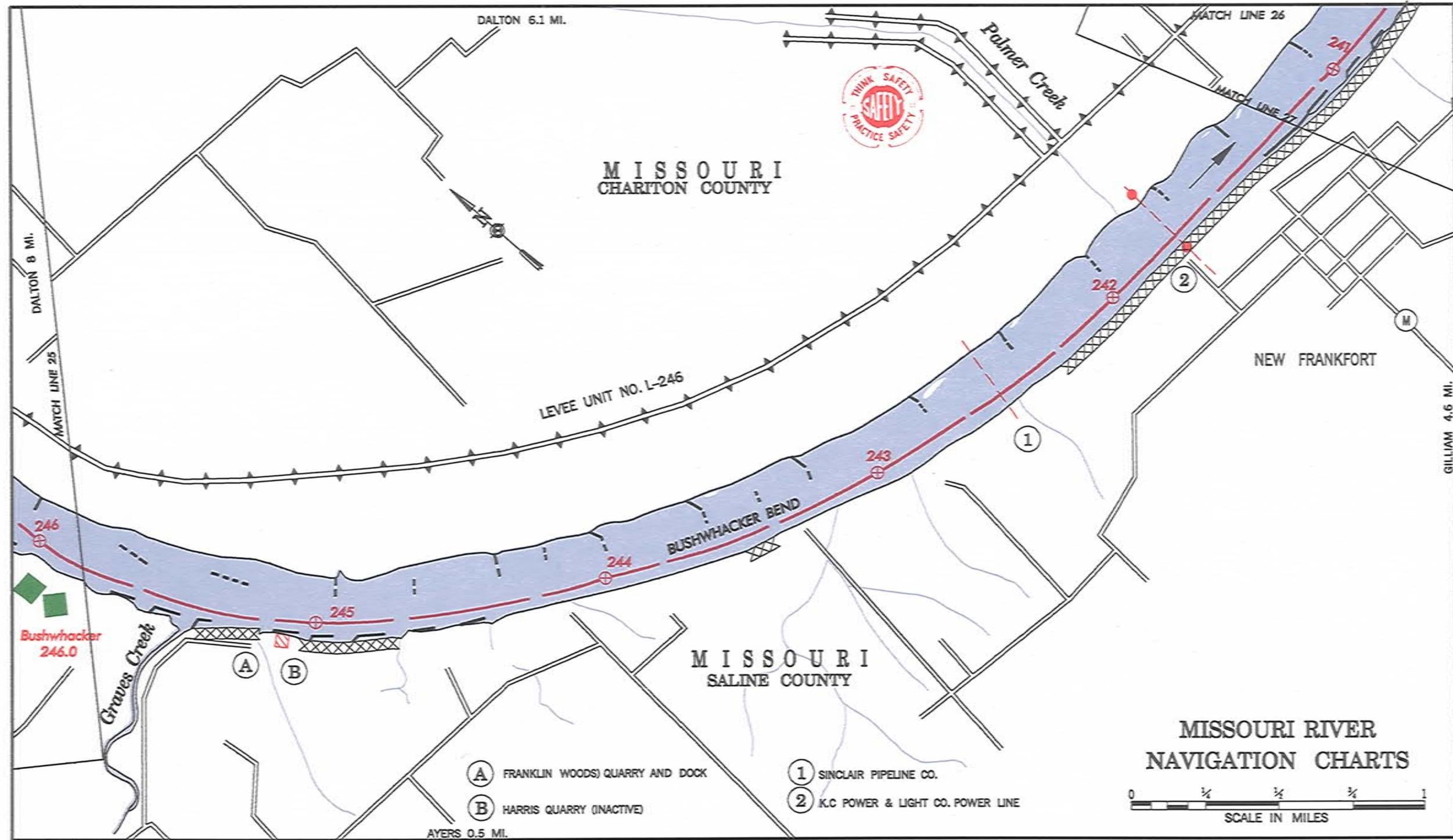
MISSOURI
CHARITON COUNTYMISSOURI RIVER
NAVIGATION CHARTS

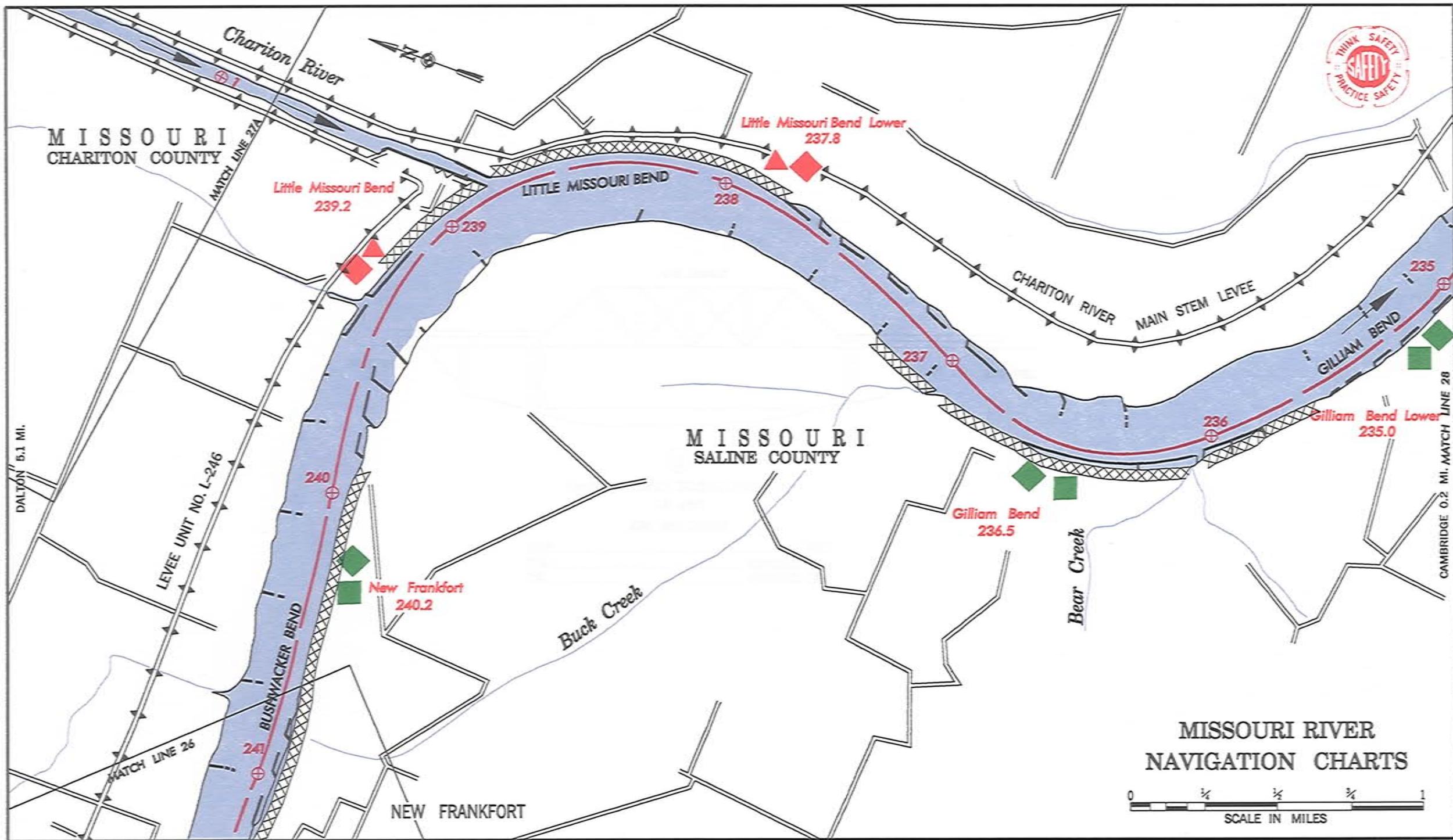
0 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 1
SCALE IN MILES

CHART NO. 25A



②
K. C. POWER & LIGHT CO.
Mile 241.7

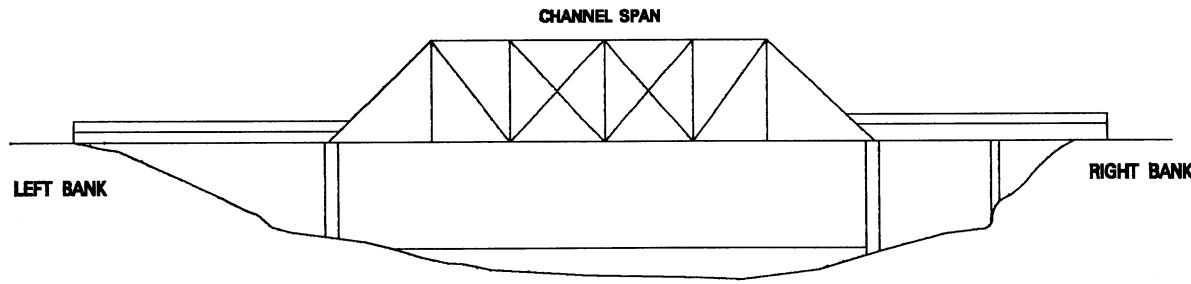




MISSOURI RIVER
NAVIGATION CHARTS

0 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 1
SCALE IN MILES

CHART NO. 27



1

VV HWY. BRIDGE (Chariton River)

Mile 6.1

CHANNEL SPAN DATA

TYPE	-----	FIXED
HORIZ. CLEARANCE	-----	98.0'
VERT. CLEARANCE	-----	20.0'

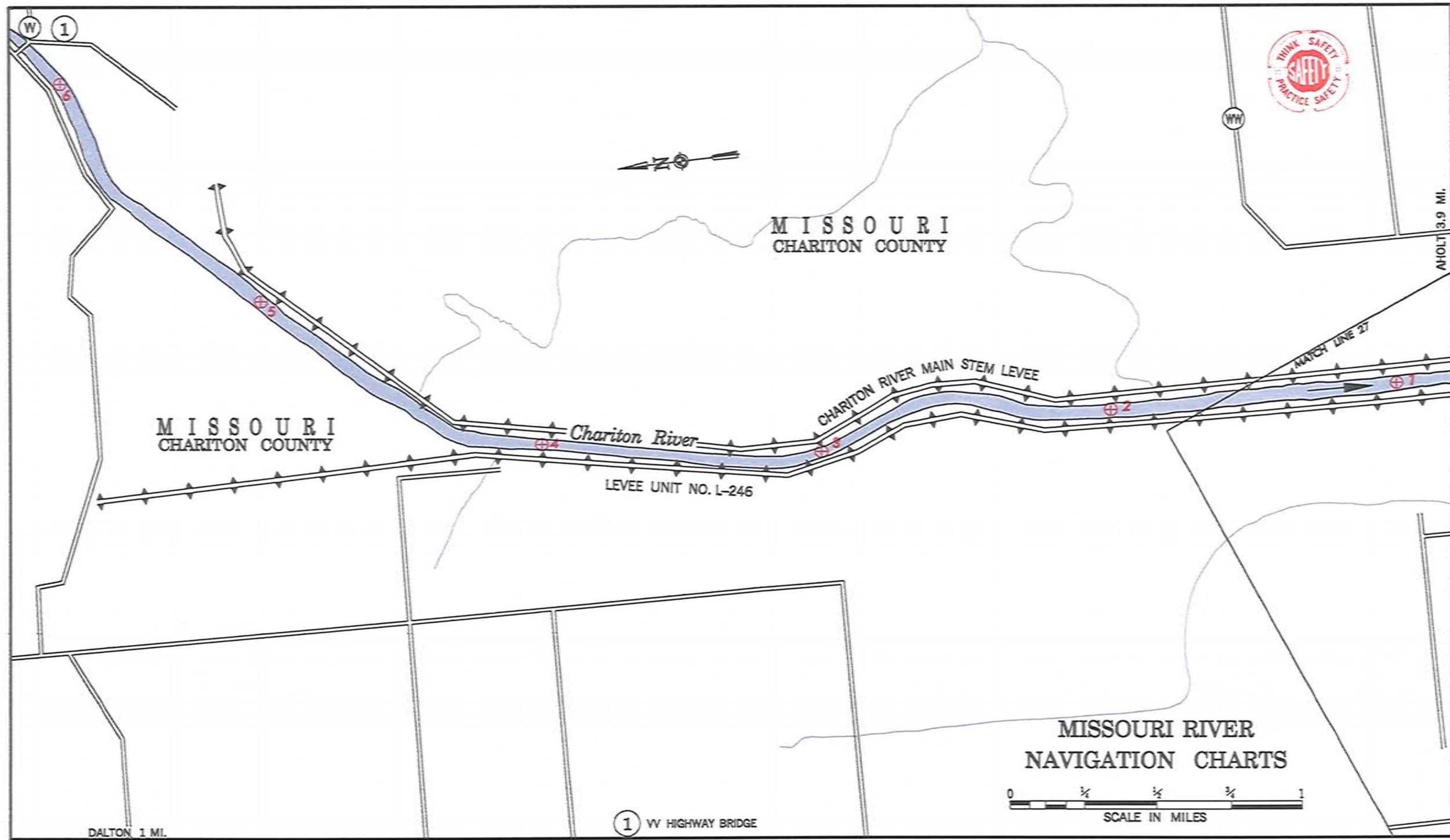


CHART NO. 27A

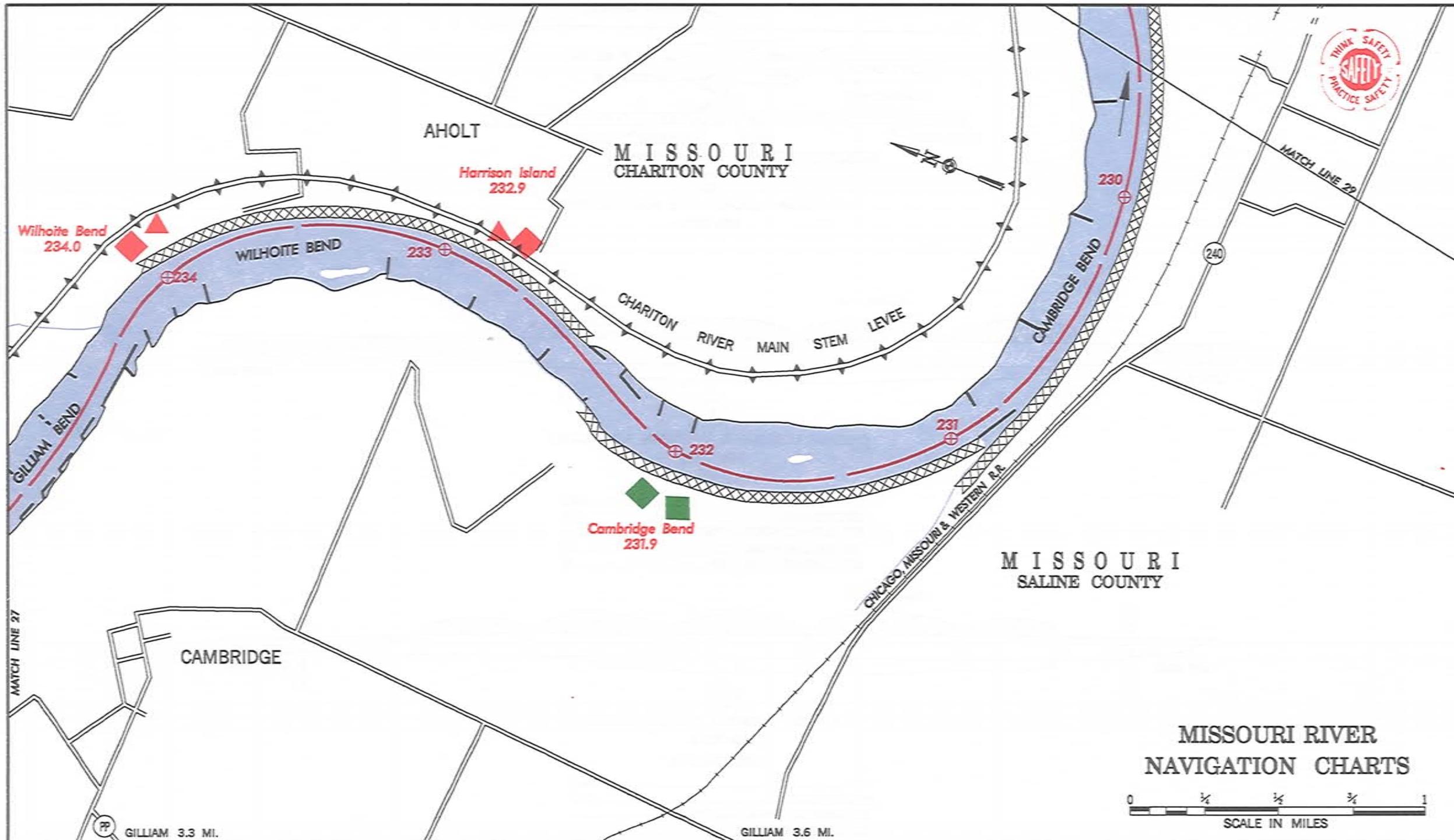
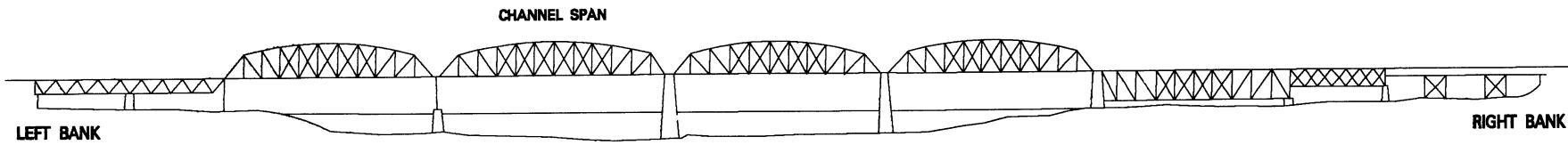
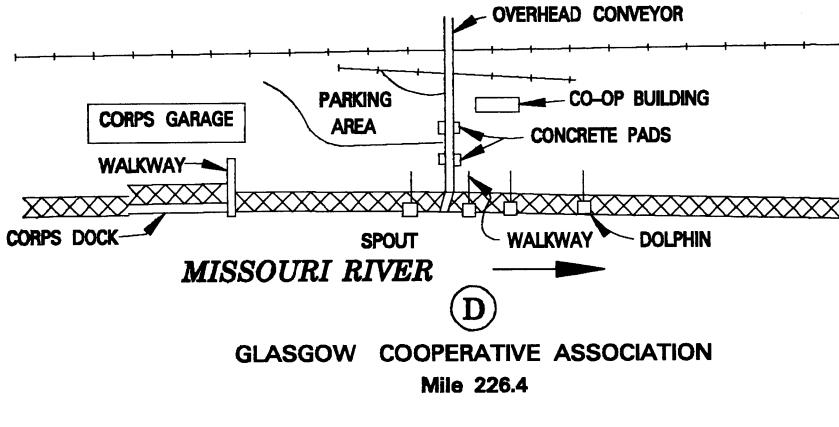


CHART NO. 28

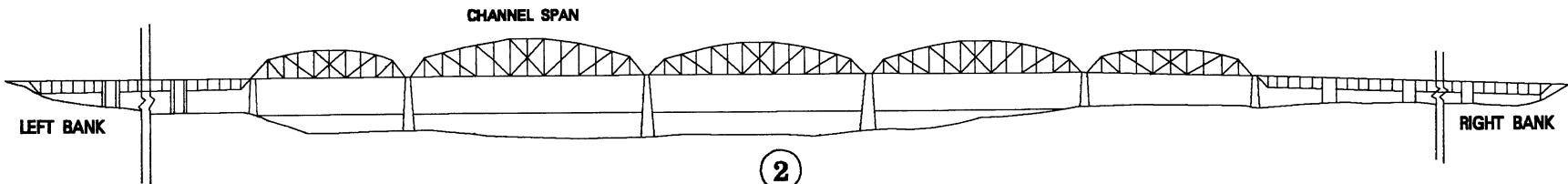


①

CHICAGO, MISSOURI & WESTERN R.R. BRIDGE
Mile 226.3

CHANNEL SPAN DATA

TYPE	FIXED
HORIZ. CLEARANCE	170.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	
GLASGOW GAGE READING 12.5]	84'
VERT. CLEARANCE (FLOOD STAGE)	49'



②

GLASGOW HIGHWAY MO. 240 BRIDGE
Mile 226.3

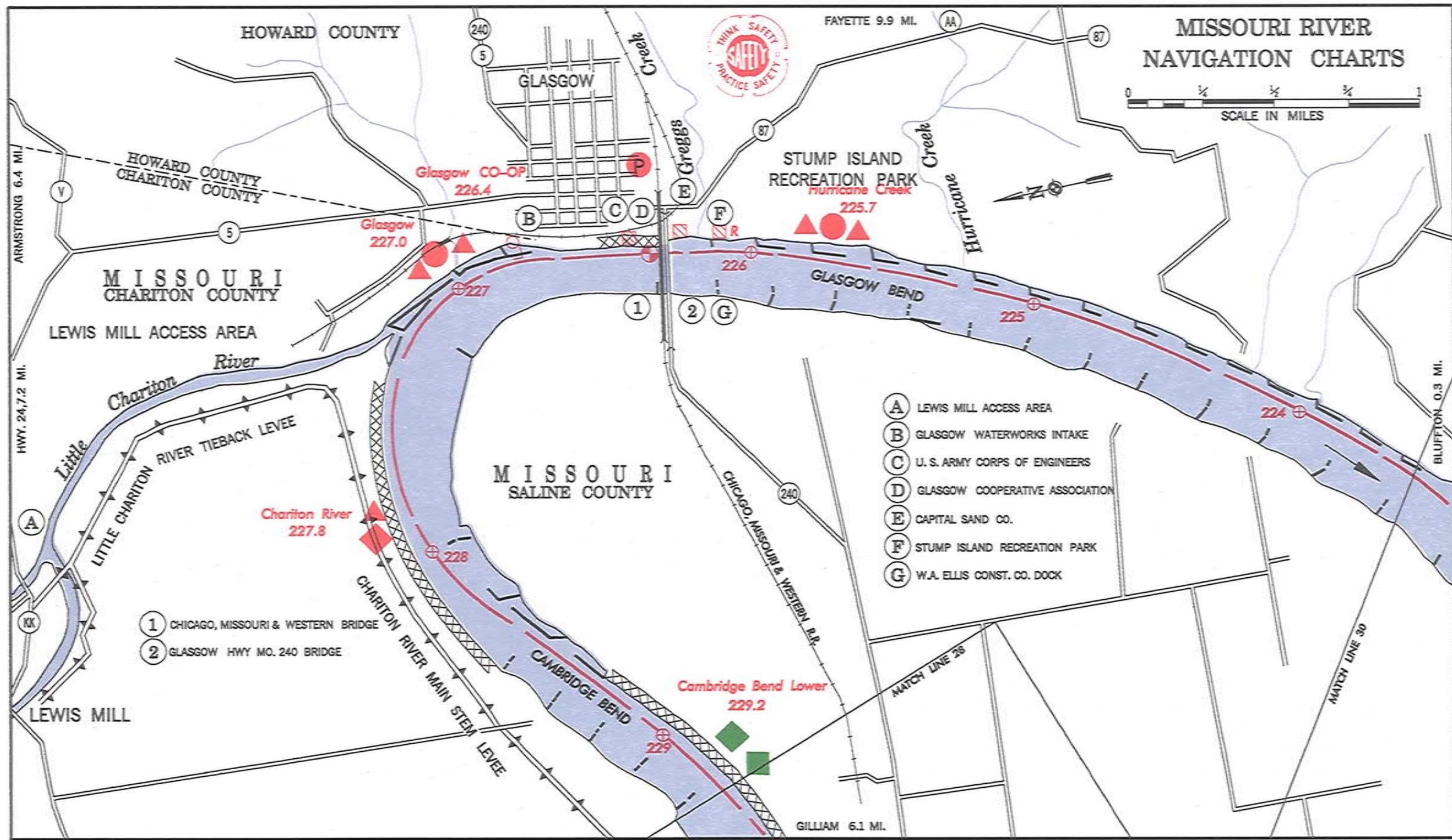
CHANNEL SPAN DATA

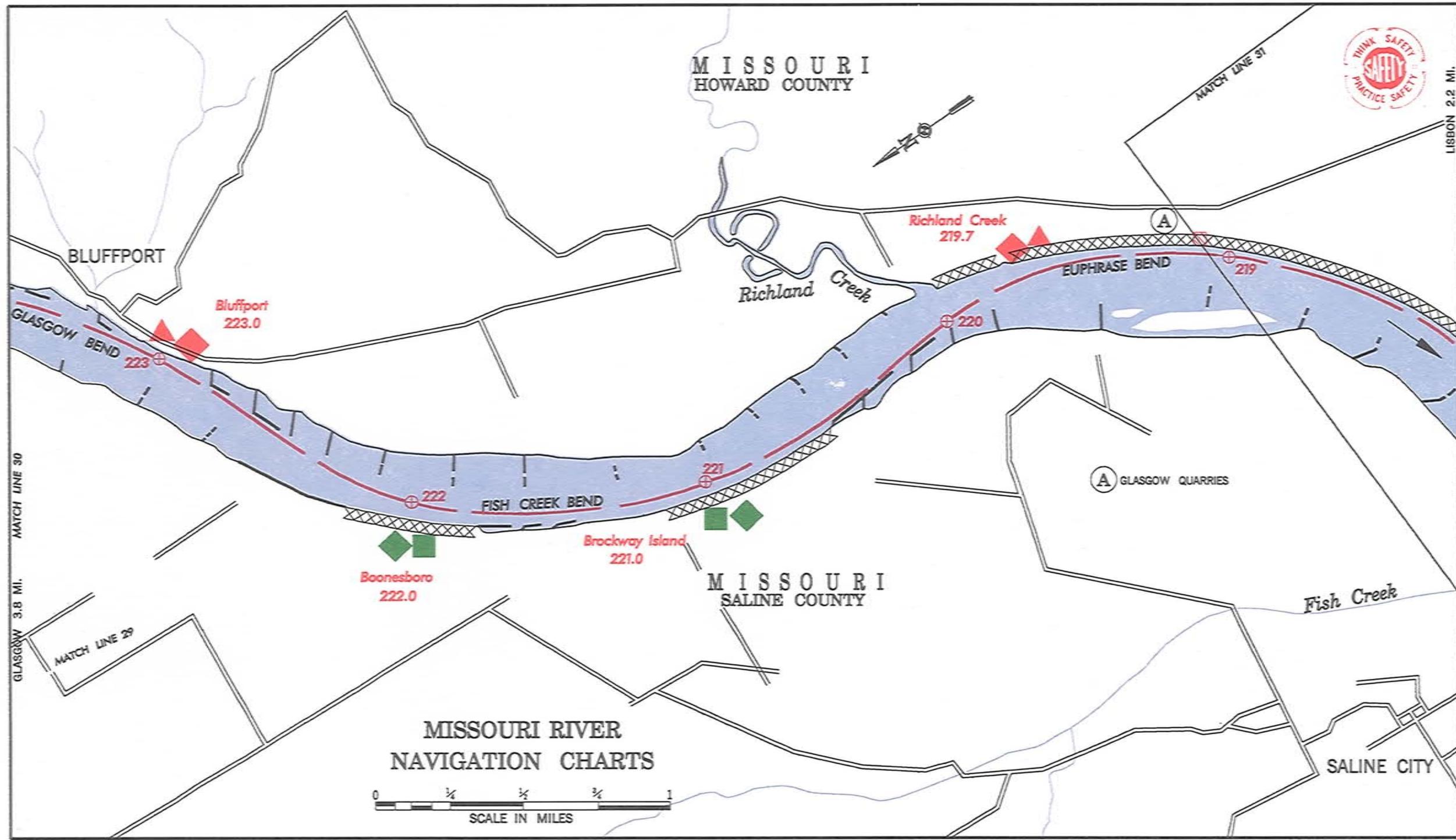
TYPE	FIXED
HORIZ. CLEARANCE	170.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	
GLASGOW GAGE READING 12.5]	84'
VERT. CLEARANCE (FLOOD STAGE)	52'

MISSOURI RIVER NAVIGATION CHARTS



FAYETTE 9.9 MI.
AA
87
0 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 1
SCALE IN MILES





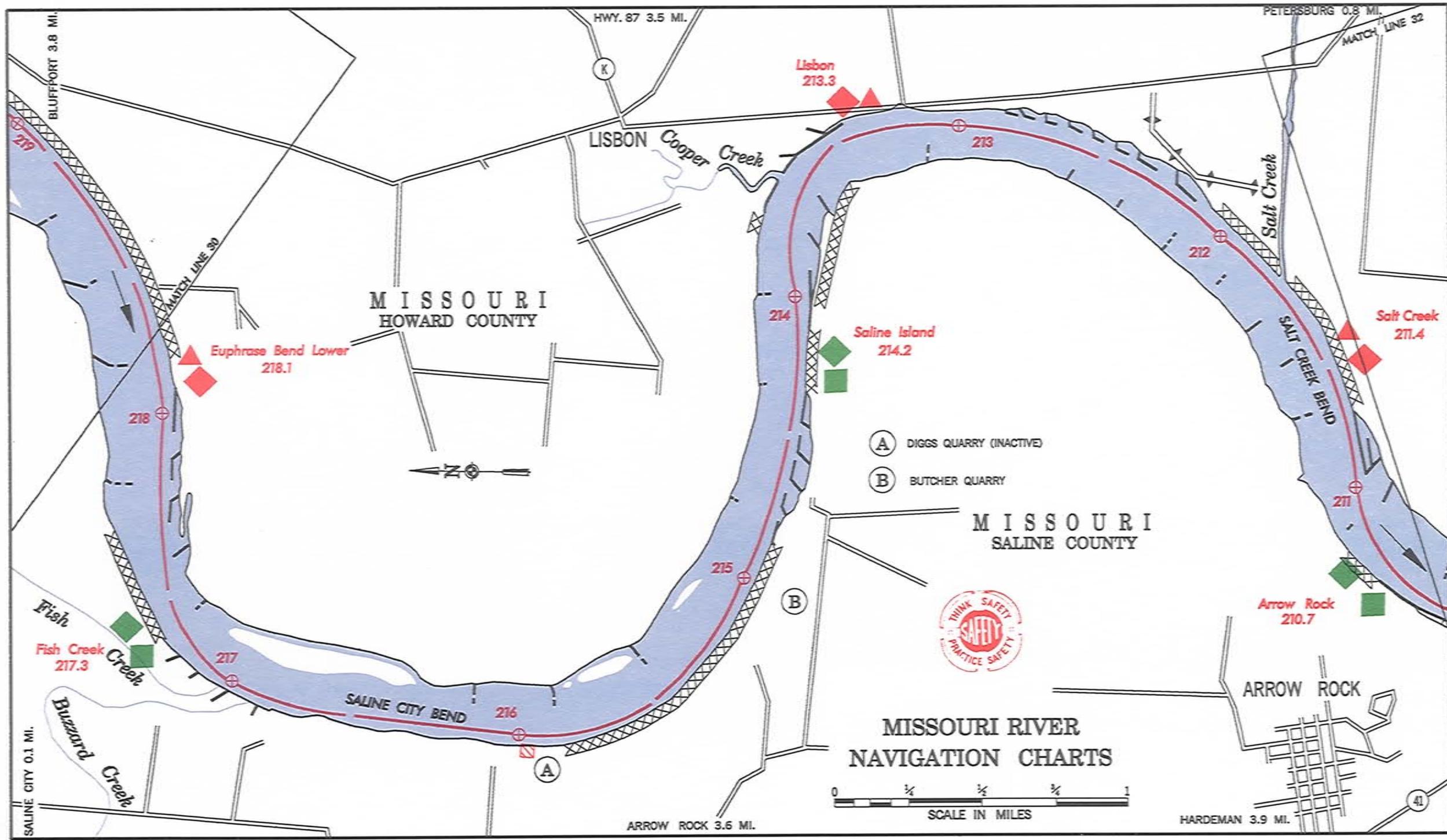


CHART NO. 31

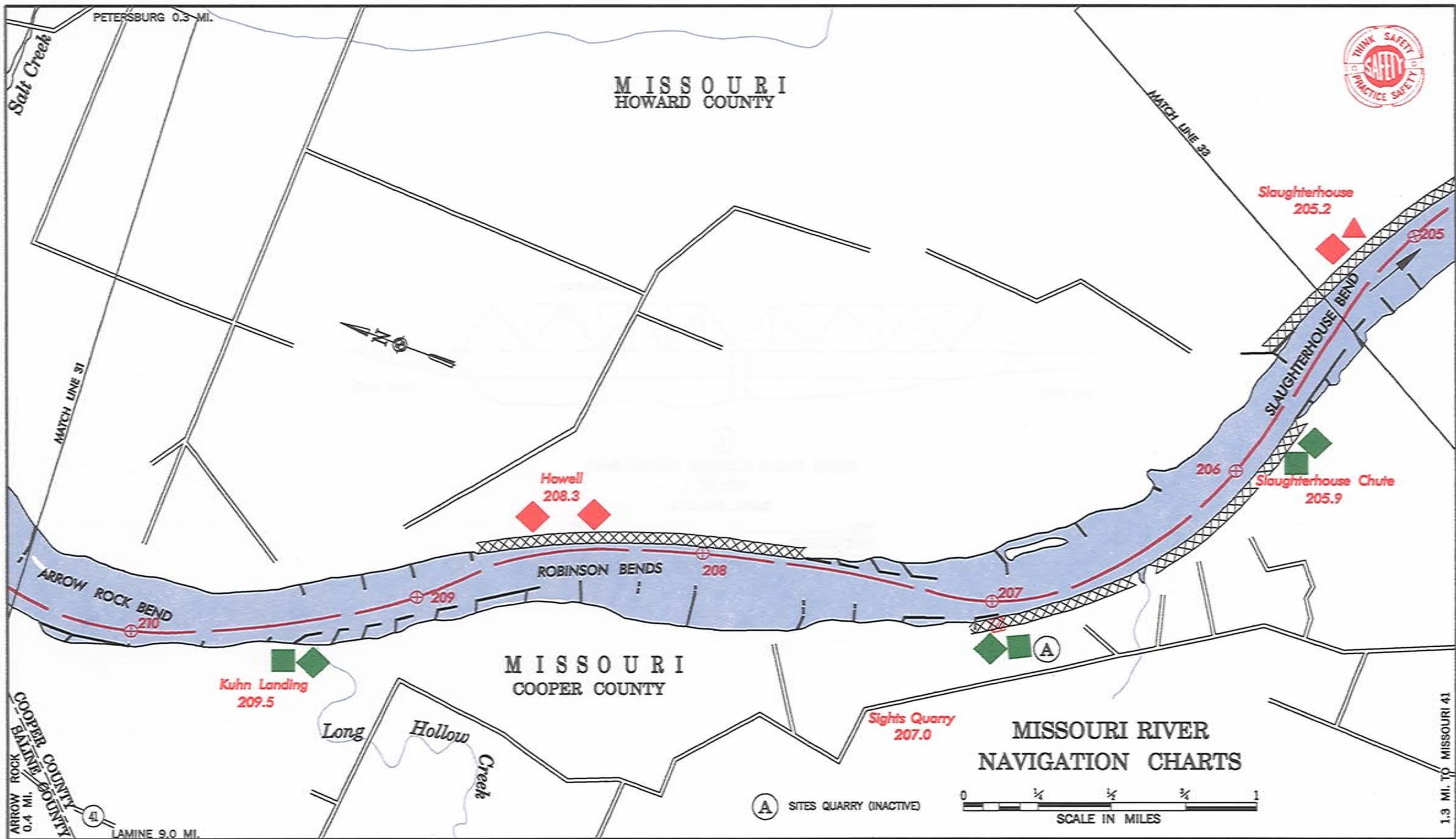
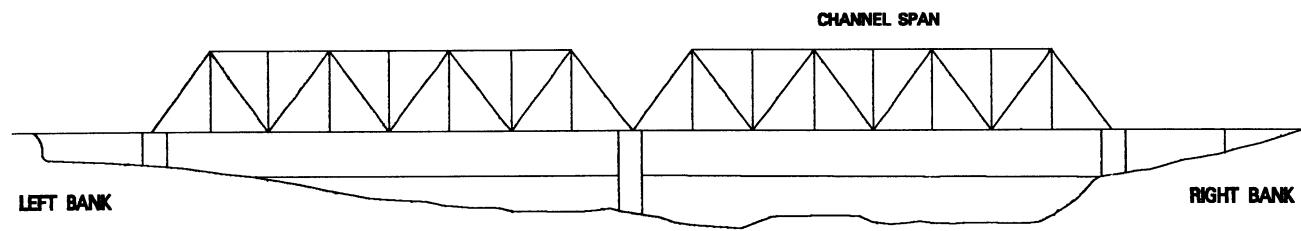


CHART NO. 32



①

UNION PAC. R. R. BRIDGE (Lamine River)

Mile 0.6

CHANNEL SPAN DATA

TYPE	FIXED
HORIZ. CLEARANCE	170.0'
VERT. CLEARANCE	34.5'

MISSOURI RIVER NAVIGATION CHARTS



2 MI. TO HIGHWAY Z

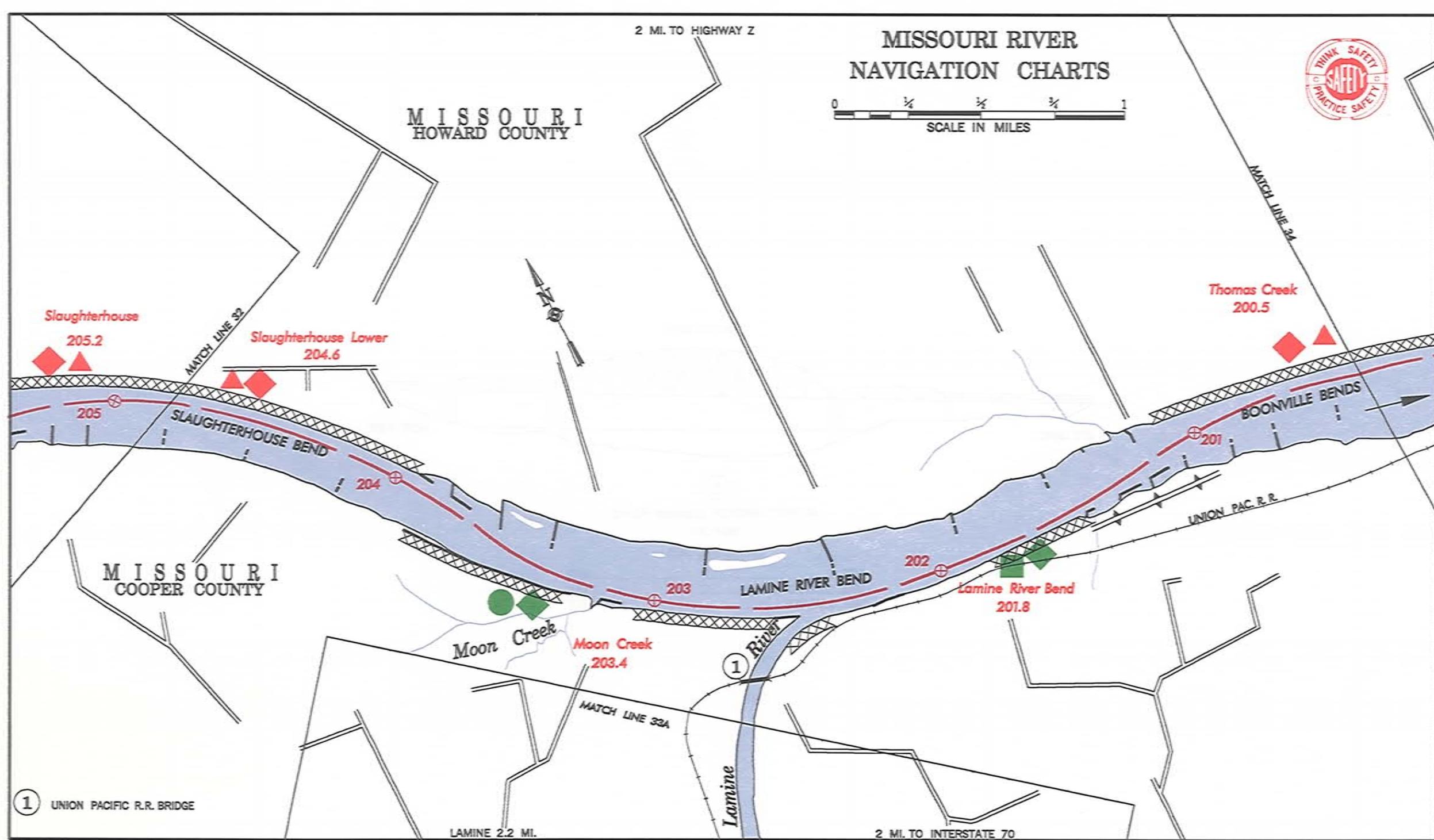
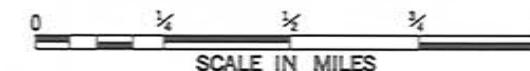
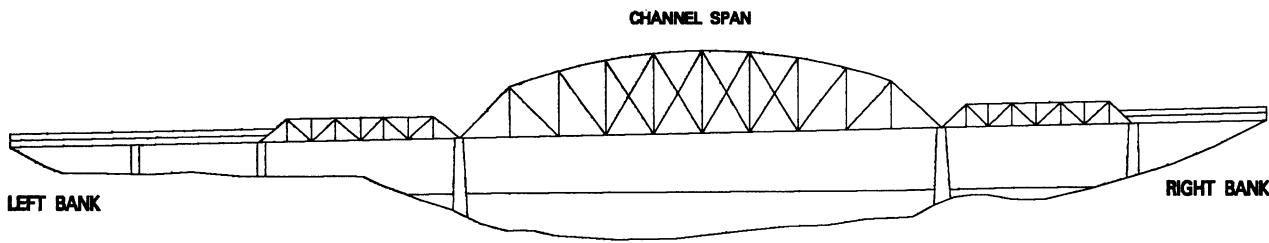


CHART NO. 33



①

41 HWY. BRIDGE (Lamine River)

Mile 3.1

CHANNEL SPAN DATA

TYPE	-----	FIXED
HORIZ. CLEARANCE	-----	196.0'
VERT. CLEARANCE	-----	33.5'



0 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 1
SCALE IN MILES

CHART NO. 33A

MISSOURI RIVER NAVIGATION CHARTS

ARROW ROCK 8.6 MI.

MISSOURI
COOPER COUNTY

MATCH LINE 33

MISSOURI
COOPER COUNTY

CHOUTEAU SPRINGS

41

3

1 41 HIGHWAY BRIDGE

UNION PAC. R.R.

MATCH LINE 33

OLD 40

LAMINE

D. E. BOURGMONT
ACCESS AREA

1

A

R

COLUMBIA 30 MI.

(A) D. E. BOURGMONT ACCESS AREA

6

Lamine

River 4

40

70

5

2

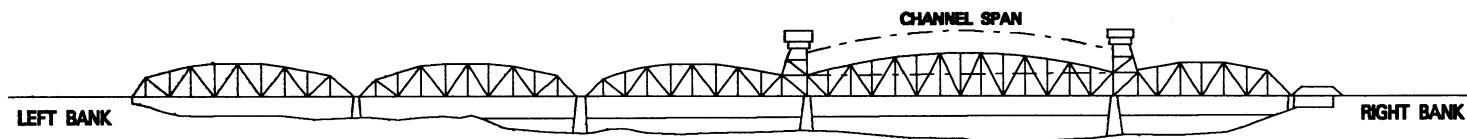
3

1

1

2

1



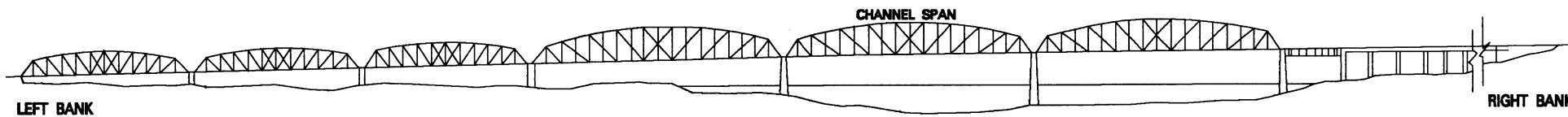
4

M. K. T. R. R. BRIDGE

Mile 197.1

CHANNEL SPAN DATA

TYPE	-----	VERTICAL LIFT
HORIZ. CLEARANCE	-----	400.0'
		NORMAL RAISED
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)		
BOONVILLE GAGE READING 9.3)	-----	38' 6"
VERT. CLEARANCE (FLOOD STAGE)	-----	23' 5"



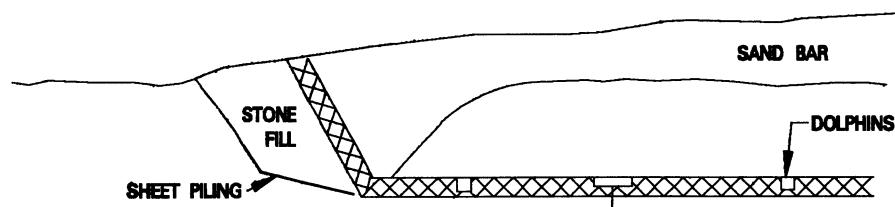
5

BOONVILLE HWY US 40 BRIDGE

Mile 196.6

CHANNEL SPAN DATA

TYPE	-----	FIXED
HORIZ. CLEARANCE	-----	401.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)		
BOONVILLE GAGE READING 9.3)	-----	64'
VERT. CLEARANCE (FLOOD STAGE)	-----	52'

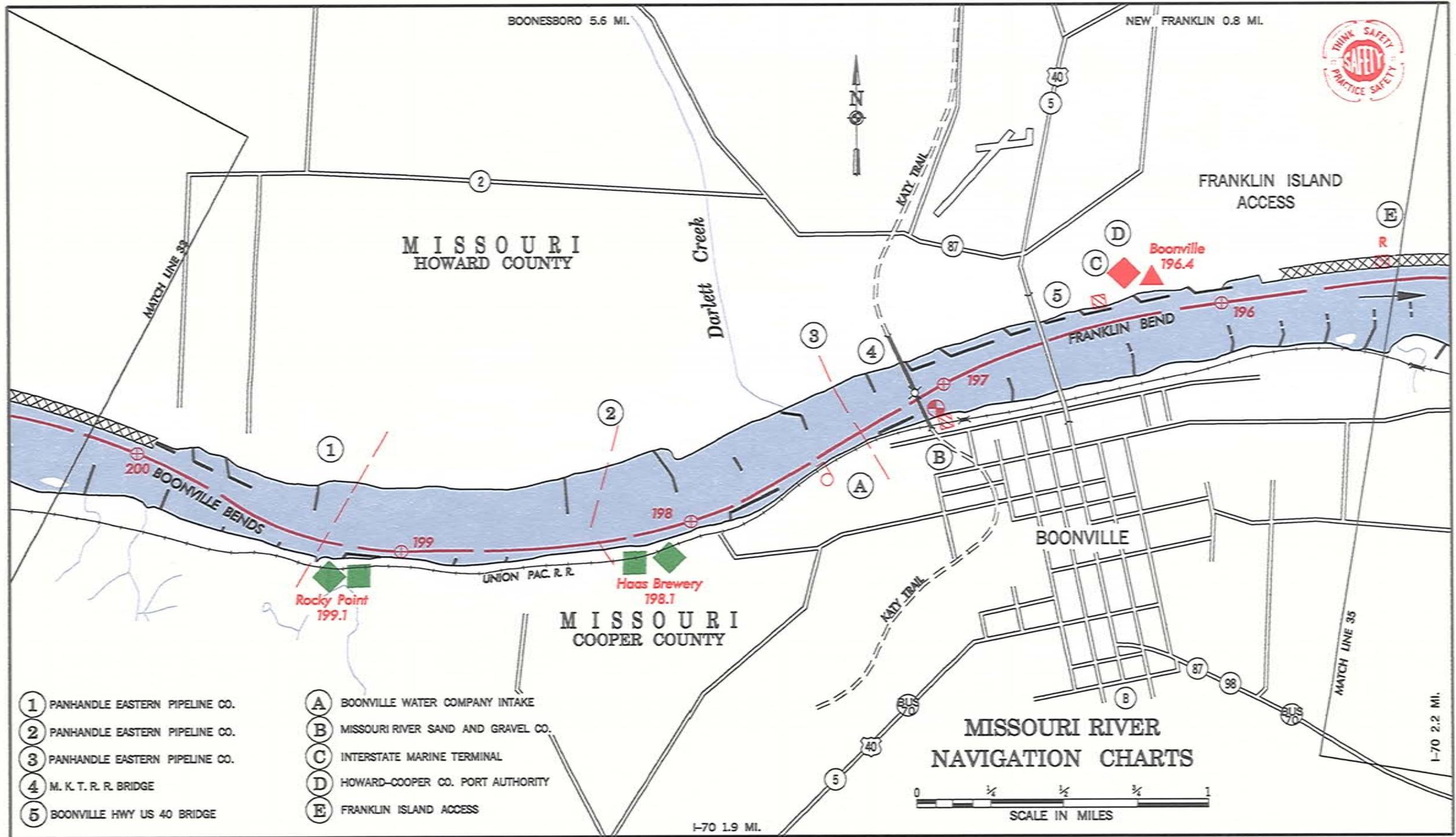


MISSOURI RIVER →

(C)

INTERSTATE MARINE TERMINAL

Mile 196.45



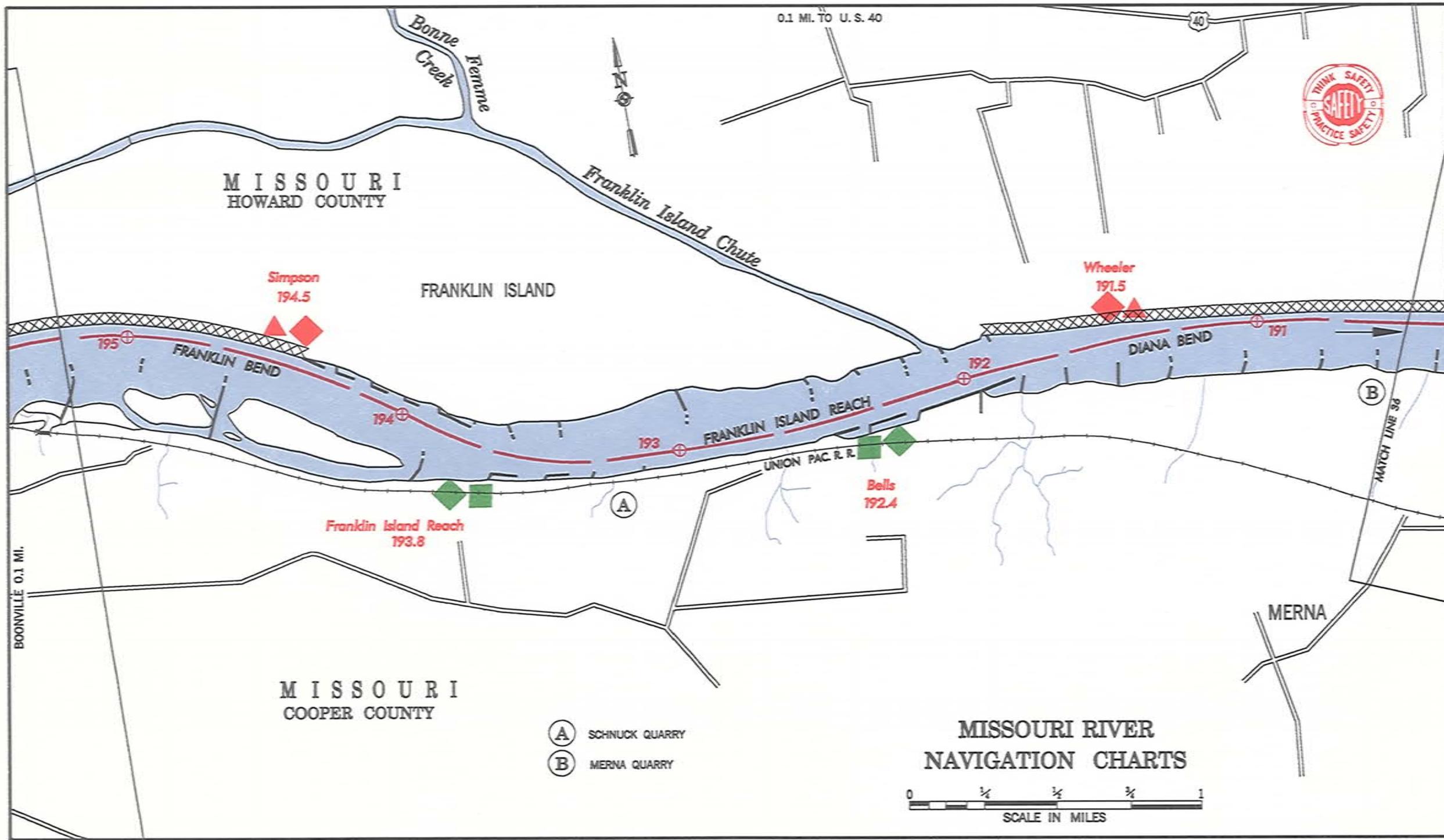
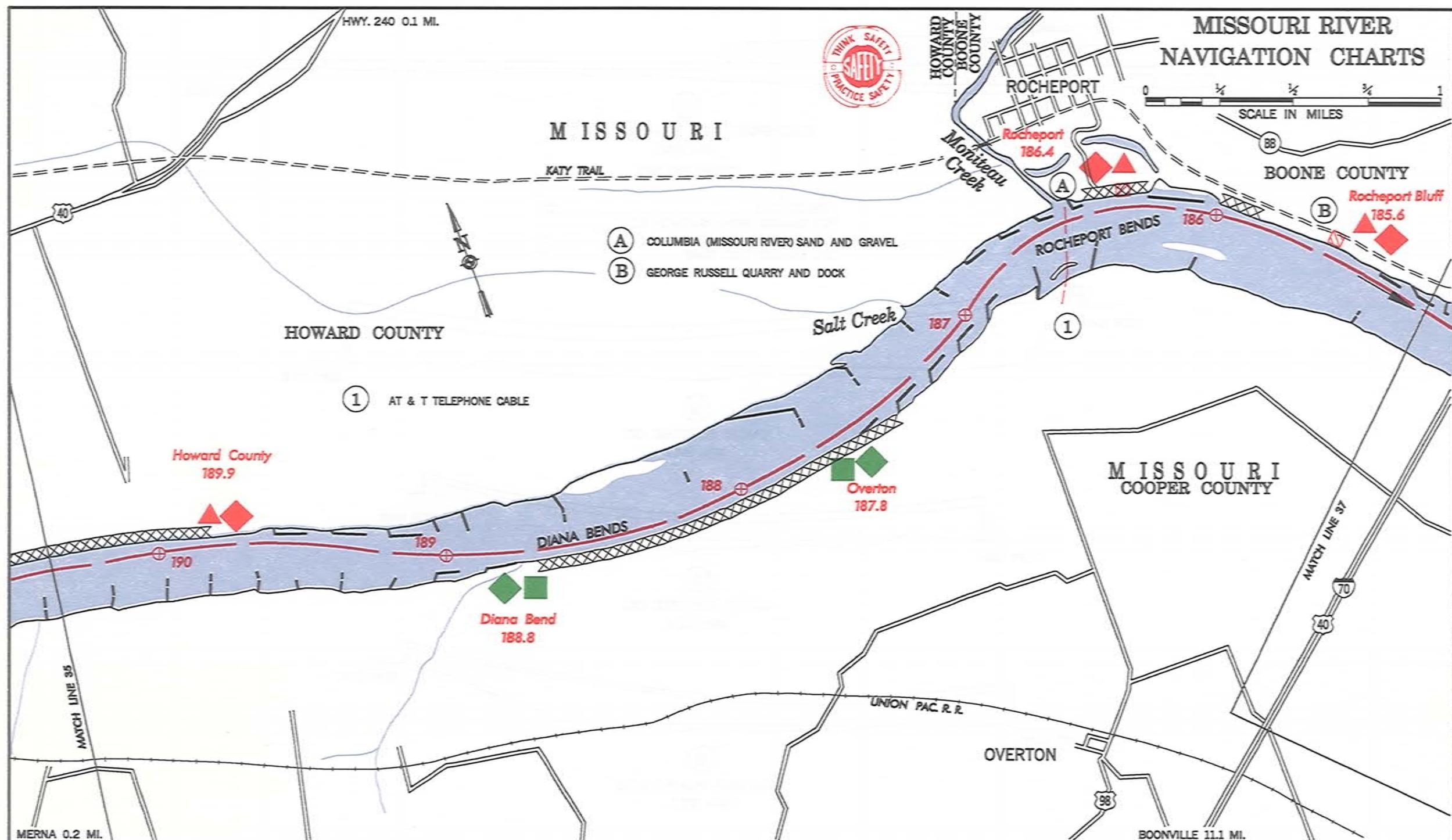


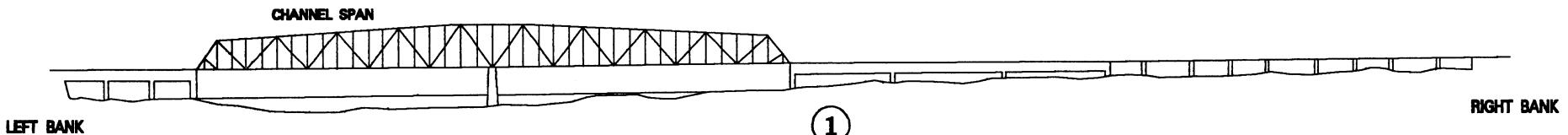
CHART NO. 35

MISSOURI RIVER NAVIGATION CHARTS



0 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 1
SCALE IN MILES



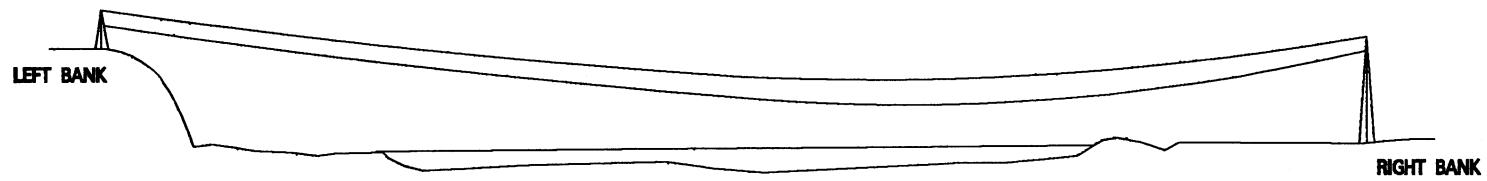


ROCHEPORT (I-70) HIGHWAY BRIDGE

Mile 186.0

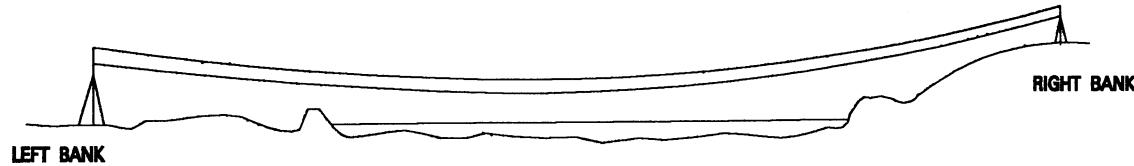
CHANNEL SPAN DATA

TYPE	A
HORIZ. CLEARANCE	533.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	
BOONVILLE GAGE READING 9.3)	63'
VERT. CLEARANCE (FLOOD STAGE)	50'



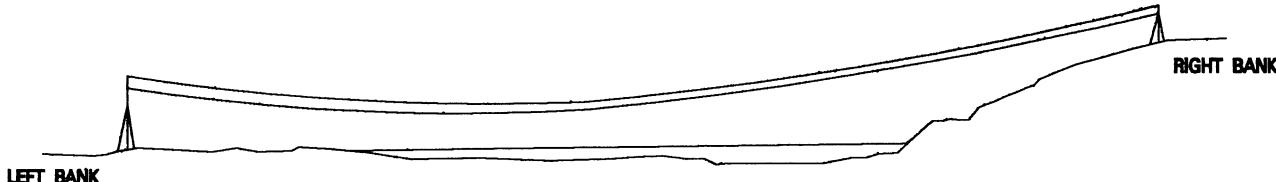
UNION ELECTRIC CO.

Mile 184.9



UNION ELECTRIC CO.

Mile 183.6



COLUMBIA POWER LINE

Mile 182.3

MISSOURI RIVER NAVIGATION CHARTS

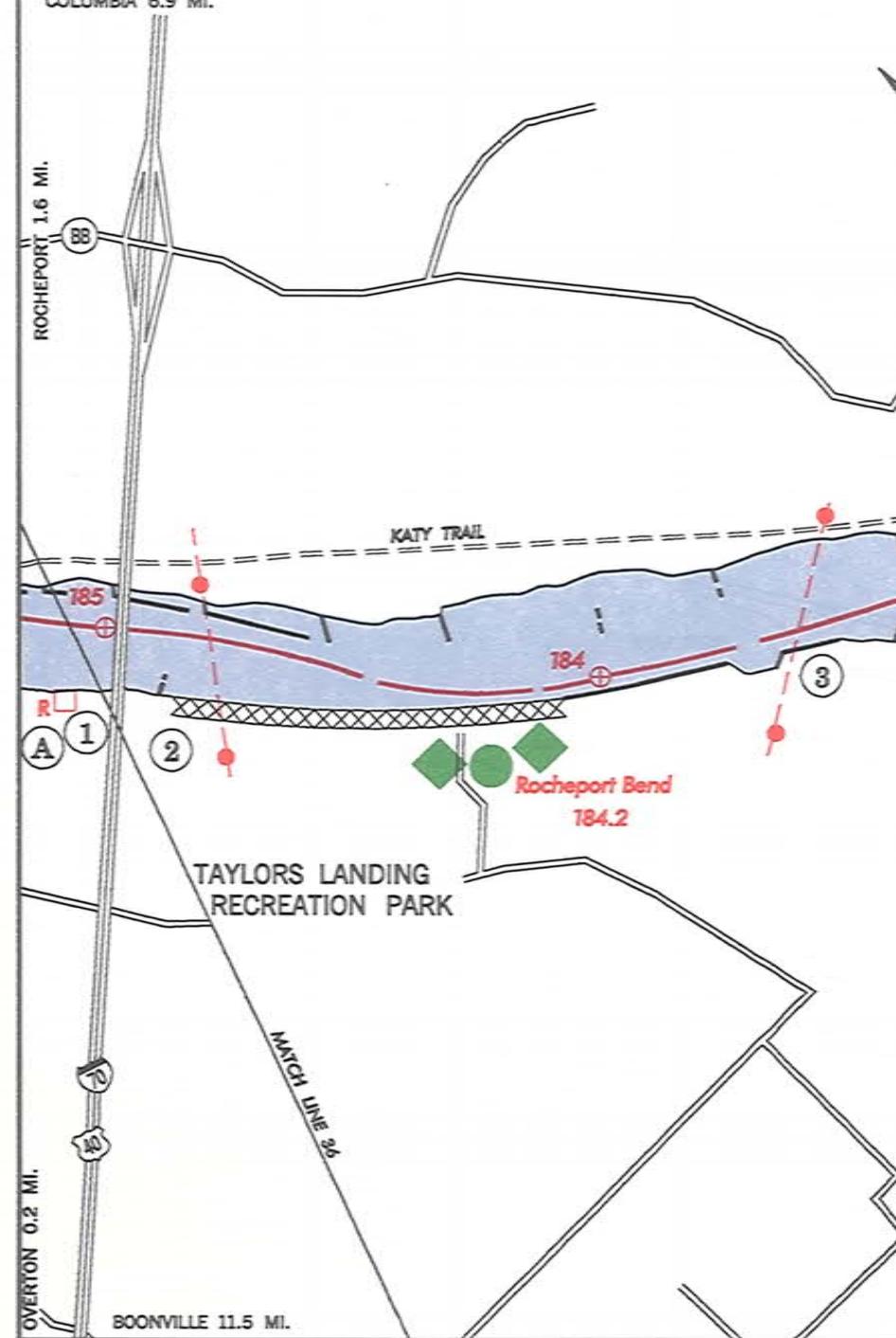


0 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 1
SCALE IN MILES

MISSOURI
BOONE COUNTY

COLUMBIA 6.9 MI.

ROCHEPORT 1.6 MI.

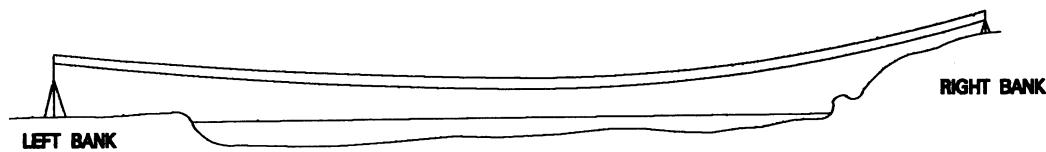


- 1 ROCHEPORT HWY I-70 BRIDGE
- 2 UNION ELECTRIC CO. POWER LINE
- 3 UNION ELECTRIC CO. POWER LINE
- 4 COLUMBIA POWER LINE
- 5 K.C. POWER & LIGHT CO. POWER LINE

- (A) TAYLORS LANDING RECREATION PARK
- (B) CAPITAL SAND CO.
- (C) HUNTS QUARRY AND DOCK

CHART NO. 37

MATCH LINE 37



① UNION ELECTRIC CO.
Mile 176.0

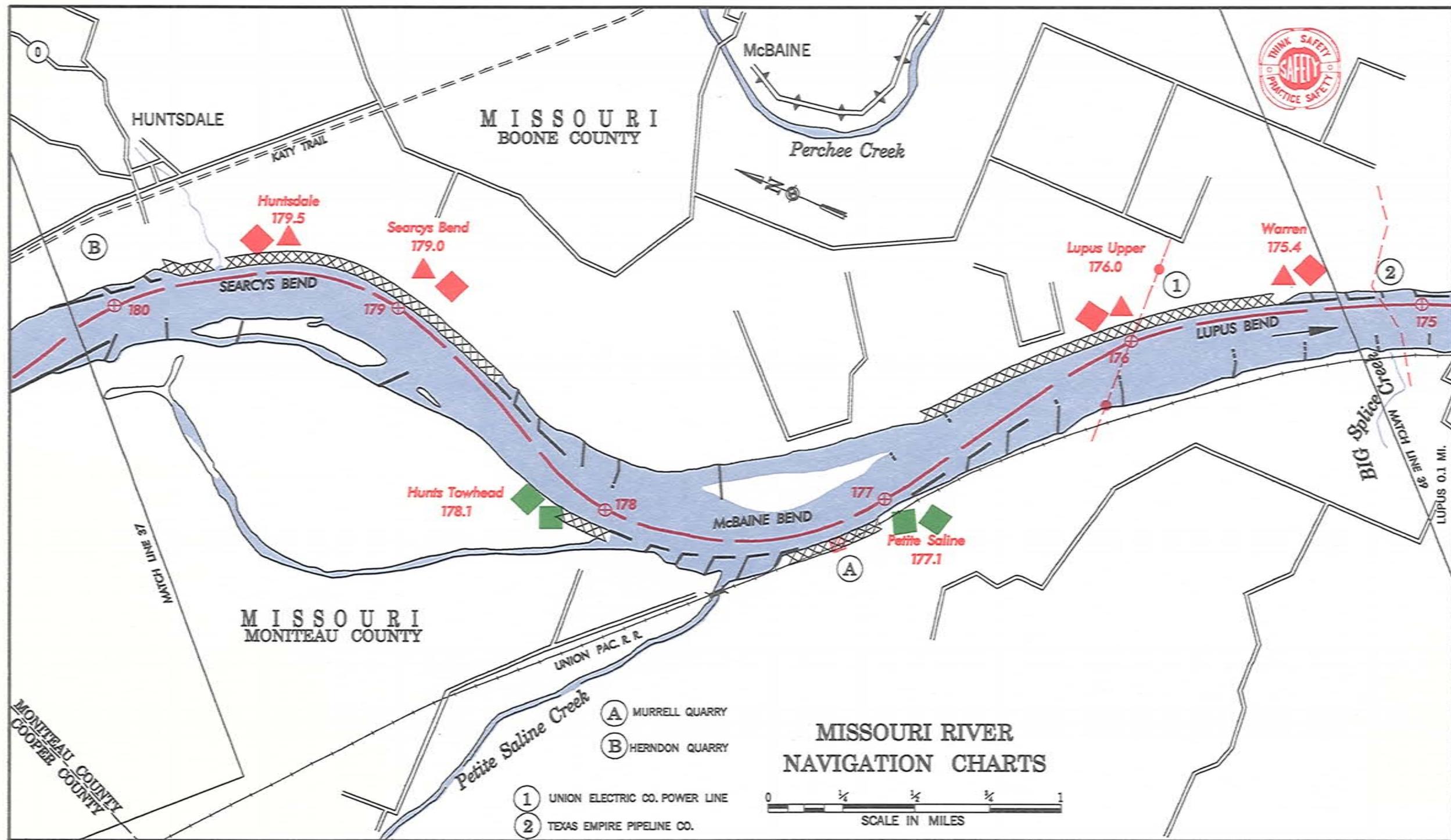


CHART NO. 38

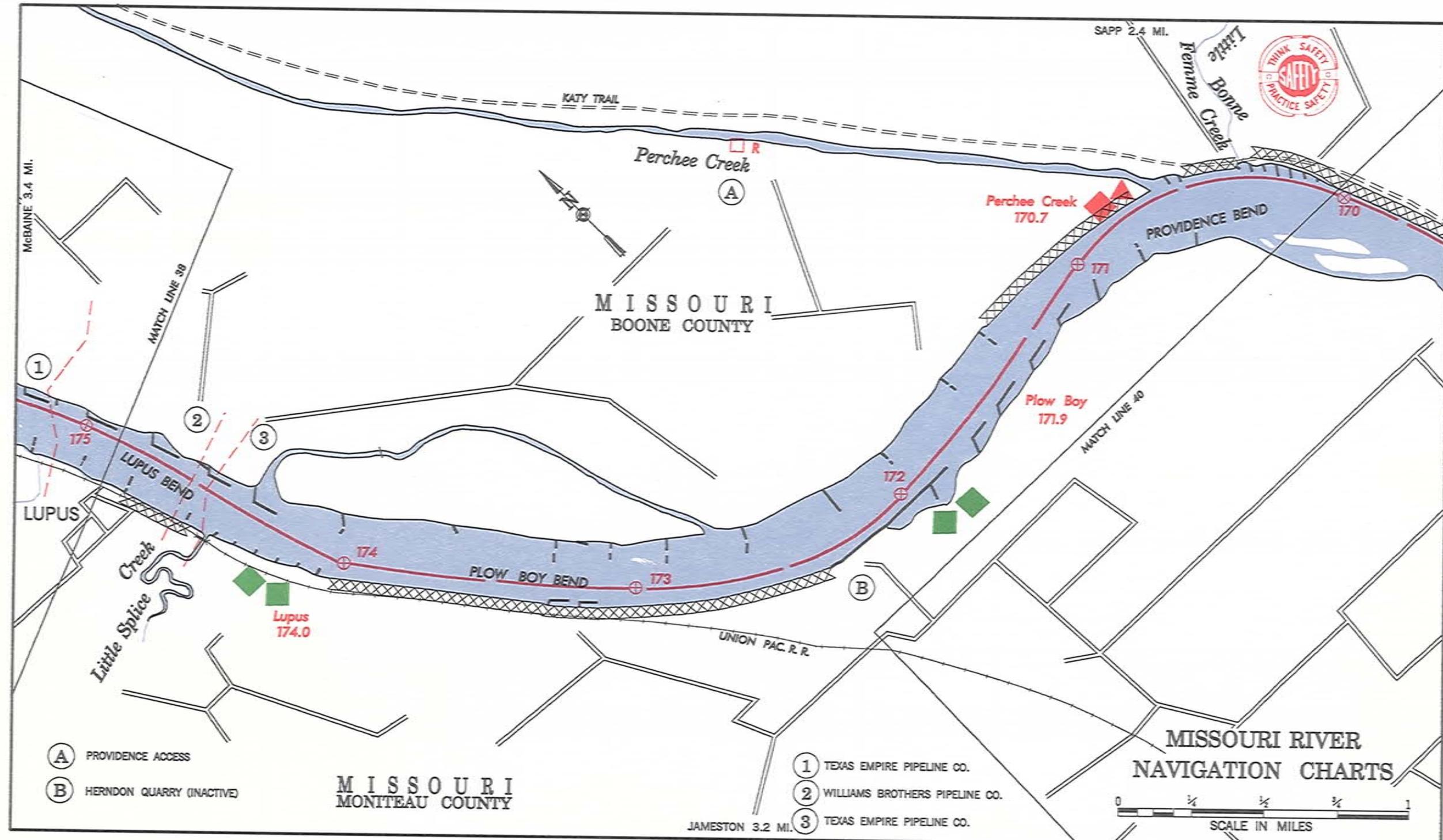


CHART NO. 39

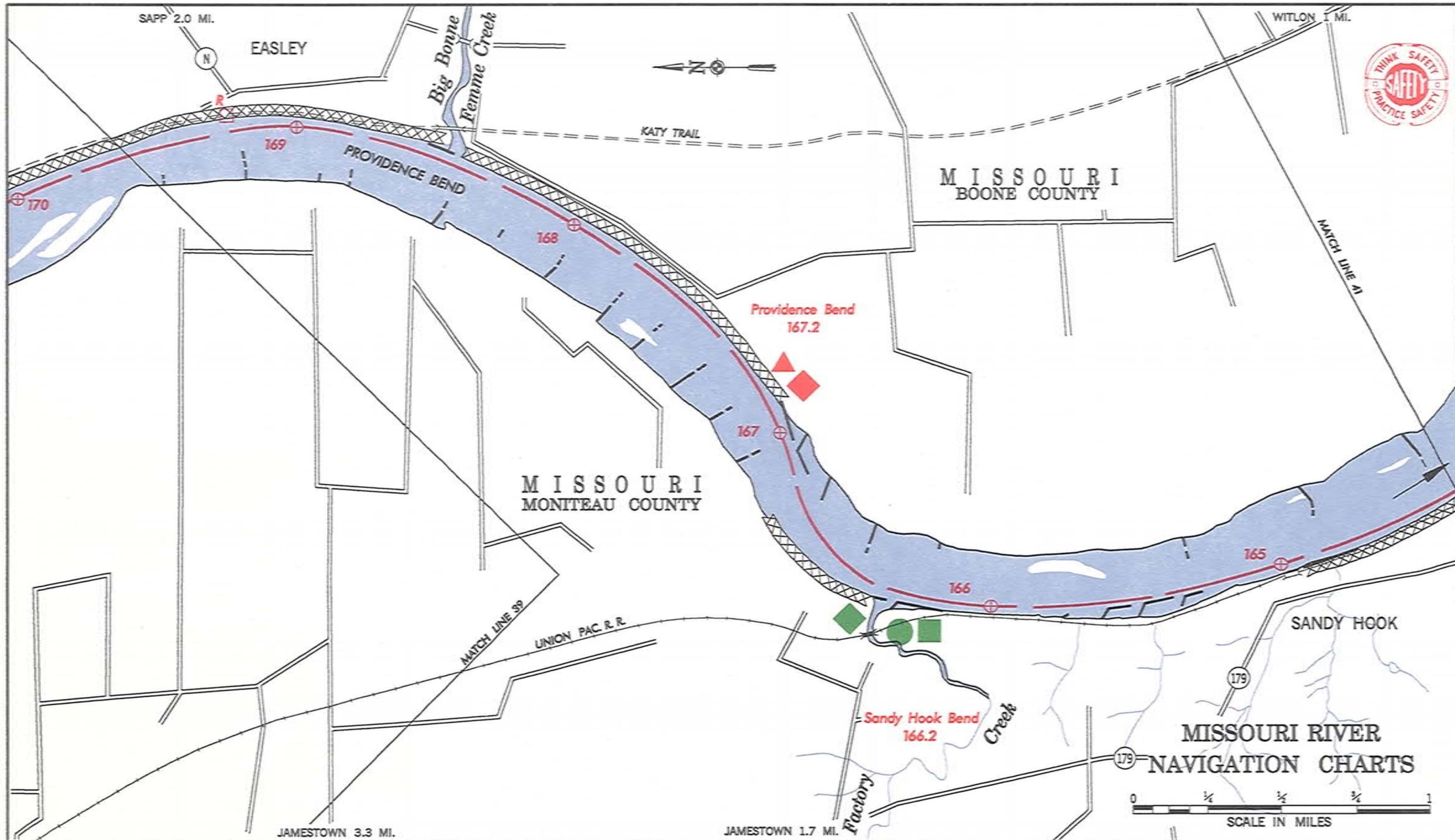


CHART NO. 40

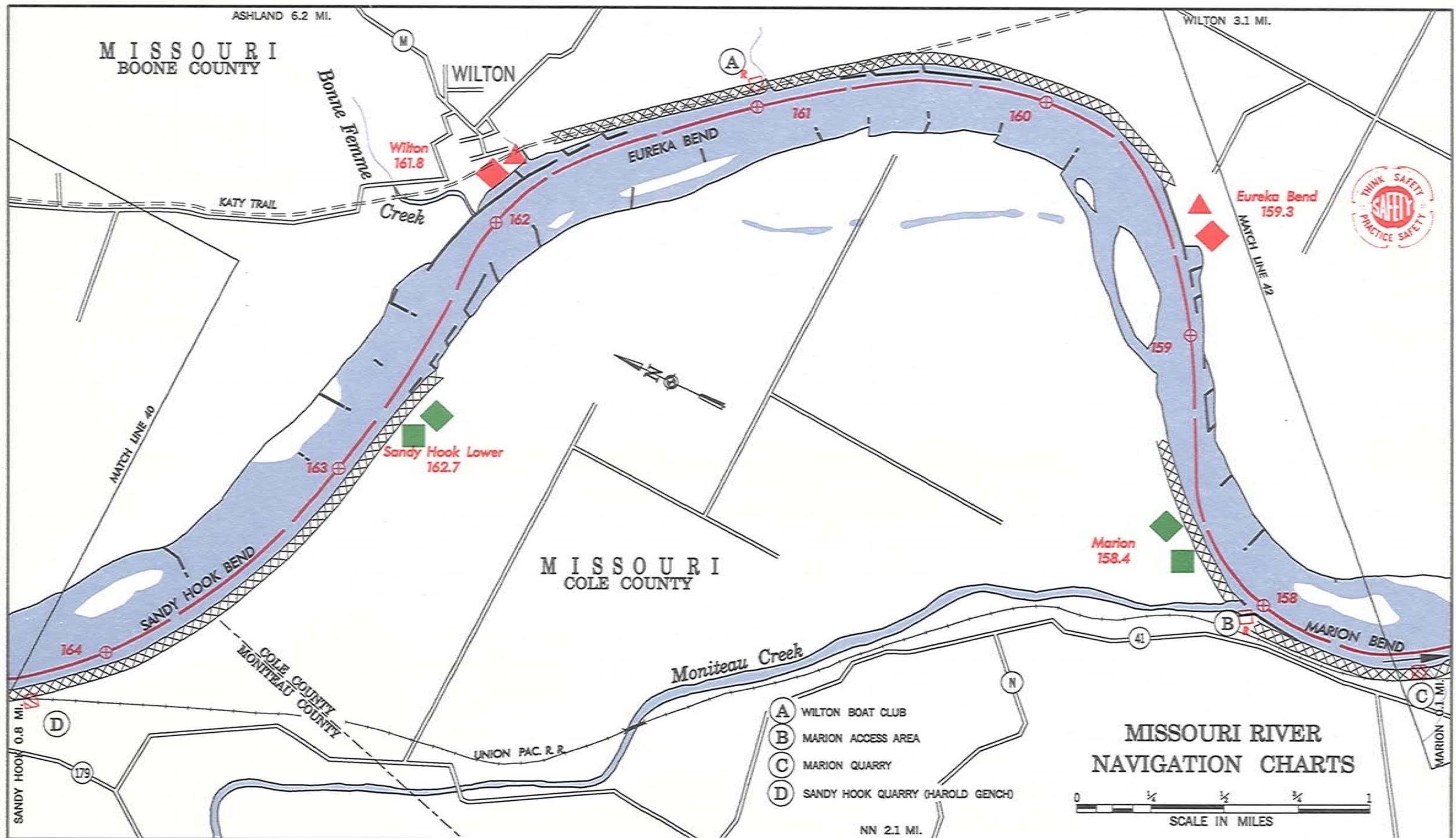


CHART NO. 41

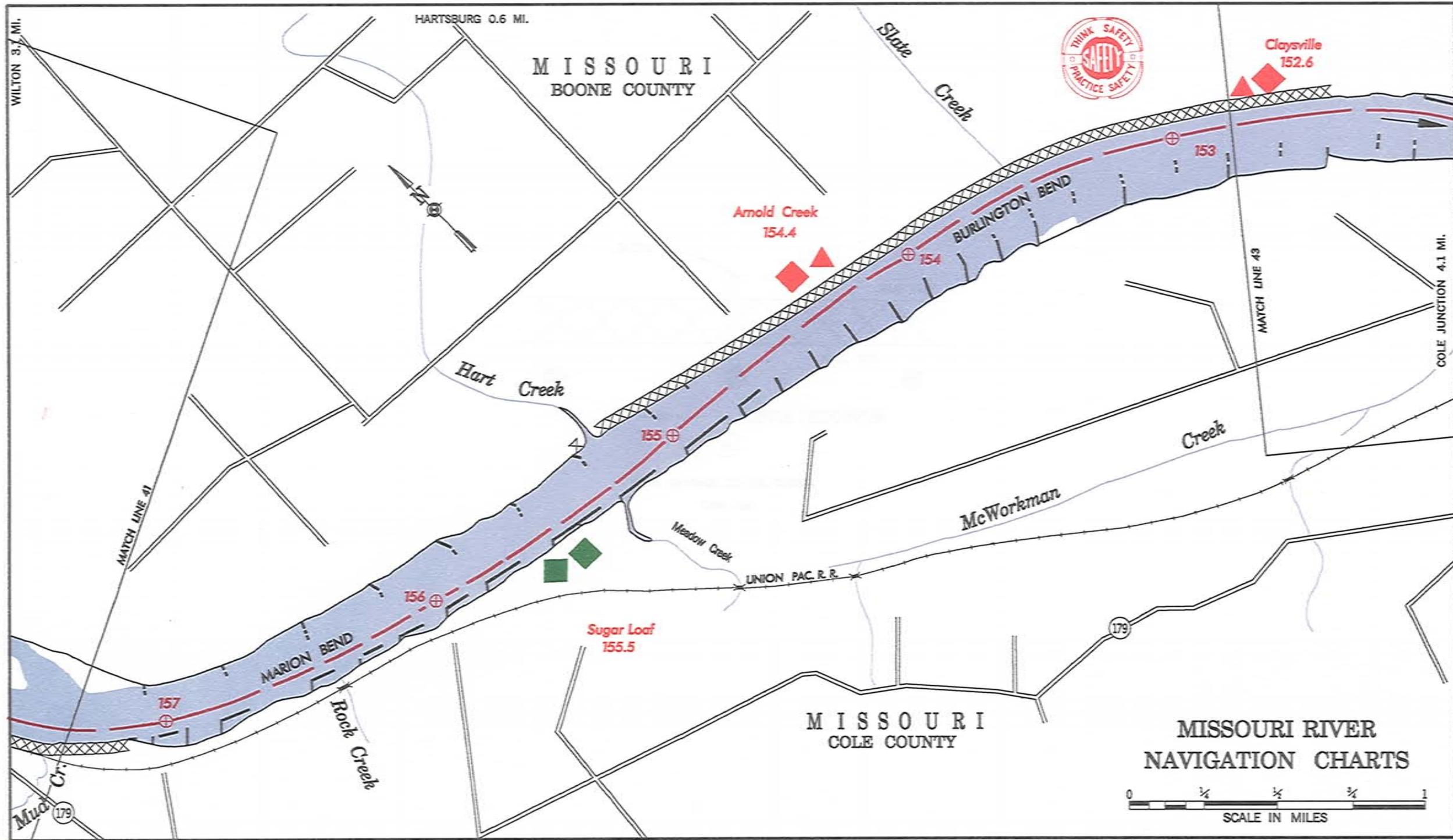
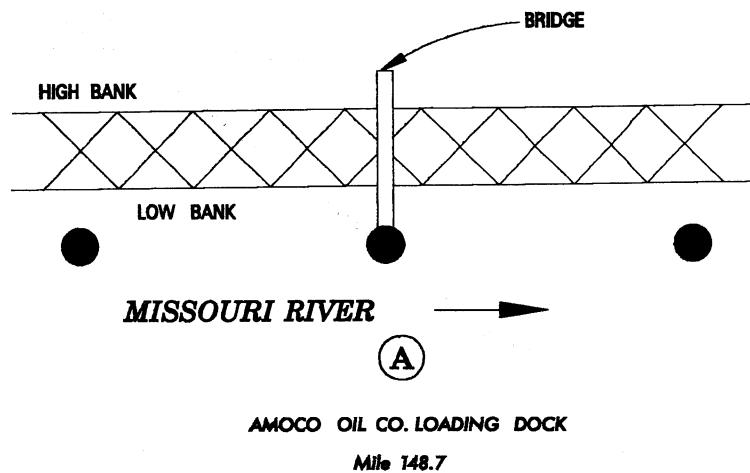
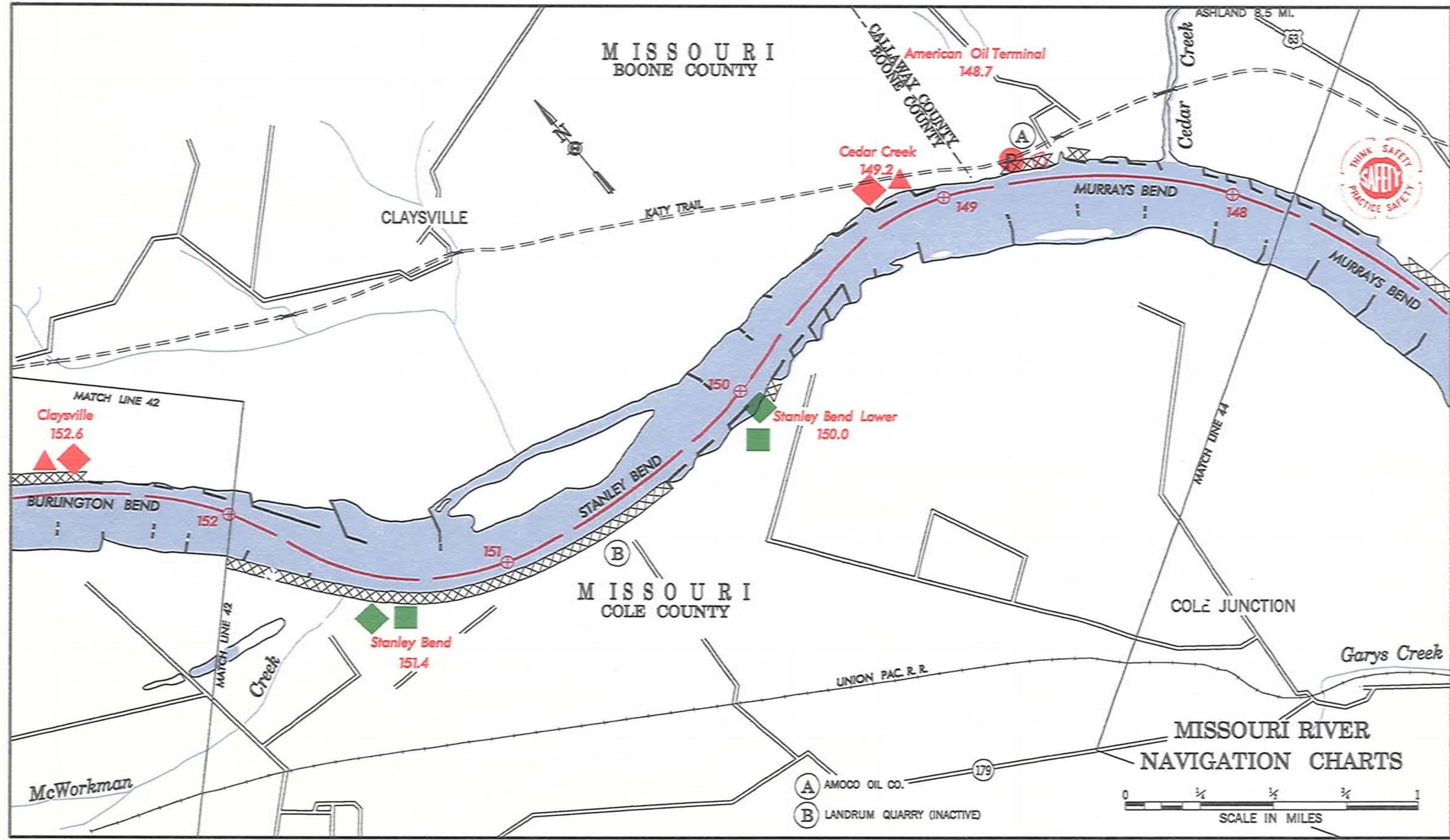
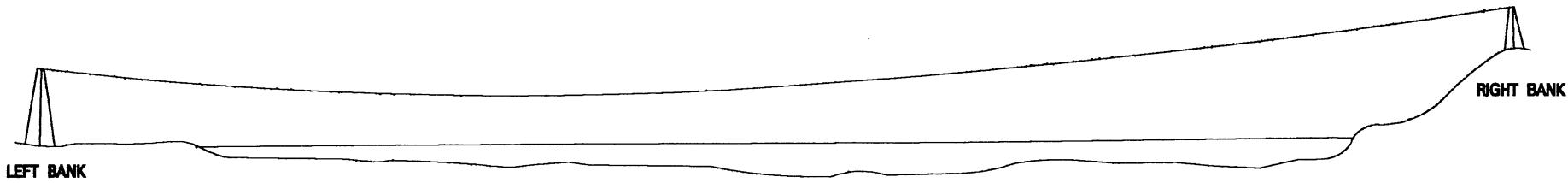


CHART NO. 42

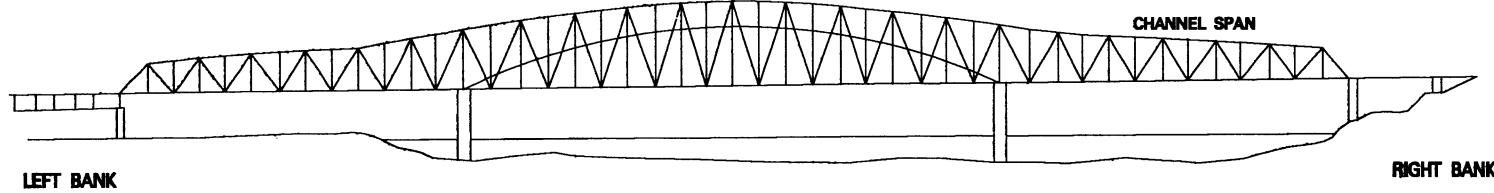






①

MO. POWER & LIGHT CO.
Mile 145.6



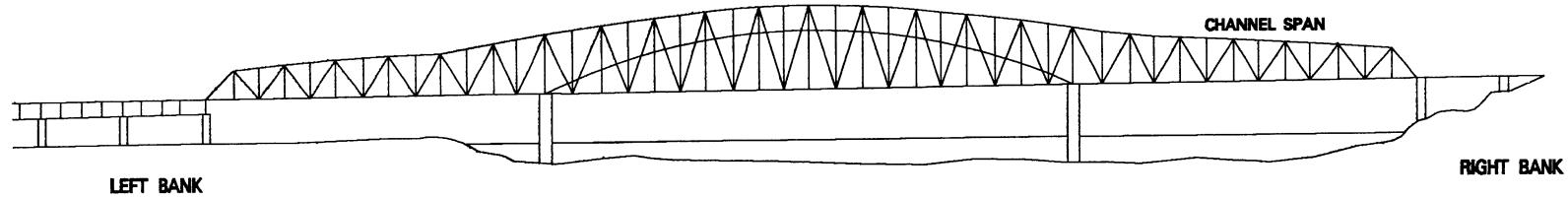
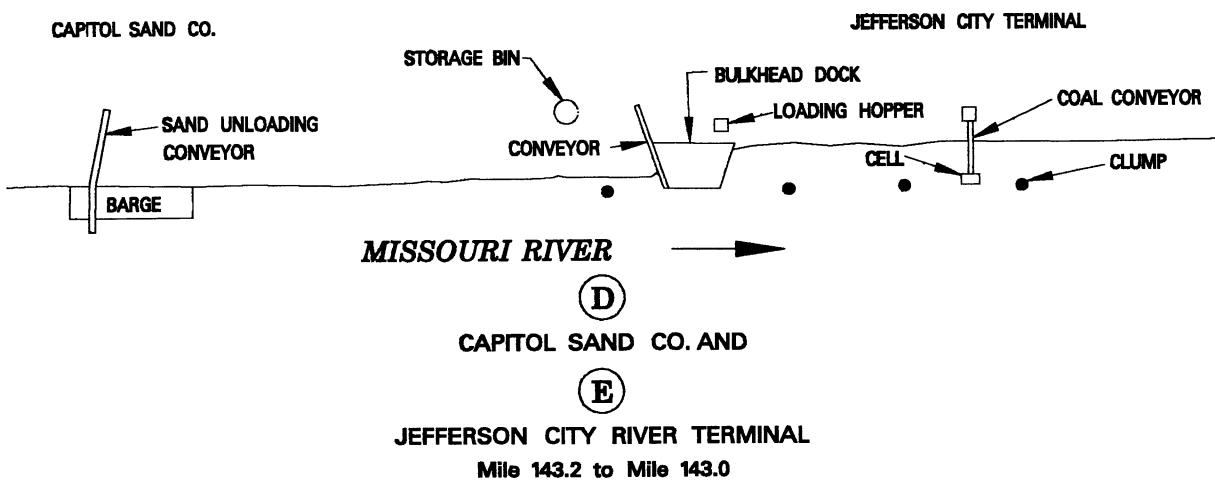
②

JEFFERSON CITY HIGHWAY BRIDGE (SOUTHBOUND)

Mile 143.9

CHANNEL SPAN DATA

TYPE	FIXED
HORIZ. CLEARANCE	400.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	
JEFFERSON CITY GAGE READING 8.9)	73'
VERT. CLEARANCE (FLOOD STAGE)	58'



③ JEFFERSON CITY HIGHWAY BRIDGE (UNDER CONSTRUCTION)
Mile 143.9
CHANNEL SPAN DATA

TYPE	-----	FIXED
HORIZ. CLEARANCE	-----	395.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	-----	
JEFFERSON CITY GAGE READING 8.9)	-----	73'
VERT. CLEARANCE (FLOOD STAGE)	-----	59'

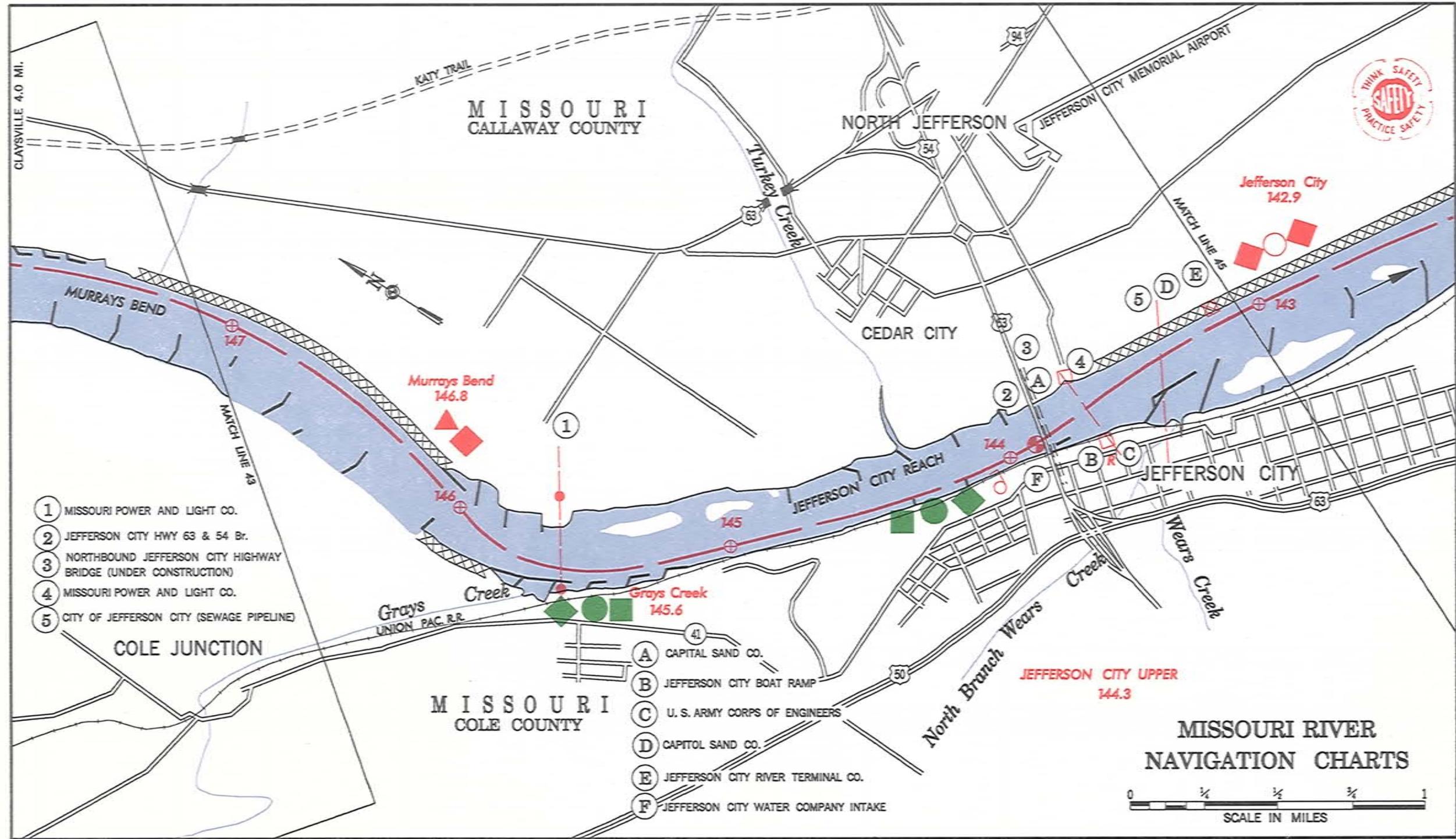
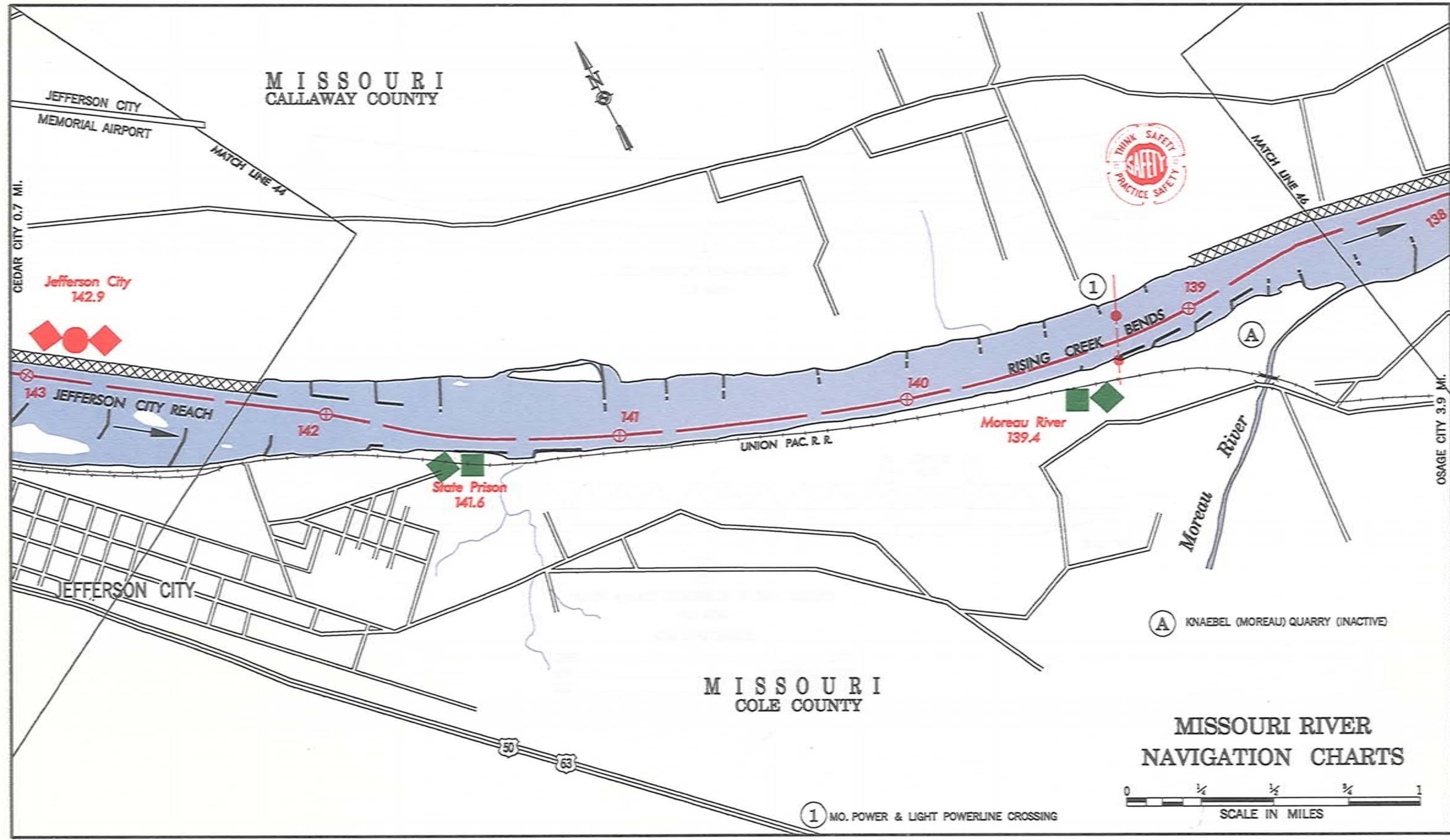
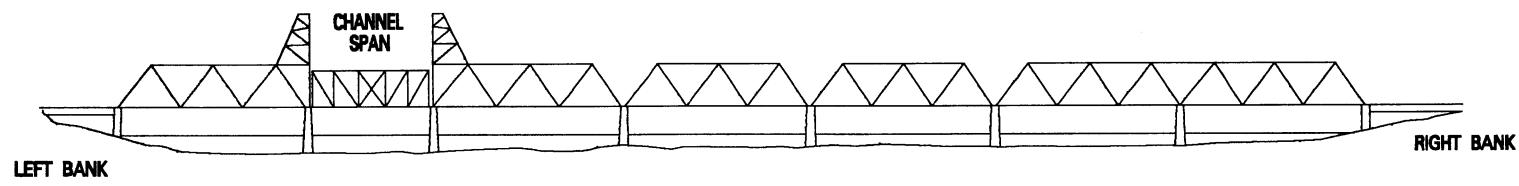
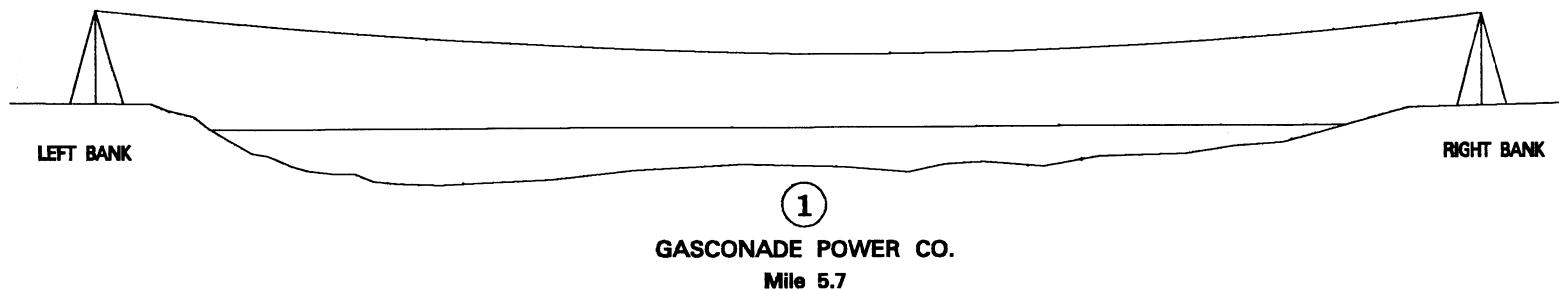


CHART NO. 44





②

UNION PAC. R. R. BRIDGE (Osage River)

Mile 5.6

CHANNEL SPAN DATA

TYPE	-----	FIXED
HORIZ. CLEARANCE	-----	98.0'
VERT. CLEARANCE	-----	13.0'

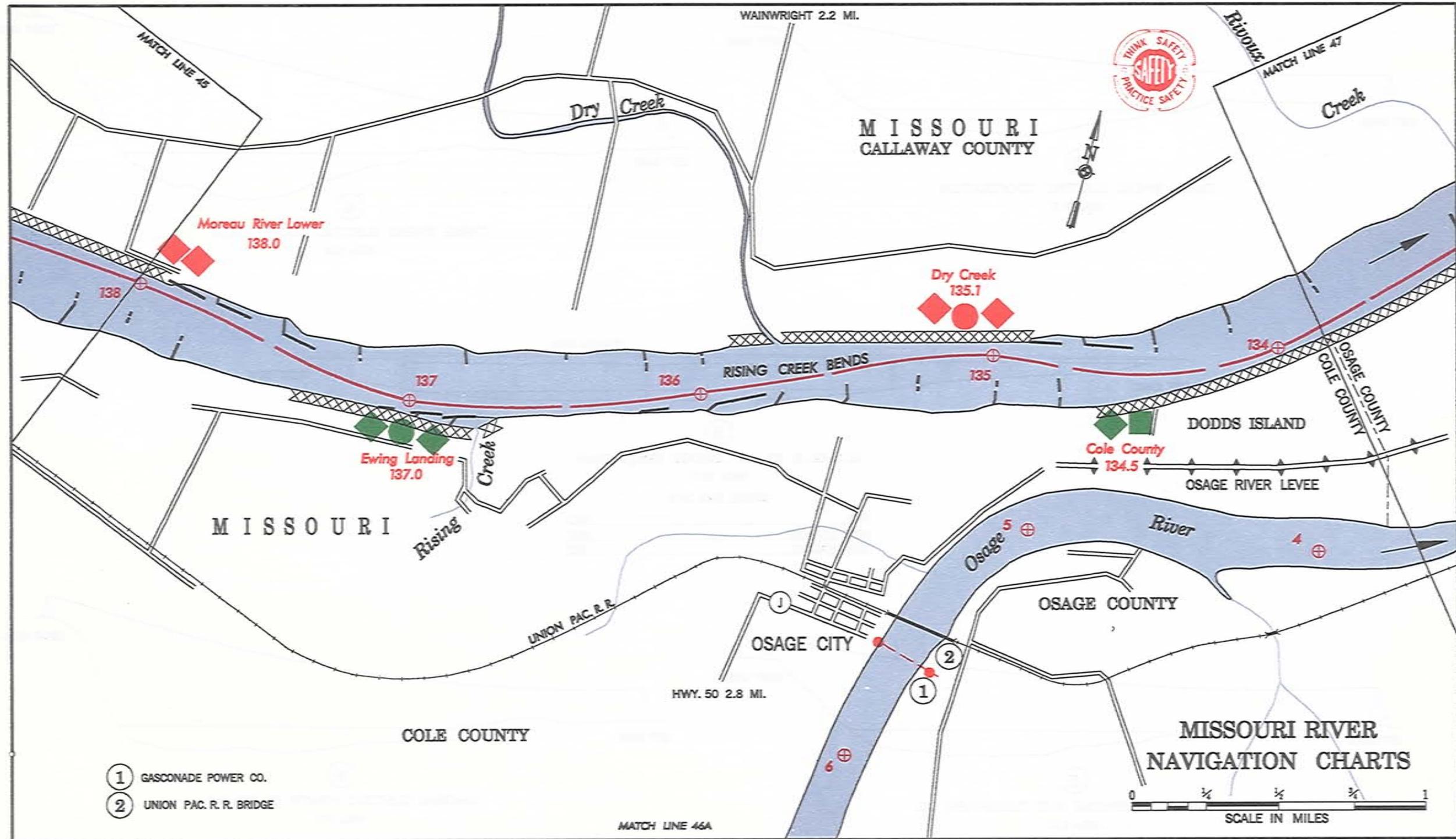
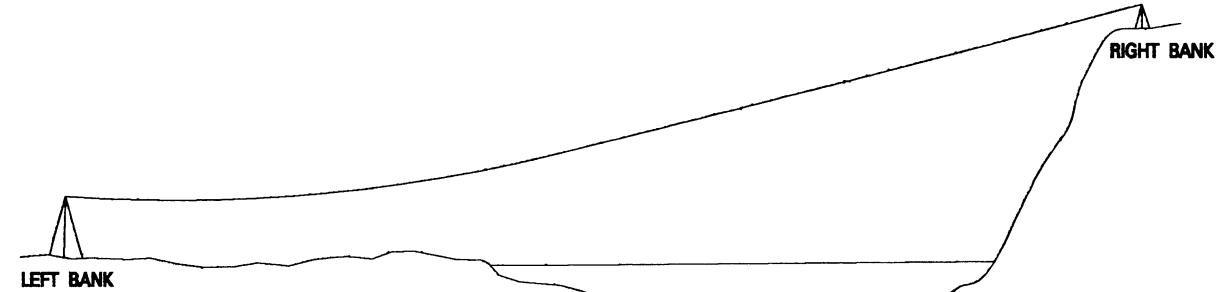


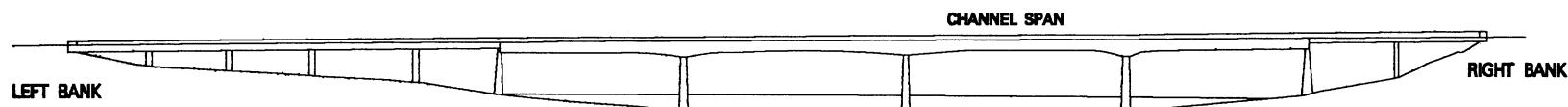
CHART NO. 46



②
THREE RIVERS ELECTRIC COOPERATION
Mile 11.2



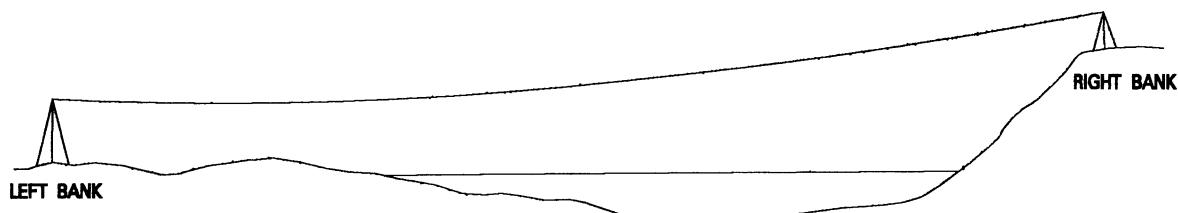
④
THREE RIVERS ELECTRIC COOPERATION
Mile 9.6



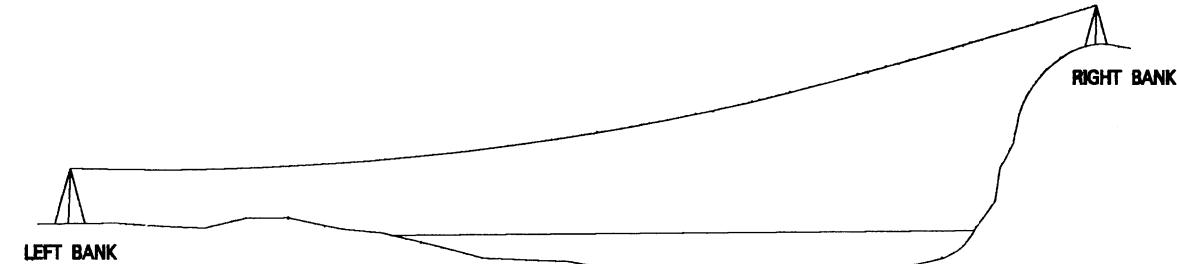
③
U. S. 50 & 63 HWY. BRIDGE (Osage River)
Mile 10.0

CHANNEL SPAN DATA

TYPE	FIXED
HORIZ. CLEARANCE	185.0'
VERT. CLEARANCE	48.3'



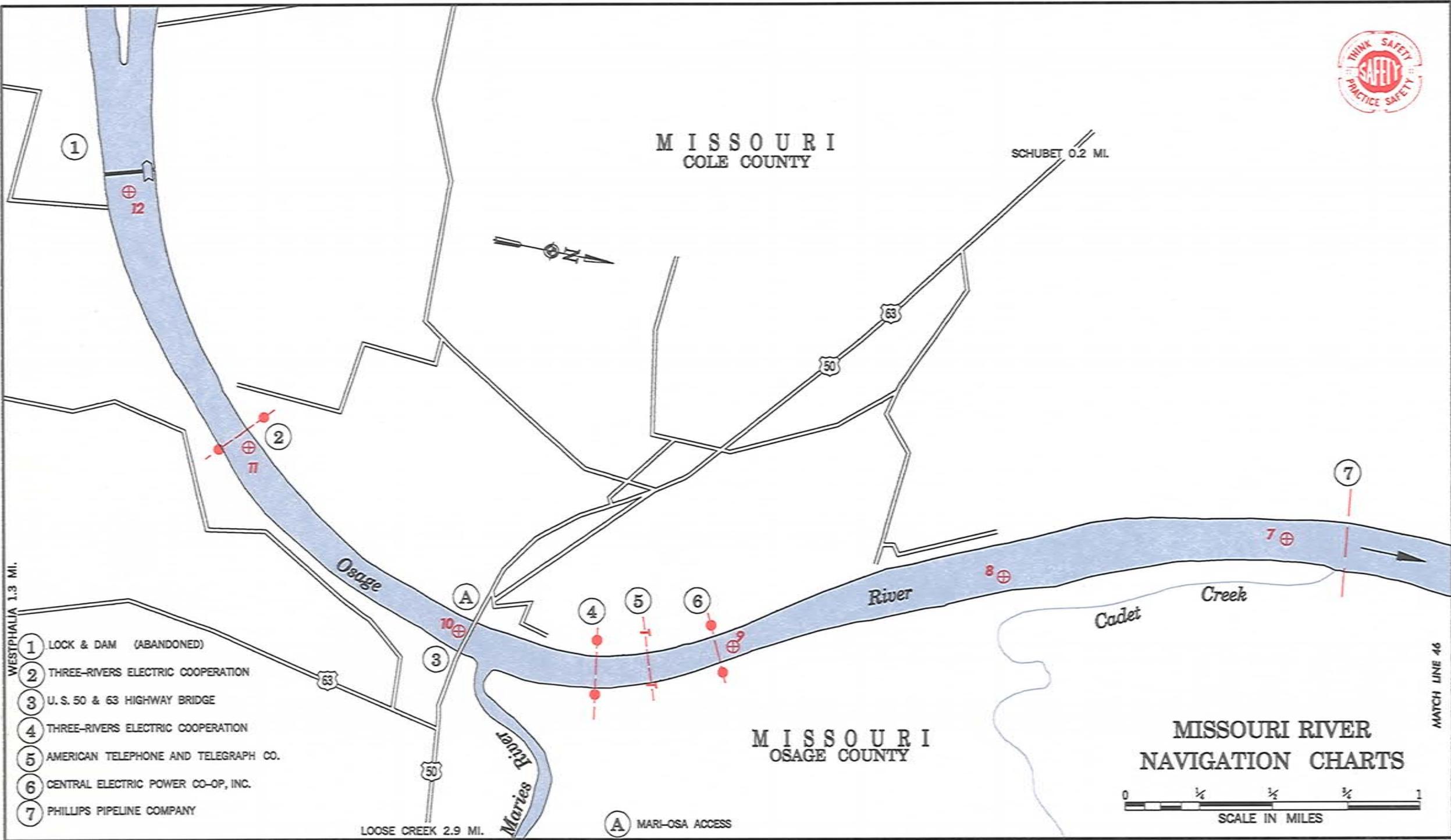
⑤
AMERICAN TELEPHONE AND TELEGRAPH CO.
Mile 9.4



⑥
CENTRAL ELECTRIC POWER CO-OP, INC.
Mile 9.1



MISSOURI
COLE COUNTY



MISSOURI
OSAGE COUNTY

MISSOURI RIVER
NAVIGATION CHARTS

(A) MARL-OSA ACCESS

CHART NO. 46A

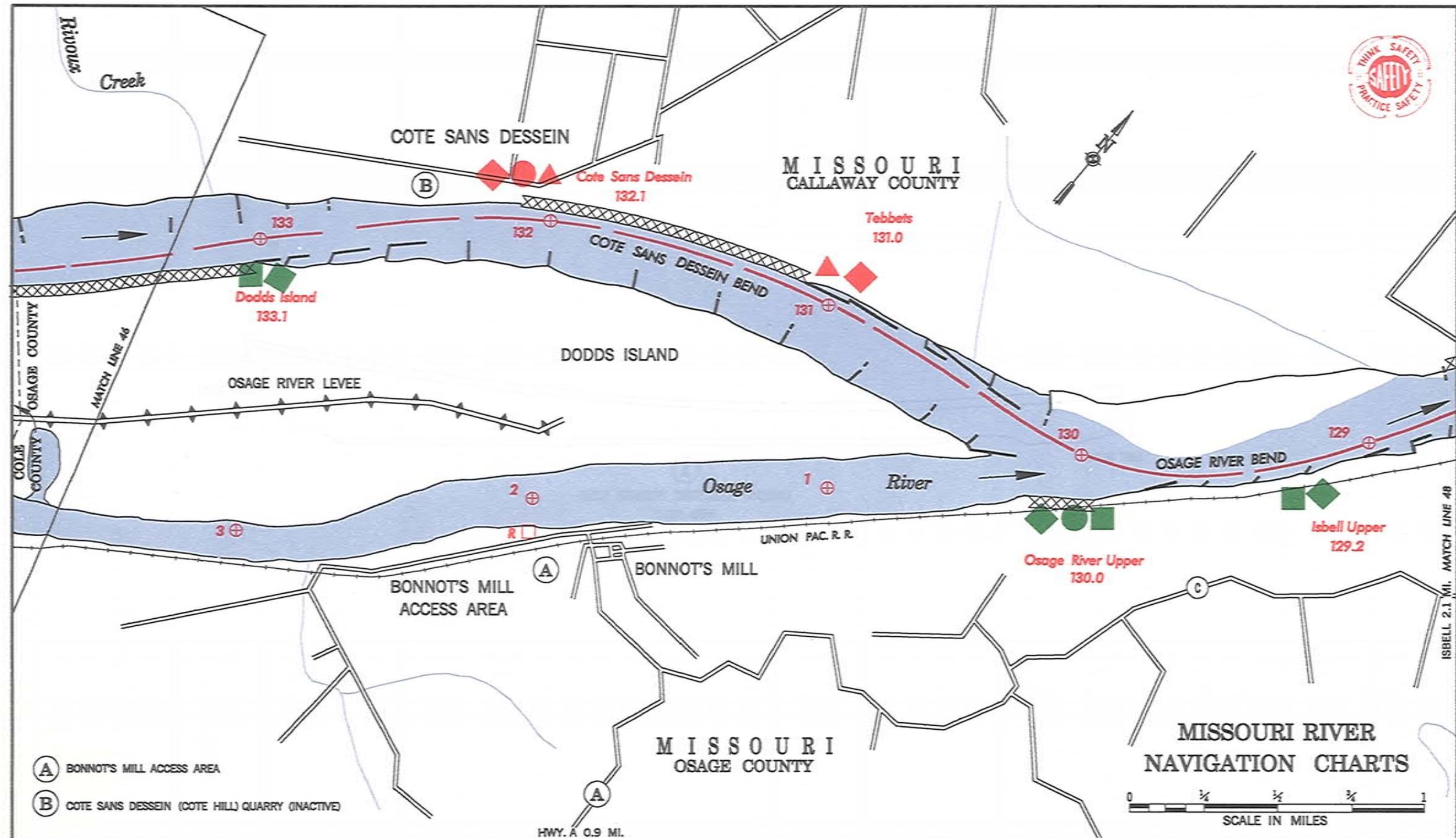
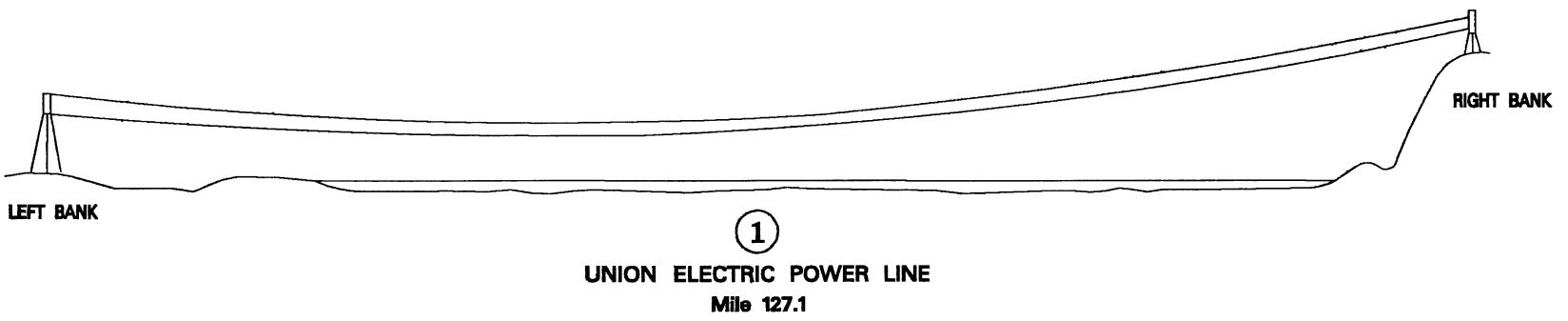
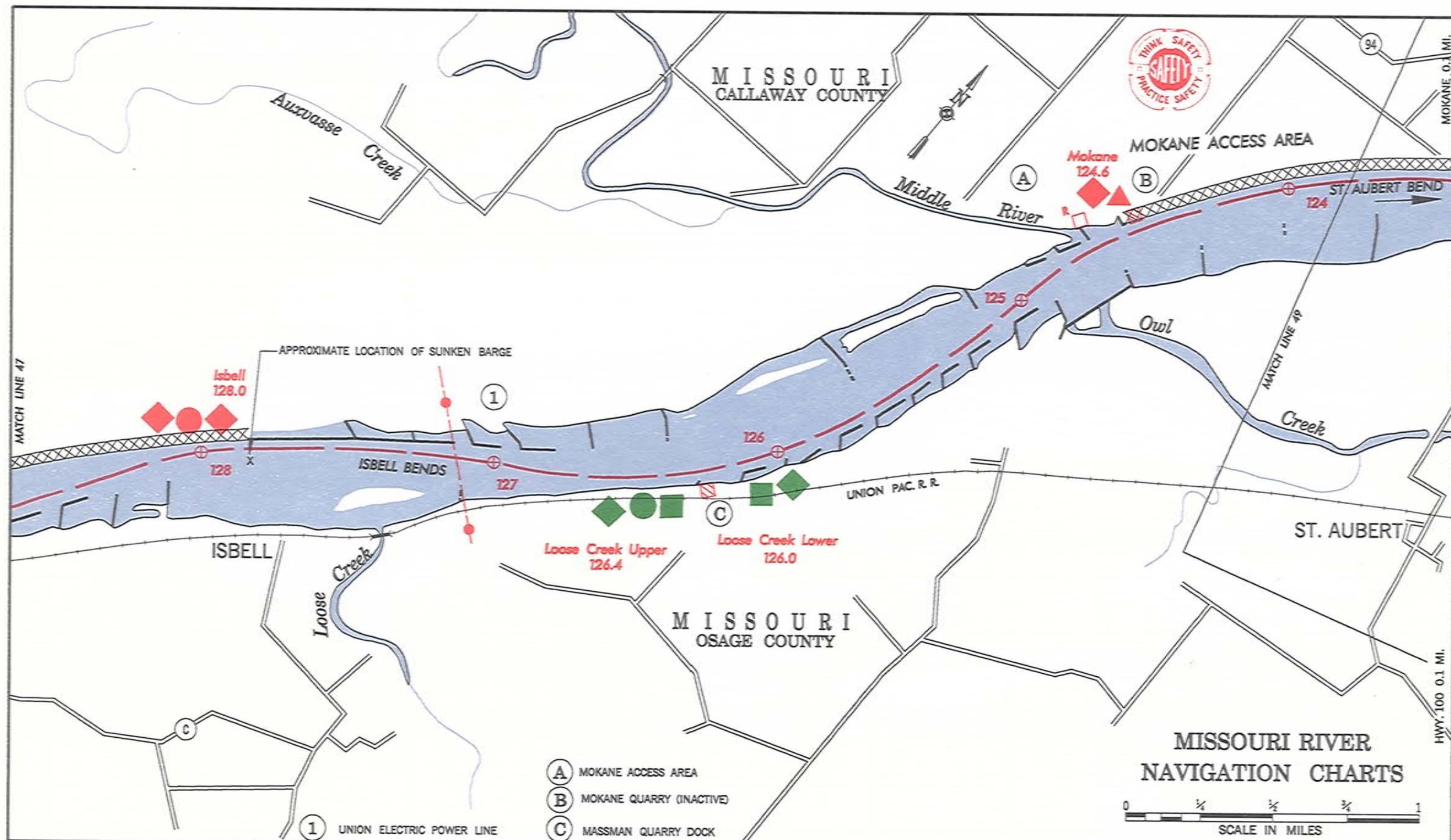


CHART NO. 47





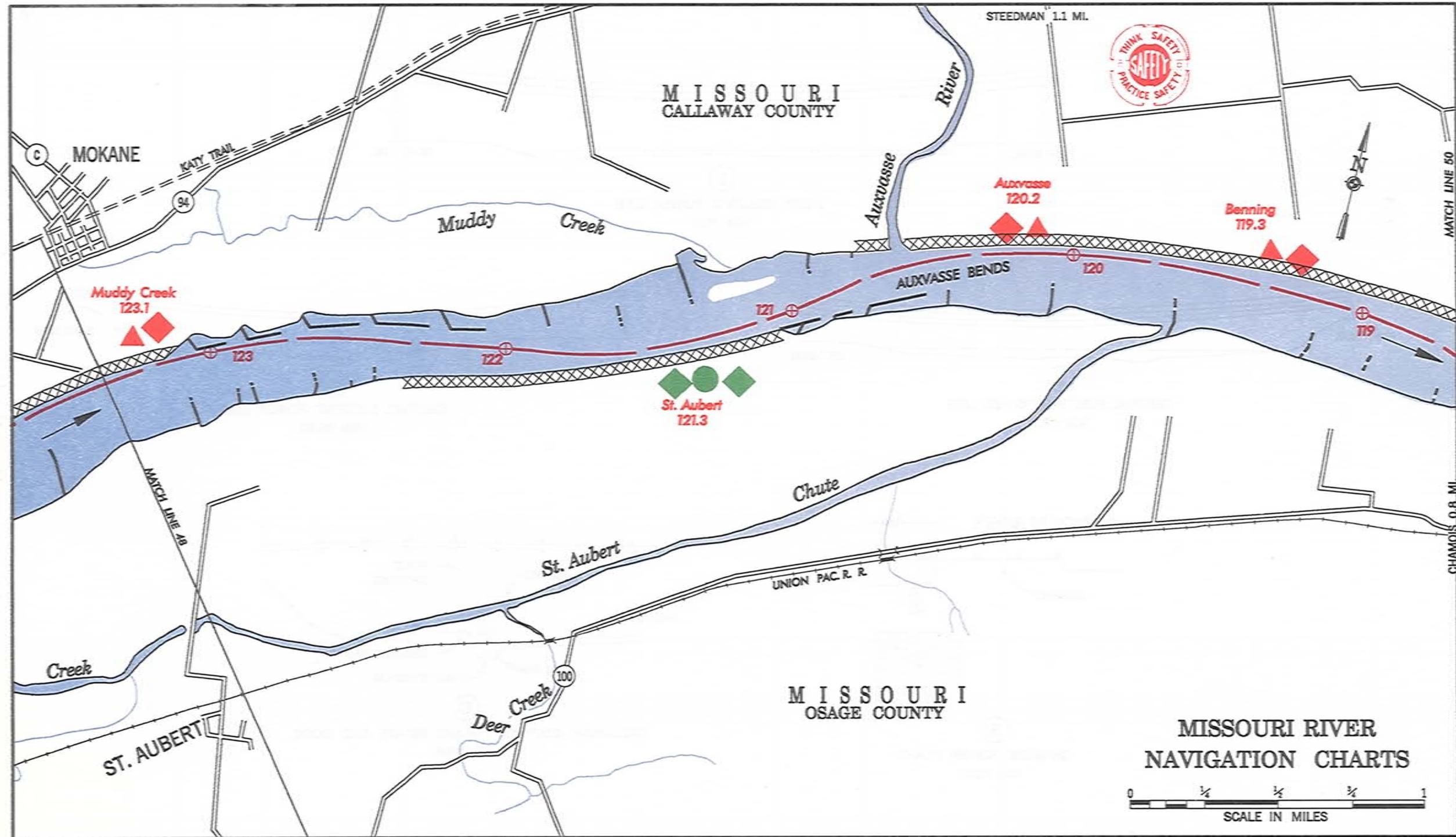
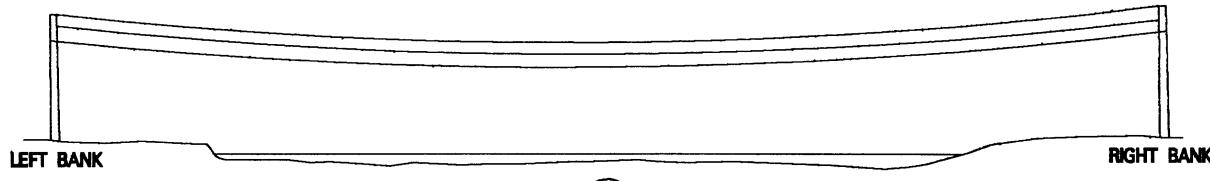


CHART NO. 49



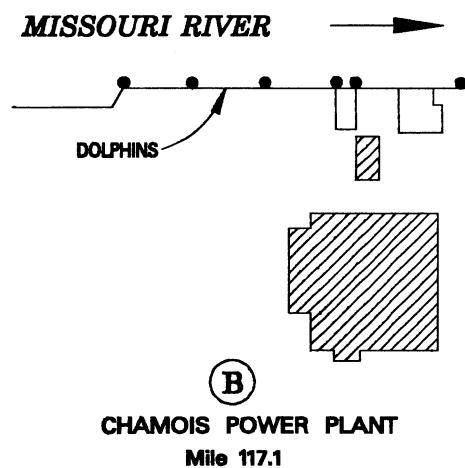
①
UNION ELECTRIC POWER LINE
Mile 116.6



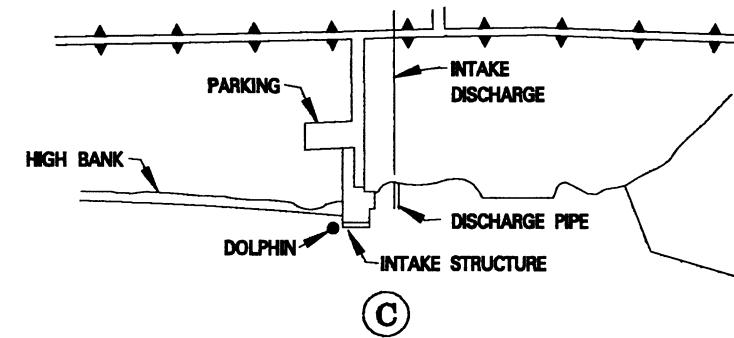
②
CENTRAL ELECTRIC POWER LINE
Mile 113.9



③
CENTRAL ELECTRIC POWER LINE
Mile 113.88



B
CHAMOIS POWER PLANT
Mile 117.1



C
CALLAWAY CO. POWER PLANT INTAKE AND DOCK
Mile 115.4

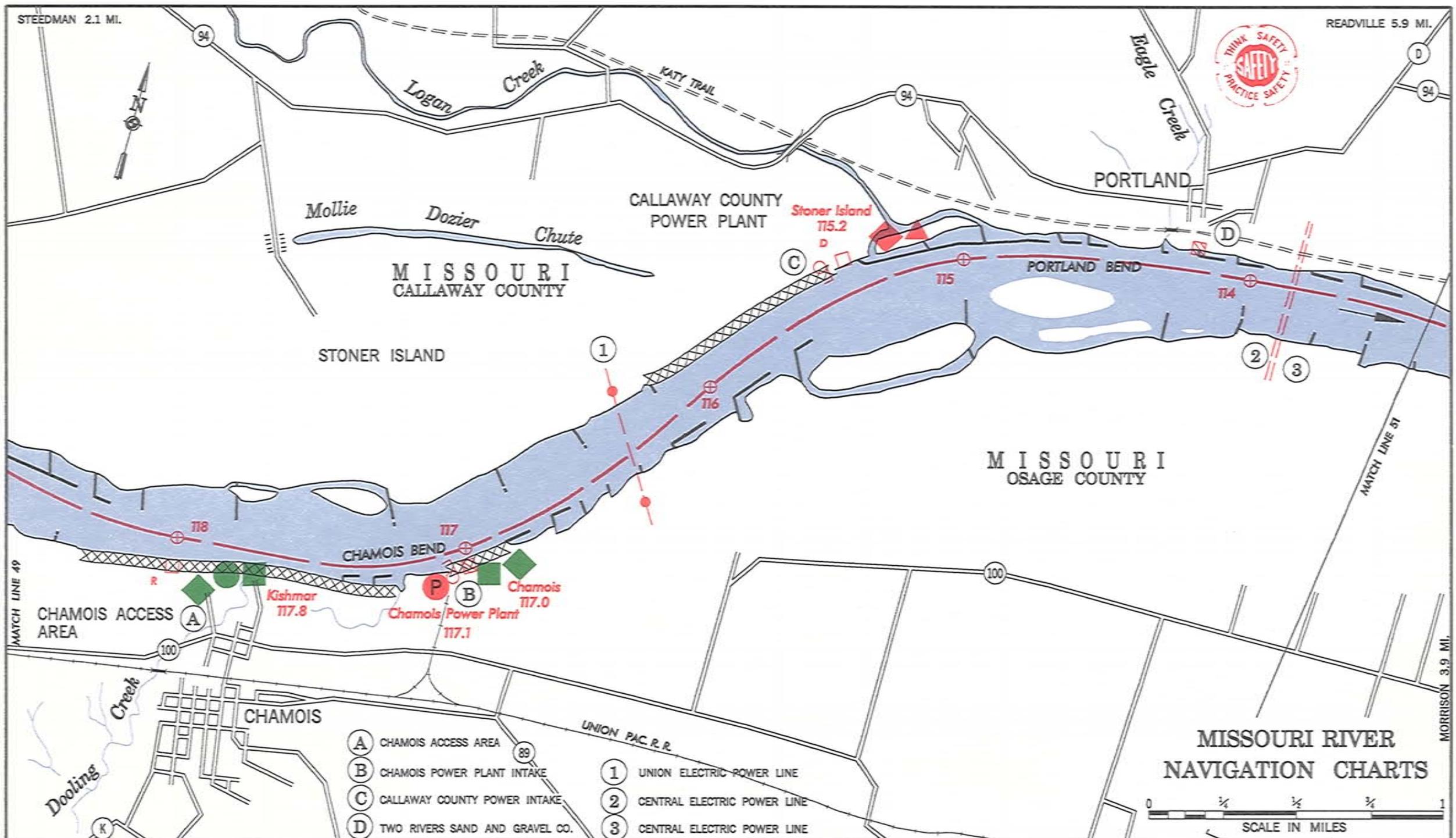


CHART NO. 50

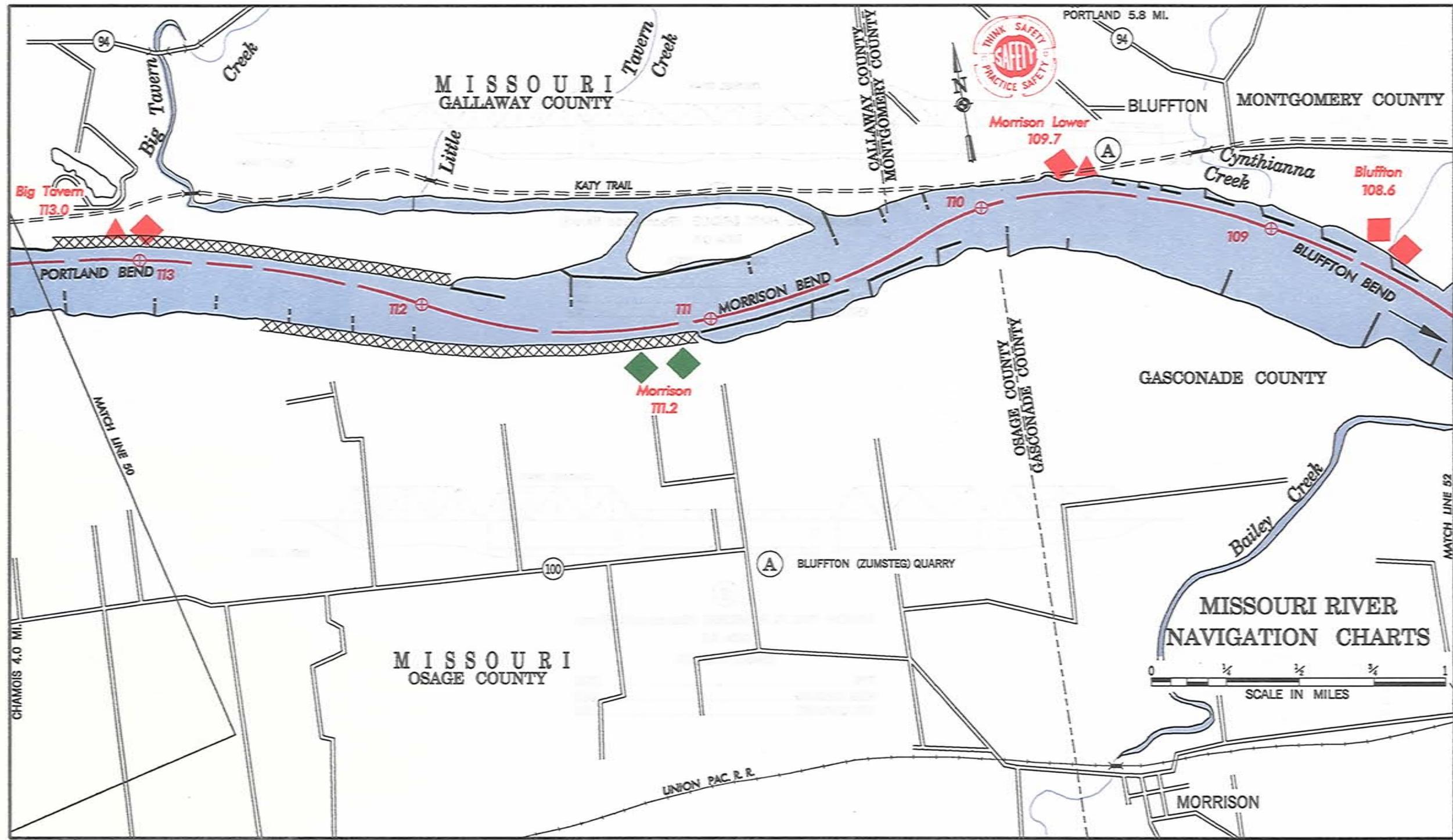
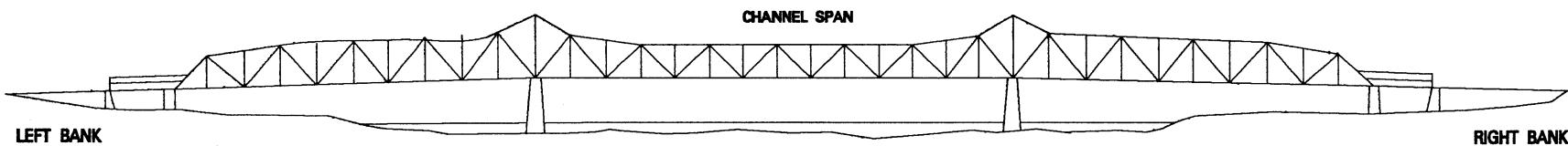


CHART NO. 51



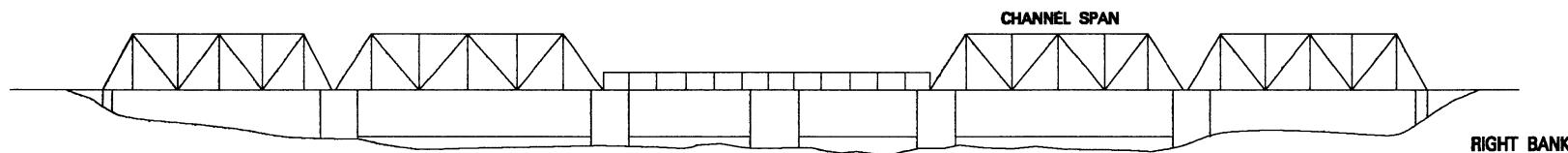
①

GASCONADE HWY. BRIDGE (Gasconade River)

Mile 0.8

CHANNEL SPAN DATA

TYPE	FIXED
HORIZ. CLEARANCE	256.0'
VERT. CLEARANCE	39.8'



②

UNION PAC. R. R. BRIDGE (Gasconade River)

Mile 0.5

CHANNEL SPAN DATA

TYPE	FIXED
HORIZ. CLEARANCE	148.3'
VERT. CLEARANCE	32.0'

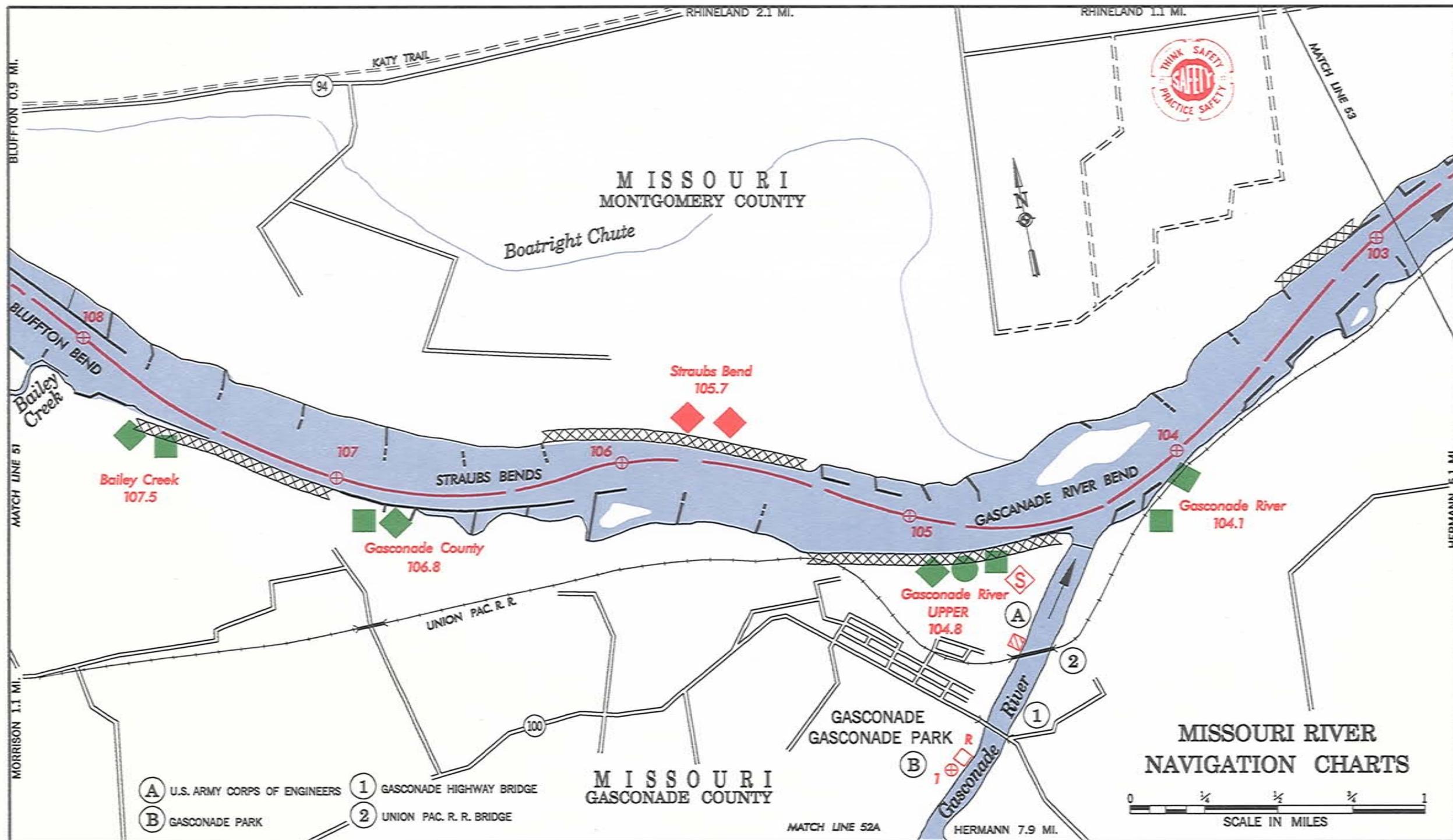
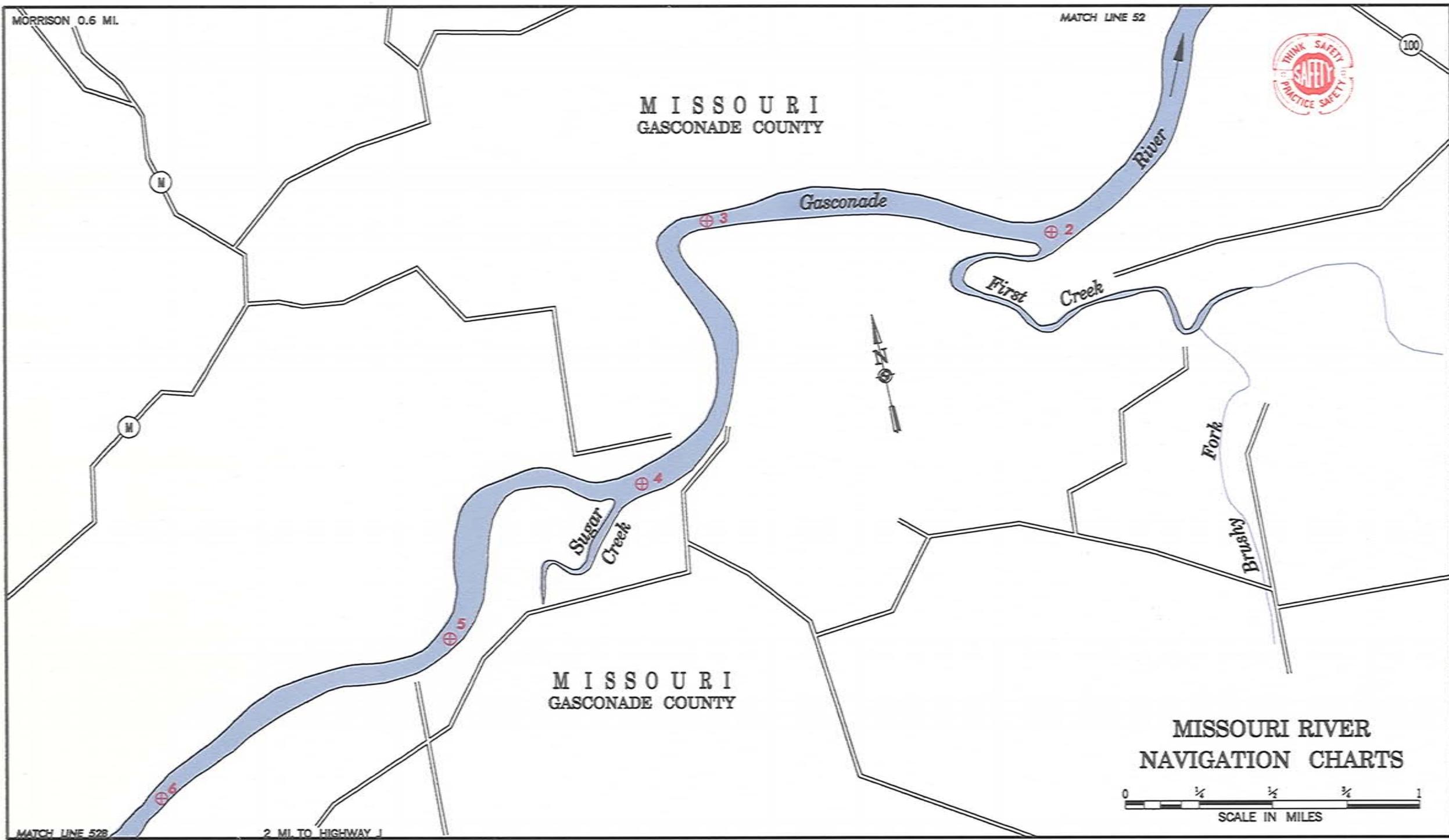
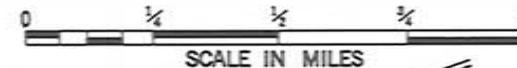


CHART NO. 52



MATCH LINE 52A

MISSOURI RIVER NAVIGATION CHARTS



MISSOURI
GASCONADE COUNTY

FREDERICKSBURG

OSAGE COUNTY
GASCONADE COUNTY

OSAGE COUNTY

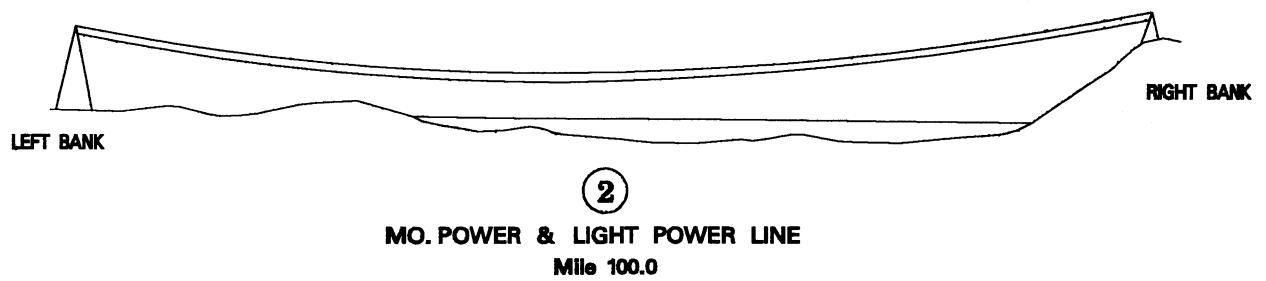
GASCONADE COUNTY

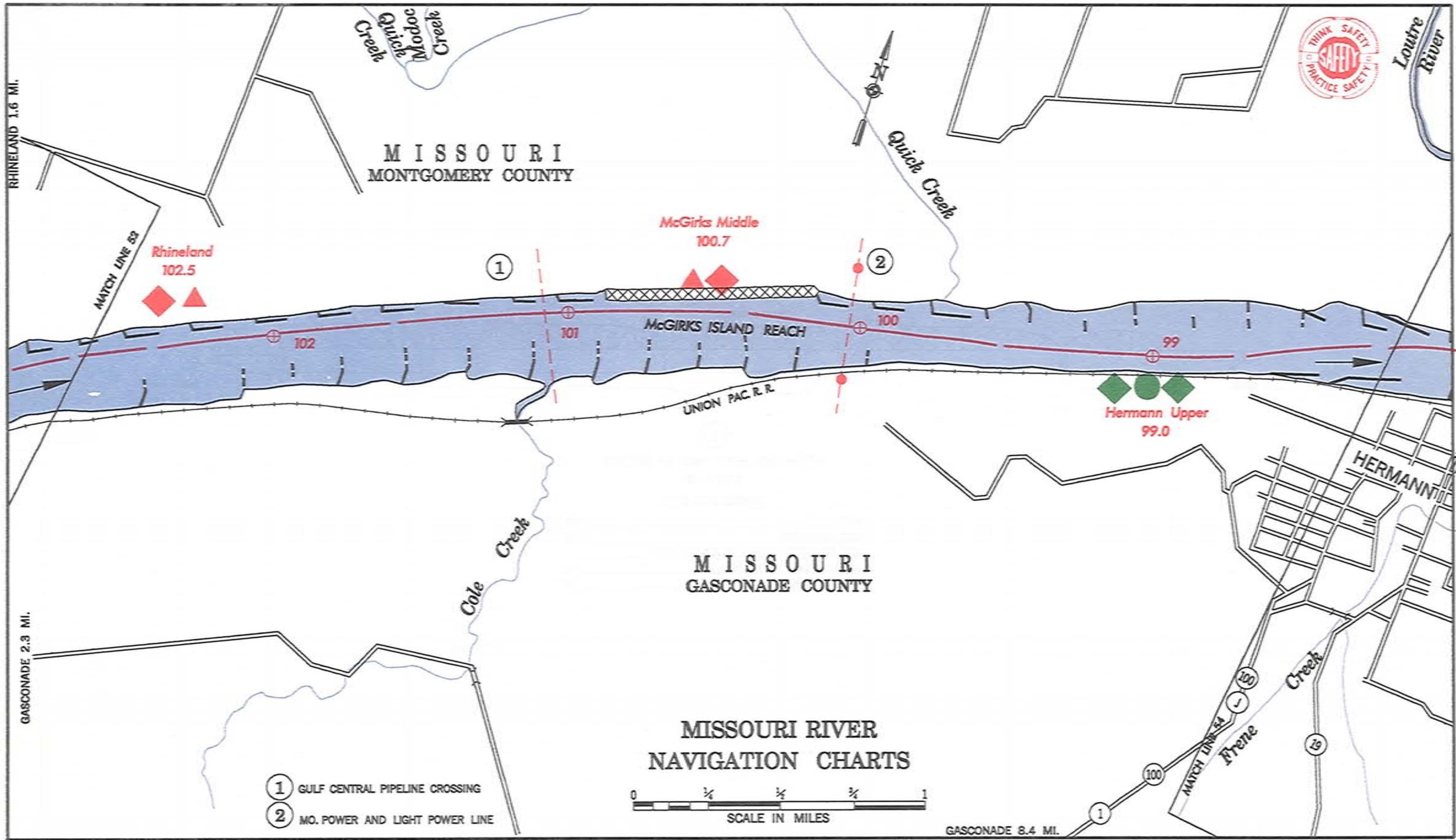
MISSOURI
GASCONADE COUNTY

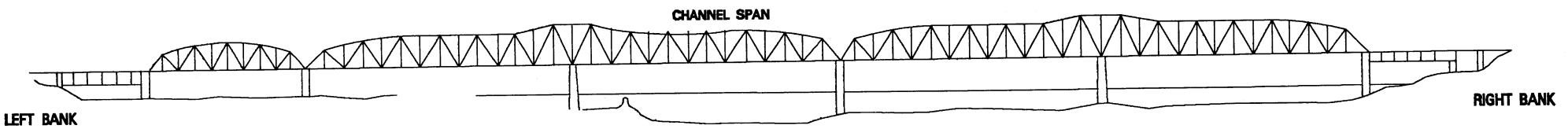
1 MYERS FERRY

PERSHING 1.1 MI.

CHART NO. 52B





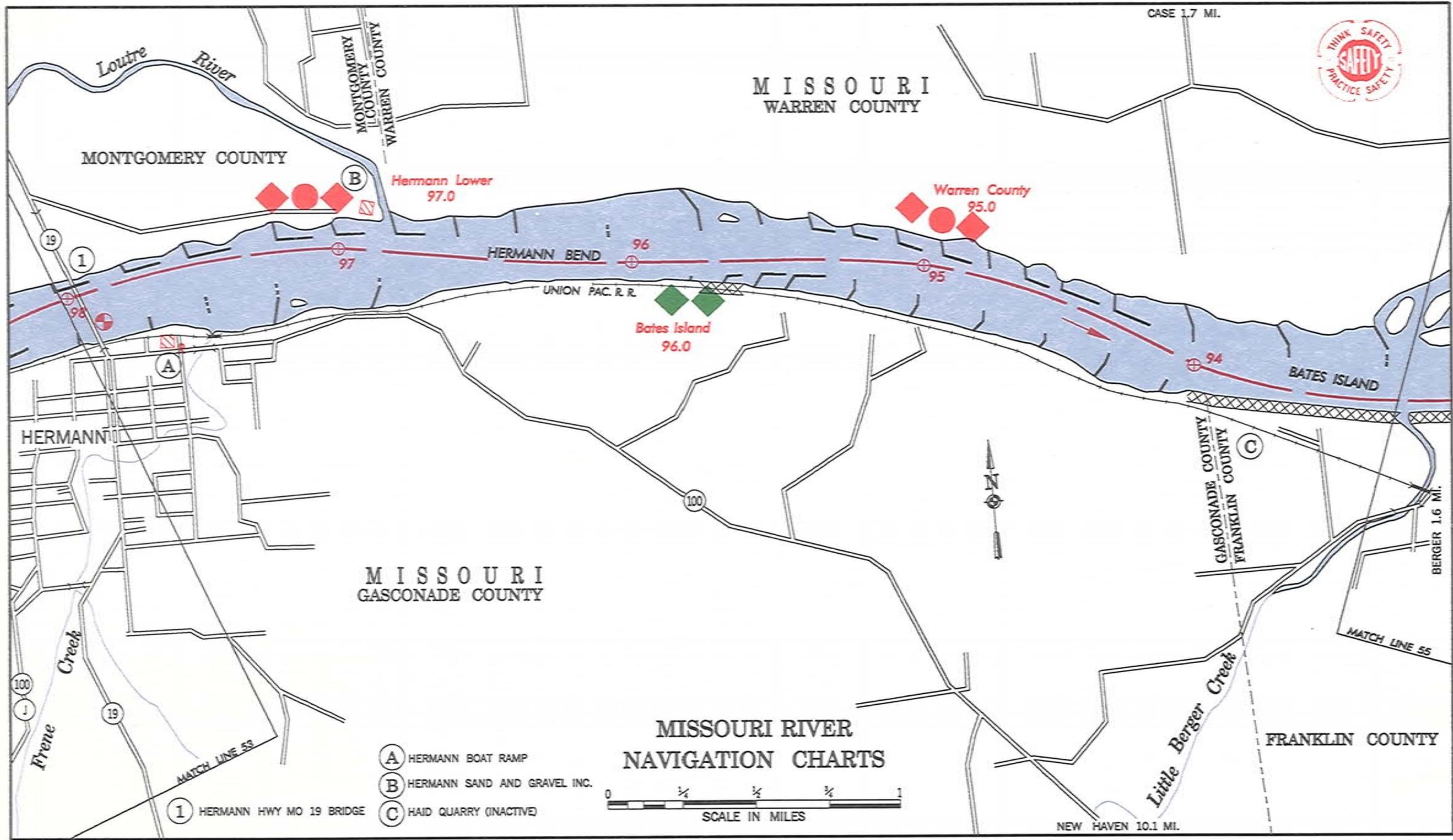


①

HERMANN HWY MO 19 BRIDGE
Mile 97.9

CHANNEL SPAN DATA

TYPE	-----	FIXED
HORIZ. CLEARANCE	-----	300.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	-----	
HERMANN GAGE READING 8.7)	-----	57'
VERT. CLEARANCE (FLOOD STAGE)	-----	45'



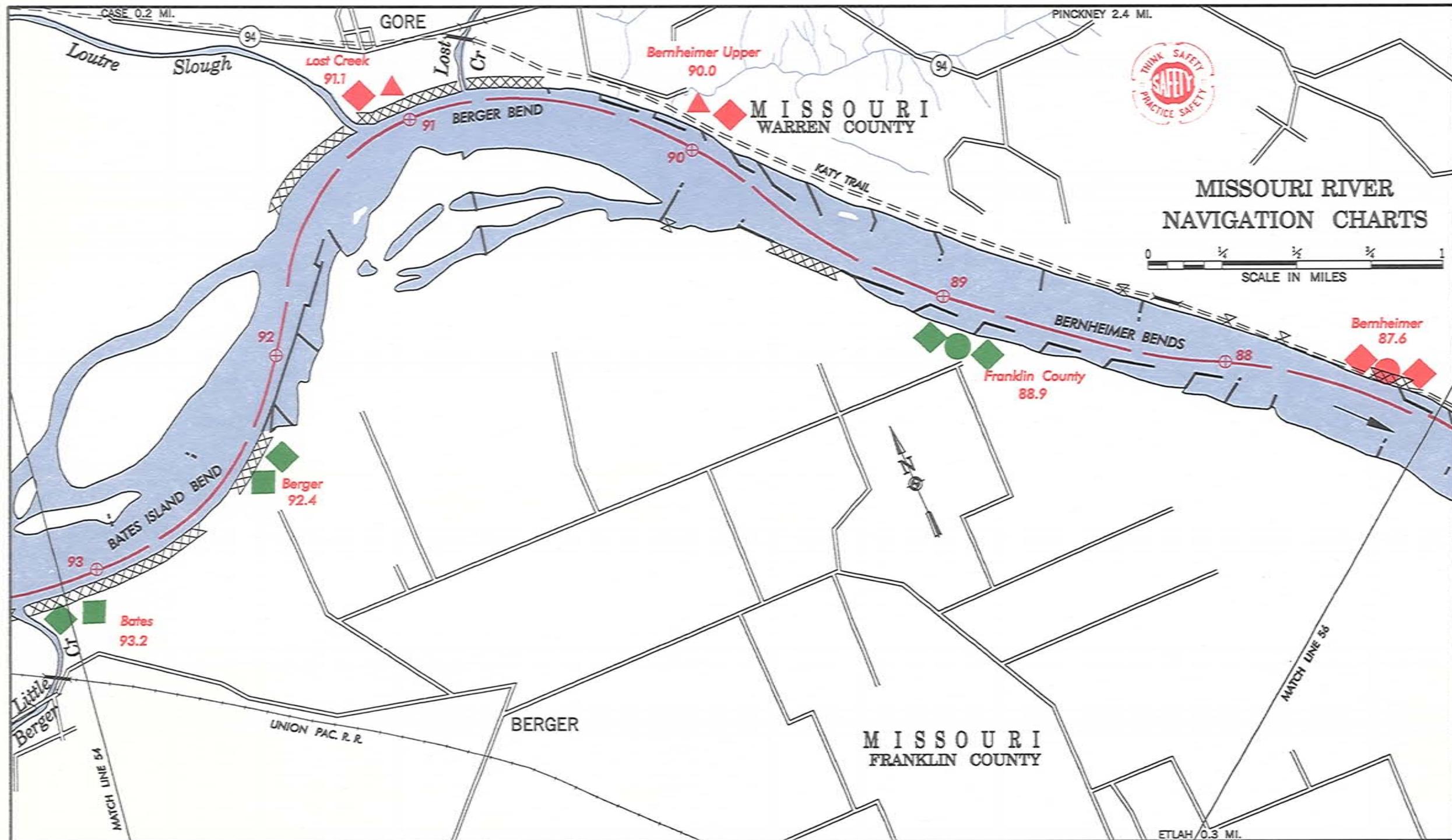


CHART NO. 55

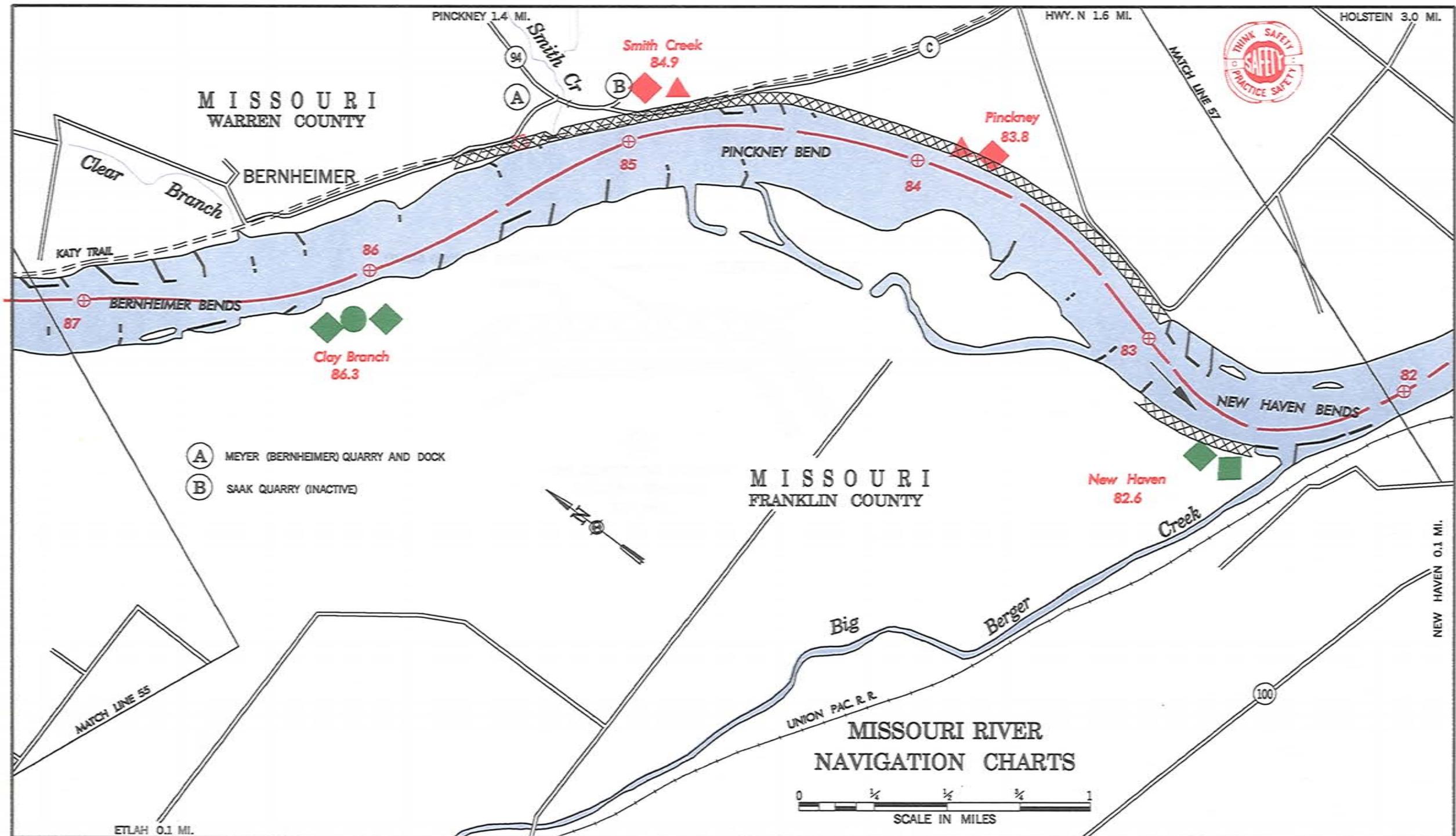
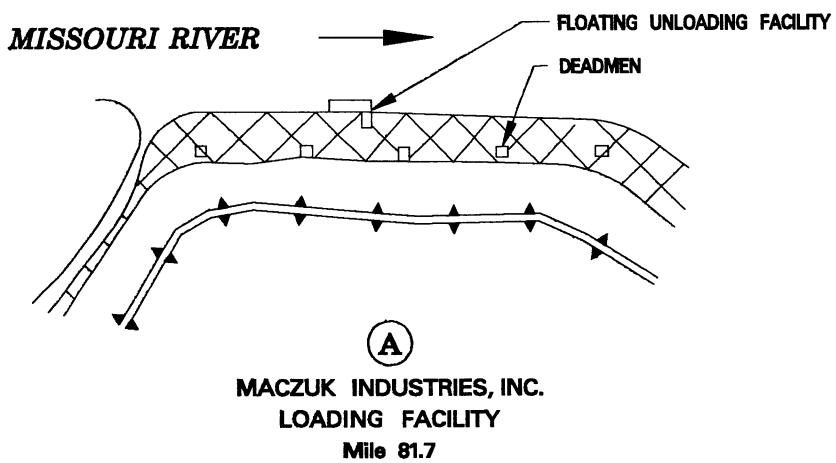


CHART NO. 56



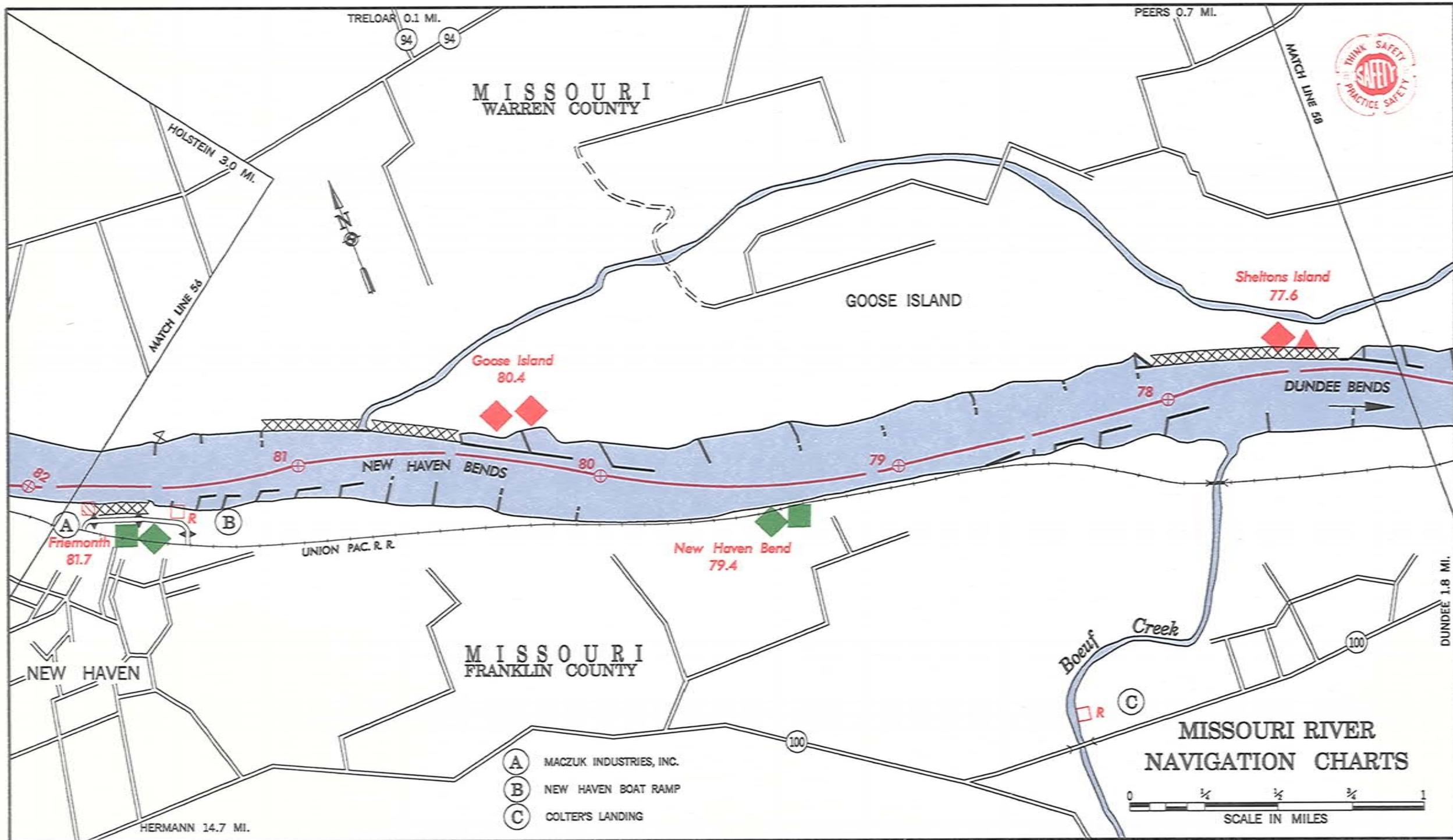


CHART NO. 57

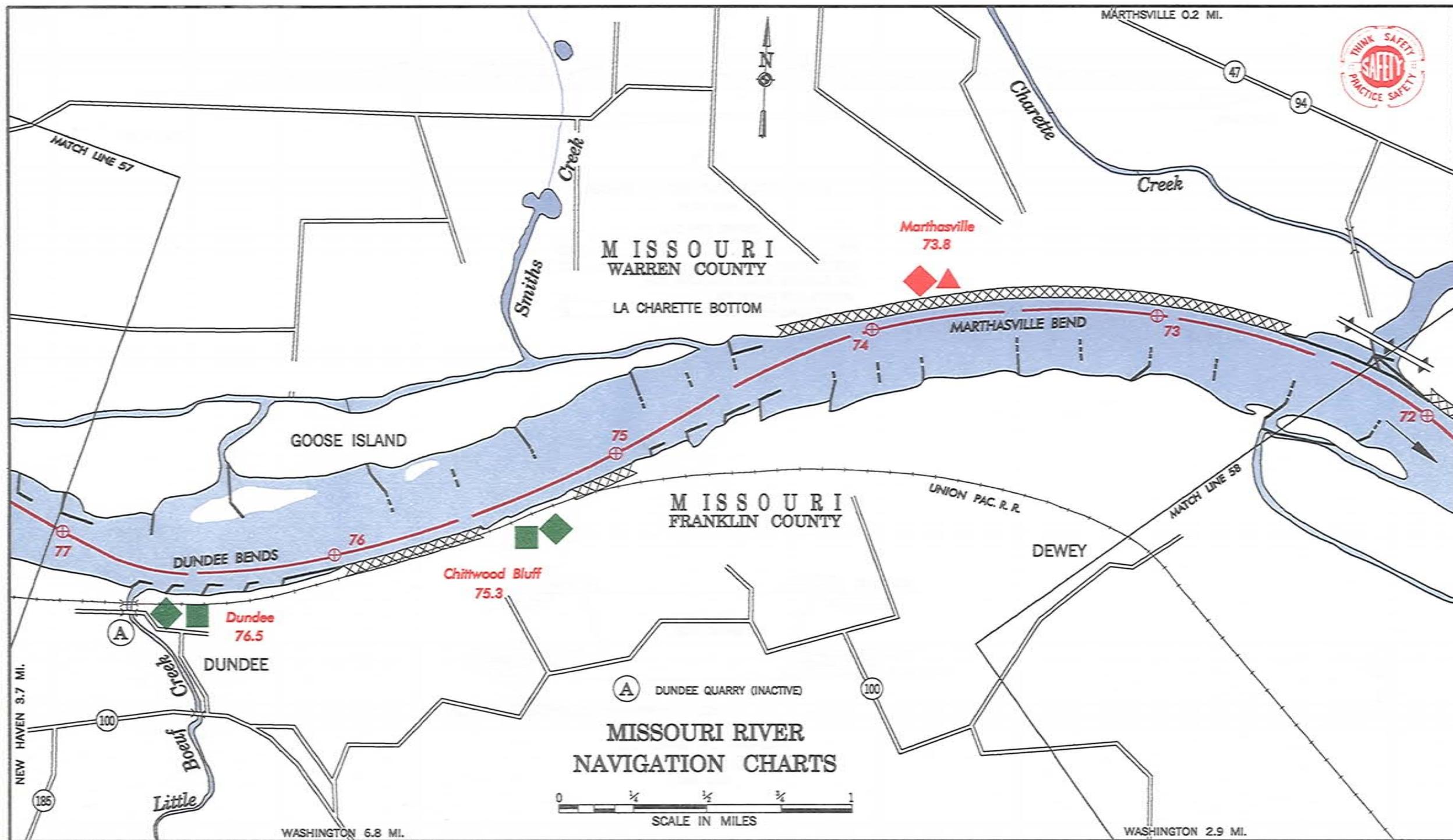
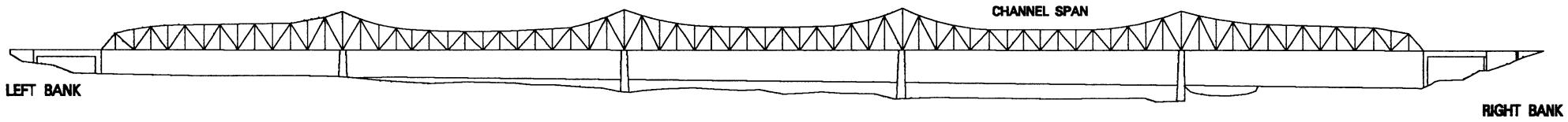


CHART NO. 58



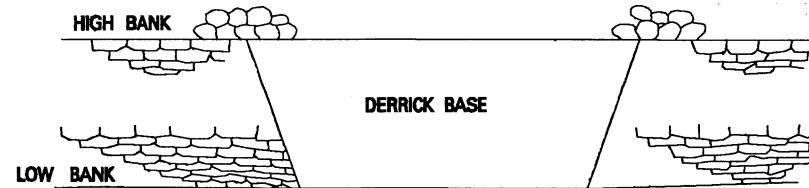
1

WASHINGTON HWY NO 47 BRIDGE

Mile 67.6

CHANNEL SPAN DATA

TYPE	FIXED
HORIZ. CLEARANCE	463.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	
HERMANN GAGE READING 8.7	68'
VERT. CLEARANCE (FLOOD STAGE)	54'



D

MISSOURI RIVER

WASHINGTON SAND CO.

LOADING DOCK

Mile 68.1

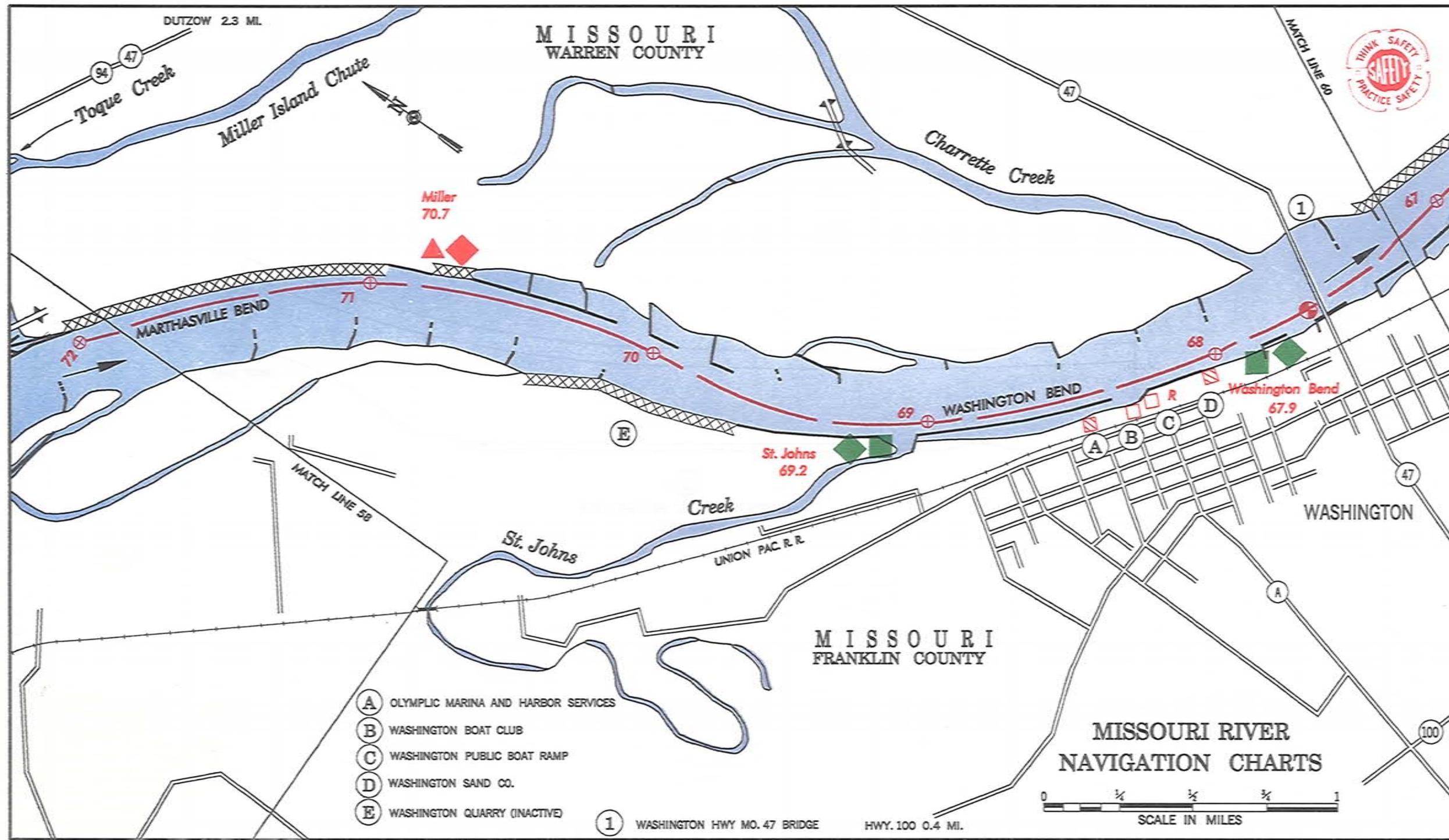
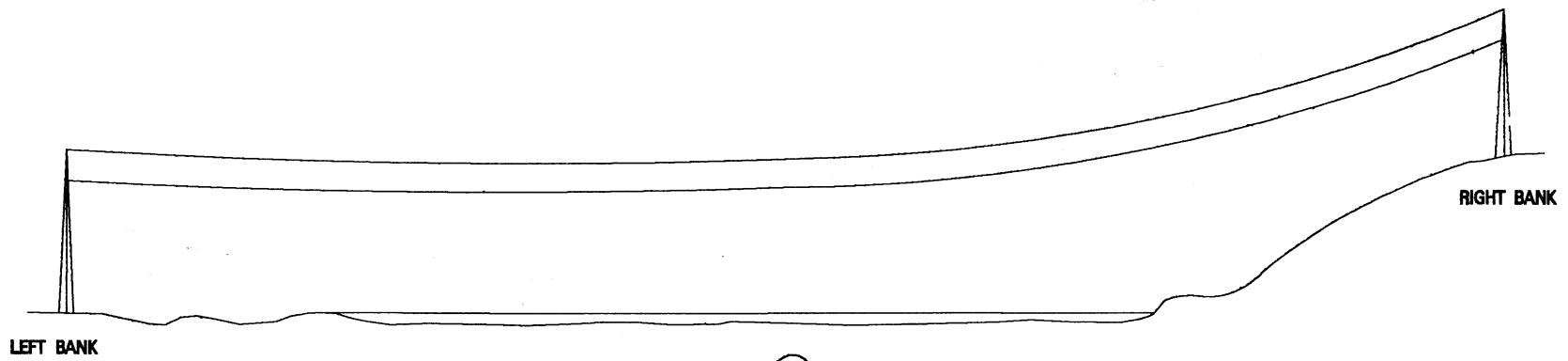
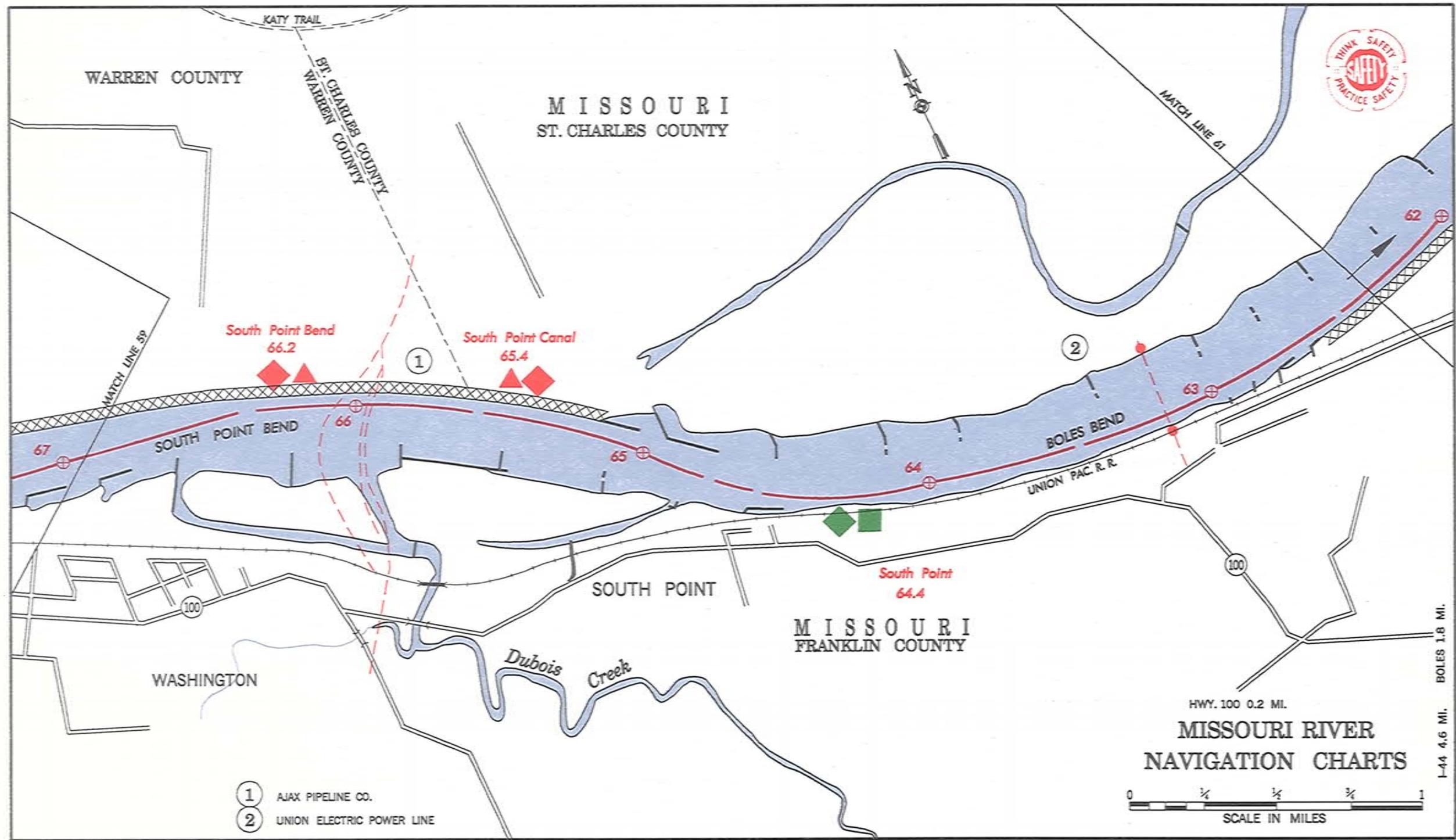


CHART NO. 59



②

UNION ELECTRIC POWER LINE
Mile 63.2



I-44 4.6 MI. BOLES 1.8 MI.

MATCH LINE 61

MATCH LINE 59

KATY TRAIL

UNION PAC. R.R.

UNION ELECTRIC POWER LINE

AJAX PIPELINE CO.

SOUTH POINT CANAL

SOUTH POINT BEND

BOLES BEND

DUBOIS CREEK

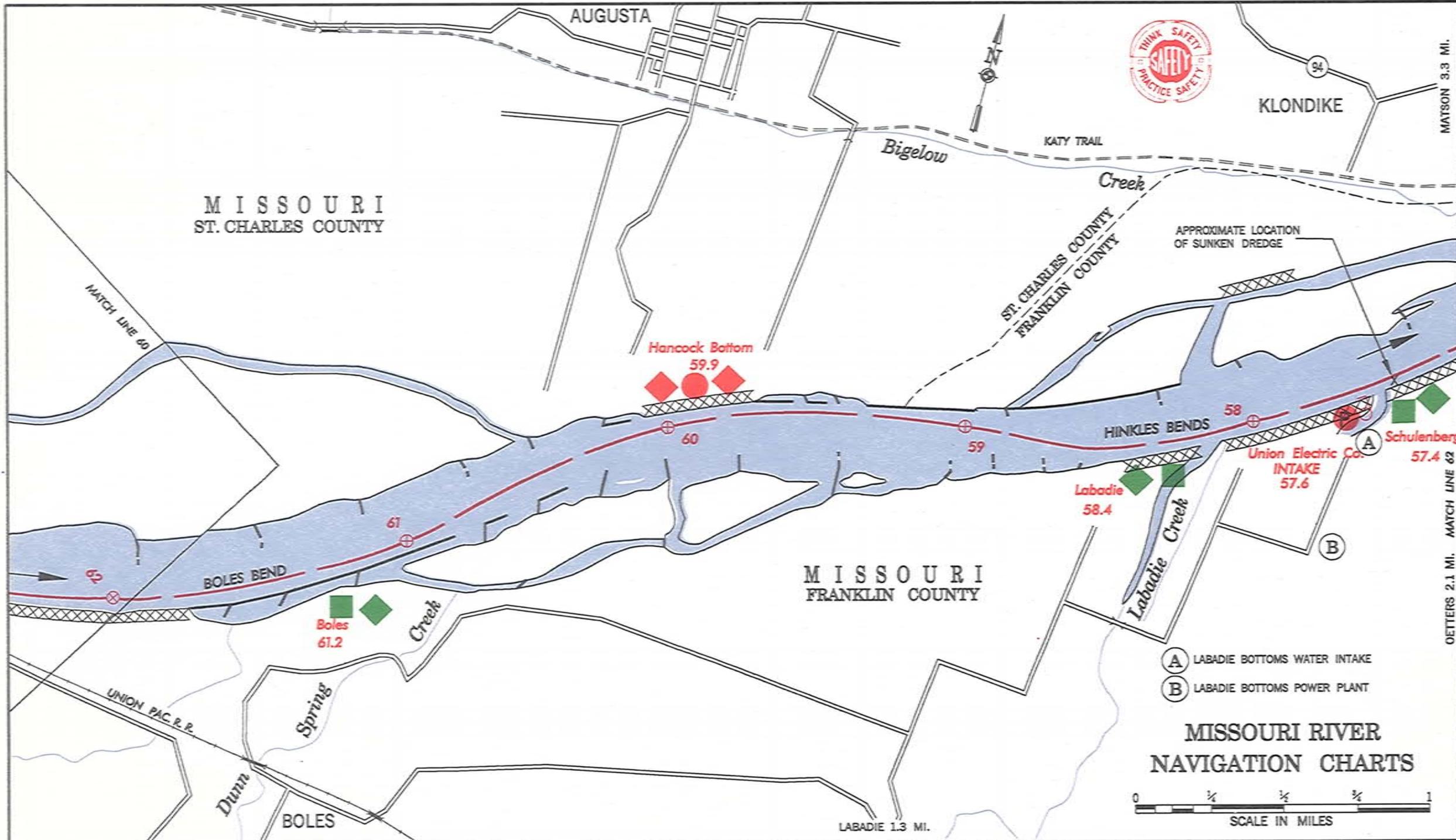
HWY. 100

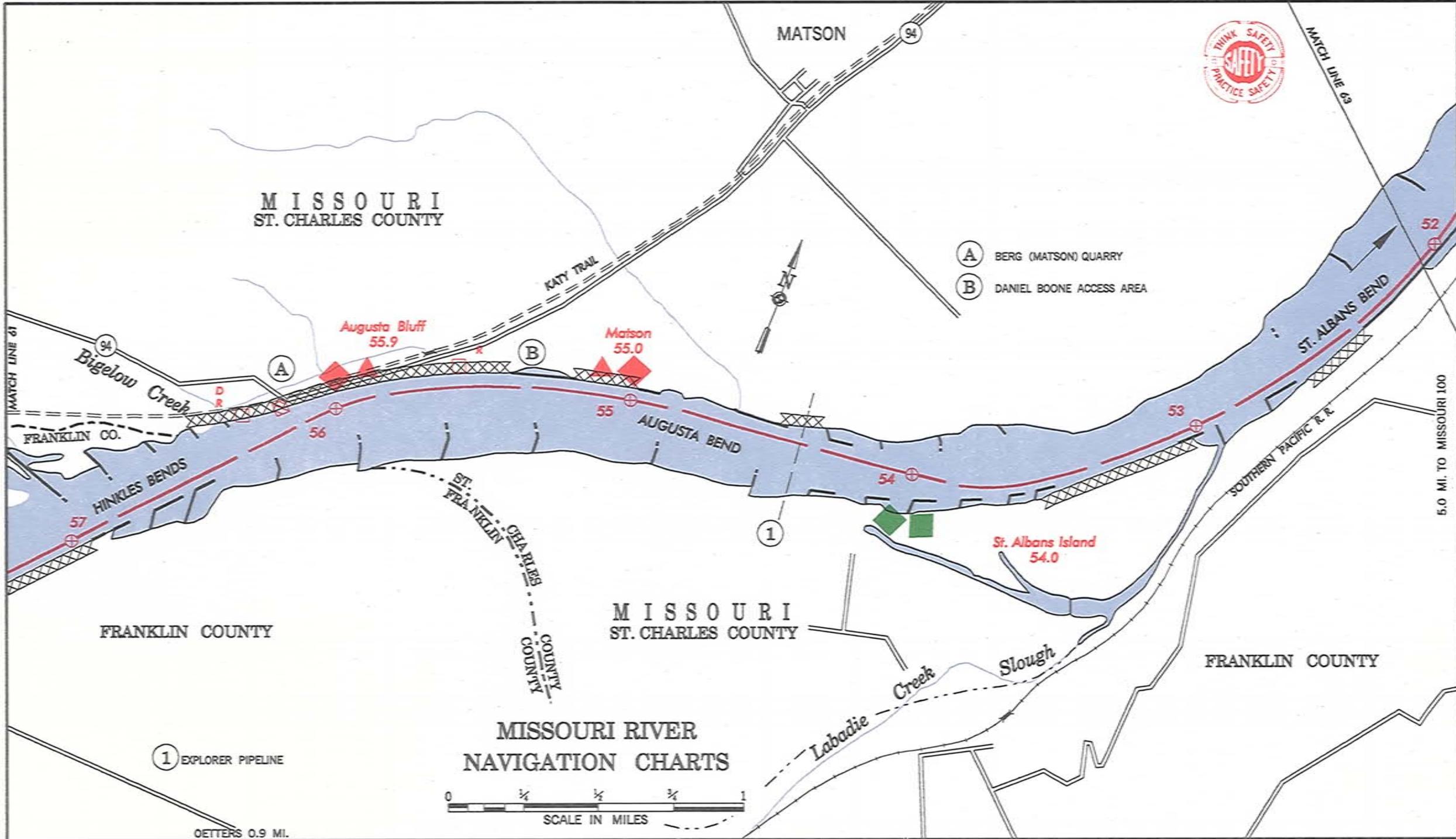
I-44

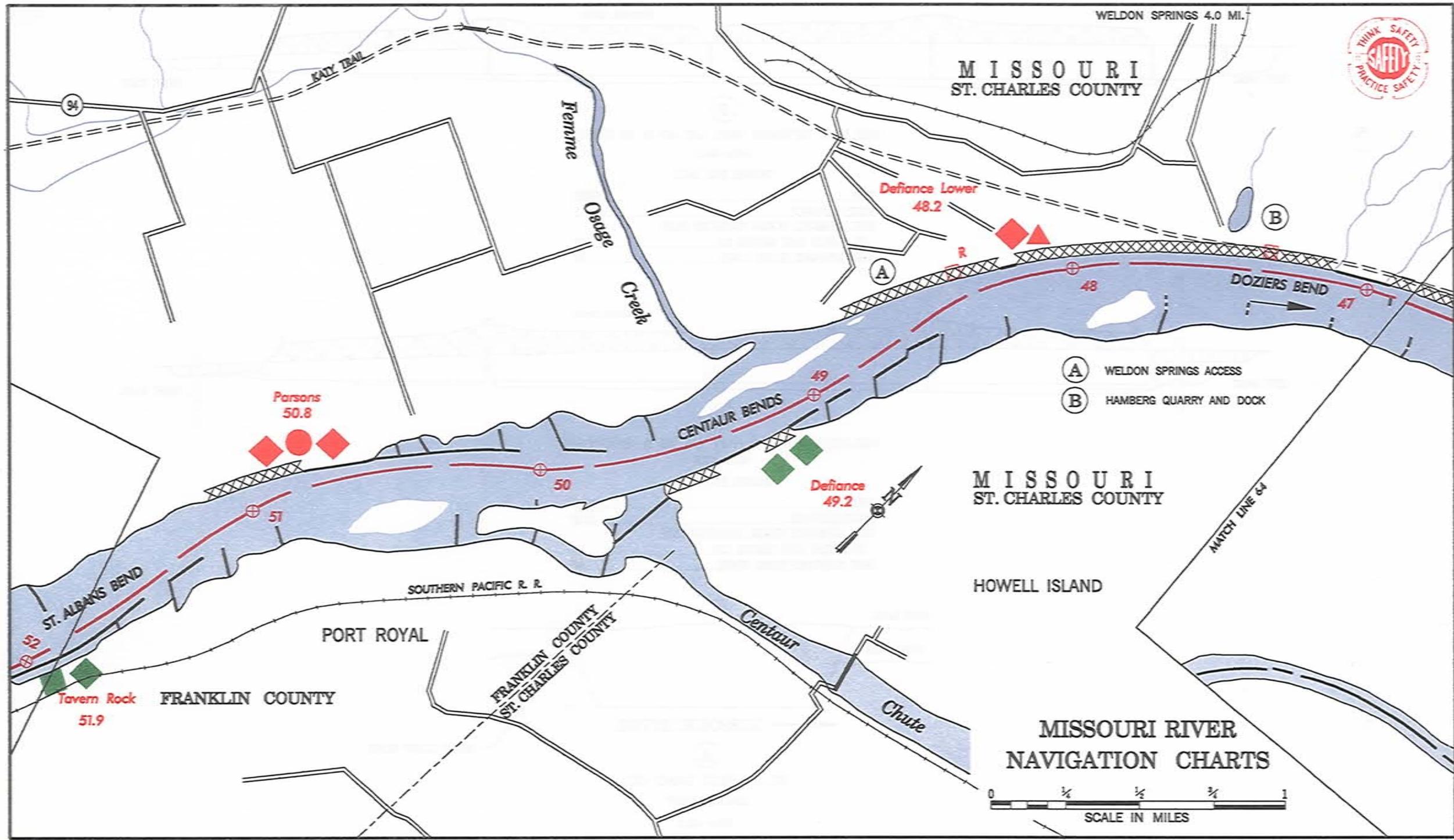
MISSOURI RIVER

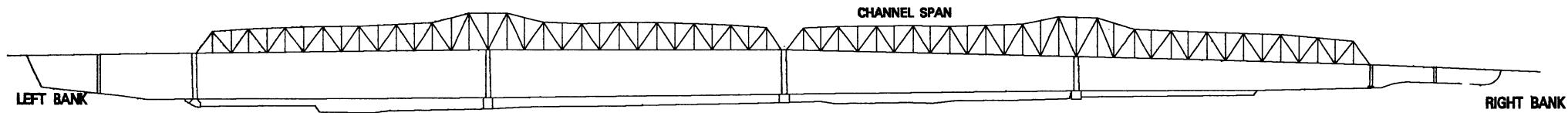
NAVIGATION CHARTS

CHART NO. 60









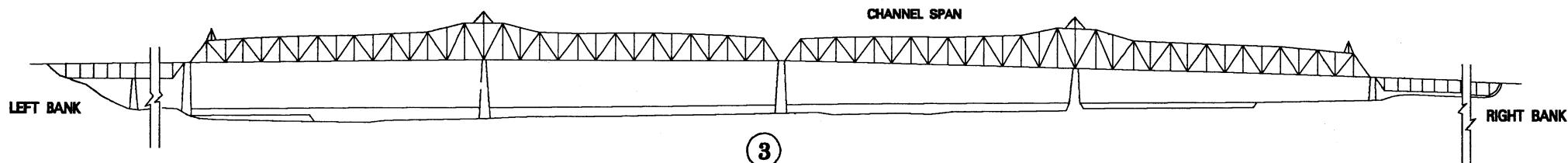
③

WELDON SPRINGS HWY US 40 & 61 BRIDGE

Mile 44.0

CHANNEL SPAN DATA

TYPE	FIXED
HORIZ. CLEARANCE	447.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	
ST. CHARLES GAGE READING 13.0)	66'
VERT. CLEARANCE (FLOOD STAGE)	54'



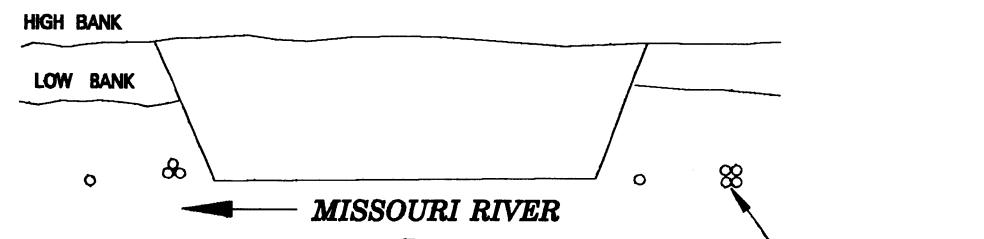
③

WELDON SPRINGS HWY US 40 & 61 BRIDGE

Mile 43.9

CHANNEL SPAN DATA

TYPE	FIXED
HORIZ. CLEARANCE	447.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	
ST. CHARLES GAGE READING 13.0)	66'
VERT. CLEARANCE (FLOOD STAGE)	54'



Ⓐ

ST. CHARLES SAND CO.

LOADING FACILITY

Mile 43.8

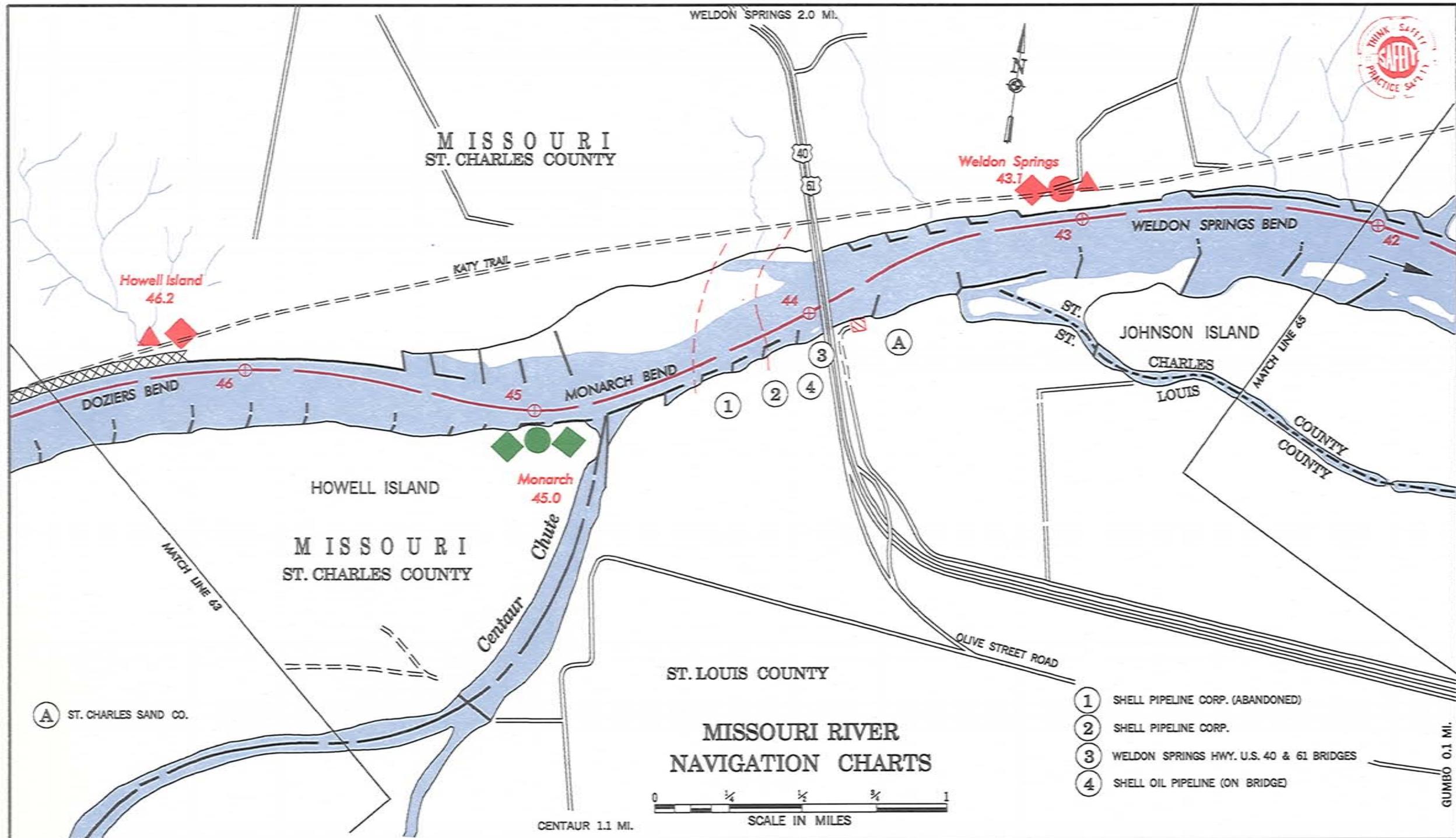
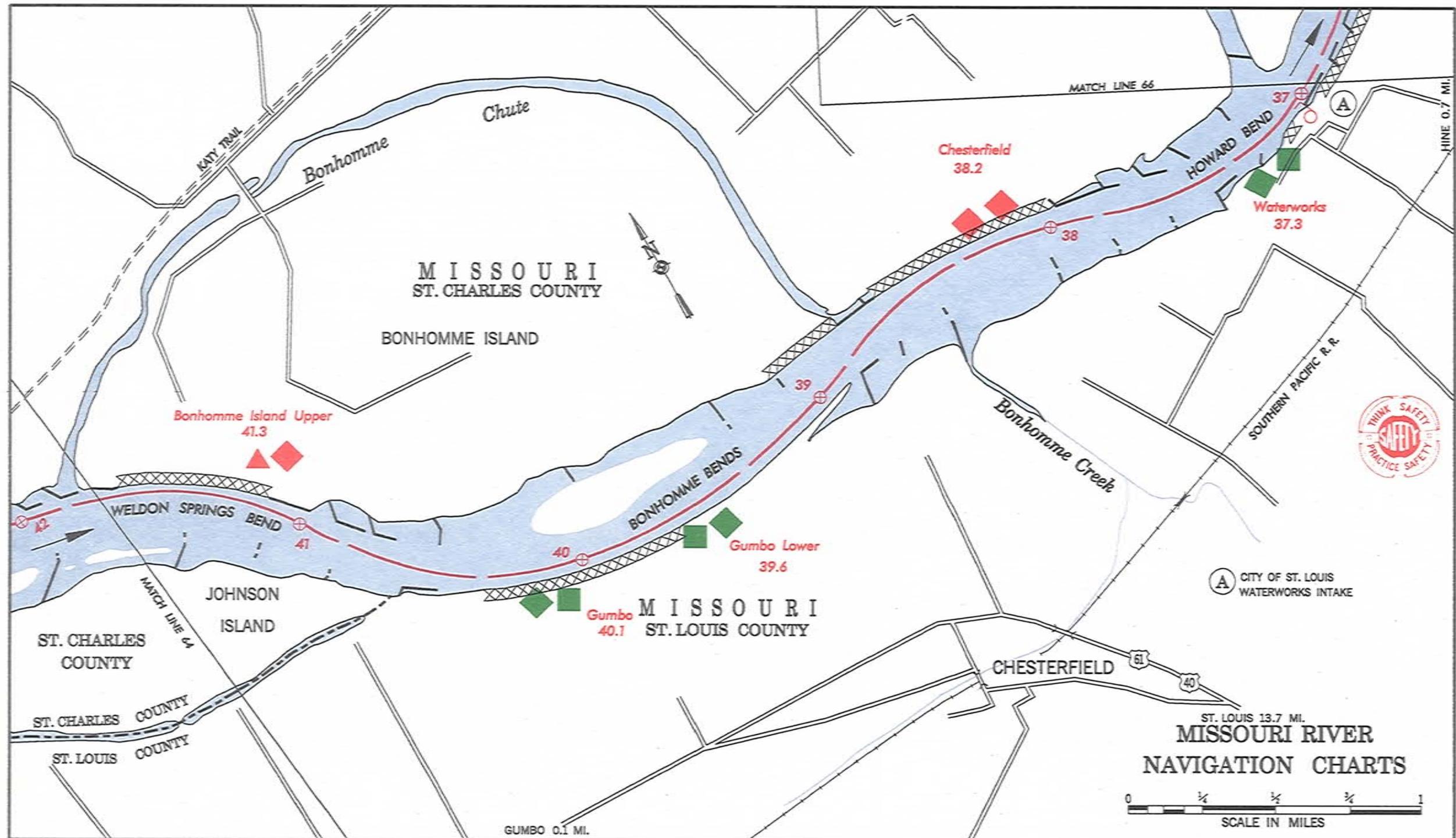


CHART NO. 64



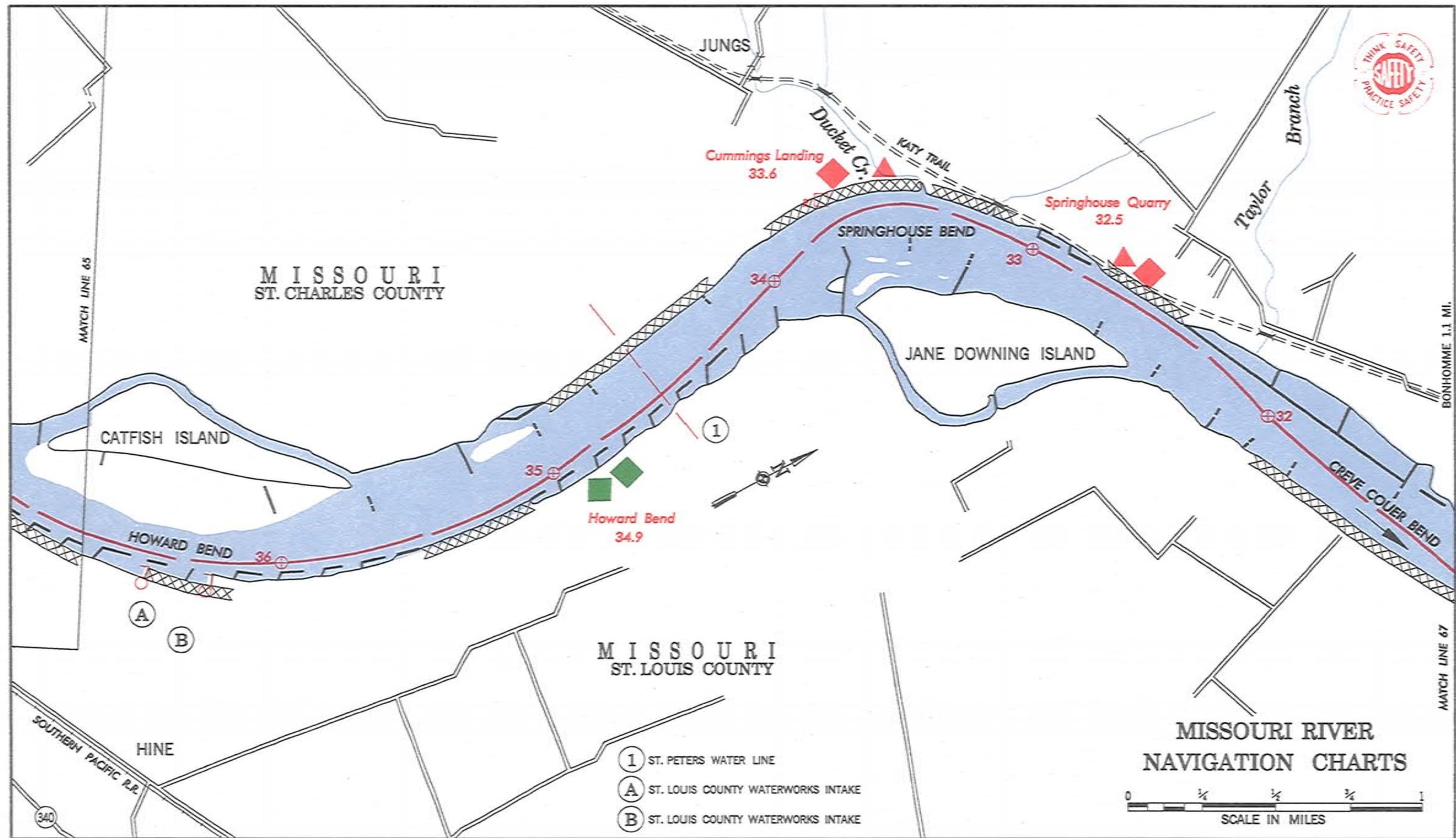
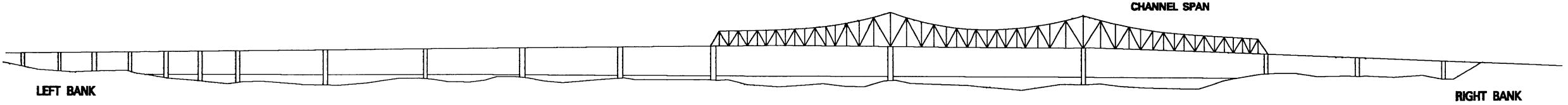


CHART NO. 66



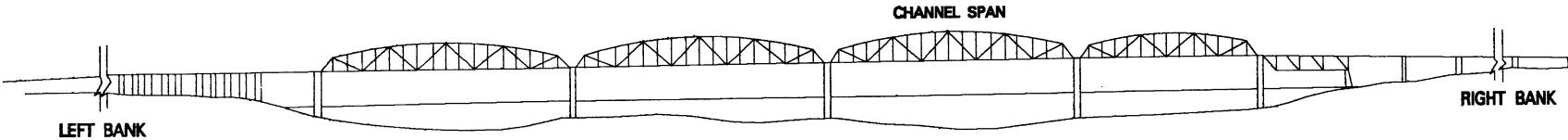
① ②

INTERSTATE 70 AND U. S. 40 BRIDGES

Mile 29.6

CHANNEL SPAN DATA

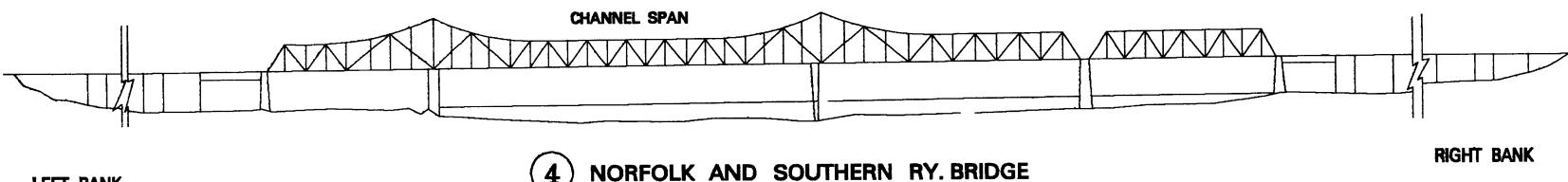
TYPE	-----	FIXED
HORIZ. CLEARANCE	-----	400.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)		
ST. CHARLES GAGE READING 13.0)	-----	66'
VERT. CLEARANCE (FLOOD STAGE)	-----	54'



③ ST. CHARLES (MO. 115) HWY. BRIDGE
Mile 28.2

CHANNEL SPAN DATA

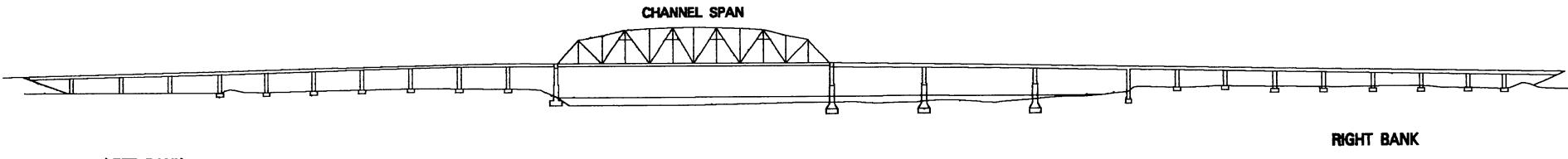
TYPE	FIXED
HORIZ. CLEARANCE	405.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	
ST. CHARLES GAGE READING 13.0)	67'
VERT. CLEARANCE (FLOOD STAGE)	55'



④ NORFOLK AND SOUTHERN RY. BRIDGE
Mile 27.1

CHANNEL SPAN DATA

TYPE	FIXED
HORIZ. CLEARANCE	600.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	
ST. CHARLES GAGE READING 13.0)	68'
VERT. CLEARANCE (FLOOD STAGE)	56'



⑤ PROPOSED NEW MO. 115 HWY BRIDGE
Mile 27.0

CHANNEL SPAN DATA

TYPE	FIXED
HORIZ. CLEARANCE	600.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	
ST. CHARLES GAGE READING 13.0)	68'
VERT. CLEARANCE (FLOOD STAGE)	56'

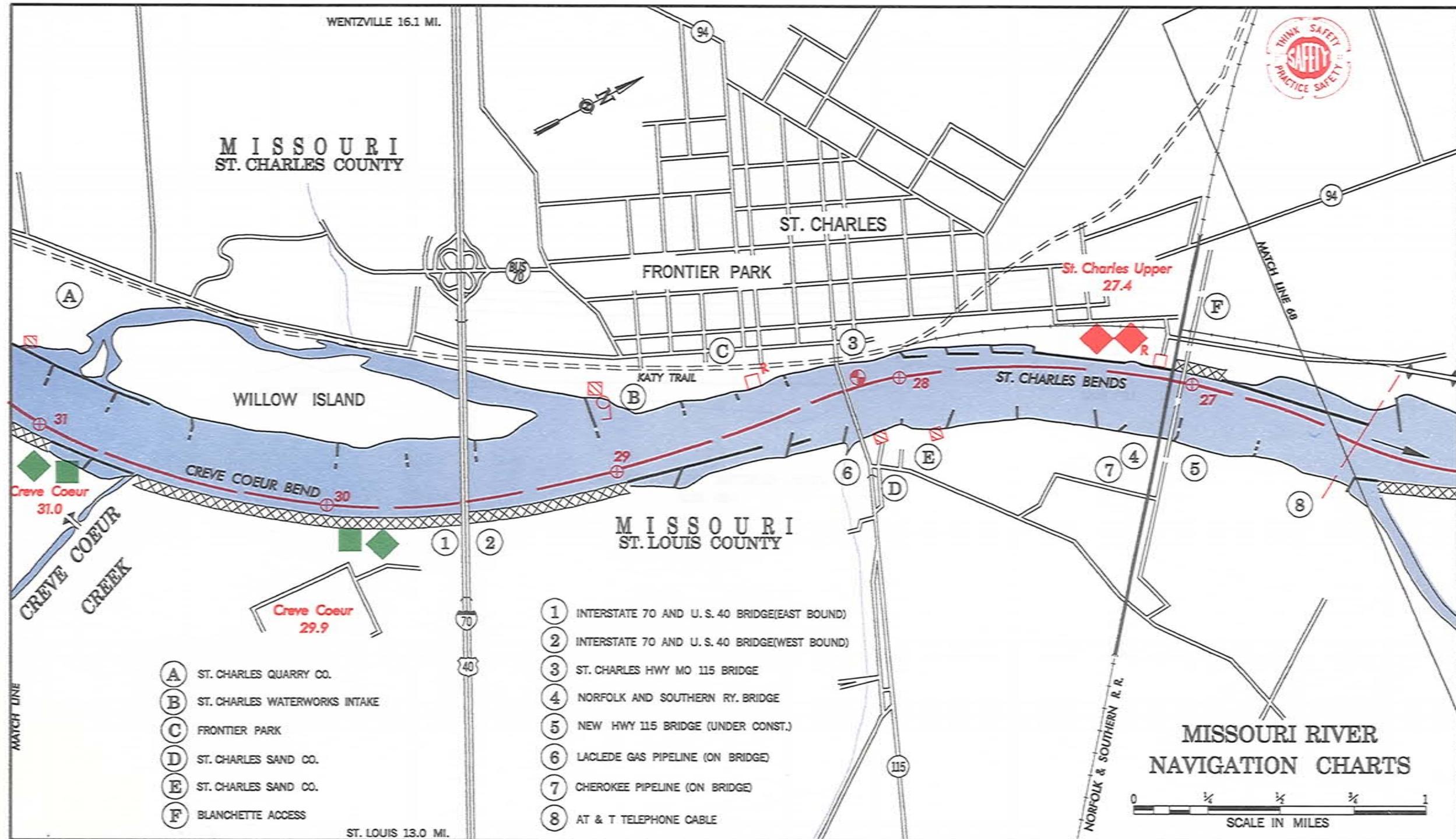
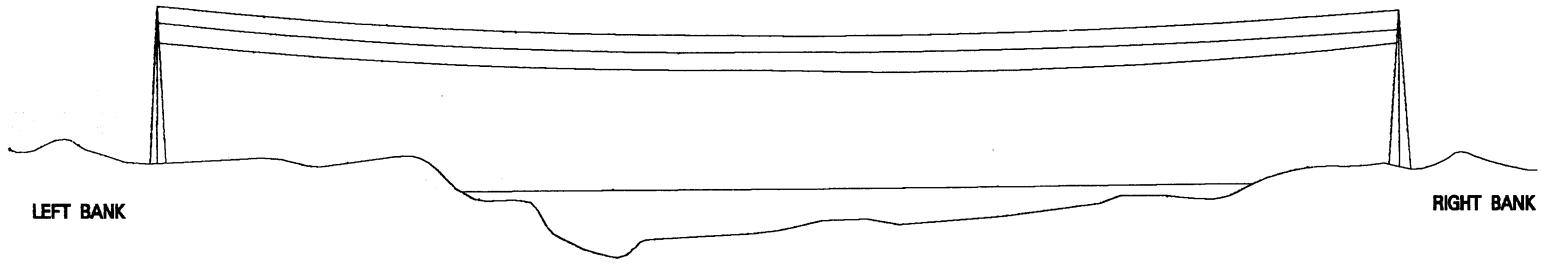
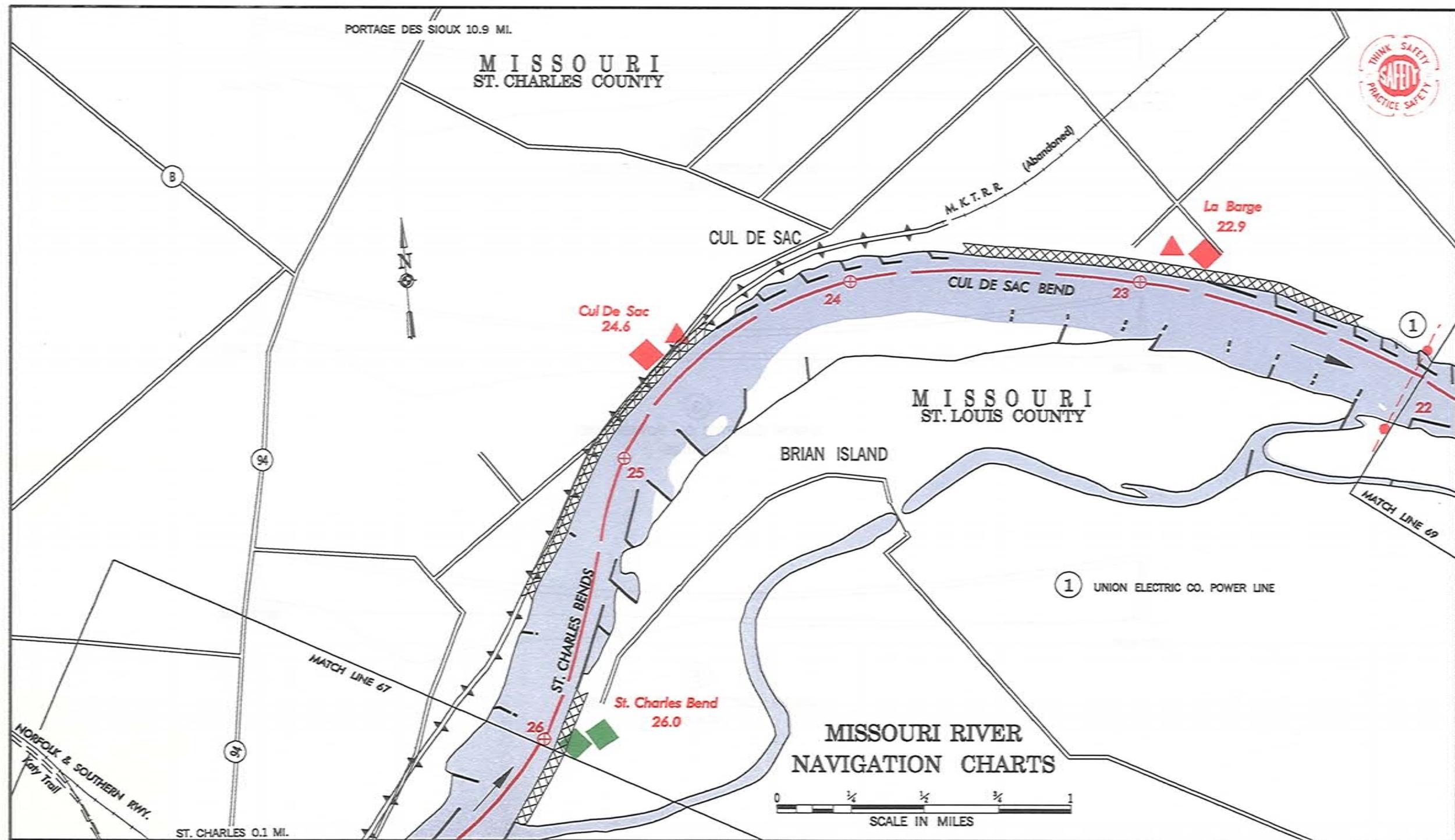


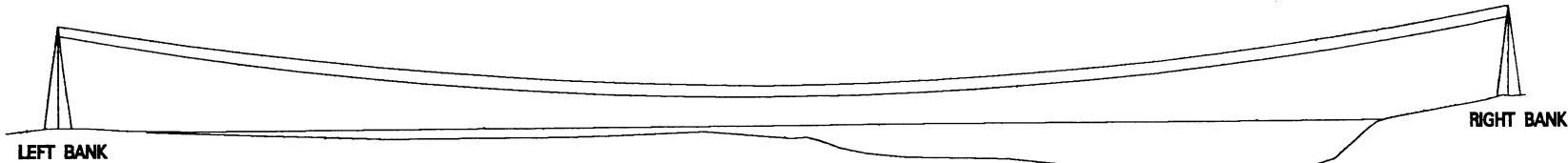
CHART NO. 67



①

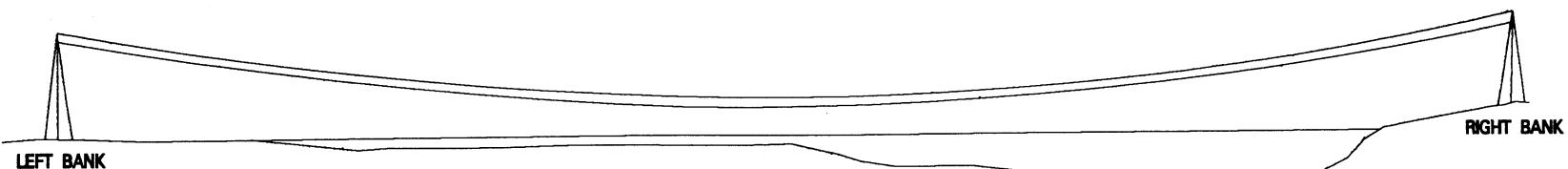
UNION ELECTRIC CO. POWER LINE
Mile 22.2





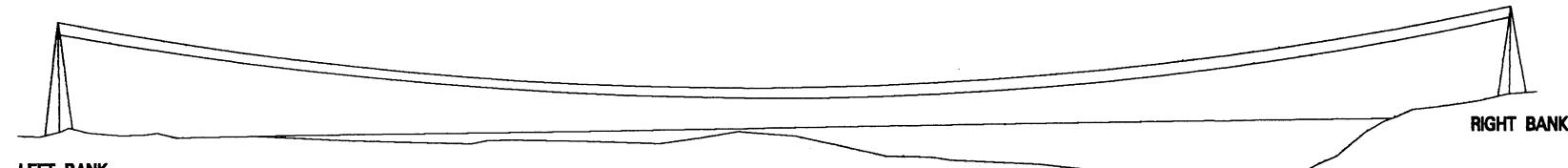
③

UNION ELECTRIC Co. POWER LINE
Mile 19.67



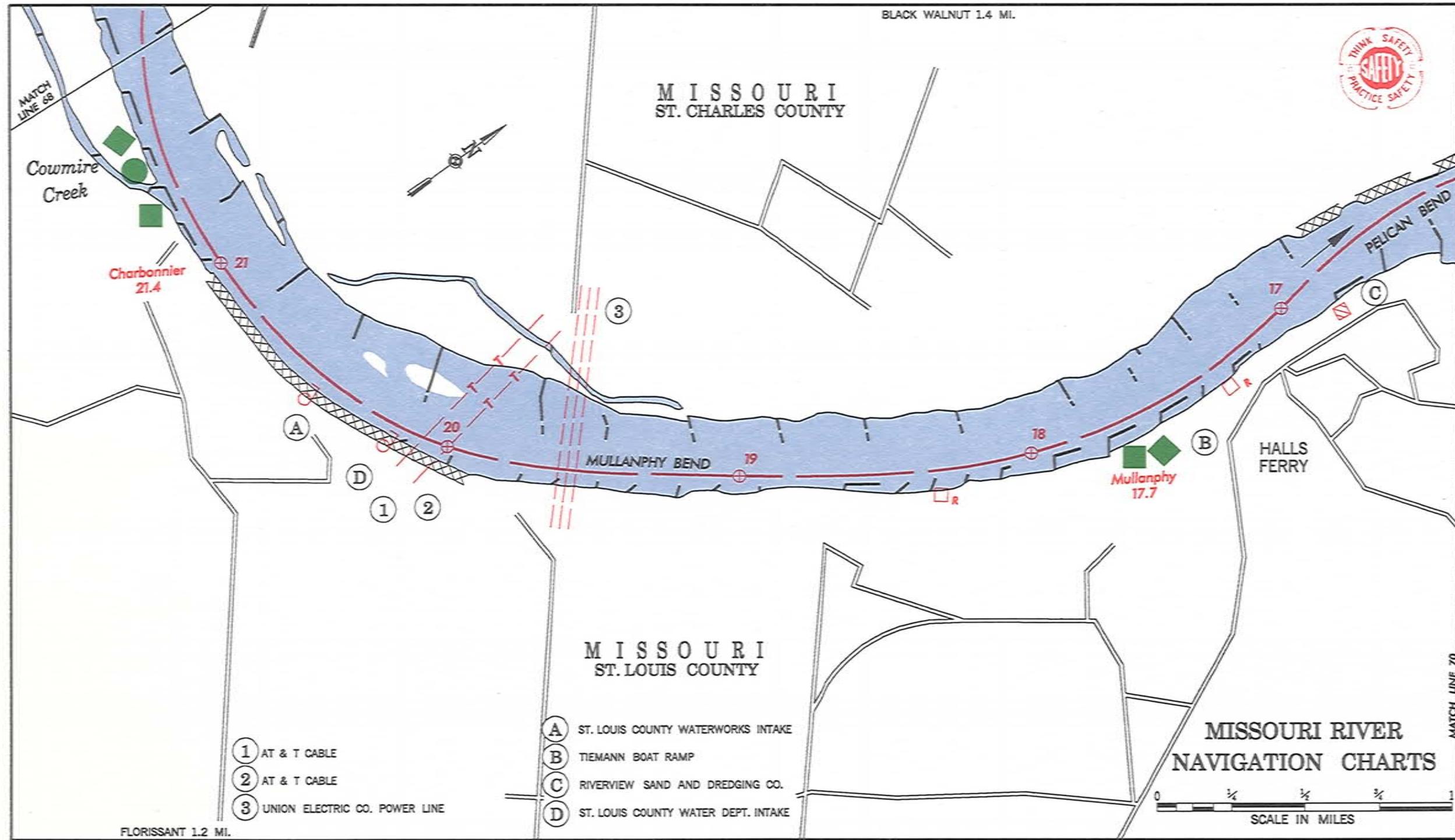
③

UNION ELECTRIC Co. POWER LINE
Mile 19.65



③

UNION ELECTRIC Co. POWER LINE
Mile 19.6



THINK SAFETY
 PRACTICE SAFETY

CHART NO. 69

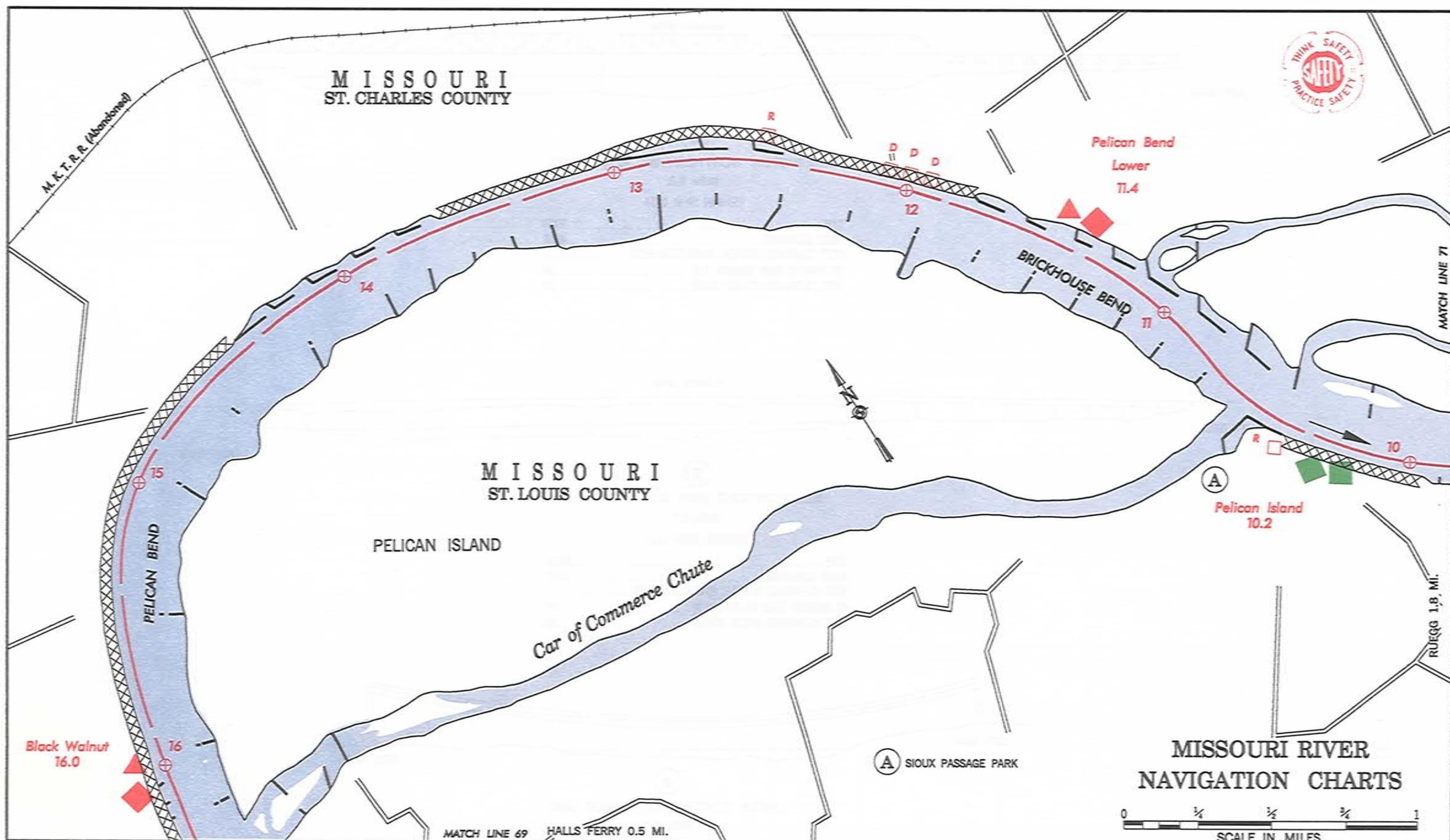


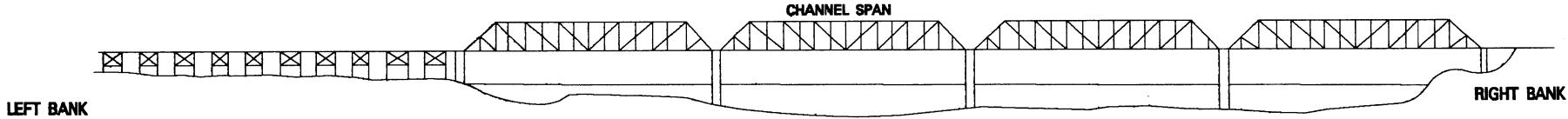
MATCH LINE 77

SCALE IN MILES

CHART NO. 70

MISSOURI RIVER NAVIGATION CHARTS





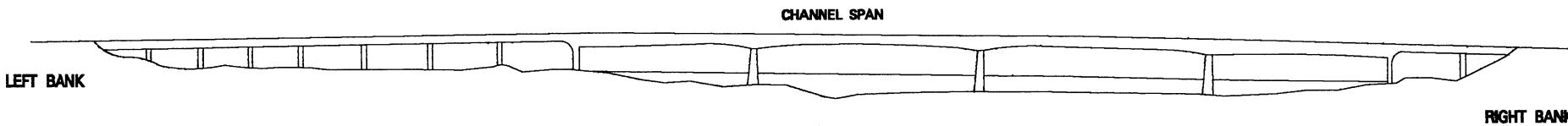
①

BURLINGTON NORTHERN, INC. R. R. BRIDGE

Mile 8.2

CHANNEL SPAN DATA

TYPE	FIXED
HORIZ. CLEARANCE	430.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	
ST. CHARLES GAGE READING 13.0	.88'
VERT. CLEARANCE (FLOOD STAGE)	.57'



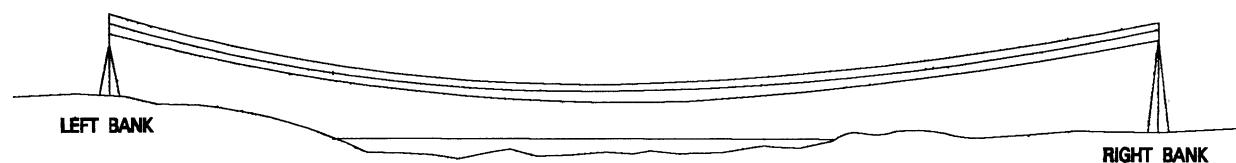
②

BELLEFONTAINE HWY. U.S. 67 BRIDGE

Mile 8.1

CHANNEL SPAN DATA

TYPE	FIXED
HORIZ. CLEARANCE	430.0'
VERT. CLEARANCE (NORMAL NAVIGATION FLOW)	
ST. CHARLES GAGE READING 13.0	.70'
VERT. CLEARANCE (FLOOD STAGE)	.59'



④

UNION ELECTRIC CO. POWER LINE

Mile 6.0

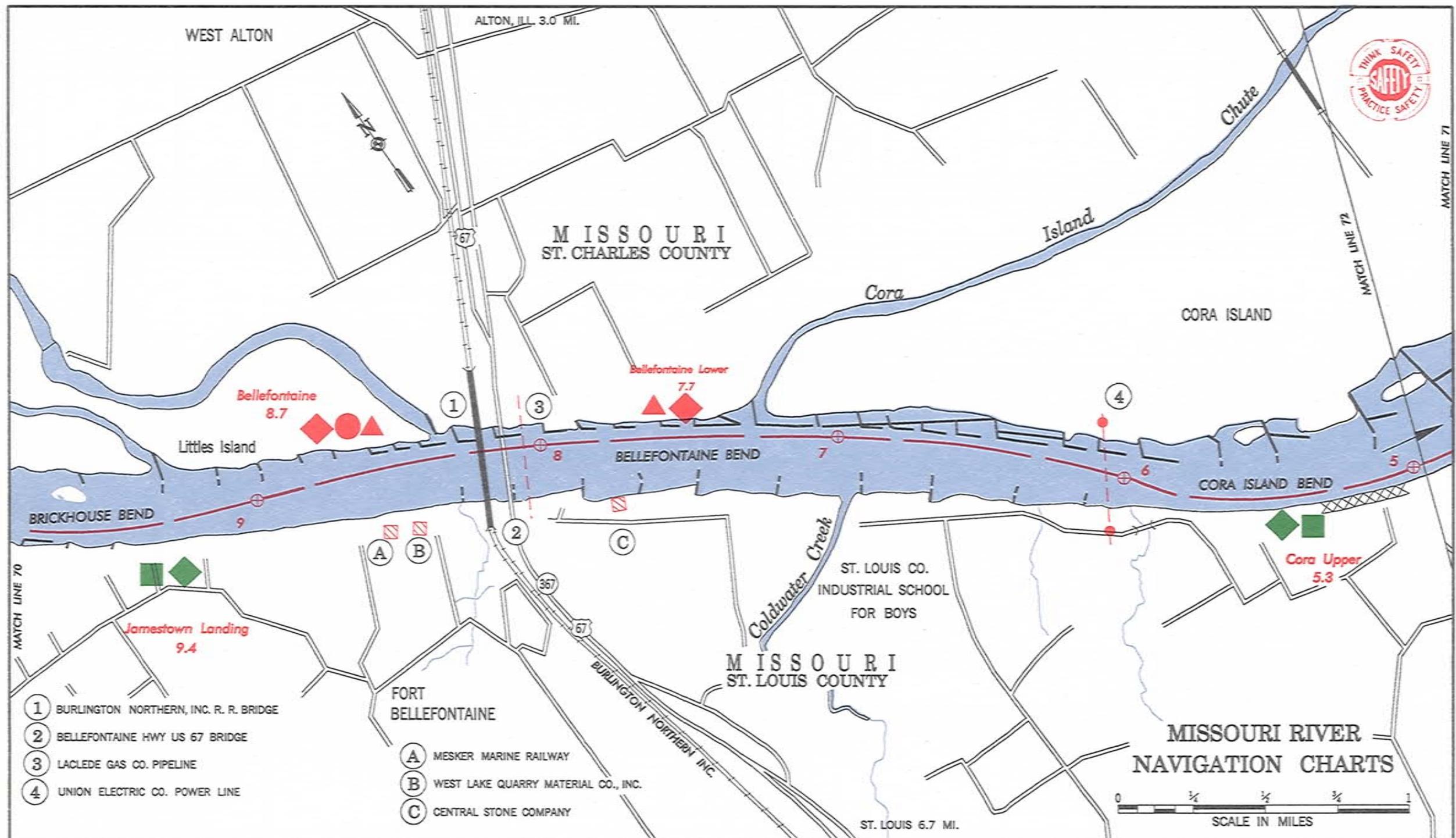


CHART NO. 71

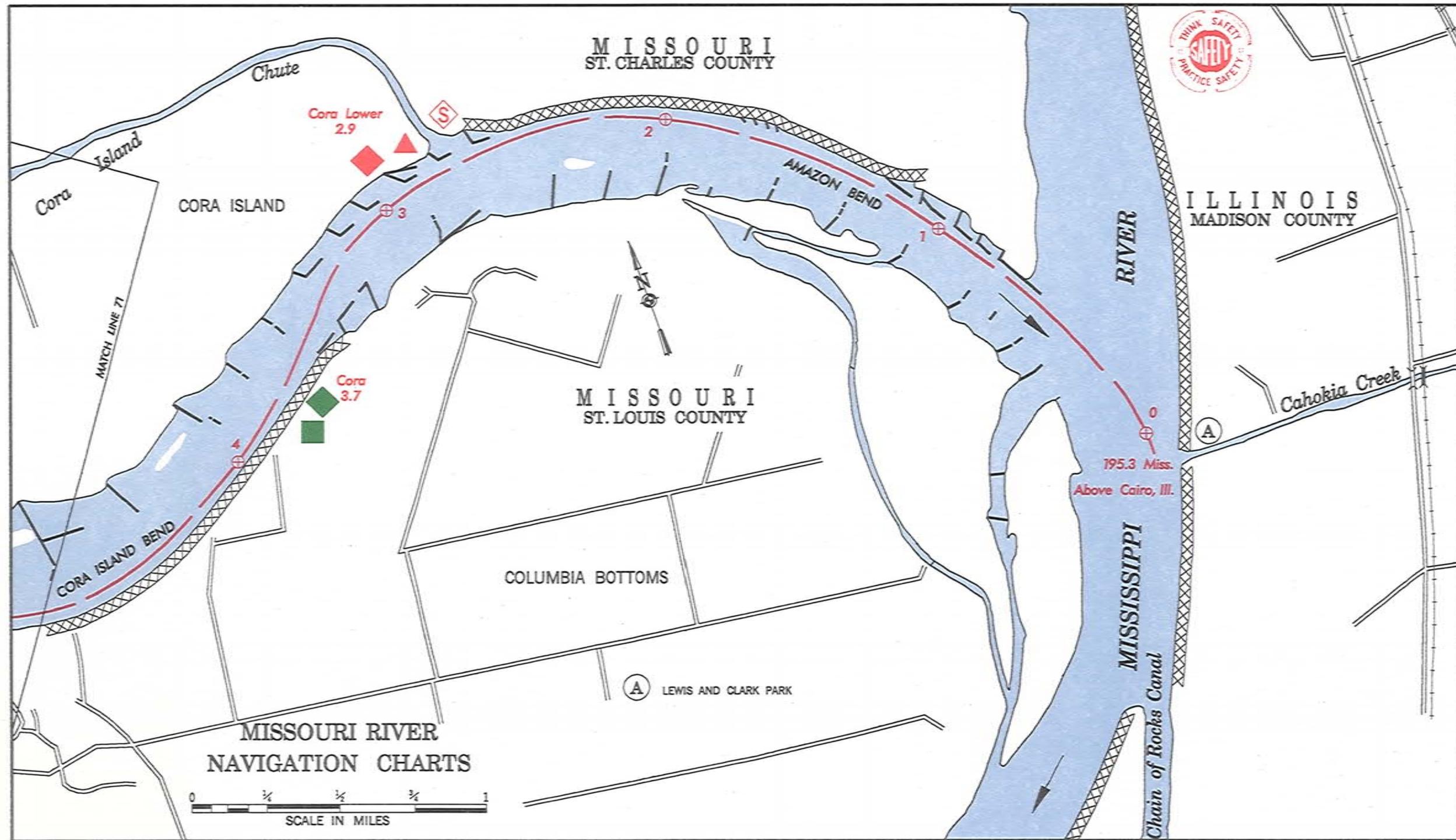


CHART NO. 72