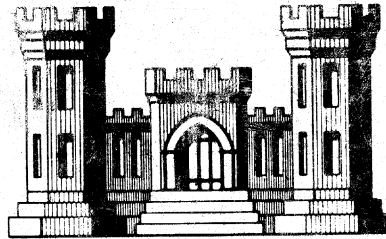


KENTUCKY RIVER

NAVIGATION CHARTS



U. S. ARMY ENGINEER DISTRICT
LOUISVILLE, KY.

JANUARY 1972

PRICE \$1.00

NAVIGATION CHARTS KENTUCKY RIVER LOUISVILLE DISTRICT

GEOTECHNICAL BR.
GEOLOGY Sec.

CORPS OF ENGINEERS, U.S. ARMY
600 FEDERAL PLACE
P.O. BOX 59, LOUISVILLE, KENTUCKY 40201

BRIEF INDEX

GENERAL NOTES AND LEGEND.....	SHEET A
NAVIGATION LOCKS DATA	SHEET B
MAP INDEX TO NAVIGATION CHARTS.....	SHEET C
INFORMATION OF OTHER AUTHORITIES.....	SHEET D
NAVIGATION CHARTS	NOS. 1 TO 37C INCL.

REVISED 1 JAN. 1972

THESE CHARTS INCLUDE KNOWN NAVIGATIONAL FEATURES, AVAILABLE DATA AND INFORMATION AS OF THE DATE SHOWN ABOVE. MAJOR CHANGES WHICH OCCUR WILL BE PUBLISHED IN "NOTICES TO NAVIGATION INTERESTS". REVISION OF THE CHARTS IS ANTICIPATED AT THREE YEAR INTERVALS. ANY INFORMATION CONCERNING CHANGES, CORRECTIONS, OR ADDITIONS TO THIS FOLIO SHOULD BE ADDRESSED TO THE DISTRICT ENGINEER, ATTN: ORLOP-AN.

NAVIGATION CHARTS for the Kentucky River are available from the District Engineer, U.S. Army Engineer District, Louisville. Mail orders may be addressed to the District Engineer, ATTN: ORLAS-GE and should be accompanied by check or money order made payable to the "Treasurer of the United States."












INFORMATION ABOUT THE CHARTS: These navigation charts were developed from U.S. Geological Survey maps current in 1966. However, the width of the river is shown distorted to approximately twice its actual width for convenience in including certain details. Limits of project depth of 6.0 feet are not shown except that approximate limits are shown for known bars and shoals. The indicated sailing list is based on available information. Mile points are shown on the charts at approximately one-mile intervals. Some slight inaccuracies in mileage exist due to a necessary adjustment of the points to agree with those on previous charts, to which many existing records and navigational features are related. Numbers at five-mile intervals designate river mileage above the mouth of the river. Cities and towns on or near the river are only partially shown on the charts. Elevations are referred to Kentucky River datum and require variable corrections for conversion to USC and GS 1929 General Adjustment Elevations. Elevation drawings are shown for bridges over the river from its mouth to Frankfort. Clearance data for other bridges and aerial crossings, included with the identifying footnote for each, are referred to normal pool elevations.

NAVIGATION IMPROVEMENTS: The Kentucky River has been improved for navigation by means of a system of fourteen locks and fixed dams. Maximum flood elevations and basic lock data, including controlling dimensions, are tabulated on Sheet B. Each lock has an operating force of two employees. Pleasure craft lockages are performed only between the hours of 7:00 AM and 8:00 PM, EST (8:00 AM and 9:00 PM, EDST, when in effect). The river is navigable throughout the year except during periods of abnormally high water. Operation of the locks is suspended when the river stage is approximately one foot below the tops of the lock walls. Navigation may pass over the crests of the fixed dams during high water periods when the depths of water over the dam crests permit. The District Office, Lock and Dam Branch, should be contacted for information on navigation conditions during high water periods. Phone: (Area Code 502) 582-5613 4, or 5.

NAVIGABILITY: The Kentucky River Navigation Project provides for a 6.0 foot project depth to the upper limit of the project at mile 254.8. It also results in beneficial slack water extending to the head of the main stream and for a few miles up each of the three forks. The other tributaries have not been improved and no reliable information is available as to their channel conditions. The channel in the Kentucky River is frequently constricted, particularly at or below the mouths of tributary streams. The channel and lock approaches between the mouth and Frankfort are maintained to provide an adequate passage for commercial navigation. Between Frankfort and Beattyville such work is limited to that required for passage of pleasure craft. Although a large number of snags are removed from the river each year, many more cannot be removed from areas outside the channel.

NOTICES TO NAVIGATION INTERESTS containing information concerning hazards, obstructions, construction work, interruptions to navigation such as closing of locks for repairs, etc., are published as occasions demand. Names of interested persons or concerns will be added to the mailing list on written request to the District Engineer, ATTN: ORLOP-AN. Persons aware of unusual hazards or obstructions, or other situations or circumstances appropriate for publication in such a Notice are requested to contact the District Office, Navigation and Projects Branch. Phone (Area Code 502) 582-5607 or 8. Matters of immediate concern should be reported to the Lockmaster or the Lock Operator on duty at the nearest lock and dam.

LEGEND

Waters edge at pool stage	
Bar with less than project depth (6.0') at pool Stage	
(a)  Rock	
(b)  Sand	
Aerial Power Crossing	
Aerial Telephone Crossing	
Submarine Crossing	
Intake	
Discharge	
Terminal or Commercial Dock	
Pleasure Craft Facility (Launching Ramp, Marina, Restaurant, Dock etc.)	

GEOTECHNICAL BR.
GEOLOGY Sec.

GENERAL NOTES AND LEGEND

NAVIGATION CHARTS
KENTUCKY RIVER
LOUISVILLE DISTRICT

U. S. ARMY ENGINEER DISTRICT, LOUISVILLE

	LOCK NO.													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
MILES ABOVE MOUTH	4.0	31.0	42.0	65.0	82.2	96.2	117.0	139.9	157.5	176.4	201.0	220.9	239.9	249.0
LENGTH OF POOL ABOVE DAM (MI.)	27.0	11.0	23.0	17.2	14.0	20.8	22.9	17.6	18.9	24.6	19.9	19.0	9.1	-
DATE BUILT	1836-42	1836-42	1836-42	1836-42	1836-42	1888-91	1896-97	1898-1900	1901-03	1902-05	1904-06	1907-10	1909-15	1911-17
DATE PUT IN OPERATION	1839	1839	1840	1840	1842	1891	1897	1900	1903	1905	1906	1910	1914	1917
DATE RESTORED	1882	1882	1882	1882	1886	-	-	-	¹ 1906	¹ 1906	-	-	-	-
CHAMBER DIMENSIONS (FT.)	<u>38x145</u>	<u>38x145</u>	<u>38x145</u>	<u>38x145</u>	<u>38x145</u>	52x147	52x147	52x146	52x148	52x148	52x148	52x148	52x148	52x148
LOWER SILL, ELEV.	407.00	423.87	437.47	449.75	463.86	478.90	492.42	508.60	526.60	544.60	561.60	579.60	596.60	614.60
NORMAL POOL ELEV., LOWER	421.80	430.03	443.97	457.13	470.35	485.35	449.30	514.60	533.26	550.60	567.60	585.60	602.60	620.60
* LOWER SILL DEPTH (FT.)	14.80	6.16	6.50	7.38	6.49	6.45	6.88	<u>6.00</u>	6.66	<u>6.00</u>	<u>6.00</u>	<u>6.00</u>	<u>6.00</u>	<u>6.00</u>
UPPER SILL, ELEV.	421.80	436.37	448.52	463.95	² 475.35	489.90	505.44	522.60	540.60	558.60	575.60	593.00	611.00	629.00
NORMAL POOL ELEV., UPPER	430.03	443.97	457.13	470.35	485.35	499.30	514.60	533.26	550.60	567.60	585.60	602.60	620.60	637.60
* UPPER SILL DEPTH (FT.)	8.23	7.60	8.61	6.40	³ 10.00	9.40	9.16	10.66	10.00	9.00	10.00	9.60	9.60	8.60
LIFT - NORMAL POOL TO NORMAL POOL (FT.)	8.23	13.94	13.16	13.22	15.00	13.95	15.30	18.66	17.34	17.00	18.00	17.00	18.00	17.00
MAXIMUM HIGH WATER ELEVATION	482.10	493.22	498.32	511.40	522.95	533.20	547.60	563.70	580.70	593.70	614.80	632.25	654.00	664.60
DEPTH (FT.) M.H.W. ABOVE NORMAL UPPER POOL ELEV.	52.07	49.25	41.19	41.05	37.60	33.90	33.00	30.44	30.10	26.10	29.20	29.65	33.40	27.00
DATE OF HIGH WATER	1937	1937	1937	1937	1937	1937	1937	1937	1913	1913	1913	1939	1929	1939

* DEPTH AT NORMAL POOL

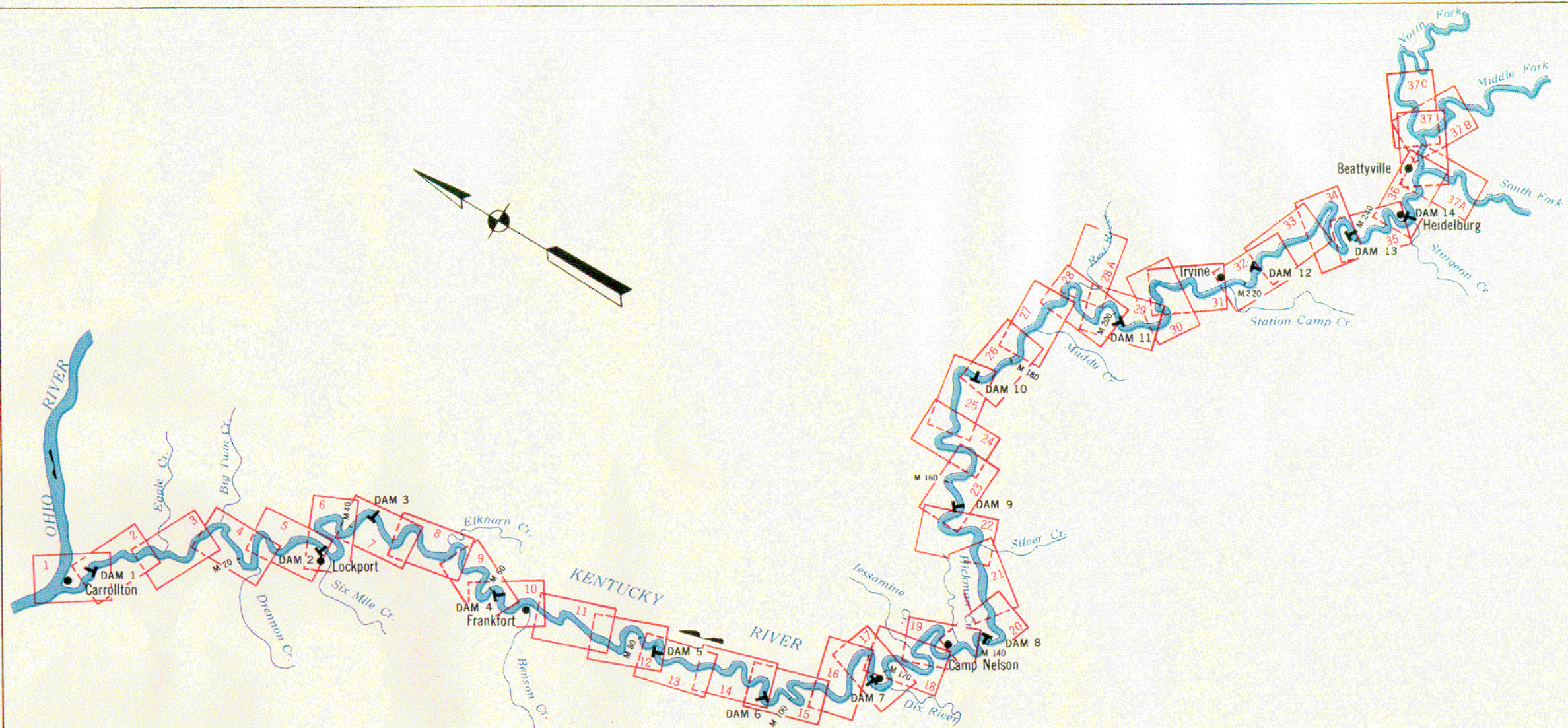
NOTES:

All elevations are referred to Kentucky River Datum and require variable corrections for conversion to U.S.C. & G.S. 1929 General Adjustment Elevations.
Controlling dimensions of Locks are underlined.

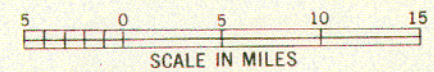
1. BANK WASHED OUT BEHIND LOCKWALL IN MAR. 1905. AUXILIARY DAM ADDED.
2. ZEROES OF ALL GAGES ARE AT SILL ELEVATIONS EXCEPT LOCK 5. ZERO UPPER GAGE = EL. 475.55
3. UPPER GAGE, LOCK 5 READS 9.80' AT NORMAL POOL STAGE.

NAVIGATION LOCKS DATA

NAVIGATION CHARTS
KENTUCKY RIVER
LOUISVILLE DISTRICT
SHEET B



MAP INDEX
NAVIGATION CHARTS
KENTUCKY RIVER
LOUISVILLE DISTRICT



U. S. ARMY ENGINEER DISTRICT, LOUISVILLE

U. S. COAST GUARD INFORMATION:

JURISDICTION: The Officer-In-Charge, Marine Inspection, Louisville, exercises jurisdiction over the Kentucky River and its tributaries to the limits indicated below:

<u>STREAM:</u>	<u>MOUTH AT:</u>	<u>LIMIT ABOVE MOUTH:</u>
Kentucky River	Mile 545.9, Ohio River	Mile 258.6
North Fork, Kentucky River	Mile 258.6, Kentucky River	Mile 3.5
Middle Fork, Kentucky River	Mile 258.6, Kentucky River	Mile 4.7
South Fork, Kentucky River	Mile 254.7, Kentucky River	Mile 4.0
Red River	Mile 190.3, Kentucky River	Mile 5.5

MARINE INSPECTION: Report Of (commercial) Vessel Casualty or Accident, Report of Personal Injury Or Loss Of Life, and Boating Accident Report (involving documented vessel) should be made to:

Officer-In-Charge, Marine Inspection	<u>TELEPHONE:</u> (Area 502) 582-5194
U. S. Coast Guard	Nights, holidays, or weekends, telephone
Room 360-A, Federal Building	C. G. Station, Louisville: 582-5808.
600 Federal Place	
Louisville, Kentucky 40202	

AIDS TO NAVIGATION: The Coast Guard does not maintain any aids to navigation on the Kentucky River nor its tributaries. Navigation lights on bridges are privately maintained by the owners. Outages or irregularities of bridge lights should be reported to the owners, or to either of the following:

Commander, Coast Guard Group Office	Commander, Second Coast Guard District
2nd and River Road	1520 Market Street
Louisville, Kentucky 40202	St. Louis, Missouri 63103
PHONE: (502) 582-5808.	PHONE: (314) 622-4605.

PUBLICATIONS: The following Coast Guard publications of interest to navigators and pleasure craft operators are available as indicated:

RULES OF THE ROAD, WESTERN RIVERS, CG-184; rules and regulations for uninspected vessels, CG-258; available at no cost from Commander, Second Coast Guard District, or from any Officer-In-Charge, Marine Inspection.
OFFICIAL U. S. COAST GUARD RECREATIONAL BOATING GUIDE, CG-340; price 45¢ per copy; available from Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402.

COMMONWEALTH OF KENTUCKY INFORMATION:

In matters of recreational boating, the Commonwealth of Kentucky exercises concurrent jurisdiction with the U. S. Coast Guard over the “Federal waters” listed above. Kentucky exercises sole jurisdiction over “State waters”.

INFORMATION OF OTHER AUTHORITIES

NAVIGATION CHARTS
KENTUCKY RIVER
LOUISVILLE DISTRICT
SHEET D

MATCH CHART NO. 18

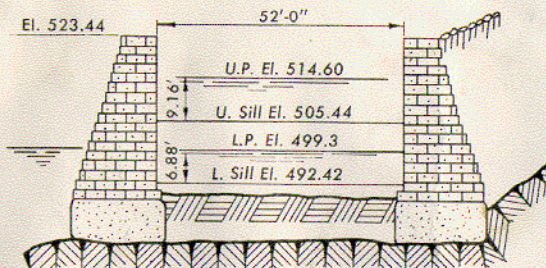
- (A) P. & S. Barge Co. Terminal
- (B) Wilmore (and Ashbury College)
- (C) Harrodsburg Municipal Intake
- (D) Launching Ramp
- (E) Launching Ramp

- (6) (4) (2) (1) Aerial Power Crossing
- (3) Aerial Telephone Crossing
- (5) Cincinnati Southern Ry. Co. Bridge (Vert. Clear 160.7')

JESSAMINE COUNTY

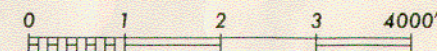
GARRARD COUNTY

MERCER COUNTY



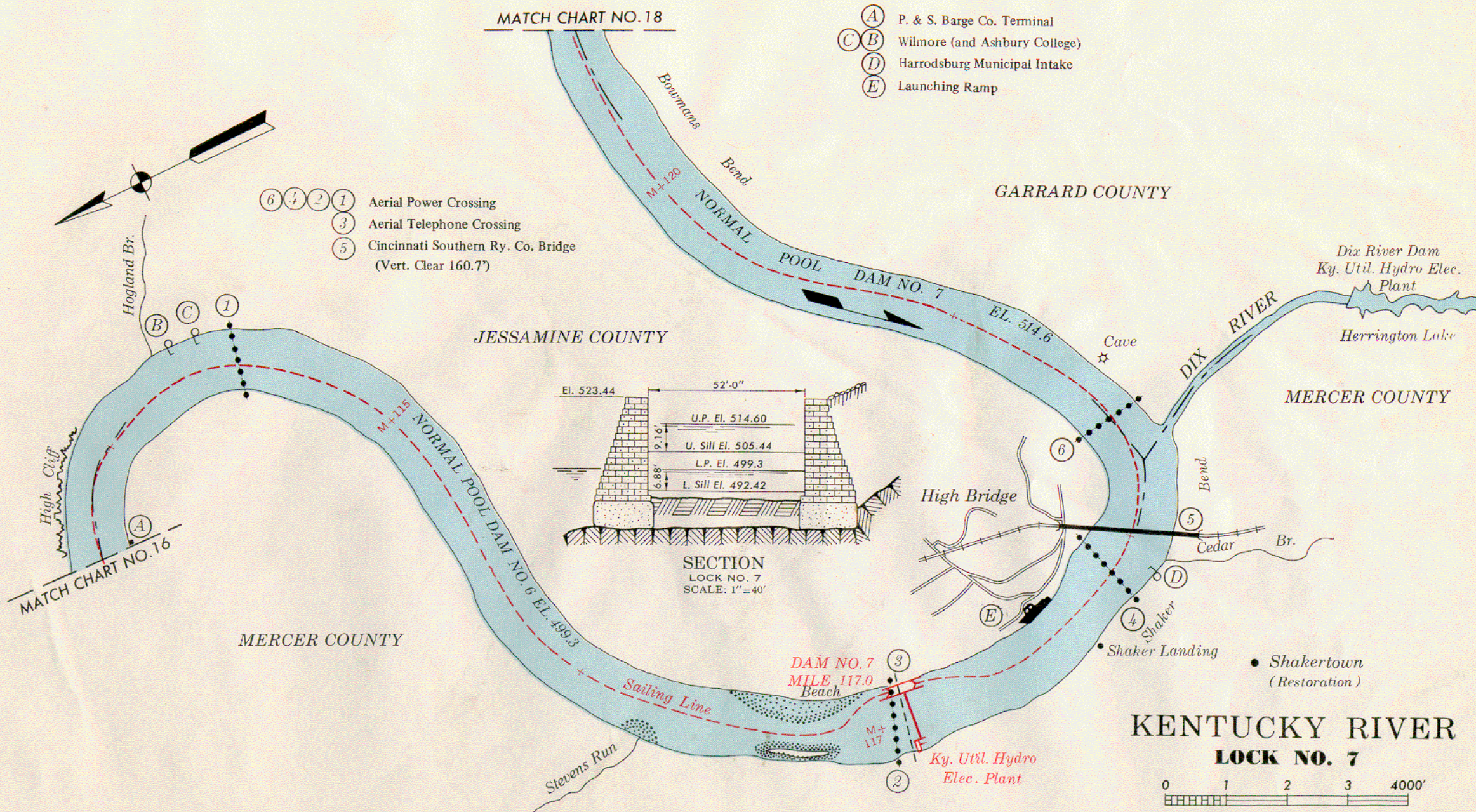
SECTION
LOCK NO. 7
SCALE: 1" = 40'

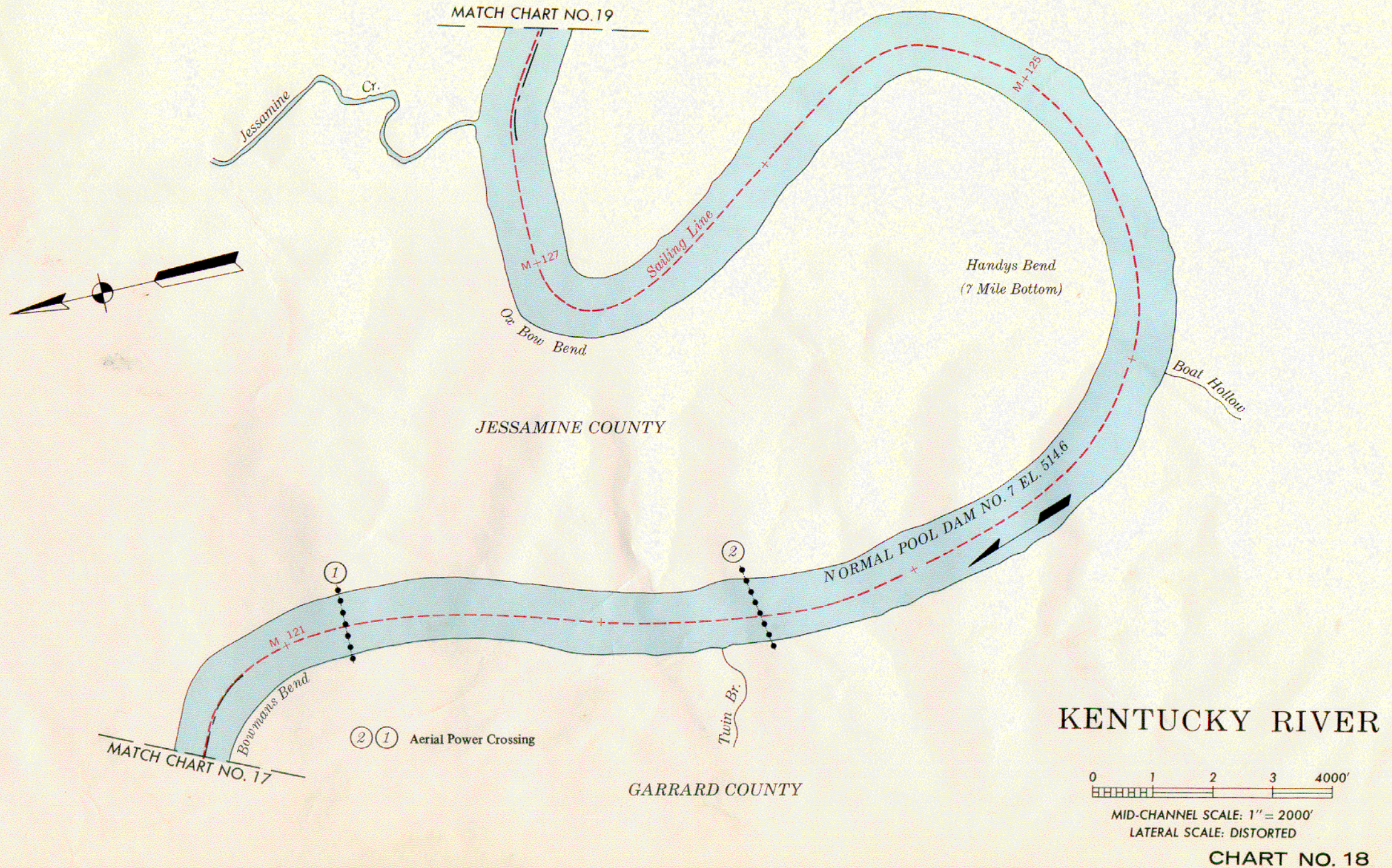
KENTUCKY RIVER
LOCK NO. 7

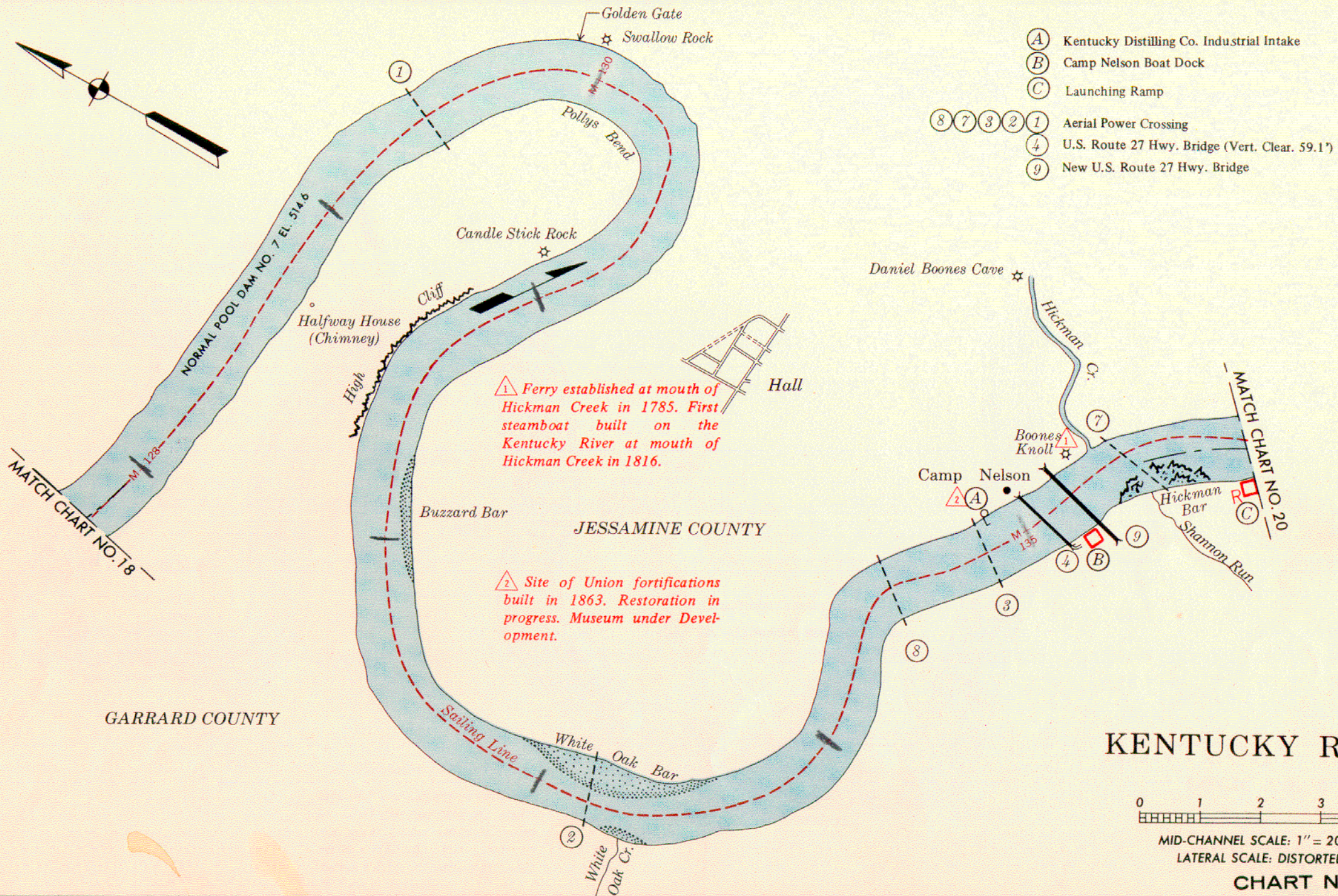


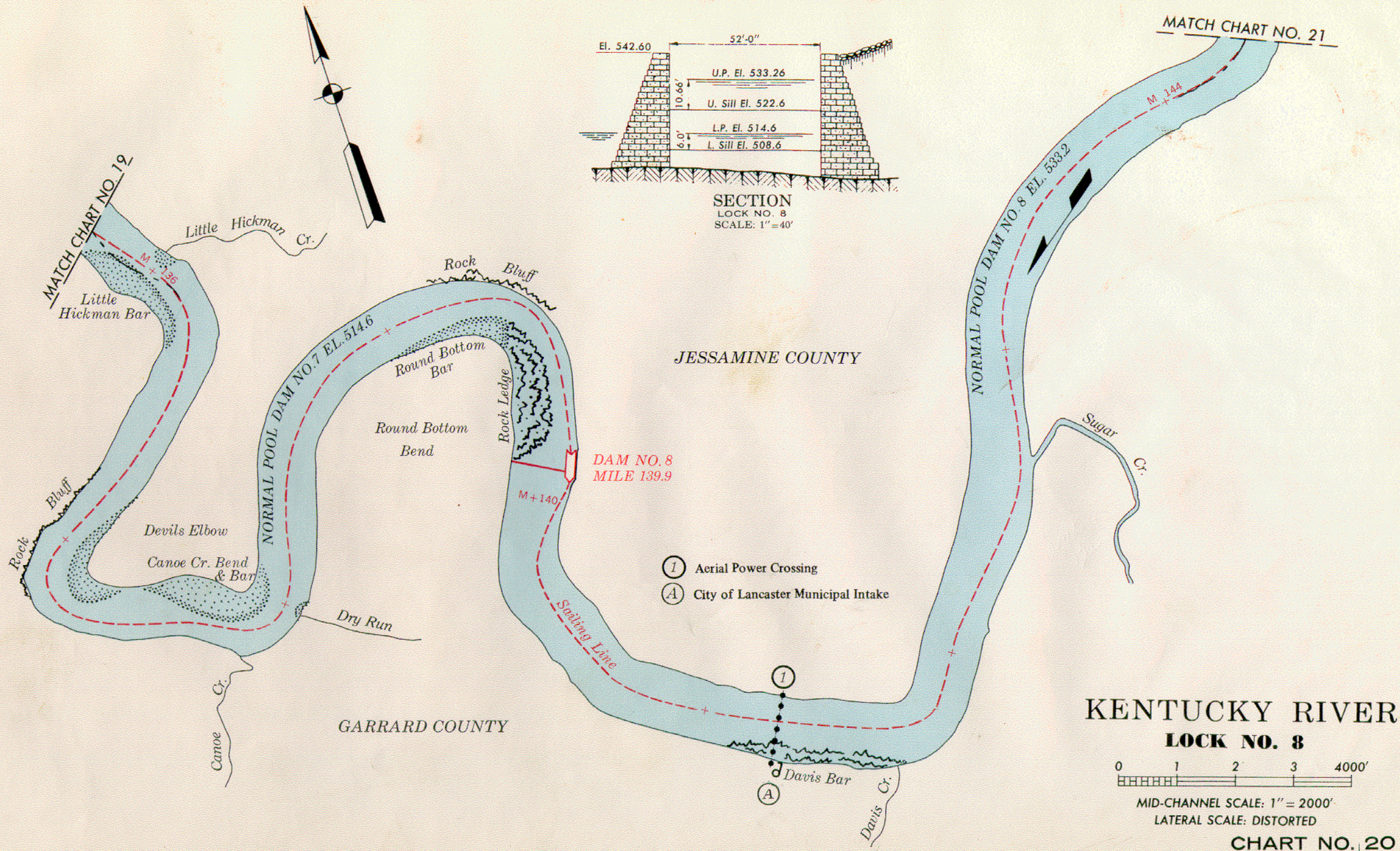
MID-CHANNEL SCALE: 1" = 2000'
LATERAL SCALE: DISTORTED

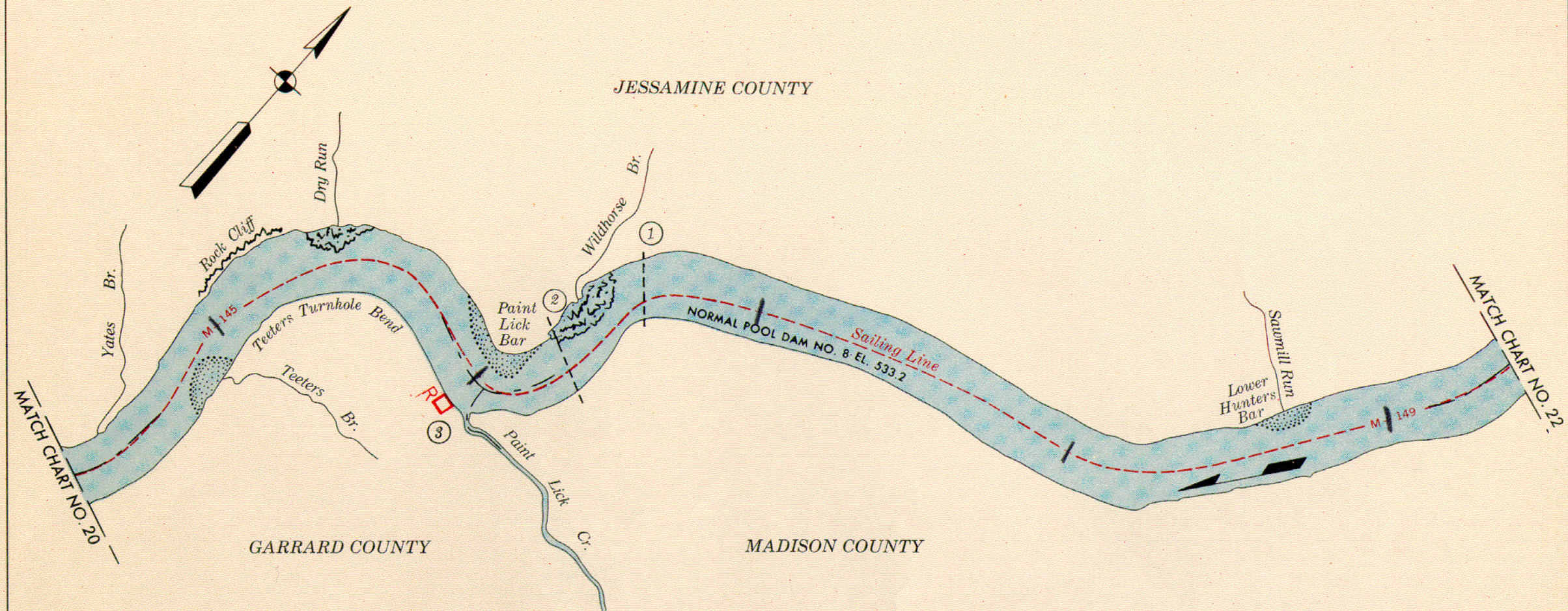
CHART NO. 17





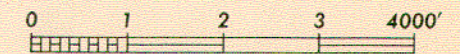






- ① Aerial Power Crossing
- ② Aerial Telephone Crossing
- ③ Launching Ramp

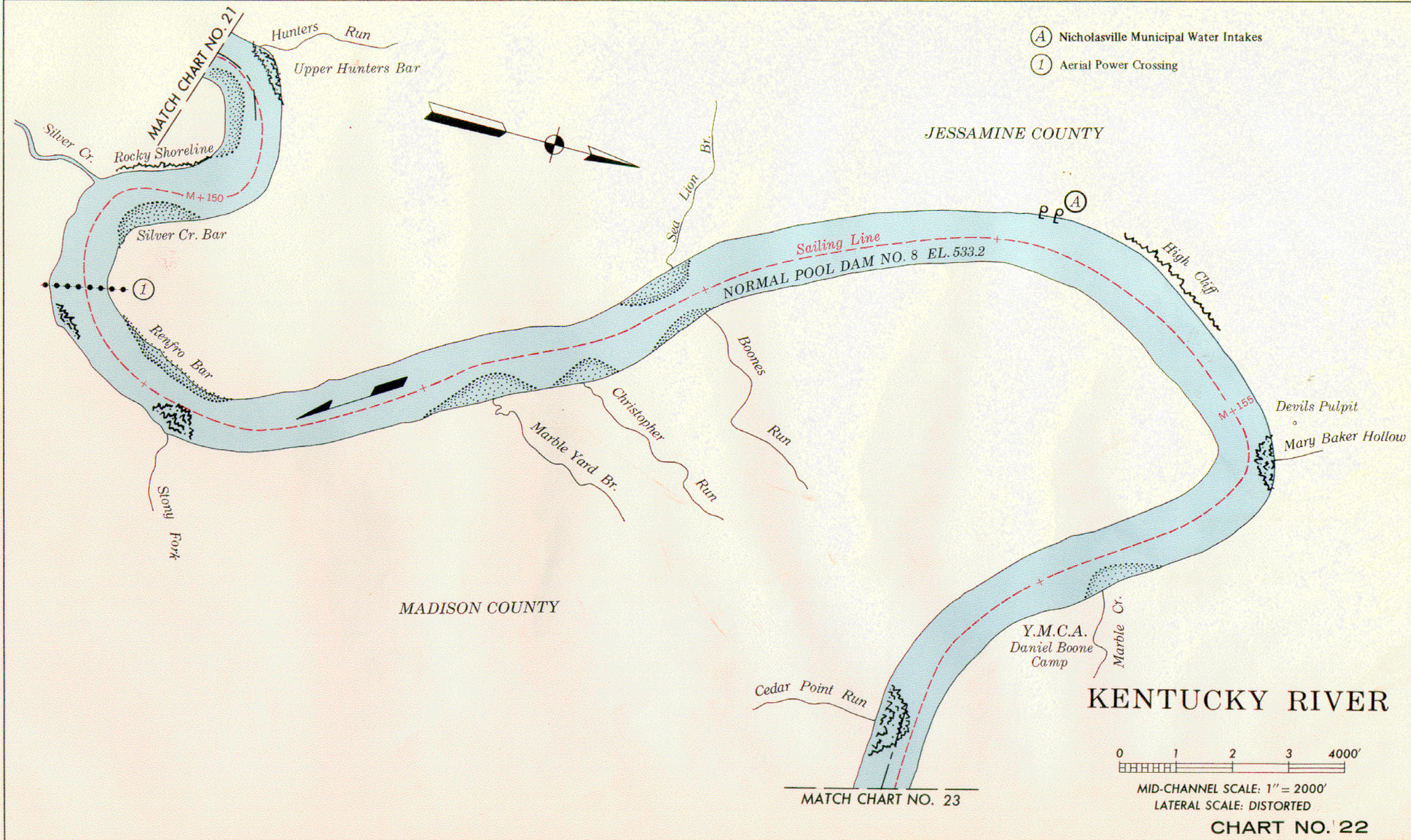
KENTUCKY RIVER



MID-CHANNEL SCALE: 1" = 2000'

LATERAL SCALE: DISTORTED

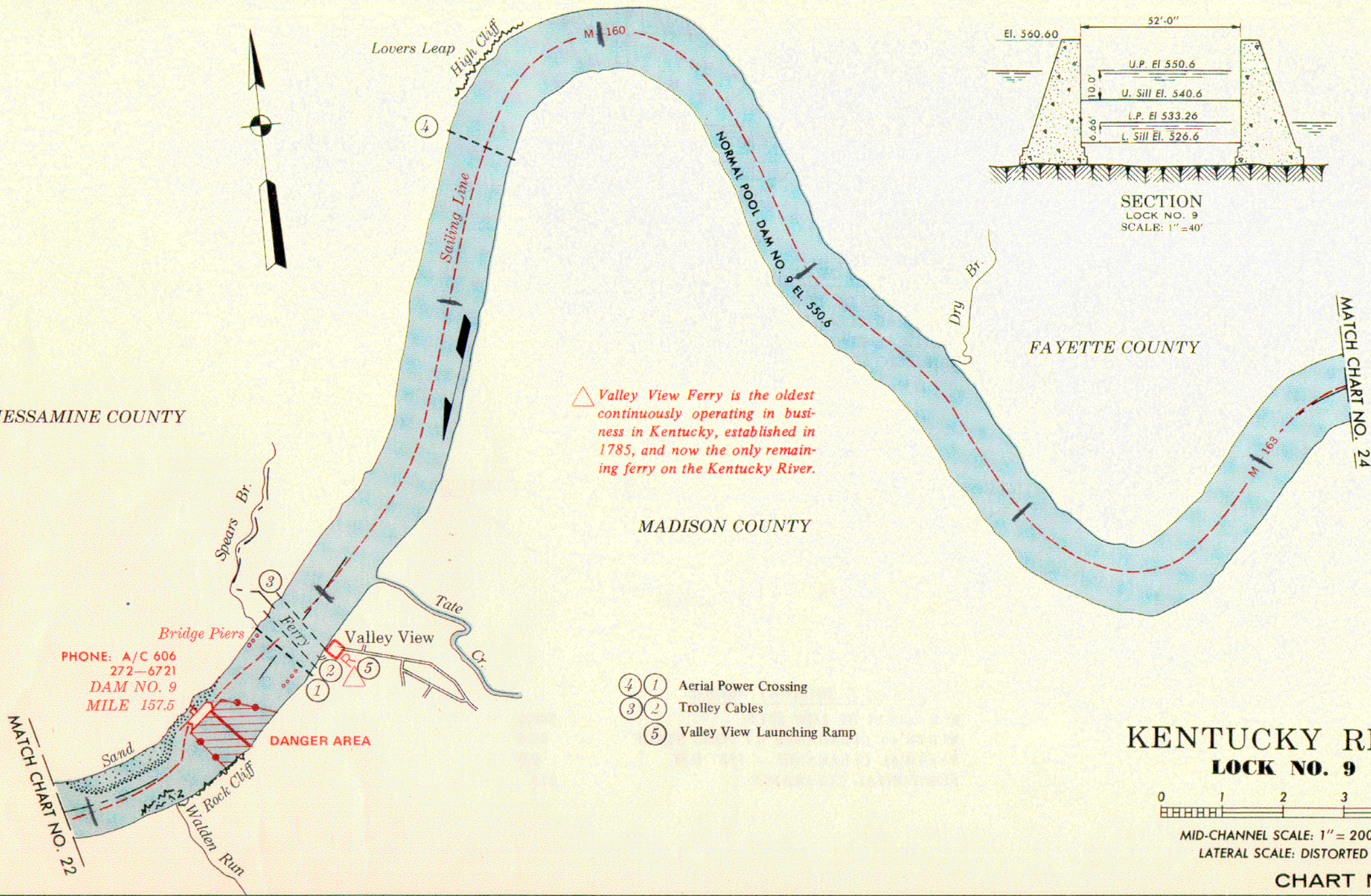
CHART NO. 21



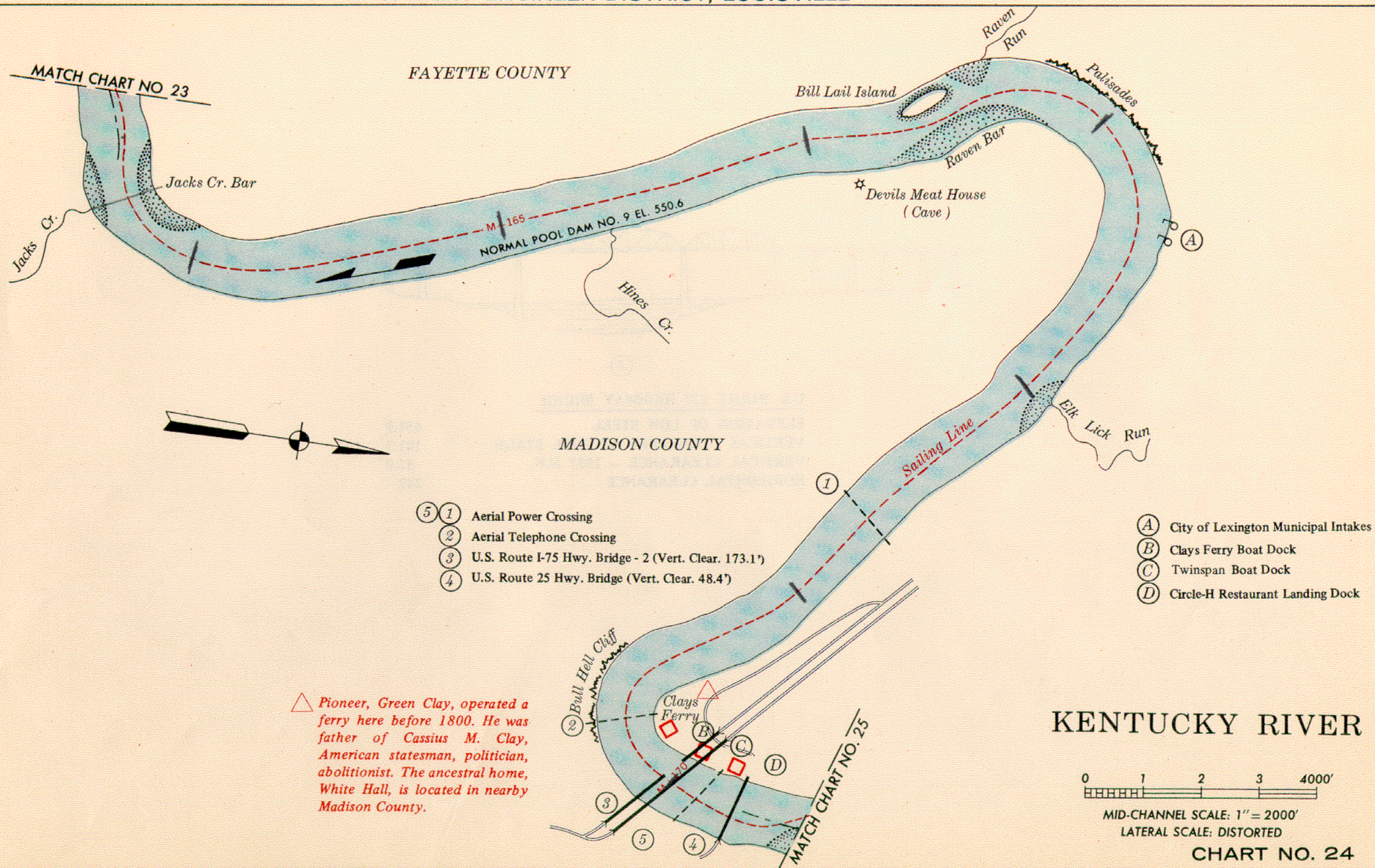
JESSAMINE COUNTY

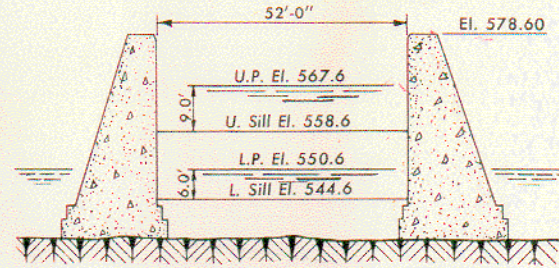
FAYETTE COUNTY

MADISON COUNTY



△ Valley View Ferry is the oldest continuously operating in business in Kentucky, established in 1785, and now the only remaining ferry on the Kentucky River.

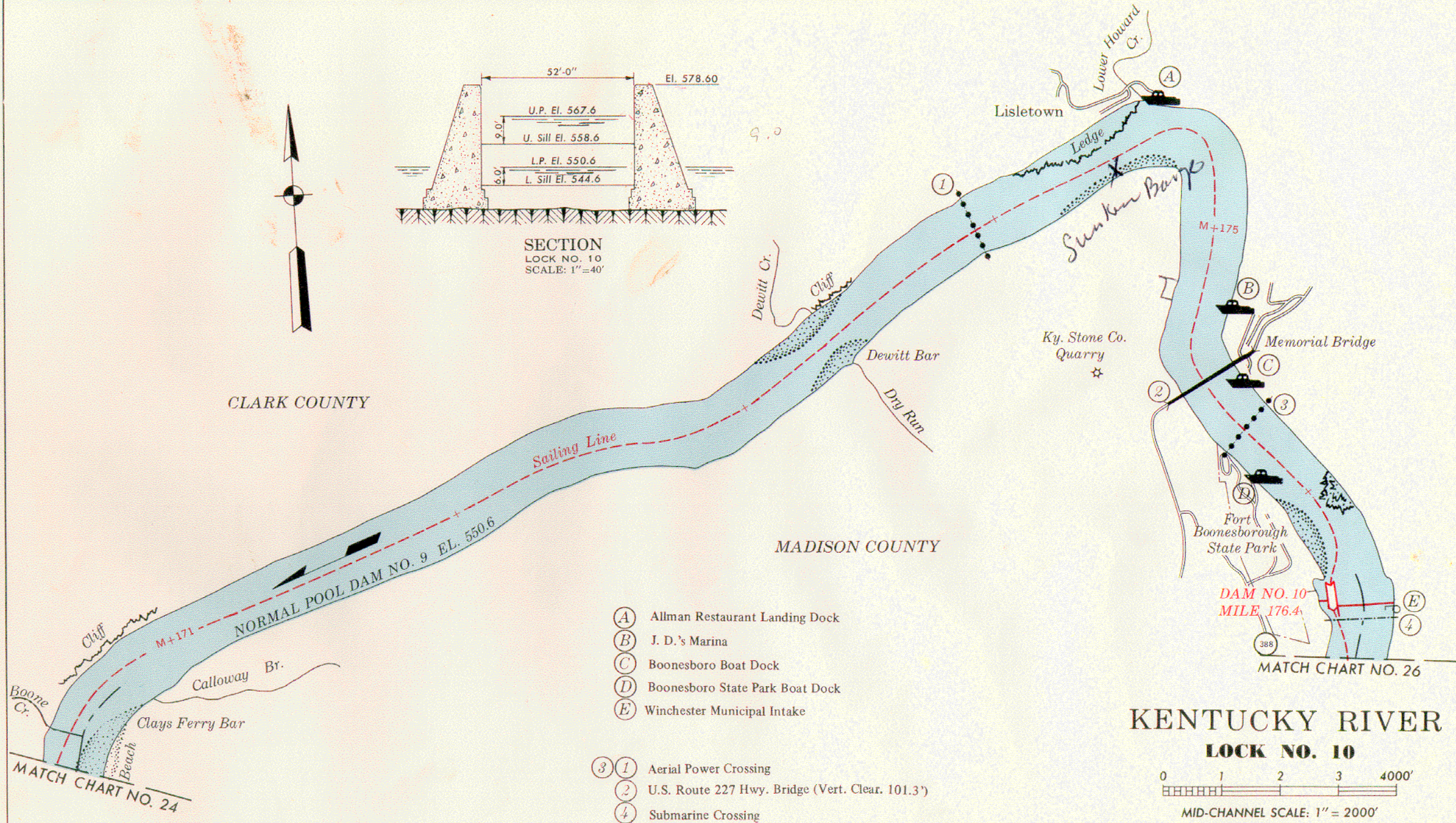




SECTION
LOCK NO. 10
SCALE: 1"=40'

CLARK COUNTY

MADISON COUNTY

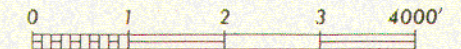


- (A) Allman Restaurant Landing Dock
- (B) J. D.'s Marina
- (C) Boonesboro Boat Dock
- (D) Boonesboro State Park Boat Dock
- (E) Winchester Municipal Intake

- (3) (1) Aerial Power Crossing
- (2) U.S. Route 227 Hwy. Bridge (Vert. Clear. 101.3')
- (4) Submarine Crossing

KENTUCKY RIVER

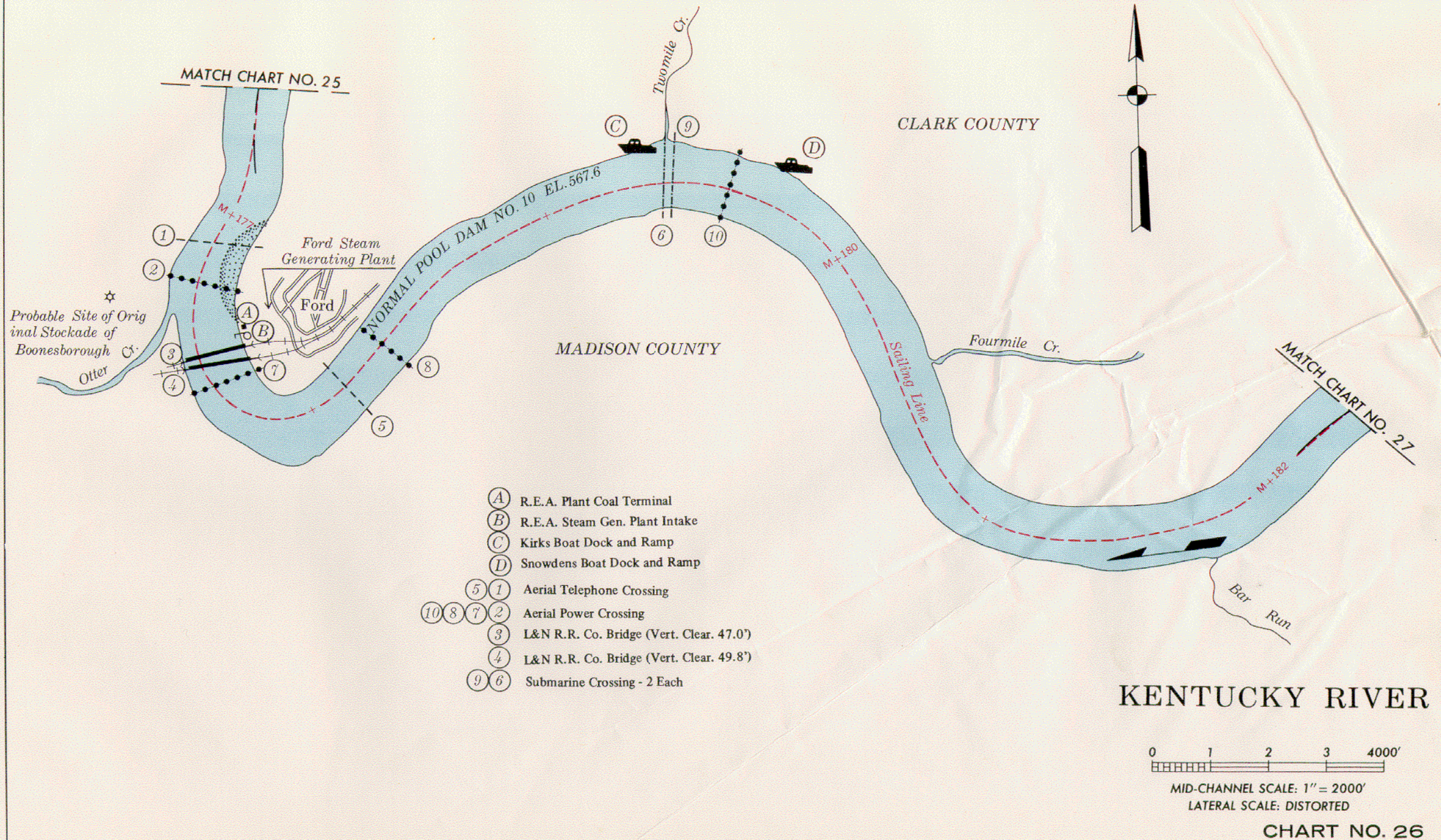
LOCK NO. 10

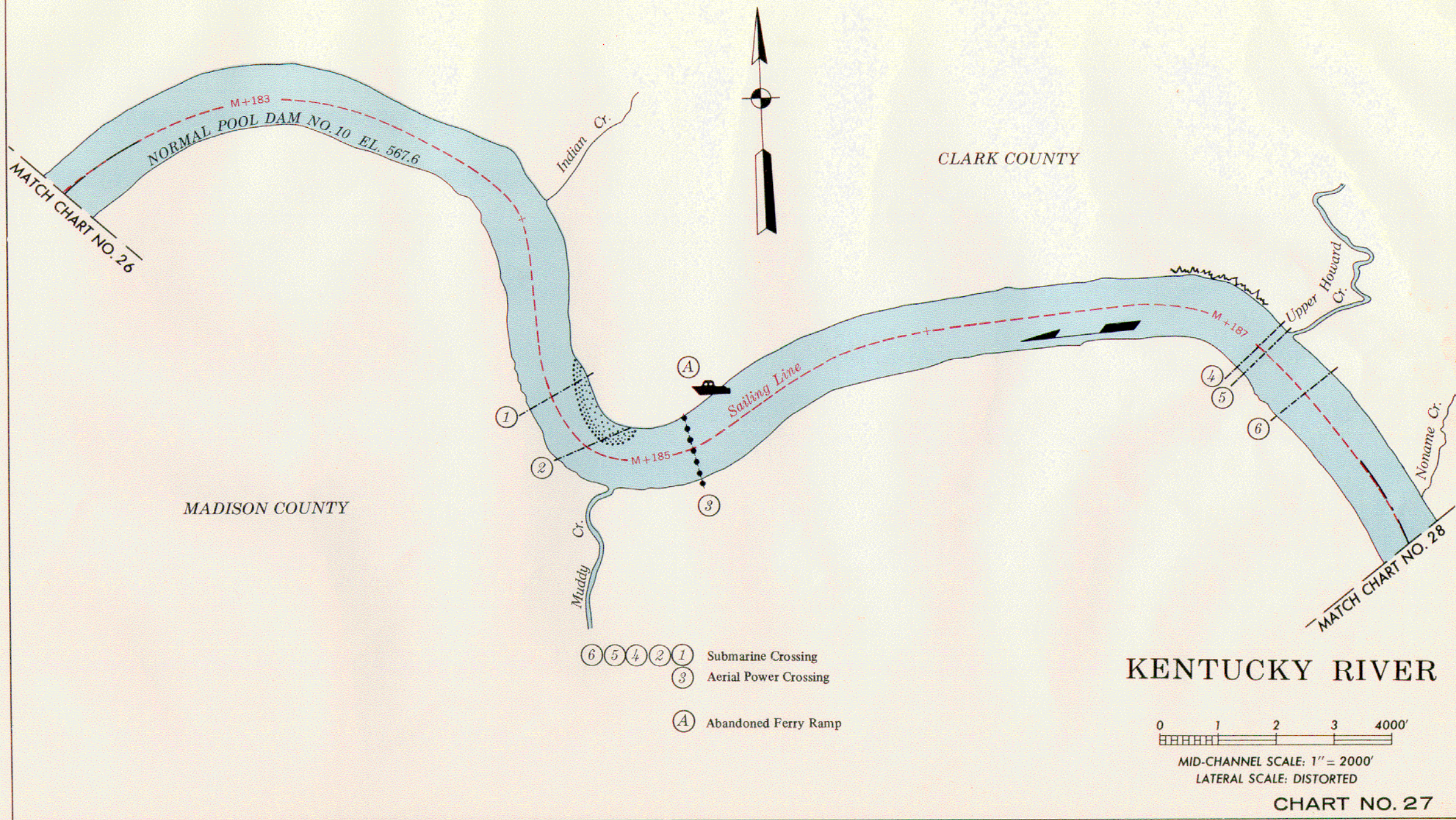


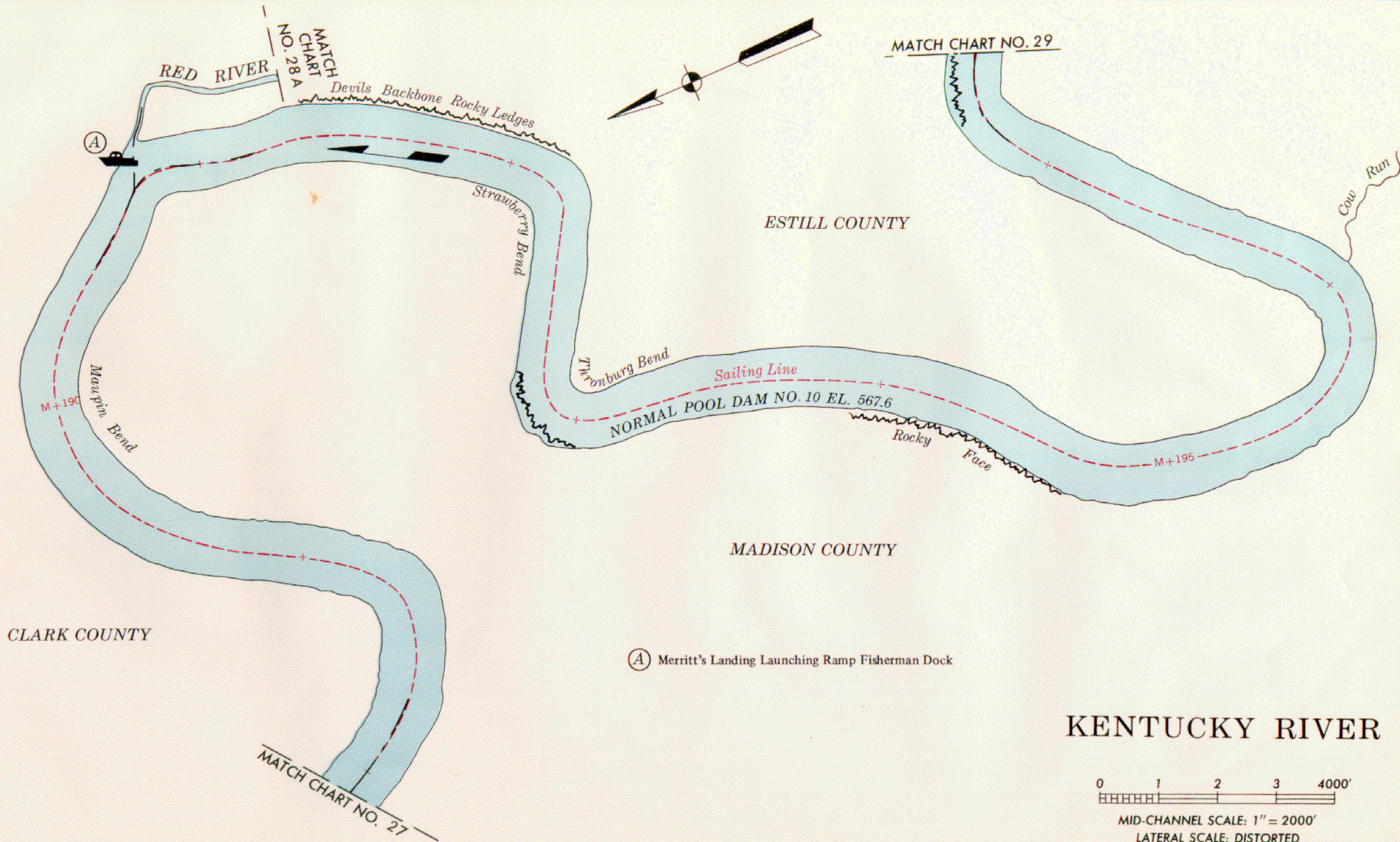
MID-CHANNEL SCALE: 1"= 2000'

LATERAL SCALE: DISTORTED

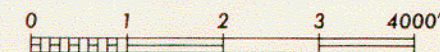
CHART NO. 25





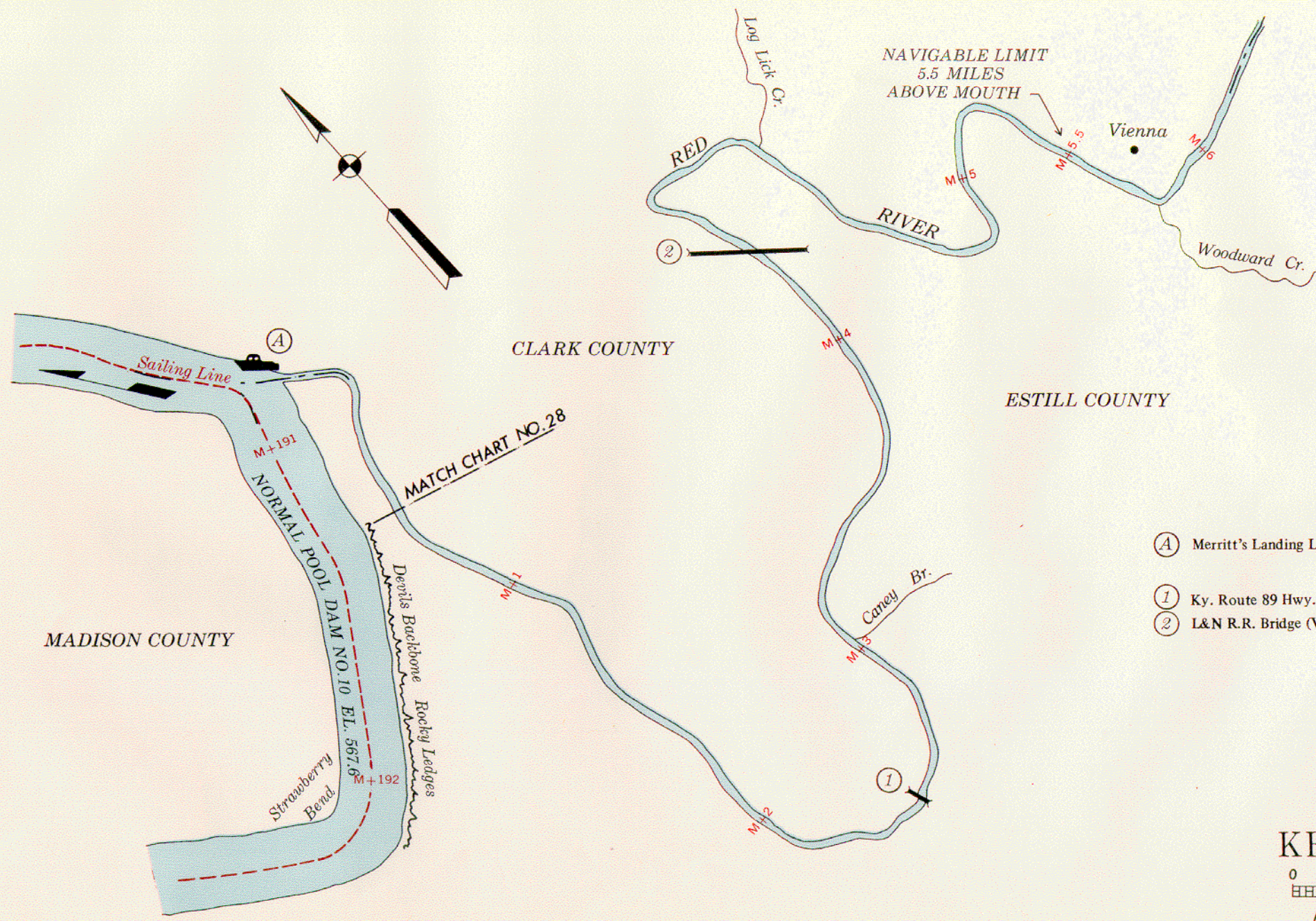


KENTUCKY RIVER



MID-CHANNEL SCALE: 1" = 2000'
LATERAL SCALE: DISTORTED

CHART NO. 28



NAVIGABLE LIMIT
5.5 MILES
ABOVE MOUTH

Vienna

CLARK COUNTY

ESTILL COUNTY

MADISON COUNTY

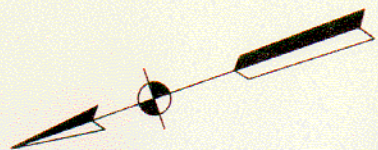
- (A) Merritt's Landing Launching Ramp Fisherman Dock
- (1) Ky. Route 89 Hwy. Bridge (Vert. Clear. 41.3')
- (2) L&N R.R. Bridge (Vert. Clear. 135.0')

RED RIVER
Tributary of
KENTUCKY RIVER

0 1 2 3 4000'

MID-CHANNEL SCALE: 1" = 2000'
LATERAL SCALE: DISTORTED

CHART NO. 28A

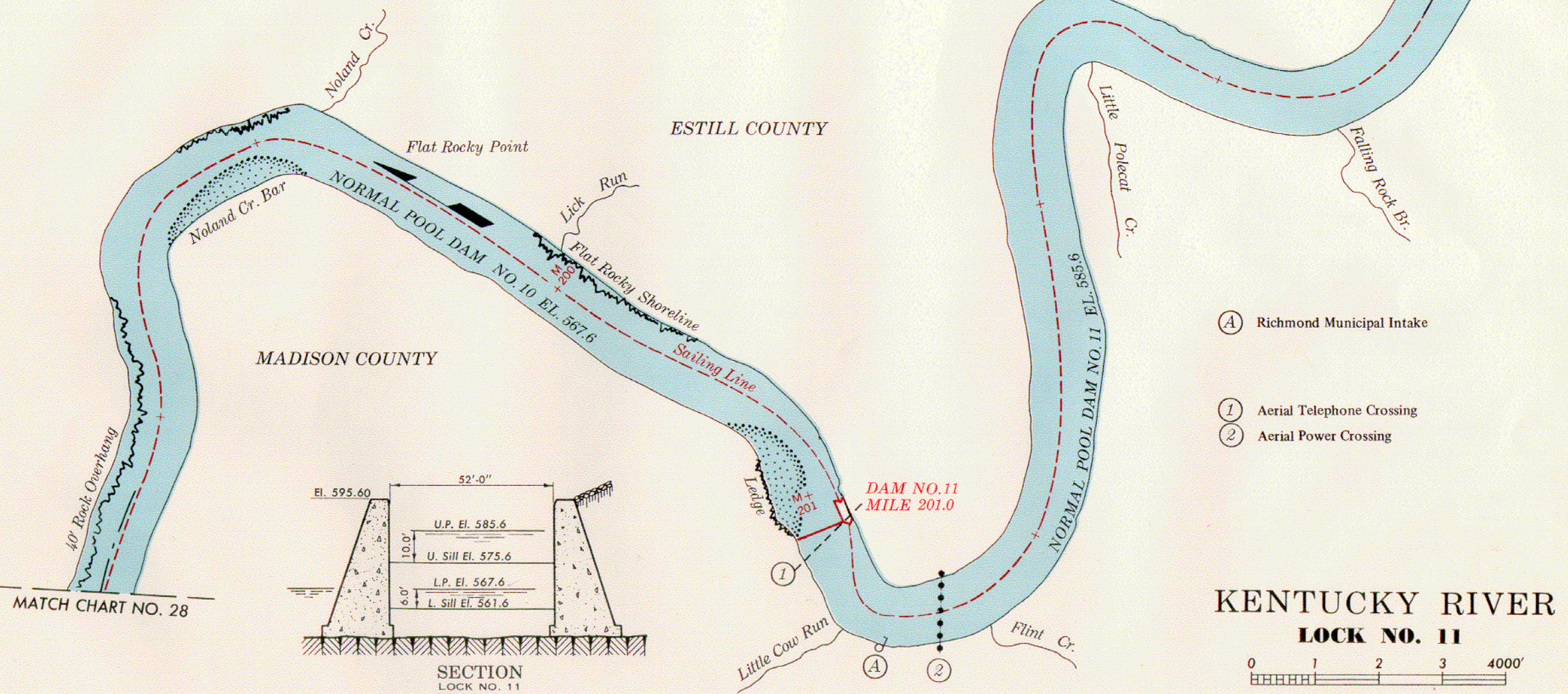


MATCH CHART NO. 30

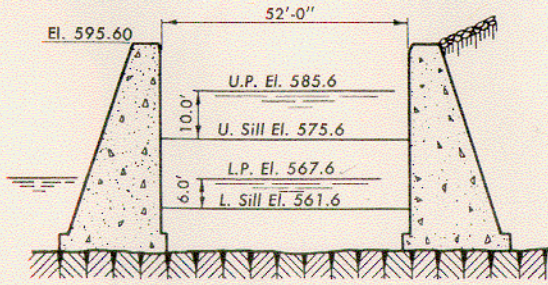
M+205

ESTILL COUNTY

MADISON COUNTY

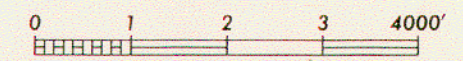


MATCH CHART NO. 28



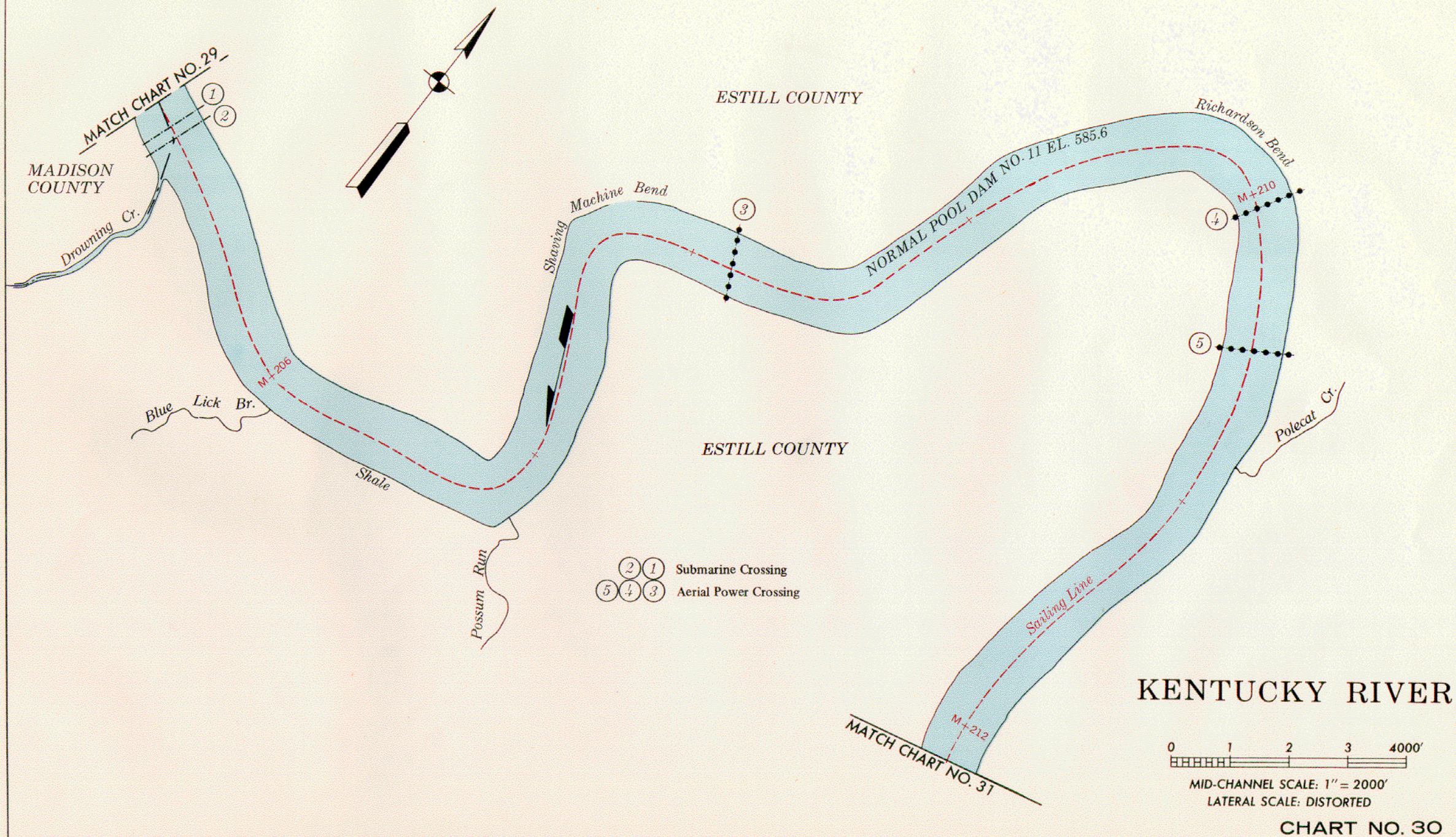
- (A) Richmond Municipal Intake
- (1) Aerial Telephone Crossing
- (2) Aerial Power Crossing

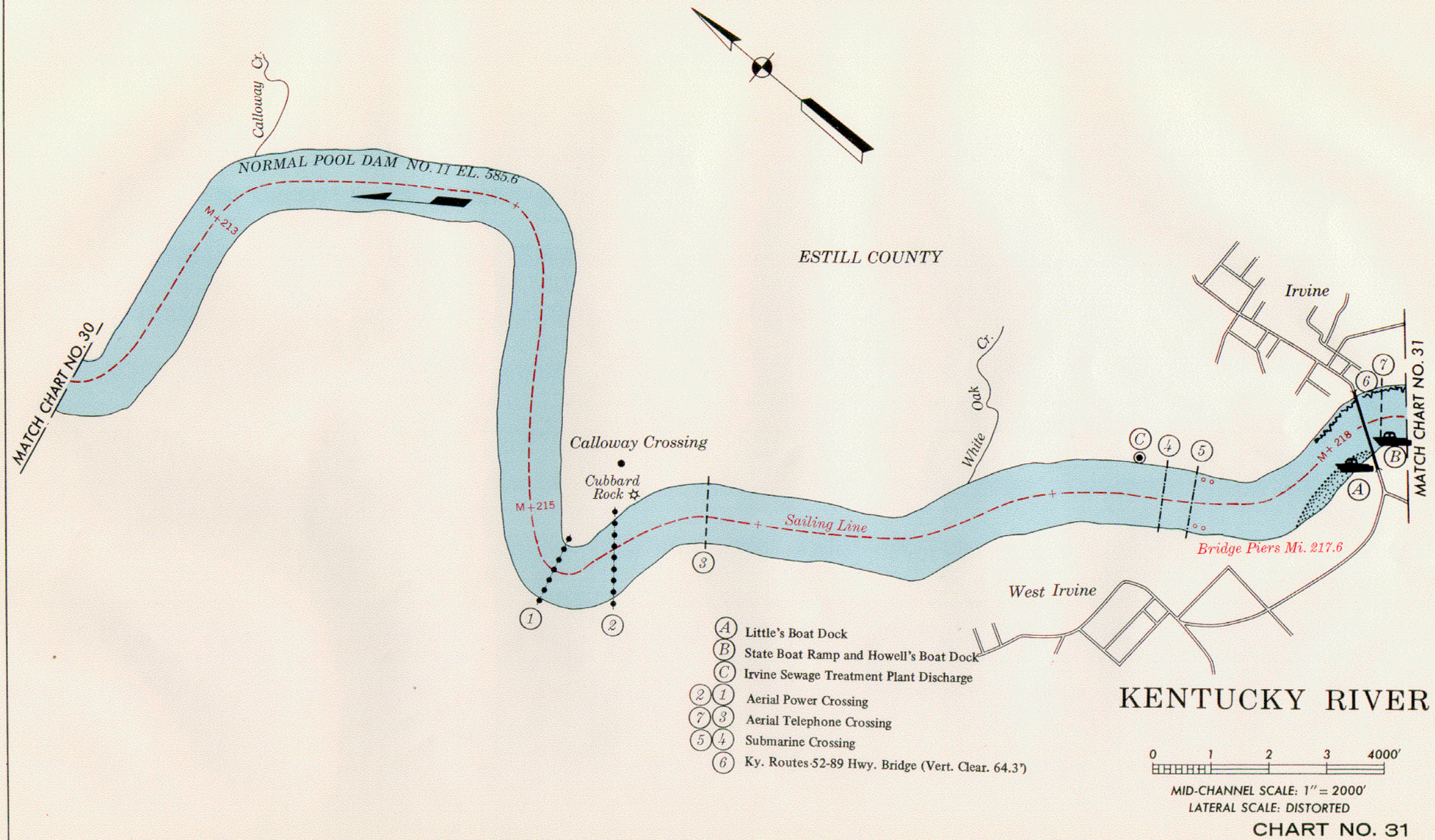
KENTUCKY RIVER LOCK NO. 11

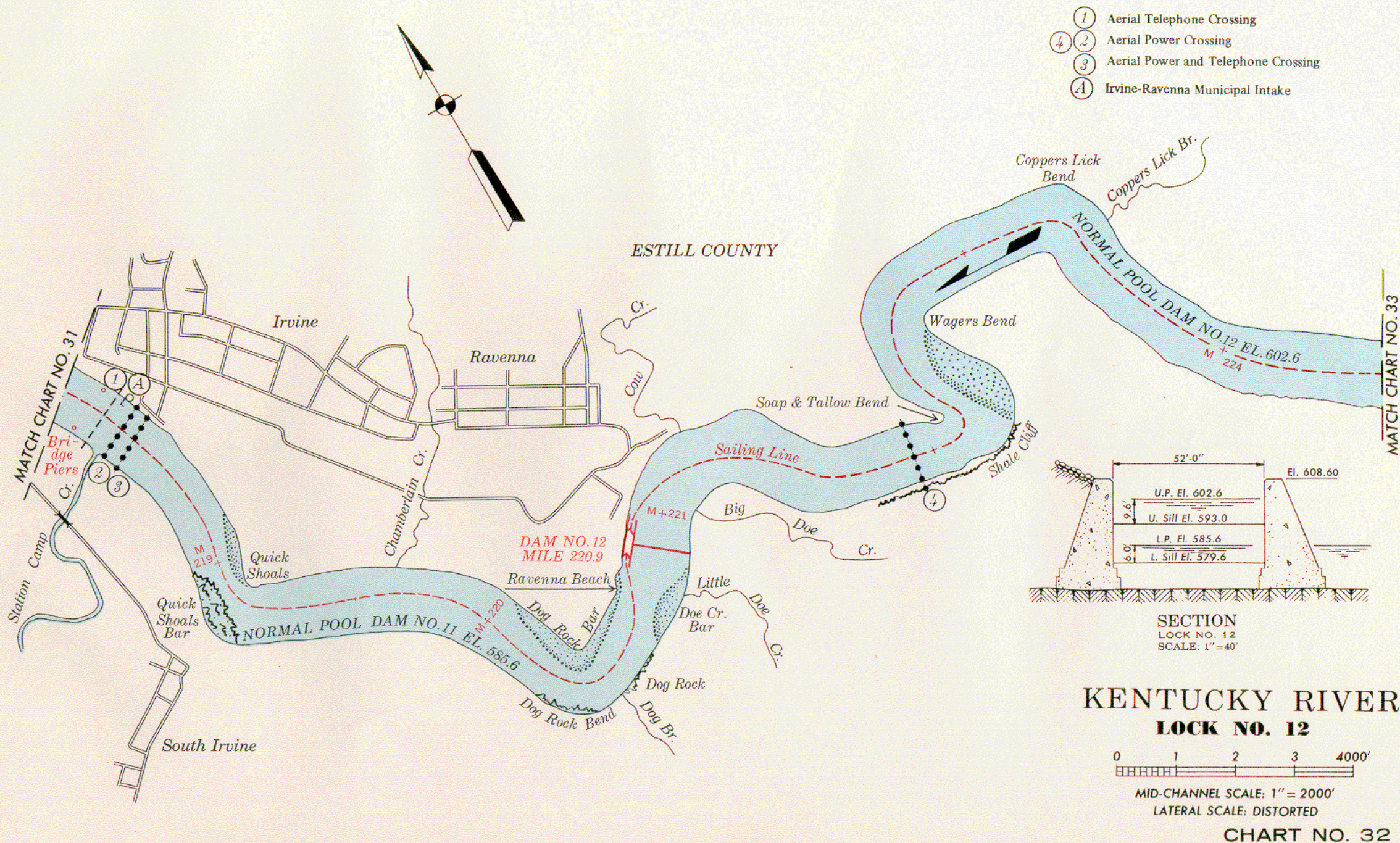


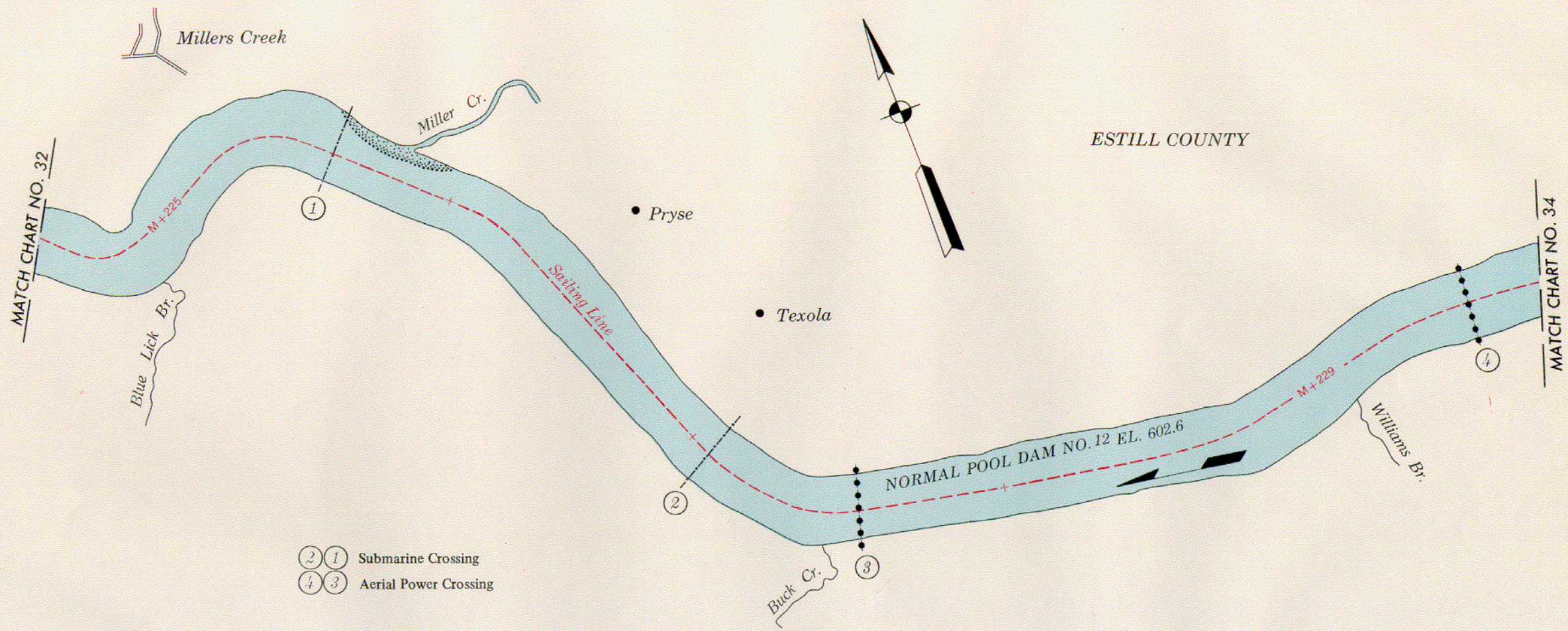
MID-CHANNEL SCALE: 1"=2000'
LATERAL SCALE: DISTORTED

CHART NO. 29



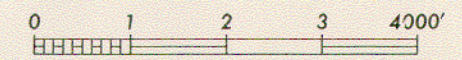




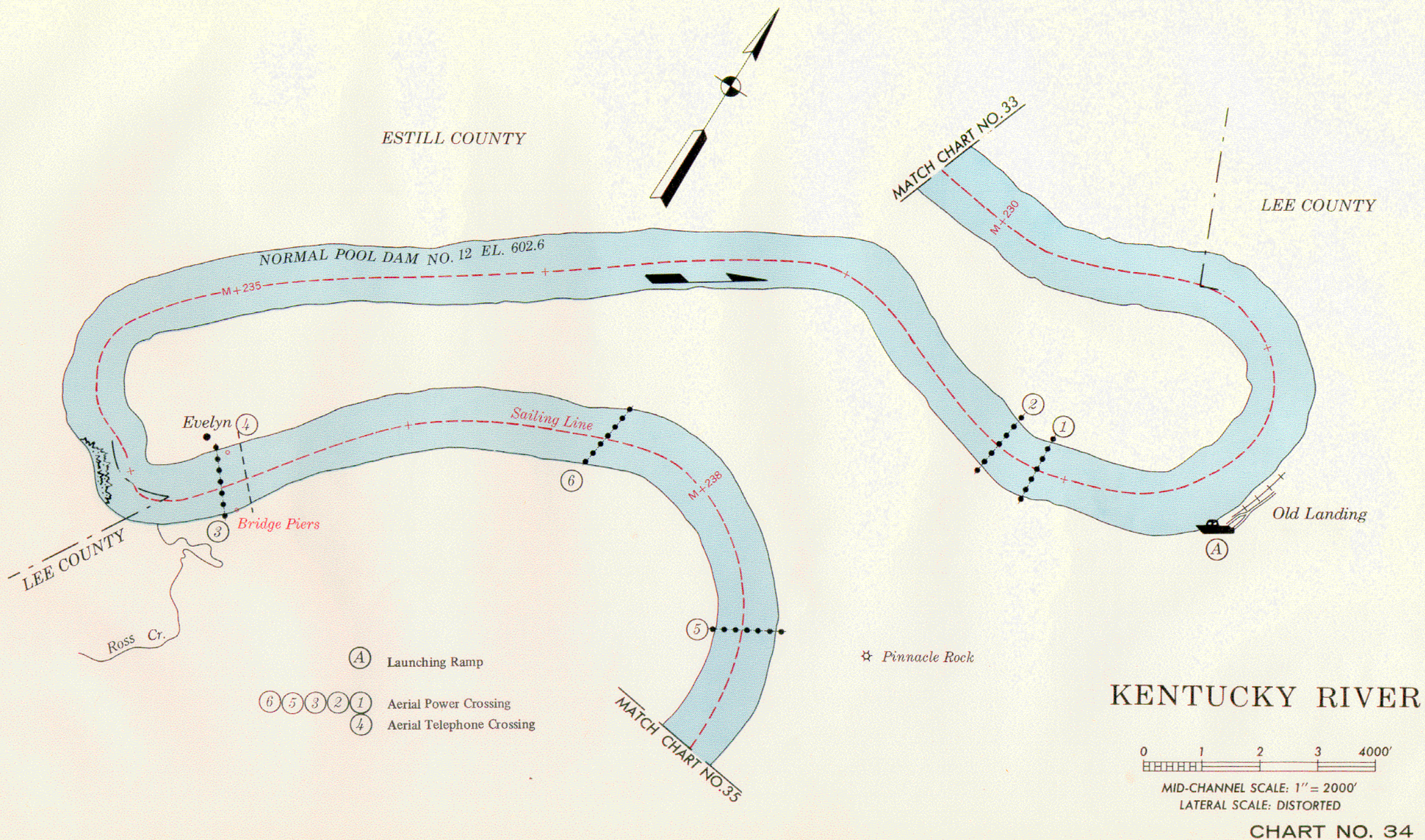


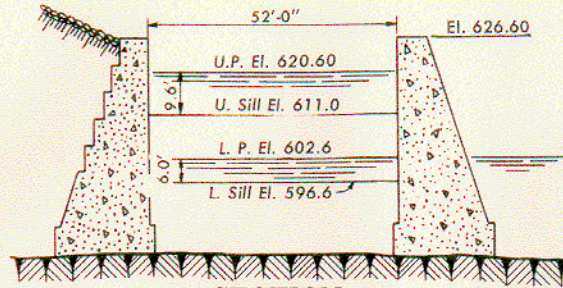
(2) (1) Submarine Crossing
(4) (3) Aerial Power Crossing

KENTUCKY RIVER

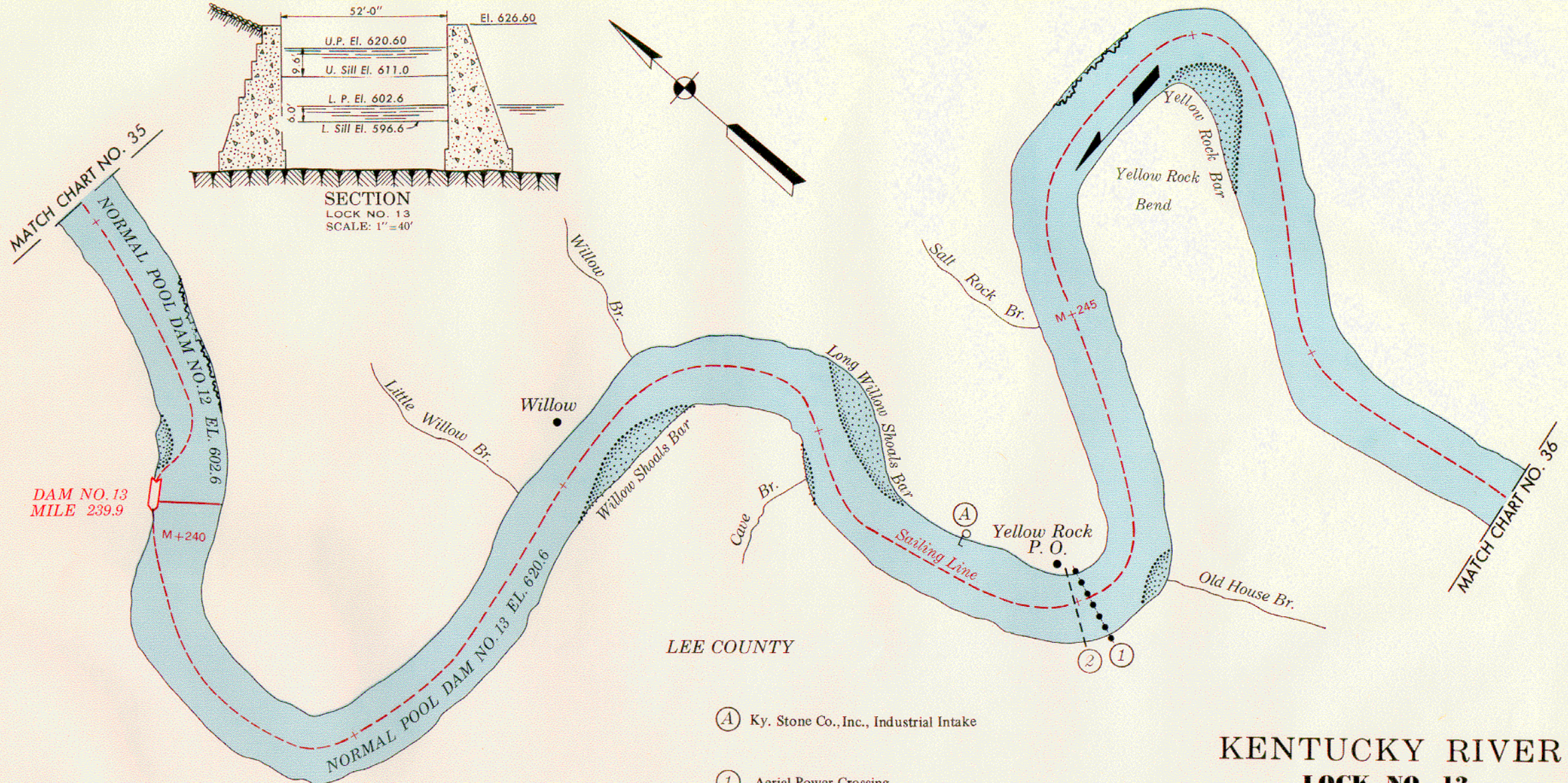


MID-CHANNEL SCALE: 1" = 2000'
LATERAL SCALE: DISTORTED





SECTION
LOCK NO. 13
SCALE: 1" = 40'



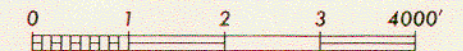
(A) Ky. Stone Co., Inc., Industrial Intake

(1) Aerial Power Crossing

(2) Aerial Telephone Crossing

KENTUCKY RIVER

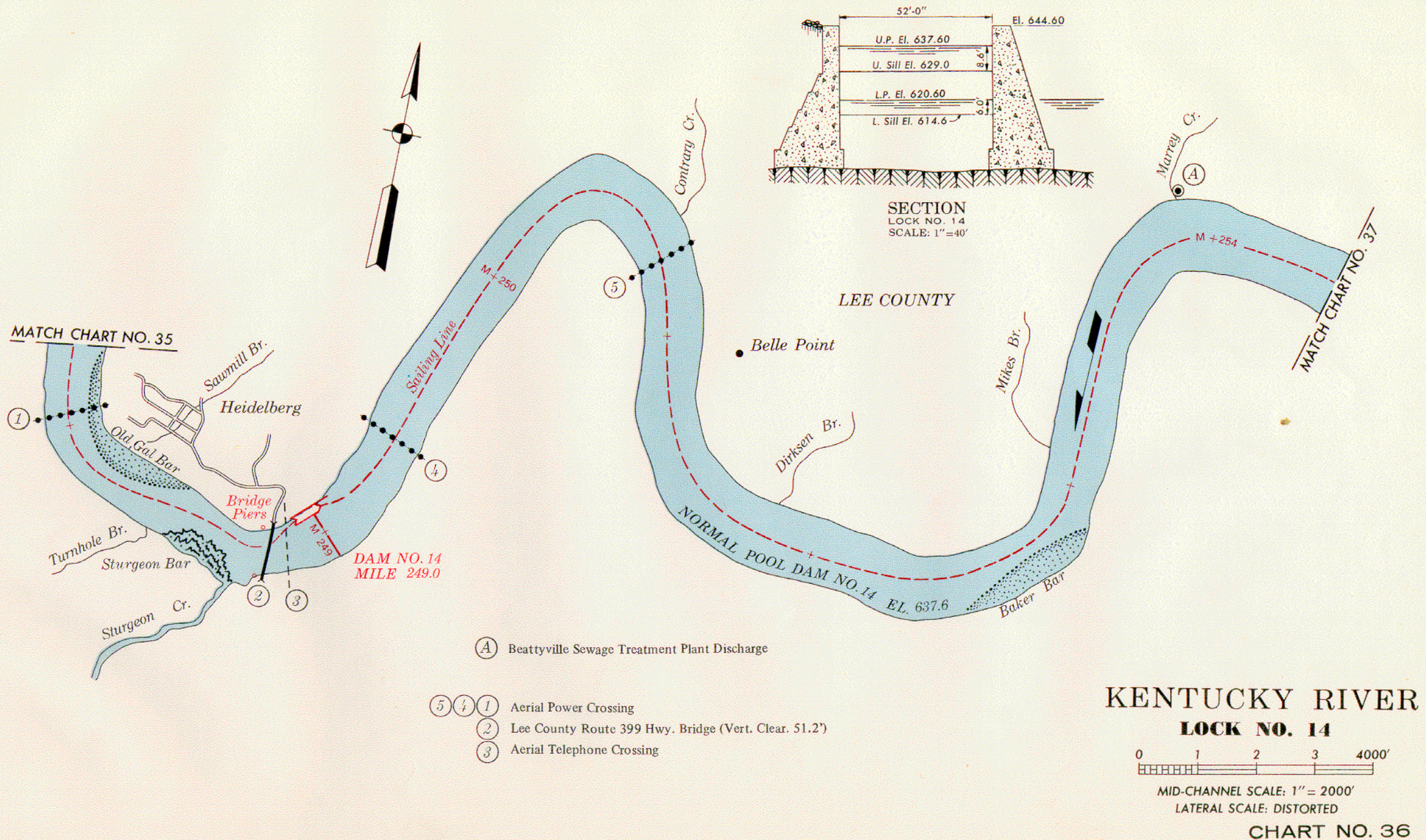
LOCK NO. 13

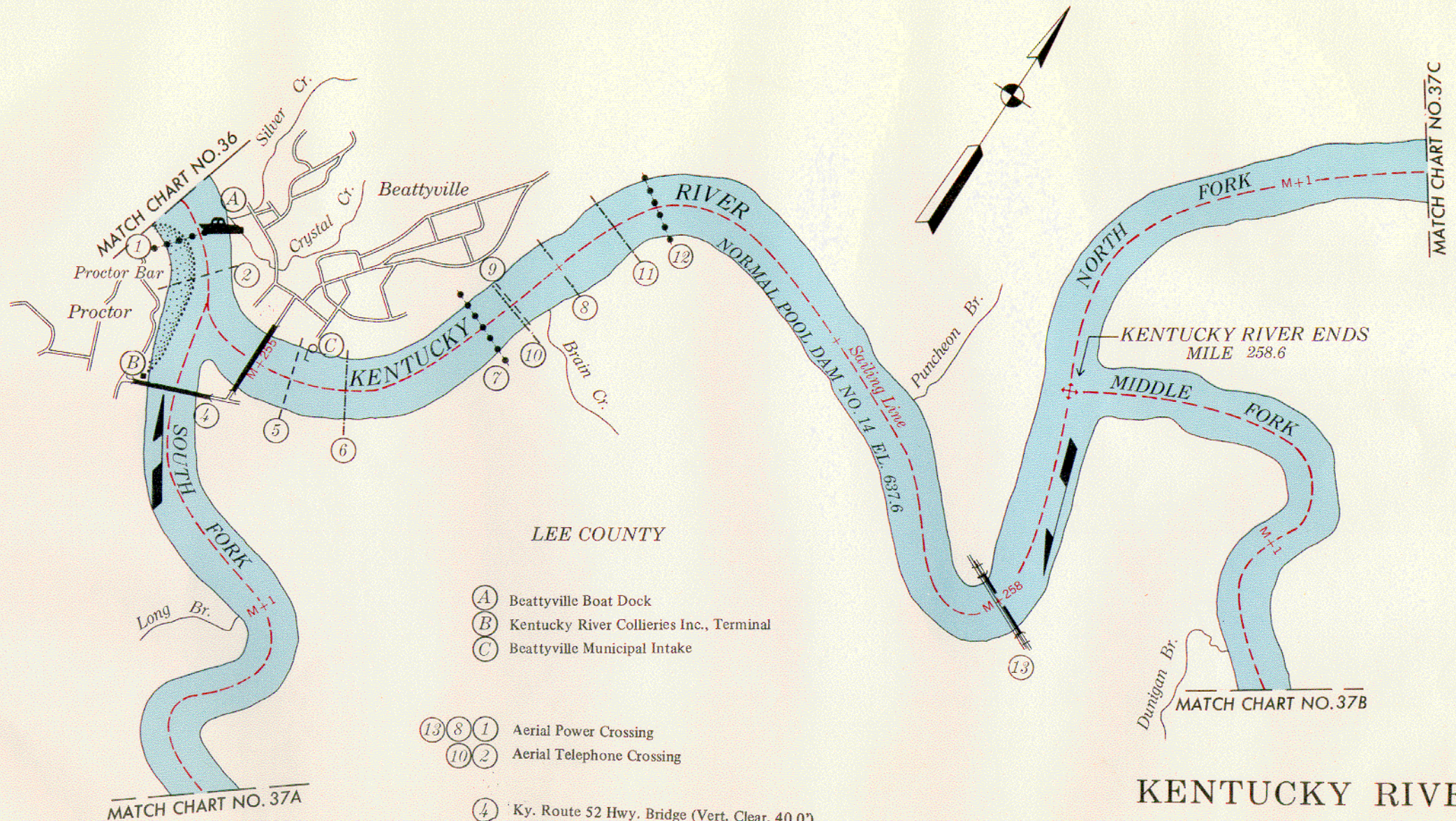


MID-CHANNEL SCALE: 1" = 2000'

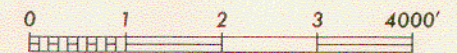
LATERAL SCALE: DISTORTED

CHART NO. 35





KENTUCKY RIVER

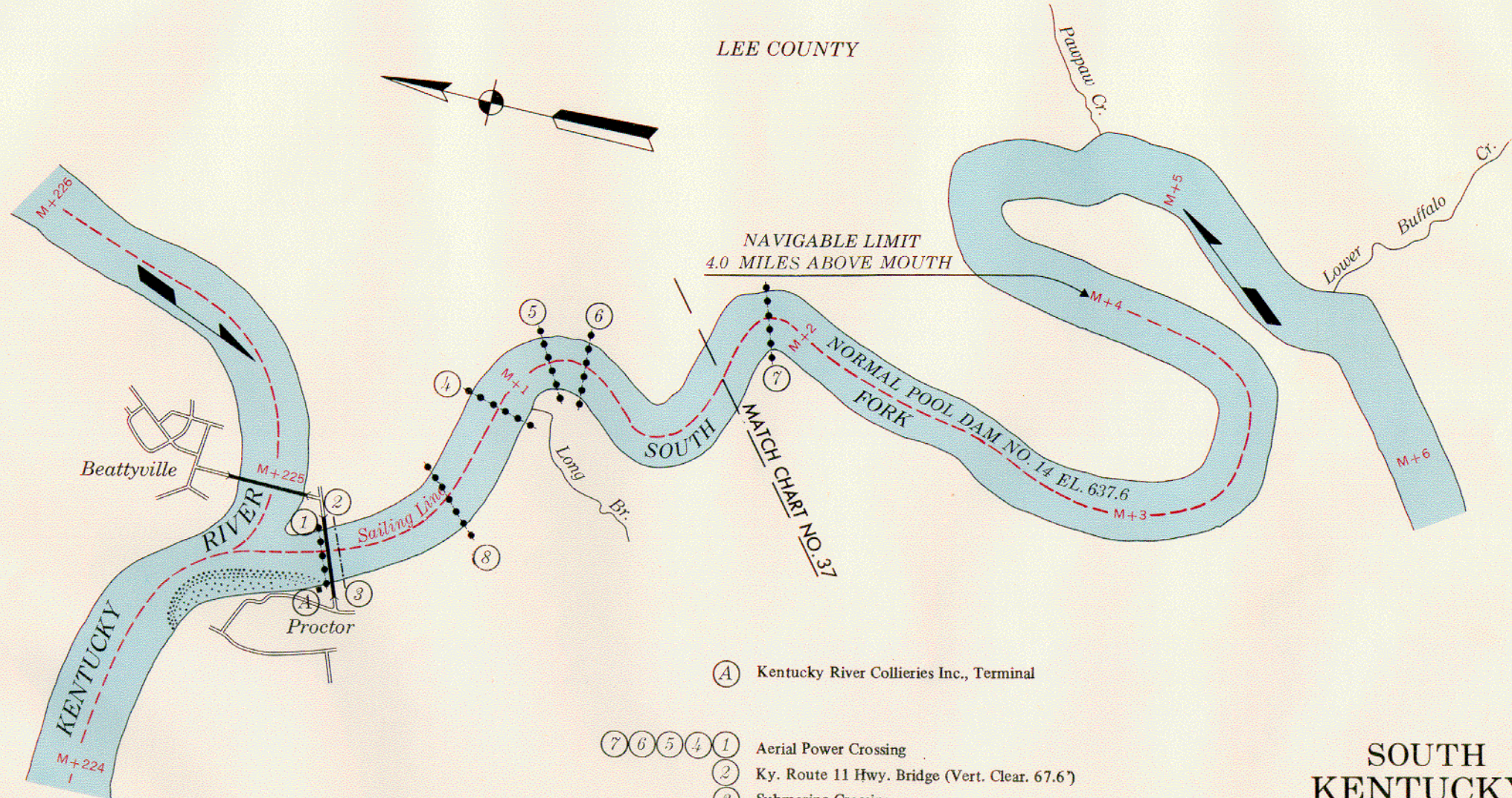


MID-CHANNEL SCALE: 1" = 2000'

LATERAL SCALE: DISTORTED

CHART NO. 37

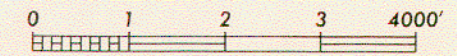
LEE COUNTY



(A) Kentucky River Collieries Inc., Terminal

- (7) (6) (5) (4) (1) Aerial Power Crossing
- (2) Ky. Route 11 Hwy. Bridge (Vert. Clear. 67.6')
- (3) Submarine Crossing
- (8) Aerial Telephone Crossing

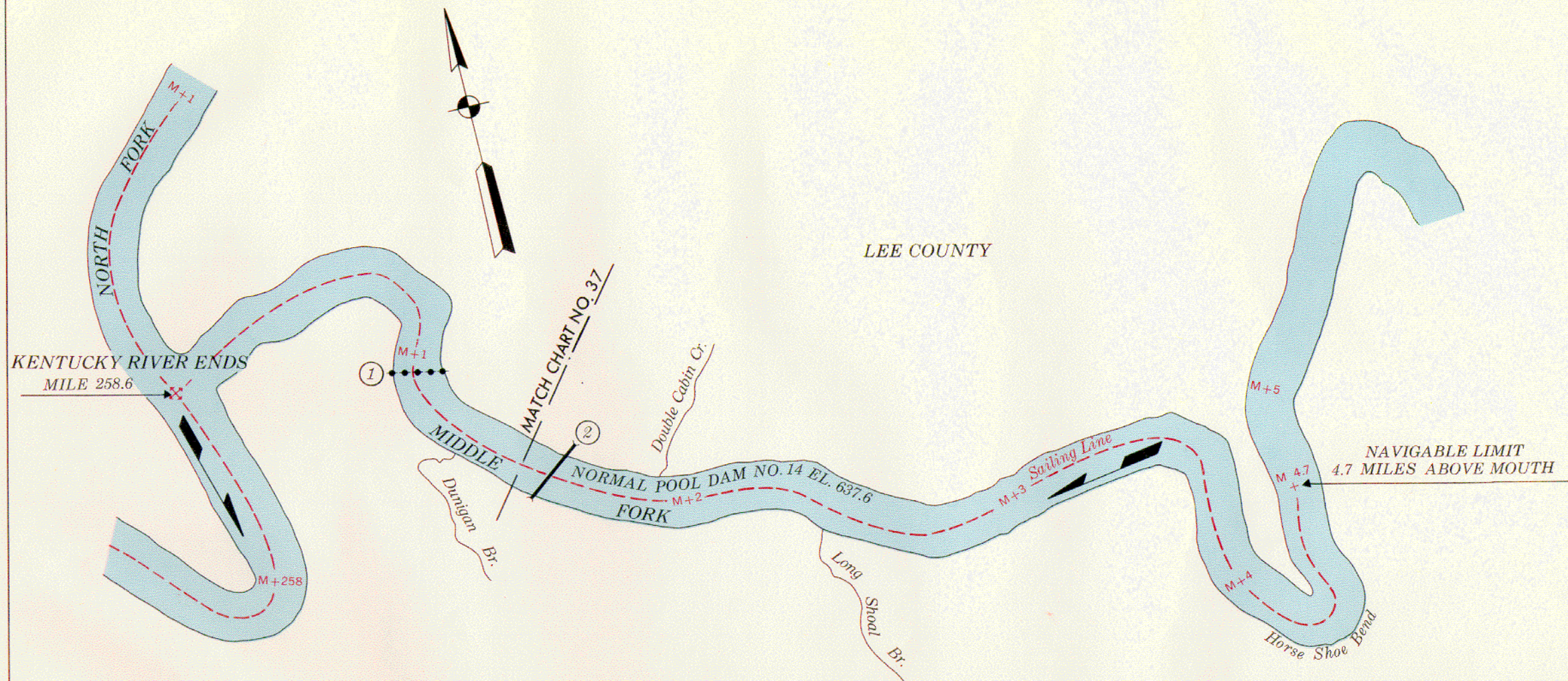
SOUTH FORK KENTUCKY RIVER



MID-CHANNEL SCALE: 1" = 2000'

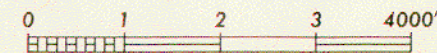
LATERAL SCALE: DISTORTED

CHART NO. 37A



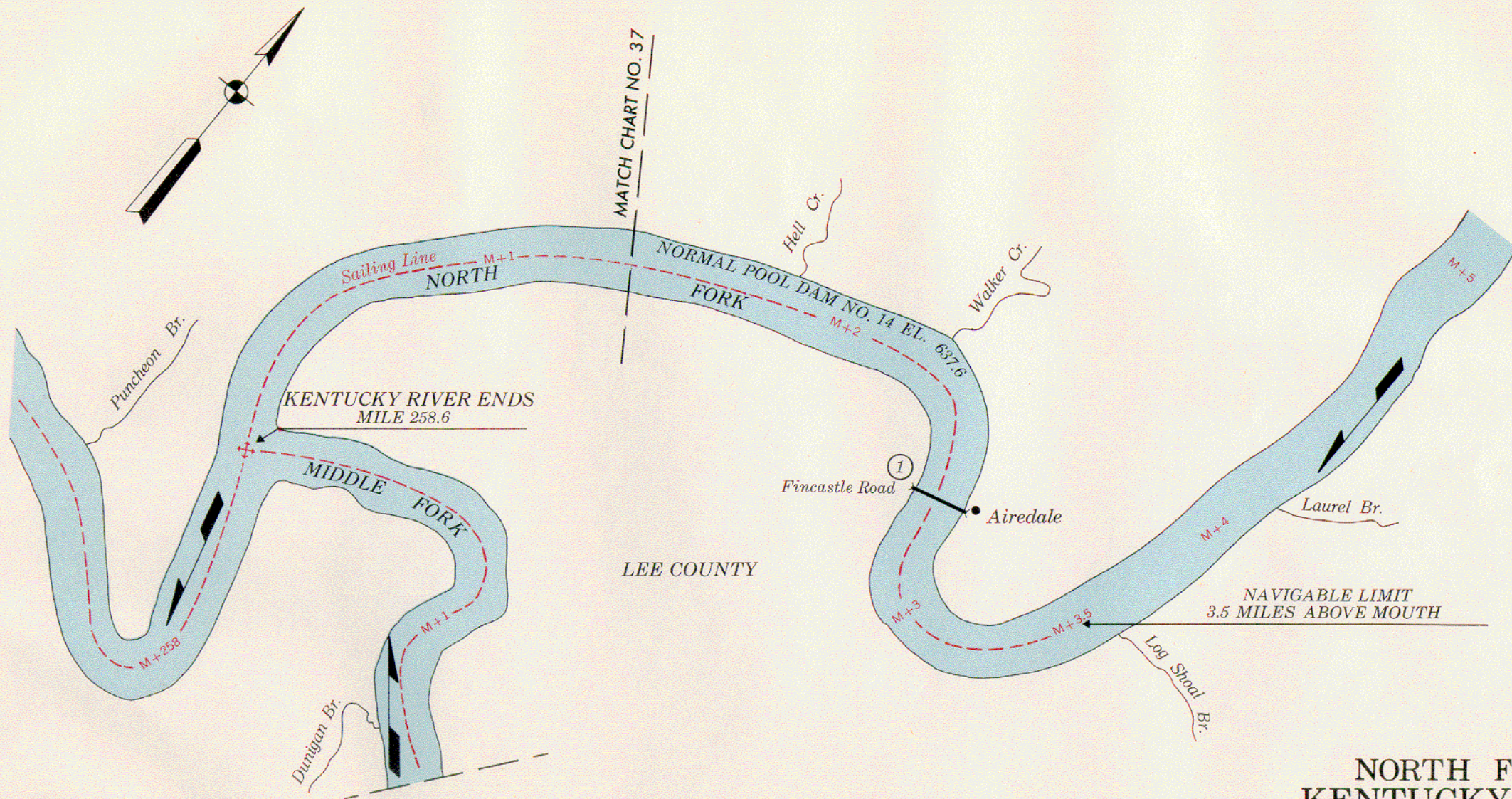
MIDDLE FORK KENTUCKY RIVER

- (1) Aerial Power Crossing
- (2) Ky. Route 52 Hwy. Bridge (Vert. Clear. 43.8')



MID-CHANNEL SCALE: 1" = 2000'
LATERAL SCALE: DISTORTED

CHART NO. 37B



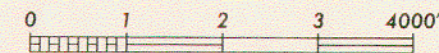
MATCH CHART NO. 37

KENTUCKY RIVER ENDS
MILE 258.6

LEE COUNTY

① Lee County Hwy. Bridge (Vert. Clear. 48.0')

NORTH FORK KENTUCKY RIVER



MID-CHANNEL SCALE: 1" = 2000'
LATERAL SCALE: DISTORTED

CHART NO. 37C