US Army Corps of Engineers

NOTICE TO NAVIGATION INTERESTS

ST. LOUIS DISTRICT
ATTN: CEMVS-DE
1222 SPRUCE STREET
ST. LOUIS MO 63103-2833
HTTP://WWW.MVS.USACE.ARMY.MIL/

DATE: 10/08/2020

POC: Lance Engle
314-865-6343

NOTICE NUMBER: 12633
LOCAL NUMBER: 20-25
WATERWAY: UPPER MISSISSIPPI
EFFECTIVE: Immediately thru Until Further Notice CST

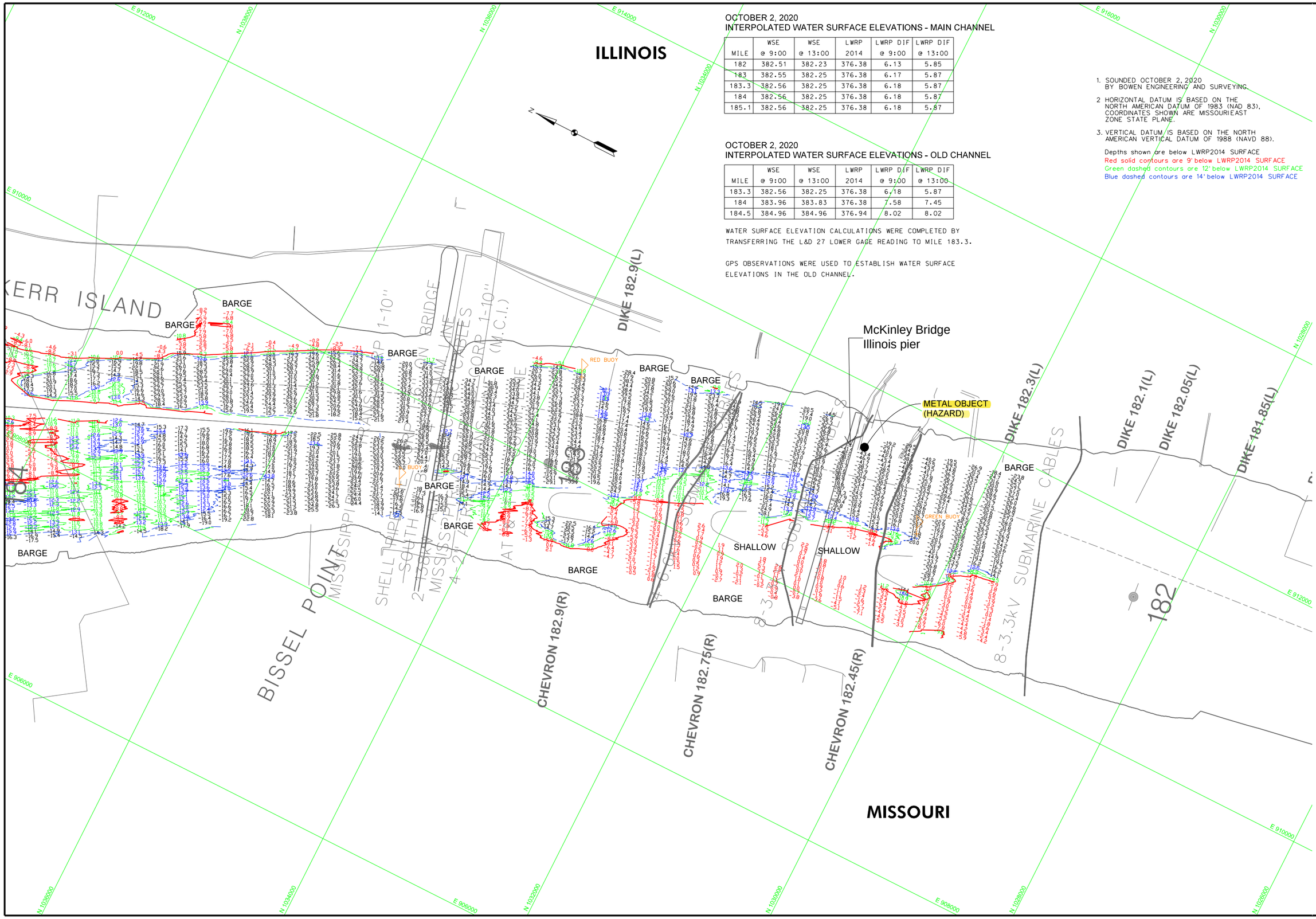
SAFETY ADVISORY - HAZARD
Vicinity of McKinley Bridge Illinois Pier
Upper Mississippi River Mile 182.5

1. A metal hazard exists immediately downstream of the Illinois pier of the McKinley Bridge. The approximate location is shown in the attached drawing.
2. The hazard is suspected to be an old intake structure described as having protruding metal spikes. The top of the structure is exposed at 2-ft on the St. Louis gage, but the exact top elevation is unknown at this time.
3. A more detailed survey will be performed and information used to update the Inland Electronic Navigation Chart.
4. The hazard is not believed to be an issue for towing vessels transiting the area. However, recreational boaters should exercise extreme caution if they are in the vicinity of the Illinois pier of the McKinley bridge and especially at river levels above 2-ft on the St. Louis gage, the metal structure could be submerged.

FOR THE DISTRICT ENGINEER:

//signed//

Andrew C. Schimpf, P.E.
Rivers Project Manager



OCTOBER 2, 2020
INTERPOLATED WATER SURFACE ELEVATIONS - MAIN CHANNEL

MILE	WSE @ 9:00	WSE @ 13:00	LWRP 2014	LWRP DIF @ 9:00	LWRP DIF @ 13:00
182	382.51	382.23	376.38	6.13	5.85
183	382.55	382.25	376.38	6.17	5.87
183.3	382.56	382.25	376.38	6.18	5.87
184	382.56	382.25	376.38	6.18	5.87
185.1	382.56	382.25	376.38	6.18	5.87

OCTOBER 2, 2020
INTERPOLATED WATER SURFACE ELEVATIONS - OLD CHANNEL

MILE	WSE @ 9:00	WSE @ 13:00	LWRP 2014	LWRP DIF @ 9:00	LWRP DIF @ 13:00
183.3	382.56	382.25	376.38	6.18	5.87
184	383.96	383.83	376.38	7.58	7.45
184.5	384.96	384.96	376.94	8.02	8.02

WATER SURFACE ELEVATION CALCULATIONS WERE COMPLETED BY TRANSFERRING THE L&D 27 LOWER GAGE READING TO MILE 183.3.

GPS OBSERVATIONS WERE USED TO ESTABLISH WATER SURFACE ELEVATIONS IN THE OLD CHANNEL.

1. SOUNDED OCTOBER 2, 2020 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD 83), COORDINATES SHOWN ARE MISSOURI EAST ZONE STATE PLANE.
3. VERTICAL DATUM IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

Depths shown are below LWRP2014 SURFACE
Red solid contours are 9' below LWRP2014 SURFACE
Green dashed contours are 12' below LWRP2014 SURFACE
Blue dashed contours are 14' below LWRP2014 SURFACE

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	GPS OBSERVATION 1	L&D 27 LOWER	ST. LOUIS, MO
ZERO N.A.V.D.	0.00	349.49	379.58
MILE	184.5 (OLD CHANNEL)	185.1	180.0
LWRP 2014	X	376.38	376.38
02 OCT 2020	384.96(12.00)	33.07(9.00) 32.76(13.00)	2.85(9.00) 2.63(13.00)

Survey Date: OCTOBER 2, 2020
Surveyed by: BOWEN ENGINEERING
Drawn by: X
Chkd by: X
Reviewed by: X
APPROVED: X
SUBMITTED: X
Plot date: ######
File name: ######

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

240 METERS
120 0 120 400
800 FEET
400 0 400

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE POSITIONS OF OBJECTS AND GENERAL CONDITIONS EXISTING AT THAT TIME AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PRE DREDGE SURVEY
RIVER MILES 184.5 – 182.3

PLATE NUMBER
XX
SHEET 2 OF 2