

## **MISSISSIPPI RIVER 1997 NAVIGATION NOTICE**

<b>NUMBER</b>	<b>DATE</b>	<b>SUBJECT/LOCATION</b>	<b>EFFECTIVE DATE</b>
MR 97- 01	5-Feb-97	LOCK CLOSURE, MISSISSIPPI RIVER, LOCK NO. 21, UMR MILE 325.0	11-13 Feb 1997
MR 97- 02	28-Feb-97	LOCK CLOSURE, LOCK AND DAM 20, MISSISSIPPI RIVER, UMR MILE 343.0	18-19 Mar 1997
MR 97- 03	28-Feb-97	LOCK CLOSURES, MISSISSIPPI RIVER, LOCK AND DAM 22, UMR MILE 301.0	11-Mar-97
MR 97- 04	12-Mar-97	LOCK CLOSURE, LOCK AND DAM 21, MISSISSIPPI RIVER, UMR MILE 325.0	23-24 Mar 2006
MR 97- 05	12-Mar-97	SHOALING, MISSISSIPPI RIVER, UMR MILE 461.3 TO 461.5	
MR 97- 06	14-Mar-97	EROSION, MISSISSIPPI RIVER, UMR MILE 438.0	
MR 97- 07	26-Mar-97	LOCK CLOSURE, LOCK AND DAM 13, MISSISSIPPI RIVER, UMR MILE 522.5	2-Apr-97
MR 97- 08	28-Apr-97	SECOND NOTICE, LOCK CLOSURE, MISSISSIPPI RIVER, LOCK NO. 14, UMR MILE 493.0	1-Dec-97 to 6-Mar-98
MR 97- 09	14-May-97	SHOALING, MISSISSIPPI RIVER, UMR MILE 300.5 - 301.0	25-28 May 1997
MR 97- 10	20-May-97	DREDGING, MISSISSIPPI RIVER, LOCK AND DAM 22 LOWER APPROACH, UMR MILE 300.8	27-May-97 until further notice
MR 97- 11	22-May-97	REVISED, DREDGING, MISSISSIPPI RIVER, LOCK AND DAM 22 LOWER APPROACH, UMR MILE 300.8	27-May-97 until further notice
MR 97- 12	11-Jun-97	EROSION, MISSISSIPPI RIVER, UMR MILE 484.6 - 484.9	16-Jun-97
MR 97- 13	12-Jun-97	SHOALING/DREDGING, MISSISSIPPI RIVER, LOCK AND DAM 15 LOWER APPROACH, UMR MILE 482.8	12-Jun-97
IMR97- 14	17-Jun-97	TOW HAULAGE UNIT, LOCK AND DAM 21, MISSISSIPPI RIVER, UMR MILE 325.0	until further notice

## **MISSISSIPPI RIVER 1997 NAVIGATION NOTICE**

<b>NUMBER</b>	<b>DATE</b>	<b>SUBJECT/LOCATION</b>	<b>EFFECTIVE DATE</b>
MR 97- 15	19-Jun-97	DREDGING, MISSISSIPPI RIVER, UMR MILE 331.5	20-Jun-97 until further notice
MR 97- 16	26-Jun-97	DREDGING, MISSISSIPPI RIVER, UMR MILE 355.3,	27-Jun-97, until further notice
MR 97- 17	27-Jun-97	CANCELED, DREDGING, MISSISSIPPI RIVER, UMR MILE 355.3	N/A
MR 97- 18	30-Jun-97	LOCK CLOSURE, MISSISSIPPI RIVER, LOCK NO. 21, UMR MILE 325.0	22-Jul-97
MR 97- 19	30-Jun-97	LOCK CLOSURE, MISSISSIPPI RIVER, LOCK NO. 20, UMR MILE 343.0	24-Jul-97
MR 97- 20	7-Aug-97	LOCK CLOSURE, MISSISSIPPI RIVER, LOCK NO. 20, UMR MILE 343.0	19-Aug-97
MR 97- 21	14-Aug-97	LOCK CLOSURE, MISSISSIPPI RIVER, LOCK NO. 19, UMR MILE 364.2	21-Aug-97
MR 97- 22	9-Sep-97	LOCK CLOSURE, LOCK 19, MISSISSIPPI RIVER, UMR MILE 364.0	16-Sep-97
MR 97- 23	9-Sep-97	LOCK CLOSURE, LOCK AND DAM 13, MISSISSIPPI RIVER, UMR MILE 523.0	23-Sep-97
MR 97- 24	15-Sep-97	LOCK CLOSURE, MISSISSIPPI RIVER, LOCK AND DAM 11, UMR MILE 583.0	26-Sep-97
MR 97- 25	18-Sep-97	LOCK CLOSURE, MISSISSIPPI RIVER, LOCK AND DAM 14, UMR MILE 493.0	24-Sep-97
MR 97- 26	18-Sep-97	DREDGING, MISSISSIPPI RIVER, BASS ISLAND, UMR MILE 447.6	21-Sept-97 until further notice
MR 97- 27	25-Sep-97	DREDGING, BENTON ISLAND, MISSISSIPPI RIVER, UMR MILE 420.0	28-Sept-97 until further notice
MR 97- 28	10-Oct-97	UPPER MISSISSIPPI RIVER ICE CONDITIONS, UMR MILE 301.2 - 615.1, LEGAL NOTICE TO NAVIGATION	

## **MISSISSIPPI RIVER 1997 NAVIGATION NOTICE**

<b>NUMBER</b>	<b>DATE</b>	<b>SUBJECT/LOCATION</b>	<b>EFFECTIVE DATE</b>
MR 97- 29	10-Oct-97	DREDGING, MISSISSIPPI RIVER, LOWER LOCK 22, UMR MILE 300.8	12-Oct-97 until further notice
MR 97- 30	21-Oct-97	LOCK CLOSURE, MISSISSIPPI RIVER, LOCK AND DAM 14, UMR MILE 493.0	24-Oct-97
MR 97- 31	21-Oct-97	LOCK CLOSURE, MISSISSIPPI RIVER, LOCK AND DAM 11, UMR MILE 583.0	4-Nov-97
MR 97- 32	21-Oct-97	THIRD NOTICE, LOCK CLOSURE, MISSISSIPPI RIVER, LOCK NO. 14, UMR MILE 493.0	1-Dec-97 to 6-Mar-98
MR 97- 33	23-Oct-97	DREDGING, MISSISSIPPI RIVER, HOGBACK ISLAND, UMR MILE 331.5	24-Oct-97 until further notice
MR 97- 34	27-Oct-97	DREDGING, MISSISSIPPI RIVER, LA GRANGE ISLAND, UMR MILE 336.5	30-Oct-97 until further notice
MR 97- 35	30-Oct-97	DREDGING, MISSISSIPPI RIVER, BENTON ISLAND, UMR MILE 419.5	3-Nov-97 until further notice
MR 97- 36	4-Nov-97	FOURTH NOTICE, LOCK CLOSURE, MISSISSIPPI RIVER, LOCK/DAM 14, UMR MILE 493.0	1-Dec-97 to 6-Mar-98
MR 97- 37	4-Nov-97	DREDGING, HERSHEY CHUTE, MISSISSIPPI RIVER, UMR MILE 461.3	10-Nov-97 until further notice
MR 97- 38	10-Dec-97	LOCK CLOSURE, MISSISSIPPI RIVER, LOCK AND DAM 19, UMR MILE 364.0	5-Jan-98 to 7-Feb-98
MR 97- 39	10-Dec-97	LOCK CLOSURE, MISSISSIPPI RIVER, LOCKS AND DAMS 20, 21, AND 22, UMR MILE 301.0 – 343.0	21-Dec-97 to 28-Feb-98 & 15-Dec-97 to 28-Feb-98
MR 97- 40	19-Dec-97	WINTER LOCKAGE HOURS, MISSISSIPPI RIVER, LOCKS AND DAMS 15,16,17, AND 18	22-Dec-97 to 28-Feb-98



**US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>5 FEBRUARY 1997</b>

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Location:	Effective Period:
<b>SEE BELOW</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**OD-M**

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## **LOCK CLOSURE, MISSISSIPPI RIVER**

### **LOCK NO. 21, UMR MILE 325.0**

- 1. LOCK NO. 21, UMR Mile 325.0, will be closed to all navigation from 0700 on 11 February 1997 to 1800 on 13 February 1997. Lock closure is required for the replacement of machinery reduction gear box and vertical shaft on the lower land miter gate.**
- 2. Tows are requested NOT to tie up on the guidewalls during the closure period.**

**FOR THE DISTRICT ENGINEER:**

**JAMES H. BLANCHAR, P.E.  
Chief, Operations Division**

**MR 97-01**



**US ARMY CORPS  
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ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>28 FEBRUARY 1997</b>

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Location:	Effective Period:
<b>UMR MILE 343.0</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**OD-MM**

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**LOCK CLOSURE, LOCK AND DAM 20  
MISSISSIPPI RIVER, UMR MILE 343.0**

- 1. LOCK AND DAM No. 20, UMR Mile 343.0, will be closed to all river traffic on 18 - 19 March from 0700 to 1900 hours for the purpose of installing the repaired upper and lower gates.**
- 2. Towboat operators are requested NOT to tie up on the guidewalls during these closure periods.**
- 3. This notice is subject to change pending river conditions at time of closure.**

**FOR THE DISTRICT ENGINEER:**

**JAMES H. BLANCHAR, P.E.  
Chief, Operations Division**

**MR 97-02**



US ARMY CORPS  
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ROCK ISLAND  
DISTRICT

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>28 FEBRUARY 1997</b>

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Location:	Effective Period:
<b>UMR MILE 301.0</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**OD-MV**

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## LOCK CLOSURES, MISSISSIPPI RIVER

### LOCK AND DAM 22, UMR MILE 301.0

1. LOCK AND DAM NO. 22, UMR 301.0, will be closed to all river traffic on 11 March from 0700 to 1900 hours for the purpose of replacing the gear box on the #4 miter gate.
2. Towboat operators are requested NOT to tie up on the guidewalls during these closure periods.
3. This notice is subject to change pending river conditions at time of closure.

FOR THE DISTRICT ENGINEER:

**JAMES H. BLANCHAR, P.E.**  
Chief, Operations Division

MR 97-03



**US ARMY CORPS  
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ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>12 MARCH 1997</b>

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Location:	Effective Period:
<b>UMR MILE 325.0</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**OD-MM**

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**LOCK CLOSURE, LOCK AND DAM 21  
MISSISSIPPI RIVER, UMR MILE 325.0**

- 1. LOCK AND DAM No. 21, UMR Mile 325.0, will be closed to all river traffic on 23 March from 0700 to 1900 hours and on 24 March from 0700 to 1900 hours for the purpose of replacing the pintle ball and bushing on #2 miter gate. The # 4 miter gate will be removed for repair and replaced with a spare gate section.**
- 2. Towboat operators are requested NOT to tie up on the guidewalls during these closure periods.**
- 3. This notice is subject to change pending river conditions at time of closure.**

**FOR THE DISTRICT ENGINEER:**

**JAMES H. BLANCHAR, P.E.  
Chief, Operations Division**

**MR 97-04**



**US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>12 MARCH 1997</b>

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Location:	Effective Period:
<b>SEE BELOW</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**OD-T**

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## **SHOALING, MISSISSIPPI RIVER**

**UMR MILE 461.3 TO 461.5**

- 1. Shoaling exists mid-channel at Hershey Chute Upper, UMR Miles 461.3 - 461.5. Depths of less than 9.0 feet were recorded outside of the green buoy line with a water surface elevation of 545.1.**
- 2. Mariners are advised to favor the channel centerline while transiting the area.**
- 3. EXTREME CAUTION is advised while transiting the area.**

**FOR THE DISTRICT ENGINEER:**

**JAMES H. BLANCHAR, P.E.  
Chief, Operations Division**

**MR 97-05**



**US ARMY CORPS  
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DISTRICT

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>14 MARCH 1997</b>

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Location:	Effective Period:
<b>UMR MILE 438.0</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**OD-M**

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## **EROSION, MISSISSIPPI RIVER UMR MILE 438.0**

Due to erosion of Illinois shoreline adjacent to Bay Island Levee, vicinity of UMR Mile 438.0 (upper lock area), mariners are URGED to avoid the area as much as possible, and/or minimize propeller/rudder action which would cause further deterioration of the shoreline.

**FOR THE DISTRICT ENGINEER:**

**JAMES H. BLANCHAR, P.E.**  
Chief, Operations Division

**MR 97-06**



**US ARMY CORPS  
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ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>26 MARCH 1997</b>

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Location:	Effective Period:
<b>UMR MILE 522.5</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**OD-MM**

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**LOCK CLOSURE, LOCK AND DAM 13  
MISSISSIPPI RIVER, UMR MILE 522.5**

- 1. LOCK AND DAM No. 13, UMR Mile 522.5, will be closed to all river traffic on 2 April 1997, from 0700 to 1900 hours, for the purpose of removing the damaged #2 miter gate and installing a spare miter gate.**
- 2. Towboat operators are requested NOT to tie up on the guidewalls during these closure periods.**
- 3. This notice is subject to change pending river conditions at time of closure.**

**FOR THE DISTRICT ENGINEER:**

**JAMES H. BLANCHAR, P.E.  
Chief, Operations Division**

**MR 97-07**



**US ARMY CORPS  
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ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River:  
**MISSISSIPPI RIVER**

Date:  
**28 APRIL 1997**

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Location:  
**LOCK/DAM 14,  
UMR MILE 493.3**

Effective Period:  
**SEE BELOW**

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In Reply Refer to:  
**OD-MV**

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**\*\*SECOND NOTICE\*\*SECOND NOTICE\*\*SECOND NOTICE\*\***

**LOCK CLOSURE, MISSISSIPPI RIVER**

**LOCK NO. 14, UMR MILE 493.0**

**LOCK NO. 14, UMR Mile 493.0, will be closed to all navigation from 0730 on 1 December 1997 to 0730 on 6 March 1998 so that the lock can be dewatered to perform major rehabilitation and maintenance work.**

**Tows are requested NOT to tie up on the guidewalls during the closure period.**

**FOR THE DISTRICT ENGINEER:**

**JAMES H. BLANCHAR, P.E.  
Chief, Operations Division**

**MR 97-08**



**US ARMY CORPS  
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ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>14 MAY 1997</b>

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Location:	Effective Period:
<b>SEE BELOW</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**OD-T**

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## **SHOALING, MISSISSIPPI RIVER**

**UMR MILE 300.5 - 301.0**

- 1. Shoaling exists at Lock and Dam 22 lower approach, UMR Miles 300.5 to 301.0. Recent surveys show that shallow water conditions will exist throughout the navigation channel in this area when the lower gage at Lock and Dam 22 reads 9.0 feet or less. It is anticipated that the lower gage will approach this reading by 25 - 28 May 1997.**
- 2. A dredge is scheduled to be on site by 27 May 1997.**
- 3. EXTREME CAUTION is advised.**

**FOR THE DISTRICT ENGINEER:**

**JAMES H. BLANCHAR, P.E.  
Chief, Operations Division**

**MR 97-09**



US ARMY CORPS  
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ROCK ISLAND  
DISTRICT

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>20 MAY 1997</b>

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Location:	Effective Period:
<b>UMR MILE 300.8</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**OD-T**

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**DREDGING, MISSISSIPPI RIVER  
LOCK AND DAM 22 LOWER APPROACH  
UMR MILE 300.8**

1. The Dredge Clara Andrie will commence channel maintenance dredging operations at the lower approach to Lock and Dam 22, UMR mile 300.8, on 27 May 1997. The dredge will be working 24 hours per day, 7 days per week, until further notice.
2. Mariners are requested to contact the dredge on channel 13 or 16 for passing instructions. The dredge and pipeline will have to be moved off channel to allow transiting of the area.
3. **EXTREME CAUTION** is advised.

FOR THE DISTRICT ENGINEER:

**JAMES H. BLANCHAR, P.E.**  
Chief, Operations Division

**MR 97-10**



US ARMY CORPS  
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ROCK ISLAND  
DISTRICT

# Navigation Notice

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River:	Date:
MISSISSIPPI RIVER	22 MAY 1997

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Location:	Effective Period:
UMR MILE 300.8	SEE BELOW

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In Reply Refer to:  
OD-T

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**\*\*REVISED\*\*REVISED\*\*REVISED\*\*REVISED\*\*REVISED\*\***

**DREDGING, MISSISSIPPI RIVER  
LOCK AND DAM 22 LOWER APPROACH  
UMR MILE 300.8**

1. The Dredge WILLIAM A. THOMPSON will commence channel maintenance dredging operations at the lower approach to Lock and Dam 22, UMR Mile 300.8, on 27 May 1997. The dredge will be working 24 hours per day, 7 days per week, until further notice.
2. Mariners are requested to contact the dredge on channel 13 or 16 for passing instructions. The dredge and pipeline will have to be moved off channel to allow transiting of the area.
3. EXTREME CAUTION is advised.

FOR THE DISTRICT ENGINEER:

**JAMES H. BLANCHAR, P.E.  
Chief, Operations Division**

**MR 97-11**



**US ARMY CORPS  
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ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River: **MISSISSIPPI RIVER**      Date: **11 JUNE 1997**

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Location: **UMR MILE 484.6 - 484.9**      Effective Period: **SEE BELOW**

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In Reply Refer to:  
**OD-MV**

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## **EROSION, MISSISSIPPI RIVER**

**UMR MILE 484.6 - 484.9**

Due to severe erosion of the right descending bank in the vicinity of UMR Mile 484.6 to 484.9 (Davenport/Bettendorf, Iowa), mariners are **URGED** to avoid the area as much as possible and minimize wheel wash which would cause further deterioration of the shoreline and the exposed government interceptor sewer. The US Army Corps of Engineers will begin placement of new bank protection at this location on or about 16 June 1997.

**FOR THE DISTRICT ENGINEER:**

**JAMES H. BLANCHAR, P.E.  
Chief, Operations Division**

**MR 97-12**



**US ARMY CORPS  
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ROCK ISLAND  
DISTRICT

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>12 JUNE 1997</b>

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Location:	Effective Period:
<b>UMR MILE 482.8</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**OD-T**

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## **SHOALING/DREDGING, MISSISSIPPI RIVER**

### **LOCK AND DAM 15 LOWER APPROACH**

#### **UMR MILE 482.8**

1. Shoaling exists at Lock and Dam 15 lower approach, UMR Mile 482.8. The US Army Corps of Engineers commenced mechanical dredging operations in this location on 12 June 1997.
2. Mariners are advised to contact the lock for passing instructions.

**FOR THE DISTRICT ENGINEER:**

**JAMES H. BLANCHAR, P.E.**  
**Chief, Operations Division**

**MR 97-13**



**US ARMY CORPS  
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ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>17 JUNE 1997</b>

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Location:	Effective Period:
<b>UMR MILE 325.0</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**OD-M**

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## **TOW HAULAGE UNIT**

### **LOCK AND DAM 21**

#### **MISSISSIPPI RIVER, UMR MILE 325.0**

- 1. The Tow Haulage Unit at Lock and Dam 21, UMR Mile 325.0, is out of service until further notice.**
- 2. Towboat Operators are required to use a bow boat when double locking.**

**FOR THE DISTRICT ENGINEER:**

**JAMES H. BLANCHAR, P.E.  
Chief, Operations Division**

**MR 97-14**



**US ARMY CORPS  
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ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>19 JUNE 1997</b>

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Location:	Effective Period:
<b>UMR MILE 331.5</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**OD-T**

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## **DREDGING**

### **MISSISSIPPI RIVER, UMR MILE 331.5**

- 1. The Dredge William A. Thompson will commence channel maintenance dredging at Hogback, UMR Mile 331.5, on 20 June 1997. The dredge will be working 24 hours per day, seven days per week until further notice.**
- 2. Mariners are requested to contact the dredge on channel 13 or 16 for passing instructions.**
- 3. CAUTION is advised while transiting the area.**

**FOR THE DISTRICT ENGINEER:**

**JAMES H. BLANCHAR, P.E.  
Chief, Operations Division**

**MR 97-15**



**US ARMY CORPS  
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ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>26 JUNE 1997</b>

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Location:	Effective Period:
<b>UMR MILE 355.3</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**OD-T**

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## **DREDGING**

### **MISSISSIPPI RIVER, UMR MILE 355.3**

- 1. The Dredge William A. Thompson will commence channel maintenance dredging at Fox Island, UMR Mile 355.3, on 27 June 1997. The dredge will be working 24 hours per day, seven days per week until further notice.**
- 2. Mariners are requested to contact the dredge on channel 13 or 16 for passing instructions.**
- 3. CAUTION is advised while transiting the area.**

**FOR THE DISTRICT ENGINEER:**

**JAMES H. BLANCHAR, P.E.  
Chief, Operations Division**

**MR 97-16**



US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT

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# Navigation Notice

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River:	Date:
MISSISSIPPI RIVER	27 JUNE 1997

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Location:	Effective Period:
UMR MILE 355.3	27 JUNE 1997

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In Reply Refer to:  
OD-T

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**\*\*CANCELED\*\*CANCELED\*\*CANCELED\*\*CANCELED\***

THE FOLLOWING INFORMATION IS FROM NAVIGATION NOTICE  
MR 97-16. THIS WORK HAS BEEN CANCELED.

## DREDGING

MISSISSIPPI RIVER, UMR MILE 355.3

1. The Dredge William A. Thompson will commence channel maintenance dredging at Fox Island, UMR Mile 355.3, on 27 June 1997. The dredge will be working 24 hours per day, seven days per week until further notice.
2. Mariners are requested to contact the dredge on channel 13 or 16 for passing instructions.
3. CAUTION is advised while transiting the area.

FOR THE DISTRICT ENGINEER:

JAMES H. BLANCHAR, P.E.  
Chief, Operations Division

MR 97-17



**US ARMY CORPS  
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ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River:  
**MISSISSIPPI RIVER**

Date:  
**30 JUNE 1997**

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Location:  
**LOCK/DAM 21, UMR MILE 325.0**

Effective Period:  
**22 JULY 1997**

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In Reply Refer to:  
**OD-M**

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## **LOCK CLOSURE, MISSISSIPPI RIVER**

### **LOCK NO. 21, UMR MILE 325.0**

- 1. LOCK NO. 21, UMR Mile 325.0, will be closed to all navigation on 22 July 1997 from 0700 to 1900 hours for the purpose of replacing the #4 miter gate. The spare gate section will be removed and replaced with the reconditioned original gate.**
- 2. Tows are requested NOT to tie up on the guidewalls during the closure period.**
- 3. This notice is subject to change pending river conditions at time of closure.**

**FOR THE DISTRICT ENGINEER:**

**JAMES H. BLANCHAR, P.E.  
Chief, Operations Division**

**MR 97-18**



**US ARMY CORPS  
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ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River:  
**MISSISSIPPI RIVER**

Date:  
**30 JUNE 1997**

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Location:  
**LOCK/DAM 20, UMR MILE 343.0**

Effective Period:  
**24 JULY 1997**

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In Reply Refer to:  
**OD-MM**

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## **LOCK CLOSURE, MISSISSIPPI RIVER**

### **LOCK NO. 20, UMR MILE 343.0**

- 1. LOCK NO. 20, UMR Mile 343.0, will be closed to all navigation on 24 July 1997 from 0700 to 1900 hours for the purpose of replacing the #1 miter gate. The spare gate section will be removed and replaced with the repaired original gate.**
- 2. Tows are requested NOT to tie up on the guidewalls during the closure period.**
- 3. This notice is subject to change pending river conditions at time of closure.**

**FOR THE DISTRICT ENGINEER:**

**JAMES H. BLANCHAR, P.E.  
Chief, Operations Division**

**MR 97-19**



**US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>7 August 1997</b>
Location:	Effective Period:
<b>LOCK/DAM 20, UMR MILE 343.0</b>	<b>19 August 1997</b>

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In Reply Refer to:  
**OD-MM**

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## **LOCK CLOSURE, MISSISSIPPI RIVER**

### **LOCK NO. 20, UMR MILE 343.0**

**LOCK NO. 20, UMR Mile 343.0, will be closed to all navigation on 19 August 1997 from 0700 to 1900 hours for the purpose of removing the #1 spare gate. The spare gate section will be removed and replaced with the repaired #1 miter gate.**

**Tows are requested NOT to tie up on the guidewalls during the closure period.**

**This notice is subject to change pending river conditions at time of closure.**

**FOR THE DISTRICT ENGINEER:**

**JAMES H. BLANCHAR, P.E.  
Chief, Operations Division**

**MR 97-20**



**US ARMY CORPS  
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ROCK ISLAND  
DISTRICT

# Navigation Notice

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River:	MISSISSIPPI RIVER	Date:	14 August 1997
Location:	LOCK/DAM 19, UMR MILE 364.2	Effective Period:	21 August 1997

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In Reply Refer to:  
OD-MV

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## LOCK CLOSURE, MISSISSIPPI RIVER

### LOCK NO. 19, UMR MILE 364.2

LOCK NO. 19, UMR Mile 364.2, will be closed to all navigation on  
the following dates:

21 August 1997	0700 to 1900 hours	replacement of strut arm on lower miter gate
27 August 1997	0700 to 1900 hours	replacement of 2 <sup>nd</sup> strut arm on lower miter gate
3 September 1997	0700 to 1900 hours	removal of guard gate and replacement of gate seals

Tows are requested NOT to tie up on the guidewalls during the closure  
periods.

**RAYMOND J. HORTON, P.E.**  
Assistant Chief, Operations Division

MR 97-21



**US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>9 SEPTEMBER 1997</b>

---

Location:	Effective Period:
<b>UMR MILE 364.0</b>	<b>SEE BELOW</b>

---

In Reply Refer to:  
**OD-MM**

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**LOCK CLOSURE, LOCK 19  
MISSISSIPPI RIVER, UMR MILE 364.0**

- 1. LOCK No. 19, UMR Mile 364.0, will be closed to all navigation on 16 September from 0700 to 1900 hours for the purpose of replacing the guard gate.**
- 2. Towboat operators are requested NOT to tie up on the guidewalls during these closure periods.**
- 3. This notice is subject to change pending river conditions at time of closure.**

**STEVEN D. RUSSELL, P.E.  
Chief, Management Support Branch**

**MR 97-22**



US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT

# Navigation Notice

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River:	Date:
MISSISSIPPI RIVER	9 SEPTEMBER 1997

---

Location:	Effective Period:
UMR MILE 523	SEE BELOW

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In Reply Refer to:  
OD-MM

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**LOCK CLOSURE, LOCK AND DAM 13  
MISSISSIPPI RIVER, UMR MILE 523.0**

1. LOCK AND DAM No. 13, UMR Mile 523.0, will be closed to all navigation on 23 September from 0700 to 1900 hours for the purpose of replacing the #2 miter gate.
2. Towboat operators are requested NOT to tie up on the guidewalls during these closure periods.
3. This notice is subject to change pending river conditions at time of closure.

STEVEN D. RUSSELL, P.E.  
Chief, Management Support Branch

MR 97-23



US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT

# Navigation Notice

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River:	Date:
MISSISSIPPI RIVER	15 SEPTEMBER 1997

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Location:	Effective Period:
LOCK AND DAM #11 UMR MILE 583.0	26 SEPTEMBER 1997

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In Reply Refer to:  
OD-MM

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**LOCK CLOSURE,  
MISSISSIPPI RIVER,  
LOCK AND DAM 11, UMR MILE 583.0**

**LOCK AND DAM No. 11, UMR Mile 583.0, will be closed to all navigation on 26 September 1997 from 0700 to 1900 hours for the purpose of replacing the #3 miter gate.**

**Towboat operators are requested NOT to tie up on the guidewalls during these closure periods.**

**This notice is subject to change pending river conditions at time of closure.**

**FOR THE DISTRICT ENGINEER:**

**JAMES H. BLANCHAR, P.E.  
Chief, Operations Division**

**MR 97-24**



US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>18 SEPTEMBER 1997</b>

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Location:	Effective Period:
<b>LOCK AND DAM 14 UMR MILE 493.0</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**OD-MV**

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**LOCK CLOSURE,  
MISSISSIPPI RIVER,  
LOCK AND DAM 14, UMR MILE 493.0**

- 1. LOCK AND DAM No. 14, UMR Mile 493.0, will be closed to all navigation on 24 September 1997 from 0800 to 1600 hours for underwater inspection of the miter gate sills and bulkhead slots.**
- 2. Towboat operators are requested NOT to tie up on the guidewalls during the closure period.**

**RAYMOND J. HORTON, P.E.  
Assistant Chief, Operations Division**

**MR 97-25**



**US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>18 SEPTEMBER 1997</b>

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Location:	Effective Period:
<b>BASS ISLAND UMR MILE 447.6</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**OD-T**

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## **DREDGING**

**MISSISSIPPI RIVER,**

**BASS ISLAND, UMR MILE 447.6**

- 1. The Dredge William A. Thompson will commence channel maintenance dredging at BASS ISLAND, UMR Mile 447.6, on 21 September 1997. The dredge will be working 24 hours per day, seven days per week until further notice.**
- 2. Mariners are requested to contact the dredge on channel 13 or 16 for passing instructions.**
- 3. EXTREME CAUTION is advised while transiting the area.**

**RAYMOND J. HORTON, P.E.  
Assistant Chief, Operations Division**

**MR 97-26**



**US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>25 SEPTEMBER 1997</b>

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Location:	Effective Period:
<b>BENTON ISLAND UMR MILE 420.0</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**OD-T**

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## **DREDGING**

### **BENTON ISLAND**

**MISSISSIPPI RIVER, UMR MILE 420.0**

The Dredge William A. Thompson will commence channel maintenance dredging at Benton Island, UMR Mile 420.0, on 28 September 1997. The dredge will be working 24 hours per day, seven days per week until further notice.

Mariners are requested to contact the dredge on channel 13 or 16 for passing instructions.

**EXTREME CAUTION** is advised while transiting the area.

**STEVEN D. RUSSELL, P.E.**  
Chief, Management Support Branch

**MR 97-27**



US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT

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# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>10 OCTOBER 1997</b>
Location:	Effective Period:
<b>SEE BELOW</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**CENCR-OD-MV**                      **LEGAL NOTICE TO NAVIGATION**

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UPPER MISSISSIPPI RIVER ICE CONDITIONS  
UMR MILE 301.2 - 615.1

1. All tows are cautioned to be alert for changing conditions and possible hazards due to ice formations. Severe navigation problems can always be expected throughout the ice forming season.
2. Gorged ice becomes a particular hazard when attempts are made to drive barges through the formation. Barges forced through or over gorged ice are frequently holed, stoved in or buckled, which usually results in sinking. Navigators are advised to exercise due caution to avoid sinking barges and subsequent blockage of the navigation channel. Gorged ice may also create unusual currents and high localized flow or outdraft conditions due to water bypassing the temporary dam formed by the gorge. Navigators approaching an ice gorge should make certain that the towboat has sufficient power to properly control the number of barges in tow under such unusual conditions of flow.
3. Sheet ice will at times prevent opening of the upper and lower miter gates. When the miter gates cannot be fully opened into recesses, they are highly vulnerable to extensive damage from tows entering or departing the lock chamber. Navigators are cautioned to exercise extreme care when entering or departing the lock chamber to avoid damage to the miter gates. When ice builds up to the extent that full usage of the lock chamber is prohibited, length and/or width restrictions will be imposed on lockages.
4. During periods of heavy icing, all towboat operators are required to arrange their tows so that recoupling does not occur between box end barges during a lockage. Rake to box ice couplings should be incorporated into tow configurations by industry on or before 1 November. In the past, ice trapped between box barges has caused long delays in coupling the two sections of a tow, thereby impeding flow of traffic through the locks.

CENCR-OD-MV

Legal Notice to Navigation:

Mississippi River  
Ice Conditions  
UMR Mile 301.2 - 615.1

5. If a tow is arranged so that recoupling occurs between box end barges and the lockage will result in unusual delays to navigation, the Lockmaster will require loss of lock turn or double-tripping and use of an industry-provided helper boat. If double-tripping is required, the tow will lock through in sections with a towboat attending each section, and each section of the tow will be moved out of the lock approach before recoupling.

6. Consideration will also be given to limiting size of tows if heavy ice conditions warrant observation during past severe winters indicates that eight jumbo barges (two wide) appear to be the best configuration to allow adequate traffic movement. Notice will be given if conditions warrant the limitation of the size and/or configuration of tows.

7. The immediate concern in this area is not limited to financial responsibility for the damages to navigation structures. A primary objective is to eliminate all preventable incidents that will delay traffic.

FOR THE DISTRICT ENGINEER:

JAMES H. BLANCHAR, P.E.  
Chief, Operations Division

MR 97-28



**US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>10 OCTOBER 1997</b>

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Location:	Effective Period:
<b>LOWER LOCK 22 UMR MILE 300.8</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**OD-T**

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## **DREDGING**

### **MISSISSIPPI RIVER**

#### **LOWER LOCK 22, UMR MILE 300.8**

The Dredge William A. Thompson will commence channel maintenance dredging at LOWER LOCK 22, UMR Mile 300.8, on 12 October 1997. The dredge will be working 24 hours per day, seven days per week until further notice.

Mariners are requested to contact the dredge on channel 13 or 16 for passing instructions.

**CAUTION** is advised while transiting the area.

**STEVEN D. RUSSELL, P.E.**  
Chief, Management Support Branch

**MR 97-29**



US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT

# Navigation Notice

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River:	Date:
MISSISSIPPI RIVER	21 OCTOBER 1997

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Location:	Effective Period:
LOCK AND DAM 14 UMR MILE 493.0	24 OCTOBER 1997

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In Reply Refer to:  
OD-MV

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**LOCK CLOSURE,  
MISSISSIPPI RIVER,  
LOCK AND DAM 14, UMR MILE 493.0**

**LOCK AND DAM No. 14, UMR Mile 493.0, will be closed to all navigation on 24 October 1997 from 0730 to 1530 hours for major rehabilitation work by the contractor.**

**Tows of two barge widths or less MAY be able to pass, depending on tow configuration and contractor activities at the time. Contact the Lockmaster on channel 14 for lockage instructions.**

**Towboat operators are requested NOT to tie up on the guidewalls during the closure period.**

**FOR THE DISTRICT ENGINEER:**

**JAMES H. BLANCHAR, P.E.  
Chief, Operations Division**

**MR 97-30**



US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT

# Navigation Notice

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River:	Date:
MISSISSIPPI RIVER	21 OCTOBER 1997

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Location:	Effective Period:
LOCK AND DAM #11 UMR MILE 583.0	4 NOVEMBER 1997

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In Reply Refer to:  
OD-MV

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**LOCK CLOSURE,  
MISSISSIPPI RIVER,  
LOCK AND DAM 11, UMR MILE 583.0**

**LOCK AND DAM No. 11, UMR Mile 583.0, will be closed to all navigation on 4 November 1997 from 0700 to 1900 hours for the purpose of replacing the #3 miter gate.**

**Towboat operators are requested NOT to tie up on the guidewalls during the closure periods.**

**This notice is subject to change pending river conditions at time of closure.**

**FOR THE DISTRICT ENGINEER:**

**JAMES H. BLANCHAR, P.E.  
Chief, Operations Division**

**MR 97-31**



**US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River:  
**MISSISSIPPI RIVER**

Date:  
**21 OCTOBER 1997**

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Location:  
**LOCK/DAM 14,  
UMR MILE 493.3**

Effective Period:  
**SEE BELOW**

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In Reply Refer to:  
**OD-MV**

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**\*\*THIRD NOTICE\*\*THIRD NOTICE\*\*THIRD NOTICE\*\***

**LOCK CLOSURE, MISSISSIPPI RIVER**

**LOCK NO. 14, UMR MILE 493.0**

**LOCK NO. 14, UMR Mile 493.0, will be closed to all navigation from 0730 on 1 December 1997 to 0730 on 6 March 1998 so that the lock can be dewatered to perform major rehabilitation and maintenance work.**

**Tows are requested NOT to tie up on the guidewalls during the closure period.**

**FOR THE DISTRICT ENGINEER:**

**JAMES H. BLANCHAR, P.E.  
Chief, Operations Division**

**MR 97-32**



**US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>23 OCTOBER 1997</b>

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Location:	Effective Period:
<b>HOGBACK ISLAND UMR MILE 331.5</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**OD-T**

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## **DREDGING**

**MISSISSIPPI RIVER,**

**HOGBACK ISLAND, UMR MILE 331.5**

- 1. The Dredge William A. Thompson will commence channel maintenance dredging at Hogback Island, UMR Mile 331.5, on 24 October 1997. The dredge will be working 24 hours per day, until further notice.**
- 2. Mariners are requested to contact the dredge on channel 13 or 16 for passing instructions.**
- 3. CAUTION is advised while transiting the area.**

**FOR THE DISTRICT ENGINEER:**

**JAMES H. BLANCHAR, P.E.  
Chief, Operations Division**

**MR 97-33**



**US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>27 OCTOBER 1997</b>

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Location:	Effective Period:
<b>LA GRANGE ISLAND UMR MILE 336.5</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**OD-T**

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**DREDGING  
MISSISSIPPI RIVER,  
LA GRANGE ISLAND, UMR MILE 336.5**

The Dredge William A. Thompson will commence channel maintenance dredging at LA GRANGE ISLAND, UMR Mile 336.5, on 30 October 1997. The dredge will be working 24 hours per day, until further notice.

Mariners are requested to contact the dredge on channel 13 or 16 for passing instructions.

**EXTREME CAUTION** is advised while transiting the area.

**RAYMOND J. HORTON, P.E.  
Assistant Chief, Operations Division**

**MR 97- 34**



**US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>30 OCTOBER 1997</b>

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Location:	Effective Period:
<b>BENTON ISLAND UMR MILE 419.5</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**OD-T**

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## **DREDGING**

**MISSISSIPPI RIVER,  
BENTON ISLAND, UMR MILE 419.5**

The Dredge William A. Thompson will resume channel maintenance dredging at BENTON ISLAND, UMR Mile 419.5, on 3 November 97. The dredge will be working 24 hours per day, 7 days per week until further notice.

Mariners are requested to contact the dredge on channel 13 or 16 for passing instructions.

**EXTREME CAUTION** is advised while transiting the area.

**RAYMOND J. HORTON, P.E.**  
Assistant Chief, Operations Division

**MR 97-35**



**US ARMY CORPS  
OF ENGINEERS**  
ROCK ISLAND  
DISTRICT

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>04 NOVEMBER 1997</b>

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Location:	Effective Period:
<b>LOCK/DAM 14, UMR MILE 493.0</b>	<b>SEE BELOW</b>

---

In Reply Refer to:  
**OD-MV**

---

**\*\*FOURTH NOTICE\*\*FOURTH NOTICE\*\*FOURTH NOTICE\*\***

**LOCK CLOSURE, MISSISSIPPI RIVER**

**LOCK/DAM 14, UMR MILE 493.0**

**LOCK NO. 14, UMR Mile 493.0, will be closed to all navigation from 0730 on 1 December 1997 through 0730 on 6 March 1998 so that the lock can be dewatered to perform major rehabilitation and maintenance work.**

**Towboat operators are requested NOT to tie up on the guidewalls during this closure period.**

**STEVEN D. RUSSELL, P.E.**  
**Chief, Management Support Branch**

**MR 97-36**



**US ARMY CORPS  
OF ENGINEERS**  
ROCK ISLAND  
DISTRICT

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>04 NOVEMBER 1997</b>

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Location:	Effective Period:
<b>HERSHEY CHUTE UMR MILE 461.3</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**OD-T**

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## **DREDGING**

### **HERSHEY CHUTE**

#### **MISSISSIPPI RIVER, UMR MILE 461.3**

The Dredge William A. Thompson will commence channel maintenance dredging at Hershey Chute, UMR Mile 461.3 on 10 November 97. The dredge will be working 24 hours per day, 7 days per week until further notice.

Mariners are requested to contact the dredge on channel 13 or 16 for passing instructions.

**EXTREME CAUTION** is advised while transiting the area.

**STEVEN D. RUSSELL, P.E.**  
Chief, Management Support Branch

**MR 97-37**



US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>10 DECEMBER 1997</b>

---

Location:	Effective Period:
<b>LOCK/DAM 19 UMR MILE 364.0</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**OD-MV**

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**LOCK CLOSURE  
MISSISSIPPI RIVER,  
LOCK AND DAM 19, UMR MILE 364.0**

**Lock 19 will be closed to all navigation from 0730 on 5 January 1998 to 1700 on 7 February 1998 for maintenance and repair work on the lower miter gates.**

**Towboat operators are requested NOT to tie up on the guidewalls during the closure periods.**

**RAYMOND J. HORTON, P.E.  
Assistant Chief, Operations Division**

**MR 97-38**



**US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT**

# **Navigation Notice**

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>10 DECEMBER 1997</b>

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Location:	Effective Period:
<b>UMR MILE 301.0-343.0</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**OD-MV**

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**LOCK CLOSURE, MISSISSIPPI RIVER  
LOCKS AND DAMS 20, 21, AND 22  
UMR MILE 301.0 – 343.0**

**Commencing on 21 December 1997 through 28 February 1998, Locks and Dams 20, 21, and 22 will be available to traffic ONLY from 0800 to 1600 hours, 5 days per week (Monday through Friday).**

**A 70-ft. width restriction will be in effect at Lock and Dam 22 from 15 December 1997 through 28 February 1998 due to maintenance and repair work on the lower guide cell.**

**RAYMOND J. HORTON, P.E.  
Assistant Chief, Operations Division**

**MR 97-39**



**US ARMY CORPS  
OF ENGINEERS  
ROCK ISLAND  
DISTRICT**

# Navigation Notice

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River:	Date:
<b>MISSISSIPPI RIVER</b>	<b>19 DECEMBER 1997</b>

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Location:	Effective Period:
<b>L/D 15,16,17,18</b>	<b>SEE BELOW</b>

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In Reply Refer to:  
**OD-MV**

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**WINTER LOCKAGE HOURS  
MISSISSIPPI RIVER  
LOCKS AND DAMS 15,16,17, AND 18**

**Commencing on 22 December 1997 through 28 February 1998, Locks and Dams 15,16,17, and 18 will be available to traffic ONLY from 0800 to 1600 hours, 5 days per week (Monday through Friday).**

**STEVEN D. RUSSELL, P.E.  
Chief, Management Support Branch**

**MR 97-40**