UPSTREAM

DOWNSTREAM

HAMILTON, IL

KEOKUK, IA

21

23

24

363

364

1,961,000 1,357,000 1,960,000 1,959,000 1,356,000 1,958,000 1,957,000 1,355,000 1,956,000

1,358,000 1,361,000 1,359,000 1,360,000 1,355,000 1,355,000 1,356,000 1,357,000 1,354,000

1,959,000 1,360,000 1,958,000 1,957,000 1,359,000 1,956,000 1,955,000 1,954,000

US Army Corps of Engineers
Rock Island District

Approved	Date	Description	Symbol

Points represent shallowest depth value derived from 49 bed grid.
Map Document Grid is 1000' x 1000'

Designed By:		Date: 9/1/2021	
Drawn By:		File No.	
Checked By:		LS.O. Sheet File Name:	
Reviewed By:		Solicitation Number:	

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS

Sheet Reference Number
239 of 301

NOTES:

Survey Date: August 31, 2021
Conducted by: Chance S, Spencer R

Survey Vessel: Cormorant
Flat Pool: 480
Water Surface: 482.38
Stage: +2.46
Upstream Gage: Lock 19 Tail RM 364.3
Downstream Gage: Gregory Landing RM 352.9

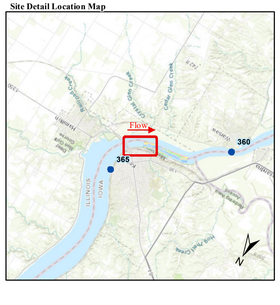
Processed in ArcGIS by: Barrie C 9/1/2021
Document Name: UM_20_MVR_20210831_CS_36173633_21A

Horizontal Projection: State Plane, NAD 1983 Illinois West - 1202, U.S. Survey Feet
Vertical Datum: MSL 1912 U.S. Survey Feet.

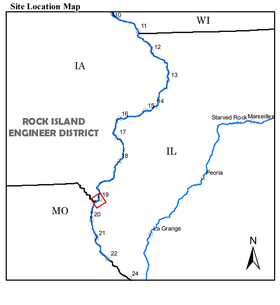
Imagery: 2015 USDA NAIP

The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general condition existing at that time.

Site Detail Location Map



Site Location Map



Depth (Ft)

-10'
0'
9'
10'
11'
20'
30'
50'

River Mile
- Mile
- Tenth

River Features
- Wing Dam Location

Lights
- Green
- Red
- White
- Yellow

Daybeacon
- NR: Rhombus, Red and White
- NG: Rhombus, Green and White
- SG: Square, Green
- TR: Triangle, Red

Lateral Buoys
- Green
- Red

Caution Areas
- Submerged Pipeline
- Submerged Pipe Area
- Submerged Cable
- Submerged Cable Area

US ARMY CORPS OF ENGINEERS
ROCK ISLAND DISTRICT
CEMVR - OD-T
WATERWAY: UPPER MISSISSIPPI RIVER
POOL: 20
REACH: Lock and Dam 19 Lower
REACH MILES: 362.9 to 364.1
SURVEY TYPE: Condition
COLLECTION TYPE: Singlebeam

1 " = 200 '
0 100 200 400 600 800 1,000 1,200 Feet

SURVEYED RIVER MILES: 361.7-363.3

UPSTREAM

DOWNSTREAM

1,955,000 1,954,000 1,953,000 1,952,000 1,951,000 1,950,000 1,354,000

1,355,000 1,356,000 1,357,000 1,358,000

24 22 20 11

BARGES

KEOKUK, IA

362

365

1,955,000 1,954,000 1,358,000 1,953,000 1,952,000 1,951,000 1,950,000 1,949,000

1,354,000 1,355,000 1,356,000 1,357,000

NOTES:

Survey Date: August 31, 2021

Conducted by: Chance S, Spencer R

Survey Vessel: Cormorant

Flat Pool: 480

Water Surface: 482.38

Stage: +2.46

Upstream Gage: Lock 19 Tail RM 364.3

Downstream Gage: Gregory Landing RM 352.9

Processed in ArcGIS by: Barrie C 9/1/2021

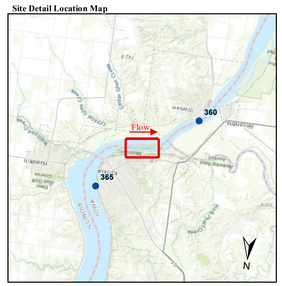
Document Name: UM_20_MVR_20210831_CS_36173633_21A

Horizontal Projection: State Plane, NAD 1983 Illinois West - 1202, U.S. Survey Feet
Vertical Datum: MSL 1912 U.S. Survey Feet.

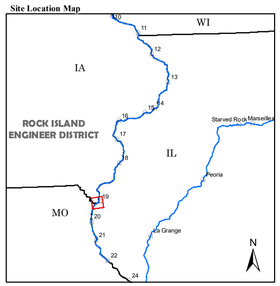
Imagery: 2015 USDA NAIP

The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general condition existing at that time.

Site Detail Location Map



Site Location Map



Depth (Ft)

-10'
0'
9'
15'
20'
30'
50'

River Mile
- Mile
- Tenth

River Features
- Wing Dam Location

Lights
- Green
- Red
- White
- Yellow

Daybeacon
- NR: Rhombus, Red and White
- NG: Rhombus, Green and White
- SG: Square, Green
- TR: Triangle, Red

Lateral Buoys
- Green
- Red

Caution Areas
- Submerged Pipeline
- Submerged Pipe Area
- Submerged Cable
- Submerged Cable Area

S E W N

1 " = 200 '

0 100 200 400 600 800 1,000 1,200 Feet

US ARMY CORPS OF ENGINEERS
ROCK ISLAND DISTRICT
CEMVR - OD-T
WATERWAY: UPPER MISSISSIPPI RIVER
POOL: 20
REACH: Keokuk
REACH MILES: 361.8 to 363
SURVEY TYPE: Condition
COLLECTION TYPE: Singlebeam

SURVEYED RIVER MILES: 361.7-363.3

US Army Corps of Engineers
Rock Island District

Symbol	Description	Date	Approved
	Points represent shallowest depth value derived from 49 foot grid. Map Document Grid is 1000' x 1000'		

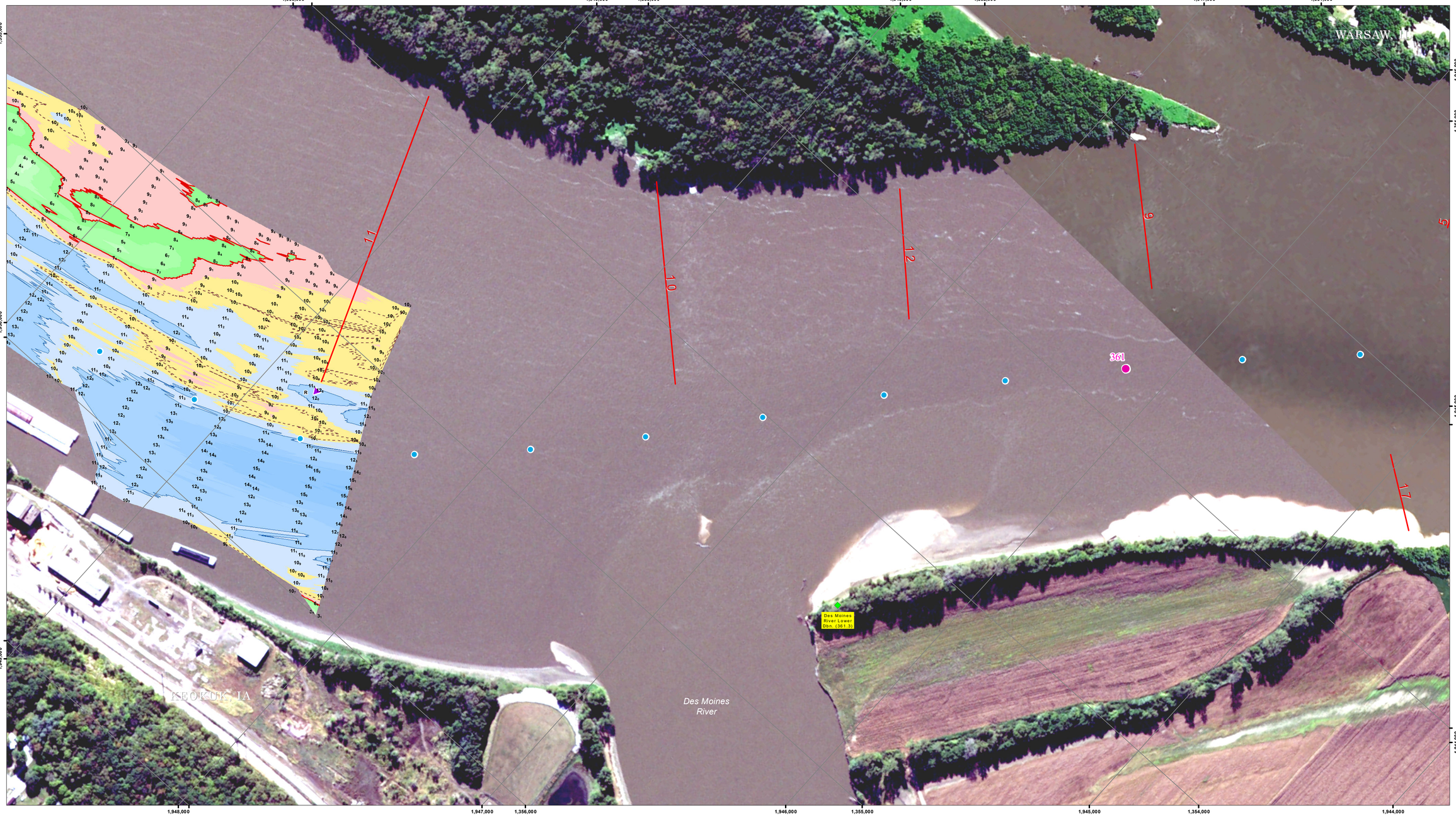
Date: 9/1/2021	
File No.	
L/S Cl. Sheet File Name:	
Solicitation Number:	
Designed By:	
Drawn By:	
Checked By:	
Reviewed By:	

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS

Sheet Reference Number
240 of 301

UPSTREAM

DOWNSTREAM



NOTES:

Survey Date: August 31, 2021

Conducted by: Chance S, Spencer R

Survey Vessel: Cormorant

Flat Pool: 480

Water Surface: 482.38

Stage: +2.46

Upstream Gage: Lock 19 Tail RM 364.3

Downstream Gage: Gregory Landing RM 352.9

Processed in ArcGIS by: Barrie C 9/1/2021

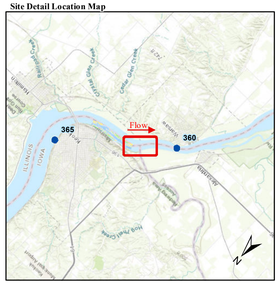
Document Name: UM_20_MVR_20210831_CS_36173633_21A

Horizontal Projection: State Plane, NAD 1983 Illinois West - 1202, U.S. Survey Feet
Vertical Datum: MSL 1912 U.S. Survey Feet.

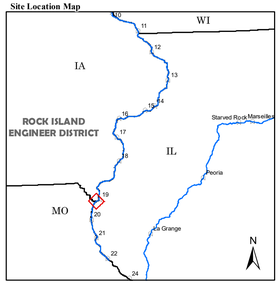
Imagery: 2015 USDA NAIP

The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general condition existing at that time.

Site Detail Location Map



Site Location Map



Depth (Ft)

River Mile
- Mile
- Tenth

River Features
- Wing Dam Location

Lights
- Green
- Red
- White
- Yellow

Daybeacon
- NR: Rhombus, Red and White
- NG: Rhombus, Green and White
- SG: Square, Green
- TR: Triangle, Red

Lateral Buoys
- Green
- Red

Caution Areas
- Submerged Pipeline
- Submerged Pipe Area
- Submerged Cable
- Submerged Cable Area

US ARMY CORPS OF ENGINEERS
ROCK ISLAND DISTRICT
CEMVR - OD-T
WATERWAY: UPPER MISSISSIPPI RIVER
POOL: 20
REACH: Des Moines River
REACH MILES: 360.7 to 362
SURVEY TYPE: Condition
COLLECTION TYPE: Singlebeam

1 " = 200 '

0 100 200 400 600 800 1,000 1,200 Feet

SURVEYED RIVER MILES: 361.7-363.3

US Army Corps of Engineers
Rock Island District

Symbol	Description	Date	Approved
	Points represent shallowest depth value derived from 49 focal grid. Map Document Grid is 1000' x 1000'		

Date: 9/1/2021
File No.
LS.O. Sheet File Name:
Solicitation Number:

Designed By:
Drawn By:
Checked By:
Reviewed By:

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS

Sheet Reference Number
241 of 301