UPSTREAM

DOWNSTREAM

1,945,000 1,944,000 2,305,000 1,943,000 1,942,000 2,306,000 1,941,000 1,940,000

2,304,000 1,945,000 2,303,000 2,302,000

2,306,000 1,939,000 2,305,000 2,304,000

1,944,000 1,943,000 1,942,000 2,302,000 1,941,000 1,940,000 2,303,000 1,939,000

24 31 530 32 26 29 30

SMITH BAY LT. (529.8)

NOTES:

Survey Date: May 14, 2015
Conducted by: Matt M, Lee S, Steve B

Survey Vessel: MV Hinds
Flat Pool: 583
Water Surface: 583.5
Stage: +0.5
Upstream Gage: Sabula RR Bridge RM 535.0
Downstream Gage: Lock 13 Pool RM 522.5

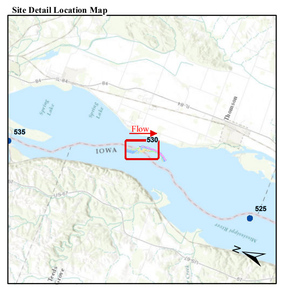
Processed in ArcGIS by: John Hayes 5/19/2015
Document Name: UM_24_UMR_20150516

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

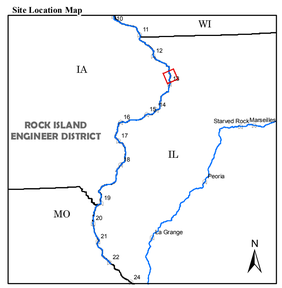
Imagery: 2014 USDA NAIP

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

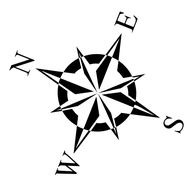
River Features
- Wing Dam Location

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: 13
REACH: Elk River to Smith Bay
REACH MILES: 529.4 to 530.6
SURVEY TYPE: CONDITION

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

SURVEYED RIVER MILES: 529.0-530.6

US Army Corps of Engineers
Rock Island District

Symbol	Description	Date	Approved

Points represent shallowest depth value derived from 99 foot grid.
Map Document Grid is 1000' x 1000'

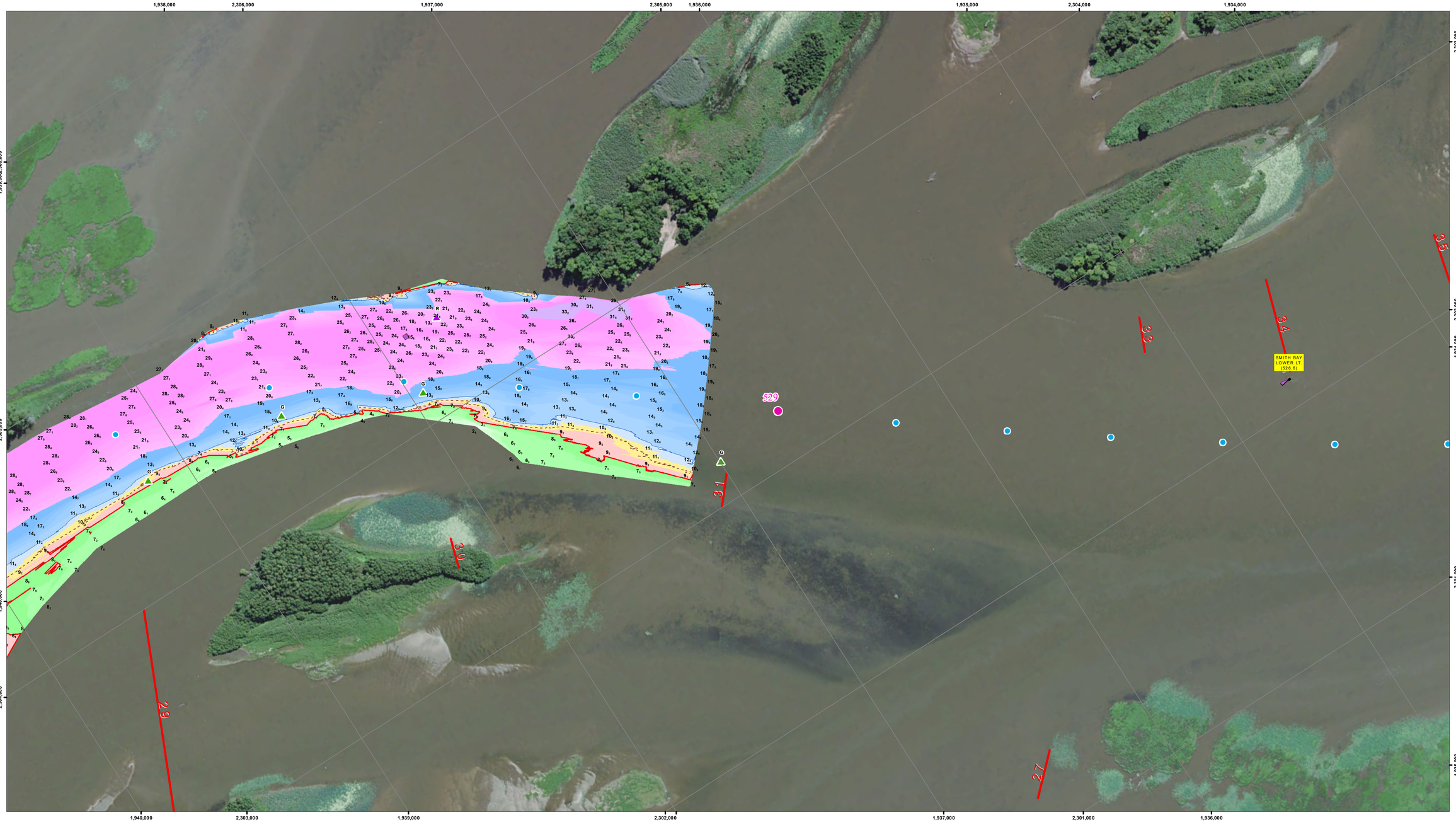
Date: 5/19/2015			
Designed By:	File No.		
Drawn By:		LS.O. Sheet File Name:	
Checked By:			Solicitation Number:
Reviewed By:			

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS

Sheet Reference Number 1 of 1

UPSTREAM

DOWNSTREAM



US Army Corps of Engineers
Rock Island District

Symbol	Description	Date	Approved
	Points represent shallowest depth value derived from 95 foot grid. Map Document Grid is 1000' x 1000'.		

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS	Designed By:	Date: 5/19/2015	
	Drawn By:	File No.	
	Checked By:	I.S.O. Sheet File Name:	
	Reviewed By:	Solicitation Number:	

Sheet Reference Number 1 of 1

NOTES:

Survey Date: May 14, 2015
Conducted by: Matt M, Lee S, Steve B

Survey Vessel: MV Hinds
Flat Pool: 583
Water Surface: 583.5
Stage: +0.5
Upstream Gage: Sabula RR Bridge RM 535.0
Downstream Gage: Lock 13 Pool RM 522.5

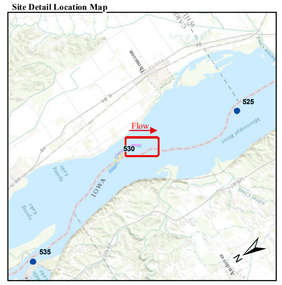
Processed in ArcGIS by: John Hayes 5/19/2015
Document Name: UM_24_UMR_20150516

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

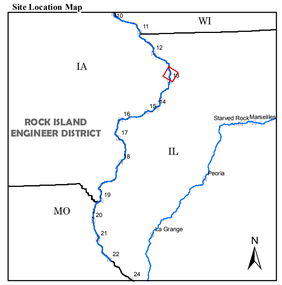
Imagery: 2014 USDA NAIP

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: 13
REACH: Elk River - A
REACH MILES: 528.4 to 529.6
SURVEY TYPE: CONDITION

1 " = 200 '

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

SURVEYED RIVER MILES: 529.0-530.6