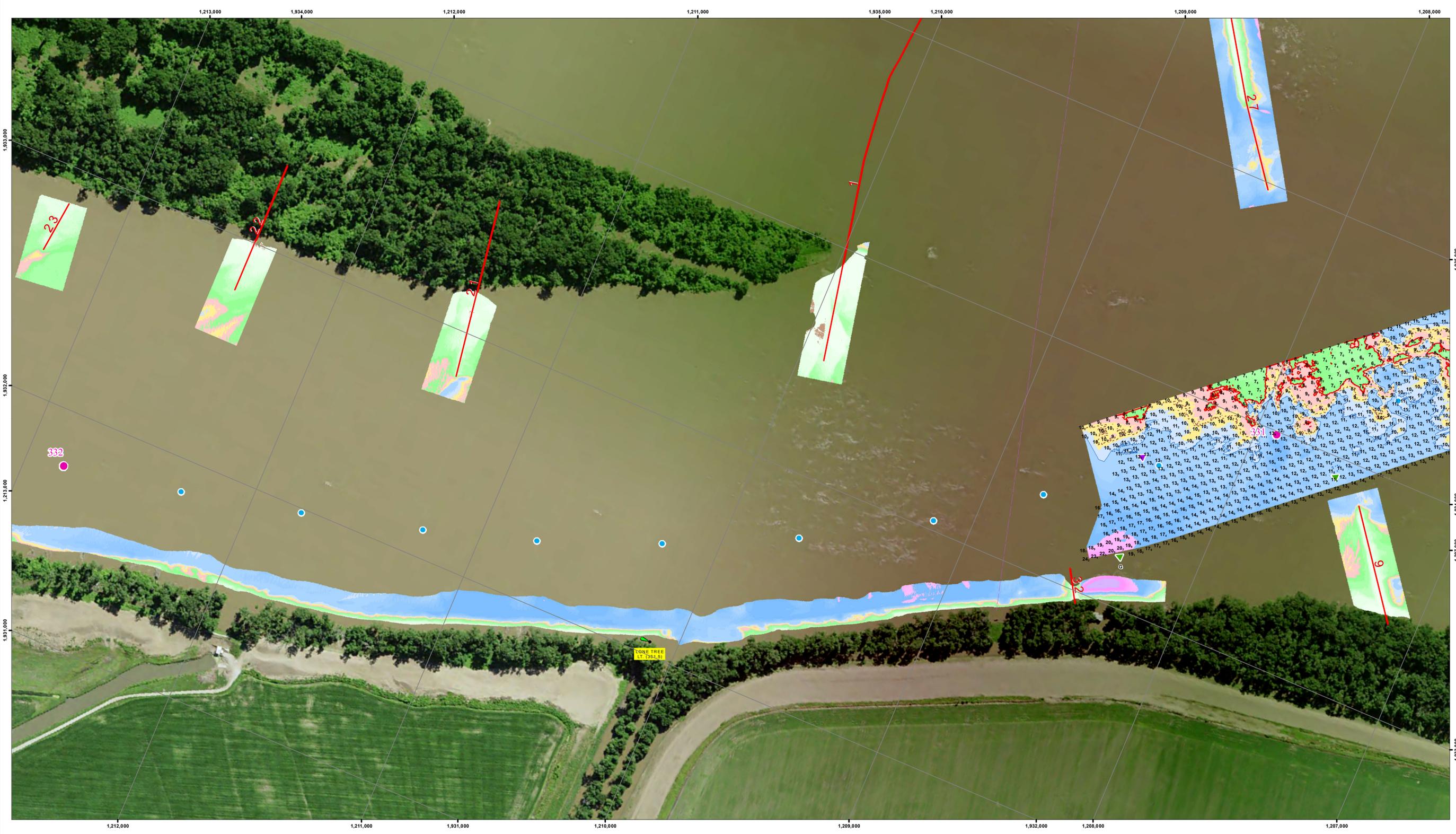


UPSTREAM

DOWNSTREAM



US Army Corps
of Engineers
Rock Island District

Symbol	Description	Date	Approved

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS	Designed By:	Date:	10/19/2015
	Drawn By: <td> </td> <td> </td>		
	Checked By: <td> </td> <td> </td>		
	Reviewed By: <td> </td> <td> </td>		
	File No.: <td> </td> <td> </td>		
	I.S.O. Sheet File Name: <td> </td> <td> </td>		
	Specification Number: <td> </td> <td> </td>		

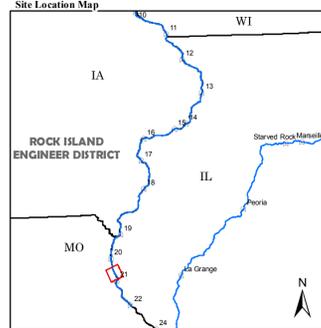
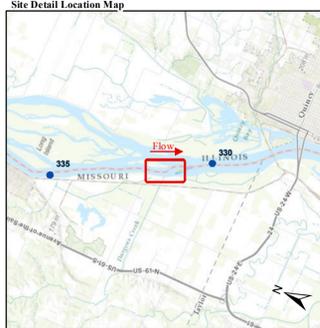
Sheet
Reference
Number
1 of 1

NOTES:
 Survey Date: October 18, 2015
 Conducted by: Chris R

 Survey Vessel: MV HINDS
 Flat Pool: 470
 Water Surface: 470.6
 Stage: +0.6
 Upstream Gage: Lock and Dam 20 Tail 472.1
 Downstream Gage: Quincy 470.1

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

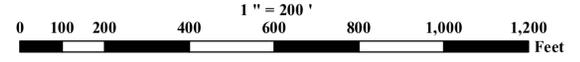
The information depicted on this map represents the results of a survey conducted on the date indicated and can only be considered to represent the general condition existing at that time.



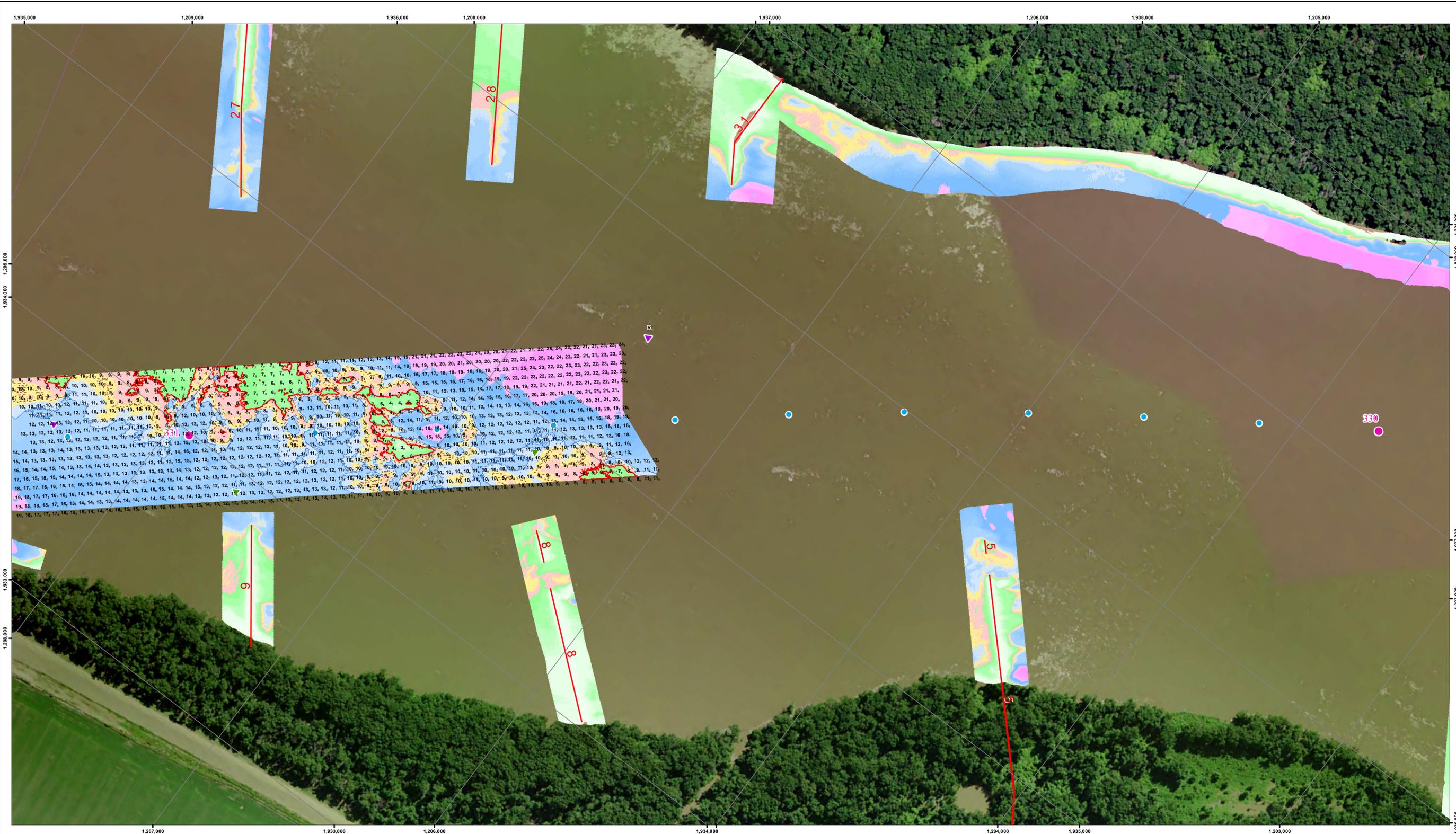
- Depth (Ft)**
 - 10'
 - 0'
 - 1'
 - 2'
 - 3'
 - 4'
 - 5'
 - 6'
 - 7'
 - 8'
 - 9'
 - 10'
 - 11'
 - 12'
 - 13'
 - 14'
 - 15'
 - 16'
 - 17'
 - 18'
 - 19'
 - 20'
 - 21'
 - 22'
 - 23'
 - 24'
 - 25'
 - 26'
 - 27'
 - 28'
 - 29'
 - 30'
 - 31'
 - 32'
 - 33'
 - 34'
 - 35'
 - 36'
 - 37'
 - 38'
 - 39'
 - 40'
 - 41'
 - 42'
 - 43'
 - 44'
 - 45'
 - 46'
 - 47'
 - 48'
 - 49'
 - 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: 21
 REACH: Hogback
 REACH MILES: 330.9 to 332
 SURVEY TYPE: CONDITION



SURVEYED RIVER MILES: 330.6-331.1



US Army Corps of Engineers
Rock Island District

Symbol	Description	Date	Approved

U.S. Army Engineer District Corps of Engineers	Designed By: Drawn By:	Date: 10/19/2015 File No.:
	Checked By: Reviewed By:	I.S.O. Sheet File Name: Specification Number:

Sheet Reference Number
1 of 1

UPSTREAM

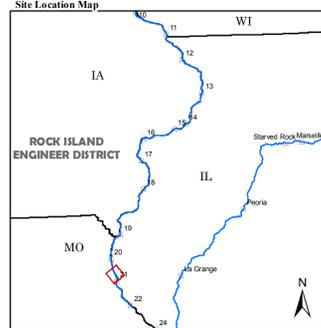
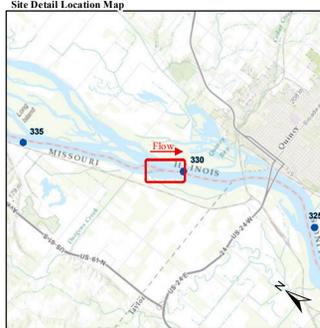
DOWNSTREAM

NOTES:
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Water Surface: 470.6
Stage: +0.6
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Imagery: 2014 USDA NAIP

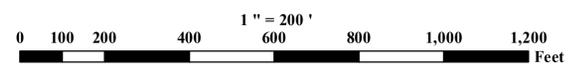
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 - 0'
 - 10'
 - 11'
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 - 30'
 - 50'
- River Mile**
 - Mile
 - Tenth
- River Features**
 - Wing Dam Location
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 - Submerged Pipe Area
 - Submerged Cable
 - Submerged Cable Area



US ARMY CORPS OF ENGINEERS
ROCK ISLAND DISTRICT
CEMVR - OD-T
WATERWAY: UPPER MISSISSIPPI RIVER
POOL: 21
REACH: Quincy Bay Upper to Hogback
REACH MILES: 330 to 331.1
SURVEY TYPE: CONDITION



SURVEYED RIVER MILES: 330.6-331.1

Processed in ArcGIS by: Dan M 10/19/2015
Document Name: UM_24_UMR_20151018_21_33063311_15C