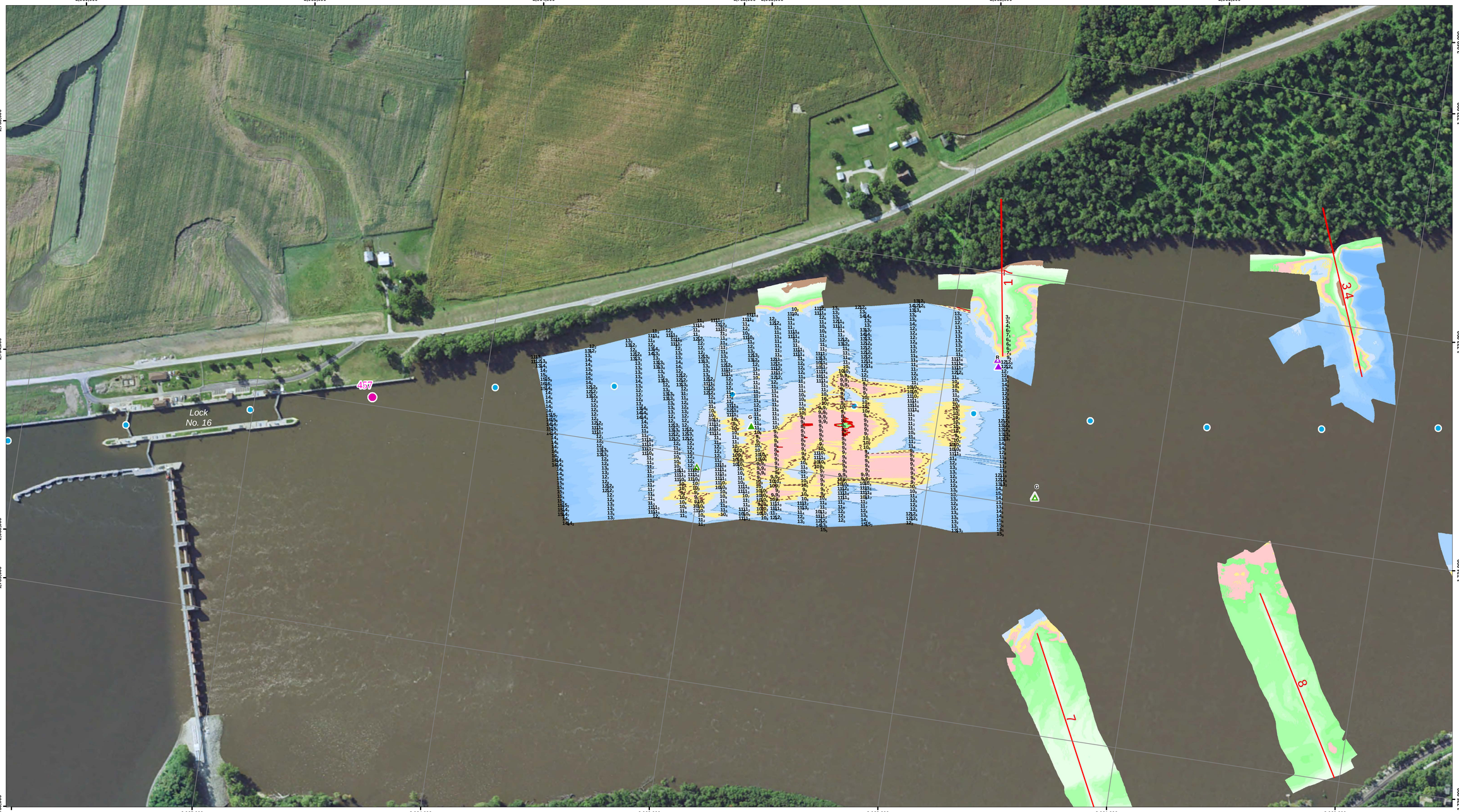
UPSTREAM




DOWNSTREAM

US Army Corps
of Engineers
Rock Island District

| Symbol | Description | Date | Approved |
|---|---|---|---|
| | | | |

Points represent shallowest depth value derived from 20 foot grid.
Map Document Grid is 1000' x 1000'.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS

| | |
|---|---|
| Designed By: | Date: 7/28/2016 |
| Drawn By: | File No. |
| Checked By: | LS O. Sheet File Name: |
| Reviewed By: | Solicitation Number: |

**Sheet Reference Number**
150 of 301

**NOTES:**

Survey Date: July 26, 2016

Conducted by: Kenny B, Cory B, Daniel S, Steve B

Survey Vessel: MV Hinds

Flat Pool: 536

Water Surface: 544.3

Stage: +8.3

Upstream Gage: Lock 16 Tail RM 457.2

Downstream Gage: Muscatine RM 455.2

Processed in ArcGIS by: Dan M 7/28/2016

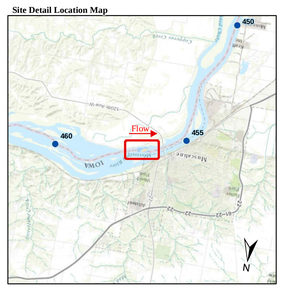
Document Name: UM_24_UMR_20160726_17_45614571_16B

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

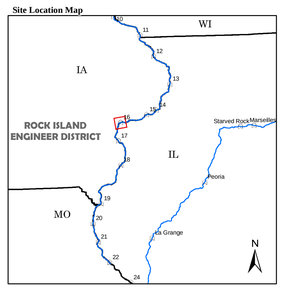
*Imagery: 2014 USDA NAIP*

*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)**

-10', 0', 9', 10', 11', 12', 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: 17
REACH: Lock and Dam 16 Lower
REACH MILES: 456.1 to 457.3
SURVEY TYPE: CONDITION

1 " = 200 '

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

*SURVEYED RIVER MILES: 456.1-457.1*