

Symbol	Description	Date	Approved

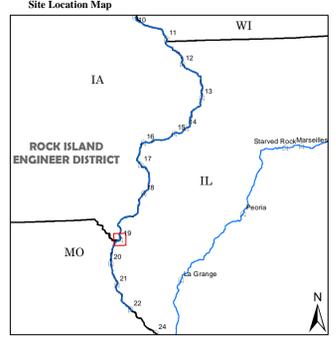
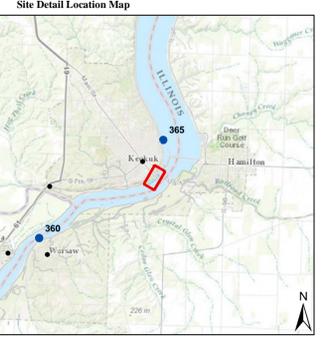
Map Document Grid E: 800' x 800'

Designed By:	Date: 10/23/2014
Drawn By:	File No.:
Checked By:	U.S.O. Sheet File Name:
Reviewed By:	Specification Number:

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS

Sheet Reference Number
1 of 1

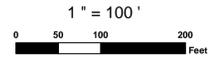
Hydrographic Survey of the **Mississippi River - Pool 20**
 Orthophotography flown 2013 - USDA NAIP Imagery
 Horizontal Projection: State Plane, NAD 1983,
 Illinois West - 1202, U.S. Survey Feet
 Vertical Datum: MSL 1912 U.S. Survey Feet
 All soundings adjusted to Flat Pool: 480.0
 Water Surface at time of survey: 484.3
 Water Stage: +4.3



- Depth (Ft)**
 - 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

NOTES:
 Survey Date: 10/22/2014
 Survey Vessel: MV Hinds
 Conducted by: Matt Martin, Lee Schweiger, Cory Brenner
 Processed in ArcGIS by: Dan McBride 10/23/2014
 File Name: MVRUM20_36363640_14B

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Gages Used:
 Lock 19 Tail / RM 364.3

Lock 19 Lower Approach (Pre-Dredge)
 UMR Pool 20 River Reach Miles 363.6-364.0

Upper Mississippi River Reach:
 Lock 19 Lower Approach
 River Miles:
 363.6-364.0
 Survey Type:
 Pre-Dredge Condition