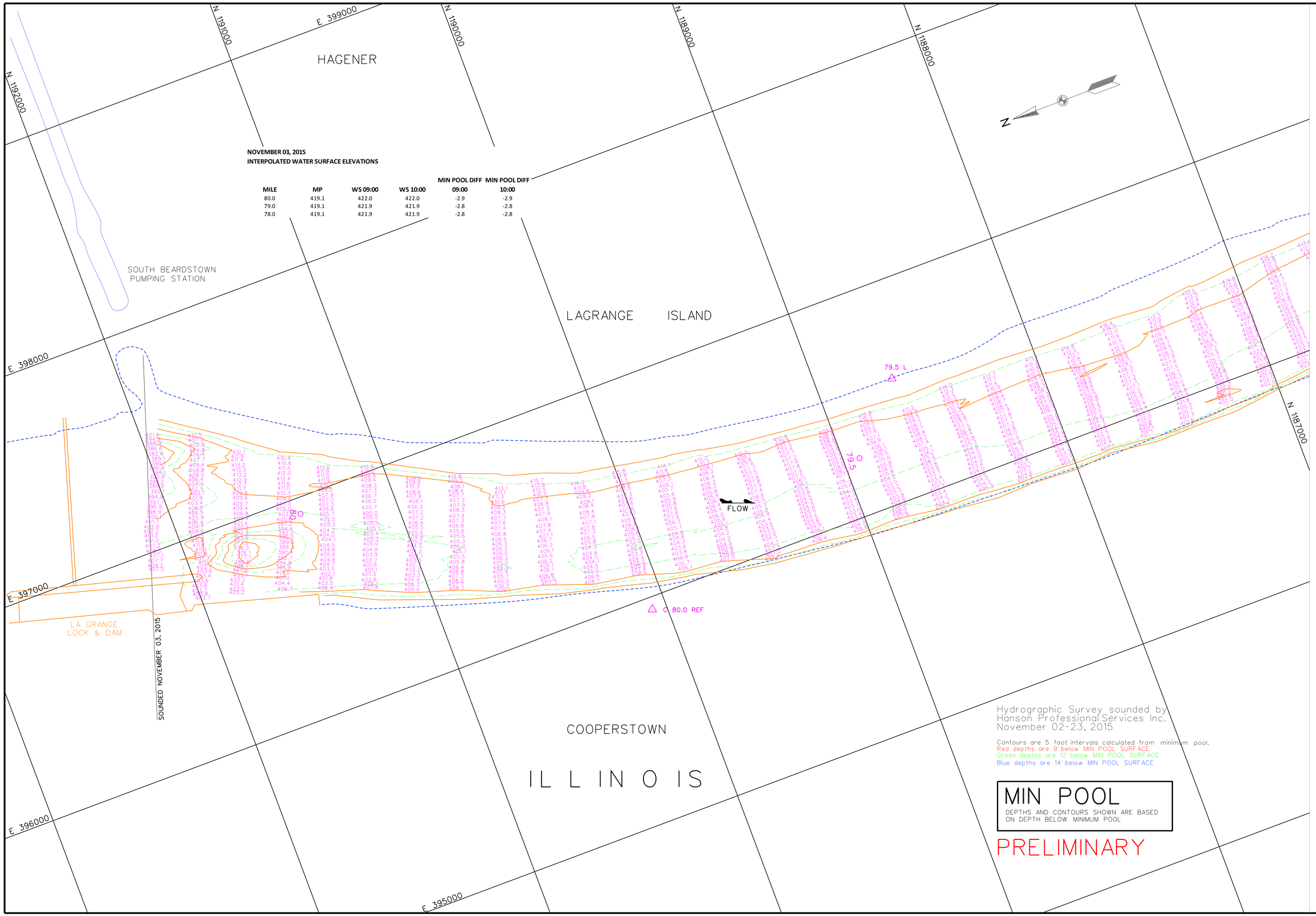


NOVEMBER 03, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 10:00	MIN POOL DIFF 09:00	MIN POOL DIFF 10:00
80.0	419.1	422.0	422.0	-2.9	-2.9
79.0	419.1	421.9	421.9	-2.8	-2.8
78.0	419.1	421.9	421.9	-2.8	-2.8

Hydrographic Survey sounded by
Hanson Professional Services Inc.
November 02-23, 2015

Contours are 5 foot intervals calculated from minimum pool.
Red depths are 9' below MIN POOL SURFACE
Green depths are 12' below MIN POOL SURFACE
Blue depths are 14' below MIN POOL SURFACE

MIN POOL
DEPTHS AND CONTOURS SHOWN ARE BASED ON DEPTH BELOW MINIMUM POOL

PRELIMINARY

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	LAGRANGE LOCK (L)	MEREDOSIA
ZERO N.G.V.D.		413.5	418.0
MILE		80.3	70.8
MIN. POOL		419.1	419.0
DATE	03 NOV 2015	422.0 (09:00) 422.0 (10:00)	421.5 (09:00) 421.5 (10:00)

Survey Date: Nov. 02-23, 2015

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_0004023b_mp_sht01.dgn
Plot date: December 9, 2015
Plot scale: 1" = 200'
APPROVED:
Chief, Geospatial Branch

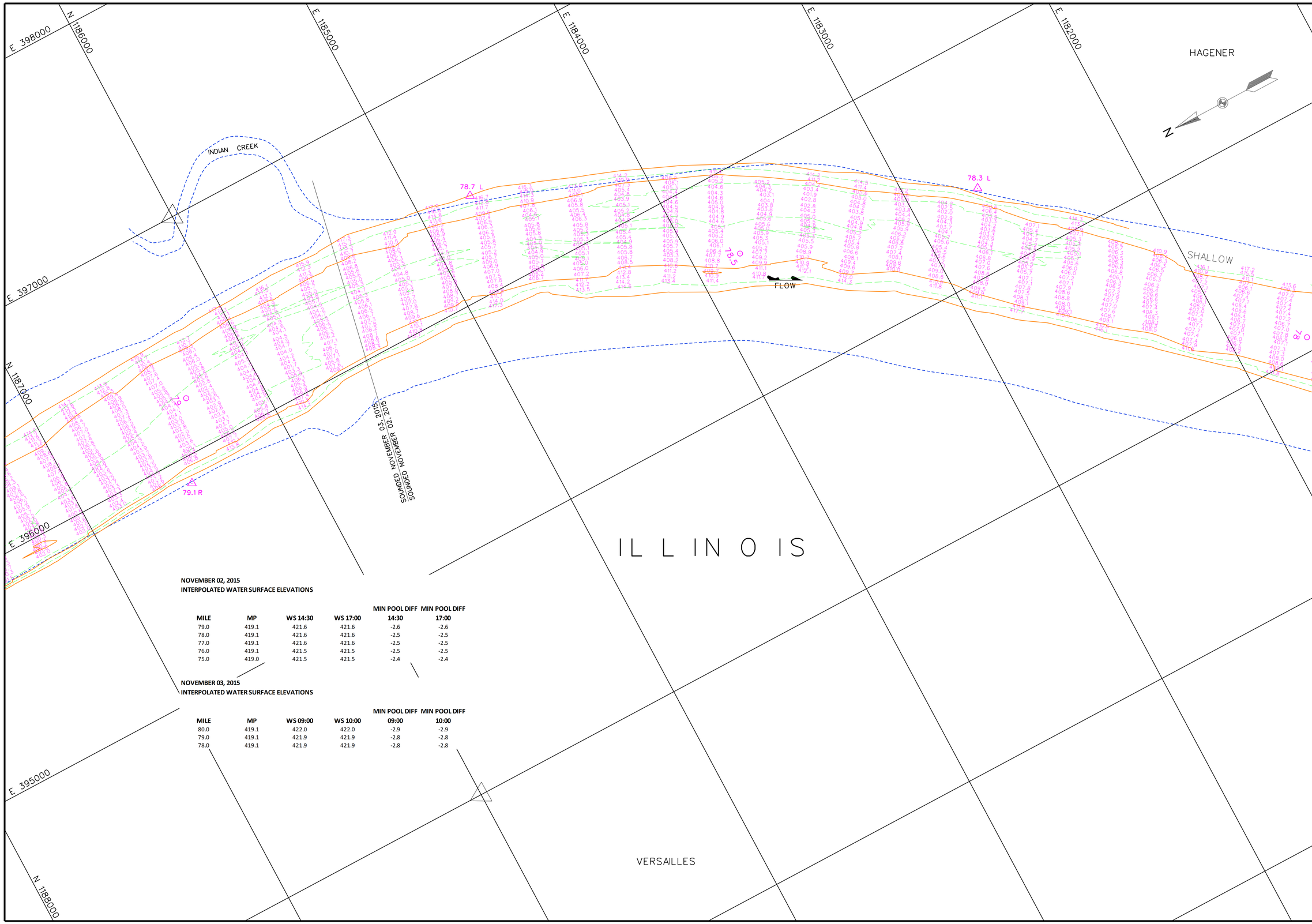
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE BY THE ST. LOUIS DISTRICT AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
1



NOVEMBER 02, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 14:30	WS 17:00	MIN POOL DIFF 14:30	MIN POOL DIFF 17:00
79.0	419.1	421.6	421.6	-2.6	-2.6
78.0	419.1	421.6	421.6	-2.5	-2.5
77.0	419.1	421.6	421.6	-2.5	-2.5
76.0	419.1	421.5	421.5	-2.5	-2.5
75.0	419.0	421.5	421.5	-2.4	-2.4

NOVEMBER 03, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 10:00	MIN POOL DIFF 09:00	MIN POOL DIFF 10:00
80.0	419.1	422.0	422.0	-2.9	-2.9
79.0	419.1	421.9	421.9	-2.8	-2.8
78.0	419.1	421.9	421.9	-2.8	-2.8

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	LAGRANGE LOCK (L)	MEREDOSIA
ZERO N.G.V.D.		413.5	418.0
MILE		80.3	70.8
MIN. POOL		419.1	419.0
DATE			
	02 NOV 2015	421.7 (14:30)	421.3 (14:30)
	03 NOV 2015	422.0 (09:00)	421.5 (09:00)

Surveyed by: HANSON
Survey Date: Nov. 02-23, 2015
Drawn by: JLK
Cad by: JCL
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
Reviewed by:
File name: 080_0004021b_mp_sht02.dgn
Plot date: November 3, 2015
Plot scale: 1" = 200'
APPROVED:
Chief, Geospatial Branch

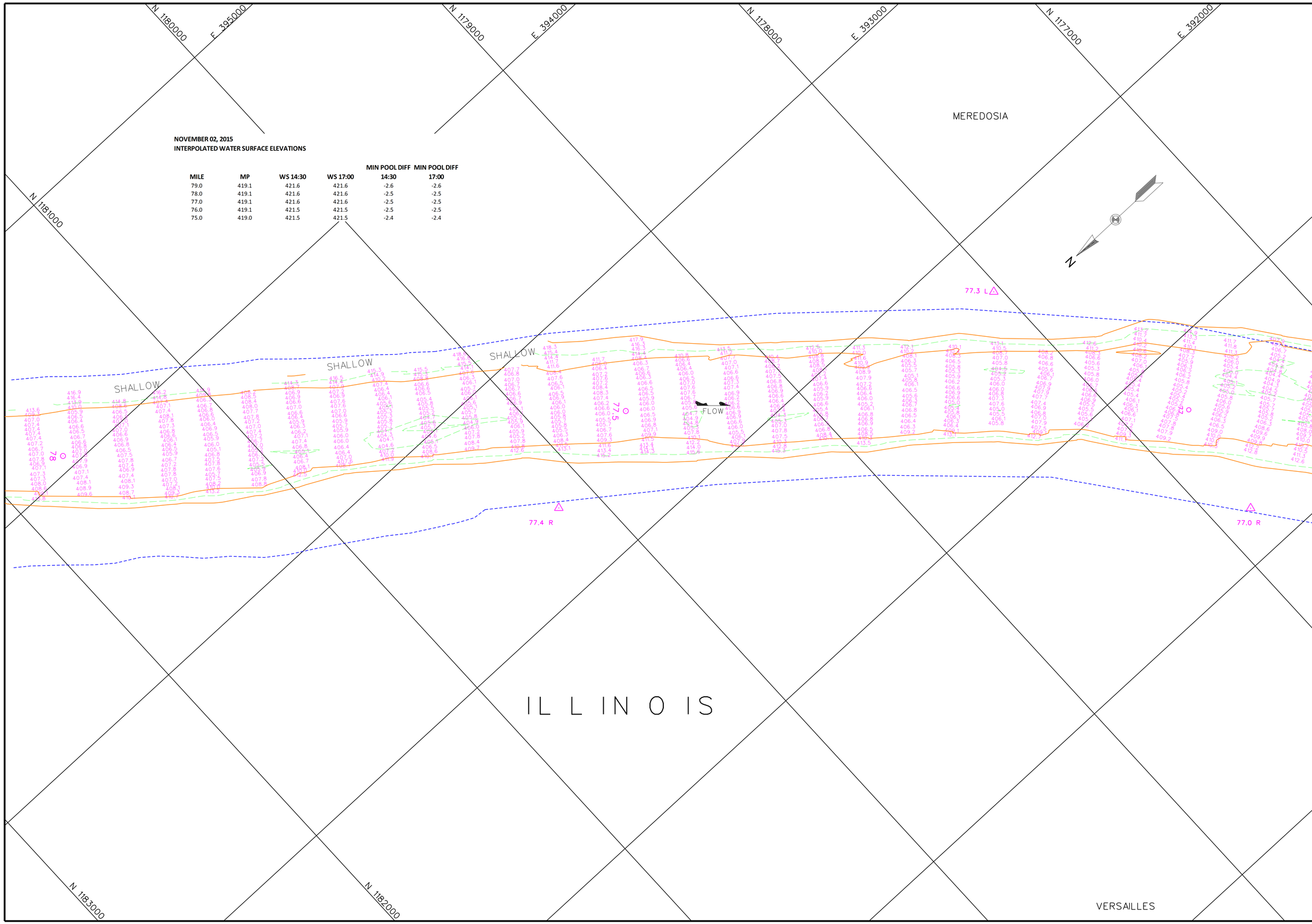
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

60 200 0 0 60 200 120 METERS
400 FEET

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED. IT DOES NOT REPRESENT, OR BE INTERPRETED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER
2



NOVEMBER 02, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 14:30	WS 17:00	MIN POOL DIFF 14:30	MIN POOL DIFF 17:00
79.0	419.1	421.6	421.6	-2.6	-2.6
78.0	419.1	421.6	421.6	-2.5	-2.5
77.0	419.1	421.6	421.6	-2.5	-2.5
76.0	419.1	421.5	421.5	-2.5	-2.5
75.0	419.0	421.5	421.5	-2.4	-2.4

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	LAGRANGE LOCK (L)	MEREDOSIA
ZERO N.G.V.D.		413.5	418.0
MILE		80.3	70.8
MIN. POOL		419.1	419.0
DATE	02 NOV 2015	421.7 (14:30) 421.7 (17:00)	421.3 (14:30) 421.3 (17:00)

Survey Date: Nov. 02-23, 2015

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
APPROVED:
Chief, Geospatial Branch
File name: 080_0004021b_mp_sht03.dgn
Plot date: Nov. 24, 2015
Plot scale: 1" = 200'

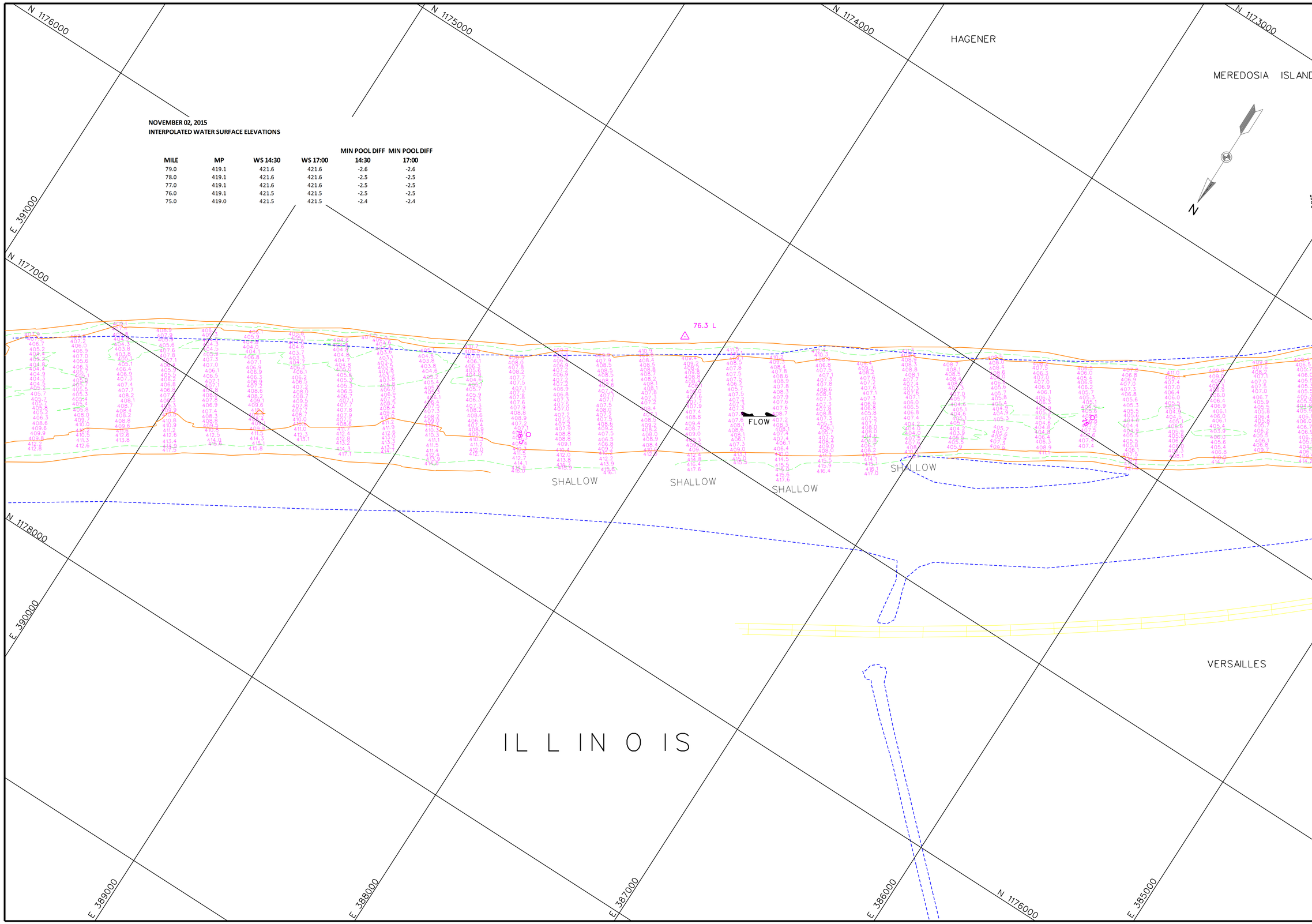
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 400 FEET
60 0 60 200
0 0
60 200

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND MAY NOT BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER
3



NOVEMBER 02, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 14:30	WS 17:00	MIN POOL DIFF 14:30	MIN POOL DIFF 17:00
79.0	419.1	421.6	421.6	-2.6	-2.6
78.0	419.1	421.6	421.6	-2.5	-2.5
77.0	419.1	421.6	421.6	-2.5	-2.5
76.0	419.1	421.5	421.5	-2.5	-2.5
75.0	419.0	421.5	421.5	-2.4	-2.4

US Army Corps of Engineers
St. Louis District

GAGE RECORD

WATER SURFACE	LAGRANGE LOCK (L)	MEREDOSIA
ZERO N.G.V.D.	413.5	418.0
MILE	80.3	70.8
MIN. POOL	419.1	419.0
DATE		
02 NOV 2015	421.7 (14:30) 421.7 (17:00)	421.3 (14:30) 421.3 (17:00)

Surveyed by: HANSON
Drawn by: JLK
Checked by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch
Survey Date: Nov. 02-23, 2015
SUBMITTED: Chief, Engr. Data Mngt. Sect.
File name: 080_0004025_mp_sh104.dgn
Plot date: Nov. 24, 2015
Plot scale: 1" = 200'

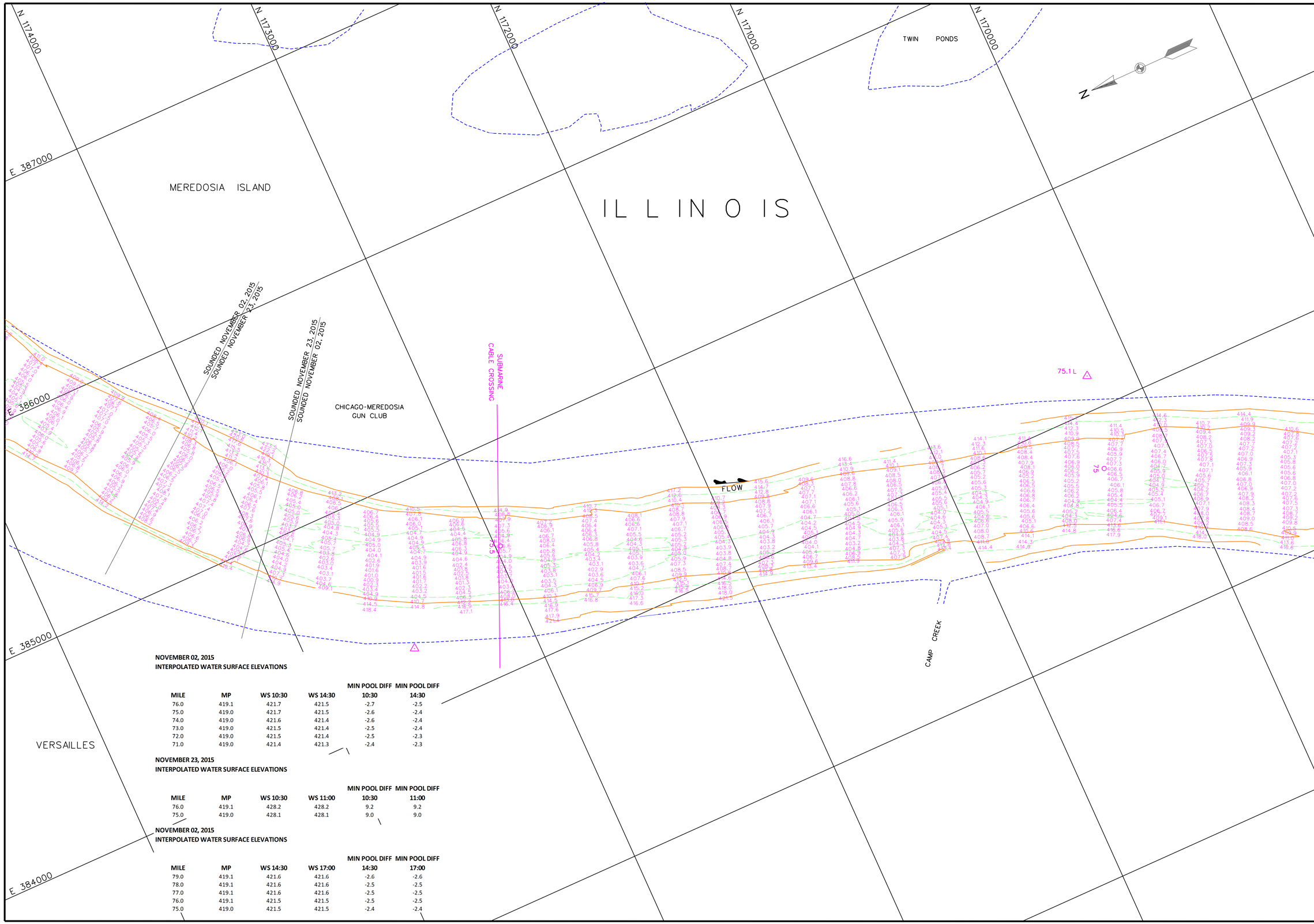
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 0 60 200 400 FEET

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SITE SPECIFIC SURVEYS AND ARE VALID ONLY AT THE TIME OF SURVEY AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER
4



NOVEMBER 02, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:30	WS 14:30	MIN POOL DIFF 10:30	MIN POOL DIFF 14:30
76.0	419.1	421.7	421.5	-2.7	-2.5
75.0	419.0	421.7	421.5	-2.6	-2.4
74.0	419.0	421.6	421.4	-2.6	-2.4
73.0	419.0	421.5	421.4	-2.5	-2.4
72.0	419.0	421.5	421.4	-2.5	-2.3
71.0	419.0	421.4	421.3	-2.4	-2.3

NOVEMBER 23, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:30	WS 11:00	MIN POOL DIFF 10:30	MIN POOL DIFF 11:00
76.0	419.1	428.2	428.2	9.2	9.2
75.0	419.0	428.1	428.1	9.0	9.0

NOVEMBER 02, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 14:30	WS 17:00	MIN POOL DIFF 14:30	MIN POOL DIFF 17:00
79.0	419.1	421.6	421.6	-2.6	-2.6
78.0	419.1	421.6	421.6	-2.5	-2.5
77.0	419.1	421.6	421.6	-2.5	-2.5
76.0	419.1	421.5	421.5	-2.5	-2.5
75.0	419.0	421.5	421.5	-2.4	-2.4

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	LAGRANGE LOCK (IL)	MEREDOSIA
ZERO N.G.V.D.		413.5	418.0
MILE		80.3	70.8
MIN. POOL		419.1	419.0
DATE			
	02 NOV 2015	421.7 (14:30)	421.3 (14:30)
	23 NOV 2015	428.9 (10:30)	427.4 (10:30)

Survey Date: Nov. 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004023_mp_sh05.dgn
Plot date: December 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

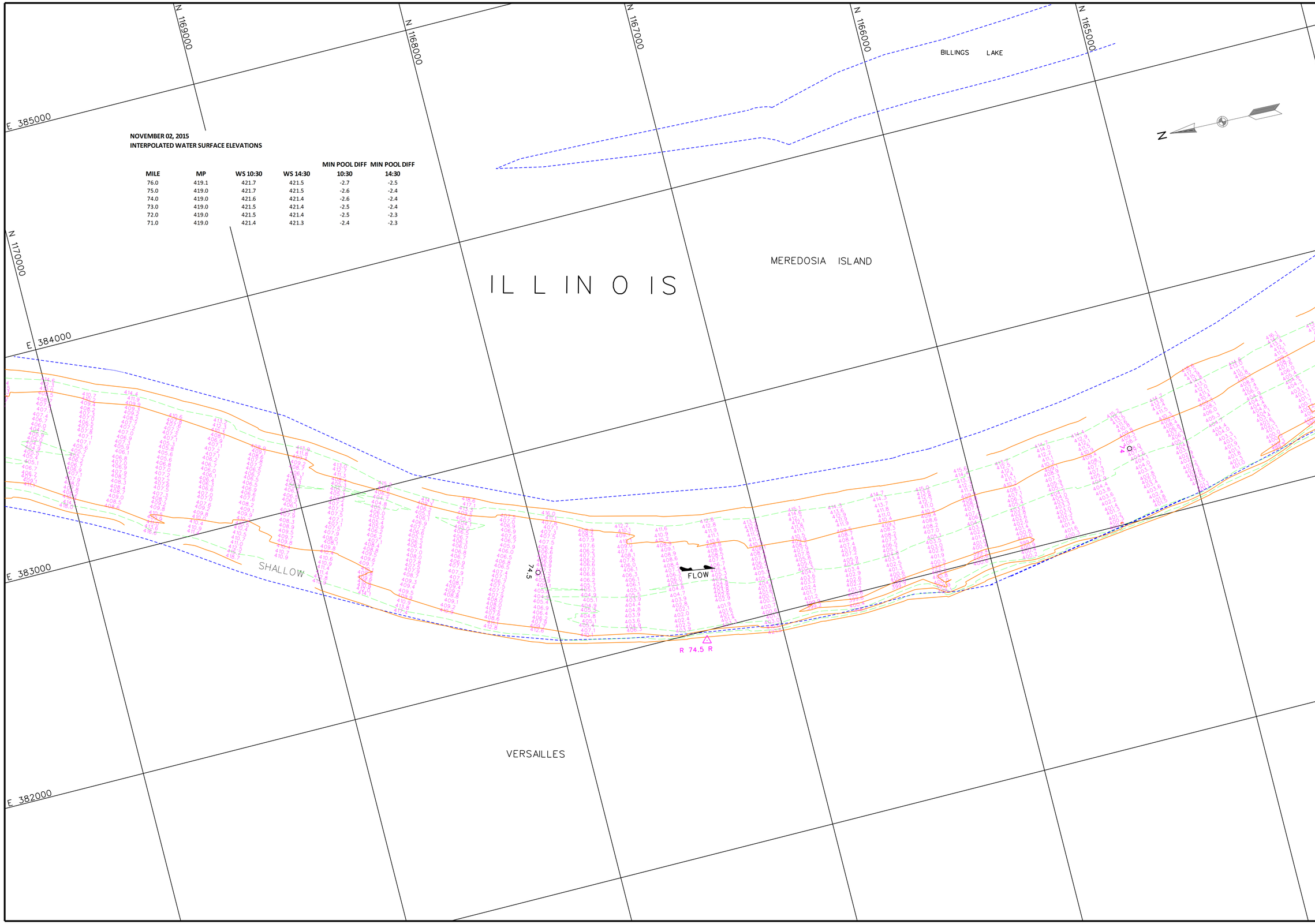
ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 200 400 FEET

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF A HYDROGRAPHIC SURVEY AND MAY NOT BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER

5



NOVEMBER 02, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:30	WS 14:30	MIN POOL DIFF 10:30	MIN POOL DIFF 14:30
76.0	419.1	421.7	421.5	-2.7	-2.5
75.0	419.0	421.7	421.5	-2.6	-2.4
74.0	419.0	421.6	421.4	-2.6	-2.4
73.0	419.0	421.5	421.4	-2.5	-2.4
72.0	419.0	421.5	421.4	-2.5	-2.3
71.0	419.0	421.4	421.3	-2.4	-2.3

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	LAGRANGE LOCK (L)	MEREDOSIA
ZERO N.G.V.D.		413.5	418.0
MILE		80.3	70.8
MIN. POOL		419.1	419.0
DATE	02 NOV 2015	422.0 (10:30) 421.7 (14:30)	421.4 (10:30) 421.3 (14:30)

Survey Date: Nov. 02-23, 2015
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_0004021b_mp_sh106.dgn
Plot date: December 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

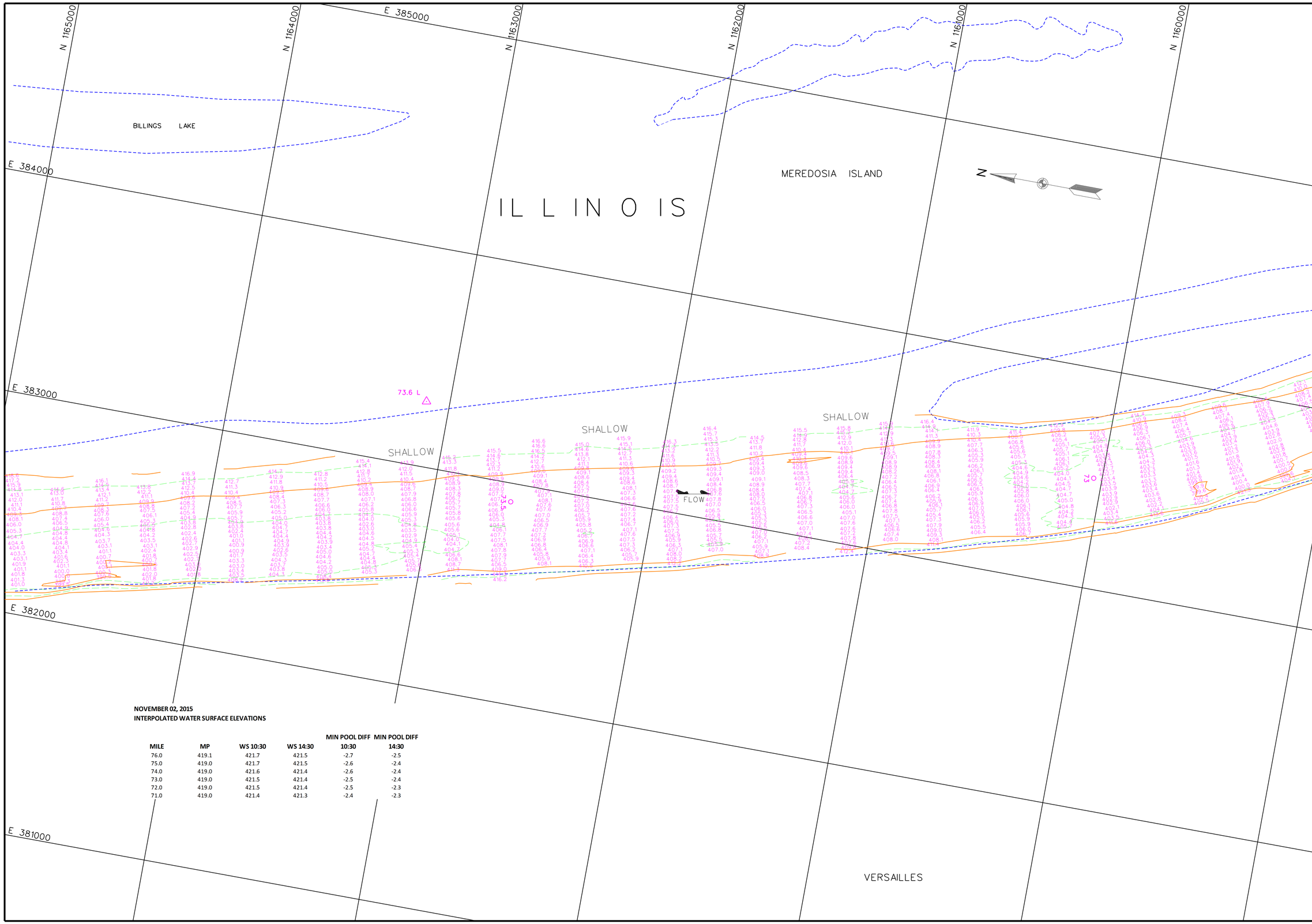
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 0 60 200
400 FEET 0 60 200

THE INFORMATION REPRESENTED ON THIS MAP REPRESENTS THE RESULTS OF A HYDROGRAPHIC SURVEY PERFORMED ON THE DATES SHOWN AND AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER
6



NOVEMBER 02, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:30	WS 14:30	MIN POOL DIFF 10:30	MIN POOL DIFF 14:30
76.0	419.1	421.7	421.5	-2.7	-2.5
75.0	419.0	421.7	421.5	-2.6	-2.4
74.0	419.0	421.6	421.4	-2.6	-2.4
73.0	419.0	421.5	421.4	-2.5	-2.4
72.0	419.0	421.5	421.4	-2.5	-2.3
71.0	419.0	421.4	421.3	-2.4	-2.3

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	LAGRANGE LOCK (L)	MEREDOSIA
ZERO N.G.V.D.		413.5	418.0
MILE		80.3	70.8
MIN POOL		419.1	419.0
DATE	02 NOV 2015	422.0 (10:30) 421.7 (14:30)	421.4 (10:30) 421.3 (14:30)

Survey Date: Nov. 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004021b_mp_sht07.dgn
Plot date: October 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

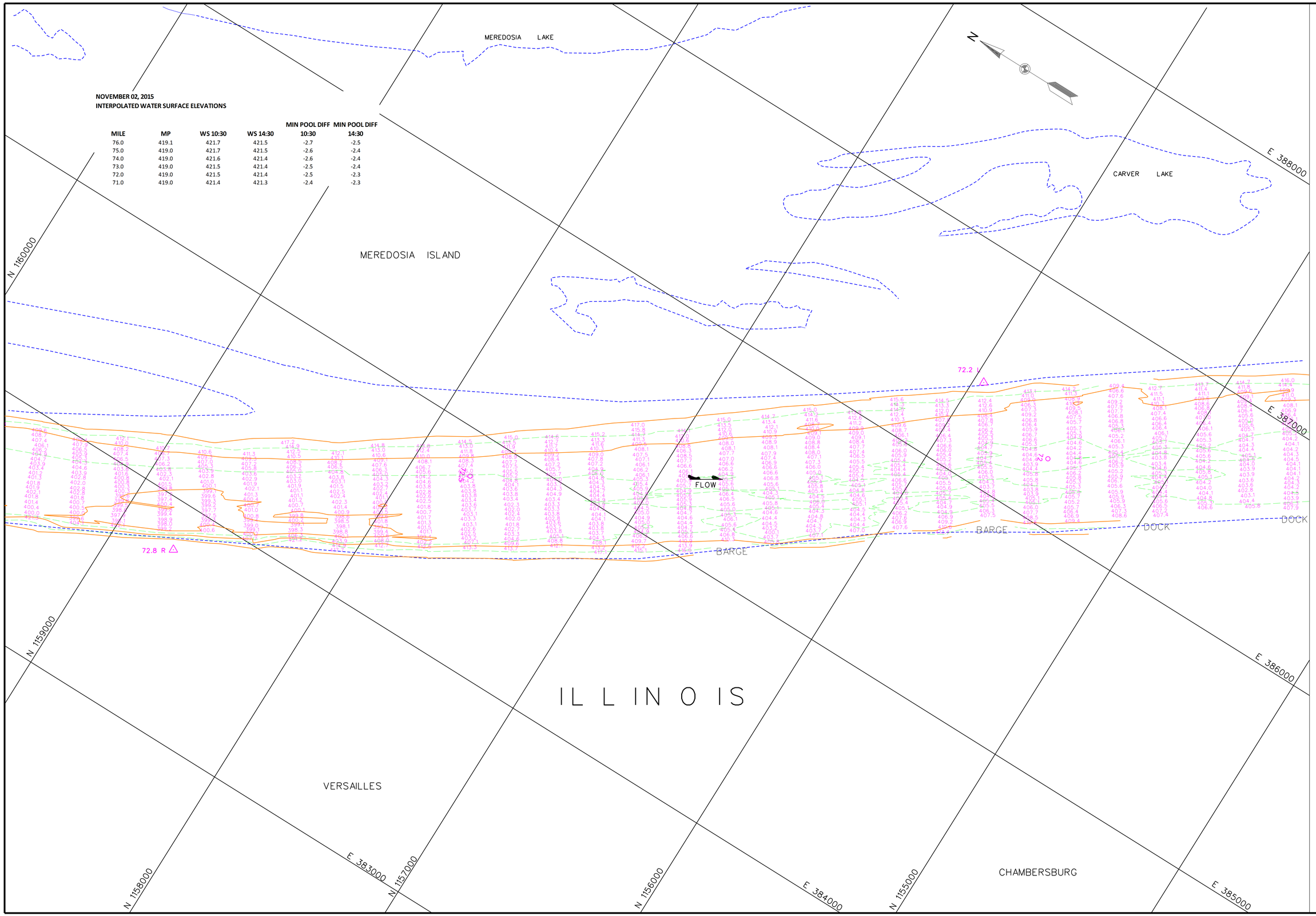
ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 60 200
400 FEET 200 0 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THE TIME INDICATED AND MAY NOT BE ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER

7



NOVEMBER 02, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:30	WS 14:30	MIN POOL DIFF 10:30	MIN POOL DIFF 14:30
76.0	419.1	421.7	421.5	-2.7	-2.5
75.0	419.0	421.7	421.5	-2.6	-2.4
74.0	419.0	421.6	421.4	-2.6	-2.4
73.0	419.0	421.5	421.4	-2.5	-2.4
72.0	419.0	421.5	421.4	-2.5	-2.3
71.0	419.0	421.4	421.3	-2.4	-2.3

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	LAGRANGE LOCK (L)	MEREDOSIA
ZERO N.G.V.D.		413.5	418.0
MILE		80.3	70.8
MIN POOL		419.1	419.0
DATE	02 NOV 2015	422.0 (10:30) 421.7 (14:30)	421.4 (10:30) 421.3 (14:30)

Survey Date: Nov. 02-23, 2015
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_0004023_mp_sh108.dgn
Plot date: December 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED:
Chief, Geospatial Branch

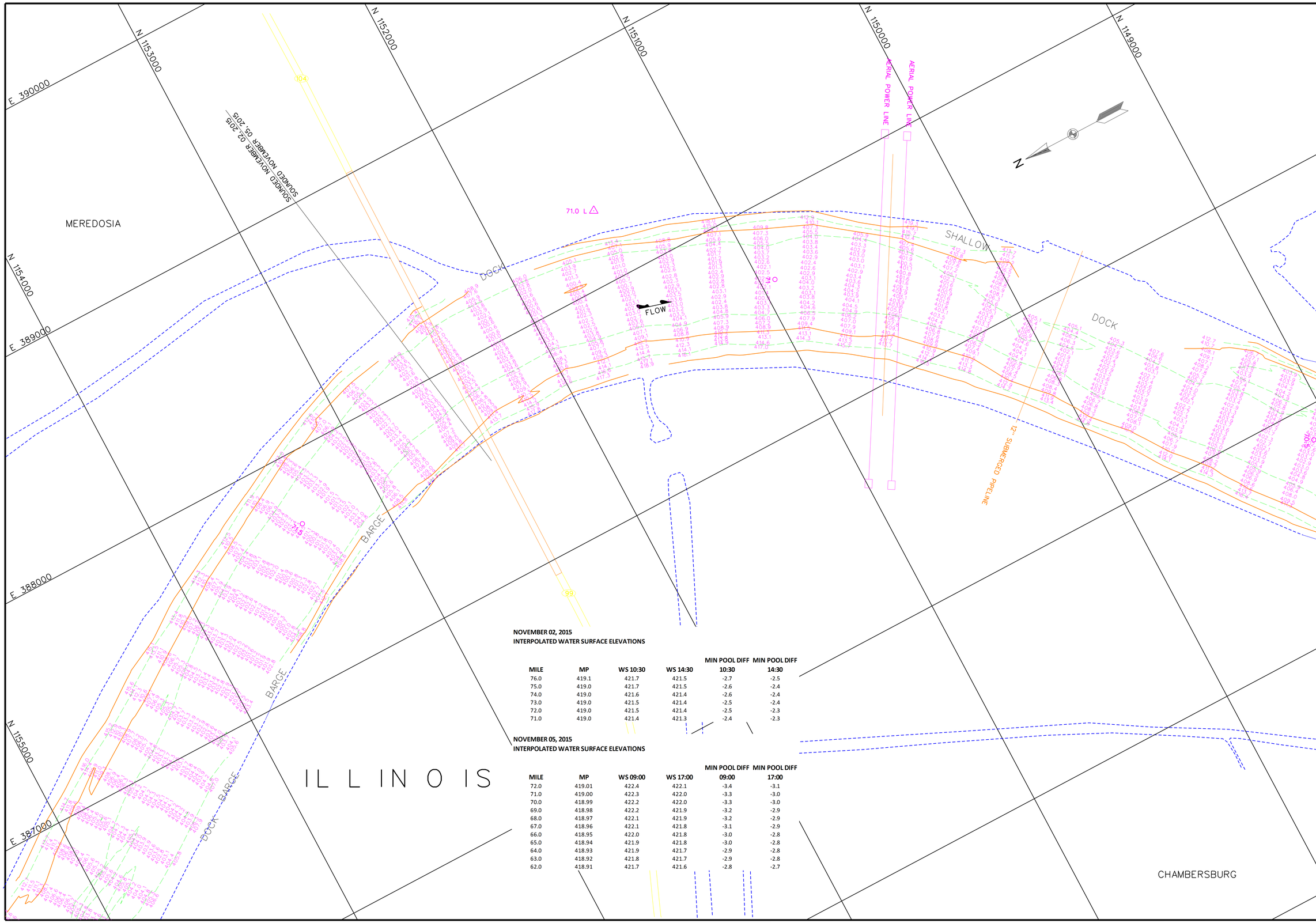
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 60 200
400 FEET 200 0 200

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED. THEY ARE PRESENTED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER
8



NOVEMBER 02, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:30	WS 14:30	MIN POOL DIFF 10:30	MIN POOL DIFF 14:30
76.0	419.1	421.7	421.5	-2.7	-2.5
75.0	419.0	421.7	421.5	-2.6	-2.4
74.0	419.0	421.6	421.4	-2.6	-2.4
73.0	419.0	421.5	421.4	-2.5	-2.4
72.0	419.0	421.5	421.4	-2.5	-2.3
71.0	419.0	421.4	421.3	-2.4	-2.3

NOVEMBER 05, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MIN POOL DIFF 09:00	MIN POOL DIFF 17:00
72.0	419.01	422.4	422.1	-3.4	-3.1
71.0	419.00	422.3	422.0	-3.3	-3.0
70.0	418.99	422.2	422.0	-3.3	-3.0
69.0	418.98	422.2	421.9	-3.2	-2.9
68.0	418.97	422.1	421.9	-3.2	-2.9
67.0	418.96	422.1	421.8	-3.1	-2.9
66.0	418.95	422.0	421.8	-3.0	-2.8
65.0	418.94	421.9	421.8	-3.0	-2.8
64.0	418.93	421.9	421.7	-2.9	-2.8
63.0	418.92	421.8	421.7	-2.9	-2.8
62.0	418.91	421.7	421.6	-2.8	-2.7

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	LAGRANGE LOCK (L)	MEREDOSIA
ZERO N.G.V.D.		413.5	418.0
MILE		80.3	70.8
MIN. POOL		419.1	419.0
DATE			
	02 NOV 2015	422.0 (10:30)	421.4 (10:30)
	05 NOV 2015	422.9 (09:00)	422.3 (09:00)

Survey Date: Nov. 02-23, 2015

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

SUBMITTED: Chief, Engr. Data Mngt. Sect.

File name: 080_0004021S_mp_sht09.dgn
Plot date: December 9, 2015
Plot scale: 1" = 200'

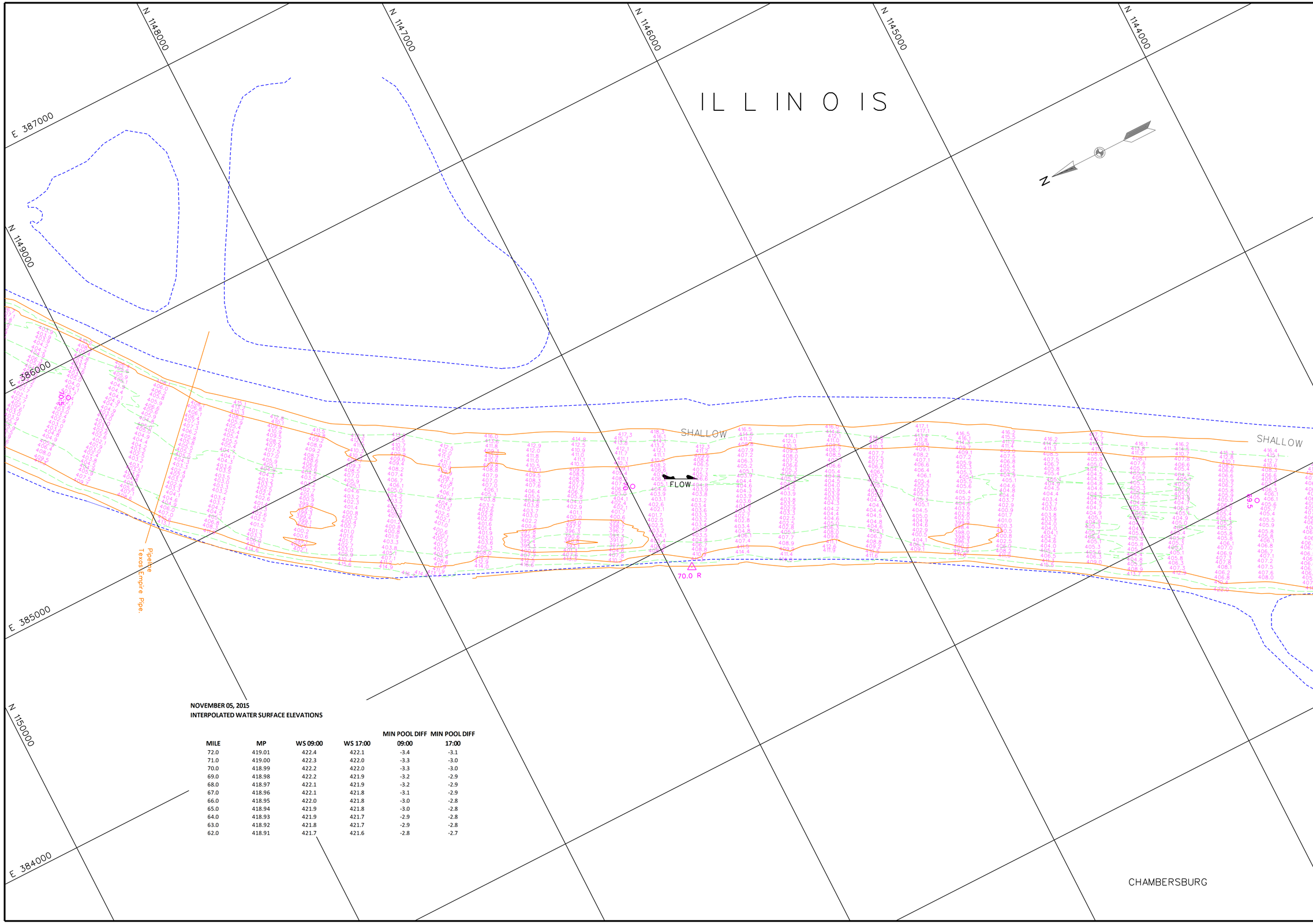
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS
400 FEET
60 0 60 200 0 200

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SITE INVESTIGATIONS MADE ON THE DATES SHOWN AND MAY NOT BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
9



NOVEMBER 05, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MIN POOL DIFF 09:00	MIN POOL DIFF 17:00
72.0	419.01	422.4	422.1	-3.4	-3.1
71.0	419.00	422.3	422.0	-3.3	-3.0
70.0	418.99	422.2	422.0	-3.3	-3.0
69.0	418.98	422.2	421.9	-3.2	-2.9
68.0	418.97	422.1	421.9	-3.2	-2.9
67.0	418.96	422.1	421.8	-3.1	-2.9
66.0	418.95	422.0	421.8	-3.0	-2.8
65.0	418.94	421.9	421.8	-3.0	-2.8
64.0	418.93	421.9	421.7	-2.9	-2.8
63.0	418.92	421.8	421.7	-2.9	-2.8
62.0	418.91	421.7	421.6	-2.8	-2.7

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	MEREDOSIA	VALLEY CITY
ZERO N.G.V.D.		418.0	418.0
MILE		70.8	61.3
MIN POOL		419.0	418.9
DATE	05 NOV 2015	422.3 (09:00) 422.0 (17:00)	421.7 (09:00) 421.6 (17:00)

Survey Date: Nov. 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004023b_mp_sht10.dgn
Plot date: December 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 60 200
400 FEET 200 0 200

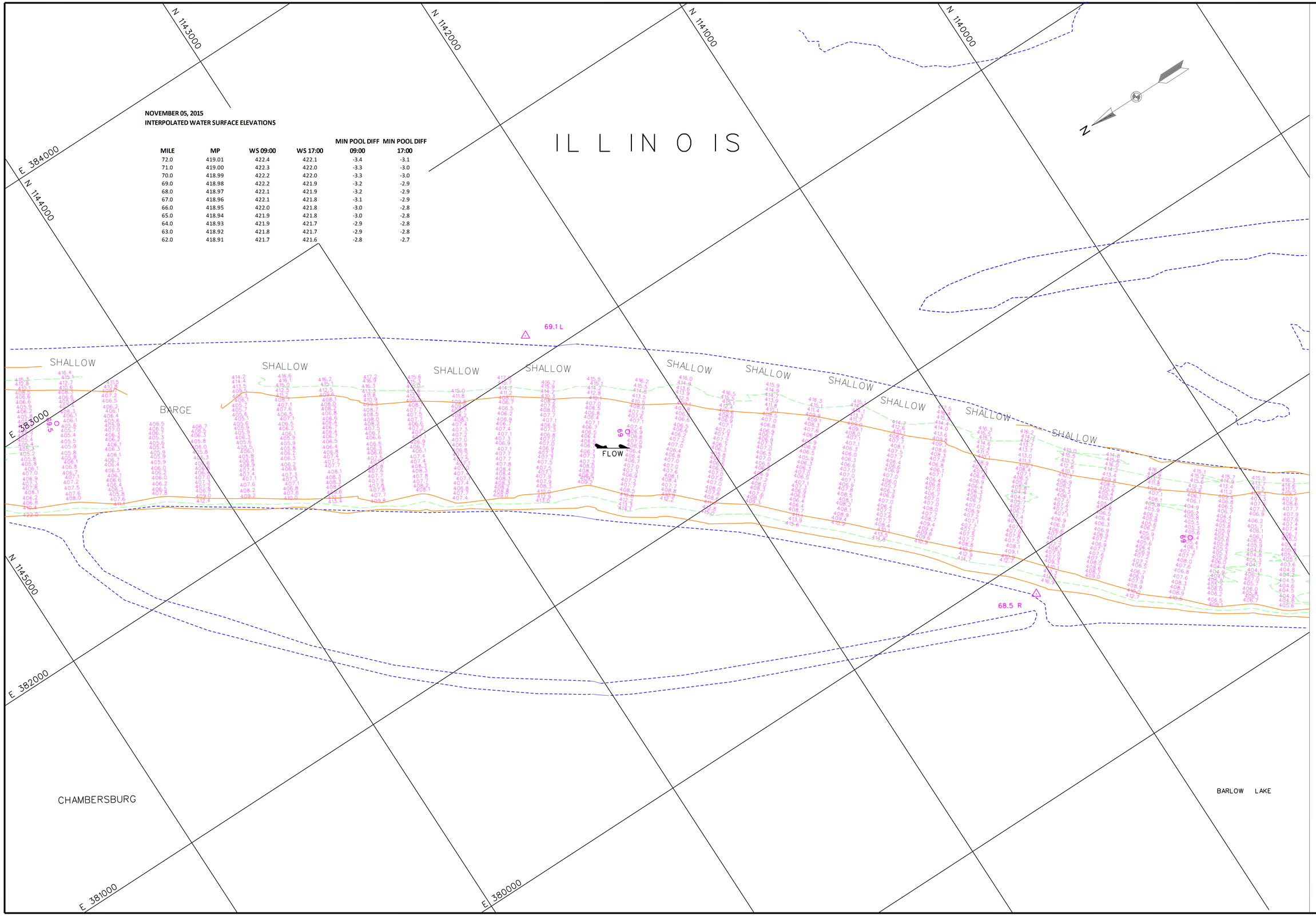
THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SITE SPECIFIC SURVEYS AND ANALYSES AT THE TIME OF SURVEY AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER

10

NOVEMBER 05, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MIN POOL DIFF 09:00	MIN POOL DIFF 17:00
72.0	419.01	422.4	422.1	-3.4	-3.1
71.0	419.00	422.3	422.0	-3.3	-3.0
70.0	418.99	422.2	422.0	-3.3	-3.0
69.0	418.98	422.2	421.9	-3.2	-2.9
68.0	418.97	422.1	421.9	-3.2	-2.9
67.0	418.96	422.1	421.8	-3.1	-2.9
66.0	418.95	422.0	421.8	-3.0	-2.8
65.0	418.94	421.9	421.8	-3.0	-2.8
64.0	418.93	421.9	421.7	-2.9	-2.8
63.0	418.92	421.8	421.7	-2.9	-2.8
62.0	418.91	421.7	421.6	-2.8	-2.7



US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	MEREDOSIA	VALLEY CITY
ZERO N.G.V.D.		418.0	418.0
MILE		70.8	61.3
MIN. POOL		419.0	418.9
DATE	05 NOV 2015	422.3 (09:00) 422.0 (17:00)	421.7 (09:00) 421.6 (17:00)

Survey Date: Nov. 02-23, 2015

Surveyed by: HANSON
Drawn by: JLK
Cad by: JCL
Reviewed by:
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
APPROVED:
Chief, Geospatial Branch
File name: 080_0004023b_mp_sh11.dgn
Plot date: November 9, 2015
Plot scale: 1" = 200'

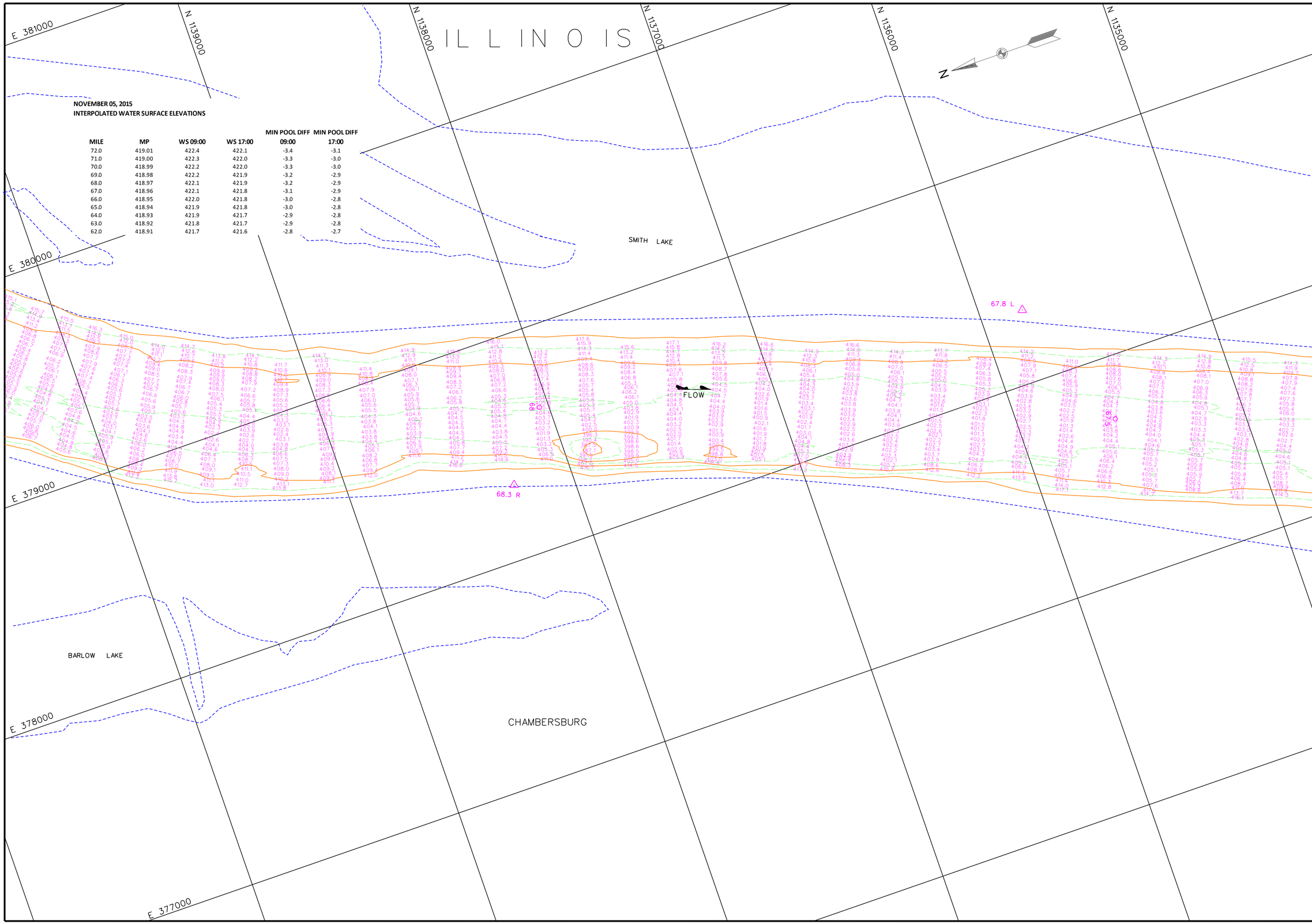
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 60
400 FEET 200 0 200

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES SHOWN AND IS INTENDED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
11



NOVEMBER 05, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MIN POOL DIFF 09:00	MIN POOL DIFF 17:00
72.0	419.01	422.4	422.1	-3.4	-3.1
71.0	419.00	422.3	422.0	-3.3	-3.0
70.0	418.99	422.2	422.0	-3.3	-3.0
69.0	418.98	422.2	421.9	-3.2	-2.9
68.0	418.97	422.1	421.9	-3.2	-2.9
67.0	418.96	422.1	421.8	-3.1	-2.9
66.0	418.95	422.0	421.8	-3.0	-2.8
65.0	418.94	421.9	421.8	-3.0	-2.8
64.0	418.93	421.9	421.7	-2.9	-2.8
63.0	418.92	421.8	421.7	-2.9	-2.8
62.0	418.91	421.7	421.6	-2.8	-2.7

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE		
	MEREDOSIA	VALLEY CITY	
ZERO N.G.V.D.	418.0	418.0	
MILE	70.8	61.3	
MIN. POOL	419.0	418.9	
DATE			
05 NOV 2015	422.3 (09:00) 422.0 (17:00)	421.7 (09:00) 421.6 (17:00)	

Survey Date: Nov. 02-23, 2015

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JDL
Reviewed by:
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_0004023b_mp_sht12.dgn
Plot date: Nov. 9, 2015
Plot scale: 1" = 200'
APPROVED:
Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

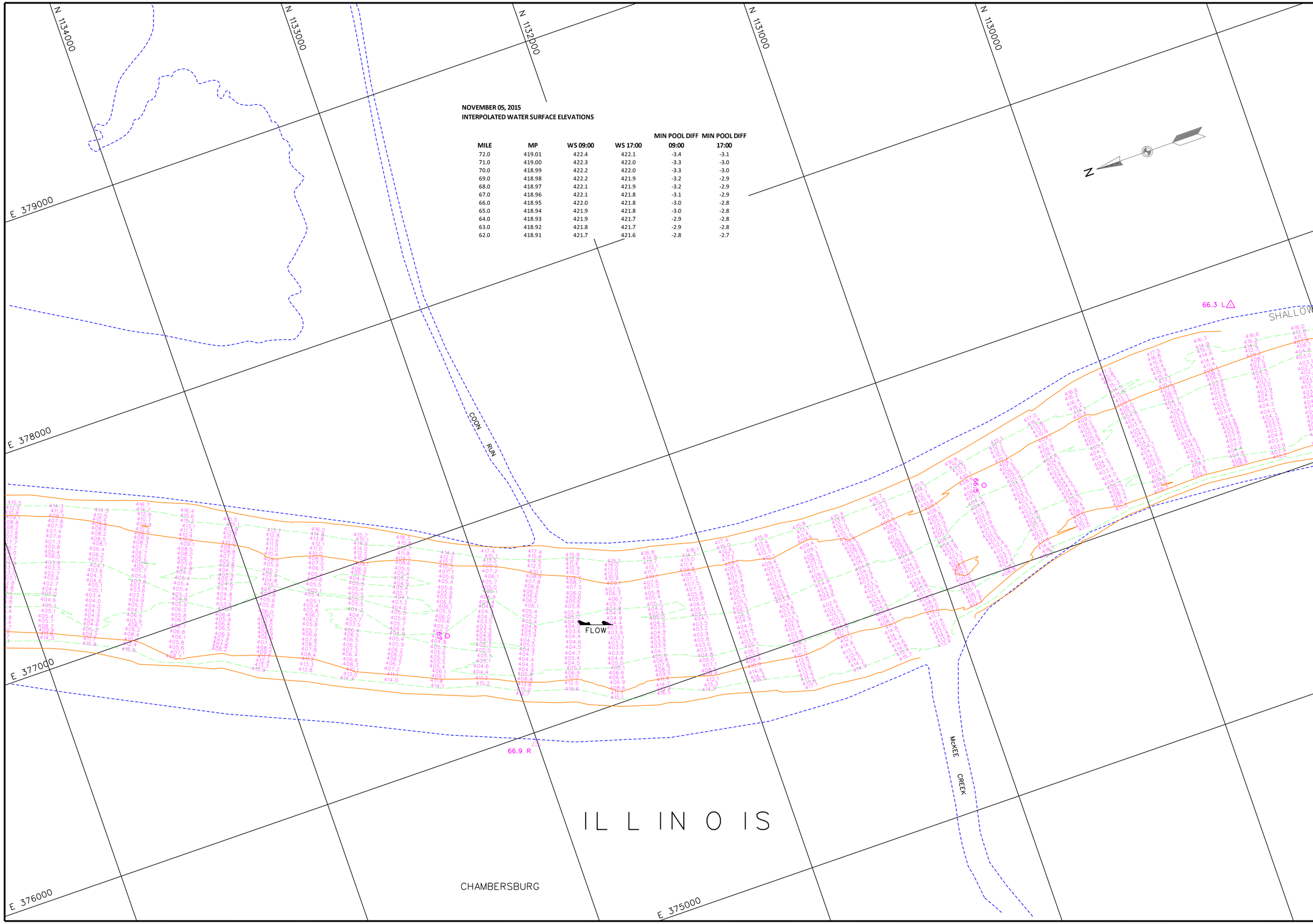
ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 60 200
400 FEET 200 0 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES SHOWN AND IS CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER

12



NOVEMBER 05, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MIN POOL DIFF 09:00	MIN POOL DIFF 17:00
72.0	419.01	422.4	422.1	-3.4	-3.1
71.0	419.00	422.3	422.0	-3.3	-3.0
70.0	418.99	422.2	422.0	-3.3	-3.0
69.0	418.98	422.2	421.9	-3.2	-2.9
68.0	418.97	422.1	421.9	-3.2	-2.9
67.0	418.96	422.1	421.8	-3.1	-2.9
66.0	418.95	422.0	421.8	-3.0	-2.8
65.0	418.94	421.9	421.8	-3.0	-2.8
64.0	418.93	421.9	421.7	-2.9	-2.8
63.0	418.92	421.8	421.7	-2.9	-2.8
62.0	418.91	421.7	421.6	-2.8	-2.7

US Army Corps of Engineers
St. Louis District

GAGE RECORD

WATER SURFACE	MEREDOSIA	VALLEY CITY
ZERO N.G.V.D.	418.0	418.0
MILE	70.8	61.3
MIN. POOL	419.0	418.9
DATE	05 NOV 2015	422.3 (09:00) 421.7 (09:00) 422.0 (17:00) 421.6 (17:00)

Survey Date: Nov. 02-23, 2015

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: 080_0004021b_mp_sht13.dgn
Plot date: December 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

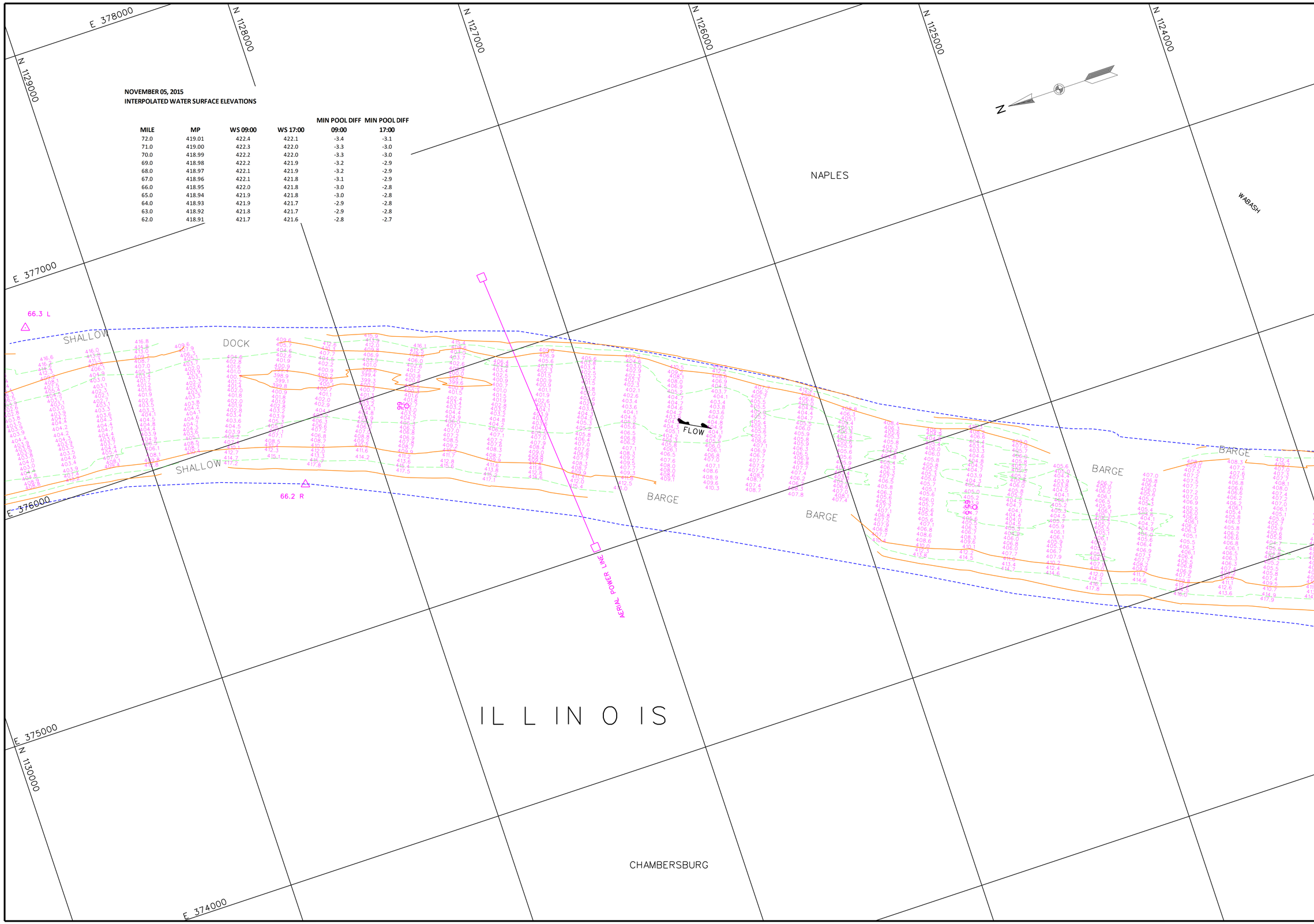
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 60
400 FEET 200 0 200

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED. THE RESULTS MAY NOT BE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
13



NOVEMBER 05, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MIN POOL DIFF 09:00	MIN POOL DIFF 17:00
72.0	419.01	422.4	422.1	-3.4	-3.1
71.0	419.00	422.3	422.0	-3.3	-3.0
70.0	418.99	422.2	422.0	-3.3	-3.0
69.0	418.98	422.2	421.9	-3.2	-2.9
68.0	418.97	422.1	421.9	-3.2	-2.9
67.0	418.96	422.1	421.8	-3.1	-2.9
66.0	418.95	422.0	421.8	-3.0	-2.8
65.0	418.94	421.9	421.8	-3.0	-2.8
64.0	418.93	421.9	421.7	-2.9	-2.8
63.0	418.92	421.8	421.7	-2.9	-2.8
62.0	418.91	421.7	421.6	-2.8	-2.7

US Army Corps of Engineers
St. Louis District

GAGE RECORD			
	MEREDOSIA	VALLEY CITY	
ZERO N.G.V.D.	418.0	418.0	
MILE	70.8	61.3	
MIN. POOL	419.0	418.9	
DATE	WATER SURFACE		
05 NOV 2015	422.3 (09:00)	421.7 (09:00)	
	422.0 (17:00)	421.6 (17:00)	

Survey Date: Nov. 02-23, 2015
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_0004023b_mp_sht14.dgn
Plot date: Nov. 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED:
Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

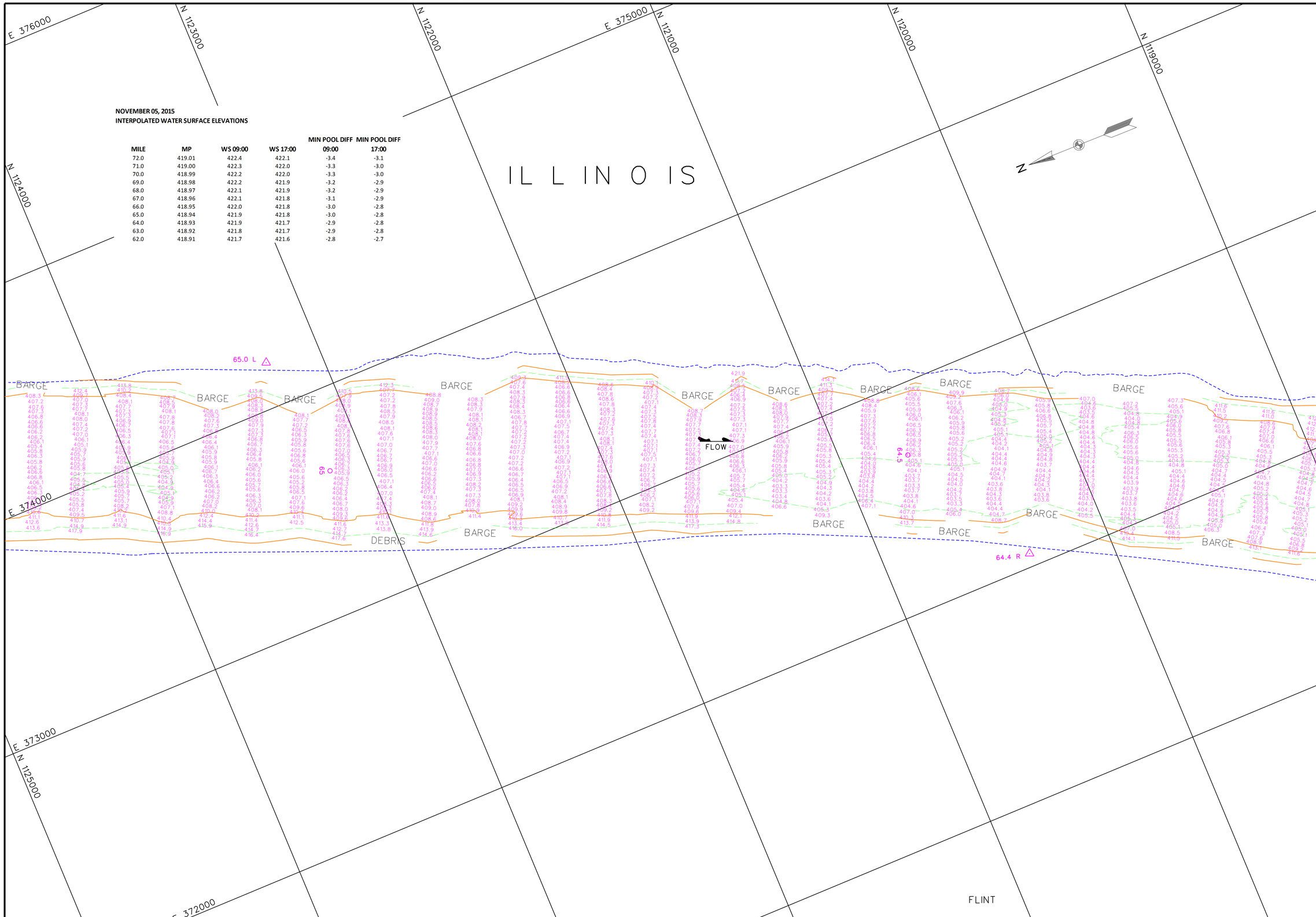
120 METERS 60 0 200
400 FEET 200 0 60

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY MADE ON THE DATES SHOWN AND IS INTENDED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
14

NOVEMBER 05, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MIN POOL DIFF 09:00	MIN POOL DIFF 17:00
72.0	419.01	422.4	422.1	-3.4	-3.1
71.0	419.00	422.3	422.0	-3.3	-3.0
70.0	418.99	422.2	422.0	-3.3	-3.0
69.0	418.98	422.2	421.9	-3.2	-2.9
68.0	418.97	422.1	421.9	-3.2	-2.9
67.0	418.96	422.1	421.8	-3.1	-2.9
66.0	418.95	422.0	421.8	-3.0	-2.8
65.0	418.94	421.9	421.8	-3.0	-2.8
64.0	418.93	421.9	421.7	-2.9	-2.8
63.0	418.92	421.8	421.7	-2.9	-2.8
62.0	418.91	421.7	421.6	-2.8	-2.7



US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	MEREDOSIA	VALLEY CITY
ZERO N.G.V.D.		418.0	
MILE		70.8	61.3
MIN. POOL		419.0	418.9
DATE	05 NOV 2015	422.3 (09:00) 422.0 (17:00)	421.7 (09:00) 421.6 (17:00)

Survey Date: Nov. 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004025_mp_ah15.dgn
Plot date: Nov. 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

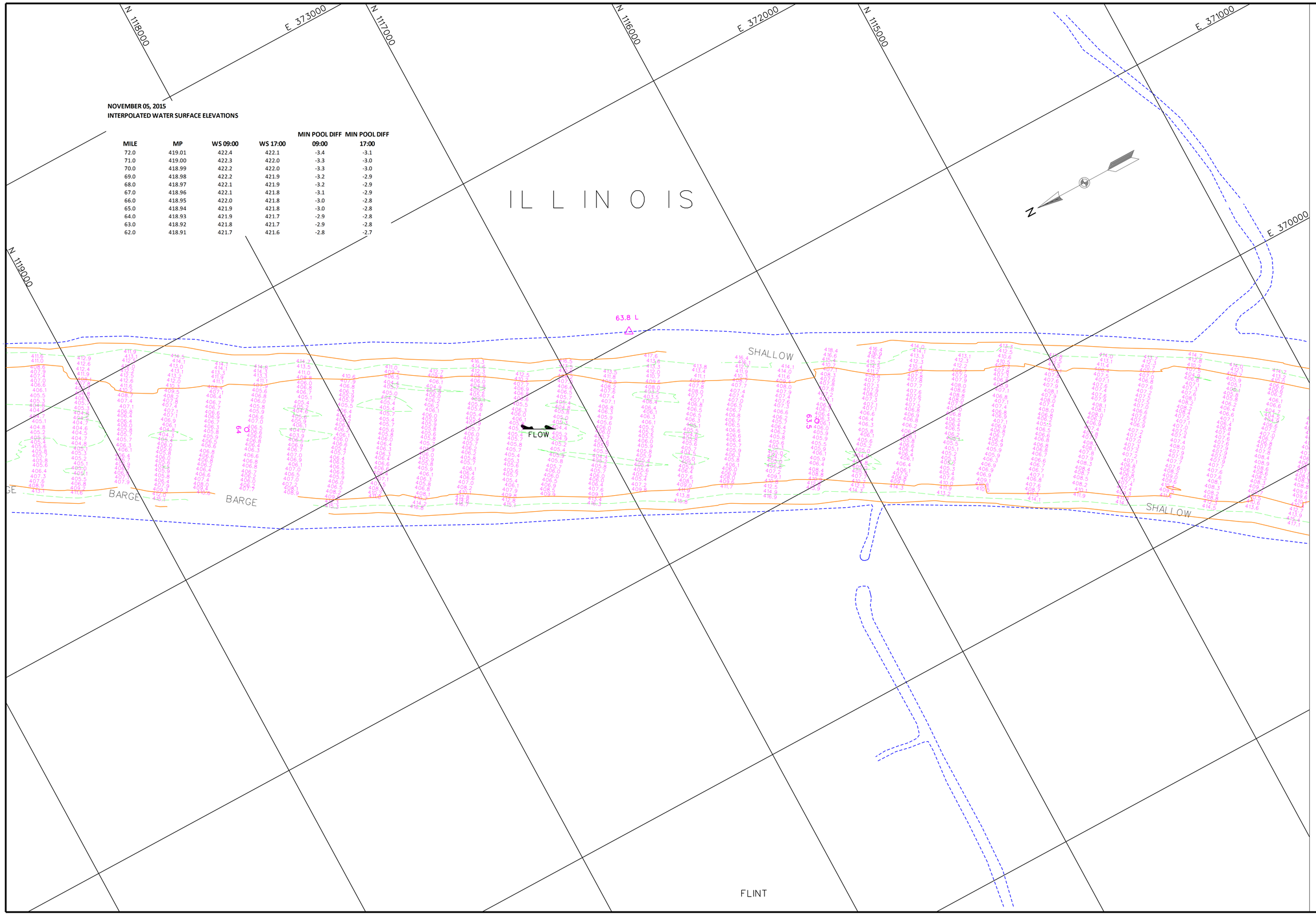
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 400 FEET
60 0 60 200 0 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE BY THE ST. LOUIS DISTRICT, CORPS OF ENGINEERS AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER
15



NOVEMBER 05, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MIN POOL DIFF 09:00	MIN POOL DIFF 17:00
72.0	419.01	422.4	422.1	-3.4	-3.1
71.0	419.00	422.3	422.0	-3.3	-3.0
70.0	418.99	422.2	422.0	-3.3	-3.0
69.0	418.98	422.2	421.9	-3.2	-2.9
68.0	418.97	422.1	421.9	-3.2	-2.9
67.0	418.96	422.1	421.8	-3.1	-2.9
66.0	418.95	422.0	421.8	-3.0	-2.8
65.0	418.94	421.9	421.8	-3.0	-2.8
64.0	418.93	421.9	421.7	-2.9	-2.8
63.0	418.92	421.8	421.7	-2.9	-2.8
62.0	418.91	421.7	421.6	-2.8	-2.7

US Army Corps of Engineers
St. Louis District

GAGE RECORD		
WATER SURFACE	MEREDOSIA	VALLEY CITY
ZERO N.G.V.D.	418.0	418.0
MILE	70.8	61.3
MIN. POOL	419.0	418.9
DATE		
05 NOV 2015	422.3 (09:00)	421.7 (09:00)
	422.0 (17:00)	421.6 (17:00)

Survey Date: Nov. 02-23, 2015

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
APPROVED:
Chief, Geospatial Branch

File name: 080_0004023b_mp_sh16.dgn
Plot date: Nov 19, 2015
Plot scale: 1" = 200'

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

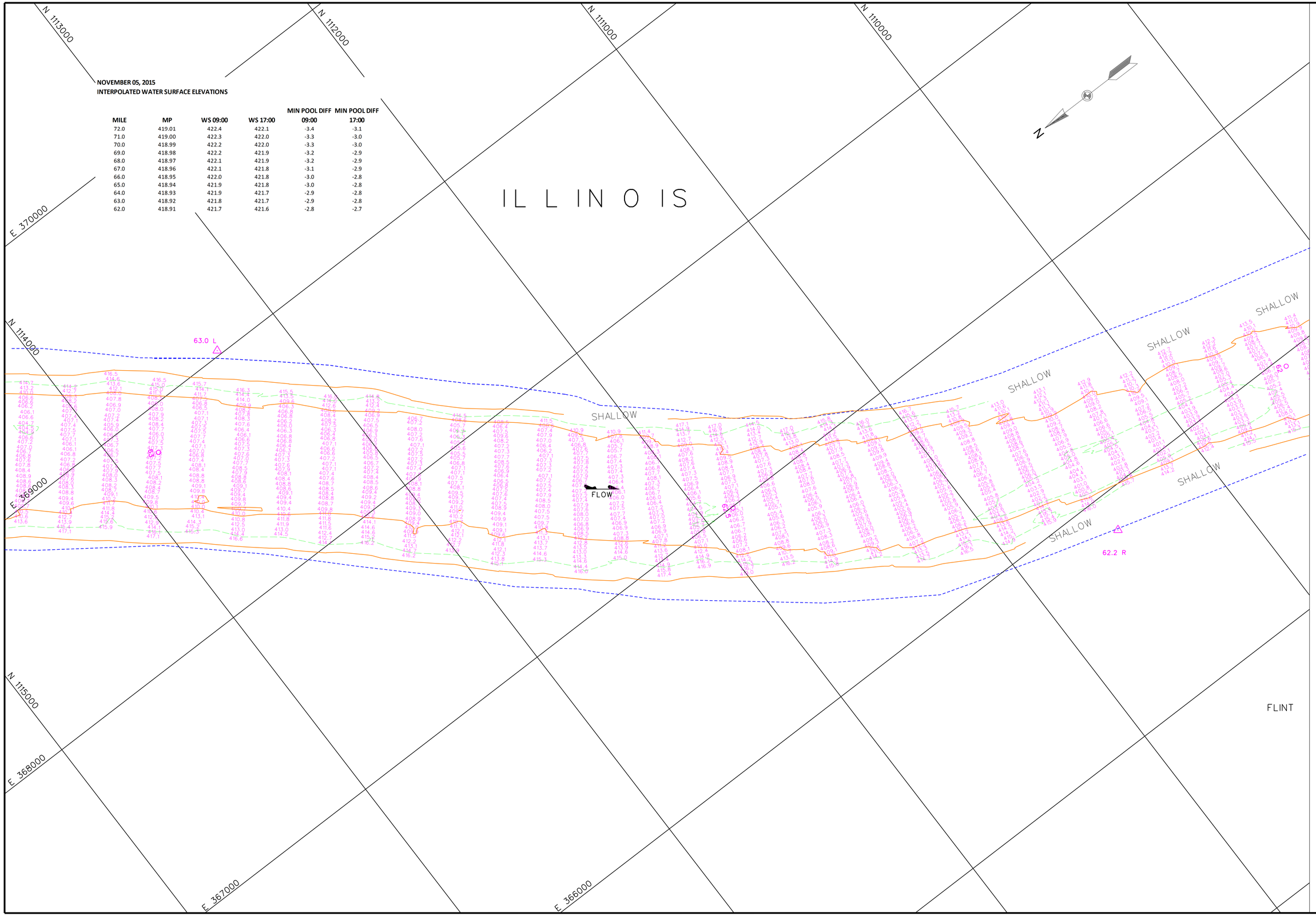
120 METERS 400 FEET
60 0 60 200 0 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE BEST DATA AVAILABLE AT THE TIME OF PUBLICATION AND MAY NOT BE ACCURATE OR AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER
16

NOVEMBER 05, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MIN POOL DIFF 09:00	MIN POOL DIFF 17:00
72.0	419.01	422.4	422.1	-3.4	-3.1
71.0	419.00	422.3	422.0	-3.3	-3.0
70.0	418.99	422.2	422.0	-3.3	-3.0
69.0	418.98	422.2	421.9	-3.2	-2.9
68.0	418.97	422.1	421.9	-3.2	-2.9
67.0	418.96	422.1	421.8	-3.1	-2.9
66.0	418.95	422.0	421.8	-3.0	-2.8
65.0	418.94	421.9	421.8	-3.0	-2.8
64.0	418.93	421.9	421.7	-2.9	-2.8
63.0	418.92	421.8	421.7	-2.9	-2.8
62.0	418.91	421.7	421.6	-2.8	-2.7



US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE		
ZERO N.G.V.D.	MEREDOSIA	VALLEY CITY	
MILE	418.0	418.0	
MIN. POOL	70.8	61.3	
DATE	419.0	418.9	
05 NOV 2015	422.3 (09:00)	421.7 (09:00)	
	422.0 (17:00)	421.6 (17:00)	

Survey Date: Nov 02-23, 2015

Surveyed by: HANSON
Drawn by: JLK
Cktd by: JCL
Reviewed by:
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_0004025_mp_sht17.dgn
Plot date: Dec 9, 2015
Plot scale: 1" = 200'
APPROVED:
Chief, Geospatial Branch

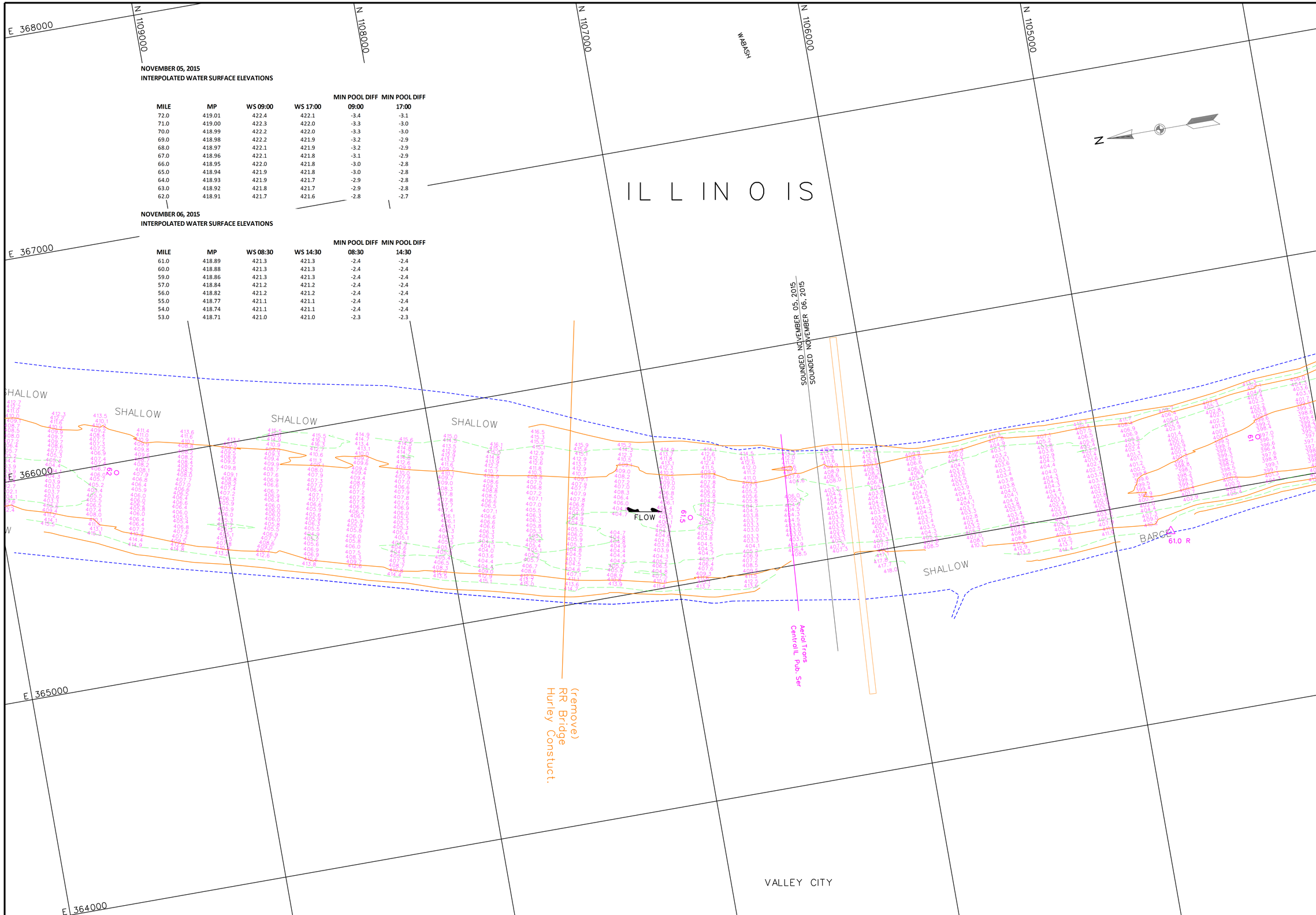
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS
400 FEET
60 0 60 200 0 200

THE INFORMATION REPRESENTED ON THIS MAP REPRESENTS THE RESULTS OF SITE INVESTIGATIONS PERFORMED BY THE CORPS OF ENGINEERS AND INDICATES THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
17



NOVEMBER 05, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MIN POOL DIFF 09:00	MIN POOL DIFF 17:00
72.0	419.01	422.4	422.1	-3.4	-3.1
71.0	419.00	422.3	422.0	-3.3	-3.0
70.0	418.99	422.2	422.0	-3.3	-3.0
69.0	418.98	422.2	421.9	-3.2	-2.9
68.0	418.97	422.1	421.9	-3.2	-2.9
67.0	418.96	422.1	421.8	-3.1	-2.9
66.0	418.95	422.0	421.8	-3.0	-2.8
65.0	418.94	421.9	421.8	-3.0	-2.8
64.0	418.93	421.9	421.7	-2.9	-2.8
63.0	418.92	421.8	421.7	-2.9	-2.8
62.0	418.91	421.7	421.6	-2.8	-2.7

NOVEMBER 06, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:30	WS 14:30	MIN POOL DIFF 08:30	MIN POOL DIFF 14:30
61.0	418.89	421.3	421.3	-2.4	-2.4
60.0	418.88	421.3	421.3	-2.4	-2.4
59.0	418.86	421.3	421.3	-2.4	-2.4
57.0	418.84	421.2	421.2	-2.4	-2.4
56.0	418.82	421.2	421.2	-2.4	-2.4
55.0	418.77	421.1	421.1	-2.4	-2.4
54.0	418.74	421.1	421.1	-2.4	-2.4
53.0	418.71	421.0	421.0	-2.3	-2.3

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	MERCDOSIA	VALLEY CITY
ZERO N.G.V.D.		418.0	418.0
MILE		70.8	61.3
MIN. POOL		419.0	418.9
DATE			
	05 NOV 2015	422.3 (09:00)	421.7 (09:00)
	06 NOV 2015	421.8 (08:30)	421.3 (08:30)

Survey Date: Nov. 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004023b_mp_sht18.dgn
Plot date: October 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

60 200 0 0 60 120 METERS
200 400 FEET

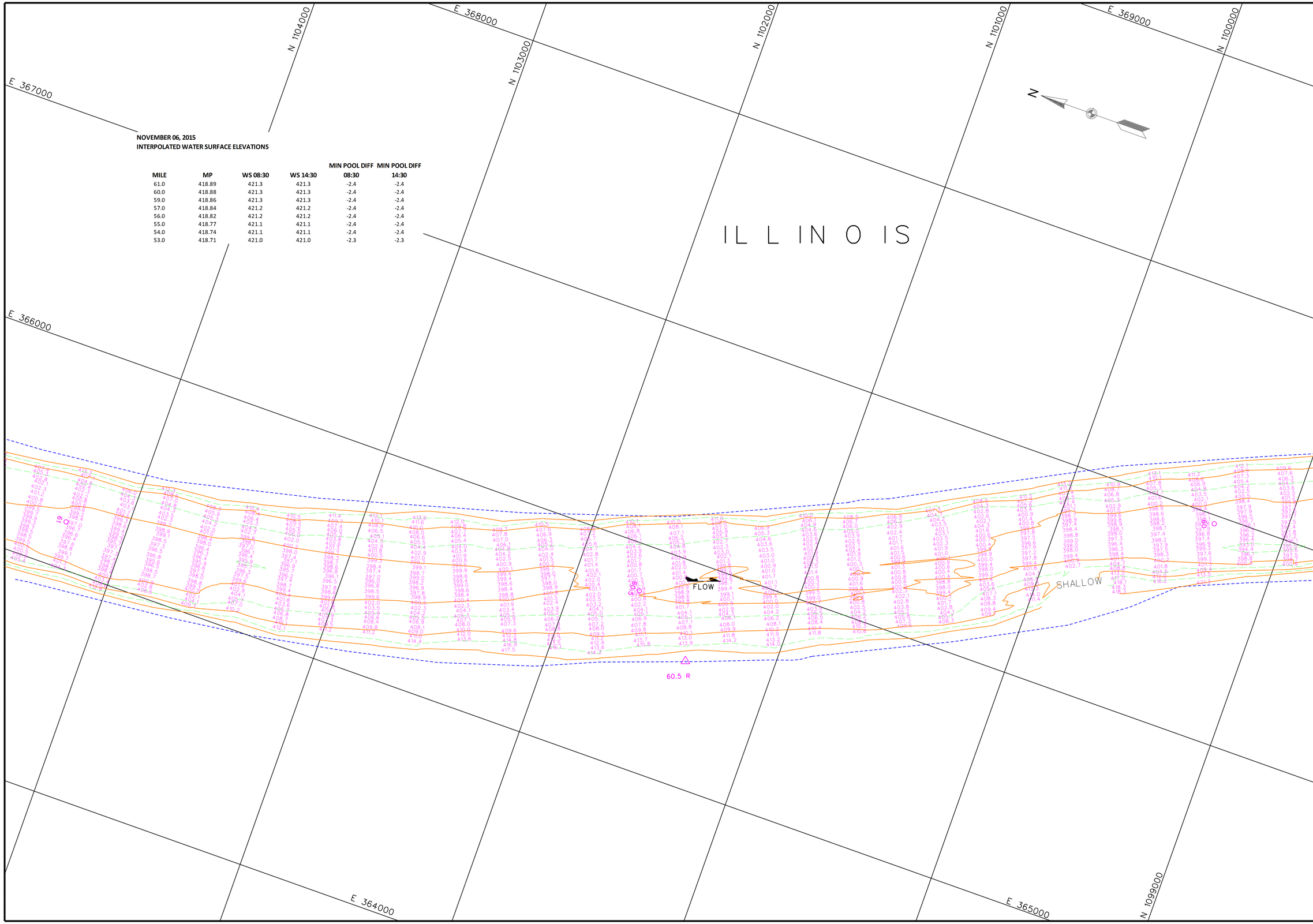
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY PERFORMED ON THE DATES LISTED AND IS SHOWN AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER

18

NOVEMBER 06, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:30	WS 14:30	MIN POOL DIFF 08:30	MIN POOL DIFF 14:30
61.0	418.89	421.3	421.3	-2.4	-2.4
60.0	418.88	421.3	421.3	-2.4	-2.4
59.0	418.86	421.3	421.3	-2.4	-2.4
57.0	418.84	421.2	421.2	-2.4	-2.4
56.0	418.82	421.2	421.2	-2.4	-2.4
55.0	418.77	421.1	421.1	-2.4	-2.4
54.0	418.74	421.1	421.1	-2.4	-2.4
53.0	418.71	421.0	421.0	-2.3	-2.3



US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	VALLEY CITY	FLORENCE
ZERO N.G.V.D.		418.0	400.0
MILE		61.3	56.0
MIN. POOL		418.9	418.8
DATE	06 NOV 2015	421.3 (08:30) 421.3 (14:30)	421.1 (08:30) 421.2 (14:30)

Survey Date: Nov. 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004021b_mp_sht19.dgn
Plot date: December 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JDL
Reviewed by:
APPROVED: Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

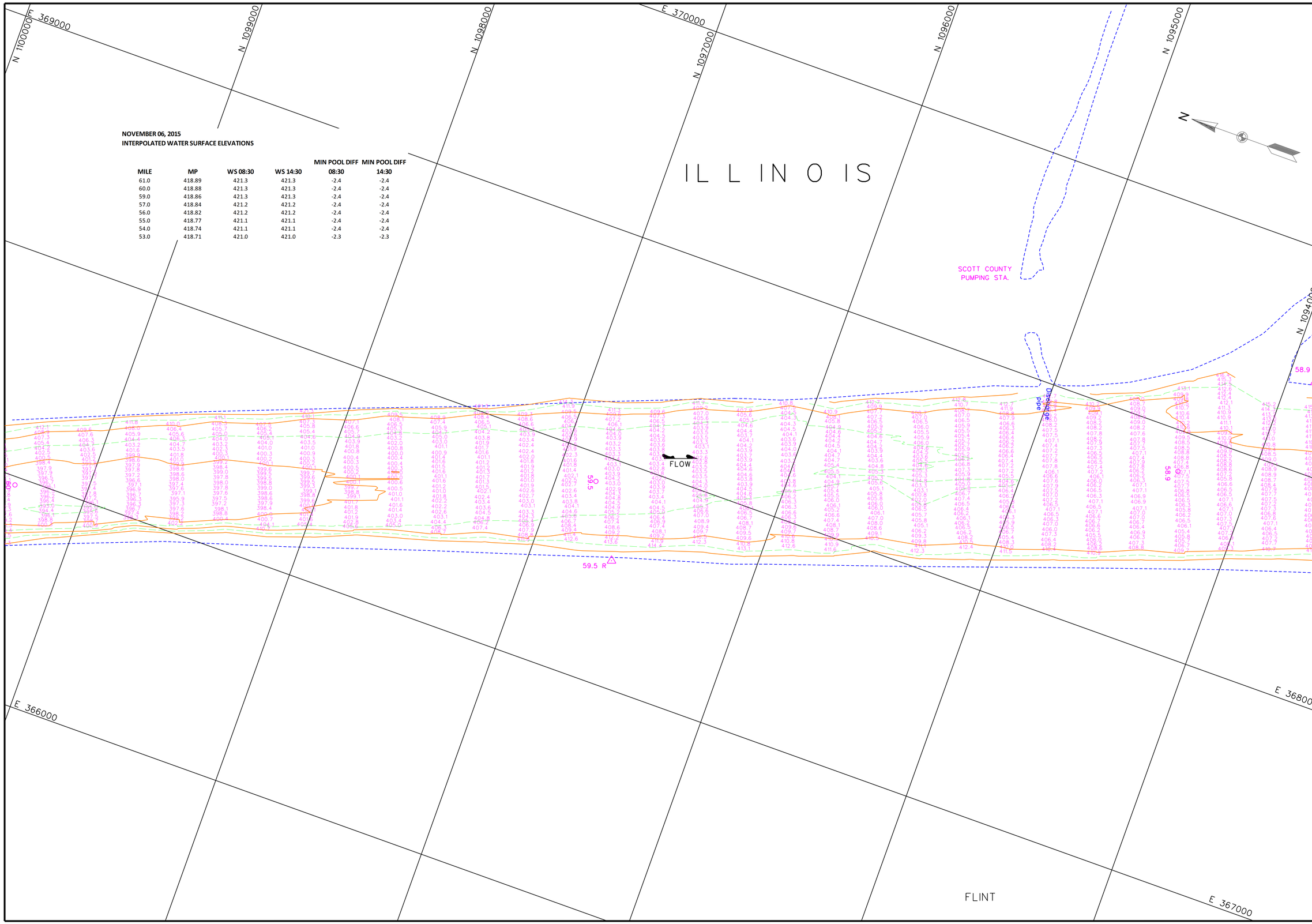
ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THE TIME INDICATED AND MAY NOT BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER

19



NOVEMBER 06, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:30	WS 14:30	MIN POOL DIFF 08:30	MIN POOL DIFF 14:30
61.0	418.89	421.3	421.3	-2.4	-2.4
60.0	418.88	421.3	421.3	-2.4	-2.4
59.0	418.86	421.3	421.3	-2.4	-2.4
57.0	418.84	421.2	421.2	-2.4	-2.4
56.0	418.82	421.2	421.2	-2.4	-2.4
55.0	418.77	421.1	421.1	-2.4	-2.4
54.0	418.74	421.1	421.1	-2.4	-2.4
53.0	418.71	421.0	421.0	-2.3	-2.3

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	VALLEY CITY	FLORENCE
ZERO N.G.V.D.		418.0	400.0
MILE		61.3	56.0
MIN. POOL		418.9	418.8
DATE	06 NOV 2015	421.3 (08:30) 421.3 (14:30)	421.1 (08:30) 421.2 (14:30)

Survey Date: Nov 02-23, 2015

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
APPROVED:
Chief, Geospatial Branch

File name: 080_0004025_mp_sht20.dgn
Plot date: Nov 9, 2015
Plot scale: 1" = 200'

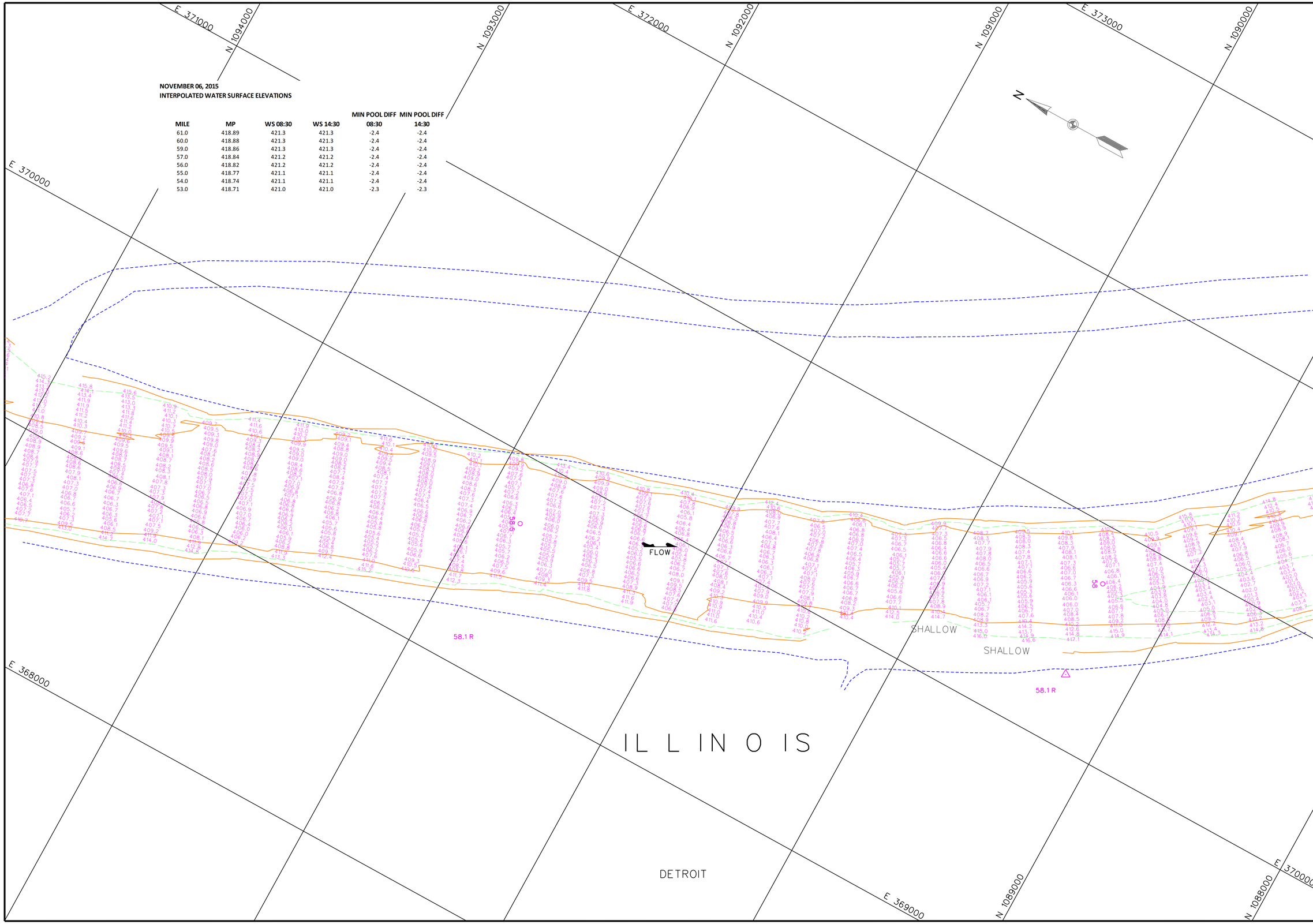
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 400 FEET
60 0 60 200 0 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE BEST DATA AVAILABLE AT THE TIME OF SURVEY. THE DEPTHS SHOWN ARE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER
20



NOVEMBER 06, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:30	WS 14:30	MIN POOL DIFF 08:30	MIN POOL DIFF 14:30
61.0	418.89	421.3	421.3	-2.4	-2.4
60.0	418.88	421.3	421.3	-2.4	-2.4
59.0	418.86	421.3	421.3	-2.4	-2.4
57.0	418.84	421.2	421.2	-2.4	-2.4
56.0	418.82	421.2	421.2	-2.4	-2.4
55.0	418.77	421.1	421.1	-2.4	-2.4
54.0	418.74	421.1	421.1	-2.4	-2.4
53.0	418.71	421.0	421.0	-2.3	-2.3

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	VALLEY CITY	FLORENCE
ZERO N.G.V.D.		418.0	400.0
MILE		61.3	56.0
MIN POOL		418.9	418.8
DATE	06 NOV 2015	421.3 (08:30) 421.3 (14:30)	421.1 (08:30) 421.2 (14:30)

Survey Date: Nov. 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004021S_mp_sht21.dgn
Plot date: December 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED:
Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

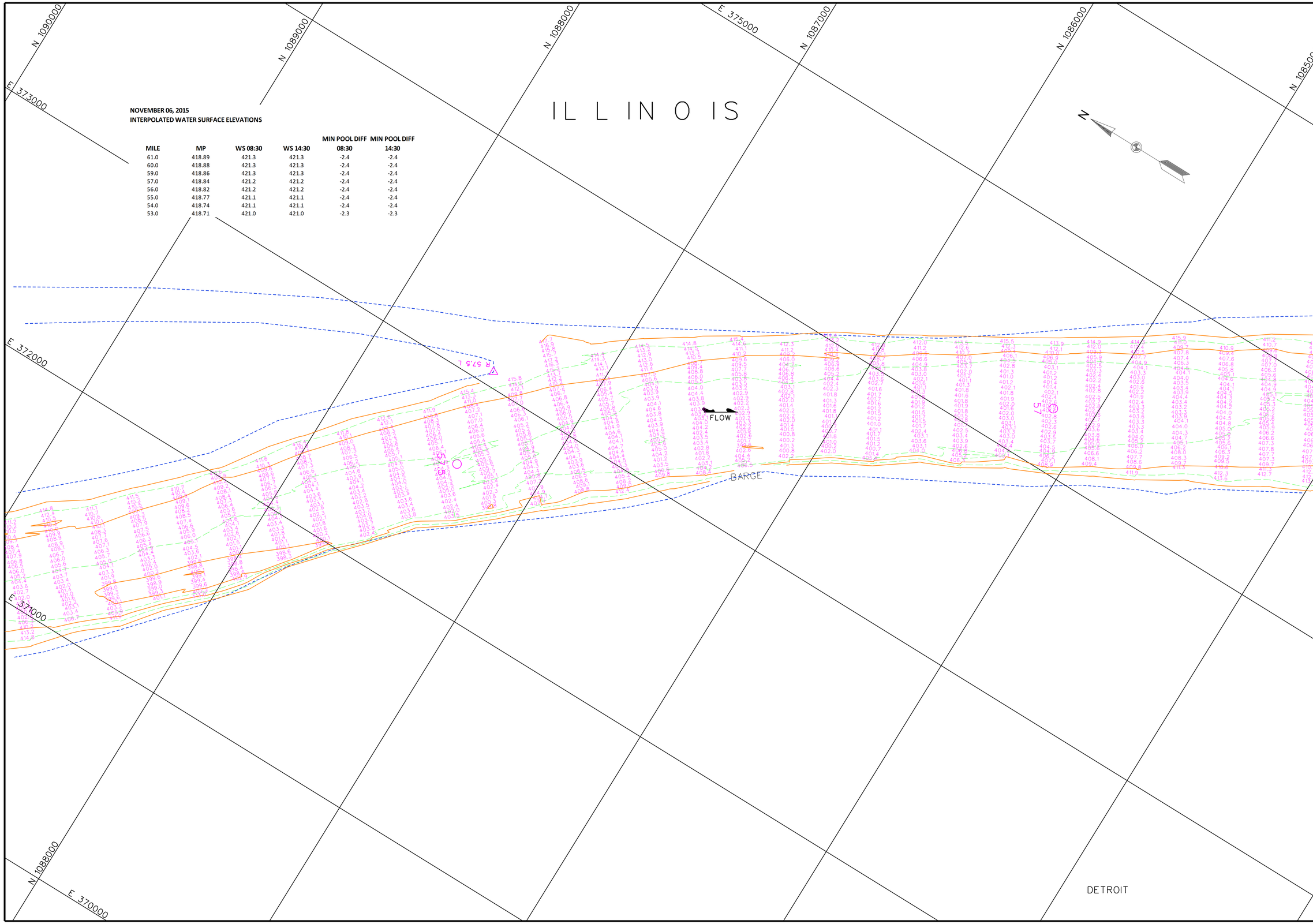
ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 200 400 FEET

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE CONDITIONS OF THE RIVER AT THE TIME OF THE SURVEY AND IS INTENDED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER

21



NOVEMBER 06, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:30	WS 14:30	MIN POOL DIFF 08:30	MIN POOL DIFF 14:30
61.0	418.89	421.3	421.3	-2.4	-2.4
60.0	418.88	421.3	421.3	-2.4	-2.4
59.0	418.86	421.3	421.3	-2.4	-2.4
57.0	418.84	421.2	421.2	-2.4	-2.4
56.0	418.82	421.2	421.2	-2.4	-2.4
55.0	418.77	421.1	421.1	-2.4	-2.4
54.0	418.74	421.1	421.1	-2.4	-2.4
53.0	418.71	421.0	421.0	-2.3	-2.3

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	VALLEY CITY	FLORENCE
ZERO N.G.V.D.		418.0	400.0
MILE		61.3	56.0
MIN. POOL		418.9	418.8
DATE	06 NOV 2015	421.3 (08:30) 421.3 (14:30)	421.1 (08:30) 421.2 (14:30)

Survey Date: Nov. 02-23, 2015

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
APPROVED:
Chief, Geospatial Branch

File name: 080_0004025_mp_sht22.dgn
Plot date: Nov. 24, 2015
Plot scale: 1" = 200'

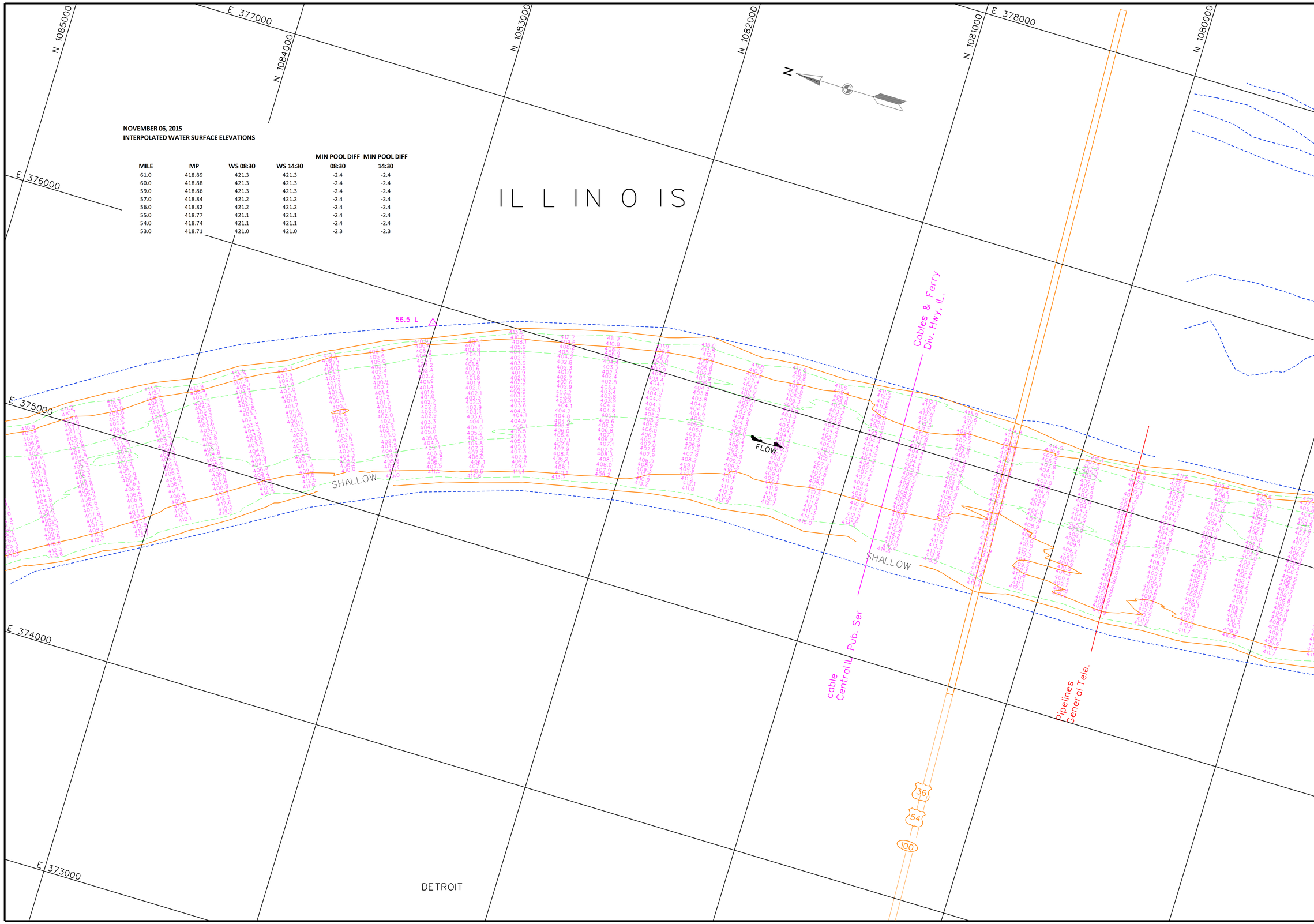
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 60 200
400 FEET 200 0 200 600

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE BY THE CORPS OF ENGINEERS AND IS REPRESENTED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER
22



NOVEMBER 06, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:30	WS 14:30	MIN POOL DIFF 08:30	MIN POOL DIFF 14:30
61.0	418.89	421.3	421.3	-2.4	-2.4
60.0	418.88	421.3	421.3	-2.4	-2.4
59.0	418.86	421.3	421.3	-2.4	-2.4
57.0	418.84	421.2	421.2	-2.4	-2.4
56.0	418.82	421.2	421.2	-2.4	-2.4
55.0	418.77	421.1	421.1	-2.4	-2.4
54.0	418.74	421.1	421.1	-2.4	-2.4
53.0	418.71	421.0	421.0	-2.3	-2.3

US Army Corps
of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	VALLEY CITY	FLORENCE
ZERO N.G.V.D.		418.0	400.0
MILE		61.3	56.0
MIN. POOL		418.9	418.8
DATE	06 NOV 2015	421.3 (08:30) 421.3 (14:30)	421.1 (08:30) 421.2 (14:30)

Survey Date: Nov 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004023b_mp_sht23.dgn
Plot date: December 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Clkd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

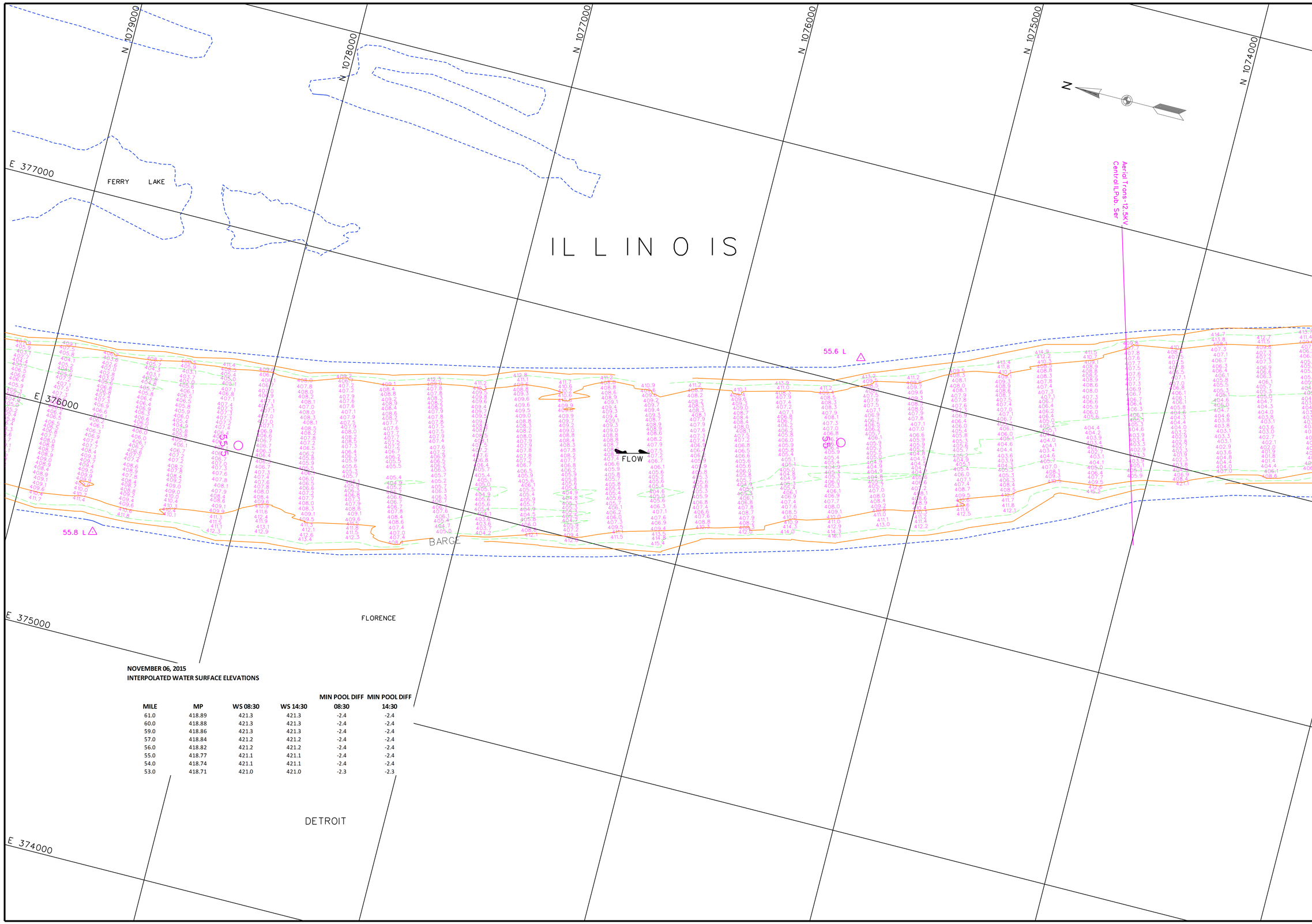
ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 0 60 200
400 FEET 0 200 60

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE BY THE ST. LOUIS DISTRICT AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER

23



NOVEMBER 06, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:30	WS 14:30	MIN POOL DIFF 08:30	MIN POOL DIFF 14:30
61.0	418.89	421.3	421.3	-2.4	-2.4
60.0	418.88	421.3	421.3	-2.4	-2.4
59.0	418.86	421.3	421.3	-2.4	-2.4
57.0	418.84	421.2	421.2	-2.4	-2.4
56.0	418.82	421.2	421.2	-2.4	-2.4
55.0	418.77	421.1	421.1	-2.4	-2.4
54.0	418.74	421.1	421.1	-2.4	-2.4
53.0	418.71	421.0	421.0	-2.3	-2.3

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE		
		FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN. POOL		418.8	418.4
DATE	06 NOV 2015	421.1 (08:30) 421.2 (14:30)	420.5 (08:30) 420.5 (14:30)

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
Chief, Engr. Data Mngt. Sect.
SUBMITTED:
File name: 080_0004025_mp_sht24.dgn
Plot date: November 9, 2015
Plot scale: 1" = 200'
APPROVED:
Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

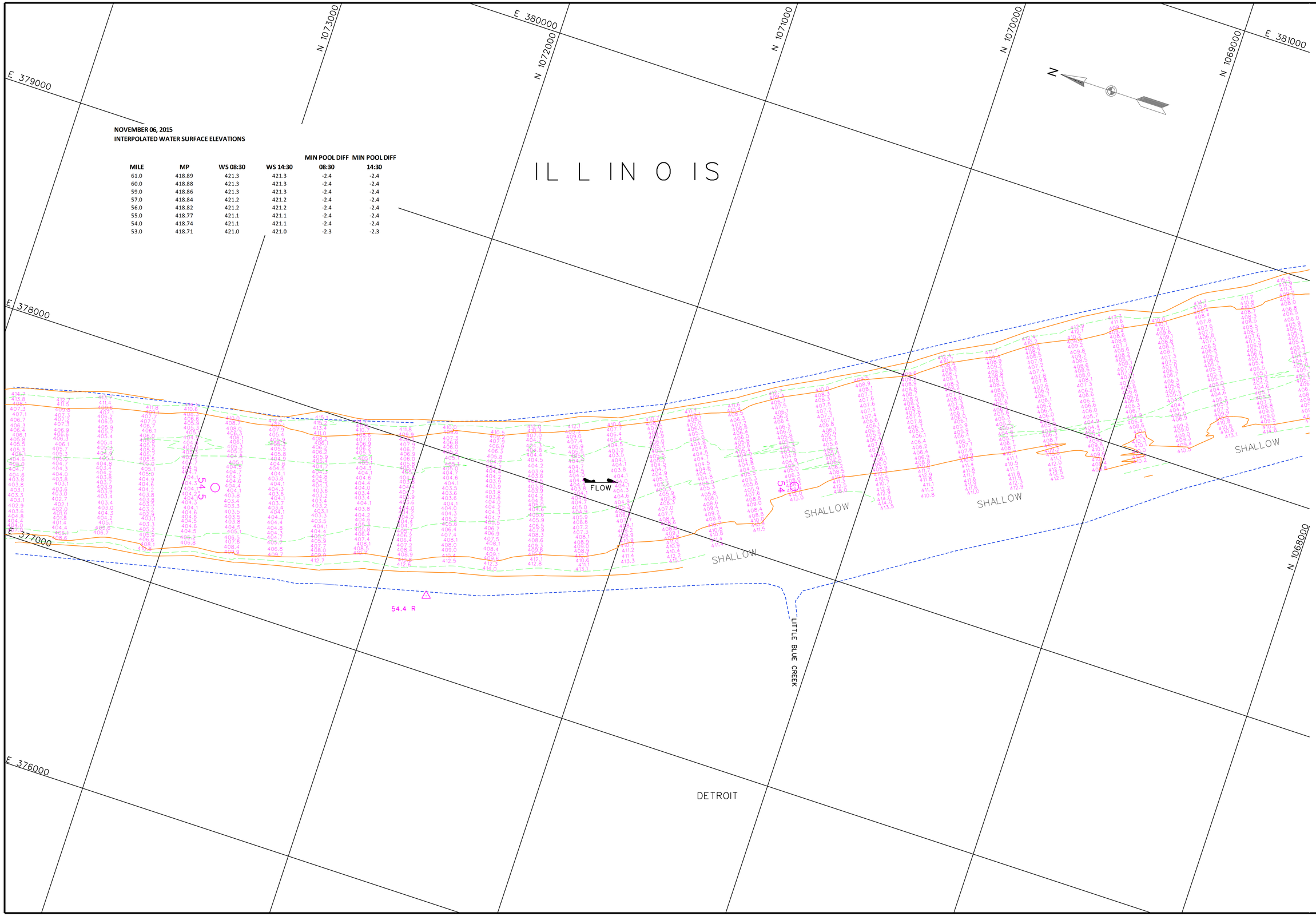
ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 0 200 400 FEET

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND IS ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER

24



NOVEMBER 06, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:30	WS 14:30	MIN POOL DIFF 08:30	MIN POOL DIFF 14:30
61.0	418.89	421.3	421.3	-2.4	-2.4
60.0	418.88	421.3	421.3	-2.4	-2.4
59.0	418.86	421.3	421.3	-2.4	-2.4
57.0	418.84	421.2	421.2	-2.4	-2.4
56.0	418.82	421.2	421.2	-2.4	-2.4
55.0	418.77	421.1	421.1	-2.4	-2.4
54.0	418.74	421.1	421.1	-2.4	-2.4
53.0	418.71	421.0	421.0	-2.3	-2.3

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN. POOL		418.8	418.4
DATE	06 NOV 2015	421.1 (08:30) 421.2 (14:30)	420.5 (08:30) 420.5 (14:30)

Survey Date: Nov. 02-23, 2015

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: 080_0004025_mp_sh125.dgn
Plot date: November 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED:
Chief, Geospatial Branch

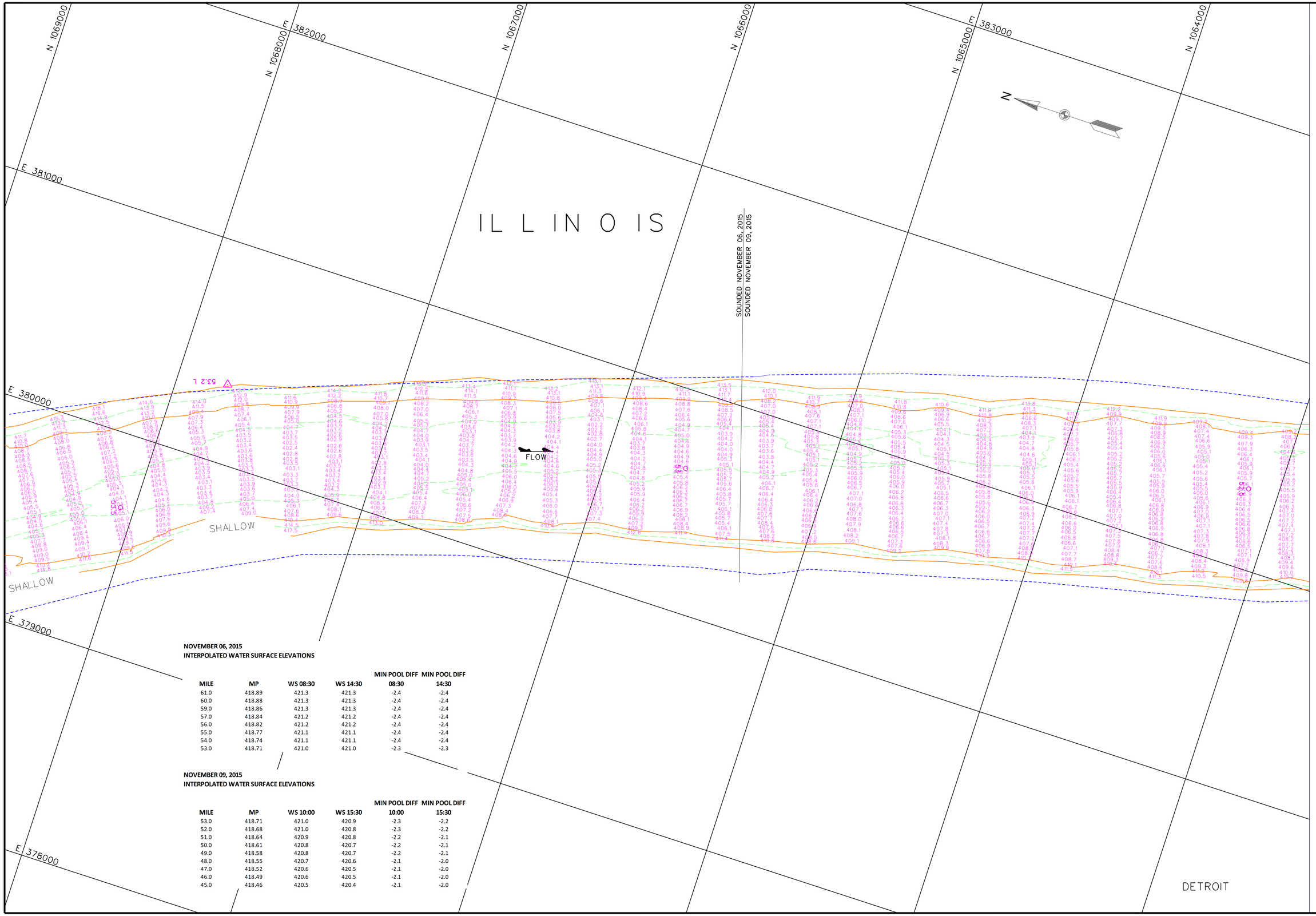
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS
400 FEET
60 0 60 200
0 200

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE BY THE ST. LOUIS DISTRICT, CORPS OF ENGINEERS AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
25



NOVEMBER 06, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:30	WS 14:30	MIN POOL DIFF 08:30	MIN POOL DIFF 14:30
61.0	418.89	421.3	421.3	-2.4	-2.4
60.0	418.88	421.3	421.3	-2.4	-2.4
59.0	418.86	421.3	421.3	-2.4	-2.4
57.0	418.84	421.2	421.2	-2.4	-2.4
56.0	418.82	421.2	421.2	-2.4	-2.4
55.0	418.77	421.1	421.1	-2.4	-2.4
54.0	418.74	421.1	421.1	-2.4	-2.4
53.0	418.71	421.0	421.0	-2.3	-2.3

NOVEMBER 09, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 15:30	MIN POOL DIFF 10:00	MIN POOL DIFF 15:30
53.0	418.71	421.0	420.9	-2.3	-2.2
52.0	418.68	421.0	420.8	-2.3	-2.2
51.0	418.64	420.9	420.8	-2.2	-2.1
50.0	418.61	420.8	420.7	-2.2	-2.1
49.0	418.58	420.8	420.7	-2.2	-2.1
48.0	418.55	420.7	420.6	-2.1	-2.0
47.0	418.52	420.6	420.5	-2.1	-2.0
46.0	418.49	420.6	420.5	-2.1	-2.0
45.0	418.46	420.5	420.4	-2.1	-2.0

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN POOL		418.8	418.4
DATE			
	06 NOV 2015	421.2 (08:30)	420.5 (08:30)
	09 NOV 2015	421.2 (10:00)	420.4 (10:00)

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch
Survey Date: Nov. 02-23, 2015
SUBMITTED: Chief, Engr. Data Mngt. Sect.
File name: 080_0004025b_mp_sht26.dgn
Plot date: Dec. 9, 2015
Plot scale: 1" = 200'

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

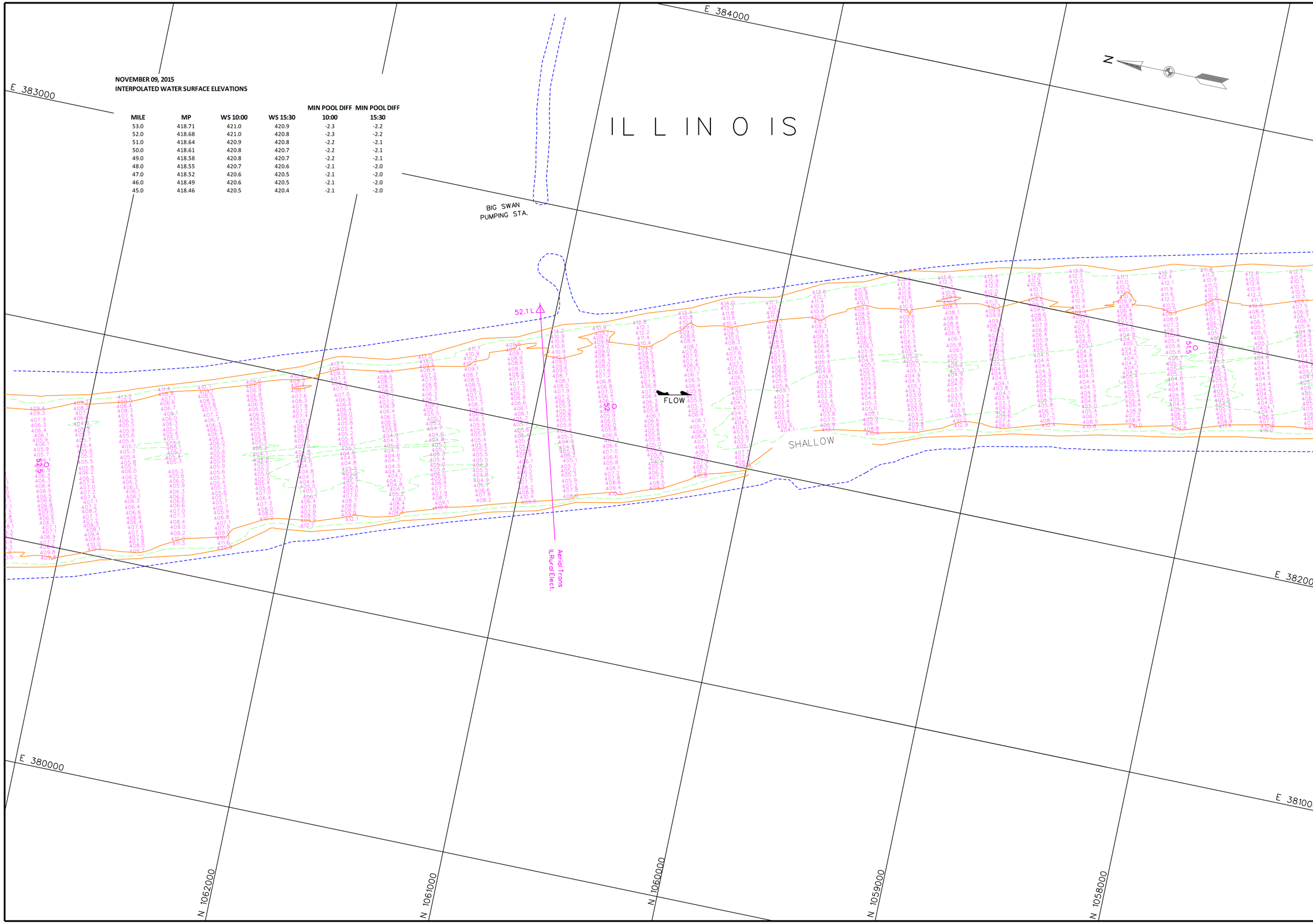
120 METERS 400 FEET
60 200
0 0
60 200

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SITE INVESTIGATIONS MADE ON THE DATES SHOWN AND MAY NOT BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
26

NOVEMBER 09, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 15:30	MIN POOL DIFF 10:00	MIN POOL DIFF 15:30
53.0	418.71	421.0	420.9	-2.3	-2.2
52.0	418.68	421.0	420.8	-2.3	-2.2
51.0	418.64	420.9	420.8	-2.2	-2.1
50.0	418.61	420.8	420.7	-2.2	-2.1
49.0	418.58	420.8	420.7	-2.2	-2.1
48.0	418.55	420.7	420.6	-2.1	-2.0
47.0	418.52	420.6	420.5	-2.1	-2.0
46.0	418.49	420.6	420.5	-2.1	-2.0
45.0	418.46	420.5	420.4	-2.1	-2.0



US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN. POOL		418.8	418.4
DATE	09 NOV 2015	421.2 (10:00) 421.1 (15:30)	420.4 (10:00) 420.3 (15:30)

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

Survey Date: Nov. 02-23, 2015
SUBMITTED: Chief, Engr. Data Mngt. Sect.
File name: 080_0004025_mp_sht27.dgn
Plot date: Nov. 9, 2015
Plot scale: 1" = 200'

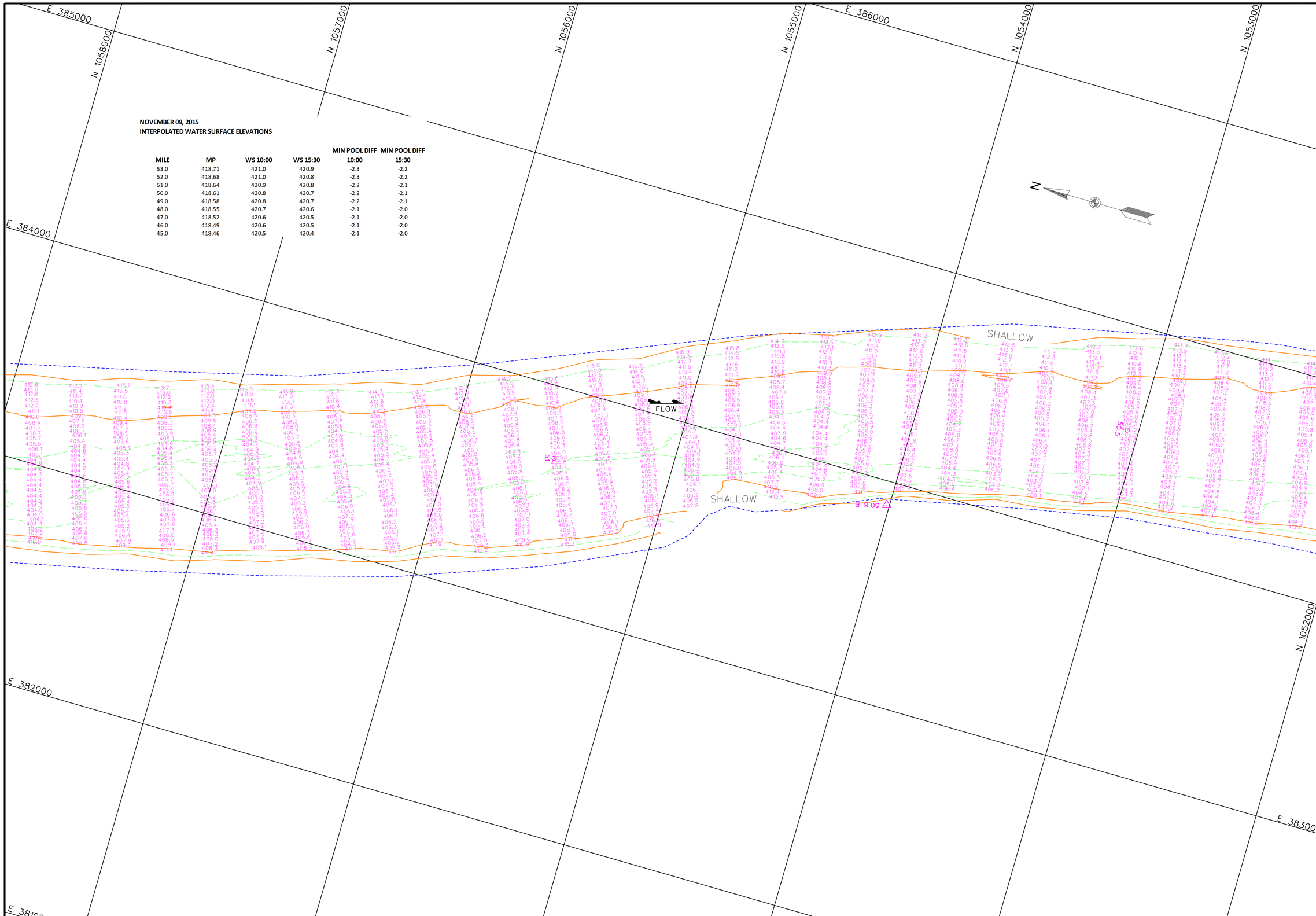
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 60 200
400 FEET 200 0 200 600

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF HYDROGRAPHIC SURVEYS MADE BY THE ST. LOUIS DISTRICT AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER
27



NOVEMBER 09, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 15:30	MIN POOL DIFF 10:00	MIN POOL DIFF 15:30
53.0	418.71	421.0	420.9	-2.3	-2.2
52.0	418.68	421.0	420.8	-2.3	-2.2
51.0	418.64	420.9	420.8	-2.2	-2.1
50.0	418.61	420.8	420.7	-2.2	-2.1
49.0	418.58	420.8	420.7	-2.2	-2.1
48.0	418.55	420.7	420.6	-2.1	-2.0
47.0	418.52	420.6	420.5	-2.1	-2.0
46.0	418.49	420.6	420.5	-2.1	-2.0
45.0	418.46	420.5	420.4	-2.1	-2.0

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN POOL		418.8	418.4
DATE	09 NOV 2015	421.2 (10:00) 421.1 (15:30)	420.4 (10:00) 420.3 (15:30)

Survey Date: Nov. 02-23, 2015

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: 080_0004025_mp_sht28.dgn
Plot date: Monday, November 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Cktd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

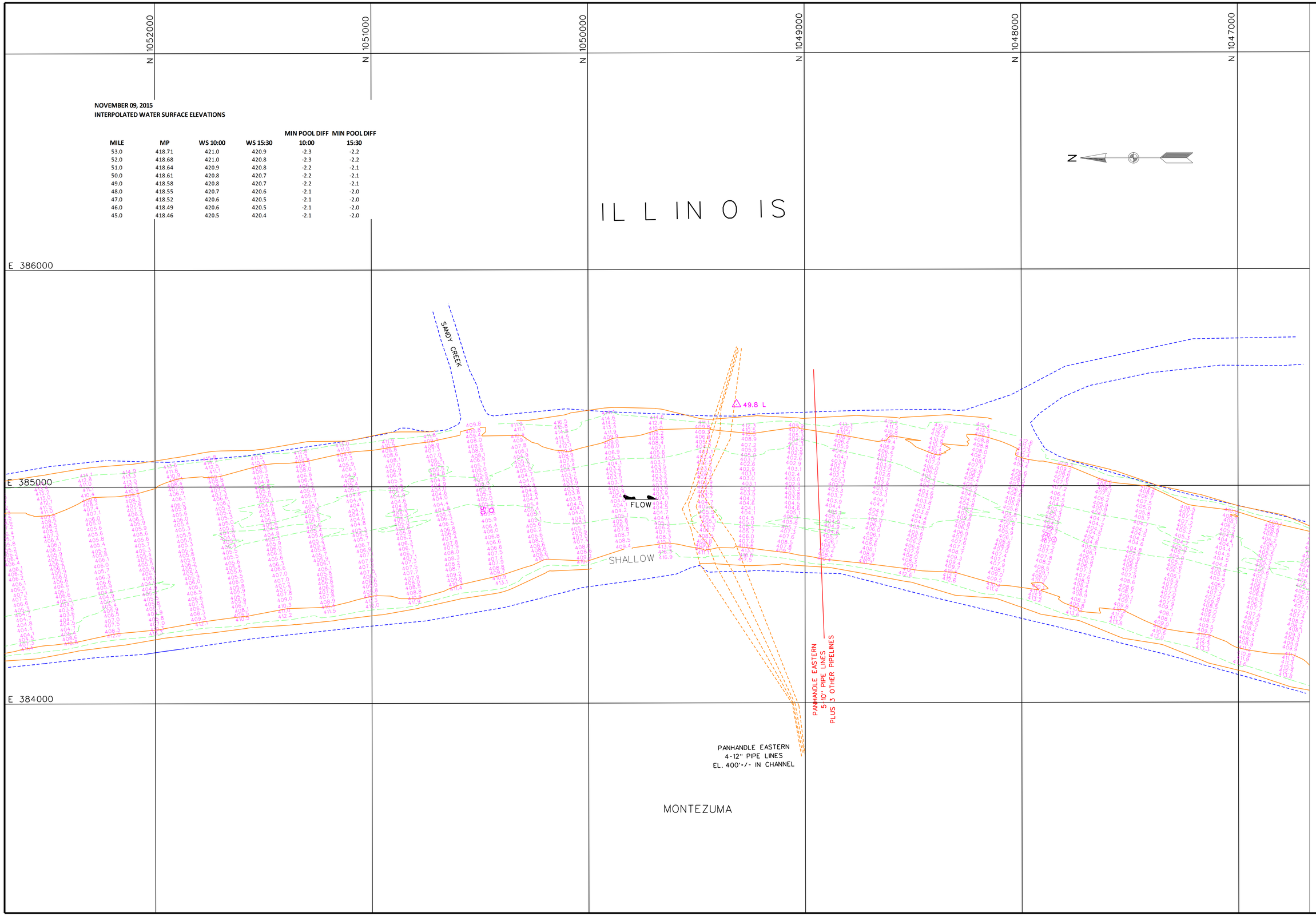
120 METERS 400 FEET
60 200
0 0
60 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A HYDROGRAPHIC SURVEY PERFORMED ON THE DATES STATED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
28

NOVEMBER 09, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 15:30	MIN POOL DIFF 10:00	MIN POOL DIFF 15:30
53.0	418.71	421.0	420.9	-2.3	-2.2
52.0	418.68	421.0	420.8	-2.3	-2.2
51.0	418.64	420.9	420.8	-2.2	-2.1
50.0	418.61	420.8	420.7	-2.2	-2.1
49.0	418.58	420.8	420.7	-2.2	-2.1
48.0	418.55	420.7	420.6	-2.1	-2.0
47.0	418.52	420.6	420.5	-2.1	-2.0
46.0	418.49	420.6	420.5	-2.1	-2.0
45.0	418.46	420.5	420.4	-2.1	-2.0



US Army Corps of Engineers
St. Louis District

GAGE RECORD

ZERO N.G.V.D.	WATER SURFACE	FLORENCE	PEARL
MILE		400.0	400.0
MIN. POOL		56.0	43.2
DATE		418.8	418.4
	09 NOV 2015	421.2 (10:00)	420.4 (10:00)
		421.1 (15:30)	420.3 (15:30)

Survey Date: Nov. 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004023f5_mp_sht29.dgn
Plot date: December 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

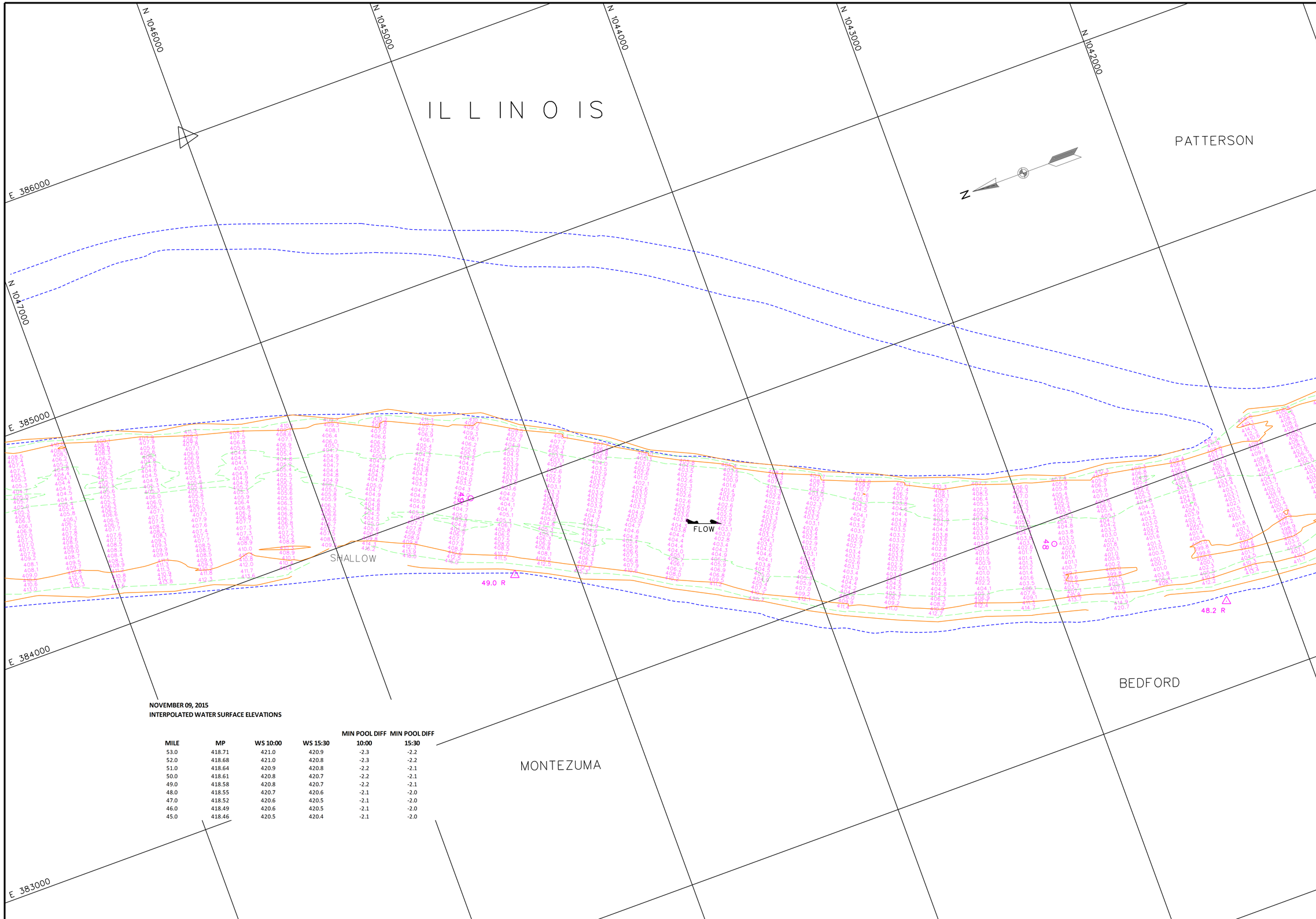
ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 200 400 FEET

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SITE SPECIFIC SURVEYS AND MAY NOT REPRESENT THE GENERAL CONDITIONS EXISTING AT THAT TIME AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER

29



NOVEMBER 09, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 15:30	MIN POOL DIFF 10:00	MIN POOL DIFF 15:30
53.0	418.71	421.0	420.9	-2.3	-2.2
52.0	418.68	421.0	420.8	-2.3	-2.2
51.0	418.64	420.9	420.8	-2.2	-2.1
50.0	418.61	420.8	420.7	-2.2	-2.1
49.0	418.58	420.8	420.7	-2.2	-2.1
48.0	418.55	420.7	420.6	-2.1	-2.0
47.0	418.52	420.6	420.5	-2.1	-2.0
46.0	418.49	420.6	420.5	-2.1	-2.0
45.0	418.46	420.5	420.4	-2.1	-2.0

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN POOL		418.8	418.4
DATE	09 NOV 2015	421.2 (10:00) 421.1 (15:30)	420.4 (10:00) 420.3 (15:30)

Survey Date: Nov. 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004021b_mp_sht30.dgn
Plot Date: December 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

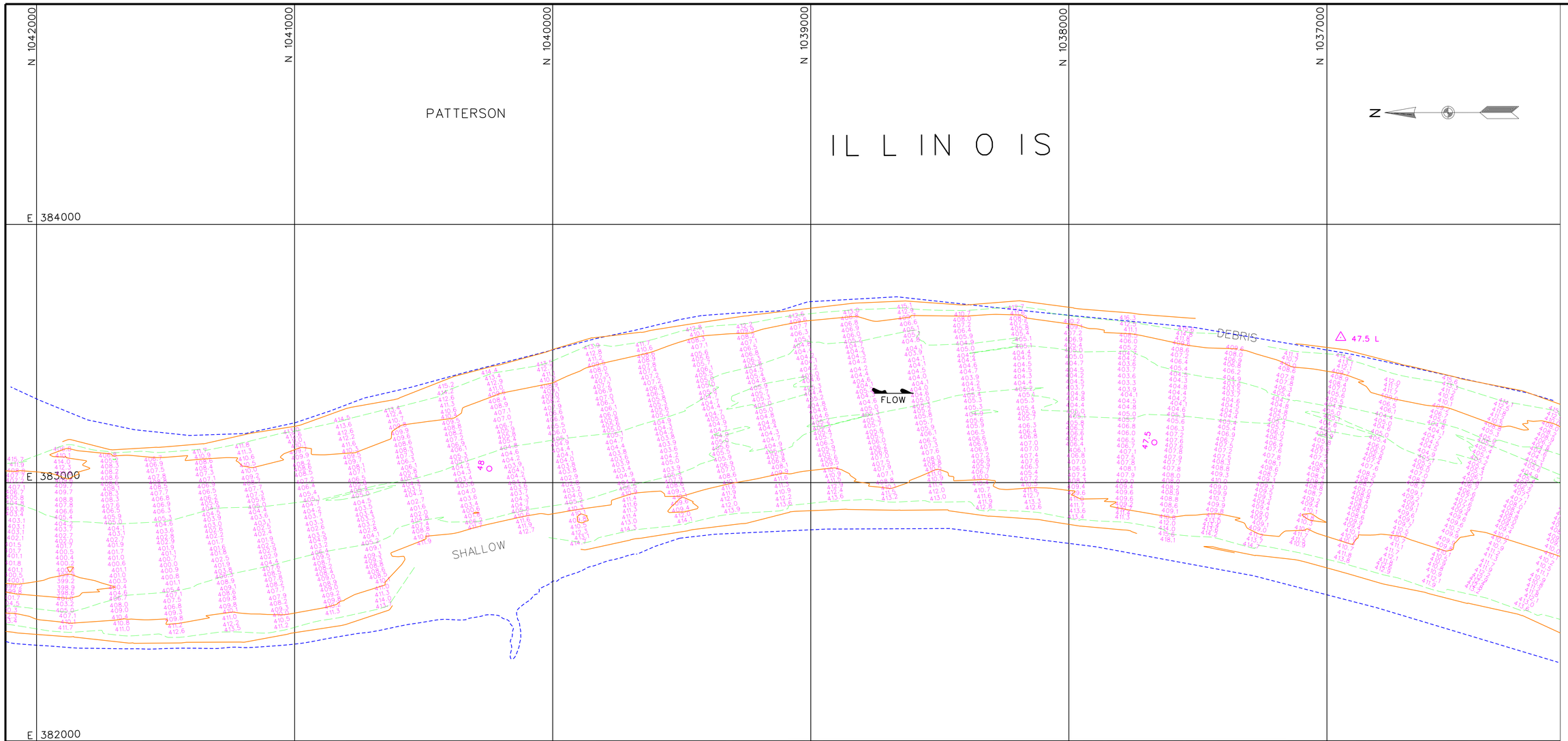
ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THE TIME INDICATED AND MAY NOT BE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER

30



NOVEMBER 09, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 15:30	MIN POOL DIFF 10:00	MIN POOL DIFF 15:30
53.0	418.71	421.0	420.9	-2.3	-2.2
52.0	418.68	421.0	420.8	-2.3	-2.2
51.0	418.64	420.9	420.8	-2.2	-2.1
50.0	418.61	420.8	420.7	-2.2	-2.1
49.0	418.58	420.8	420.7	-2.2	-2.1
48.0	418.55	420.7	420.6	-2.1	-2.0
47.0	418.52	420.6	420.5	-2.1	-2.0
46.0	418.49	420.6	420.5	-2.1	-2.0
45.0	418.46	420.5	420.4	-2.1	-2.0

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN POOL		418.8	418.4
DATE	09 NOV 2015	421.2 (10:00) 421.1 (15:30)	420.4 (10:00) 420.3 (15:30)

Survey Date: Nov. 02-23, 2015

Surveyed by: HANSON
Drawn by: JLK
Cad by: JCL
Reviewed by:
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
APPROVED:
Chief, Geospatial Branch
File name: 080_0004025_mp_sht31.dgn
Plot date: Dec. 9, 2015
Plot scale: 1" = 200'

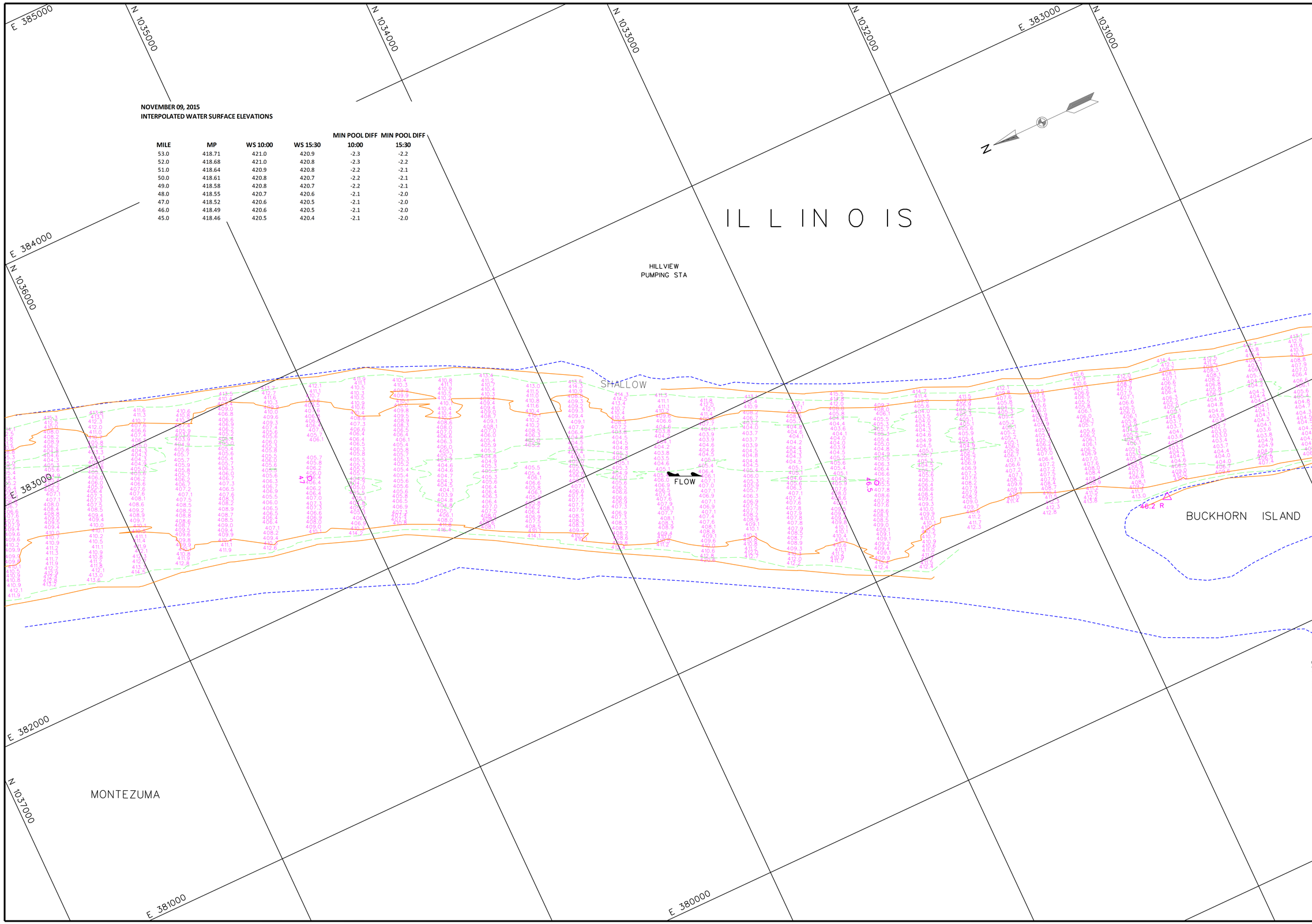
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 60 200
400 FEET 200 0 200 400

THE INFORMATION REPRESENTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND MAY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER
31



NOVEMBER 09, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 15:30	MIN POOL DIFF 10:00	MIN POOL DIFF 15:30
53.0	418.71	421.0	420.9	-2.3	-2.2
52.0	418.68	421.0	420.8	-2.3	-2.2
51.0	418.64	420.9	420.8	-2.2	-2.1
50.0	418.61	420.8	420.7	-2.2	-2.1
49.0	418.58	420.8	420.7	-2.2	-2.1
48.0	418.55	420.7	420.6	-2.1	-2.0
47.0	418.52	420.6	420.5	-2.1	-2.0
46.0	418.49	420.6	420.5	-2.1	-2.0
45.0	418.46	420.5	420.4	-2.1	-2.0

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN. POOL		418.8	418.4
DATE	09 NOV 2015	421.2 (10:00) 421.1 (15:30)	420.4 (10:00) 420.3 (15:30)

Survey Date: Nov. 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004025_mp_sht32.dgn
Plot date: Nov. 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED:
Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS
400 FEET
60 0 60 200
0 200

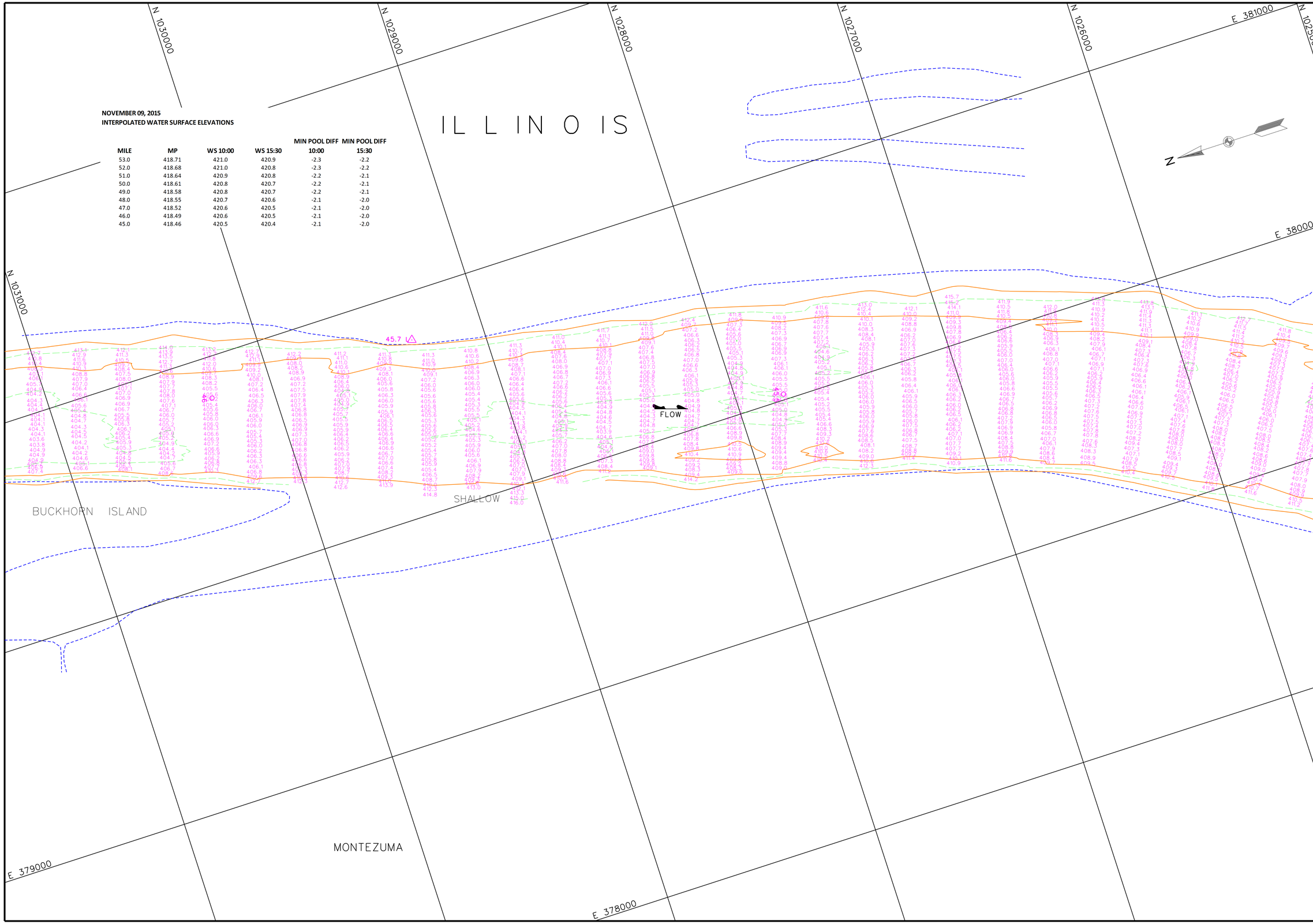
THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND MAY NOT BE ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER

32

NOVEMBER 09, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 15:30	MIN POOL DIFF 10:00	MIN POOL DIFF 15:30
53.0	418.71	421.0	420.9	-2.3	-2.2
52.0	418.68	421.0	420.8	-2.3	-2.2
51.0	418.64	420.9	420.8	-2.2	-2.1
50.0	418.61	420.8	420.7	-2.2	-2.1
49.0	418.58	420.8	420.7	-2.2	-2.1
48.0	418.55	420.7	420.6	-2.1	-2.0
47.0	418.52	420.6	420.5	-2.1	-2.0
46.0	418.49	420.6	420.5	-2.1	-2.0
45.0	418.46	420.5	420.4	-2.1	-2.0



US Army Corps of Engineers
St. Louis District

GAGE RECORD

WATER SURFACE	FLORENCE	PEARL
ZERO N.G.V.D.	400.0	400.0
MILE	56.0	43.2
MIN POOL	418.8	418.4
DATE	09 NOV 2015	421.2 (10:00) 421.1 (15:30)	420.4 (10:00) 420.3 (15:30)

Survey Date: Nov. 02-23, 2015

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
APPROVED:
Chief, Geospatial Branch

File name: 080_0004025_mp_sht33.dgn
Plot date: Thursday, May 19, 2016
Plot scale: 1" = 200'

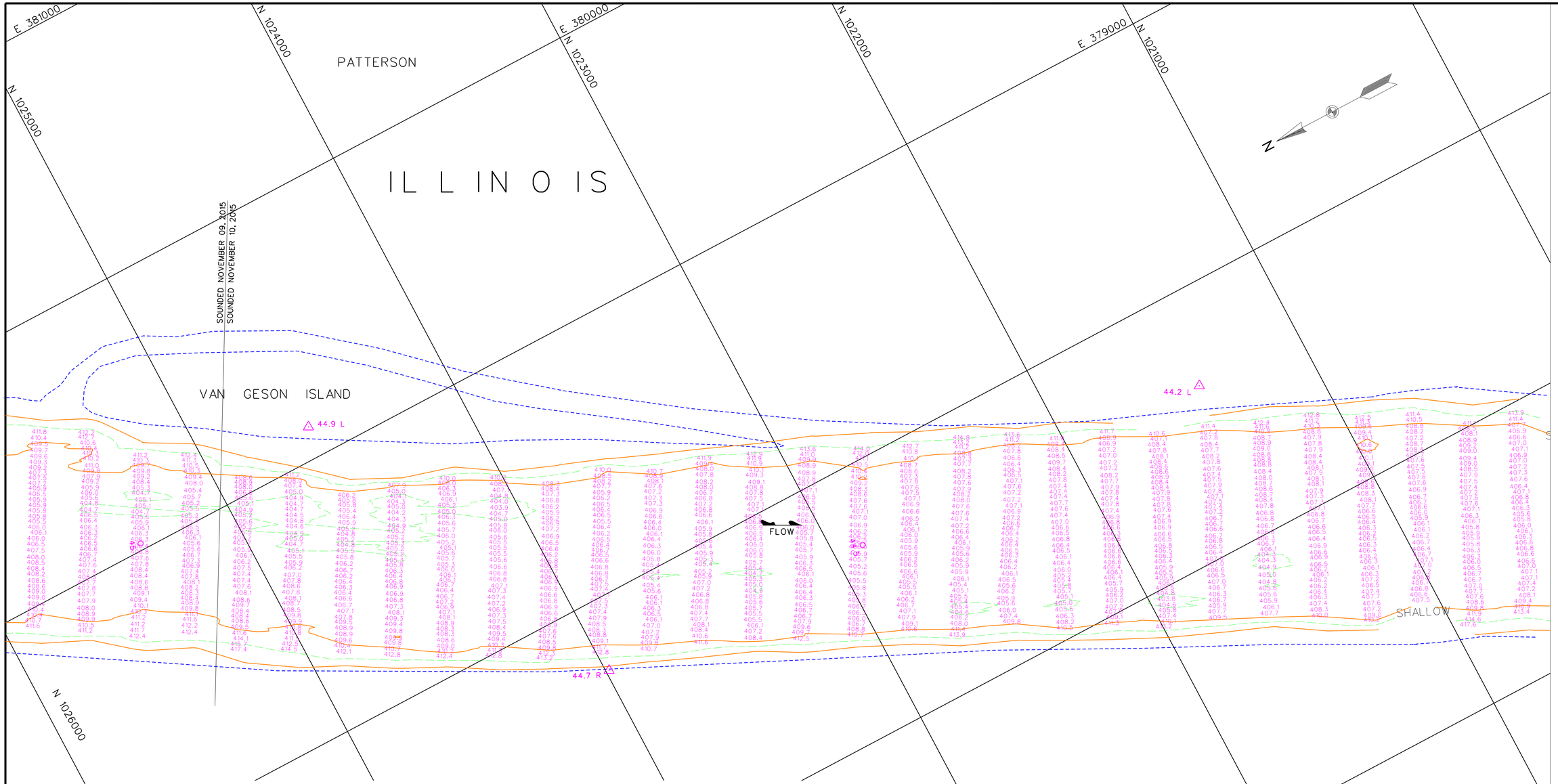
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 60 200
400 FEET 200 0 200 600

THE INFORMATION REPRESENTED ON THIS MAP REPRESENTS THE RESULTS OF A HYDROGRAPHIC SURVEY PERFORMED ON THE DATES SHOWN AND AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
33



NOVEMBER 09, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 10:00	WS 15:30	MIN POOL DIFF 10:00	MIN POOL DIFF 15:30
53.0	418.71	421.0	420.9	-2.3	-2.2
52.0	418.68	421.0	420.8	-2.3	-2.2
51.0	418.64	420.9	420.8	-2.2	-2.1
50.0	418.61	420.8	420.7	-2.2	-2.1
49.0	418.58	420.8	420.7	-2.2	-2.1
48.0	418.55	420.7	420.6	-2.1	-2.0
47.0	418.52	420.6	420.5	-2.1	-2.0
46.0	418.49	420.6	420.5	-2.1	-2.0
45.0	418.46	420.5	420.4	-2.1	-2.0

NOVEMBER 10, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MIN POOL DIFF 09:00	MIN POOL DIFF 16:00
45	418.46	420.4	420.5	-1.9	-2.0
44	418.43	420.3	420.4	-1.9	-2.0
43	418.40	420.3	420.4	-1.9	-2.0
42	418.39	420.3	420.4	-1.9	-2.0
41	418.38	420.3	420.4	-1.9	-2.0
40	418.37	420.2	420.3	-1.9	-2.0
39	418.36	420.2	420.3	-1.9	-2.0
38	418.35	420.2	420.3	-1.9	-2.0
37	418.34	420.2	420.3	-1.8	-1.9
36	418.33	420.2	420.3	-1.8	-1.9
35	418.32	420.1	420.2	-1.8	-1.9
34	418.32	420.1	420.2	-1.8	-1.9

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN POOL		418.8	418.4
DATE			
	09 NOV 2015	421.2 (10:00)	420.4 (10:00)
	10 NOV 2015	421.0 (09:00)	420.3 (09:00)

Survey Date: Nov. 02-23, 2015
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_0004025_mp_sht34.dgn
Plot date: Thursday, May 19, 2016
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Cktd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

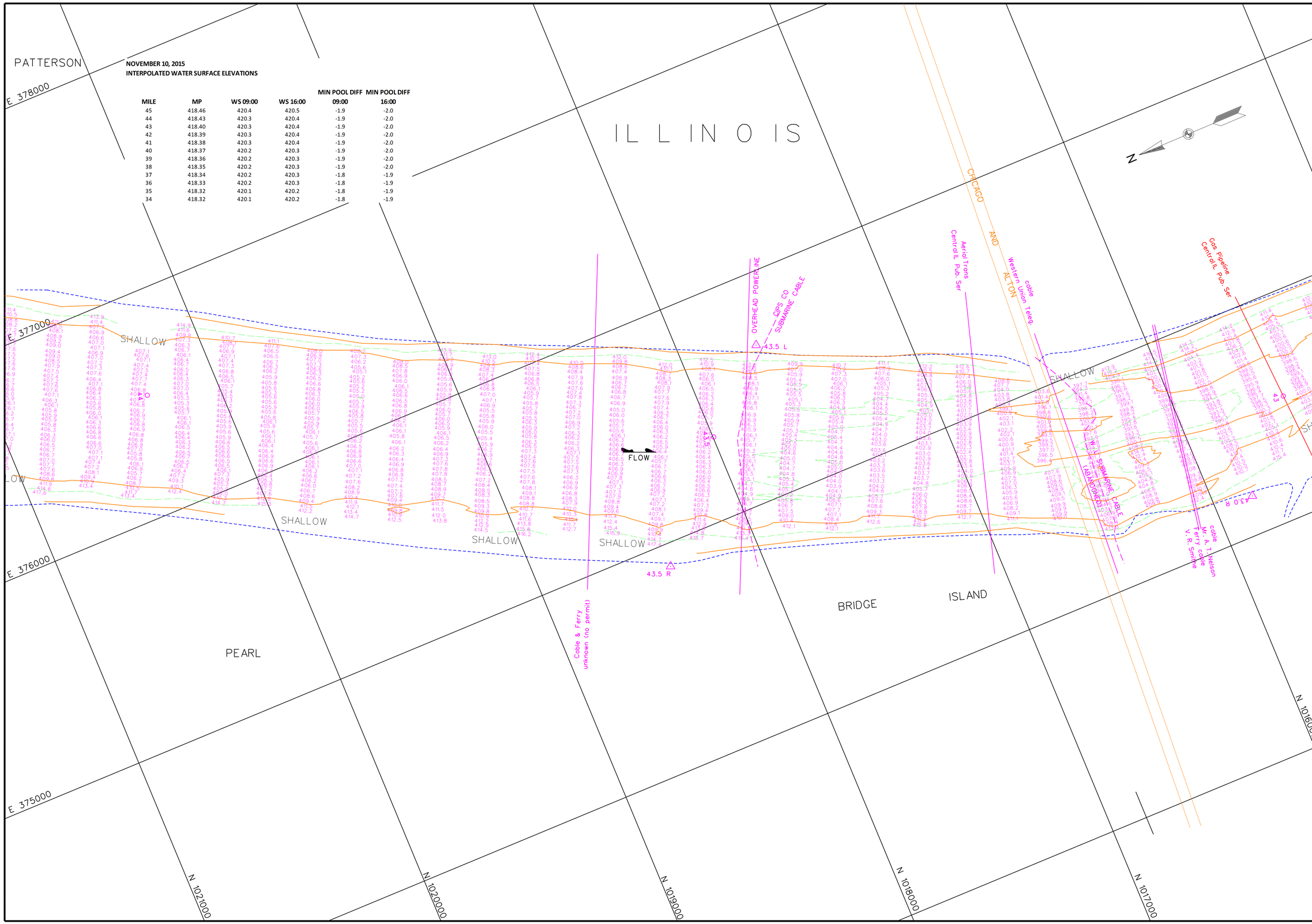
120 METERS 60 0 200 400 FEET

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THE TIME SHOWN AND MAY NOT BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
34

NOVEMBER 10, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MIN POOL DIFF 09:00	MIN POOL DIFF 16:00
45	418.46	420.4	420.5	-1.9	-2.0
44	418.43	420.3	420.4	-1.9	-2.0
43	418.40	420.3	420.4	-1.9	-2.0
42	418.39	420.3	420.4	-1.9	-2.0
41	418.38	420.3	420.4	-1.9	-2.0
40	418.37	420.2	420.3	-1.9	-2.0
39	418.36	420.2	420.3	-1.9	-2.0
38	418.35	420.2	420.3	-1.9	-2.0
37	418.34	420.2	420.3	-1.8	-1.9
36	418.33	420.2	420.3	-1.8	-1.9
35	418.32	420.1	420.2	-1.8	-1.9
34	418.32	420.1	420.2	-1.8	-1.9



US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	FLORENCE	PEARL
ZERO N.G.V.D.		400.0	400.0
MILE		56.0	43.2
MIN. POOL		418.8	418.4
DATE	10 NOV 2015	421.0 (09:00) 421.1 (16:00)	420.3 (09:00) 420.4 (16:00)

Survey Date: Nov. 02-23, 2015
Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_0004025_mp_ah35.dgn
Plot date: Nov. 9, 2015
Plot scale: 1" = 200'
APPROVED:
Chief, Geospatial Branch

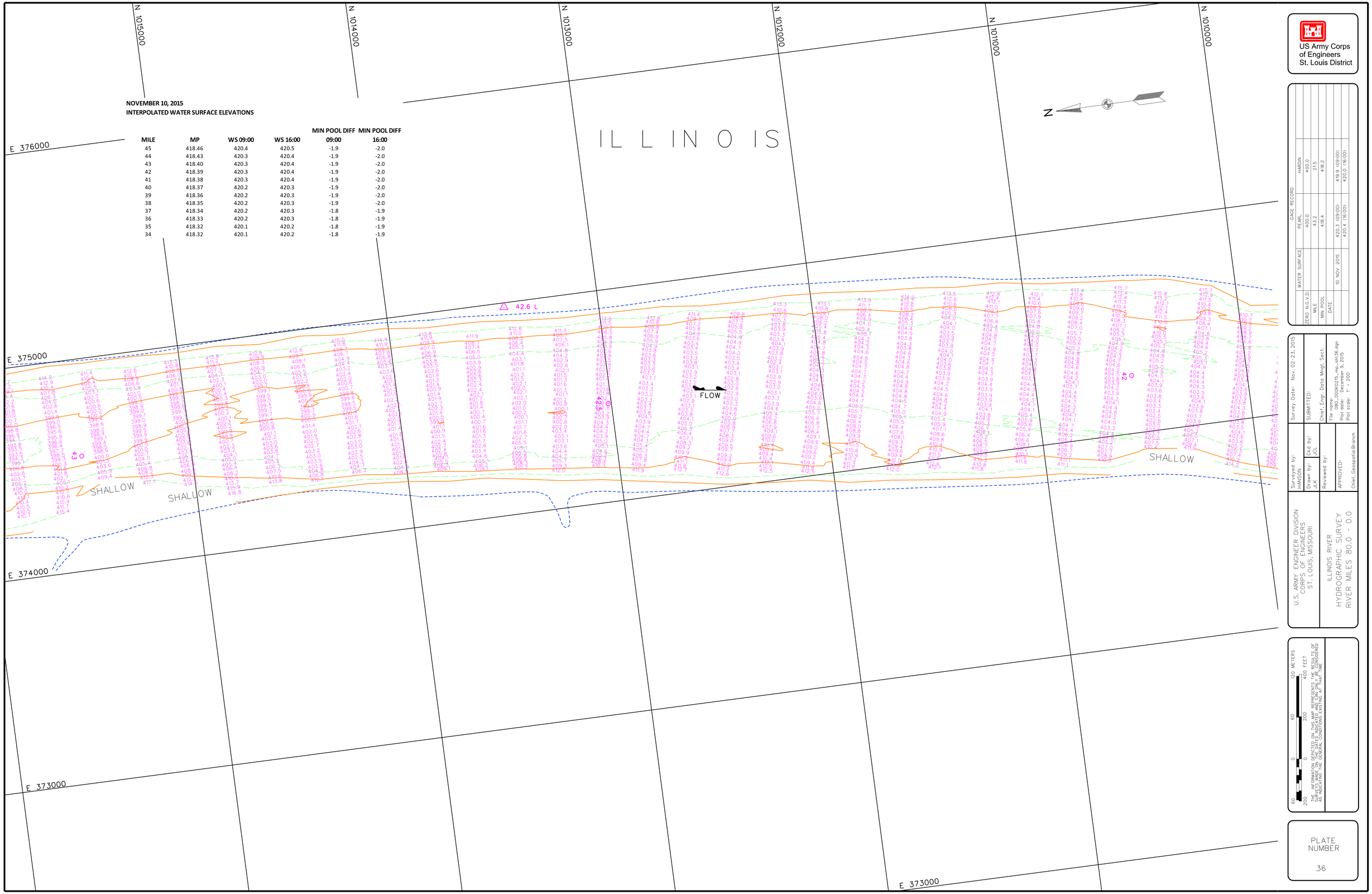
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THE TIME INDICATED AND MAY NOT BE RELIABLE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER
35



NOVEMBER 10, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MIN POOL DIFF 09:00	MIN POOL DIFF 16:00
45	418.46	420.4	420.5	-1.9	-2.0
44	418.43	420.3	420.4	-1.9	-2.0
43	418.40	420.3	420.4	-1.9	-2.0
42	418.39	420.3	420.4	-1.9	-2.0
41	418.38	420.3	420.4	-1.9	-2.0
40	418.37	420.2	420.3	-1.9	-2.0
39	418.36	420.2	420.3	-1.9	-2.0
38	418.35	420.2	420.3	-1.9	-2.0
37	418.34	420.2	420.3	-1.8	-1.9
36	418.33	420.2	420.3	-1.8	-1.9
35	418.32	420.1	420.2	-1.8	-1.9
34	418.32	420.1	420.2	-1.8	-1.9

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN. POOL		418.4	418.2
DATE	10 NOV 2015	420.3 (09:00) 420.4 (16:00)	419.9 (09:00) 420.0 (16:00)

Survey Date: Nov. 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004023b_mp_sht36.dgn
Plot date: Nov 24, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

60 200 0 60 0 200 120 METERS 400 FEET

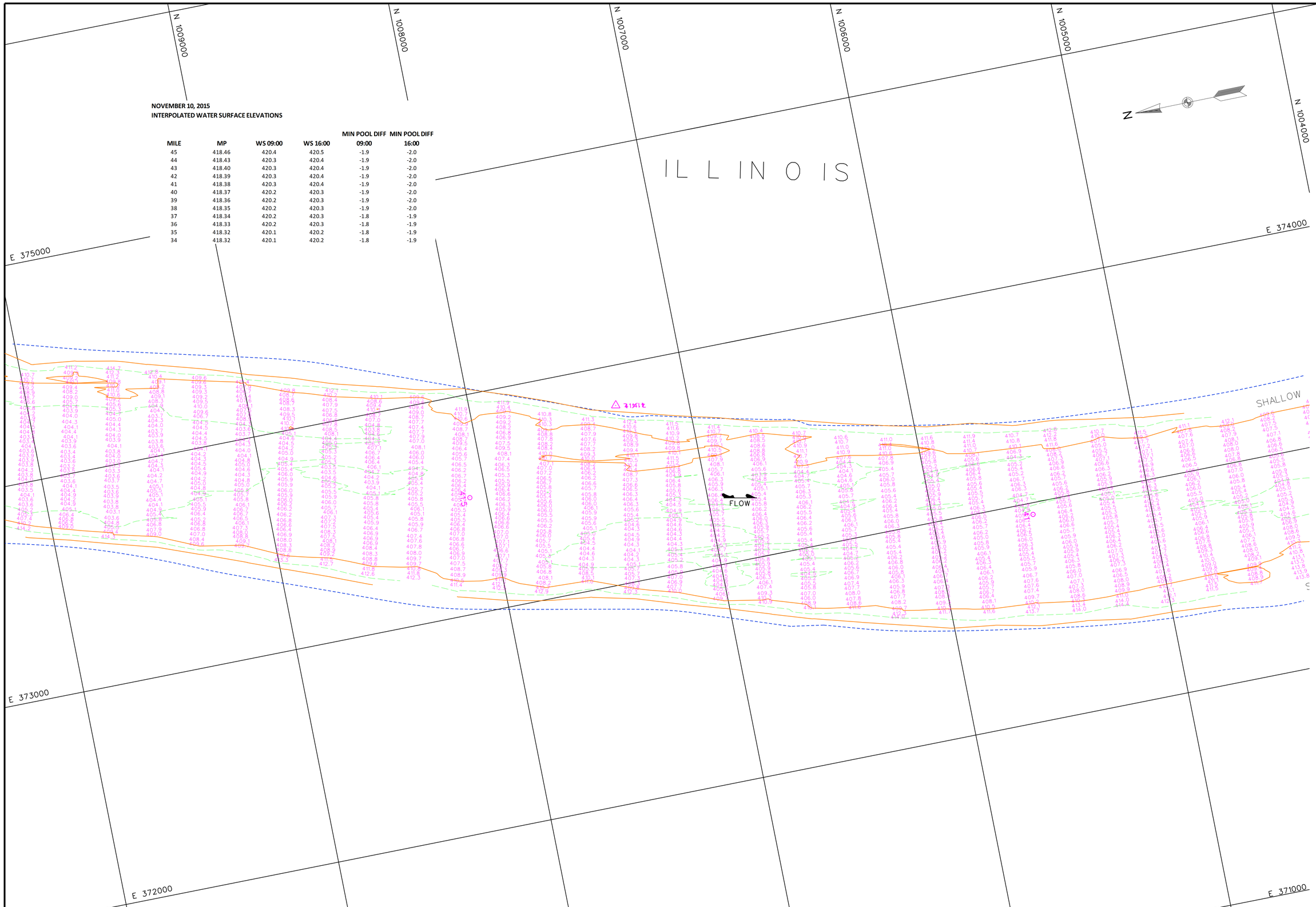
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A HYDROGRAPHIC SURVEY PERFORMED ON THE DATES SHOWN AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER

36

NOVEMBER 10, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MIN POOL DIFF 09:00	MIN POOL DIFF 16:00
45	418.46	420.4	420.5	-1.9	-2.0
44	418.43	420.3	420.4	-1.9	-2.0
43	418.40	420.3	420.4	-1.9	-2.0
42	418.39	420.3	420.4	-1.9	-2.0
41	418.38	420.3	420.4	-1.9	-2.0
40	418.37	420.2	420.3	-1.9	-2.0
39	418.36	420.2	420.3	-1.9	-2.0
38	418.35	420.2	420.3	-1.9	-2.0
37	418.34	420.2	420.3	-1.8	-1.9
36	418.33	420.2	420.3	-1.8	-1.9
35	418.32	420.1	420.2	-1.8	-1.9
34	418.32	420.1	420.2	-1.8	-1.9



US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN. POOL		418.4	418.2
DATE	10 NOV 2015	420.3 (09:00) 420.4 (16:00)	419.9 (09:00) 420.0 (16:00)

Survey Date: Nov. 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004025_mp_sh137.dgn
Plot date: September 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

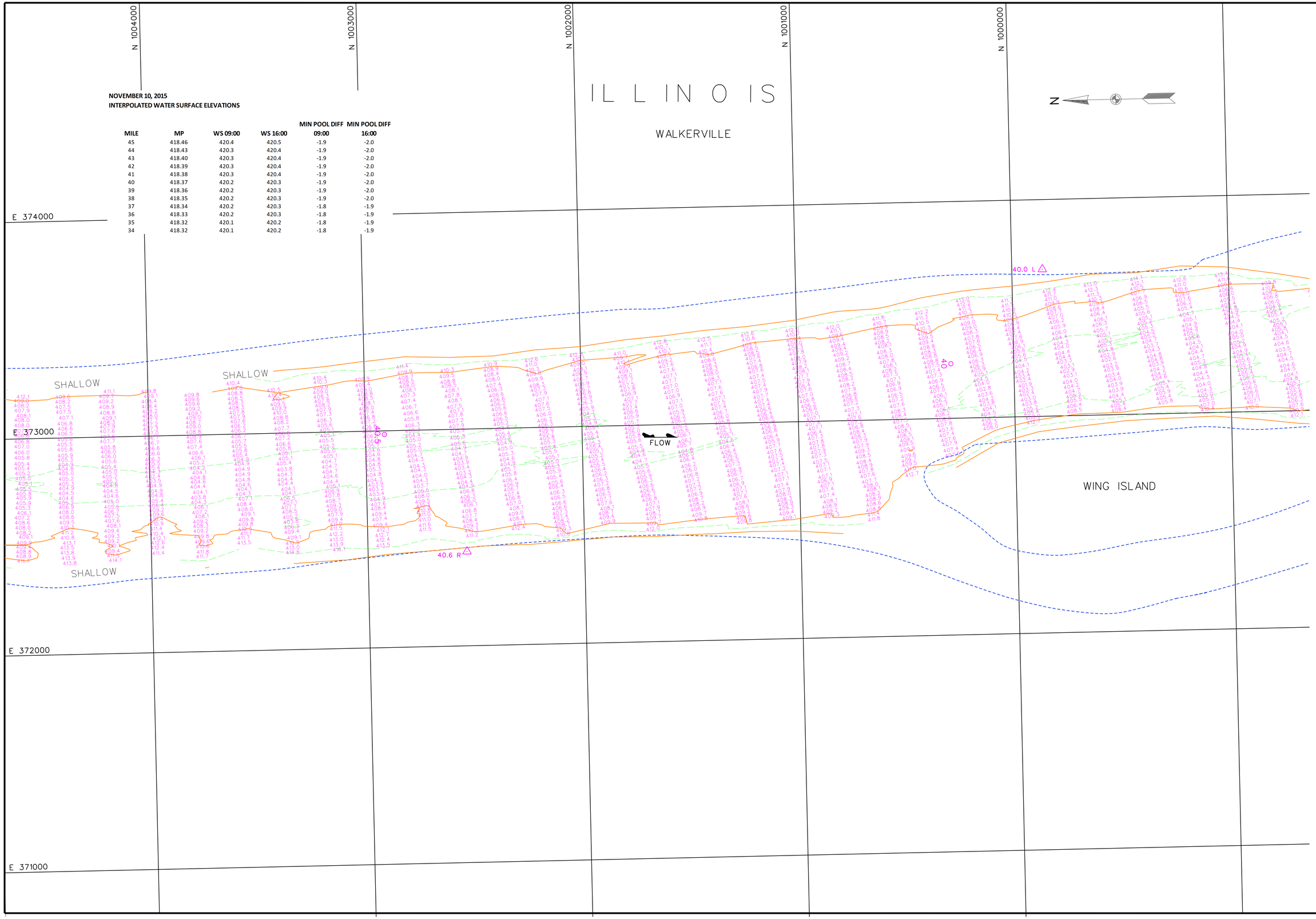
120 METERS 400 FEET
60 200
0 0
60 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY MADE BY THE ST. LOUIS DISTRICT, CORPS OF ENGINEERS AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
37

NOVEMBER 10, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MIN POOL DIFF 09:00	MIN POOL DIFF 16:00
45	418.46	420.4	420.5	-1.9	-2.0
44	418.43	420.3	420.4	-1.9	-2.0
43	418.40	420.3	420.4	-1.9	-2.0
42	418.39	420.3	420.4	-1.9	-2.0
41	418.38	420.3	420.4	-1.9	-2.0
40	418.37	420.2	420.3	-1.9	-2.0
39	418.36	420.2	420.3	-1.9	-2.0
38	418.35	420.2	420.3	-1.9	-2.0
37	418.34	420.2	420.3	-1.8	-1.9
36	418.33	420.2	420.3	-1.8	-1.9
35	418.32	420.1	420.2	-1.8	-1.9
34	418.32	420.1	420.2	-1.8	-1.9



US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN. POOL		418.4	418.2
DATE	10 NOV 2015	420.3 (09:00) 420.4 (16:00)	419.9 (09:00) 420.0 (16:00)

Survey Date: Nov. 02-23, 2015

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

File name: 080_0004023b_mp_sht38.dgn
Plot date: Nov. 24, 2015
Plot scale: 1" = 200'

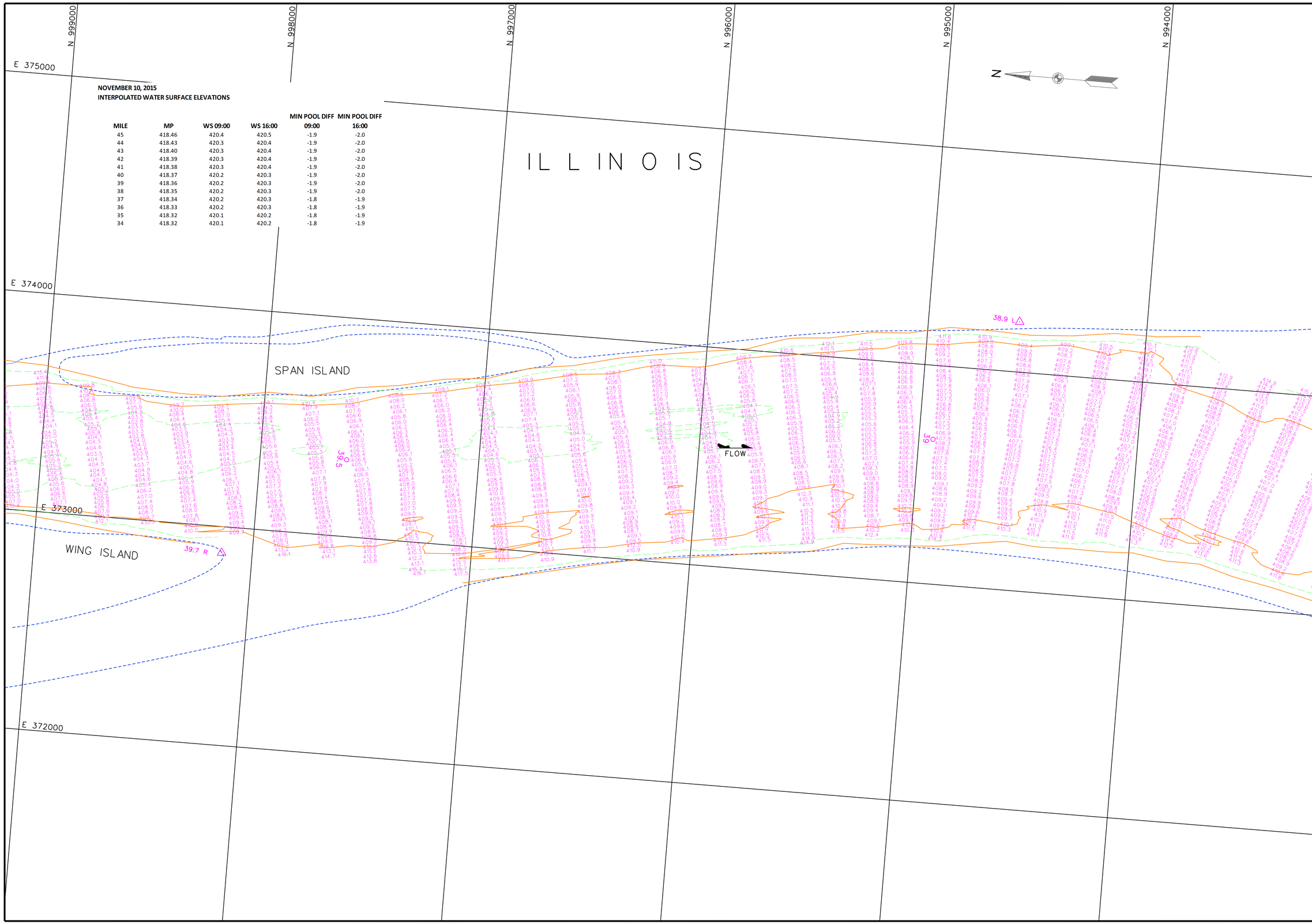
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 400 FEET
60 0 60 200 0 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE CONDITIONS OF THE RIVER AT THE TIME OF SURVEY. THE RESULTS ARE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER
38



NOVEMBER 10, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MIN POOL DIFF 09:00	MIN POOL DIFF 16:00
45	418.46	420.4	420.5	-1.9	-2.0
44	418.43	420.3	420.4	-1.9	-2.0
43	418.40	420.3	420.4	-1.9	-2.0
42	418.39	420.3	420.4	-1.9	-2.0
41	418.38	420.3	420.4	-1.9	-2.0
40	418.37	420.2	420.3	-1.9	-2.0
39	418.36	420.2	420.3	-1.9	-2.0
38	418.35	420.2	420.3	-1.9	-2.0
37	418.34	420.2	420.3	-1.8	-1.9
36	418.33	420.2	420.3	-1.8	-1.9
35	418.32	420.1	420.2	-1.8	-1.9
34	418.32	420.1	420.2	-1.8	-1.9

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN. POOL		418.4	418.2
DATE	10 NOV 2015	420.3 (09:00) 420.4 (16:00)	419.9 (09:00) 420.0 (16:00)

Survey Date: Nov. 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004023b_mp_sht39.dgn
Plot date: Sep 29, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

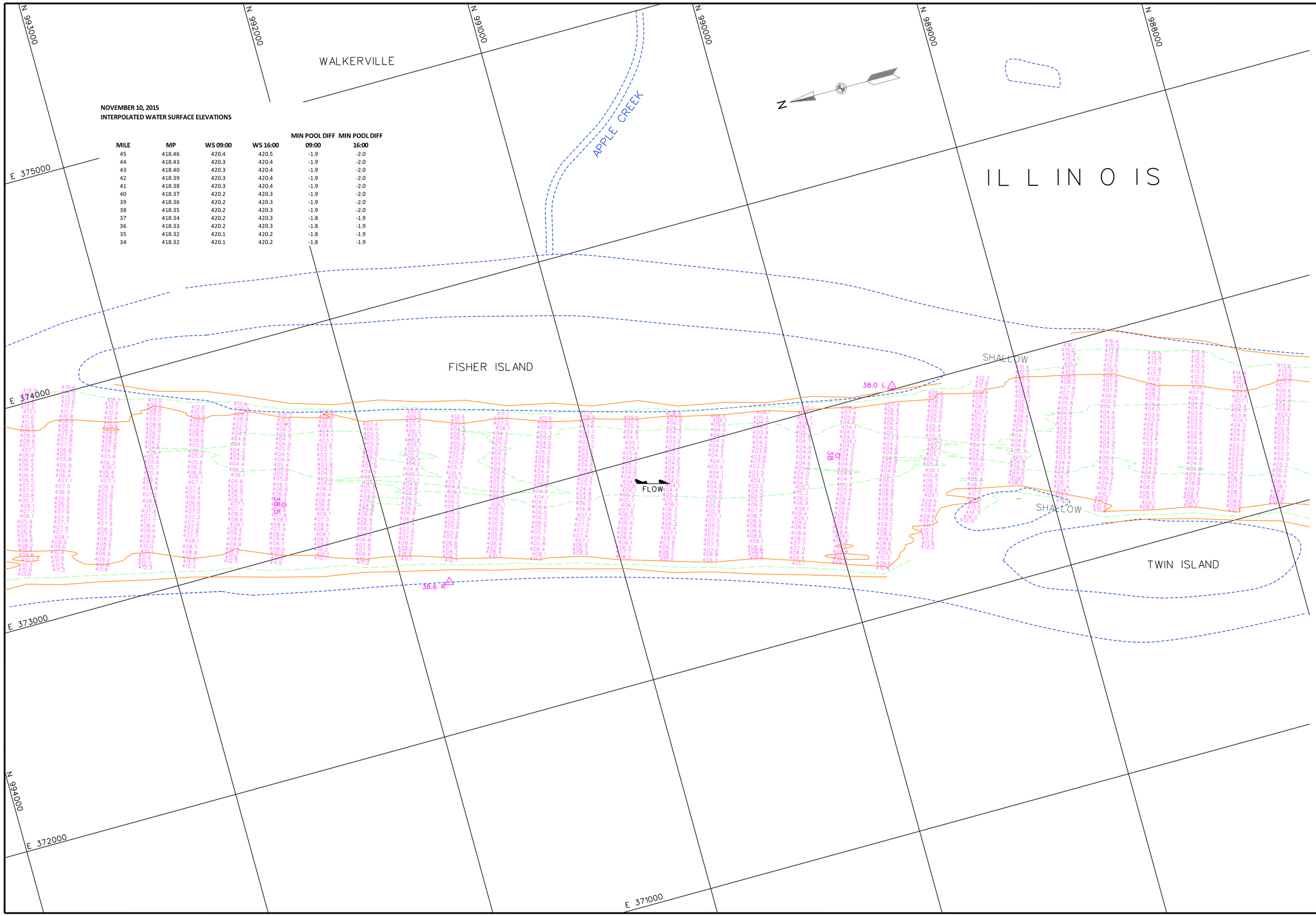
ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 400 FEET
60 200
0 0
60 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE BY THE ST. LOUIS DISTRICT, CORPS OF ENGINEERS AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER

39



NOVEMBER 10, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MIN POOL DIFF 09:00	MIN POOL DIFF 16:00
45	418.46	420.4	420.5	-1.9	-2.0
44	418.43	420.3	420.4	-1.9	-2.0
43	418.40	420.3	420.4	-1.9	-2.0
42	418.39	420.3	420.4	-1.9	-2.0
41	418.38	420.3	420.4	-1.9	-2.0
40	418.37	420.2	420.3	-1.9	-2.0
39	418.36	420.2	420.3	-1.9	-2.0
38	418.35	420.2	420.3	-1.9	-2.0
37	418.34	420.2	420.3	-1.8	-1.9
36	418.33	420.2	420.3	-1.8	-1.9
35	418.32	420.1	420.2	-1.8	-1.9
34	418.32	420.1	420.2	-1.8	-1.9

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN. POOL		418.4	418.2
DATE	10 NOV 2015	420.3 (09:00) 420.4 (16:00)	419.9 (09:00) 420.0 (16:00)

Survey Date: Nov. 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004023b_mp_sh140.dgn
Plot date: Sep 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 60 200
400 FEET 200 0

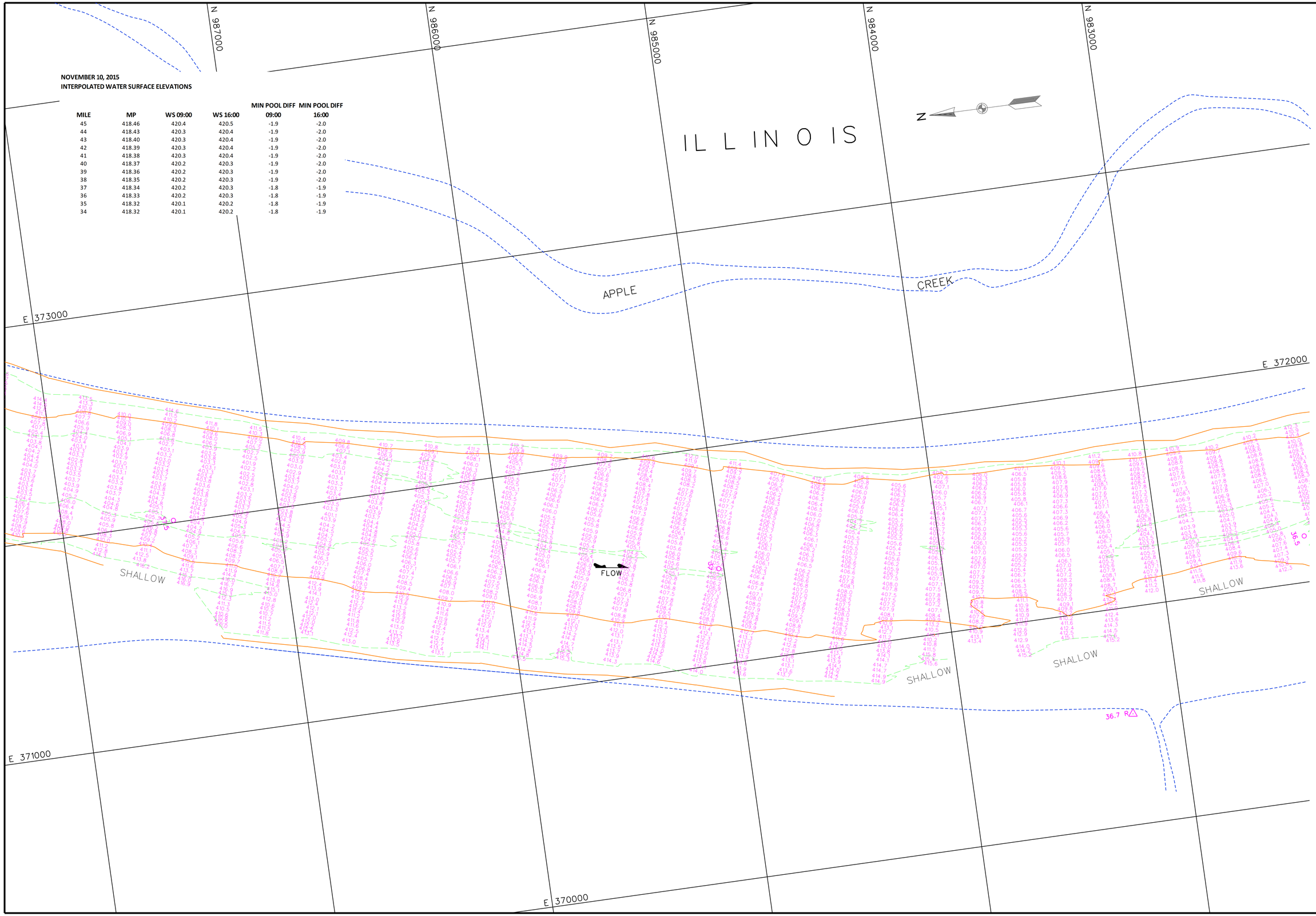
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE BY THE ST. LOUIS DISTRICT, CORPS OF ENGINEERS AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER

40

NOVEMBER 10, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MIN POOL DIFF 09:00	MIN POOL DIFF 16:00
45	418.46	420.4	420.5	-1.9	-2.0
44	418.43	420.3	420.4	-1.9	-2.0
43	418.40	420.3	420.4	-1.9	-2.0
42	418.39	420.3	420.4	-1.9	-2.0
41	418.38	420.3	420.4	-1.9	-2.0
40	418.37	420.2	420.3	-1.9	-2.0
39	418.36	420.2	420.3	-1.9	-2.0
38	418.35	420.2	420.3	-1.9	-2.0
37	418.34	420.2	420.3	-1.8	-1.9
36	418.33	420.2	420.3	-1.8	-1.9
35	418.32	420.1	420.2	-1.8	-1.9
34	418.32	420.1	420.2	-1.8	-1.9



US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN. POOL		418.4	418.2
DATE	10 NOV 2015	420.3 (09:00) 420.4 (16:00)	419.9 (09:00) 420.0 (16:00)

Survey Date: Nov. 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004025_mp_sh41.dgn
Plot date: December 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

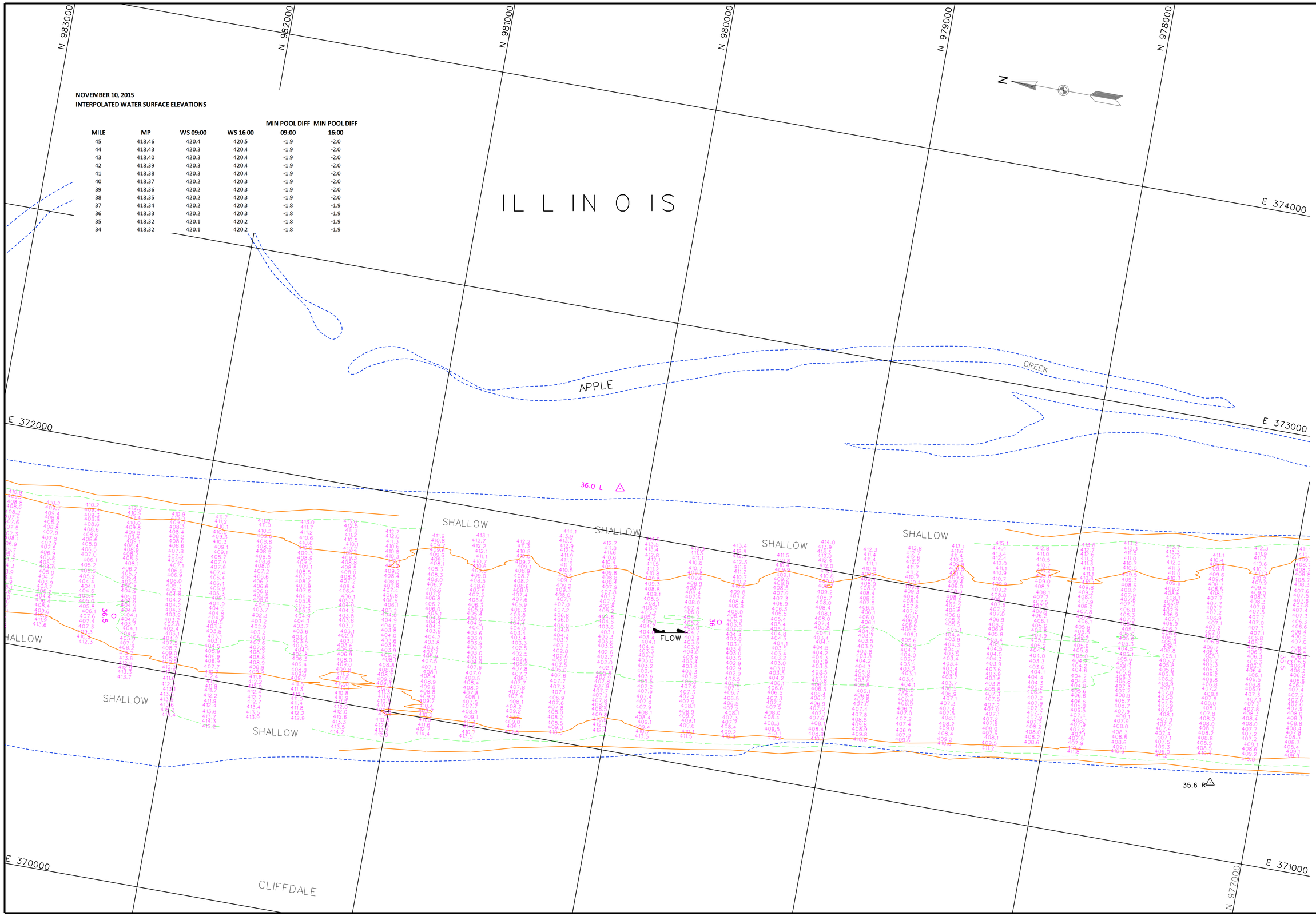
ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 0 60 200
400 FEET 0 200 60

THE INFORMATION REPRESENTED ON THIS MAP REPRESENTS THE RESULTS OF A HYDROGRAPHIC SURVEY PERFORMED ON THE DATES SHOWN AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER

41



NOVEMBER 10, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MIN POOL DIFF 09:00	MIN POOL DIFF 16:00
45	418.46	420.4	420.5	-1.9	-2.0
44	418.43	420.3	420.4	-1.9	-2.0
43	418.40	420.3	420.4	-1.9	-2.0
42	418.39	420.3	420.4	-1.9	-2.0
41	418.38	420.3	420.4	-1.9	-2.0
40	418.37	420.2	420.3	-1.9	-2.0
39	418.36	420.2	420.3	-1.9	-2.0
38	418.35	420.2	420.3	-1.9	-2.0
37	418.34	420.2	420.3	-1.8	-1.9
36	418.33	420.2	420.3	-1.8	-1.9
35	418.32	420.1	420.2	-1.8	-1.9
34	418.32	420.1	420.2	-1.8	-1.9

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN. POOL		418.4	418.2
DATE	10 NOV 2015	420.3 (09:00) 420.4 (16:00)	419.9 (09:00) 420.0 (16:00)

Survey Date: Nov. 02-23, 2015

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_0004021b_mp_sht42.dgn
Plot date: December 9, 2015
Plot scale: 1" = 200'
APPROVED:
Chief, Geospatial Branch

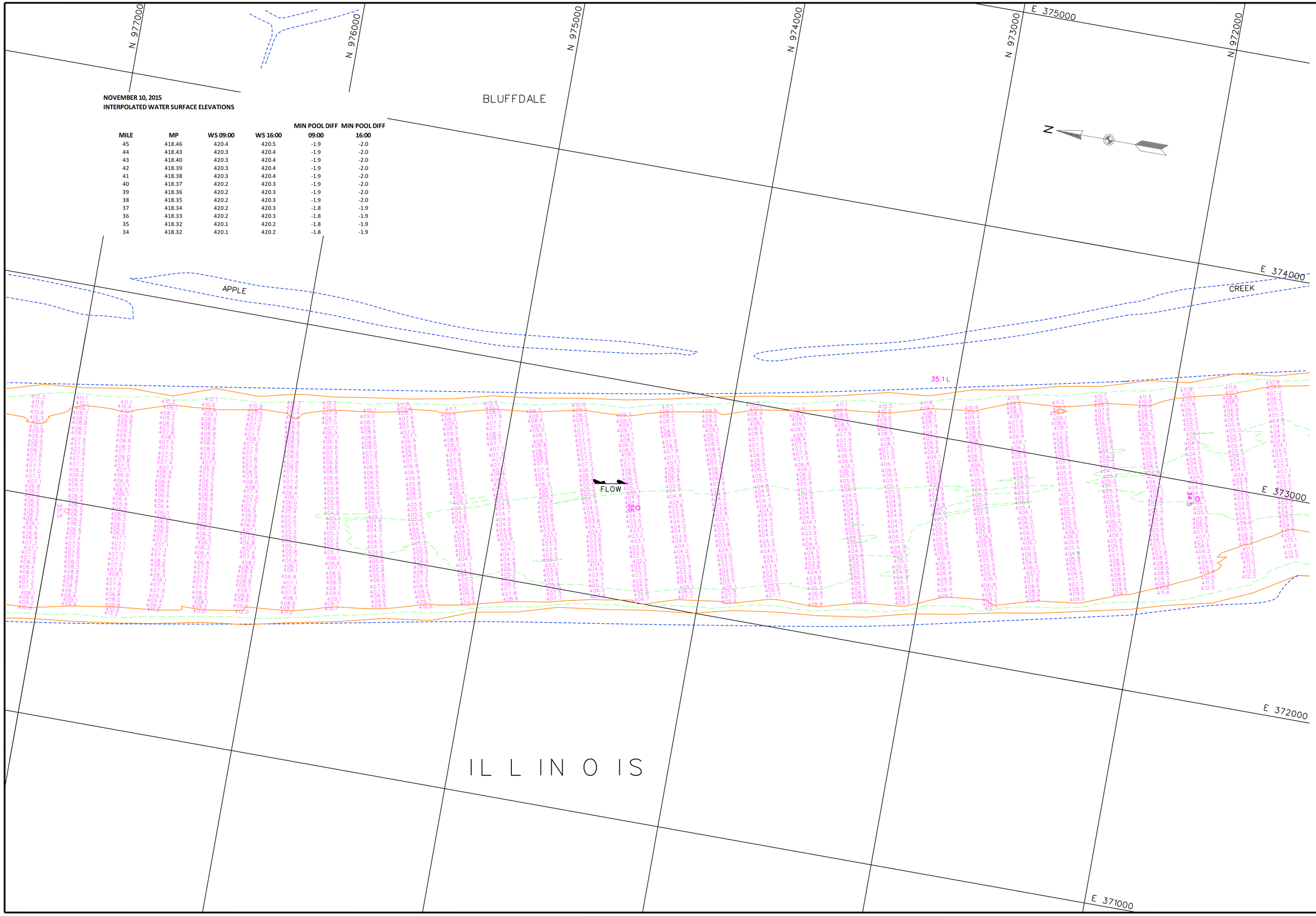
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 400 FEET
60 200 0 0 60 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THE TIME SHOWN AND MAY NOT BE ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
42



NOVEMBER 10, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MIN POOL DIFF 09:00	MIN POOL DIFF 16:00
45	418.46	420.4	420.5	-1.9	-2.0
44	418.43	420.3	420.4	-1.9	-2.0
43	418.40	420.3	420.4	-1.9	-2.0
42	418.39	420.3	420.4	-1.9	-2.0
41	418.38	420.3	420.4	-1.9	-2.0
40	418.37	420.2	420.3	-1.9	-2.0
39	418.36	420.2	420.3	-1.9	-2.0
38	418.35	420.2	420.3	-1.9	-2.0
37	418.34	420.2	420.3	-1.8	-1.9
36	418.33	420.2	420.3	-1.8	-1.9
35	418.32	420.1	420.2	-1.8	-1.9
34	418.32	420.1	420.2	-1.8	-1.9

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN. POOL		418.4	418.2
DATE	10 NOV 2015	420.3 (09:00) 420.4 (16:00)	419.9 (09:00) 420.0 (16:00)

Survey Date: Nov. 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004023b_mp_sht43.dgn
Plot date: Dec. 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

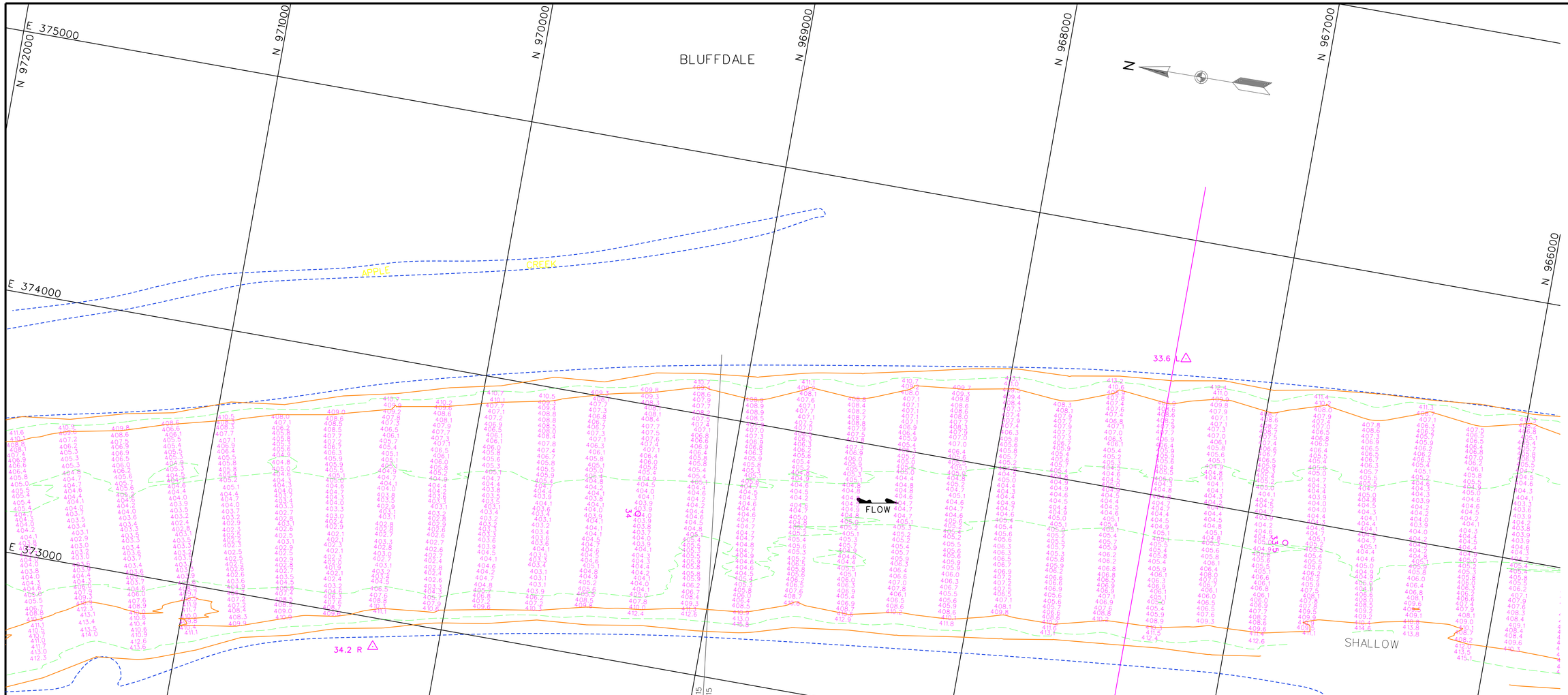
ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 0 60
400 FEET 0 200

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SPECIFIC DATA COLLECTED ON THE DATES SHOWN AND AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER

43



NOVEMBER 10, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 16:00	MIN POOL DIFF 09:00	MIN POOL DIFF 16:00
45	418.46	420.4	420.5	-1.9	-2.0
44	418.43	420.3	420.4	-1.9	-2.0
43	418.40	420.3	420.4	-1.9	-2.0
42	418.39	420.3	420.4	-1.9	-2.0
41	418.38	420.3	420.4	-1.9	-2.0
40	418.37	420.2	420.3	-1.9	-2.0
39	418.36	420.2	420.3	-1.9	-2.0
38	418.35	420.2	420.3	-1.9	-2.0
37	418.34	420.2	420.3	-1.8	-1.9
36	418.33	420.2	420.3	-1.8	-1.9
35	418.32	420.1	420.2	-1.8	-1.9
34	418.32	420.1	420.2	-1.8	-1.9

NOVEMBER 16, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MIN POOL DIFF 09:00	MIN POOL DIFF 17:00
34.0	418.32	420.2	420.3	-1.9	-2.0
33.0	418.31	420.2	420.3	-1.9	-2.0
32.0	418.30	420.2	420.3	-1.9	-2.0
31.0	418.29	420.2	420.3	-1.9	-2.0
30.0	418.28	420.2	420.3	-1.9	-2.0
29.0	418.27	420.1	420.3	-1.9	-2.0
28.0	418.26	420.1	420.2	-1.9	-2.0
27.0	418.25	420.1	420.2	-1.9	-2.0
26.0	418.24	420.1	420.2	-1.8	-2.0
25.0	418.23	420.1	420.2	-1.8	-1.9
24.0	418.22	420.0	420.2	-1.8	-1.9
23.0	418.21	420.0	420.1	-1.8	-1.9

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN. POOL		418.4	418.2
DATE			
	10 NOV 2015	420.3 (09:00)	419.9 (09:00)
	16 NOV 2015	420.4 (09:00)	420.0 (09:00)

Survey Date: Nov. 02-23, 2015
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_0004025_mp_sht44.dgn
Plot date: Nov 19, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

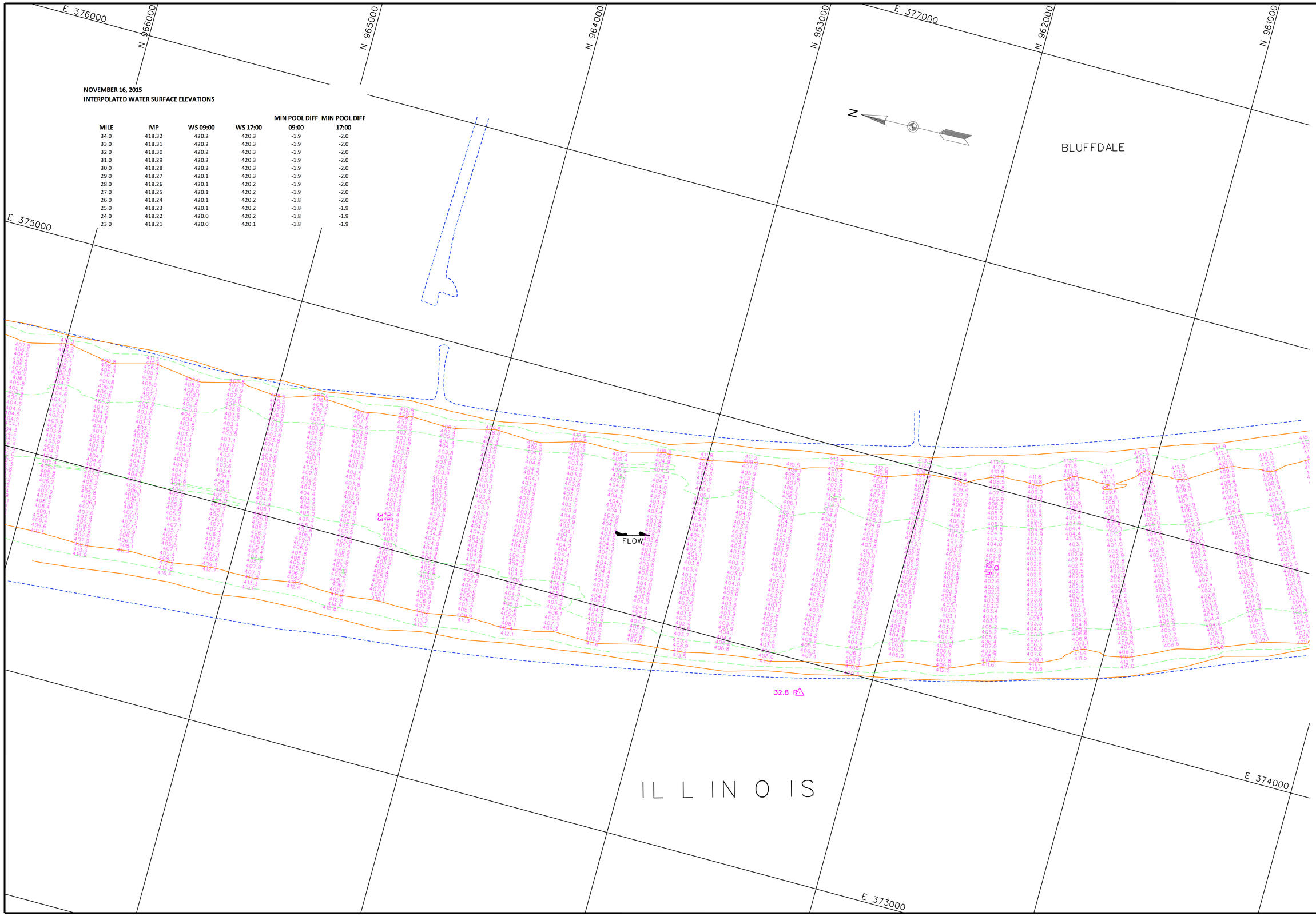
120 METERS 60 0 60
400 FEET 200 0 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND ONLY INDICATES THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER
44

NOVEMBER 16, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MIN POOL DIFF 09:00	MIN POOL DIFF 17:00
34.0	418.32	420.2	420.3	-1.9	-2.0
33.0	418.31	420.2	420.3	-1.9	-2.0
32.0	418.30	420.2	420.3	-1.9	-2.0
31.0	418.29	420.2	420.3	-1.9	-2.0
30.0	418.28	420.2	420.3	-1.9	-2.0
29.0	418.27	420.1	420.3	-1.9	-2.0
28.0	418.26	420.1	420.2	-1.9	-2.0
27.0	418.25	420.1	420.2	-1.9	-2.0
26.0	418.24	420.1	420.2	-1.8	-2.0
25.0	418.23	420.1	420.2	-1.8	-1.9
24.0	418.22	420.0	420.2	-1.8	-1.9
23.0	418.21	420.0	420.1	-1.8	-1.9



US Army Corps of Engineers
St. Louis District

GAGE RECORD

WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.	400.0	400.0
MILE	43.2	21.5
MIN. POOL	418.4	418.2
DATE	16 NOV 2015	420.4 (09:00) 420.5 (17:00)	420.0 (09:00) 420.1 (17:00)

Survey Date: Nov. 02-23, 2015
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_0004025_mp_sh145.dgn
Plot date: Dec. 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED:
Chief, Geospatial Branch

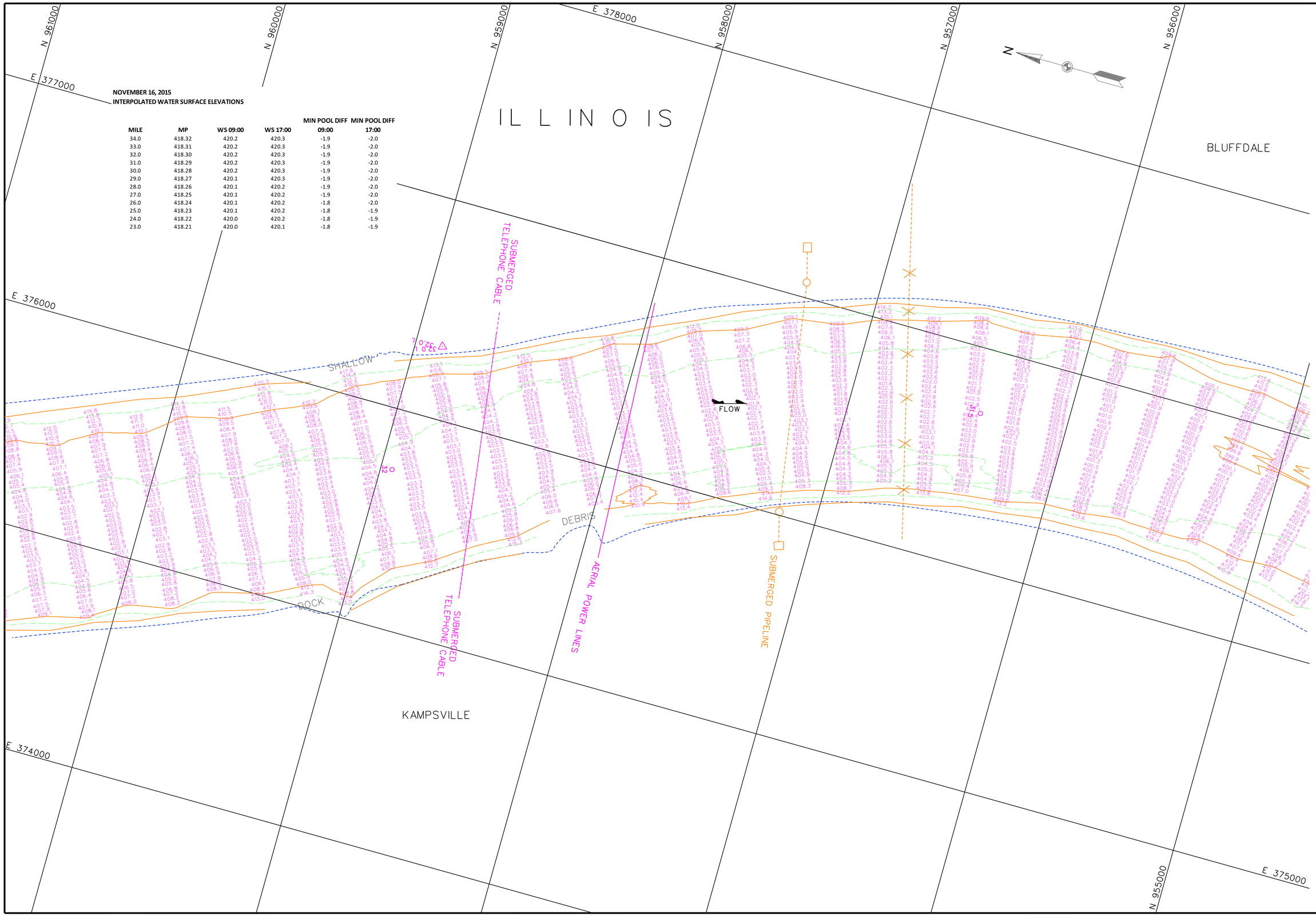
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 200 400 FEET

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND IS ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
45



NOVEMBER 16, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MIN POOL DIFF 09:00	MIN POOL DIFF 17:00
34.0	418.32	420.2	420.3	-1.9	-2.0
33.0	418.31	420.2	420.3	-1.9	-2.0
32.0	418.30	420.2	420.3	-1.9	-2.0
31.0	418.29	420.2	420.3	-1.9	-2.0
30.0	418.28	420.2	420.3	-1.9	-2.0
29.0	418.27	420.1	420.3	-1.9	-2.0
28.0	418.26	420.1	420.2	-1.9	-2.0
27.0	418.25	420.1	420.2	-1.9	-2.0
26.0	418.24	420.1	420.2	-1.8	-2.0
25.0	418.23	420.1	420.2	-1.8	-1.9
24.0	418.22	420.0	420.2	-1.8	-1.9
23.0	418.21	420.0	420.1	-1.8	-1.9

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN. POOL		418.4	418.2
DATE	16 NOV 2015	420.4 (09:00) 420.5 (17:00)	420.0 (09:00) 420.1 (17:00)

Survey Date: Nov. 02-23, 2015

Surveyed by: HANSON
Drawn by: JLK
Checked by: JCL
Reviewed by:
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_0004023b_mp_sht46.dgn
Plot date: Dec. 9, 2015
Plot scale: 1" = 200'
APPROVED:
Chief, Geospatial Branch

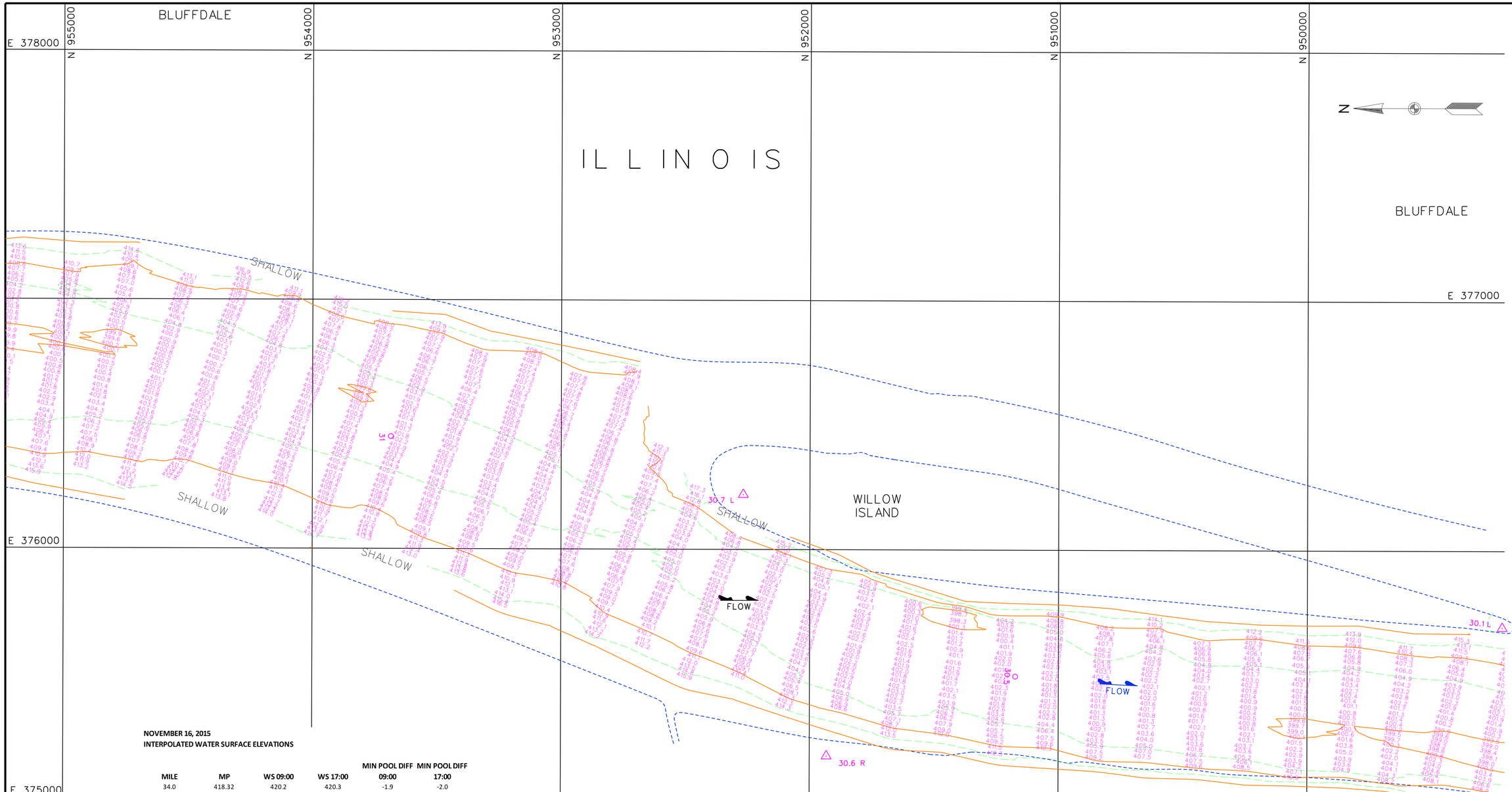
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS
400 FEET
60 0 60 200 0 200

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE POSSIBLE OR ESTIMATED CONDITIONS EXISTING AT THE TIME OF SURVEY AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
46



NOVEMBER 16, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MIN POOL DIFF 09:00	MIN POOL DIFF 17:00
34.0	418.32	420.2	420.3	-1.9	-2.0
33.0	418.31	420.2	420.3	-1.9	-2.0
32.0	418.30	420.2	420.3	-1.9	-2.0
31.0	418.29	420.2	420.3	-1.9	-2.0
30.0	418.28	420.2	420.3	-1.9	-2.0
29.0	418.27	420.1	420.3	-1.9	-2.0
28.0	418.26	420.1	420.2	-1.9	-2.0
27.0	418.25	420.1	420.2	-1.9	-2.0
26.0	418.24	420.1	420.2	-1.8	-2.0
25.0	418.23	420.1	420.2	-1.8	-1.9
24.0	418.22	420.0	420.2	-1.8	-1.9
23.0	418.21	420.0	420.1	-1.8	-1.9

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN. POOL		418.4	418.2
DATE	16 NOV 2015	420.4 (09:00) 420.5 (17:00)	420.0 (09:00) 420.1(17:00)

Survey Date: Nov. 02-23, 2015
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_0004025_mp_sht47.dgn
Plot date: December 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED:
Chief, Geospatial Branch

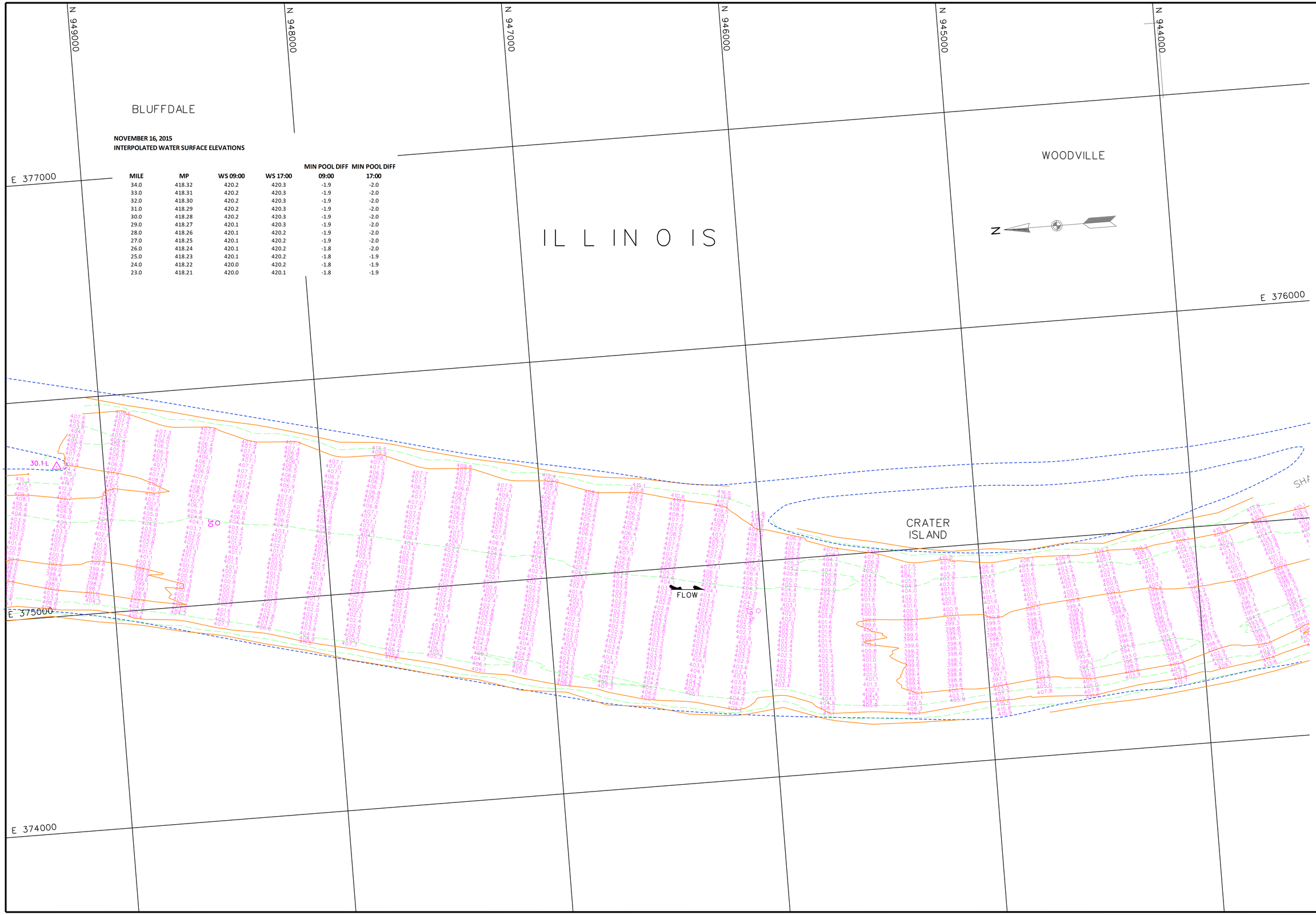
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 60
400 FEET 200 0 200

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE INDICATED. THE RESULTS ARE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
47



NOVEMBER 16, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MIN POOL DIFF 09:00	MIN POOL DIFF 17:00
34.0	418.32	420.2	420.3	-1.9	-2.0
33.0	418.31	420.2	420.3	-1.9	-2.0
32.0	418.30	420.2	420.3	-1.9	-2.0
31.0	418.29	420.2	420.3	-1.9	-2.0
30.0	418.28	420.2	420.3	-1.9	-2.0
29.0	418.27	420.1	420.3	-1.9	-2.0
28.0	418.26	420.1	420.2	-1.9	-2.0
27.0	418.25	420.1	420.2	-1.9	-2.0
26.0	418.24	420.1	420.2	-1.8	-2.0
25.0	418.23	420.1	420.2	-1.8	-1.9
24.0	418.22	420.0	420.2	-1.8	-1.9
23.0	418.21	420.0	420.1	-1.8	-1.9

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN POOL		418.4	418.2
DATE	16 NOV 2015	420.4 (09:00) 420.5 (17:00)	420.0 (09:00) 420.1(17:00)

Survey Date: Nov. 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004O215_mp_sht48.dgn
Plot date: December 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Chkd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

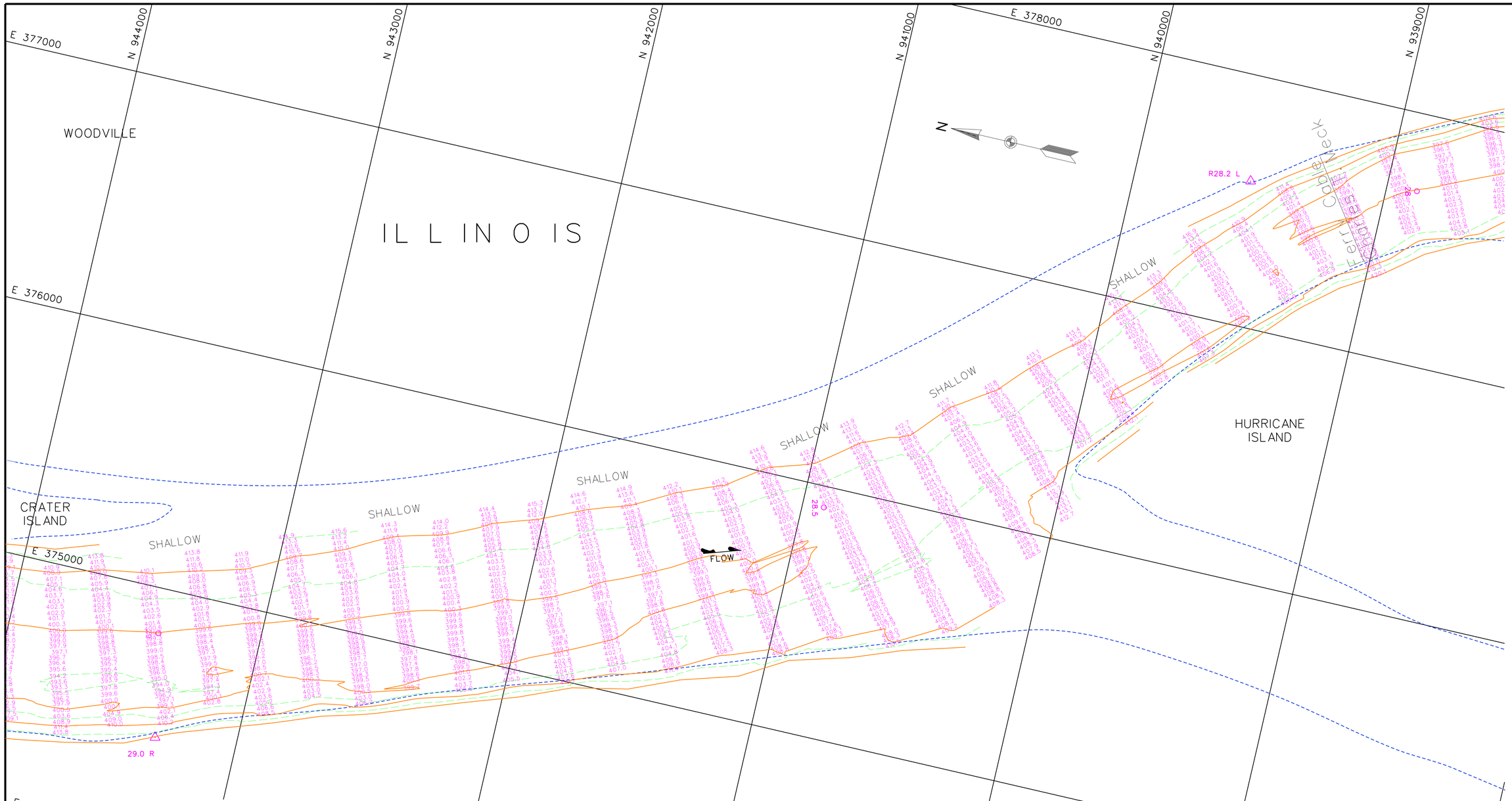
ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 0 60 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY PERFORMED ON THE DATES SHOWN AND IS INTENDED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER

48



NOVEMBER 16, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MIN POOL DIFF 09:00	MIN POOL DIFF 17:00
34.0	418.32	420.2	420.3	-1.9	-2.0
33.0	418.31	420.2	420.3	-1.9	-2.0
32.0	418.30	420.2	420.3	-1.9	-2.0
31.0	418.29	420.2	420.3	-1.9	-2.0
30.0	418.28	420.2	420.3	-1.9	-2.0
29.0	418.27	420.1	420.3	-1.9	-2.0
28.0	418.26	420.1	420.2	-1.9	-2.0
27.0	418.25	420.1	420.2	-1.9	-2.0
26.0	418.24	420.1	420.2	-1.8	-2.0
25.0	418.23	420.1	420.2	-1.8	-1.9
24.0	418.22	420.0	420.2	-1.8	-1.9
23.0	418.21	420.0	420.1	-1.8	-1.9

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN. POOL		418.4	418.2
DATE	16 NOV 2015	420.4 (09:00) 420.5 (17:00)	420.0 (09:00) 420.1(17:00)

Survey Date: Nov. 02-23, 2015
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_0004023b_mp_sht49.dgn
Plot date: December 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Cked by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

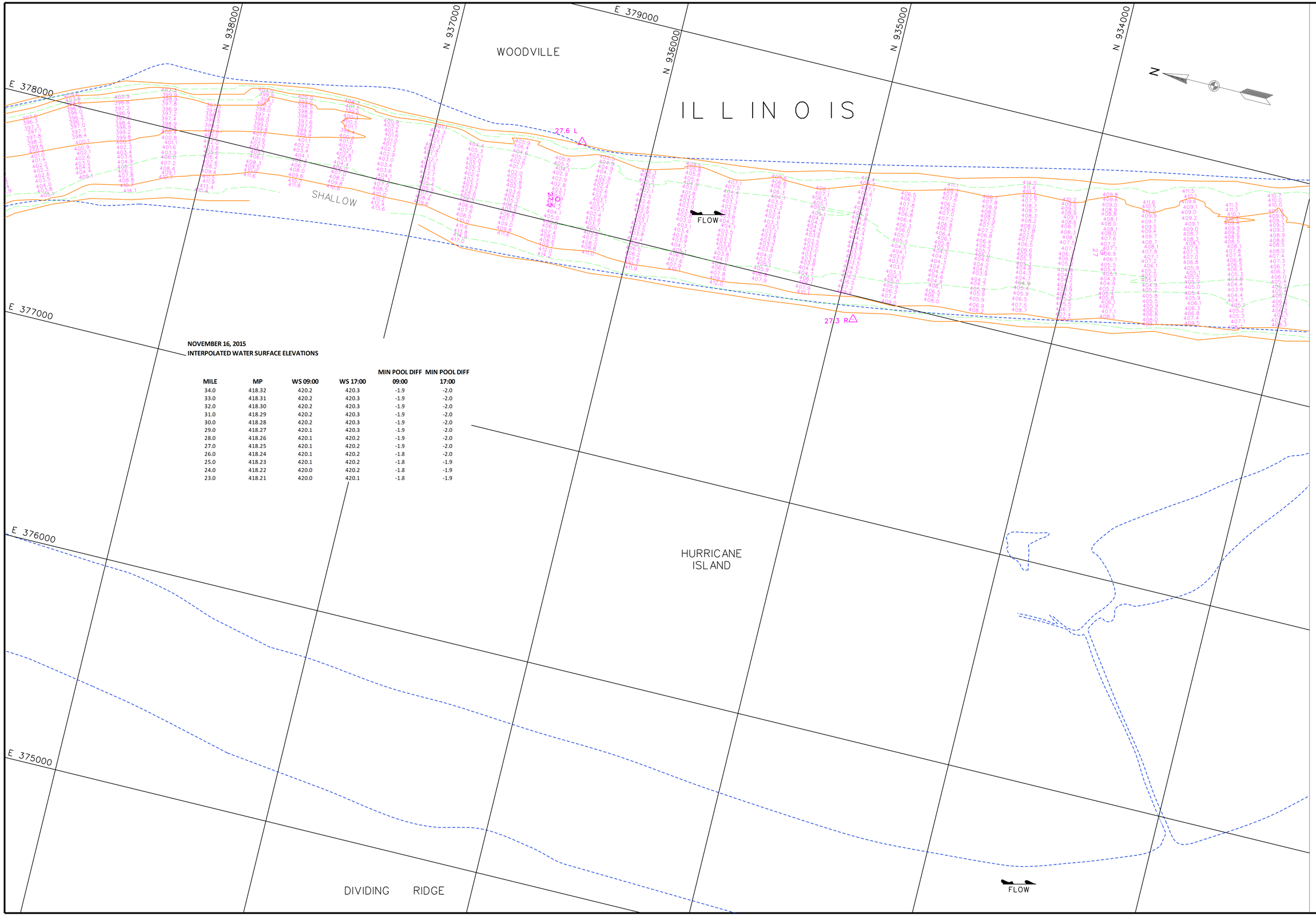
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 60 200
400 FEET 200 0 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A SINGLE SURVEY AND SHOULD BE INTERPRETED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
49



NOVEMBER 16, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MIN POOL DIFF 09:00	MIN POOL DIFF 17:00
34.0	418.32	420.2	420.3	-1.9	-2.0
33.0	418.31	420.2	420.3	-1.9	-2.0
32.0	418.30	420.2	420.3	-1.9	-2.0
31.0	418.29	420.2	420.3	-1.9	-2.0
30.0	418.28	420.2	420.3	-1.9	-2.0
29.0	418.27	420.1	420.3	-1.9	-2.0
28.0	418.26	420.1	420.2	-1.9	-2.0
27.0	418.25	420.1	420.2	-1.9	-2.0
26.0	418.24	420.1	420.2	-1.8	-2.0
25.0	418.23	420.1	420.2	-1.8	-1.9
24.0	418.22	420.0	420.2	-1.8	-1.9
23.0	418.21	420.0	420.1	-1.8	-1.9

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN. POOL		418.4	418.2
DATE	16 NOV 2015	420.4 (09:00) 420.5 (17:00)	420.0 (09:00) 420.1(17:00)

Survey Date: Nov 02-23, 2015
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_0004023b_mp_sht50.dgn
Plot date: December 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JDL
Reviewed by:
APPROVED:
Chief, Geospatial Branch

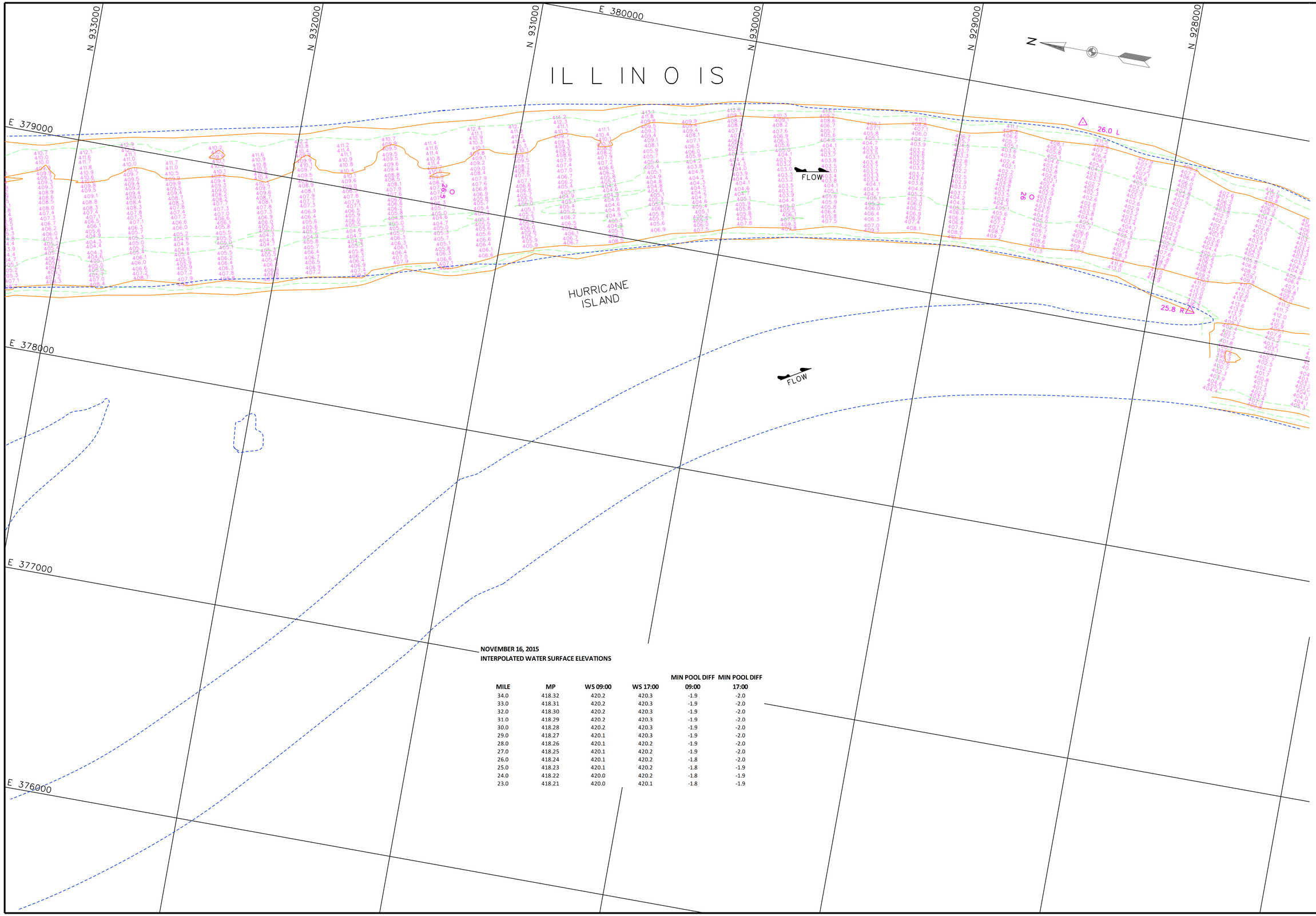
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 400 FEET
60 200
0 0
60 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS CONDUCTED ON THE DATES SHOWN AND IS CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
50



NOVEMBER 16, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MIN POOL DIFF 09:00	MIN POOL DIFF 17:00
34.0	418.32	420.2	420.3	-1.9	-2.0
33.0	418.31	420.2	420.3	-1.9	-2.0
32.0	418.30	420.2	420.3	-1.9	-2.0
31.0	418.29	420.2	420.3	-1.9	-2.0
30.0	418.28	420.2	420.3	-1.9	-2.0
29.0	418.27	420.1	420.3	-1.9	-2.0
28.0	418.26	420.1	420.2	-1.9	-2.0
27.0	418.25	420.1	420.2	-1.9	-2.0
26.0	418.24	420.1	420.2	-1.8	-2.0
25.0	418.23	420.1	420.2	-1.8	-1.9
24.0	418.22	420.0	420.2	-1.8	-1.9
23.0	418.21	420.0	420.1	-1.8	-1.9

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN. POOL		418.4	418.2
DATE	16 NOV 2015	420.4 (09:00) 420.5 (17:00)	420.0 (09:00) 420.1(17:00)

Surveyed by: HANSON
Drawn by: JLK
Checked by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch
Survey Date: Nov. 02-23, 2015
SUBMITTED: Chief, Engr. Data Mngt. Sect.
File name: 080_0004023b_mp_sht51.dgn
Plot date: December 9, 2015
Plot scale: 1" = 200'

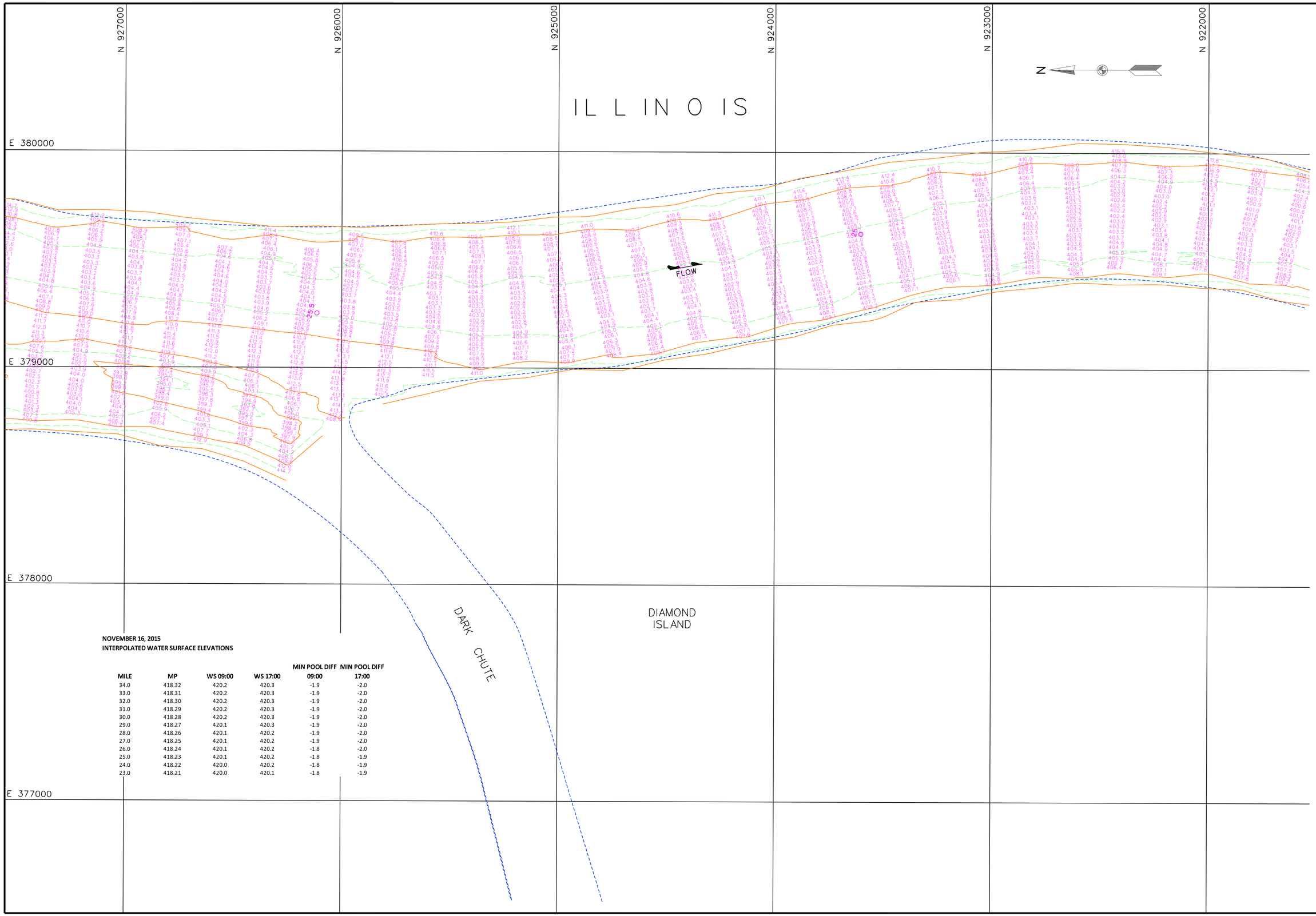
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 60 200
400 FEET 200 0

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SITE INVESTIGATIONS AND ANALYSES AT THE TIME OF SURVEY AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
51



NOVEMBER 16, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MIN POOL DIFF 09:00	MIN POOL DIFF 17:00
34.0	418.32	420.2	420.3	-1.9	-2.0
33.0	418.31	420.2	420.3	-1.9	-2.0
32.0	418.30	420.2	420.3	-1.9	-2.0
31.0	418.29	420.2	420.3	-1.9	-2.0
30.0	418.28	420.2	420.3	-1.9	-2.0
29.0	418.27	420.1	420.3	-1.9	-2.0
28.0	418.26	420.1	420.2	-1.9	-2.0
27.0	418.25	420.1	420.2	-1.9	-2.0
26.0	418.24	420.1	420.2	-1.8	-2.0
25.0	418.23	420.1	420.2	-1.8	-1.9
24.0	418.22	420.0	420.2	-1.8	-1.9
23.0	418.21	420.0	420.1	-1.8	-1.9

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN. POOL		418.4	418.2
DATE	16 NOV 2015	420.4 (09:00) 420.5 (17:00)	420.0 (09:00) 420.1(17:00)

Survey Date: Nov. 02-23, 2015

Surveyed by: HANSON
Drawn by: JLK
Checked by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

SUBMITTED: Chief, Engr. Data Mngt. Sect.

File name: 080_0004023b_mp_sht52.dgn
Plot date: Sept. 9, 2015
Plot scale: 1" = 200'

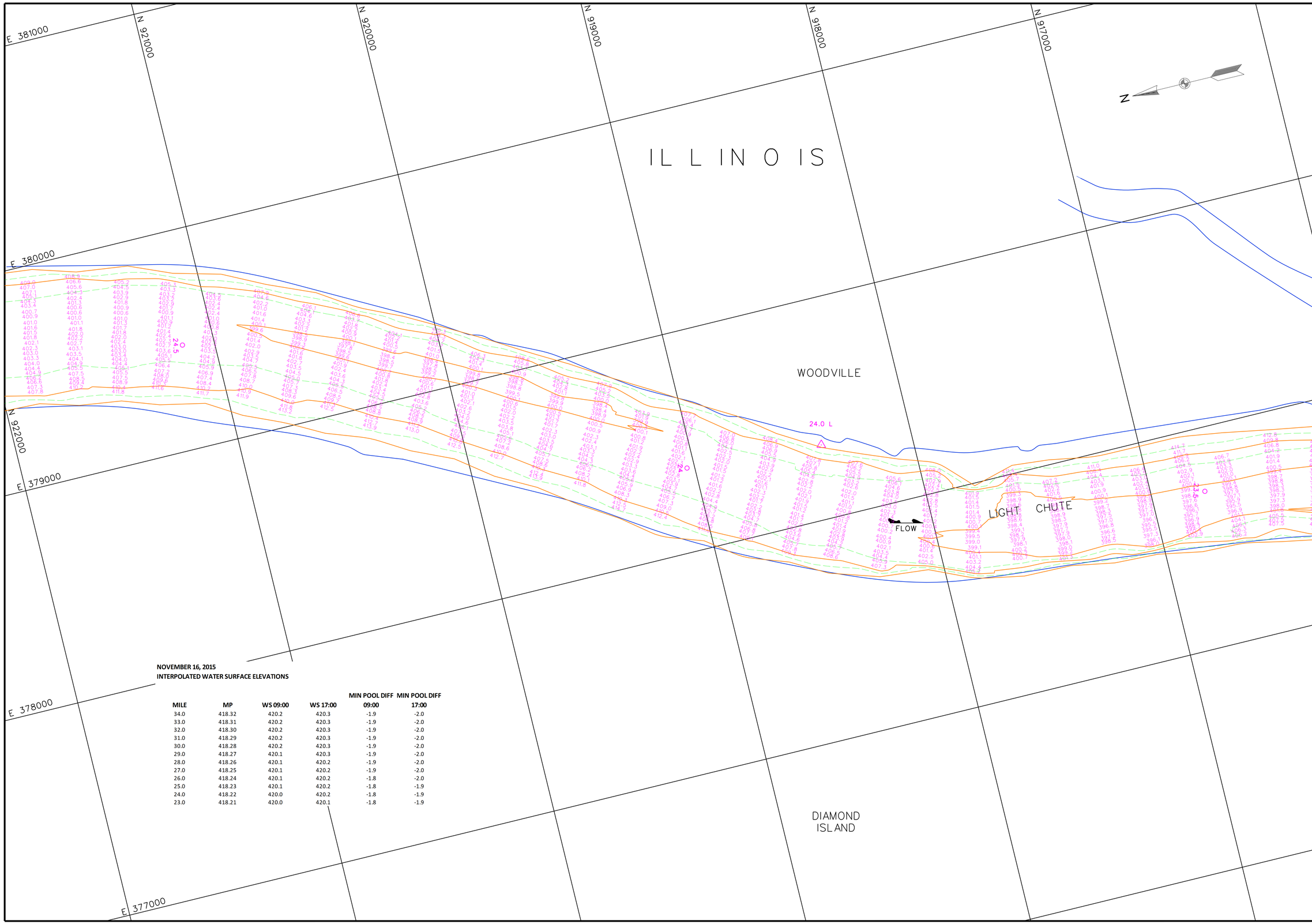
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS
400 FEET
60 0 60 200 0 200

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE POSSIBLE RANGE OF WATER SURFACE ELEVATIONS ON THE ILLINOIS RIVER AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
52



NOVEMBER 16, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MIN POOL DIFF 09:00	MIN POOL DIFF 17:00
34.0	418.32	420.2	420.3	-1.9	-2.0
33.0	418.31	420.2	420.3	-1.9	-2.0
32.0	418.30	420.2	420.3	-1.9	-2.0
31.0	418.29	420.2	420.3	-1.9	-2.0
30.0	418.28	420.2	420.3	-1.9	-2.0
29.0	418.27	420.1	420.3	-1.9	-2.0
28.0	418.26	420.1	420.2	-1.9	-2.0
27.0	418.25	420.1	420.2	-1.9	-2.0
26.0	418.24	420.1	420.2	-1.8	-2.0
25.0	418.23	420.1	420.2	-1.8	-1.9
24.0	418.22	420.0	420.2	-1.8	-1.9
23.0	418.21	420.0	420.1	-1.8	-1.9

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN. POOL		418.4	418.2
DATE	16 NOV 2015	420.4 (09:00) 420.5 (17:00)	420.0 (09:00) 420.1 (17:00)

Survey Date: Nov. 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004025_mp_sht53.dgn
Plot date: December 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

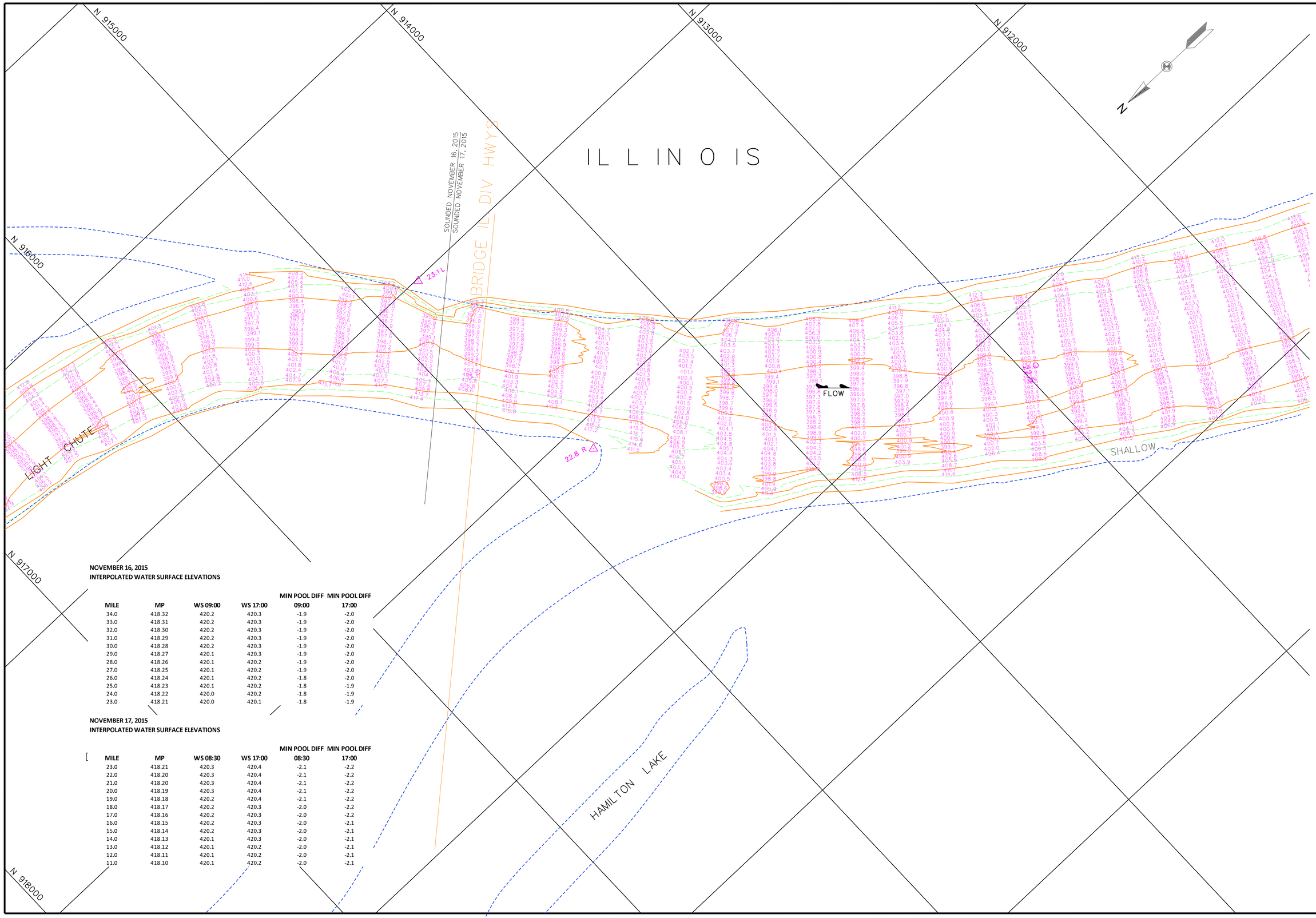
ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 60 200
400 FEET 200 0 200 400

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND MAY NOT BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER

53



NOVEMBER 16, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 09:00	WS 17:00	MIN POOL DIFF 09:00	MIN POOL DIFF 17:00
34.0	418.32	420.2	420.3	-1.9	-2.0
33.0	418.31	420.2	420.3	-1.9	-2.0
32.0	418.30	420.2	420.3	-1.9	-2.0
31.0	418.29	420.2	420.3	-1.9	-2.0
30.0	418.28	420.2	420.3	-1.9	-2.0
29.0	418.27	420.1	420.3	-1.9	-2.0
28.0	418.26	420.1	420.2	-1.9	-2.0
27.0	418.25	420.1	420.2	-1.9	-2.0
26.0	418.24	420.1	420.2	-1.8	-2.0
25.0	418.23	420.1	420.2	-1.8	-1.9
24.0	418.22	420.0	420.2	-1.8	-1.9
23.0	418.21	420.0	420.1	-1.8	-1.9

NOVEMBER 17, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:30	WS 17:00	MIN POOL DIFF 08:30	MIN POOL DIFF 17:00
23.0	418.21	420.3	420.4	-2.1	-2.2
22.0	418.20	420.3	420.4	-2.1	-2.2
21.0	418.20	420.3	420.4	-2.1	-2.2
20.0	418.19	420.3	420.4	-2.1	-2.2
19.0	418.18	420.2	420.4	-2.1	-2.2
18.0	418.17	420.2	420.3	-2.0	-2.2
17.0	418.16	420.2	420.3	-2.0	-2.2
16.0	418.15	420.2	420.3	-2.0	-2.1
15.0	418.14	420.2	420.3	-2.0	-2.1
14.0	418.13	420.1	420.3	-2.0	-2.1
13.0	418.12	420.1	420.2	-2.0	-2.1
12.0	418.11	420.1	420.2	-2.0	-2.1
11.0	418.10	420.1	420.2	-2.0	-2.1

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN POOL		418.4	418.2
DATE			
	16 NOV 2015	420.4 (09:00)	420.0 (09:00)
	17 NOV 2015	420.7 (08:30)	420.3 (08:30)

Survey Date: Nov. 02-23, 2015

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_0004025_mp_sht54.dgn
Plot date: Nov. 19, 2015
Plot scale: 1" = 200'
APPROVED:
Chief, Geospatial Branch

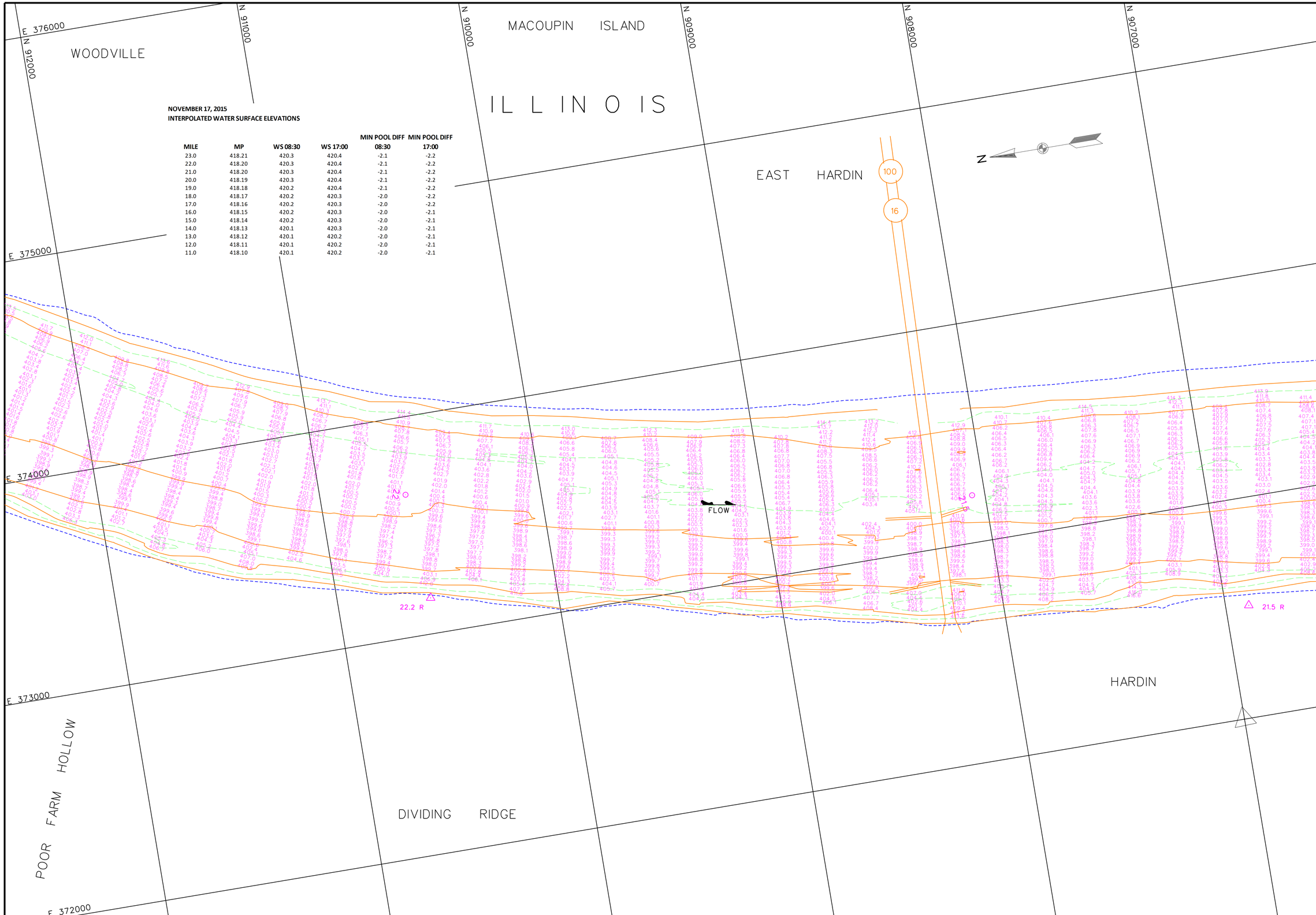
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

60 0 60 120 METERS
200 0 200 400 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THE TIME SHOWN AND ARE CORRECTED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
54



NOVEMBER 17, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:30	WS 17:00	MIN POOL DIFF 08:30	MIN POOL DIFF 17:00
23.0	418.21	420.3	420.4	-2.1	-2.2
22.0	418.20	420.3	420.4	-2.1	-2.2
21.0	418.20	420.3	420.4	-2.1	-2.2
20.0	418.19	420.3	420.4	-2.1	-2.2
19.0	418.18	420.2	420.4	-2.1	-2.2
18.0	418.17	420.2	420.3	-2.0	-2.2
17.0	418.16	420.2	420.3	-2.0	-2.2
16.0	418.15	420.2	420.3	-2.0	-2.1
15.0	418.14	420.2	420.3	-2.0	-2.1
14.0	418.13	420.1	420.3	-2.0	-2.1
13.0	418.12	420.1	420.2	-2.0	-2.1
12.0	418.11	420.1	420.2	-2.0	-2.1
11.0	418.10	420.1	420.2	-2.0	-2.1

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	PEARL	HARDIN
ZERO N.G.V.D.		400.0	400.0
MILE		43.2	21.5
MIN. POOL		418.4	418.2
DATE	17 NOV 2015	420.7 (08:30) 420.8 (17:00)	420.3 (08:30) 420.4 (17:00)

Survey Date: Nov 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004023_mp_sht55.dgn
Plot date: Sep 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

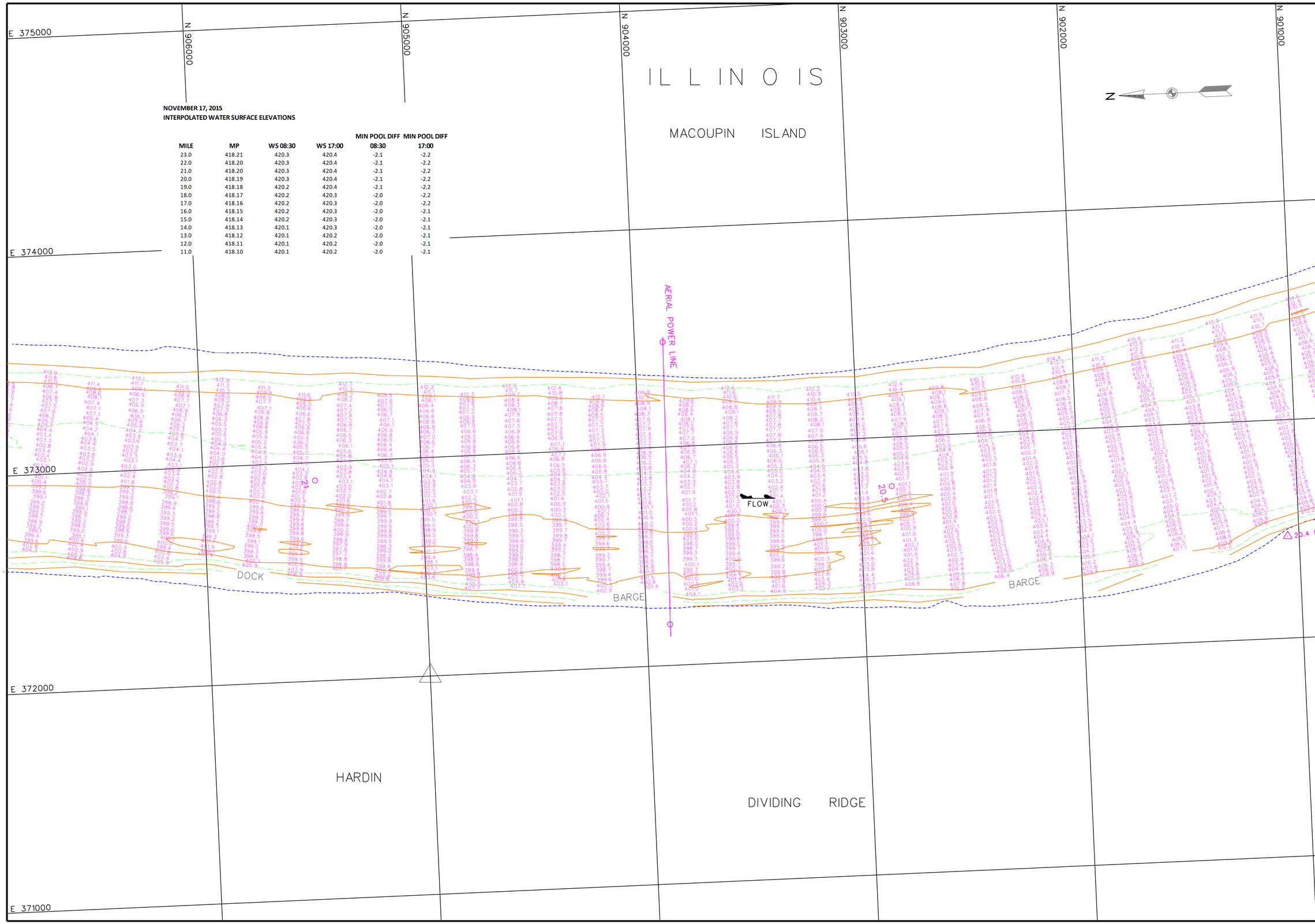
ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 60 200
400 FEET 200 0 200 600

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A HYDROGRAPHIC SURVEY PERFORMED ON THE DATES SHOWN AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER

55



NOVEMBER 17, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:30	WS 17:00	MIN POOL DIFF 08:30	MIN POOL DIFF 17:00
23.0	418.21	420.3	420.4	-2.1	-2.2
22.0	418.20	420.3	420.4	-2.1	-2.2
21.0	418.20	420.3	420.4	-2.1	-2.2
20.0	418.19	420.3	420.4	-2.1	-2.2
19.0	418.18	420.2	420.4	-2.1	-2.2
18.0	418.17	420.2	420.3	-2.0	-2.2
17.0	418.16	420.2	420.3	-2.0	-2.2
16.0	418.15	420.2	420.3	-2.0	-2.1
15.0	418.14	420.2	420.3	-2.0	-2.1
14.0	418.13	420.1	420.3	-2.0	-2.1
13.0	418.12	420.1	420.2	-2.0	-2.1
12.0	418.11	420.1	420.2	-2.0	-2.1
11.0	418.10	420.1	420.2	-2.0	-2.1

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN. POOL		418.2	418.0
DATE	17 NOV 2015	420.3 (08:30) 420.4 (17:00)	419.9 (08:30) 420.0 (17:00)

Survey Date: Nov. 02-23, 2015

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
APPROVED:
Chief, Geospatial Branch
File name: 080_0004021b_mp_sht56.dgn
Plot date: Nov 19, 2015
Plot scale: 1" = 200'

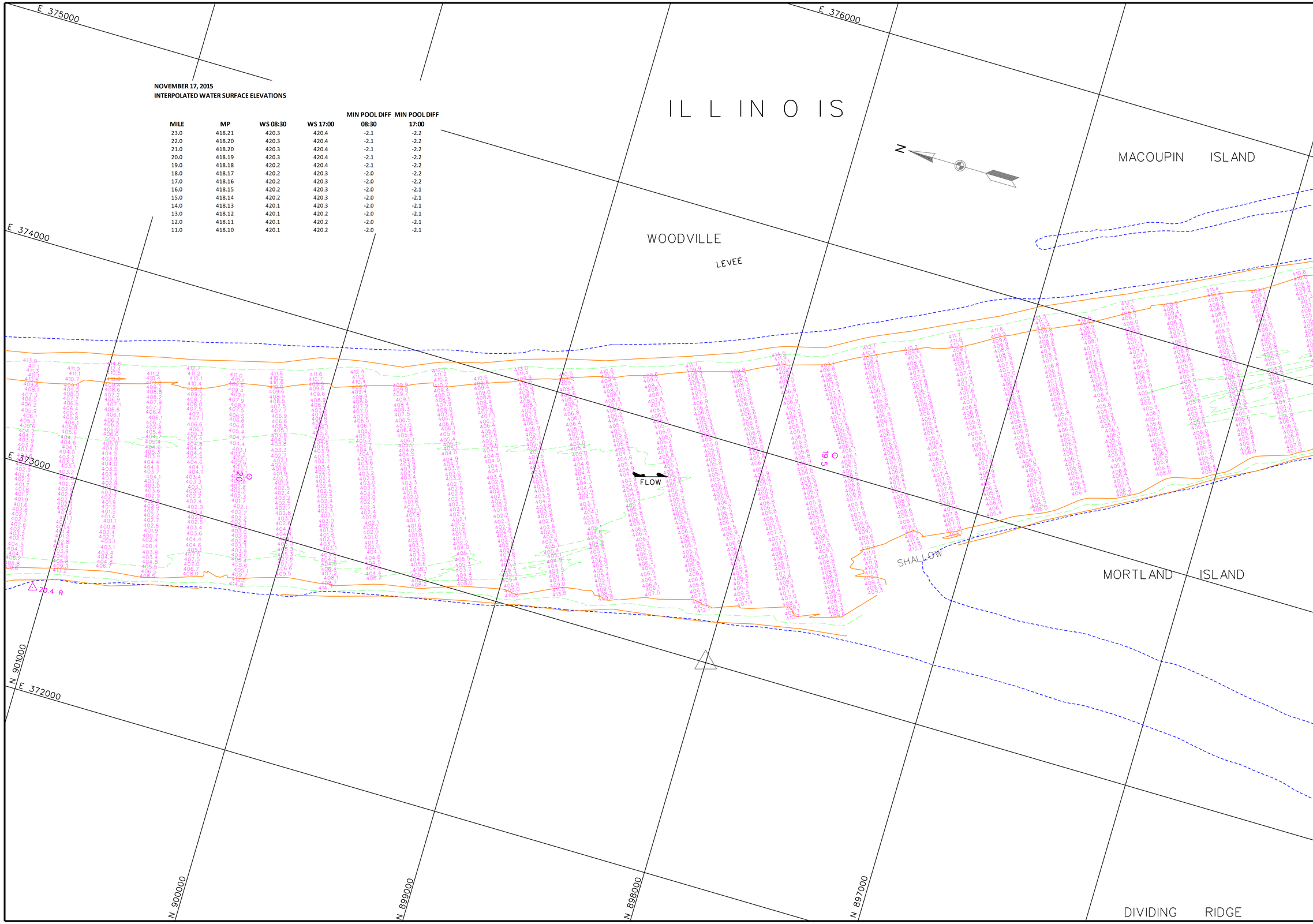
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 0 60
400 FEET 0 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THE TIME SHOWN AND IS INTENDED ONLY AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
56



NOVEMBER 17, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:30	WS 17:00	MIN POOL DIFF 08:30	MIN POOL DIFF 17:00
23.0	418.21	420.3	420.4	-2.1	-2.2
22.0	418.20	420.3	420.4	-2.1	-2.2
21.0	418.20	420.3	420.4	-2.1	-2.2
20.0	418.19	420.3	420.4	-2.1	-2.2
19.0	418.18	420.2	420.4	-2.1	-2.2
18.0	418.17	420.2	420.3	-2.0	-2.2
17.0	418.16	420.2	420.3	-2.0	-2.2
16.0	418.15	420.2	420.3	-2.0	-2.1
15.0	418.14	420.2	420.3	-2.0	-2.1
14.0	418.13	420.1	420.3	-2.0	-2.1
13.0	418.12	420.1	420.2	-2.0	-2.1
12.0	418.11	420.1	420.2	-2.0	-2.1
11.0	418.10	420.1	420.2	-2.0	-2.1

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	HARDIN	GRAFTON
ZERO N.G.V.D.	400.0	403.8
MILE	21.5	0.0
MIN. POOL	418.2	418.0
DATE	17 NOV 2015	19 NOV 2015
WATER SURFACE	420.3 (08:30) 420.4 (17:00)	419.9 (08:30) 420.0 (17:00)

Survey Date: Nov. 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004023b_mp_sht57.dgn
Plot date: Nov 24, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

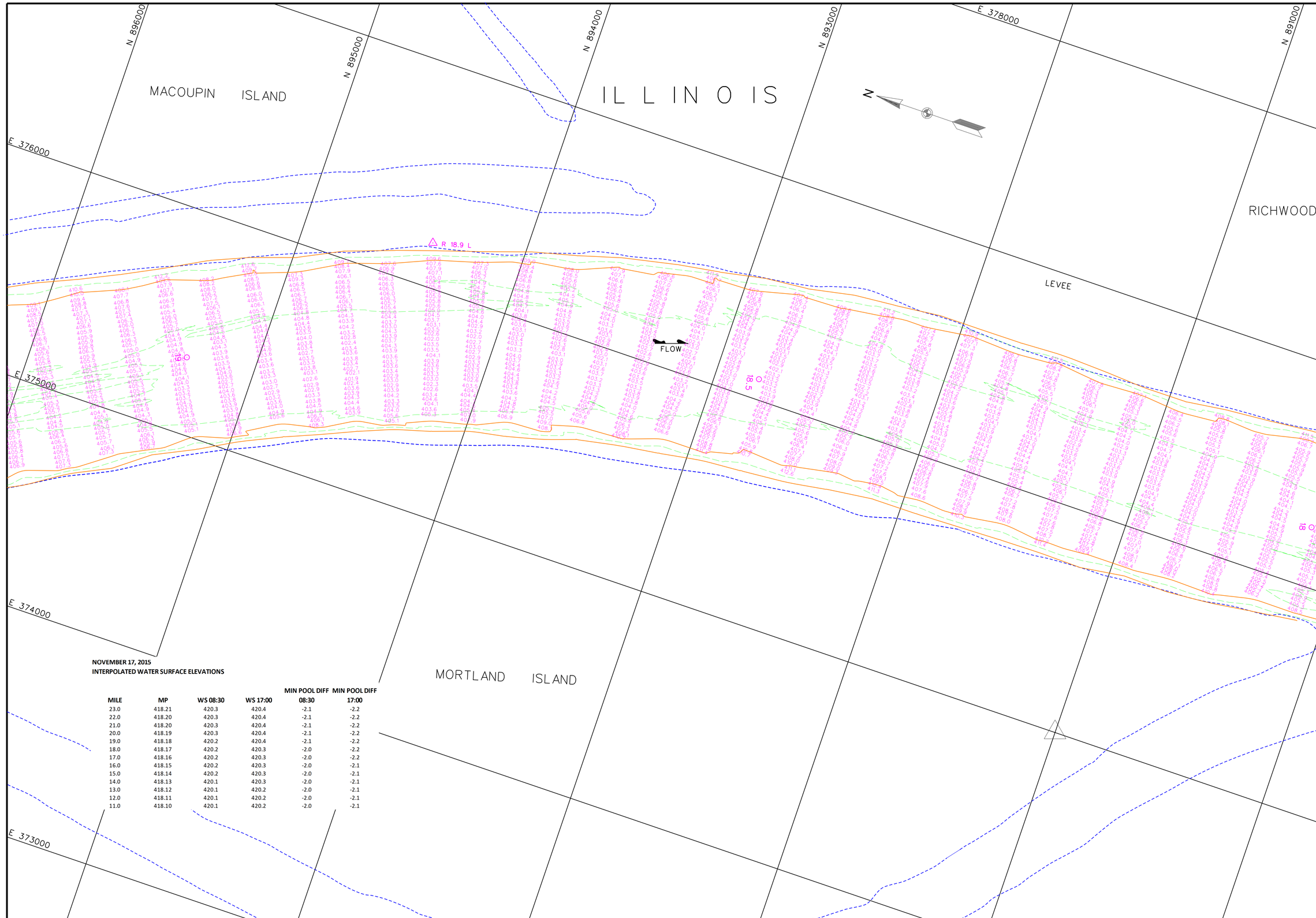
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 200 400 FEET

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SITE INVESTIGATIONS MADE BY THE CORPS OF ENGINEERS AT THE TIME AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
57



NOVEMBER 17, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:30	WS 17:00	MIN POOL DIFF 08:30	MIN POOL DIFF 17:00
23.0	418.21	420.3	420.4	-2.1	-2.2
22.0	418.20	420.3	420.4	-2.1	-2.2
21.0	418.20	420.3	420.4	-2.1	-2.2
20.0	418.19	420.3	420.4	-2.1	-2.2
19.0	418.18	420.2	420.4	-2.1	-2.2
18.0	418.17	420.2	420.3	-2.0	-2.2
17.0	418.16	420.2	420.3	-2.0	-2.2
16.0	418.15	420.2	420.3	-2.0	-2.1
15.0	418.14	420.2	420.3	-2.0	-2.1
14.0	418.13	420.1	420.3	-2.0	-2.1
13.0	418.12	420.1	420.2	-2.0	-2.1
12.0	418.11	420.1	420.2	-2.0	-2.1
11.0	418.10	420.1	420.2	-2.0	-2.1

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN. POOL		418.2	418.0
DATE	17 NOV 2015	420.3 (08:30)	419.9 (08:30)
		420.4 (17:00)	420.0 (17:00)

Survey Date: Nov. 02-23, 2015

SUBMITTED:
Chief, Engr. Data Mngt. Sect.

File name: 080_0004023b_mp_sht58.dgn
Plot date: Thursday, May 19, 2016
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED:
Chief, Geospatial Branch

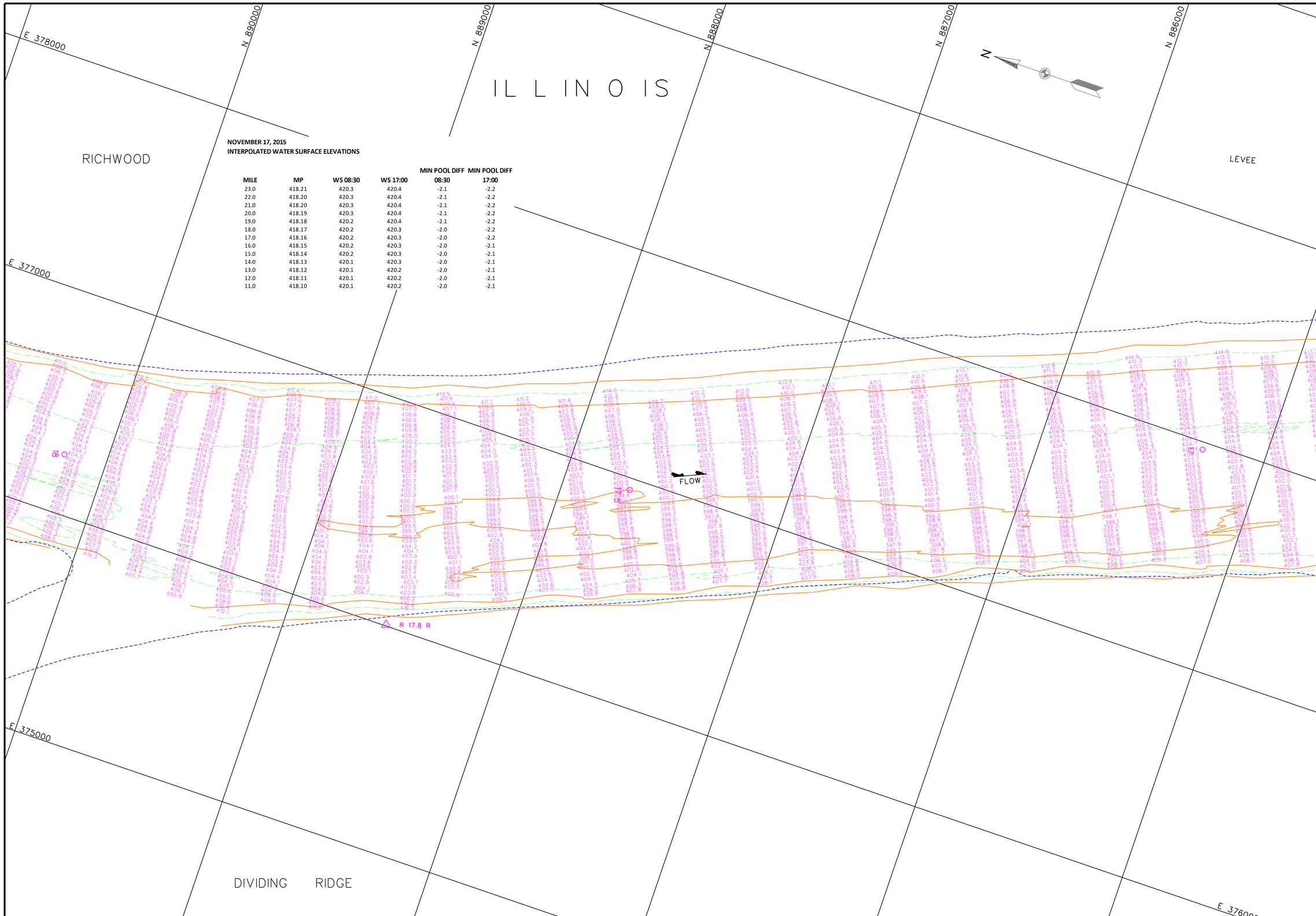
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 60 200
400 FEET 200 0

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF STATISTICAL ANALYSIS OF HISTORICAL DATA AND IS INTENDED TO REPRESENT AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER
58



NOVEMBER 17, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:30	WS 17:00	MIN POOL DIFF 08:30	MIN POOL DIFF 17:00
23.0	418.21	420.3	420.4	-2.1	-2.2
22.0	418.20	420.3	420.4	-2.1	-2.2
21.0	418.20	420.3	420.4	-2.1	-2.2
20.0	418.19	420.3	420.4	-2.1	-2.2
19.0	418.18	420.2	420.4	-2.1	-2.2
18.0	418.17	420.2	420.3	-2.0	-2.2
17.0	418.16	420.2	420.3	-2.0	-2.2
16.0	418.15	420.2	420.3	-2.0	-2.1
15.0	418.14	420.2	420.3	-2.0	-2.1
14.0	418.13	420.1	420.3	-2.0	-2.1
13.0	418.12	420.1	420.2	-2.0	-2.1
12.0	418.11	420.1	420.2	-2.0	-2.1
11.0	418.10	420.1	420.2	-2.0	-2.1

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN. POOL		418.2	418.0
DATE	17 NOV 2015	420.3 (08:30) 420.4 (17:00)	419.9 (08:30) 420.0 (17:00)

Survey Date: Nov. 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004023b_mp_sht59.dgn
Plot date: Nov. 24, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Clkd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

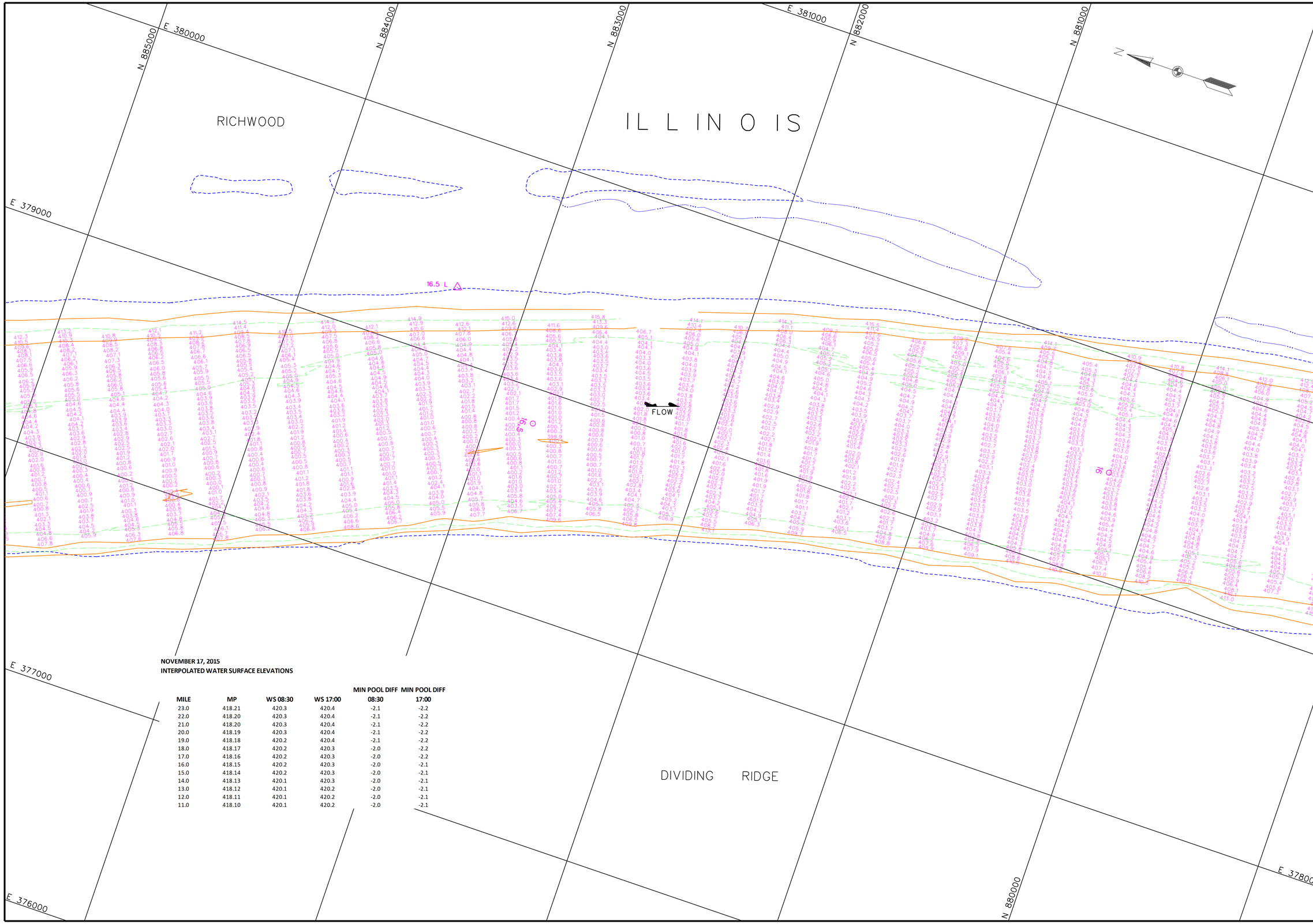
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 400 FEET
60 200 0 0 60 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND ARE ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
59



NOVEMBER 17, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:30	WS 17:00	MIN POOL DIFF 08:30	MIN POOL DIFF 17:00
23.0	418.21	420.3	420.4	-2.1	-2.2
22.0	418.20	420.3	420.4	-2.1	-2.2
21.0	418.20	420.3	420.4	-2.1	-2.2
20.0	418.19	420.3	420.4	-2.1	-2.2
19.0	418.18	420.2	420.4	-2.1	-2.2
18.0	418.17	420.2	420.3	-2.0	-2.2
17.0	418.16	420.2	420.3	-2.0	-2.2
16.0	418.15	420.2	420.3	-2.0	-2.1
15.0	418.14	420.2	420.3	-2.0	-2.1
14.0	418.13	420.1	420.3	-2.0	-2.1
13.0	418.12	420.1	420.2	-2.0	-2.1
12.0	418.11	420.1	420.2	-2.0	-2.1
11.0	418.10	420.1	420.2	-2.0	-2.1

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN. POOL		418.2	418.0
DATE	17 NOV 2015	420.3 (08:30)	419.9 (08:30)
		420.4 (17:00)	420.0 (17:00)

Survey Date: Nov. 02-23, 2015

Surveyed by: HANSON
Drawn by: JLK
Cad by: JCL
Reviewed by:
Chief, Engr. Data Mngt. Sect.
SUBMITTED:
File name: 080_0004023b_mp_sh160.dgn
Plot date: Nov. 24, 2015
Plot scale: 1" = 200'
APPROVED:
Chief, Geospatial Branch

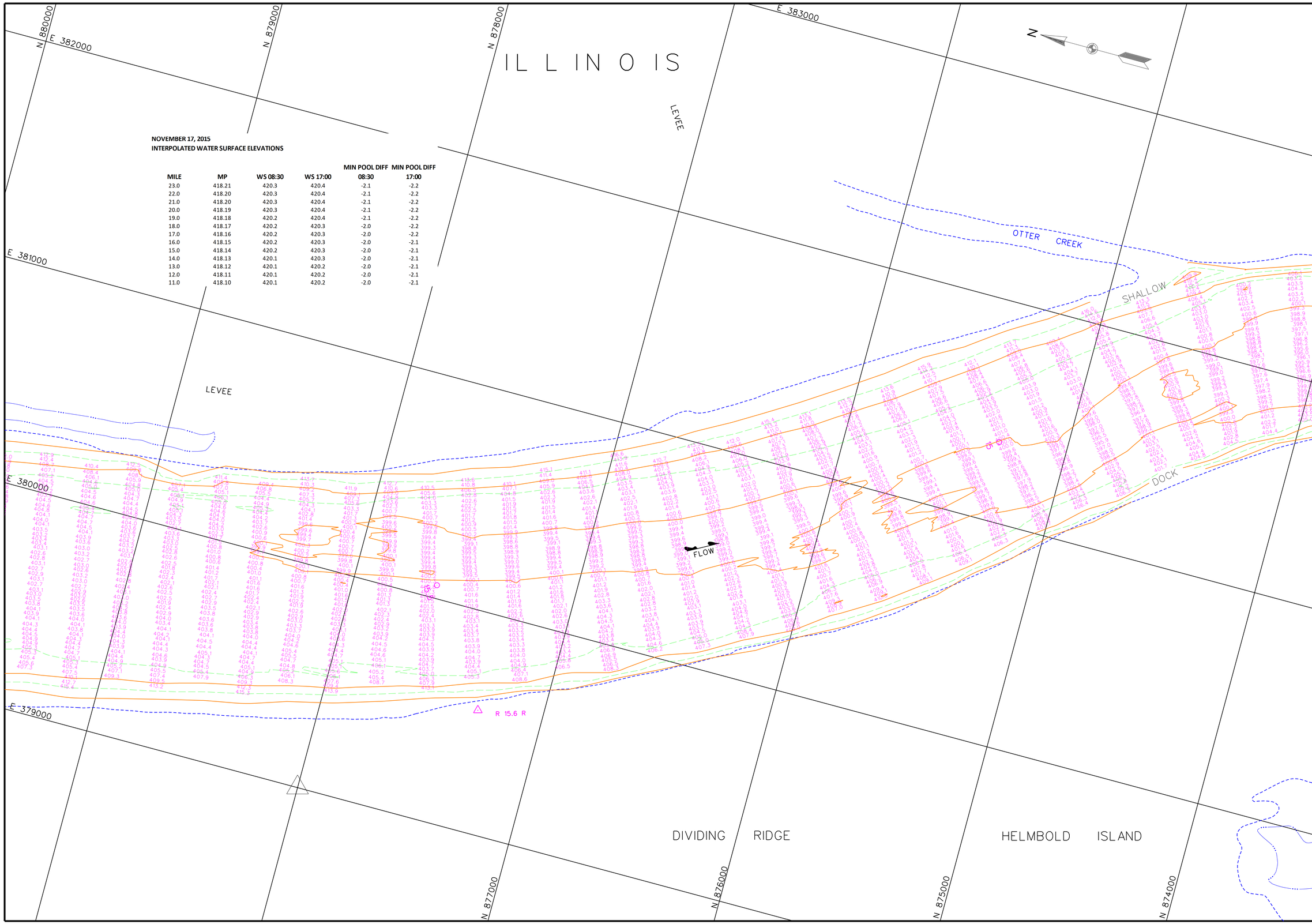
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 200 400 FEET

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF HYDROGRAPHIC SURVEYS MADE ON THE DATES SHOWN AND IS INTENDED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER
60



NOVEMBER 17, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:30	WS 17:00	MIN POOL DIFF 08:30	MIN POOL DIFF 17:00
23.0	418.21	420.3	420.4	-2.1	-2.2
22.0	418.20	420.3	420.4	-2.1	-2.2
21.0	418.20	420.3	420.4	-2.1	-2.2
20.0	418.19	420.3	420.4	-2.1	-2.2
19.0	418.18	420.2	420.4	-2.1	-2.2
18.0	418.17	420.2	420.3	-2.0	-2.2
17.0	418.16	420.2	420.3	-2.0	-2.2
16.0	418.15	420.2	420.3	-2.0	-2.1
15.0	418.14	420.2	420.3	-2.0	-2.1
14.0	418.13	420.1	420.3	-2.0	-2.1
13.0	418.12	420.1	420.2	-2.0	-2.1
12.0	418.11	420.1	420.2	-2.0	-2.1
11.0	418.10	420.1	420.2	-2.0	-2.1

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN. POOL		418.2	418.0
DATE	17 NOV 2015	420.3 (08:30) 420.4 (17:00)	419.9 (08:30) 420.0 (17:00)

Survey Date: Nov. 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004023b_mp_sht61.dgn
Plot date: October 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

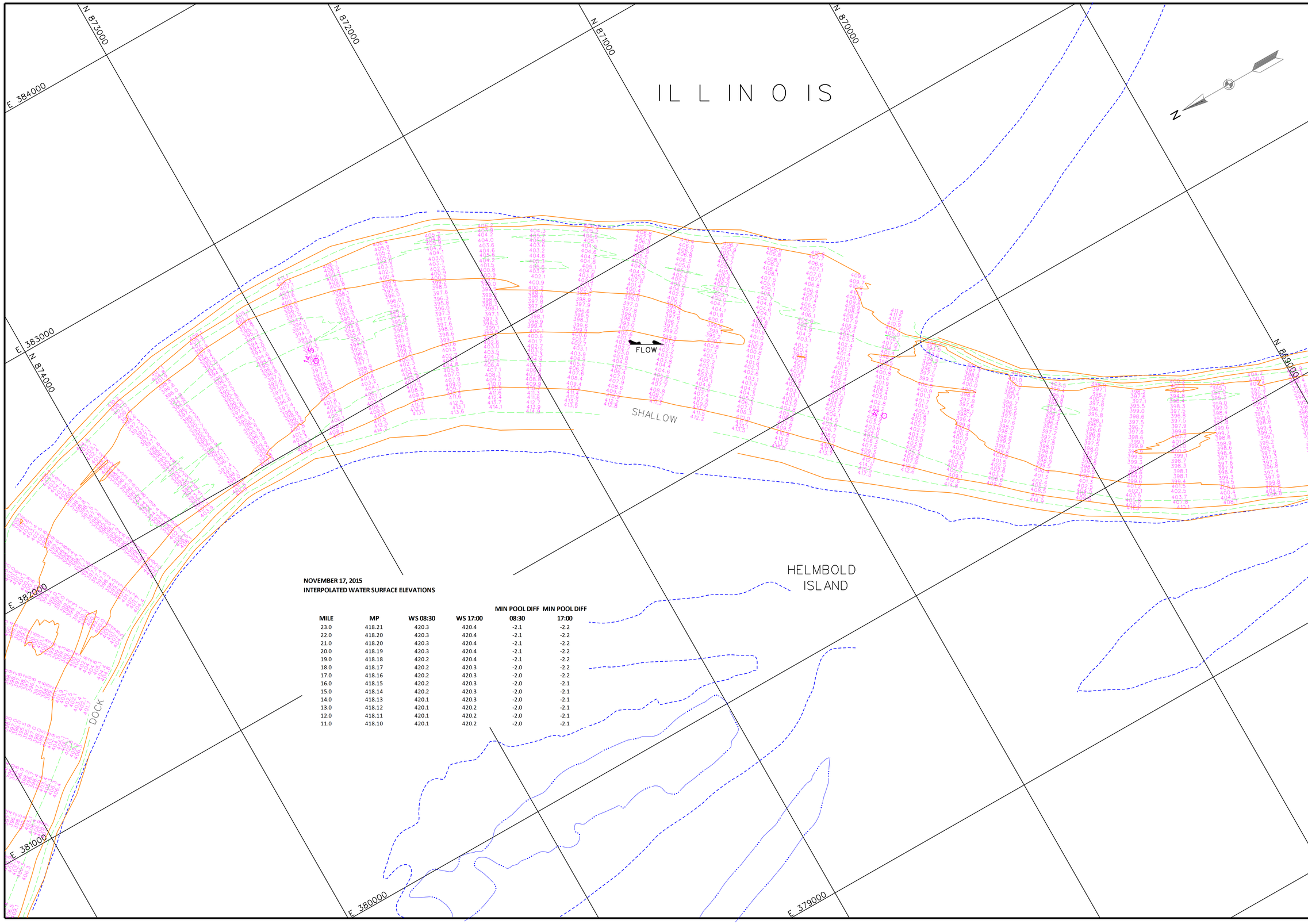
ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 60 200
400 FEET 200 0 200 600

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A HYDROGRAPHIC SURVEY. THE RESULTS REPORT AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER

61



NOVEMBER 17, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:30	WS 17:00	MIN POOL DIFF 08:30	MIN POOL DIFF 17:00
23.0	418.21	420.3	420.4	-2.1	-2.2
22.0	418.20	420.3	420.4	-2.1	-2.2
21.0	418.20	420.3	420.4	-2.1	-2.2
20.0	418.19	420.3	420.4	-2.1	-2.2
19.0	418.18	420.2	420.4	-2.1	-2.2
18.0	418.17	420.2	420.3	-2.0	-2.2
17.0	418.16	420.2	420.3	-2.0	-2.2
16.0	418.15	420.2	420.3	-2.0	-2.1
15.0	418.14	420.2	420.3	-2.0	-2.1
14.0	418.13	420.1	420.3	-2.0	-2.1
13.0	418.12	420.1	420.2	-2.0	-2.1
12.0	418.11	420.1	420.2	-2.0	-2.1
11.0	418.10	420.1	420.2	-2.0	-2.1

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN. POOL		418.2	418.0
DATE	17 NOV 2015	420.3 (08:30) 420.4 (17:00)	419.9 (08:30) 420.0 (17:00)

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

Survey Date: Nov. 02-23, 2015
SUBMITTED: Chief, Engr. Data Mngt. Sect.
File name: 080_0004023b_mp_sht62.dgn
Plot date: Nov. 24, 2015
Plot scale: 1" = 200'

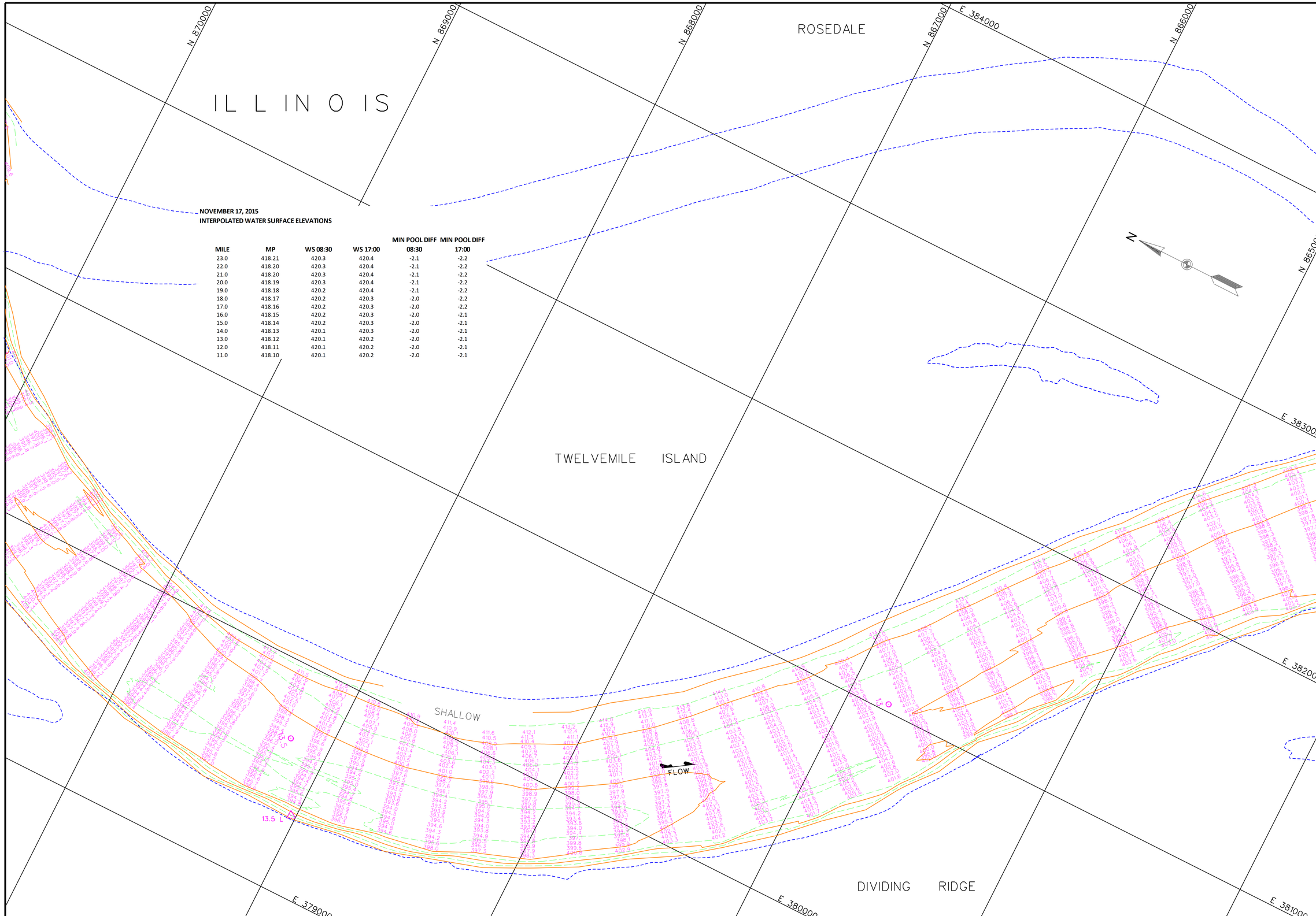
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 60 200
400 FEET 200 0 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SOUNDINGS AND OTHER SURVEYS MADE AT THE TIME INDICATED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
62



NOVEMBER 17, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:30	WS 17:00	MIN POOL DIFF 08:30	MIN POOL DIFF 17:00
23.0	418.21	420.3	420.4	-2.1	-2.2
22.0	418.20	420.3	420.4	-2.1	-2.2
21.0	418.20	420.3	420.4	-2.1	-2.2
20.0	418.19	420.3	420.4	-2.1	-2.2
19.0	418.18	420.2	420.4	-2.1	-2.2
18.0	418.17	420.2	420.3	-2.0	-2.2
17.0	418.16	420.2	420.3	-2.0	-2.2
16.0	418.15	420.2	420.3	-2.0	-2.1
15.0	418.14	420.2	420.3	-2.0	-2.1
14.0	418.13	420.1	420.3	-2.0	-2.1
13.0	418.12	420.1	420.2	-2.0	-2.1
12.0	418.11	420.1	420.2	-2.0	-2.1
11.0	418.10	420.1	420.2	-2.0	-2.1

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN. POOL		418.2	418.0
DATE	17 NOV 2015	420.3 (08:30)	419.9 (08:30)
		420.4 (17:00)	420.0 (17:00)

Survey Date: Nov. 02-23, 2015
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_0004021S_mp_sht63.dgn
Plot date: December 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Cad by: JCL
Reviewed by:
APPROVED:
Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

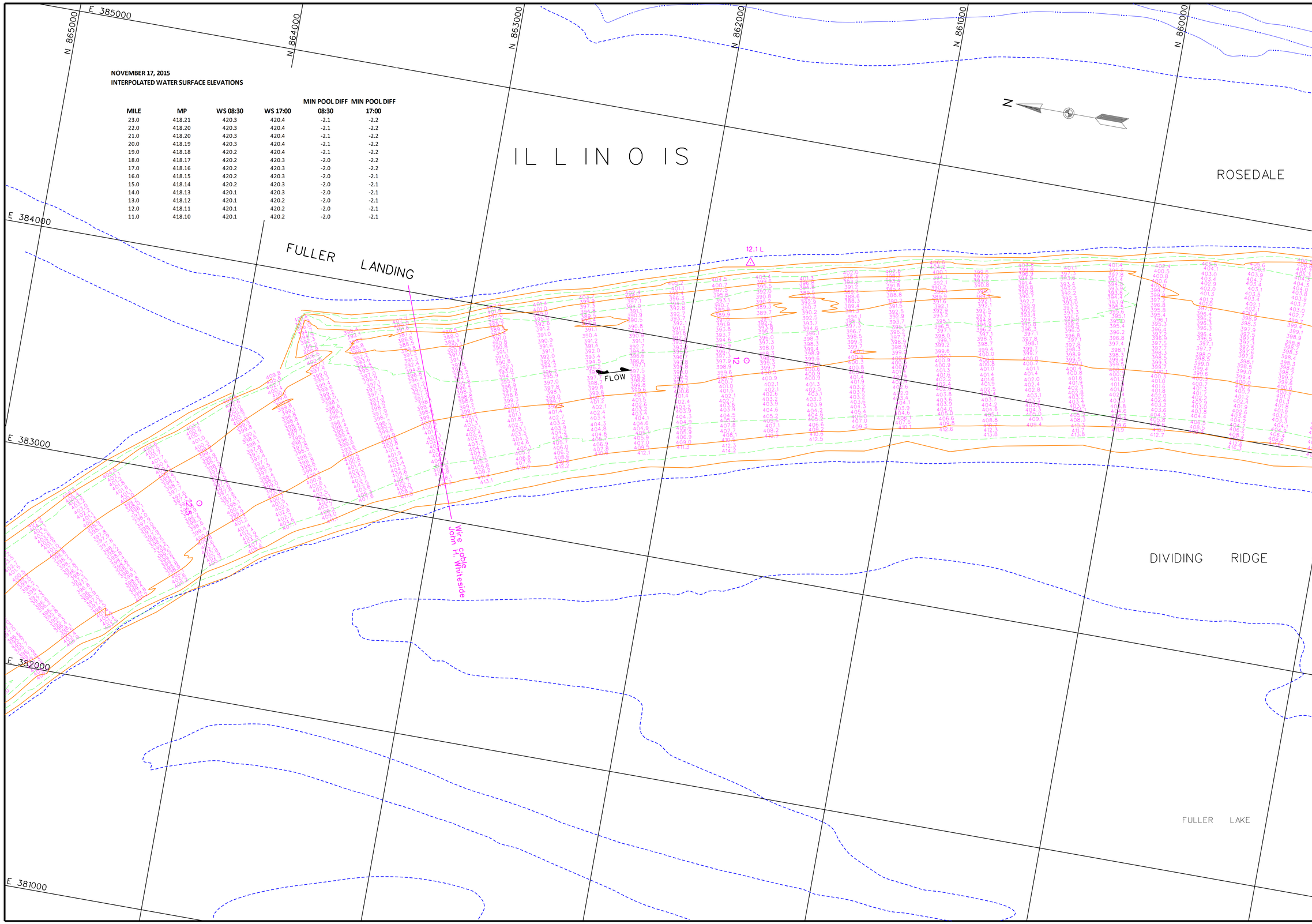
120 METERS 60 0 200 400 FEET

THE INFORMATION REPRESENTED ON THIS MAP REPRESENTS THE RESULTS OF A HYDROGRAPHIC SURVEY PERFORMED ON THE DATES LISTED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER
63

NOVEMBER 17, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:30	WS 17:00	MIN POOL DIFF 08:30	MIN POOL DIFF 17:00
23.0	418.21	420.3	420.4	-2.1	-2.2
22.0	418.20	420.3	420.4	-2.1	-2.2
21.0	418.20	420.3	420.4	-2.1	-2.2
20.0	418.19	420.3	420.4	-2.1	-2.2
19.0	418.18	420.2	420.4	-2.1	-2.2
18.0	418.17	420.2	420.3	-2.0	-2.2
17.0	418.16	420.2	420.3	-2.0	-2.2
16.0	418.15	420.2	420.3	-2.0	-2.1
15.0	418.14	420.2	420.3	-2.0	-2.1
14.0	418.13	420.1	420.3	-2.0	-2.1
13.0	418.12	420.1	420.2	-2.0	-2.1
12.0	418.11	420.1	420.2	-2.0	-2.1
11.0	418.10	420.1	420.2	-2.0	-2.1



US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN. POOL		418.2	418.0
DATE	17 NOV 2015	420.3 (08:30)	419.9 (08:30)
		420.4 (17:00)	420.0 (17:00)

Survey Date: Nov. 02-23, 2015

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
Reviewed by:
File name: 080_0004023b_mp_sht64.dgn
Plot date: Nov. 19, 2015
Plot scale: 1" = 200'
APPROVED:
Chief, Geospatial Branch

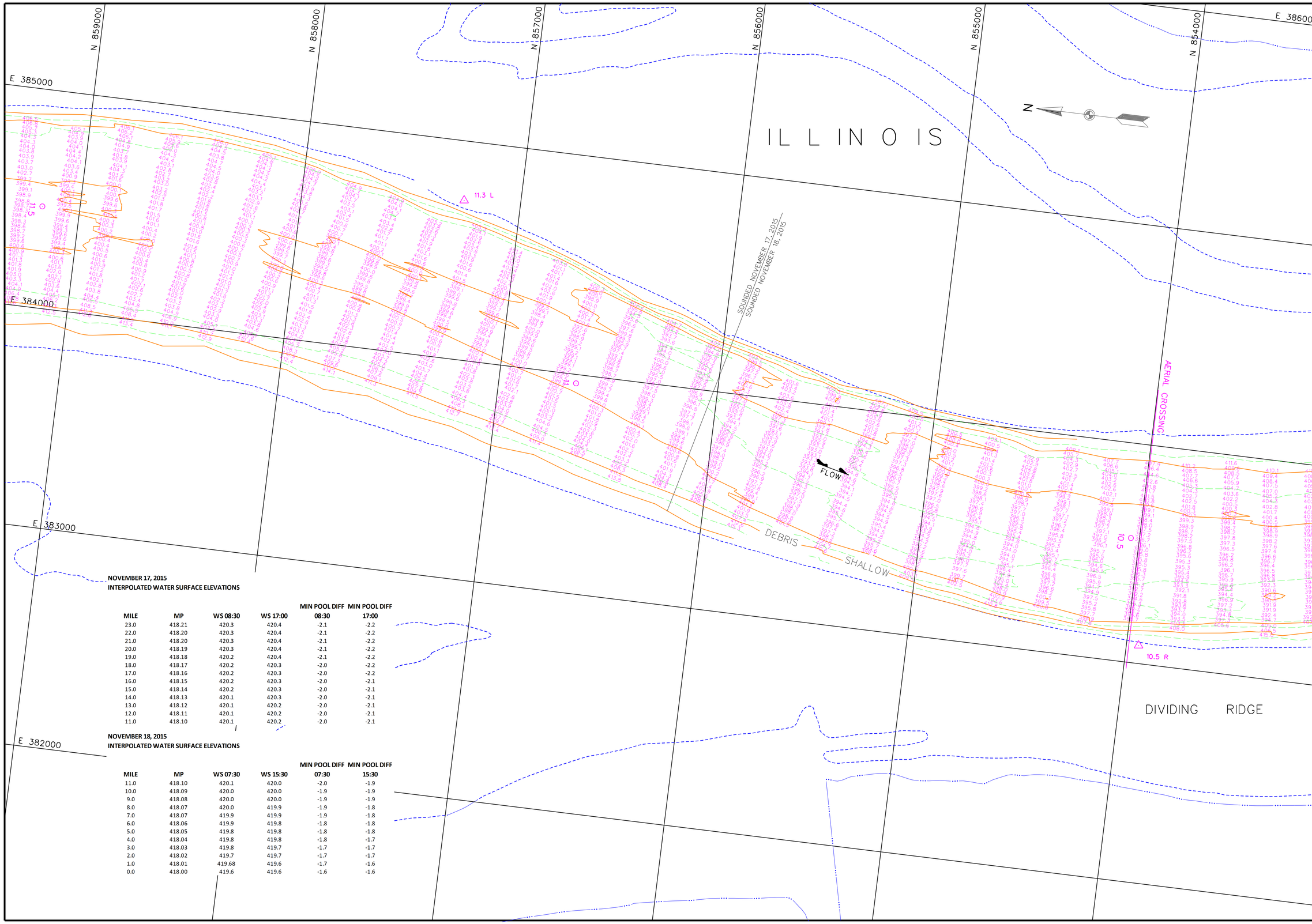
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 60 200
400 FEET 200 0 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED. THE RESULTS ARE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
64



NOVEMBER 17, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 08:30	WS 17:00	MIN POOL DIFF 08:30	MIN POOL DIFF 17:00
23.0	418.21	420.3	420.4	-2.1	-2.2
22.0	418.20	420.3	420.4	-2.1	-2.2
21.0	418.20	420.3	420.4	-2.1	-2.2
20.0	418.19	420.3	420.4	-2.1	-2.2
19.0	418.18	420.2	420.4	-2.1	-2.2
18.0	418.17	420.2	420.3	-2.0	-2.2
17.0	418.16	420.2	420.3	-2.0	-2.2
16.0	418.15	420.2	420.3	-2.0	-2.1
15.0	418.14	420.2	420.3	-2.0	-2.1
14.0	418.13	420.1	420.3	-2.0	-2.1
13.0	418.12	420.1	420.2	-2.0	-2.1
12.0	418.11	420.1	420.2	-2.0	-2.1
11.0	418.10	420.1	420.2	-2.0	-2.1

NOVEMBER 18, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 07:30	WS 15:30	MIN POOL DIFF 07:30	MIN POOL DIFF 15:30
11.0	418.10	420.1	420.0	-2.0	-1.9
10.0	418.09	420.0	420.0	-1.9	-1.9
9.0	418.08	420.0	420.0	-1.9	-1.9
8.0	418.07	420.0	419.9	-1.9	-1.8
7.0	418.07	419.9	419.9	-1.9	-1.8
6.0	418.06	419.9	419.8	-1.8	-1.8
5.0	418.05	419.8	419.8	-1.8	-1.8
4.0	418.04	419.8	419.8	-1.8	-1.7
3.0	418.03	419.8	419.7	-1.7	-1.7
2.0	418.02	419.7	419.7	-1.7	-1.7
1.0	418.01	419.68	419.6	-1.7	-1.6
0.0	418.00	419.6	419.6	-1.6	-1.6

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN. POOL		418.2	418.0
DATE			
	17 NOV 2015	420.3 (08:30)	419.9 (08:30)
	18 NOV 2015	420.5 (07:30)	419.6 (07:30)

Survey Date: Nov. 02-23, 2015

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
APPROVED:
Chief, Geospatial Branch

File name: 080_0004023b_mp_sht65.dgn
Plot date: December 9, 2015
Plot scale: 1" = 200'

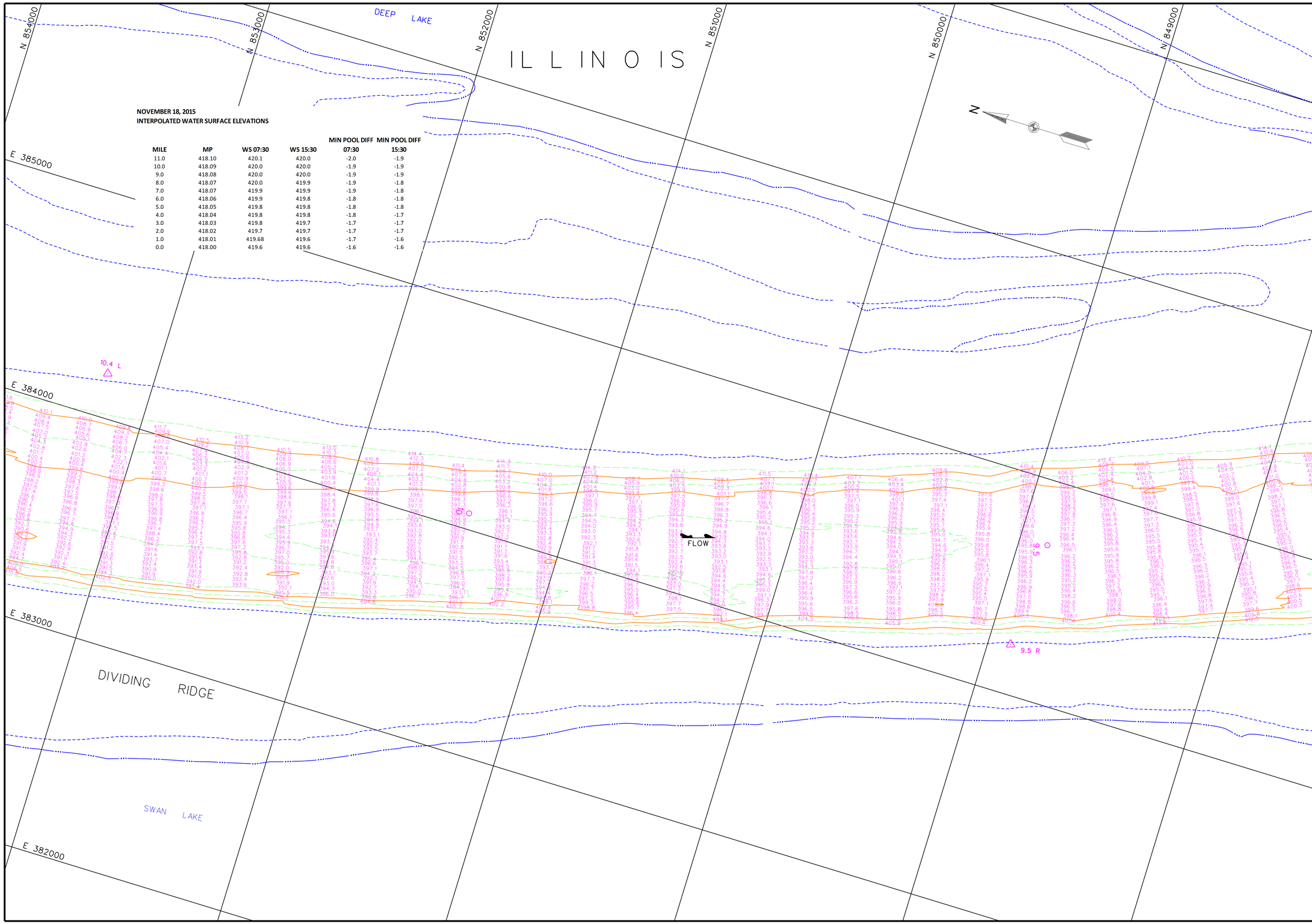
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 200 400 FEET

THE INFORMATION REPORTED IN THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES SHOWN AND IS SUBJECT TO CHANGE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
65



NOVEMBER 18, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 07:30	WS 15:30	MIN POOL DIFF 07:30	MIN POOL DIFF 15:30
11.0	418.10	420.1	420.0	-2.0	-1.9
10.0	418.09	420.0	420.0	-1.9	-1.9
9.0	418.08	420.0	420.0	-1.9	-1.9
8.0	418.07	420.0	419.9	-1.9	-1.8
7.0	418.07	419.9	419.9	-1.9	-1.8
6.0	418.06	419.9	419.8	-1.8	-1.8
5.0	418.05	419.8	419.8	-1.8	-1.8
4.0	418.04	419.8	419.8	-1.8	-1.7
3.0	418.03	419.8	419.7	-1.7	-1.7
2.0	418.02	419.7	419.7	-1.7	-1.7
1.0	418.01	419.68	419.6	-1.7	-1.6
0.0	418.00	419.6	419.6	-1.6	-1.6

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN. POOL		418.2	418.0
DATE	18 NOV 2015	420.5 (07:30) 420.4 (15:30)	419.6 (07:30) 419.6 (15:30)

Survey Date: Nov. 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004023b_mp_sht66.dgn
Plot date: December 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:

APPROVED:

Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

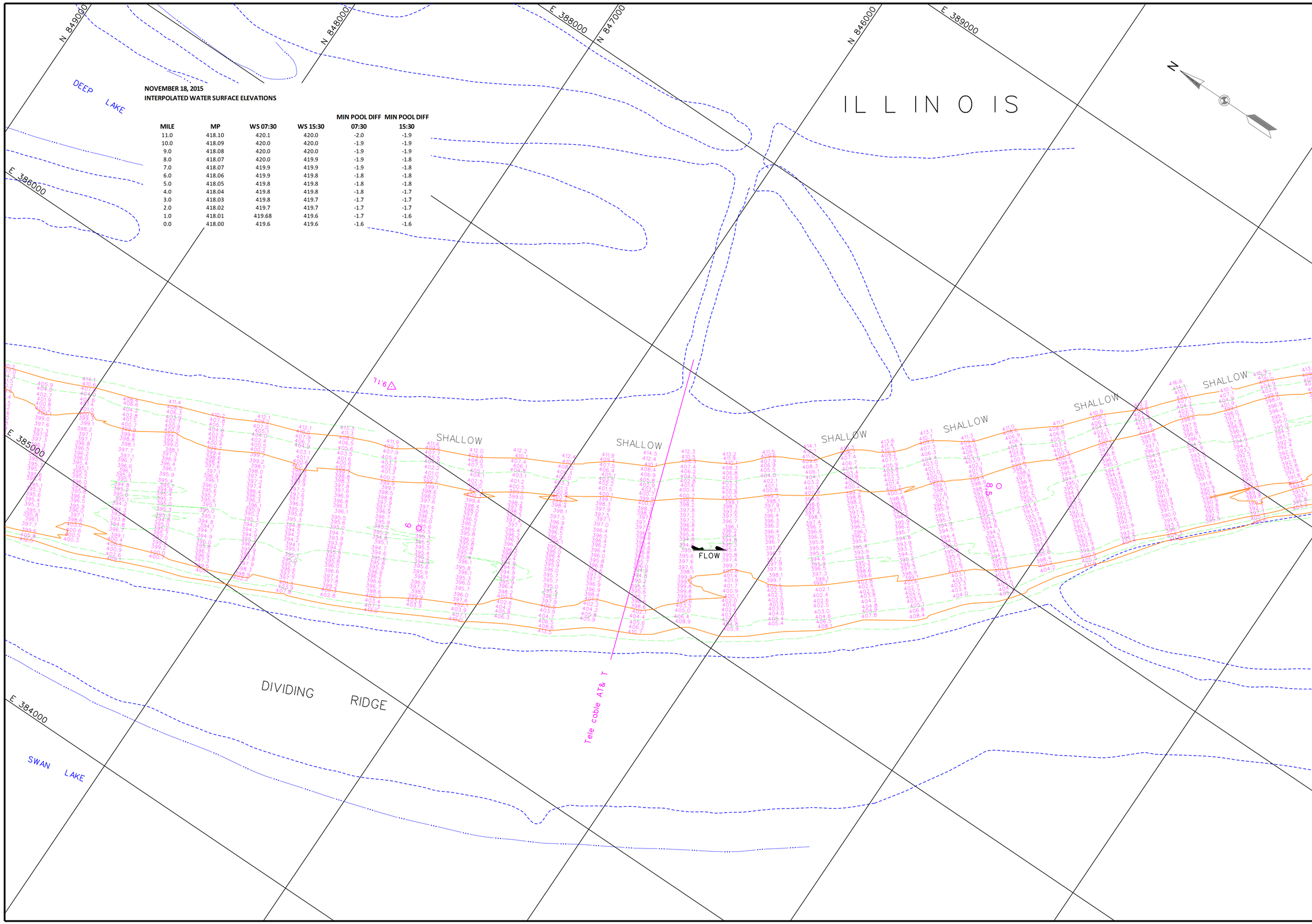
ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 200 400 FEET

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED. THE RESULTS MAY NOT BE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER

66



NOVEMBER 18, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 07:30	WS 15:30	MIN POOL DIFF 07:30	MIN POOL DIFF 15:30
11.0	418.10	420.1	420.0	-2.0	-1.9
10.0	418.09	420.0	420.0	-1.9	-1.9
9.0	418.08	420.0	420.0	-1.9	-1.9
8.0	418.07	420.0	419.9	-1.9	-1.8
7.0	418.07	419.9	419.9	-1.9	-1.8
6.0	418.06	419.9	419.8	-1.8	-1.8
5.0	418.05	419.8	419.8	-1.8	-1.8
4.0	418.04	419.8	419.8	-1.8	-1.7
3.0	418.03	419.8	419.7	-1.7	-1.7
2.0	418.02	419.7	419.7	-1.7	-1.7
1.0	418.01	419.68	419.6	-1.7	-1.6
0.0	418.00	419.6	419.6	-1.6	-1.6

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN. POOL		418.2	418.0
DATE	18 NOV 2015	420.5 (07:30) 420.4 (15:30)	419.6 (07:30) 419.6 (15:30)

Survey Date: Nov. 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004023b_mp_sht67.dgn
Plot date: Nov. 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:

APPROVED:
Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

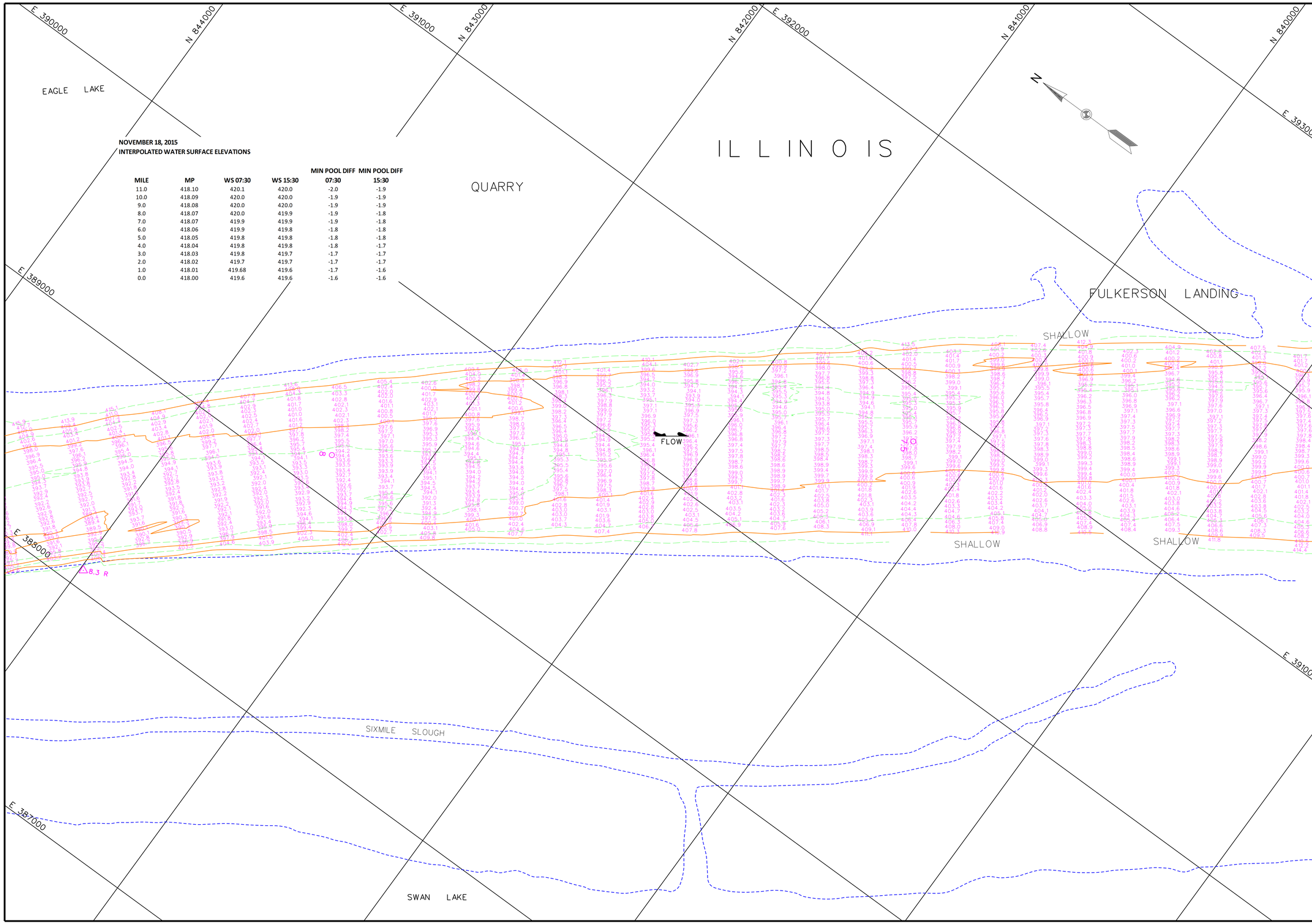
ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 200 400 FEET

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED. THE RESULTS MAY NOT BE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER

67



NOVEMBER 18, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 07:30	WS 15:30	MIN POOL DIFF 07:30	MIN POOL DIFF 15:30
11.0	418.10	420.1	420.0	-2.0	-1.9
10.0	418.09	420.0	420.0	-1.9	-1.9
9.0	418.08	420.0	420.0	-1.9	-1.9
8.0	418.07	420.0	419.9	-1.9	-1.8
7.0	418.07	419.9	419.9	-1.9	-1.8
6.0	418.06	419.9	419.8	-1.8	-1.8
5.0	418.05	419.8	419.8	-1.8	-1.8
4.0	418.04	419.8	419.8	-1.8	-1.7
3.0	418.03	419.8	419.7	-1.7	-1.7
2.0	418.02	419.7	419.7	-1.7	-1.7
1.0	418.01	419.68	419.6	-1.7	-1.6
0.0	418.00	419.6	419.6	-1.6	-1.6

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN. POOL		418.2	418.0
DATE	18 NOV 2015	420.5 (07:30) 420.4 (15:30)	419.6 (07:30) 419.6 (15:30)

Survey Date: Nov. 02-23, 2015

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
SUBMITTED: Chief, Engr. Data Mngt. Sect.
APPROVED: Chief, Geospatial Branch
File name: 080_0004023b_mp_sh168.dgn
Plot date: Nov. 24, 2015
Plot scale: 1" = 200'

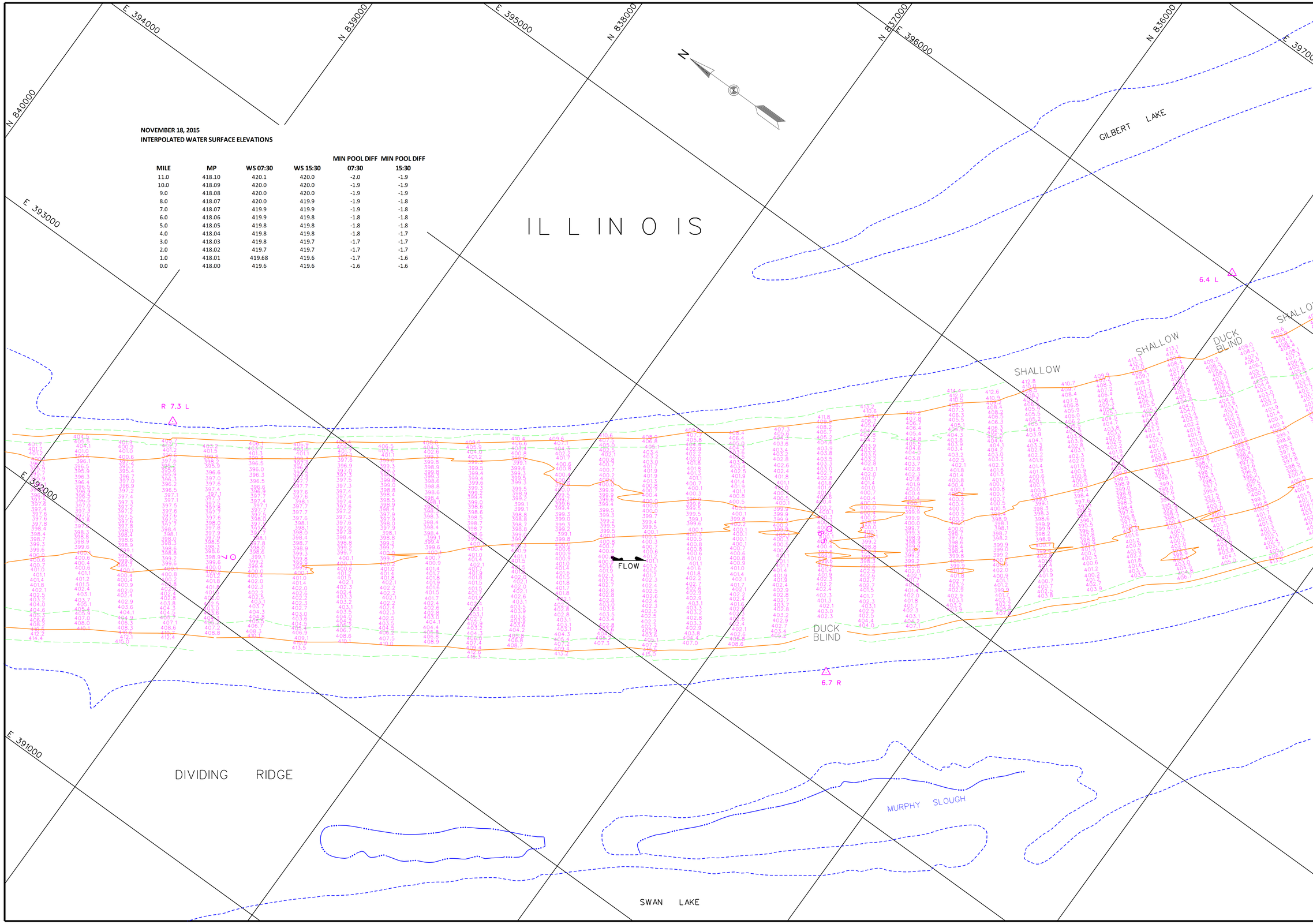
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 400 FEET
60 0 60 200 0 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE BY THE CORPS OF ENGINEERS AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
68



NOVEMBER 18, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 07:30	WS 15:30	MIN POOL DIFF 07:30	MIN POOL DIFF 15:30
11.0	418.10	420.1	420.0	-2.0	-1.9
10.0	418.09	420.0	420.0	-1.9	-1.9
9.0	418.08	420.0	420.0	-1.9	-1.9
8.0	418.07	420.0	419.9	-1.9	-1.8
7.0	418.07	419.9	419.9	-1.9	-1.8
6.0	418.06	419.9	419.8	-1.8	-1.8
5.0	418.05	419.8	419.8	-1.8	-1.8
4.0	418.04	419.8	419.8	-1.8	-1.7
3.0	418.03	419.8	419.7	-1.7	-1.7
2.0	418.02	419.7	419.7	-1.7	-1.7
1.0	418.01	419.68	419.6	-1.7	-1.6
0.0	418.00	419.6	419.6	-1.6	-1.6

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN. POOL		418.2	418.0
DATE			
	18 NOV 2015	420.5 (07:30)	419.6 (07:30)
		420.4 (15:30)	419.6 (15:30)

Survey Date: Nov 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004023b_mp_sht69.dgn
Plot date: November 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED: Chief, Geospatial Branch

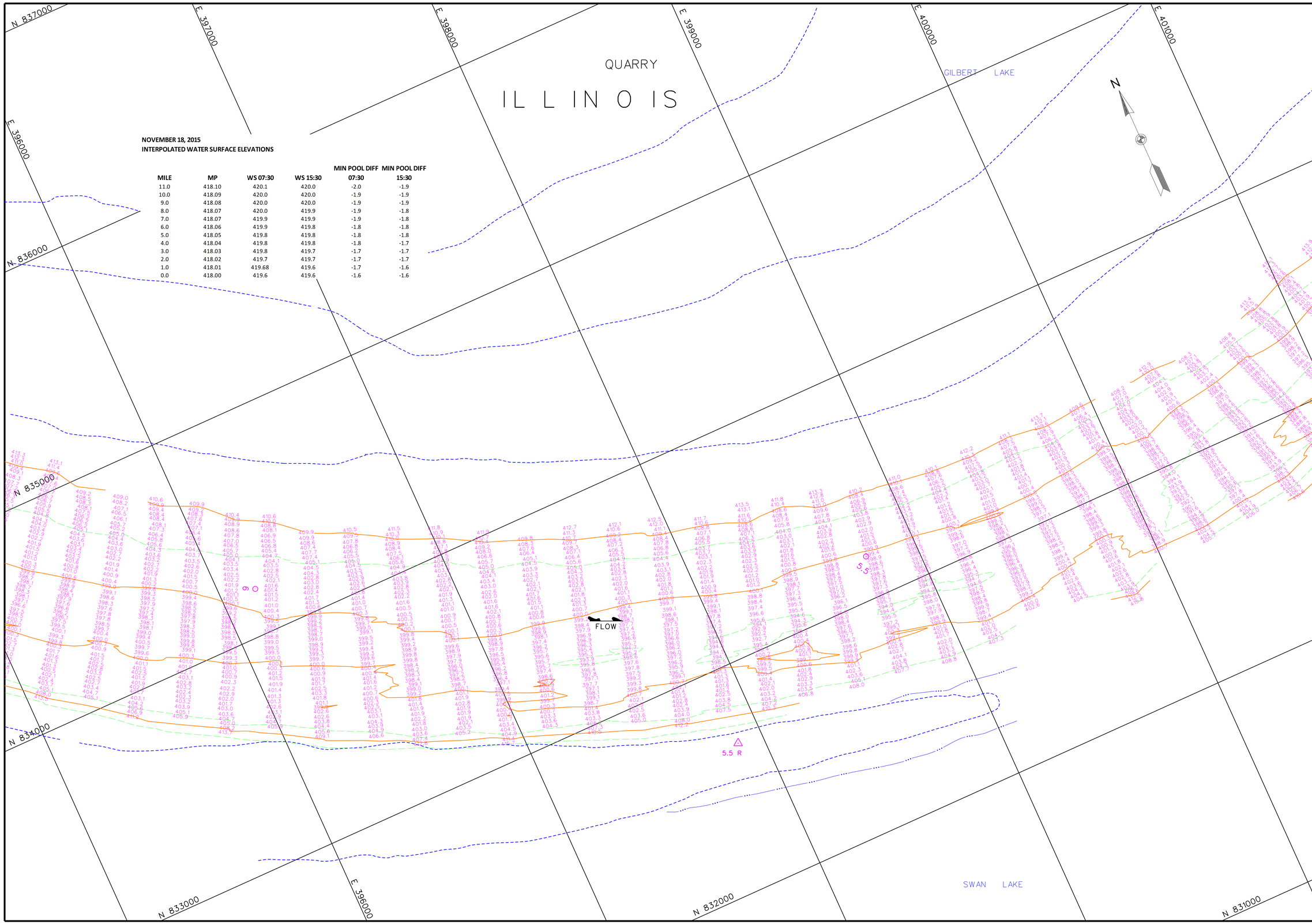
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 60
400 FEET 200 0 200

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF A HYDROGRAPHIC SURVEY PERFORMED ON THE DATES SHOWN AND IS INDICATIVE OF THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER
69



NOVEMBER 18, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 07:30	WS 15:30	MIN POOL DIFF 07:30	MIN POOL DIFF 15:30
11.0	418.10	420.1	420.0	-2.0	-1.9
10.0	418.09	420.0	420.0	-1.9	-1.9
9.0	418.08	420.0	420.0	-1.9	-1.9
8.0	418.07	420.0	419.9	-1.9	-1.8
7.0	418.07	419.9	419.9	-1.9	-1.8
6.0	418.06	419.9	419.8	-1.8	-1.8
5.0	418.05	419.8	419.8	-1.8	-1.8
4.0	418.04	419.8	419.8	-1.8	-1.7
3.0	418.03	419.8	419.7	-1.7	-1.7
2.0	418.02	419.7	419.7	-1.7	-1.7
1.0	418.01	419.68	419.6	-1.7	-1.6
0.0	418.00	419.6	419.6	-1.6	-1.6

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN. POOL		418.2	418.0
DATE	18 NOV 2015	420.5 (07:30) 420.4 (15:30)	419.6 (07:30) 419.6 (15:30)

Survey Date: Nov. 02-23, 2015

SUBMITTED:

Chief, Engr. Data Mngt. Sect.

File name: 080_0004023f5_mp_sht70.dgn
Plot date: December 9, 2015
Plot scale: 1" = 200'

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
APPROVED:
Chief, Geospatial Branch

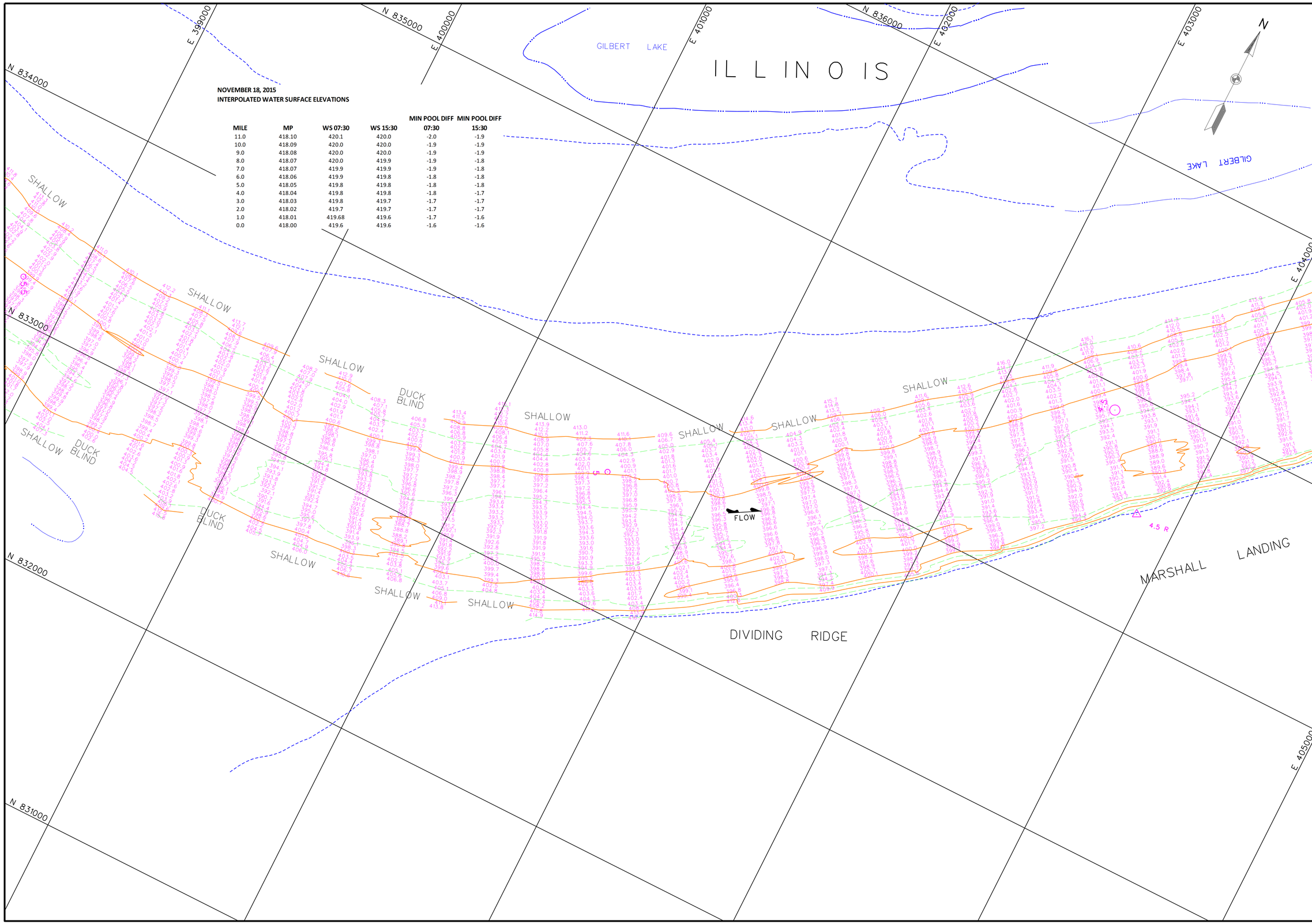
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 200 400 FEET

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SITE INVESTIGATIONS MADE ON THE DATES SHOWN AND IS ACCURATE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
70



NOVEMBER 18, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 07:30	WS 15:30	MIN POOL DIFF 07:30	MIN POOL DIFF 15:30
11.0	418.10	420.1	420.0	-2.0	-1.9
10.0	418.09	420.0	420.0	-1.9	-1.9
9.0	418.08	420.0	420.0	-1.9	-1.9
8.0	418.07	420.0	419.9	-1.9	-1.8
7.0	418.07	419.9	419.9	-1.9	-1.8
6.0	418.06	419.9	419.8	-1.8	-1.8
5.0	418.05	419.8	419.8	-1.8	-1.8
4.0	418.04	419.8	419.8	-1.8	-1.7
3.0	418.03	419.8	419.7	-1.7	-1.7
2.0	418.02	419.7	419.7	-1.7	-1.7
1.0	418.01	419.68	419.6	-1.7	-1.6
0.0	418.00	419.6	419.6	-1.6	-1.6

US Army Corps of Engineers
St. Louis District

GAGE RECORD

WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.	400.0	403.8
MILE	21.5	0.0
MIN. POOL	418.2	418.0
DATE	420.5 (07:30) 420.4 (15:30)	419.6 (07:30) 419.6 (15:30)
18 NOV 2015		

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
Survey Date: Nov. 02-23, 2015
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_0004025_mp_sht71.dgn
Plot Date: Dec. 9, 2015
Plot scale: 1" = 200'
APPROVED:
Chief, Geospatial Branch

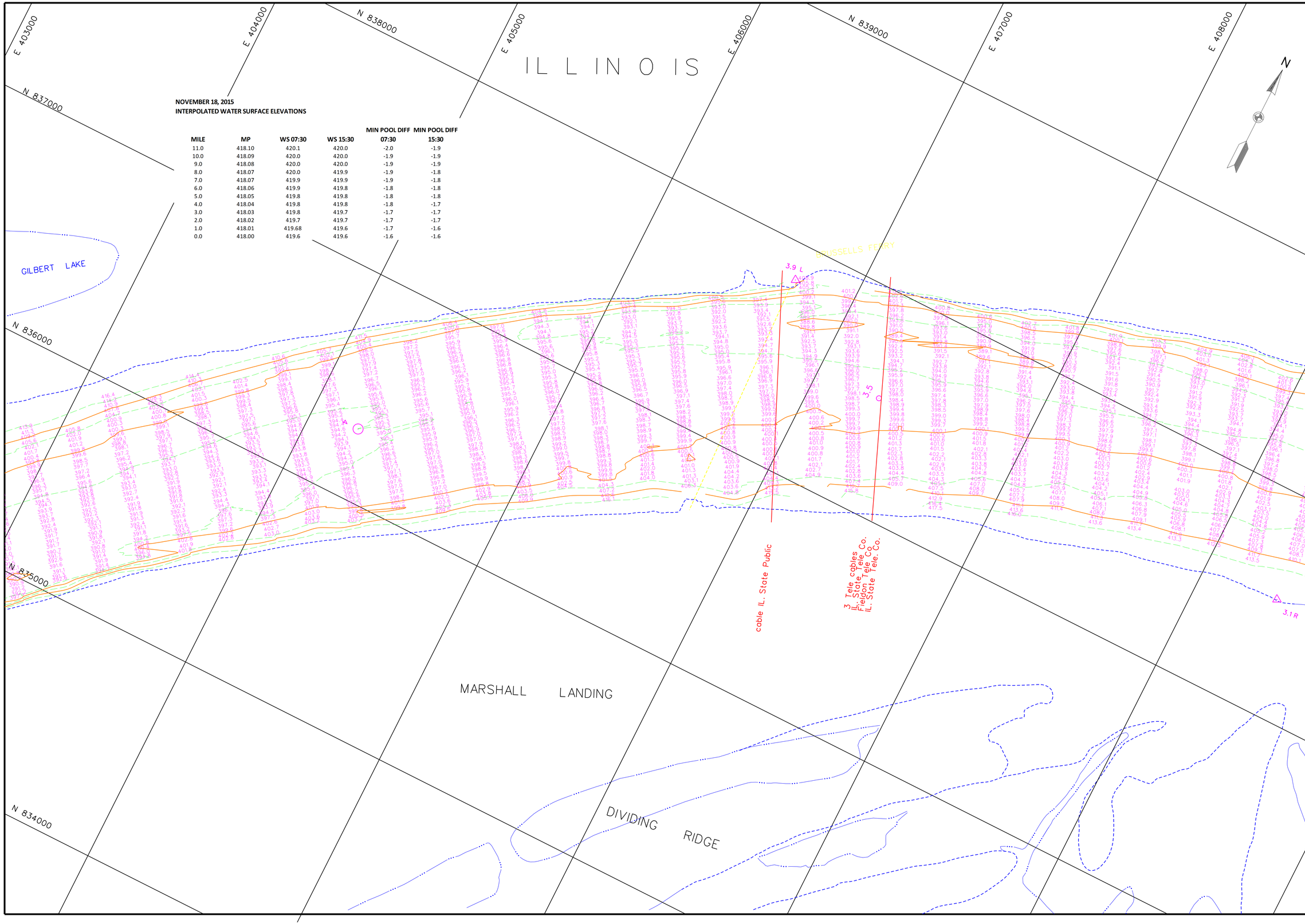
U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 200 400 FEET

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF A HYDROGRAPHIC SURVEY PERFORMED BY THE CORPS OF ENGINEERS AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
71



NOVEMBER 18, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 07:30	WS 15:30	MIN POOL DIFF 07:30	MIN POOL DIFF 15:30
11.0	418.10	420.1	420.0	-2.0	-1.9
10.0	418.09	420.0	420.0	-1.9	-1.9
9.0	418.08	420.0	420.0	-1.9	-1.9
8.0	418.07	420.0	419.9	-1.9	-1.8
7.0	418.07	419.9	419.9	-1.9	-1.8
6.0	418.06	419.9	419.8	-1.8	-1.8
5.0	418.05	419.8	419.8	-1.8	-1.8
4.0	418.04	419.8	419.8	-1.8	-1.7
3.0	418.03	419.8	419.7	-1.7	-1.7
2.0	418.02	419.7	419.7	-1.7	-1.7
1.0	418.01	419.68	419.6	-1.7	-1.6
0.0	418.00	419.6	419.6	-1.6	-1.6

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN. POOL		418.2	418.0
DATE	18 NOV 2015	420.5 (07:30) 420.4 (15:30)	419.6 (07:30) 419.6 (15:30)

Survey Date: Nov. 02-23, 2015

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_0004023b_mp_sht72.dgn
Plot date: Nov. 24, 2015
Plot scale: 1" = 200'
APPROVED:
Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

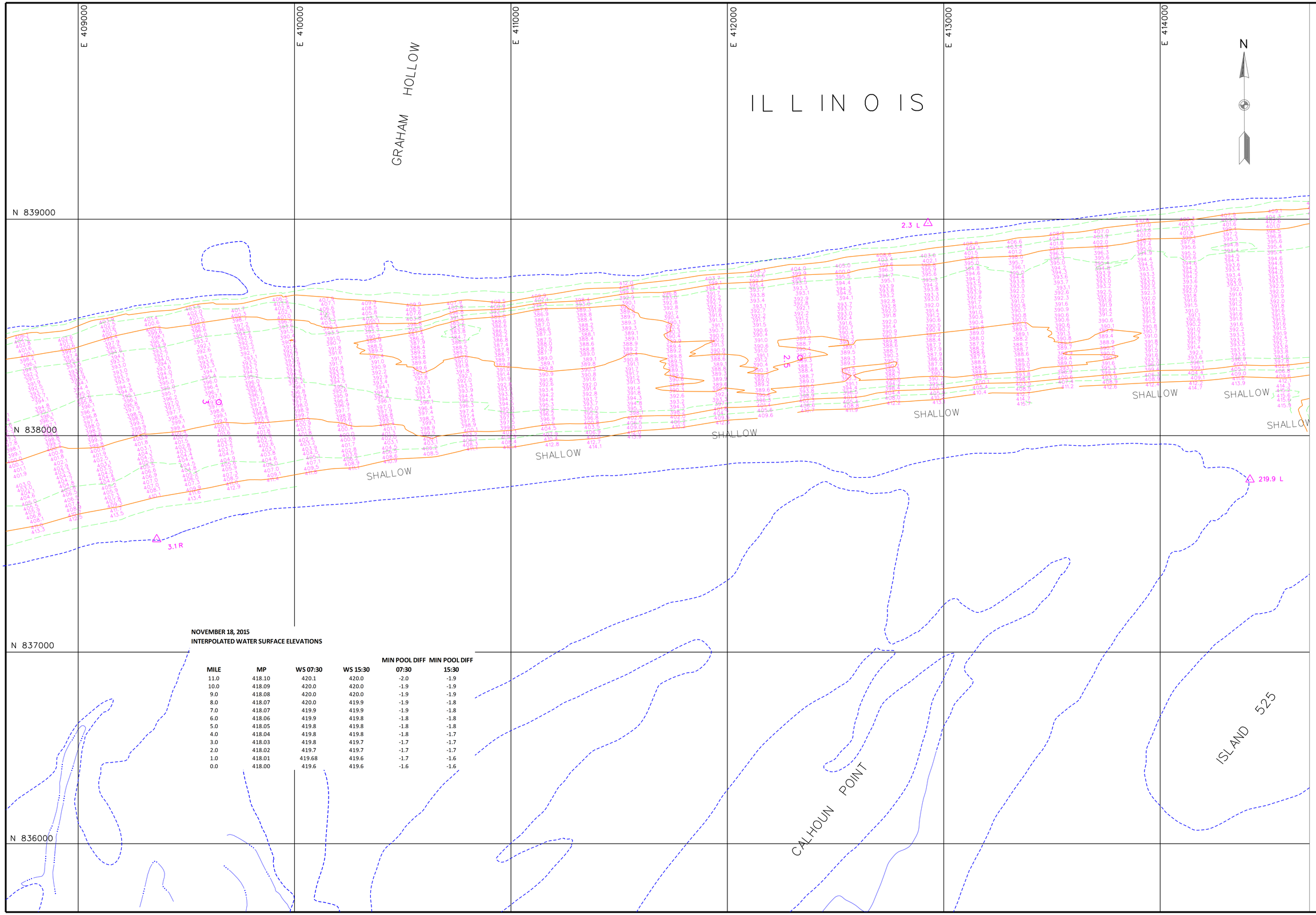
ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 200 400 FEET

THE INFORMATION REPORTED IN THIS MAP REPRESENTS THE RESULTS OF A HYDROGRAPHIC SURVEY PERFORMED ON THE DATES SHOWN AND AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

PLATE NUMBER

72



NOVEMBER 18, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 07:30	WS 15:30	MIN POOL DIFF 07:30	MIN POOL DIFF 15:30
11.0	418.10	420.1	420.0	-2.0	-1.9
10.0	418.09	420.0	420.0	-1.9	-1.9
9.0	418.08	420.0	420.0	-1.9	-1.9
8.0	418.07	420.0	419.9	-1.9	-1.8
7.0	418.07	419.9	419.9	-1.9	-1.8
6.0	418.06	419.9	419.8	-1.8	-1.8
5.0	418.05	419.8	419.8	-1.8	-1.8
4.0	418.04	419.8	419.8	-1.8	-1.7
3.0	418.03	419.8	419.7	-1.7	-1.7
2.0	418.02	419.7	419.7	-1.7	-1.7
1.0	418.01	419.68	419.6	-1.7	-1.6
0.0	418.00	419.6	419.6	-1.6	-1.6

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN. POOL		418.2	418.0
DATE	18 NOV 2015	420.5 (07:30) 420.4 (15:30)	419.6 (07:30) 419.6 (15:30)

Survey Date: Nov. 02-23, 2015

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_0004023b_mp_sht73.dgn
Plot date: Nov. 24, 2015
Plot scale: 1" = 200'
APPROVED:
Chief, GeospatialBranch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

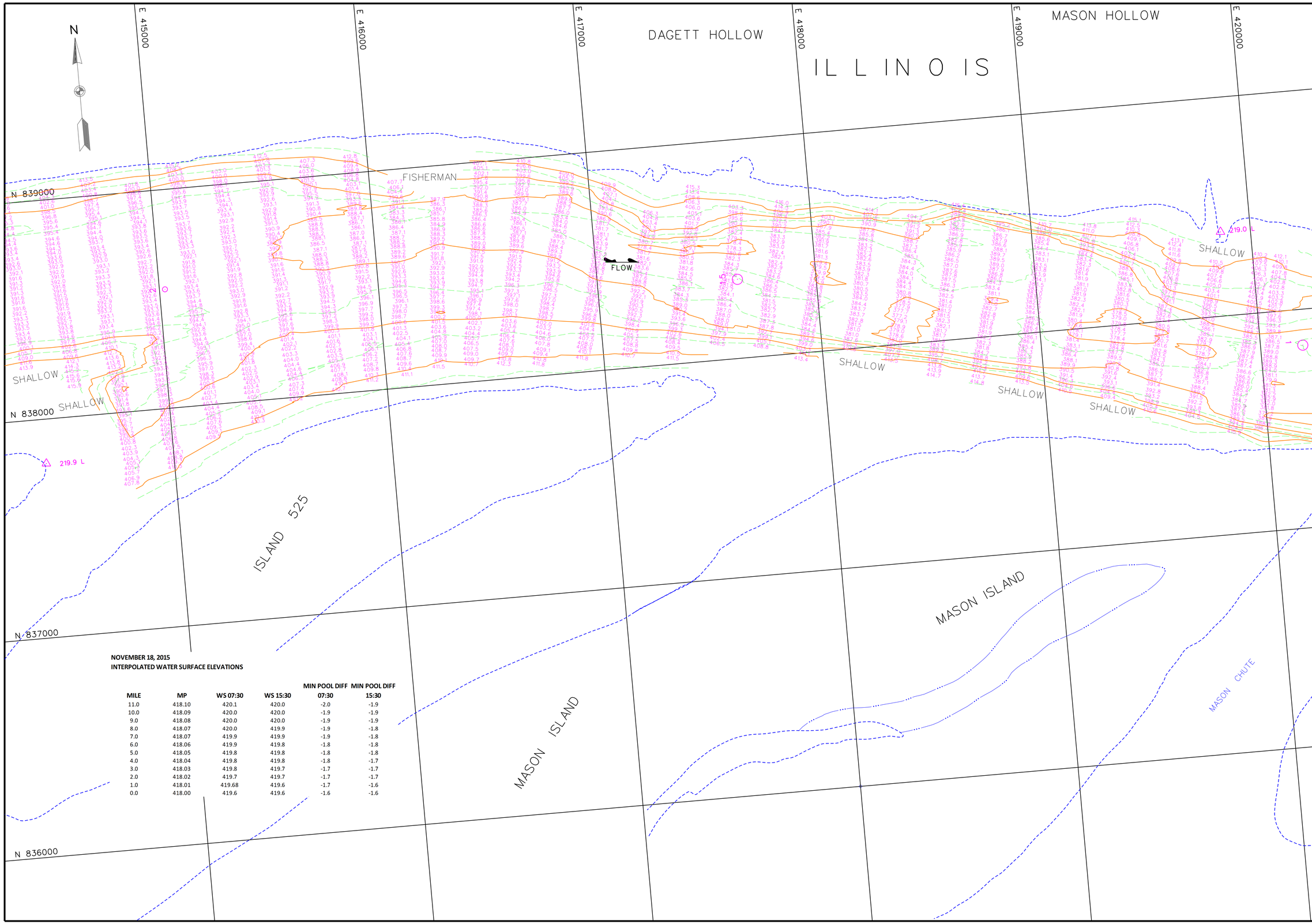
ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS
400 FEET
60
200
0
0
60
200

THE INFORMATION REPORTED ON THIS MAP REPRESENTS THE RESULTS OF SITE INVESTIGATIONS MADE AT THE TIME OF SURVEY AND MAY NOT BE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER

73



NOVEMBER 18, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 07:30	WS 15:30	MIN POOL DIFF 07:30	MIN POOL DIFF 15:30
11.0	418.10	420.1	420.0	-2.0	-1.9
10.0	418.09	420.0	420.0	-1.9	-1.9
9.0	418.08	420.0	420.0	-1.9	-1.9
8.0	418.07	420.0	419.9	-1.9	-1.8
7.0	418.07	419.9	419.9	-1.9	-1.8
6.0	418.06	419.9	419.8	-1.8	-1.8
5.0	418.05	419.8	419.8	-1.8	-1.8
4.0	418.04	419.8	419.8	-1.8	-1.7
3.0	418.03	419.8	419.7	-1.7	-1.7
2.0	418.02	419.7	419.7	-1.7	-1.7
1.0	418.01	419.68	419.6	-1.7	-1.6
0.0	418.00	419.6	419.6	-1.6	-1.6

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN. POOL		418.2	418.0
DATE	18 NOV 2015	420.5 (07:30) 420.4 (15:30)	419.6 (07:30) 419.6 (15:30)

Survey Date: Nov. 02-23, 2015

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
SUBMITTED: Chief, Engr. Data Mngt. Sect.
Reviewed by:
File name: 080_0004025_mp_sht74.dgn
Plot date: Nov. 19, 2015
Plot scale: 1" = 200'
APPROVED: Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

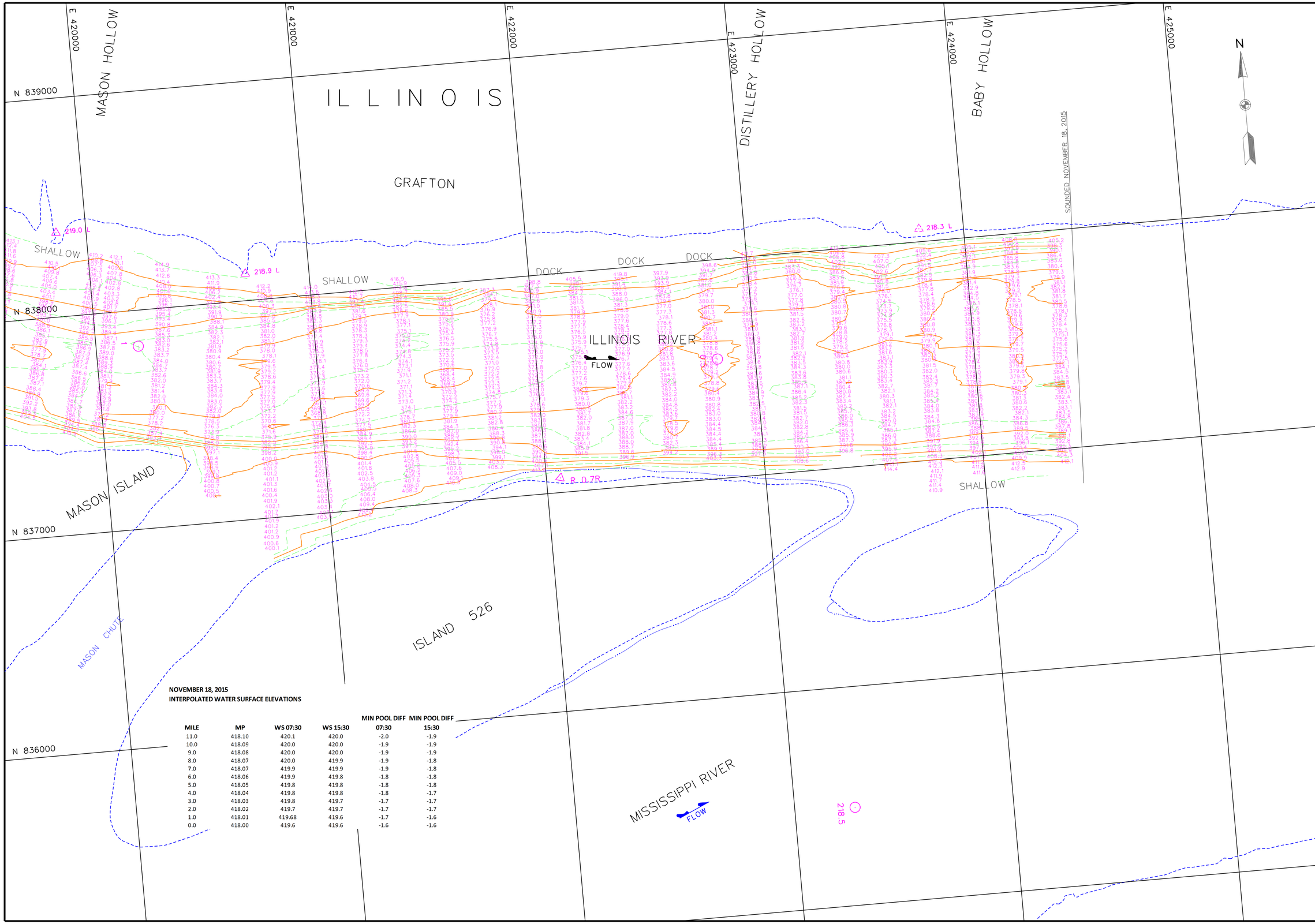
ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 60
400 FEET 200 0 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS PERFORMED ON THE DATES STATED ABOVE AND AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER

74



NOVEMBER 18, 2015
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	MP	WS 07:30	WS 15:30	MIN POOL DIFF 07:30	MIN POOL DIFF 15:30
11.0	418.10	420.1	420.0	-2.0	-1.9
10.0	418.09	420.0	420.0	-1.9	-1.9
9.0	418.08	420.0	420.0	-1.9	-1.9
8.0	418.07	420.0	419.9	-1.9	-1.8
7.0	418.07	419.9	419.9	-1.9	-1.8
6.0	418.06	419.9	419.8	-1.8	-1.8
5.0	418.05	419.8	419.8	-1.8	-1.8
4.0	418.04	419.8	419.8	-1.8	-1.7
3.0	418.03	419.8	419.7	-1.7	-1.7
2.0	418.02	419.7	419.7	-1.7	-1.7
1.0	418.01	419.68	419.6	-1.7	-1.6
0.0	418.00	419.6	419.6	-1.6	-1.6

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	WATER SURFACE	HARDIN	GRAFTON
ZERO N.G.V.D.		400.0	403.8
MILE		21.5	0.0
MIN. POOL		418.2	418.0
DATE	18 NOV 2015	420.5 (07:30) 420.4 (15:30)	419.6 (07:30) 419.6 (15:30)

Survey Date: Nov. 02-23, 2015

Surveyed by: HANSON
Drawn by: JLK
Ckd by: JCL
Reviewed by:
SUBMITTED:
Chief, Engr. Data Mngt. Sect.
File name: 080_0004025_mp_sh75.dgn
Plot date: Nov. 24, 2015
Plot scale: 1" = 200'
APPROVED:
Chief, Geospatial Branch

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST. LOUIS, MISSOURI

ILLINOIS RIVER
HYDROGRAPHIC SURVEY
RIVER MILES 80.0 - 0.0

120 METERS 60 0 60 200
400 FEET 200 0 200

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE SHORELINE AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PLATE NUMBER
75