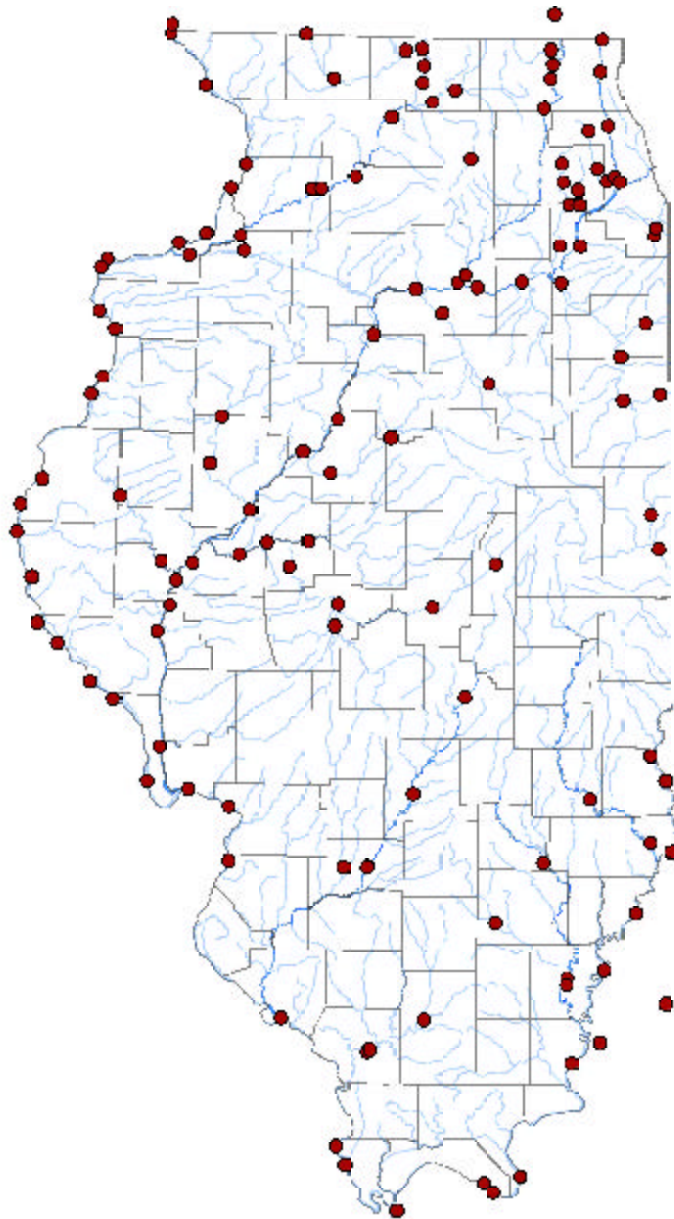




Draft River Stages In Illinois: Flood and Damage Data

August 2009



INTRODUCTION

There are hundreds of river gages that measure the stages of rivers throughout Illinois. These gages range from simple yardsticks, which must be read visually, to sophisticated recording devices which monitor numerous parameters with the data collected being transmitted by telephone or satellite communication link. These gages were set up at various times during the last 100 years. When each was established, an arbitrary starting point or "stage datum" was set up. The height of the river above this starting point was recorded as the river stage. In many cases, a "flood stage" was also established. Typically, this would be the level where the river goes out of its banks.

There are two commonly misunderstood points about river stages. First, there is generally no relation between a river stage for one gage and that for another one on the same river. Second, there is often no correlation between flood stage and actual structural flood damages. Often, especially in a rural area, a river will go out of banks but floods only vacant ground.

This manual is an accumulation of flood information for a small portion of the gages in Illinois. The manual lists the stages of past floods, the dates of occurrence, and damages known to occur. The gages are arranged in this manual alphabetically by river and from upstream to downstream along a river.

Each gage has two or more pages of information. Generally the first page identifies the gage, the general location of the gage on the river along with its river mile, a technical description of location by section, township, and range, a location map, and the drainage area of the watershed at the gage. The river mile reference is related to the distance above the mouth of the river, except for the Mississippi and Ohio rivers. The river mile reference for the Mississippi River is the distance above its confluence with the Ohio River. The Ohio River references distance from Pittsburgh where the river forms. In some cases additional information related to previous floods is included. The second page of information is a graphical representation of floods that have occurred throughout history for the specific gage or historical data that occurred before the gage was established. The right side of the graph represents the height of historical floods and the corresponding date of occurrence and also the flood stage height and datum for the gage. The left side of the graph indicates where damages begin to occur at a specific height or other pertinent data. The STANDARD HYDROLOGIC EXCHANGE FORMAT (SHEF) identification number is shown under the station name and location.

This is the fifth edition of this publication. Previous editions were printed in December 1991, May 1994, July 1998, and August 2004.

Ongoing improvements continue to reduce or eliminate areas from flooding. Since the release of this publication, every effort has been made to verify the information contained under the narrative portion of this document: however, changes may have occurred. If omissions or errors are found, please contact:

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BIG MUDDY RIVER AT PLUMFIELD, ILLINOIS

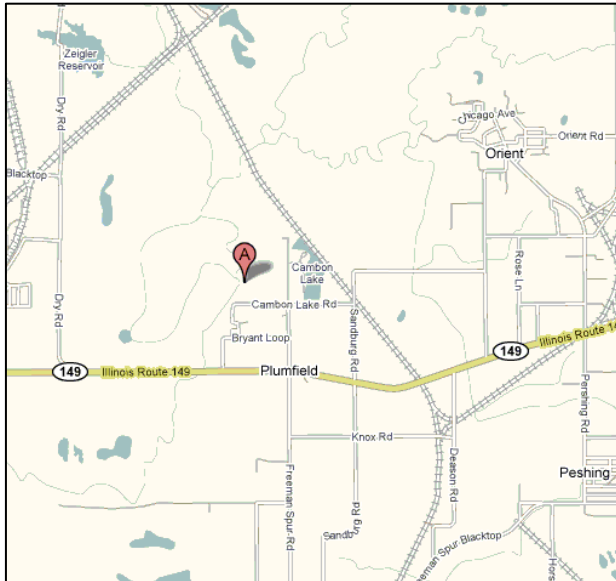
USGS GAGE NUMBER: 05597000

LOCATION: In Franklin County on the left bank 0.8 mile upstream from the Highway 149 bridge at Plumfield, 1.9 miles downstream from Middle Fork Big Muddy River, and at river mile 86.6.

NW 1/4, Sec. 20, Twp. 7S, Rng. 2E.

37°54'05"N, 89°00'50"W NAD27

Drainage Area = 794 mi²



Rend Lake Normal Pool 405'

STAGE

Big Muddy River
Plumfield, IL
PLMI2

NARRATIVE	+ + + + + + + + + + +	HISTORICAL
	-----35-----	
		** 34.67 5/10/1961 (based on current datum)
20 to 25 homes affected @ 34.0 **		** MAJOR FLOOD STAGE 34.0' (NWS)
	-----33-----	
		** 31.84 5/4/1983 ; 31.83 5/1/1996
	-----31-----	
		** 29.86 3/21/2008
		** 29.66 11/19/1993
		** 29.47 5/20/1995
	-----29-----	
		** 28.32 3/7/1979
		** 27.9 3/15/2006
Ziegler oil field equipment damaged @ 27.0 **	-----27-----	
		** 25.72 2/2/1982
Low areas adjacent to river inundated @ 25.0 **	-----25-----	** MODERATE FLOOD STAGE 25.0' (NWS)
		** 24.09 6/20/2000
		** 23.34 1/16/2005
	-----23-----	
		** 21.27 5/29/2004
Minor bottomland flooding @ 20.0 **	-----21-----	** FLOOD STAGE 20.0'

ELEVATION ZERO: 353.24
NGVD 1929

BIG MUDDY RIVER AT MURPHYSBORO, ILLINOIS

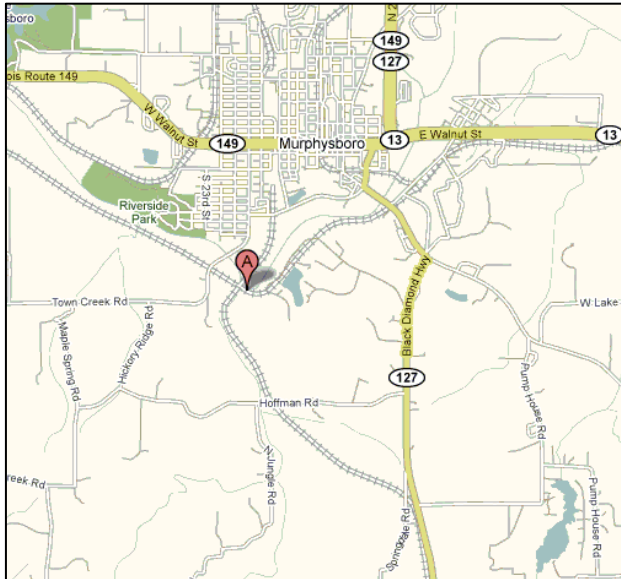
USGS GAGE NUMBER: 05599500

LOCATION: In Jackson County, on the left bank just upstream from Lewis Creek, 0.2 mile upstream of South Twentieth Street Bridge, at Murphysboro, and at river mile 36.0.

SE 1/4, Sec. 8, Twp. 9S, Rng. 2W.

37°44'53"N, 89°20'48"W NAD83

Drainage Area = 2169 mi²



STAGE

Big Muddy River
Murphysboro, IL
MURI2

NARRATIVE	STAGE	HISTORICAL
Murphysboro sewage treatment plant lift station flooded @ 38.0 Damage may begin to houses near Shoemaker Dr in Murphysboro @ 37.0	** 37.77 ** 36.85 ** 36.33 ** MAJOR FLOOD STAGE 36.0' (NWS)	5/11/1961 5/5/1983 5/2/1996 ; 36.29 3/22/2008
	** 34.46	11/18/1993 ; 34.48 5/21/1995
	** 34.0	3/6/1979
	** 33.8	3/16/2006
	** 33.39	4/3/1985
	** 32.53	5/25/1974
Town Creek Road near bridge over Big Muddy River closed @ 32.0	** 31.78	4/1/1977
	** 30.9	3/17/1978
	** 28.78	6/22/2000
	** MODERATE FLOOD STAGE 28.0' (NWS)	
	** 27.29	4/20/1998
	** 26.30	1/18/2005
	** FLOOD STAGE 22.0	

ELEVATION ZERO: 335.50
NGVD 1929

DES PLAINES RIVER AT RUSSELL ROAD, ILLINOIS

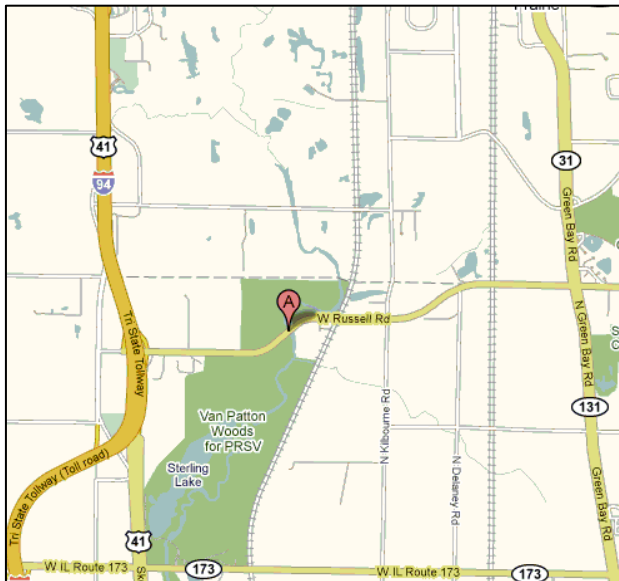
USGS GAGE NUMBER: 05527800

LOCATION: In Lake County, on the right bank just upstream of Russell Road bridge, 0.3 mile west of Russell, 7.2 miles upstream from Mill Creek, and at river mile 109.3.

SE 1/4, Sec. 3, Twp. 46N, Rng. 11E

42°29'21"N, 87°55'35"W NAD27

Drainage Area = 123 mi²

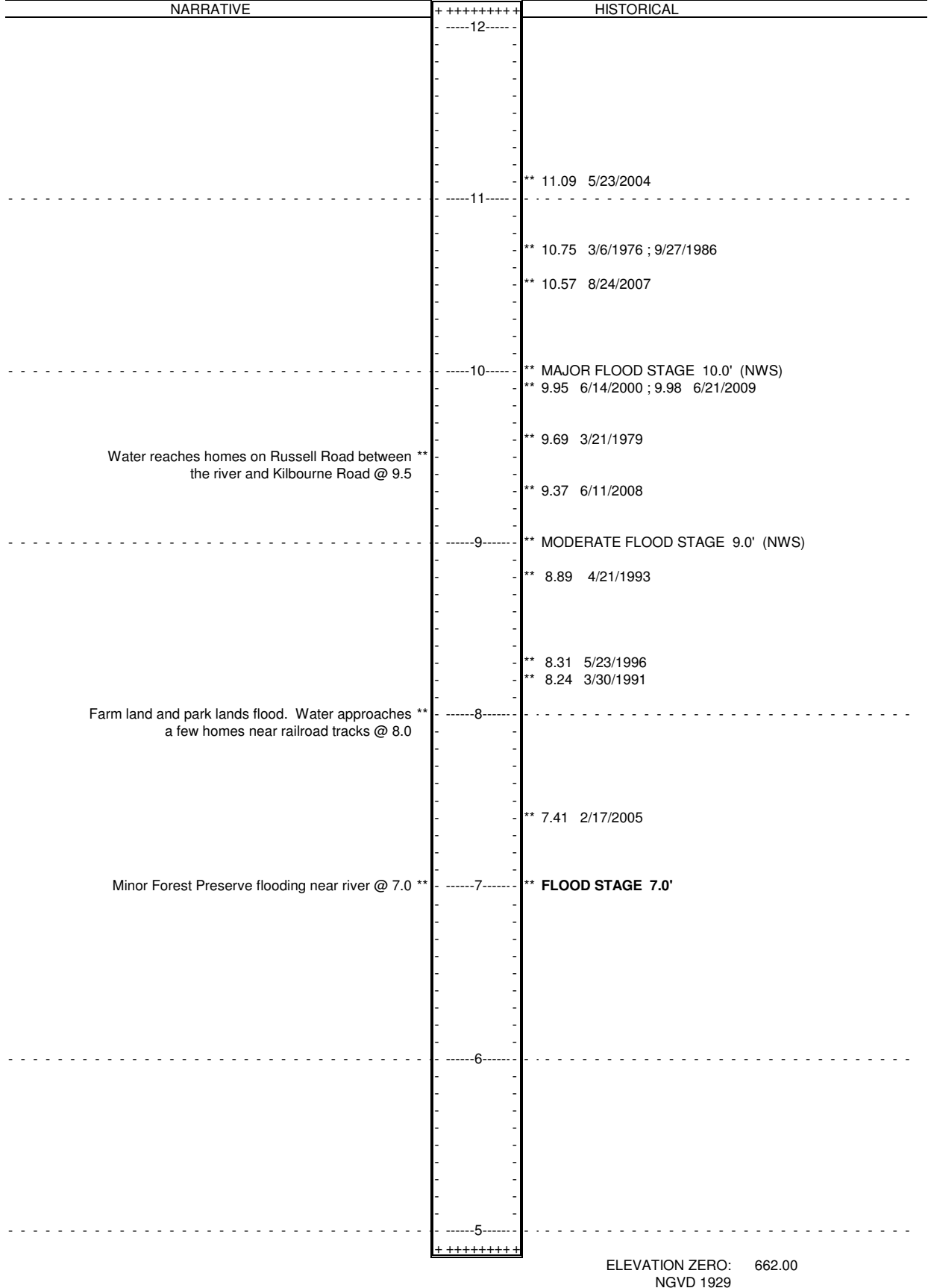


STAGE

Des Plaines River
Russell Road, IL
RUSI2

NARRATIVE

HISTORICAL



ELEVATION ZERO: 662.00
NGVD 1929

DES PLAINES RIVER NEAR GURNEE, ILLINOIS

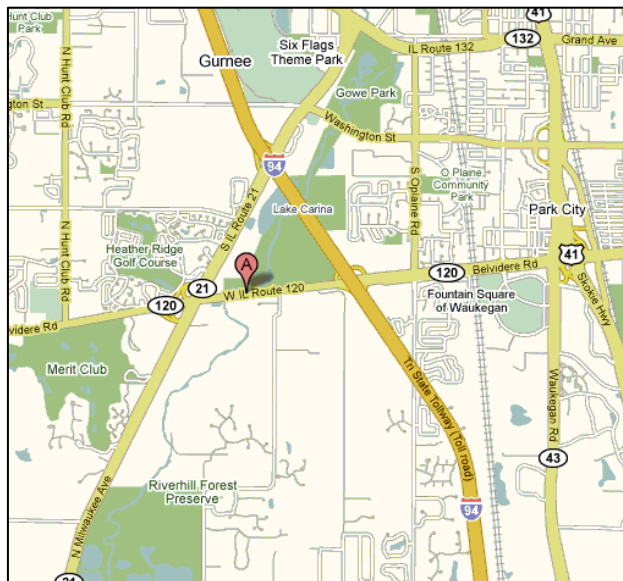
USGS GAGE NUMBER: 05528000

LOCATION: In Lake County, on the left bank 800 ft. upstream of the State Highway 120 bridge, 2.5 miles southwest of Gurnee, and at river mile 94.2.

SW 1/4, Sec. 27, Twp. 45N, Rng. 11E

42°20'39"N, 87°56'18"W NAD83

Drainage Area = 232 mi²



STAGE

Des Plaines River
Gurnee, IL
GURI2

NARRATIVE	STAGE	HISTORICAL
Instrument shelf in gage house @ 12.50 **	-----12-----	** 11.95 9/27/1986
		** 11.76 5/25/2004
Road at gage site floods @ 11.0 **	-----11-----	** MAJOR FLOOD STAGE 11.0' (NWS)
		** 10.64 4/3/1960
Wellhouse floor @ 10.20 **		** 10.3 3/22/1979 ; 6/16/2000
Rt 132 & Old Grand Ave inundated. Fire & police Dept displaced. Post office substation on Old Grand Ave closed @ 10.0	-----10-----	** 9.90 4/22/1993
		** 9.84 3/7/1976 ; 9.85 8/25/2007
		** 9.37 6/23/2009
Water approaches some homes and school property in Gurnee @ 9.0	-----9-----	** 9.07 3/06/1974 ; 9.02 4/2/2008
		** MODERATE FLOOD STAGE 9.0' (NWS)
		** 8.6 12/8/1982
		** 8.2 3/21/1982
Roadside bank of river at gage overflows @ 8.0 **	-----8-----	
		** 7.81 3/31/1991
		** 7.76 2/1/1988
		** 7.37 4/19/1987
Floods affect lowest areas near river @ 7.00 **	-----7-----	** FLOOD STAGE 7.0'
	-----6-----	
	-----5-----	

ELEVATION ZERO: 650.30
NGVD 1929

DES PLAINES RIVER NEAR DES PLAINES, ILLINOIS

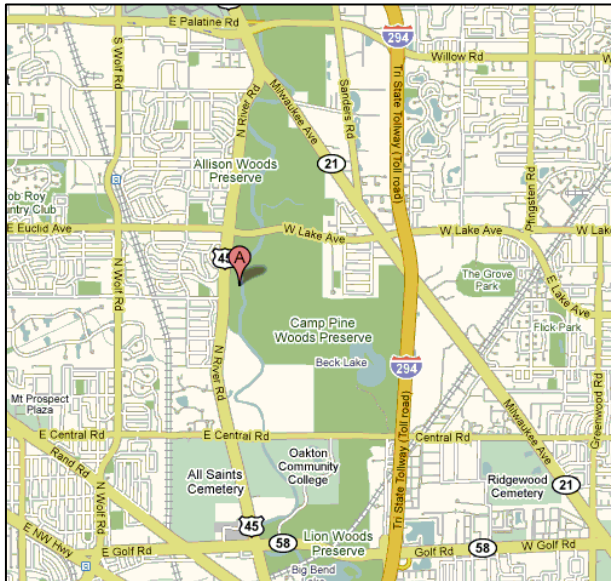
USGS GAGE NUMBER: 05529000

LOCATION: In Cook County, on the right bank 50 ft. upstream from Dam No. 2 of the Cook County Forest Preserve, 0.3 mile downstream from Lake Avenue Bridge, 1.2 miles upstream from Central Road Bridge, 2.5 miles north of Des Plaines, and at river mile 69.3.

SE 1/4, Sec. 25, Twp. 42N, Rng 11E

42°04'54"N, 87°53'26"W NAD83

Drainage Area = 360 mi²



2008 FLOOD INFORMATION

The River crested at 10.0' on September 14, 2008. In the city of Des Plaines, 100 homes were evacuated and overall 2500 structures were impacted. River Rd and Rand Rd were closed due to flooding.

In Mt. Prospect River Rd was closed.

DES PLAINES RIVER AT RIVERSIDE, ILLINOIS

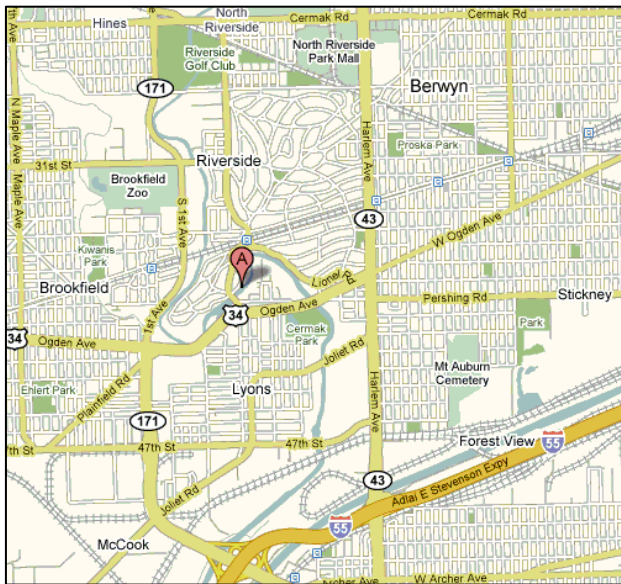
USGS GAGE NUMBER: 05532500

LOCATION: In Cook County, on the left bank 400 ft. downstream from the bridge on Barry Point Road in Riverside, 500 ft. downstream from Hoffman Dam, 4,000 ft. downstream from Salt Creek, and at river mile 44.3.

SW 1/4, Sec. 36, Twp. 39N, Rng. 12E

41°49'20"N, 87°49'15"W NAD27

Drainage Area = 630 mi²



2008 FLOOD INFORMATION

The River crested at 9.86' on September 15, 2008. In Riverside, 400 residents were removed from their homes.

Grand Ave, North Ave, First Ave, Thatcher Ave, and River Rd were closed in River Grove.

In River Forest, Millpoint Park (a mobile home park) was flooded as were Chicago Ave, North Ave, and Lake St.

DUPAGE RIVER AT SHOREWOOD, ILLINOIS

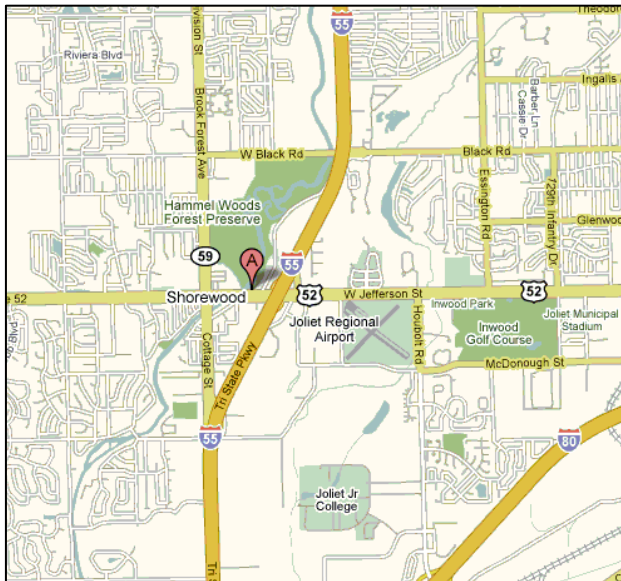
USGS GAGE NUMBER: 05540500

LOCATION: In Will County, on the left bank 400 ft. upstream from the U.S. Highway 52 bridge at Shorewood, 3.8 miles downstream from Lily Cache Creek, and at river mile 10.6.

SW 1/4, Sec. 10, Twp. 35N, Rng. 9E

41°31'20"N, 88°11'33"W NAD27

Drainage Area = 324 mi²



2008 FLOOD INFORMATION

In Will County, damage was reported in Plainfield, Shorewood, Troy Twp., Channahon Twp., Frankfort Twp., and Wilmington Twp.

In Plainfield, River Rd, Rolf Rd, and Plainfield Twp. Rd flooded.

1996 FLOOD INFORMATION

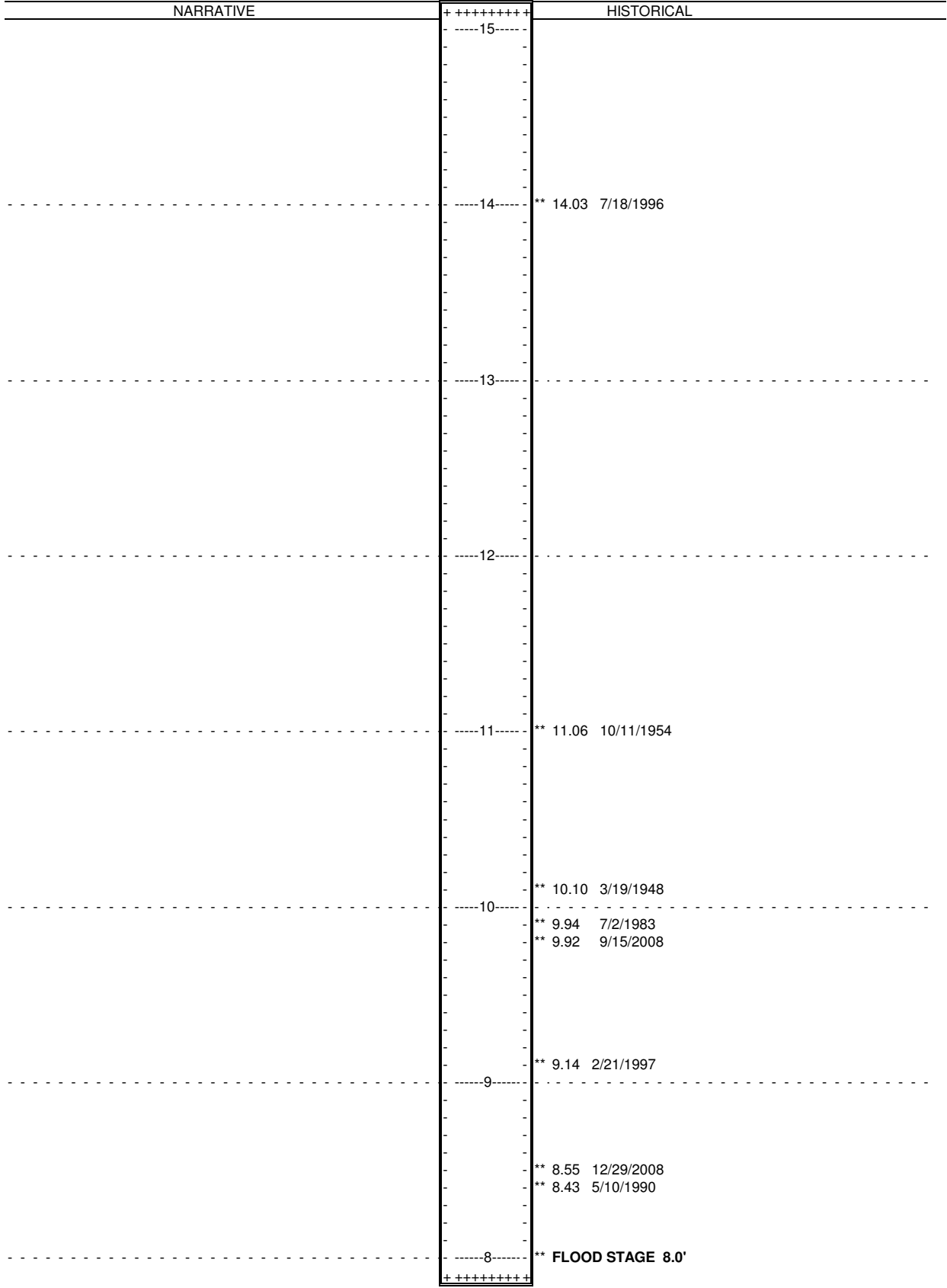
Interstate 55 was inundated at two locations. Site 1 was near the I&M Canal crossing just south of Interstate 80. Site 2 was between Caton Farm Road and Black Road. The water was over the pavement by 1.0 feet and 3.0 feet, respectively.

STAGE

DuPage River
Shorewood, IL
SORI2

NARRATIVE

HISTORICAL



ELEVATION ZERO: 564.62
NGVD 1929

EAST BRANCH DUPAGE RIVER AT BOLINGBROOK, ILLINOIS

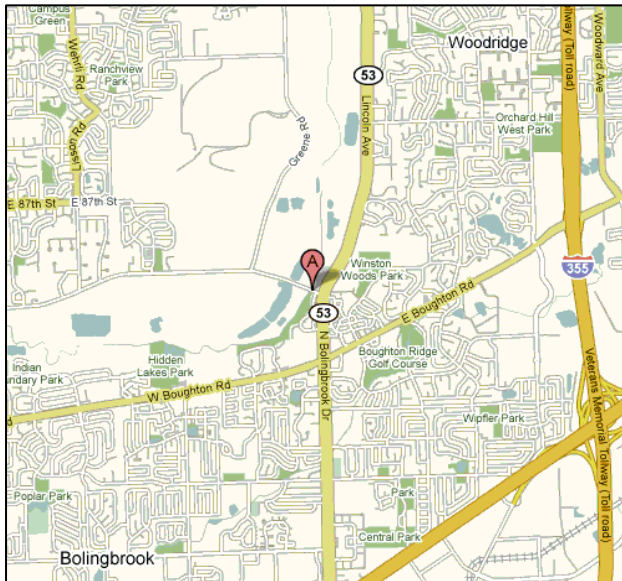
USGS GAGE NUMBER: 05540250

LOCATION: In Du Page County, on the downstream side of the bridge on Royce Road, 0.5 miles north of Bolingbrook, 4.8 miles northwest of Lemont, and at river mile 6.0.

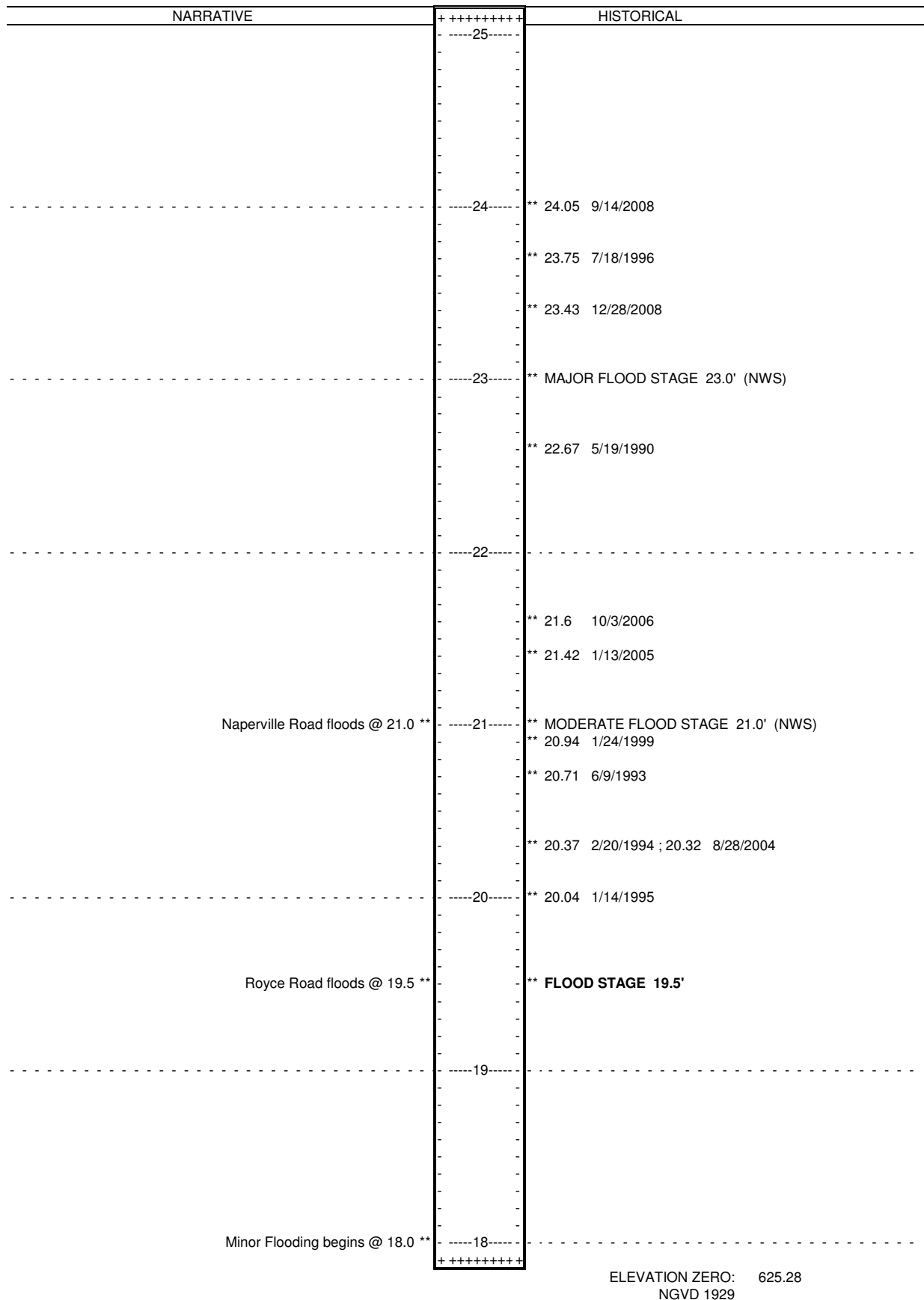
SE 1/4, Sec. 3, Twp. 37N, Rng. 10E

41°43'05"N, 88°04'14"W NAD83

Drainage Area = 75.8 mi²



STAGE East Branch DuPage River
Bolingbrook, IL



ELEVATION ZERO: 625.28
NGVD 1929

EAST BRANCH DUPAGE RIVER AT LISLE, ILLINOIS

USGS GAGE NUMBER: NONE*

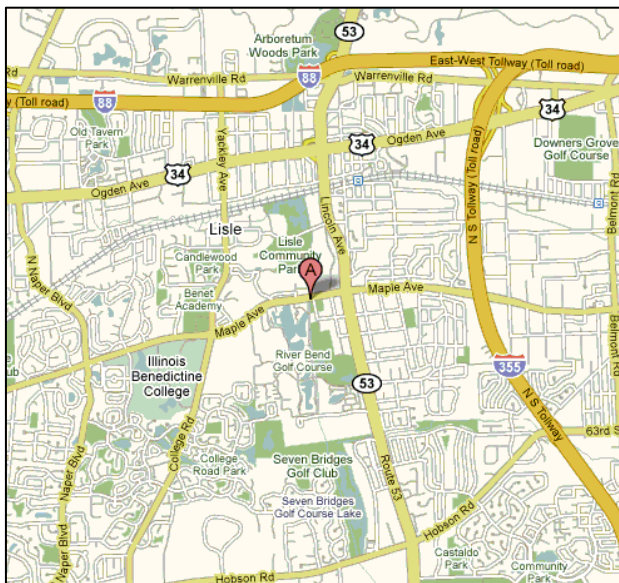
LOCATION: In Du Page County, in Lisle at the bridge on Maple Avenue, 1.1 mile downstream from St. Joseph Creek, 0.7 mile downstream from the Burlington Northern Santa Fe Railway bridge, and at river mile 10.8.

NE 1/4, Sec. 15, Twp. 38N, Rng. 10E

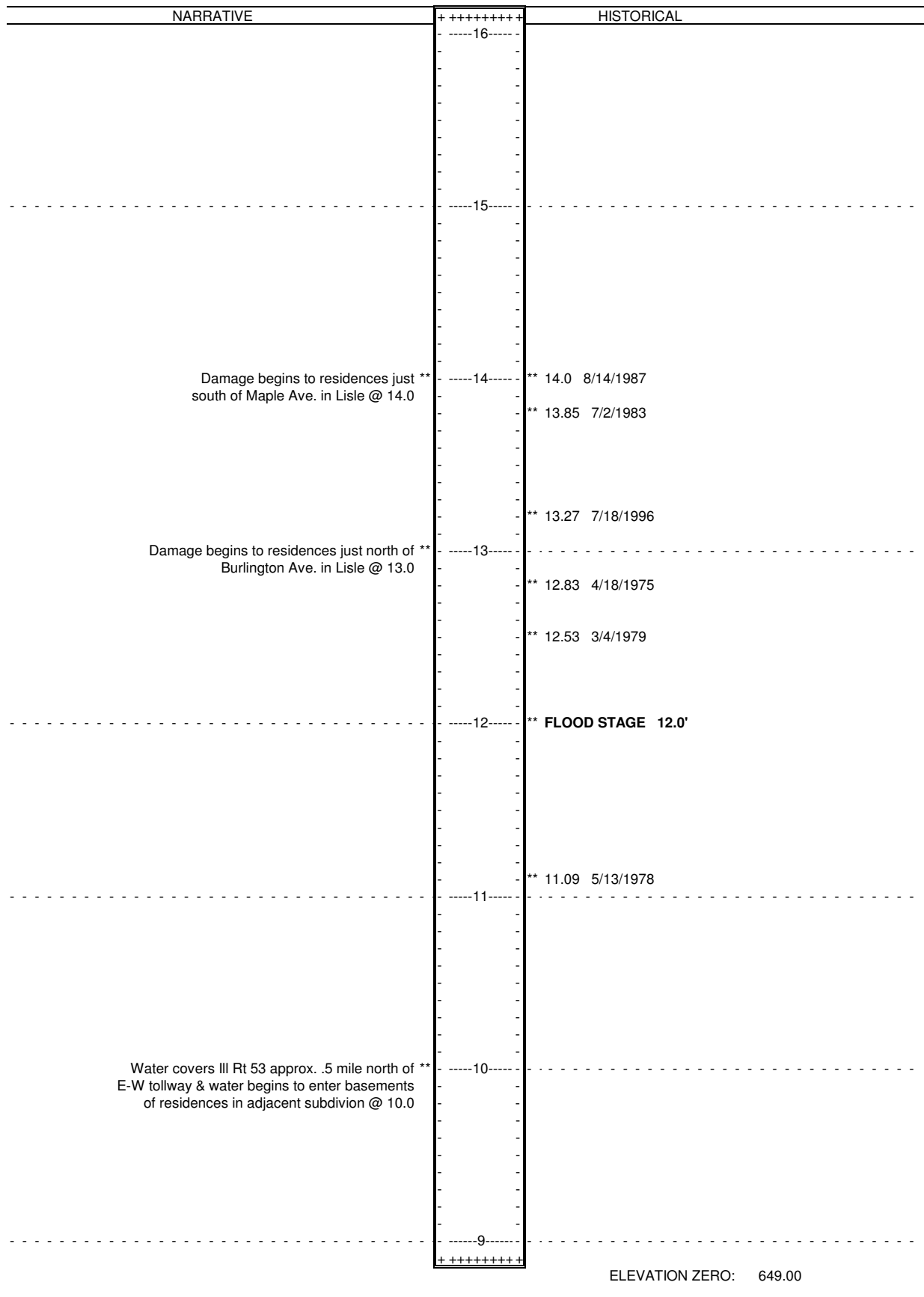
41°47'48"N, 88°04'45"W

Drainage Area = 58.3 mi²

* Data regarding flood stages are based upon a gage operated by the IDNR/Office of Water Resources.



STAGE East Branch DuPage River
Lisle, IL



ELEVATION ZERO: 649.00

EMBARRAS RIVER AT STE. MARIE, ILLINOIS

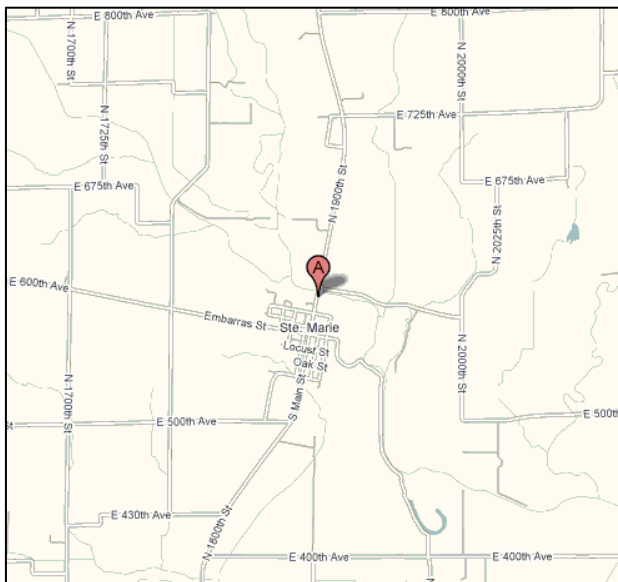
USGS GAGE NUMBER: 03345500

LOCATION: In Jasper County, on the right bank at the upstream side of the bridge on County Highway 9 at Ste. Marie, and at river mile 48.2.

NW 1/4, Sec. 30, Twp. 6N, Rng. 14W

38°56'11"N, 88°01'21"W NAD27

Drainage Area = 1,516 mi²



2008 FLOOD INFORMATION

The River crested at 28.01' on June 7, 2008 setting a new record.

The Ste. Marie levee breached in one known location and the Captain Pond levee breached in four known locations.

STAGE

Embarras River
Ste. Marie, IL
STMI2

NARRATIVE	+ + + + + + + + + + +	HISTORICAL
Ste. Marie and Captain Pond levees overtopped @ 27.0 **	-----27-----	** 28.01 6/7/2008 ** MAJOR FLOOD STAGE 27.0' (NWS)
		** 26.54 6/30/1957 ** 26.28 5/13/2002
		** 25.95 1/4/1950
	-----25-----	** 25.17 5/9/1996 ** 24.88 1/6/2005
Residents begin monitoring levees @ 24.0 **		
		** 23.63 5/19/1995 ** 23.53 12/31/1990 ** 23.38 5/18/1990
	-----23-----	** 23.07 3/5/1979
		** 22.75 11/14/1993 ** 22.48 6/1/1974 ** 22.23 11/21/1985
		** 21.43 3/1/1997 ; 21.54 2/3/1988
Private agricultural levees threatened @ 21.0 **	-----21-----	** 20.86 1/6/2004 ; 20.85 3/22/1978
		** MODERATE FLOOD STAGE 20.0' (NWS)
County Hwy 9 inundated between Ste.Marie & Willow Hill @ 19.0	-----19-----	** FLOOD STAGE 19.0'
	-----17-----	
Secondary road on east bank downstream of gage inundated in low spots @ 16.0		
	-----15-----	
	-----13-----	
	+ + + + + + + + + + +	

ELEVATION ZERO: 445.75
NGVD 1929

EMBARRAS RIVER AT LAWRENCEVILLE, ILLINOIS

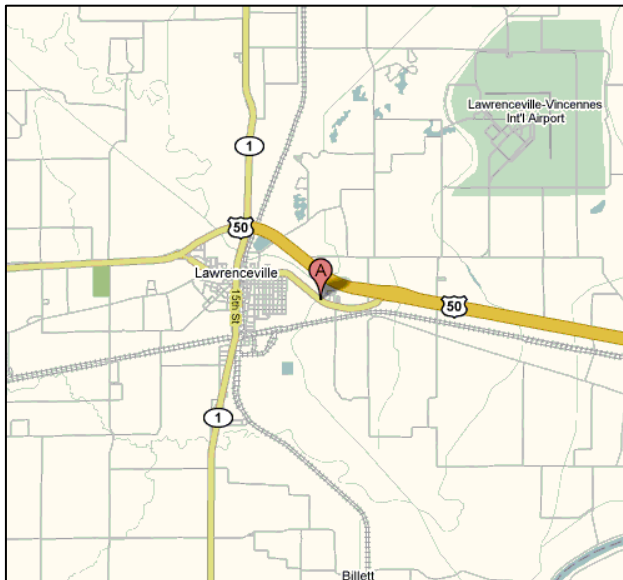
USGS GAGE NUMBER: 03346500

LOCATION: In Lawrence County on the left bank just downstream of the U.S. Business Route 50 bridge in Lawrenceville, and at river mile 6.7.

SW 1/4, Sec. 5, Twp. 3N, Rng. 11W

38°43'25"N, 87°39'52"W NAD83

Drainage Area = 2,333 mi²



2008 FLOOD INFORMATION

The River crested at 42.32' on June 10, 2008 setting a new record.

The Beaver Pond levee failed on the evening of June 9, 2008 and the North levee failed in the early morning hours of June 10, 2008.

STAGE

Embarras River
Lawrenceville, IL
LAWI2

NARRATIVE	STAGE	HISTORICAL
Water overtops some levees in the area @ 47.0 **	+ + + + + + + + + + -----46-----	
4th Street in Lawrenceville inundated, 11-12 families must be evacuated @ 44.0	-----44-----	
Old US Rte 50 is inundated from 3 miles west of Vincennes @ 43.0	-----43-----	
-----	-----42-----	** 42.32 6/10/2008
4th Street flooded between State & Jefferson. 3rd St completely flooded @ 41.3	-----41-----	** 41.34 5/16/2002 MAJOR FLOOD STAGE 41.0' (NWS)
	-----40-----	** 40.73 1/8/2005
VA bldng N of State St @ 40.2 ** Lawrenceville 10th St & parts 3rd inundated @ 40.0 **	-----40-----	-----
-----	-----38-----	-----
Road across Poteet Bridge inundated isolating houses in area @ 37.0	-----37-----	** MODERATE FLOOD STAGE 37.0' (NWS)
Billett-Vincennes river road inundated @ 36.0 **	-----36-----	-----
	-----35-----	** 35.21 1/09/2004
-----	-----34-----	-----
Lumber Mill Road inundated @ 33.0 **	-----33-----	-----
	-----32-----	** 32.53 5/12/2003
Minor agricultural flooding begins @ 30.0 **	-----30-----	** FLOOD STAGE 30.0'
	+ + + + + + + + + +	ELEVATION ZERO: 382.24 NGVD 1929

FOX RIVER NEAR NEW MUNSTER, WISCONSIN

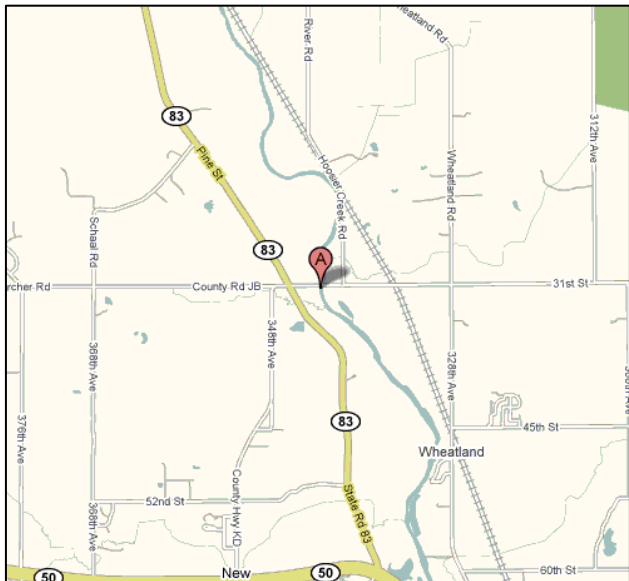
USGS GAGE NUMBER: 05545750

LOCATION: In Kenosha County, 2.2 miles north of New Munster, WI on the right bank 40 ft. downstream from bridge on County Trunk JB and 17 miles upstream of Fox Chain of Lakes.

NW 1/4, Sec. 26, Twp. 2N, Rng. 19E

42°36'39"N, 88°13'33"W NAD27

Drainage Area = 811 mi²



STAGE

Fox River
New Munster, WI
NMSW3

NARRATIVE	STAGE	HISTORICAL
	-----16-----	
		7520 cfs 3/21/1960, stage unknown
		** 15.5 3/31/1960 est.
	-----15-----	
		** 14.1 2/21/1994 ice
	-----14-----	** 14.0 3/27/1979 est. MAJOR STAGE (NWS)
		** 13.72 5/24/2004
		** 13.67 6/15/1999
	-----13-----	** 13.0 10/2/1986 est. MODERATE STAGE (NWS)
		** 12.76 6/2/2000
		** 12.6 12/4/1982 est.
		** 12.30 4/25/1999
	-----12-----	** 12.15 6/19/1996
		** 11.50 6/5/2002
		** 11.37 2/20/1997
	-----11-----	** 11.0 2/1/1988 est.
		** 10.43 4/28/1995
		** 10.34 4/10/1998
	-----10-----	** FLOOD STAGE 10.0'
	-----9-----	Normal Stage 6-7 ft
	+++++++	

Damage begins to low lying residences
along the Fox Chain @ 10.5

Estimates of Stages for events prior to October 1993
are from the gage's previous location at Wilmot, WI.
The datum was 735.22' - NGVD 29

ELEVATION ZERO: 735.72
NGVD 1929

FOX RIVER AT JOHNSBURG, ILLINOIS

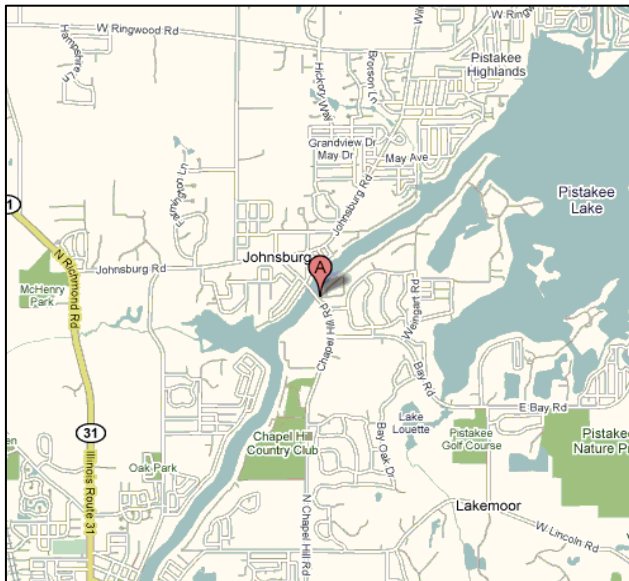
USGS GAGE NUMBER: 05548500

LOCATION: In McHenry County, on the left bank at the upstream side of bridge on Chapel Hill Road in Johnsburg, 5.5 miles upstream from Stratton Lock & Dam, and at river mile 103.0.

SW 1/4, Sec. 18, Twp. 45N, Rng. 9E

42°22'34"N, 88°14'11"W NAD83

Drainage Area = 1,205 mi²

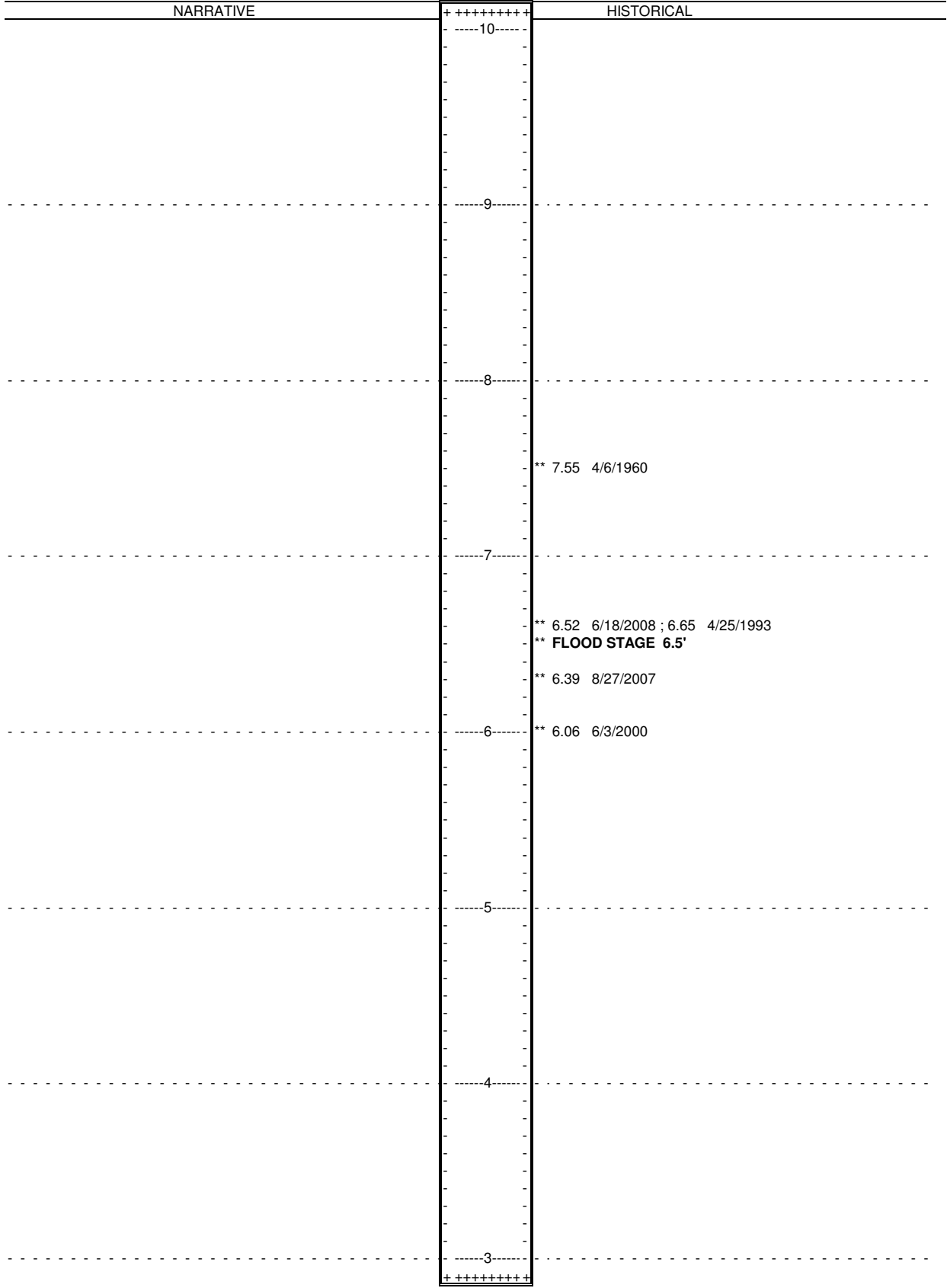


STAGE

Fox River
Johnsburg, IL

NARRATIVE

HISTORICAL



** 7.55 4/6/1960

** 6.52 6/18/2008 ; 6.65 4/25/1993
**** FLOOD STAGE 6.5'**

** 6.39 8/27/2007

** 6.06 6/3/2000

ELEVATION ZERO: 733.00
NGVD 1929

FOX RIVER AT STRATTON LOCK AND DAM POOL NEAR MCHENRY, ILLINOIS

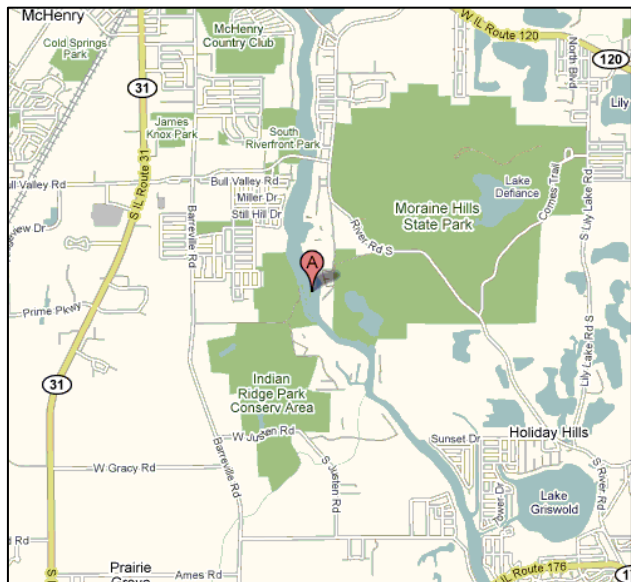
USGS GAGE NUMBER: 05549500

LOCATION: In McHenry County, on the right bank of main channel 300 ft. upstream from Stratton Lock & Dam, 2.5 miles downstream from McHenry, and at river mile 97.8.

NW 1/4, Sec. 12, Twp. 44N, Rng. 8E

42°18'36"N, 88°15'05"W NAD27

Drainage Area = 1,250 mi²



STAGE

Fox River
McHenry Pool
MCH12

NARRATIVE

HISTORICAL



Damage begins to low lying residences
along Orchard Beach Rd, Riverdale Dr,
Bayview Dr and River Terrace @ 5.5 **

** 6.36 4/5/1960

** 6.04 10/2/1986

** 5.96 4/2/1979

** FLOOD STAGE 5.5'

** 5.34 4/24/1993

** 4.92 6/17/2000

** 4.81 8/27/2007 ; 4.82 6/18/2008

** 4.64 7/19/1996

** 4.47 8/17/1995

** 4.17 5/24/1988

ELEVATION ZERO: 733.00
NGVD 1929

FOX RIVER AT STRATTON LOCK AND DAM TAILWATER NEAR MCHENRY, ILLINOIS

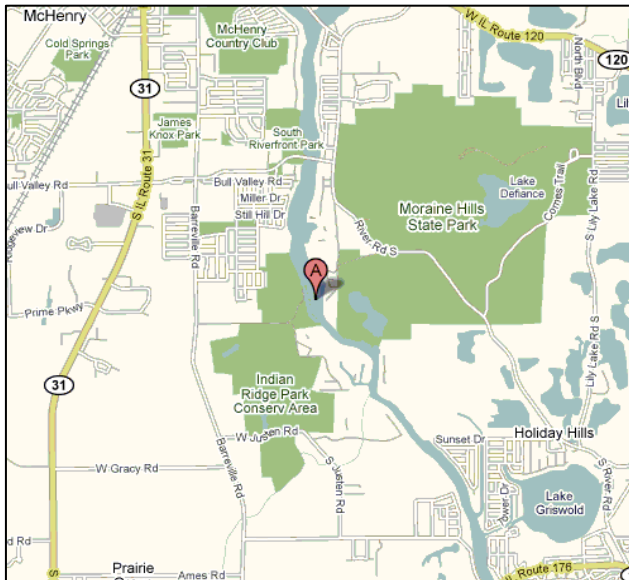
USGS GAGE NUMBER: 05549501

LOCATION: In McHenry County, at the downstream end of the island between the spillway and gate sections of the channel, about 2.6 miles downstream of McHenry, and at river mile 97.8.

NW 1/4, Sec. 12, Twp. 44N, Rng. 8E

42°18'33"N, 88°15'05"W NAD27

Drainage Area = 1,250 mi²

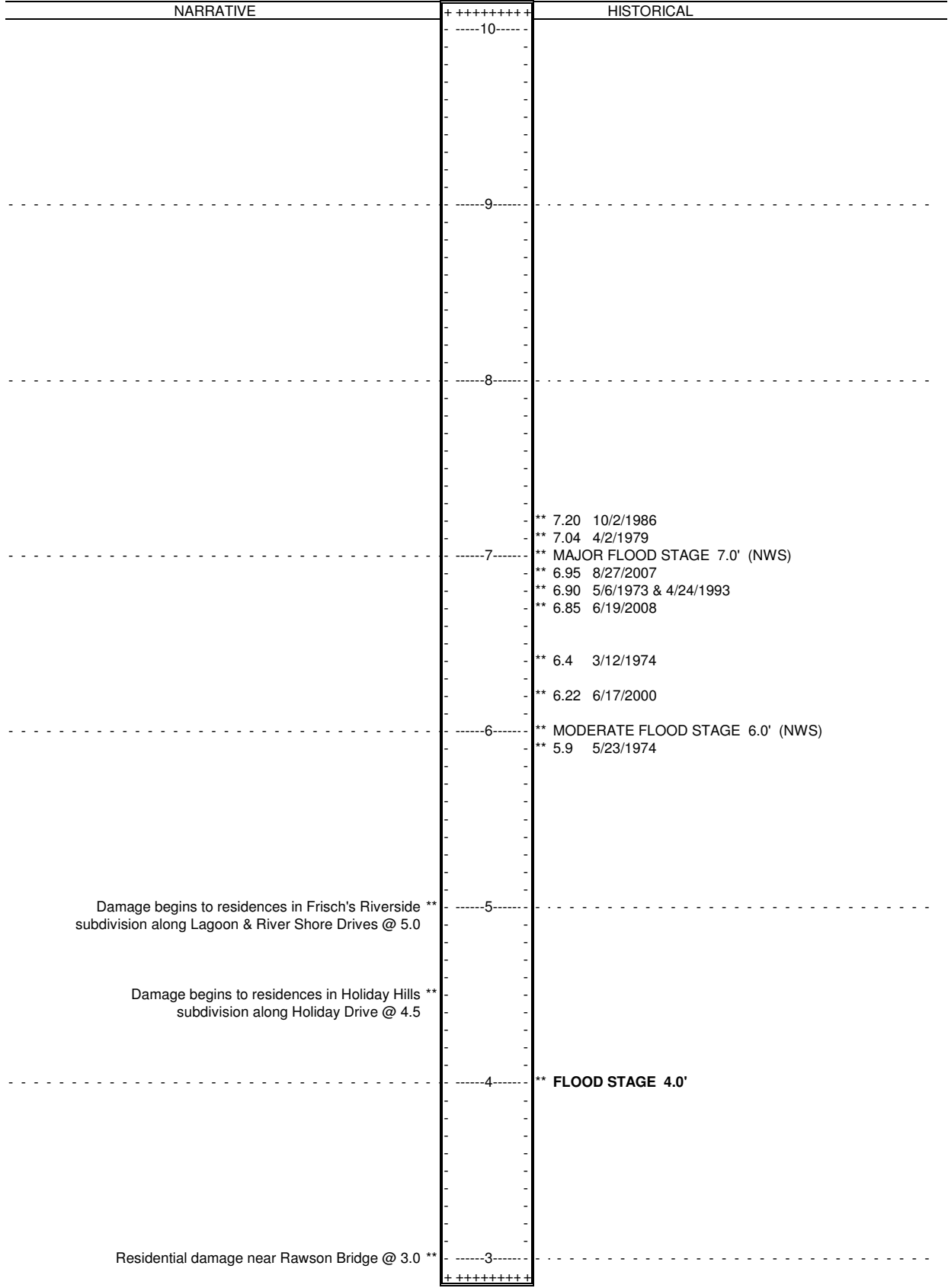


STAGE

Fox River
McHenry TW
MCH12

NARRATIVE

HISTORICAL



ELEVATION ZERO: 730.15
NGVD 1929

FOX RIVER AT ALGONQUIN, ILLINOIS

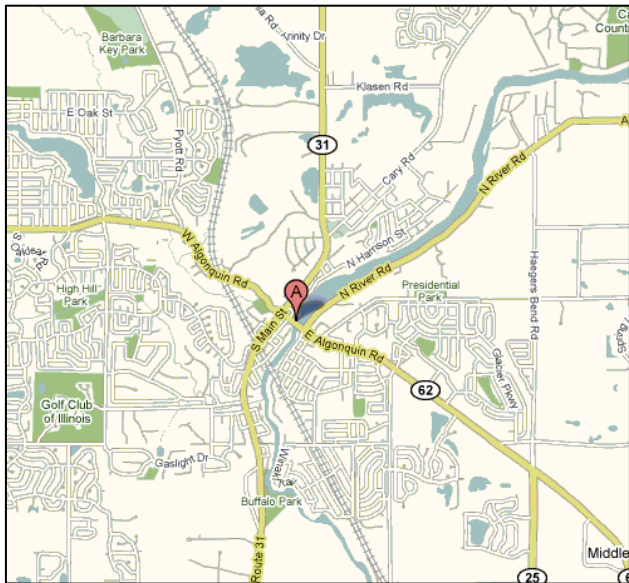
USGS GAGE NUMBER: 05550000

LOCATION: In McHenry County, on the right bank 20 ft. upstream from State Highway 62 (Algonquin Rd) bridge in Algonquin, 140 ft. upstream of Algonquin Dam, and at river mile 81.6.

NW 1/4, Sec. 34, Twp. 43N, Rng. 8E

42°09'59"N, 88°17'25"W NAD27

Drainage Area = 1,403 mi²



STAGE

Fox River
Algonquin, IL
ALGI2

NARRATIVE	STAGE	HISTORICAL
	+ + + + + + + + + +	
	-----9-----	
	-----8-----	
	-----7-----	
	-----6-----	
	-----5-----	
		** 4.5 4/1/1916
		** 4.42 7/5/1938
		** 4.37 3/16/1929
	-----4-----	
Damage begins to residences in Algonquin along Lowe Drive @ 4.0		** 4.0 4/2/1979 MAJOR STAGE (NWS)
		** 3.99 10/3/1987
		** 3.75 4/24/1993
Valley View subdivision near St. Charles floods @ 3.5		** 3.50 8/25/2007
		** 3.43 6/17/2000
Houses threatened in Richardson Subdivision @ 3.2		** MODERATE FLOOD STAGE 3.3' (NWS)
		** 3.24 5/23/1996
	-----3-----	
Damage begins to residence along River Road in Fox River Grove, water on streets in mobile home park in NW Elgin. Street flooding in Holiday Hills. Island Lake near Burton Ridge @ 3.0		** FLOOD STAGE 3.0'
		** 2.99 6/19/2008
	-----2-----	
	+ + + + + + + + + +	

ELEVATION ZERO: 729.48
NGVD 1929

FOX RIVER AT DAYTON, ILLINOIS

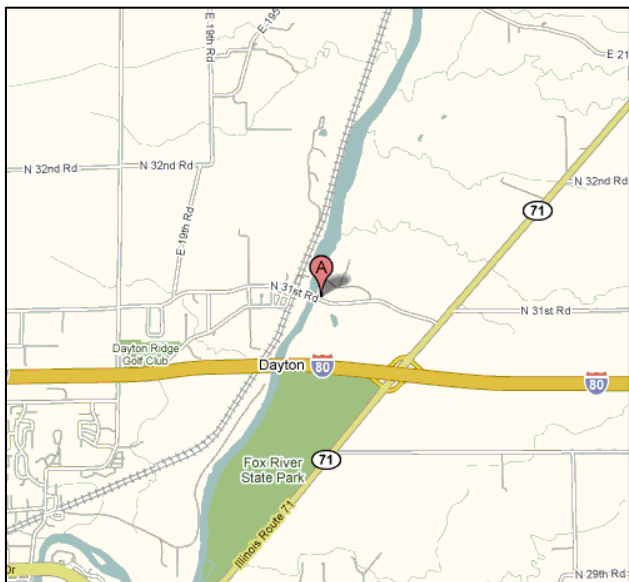
USGS GAGE NUMBER: 05552500

LOCATION: In LaSalle County, on the left bank beneath County Highway 18 bridge, and at river mile 5.2.

SE 1/4, Sec. 29, Twp. 34N, Rng. 4E

41°23'04"N, 88°47'21"W NAD27

Drainage Area = 2642 mi²



1996 FLOOD INFORMATION

The forebay embankment at the powerhouse just upstream of the gage was overtopped and breached.

STAGE

Fox River
Dayton, IL
DAY12

NARRATIVE	STAGE	HISTORICAL
	+ + + + + + + + + + +	
	-----38-----	
Dam crest elevation @ 36.50 **		** 36.47 1/25/1960 (ice jam)
	-----34-----	
		** 33.19 2/11/1988 (ice jam)
		** 32.00 4/23/1973 ; 32.04 6/14/1952
	-----30-----	
Floor of Dayton Powerhouse floods @ 27.00 **		
	-----26-----	
		** 24.63 10/11/1954
		** 24.47 7/19/1996
		** MAJOR FLOOD STAGE 24.0' (NWS)
	-----22-----	
		** 22.18 2/11/1974 (ice jam)
		** 21.43 9/14/2008
		** 19.80 2/13/1984
		** 19.52 2/24/1985 (ice jam)
		** 18.59 5/17/1974
	-----18-----	
		** 17.70 5/5/1983
		** 17.17 12/3/1982
		** 16.89 8/24/2007
Damage begins to residences in Ottawa downstream of I & M Canal @ 15.3		** 14.93 8/27/1987
Damage begins to residences approx. 1 mile downstream of Wedron @ 14.0	-----14-----	** MODERATE FLOOD STAGE 14.0' (NWS)
Ottawa high school parking lot, lowlands @ 13.0 **	-----12-----	** FLOOD STAGE 12.0'
	-----10-----	
	+ + + + + + + + + + +	

ELEVATION ZERO: 462.30
NGVD 1929

GREEN RIVER NEAR GENESEO, ILLINOIS

USGS GAGE NUMBER: 05447500

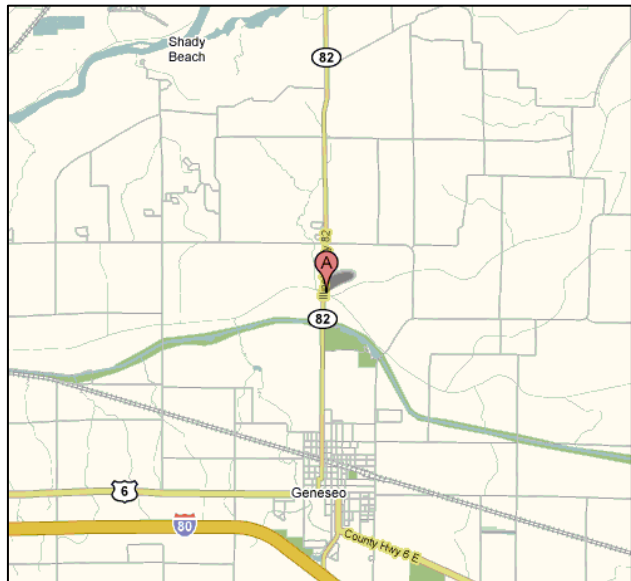
LOCATION: In Henry County, on the right bank at the upstream side of bridge on State Highway 82, 1.4 miles upstream from Geneseo Creek, 2.4 miles north of Geneseo, and at river mile 14.9.

SW 1/4, Sec. 4, Twp. 17N, Rng. 3E

41°29'20"N, 90°09'27"W NAD27

Drainage Area = 1003 mi²

Note: Prior to September 1997 datum was 580.66



1993 FLOOD INFORMATION

Levee break occurred downstream of Ill. Rte. 84

STAGE

Green River
Geneseo, IL
GENI2

NARRATIVE	STAGE	HISTORICAL
	-----26-----	
	-----24-----	
Water reaches the bottom of Grange Road bridge deck @ 24.0		
	-----22-----	
	-----20-----	
Water reaches gage house floor @ 20.3		
	-----18-----	
Water reaches the bottom of IL Hwy 82 bridge deck in Geneseo @ 19.3		** 18.77 10/18/1998
50,000-60,000 acres flooded @ 18.3		** 18.59* 1/23/1969 (ice jam)
Water inundates 10 Avenue in south Colona.		** MAJOR FLOOD STAGE 18.0' (NWS)
Water affects levees downstream of IL Hwy 84 @ 18.0		** 17.93 5/15/2002
		** 17.59 9/14/2008
	-----16-----	** 16.75* 6/22/1974
		** MODERATE FLOOD STAGE 16.5' (NWS)
		** 16.00* 4/22/1973
	-----14-----	** 15.62 2/21/1997
Water affects IL Hwy 84 north of US Hwy 6 in Colona area @ 15.5		** 15.52 8/27/1987 ; 15.50 6/29/1990
		** FLOOD STAGE 15.0'
		** 14.99* 3/23/1993
Some roads affected around Calona @ 14.5		** 14.33 7/9/1986
Minor flooding @ 14.0	-----14-----	
		** 12.82 12/3/1982
	-----12-----	

ELEVATION ZERO: 577.66
NGVD 1929

HICKORY CREEK AT JOLIET, ILLINOIS

USGS GAGE NUMBER: 05539000

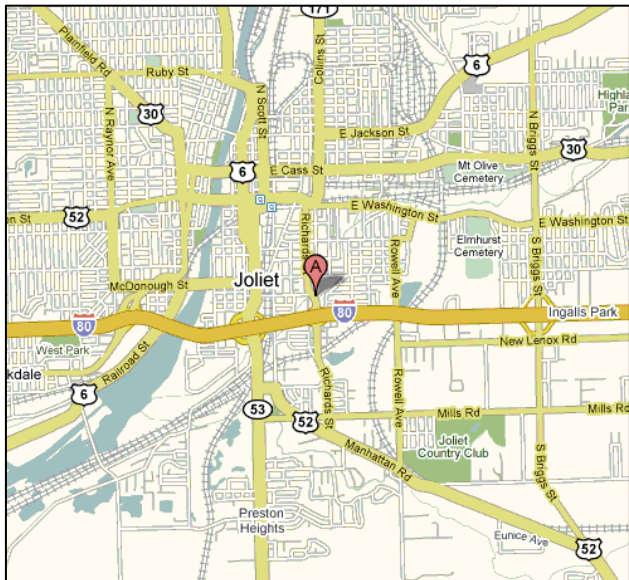
LOCATION: In Will County, on the left bank downstream of the Richards St bridge, 0.6 mi downstream from Spring Creek, and at river mile 1.6.

SW 1/4, Sec. 15, Twp. 35N, Rng. 10E

41°30'54"N, 88°04'24"W NAD27

Drainage Area = 107 mi²

Gage moved to new location October 2003. Old datum was 526.00'.

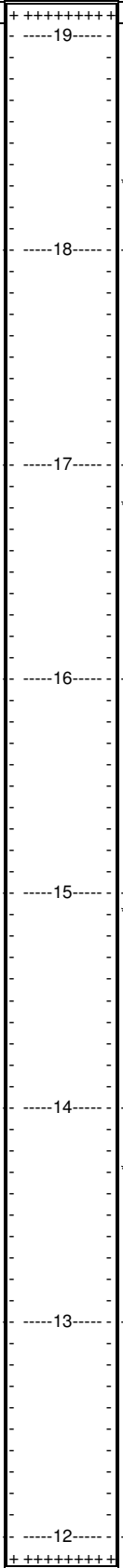


STAGE

Hickory Creek
Joliet

NARRATIVE

HISTORICAL



19

** 18.37 9/14/2008

18

17

** 16.82 6/12/2004

16

15

** 14.90 6/13/81 (old datum)

14

** 13.77 7/13/57 (old datum)

13

12

ELEVATION ZERO: 506.00
NGVD 1929

ILLINOIS RIVER AT MORRIS, ILLINOIS

USGS GAGE NUMBER: NONE*

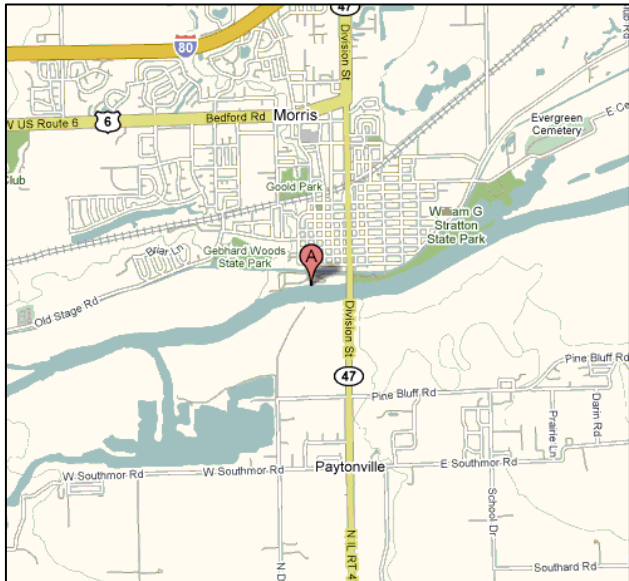
LOCATION: In Grundy County, on the right bank 0.3 mile downstream from State Route 47 Bridge, 0.3 mile upstream from Nettle Creek, and at river mile 263.1.

NE 1/4, Sec. 9, Twp. 33N, Rng. 8E

41 °21'16"N, 88 °25'37"W

Drainage Area = 7483 mi²

*Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



2008 FLOOD INFORMATION

Houses along Cemetery Road flooded; residents were evacuated by boat. Five structures flooded on Gun Club Road.

Morris Terminal and Elburn Corp. grain bin flooded. The ADM Terminal grain bin and office buildings flooded.

North River Road and Pine Bluff River Road were flooded.

Two residential homes on Pine Meadow Court in Southmor Estates were flooded.

ILLINOIS RIVER AT MARSEILLES, ILLINOIS

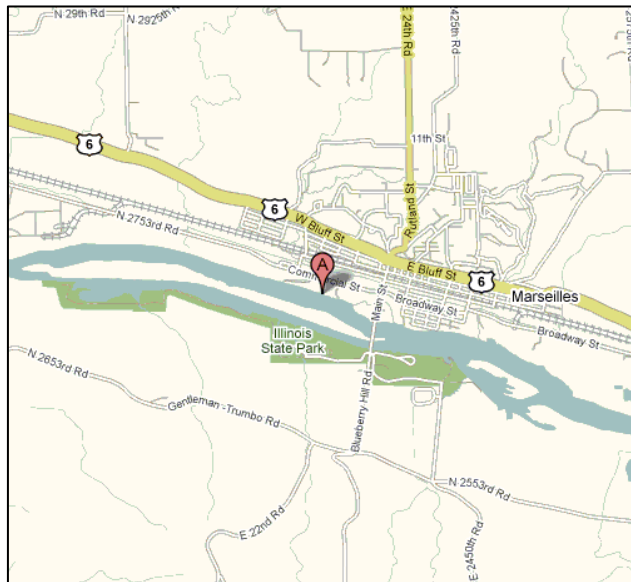
USGS GAGE NUMBER: 05543500

LOCATION: In LaSalle County, on the right bank 0.5 mile downstream from Marseilles dam in Marseilles, 6.9 miles upstream from the Fox River, and at river mile 246.5.

SW 1/4, Sec. 13, Twp. 33N, Rng. 4E

41°19'37"N, 88°43'03"W NAD27

Drainage Area = 8,259 mi²



2008 FLOOD INFORMATION

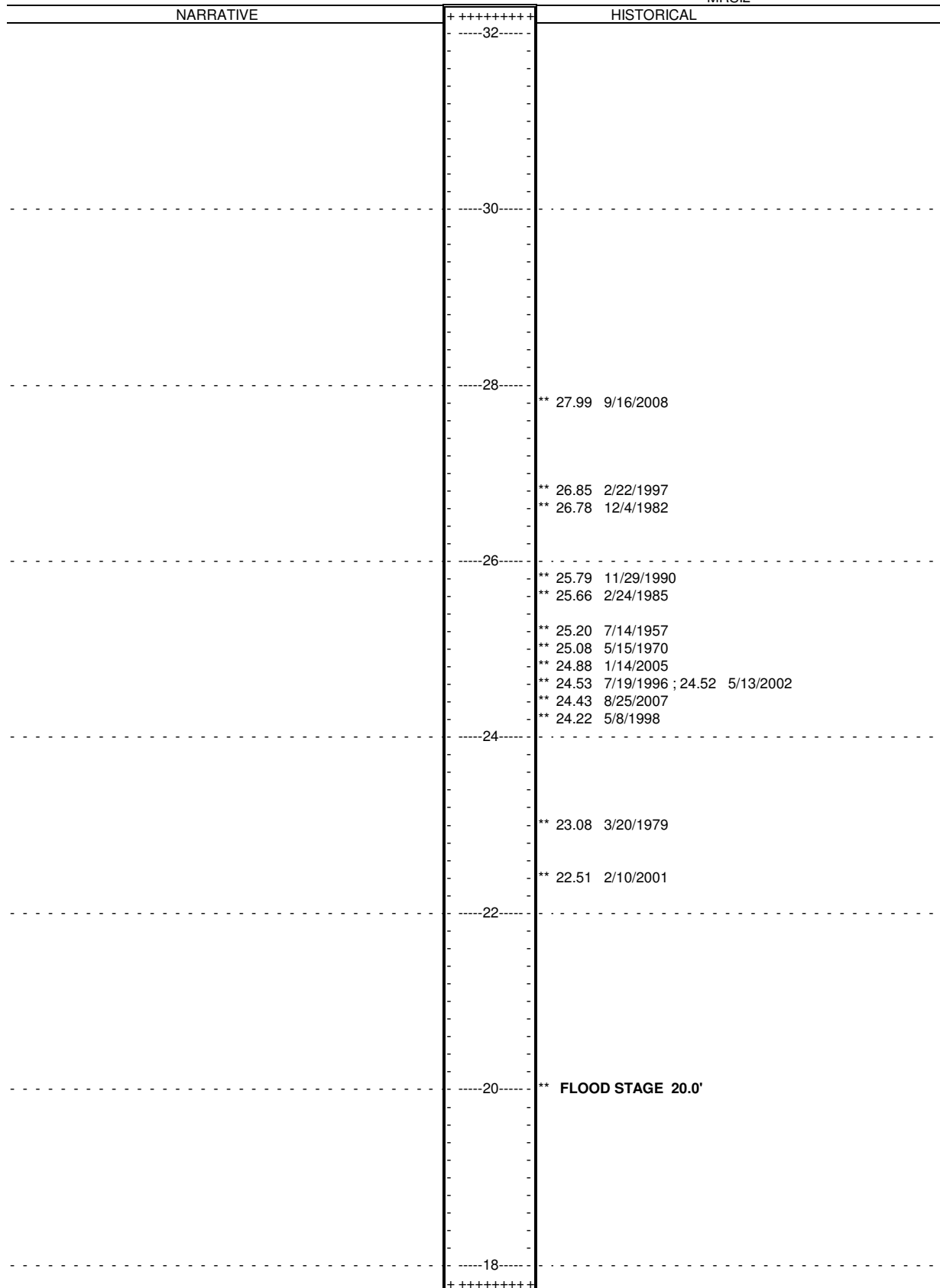
There was residential flooding along Commercial St. The Marseilles public works garage flooded, and the ADM terminal grain bin and office buildings flooded.

STAGE

Illinois River
Marseilles, IL
MRSI2

NARRATIVE

HISTORICAL



ELEVATION ZERO: 452.91
NGVD 1929

ILLINOIS RIVER AT MARSEILLES LOCK & DAM TAILWATER AT MARSEILLES, ILLINOIS

USGS GAGE NUMBER: none

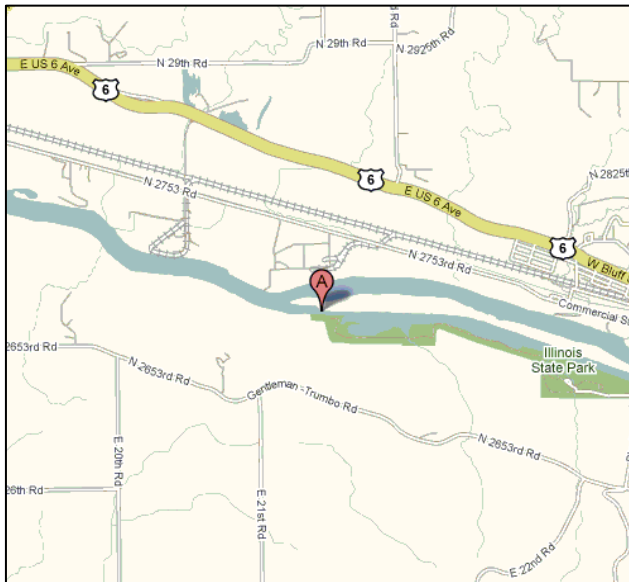
LOCATION: In LaSalle County at river mile 244.5.

SW 1/4, Sec. 15, Twp. 33N, Rng. 4E

41°19'43"N, 88°45'16"W

Drainage Area = 8,259 mi²

*Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



STAGE

Illinois River
Marseilles L&D TW

NARRATIVE

HISTORICAL

+ + + + + + + + + + +

-----486-----

** FLOOD STAGE 485.6'

-----484-----

-----482-----

-----480-----

-----478-----

-----476-----

** 475.89 9/16/2008

** 474.83 2/22/1997

** 474.70 4/9/1983

-----474-----

** 473.86 12/5/1982

** 473.20 2/25/1936

** 472.71 7/19/1996

-----472-----

+ + + + + + + + + + +

ELEVATION ZERO: 0.00
NGVD 1929

ILLINOIS RIVER AT OTTAWA, ILLINOIS

USGS GAGE NUMBER: NONE*

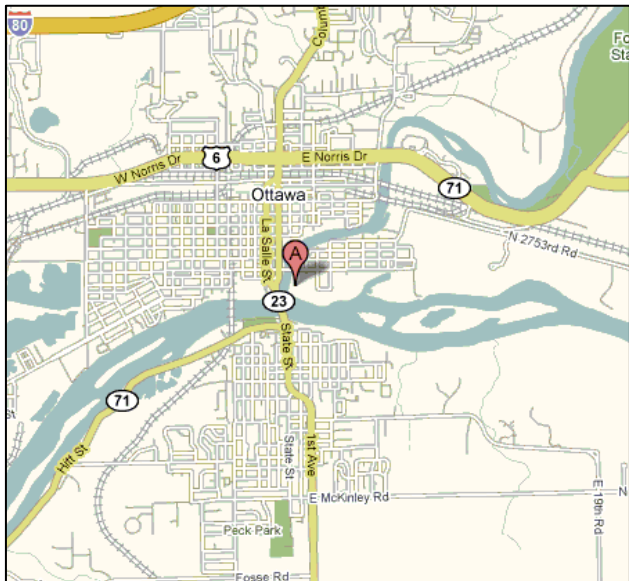
LOCATION: In LaSalle County, Ottawa, IL; on the left descending bank of the Fox River at the confluence with the Illinois River just upstream of the Highway 23 bridge at river mile 239.8

SE 1/4, Sec. 11, Twp. 33N, Rng. 3 E.

41 °20'39"N, 88 °50'21"W

Drainage Area = 10,950 mi²

*Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



2008 FLOOD INFORMATION

There was isolated residential flooding on Michigan, St. George, Calumet, Superior, Main, and Ontario Streets in Ottawa.

Central School was surrounded by 2' of water. They were flood fighting with pumps and sandbags at all of the doorways

The Ottawa Rescue Squad building was flooded and inaccessible.

STAGE

Illinois River
Ottawa, IL

| NARRATIVE | STAGE | HISTORICAL |
|--|--------------------------------------|---|
| Top of Illinois River levee at Ottawa High School @ 476.0 ** | + + + + + + + + + +
-----476----- | |
| Top of Fox River levee at Ottawa High School @ 474.5 ** | | |
| -----474----- | | |
| Entrance to the hospital emergency room floods @ 473.0 ** | | |
| Top of Illinois River levee at city of Ottawa waste water treatment plant @ 472.2 ** | -----472----- | ** 472.21 9/16/2008 |
| Central School building is surrounded by water @ 470.7 ** | | |
| Lift station near YMCA floods @ 470.3 **
Flooding begins at the hospital loading dock, to residential property at Shabbona St, and to Green St @ 470.0 ** | -----470----- | ** 470.23 3/11/2009 |
| River rescue squad threatened @ 468.7 ** | | ** MAJOR FLOOD STAGE 469.0' (NWS)
** 468.87 12/29/2008 |
| -----468----- | | ** 468.00 5/13/2002
** 467.80 12/12/2005 |
| River begins to infiltrate Shannon Bldg at Ottawa High School @ 467.0 ** | | |
| -----466----- | | ** MODERATE FLOOD STAGE 466.0' (NWS) |
| Flooding begins at Central School (infiltration into Boiler Room) @ 464.0 ** | -----464----- | ** 463.80 3/1/2007 |
| Ilen Park entrance flooded & west boat dock submerged @ 462.5 ** | | ** 465.00 2/17/2008 |
| River rescue squad boat dock submerged @ 460.8 **
Ottawa High School begins flood fighting preparations @ 460.5 ** | -----462-----
+ + + + + + + + + + | ** 463.10 12/23/2006
** FLOOD STAGE 463.0' |

ELEVATION ZERO: 0.00
NGVD 1929

ILLINOIS RIVER AT STARVED ROCK LOCK AND DAM, TAILWATER AT STARVED ROCK STATE PARK, ILLINOIS

USGS GAGE NUMBER: NONE*

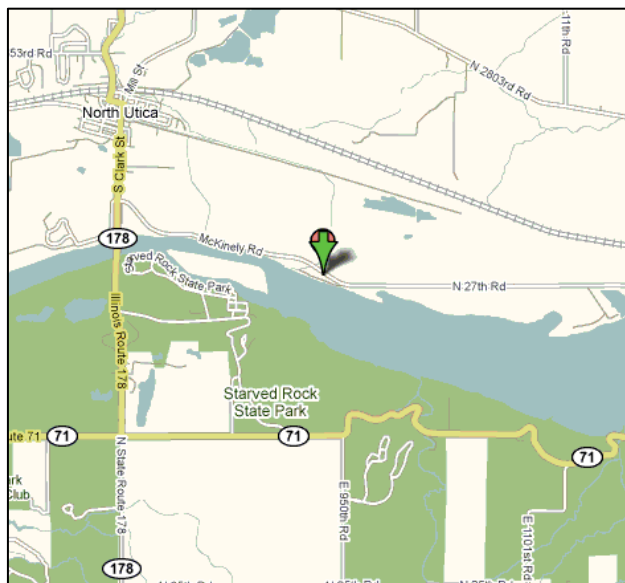
LOCATION: In LaSalle County, at the lock and dam which sits across from Starved Rock State Park, 0.3 miles upstream of Plum Island and at river mile 231.0

SW 1/4, Sec. 15, Twp. 33N, Rng. 2E.

41 °19'29"N, 88 °59'02"W

Drainage Area = 11,056 mi²

*Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



STAGE

Illinois River
Starved Rock L&D TW

| NARRATIVE | STAGE | HISTORICAL |
|---------------------------------|---------------|--|
| | -----468----- | |
| | | ** 467.31 9/16/2008 |
| | -----466----- | |
| | | ** 464.70 12/5/1982 |
| | | ** 464.60 2/22/1997 |
| | -----464----- | |
| | | ** 463.56 3/5/1985 |
| | | ** 463.40 3/21/1979 |
| | | ** 463.27 8/25/2007 |
| | | ** 462.40 5/16/1970 |
| | | ** 462.26 12/29/2008 |
| | -----462----- | |
| Dee Bennet Rd floods @ 459.0 ** | | ** 461.40 1/15/2005 ; 461.42 5/14/2002 |
| | -----460----- | |
| | -----458----- | |
| | -----456----- | |
| | -----454----- | ** FLOOD STAGE 450.0' |

ELEVATION ZERO: 0.00
NGVD 1929

ILLINOIS RIVER AT LASALLE, ILLINOIS

USGS GAGE NUMBER: NONE*

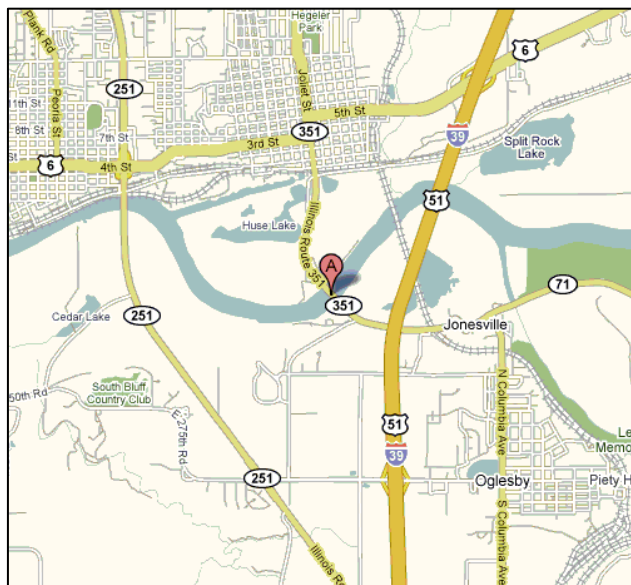
LOCATION: In LaSalle County, near the IL Highway 351 bridge, at river mile 224.7.

SE 1/4, Sec. 22, Twp. 33N, Rng. 1E.

41°18'51"N, 89°05'30"W

Drainage Area = 12,572 mi²

*Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



2008 FLOOD INFORMATION

In LaSalle the La Salle Nursing Home was evacuated and a temporary earthen levee constructed around the facility. The waste water treatment plant flooded, and businesses along Water Street flooded.

In Utica there was substantial residential and commercial flooding along Illinois Route 78 from Clark Street to the river, and along Washington St. Illinois Route 78 was closed.

STAGE

Illinois River
LaSalle, IL
LSLI2

| NARRATIVE | STAGE | HISTORICAL |
|---|-------------------------------------|-------------------------------------|
| Hennepin Power Plant affected by flooding @ 34.00 ** | + + + + + + + + + +
-----34----- | |
| | | ** 33.79 9/16/2008 |
| Business district in LaSalle floods @ 33.0 ** | | |
| ----- | | |
| | | |
| | | |
| | | |
| | | |
| | -----32----- | ** 32.05 12/5/1982 |
| | | ** 31.8 3/21/1979 |
| | | ** 31.7 3/6/1985 |
| Starved Rock L&D closed @ 31.5 ** | | ** 31.0 5/22/1943 ; 2/22/1997 |
| Flood damage begins in Ottawa @ 31.0 ** | | ** MAJOR FLOOD STAGE 31.0' (NWS) |
| | | |
| | | ** 30.34 8/26/2007 |
| Top of LaSalle water pumping station pit, damage to DePue sewage treatment facilities @ 30.0. | -----30----- | ** 30.1 5/16/1970 |
| | | |
| | | |
| | | |
| Flooding begins in sections of Peru, Utica begins sandbagging south of Washington St @ 29.0 | | ** 28.86 5/14/2002 |
| | | |
| ----- | -----28----- | |
| | | |
| | | |
| Hennepin Levee overtops at road crossing @ 27.4 ** | | |
| | | ** MODERATE FLOOD STAGE 27.0' (NWS) |
| | | ** 26.9 1986 |
| | | |
| ----- | -----26----- | ** 26.15 1/28/1974 |
| | | ** 25.63 5/31/1995 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | -----24----- | ** 24.01 6/14/2004 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | -----22----- | |
| Riverside parking lot at Starved Rock State park floods @ 22.0 | | |
| | | |
| | | |
| | | |
| Agricultural flooding of bottomlands 6 miles upstream and 12 miles downstream @ 21.00 | | |
| | | |
| | | |
| Agricultural areas in LaSalle, Spring Valley, & Peru lowlands are flooded @ 20.0 | -----20----- | ** FLOOD STAGE 20.0' |
| Agricultural damage begins on right bank @ 17.0 ** | + + + + + + + + + + | |

ELEVATION ZERO: 430.00
NGVD 1929

ILLINOIS RIVER AT HENRY, ILLINOIS

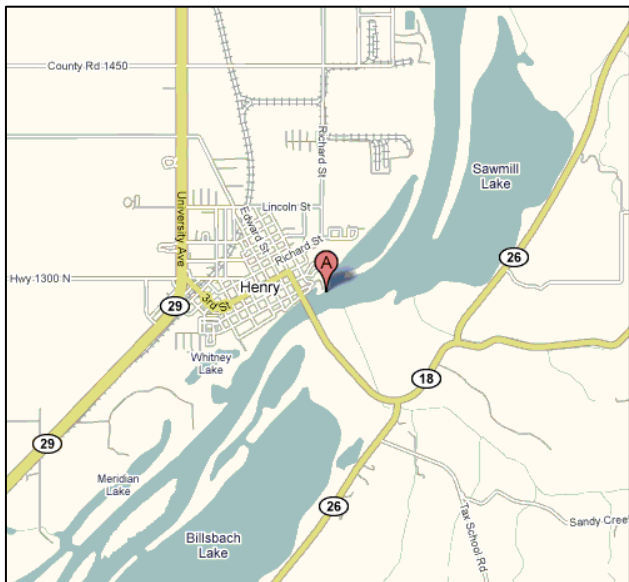
USGS GAGE NUMBER: 05558300

LOCATION: In Marshall County, on the right bank about 600 ft. upstream from the bridge on State Highway 18, 4.4 miles upstream from Crow Creek, 38.2 miles upstream of Peoria Lock and Dam, and at river mile 196.0.

SW 1/4, Sec. 15, Twp. 13N, Rng 10E

41°06'26"N, 89°21'23"W

Drainage Area = 13,543 mi²



STAGE

Illinois River
Henry, IL
HNY12

| NARRATIVE | STAGE | HISTORICAL |
|--|-----------------------|-------------------------------------|
| | + + + + + + + + + + + | |
| | -----33----- | |
| IL Rt 18 is closed in Marshall Co. Parts of IL Rt 17 between Sparland and Lacon are closed @ 32.5 ** | | ** 32.67 3/22/1979 |
| IL Rt 18 between Henry and IL Rt 26 begins to flood Part of IL Rt 17 begins to flood @ 32.0 ** | | ** 32.02 3/7/1985 |
| | | ** 31.07 9/19/2008 |
| | -----31----- | ** MAJOR FLOOD STAGE 31.0' (NWS) |
| | | ** 30.75 3/22/1982 |
| Marina Building, Waterworks Park and grain loading facility in Henry are flooded @ 30.5 ** | | ** 30.6 3/21/1997 ; 30.70 12/8/1982 |
| Homes in Henry begin to flood @ 29.6 ** | | |
| | -----29----- | |
| | | ** 28.84 5/29/1995 |
| | | ** 28.58 11/23/1985 |
| Damage begins to buildings east of IL Rt. 29 in Sparland @ 28.0 ** | | ** 28.3 5/18/2002 |
| | | ** 27.93 1/17/2005 |
| | -----27----- | |
| | | ** 26.75 4/22/1993 |
| | -----25----- | |
| | | ** 24.68 2/19/1984 |
| | | ** MODERATE FLOOD STAGE 24.0' (NWS) |
| Marina in Henry affected, minor lowland flooding @ 23.0 ** | -----23----- | ** FLOOD STAGE 23.0' |
| | -----21----- | |
| | -----19----- | |
| | + + + + + + + + + + + | |

ELEVATION ZERO: 425.88
NGVD 1929

ILLINOIS RIVER AT PEORIA, ILLINOIS

USGS GAGE NUMBER: NONE*

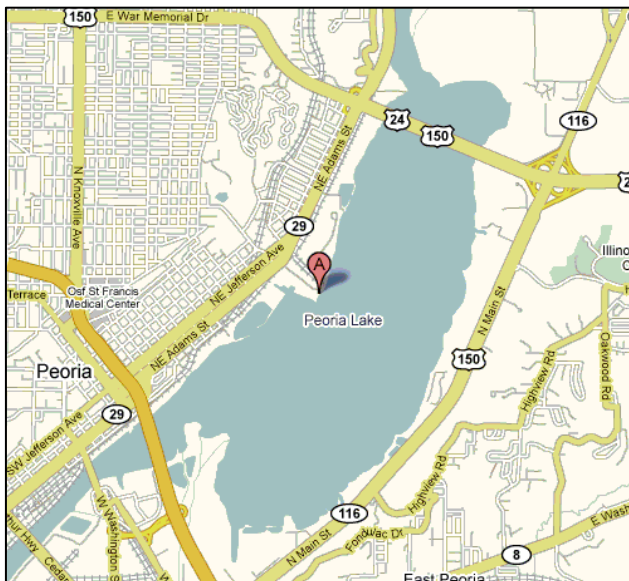
LOCATION: In Peoria County - Peoria, at foot of Grant Street, 2.2 miles upstream from Farm Creek, 4.5 miles upstream from Kickapoo Creek, and at mile 164.6.

SE 1/4, Sec. 9, Twp. 8N, Rng. 8E

40°42'08"N, 89°33'52"W

Drainage Area = 14,165 mi²

*Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



STAGE

Illinois River
Peoria, IL
PIA12

| NARRATIVE | STAGE | HISTORICAL |
|---|-------------------------------------|---|
| Peoria Sanitary District Levee overtops @ 30.6 **
Water overtops the Levees @ Pekin STP & Komatsu Dresser @ 30.0 | + + + + + + + + + +
-----30----- | |
| Overtop Pekin & LaMarsh levee at R.R. crossing
Constitution Avenue in Peoria flooded @ 29.0
4 blocks of Water Street in Peoria inundated @ 28.7 ** | | ** 28.8 3/24/1979 ; 28.89 5/23/1943
** 28.4 3/7/1985 |
| -----28----- | | ** MAJOR FLOOD STAGE 28.0' (NWS) |
| Several houses in Rome and Chillicothe become isolated @ 26.5
Overtop East Peoria Sanitary District levee @ 26.0 ** | | ** 27.5 12/10/1982
** 27.07 9/19/2008
** 26.86 3/3/1997 |
| Riverfront Village and 1 block Water Street @ 25.2 **
Layne Crossing, North Street in Rome & Chillicothe area. **
Poplar Lane floods in Peoria Heights @ 25.1
Damage begins at Pekin STP & minor property damage in Peoria by the river @ 25.0
River Beach Dr & 2nd St + minor home damage @ 24.5 **
Overtop Wabco levee @ 24.4 ** | -----26----- | ** 25.9 5/30/1995
** 25.25 5/18/2002 |
| Water begins covering streets in East Peoria @ 24.0 ** | -----24----- | |
| Secondary roads affected in Peoria Co. and basement flooding begins in Rome @ 23.0
Flooding begins to low lying areas in Peoria Heights & Peoria's Riverfront Park @ 22.7 | | |
| -----22----- | | ** MODERATE FLOOD STAGE 22.0' (NWS) |
| | | ** 20.5 7/29/1993 |
| -----20----- | | |
| | | ** 19.13 6/16/2004 |
| Flooding of unprotected bottomlands @ 18.0 ** | -----18----- | ** FLOOD STAGE 18.0' |
| -----16----- | + + + + + + + + + + | |

ELEVATION ZERO: 428.39
NGVD 1929

ILLINOIS RIVER AT KINGSTON MINES, ILLINOIS

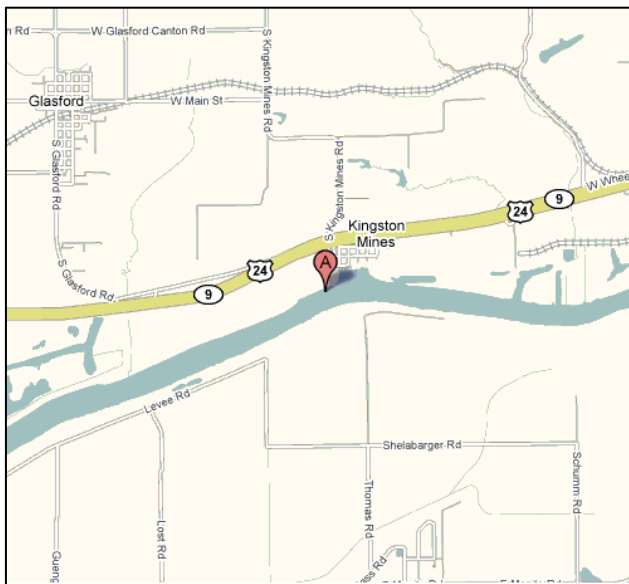
USGS GAGE NUMBER: 05568500

LOCATION: In Peoria County, on the right bank at Kingston Mines, 2.3 miles downstream from the Mackinaw River, and at river mile 145.4.

SE 1/4, Sec. 26, Twp. 7N, Rng. 6E

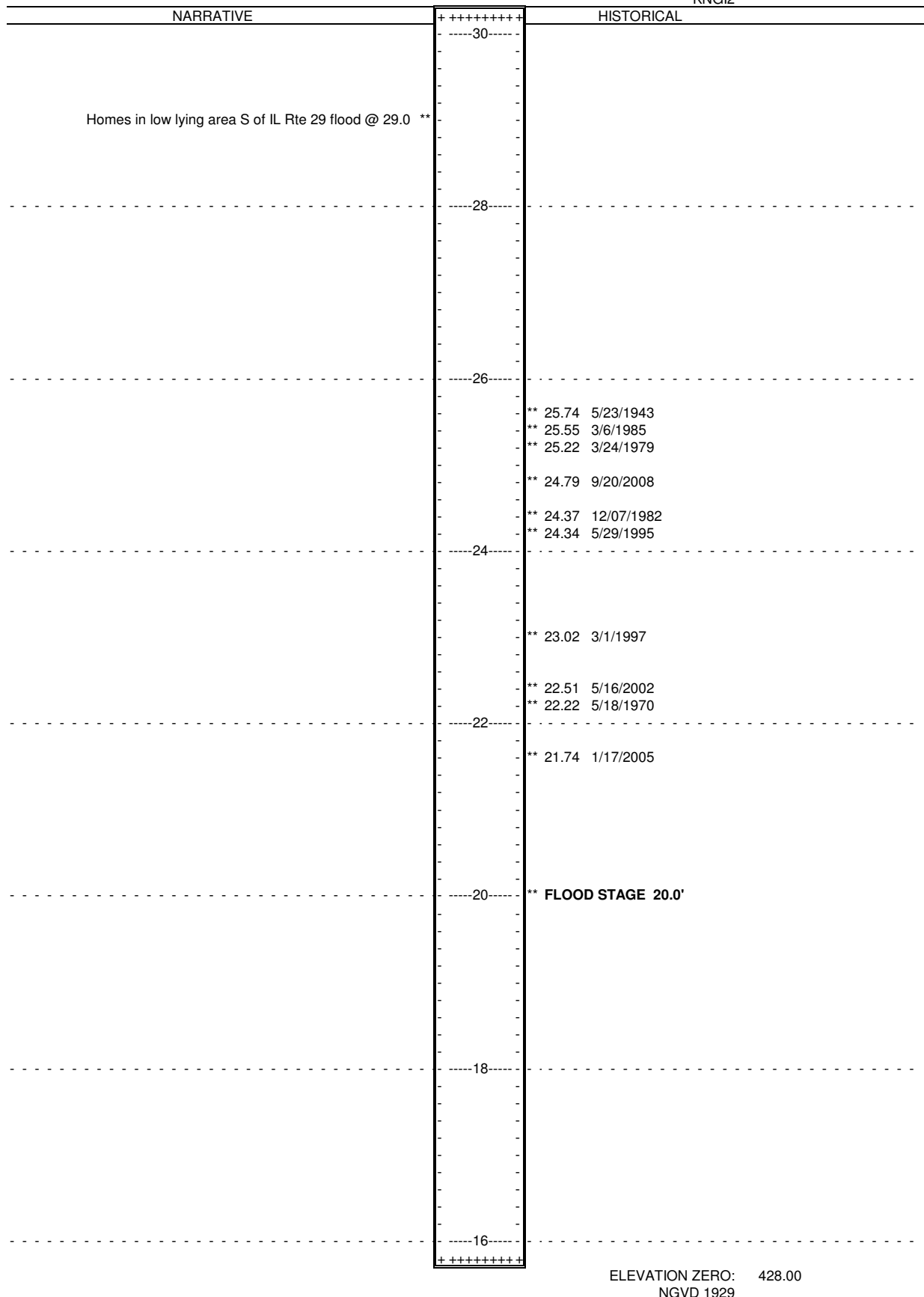
40°33'11"N, 89°46'38"W NAD27

Drainage Area = 15,818 mi²



STAGE

Illinois River
Kingston Mines, IL
KNGI2



ILLINOIS RIVER AT HAVANA, ILLINOIS

USGS GAGE NUMBER: NONE*

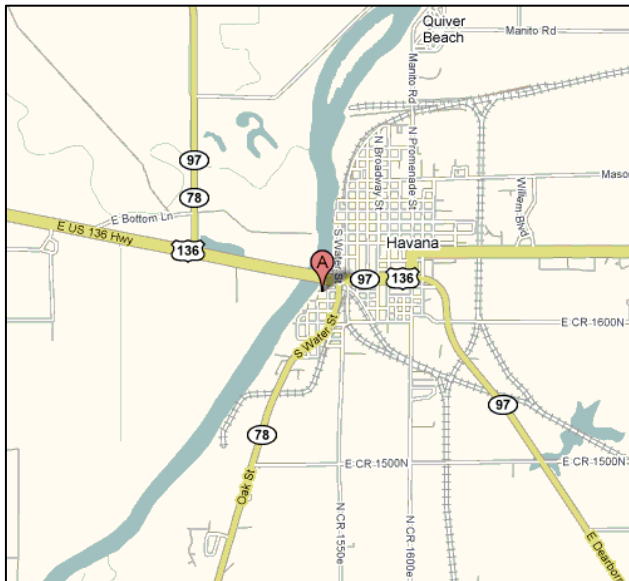
LOCATION: In Mason County, on left bank 100 ft. downstream of U.S. Highway 136 bridge in Havana, 0.8 mile downstream from mouth of Spoon River, and at river mile 119.6.

NW 1/4, Sec. 36, Twp. 22N, Rng. 8W

40°17'34"N, 90°04'07"W

Drainage Area = 18,299 mi²

*Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.

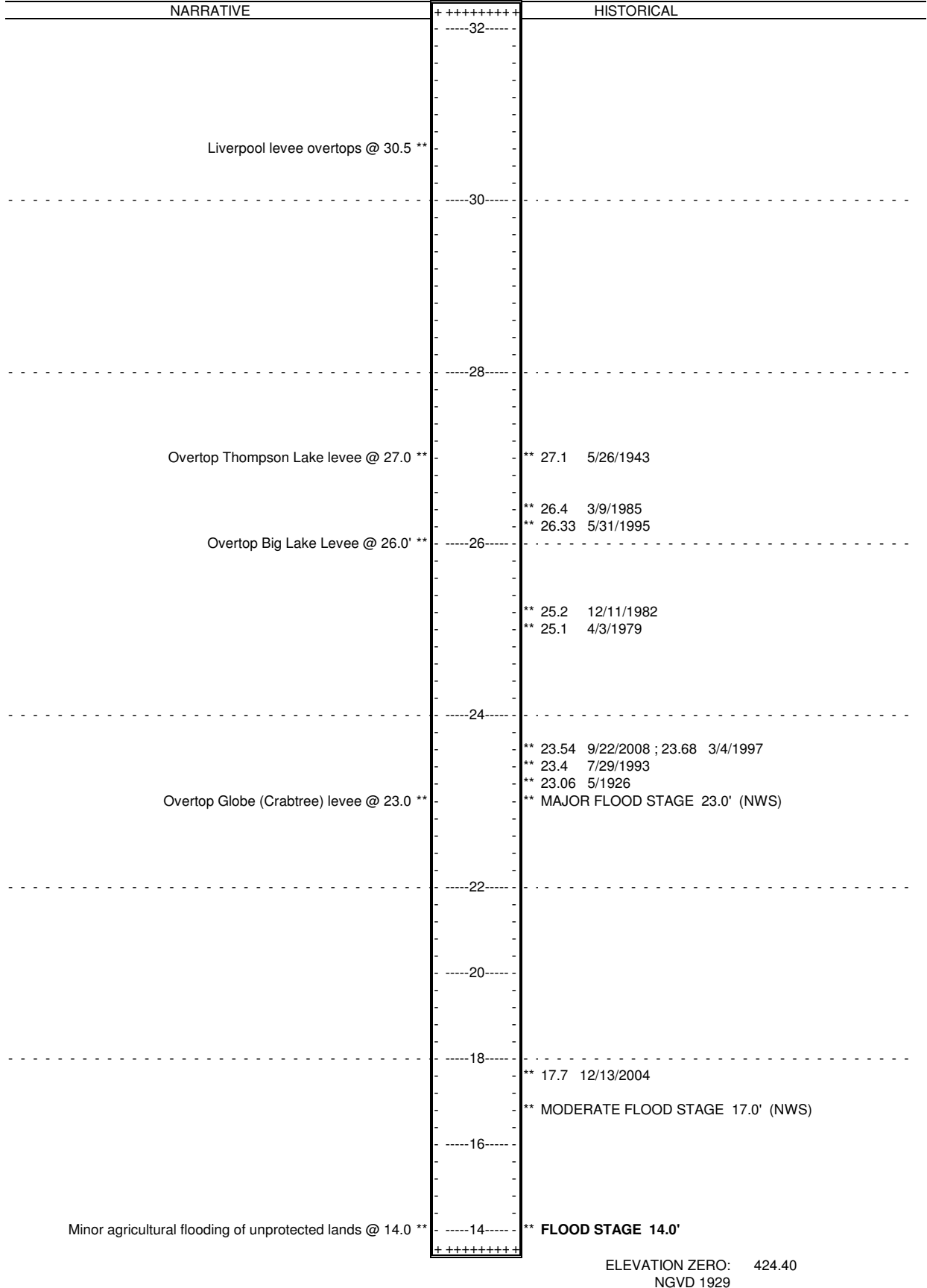


2008 FLOOD INFORMATION

The Globe(Crabtree) levee overtopped flooding agricultural land.

STAGE

Illinois River
Havana, IL
HAVI2



ELEVATION ZERO: 424.40
NGVD 1929

ILLINOIS RIVER AT BEARDSTOWN, ILLINOIS

USGS GAGE NUMBER: NONE*

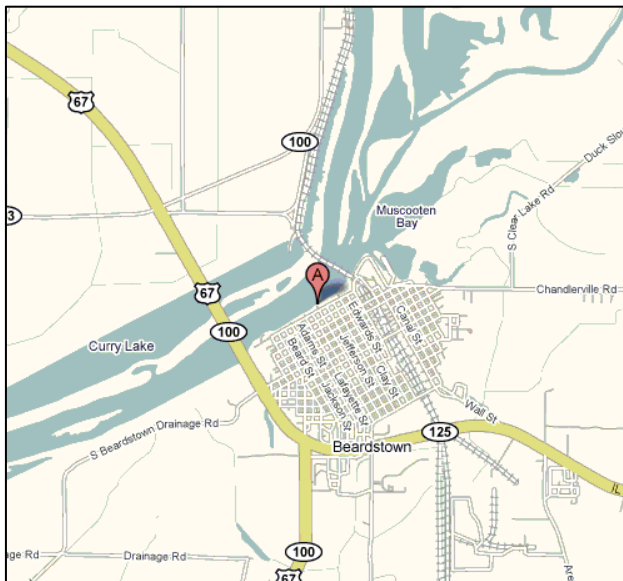
LOCATION: In Cass County, 0.9 mile upstream from State Rt 100 Bridge, 0.3 mile downstream from Burlington Northern Santa Fe Railroad Bridge. At river mile 88.6.

NW 1/4, Sec. 15, Twp. 18N, Rng. 12W

40°01'13"N, 90°26'12"W

Drainage Area = 24,227 mi²

*Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



1993 FLOOD INFORMATION

The Lost Creek D&LD placed sandbags were stacked 3 high on top of the levee. Some crops were lost due to standing seepage water.

Streets in the village of Beardstown collapsed due to surcharged groundwater carrying material into the combined sewer system. Extra pumping and treatment of the flows in the combined sewer system was also required.

STAGE

Illinois River
Beardstown, IL
BEA12

| NARRATIVE | + + + + + + + + + + | HISTORICAL |
|--|---------------------|---|
| | -----36----- | |
| Overtop Lost Creek levee @ 35.1 **
Overtop South Beardstown levee &
Beardstown seawall @ 35.0 | | |
| | -----32----- | |
| Hager Slough overtops @30.0 **
Beardstown seawall sill elevation at State St. **
Overtop Crane Creek levee @ 29.0 ** | | ** 29.6 5/26/1943
** 29.44 5/30/1995
** 28.71 5/19/2002
** 28.5 3/10/1985 |
| South Beardstown D&LD closure IL Rte100 & overtop **
Big Lake levee. Hager Slough levee critical @ 28.0
Overtop Coal Creek levee at boat landing &
damage begins in Frederick and Browning @ 27.0 | -----28----- | ** MAJOR FLOOD STAGE 28.0' (NWS)
** 27.5 12/11/1982
** 27.0 4/4/1979
** 26.6 7/29/1993 |
| Flood fighting normally required to prevent
overtopping or breaching of additional levees &
Coal Creek D&LD closure of IL Rte 100 crossing @ 26.0 | | ** 24.97 9/24/2008
** 24.28 3/6/1997 |
| Beardstown flood gates closed @ 24.0 **
Flood fighting normally required to prevent
overtopping or breaching of Lost Creek levees @ 23.0 | -----24----- | |
| General alert for drainage and levee districts @ 22.0 **
Seepage problems begin in the South Beardstown
Drainage and Levee District @ 20.0 | -----20----- | ** 18.86 12/14/2004 |
| Seepage problems begin at the Lost Creek D&LD @ 18.0 ** | | ** MODERATE FLOOD STAGE 18.0' (NWS) |
| | -----16----- | |
| Seepage problems begin in the Coal Creek D&LD @ 14.4 **
Beardstown Sanitary District begins pumping
basements and low areas subject to flooding @ 13.6 | | ** FLOOD STAGE 14.0' |
| Pumping begins in drainage and levee districts
protecting about 59,000 acres @ 12.0 | -----12----- | |
| | -----8----- | |
| | + + + + + + + + + + | |

ELEVATION ZERO: 419.90
NGVD 1929

ILLINOIS RIVER AT LA GRANGE LOCK AND DAM LOWER TAILWATER AT LA GRANGE, ILLINOIS

USGS GAGE NUMBER: NONE*

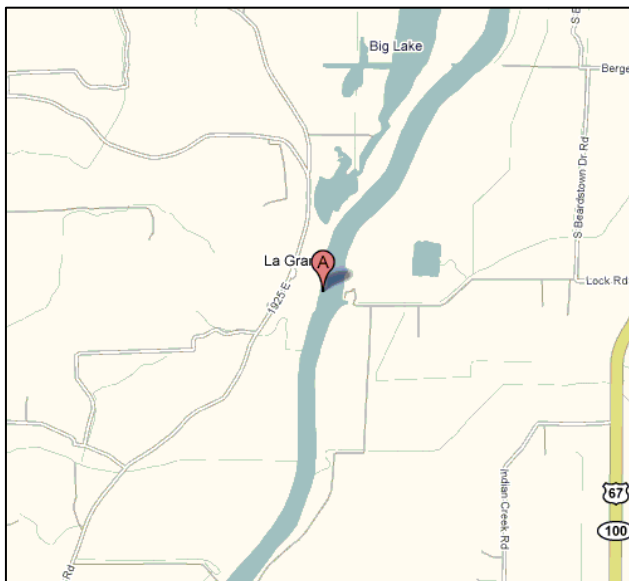
LOCATION: At LaGrange Lock & Dam, near Big Lake in Brown County at river mile 80.2. The gage is located on the light structure downstream of the lower miter gate of the lock chamber.

NE 1/4, Sec. 32, Twp. 17N, Rng. 2W

39°57'00"N, 90°32'10"W

Drainage Area = 25,700 mi²

*Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



STAGE

Illinois River
LaGrange Lower TW
NLG12

NARRATIVE

HISTORICAL

| NARRATIVE | STAGE | HISTORICAL |
|-----------|-------|--|
| | 36 | |
| | 34 | ** 34.02 6/1/1995
** 33.6 5/26/1943
** 33.34 5/20/2002
** 33.1 3/10/1985
** 32.8 4/19/1979
** 32.45 7/27/1993 |
| | 32 | ** 32.05 12/12/1982 |
| | 30 | |
| | 28 | ** 29.32 1/2/2005 ; 29.35 9/24/2008

** MAJOR FLOOD STAGE 27.0' (NWS)
** 26.4 3/3/2001 |
| | 26 | ** 25.25 4/4/2007

** MODERATE FLOOD STAGE 23.0' (NWS) |
| | 24 | ** 23.02 12/15/2004
** FLOOD STAGE 23.0' |
| | 22 | |

ELEVATION ZERO: 413.50
NGVD 1929

ILLINOIS RIVER AT MEREDOSIA, ILLINOIS

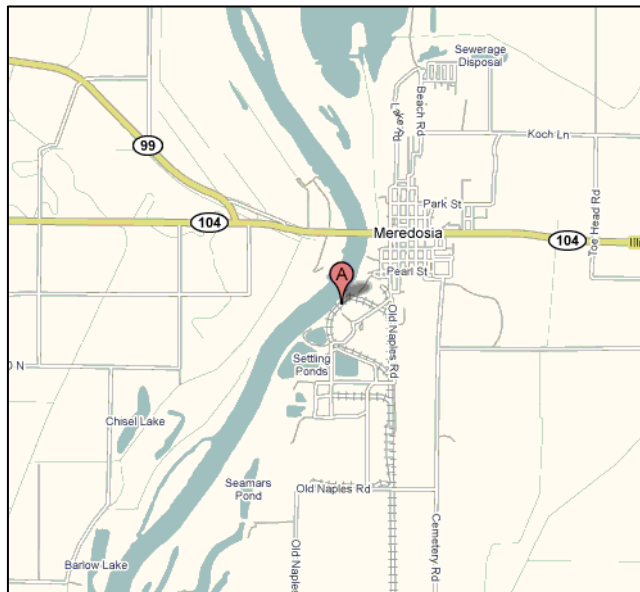
USGS GAGE NUMBER: 05585500

LOCATION: In Morgan County, at Central Illinois Public Service Company in Meredosia, attached to the intake pier on the left bank at river mile 70.8.

SE 1/4, Sec. 21, Twp. 16N, Rng. 13W

39°49'24"N, 90°34'05"W NAD27

Drainage Area = 26,029 mi²



1993 FLOOD INFORMATION

The McGee Creek D&LD had seepage water damages.

At the Willow Creek D&LD sandbags were placed 1.5' high on the levee and a bulldozer was also used to build up the levee.

At the Little Creek D&LD sandbags were stacked 3 high on the levee.

STAGE

Illinois River
Meredosia, IL
MROI2

| NARRATIVE | STAGE | HISTORICAL |
|--|-----------------------|---|
| | -----458----- | |
| Coon Run Levee is overtopped @ 456 ** | | |
| | -----454----- | |
| McGee Creek Levee is overtopped @ 451.5 ** | | |
| | -----450----- | |
| Meredosia Lake Levee is overtopped @ 449.0 ** | | |
| Willow Creek Levee is overtopped @ 448.0 ** | | |
| Burlington Northern Railroad & levee at IL Rt 104 overtop @ 447.8 ** | | ** 446.7 5/26/1943
** 446.3 5/30/1995 |
| Water overtops Northern Meredosia Levees and flood fighting begins at Willow Creek D&LD @ 446.0 ** | -----446----- | ** 445.57 5/19/2002 ; 445.62 3/10/1985 |
| Flood fighting begins at Coon Run D&LD and Meredosia Lake D&LD @ 445.0 ** | | ** 445.28 4/19/1979 |
| Floodwater overtops Little Creek Levee @ 444.9 ** | | ** 444.96 7/28/1993
** 444.4 12/12/1982 |
| Flood fighting begins at Little Creek D&LD @ 443.4 ** | | ** 443.56 3/24/1982
** 442.85 11/27/1985 |
| | -----442----- | |
| Meredosia Lake Road overtopped @ 440.4 ** | | ** 441.5 9/24/2008 ; 441.53 1/21/2005
** 441.4 6/6/1996 |
| | -----438----- | ** MAJOR FLOOD STAGE 438.0' (NWS) |
| City of Meredosia plugs storm sewer outlets @ 436.0 ** | | |
| Meredosia boat dock floods @ 435.4 ** | | ** MODERATE FLOOD STAGE 435.0' (NWS)
** 434.8 12/15/2004 |
| | -----434----- | |
| | | ** FLOOD STAGE 432.0' |
| | -----430----- | |
| | + + + + + + + + + + + | |

ELEVATION ZERO: 0.00
NGVD 1929

ILLINOIS RIVER NEAR VALLEY CITY, ILLINOIS

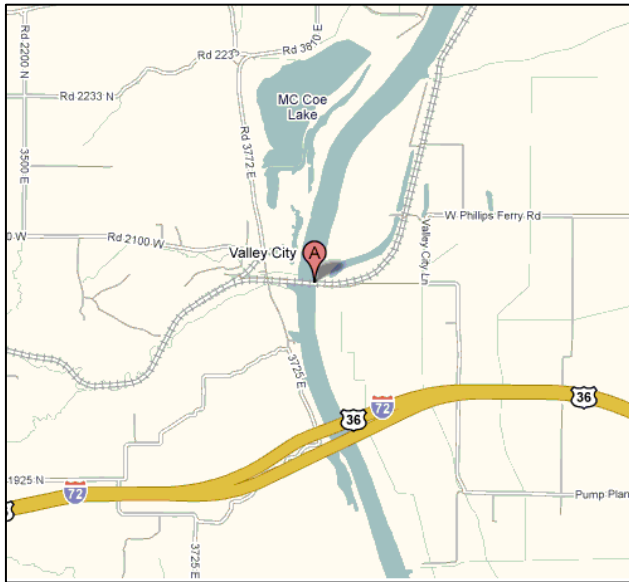
USGS GAGE NUMBER: 05586100

LOCATION: In Scott County, on the left bank on the upstream side of the Norfolk & Southern railroad bridge at Flints Creek, 0.4 miles east of Valley City, 1.8 miles downstream of Mauvaise Terre Creek, and at river mile 61.3.

NW 1/4, Sec. 34, Twp. 15N, Rng. 14W

39°42'12"N, 90°38'43"W NAD27

Drainage Area = 26,743 mi²



1993 FLOOD INFORMATION

At the Big Swan D&LD sandbags were stacked 7 high during peak flow conditions to prevent overtopping.

At the Valley City D&LD sandbags were stacked 3 high during peak flow conditions to prevent overtopping.

Two residential structures were damaged at Montezuma. Nine residential and two commercial structures were damaged at Florence. Ten residential and two commercial structures were damaged at Valley City.

STAGE

Illinois River
Valley City, IL
VALI2

| NARRATIVE | + + + + + + + + + + | HISTORICAL |
|--|---------------------|--------------------------------------|
| | -----29----- | |
| | | ** 28.61 5/26-28/1943 (Record Stage) |
| Residential structure in Montezuma begins to flood @ 27.7 ** | | ** 27.62 3/11/1985 |
| Flood water overtops Mauvaise Terre D&LD @ 27.4 ** | | ** 27.28 4/18/1979 |
| | -----27----- | |
| Flood water overtops Valley City D&LD @ 26.8 ** | | ** 26.45 5/31/1995 |
| Flood water overtops Scott County D&LD
and Big Swan D&LD @ 25.7 ** | | ** 25.95 7/31/1993 |
| Residential Structure in Valley City begins to flood @ 25.6 ** | | ** 25.69 5/19/2002 |
| Flooding begins to affect residences in Florence @ 25.5 ** | | |
| | -----25----- | |
| Floodfighting begins at Scott County D&LD @ 24.7 ** | | |
| Floodfighting begins at Valley City D&LD @ 24.2 ** | | |
| Flood begins to affect businesses in Florence @ 23.7 ** | | |
| | -----23----- | |
| Second abandoned business in
Valley City begins to flood @ 22.6 ** | | ** 21.45 6/7/1996 ; 21.22 9/25/2008 |
| Floodfighting begins at Big Swan D&LD @ 21.0 ** | -----21----- | ** MAJOR FLOOD STAGE 21.0' (NWS) |
| Low roads in Florence overtopped @ 20.3 ** | | |
| Cargill Company in Florence begins flood fighting @ 20.1 ** | | |
| | | ** 19.27 5/17/1998 |
| | -----19----- | |
| | | ** 18.49 3/2/2001 |
| Abandoned business in Valley City begins to
flood and main road is overtopped @ 18.0 ** | -----17----- | ** MODERATE FLOOD STAGE 16.0' (NWS) |
| | -----15----- | |
| Road to Norbut Fish & Wildlife area flooded @ 14.0 ** | | ** 14.06 6/21/2004 |
| | -----13----- | |
| | -----11----- | ** FLOOD STAGE 11.0' |
| | + + + + + + + + + + | |

ELEVATION ZERO: 418.00
NGVD 1929

Sandbags were stacked 4' high at Eldred which prevented damage to about 1 block of houses.

At Kampsville the Kampsville Inn & American Legion were damaged on 7/3, Ill. Rte 96 & 100 closed on 7/6, Gardener's Grocer was damaged on 7/7, the detour for Rte. 96 & 100 was closed on 7/12, the sandbags overtopped and homes flooded on 7/22, the Town Hall flooded on 7/31, St. Annelis Church was damaged on 8/31.

Three residences were damaged at Pearl and Ill. Rte. 100 was closed to traffic from July 7 to August 18.

Thirty-eight residences, 3 businesses, and 2 churches in Hillview were flooded. Nine residences were flooded in Bedford.

At Hardin the sewage and water treatment plants were damaged. Sandbags were placed around the medical facility and nursing home at the south end of town but the facilities had to be evacuated and were eventually damaged when these temporary levees failed. Sandbag levees were placed all along the river but they failed causing damage to the bank, the village hall and fire department. About 80 buildings were damaged in Hardin. With the closure of the ferries at Grafton and Kampsville and the flooding of Ill. Rte. 100 on the east side of the Illinois River due to the failure of the Nutwood levee Hardin and most of Calhoun County could be reached by land only on township roads along the bluffs to the north.

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IROQUOIS RIVER AT IROQUOIS, ILLINOIS

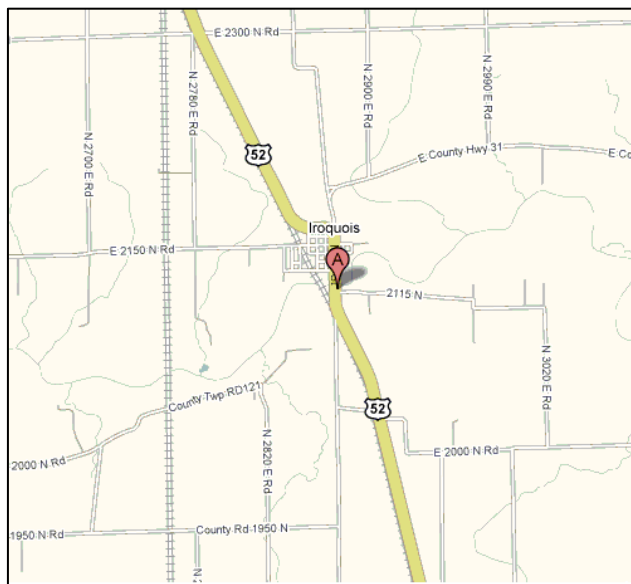
USGS GAGE NUMBER: 05525000

LOCATION: In Iroquois County, on the left bank on the upstream side of the U.S. Highway 52 bridge in Iroquois. 500 ft. upstream from the Penn Central Railroad bridge, 4.5 miles downstream from Illinois-Indiana State line, and at river mile 50.4.

SE 1/4, Sec. 15, Twp. 27N, Rng. 11W

40°49'22"N, 87°34'53"W NAD27

Drainage Area = 686 mi²



STAGE

Iroquois River
Iroquois, IL
IRQI2

| NARRATIVE | STAGE | HISTORICAL |
|--|-------------------------------------|--------------------------------------|
| Water reaches bottom of US Hwy 52 bridge @ 29.60 ** | + + + + + + + + + +
-----30----- | |
| Water affects houses near US Hwy 52 bridge @ 27.0 ** | -----28----- | ** 26.31 6/13/1958 |
| River bottom land and houses begin to flood @ 25.0 ** | -----26----- | ** 25.75 1/09/2008 ; 25.74 7/12/2003 |
| | | ** MAJOR FLOOD STAGE 25.0' (NWS) |
| | | ** 24.59 12/30/1990 |
| | -----24----- | ** MODERATE FLOOD STAGE 24.0' (NWS) |
| | | ** 23.81 3/5/1979 |
| | | ** 23.46 3/13/1990 ; 23.54 1/14/2005 |
| | | ** 23.35 10/21/1993 |
| | | ** 22.74 6/13/2004 |
| | | ** 22.29 1/7/1993 |
| | -----22----- | ** 21.94 2/28/1997 |
| | | ** 20.10 5/28/1995 |
| Agricultural areas near the river begin to flood @ 18.0 ** | -----18----- | ** FLOOD STAGE 18.0' |
| | -----16----- | ELEVATION ZERO: 614.34
NGVD 1929 |

IROQUOIS RIVER AT WATSEKA, ILLINOIS

USGS GAGE NUMBER: NONE*

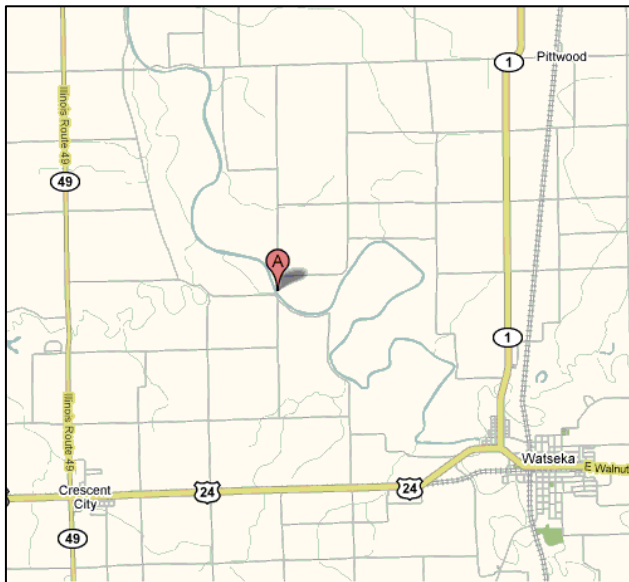
LOCATION: In Iroquois County, at county road bridge 3.0 miles west of and 2.75 miles north of Watseka, and at mile 23.4.

NE 1/4, Sec. 22, Twp. 27N, Rng. 13W

40°48'45"N, 87°48'26"W

Drainage Area = 1325 mi²

*Data regarding flood stages are based upon a gage operated by the IDNR/Office of Water Resources at this station.



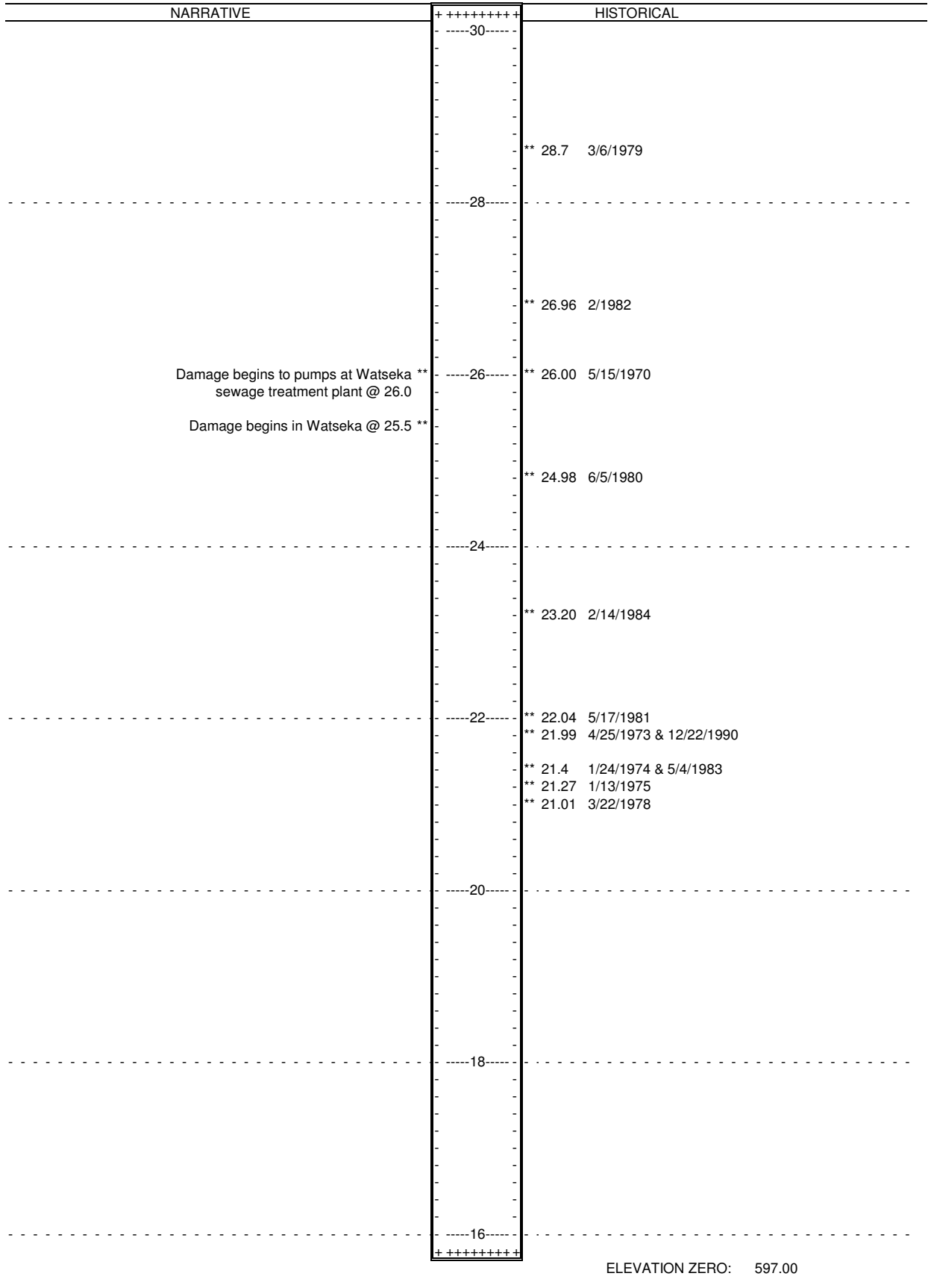
2008 FLOOD INFORMATION

Floodwaters overtopped the gage house and destroyed the streamgage equipment during the January flood event.

475 properties were damaged with 22 of those being substantially damaged (50% or more damage to the structure.)

STAGE

Iroquois River
Watseka, IL



ELEVATION ZERO: 597.00

IROQUOIS RIVER NEAR CHEBANSE, ILLINOIS

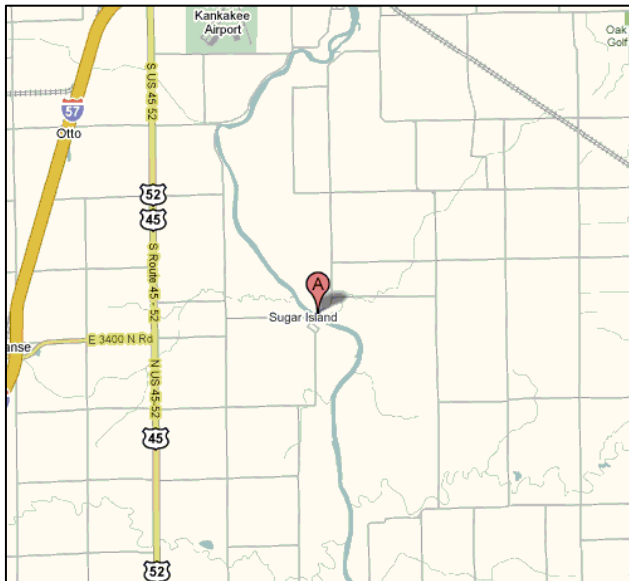
USGS GAGE NUMBER: 05526000

LOCATION: In Kankakee County, on the right bank at the upstream side of the county highway bridge, 3.1 miles downstream from Beaver Creek, 4.5 miles east of Chebanse, and at river mile 6.5.

SW 1/4, Sec. 10, Twp. 29N, Rng. 13W

41°00'32"N, 87°49'24"W NAD27

Drainage Area = 2,091 mi²



STAGE

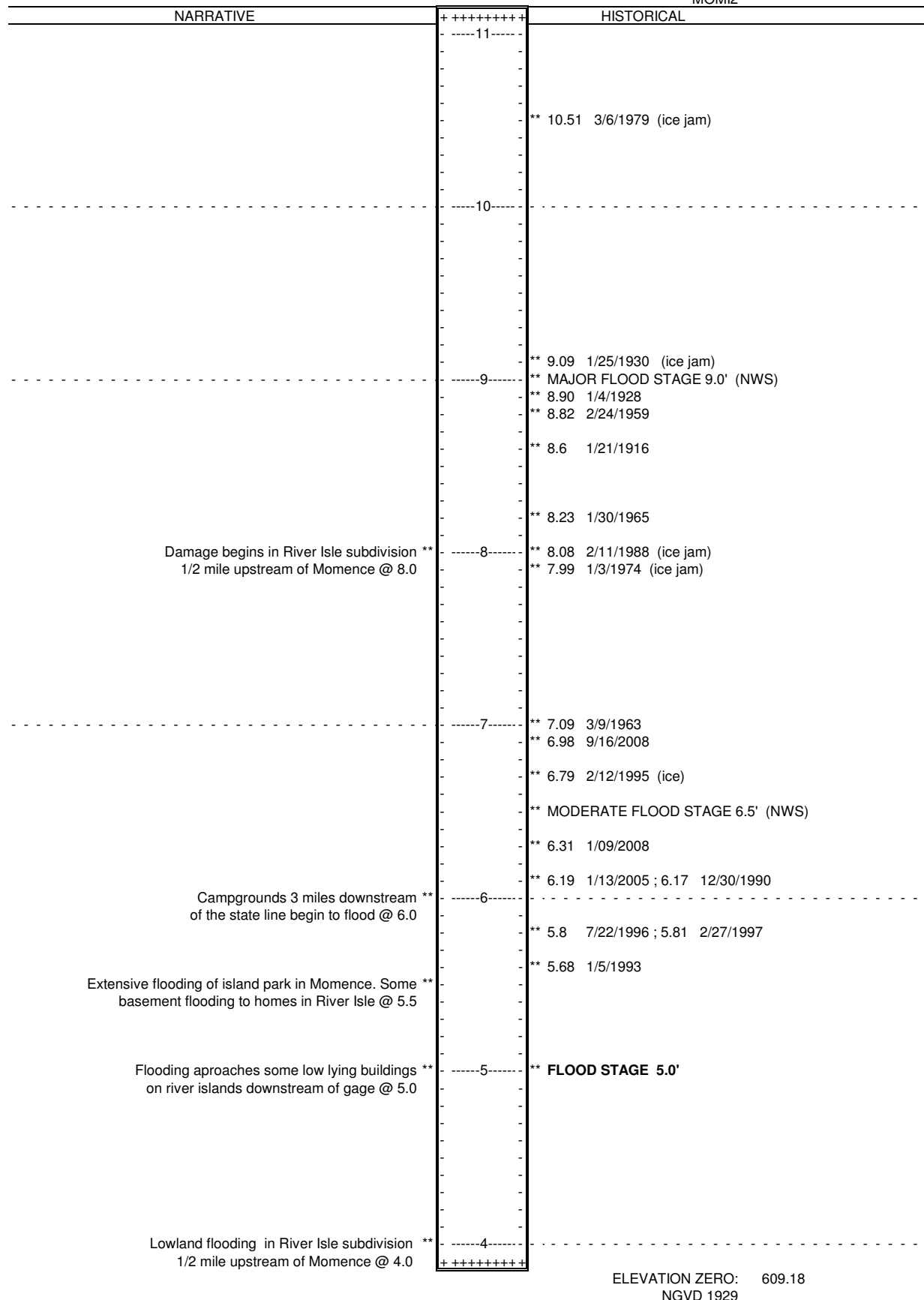
Iroquois River
Chebanse, IL
CHBI2

| NARRATIVE | STAGE | HISTORICAL |
|---|--------------|---|
| | -----22----- | |
| | | ** 21.68 3/7/1979 (backwater)
** 21.6 spring 1913 |
| | -----21----- | |
| | | ** 20.07 1/11/2008 ; 20.1 5/13/1933
** MAJOR FLOOD STAGE 20.0' (NWS) |
| | -----20----- | |
| | | ** 19.68 5/20/1943
** 19.60 1/1/1913 |
| | -----19----- | |
| | | ** 18.96 2/24/1982 |
| Evacuations begin in Watseka @ 18.5 ** | | ** 18.63 1/15/2005 ; 18.6 5/15/1970 |
| | | ** 18.22 1/1/91 |
| Secondary roads near river flood @ 18.0 ** | -----18----- | ** MODERATE FLOOD STAGE 18.0' (NWS) |
| | | ** 17.76 2/25/1985
** 17.7 2/4/1968 |
| | | ** 17.24 3/13/1990 |
| | -----17----- | |
| | | ** 16.92 4/15/1994 |
| | -----16----- | |
| Agricultural land and some outbuildings near the river **
begin to be affected by floodwaters @ 16.0 | | ** 16.12 3/26/2007
** FLOOD STAGE 16.0' |
| | -----15----- | |
| Farmland several miles US floods @ 12.5 ** | +++++++ | |

ELEVATION ZERO: 595.99
NGVD 1929

STAGE

Kankakee River
Momence, IL
MOMI2



ELEVATION ZERO: 609.18
NGVD 1929

KANKAKEE RIVER NEAR WILMINGTON, ILLINOIS

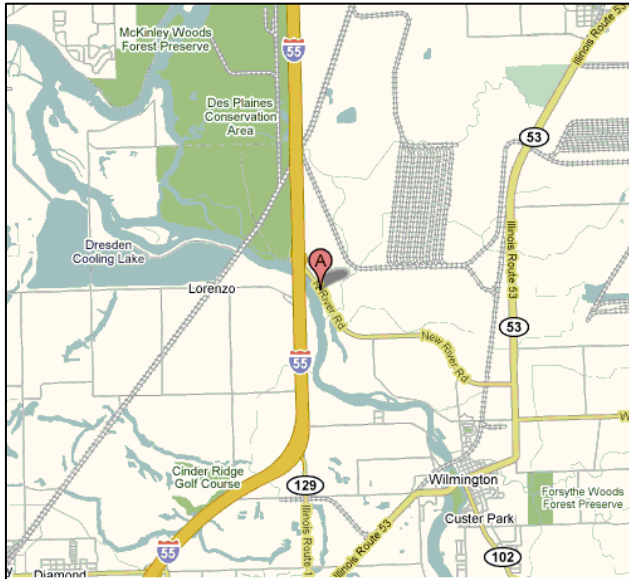
USGS GAGE NUMBER: 05527500

LOCATION: In Will County, on the right bank, 0.4 mile downstream from Prairie Creek, 0.5 mile upstream from the bridge on Interstate 55, 5 miles downstream from Wilmington, and at river mile 5.7.

NW 1/4, Sec. 15, Twp. 33N, Rng. 9E

41°20'48"N, 88°11'11"W NAD27

Drainage Area = 5,150 mi²

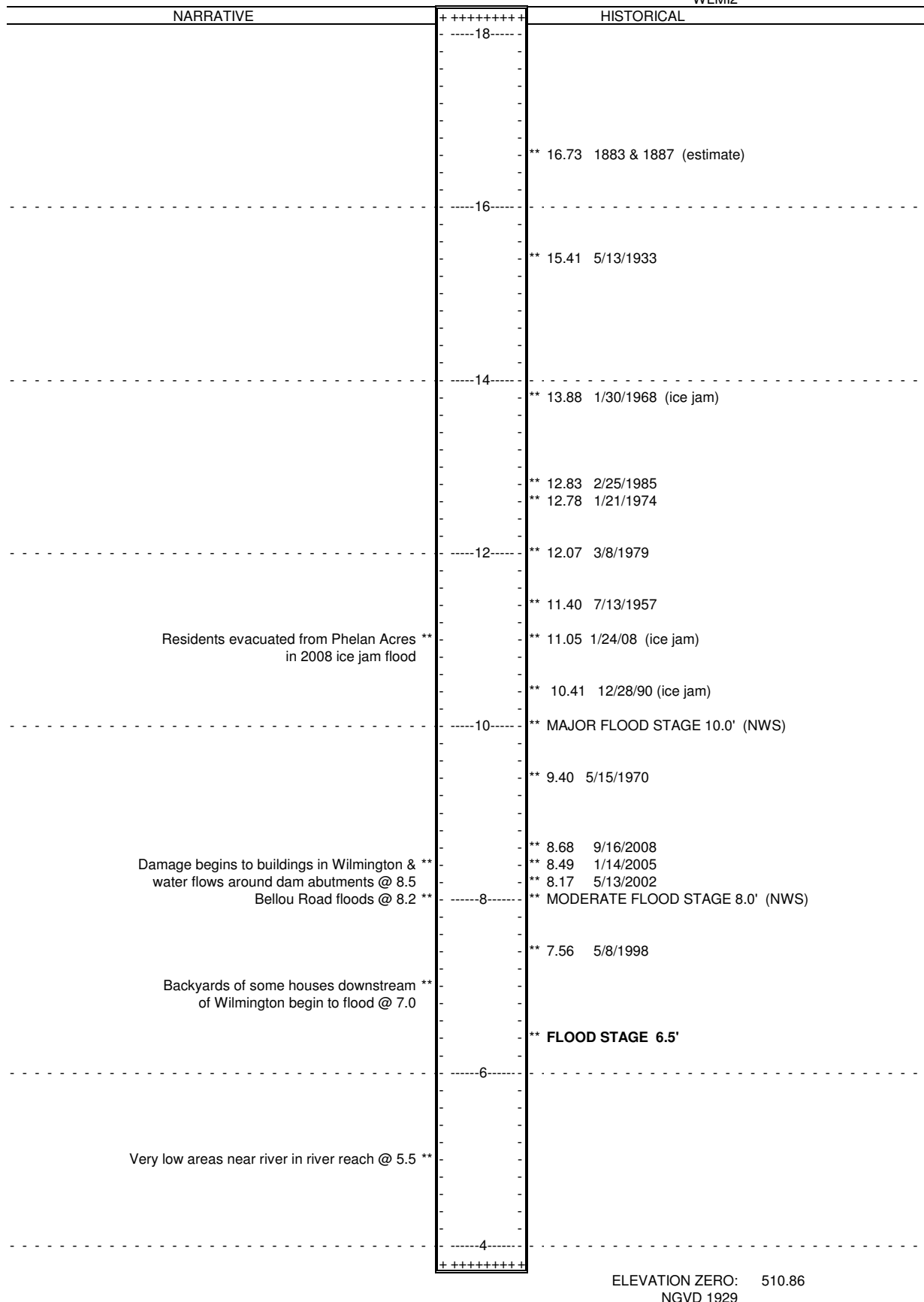


2008 FLOOD INFORMATION

An ice jam in January caused extensive flooding and evacuations in the Phalen Acres subdivision west of I-55.

STAGE

Kankakee River
Wilmington, IL
WLM12



ELEVATION ZERO: 510.86
NGVD 1929

KASKASKIA RIVER AT SHELBYVILLE RESERVOIR POOL AT SHELBYVILLE, ILLINOIS

USGS GAGE NUMBER: none

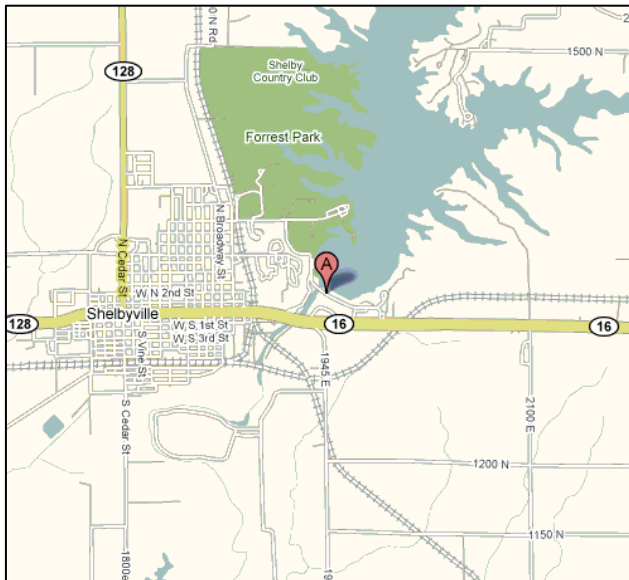
LOCATION: In Shelby County, at Shelbyville Dam on Kaskaskia River east of Shelbyville, and at river mile 197.9.

SE 1/4, Sec. 8, Twp. 11N, Rng. 4E

39°24'22"N, 88°47'00"W

Drainage Area = 1054 mi²

*Data regarding flood stages are based upon a gage operated by the Corps of Engineers, St. Louis District.

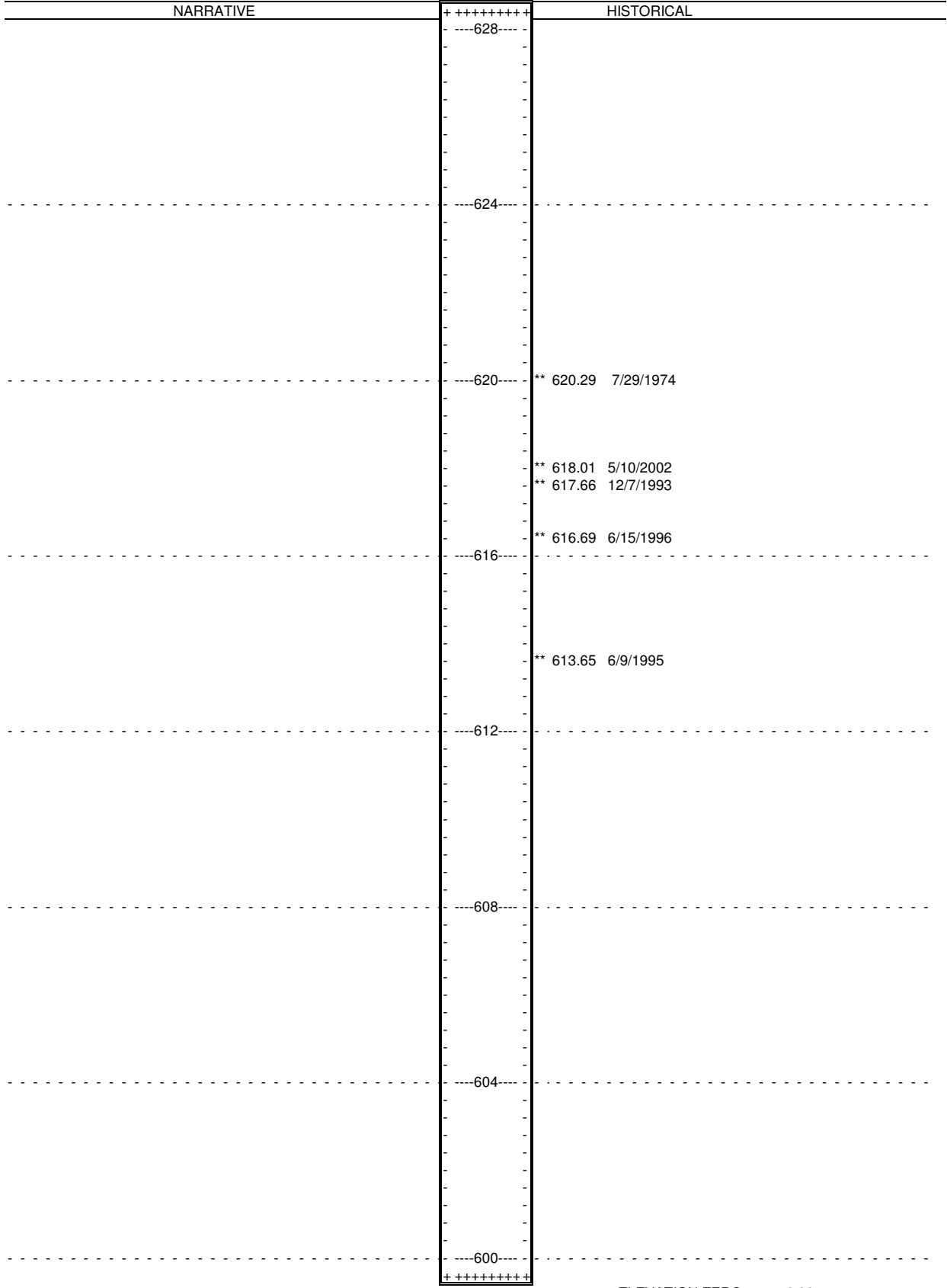


STAGE

Kaskaskia River
Shelbyville Pool
SBY12

NARRATIVE

HISTORICAL



ELEVATION ZERO: 0.00
NGVD 1929

KASKASKIA RIVER AT SHELBYVILLE RESERVOIR TAILWATER AT SHELBYVILLE, ILLINOIS

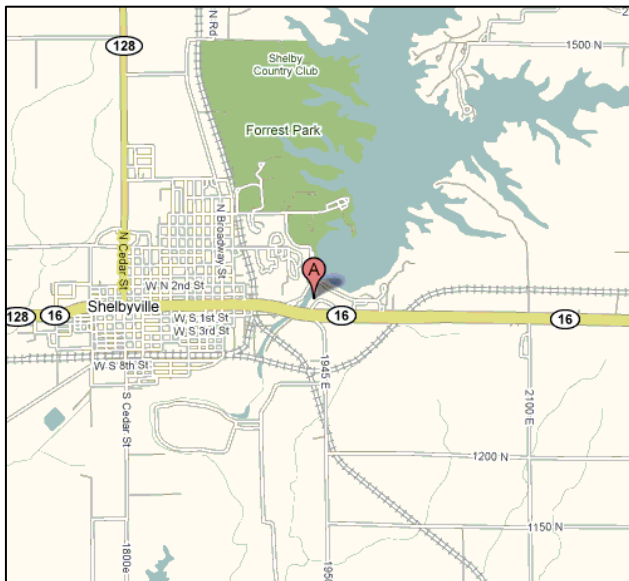
USGS GAGE NUMBER: 05592000

LOCATION: In Shelby County, on the left bank 700 feet downstream of Shelbyville Dam, and at river mile 197.5.

SE 1/4, Sec. 8, Twp. 11N, Rng. 4E

39°24'26"N, 88°46'53"W NAD27

Drainage Area = 1054 mi²



STAGE

Kaskaskia River
Shelbyville Tailwater

NARRATIVE

HISTORICAL



564

560

556

552

548

544

540

536

- ** 558.15 6/29/1957
- ** MAJOR FLOOD STAGE 558.0' (NWS)
- ** MODERATE FLOOD STAGE 557.0' (NWS)
- ** 556.95 5/19/1943
- ** 556.41 1/5/1950
- ** 555.48 5/27/1968
- ** 554.28 2/11/1959 & 4/24/1944
- ** 553.98 2/22/1951
- ** 553.48 6/25/1960
- ** 553.08 6/7/1947
- ** 552.95 12/10/1967

Some low lying areas begin to flood @ 549.0 **

** FLOOD STAGE 549.0'

ELEVATION ZERO: 0.00
NGVD 1929

KASKASKIA RIVER AT VANDALIA, ILLINOIS

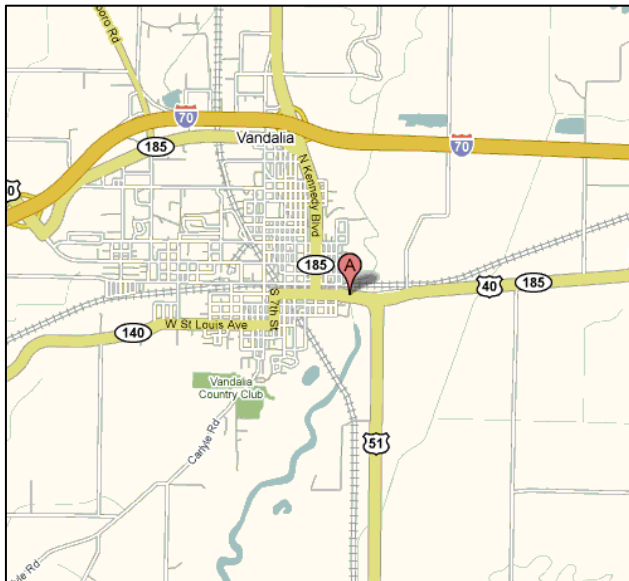
USGS GAGE NUMBER: 05592500

LOCATION: In Fayette County, on the right bank at the upstream side of Gallatin Street bridge in Vandalia, 3.5 miles upstream from Hickory Creek, and at river mile 135.7.

SE 1/4, Sec. 16, Twp. 6N, Rng. 1E

38°57'38"N, 89°05'20"W NAD27

Drainage Area = 1,940 mi²

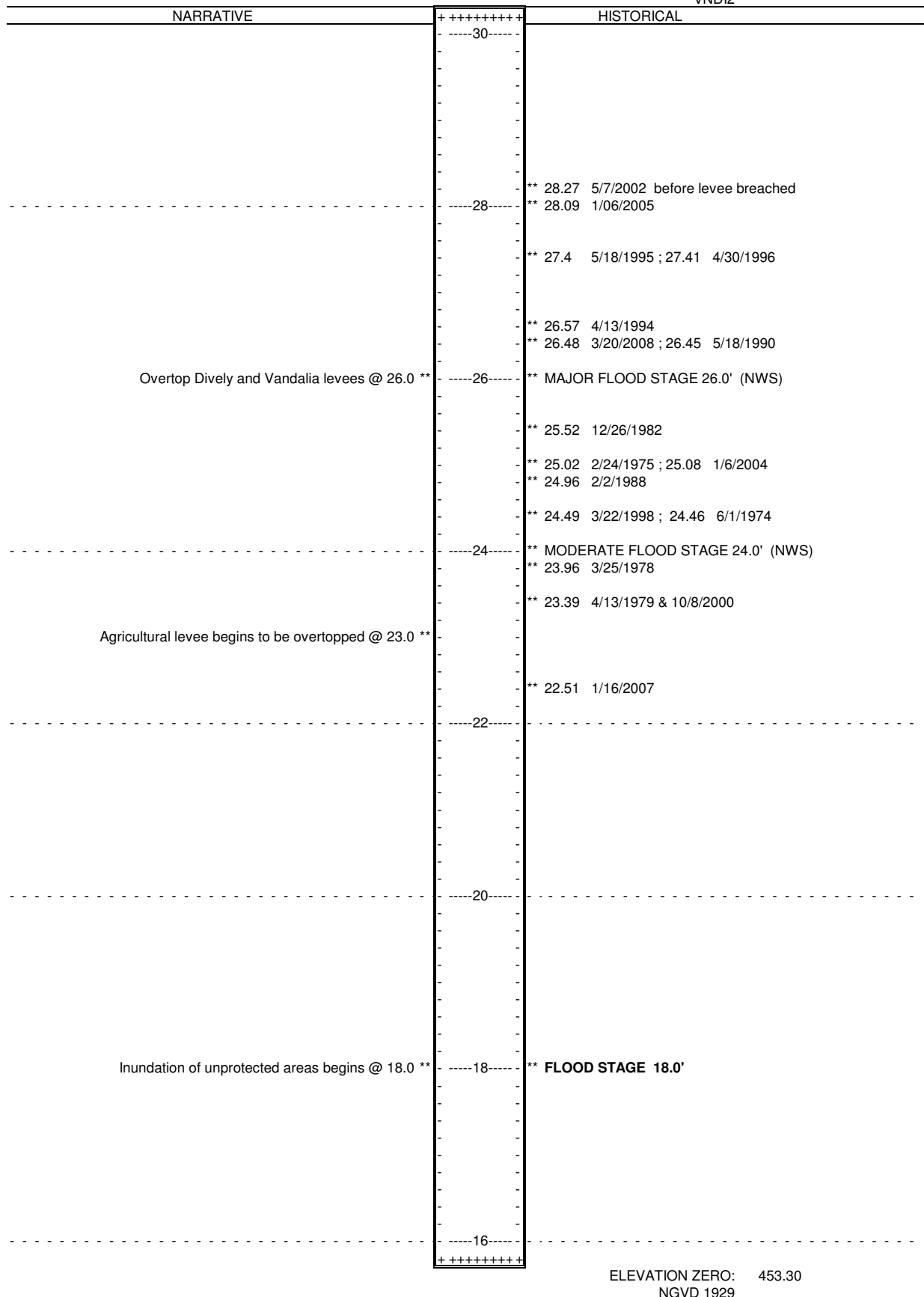


FLOOD INFORMATION

Six breaks in 1979 from Illinois Correction Center to 1 mile south of Vandalia

STAGE

Kaskaskia River
Vandalia, IL
VNDI2



ELEVATION ZERO: 453.30
NGVD 1929

KASKASKIA RIVER AT CARLYLE RESERVOIR TAILWATER AT CARLYLE, ILLINOIS

USGS GAGE NUMBER: NONE*

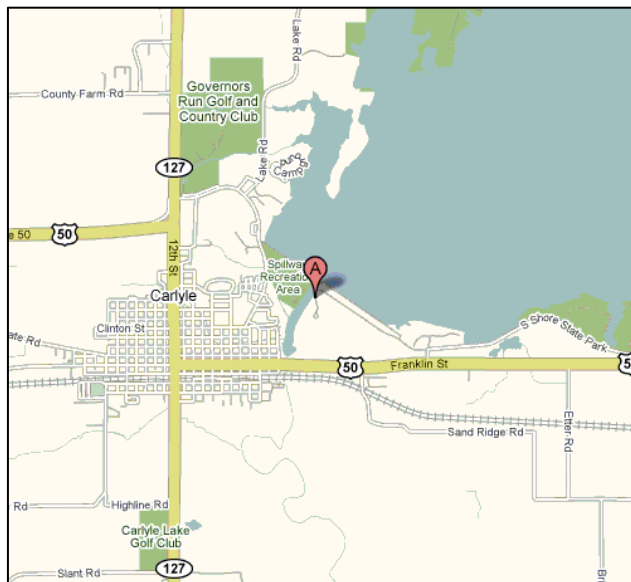
LOCATION: In Clinton County, 300 ft. downstream from dam at Carlyle, and at river mile 94.0.

SE 1/4, Sec. 18, Twp. 2N, Rng. 2W

38°37'02"N, 89°21'14"W NAD27

Drainage Area = 2717 mi²

*Data regarding flood stages are based upon a gage operated by the Corps of Engineers, St. Louis District.



Normal Pool 445.00

Pool record 459.8 5/19/02

STAGE

Kaskaskia River
Carlyle TW

| NARRATIVE | STAGE | HISTORICAL |
|--|---------------|--|
| | -----437----- | |
| | | ** 436.61 5/21/1943 |
| Overtop Heimann Levee @ 436.0 ** | | |
| | | |
| Overtop Santa Fe, Hanover, and Germantown levees @ 435.0 ** | -----435----- | ** MAJOR FLOOD STAGE 435.0' (NWS) |
| | | ** 434.2 1/7/1950 |
| | | |
| | -----433----- | |
| | | |
| | -----431----- | ** MODERATE FLOOD STAGE 431.0' (NWS) |
| | | |
| Damage begins to residences near Bartelso and backwater begins to damage Germantown sanitary sewer facilities @ 430.0 ** | | ** 429.8 7/3/1960 |
| | | |
| | -----429----- | |
| | | ** 428.2 5/10/1970 ; 428.3 12/14/1986 |
| | | |
| | -----427----- | ** 427.23 4/15/1979 ; 427.21 6/7/2002 |
| | | ** 427.04 3/21/1978 |
| | | ** 426.92 11/24/1993 |
| | | ** 426.64 5/27/2002 |
| | | ** 426.42 1/15/1985 |
| | | ** 425.77 2/16/2001 |
| | -----425----- | ** 425.15 5/28/1995 ; 425.14 1/08/2004 |
| Cabins just below dam are inundated @ 424.5 ** | | |
| | | |
| Rural damage begins, township roads in Covington become inundated @ 423.5 ** | | ** FLOOD STAGE 423.5' |
| | -----423----- | |
| | +++++++ | |

ELEVATION ZERO: 0.00
NGVD 1929

KASKASKIA RIVER AT CARLYLE, ILLINOIS (US 50)

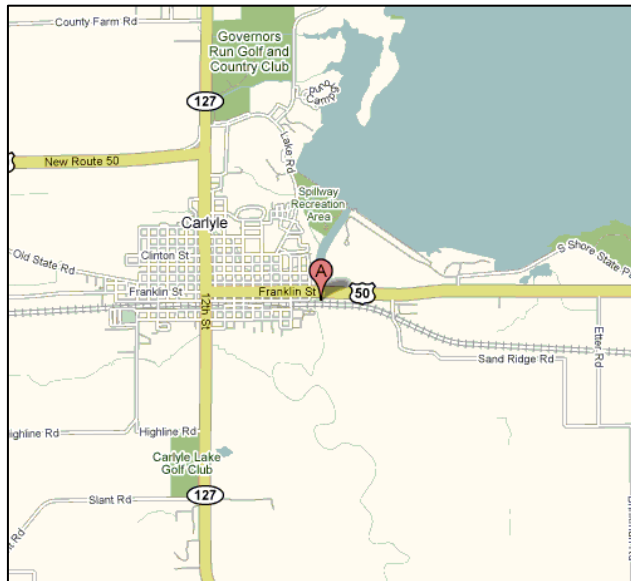
USGS GAGE NUMBER: 05593000

LOCATION: In Clinton County, on the right bank 300 ft. downstream the bridge on US HWY 50 at Carlyle, 16.5 miles upstream from Crooked Creek and at river mile 94.0.

SE 1/4, Sec. 18, Twp. 2N, Rng. 2W

38°36'42"N, 89°21'22"W NAD27

Drainage Area = 2719 mi²



KISHWAUKEE RIVER AT BELVIDERE, ILLINOIS

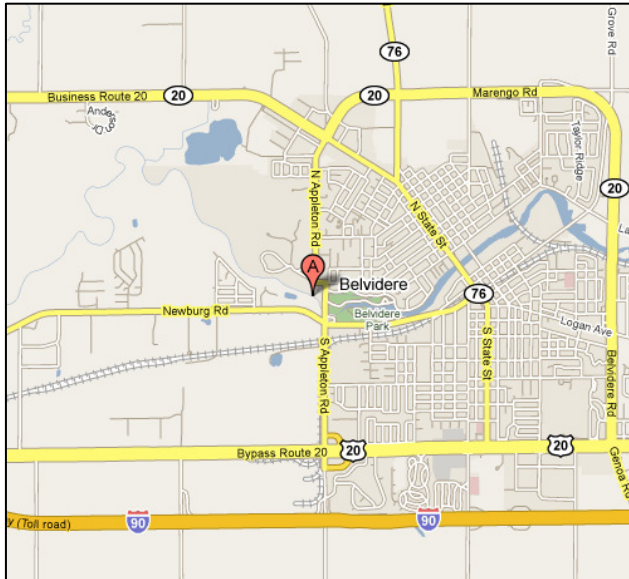
USGS GAGE NUMBER: 05438500

LOCATION: In Boone County, on the left bank at the Belvidere sewage-treatment plant, 1.3 miles downstream from the bridge on State Street in Belvidere, 3.0 miles downstream from Piscasaw Creek, and at river mile 21.9.

SE 1/4, Sec. 27, Twp. 44N, Rng. 3E

42°15'22"N, 88°51'47"W NAD27

Drainage Area = 538 mi²

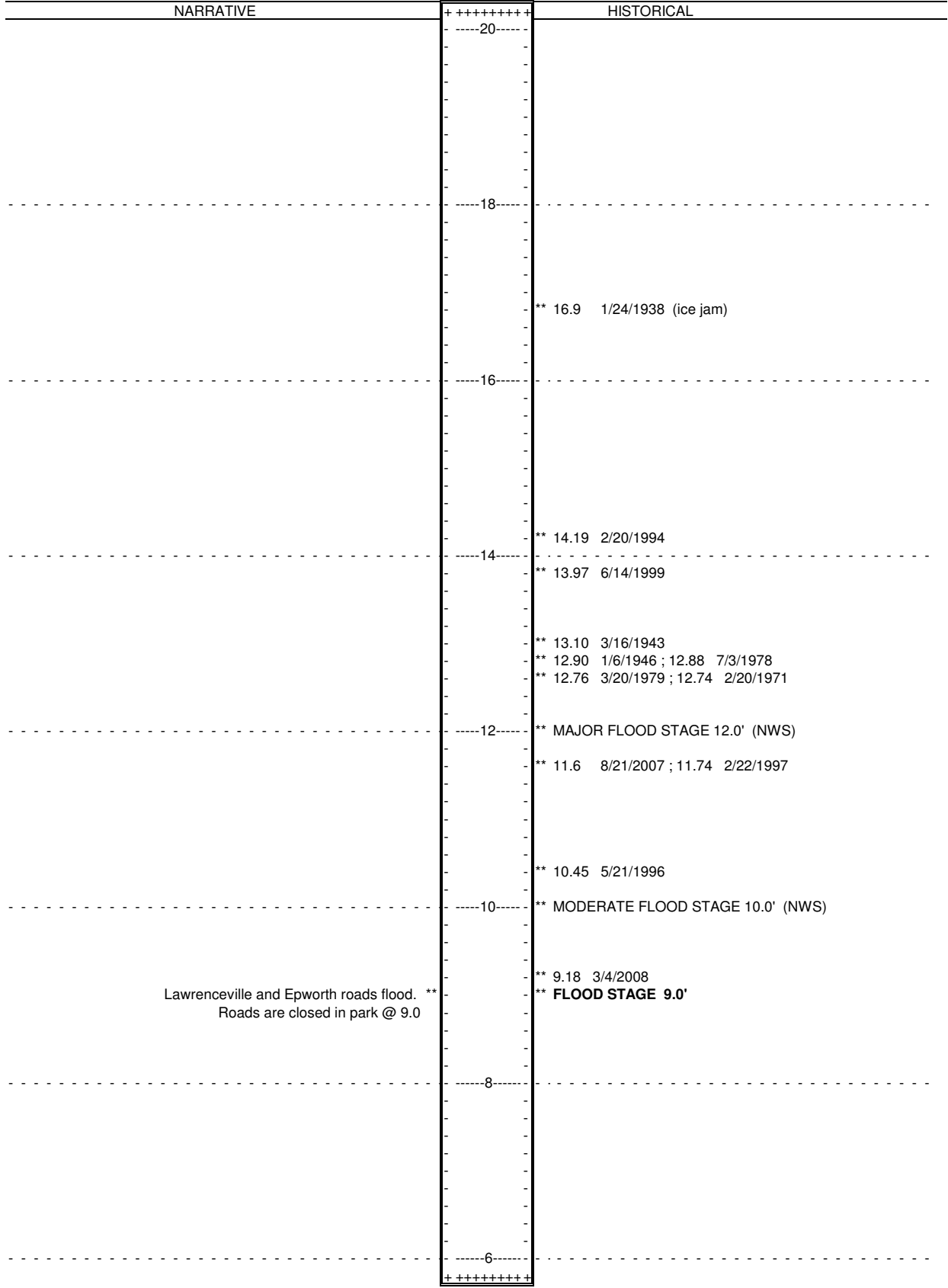


STAGE

Kishwaukee River
Belvidere, IL
BVDI2

NARRATIVE

HISTORICAL



Lawrenceville and Epworth roads flood. **
Roads are closed in park @ 9.0

ELEVATION ZERO: 738.34
NGVD 1929

KISHWAUKEE RIVER NEAR PERRYVILLE, ILLINOIS

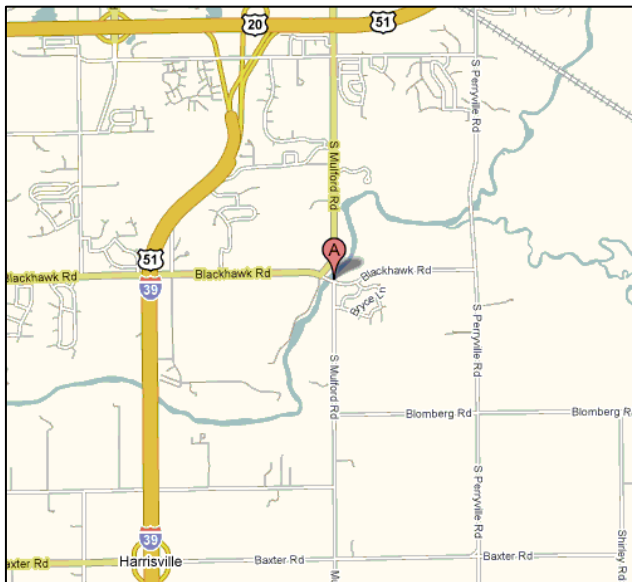
USGS GAGE NUMBER: 05440000

LOCATION: In Winnebago County, on the left bank at the upstream side of the bridge on Blackhawk Road, 1.4 miles downstream from South Branch Kishwaukee River, 2 miles southwest of Perryville, 7.1 miles upstream from Killbuck Creek, and at river mile 9.6.

NE 1/4, Sec. 21, Twp. 43N, Rng. 2E

42°11'40"N, 88°59'56"W NAD83

Drainage Area = 1,099 mi²



STAGE

Kishwaukee River
Perryville, IL
PRY12

| NARRATIVE | + + + + + + + + + + | HISTORICAL |
|--|---------------------|--------------------------------------|
| | -----24----- | |
| | | ** 23.85 1/1938 |
| | | ** 23.54 7/18/1996 |
| | | |
| Damage begins to residences in Cherry Valley @ 22.0 ** | -----22----- | ** MAJOR FLOOD STAGE 22.0' (NWS) |
| | | |
| | | ** 20.71 2/21/1994 |
| | | ** 20.48 3/21/1979 |
| | -----20----- | |
| | | ** 19.76 2/22/1997 |
| | | ** 19.65 4/22/1973 |
| Preserve roads inundated, one home isolated @ 19.0 ** | | ** 18.96 6/15/1999 |
| | | ** 18.59 6/5/2002 |
| | | ** 18.39 7/3/1978 |
| | | ** 18.27 5/17/1974 |
| Water approaches some homes in New Milford in the Will James Road area @ 18.0 ** | -----18----- | ** MODERATE FLOOD STAGE 18.0' (NWS) |
| | | ** 17.56 8/25/2007 |
| | | |
| | | ** 16.70 1/31/1988 (ice jam) |
| | | ** 16.62 3/24/1993 |
| Damage begins to residences downstream of Belt Line Road and downstream of U.S. Rt. 51 @ 16.0 ** | -----16----- | |
| | | |
| | | ** 15.06 3/3/2008 |
| | -----14----- | |
| | | ** 13.71 5/24/2004 ; 13.68 2/26/1985 |
| Minor flooding in Cherry Valley city park @ 12.0 ** | -----12----- | ** FLOOD STAGE 12.0' |
| | | |
| Minor flooding of rural lands @ 10.0 ** | -----10----- | |
| | + + + + + + + + + + | |

ELEVATION ZERO: 692.13
NGVD 1929

LAMOINE RIVER AT COLMAR, ILLINOIS

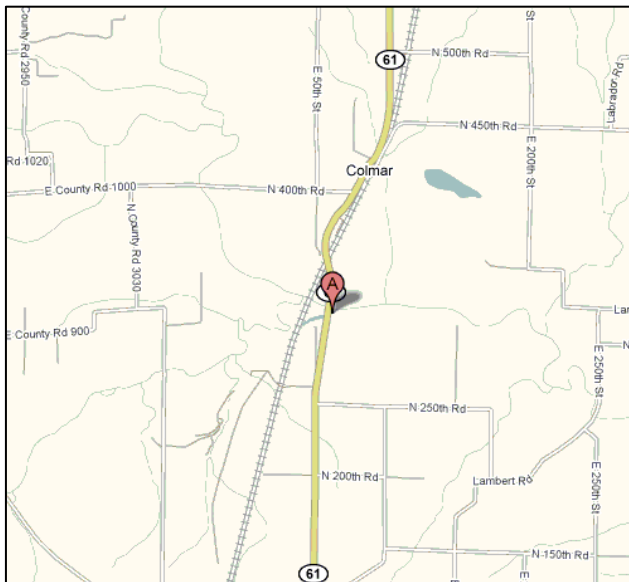
USGS GAGE NUMBER: 05584500

LOCATION: In McDonough County, along the right bank on the downstream side of the bridge on State Highway 61, 0.2 mile downstream from the Burlington Northern Santa Fe Railroad bridge, 1 mile southwest of Colmar, and at river mile 61.8.

SW 1/4, Sec. 18, Twp. 4N, Rng. 4W

40°19'49"N, 90°53'46"W NAD27

Drainage Area = 655 mi²



STAGE

Lamoine River
Colmar, IL
CLMI2

| NARRATIVE | | HISTORICAL |
|---|-------------------------------------|--|
| Colmar: rivergagage equipment inoperable @ 32.4 **
Colmar: IL Hwy 61 bridge rails underwater @ 32.0 ** | + + + + + + + + + +
-----32----- | |
| Water at BNSF RR bridge deck at Colmar @ 30.0 ** | -----30----- | |
| Water affects IL Hwy 61 near the La Moine River bridge @ 29.5 ** | | |
| Water is at the bottom of IL Hwy 136 bridge deck near Tennessee @ 28.5 ** | | |
| Water is at the bottom of IL Hwy 101 bridge deck at Brooklyn @ 28.0 ** | -----28----- | |
| Water is at the bottom of North 270th Road bridge @ 27.2 **
Birmingham: Water @ Camp Creek Road bridge deck & water affects some houses east of Plymouth @ 27.0 ** | | ** 27.03 1/3/1965 (ice jam)
** 26.61 3/5/1985 |
| Water is at the bottom of IL Hwy 61 and County Road 26 bridge decks @ 26.5 ** | -----26----- | ** 25.76 5/13/2002
** 25.69 10/4/1986 |
| Water is at the bottom of County Road 6 bridge deck near Saint Mary @ 25.5 ** | | ** 25.14 9/25/1970
** 24.81 6/21/1990 ; 24.79 6/4/1980 |
| Agricultural levees at Troublesome Creek confluence overtop and water affects a few houses near the McDonough -Schuyler county line @ 24.0 ** | -----24----- | ** 24.35 7/5/1981
** 24.23 7/26/1993 ; 24.21 5/28/1996
** MAJOR FLOOD STAGE 24.0' (NWS)
** 23.9 5/18/1995 |
| Water affects lower roads around Birmingham and agricultural land by the river @ 22.5 ** | | ** 23.26 2/19/2008 |
| Agricultural flooding along most of reach @ 21.0 ** | -----22----- | ** 22.32 12/12/2003
** MODERATE STAGE 22.0' (NWS) |
| Water affects Lambert Road and a portion of Lamar Road approximately 100 feet north of County Road 26 @ 20.0 ** | -----20----- | ** 21.42 6/25/2007

** FLOOD STAGE 20.0' |
| Bankfull. Lowest banks overflow and encroach agricultural land @ 18.5 ** | -----18----- | |
| | + + + + + + + + + + | ELEVATION ZERO: 491.53
NGVD 1929 |

LAMOINE RIVER AT RIPLEY, ILLINOIS

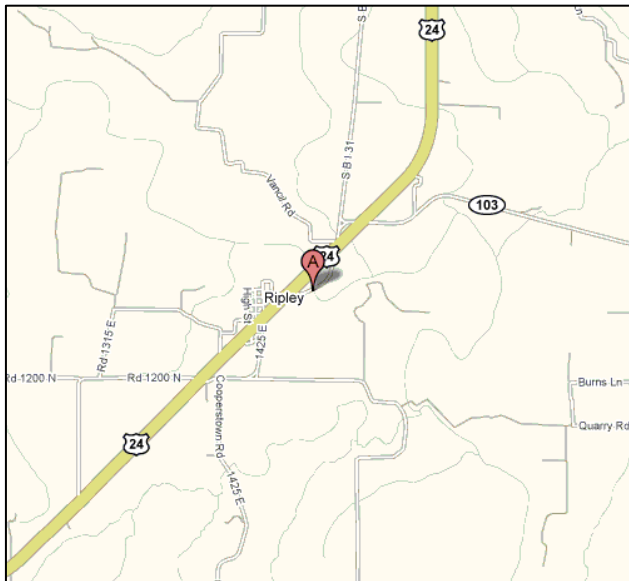
USGS GAGE NUMBER: 05585000

LOCATION: In Brown County, on the right bank 600 feet downstream from the bridge on U.S. Highway 24, 0.2 mile east of Ripley, 2 miles upstream from Town Branch, and at river mile 12.3.

NE 1/4, Sec. 33, Twp. 1N, Rng. 2W

40°01'29"N, 90°37'54"W NAD27

Drainage Area = 1,293 mi²



LITTLE CALUMET RIVER AT SOUTH HOLLAND, ILLINOIS

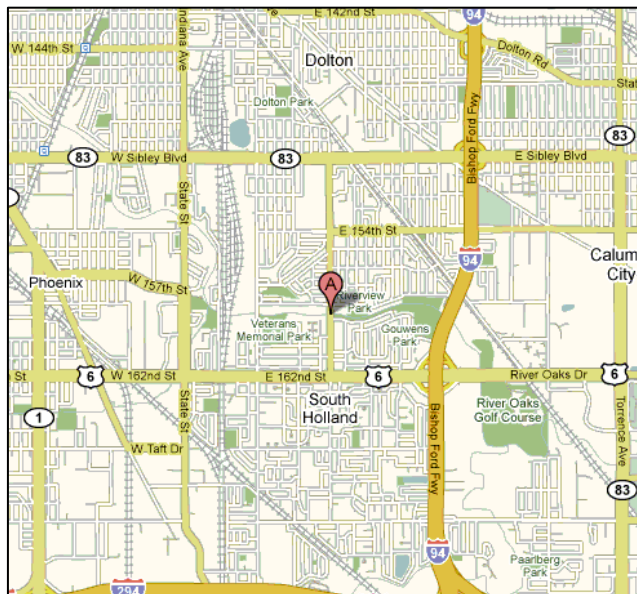
USGS GAGE NUMBER: 05536290

LOCATION: In Cook County, on the left bank at the downstream side of Cottage Grove Avenue bridge in South Holland, 2 miles downstream from Thorn Creek, and at river mile 23.0.

SE 1/4, Sec. 15, Twp. 36N, Rng. 14E

41°36'25"N, 87°35'52"W NAD27

Drainage Area = 208 mi²



2008 FLOOD INFORMATION

The Bishop Ford Freeway (I-94) was flooded and closed to traffic during the September event.

STAGE

Little Calumet River
South Holland, IL
SHLI2

NARRATIVE

HISTORICAL



| NARRATIVE | STAGE | HISTORICAL |
|---|-------|--|
| | 28 | |
| | 26 | |
| | 24 | |
| | 22 | |
| | 20 | ** 20.5 11/28/1990
** 20.20 6/14/1981
** 20.13 9/14/2008 ; 20.11 7/14/1957
** 20.01 7/19/1996 MAJOR FLOOD STAGE (NWS) |
| Residential structures along Drexel Rd flooded @ 19.0 ** | 19.0 | ** 19.46 12/4/1982
** 19.24 4/6/1947 ; 19.39 10/11/1954
** 19.1 2/22/1997 |
| Thorn Creek covers 170th St @ 18.0 **
Riverview & Drexel Roads inundated @ 17.9 ** | 18.0 | ** 18.58 6/02/1989
** 18.37 5/13/2002
** MODERATE FLOOD STAGE 18.0' (NWS)
** 17.82 2/24/1985 |
| | 16 | ** FLOOD STAGE 16.5' |
| Veterans Park inundated @ 15.0 ** | 15.0 | |
| | 14 | |

ELEVATION ZERO: 575.00
NGVD 1929

LITTLE WABASH RIVER BELOW CLAY CITY, ILLINOIS

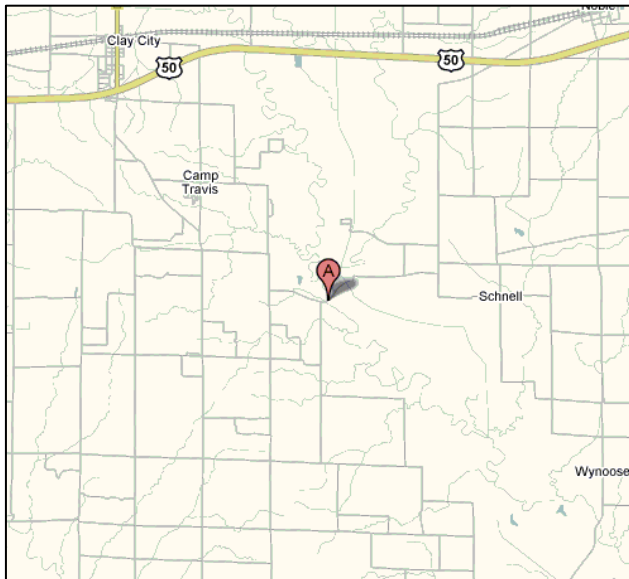
USGS GAGE NUMBER: 03379500

LOCATION: In Clay County, on the right bank 300 feet downstream from the bridge on county highway 23, 0.3 mile downstream from Big Muddy Creek, 5 miles southeast of Clay City, and at river mile 128.5.

SE 1/4, Sec. 3, Twp. 2N, Rng. 8E

38°38'05"N, 88°17'50"W NAD27

Drainage Area = 1131 mi²



LITTLE WABASH RIVER AT CARMİ, ILLINOIS

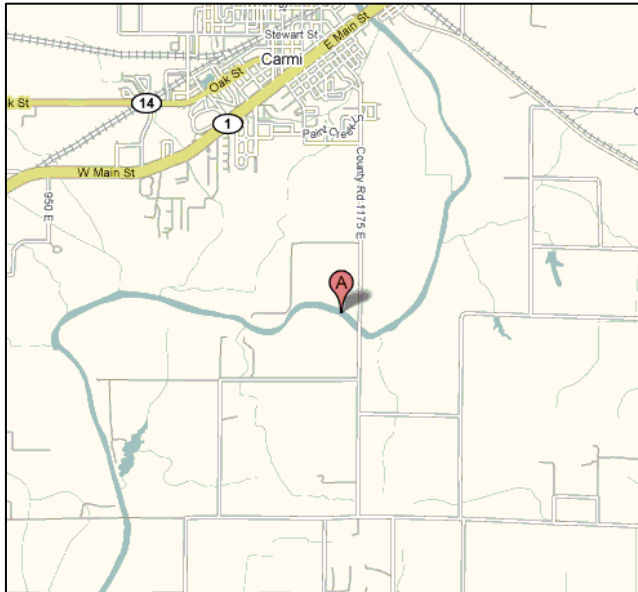
USGS GAGE NUMBER: 03381500

LOCATION: In White County, along the right bank on the downstream side of Possum Bridge, 2.3 miles south of Main Street bridge in Carmi, 7.8 miles downstream from Skillet Fork, and at river mile 30.5.

SE 1/4, Sec. 25, Twp. 5S, Rng. 9E

38°03'40"N, 88°09'35"W NAD27

Drainage Area = 3,102 mi²



MACKINAW RIVER NEAR CONGERVILLE, ILLINOIS

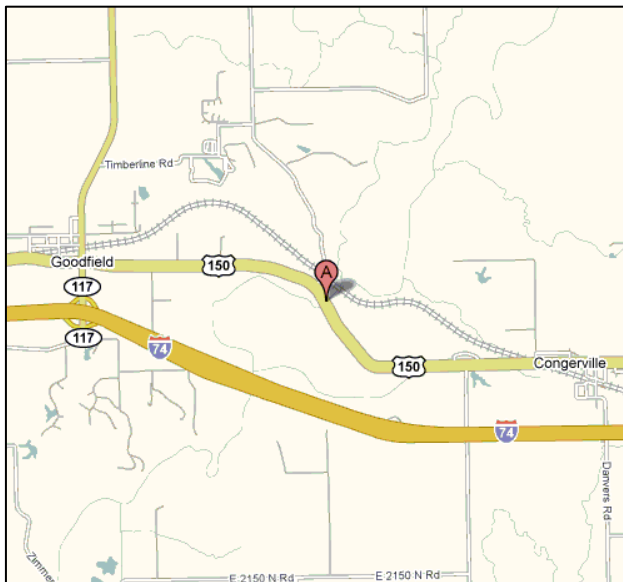
USGS GAGE NUMBER: 05567500

LOCATION: In Woodford County, along the right bank on the downstream side of the bridge on U.S. Highway 150, 0.2 mile downstream from Walnut Creek, 2 miles northwest of Congerville, and at river mile 58.7.

SW 1/4, Sec. 17, Twp. 25N, Rng. 1W

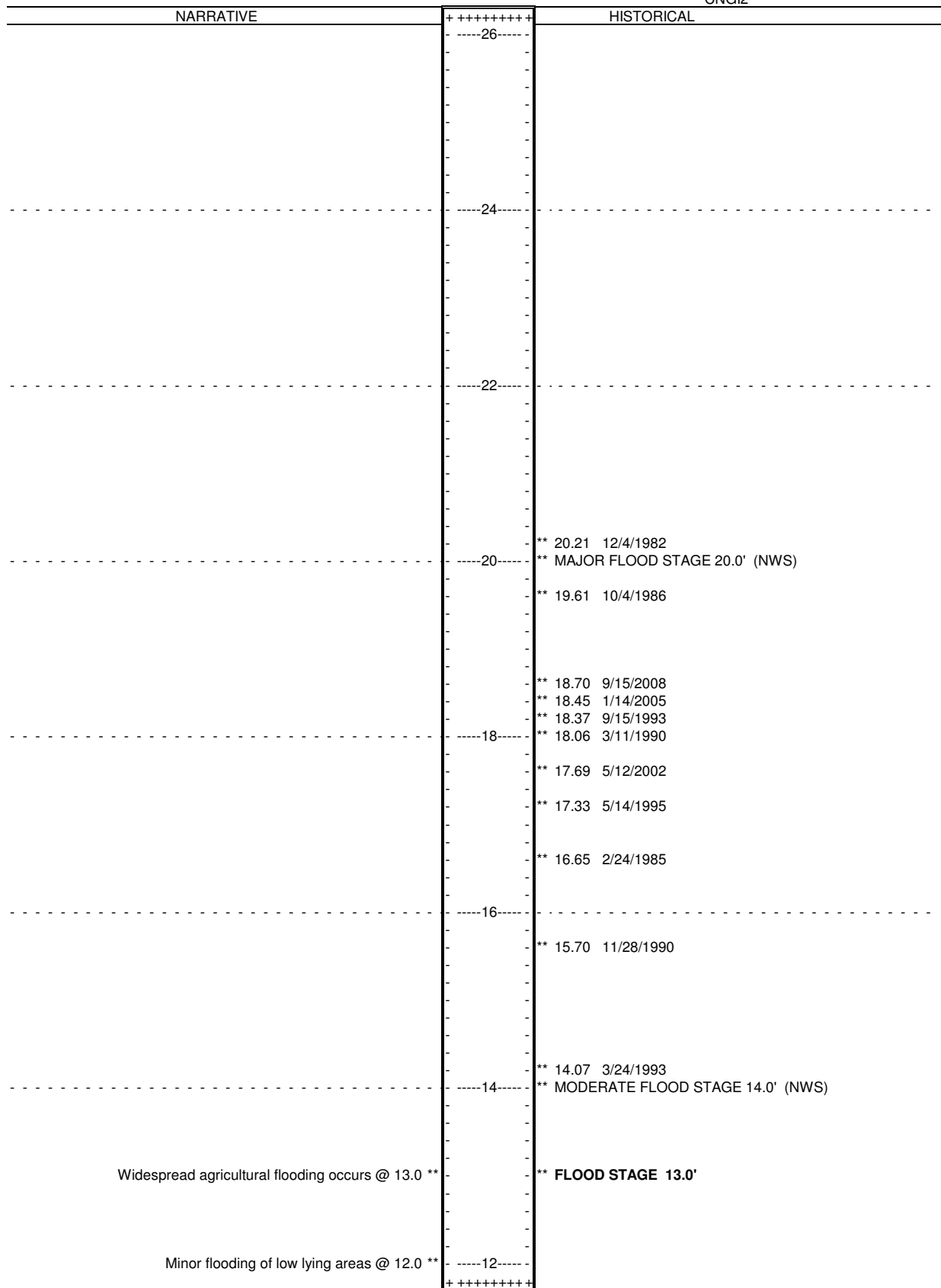
40°37'25"N, 89°14'30"W NAD27

Drainage Area = 767 mi²



STAGE

Mackinaw River
Congerville, IL
CNGI2



ELEVATION ZERO: 607.01
NGVD 1929

MACKINAW RIVER NEAR GREEN VALLEY, ILLINOIS

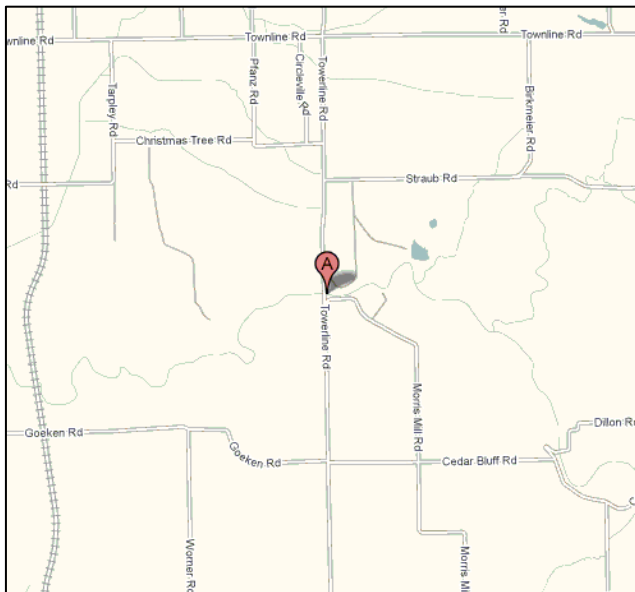
USGS GAGE NUMBER: 05568000

LOCATION: Located in Tazewell County, IL. along the right bank on the downstream side of the bridge on Towerline Road, 3.9 miles northeast of Green Valley, 2.5 miles east of State Highway 29, and at river mile 17.3.

SE 1/4, Sec. 12, Twp. 23N, Rng. 5W

40°27'15"N, 89°36'22"W NAD27

Drainage Area = 1,073 mi²



NOTE: This gage has been moved a couple of times and had different datums.

Prior to Jan 17, 1933 - 3.5 miles downstream on the railroad bridge just north of the State Highway 29. Datum = 479.10'

Jan 17 1933 to September 1952 - 3.6 miles downstream on the State Highway 29 bridge. Datum = 479 .10'

Oct 1952 to Sept 1988 - 3.6 mi downstream. on the State Highway 29 bridge. Datum = 477.10'

MISSISSIPPI RIVER AT LOCK AND DAM #11 TAILWATER, DUBUQUE, IOWA

USGS GAGE NUMBER: NONE*

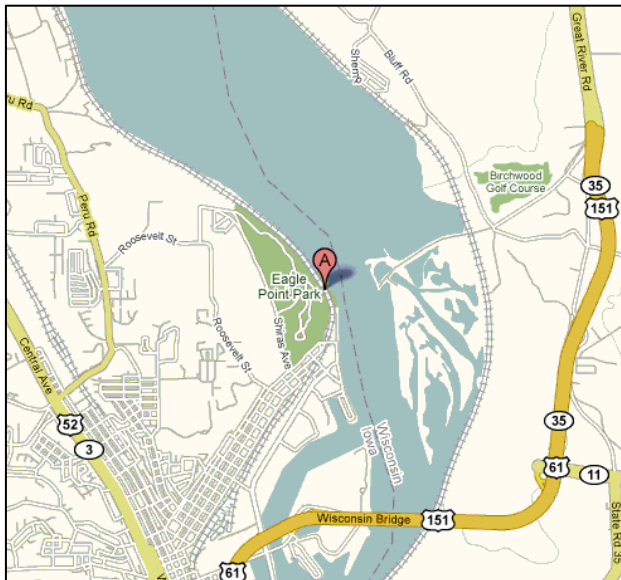
LOCATION: Dam 11 is located at 11 Lime Street, at the foot of the bluff below Eagle Point Park. It is 2.7 river miles upstream of the Highway 151 bridge, and at river mile 583.0 above mouth of the Ohio River.

NE 1/4, Sec. 7, Twp. 1N, Rng. 3E

42°32'19"N 90°38'47"W

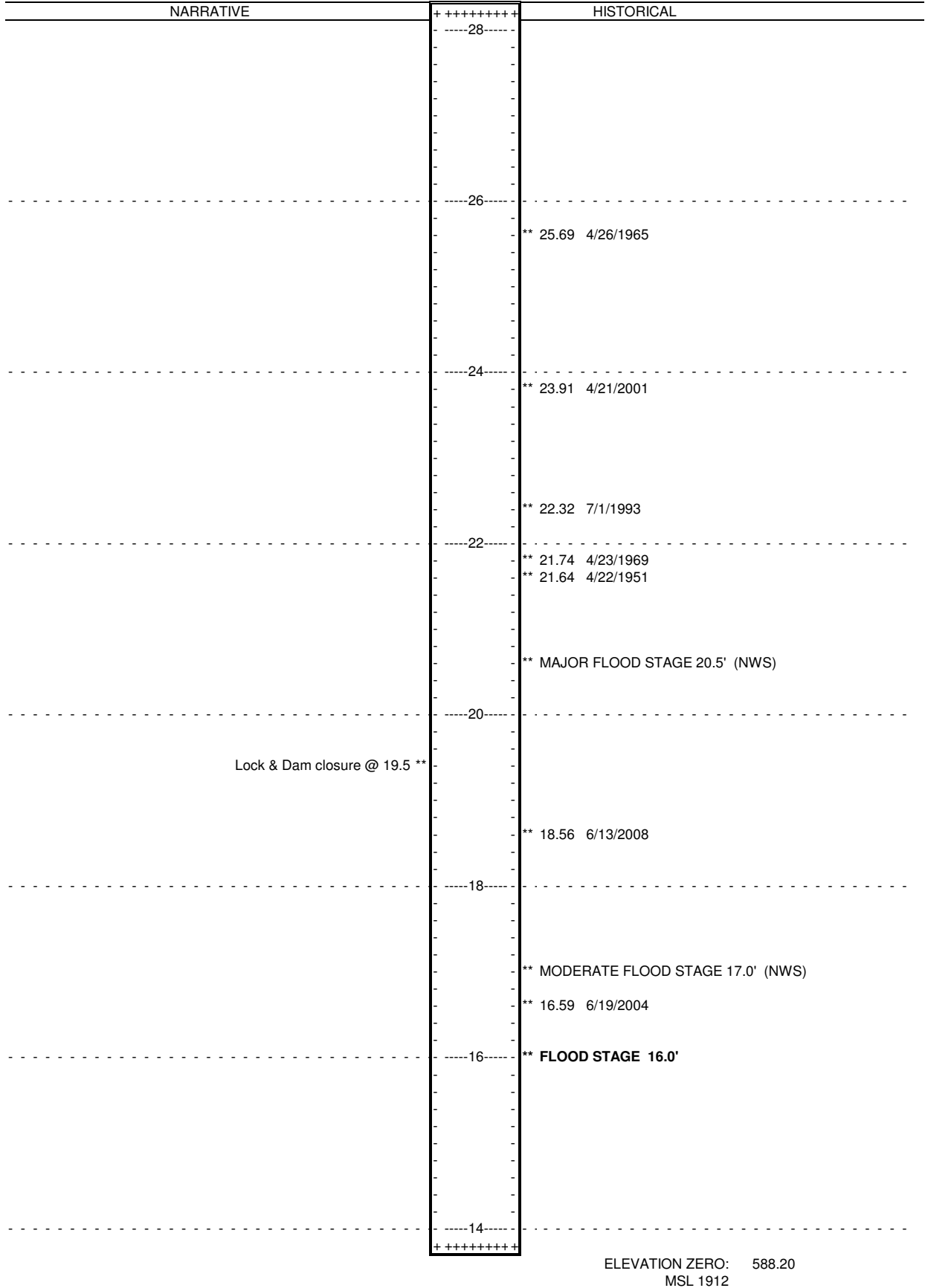
Drainage Area = 81,600 mi²

*Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



STAGE

Mississippi River
Lock & Dam #11 TW
DLDI4



ELEVATION ZERO: 588.20
MSL 1912

MISSISSIPPI RIVER AT DUBUQUE, IOWA

USGS GAGE NUMBER: NONE*

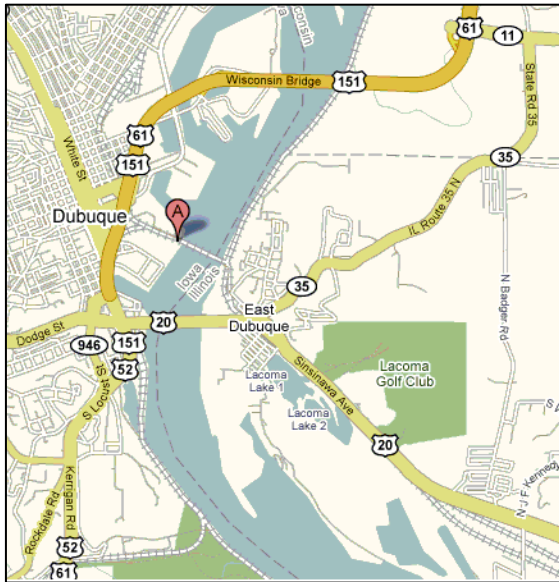
LOCATION: In Dubuque County, Iowa, 2.3 miles upstream from Catfish Creek, 3.0 miles downstream from Dam No. 11, at the foot of 4th Street in Dubuque, adjacent to the right abutment of the I.C.R.R. bridge, and at river mile 579.9 above mouth of the Ohio River.

NW 1/4, Sec. 30, Twp. 29N, Rng. 2W

42°29'56"N, 90°38'41"W

Drainage Area = approx. 81,600 mi²

*Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



1993 FLOOD INFORMATION

Flooding occurred inside the levee at East Dubuque from a locally intense rain storm while the gates were closed due to high stages on the Mississippi River.

STAGE

Mississippi River
Dubuque, IA
DBQ14

| NARRATIVE | STAGE | HISTORICAL |
|--|-------------------------------------|-------------------------------------|
| Overtop East Dubuque Levee @ 28.5 ** | + + + + + + + + + +
-----28----- | |
| | | ** 26.81 4/26/1965 |
| | -----26----- | |
| Wastewater treatment Plant affected. **
BNRR inundated near Lock & Dam 11 @ 25.0 | | ** 25.4 4/21/2001 |
| | -----24----- | |
| | | ** 23.84 7/1/1993 |
| | | ** 23.11 4/24/1969 |
| Water affects the Midtown Marina facilities and parking lot in East Dubuque @ 22.6 | | ** 22.8 4/16/1997 |
| | | ** 22.7 4/25/1952 ; 22.78 5/6/1975 |
| | -----22----- | |
| Water affects several homes in the Frentress Lake area @ 21.5 | | ** 21.85 3/23/1973 |
| | | ** MAJOR FLOOD STAGE 21.5' (NWS) |
| Water affects the ICRR @ 20.5 ** | | ** 20.55 6/13/2008 |
| Most houses on the riverside of the levee are in the water @ 20.0 | -----20----- | |
| | | ** 18.65 6/18/2004 |
| Alert stage for East Dubuque levee @ 18.4 ** | | |
| 3 homes and 1 business impacted on Harbor Dr @ 18.0 ** | -----18----- | ** MODERATE FLOOD STAGE 18.0' (NWS) |
| Water affects Basten Road in East Dubuque @ 17.5 ** | | |
| Water affects homes in Shore Acres in East Dubuque @ 17.0 | | ** FLOOD STAGE 17.0' |
| | -----16----- | |
| Water affects yards in E. Dubuques Shore Acres Subd. (13 home and 1 business on Lake Lacoma Rd) @ 15.0 | | |
| Lower end of City Island inundated @ 14.0 ** | -----14-----
+ + + + + + + + + + | |

ELEVATION ZERO: 585.47
MSL 1912

MISSISSIPPI RIVER AT LOCK AND DAM #12 TAILWATER, BELLEVUE, IOWA

USGS GAGE NUMBER: NONE*

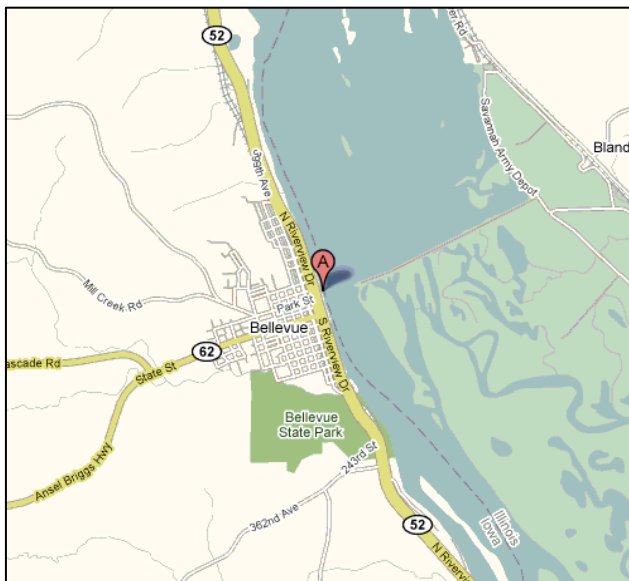
LOCATION: Dam 12 is located 3 blocks North of the intersection of Highway 62 and Highway 52, just off of Franklin Street in Bellevue, IA, and at river mile 556.7 above mouth of the Ohio River.

NE 1/4, Sec. 18, Twp. 86N, Rng. 5E

42°16'22"N, 90°25'16"W

Drainage Area = 82,400 mi²

* Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



1993 FLOOD INFORMATION

Approximately 10 residences and 40 businesses received damage in Savanna.

MISSISSIPPI RIVER AT LOCK AND DAM #13 TAILWATER FULTON, ILLINOIS

USGS GAGE NUMBER: NONE*

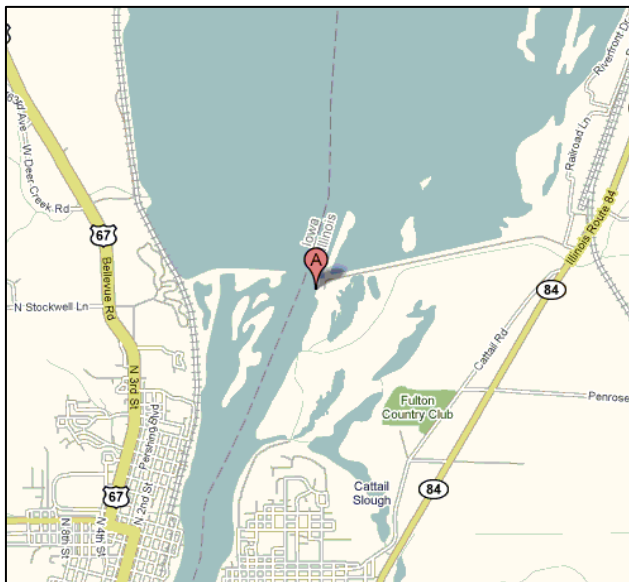
LOCATION: In Whiteside County at Dam 13, which is located 2.5 miles upstream of the North Clinton bridge, and at river mile 522.5 above mouth of the Ohio River.

NE 1/4, Sec. 16, Twp. 22N, Rng. 3E

41 °53'40"N, 90 °09'24"W

Drainage Area = 85,500 mi²

* Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



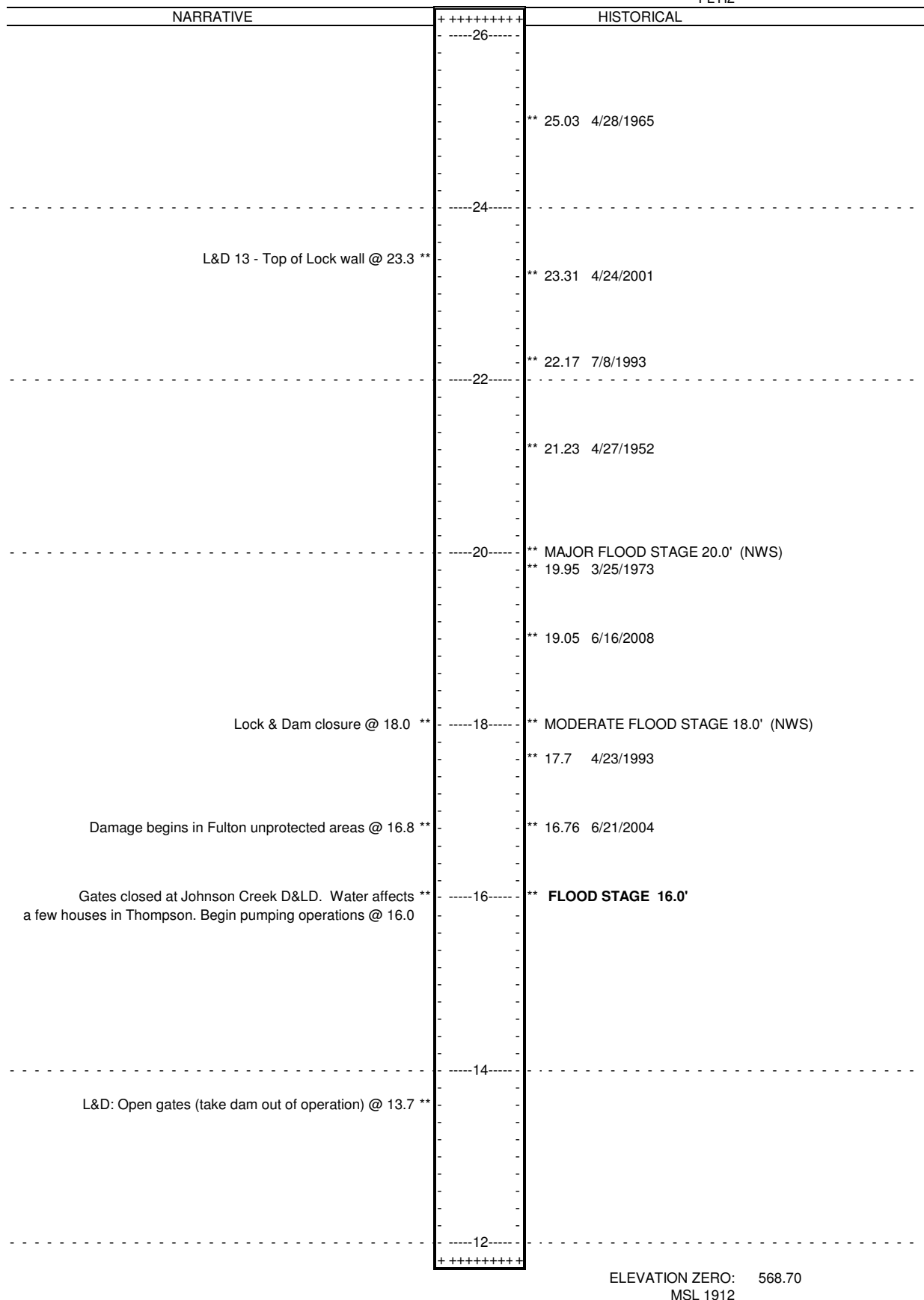
1993 FLOOD INFORMATION

The Johnson Creek D&LD closed its flood gates to the Mississippi River and had to pump due to intense local rain storms.

The Cattail DD had approximately 1500 acres flooded due to heavy interior rains.

The village of Fulton had to pump treated sewage over the levee and also had difficulty handling the interior rain storms.

STAGE Mississippi River
Lock & Dam #13 TW, Fulton, IL
FLT12



MISSISSIPPI RIVER AT CLINTON/CAMANACHE, IOWA

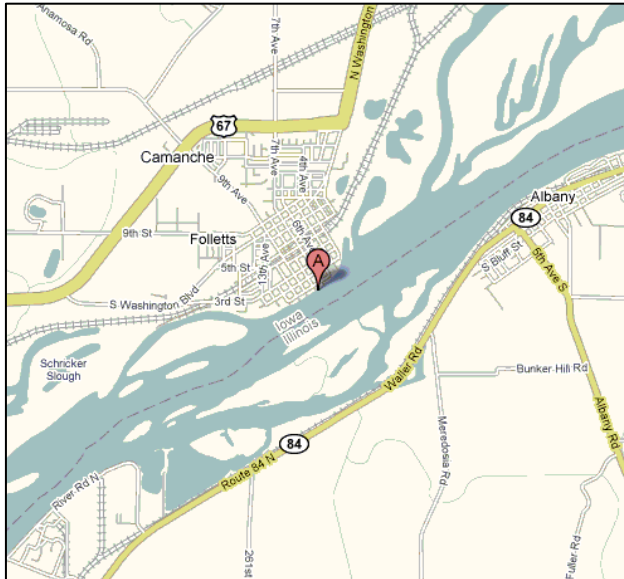
USGS GAGE NUMBER: 05420500

LOCATION: In Clinton County, Iowa, on the right bank at the end of Eighth Avenue in Camanche, 5.0 miles upstream from Wapsipinicon River, 10.6 miles downstream from Lock and Dam 13, and at river mile 511.8 above mouth of the Ohio River.

NW 1/4, Sec. 34, Twp. 81N, Rng. 6E

41°46'50"N, 90°15'07"W NAD27

Drainage Area = 85,600 mi²
86,600 mi² COE



1993 FLOOD INFORMATION

Three residences and 2 businesses were damaged in Albany. Ill. Rte. 84 was closed from June 30 to July 16. Sewage overflow was pumped to the river.

Approximately 10 residences and the sewage lift station were damaged in Cordova.

At the Meredosia D&LD heavy interior rains caused some damage to crops.

STAGE

Mississippi River
Clinton (Camanche), IA
CMMI4

| NARRATIVE | STAGE | HISTORICAL |
|--|----------------|--------------------------------------|
| Meredosia levee overtopped @ 28.0 ** | +-----28-----+ | |
| | -----26----- | |
| | | ** 24.65 4/28/1965 |
| Water affects the grain elevator on IL Rte 84 @ 24.0 ** | -----24----- | |
| | | ** 23.62 4/24/2001 |
| | | ** 22.98 7/8/1993 |
| | -----22----- | |
| Water affects IL Rte 84 near Albany @ 21.4 ** | | ** 21.58 4/19/1997 ; 21.52 4/19/1997 |
| | | ** 21.16 6/16/2008 |
| Lift station damages occurs in Cordova and Main Ave. & 2nd St. intersection closed @ 20.8 | | ** 20.63 3/25/1973 |
| | | ** MAJOR FLOOD STAGE 20.5' (NWS) |
| Water affects several homes in Albany @ 20.0 ** | -----20----- | |
| | | ** 18.52 5/1/1996 |
| | | ** MODERATE FLOOD STAGE 18.5' (NWS) |
| | -----18----- | ** 18.08 6/22/2004 |
| Residential damage in Albany & Cordova. Albany starts pumping at sewage treatment facility @17.0 | | ** FLOOD STAGE 17.0' |
| Basement damage begins in Cordova @16.0 ** | -----16----- | |
| | -----14----- | |
| | +-----+ | |

ELEVATION ZERO: 563.21
MSL 1912

MISSISSIPPI RIVER AT LOCK AND DAM #14 TAILWATER AT LECLAIRE, IOWA

USGS GAGE NUMBER: NONE*

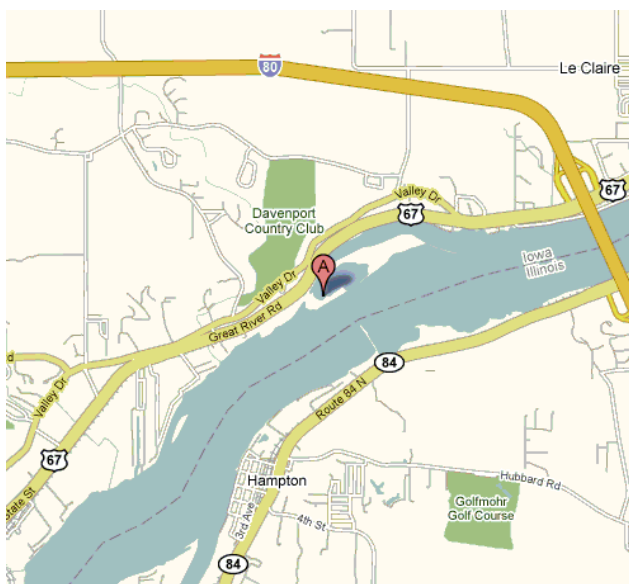
LOCATION: In Rock Island County, 2.1 miles downstream from Interstate Highway 80 bridge, 3.8 miles downstream from Rapids City, Illinois, and at river mile 493.3 above mouth of the Ohio River.

NE 1/4, Sec. 8, Twp. 18, Rng. 1 E

41°34'28"N, 90°24'11"W

Drainage Area = 88,400 mi²

* Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



2008 FLOOD INFORMATION

Damage information was gathered from a flood surveillance trip in April. The stage was 13.41 feet. In Rapid City two houses on the island were impacted by water, two garages sandbagged and water was on the roadway.

In Hampton there was water one foot deep on the roadway, four garages and two basements with water in them

At Campbell's Island there were 20 to 25 houses with water at the foundation, one house with water on the first floor and most roads were inundated.

STAGE

Mississippi River
Lock & Dam #14 TW
LECI4

| NARRATIVE | STAGE | HISTORICAL |
|--|-------------------------------------|--|
| Water reaches Cambells Island access bridge. Water affects N. Main St in Port Byron affecting many businesses; 1st Ave and several homes in Hampton @ 19.0 | + + + + + + + + + +
-----19----- | |
| Water reaches bridge approach on Cambells Island @ 17.5 | | ** 17.75 4/28/1965 |
| S Main St in Port Byron is affected @ 17.0 | -----17----- | ** 16.93 4/24/2001 |
| Residential damage in Port Byron and Rapids City. Damage to nearly all of the buildings @ 16.0 | | ** 16.56 7/8/1993 |
| Water covers the access road on Cambells Island @ 15.0 | -----15----- | ** 14.84 6/16/2008 |
| Water affects commercial buildings in Port Byron. First St in Rapids City under water. 1st Ave in Hampton begins to flood @ 14.5 | | ** 14.60 4/26/1969 ; 14.61 4/19/1997 |
| Hampton closes storm sewer gates and begins pumping. Lock & Dam closure @ 14.0 | -----14----- | ** 14.01 4/28/1952 ; 14.03 5/9/1975 |
| Damage begins to residences in Hampton (2 basements & 4 garages), Damage begins to residence on island in Rapid City (basement). Gate closure of access road to International Harvester at 1st St. in E. Moline @ 13.4 | | ** 13.74 4/28/1951
** 13.62 3/26/1973
** MAJOR FLOOD STAGE 13.5' (NWS)
** 13.41 4/29/2008 |
| Water on the roadway in Rapid City @ 13.2 | | |
| Water in the first floor of home on west side of Cambells Island @ 13.0 | -----13----- | |
| Water is in basements and garages on the west side of Cambells Island @ 12.5
Water on the road in Hampton @ 12.4 | | |
| Water is at the foundations of a few homes on Cambells Island @ 12.0 | -----12----- | ** MODERATE FLOOD STAGE 12.5' (NWS) |
| | | ** 11.34 6/22/2004 |
| Water affects the lowest roads and into some backyards on Cambells Island @ 11.0 | -----11----- | ** FLOOD STAGE 11.0' |
| | -----9----- | |
| | + + + + + + + + + + | ELEVATION ZERO: 557.08
MSL 1912 |

During the June 2008 event the peak stage was 14.91 feet, 1.5 feet higher than April.

1993 FLOOD INFORMATION

Four residences in Port Byron were damaged. The lift station inlet was extended vertically 6' and two pumps were burned out during the 2¹/₂ weeks of continuous pumping.

Approximately 6 residences were damaged in Rapids City.

Approximately 139 residences were damaged on Campbell's Island.

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MISSISSIPPI RIVER AT LOCK AND DAM #15 TAILWATER AT ROCK ISLAND, ILLINOIS

USGS GAGE NUMBER: NONE*

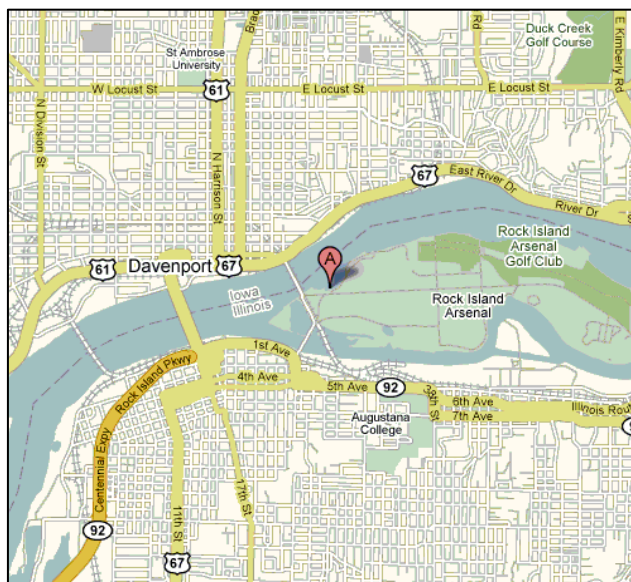
LOCATION: In Rock Island County, 0.8 mile upstream from Centennial Highway (U.S. Route 67) bridge, 1.4 miles upstream from Davenport, Rock Island, and the Northwestern Railroad Bridge, and at river mile 482.9 above mouth of the Ohio River.

SE 1/4, Sec. 26, Twp. 18N, Rng. 2W

41°31'04"N, 90°33'43"W

Drainage Area = 88,500 mi²

* Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



2008 FLOOD INFORMATION

Damage information was gathered from a flood surveillance trip in April. The stage was 19.24 feet. In Moline one business had sandbagged and several businesses had water on the foundation.

During the June 2008 event the peak stage was 21.5 feet, 2.26 feet higher than April.

1993 FLOOD INFORMATION

Approximately 3 residences and 3 businesses were damaged in Rock Island

MISSISSIPPI RIVER AT LOCK AND DAM #16 TAILWATER AT ILLINOIS CITY, ILLINOIS

USGS GAGE NUMBER: NONE*

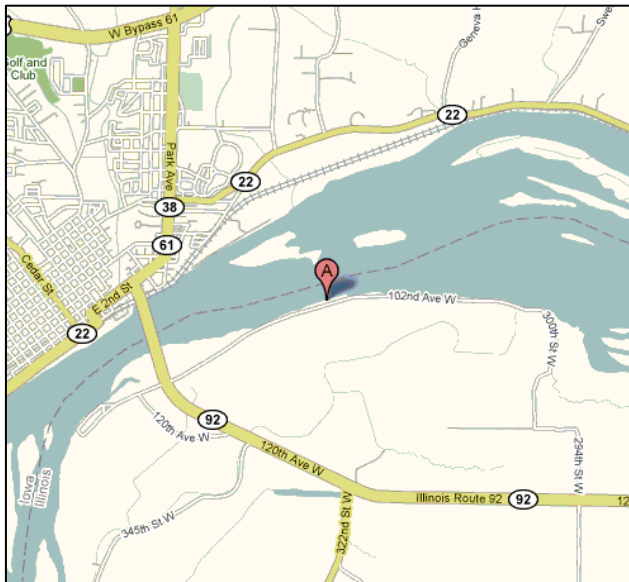
LOCATION: In Rock Island County, 1.3 miles upstream of the Illinois Route 92 bridge, and at river mile 457.2 above mouth of the Ohio River.

SW 1/4, Sec. 31, Twp. 17N, Rng. 5W

41°25'32"N, 91°00'46"W

Drainage Area = approx. 99,400 mi²

* Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



2008 FLOOD INFORMATION

Damage information was gathered from a flood surveillance trip in April. The stage was 19.94 feet.

In Andalusia along 121st St. there was four feet of water in one basement and two houses with water on the foundation.

During the June 2008 event the peak stage was 22.96 feet, 3.02 feet higher than April.

STAGE

Mississippi River
Lock & Dam #16 TW (IL City)
ILNI2

| NARRATIVE | STAGE | HISTORICAL |
|--|--------------|--------------------------------------|
| | -----26----- | |
| Water reaches the top of the Andalusia levee @ 24.5 ** | | |
| | -----24----- | ** 24.10 7/9/1993 |
| | | ** 23.27 4/28/1965 |
| | | ** 22.96 6/17/2008 |
| | | ** 22.41 4/25/2001 |
| | -----22----- | |
| 2nd Ave Levee opening overtopped in Andalusia @ 21.9 **
Houses outside levee at east end **
of Andalusia flooded @ 21.6 | | |
| | -----20----- | ** 20.05 4/25/1973 |
| | | ** 19.94 5/1/2008 |
| Andalusia: water on 1 house, against 2 other foundations **
on 121 St. Water at the edge of IL Rte 92 at the Andalusia
Slough Recreational Area @ 19.5 | | ** 19.57 4/20/1997 ; 19.69 4/26/1969 |
| | | ** 19.36 10/7/1986 |
| Water floods Second St in the unprotected **
area of Andalusia @ 18.5 | | |
| | -----18----- | ** MAJOR FLOOD STAGE 18.0' (NWS) |
| Lock & Dam closure @ 17.0 ** | | |
| | -----16----- | ** MODERATE FLOOD STAGE 16.0' (NWS) |
| Andalusia: one house with water in the **
basement on 121St @ 15.5 | | ** FLOOD STAGE 15.0' |
| | -----14----- | |
| | -----12----- | |

ELEVATION ZERO: 533.79
MSL 1912

MISSISSIPPI RIVER AT MUSCATINE, IOWA

USGS GAGE NUMBER: NONE*

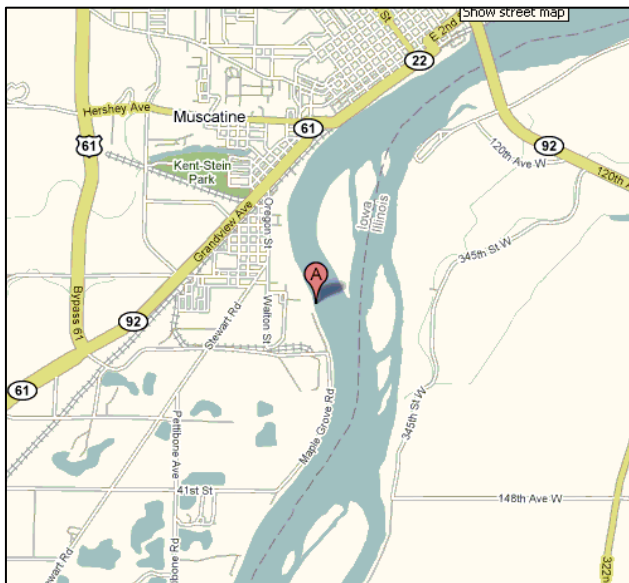
LOCATION: In Muscatine County, Iowa, on the right bank at the Muscatine Power & Water barge piers, 2.4 miles downstream from the Illinois Route 92 bridge, 3.9 miles downstream from Lock and Dam 16, and at river mile 453.3 above mouth of the Ohio River.

SW 1/4, Sec. 36, Twp. 17N, Rng. 6W

41 °23'48"N, 91 °03'25"W

Drainage Area = approx. 99,450 mi²

* Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



1993 FLOOD INFORMATION

One residence was damaged in Andalusia. Sandbags were used on 2nd Avenue to control high stages on the Mississippi River which had impacted local tributaries.

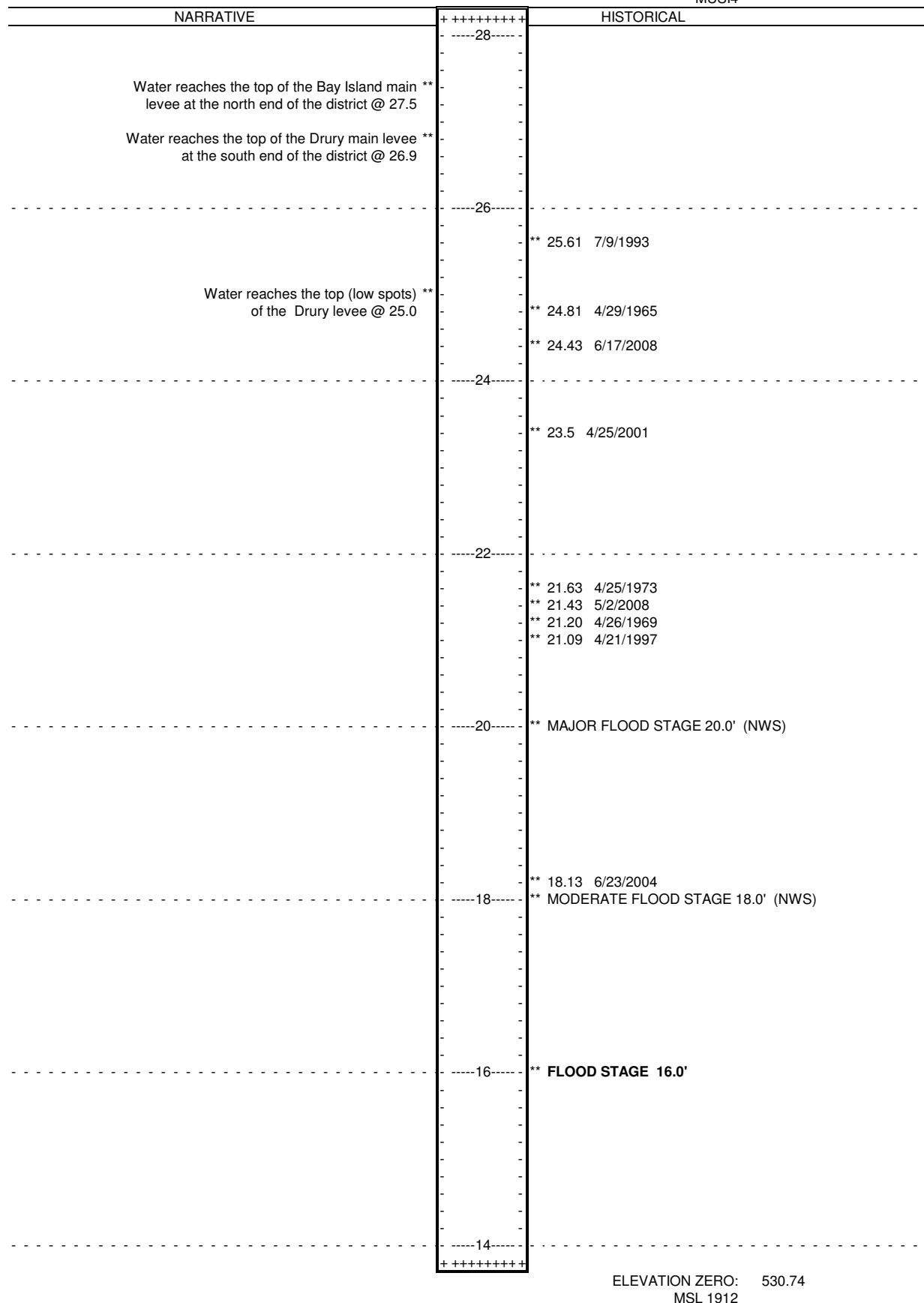
Approximately 11 residences were damaged in the Drury DD due to seepage and heavy interior rains. The levee was sandbagged to prevent being overtopped.

At the Bay Island D&LD the levee was raised 4' with sandbags and

wooden supports. Four pumps were used to try to control water levels within the district due to seepage and heavy interior rains. Approximately 13 residences and 16,500 acres of farm land were damaged.

STAGE

Mississippi River
Muscatine, IA
MUSI4



ELEVATION ZERO: 530.74
MSL 1912

MISSISSIPPI RIVER AT LOCK AND DAM #17 TAILWATER NEAR NEW BOSTON, ILLINOIS

USGS GAGE NUMBER: NONE*

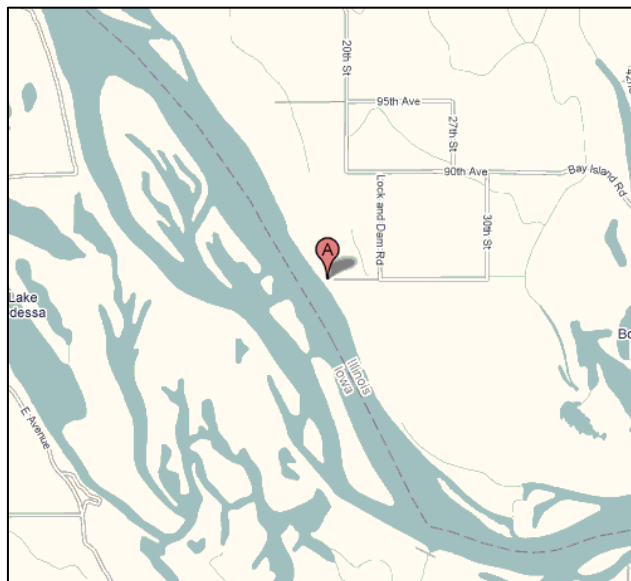
LOCATION: In Mercer County, Lock & Dam #17 is located approximately 3 miles upstream of the Iowa River, and at river mile 437.1 above mouth of the Ohio River.

NW 1/4, Sec. 27, Twp. 14N, Rng. 6W

41 °11'29"N, 91 °03'20"W

Drainage Area = 99,600 mi²

* Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



1993 FLOOD INFORMATION

Approximately 20 homes in New Boston were damaged.

MISSISSIPPI RIVER AT KEITHSBURG, ILLINOIS

USGS GAGE NUMBER: NONE*

LOCATION: In Mercer County, on the left bank near Main St. in Keithsburg, 3.8 miles downstream of the Edwards River and approximately 6.5 miles downstream from the Iowa River. and at river mile 427.4 above mouth of the Ohio River.

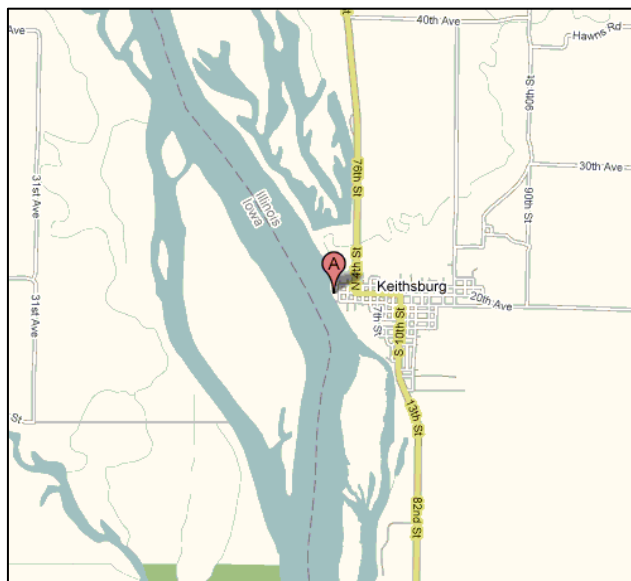
SE 1/4, Sec. 22, Twp. 13N, Rng. 5W

41°06'22"N, 90°57'34"W

Drainage Area = 112,870 mi²

* Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.

Gage was relocated in 1997 from the Railroad bridge.,



2008 FLOOD INFORMATION

The levee along Pope Creek on the north side of town between 3rd and 4th streets failed on June 14, 2008 causing flood damage to approximately 80 structures.

1993 FLOOD INFORMATION

Approximately 173 residences and 23 businesses were damaged in Keithsburg. Most of the damage occurred when the levee along Pope Creek near 16th St. failed on July 7, flooding about $\frac{2}{3}$ of Keithsburg.

STAGE

Mississippi River
Keithsburg, IL
KHBI2

| NARRATIVE | STAGE | HISTORICAL |
|---|-------------------------------------|--|
| Water reaches the instrument gage shelf @28.0 ** | + + + + + + + + + +
-----27----- | |
| Water at foot of gage house @ 25.0 ** | -----25----- | |
| | | ** 24.49 6/17/2008 |
| | | ** 24.15 7/9/1993 |
| Top of Keithsburg levee along Pope Creek
on north side of town @ 22.5 | -----23----- | |
| Water reaches the top of the Keithsburg levee @ 21.0 **
Water can enter Keithsburg levee at 4th St crossing
without sandbag closure (2008) @ 20.9 | -----21----- | ** 20.72 5/12/2001
** 20.46 4/27/1965
** 20.35 5/02/2008 |
| Water affects the Keithsburg boat club building @ 20.0 **
Water can enter Keithsburg levee at 3rd St crossing
without sandbag closure (2008) @ 19.8 | | ** 19.35 4/25/1973
** 19.10 4/25/1993 |
| Seepage behind the keithsburg levee affects businesses
on 4th St and Keithsburg Rd at Pope Creek @ 19.0 | -----19----- | ** 18.71 4/14/1998
** 17.99 4/21/1997 |
| Seepage behind the keithsburg levee affects
Jackson Ave south of 4th St @ 17.0 | -----17----- | ** MAJOR FLOOD STAGE 17.0' (NWS)
** 16.78 6/03/2004 |
| Water is over the campground and
boat ramp in Keithsburg @ 16.0 | | ** MODERATE FLOOD STAGE 15.5' (NWS) |
| Water affects the campground along the river @ 14.0 ** | -----15----- | ** FLOOD STAGE 14.0' |
| Water is over the local access road to summer
cottages in Huron Township @ 13.5
Unpaved county roads and ag land affected @ 13.0 ** | -----13----- | |
| | + + + + + + + + + + | |

ELEVATION ZERO: 523.19
MSL 1912

MISSISSIPPI RIVER AT LOCK AND DAM #18 TAILWATER NEAR GLADSTONE, ILLINOIS

USGS GAGE NUMBER: NONE*

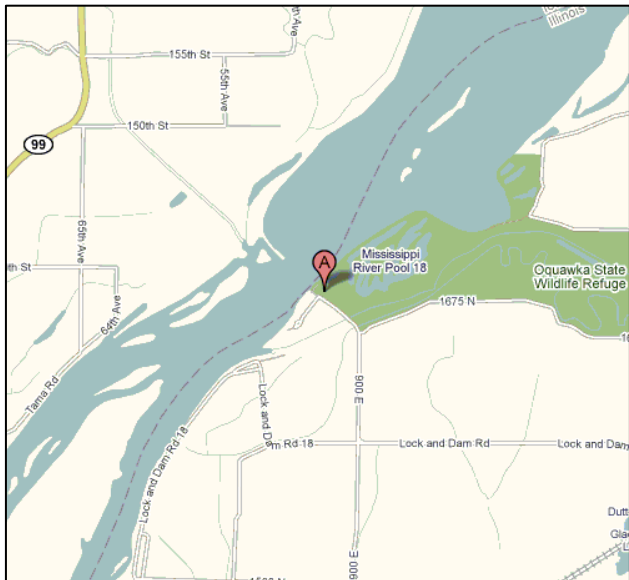
LOCATION: Lock and Dam 18 is located approximately .5 river miles upstream from the mouth of Henderson Creek, and 6.3 river miles upstream of MacArthur Highway I-34 Bridge., and at river mile 410.5 above mouth of the Ohio River.

NE 1/4, Sec. 12, Twp. 70N, Rng. 6W

40°52'53"N, 91°01'21"W

Drainage Area = 113,600 mi²

* Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



2008 FLOOD INFORMATION

The Henderson County DD#3 (IDNR property) levee breached on June 14. When the district filled up with water, the floodwater overtopped the southern flank levee along Henderson Creek,

At Oquawka the levee was raised approximately 2 to 3 feet with sand, plastic and sandbags.

1993 FLOOD INFORMATION

At the Henderson County DD #3 portions of the levee were raised 3' with sandbags. The levee had several major sand boils. The levee failed, apparently by piping, on July 1 in an area which had not been raised and which had not previously indicated seepage problems. The drainage district filled in about 24 hours from the time of the levee failure.

STAGE
Mississippi River
Lock & Dam #18 TW (Gladstone, IL)
GLDI2

| NARRATIVE | | HISTORICAL |
|--|---------------------|---|
| | + + + + + + + + + + | |
| | -----24----- | |
| Water reaches the top of the Oquawka levee @ 22.8 ** | | ** 22.46 6/17/2008 |
| | -----22----- | |
| Water at the top of the flank levee at the southeast corner of the Henderson D&LD #3 @ 21.0 ** | | ** 21.54 7/10/1993 |
| | -----20----- | |
| Lock & Dam #18 - Top of lock wall @ 19.1 ** | | |
| | -----18----- | |
| | | ** 17.65 5/12/2001
** 17.40 4/25/1973 |
| Water reaches the top of the Henderson #3 levee @ 17.0 ** | | ** 17.10 4/27/1965 ; 17.04 5/2/2008 |
| Water affects the IL Power facilities along Marina Drive @ 16.9 ** | | ** 16.6 4/26/1993 |
| Water enters the levee at Schuyler St in Oquawka @ 16.8 ** | | |
| 5 houses outside of Oquawka levee have water in the basement and 1 garage has water in it (2008) @ 16.5 ** | | |
| Water affects Marina Drive south of Oquawka @ 16.0 ** | -----16----- | |
| | | |
| Lock & Dam closure @ 15.0 ** | | |
| Water affects most houses on 1st St in Oquawka @ 14.7 ** | | ** 14.65 4/21/1997
** 14.56 4/27/1951 ; 14.52 4/26/1969
** 14.48 5/9/1975 |
| | -----14----- | |
| Water begins to affect houses on 1st St in Oquawka @ 13.8 ** | | ** MAJOR FLOOD STAGE 14.0' (NWS)
** 13.88 6/02/2004 |
| | -----12----- | |
| Water affects low lying areas near Oquawka @ 11.9 ** | | ** MODERATE FLOOD STAGE 12.0' (NWS) |
| | -----10----- | |
| | + + + + + + + + + + | ** FLOOD STAGE 10.0' |

ELEVATION ZERO: 518.52
MSL 1912

At Oquawka approximately 11 residences and 2 businesses were damaged all of which were on the outside of the levee. The levee was raised 3' in some locations by sandbags. The levee held however there were seepage problems which required using 4 pumps to prevent flooding on the interior side of the levee.

Dam 18 had flows over it causing potential erosion problems for the Henderson DD#1 flank levee.

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MISSISSIPPI RIVER AT BURLINGTON, IOWA

USGS GAGE NUMBER: NONE*

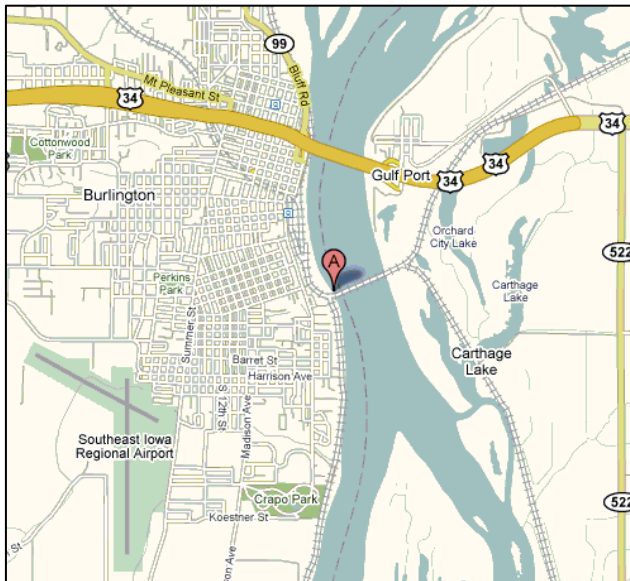
LOCATION: In Burlington, IA, at the Waste Water Treatment Plant upstream of the Burlington Northern railroad bridge, and at river mile 403.2 above mouth of the Ohio River.

SW 1/4, Sec. 33, Twp. 10N, Rng. 6W

40°47'53"N, 91°05'30"W

Drainage Area = 114,500 mi²
114,000 mi² COE

* Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



2008 FLOOD INFORMATION

The Henderson DD#2 levee failed due to an overtopping breach on June 17, 2008. As floodwaters filled in DD#2, they overtopped the BNSF railroad, closing and damaging the railroad; flooding Henderson DD#1 and completely inundating the town of Gulfport and closing US 34. Approximately 159 structures in Gulfport and 22 rural structures in the two districts were damaged. Both levees had been raised approximately 1-2 feet with sand, sandbags and plastic.

The Niota levee was raised approximately 1'-2' with sandbags.

Damage information for Dallas City and Pontoosuc was gathered from a flood surveillance trip in April. The stage was 20.1 feet at the time of the observations.

In Dallas City nine houses had water at the foundation, and six outbuildings had water in them.

In Pontoosuc there were 24 houses with water at the foundation and nine houses had water in them.

During the June 2008 event the peak stage was 25.73 feet, 5.63 feet higher than April.

In Dallas City, three homes were taking a buyout, and two or three were elevating due to the flooding.

1993 FLOOD INFORMATION

At Dallas City the sewage treatment plant was shut down beginning July 1. About 20 residences were damaged in addition to the sewage treatment plant and 2 lift stations. Additional residential damage was minimized by the placement of sandbags, up to 4' high, in the area of First St.

At the Niota area there were about 126 residences which were either damaged or were surrounded by water. The flood also caused an oil spill.

At Pontoosuc about 136 residences were damaged.

At Gulfport 5 residences and 2 businesses which are outside of the levee were damaged.

The Henderson County DD #1 levee was raised 4' by sandbags. Seepage and interior runoff caused problems on the interior of the levee.

The Henderson County DD #2 levee was raised 4' by sandbags. Seepage and interior runoff caused problems on the interior of the levee.

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MISSISSIPPI RIVER AT KEOKUK, IOWA

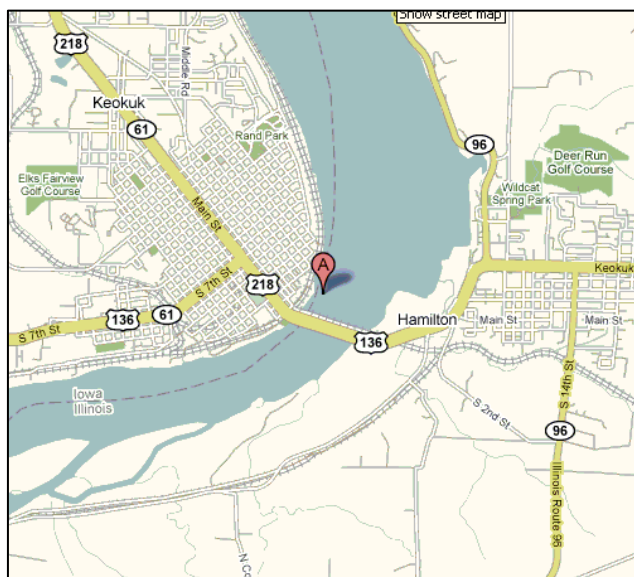
USGS GAGE NUMBER: 05474500

LOCATION: In Lee County, Iowa, near right bank in the tailwater of the Union Electric Company dam at Keokuk, 0.2 mile upstream from bridge on U.S. Highway 136, 2.7 miles upstream from the Des Moines River, and at river mile 364.2 above mouth of the Ohio River.

SW 1/4, Sec. 30, Twp. 65N, Rng. 4W

40 °23'37"N, 91 °22'27"W NAD27

Drainage Area = 119,000 mi²



2008 FLOOD INFORMATION

During the June event, one house, one trailer, and the sewage treatment plant all flooded. There was approximately six feet of water in the sewage treatment plant.

1993 FLOOD INFORMATION

At Nauvoo sandbags were placed on the side of the levee at the water treatment plant and at a private levee for protection, however none were placed on top. The private levee experienced some sand boils and pumping was needed at both levees to prevent damage.

At Warsaw about 16 residences and 2 businesses were damaged. The levee around the sewage treatment plant was raised 2' by sandbags before it failed, resulting in untreated sewage being discharged to the river. Three of the sewage lift stations were also damaged.

The water treatment plant was protected by placing sandbags 6.5' high, although continuous pumping was necessary to control the seepage.

At Hamilton 1 residence was damaged. Three businesses were closed due to the flooding but were not severely damaged. Sandbags were placed up to 9' high around the water treatment plant which allowed its continued operation after the levee protecting it failed. The four lane portion of U.S. Rte. 136 was closed on July 5 and reopened as two lanes on July 17 after it was raised with rock on the inside of concrete barriers.

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MISSISSIPPI RIVER AT GREGORY LANDING, MISSOURI

USGS GAGE NUMBER: NONE*

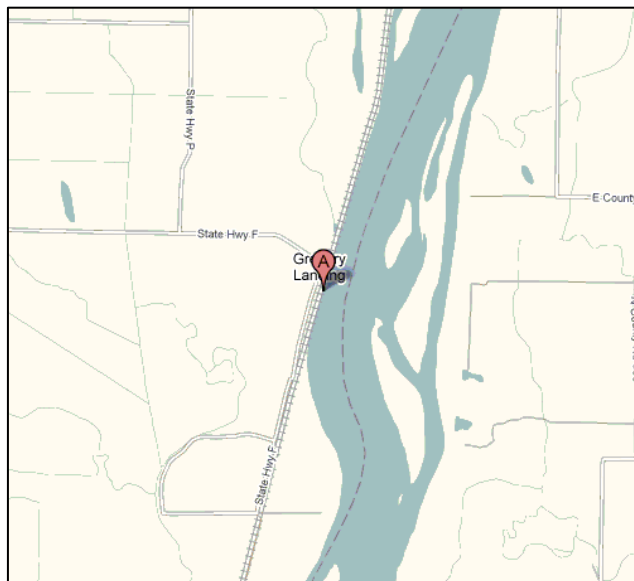
LOCATION: On the right bank in the downstream portion of Gregory Landing, Missouri, 40 feet riverward of the centerline of the levee, and at river mile 352.9 above mouth of the Ohio River.

NE 1/4, Sec. 12, Twp. 63N, Rng. 6W

40°16'45"N, 91°29'45"W

Drainage Area = 133,600 mi²

* Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



2008 FLOOD INFORMATION

The Hunt & Lima Lake D&LD levee was raised 2-3 feet using sand, sandbags, and plastic before it failed on June 18 in two locations; one in the southern end of the district and one by Lock & Dam 20. Approximately 30,000 acres of farmland were flooded as was the town of Meyer

1993 FLOOD INFORMATION

The Lima Lake DD levee was raised 3' by sandbags before it failed on July 9. Approximately 40 residences and 14,000 acres of farmland within the district were damaged. Severe seepage and sand boils occurred prior to the failure.

The Hunt D&LD levee was raised by sandbags. When the Lima Lake DD levee failed water came into the Hunt D&LD causing damage to about 36 residences and 18,000 acres of farmland.

STAGE

Mississippi River
Gregory Landing, IL
GGYM7

| NARRATIVE | STAGE | HISTORICAL |
|---|--------------|-------------------------------------|
| | -----28----- | ** 28.49 7/09/1993 |
| | | ** 27.60 6/18/2008 |
| | -----26----- | |
| Water overtops the Hunt & Lima Lake levee at low spot @ 25.4 ** | | ** MAJOR FLOOD STAGE 25.0' (NWS) |
| | | ** 24.6 4/24/1973 |
| | -----24----- | ** 24.04 5/15/2001 |
| | | ** 22.70 5/1/1965 |
| | -----22----- | |
| | | ** 21.5 4/3/1960 ; 21.46 4/22/1993 |
| | | ** 20.89 5/4/2008 |
| | | ** 20.43 5/28/1996 |
| | -----20----- | |
| | | ** 19.1 4/12/1979 |
| | | ** 18.69 6/03/2004 |
| | | ** 18.33 4/20/1997 |
| | -----18----- | ** MODERATE FLOOD STAGE 18.0' (NWS) |
| | | ** 18.0 2/25/1985 |
| | -----16----- | |
| Buildings in unprotected low areas damaged @ 16.0 ** | | ** FLOOD STAGE 15.0' |
| | -----14----- | |

ELEVATION ZERO: 472.71
MSL 1912

MISSISSIPPI RIVER AT LOCK AND DAM #20 TAILWATER CANTON, MISSOURI

USGS GAGE NUMBER: NONE*

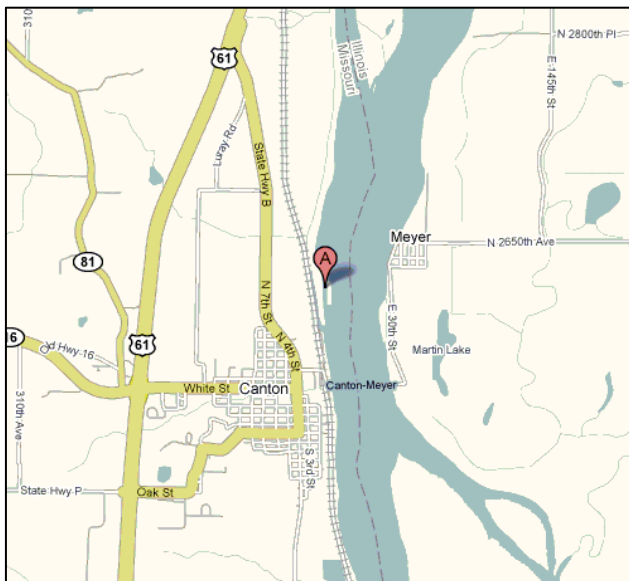
LOCATION: Lock and Dam 20 is located off of Old Highway 61, approximately .5 miles north of Henderson St. in Canton MO. on Lock and Dam Road, and at river mile 343.2 above mouth of the Ohio River.

NW 1/4, Sec. 25, Twp. 62N, Rng. 6W

40°08'40"N, 91°30'55"W

Drainage Area = 134,300 mi²

* Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



2008 FLOOD INFORMATION

The Indian Graves North D&LD levee was raised 2-3 feet using sand, sandbags, and plastic. The levee held through the event but did experience a lot of seepage.

MISSISSIPPI RIVER AT QUINCY, ILLINOIS

USGS GAGE NUMBER: NONE*

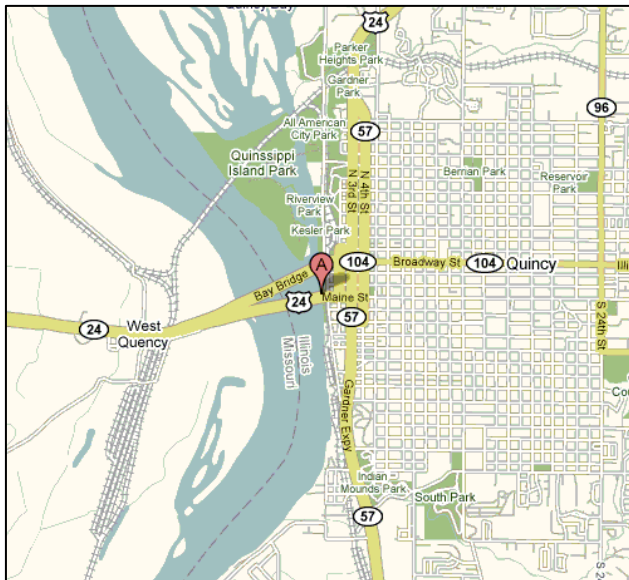
LOCATION: In Adams County, at Quincy water works, 0.8 mile upstream from Quincy Highway Bridge, three miles upstream from Dam No. 21, and at river mile 327 above mouth of the Ohio River.

NW 1/4, Sec. 15, Twp. 2S, Rng. 9W

39°55'56"N, 91°24'58"W

Drainage Area = 135,500 mi²

* Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



2008 FLOOD INFORMATION

The Indian Graves South D&LD levee was raised 2-3 feet using sand, sandbags, plastic and flashboards before it failed on June 18 in three locations all near the southern portion of the district. Approximately 6,900 acres of farmland were flooded.

1993 FLOOD INFORMATION

The southern section of the sandbagged Indian Grave DD levee failed on July 12 damaging about 8,000 acres of farmland. The northern section of the levee failed on July 13 damaging an additional 10,000 acres of farmland.

Access to West Quincy, Mo. was eliminated when the West Quincy levee failed on July 16.

Damage at Quincy was primarily to businesses and manufacturers located near the river.

STAGE

Mississippi River
Quincy, IL
UINI2

| NARRATIVE | STAGE | HISTORICAL |
|---|---------------------------------------|-------------------------------------|
| Water overtops Quincy water treatment plant floodwall @ 35.0 ** | + + + + + + + + + + +
-----35----- | |
| Water overtops the South Quincy levee @ 32.4 ** | -----32----- | ** 32.13 7/13/1993 |
| | | ** 30.8 6/18/2008 |
| Water overtops the Indian Graves North levee @ 29.3 ** | -----29----- | ** 28.9 4/23/1973 |
| Water reaches the low steel on the BNSF bridge in Quincy @ 28.8 | | |
| Water overtops the Indian Graves South levee @ 28.6 ** | | |
| Damage begins at the Quincy sewage treatment plant @ 28.2 | | |
| Quincy and S. Quincy levee begins sandbagging @ 28.0 ** | | |
| Water flows over the lock gates at L&D Dam 21 @ 27.8 ** | | ** 27.31 5/16/2001 |
| Damage begins to Naval Reserve Training Center in Quincy @ 27.4 | | |
| | -----26----- | ** 25.3 10/4/1986 |
| County Hwy 7 in Quincy begins to flood @ 23.5 ** | | ** 24.45 5/29/1996 |
| Old US Hwy 61 inundated 8.5 mi. north of Quincy @ 23.0 ** | -----23----- | ** 24.20 4/29/1995 |
| | | ** 23.8 4/15/1983 |
| | | ** 23.36 4/15/1998 |
| | | ** 23.11 5/5/2008 |
| | | ** MODERATE FLOOD STAGE 22.5' (NWS) |
| | | ** 22.1 6/22/1990 ; 22.5 4/13/1979 |
| | | ** 21.37 5/26/1995 |
| The barge facility & boat club in Quincy lose access @ 21.1 ** | | ** 20.56 6/4/2004 |
| Quincy City Park, just north of the Memorial Bridge, begins to flood @ 20.0 | -----20----- | |
| Quincy parks, north of Broadway, begin to flood @ 19.0 ** | | ** 19.1 2/27/1985 |
| Railroad lines north of Quincy become inundated at several locations @ 18.6 | | ** MODERATE FLOOD STAGE 18.0' (NWS) |
| | -----17----- | ** FLOOD STAGE 17.0 |
| | -----14----- | |

ELEVATION ZERO: 458.59
MSL 1912

MISSISSIPPI RIVER AT HANNIBAL, MISSOURI

USGS GAGE NUMBER: NONE*

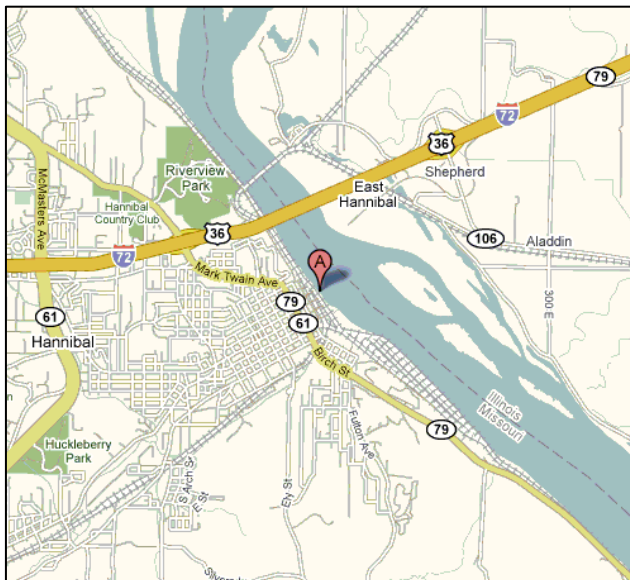
LOCATION: on the right bank in abandoned city pump house at grain elevator 100 yards up stream of small boat harbor, 4 blocks below the Interstate 72 bridge, and at river mile 309 above mouth of the Ohio River.

NE 1/4, Sec. 21, Twp. 56N, Rng. 4W

39°42'43"N, 91°21'16"W

Drainage Area = 136,990 mi²
137,200 mi² COE

* Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



2008 FLOOD INFORMATION

Sny Island L&DD #1 was raised approximately 3-5 feet with sand, plastic and sandbags. The levee held but there was considerable seepage and boils.

1993 FLOOD INFORMATION

The sandbagged Sny Island L&DD levee for cell no. 1 failed on July 25 by piping. The levee had withstood higher stages against it. Failure of the levee damaged nearly 44,000 acres of farmland and caused the

evacuation of and damage to the communities of Fall Creek, Hull, and East Hannibal. The other cells of the Sny Island L&DD were also raised by sandbagging but withstood the long flood duration although severe seepage and sand boils did occur.

STAGE

Mississippi River
Hannibal, MO
HNNM7

| NARRATIVE | STAGE | HISTORICAL |
|---|--------------|-------------------------------------|
| | -----32----- | ** 31.8 7/16/1993 |
| Water reaches the top of the Sny Island Levee # 1 at the Old Sny Recreation Area @ 30.5 | -----30----- | ** 29.54 6/18/2008 |
| Water overtops the Sny Island Levee #1 at the lowspot @ 28.6 | -----28----- | ** 28.59 4/25/1973 |
| | | ** 26.91 5/16/2001 |
| | -----26----- | |
| | | ** 25.3 10/4/1986 |
| | | ** 24.59 5/1/1965 |
| | | ** 24.41 5/29/1996 |
| | -----24----- | |
| | | ** 23.9 4/5/1983 |
| | | ** 23.48 4/15/1998 ; 23.40 4/4/1960 |
| | | ** 22.69 4/13/1979 |
| | -----22----- | ** MAJOR FLOOD STAGE 22.0' (NWS) |
| | | ** 21.9 5/26/1995 |
| | | ** 21.07 6/04/2004 |
| | | ** 20.8 4/22/1997 |
| | -----20----- | |
| | | ** 18.33 5/2/1983 |
| | -----18----- | ** MODERATE FLOOD STAGE 18.0' (NWS) |
| Riverside Park oneast side (inside Sny Levee) floods @ 17.0 | | ** |
| Damage begins to buildings in unprotected low areas @ 16.0 | -----16----- | ** FLOOD STAGE 16.0' |

ELEVATION ZERO: 449.43
MSL 1912

MISSISSIPPI RIVER AT LOCK AND DAM #22 TAILWATER AT SAVERTON, MISSOURI

USGS GAGE NUMBER: NONE*

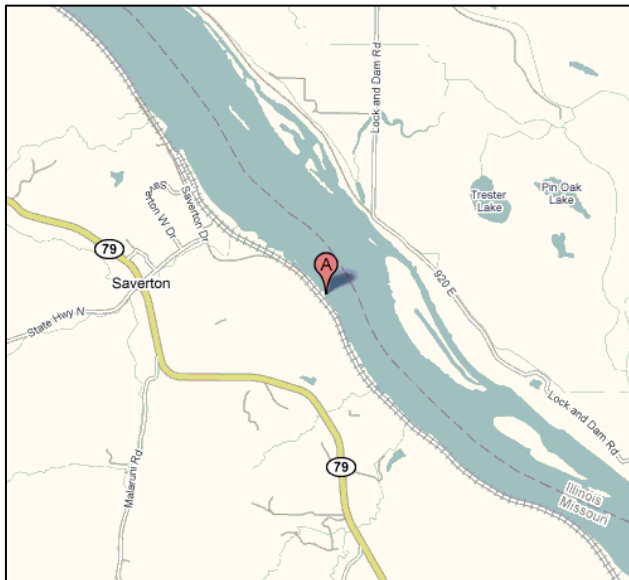
LOCATION: In Ralls County, Missouri, Lock and Dam 22 is located off of Highway 79 on Route E. It is directly upstream from Cattel Island near Saverton, MO, and at river mile 301.2 above mouth of the Ohio River.

NE 1/4, Sec. 20, Twp. 56N, Rng. 3W

39°38'10"N, 91°14'58"W

Drainage Area = 137,500 mi²

* Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



STAGE

Mississippi River
Lock & Dam #22 TW
SVRM7

| NARRATIVE | STAGE | HISTORICAL |
|--|--------------|-------------------------------------|
| | -----32----- | |
| | | ** 29.58 7/25/1993 |
| | -----30----- | |
| | | ** 28.0 6/23/2008 |
| | -----28----- | |
| | | ** 26.8 4/25/1973 |
| | -----26----- | |
| | | ** 26.12 5/16/2001 |
| Water enters Lock House @25.0 ** | -----24----- | |
| | | ** 24.10 10/5/1986 |
| | | ** 23.68 5/30/1996 |
| | | ** 23.4 4/5/1983 |
| | | ** 23.26 5/1/1965 |
| | | ** 22.99 4/15/1998 |
| | | ** 22.76 6/10/1947 |
| | -----22----- | |
| Lock & Dam closure @ 21.9 ** | | ** 22.03 4/4/1960 |
| | | ** MAJOR FLOOD STAGE 22.0' (NWS) |
| | | ** 21.87 4/13/1979 |
| | | ** 20.98 5/14/2002 ; 21.0 5/26/1995 |
| | -----20----- | |
| | | ** 20.29 6/4/2004 |
| | | ** MODERATE FLOOD STAGE 20.0' (NWS) |
| | -----18----- | |
| | | ** 18.1 5/2/1983 |
| | -----16----- | |
| Buildings in unprotected areas damaged @ 12.0 ** | | ** FLOOD STAGE 16.0' |

ELEVATION ZERO: 446.10
MSL 1912

MISSISSIPPI RIVER AT LOUISIANA, MISSOURI

USGS GAGE NUMBER: NONE*

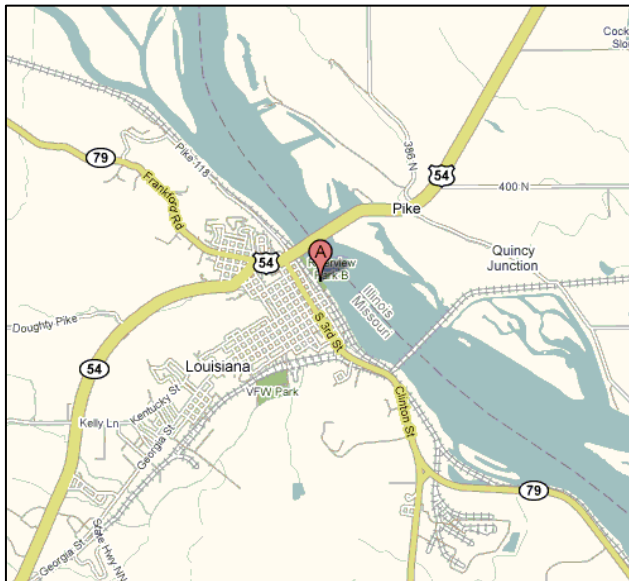
LOCATION: In Pike County, 0.8 miles upstream from the Gulf, Mobile and Ohio Railroad bridge, 0.3 miles downstream of the US 54 bridge, 1.2 miles downstream of Salt River at Louisiana city water intake, and at river mile 282.9 above mouth of the Ohio River.

NW 1/4, Sec. 13, Twp. 7S, Rng. 6W

39°27'09"N, 91°02'48"W

Drainage Area = 140,700 mi²

* Data regarding flood stages are based upon a gage operated by the Corps of Engineers, St. Louis District.



2008 FLOOD INFORMATION

The Sny Island L&DD#2 levee was raised 2-3 feet with sand pushed up and plastic over the top of it.

The Sny Island L&DD#3 levee was raised 2-3 feet with sand pushed up and plastic on the northern section and raised with just sand on the southern section. US Rte 54 was closed off at the Sny Island L&DD#3 levee on the Illinois Side.

1993 FLOOD INFORMATION

Sandbags were placed across U.S. Rte. 54 and the railroad on the Illinois side of the Mississippi River at Louisiana, Mo. to tie into the raised levee of Sny Island L&DD.

STAGE

Mississippi River
Louisiana, MO
LUSM7

| NARRATIVE | STAGE | HISTORICAL |
|--|-----------------------|-------------------------------------|
| | + + + + + + + + + + + | |
| | -----32----- | |
| Water reaches the top of the levee at the upstream end of the Sny Island Levee #2 @ 30.5 | -----30----- | |
| The boat house floods @ 29.5 | -----28----- | ** 28.28 7/29/1993 |
| Water reaches the low steel of the railroad bridge at Louisiana @ 28.0 | -----26----- | |
| Water overtops the Sny Island Levee #2 at the lowspot @ 27.3 | -----24----- | ** 27.05 4/24/1973 |
| Water overtops the Sny Island Levee #3 at the lowspot @ 27.2 | -----22----- | ** 26.96 6/23/2008 |
| | -----20----- | |
| Water reaches the US 54 road crossing at the Sny Island Levee #3 @ 25.0 | -----18----- | ** MAJOR FLOOD STAGE 25.0' (NWS) |
| US 54 is closed on the Illinois side @ 24.0 | -----16----- | ** 24.43 5/16/2001 |
| The Sny Island Levee District starts mobilizing to close the levee at US 54 @ 23.5 | -----14----- | |
| The east approach to the US 54 bridge begins to flood @ 23.1 | + + + + + + + + + + + | ** 22.7 4/5/1983 ; 10/5/1986 |
| | -----22----- | ** 22.2 7/1/1969 ; 22.25 6/22/1947 |
| | -----20----- | ** 22.1 4/13/1979 |
| | -----18----- | ** 21.8 4/16/1998 ; 21.9 4/28/1993 |
| | -----16----- | ** 20.9 5/19/1995 |
| | -----14----- | ** 20.23 5/14/2002 |
| Houses outside the Sny Island levee #2 are surrounded by water @ 19.6 | -----12----- | ** MODERATE FLOOD STAGE 20.0' (NWS) |
| | -----10----- | ** 19.7 4/22/1997 |
| | -----8----- | |
| Parking Area at boathouse floods @ 17.0 | -----6----- | |
| | -----4----- | |
| Damage begins to unprotected areas @ 15.0 | + + + + + + + + + + + | ** FLOOD STAGE 15.0' |
| | -----2----- | |
| | -----0----- | |

ELEVATION ZERO: 437.33
NGVD 1929

MISSISSIPPI RIVER AT LOCK AND DAM #24 TAILWATER AT CLARKSVILLE, MISSOURI

USGS GAGE NUMBER: NONE*

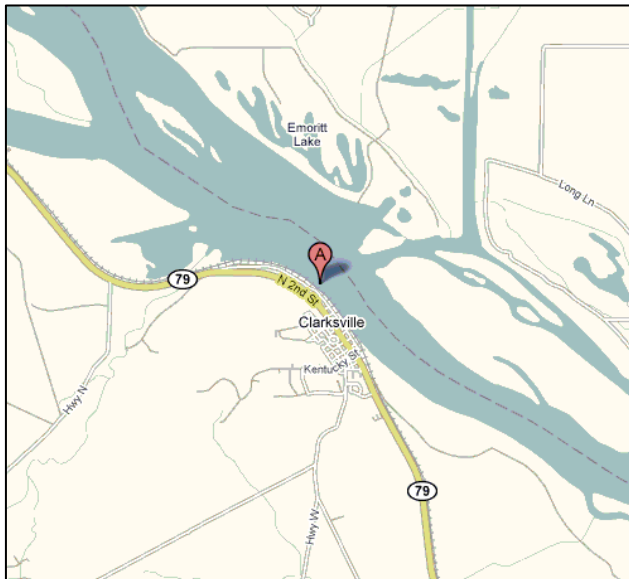
LOCATION: In Pike County at Clarksville, MO, in the lower end of the lock wall, and at river mile 273.2 above mouth of the Ohio River.

NW 1/4, Sec. 7, Twp. 8S, Rng. 4W

39°22'29"N, 90°54'25"W

Drainage Area = 140,900 mi²

* Data regarding flood stages are based upon a gage operated by the Corps of Engineers, St. Louis District.



2008 FLOOD INFORMATION

Damage information was gathered from a flood surveillance trip in April. The stage was 30.1 feet.

In Mozier water was on the foundation of a house and IL Rte 96 had three feet of freeboard.

During the June 2008 event the peak stage was 36.7 feet, 6.6 feet higher than April.

STAGE

Mississippi River
Lock & Dam #24 TW
CLKM7

| NARRATIVE | STAGE | HISTORICAL |
|---|-------|-------------------------------------|
| | 40 | |
| Water overtops the Sny Island Levee #4 **
at river mile 271 @ 39.2 | | |
| | 38 | ** 37.5 7/29/1993 |
| Water overtops the Sny Island Levee #4 **
at the lowspot @ 37.2 | | ** 36.76 4/24/1973 ; 36.7 6/24/2008 |
| | 36 | |
| | | ** 34.7 5/16/2001 |
| | 34 | |
| | | ** 33.7 10/5/1986 |
| Water overtops IL Rt 96 at Mozier @ 33.2 ** | | ** 33.24 4/6/1983 |
| | | ** MAJOR FLOOD STAGE 33.0' (NWS) |
| Lock & Dam closure @ 32.5 ** | | ** 32.7 5/30/1996 |
| | | ** 32.44 4/13/1979 |
| | | ** 32.2 4/25/1993 |
| | 32 | |
| | | ** 31.4 5/19/1995 |
| | | ** MODERATE FLOOD STAGE 31.0' (NWS) |
| | | ** 30.7 5/14/2002 |
| One house in Mozier with water at the foundation @ 30.2 ** | | ** 30.3 12/5/1982 |
| | 30 | |
| | | ** 29.53 6/05/2004 |
| Water overtops IL Rt 96 at Mozier Landing @ 28.8 ** | | ** 28.8 5/2/1983 |
| | 28 | |
| | | |
| | 26 | |
| | | ** FLOOD STAGE 25.0' |
| | 24 | |

ELEVATION ZERO: 422.00
NGVD 1929

MISSISSIPPI RIVER AT LOCK AND DAM #25 TAILWATER AT WINFIELD, MISSOURI

USGS GAGE NUMBER: NONE*

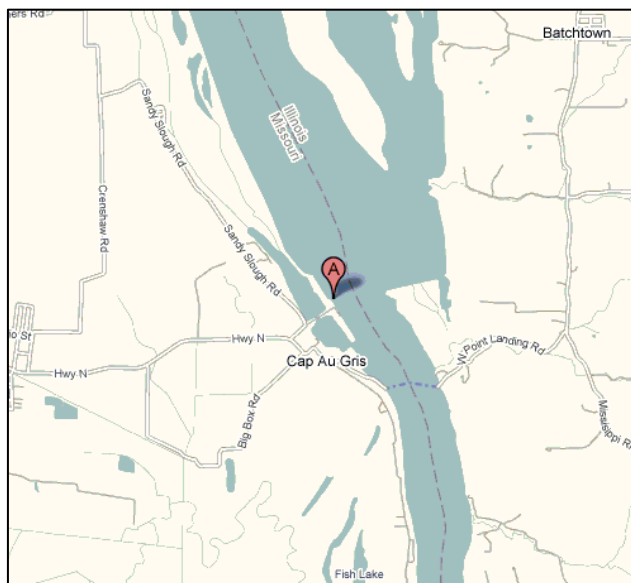
LOCATION: In Lincoln County near Winfield, Missouri in the lower end of the lock guide wall and at mile 241.2 above the Ohio River above mouth of the Ohio River.

NW 1/4, Sec. 19, Twp. 12S, Rng. 3W

39°00'19"N, 90°41'28"W

Drainage Area = 142,000 mi²

* Data regarding flood stages are based upon a gage operated by the Corps of Engineers, St. Louis District.



2008 FLOOD INFORMATION

Approximately a dozen structures in Hamburg were flooded, and another six structures north of Hamburg were flooded.

1993 FLOOD INFORMATION

Thirty-six residences and one business in Hamburg were damaged.

STAGE

Mississippi River
Lock & Dam #25 TW
CAGM7

| NARRATIVE | STAGE | HISTORICAL |
|--|-------|---|
| | 40 | ** 39.62 8/1/1993 |
| | 38 | ** 37.08 6/27/2008
** 36.93 4/27/1973 |
| | 36 | ** 34.7 5/18/2001
** 34.20 4/14/1979 |
| | 34 | ** MAJOR FLOOD STAGE 34.0' (NWS)
** 33.98 4/7/1983 ; 33.93 5/20/1995
** 33.63 10/7/1986 |
| Lock & Dam closure @ 33.75 **
One house in Hamburg with water
on the first floor @ 33.4 ** | | ** 32.6 12/6/1982 ; 32.7 4/17/1998
** 32.5 5/15/2002 |
| | 32 | ** 31.9 5/5/1983 |
| Water Street in Hamburg begins to flood @ 31.2 ** | | |
| In Hamburg, 4 houses and a commercial building
(abandoned?) with water on the foundations @ 30.4 ** | | ** MODERATE FLOOD STAGE 30.0' (NWS)
** 29.62 6/06/2004 |
| | 28 | |
| Damage begins to cabins at various landings in the
area. Inundation of low areas begins @ 26.2 ** | | ** FLOOD STAGE 26.0' |

ELEVATION ZERO: 407.09
NGVD 1929

MISSISSIPPI RIVER AT GRAFTON, ILLINOIS

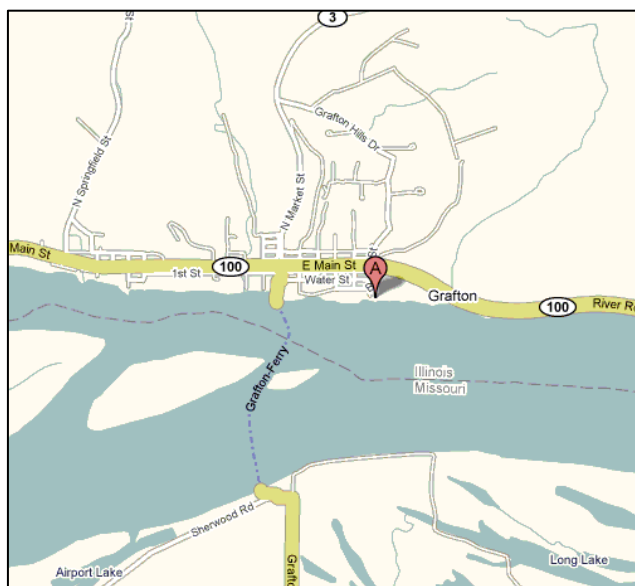
USGS GAGE NUMBER: 05587450

LOCATION: In Jersey County, 0.2 mile downstream from the mouth of the Illinois River 2.3 miles upstream from Chautaugua, Illinois, 3.8 miles upstream from Elsah, Illinois, and at river mile 218.0 above mouth of the Ohio River.

NW 1/4, Sec. 15, Twp. 6N, Rng. 12W

38°58'05"N, 90°25'44"W NAD83

Drainage Area = 171,300 mi²



2008 FLOOD INFORMATION

In Elsah three homes reported having water in their basements due to flooding.

In Grafton 110 structures were damaged by the floods, with 86 of the structures considered substantially damaged.

1993 FLOOD INFORMATION

One business was damaged at Elsah.

About 260 residences and 32 businesses were damaged at Grafton. The water and sewage treatment facilities were not lost but a boil order was in effect from late June to late August. The ferry across the Illinois River to Calhoun County was closed due to the high stages.

MISSISSIPPI RIVER AT MELVIN PRICE LOCK AND DAM 26 TAILWATER AT ALTON, ILLINOIS

USGS GAGE NUMBER: NONE*

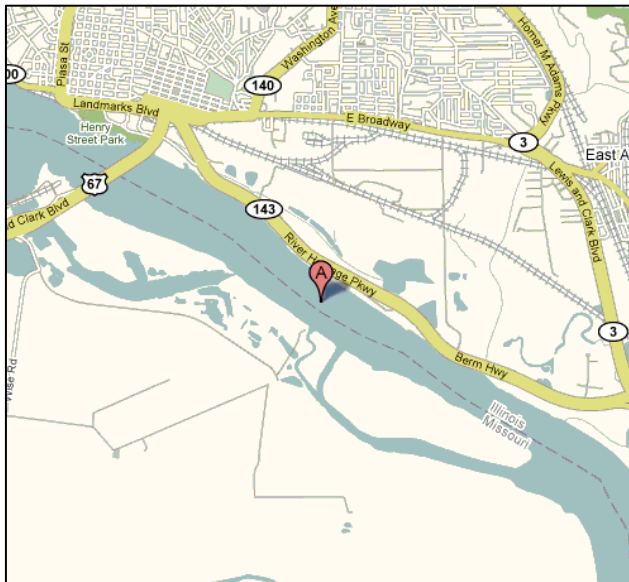
LOCATION: In Madison County, 2 miles downstream of the U.S. Rte. 67 bridge at river mile 200.5 above the mouth of the Ohio River.

SW 1/4, Sec. 19, Twp. 5N, Rng. 9W

38°52'05"N, 90°09'05"W

Drainage Area = 171,500 mi²

* Data regarding flood stages are based upon a gage operated by the Corps of Engineers, St. Louis District.



1993 FLOOD INFORMATION

About 80 businesses were damaged in Alton. Streets in the area were buckling and flooding due to seepage and local runoff. Several thousand tons of rock were laid over the roads to provide for continued traffic movement. The private company providing water to Alton was damaged which necessitated the hauling of potable water during the first part of August.

MISSISSIPPI RIVER AT ST. LOUIS, MISSOURI

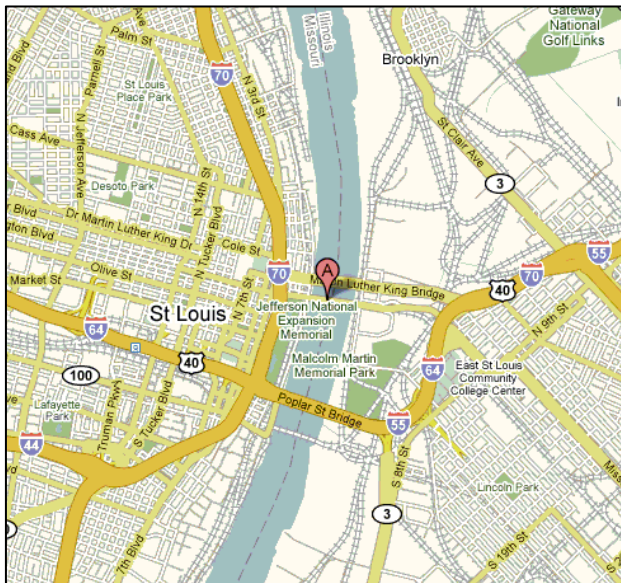
USGS GAGE NUMBER: 07010000

LOCATION: On the downstream side of the west pier of Eads Bridge at St. Louis, Missouri, 15 miles downstream from Missouri River, 19.2 miles upstream from Meramec River, and at mile 180.0 above the Ohio River.

SW 1/4, Sec. 11, Twp. 2N, Rng. 10W

38°37'44"N, 90°10'47"W NAD83

Drainage Area = 697,000 mi²



1993 FLOOD INFORMATION

At the Fish Lake D&LD seepage and sand boils were controlled by sandbags. Some farmland adjacent to the levee was damaged due to the seepage.

At the Prairie DuPont D&LD seepage and local runoff caused the largest problems. The worst sand boil caused by the seepage was nearly 1,000 feet from the levee and required 15,000 sandbags to control. Two additional pumps were brought in to assist the pumping station in controlling the stages inside the

district. About 12 residences and 1 business sustained damage within the district.

At Metro-East Levee and Sanitary District seepage and local runoff caused the largest problems. Hundreds of thousands of sandbags were used to strengthen the levee. Sand boils were covered with rock to control them. Fourteen pump station each with 5 to 6 pumps were running non-stop to control stages inside the district. Several local roads were closed when the flood gates were installed.

At the Chouteau Island D&LD the levee was raised with sandbags but was still overtopped and failed on July 8. About 40 residences on the island were damaged as a result of the levee break.

Columbia D&LD the levee was raised with sandbags but was still overtopped and failed on August 1. After the district was filled the flank levee on Fountain Creek was overtopped and failed. About 80 individual residences, 450 farmsteads and 14,000 acres of farmland were damaged. Columbia sewage treatment plant was inundated. At the Harrisonville and Ivy Landing D&LD the flank levee on Fountain Creek opposite the failed portion of the Columbia D&LD was breached on August 2. The failure brought flows additionally into the Fort Chartres and Ivy Landing D&LD, the Moredock and Ivy Landing DD, and the Stringtown D&LD since there are no flank levees between the districts. About 42,400 acres on farmland within these districts were damaged. The communities protected by the districts, Valmeyer, Harrisonville, Maeyes, Chalfin Bridge, Fountain, Fults and Kidd, were also damaged.

At the Wood River D&LD additional pumping was necessary to control seepage and local runoff.

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MISSISSIPPI RIVER AT CHESTER, ILLINOIS

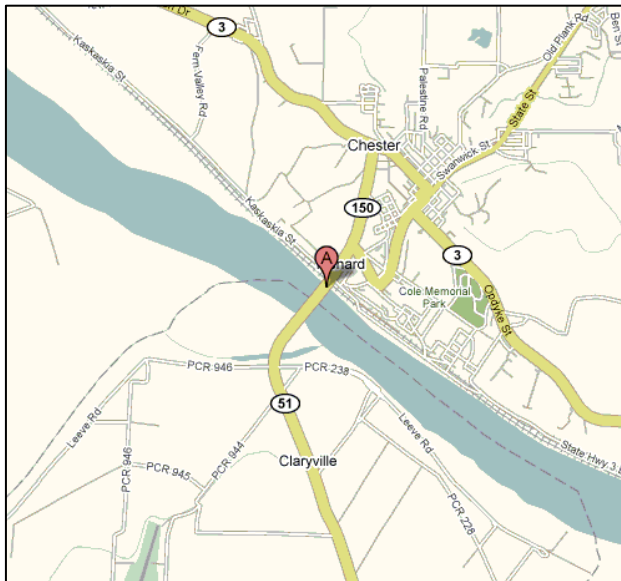
USGS GAGE NUMBER: 07020500

LOCATION: In Randolph County, on downstream side of the left pier of the main truss of State Highway 51 bridge at Chester, 8.1 miles downstream from Kaskaskia River, and at river mile 109.9 above the mouth of the Ohio River.

SW 1/4, Sec. 27, Twp. 7S, Rng. 7W

37°54'13.5"N, 89°50'08"W NAD83

Drainage Area = 708,600 mi²



1993 FLOOD INFORMATION

At the Harrisonville and Ivy Landing D&LD the flank levee on Fountain Creek opposite the failed portion of the Columbia D&LD was breached on August 2. The failure brought flows additionally into the Fort Chartres and Ivy Landing D&LD, the Moredock and Ivy Landing DD, and the Stringtown D&LD since there are no flank levees between the districts. About 42,400 acres on farmland within these districts were damaged. The communities protected by the districts, Valmeyer,

Harrisonville, Maeys, Chalfin Bridge, Fountain, Fults and Kidd, were also damaged. Since these drainage districts were all going to be filled due to the breach at the upstream district a downstream section of the Stringtown D&LD was intentionally breached in an effort to prevent its flank levee on Prairie du Rocher Creek from being overtopped and breached and potentially causing damage to the next downstream district, the Prairie du Rocher and Modoc D&LD.

At the Prairie du Rocher and Modoc D&LD sandbags were used to raise the levee and control the 25 sand boils which developed in the district. About 8" of water was against the sand bags which were used to raise the levee.

STAGE

Mississippi River
Chester, IL
CHS12

| NARRATIVE | STAGE | HISTORICAL |
|--|-----------------------|--------------------------------------|
| | + + + + + + + + + + + | |
| | -----52----- | |
| Water overtops the Ft. Chartres & Ivy Landing levee and the Kaskaskia Island levee @ 50.0 | | ** 49.74 8/7/1993 |
| The Stringtown & Prairie DuRocher levees overtops @ 49.4 | | |
| The Degognia & Fountain Bluff levee overtops @ 49.0 | | |
| | -----48----- | |
| Mill on IL Rte 3 floods @ 47.5 | | |
| Menard correctional facility floods @ 47.0 | | |
| | -----44----- | |
| Baldwin water treatment plant is flooded @ 44.0' | | ** 44.03 5/23/1995 |
| | | ** 43.32 4/30/1973 |
| Damage begins at the Menard Prison water plant @ 42.0 | | |
| | | ** 41.02 5/5/1983 |
| Main St in Evansville is inundated @ 40.8 | | ** 40.58 5/17/2002 |
| | -----40----- | |
| IL Rte 3 south of Chester and IL Rte 155 near Praire du Rocher floods @ 39.0 | | ** 39.79 4/16/1979 ; 39.83 6/30/1844 |
| IL Rt. 3 at levee east of Cora inundated @ 38.4 | | ** 39.46 7/1/2008 ; 39.54 10/10/1986 |
| Fonda St in Chester & IL Rte 3 in Rockwood floods plus additional Rockwood homes damaged @ 38.0 | | ** 38.9 4/16/1994 |
| | | ** MAJOR FLOOD STAGE 38.0' (NWS) |
| | | ** 37.7 4/19-20/1993 |
| Union Pacific property along Water Street floods @ 37.0 | | |
| Damage begins to 4 homes and Administration building at Menard State Prison. IL Rte 3 at Rockwood closes. Chester water intake house floods. Prairie DuRocher pump station flooded and road to Kaskaskia Lock inundated @ 36.5 | | ** 35.3 6/11/2001 |
| | | ** 35.0 4/19/1998 |
| | -----36----- | |
| Water St in Chester is inundated @ 33.5 | | |
| | | ** 32.43 5/26/1974 |
| | -----32----- | |
| | | ** MODERATE FLOOD STAGE 30.0' (NWS) |
| | | ** 29.35 5/30/2004 |
| | -----28----- | |
| Unleveed islands near Chester and the prison farm floods @ 28.0 | | ** FLOOD STAGE 27.0' |
| | | |
| Prairie DuRocher shuts drainage ditch gates @ 26.0 | | |
| Degognia Fountain Bluff levee gates are closed @ 25.0 | | |
| | -----24----- | |
| | + + + + + + + + + + + | |

ELEVATION ZERO: 341.05
NGVD 1929

Rock was used to close the railroad crossing of the Prairie du Rocher Creek to the level of the levee. About 40 residences and 7 businesses received damage, primarily from seepage and storm sewer backup into basements.

At the Kaskaskia Island D&LD sand bags were used to control the sand boils, but the seepage became too great and the levee failed on July 22 which flooded the entire island, 15,000 acres.

At the Degonia & Fountain Bluff D&LD sandbags were used to raise the levee. About 1' of water was against these sand bags when the river crested. Sandbags were also used to control sand boils.

At Chester 1 residence and 1 business received damage during the flood. The M&I RR was overtopped. Access to 7 homes was cut off when the river overtopped Fonda St. Movement of prisoners began at the Menard Correctional Center when the road to the prison was overtopped.

At Rockwood 14 residences, 4 businesses, and 1 farmstead received damage. Ill. Rte. 3 was overtopped on July 7. A county road was raised with rock but was eventually overtopped on July 30.

At Evansville on the Kaskaskia River, high stages on the Mississippi River caused damage to several residences. Sandbags were placed around the water treatment plant.

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MISSISSIPPI RIVER AT CAPE GIRARDEAU, MISSOURI

USGS GAGE NUMBER: NONE*

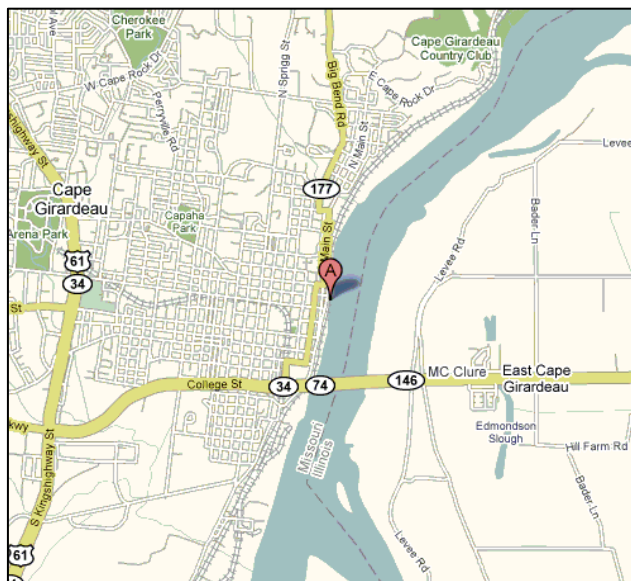
LOCATION: In Girardeau County, Missouri, 0.4 mile upstream from Illinois Route 146 bridge, at river mile 52.1 above the mouth of the Ohio River.

NW 1/4, Sec. 13, Twp. 14S, Rng. 4W

37°18'15"N, 89°31'03"W

Drainage Area = 712,000 mi²

* Data regarding flood stages are based upon a gage operated by the Corps of Engineers, St. Louis District.



1993 FLOOD INFORMATION

At the Clear Creek D&LD sandbags were used to raise the levee and to control sand boils. The pump station was flooded on July 15. Seepage and interior flooding were major problems within the district. About 30 residences and 3 businesses were damaged.

At the Preston D&LD sandbags were used to raise the levee and to control sand boils. About 6" of water was against the sandbags when the river crested. Rock, up

to 3' high, was also placed on the levees and at the Ill. Rte. 3 bridge over the Big Muddy River. Seepage and interior flooding were major problems within the district. About 60 residences and 1 business were damaged.

At the East Cape Girardeau D&LD and the North Alexander County DD seepage and interior flooding were major problems. A majority of the drainage from the Clear Creek, Miller Pond, and Preston D&LDs flows toward these two districts which have flap gated gravity outlets to Sexton Creek or the Mississippi River.

The ponding of water in these two districts necessitated the raising of Ill. Rtes. 3 & 146 with rock to allow access to Cape Girardeau, Mo. Temporary pumps were installed to help reduce the ponding of the water.

At the Grand Tower D&LD sandbags were used to raise the levee. Water was against the sandbags about 10" when the river crested. All of the residences in Grand Tower and 1 business were damaged due to seepage and interior flooding.

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MISSISSIPPI RIVER AT THEBES, ILLINOIS

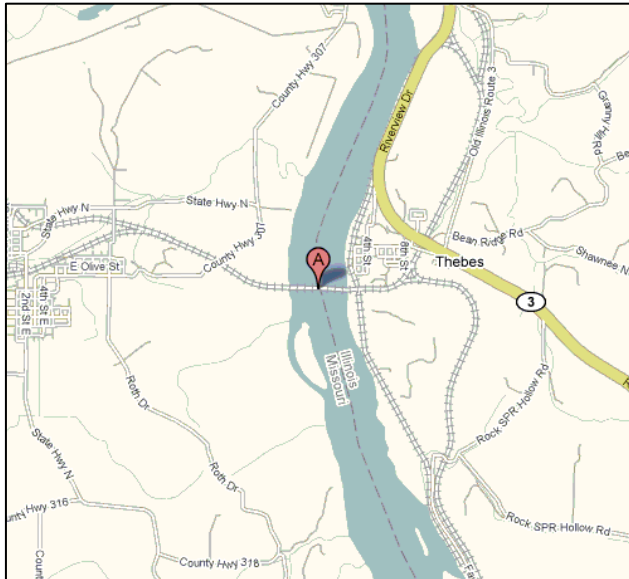
USGS GAGE NUMBER: 07022000

LOCATION: In Alexander County, near the center span on the downstream side of the railroad bridge at Thebes, 5 miles downstream from the Headwater Diversion Channel, and at river mile 43.7 above the mouth of the Ohio River.

NW 1/4, Sec. 17, Twp. 15S, Rng. 3W

37°12'59"N, 89°28'03"W NAD83

Drainage Area = 713,200 mi²



1993 FLOOD INFORMATION

At the Len Small levee system, the levee failed by piping on July 15. This system begins near river mile 39 and is open at the downstream end near river mile 22. About a 4" diameter flow began through the levee but as the failure continued approximately 2500' of levee was eroded away. The levee still had about 5' of freeboard at the time of the failure. Damages occurred to 250 residences and 20,000 acres of farmland. Within 38 hours of the failure water had reached Olive Branch. Depths of

water in the range of 4.5' occurred in Olive Branch. Miller City and Willard were isolated. Flows from the breach moved both northeasterly and southeasterly. The northeastern flows moved through Horseshoe Lake and through Lake Creek either to the Cache River or overland to the Mississippi River. The southeastern flows moved overland to the Mississippi River. The overland flows combined with the Mississippi River again in the area from river mile 13 to 17.

STAGE

Mississippi River
Thebes, IL
THB12

| NARRATIVE | STAGE | HISTORICAL |
|---|-------------------------------------|--|
| Water overtops the Len Small Levee along the Santa Fe Chute @ 46.5' | + + + + + + + + + +
-----46----- | ** 45.91 5/23/1995
** 45.51 8/7/1993
** 45.15 7/4/1844 |
| | -----44----- | ** 44.31 5/18/2002
** 44.1 5/6/1983 |
| Thebes village maintenance shop floods @ 43.0' | -----43----- | ** 43.43 4/30/1973
** 43.11 4/17/1979 |
| | -----42----- | ** MAJOR FLOOD STAGE 42.0' (NWS) |
| Mississippi R. closed to traffic @ ~41.5' | -----41----- | ** 41.78 12/10/1982
** 41.52 10/14/1987 |
| | -----40----- | ** 40.95 7/3/2008
** 40.55 5/17/1996 ; 40.46 3/1/1985
** 40.37 3/24/2008 |
| | -----39----- | ** 39.7 4/20/1993 |
| | -----38----- | ** 38.96 3/3/1997
** 38.58 4/27/1984 |
| | -----37----- | ** MODERATE FLOOD STAGE 37.0' (NWS) |
| Thebes Landing campground floods, campers have to move out @ 36.0' | -----36----- | ** 36.36 5/26/1974 |
| | -----34----- | ** 33.27 5/31/2004 |
| Park at Thebes along river inundated & flooding begins for residences in Gale @ 33.0' | -----33----- | ** FLOOD STAGE 33.0' |
| | -----32-----
+ + + + + + + + + + | |

ELEVATION ZERO: 300.00
NGVD 1929

At Thebes about 15 residences were damaged by the flooding. Sandbags were placed down 4th St. to minimize further damages. The sewage lagoon was also flooded out.

Sandusky and Unity did receive some water from the failure of the Len Small system but no damage. Some sandbagging occurred in Sandusky to protect residences. No damages occurred in Tamms or Cache.

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NIPPERSINK CREEK NEAR SPRING GROVE, ILLINOIS

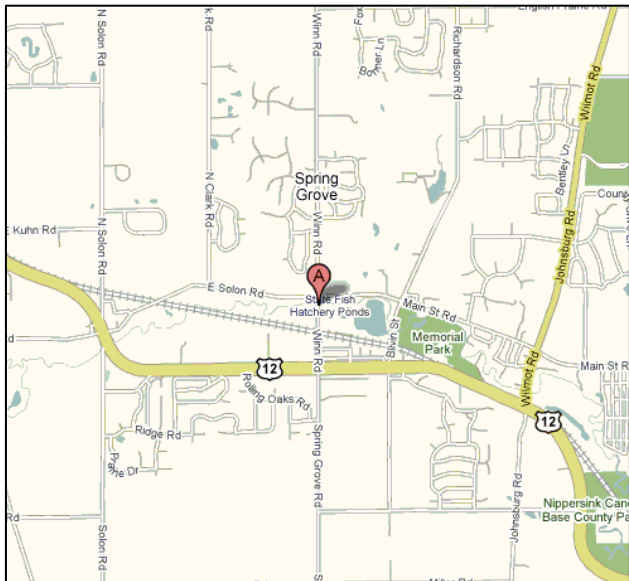
USGS GAGE NUMBER: 05548280

LOCATION: In McHenry County, on the right bank at the upstream side of the bridge on Winn Road, 0.6 mile west of Spring Grove, and at river mile 7.4.

NW 1/4, Sec. 25, Twp. 46N, Rng. 8E

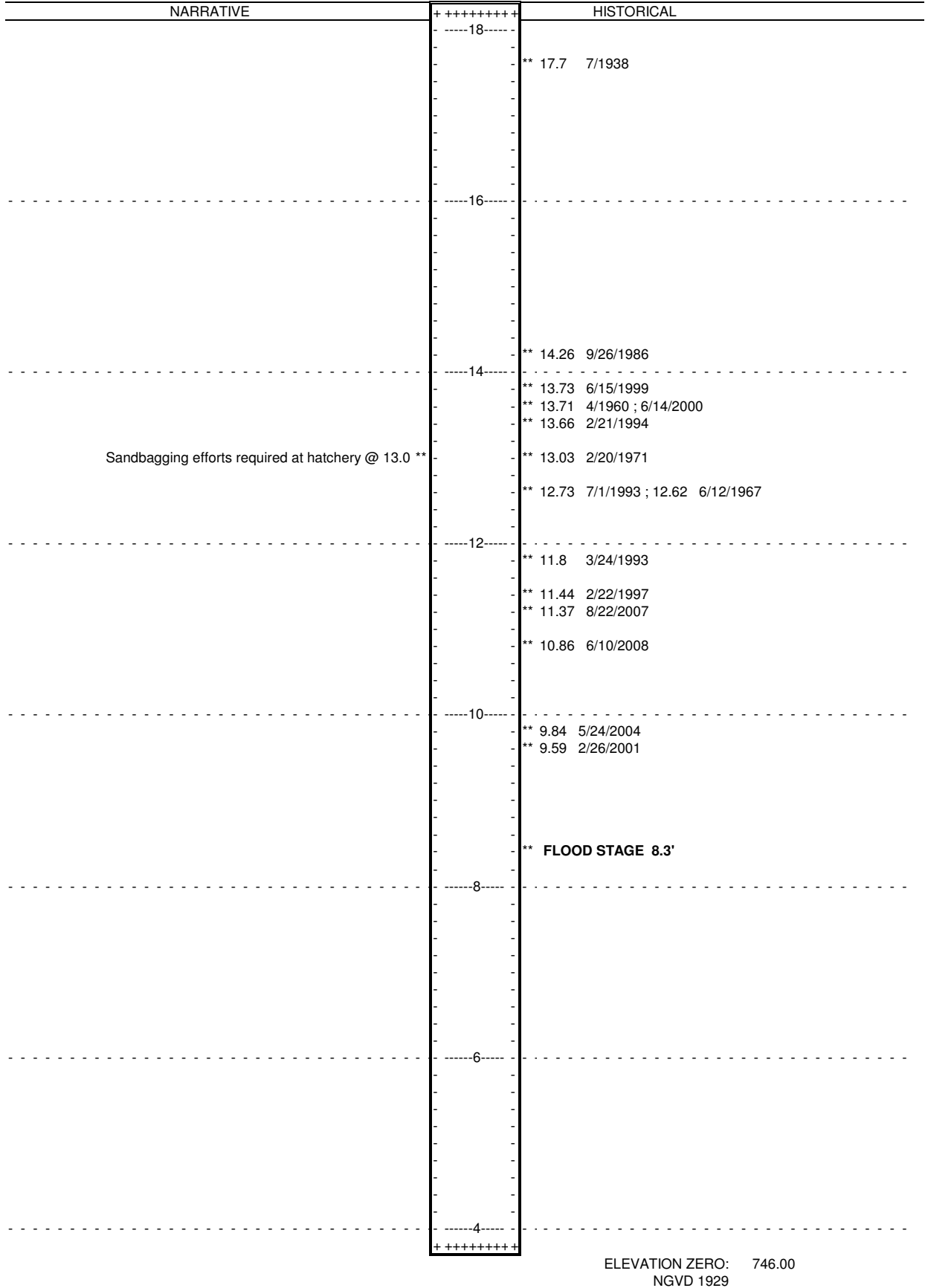
42°26'36"N, 88°14'51"W NAD83

Drainage Area = 192 mi²



STAGE

Nippersink Creek
Spring Grove, IL



ELEVATION ZERO: 746.00
NGVD 1929

NORTH FORK VERMILION RIVER NEAR BISMARCK, ILLINOIS

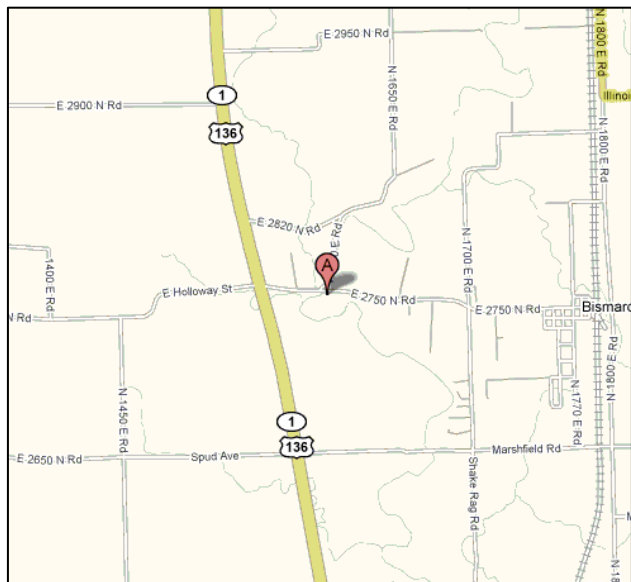
USGS GAGE NUMBER: 03338780

LOCATION: In Vermilion County, on the left downstream bank at the bridge on county road 2750 N, 1.8 miles west of Bismarck, 1.9 miles downstream from Painter Creek, 6.6 mile downstream from Middle Branch of North Fork Vermilion River, and at river mile 17.7.

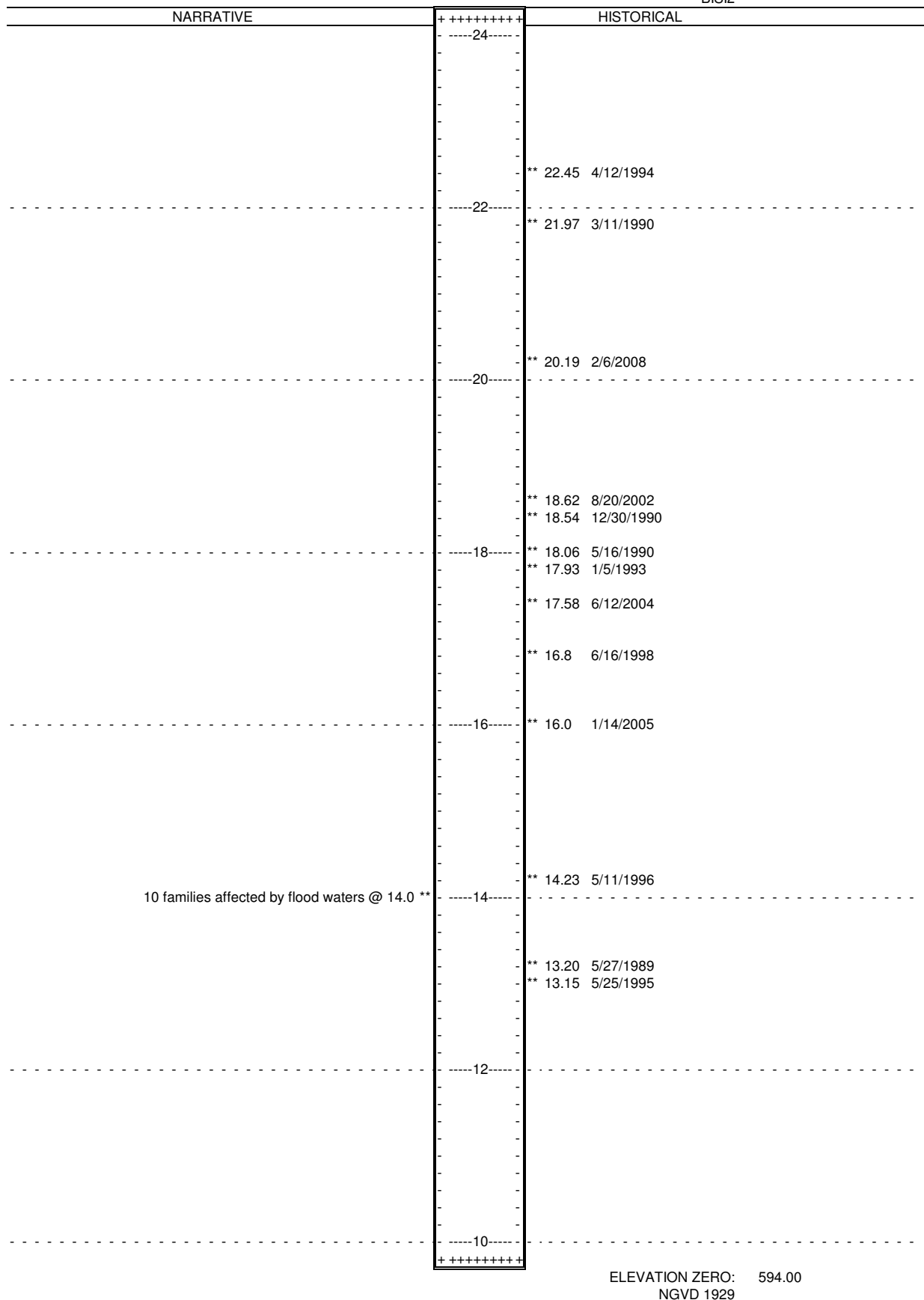
NE 1/4, Sec. 24, Twp. 21N, Rng. 12W

40°15'55"N, 87°38'34"W NAD27

Drainage Area = 262 mi²



STAGE North Fork Vermilion River
Bismarck, IL
BIS12



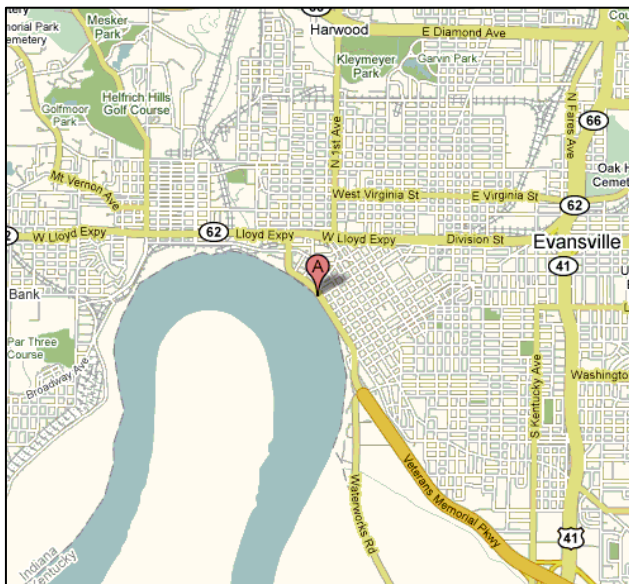
OHIO RIVER AT EVANSVILLE, INDIANA

USGS GAGE NUMBER: 03322000

LOCATION: In Vanderburgh County, Indiana on the right bank at Riverside Drive and Court Street in Evansville, 0.6 mile upstream from Pigeon Creek, and at mile 792.2.

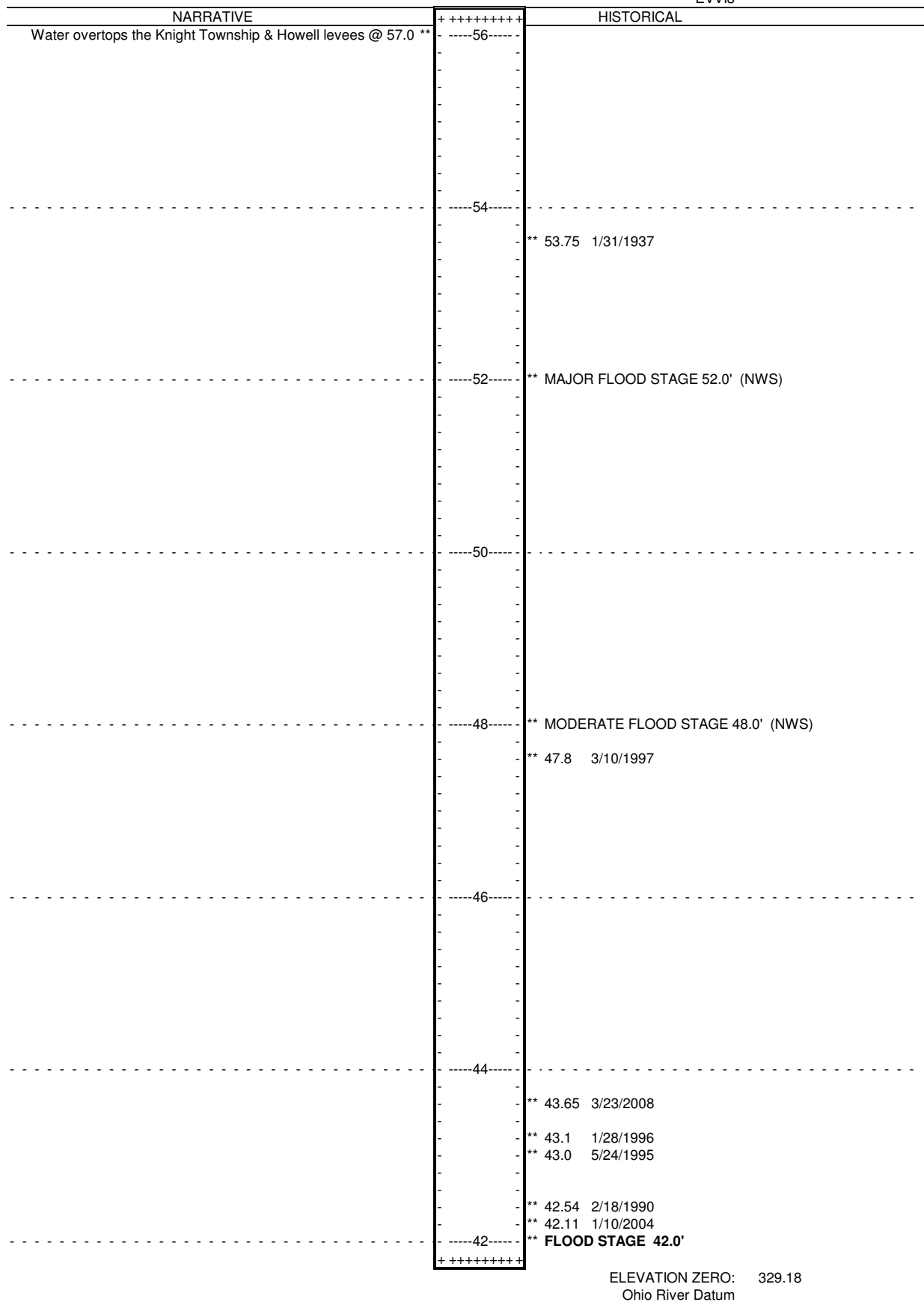
37°58'20"N, 87°34'35"W NAD27

Drainage Area = 107,000 mi²



STAGE

Ohio River
Evansville, Indiana
EVVI3

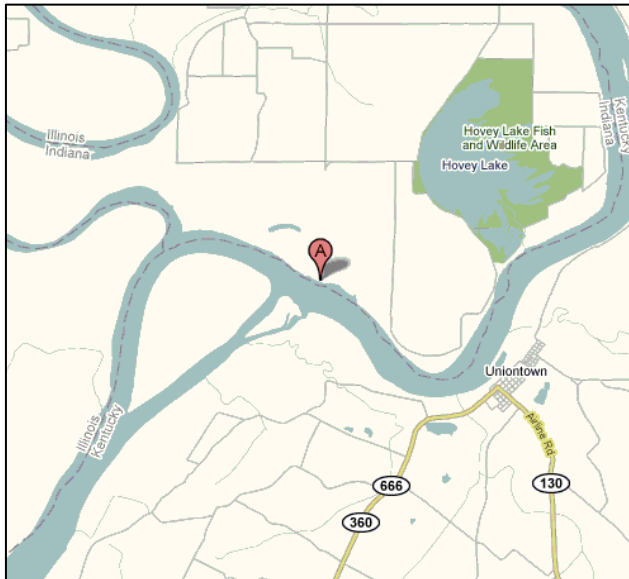


OHIO RIVER AT J.T. MYERS DAM POOL NEAR UNIONTOWN, KENTUCKY

USGS GAGE NUMBER: 03322420

LOCATION: In Union County, Kentucky, 1200 feet upstream of the dam, 2.1 miles upstream of the Wabash River, 3.3 miles northwest of Uniontown, Kentucky, and at mile 845.8.

Drainage Area = 108,000 mi²



STAGE

Ohio River
J.T. Meyer Dam Pool

NARRATIVE

HISTORICAL

+ + + + + + + + + + +

48

** 46.5 1937

** 45.40 2/24/1989

44

40

36

32

** 31.6 3/27/2008

** 28.8 5/26/1995

28

** 27.1 4/22/1994

** 27.03 2/6/1990

24

20

+ + + + + + + + + + +

ELEVATION ZERO: 330.05
Ohio River Datum

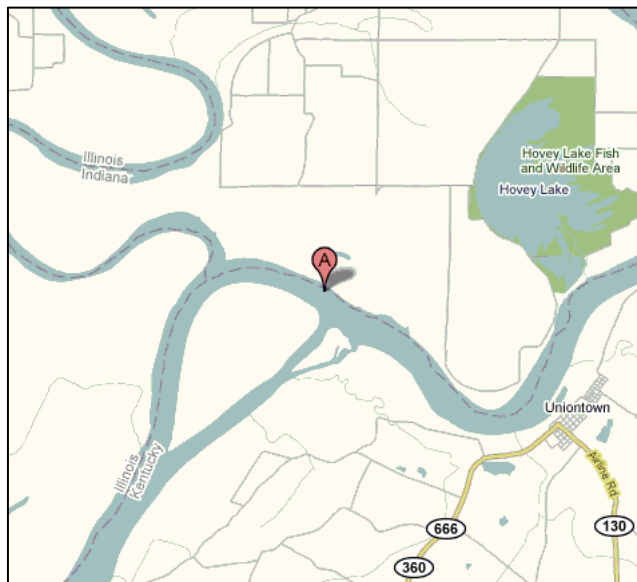
OHIO RIVER AT J.T. MYERS DAM, TAILWATER NEAR UNIONTOWN, KENTUCKY

USGS GAGE NUMBER: 03322420

LOCATION: In Union County, Kentucky, downstream of the dam, 2.1 miles upstream of the Wabash River, 3.3 miles northwest of Uniontown, Kentucky, and at river mile 846.

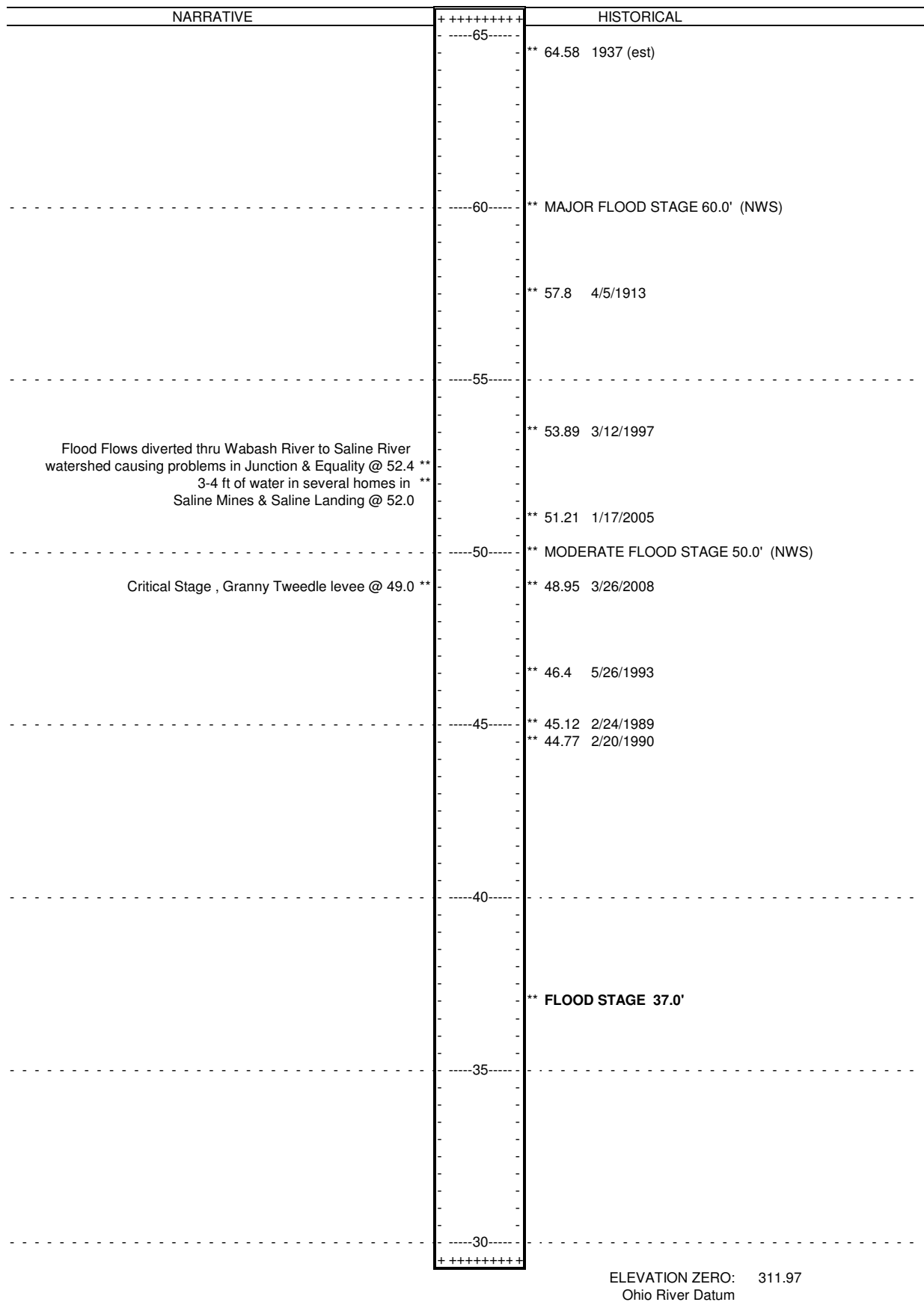
37°47'49"N, 87°59'53"W

Drainage Area = 108,000 mi²



STAGE

Ohio River
J.T. Meyer Dam TW



ELEVATION ZERO: 311.97
Ohio River Datum

OHIO RIVER AT SHAWNEETOWN, ILLINOIS

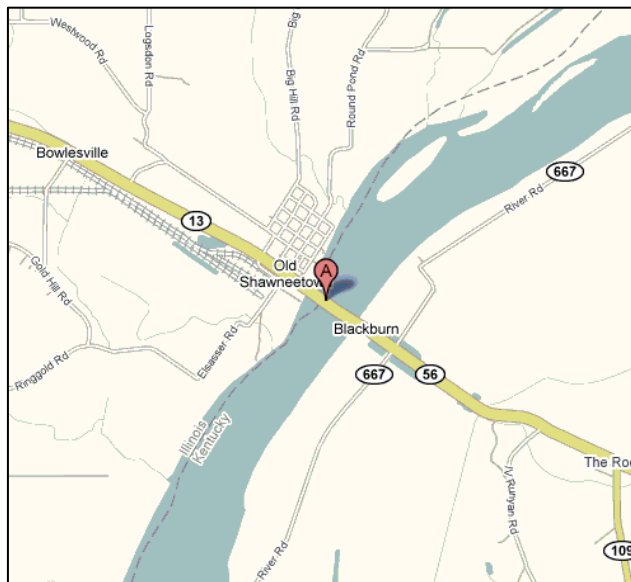
USGS GAGE NUMBER: 00381700

LOCATION: Union County, Kentucky, on the main bridge pier on the downstream side of State Highway 13, 9.5 miles upstream from Saline River, and at river mile 858.2.

NW 1/4, Sec. 32, Twp. 9S, Rng. 10E

37°41'31"N, 88°08'00"W NAD83

Drainage Area = 141,000 mi²



STAGE

Ohio River
Shawneetown, IL
SHNI2

| NARRATIVE | STAGE | HISTORICAL |
|---|--------------|-------------------------------------|
| | -----65----- | ** 65.64 1/30/1937 |
| Water overtops the Shawneetown levee @ 60.3 ** | -----60----- | |
| Critical stage at Shawneetown @ 57.0 ** | | ** 55.6 3/14/1945 |
| | -----55----- | ** 55.3 1/19/1950 |
| | | ** 54.6 3/20/1964 |
| | | ** 54.4 3/12/1997 |
| Critical stage Elizabethtown @ 53.0 ** | | ** MAJOR FLOOD STAGE 53.0' (NWS) |
| Several rural roads and houses are isolated @ 52.0 ** | | ** 52.4 5/16/1961 |
| | | ** 52.3 1/9/1991 ; 52.0 1/17/2005 |
| Water begins to seep through levee @ 50.0 ** | -----50----- | ** 51.1 3/8/1979 |
| | | ** 50.8 3/24/1963 |
| | | ** 49.3 5/11/1983 |
| | -----45----- | |
| Cave-In-Rock Ferry closes @ 44.0 ** | | ** MODERATE FLOOD STAGE 43.0' (NWS) |
| | | ** 42.45 5/15/1984 |
| | -----40----- | |
| | -----35----- | |
| Minor bottomland flooding @ 33.0 ** | | ** FLOOD STAGE 33.0' |
| Close lowest gate @ 31.0 ** | -----30----- | |

ELEVATION ZERO: 309.07
Ohio River Datum

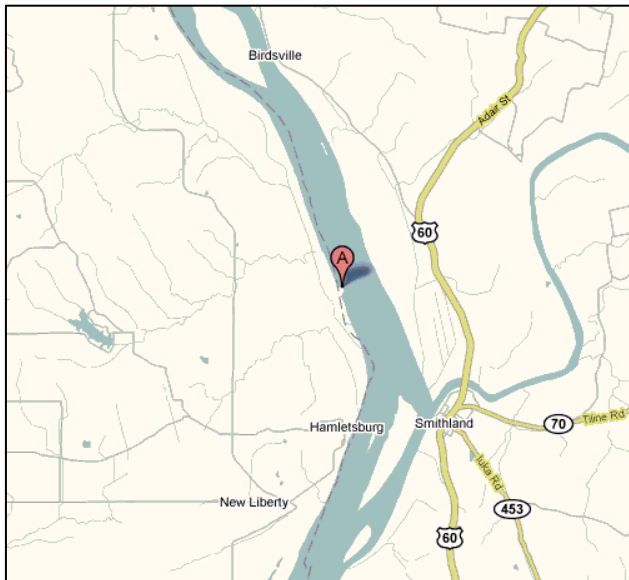
OHIO RIVER AT SMITHLAND DAM POOL NEAR SMITHLAND, KENTUCKY

USGS GAGE NUMBER: 03399800

LOCATION: In Livingston County, Kentucky, 1800 feet upstream of the dam, 2.4 miles northwest of Smithland, Kentucky, and at mile 918.8.

SW 1/4, Sec. 34, Twp. 15S, Rng. 7E

Drainage Area = 144,000 mi²



STAGE

Ohio River
Smithland Dam Pool

NARRATIVE

HISTORICAL

+ + + + + + + + + + +

-----31-----

** 30.2 3/13-14/1997

-----29-----

-----27-----

-----25-----

** 24.10 4/23-24/1994

** 23.3 5/26-27/1995

-----23-----

** 21.3 2/1/1996

-----21-----

** 19.5 4/3/1993

-----19-----

-----17-----

+ + + + + + + + + + +

ELEVATION ZERO: 311.94
Ohio River Datum

OHIO RIVER AT SMITHLAND DAM TAILWATER NEAR SMITHLAND, KENTUCKY

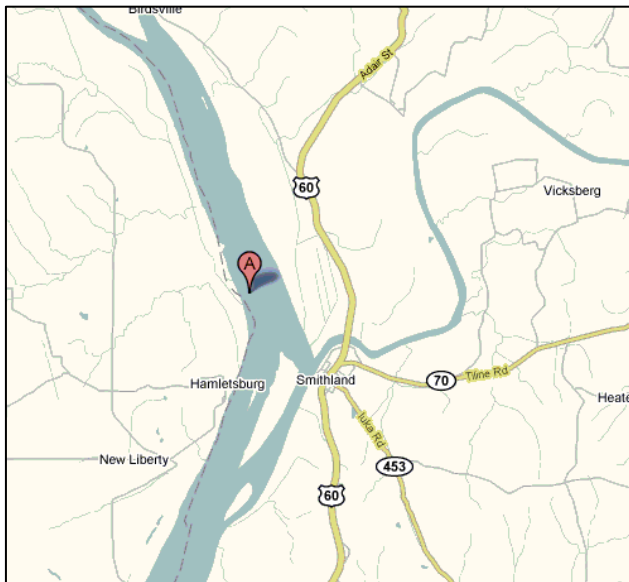
USGS GAGE NUMBER: 03399800

LOCATION: In Pope County, IL, Hydrologic Unit 05140203, at Smithland Dam, 1.1 miles upstream from Cumberland Island, 1.8 miles northwest of Smithland, and at mile 919.0.

SW 1/4, Sec. 34, Twp. 15S, Rng. 7E

37°09'30"N, 88°25'34"W NAD27

Drainage Area = 144,000 mi²



STAGE

Ohio River
Smithland Dam TW

NARRATIVE

HISTORICAL



** 63.0 1937 (est)

** 51.44 3/2/1997

** MAJOR FLOOD STAGE 50.0' (NWS)

** 49.8 4/8/1991

** MODERATE FLOOD STAGE 48.0' (NWS)

** 47.29 1/16/2005

** 45.29 4/23/1994

** 44.08 5/28/1995 ; 5/17/1996

** 43.7 2/1/1999

** 43.0 5/24/2002

** 40.5 4/3/1993

** **FLOOD STAGE 40.0**

ELEVATION ZERO: 290.00
Ohio River Datum

OHIO RIVER AT PADUCAH, KENTUCKY

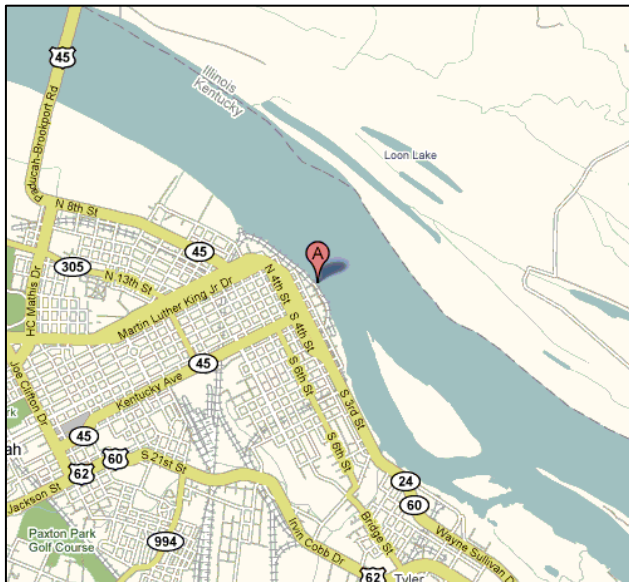
USGS GAGE NUMBER: 03611000

LOCATION: In McCracken County, Kentucky, 2.5 miles upstream from Irvin Cobb Highway Bridge, 4.1 miles above Lock & Dam 52, 6.3 miles upstream from Interstate 24 Bridge, and at mile 935.

SE 1/4, Sec. 30, Twp. 16S, Rng. 6E

37°05'22"N, 88°35'40"W NAD27

Drainage Area = 202,800 mi²

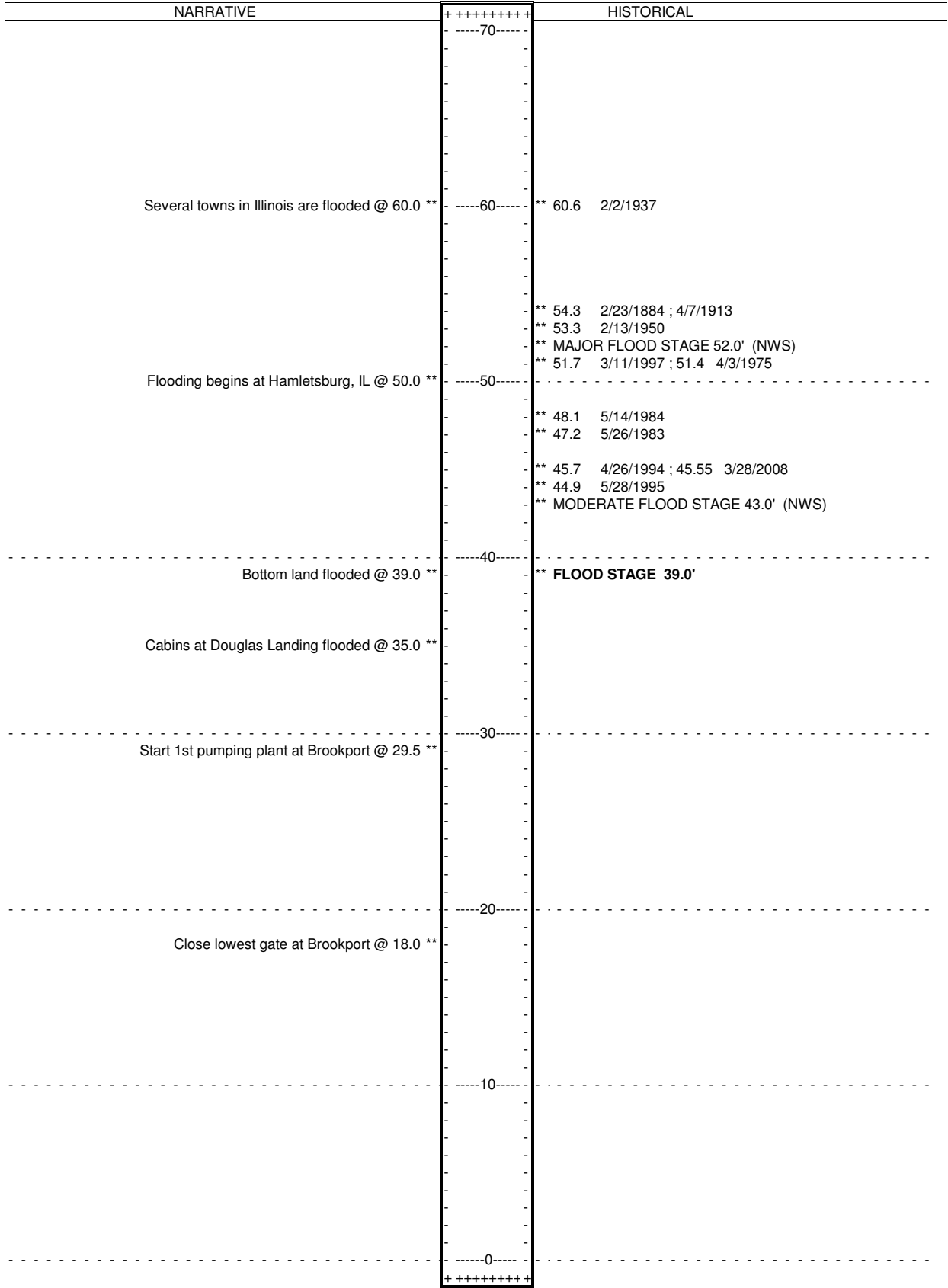


STAGE

Ohio River
Paducah, Kentucky
PADK7

NARRATIVE

HISTORICAL



ELEVATION ZERO: 286.26
Ohio River Datum

OHIO RIVER AT LOCK AND DAM #52 TAILWATER AT BROOKPORT, ILLINOIS

USGS GAGE NUMBER: NONE*

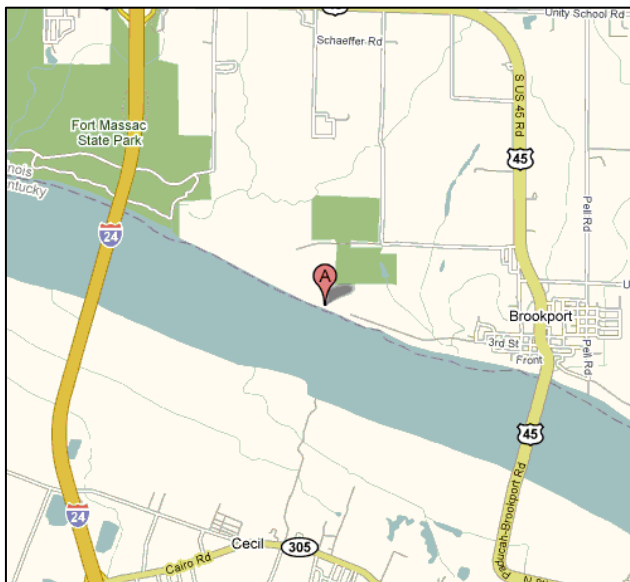
LOCATION: In Massac County, 2.0 miles upstream from Interstate 24 Highway Bridge, 1.5 miles downstream from Irvin Cobb Highway Bridge at river mile 939.

SE 1/4, Sec. 14, Twp. 16S, Rng. 5E

37°07'59"N, 88°39'00"W NAD83

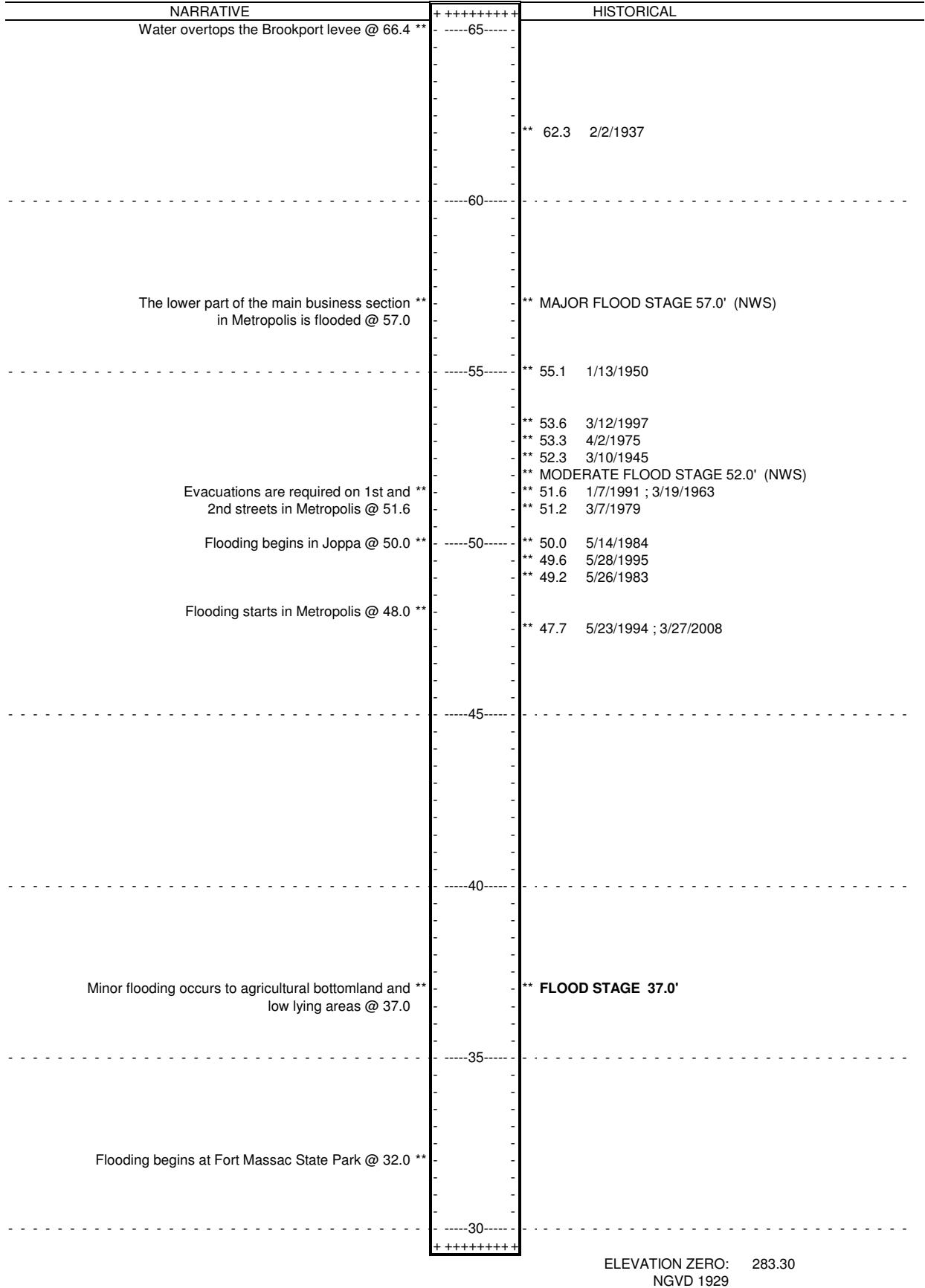
Drainage Area = 202,800 mi²

* Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Louisville District.



STAGE

Ohio River
Brookport TW



OHIO RIVER AT CAIRO, ILLINOIS

USGS GAGE NUMBER: NONE*

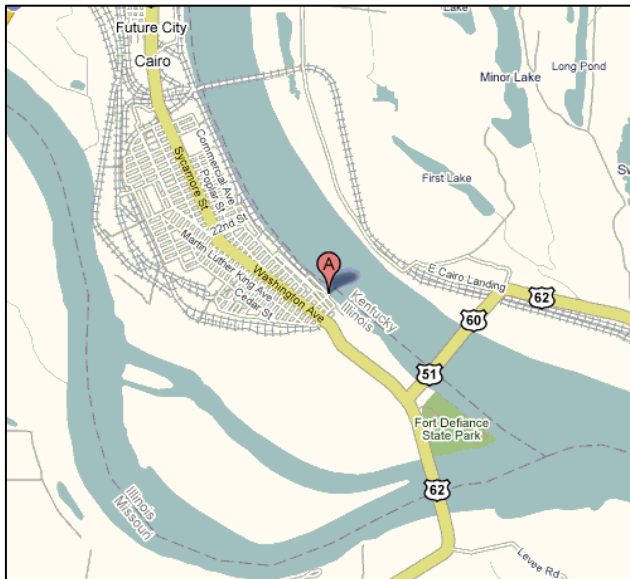
LOCATION: In Alexander County, near Fourth Street in Cairo, and at river mile 979.5.

SE 1/4, Sec. 25, Twp. 17S, Rng. 1W

37°00'00"N, 89°09'43"W NAD83

Drainage Area = 203,940 mi²

* Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Memphis District.



STAGE

Ohio River
Cairo, IL
CIRI2

| NARRATIVE | STAGE | HISTORICAL |
|--|--------------------------|---|
| Top of protection for Mounds - Mounds City @ 65.0 **
Top of protection for Cairo @ 64.0 ** | ++++++++
-----65----- | |
| Birds Point-New Madrid floodway preparations **
complete, awaiting final authorization to breach @ 60.0 | -----60----- | ** 59.51 2/3/1937 |
| At a stage of 56.0 and forecasted to reach 60.0, forces **
mobilized to use Birds Point-New Madrid floodway in MO | | ** 56.5 4/3/1975
** 56.4 4/20/1927
** 56.21 3/11/1997
** 55.9 2/15/1950
** 55.67 4/1/1973 ; 5/28/1995 |
| Kentucky closes Cairo Bridge(US 51&60) @ 54.7' ** | -----55----- | ** 54.95 5/19/2002
** 54.7 4/4/1913 ; 54.6 4/18/1979
** 54.2 4/17/1994 ; 54.0 5/16/1984
** 53.89 3/25/2008
** MAJOR FLOOD STAGE 53.0' (NWS) |
| Flooding begins to residences in Cache @ 51.0 ** | | |
| The first gate is closed at Cairo @ 50.0 ** | -----50----- | ** 48.77 4/10/1993

** MODERATE FLOOD STAGE 47.0' (NWS)
** 46.52 2/25/1989

** 45.47 6/07/2004 |
| Water backs up Cache River and begins flooding **
low lying areas near Horseshoe Lake @ 40.0 | -----40----- | ** FLOOD STAGE 40.0' |
| Pumping begins in Cairo to handle water **
seeping through levee @ 32.0 | -----30----- | |
| | ++++++++ | ELEVATION ZERO: 270.47
Ohio River Datum |

PECATONICA RIVER AT MARTINTOWN, WISCONSIN

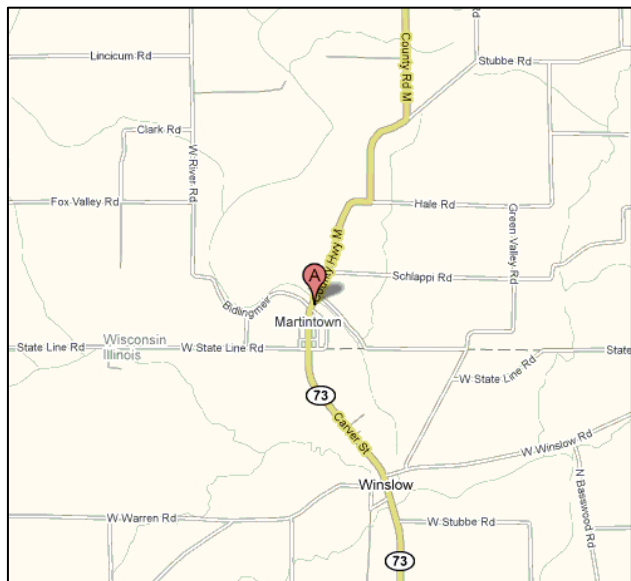
USGS GAGE NUMBER: 05434500

LOCATION: In Green County, Wisconsin, on the right bank 8 ft. downstream from the highway bridge in Martintown, 0.4 miles upstream from Wisconsin-Illinois State line, and 8.7 miles downstream from Skinner Creek.

SE 1/4, Sec. 32, Twp. 1N, Rng. 6E

42°30'36"N, 89°48'05"W NAD27

Drainage Area = 1,034 mi²



STAGE

Pecatonia River
Martintown, WI

| NARRATIVE | STAGE | HISTORICAL |
|--|-------|-------------------------------------|
| | 23 | |
| | | ** 21.46 7/1/1969 |
| | 21 | ** MAJOR FLOOD STAGE 21.0' (NWS) |
| | | ** 20.98 7/1/1990 ; 20.80 3/27/1916 |
| Evacuations in Winslow @ 20.6 ** | | ** 20.57 3/24/1975 |
| | | ** 20.36 7/8/1993 |
| Winslow water supply building threatened @ 20.2 ** | | ** 20.24 2/29/1948 ; 20.23 4/3/1959 |
| 5700 acres inundated @ 20.0 ** | | ** 19.94 3/4/1965 |
| | | ** 19.55 4/1/1960 |
| | 19 | ** 19.09 2/23/1997 |
| | | ** 18.79 2/25/1985 |
| | | ** MODERATE FLOOD STAGE 18.0' (NWS) |
| Main Street in Winslow begins to flood @ 17.4 ** | | |
| | 17 | |
| | | ** 16.13 7/20/1996 |
| | | ** 15.86 3/23/1979 |
| | 15 | |
| | | ** FLOOD STAGE 13.5' |
| | 13 | |
| | | |
| | | |
| | | |
| Minor lowland flooding @ 11.0 ** | 11 | |
| | | |
| | 9 | |

ELEVATION ZERO: 757.83
NGVD 1929

PECATONICA RIVER AT FREEPORT, ILLINOIS

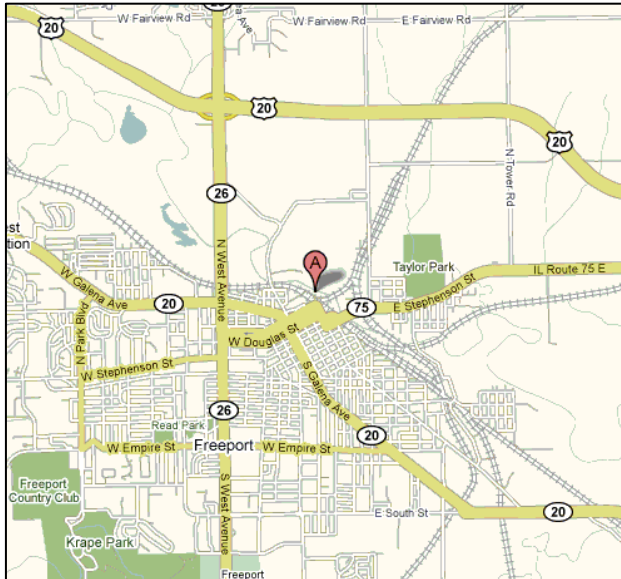
USGS GAGE NUMBER: 05435500

LOCATION: In Stephenson County, on the right bank on property of Commonwealth Edison Company in Freeport, 0.3 mile upstream from Stephenson Street Bridge, 5 miles upstream from Yellow Creek, and at river mile 61.9.

SE 1/4, Sec. 30, Twp. 27N, Rng. 8E

42°18'10"N, 89°37'10"W NAD27

Drainage Area = 1,326 mi²



PECATONICA RIVER AT SHIRLAND, ILLINOIS

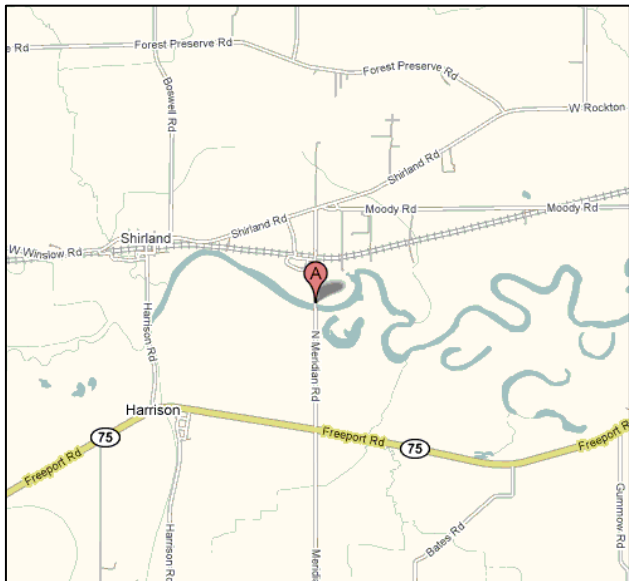
USGS GAGE NUMBER: 05437050

LOCATION: In Winnebago County, on the left bank on the upstream side of bridge, next to the Rivers Edge Campsite, 1.5 mi downstream from Sugar Creek, 7 mi upstream from confluence with Rock River, and at river mile 7.1.

SW 1/4, Sec. 12, Twp. 28N, Rng. 11E

42°26'17"N, 89°10'30"W NAD83

Drainage Area = 2,556 mi²



ROCK RIVER AT ROCKTON, ILLINOIS

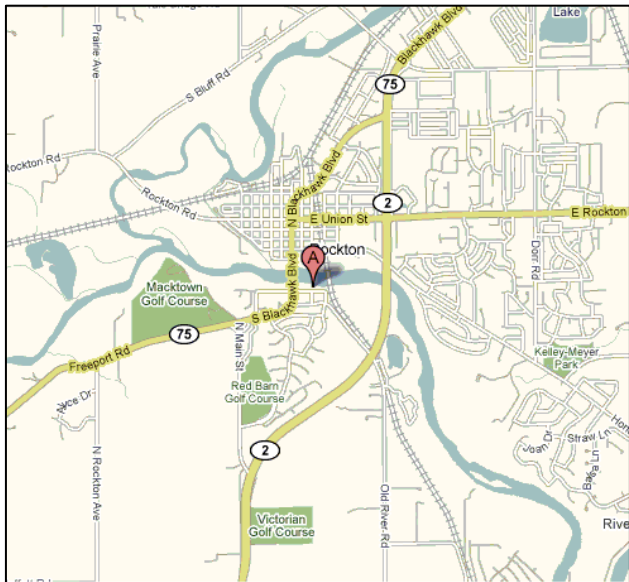
USGS GAGE NUMBER: 05437500

LOCATION: In Rockton, Winnebago County, on the right bank, 750 feet downstream from State Highway 75, 1.0 mile downstream from Pecatonica River, and at river mile 156.1.

NE 1/4, Sec. 24, Twp. 46N, Rng. 1E

42°26'55"N, 89°04'11"W NAD27

Drainage Area = 6,363 mi²



STAGE

Rock River
Rockton, IL
ROKI2

| NARRATIVE | STAGE | HISTORICAL |
|---|--------------|--------------------------------------|
| | -----16----- | |
| | | ** 15.54 3/25/1975 |
| | -----15----- | |
| | | ** 14.72 6/17/2008 |
| | | ** 14.6 2/37 (ice jam) |
| | -----14----- | |
| Praire Hill Road closed, 75% of Settlers Park in Rockton is flooded @ 14.0 ** | | ** 14.08 4/4/1959 ; 3/22/1904 |
| | | ** MAJOR FLOOD STAGE 14.0' (NWS) |
| | | ** 13.82 3/20/1948 |
| Old River Road inundated west of Roscoe Bridge @ 13.5 ** | | ** 13.49 4/2/1960 |
| | | ** 13.4 4/22/1973 |
| | -----13----- | |
| | | ** 12.88 3/16/1943 ; 12.84 4/21/1993 |
| | | ** 12.75 4/2/1979 |
| | | ** 12.63 6/14/2000 |
| | -----12----- | |
| Water begins to flow over low lying roads along the river and flood Settlers Park in Roscoe @ 12.0 ** | | ** 12.05 2/4/1988 |
| | | ** 11.79 2/24/1997 |
| | -----11----- | |
| Flooding begins to residences in the Riverdale area @ 11.5 ** | | ** 11.49 7/20/1996 |
| | | ** 11.09 6/03/2004 |
| | | ** MODERATE FLOOD STAGE 11.0' (NWS) |
| | -----10----- | |
| Water begins to flow over prtions of Edgemere Terrace in the Riverdale area near Roscoe @ 10.5 ** | | ** 10.37 2/21/1994 |
| | | ** FLOOD STAGE 10.0' |
| | -----9----- | |

ELEVATION ZERO: 707.94
NGVD 1929

ROCK RIVER AT LATHAM PARK, ILLINOIS

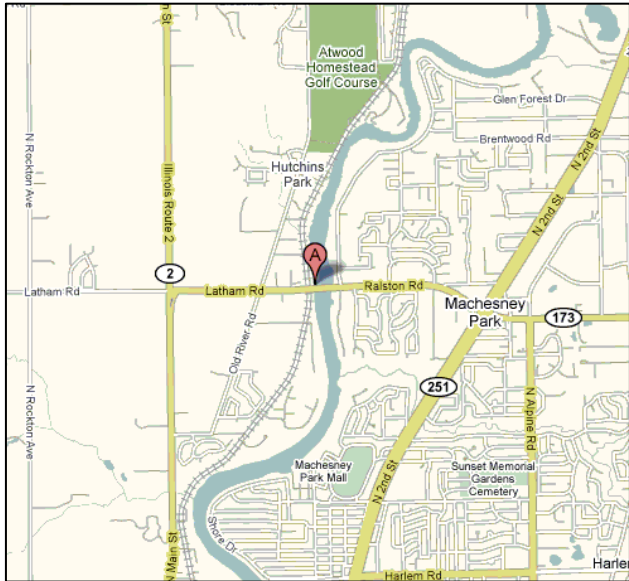
USGS GAGE NUMBER: 05437610

LOCATION: In Winnebago County, at the bridge on Latham Park Road, 1.1 miles upstream from Willow Creek, 3.1 miles downstream from McDonald Creek, 9 miles upstream of Rockford dam, and at river mile 146.1.

SW 1/4, Sec. 18, T. 45N, R. 2E

42°22'08"N, 89°03'31"W NAD83

Drainage Area = 6,476 mi²



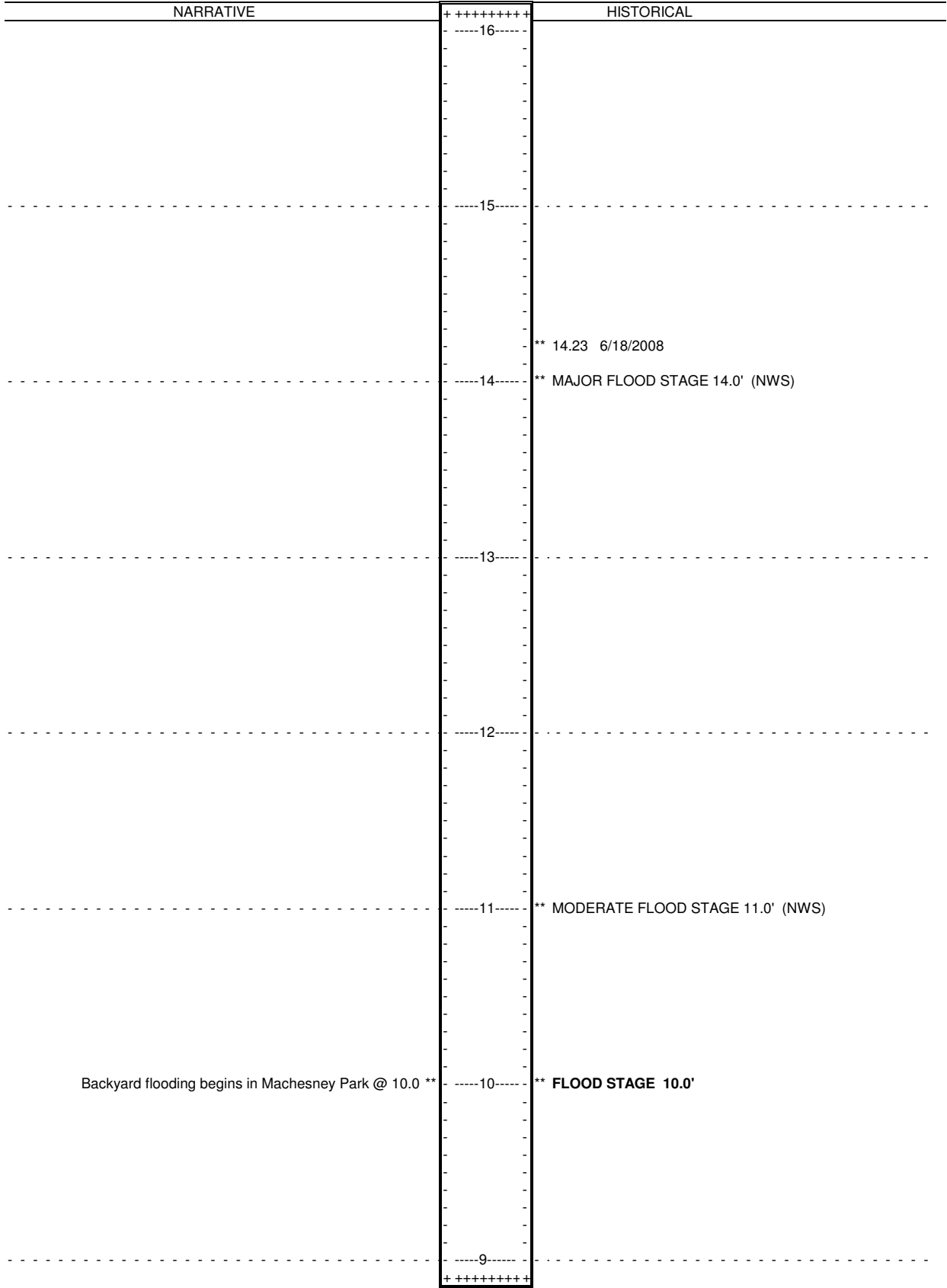
2008 Flood Information

Machesney Park was hit by two flood events in 2008. Ice jam flooding occurred in January and then heavy rainfall in early June caused high river levels.

Over 600 homes in Machesney Park and Winnebago County were affected by the June flooding event. Of the 600 affected, 228 homes were damaged by the flood waters with 31 of the homes being substantially damaged. Approximately 140 families had to evacuate during the flood.

STAGE

Rock River
Latham Park, IL



NARRATIVE

HISTORICAL

+++++++

16

15

14

13

12

11

10

9

+++++++

Backyard flooding begins in Machesney Park @ 10.0 **

** 14.23 6/18/2008

** MAJOR FLOOD STAGE 14.0' (NWS)

** MODERATE FLOOD STAGE 11.0' (NWS)

** FLOOD STAGE 10.0'

ELEVATION ZERO: 700.00
NGVD 1929

ROCK RIVER AT ROCKFORD, ILLINOIS AT AUBURN ST

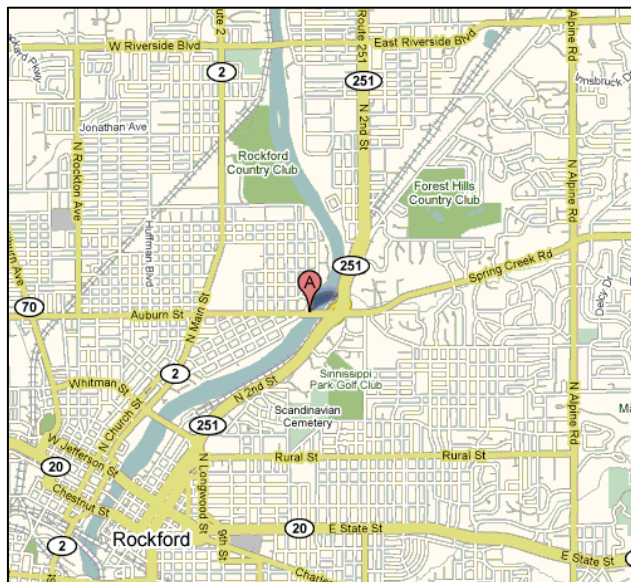
USGS GAGE NUMBER: 05437641

LOCATION: In Winnebago County, at the bridge on Auburn St., 700 ft. downstream from Spring Creek, 2.25 mi upstream of Rockford dam, and at river mile 139.0.

SW 1/4, Sec. 13, T. 44N, R. 1E

42°17'20"N, 89°03'55"W NAD83

Drainage Area = 6,528 mi²

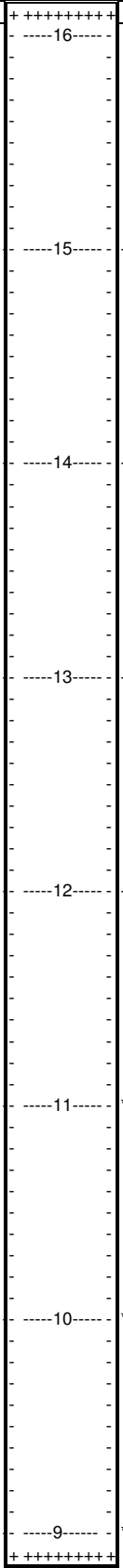


STAGE

Rock River
Rockford, IL

NARRATIVE

HISTORICAL



** MAJOR FLOOD STAGE 11.0' (NWS)

** MODERATE FLOOD STAGE 10.0' (NWS)

** FLOOD STAGE 9.0'

ELEVATION ZERO: 700.00
NGVD 1929

ROCK RIVER AT BYRON, ILLINOIS

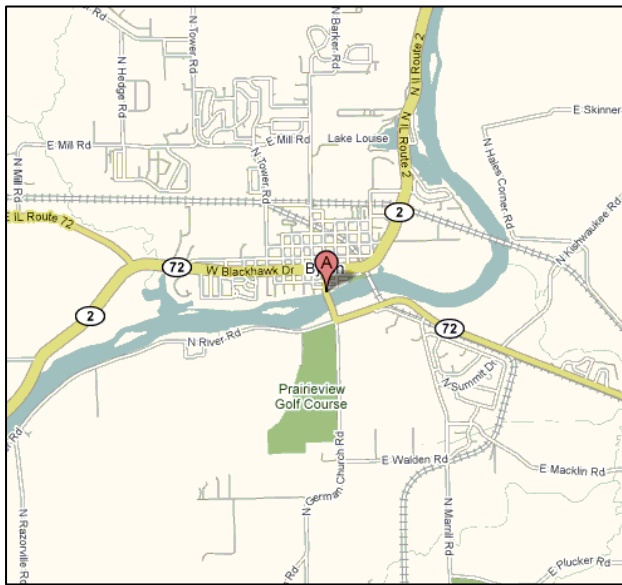
USGS GAGE NUMBER: 05440700

LOCATION: In Ogle County, at the bridge on State Highway 72, 0.3 miles south of Byron, 1.2 miles upstream from Mill Creek, 1.3 miles downstream from Stillman Creek, and at river mile 120.3.

NW 1/4, Sec. 32, T. 25N, R. 11E

42°07'23"N, 89°15'21"W NAD27

Drainage Area = 7,990 mi²



ROCK RIVER AT DIXON, ILLINOIS

USGS GAGE NUMBER: NONE*

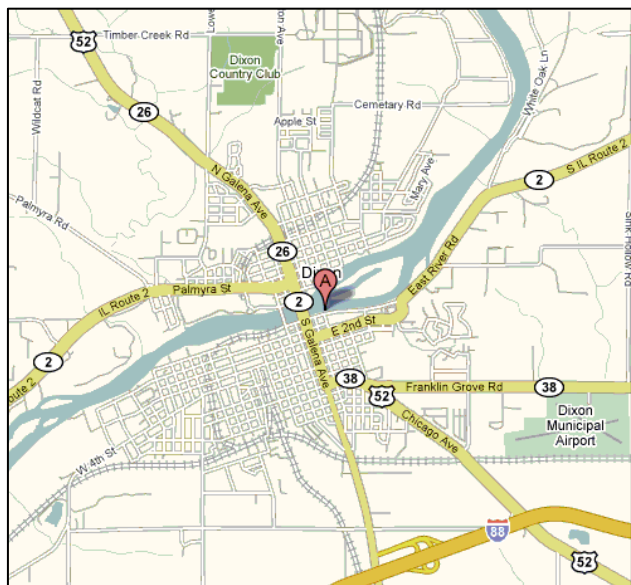
LOCATION: In Lee County, on left bank in forebay of Commonwealth Edison power station, upstream of Illinois Route 26 bridge, and at mile 87.3.

SE 1/4, Sec. 32, Twp. 22N, Rng. 9E

41°50'44"N, 89°28'50"W

Drainage Area = 8,614 mi²

*Data regarding flood stages are based upon a gage operated by the IDNR/Office of Water Resources at this station.



STAGE

Rock River
Dixon, IL

| NARRATIVE | STAGE | HISTORICAL |
|--|--------------|---|
| | -----15----- | ** Estimated 1973 |
| | -----14----- | |
| | -----13----- | ** MAJOR FLOOD STAGE 13.0' (NWS)
** 12.9 7/2/1996
** 12.7 5/30/1996
** MODERATE FLOOD STAGE 12.5' (NWS)
** 12.34 6/5/2000 |
| Floodwater affects basement of Dixon High School @ 12.0 | -----12----- | ** FLOOD STAGE 12.0'
** 11.81 6/5/2002
** 11.6 3/21/1979 ; 3/24/1993 |
| | -----11----- | ** 10.7 7/4/1978
** 10.64 6/16/2008 ; 10.6 3/26/1975 |
| Page Drive closed along River, road flooding in Lowell Park and on Riverside Drive in White Oaks. Colony Rd flooded @ 10.6
Water flows over N Canal Rd in Woodland Shores. Flooding of West First St, and backyards at Sherman Ave and River St in Dixon @ 10.4 | -----10----- | ** 10.05 6/01/2004 |
| Water covers the south road at the band shell on Page Dr @ 9.7 | -----9----- | |
| Water inundates portions of Page Park mobile home park approx. 5 miles downstream. Flooding begins in Woodland Shores subdivision @ 9.0
Water approaches road at band shell on Page Dr @ 8.7 | -----8----- | |

ELEVATION ZERO: 640.39
NGVD 1929

ROCK RIVER ABOVE SINNISSIPPI DAM AT ROCK FALLS, ILLINOIS

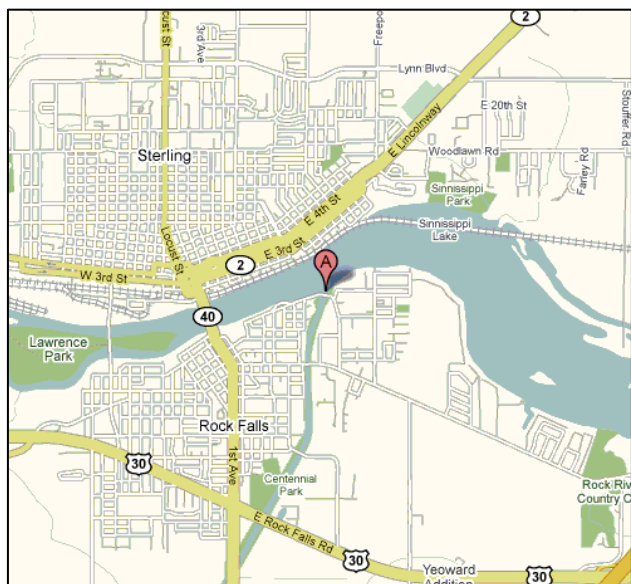
USGS GAGE NUMBER: 05443000

LOCATION: In Whiteside County, on the concrete wall at the entrance of the Hennepin Feeder Canal, 300 ft upstream of the Upper Rock Falls Dam, and at river mile 73.6.

SE 1/4, Sec. 22, Twp. 21N, Rng. 7E

41°47'15"N, 89°40'35"W NAD83

Drainage Area = 8,740 mi²

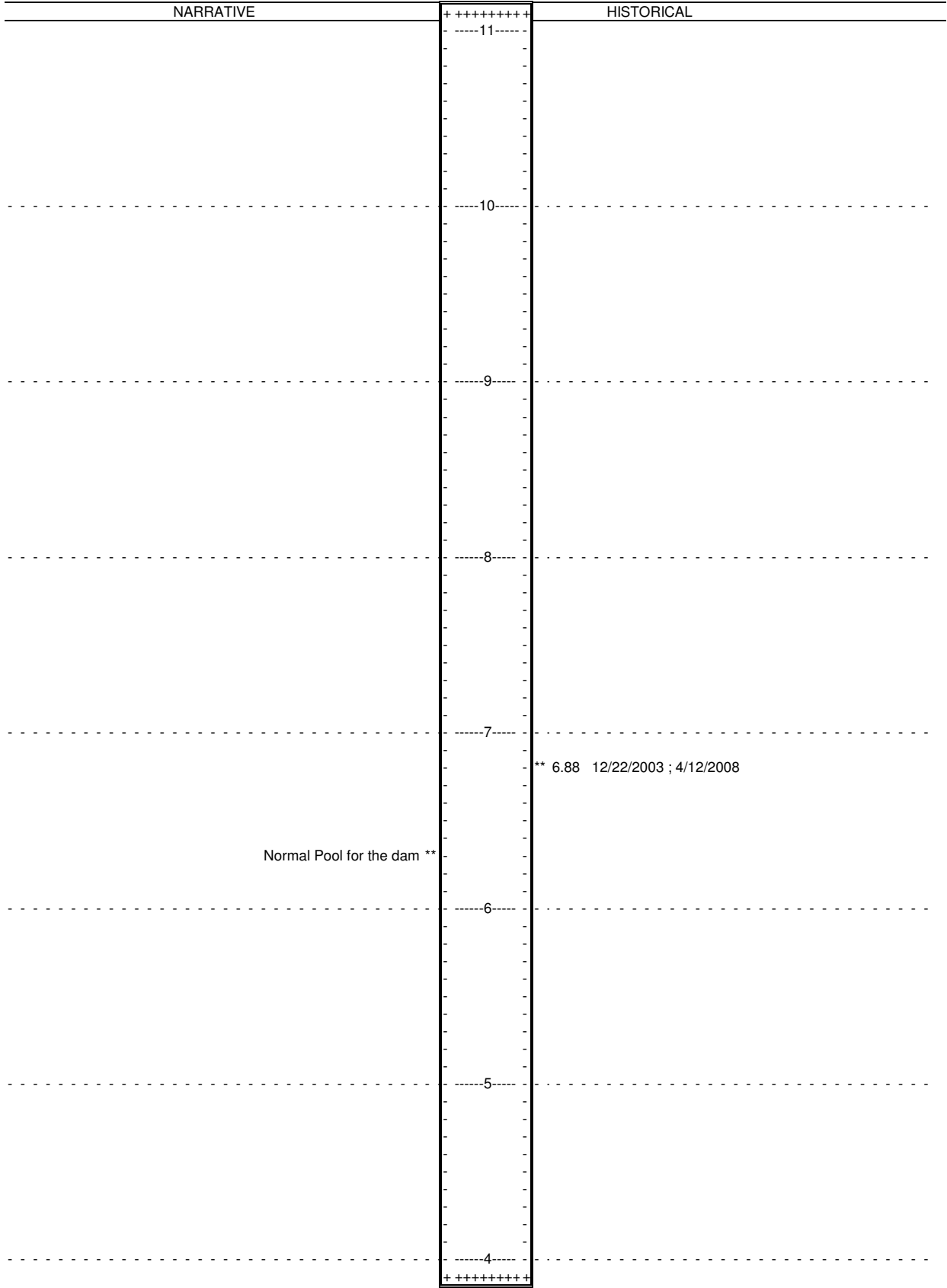


STAGE

Rock River
Sinnissippi Dam
Rock Falls, IL

NARRATIVE

HISTORICAL



ELEVATION ZERO: 630.00
NGVD 1929

::

ROCK RIVER AT COMO, ILLINOIS

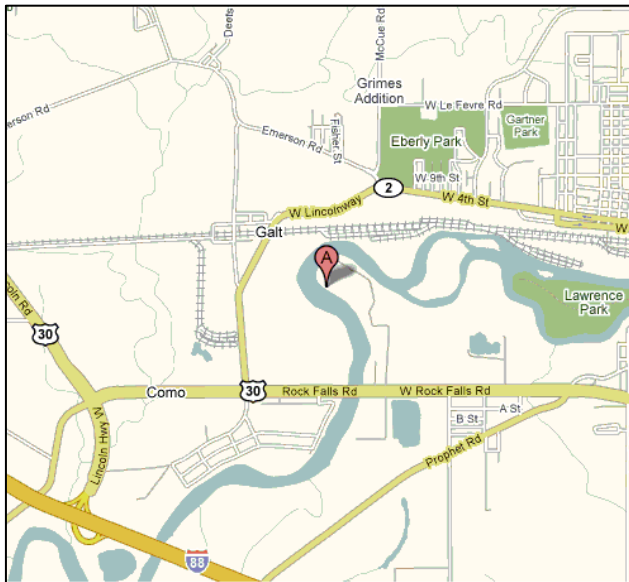
USGS GAGE NUMBER: 05443500

LOCATION: In Whiteside County, on the left bank, 1 mile upstream from Como, 3 miles downstream from Rock Falls, 3.5 miles upstream from Elkhorn Creek, and at river mile 69.2.

NE 1/4, Sec. 25, Twp. 21N, Rng. 6E

41°46'58"N, 89°44'59"W NAD27

Drainage Area = 8,753 mi²

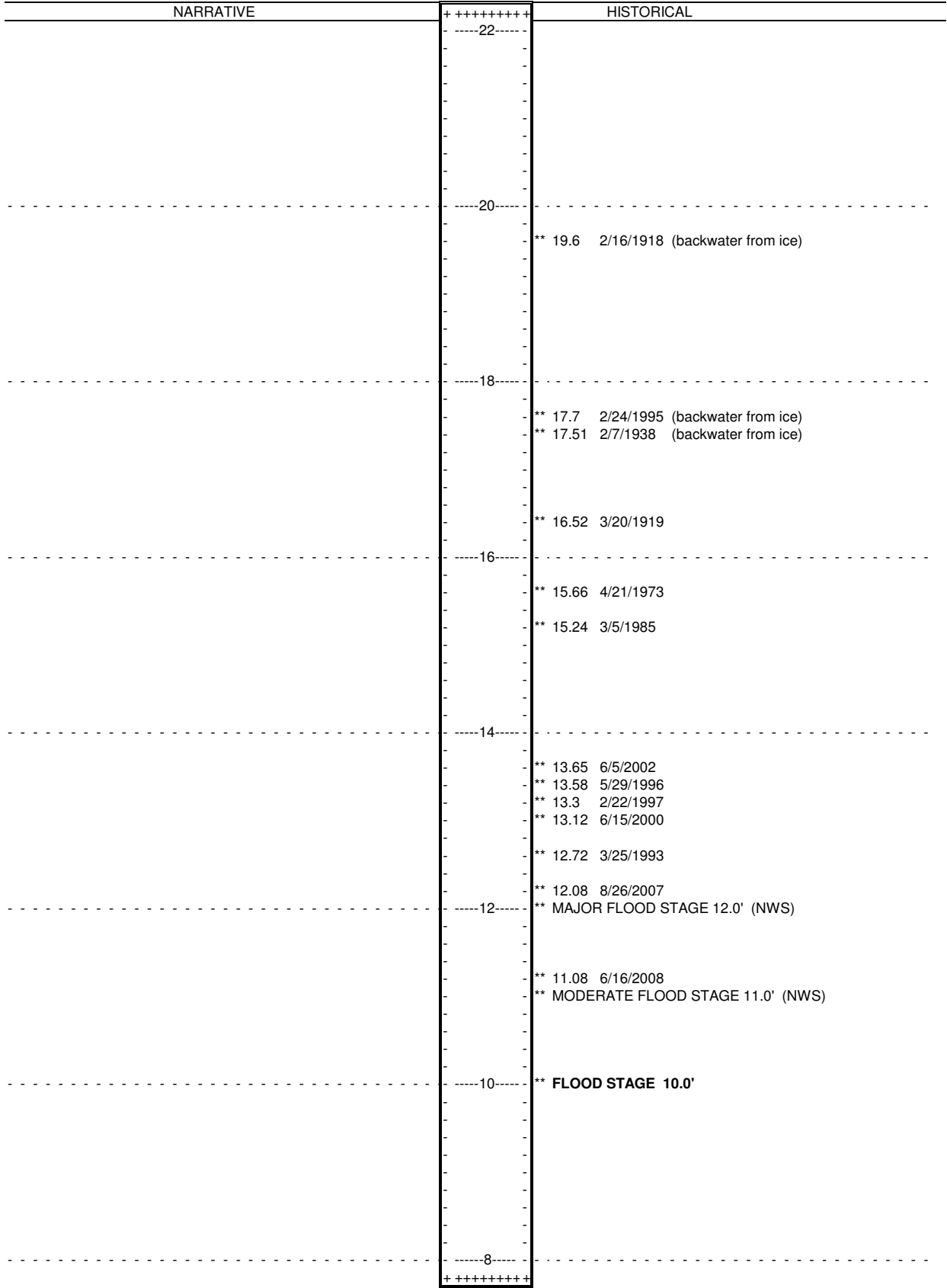


STAGE

Rock River
Como, IL
CMO12

NARRATIVE

HISTORICAL



ELEVATION ZERO: 606.83
NGVD 1929

::

ROCK RIVER NEAR JOSLIN, ILLINOIS

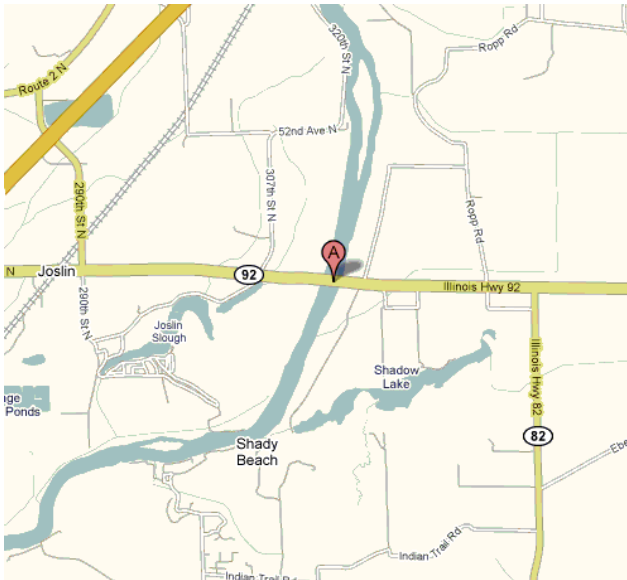
USGS GAGE NUMBER: 05446500

LOCATION: In Rock Island County, near the center span on the downstream side of the bridge on State Highway 92, 1.8 miles east of Joslin, 14.5 miles downstream from Rock Creek, and at river mile 26.9.

NE 1/4, Sec. 18, Twp. 18N, Rng. 3E

41°33'22"N, 90°11'07"W NAD83

Drainage Area = 9,549 mi²



1993 FLOOD INFORMATION

Landuit's Lake Resort received damage to the rest room facilities and to 1 home and 2 mobile homes. Campers were moved to high ground.

STAGE

Rock River
Joslin, IL
JOSI2

| NARRATIVE | STAGE | HISTORICAL |
|--|---------------------------------------|--|
| Hillsdale, Erie and the IL Rte 92 bridge affected @ 21.0 ** | + + + + + + + + + + +
-----21----- | |
| Homes in Erie and the RR tracks east of town affected @ 20.0 ** | -----20----- | |
| Water affects Barstow Rd between Barstow & IL Rte 5 @ 19.2 ** | | ** 19.24 6/7/2002 |
| Water overtops Joslin Levee. Several Homes in Hillsdale on | -----19----- | |
| Docia St and road south of town, and in Osborn affected @ 19.0 | | |
| Main St in Hillsdale inundated @ 18.8 ** | | ** 18.88 2/23/1997 |
| Water on Docia St and road south of town in Hillsdale, Cleveland | | ** 18.73 5/31/1996 |
| aces cut-off, residential evacuations begin @ 18.6 ** | | |
| Water on Moline Road east of Erie and on River Rd @ 18.5 ** | | ** 18.55 6/16/2000 |
| Water affects Osborn Rd at Osborn @ 18.4 ** | | |
| Water affects the railroad tracks near Osborn @ 18.3 ** | | ** 18.35 3/26/1993 |
| Water overtops Zuma Creek levee near Barstow. A few homes | -----18----- | ** 18.01 2/22/1994 ; 18.02 2/24/2001 (ice jam) |
| Shady Beach are affected. Hillsdale begins sandbagging @ 18.0 ** | | |
| Water overtops the Osborn levee @ 17.9 ** | | ** 17.81 3/22/1979 |
| BNRR tracks south of Prophetstown overtopped @ 17.7 ** | | ** 17.74 4/23/1973 |
| | | ** 17.69 2/23/1971 (backwater) |
| Water is across Broadway at Jackson Street in Cleveland. ** | | |
| Joslin levee affected and Barstow threatened @ 17.5 | | ** 17.31 6/6/2008 ; 17.36 3/6/2008 |
| | | 17.24 8/28/2007 |
| | | ** 17.18 5/18/1974 |
| In Cleveland a few homes and the lowest sections of ** | -----17----- | ** 16.64 3/3/1985 |
| Broadway and Main St are affected. Flood damage | | ** MAJOR FLOOD STAGE 16.5' (NWS) |
| begins to the Hillsdale Water Supply @ 16.5 | | |
| Water affects homes in Osborn and Water affects much of ** | -----16----- | ** 16.0 7/6/1978 |
| Barstow Road between Barstow and Osborn @ 16.0 | | ** 15.95 3/28/1975 |
| Water inundates Barstow Rd east of Osborn under I-88 @ 15.5 ** | | ** 15.37 7/1/1990 |
| Water affects residences in the Thompson addition @ 15.0 ** | -----15----- | ** 15.18 4/5/1983 |
| | | ** 15.04 6/03/2004 |
| | | ** 14.46 3/22/1948 |
| IL Rte 2 flooded. Water affects residences in outlying | -----14----- | ** MODERATE FLOOD STAGE 14.0' (NWS) |
| areas along the river including basements, yards, | | ** 13.76 3/13/86 |
| driveways, and access roads @ 14.0 | | |
| Water on Barstow Rd between Barstow and Osborn @ 13.7 ** | | |
| Flooding of unprotected agricultural land. Water ** | -----13----- | |
| affects Lundeen's Landing Campground @ 13.0 | | |
| Summer cottages along river damaged @ 12.5 ** | -----12----- | ** FLOOD STAGE 12.0' |
| | + + + + + + + + + + + | |

ELEVATION ZERO: 564.06
NGVD 1929

ROCK RIVER AT MOLINE, ILLINOIS

USGS GAGE NUMBER: NONE*

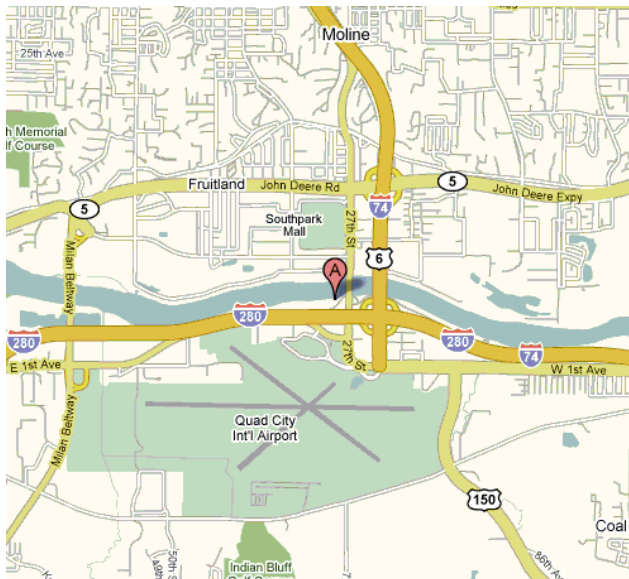
LOCATION: In Rock Island County, 400 feet downstream from the U.S. Highway 150 Bridge, 0.3 mile downstream from the Interstate 74 Bridge, and river mile 7.2.

SW 1/4, Sec. 16, Twp. 17N, Rng. 1W

41°27'41"N, 90°30'22"W

Drainage Area = 10,819 mi²
10,751 mi² COE

*Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



2008 FLOOD INFORMATION

An ice jam flood in March set a new stage record, and caused significant flooding to homes along the river.

STAGE

Rock River
Moline, IL
MLI12

| NARRATIVE | STAGE | HISTORICAL |
|---|-------------------------------------|---|
| Sears Dam is underwater @ 17.5 ** | + + + + + + + + + +
-----17----- | |
| | | <p>** 16.38 3/6/2008 (ice jam)</p> <p>** 16.15 4/26/1973</p> |
| | -----16----- | |
| <p>Water affects the intersection of US Rte 150 & US Rte 6. **</p> <p>Steel Dam is underwater @ 15.5</p> | | <p>** 15.79 6/7/2002</p> <p>** 15.7 5/21/1974</p> |
| <p>120 trailers are inundated. Water affects the lowest streets on Vandruff Island @ 15.2</p> | | <p>** 15.31 2/24/1997</p> <p>** 15.25 5/31/1996 ; 15.2 2/24/1971</p> <p>** 15.1 3/24/1979</p> |
| <p>Water affects business parking lots on 52nd Ave in Moline, and most homes along North and South Shore Drives @ 15.0</p> | -----15----- | <p>** 15.01 6/17/2000</p> <p>** 14.93 6/12/1993</p> |
| | | <p>** 14.71 2/23/1994</p> <p>** 14.5 3/26/1993</p> |
| <p>Water surrounds 120 trailers @ 14.2' **</p> <p>Water affects North and South Shore Drives in Moline west of the 27th St bridge. Access is limited to homes on South Shore Drive east of I-74 bridge @ 14.0</p> <p>Water affects 49th Ave in Moline @ 13.8 **</p> | -----14----- | <p>** 14.1 12/16/1986</p> <p>** MAJOR FLOOD STAGE 14.0' (NWS)</p> |
| <p>Water affects 60th St south of John Deere Rd in Moline and Green Valley Park. Water is on Canal Rd on Big Island @ 13.5</p> | | |
| <p>Access to trailer park at I-74 and John Deere Rd limited. Smiths Island floods @ 13.2</p> <p>Water affects homes on South Shore Drive in Moline and cuts off access to homes east of the I-74 . Water affects Vandruffs Island in Rock Island and 7th Street in Coal Valley @ 13.0</p> | -----13----- | <p>** 13.04 6/04/2005</p> <p>** MODERATE FLOOD STAGE 13.0' (NWS)</p> |
| <p>Water affects residences in the Friendship Farm area @ 12.5 **</p> | | |
| <p>Water affects residences near the 27th St bridge @ 12.0 **</p> | -----12----- | <p>** FLOOD STAGE 12.0'</p> |
| <p>Agricultural land upstream of Moline affected @ 11.0 **</p> | -----11----- | |
| | | |
| | -----10----- | |
| + + + + + + + + + + | + + + + + + + + + + | |

ELEVATION ZERO: 551.34
NGVD 1929

SALT CREEK AT ROLLING MEADOWS, ILLINOIS

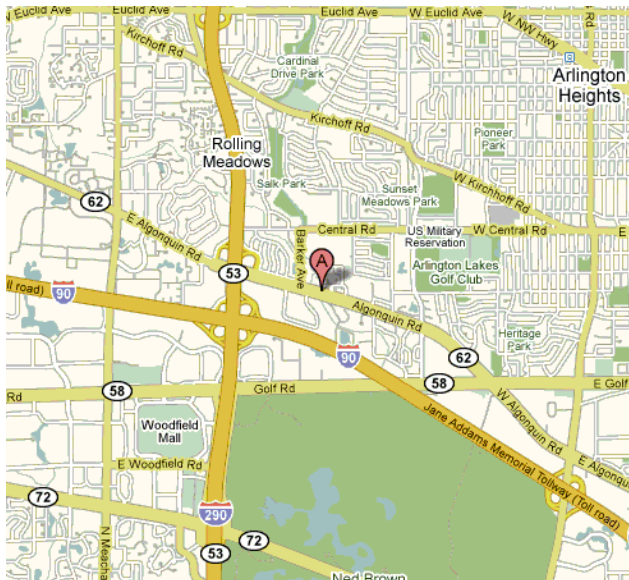
USGS GAGE NUMBER: 05530990

LOCATION: In Cook County, on the left bank at the upstream side of bridge on Algonquin Road in Rolling Meadows, 0.25 miles downstream from Arlington Heights Branch of Salt Creek, and at river mile 35.6.

NW 1/4, Sec. 8, Twp. 41N, Rng. 11E

42°03'38"N, 88°01'00"W NAD83

Drainage Area = 30.5 mi²



STAGE

Salt Creek
Rolling Meadows, IL
ROLI2

NARRATIVE

HISTORICAL



-----15-----

-----14-----

-----13-----

-----12-----

-----11-----

-----10-----

-----9-----

-----8-----

** 14.03 8/14/1987

** 13.12 9/13/2008

** 12.56 12/3/1982

** 11.54 8/4/1989

** 11.2 11/19/1985

** 10.88 10/13/2001

** 10.82 4/8/1975

** 10.63 8/21/1990

** 10.52 3/4/1976 ; 10.57 8/23/2007

** 10.09 2/21/1997

Flood Damage begins to apartments just downstream of Algonquin Rd. and to residences between Central and Algonquin Roads @ 10.0

Flood Damage begins to Central Road School at Central Road and East Frontage Road @ 8.5

** FLOOD STAGE 8.5'

ELEVATION ZERO: 686.40
NGVD 1929

SALT CREEK AT ELMHURST, ILLINOIS

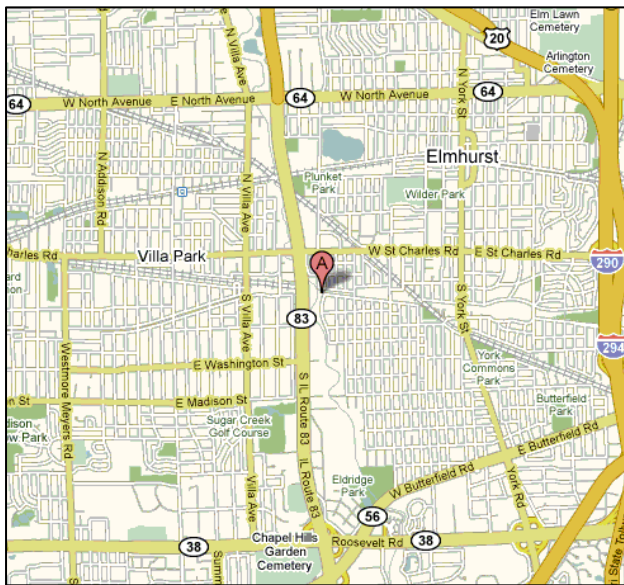
USGS GAGE NUMBER: 05531300

LOCATION: In Du Page County, on the left bank at the upstream side of the Illinois Prairie Path Bikeway bridge in Elmhurst, and at river mile 20.1.

NE 1/4, Sec. 10, Twp. 39N, Rng. 11E

41°53'10"N, 87°57'33"W NAD27

Drainage Area = 91.5 mi²



STAGE

Salt Creek
Elmhurst, IL

| NARRATIVE | STAGE | HISTORICAL |
|-----------|-------|---|
| | 17 | |
| | 16 | |
| | 15 | |
| | 14 | |
| | 13 | ** 13.56 8/6/1989
** 13.37 8/21/1990
** 13.26 9/14/2008
** 13.17 6/25/1994 |
| | 12 | ** 12.8 4/28/1995
** 12.62 11/7/1990

** 12.10 5/29/1996 |
| | 11 | |
| | 10 | ** 10.02 6/01/2004 |

ELEVATION ZERO: 651.93
NGVD 1929

SALT CREEK AT WESTERN SPRINGS, ILLINOIS

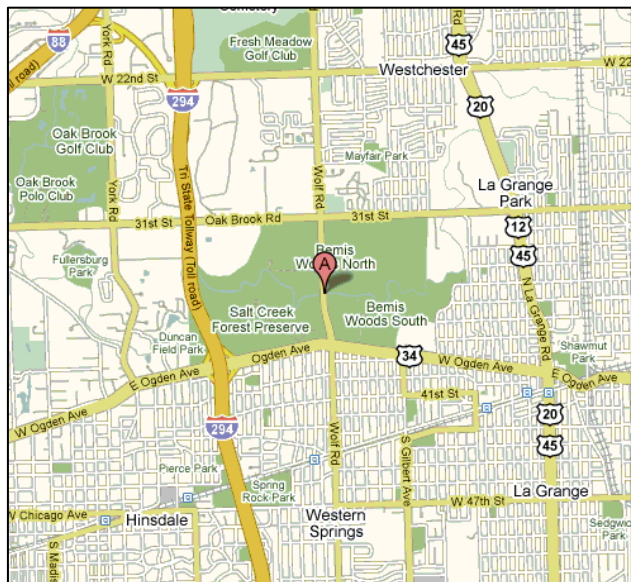
USGS GAGE NUMBER: 05531500

LOCATION: In Cook County, on the left bank at the upstream side of the bridge on Wolf Road, in Cook County Forest Preserve, 0.5 mile north of Western Springs, and at river mile 8.8.

SE 1/4, Sec. 31, Twp. 39N, Rng. 12E

41°49'33"N, 87°54'01"W NAD83

Drainage Area = 115 mi²



STAGE

Salt Creek
Western Springs, IL

| NARRATIVE | STAGE | HISTORICAL |
|-----------|-------|---|
| | 11 | |
| | | ** 10.54 8/17/1987 |
| | 10 | ** 9.94 9/14/2008 |
| | | ** 9.35 2/21/1997 |
| | 9 | ** 8.94 5/10/1990 ; 10/3/2006
** 8.81 10/14/2001
** 8.71 12/5/1982
** 8.55 8/28/1972
** 8.29 11/28/1990
** 8.11 5/28-29/1996 |
| | 8 | |
| | | ** 7.14 8/28/2004 |
| | 7 | |
| | 6 | |
| | 5 | |
| | 4 | |

ELEVATION ZERO: 624.93
NGVD 1929

SALT CREEK AT BROOKFIELD, ILLINOIS

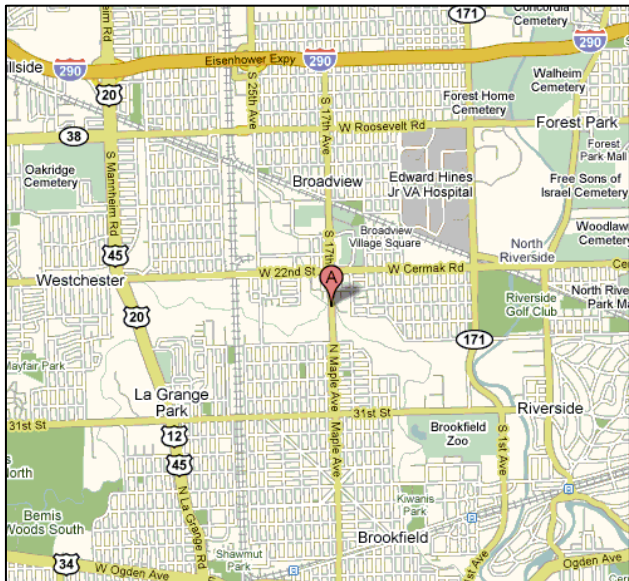
USGS GAGE NUMBER: 05532300

LOCATION: In Cook County, on the left bank at the upstream side of the bridge on Maple Avenue in Brookfield, 300 feet downstream from Addison Creek, 1.0 mile upstream from the diversion to the Des Plaines River, and at river mile 3.5.

NE 1/4, Sec. 27, Twp. 39N, Rng. 12E

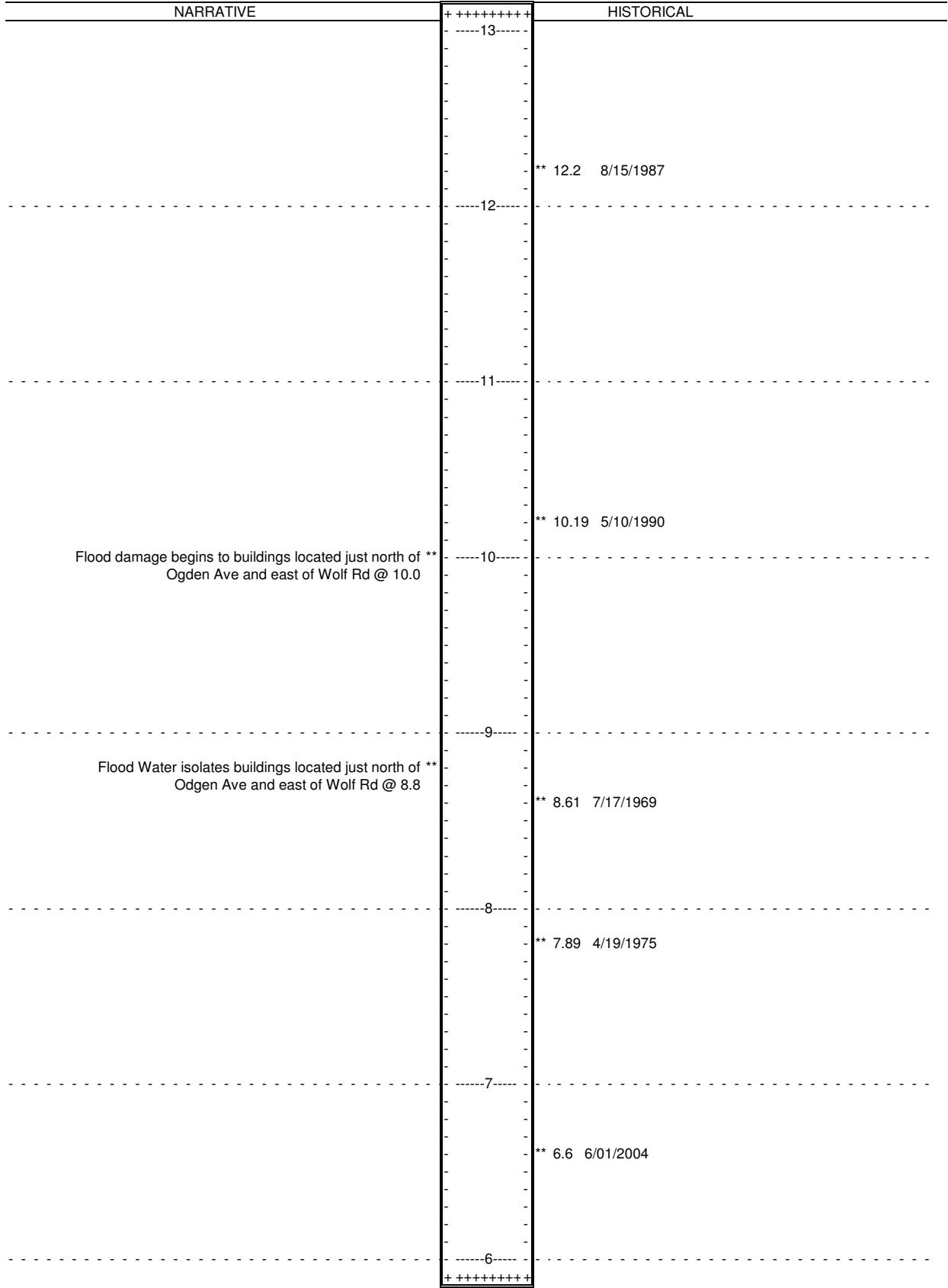
41°50'45"N, 87°51'09"W NAD83

Drainage Area = 146 mi²



STAGE

Salt Creek
Brookfield, IL



ELEVATION ZERO: 608.04
NGVD 1929

SALT CREEK NEAR GREENVIEW, ILLINOIS

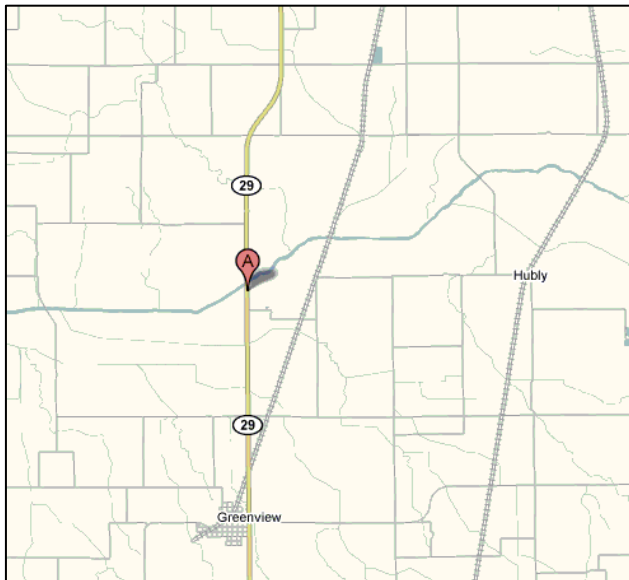
USGS GAGE NUMBER: 05582000

LOCATION: In Menard County, on the downstream side of the bridge on State Highway 29, 3.3 miles downstream from Pike Creek, 3.5 miles north of Greenview, and at river mile 4.9.

NE 1/4, Sec. 2, Twp. 19N, Rng. 6W

40°07'55"N, 89°44'08"W NAD27

Drainage Area = 1,804 mi²

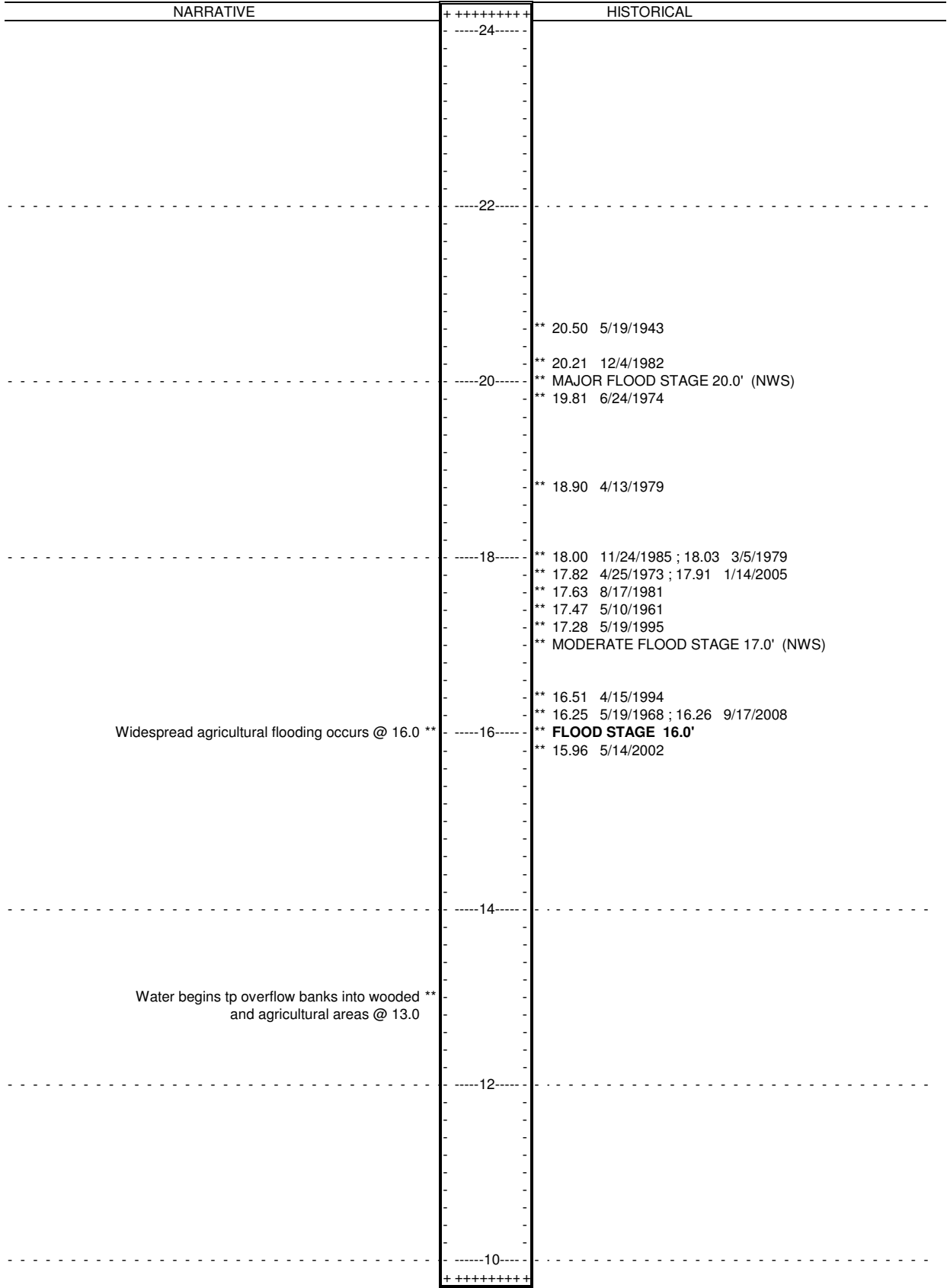


STAGE

Salt Creek
Greenview, IL
GREI2

NARRATIVE

HISTORICAL



ELEVATION ZERO: 479.00
NGVD 1929

SANGAMON RIVER AT MONTICELLO, ILLINOIS

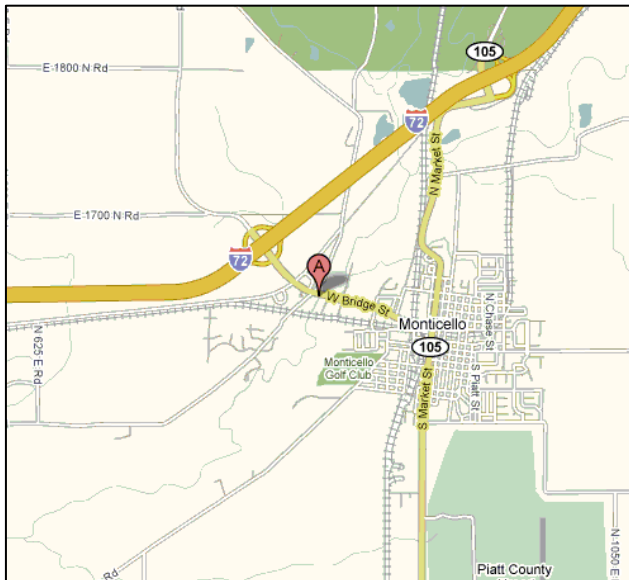
USGS GAGE NUMBER: 05572000

LOCATION: In Piatt County, on the right downstream side of the highway bridge, 0.5 mile west of Monticello, and at river mile 162.2.

SW 1/4, Sec. 12, Twp. 18N, Rng. 5E

40°01'51"N, 88°35'20"W NAD27

Drainage Area = 550 mi²



STAGE

Sangamon River
Monticello, IL
MNTI2

| NARRATIVE | STAGE | HISTORICAL |
|---|---------------------------------------|---------------------------------------|
| Flood Damage begins in Monticello @ 20.0 ** | + + + + + + + + + + +
-----20----- | ** MAJOR FLOOD STAGE 20.0' (NWS) |
| | -----19----- | ** 19.06 4/13/1994 |
| | | ** 18.78 6/4/2008 |
| | | ** 18.50 10/4/1926 ; 18.55 5/16/1968 |
| | -----18----- | ** 17.86 2/6/2008 |
| | | ** 17.71 12/31/1990 ; 17.77 1/15/2005 |
| | | ** 17.67 5/18/1943 |
| | | ** 17.31 11/21/1986 |
| | | ** 17.27 3/6/1979 |
| | -----17----- | ** MODERATE FLOOD STAGE 17.0' (NWS) |
| | | ** 16.76 8/22/1964 |
| | | ** 16.42 6/5/1980 |
| | | ** 16.06 5/17/1995 |
| | -----16----- | ** 15.98 2/25/1985 |
| | | ** 15.75 5/14/2002 |
| | -----15----- | ** 14.89 3/27/2004 |
| | -----14----- | |
| | -----13----- | ** FLOOD STAGE 13.0' |
| Flooding of agricultural areas begins @ 13.0 ** | + + + + + + + + + + + | |

ELEVATION ZERO: 625.89
NGVD 1929

STAGE

Sangamon River
Decatur Ill. Rte. 48
DEC12

NARRATIVE

HISTORICAL



** 24.6 3/7/1979 est.

** 24.33 5/12/2002 ; 24.35 9/14/2008

** 23.89 6/5/2008

** 23.04 5/2/1983

** 22.61 11/19/1985

** 21.87 12/30/1990

** 21.12 4/15/1994

** 20.96 1/13/2005

Flood damage to houses begins approximately 1 mile below
the dam, road to Decatur waterworks inundated @ 19.5

** 19.45 5/19/1995

** 19.36 5/8/1996

ELEVATION ZERO: 583.43
NGVD 1929

SANGAMON RIVER AT RIVERTON, ILLINOIS

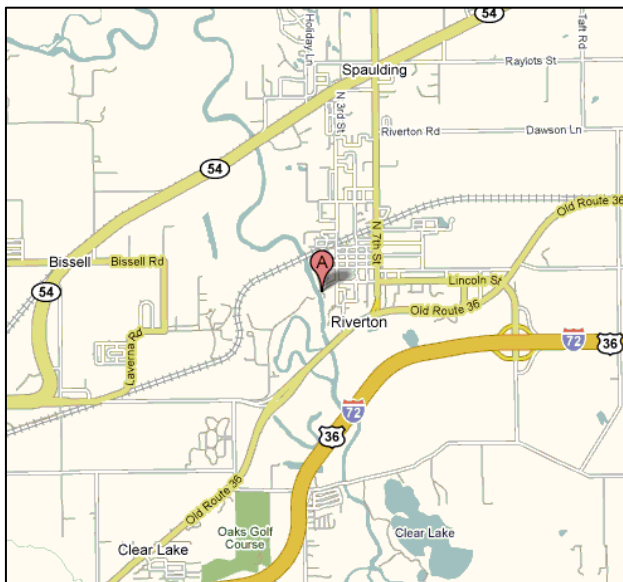
USGS GAGE NUMBER: 05576500

LOCATION: In Sangamon County, at the right abutment on the old U.S. Highway 36 bridge in Riverton, 2.2 miles downstream from Sugar Creek, 5.6 mile upstream from Fancy Creek, and at river mile 83.1.

NE 1/4, Sec. 16, Twp. 16N, Rng. 4W

39°50'35"N, 89°32'50"W NAD27

Drainage Area = 2,618 mi²



STAGE

Sangamon River
Riverton, IL
RVT12

| NARRATIVE | STAGE | HISTORICAL |
|--|--------------|-------------------------------------|
| | -----32----- | ** 32.04 10/4/1926 |
| | | ** 31.52 5/19/1943 |
| | -----30----- | ** 30.07 5/14/2002 |
| Rte 54 west of bridge overtopped @ 29.5 ** | | |
| Flood damage begins to residences in the Holiday Estates subdivisions in Spaulding @ 29.0 | | ** MAJOR FLOOD STAGE 29.0' (NWS) |
| Water begins to affect the sewage treatment plant in Riverton @ 28.5 | | ** 28.28 4/13/1994 |
| IL Rte 29 bridge north of Springfield floods. sandbagging begins in Holiday Estates @ 28.0 | -----28----- | ** 28.03 2/2/1916 |
| Bus. 55 at Riverside Park begins to flood @ 27.0 ** | | ** 26.97 6/8/2008 |
| West approach road to gage inundated ** | | ** 26.78 4/12/1979 |
| | -----26----- | ** MODERATE FLOOD STAGE 26.0' (NWS) |
| | | ** 25.65 5/10/1996 |
| | | ** 25.42 5/2/1983 |
| | | ** 25.3 1/15/2005 |
| | -----24----- | ** 24.33 11/21/1985 |
| | | ** 24.00 2/22/1982 |
| | | ** 23.95 5/20/1990 |
| | | ** 23.74 12/31/1990 |
| | | ** 23.49 5/8/1977 |
| | | ** FLOOD STAGE 23.0' |
| | | ** 22.74 5/21/1995 |
| | -----22----- | ** 21.99 9/25/1993 |
| | | ** 21.41 1/6/1993 |
| | -----20----- | |
| Large areas of farmland inundated @ 19.0 ** | | ** 18.77 3/31/2004 |
| Agricultural lands inundated near river @ 18.0 ** | -----18----- | |

ELEVATION ZERO: 508.38
NGVD 1929

SANGAMON RIVER AT PETERSBURG, ILLINOIS

USGS GAGE NUMBER: NONE*

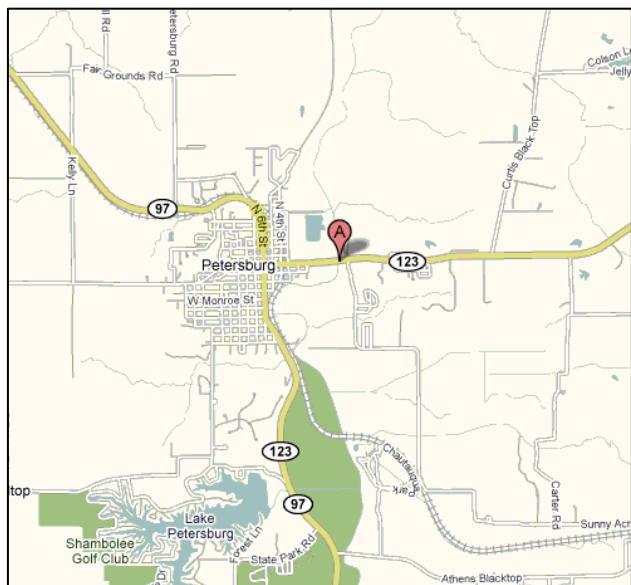
LOCATION: In Menard County. A wire weight gage mounted on the downstream side of the Highway 123 bridge, 2.5 mile upstream from the mouth of Indian Creek, 0.4 miles downstream of the Petersburg Dam, and at river mile 45.9.

NW 1/4, Sec. 13, Twp. 18N, Rng. 7W

39°59'13"N, 89°51'50"W NAD83

Drainage Area = 3,063 mi²

* Data regarding flood stages are based upon a gage operated by the National Weather Service.



STAGE

Sangamon River
Petersburg, IL
PETI2

| NARRATIVE | STAGE | HISTORICAL |
|--|---------------------|--|
| | + + + + + + + + + + | |
| Large part of Petersburg flooded @ 33.90 ** | -----34----- | ** 33.90 5/20/1943

** MAJOR FLOOD STAGE 33.0' (NWS) |
| | -----32----- | |
| | | ** 30.75 5/14/2002 |
| | -----30----- | ** 29.8 4/15/1994 |
| Flood waters close Rte 123. Water overtops the Illinois Midland railroad tracks at 4th St. Water treatment plant surrounded by water @ 29.0 ** | -----28----- | |
| | | ** 27.45 5/11/1996 |
| | | ** 26.5 1/25/1974 |
| | | ** 26.3 1/17/2005 |
| | -----26----- | ** 26.1 5/3/1970 |
| | | ** 24.2 4/21/1969 |
| | -----24----- | ** MODERATE FLOOD STAGE 24.0' (NWS) |
| | | ** 23.04 6/23/90 |
| Extensive agricultural and lowland flooding occurs @ 23.0 ** | | ** FLOOD STAGE 23.0' |
| | -----22----- | |
| Park & recreational land inundated near the river in Petersburg is flooded @ 21.0 ** | | |
| | -----20----- | |
| | | |
| | | |
| | | |
| | | |
| Minor flooding in parks & agricultural areas @ 15.0 ** | -----18----- | |
| | + + + + + + + + + + | |

ELEVATION ZERO: 474.00
NGVD 1929

SANGAMON RIVER NEAR OAKFORD, ILLINOIS

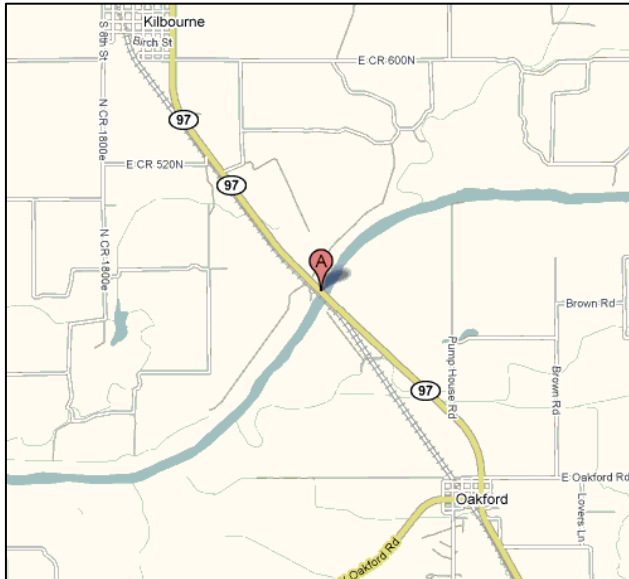
USGS GAGE NUMBER: 05583000

LOCATION: In Mason County, on the right bank at the downstream side of the bridge on State Highway 97, 300 ft. upstream from the Chicago and Illinois Midland Railway Bridge, 1.8 miles northwest of Oakford, and at river mile 25.7.

SE 1/4, Sec. 3, Twp. 19N, Rng. 8W

40°07'27"N, 89°59'06"W NAD83

Drainage Area = 5,093 mi²



STAGE

Sangamon River
Oakford, IL
OKFI2

| NARRATIVE | STAGE | HISTORICAL |
|---|---------------|---|
| | -----478----- | ** 478.51 5/20/1943
** MAJOR FLOOD STAGE 478.5' (NWS) |
| | -----477----- | ** 476.90 4/15/1979

** 476.54 5/15/2002
** 476.53 12/5/1982 |
| Water overtops the Mason, Menard Special
and Oakford levees @ 476.9 ** | -----476----- | ** 475.99 4/15/1994 |
| | -----475----- | ** 475.00 1/15/2005

** 474.64 6/25/1974
** 474.46 4/25/1973 |
| | -----474----- | ** 474.04 6/11/2008
** 473.80 4/26/1994

** 473.56 5/20/1995 |
| | -----473----- | ** MODERATE FLOOD STAGE 472.9' (NWS) |
| | -----472----- | ** 472.14 5/8/1991 |
| | -----471----- | ** FLOOD STAGE 471.0' |
| Flooding begins to agricultural areas not
protected by levees @ 471.0 ** | -----471----- | ELEVATION ZERO: 0.00
NGVD 1929 |

SANGAMON RIVER NEAR CHANDLERVILLE, ILLINOIS

USGS GAGE NUMBER: NONE*

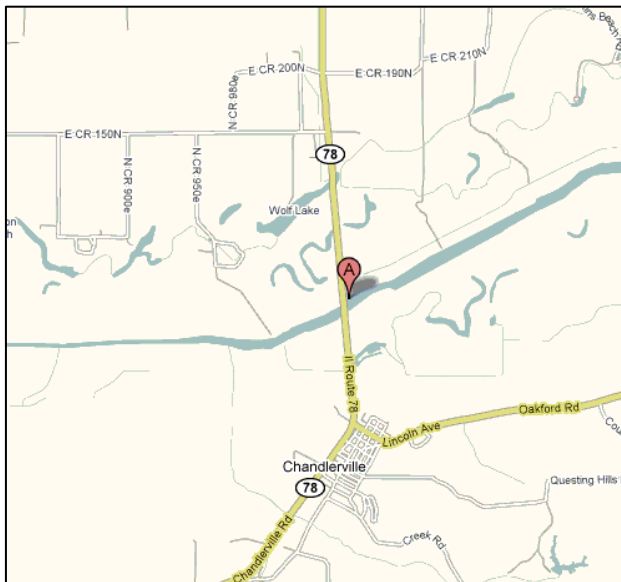
LOCATION: In Cass County, on the right upstream bank of the bridge on Highway 78; 1 mile north of Chandlerville and at river mile 14.8.

SW 1/4, Sec. 30, Twp. 19N, Rng. 9W

40°03'43"N, 90°09'21"W

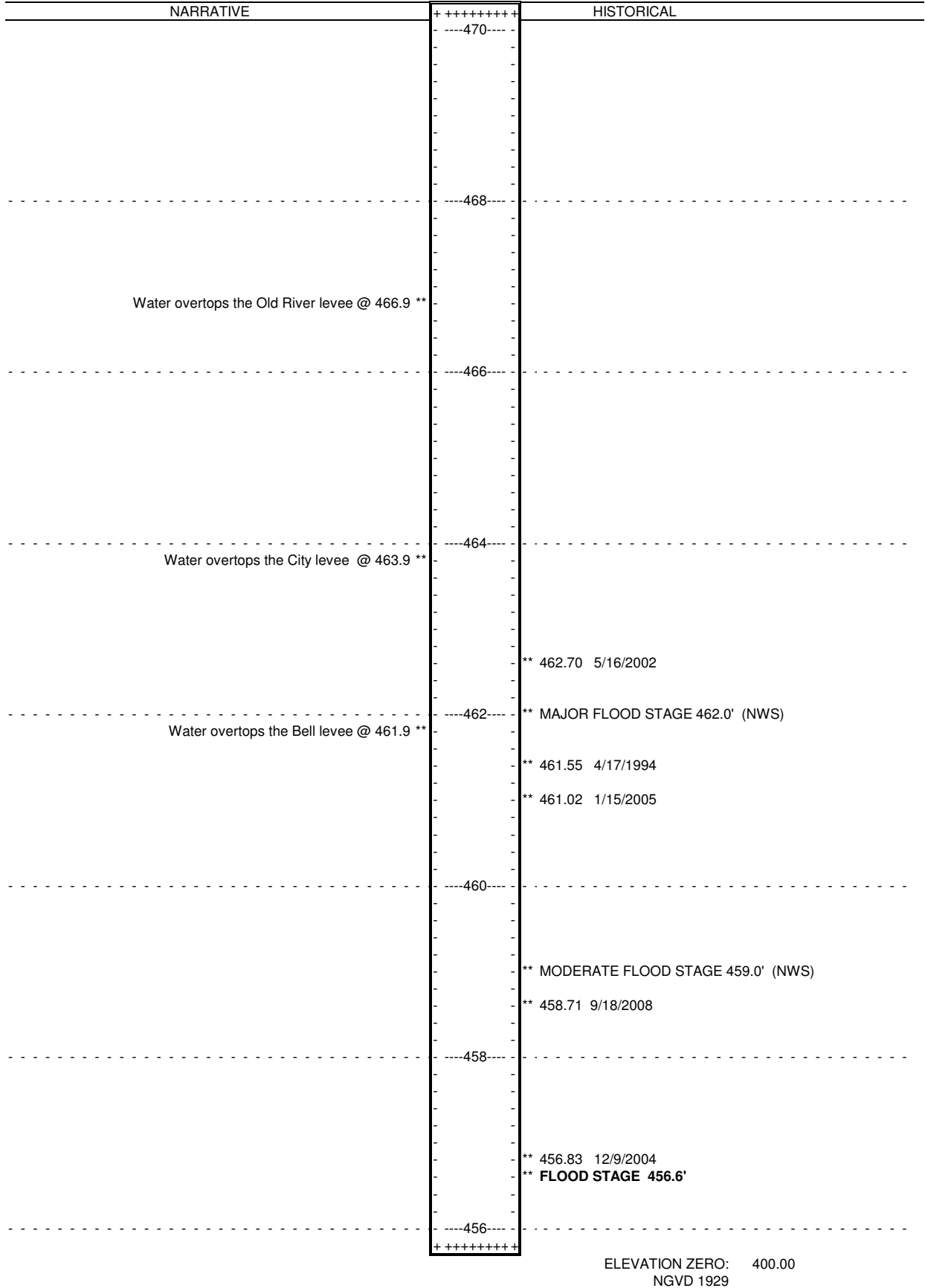
Drainage Area = 5,208 mi²

* Data regarding flood stages are based upon a gage operated by the Corps of Engineers, Rock Island District.



STAGE

Sangamon River
Chandlerville, IL



ELEVATION ZERO: 400.00
NGVD 1929

SHOAL CREEK NEAR BREESE, ILLINOIS

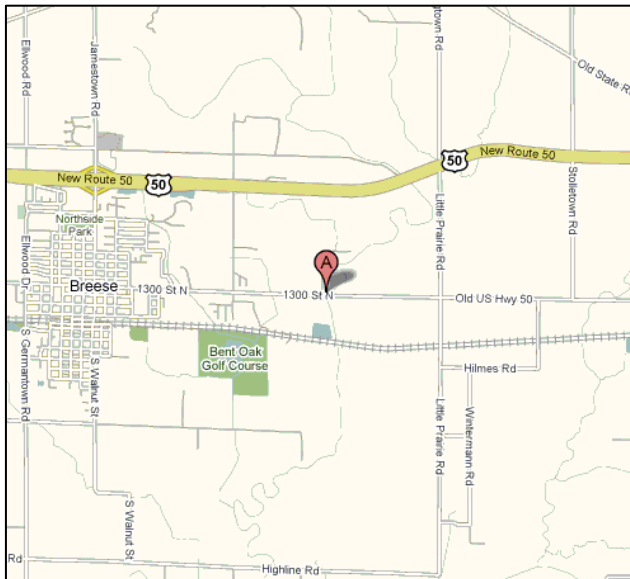
USGS GAGE NUMBER: 05594000

LOCATION: In Clinton County, on the right bank at the upstream side of the bridge on U.S. Highway 50, 0.4 mile upstream from the Baltimore and Ohio Railroad, 1.7 miles east of Breese, 7 miles upstream from Beaver Creek, and at river mile 21.3.

SW 1/4, Sec. 13, Twp. 2N, Rng 4W.

38°36'36"N, 89°29'41"W NAD83

Drainage Area = 735 mi²

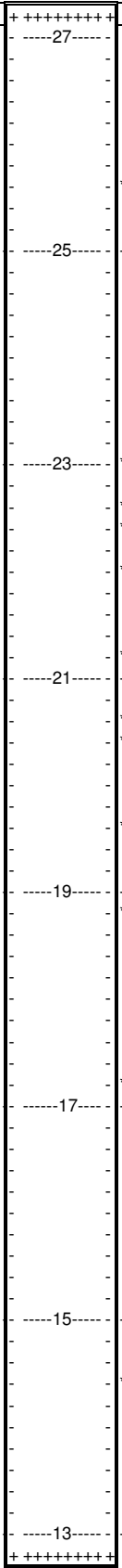


STAGE

Shoal Creek
Breese, IL
BRSI2

NARRATIVE

HISTORICAL



** 25.6 5/19/1943

** 23.02 4/14/1979

** 22.63 1/6/1950

** 22.48 6/17/1957

** 22.10 5/9/2002

** 21.31 1/7/2005

** 20.67 1/2/1991 ; 2/25/1985

** 20.53 5/20/1995 ; 20.49 9/19/2008

** 19.56 5/31/2004

** 18.86 3/24/1998

** 17.14 6/29/2000

** FLOOD STAGE 14.5'

ELEVATION ZERO: 413.97
NGVD 1929

SKILLET FORK AT WAYNE CITY, ILLINOIS

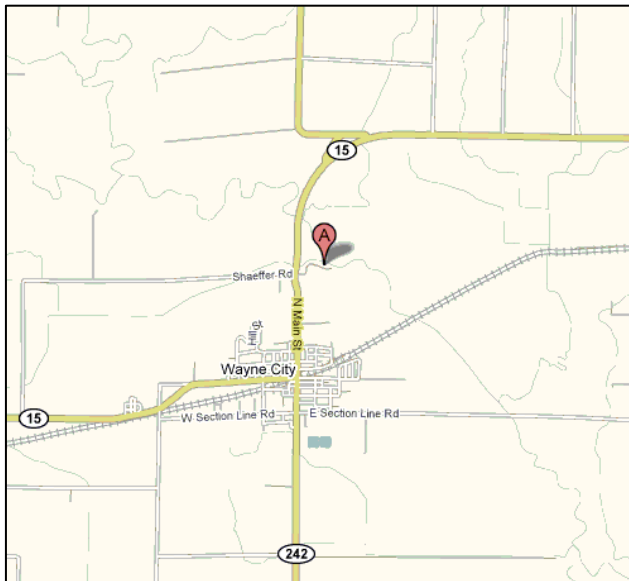
USGS GAGE NUMBER: 03380500

LOCATION: In Wayne County, on the right bank 0.1 miles downstream from Shoe Creek, 0.5 mile downstream from the bridge on State Highway 15, 0.9 mile upstream from the Southern Railway bridge, 1 mile north of Wayne City, and at river mile 42.4.

SW 1/4, Sec. 7, Twp. 2S, Rng. 6E

38°21'30"N, 88°35'05"W NAD83

Drainage Area = 464 mi²



SOUTH BRANCH KISHWAUKEE RIVER AT DEKALB, ILLINOIS

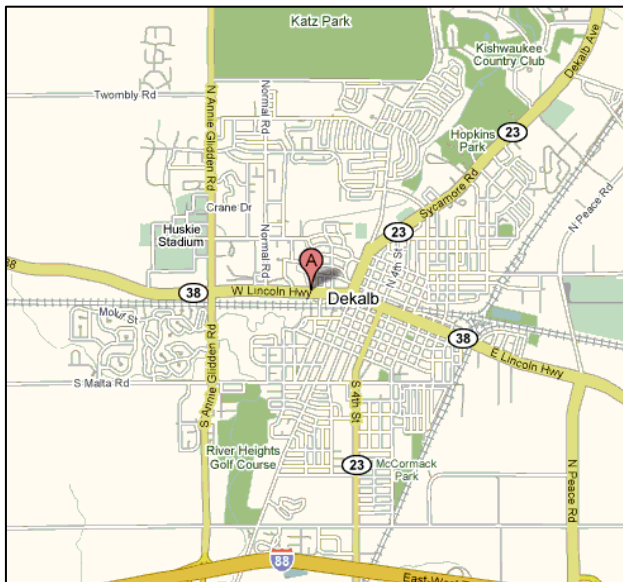
USGS GAGE NUMBER: 05439000

LOCATION: In Dekalb County, on the left bank 100 feet downstream from the bridge on State Highway 38 in De Kalb, and at river mile 37.8.

NE 1/4, Sec. 22, Twp. 40N, Rng. 4E

41°55'52"N, 88°45'35"W NAD83

Drainage Area = 77.7 mi²



STAGE South Branch Kishwaukee River
DeKalb, IL
DEKI2

| NARRATIVE | | HISTORICAL |
|---|-----------------------|-------------------------------------|
| | + + + + + + + + + + + | |
| | -----16----- | |
| | | ** 15.8 7/2/1983 |
| Barsema Hall floods on the NIU campus @ 15.4 ** | | ** 15.34 8/24/2007 |
| | -----15----- | |
| First St bridge in DeKalb is impassable @ 14.5 ** | | |
| Flooding closes IL Rte 64 west of Sycamore @ 14.0 ** | -----14----- | |
| Flood water overtops the levee north of Hillcrest St @ 13.5 ** | | |
| Water overtops the levee at the east lagoon at NIU. Fairview Dr bridge in DeKalb is closed. Castle Dr and Lucinda Ave bridges are impassable @ 13.0 | -----13----- | ** 12.97 7/18/1996 |
| Flooding affects some structures at NIU @ 12.5 ** | | ** 12.64 2/21/1997 |
| | | ** MAJOR FLOOD STAGE 12.5' (NWS) |
| | | ** 12.33 6/12/1929 |
| Flooding affects Riverheights golf course @ 12.1 ** | | |
| Flooding affects homes on north side of DeKalb @ 12.0 ** | -----12----- | |
| | | ** 11.32 9/9/1980 |
| | | ** 11.28 9/14/2008 |
| Street flooding begins in northern DeKalb and water floods Clifford Drive on the south side of Praire Park @ 11.0 | -----11----- | ** MODERATE FLOOD STAGE 11.0' (NWS) |
| | | ** 10.97 8/27/1987 |
| | | ** 10.78 2/25/1926 |
| The Taylor Street Bridge in DeKalb is impassable @ 10.5 ** | | ** 10.62 5/31/2004 |
| Water covers one lane of Taylor Street on the south side of DeKalb. Water approaches apartments near the river on Taylor Street. Flooding of Lions park. Some homes near river experience flooding @ 10.4 | -----10----- | ** FLOOD STAGE 10.0' |
| | -----9----- | |
| | + + + + + + + + + + + | |

ELEVATION ZERO: 831.88
NGVD 1929

SOUTH FORK SANGAMON RIVER AT KINCAID, ILLINOIS

USGS GAGE NUMBER: NONE*

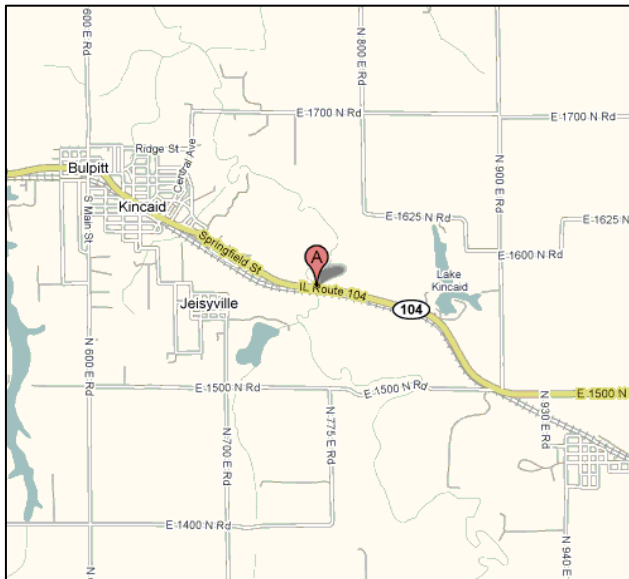
LOCATION: In Christian County, at the bridge on State Highway 104, 1 mile southeast of Kincaid, 5.0 miles upstream from Panther Creek, 5.6 miles upstream from Bear Creek, and at river mile 37.8.

NE 1/4, Sec. 14, Twp. 13N, Rng. 3W

39°34'43"N, 89°23'33"W

Drainage Area = 562 mi²

* Data regarding flood stages are based upon a operated by the National Weather Service



SOUTH FORK SANGAMON RIVER NEAR ROCHESTER, ILLINOIS

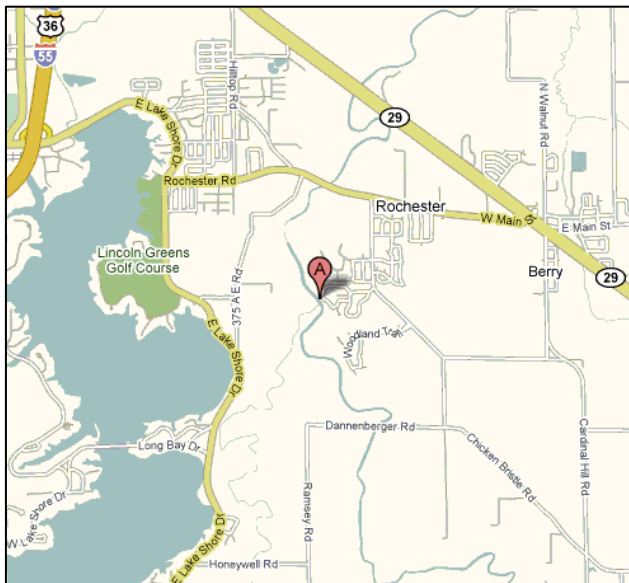
USGS GAGE NUMBER: 05576000

LOCATION: In Sangamon County, on the right bank at the city of Springfield dam, 100 ft. downstream from Horse Creek, 1.7 miles southwest of Rochester, and at river mile 7.4.

NW 1/4, Sec. 20, Twp. 15N, Rng. 4W

39°44'32"N, 89°34'02"W NAD27

Drainage Area = 867 mi²



STAGE South Fork Sangamon River
Rochester, IL
ROCI2

| NARRATIVE | + + + + + + + + + + | HISTORICAL |
|---|---------------------|--------------------------------------|
| | -----34----- | ** 33.59 5/14/2002 |
| | | ** 32.40 4/14/1994 |
| | -----32----- | ** 31.92 4/14/1979 |
| | | ** 30.79 2/26/1985 |
| | -----30----- | ** 30.16 9/18/2008 |
| | | ** 29.96 6/18/1970 |
| | | ** 29.13 1/23/1974 |
| | | ** 28.92 5/11/1996 ; 28.85 9/27/1993 |
| | | ** 28.71 2/24/1982 |
| | -----28----- | |
| | | ** 27.50 12/5/1982 |
| | | ** 27.36 1/2/1991 |
| | | ** 26.64 6/10/2001 |
| | -----26----- | |
| | | ** 25.95 5/22/1995 |
| | -----24----- | |
| | | ** 23.12 5/20/2004 |
| | | ** 22.9 11/21/1993 |
| | -----22----- | |
| | -----20----- | |
| Agricultural lands begin to flood @ 18.0 ** | -----18----- | ** FLOOD STAGE 18.0' |
| | + + + + + + + + + + | |

ELEVATION ZERO: 511.30
NGVD 1929

SPOON RIVER AT LONDON MILLS, ILLINOIS

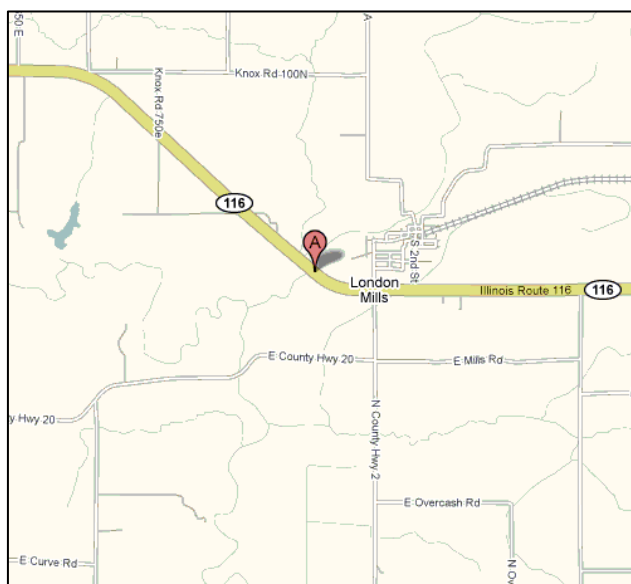
USGS GAGE NUMBER: 05569500

LOCATION: In Fulton County, on the downstream left bank of the bridge on State Highway 116, 0.2 mile downstream from the Chicago and North Western Railroad bridge, 0.5 mile west of London Mills, 0.5 mile upstream from Cedar Creek, 4.0 miles downstream from Littlers Creek, and at river mile 69.2.

NE 1/4, Sec. 4, Twp. 8N, Rng. 2E

40°42'28"N, 90°16'48"W NAD83

Drainage Area = 1,072 mi²



1993 FLOOD INFORMATION

At London Mills several residences received damage, the water treatment plant was flooded, and a sewage lift station was flooded. Sand was dumped on Main Street to provide a temporary levee to control the rising water. Ill. Rte. 116 was overtopped. A levee south of Ill. Rte 116 failed.

At Ellisville 1 residence was damaged. At Seville the access road nearer the river was overtopped by about 3'.

STAGE

Spoon River
London Mills, IL
LNMI2

| NARRATIVE | STAGE | HISTORICAL |
|---|-------------------------------------|--|
| Flood Damage begins to water treatment plant, sewage lift station, & more residences in London Mills @ 28.5 | + + + + + + + + + +
-----28----- | ** 28.03 6/23/1974 |
| | | ** 27.08 8/26/1924 |
| | -----26----- | ** 25.92 7/25/1993 |
| | | ** 25.28 5/16/2009 |
| | | ** 25.15 3/4/1985 ; 25.01 6/5/1970 |
| IL Rte 116 inundated @ 24.0 | -----24----- | ** 24.21 5/28/1996 ; 24.36 10/4/1986
** MAJOR FLOOD STAGE 24.0' (NWS) |
| | | ** 23.68 4/4/1983 |
| | | ** 23.29 5/13/2002 ; 23.20 3/11/2009 |
| | | ** 22.48 2/22/1997 |
| | -----22----- | ** 21.9 5/29/1995 |
| Flood damage begins to Some residents in London Mills @ 21.0 | | ** 21.00 2/10/2001
** MODERATE FLOOD STAGE 21.0' (NWS) |
| | -----20----- | ** 19.29 3/18/1998 |
| | | ** 19.07 2/18/2008 |
| | | ** 18.72 1/14/2005 |
| | -----18----- | ** 17.95 3/2/2007 |
| | -----16----- | ** FLOOD STAGE 15.0' |
| Minor flooding begins to agricultural land @ 15.0 | | |
| Co. Rd 11 3 mi downstream from Dahinda and Co Rd 28 North of Williamsfield inundated @ 10.0 | -----14-----
+ + + + + + + + + + | |

ELEVATION ZERO: 508.97
NGVD 1929

SPOON RIVER AT SEVILLE, ILLINOIS

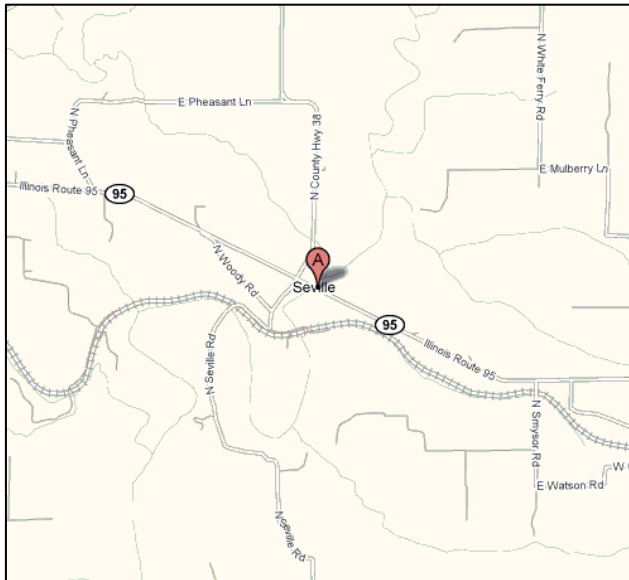
USGS GAGE NUMBER: 05570000

LOCATION: In Fulton County, on downstream left bank of the State Highway 95 bridge, 0.5 mi upstream from the railroad bridge, 0.5 mi northeast of Seville, 0.1 mi downstream from Shaw Creek, and at mile 39.2.

NW 1/4, Sec. 24, Twp. 6N, Rng. 1E

40°29'24"N, 90°20'25"W NAD27

Drainage Area = 1,636 mi²



2009 FLOOD INFORMATION

In March 2009 a levee near Illinois Routes 24 and 136 breached flooding a large area of agricultural land.

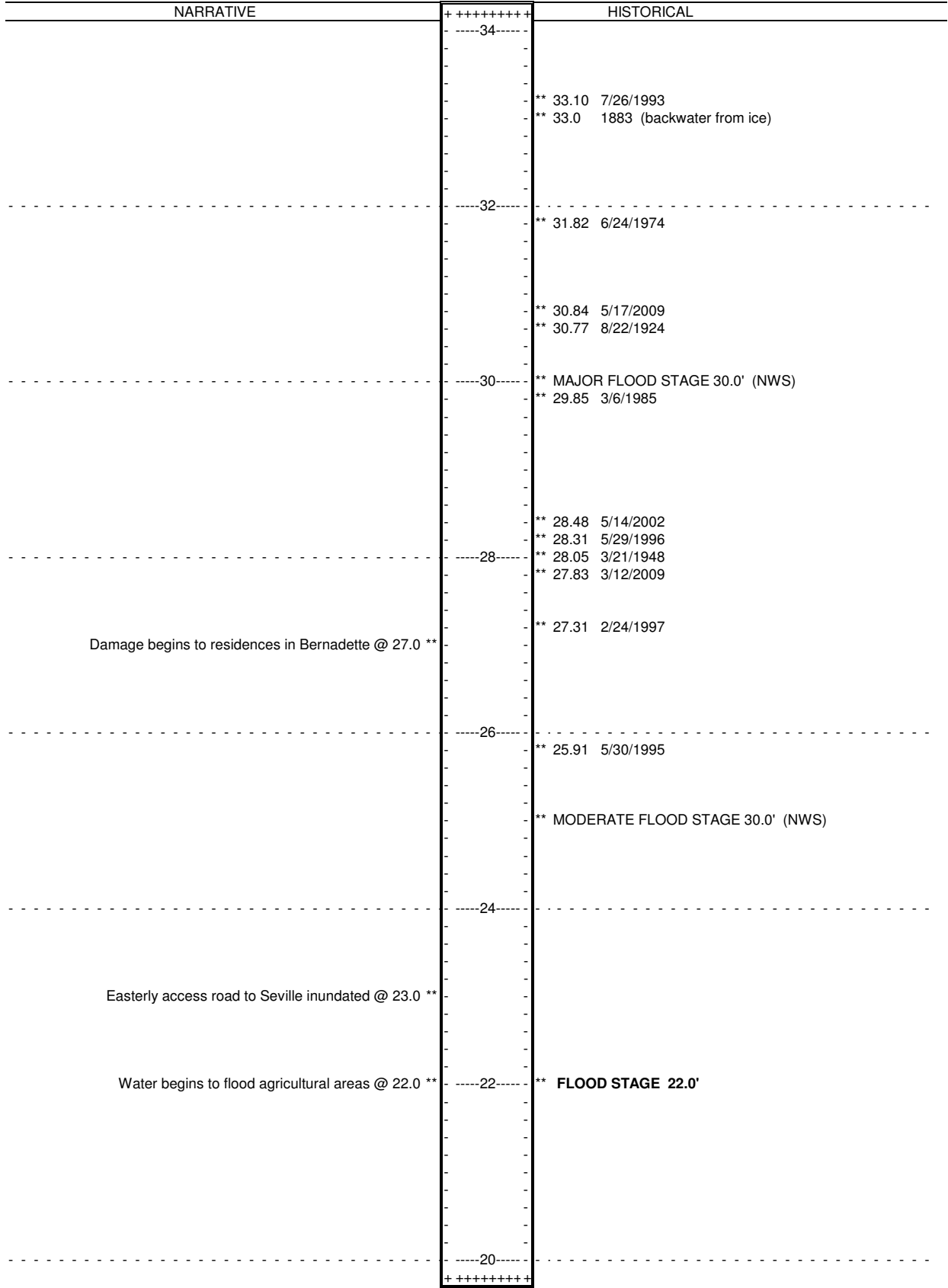
In a second flood event in May 2009 a levee near County Highway 14 breached flooding farmland.

STAGE

Spoon River
Seville, IL
SEVI2

NARRATIVE

HISTORICAL



ELEVATION ZERO: 467.04
NGVD 1929

THORN CREEK AT THORNTON, ILLINOIS

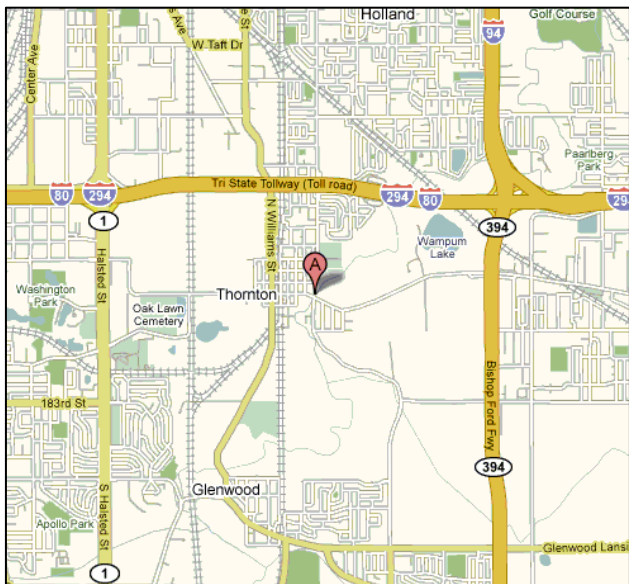
USGS GAGE NUMBER: 05536275

LOCATION: In Cook County, on the downstream right bank of the bridge on Margaret Street in Thornton, 1.0 mile downstream from North Creek, and at river mile 4.2.

NW1/4, Sec. 34, Twp. 36N, Rng. 14E

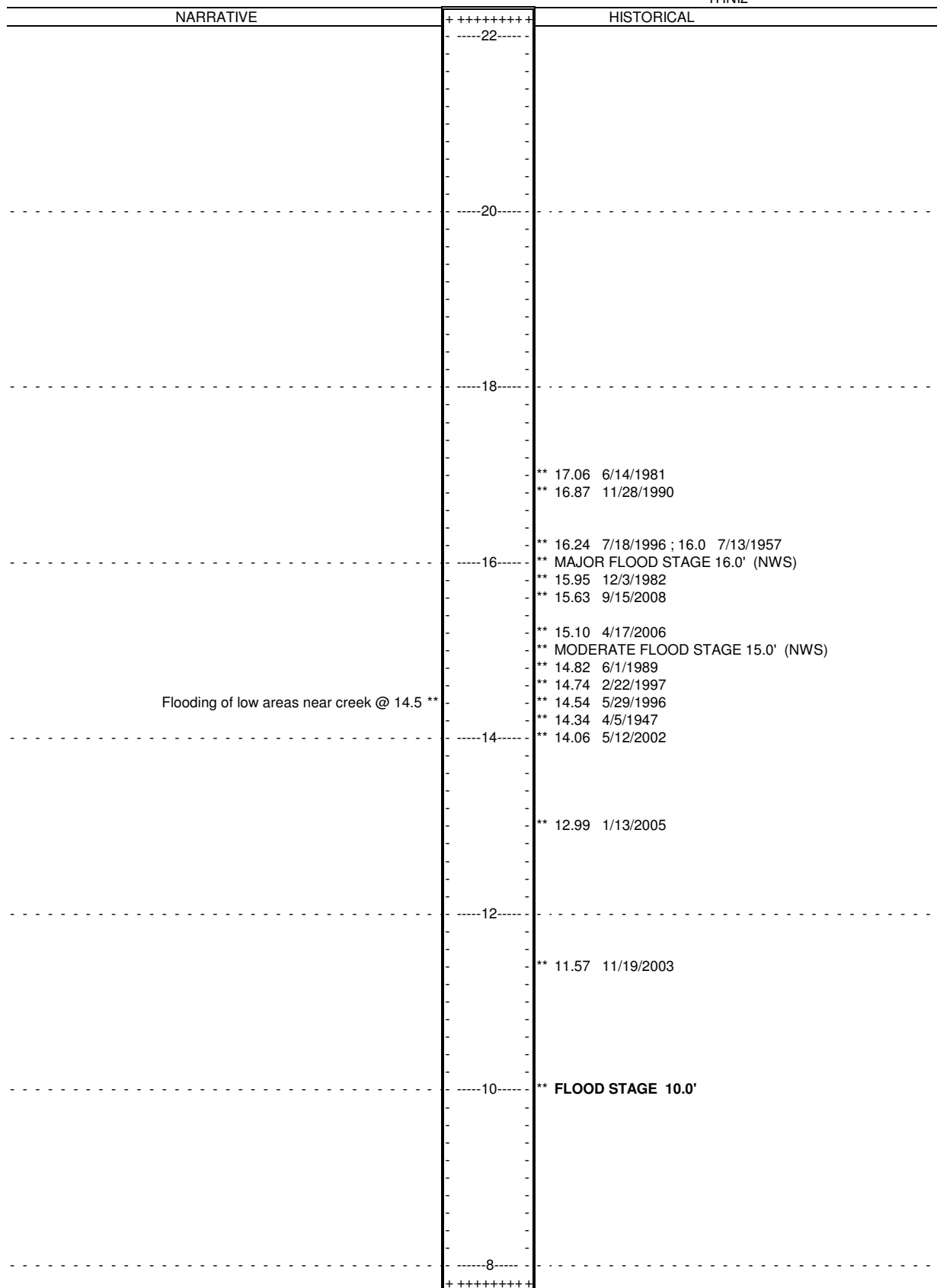
41°34'06"N, 87°36'28"W NAD27

Drainage Area = 104 mi²



STAGE

Thorn Creek
Thornton, IL
THN12



Flooding of low areas near creek @ 14.5 **

ELEVATION ZERO: 586.43
NGVD 1929

VERMILION RIVER AT PONTIAC, ILLINOIS

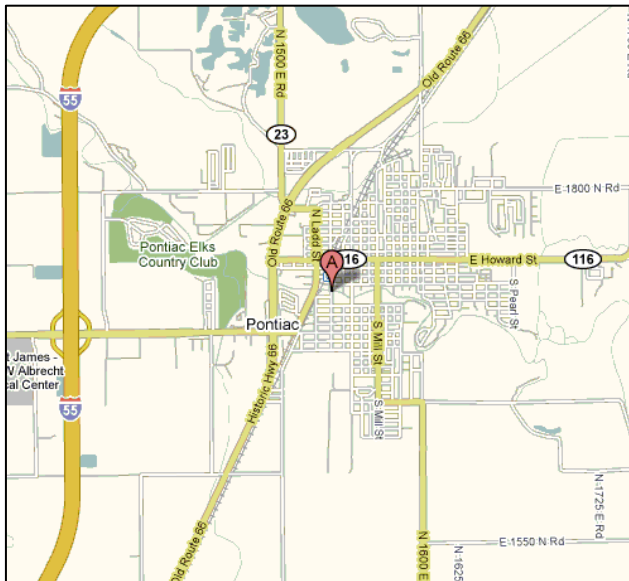
USGS GAGE NUMBER: 05554500

LOCATION: In Livingston County, near the center span on the downstream side of the Vermilion Street bridge in Pontiac, 0.1 mile upstream from State Highway 116, 0.8 mile upstream from Turtle Creek, 1, and at river mile 60.3.

SW 1/4, Sec. 22, Twp. 28N, Rng. 5E

40°52'40"N, 88°38'10"W NAD27

Drainage Area = 579 mi²



STAGE

Vermilion River
Pontiac, IL
PNT12

| NARRATIVE | STAGE | HISTORICAL |
|---|--------------|--|
| | -----20----- | |
| | | ** 19.16 12/4/1982 |
| | -----19----- | |
| January 2008 Flood - 40 residential evacuations, **
50 trailer park evacuations @ 18.79 | | ** 18.79 1/09/2008 |
| | | ** 18.12 6/3/1980 |
| More residential flooding in Pontiac occurs. Many farm **
levees overtopped. Widespread agricultural damage @ 18.0 | -----18----- | ** MAJOR FLOOD STAGE 18.0' (NWS)
** 17.90 7/10/1951 |
| | | ** 17.46 5/14/1970 |
| | | ** 17.23 1/14/2005 |
| | -----17----- | |
| | | ** 16.64 3/12/1990 |
| Water covers old U.S. Rt. 66 @ 16.5 ** | | ** 16.5 3/24/2007 |
| | | ** 16.35 5/13/2002 |
| | | ** 16.27 3/5/1979 ; 16.21 1/5/1993 |
| | | ** 16.19 5/8/1998 |
| Flood damage begins to low lying homes **
on Mill St in Pontiac @ 16.0 | -----16----- | ** 16.07 2/24/1985 |
| | | ** 15.71 5/29/1996 |
| | | ** 15.62 12/30/1990 |
| | -----15----- | |
| Low lying homes threatened upstream **
on Mill St in Pontiac @ 15.0 | | ** MODERATE FLOOD STAGE 15.0' (NWS)
** 14.94 6/7/2001 |
| | -----14----- | |
| Rural flooding begins @ 14.0 ** | | ** FLOOD STAGE 14.0' |
| | -----13----- | |

ELEVATION ZERO: 619.45
NGVD 1929

VERMILION RIVER NEAR LEONORE, ILLINOIS

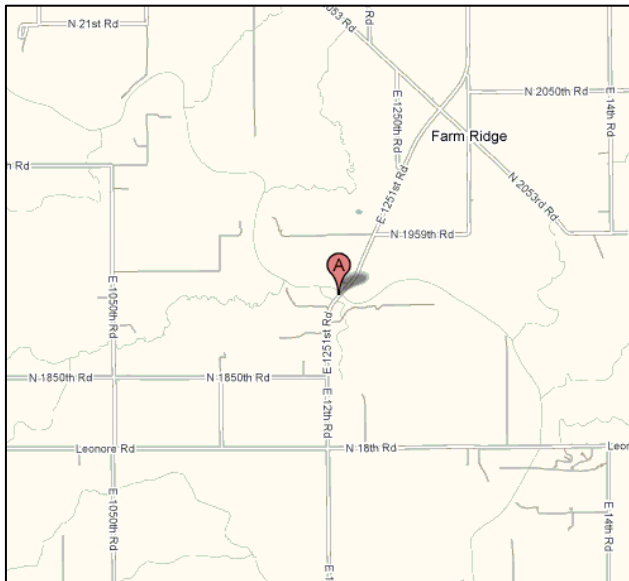
USGS GAGE NUMBER: 05555300

LOCATION: In La Salle County, on the downstream left side of the bridge on county highway 57, 3 miles northeast of Leonore, 6.2 miles downstream from Otter Creek, 8 miles northwest of Streator, and at river mile 17.2.

SW 1/4, Sec. 30, Twp. 32N, Rng. 3E

41°12'30"N, 88°55'51"W NAD27

Drainage Area = 1,251 mi²



STAGE

Vermilion River
Leonore, IL
LNRI2

| NARRATIVE | STAGE | HISTORICAL |
|--|--------------|-------------------------------------|
| | -----28----- | |
| | | ** 27.13 12/4/1982 |
| | -----26----- | ** MAJOR FLOOD STAGE 26.0' (NWS) |
| | | ** 25.5 1/9/2008 |
| | | ** 24.3 9/15/2008 |
| | -----24----- | |
| | | ** 23.45 5/16/2009 |
| | | ** 23.17 11/28/1990 |
| | | ** 22.9 5/13/2002 |
| | | ** 22.79 1/14/2005 |
| | | ** 22.50 2/21/1997 |
| | | ** 22.23 10/5/1986 ; 22.25 6/2/1980 |
| | -----22----- | |
| | | ** 21.67 3/12/1990 |
| | | ** 21.02 5/29/1996 ; 21.17 6/6/2001 |
| Large areas of agricultural land under water @ 21.0 ** | | ** MODERATE FLOOD STAGE 21.0' (NWS) |
| | | ** 20.92 5/25/1995 |
| | -----20----- | |
| | -----18----- | |
| | | ** 16.57 6/1/2004 |
| Water begins to flood agricultural areas @ 16.0 ** | -----16----- | ** FLOOD STAGE 16.0' |
| | -----14----- | |

ELEVATION ZERO: 520.58
NGVD 1929

VERMILION RIVER NEAR DANVILLE, ILLINOIS

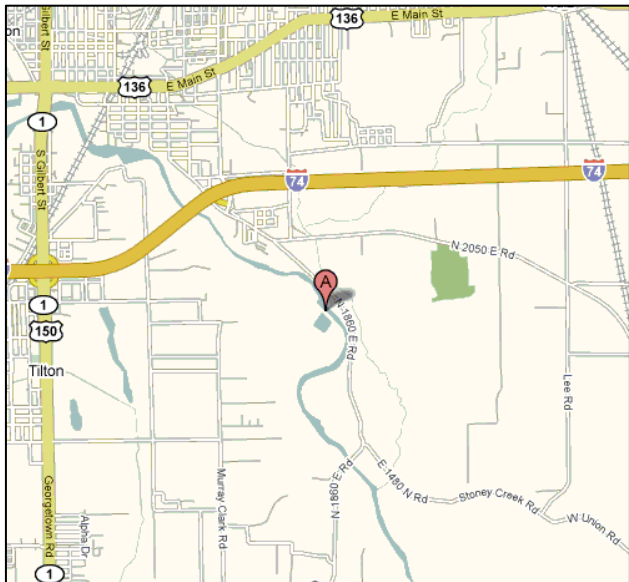
USGS GAGE NUMBER: 03339000

LOCATION: In Vermilion County, on the right bank at the Danville sewage treatment plant, 1.7 miles upstream from Stony Creek, 2.2 miles southeast of Danville, and at river mile 19.5.

NW 1/4, Sec. 22, Twp. 19N, Rng. 11W

40°06'03"N, 87°35'50"W NAD27

Drainage Area = 1,290 mi²



STAGE

Vermilion River
Danville, IL
DNVI2

| NARRATIVE | STAGE | HISTORICAL |
|--|----------------|-------------------------------------|
| Water overtops the the Danville Sanitary District berm @ 36.7 ** | +-----36-----+ | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | ** 31.56 4/13/1994 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | ** 28.59 3/13/1939 |
| | | |
| | | ** MAJOR FLOOD STAGE 28.0' (NWS) |
| | | |
| | | |
| | | |
| | | ** 27.09 5/19/1943 |
| | | ** 26.95 2/11/1959 |
| | | |
| | | |
| | | ** 26.23 2/7/2008 |
| | | |
| | | |
| | | ** 25.4 12/31/1990 |
| | | |
| | | ** 25.11 3/12/1990 |
| | | ** 24.83 5/3/1983 |
| | | ** 24.75 2/24/1985 |
| | | |
| | | ** 24.20 1/5/1950 |
| | | |
| | | ** 23.82 6/16/98 |
| | | |
| | | ** 23.21 1/5/1993 |
| | | |
| | | ** 22.69 1/14/2005 |
| | | |
| | | ** MODERATE FLOOD STAGE 22.0' (NWS) |
| | | ** 21.70 6/23/1974 |
| | | ** 21.36 6/12/2004 |
| | | |
| | | |
| | | ** 18.58 5/19/1995 |
| | | ** FLOOD STAGE 18.0' |
| Minor flooding begins to some secondary roads and agricultural lands not protected by levees @ 18.0 ** | +-----18-----+ | |

ELEVATION ZERO: 503.33
NGVD 1929

WABASH RIVER AT HUTSONVILLE, ILLINOIS

USGS GAGE NUMBER: NONE*

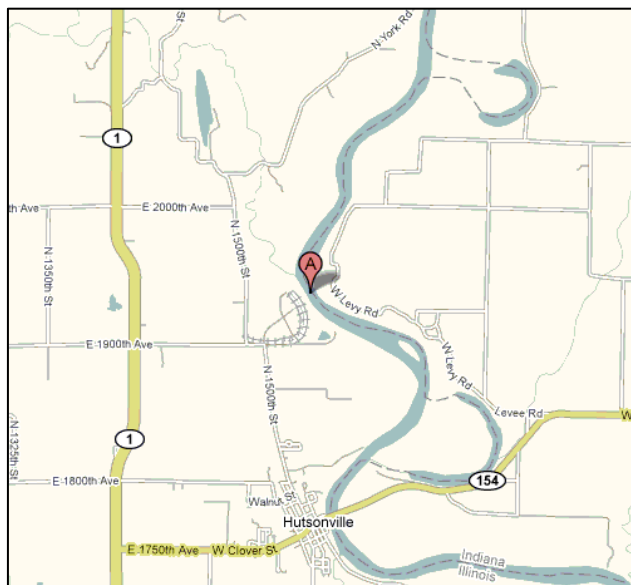
LOCATION: In Crawford County on the right bank at the water intake of the Central Illinois Public Service Co., 2.5 miles north of Hutsonville, and at river mile 174.3.

NW 1/4, Sec. 29, Twp. 8N, Rng. 11W

39°08'03"N, 87°39'29"W

Drainage Area = 12,959 mi²

* Data regarding flood stages are based upon a gage operated by the National Weather Service.



2008 FLOOD INFORMATION

Flooding from the June event impacted twenty structures, one business and there were four evacuations. Six homes were considered substantially damaged.

STAGE

Wabash River
Hutsonville, IL
HUT12

| NARRATIVE | STAGE | HISTORICAL |
|--|--------------|--|
| | -----30----- | ** 29.8 3/30/1913 |
| | | ** 29.45 1/17/2005 |
| | | ** 29.3 6/17/1958 |
| | | ** 28.7 3/1/1985 ; 28.6 5/22/1943 |
| | | ** 28.4 6/10/2008 ; 1/9/1950 |
| All river roads are impassable. More evacuations are necessary in Hutsonville, Darwin, & York. Water is at the top of most agricultural levees @ 28.0 | -----28----- | ** MAJOR FLOOD STAGE 28.0' (NWS) ; 28.0 1/4/1991 |
| | | ** 27.9 2/16/1959 |
| Flooding affects the south and northeast residential areas of Hutsonville. River Rd is impassable @ 27.0 | | ** 27.0 3/17/1939 ; 1/17/1930 |
| | | ** 26.5 2/12/2008 ; 4/18/1994 |
| A few evacuations are necessary in Hutsonville, York & Darwin @ 26.0 | -----26----- | ** 25.8 6/19/1998 ; 25.9 7/17/2003 |
| | | ** 25.3 5/16/02 |
| Rural roads in Eastern Clark & Crawford Co are impassable. Water surrounds residential areas in Hutsonville and York. Flood is at critical stage for most levees @ 24.0 | | ** 24.5 1/29/1999 ; 6/20/2004 |
| Ball field in Hutsonville is flooded @ 23.8 | -----24----- | ** 24.4 3/5/1997 ; 1/20/2007 |
| Extensive backwater flooding along Hutson Creek affects residential property in Hutsonville. Rv's and campers south of Hutsonville moved to higher ground @ 22.9 | | ** 22.8 5/15/1996 ; 22.9 2/18/2009 |
| River Rd between Hutsonville & Palestine begins to flood @ 22.8 | | |
| Basement flooding begins in Hutsonville. River cabins become isolated. Extensive agricultural flooding. Higher rural roads in Clark & Crawford counties flood @ 22.0 | -----22----- | ** MODERATE FLOOD STAGE 22.0' (NWS) |
| | | ** 21.2 10/25/2001 |
| Park in Hutsonville begins to flood. Several County & township roads east of the Lincoln Heritage Trail between Palestine and Hutsonville are impassable. Seep water is noticable behind levees @ 20.0 | -----20----- | ** 20.1 5/23/1995 |
| Hutson Creek begins to overflow from backwater. Old Darwin Road and a few rural roads impassable @ 18.0 | -----18----- | |
| Old Darwin Road and a few low rural roads between York and Hutsonville begin to flood @ 16.4 | -----16----- | ** FLOOD STAGE 16.0' |

ELEVATION ZERO: 420.00
NGVD 1929

WABASH RIVER AT RIVERTON, INDIANA

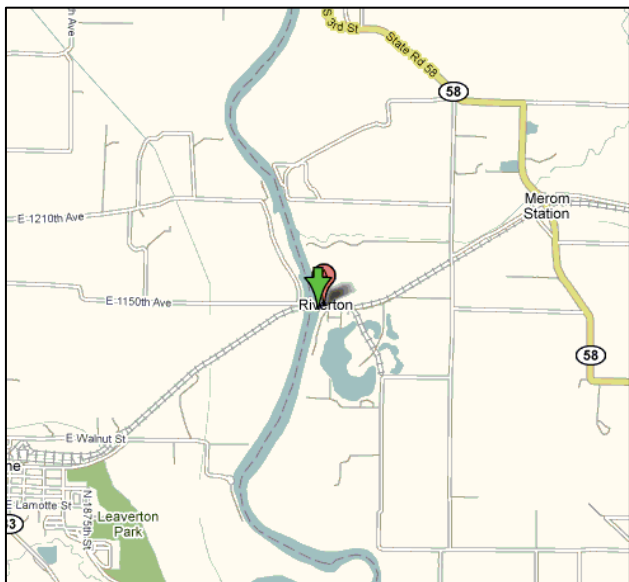
USGS GAGE NUMBER: 03342000

LOCATION: In Sullivan County, Indiana on the left at the downstream side of the Illinois Central Railroad bridge at Riverton, 0.5 miles downstream from Turtle Creek and at river mile 162.0

SW 1/4, Sec. 30, Twp. 7N, Rng. 10W

39°01'13"N, 87°34'07"W NAD27

Drainage Area = 13,161 mi²



STAGE

Wabash River
Riverton, IN

| NARRATIVE | STAGE | HISTORICAL |
|---|--------------|-------------------------------------|
| | -----30----- | |
| | | ** 29.36 5/21/1943 |
| | | |
| The top of all levees is reached. Illinois 33 about 2 miles south of Heathsville, IL begins to flood @ 28.0 | -----28----- | |
| | | ** 26.56 6/10/2008 |
| | | ** 26.40 3/28/1913 |
| | | ** 26.24 1/18/2005 |
| | -----26----- | |
| IL Rte 154 between Hutsonville and Graysville is closed @ 25.5 | | ** 25.83 6/18/1958 |
| | | ** 25.20 1/18/1950 |
| | | ** 24.46 3/1/1985 |
| | | ** 24.16 2/12/2008 |
| Most levees are at critical levels. Residences in eastern Palestine and along East River Rd affected. Some evacuations are necessary @ 24.0 | -----24----- | ** MAJOR FLOOD STAGE 24.0' (NWS) |
| | | ** 23.61 7/17/2003 |
| | | ** 22.39 1/21/2007 |
| | | ** 22.29 6/21/2004 |
| | -----22----- | |
| | | ** 20.91 2/18/2009 |
| Backwater flooding of Minnow Slough, Sugar Creek and Lamotte Creek in Palestine area @ 20.7 | | |
| Higher rural roads begin to flood @ 20.0 | -----20----- | ** MODERATE FLOOD STAGE 20.0' (NWS) |
| | | |
| Seep water develops behind levees @ 18.5 | | ** 18.47 12/8/2006 |
| | -----18----- | |
| Extensive lowland flooding is in progress. High water surrounds many river cabins. Access to most river cabins is by boat only. Extensive flooding of Leaverton Park in Palestine, Illinois @ 18.0 | | |
| | -----16----- | |
| A few rural roads in Crawford County close as water backs up Minnow slough. High water affects campground at Leaverton Park in Palestine. Water level is at the top of most makeshift levees @ 16.0 | | ** FLOOD STAGE 15.0' |
| | -----14----- | |
| Lowest agricultural lands and roads begin to flood @ 14.0 | +++++++ | |

ELEVATION ZERO: 414.65
NGVD 1929

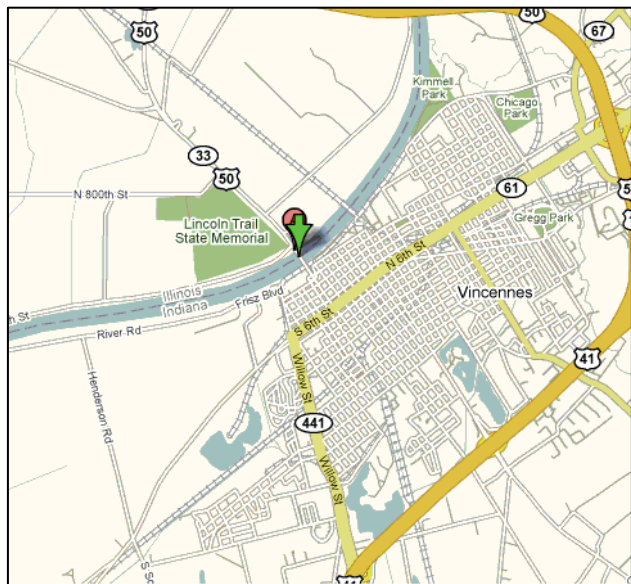
WABASH RIVER AT VINCENNES, INDIANA

USGS GAGE NUMBER: 03343010

LOCATION: In Knox County, Indiana, at the Lincoln Memorial Bridge, 5.7 miles upstream of the Embarras River, and at river mile 127.8.

38°40'53"N, 87°32'07"W NAD27

Drainage Area = 13,732 mi²



2008 FLOOD INFORMATION

During the June flood event, three levees in Lawrence County failed affecting 200 homes and causing flood damage to 70. US Business 50 and O'Neal airport just northwest of the Lincoln Memorial Bridge flooded extensively. The Russell Allison levee failed at a stage of 27.5' affecting up to 25,000 acres of farmland south of US 50.. The other levees were located on the Embarras River. Failure of those two affected an additional 20,000 acres.

STAGE

Wabash River
Vincennes, IN

| NARRATIVE | STAGE | HISTORICAL |
|--|--------------|--------------------------------------|
| | -----30----- | |
| | | ** 29.33 5/22/1943 |
| | | ** 29.04 1/18/1950 |
| Levees overtop in Lawrence county @ 28.0 ** | -----28----- | ** MAJOR FLOOD STAGE 28.0' (NWS) |
| St. Francesville access limited to one location @ 27.5 ** | | ** 27.50 6/10/2008 |
| | | ** 27.25 3/2/1985 |
| | | ** 27.15 1/18/2005 |
| | | ** 26.5 1/6/1991 |
| | | ** 26.3 3/29/1913 |
| | -----26----- | |
| | | ** 25.45 5/17/2002 |
| Water level is at the critical stage for the England Pond levee @ 25.0 | | |
| Backwater for the Wabash River causes agricultural flooding along the Embarras River in Lawrence County, IL @ 24.3 ** | | |
| Water level is at the critical stage for portions of the Russell-Allison levee @ 24.0 | -----24----- | ** 24.0 2/13/2008 |
| | | ** 22.55 7/18/2003 ; 1/21/2007 |
| | -----22----- | |
| Extensive agricultural flooding in areas not protected by levees @ 21.0 | | ** 20.45 6/22/2004 ; 20.42 2/18/2009 |
| | -----20----- | ** MODERATE FLOOD STAGE 20.0' (NWS) |
| | -----18----- | |
| River Rd from Lincoln Memorial bride to Billett Rd is impassable. Seep water behind levees from Russellville to US Hwy 50 @ 17.0 | | |
| Agricultural lands near St. Francisville, IL flood @ 16.0 ** | -----16----- | ** FLOOD STAGE 16.0' |
| | -----14----- | |
| | +++++++ | |

ELEVATION ZERO: 394.43
NGVD 1929

WABASH RIVER AT MOUNT CARMEL, ILLINOIS

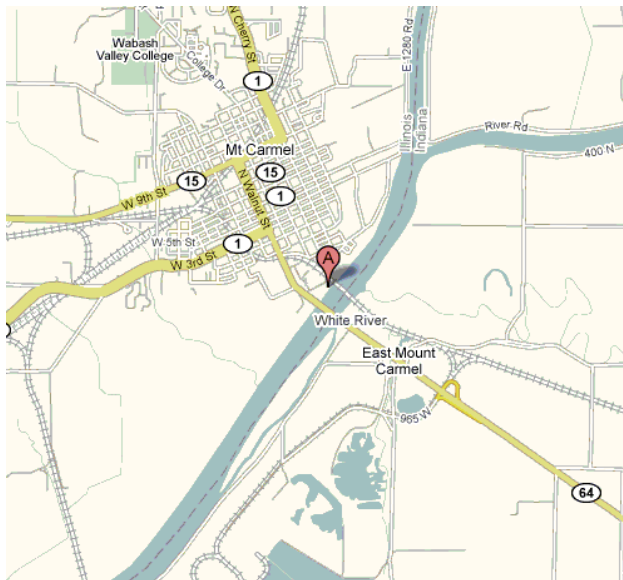
USGS GAGE NUMBER: 03377500

LOCATION: In Wabash County, on the downstream right bank of the Southern Railway bridge at Mount Carmel, 0.2 miles downstream from Patoka River, and at river mile 94.4.

NW 1/4, Sec. 28, Twp. 1S, Rng. 12W

38°24'07"N, 87°45'10"W NAD27

Drainage Area = 28,635 mi²



WABASH RIVER AT NEW HARMONY, INDIANA

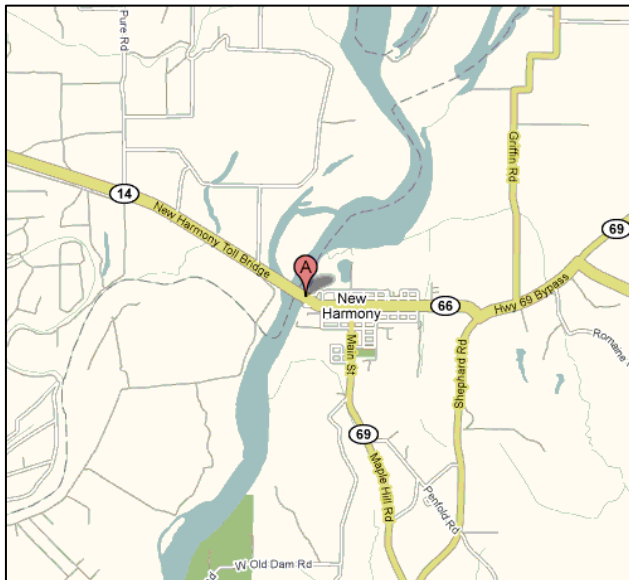
USGS GAGE NUMBER: 03378500

LOCATION: In Posey County, Indiana on the downstream side of the concrete pier at the bridge on State Road 66 at New Harmony, at Indiana-Illinois State line, and at river mile 53.1.

SE 1/4, Sec. 35, Twp. 4S, Rng. 14W

38°07'51"N, 87°56'29"W NAD27

Drainage Area = 29,234 mi²



2008 FLOOD INFORMATION

In Graysville during the June event, the water chemical building, the water wells building, access road to the public wells, and public facilities at the city boat ramp all flooded.

STAGE

Wabash River
New Harmony, Indiana
NHRI3

| NARRATIVE | STAGE | HISTORICAL |
|---|-------|---|
| | 28 | ** 27.70 3/31/1913 |
| | 26 | ** 24.4 1/23/1937 |
| | 24 | ** 23.84 5/26/1943
** 23.4 1/14/1950
** 23.14 1/14/2005
** MAJOR FLOOD STAGE 23.0' (NWS) |
| | 22 | ** 22.45 6/15/2008
** 22.2 5/15/1961 |
| Water overtops the Wabash District #1 levee @ 21.0 ** | 21 | ** 21.6 1/08/1991
** 21.2 11/23/1993
** 20.9 5/07/1996 |
| All bottomland inundated @ 19.0 ** | 20 | ** MODERATE FLOOD STAGE 20.0' (NWS)
** 19.9 3/12/1979
** 19.48 1/13/2004
** 19.31 5/26/1995
** 18.96 3/9/1997 |
| 60% of bottoms covered in area of
Granny Tweedle levee @ 18.0 ** | 18 | |
| Low ground inundated @ 15.0 ** | 15 | ** FLOOD STAGE 15.0' |

ELEVATION ZERO: 353.20
NGVD 1929

WEST BRANCH DUPAGE RIVER NEAR WEST CHICAGO, ILLINOIS

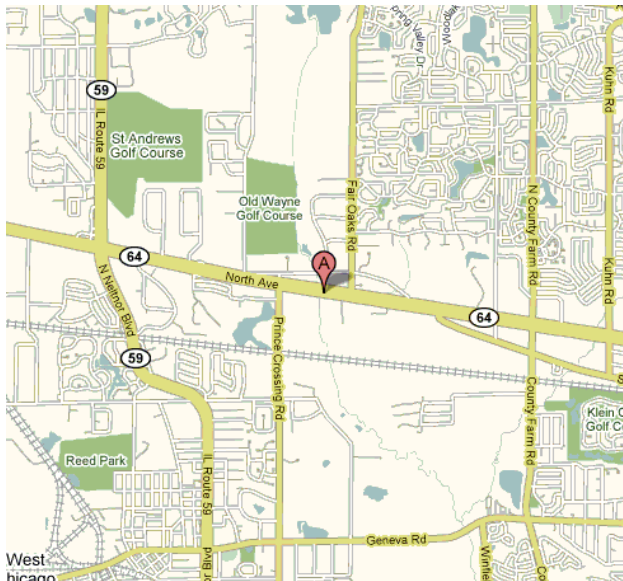
USGS GAGE NUMBER: 05539900

LOCATION: In DuPage County, on the downstream left bank of the bridge on State Highway 64, 2 mile northeast of West Chicago, and at river mile 49.2.

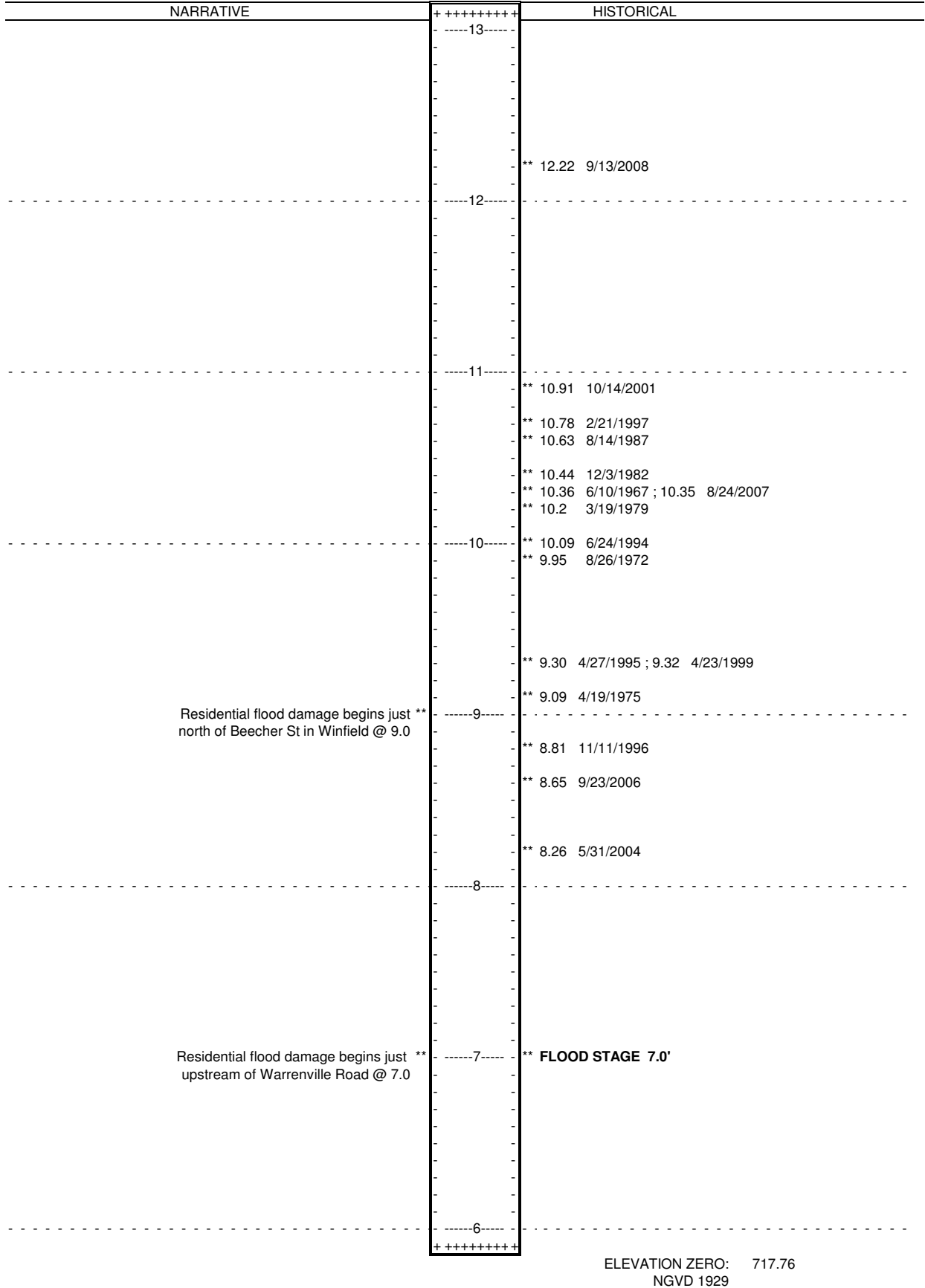
NW 1/4, Sec. 35, Twp. 40N, Rng. 90E

41°54'39"N, 88°10'44"W NAD27

Drainage Area = 28.5 mi²



STAGE West Branch DuPage River
West Chicago, IL



ELEVATION ZERO: 717.76
NGVD 1929

WEST BRANCH DUPAGE RIVER NEAR WARRENVILLE, ILLINOIS

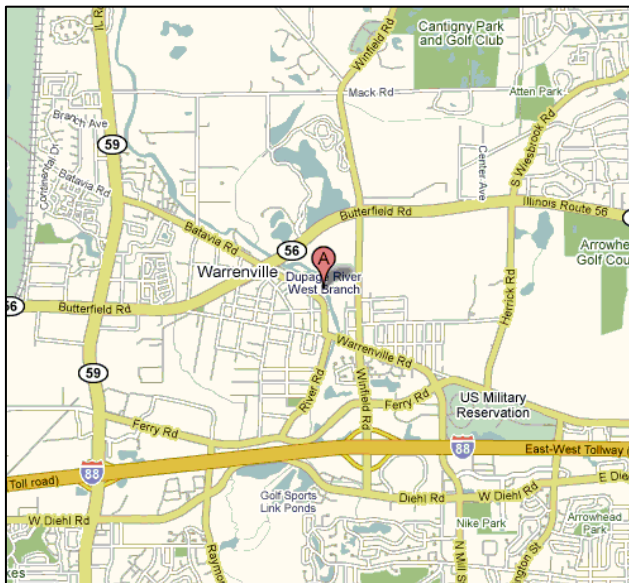
USGS GAGE NUMBER: 05540095

LOCATION: In Du Page County, on the right bank 400 ft. upstream from Warrenville Forest Preserve Dam in Warrenville, 0.6 mile downstream from Spring Brook, and at river mile 38.9.

NE 1/4, Sec. 35, Twp. 39N, Rng. 9E

41°49'21"N, 88°10'24"W NAD27

Drainage Area = 90.4 mi²



STAGE

West Branch DuPage River
Warrenville, IL

NARRATIVE

HISTORICAL



** 8.05 9/14/2008

** 6.41 7/18/1996

** 5.85 8/15/1987

** 5.54 10/11/1954
** 5.43 2/22/1997

** 4.88 12/3/1982
** 4.79 10/14/2001

** 4.34 8/24/2007

** 4.09 4/21/2000

** 3.69 5/31/2004

ELEVATION ZERO: 688.59
NGVD 1929

WEST BRANCH DUPAGE RIVER NEAR NAPERVILLE ILLINOIS- Fawell Dam

USGS GAGE NUMBER: NONE*

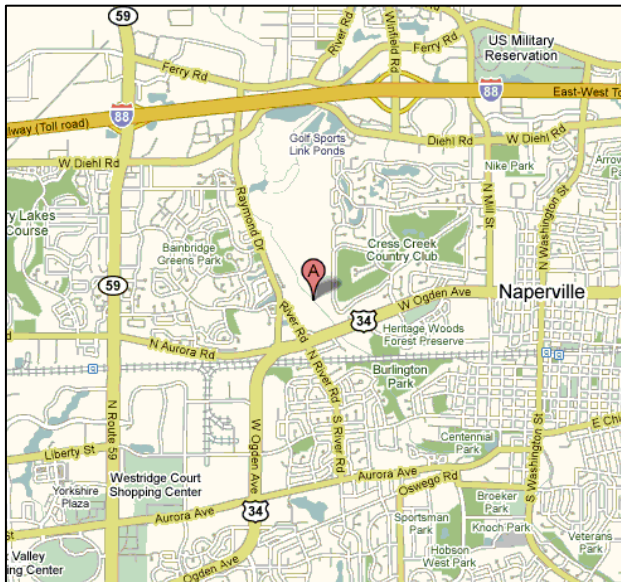
LOCATION: In Du Page County, at Fawell Dam, approximately 0.3 miles upstream of Ogden Ave. and at river mile 35.8.

SW 1/4, Sec. 11, Twp. 38N, Rng. 9E

41°47'06"N, 88°10'43"W

Drainage Area = 107 mi²

Data regarding flood stages are based upon a gage operated by the IDNR/Office of Water Resources at this station.



STAGE West Branch DuPage River
Fawell Dam -- Naperville, IL

| NARRATIVE | STAGE | HISTORICAL |
|-----------|-------|---------------------|
| | 16 | |
| | | ** 15.70 8/27/1987 |
| | 15 | |
| | | ** 14.20 12/3/1982 |
| | 14 | |
| | | ** 13.72 7/18/1996 |
| | | ** 13.70 2/20/1979 |
| | 13 | |
| | 12 | |
| | | ** 12.00 2/14/1984 |
| | 11 | |
| | | ** 10.98 2/22/1997 |
| | | ** 10.34 11/20/1985 |
| | 10 | |
| | 9 | |

ELEVATION ZERO: 672.00

WEST BRANCH DUPAGE RIVER NEAR NAPERVILLE, ILLINOIS

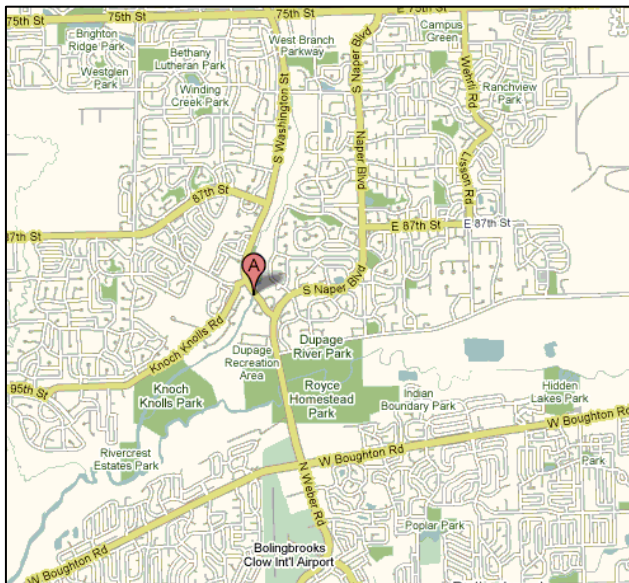
USGS GAGE NUMBER: 05540130

LOCATION: In Du Page County, on the downstream side of the bridge on Washington Street, 3.5 miles southeast of Naperville, and at river mile 29.3

NE 1/4, Sec. 6, Twp. 37N, Rng. 10E

41°43'14"N, 88°07'55"W NAD83

Drainage Area = 123 mi²

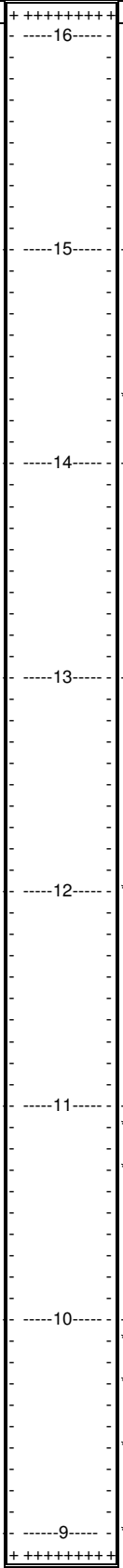


STAGE

West Branch DuPage River
Naperville, IL
NPVI2

NARRATIVE

HISTORICAL



** 14.31 7/18/1996

** 12.06 9/14/2008

** 10.98 2/22/1997

** 10.7 10/13/2001

** 9.92 2/19/1994

** 9.76 5/10/1990

** 9.41 4/21/2000

** 8.78 6/12/2004

ELEVATION ZERO: 630.00
NGVD 1929