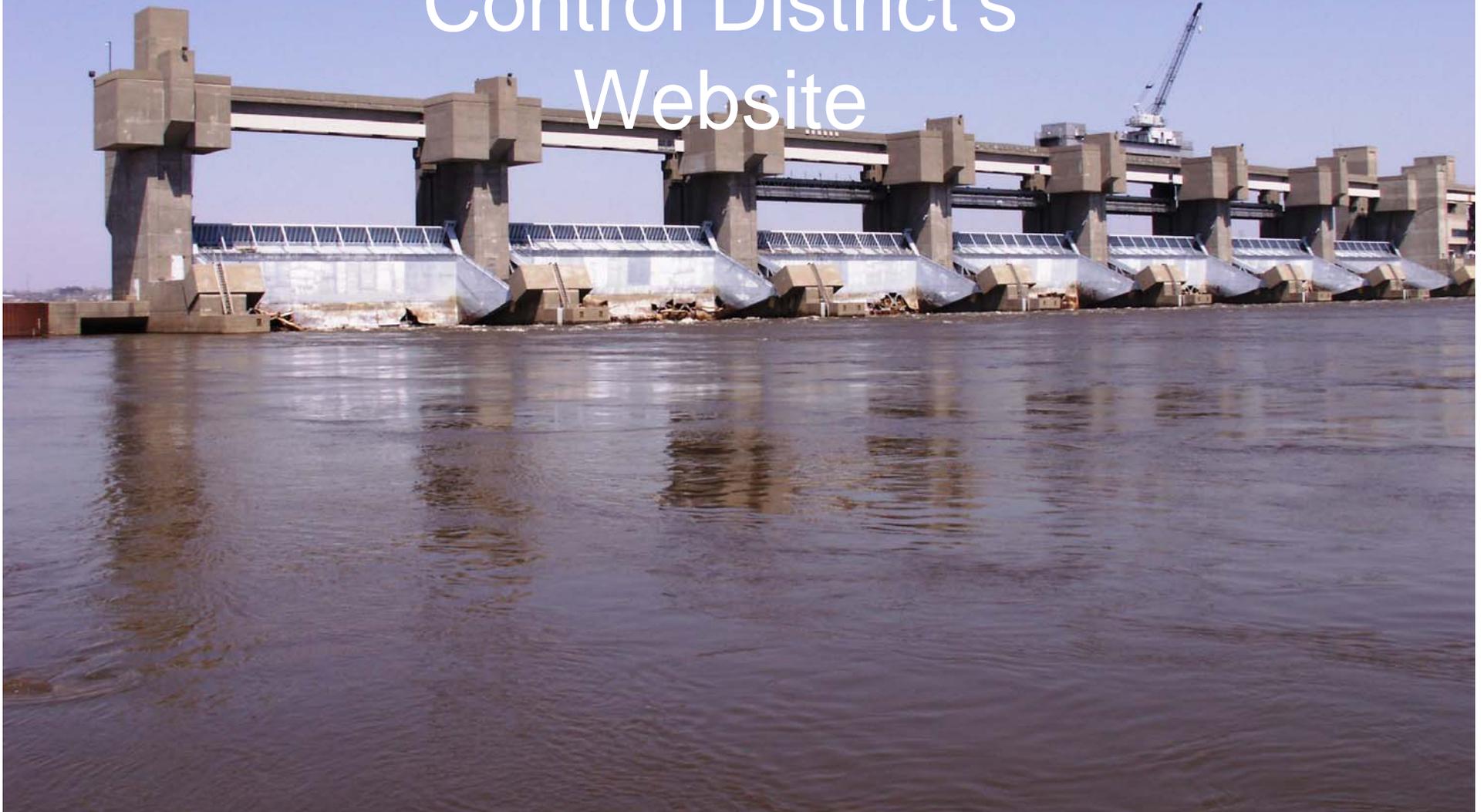




US Army Corps
of Engineers ®

A Guide to the St. Louis Water Control District's Website





US Army Corps
of Engineers ®

Are you looking for today's reading and three day forecast?



NEWSROOM ABOUT US RIVER & RESERVOIR GAGE READINGS CONTACT US KIDS CORNER

US Army Corps of Engineers®
St. Louis District

WATER CONTROL

**RELEVANT
READY
RESPONSIVE
RELIABLE**
*Proudly serving the Armed Forces and
the Nation now and in the future.*

HOW DO I... » Obtain a regulatory permit? » Find St. Louis District lakes? » Find a Corps Map?
» Contract with the Corps? » Make campground reservations? » Find Corps Publications?
» Property? » Work for the Corps of Engineers? » Find other Corps of Engineers offices?

available on this server includes:

[Fish Spawn Information](#) [Environmental Pool Management](#)

- [River and Reservoir Reports](#) - Corps of Engineers 6:00 A.M. Daily Readings, National Weather Service 3-Day River Forecasts
- [River Gage Data, Current Conditions](#) - Plots, Tables, Descriptions
- [Lock & Dam Gate Report](#) - Table of L&D Gate Settings, Pool, and Tailwater Levels
- Project Flow Plots
 - o Rivers: [Illinois](#) [Missouri](#) [Mississippi](#) [Meramec](#) [Tributaries](#)
 - o Projects: [Carlyle](#) [Mark Twain](#) [Rend](#) [Shelbyville](#) [Wappapello](#)
- [Gage Precipitation](#) - 6 Hour Incremental Precipitation Table With Color Code
- [Gage Precipitation Totals](#) - 6, 12, 24, 36, & 72 Hour Cumulative Precipitation Table With Color Code
- [Historic Records](#) - Period of Record Levels and Discharges of the Mississippi River and Tributaries in the St. Louis District
- [Weather Information](#) - Various Weather Web Sites
- [Water Control Management District Boundaries](#) - District Map With Detailed Gage Locations

Navigation Notices:

Internet

This link will give you the morning reading and three day forecast.



River and Reservoir Report



US Army Corps
of Engineers ®

6 am
Reading

Three day Forecast from National Weather Service. Forecast includes observed and forecasted precipitation for the next 24 hours.

River Mile	Gage Station	6am Levels	24hr Chg	National Weather Service River Forecast			Flood Level	Gage Zero	Record Level	Record Date	
				Next 3 days	Forecast Time	Crest/Date					
MISSISSIPPI RIVER											
309.0	Hannibal	11.9	0.1	12.0	12.1	12.2	05/30/07 10:07	16.0	449.43	31.80	7-16-93
301.2	L&D 22 TW	9.2	0.1	9.4	9.4	9.5	05/30/07 10:07	16.0	446.10	29.58	7-25-93
282.9	Louisiana	11.8	-0.0	11.8	11.8	11.8	05/30/07 10:07	15.0	437.33	28.40	7-28-93
273.5	L&D 24 HW (elev)	448.0	-0.1						421.81		
273.2	L&D 24 TW	19.0	0.1	19.4	19.5	19.5	05/30/07 10:07	25.0	421.81	37.70	7-29-93
260.3	Mosier Landing (elev)	436.9	0.0					441.0	400.00	454.30	7-29-93
241.5	L&D 25 HW (elev)	432.1	-0.0						407.00		
241.2	L&D 25 TW	18.9	0.1	19.2	19.3	19.4	05/30/07 10:07	26.0	407.00	39.60	8-1-93
218.6	Grafton	15.5	0.0	15.5	15.6	15.6	05/30/07 10:07	18.0	403.79	38.20	8-1-93
201.1	Mel Price L&D HW (elev)	418.0	-0.1						395.48		
200.5	Mel Price L&D TW	13.9	0.5	13.8	13.3	12.7	05/30/07 10:07	21.0	395.48	42.70	8-1-93
180.0	St. Louis	19.6	0.9	19.3	18.7	17.9	05/30/07 10:07	30.0	379.94	49.58	8-1-93
136.0	Brickeys Landing	20.8	1.3					26.0	357.78	47.00	8-5-93
109.9	Chester	20.6	1.6	21.2	20.9	20.1	05/30/07 10:07	27.0	341.05	49.70	8-7-93
52.1	Cape Girardeau	24.9	1.3	26.1	26.2	25.7	05/30/07 09:21	32.0	304.65	47.90	8-8-93
43.7	Thebes	23.5	1.2					33.0	300.00	45.50	8-7-93
20.2	Thompson Landing	32.6	0.0					39.0	280.00	51.95	5-28-95
2.0	Birds Point	17.3	0.6					38.0	274.53		
ILLINOIS RIVER											
263.1	Morris	5.3	-0.3	5.6	5.6	5.5	05/30/07 09:02	13.0	478.50	24.60	2-24-85
224.7	La Salle	12.4	-0.5	12.1	12.0	12.0	05/30/07 09:02	20.0	430.00	32.05	12-5-82
164.6	Peoria	12.0	-0.2	11.7	12.0	12.2	05/30/07 09:04	18.0	428.40	28.80	5-23-43
88.6	Beardstown	10.8	0.3	10.8	10.8	10.7	05/30/07 09:04	14.0	419.90	29.60	5-26-43
70.8	Meredosia (elev)	424.5	0.5	424.9	424.9	424.7	05/30/07 10:07	432.0	418.00	446.69	5-26-43
61.3	Valley City	5.5	0.4	5.8	5.9	5.8	05/30/07 10:07	11.0	418.00	26.91	5-26-43
56.0	Florence	23.2	0.4					24.3	400.00	43.60	8-1-93
21.5	Herdon	10.0	0.0	20.7	20.5	20.7	05/30/07 10:07	25.0	400.00	43.70	8-2-03



US Army Corps
of Engineers ®

Lake Information



70.8	Meredosia (elev)	423.8	0.2	423.7	423.5	423.4	06/11/07 09:44		432.0	418.00	446.69	5-26-43
61.3	Valley City	4.9	0.2	4.8	4.7	4.5	06/11/07 09:44		11.0	418.00	26.91	5-26-43
56.0	Florence	22.7	0.2						24.3	400.00	43.60	8-1-93
21.5	Hardin	19.9	-0.0	20.0	20.0	20.0	06/11/07 09:44		25.0	400.00	42.30	8-3-93
CUIVRE RIVER												
20.0	Troy	4.3	0.0						21.0	450.27	33.00	4-12-94
MISSOURI RIVER												
97.9	Hennann	17.1	0.1	18.3	18.0	16.9	06/11/07 09:44		21.0	481.56	36.3	7-31-93
67.0	Washington	13.9	0.2	14.6	14.8	14.0	06/11/07 09:44		20.0	457.20		
27.2	St. Charles	20.5	0.2	20.8	21.4	21.0	06/11/07 09:44		25.0	413.59	39.6	8-2-93
MERAMEC RIVER												
117.0	Sullivan	2.4	0.2						15.0	581.82	32.3	12-4-82
13.4	Union - Bourbeuse R.	1.9	0.1						15.0	488.58	33.8	12-5-82
50.5	Pacific	-0.6	-0.0						15.0	432.53	30.8	12-5-82
34.1	Eureka	2.5	0.0	2.8	4.1	4.5	06/11/07 09:44		18.0	404.18	45.56	1-21-91
14.1	Eynesville - Big R.	2.3	0.1						16.0	433.69	30.2	8-21-15
22.1	Valley Park	-2.3	-0.0						16.0	392.92	41.0	12-6-82
6.0	Arnold	14.8	0.1						24.0	373.21	45.3	8-1-93
OHIO RIVER												
42.8	Paducah	15.6	0.2						39.0	286.00	62.4	2-2-37
2.0	Cairo	20.0	-1.5						40.0	270.47	59.5	2-3&4-37
KASKASKIA RIVER												
135.7	Vandalia	2.7	-0.0						18.0	453.30	27.3	6-29-51
18.6	Red Bud (elev)	368.7	-0.2						374.0	300.00	394.3	8-6-93
0.8	L&D HW (elev)	368.9	-0.1						300.00	394.4	8-6-93	
0.8	L&D TW (elev)	364.9	-0.1						300.00	394.4	8-6-93	

dsf – day second feet,
averaged daily flow

cfs – cubic feet per second,
instantaneous reading

Lake	Midnight	24hr Chg	Storage Utilized		Precip (in.)	Yesterdays Inflow (dsf)	Controlled Outflow (cfs)		Seasonal Rule Curve (ft.)	Pool Forecast		Record Level	Record Date
	Pool Level (elev)		Consr	Flood			Midnight	Evening		Crest	Date		
Shelbyville	597.12	0.03	84.7	0.0	0.00	100	30	30	599.7		620.26	6-29-1974	
Carlyle	444.53	-0.03	95.1	0.0	0.00	100	70	70	445.0		459.80	5-18-2002	
Rend	406.52	-0.03	100.0	26.0	0.00	100	180	180	405.0		413.83	5-19-1995	
Wappapello	361.23	-0.28	100.0	7.7	0.07	310	1490	1340	359.74		399.09	4-16-1945	
Mark Twain	610.05	0.09	100.0	9.0	0.86	450	50	50	606.0		636.77	9-27-1993	



US Army Corps of Engineers®

Do you need to know current river conditions?



NEWSROOM ABOUT US RIVER & RESERVOIR GAGE READINGS CONTACT US KIDS CORNER



US Army Corps of Engineers®
St. Louis District



WATER CONTROL

**RELEVANT
READY
RESPONSIVE
RELIABLE**

Proudly serving the Armed Forces and the Nation now and in the future.

HOW DO I...

- » Obtain a regulatory permit?
- » Contract with the Corps?
- » Lease Corps Property?
- » Find St. Louis District lakes?
- » Make campground reservations?
- » Work for the Corps of Engineers?
- » Find a Corps Map?
- » Find Corps Publications?
- » Find other Corps of Engineers offices?

This link will give you current river conditions.

available on this server includes:



[ation](#)



[Environmental Pool Management](#)

[River and Reservoir Reports](#) - Corps of Engineers 6:00 A.M. Daily Readings, National Weather Service 3-Day River

Forecasts

- [River Gage Data, Current Conditions](#) - Plots, Tables, Descriptions
- [Lock & Dam Gate Report](#) - Table of L&D Gate Settings, Pool, and Tailwater Levels
- Project Flow Plots
 - Rivers: [Illinois](#) [Missouri](#) [Mississippi](#) [Meramec](#) [Tributaries](#)
 - Projects: [Carlyle](#) [Mark Twain](#) [Rend](#) [Shelbyville](#) [Wappapello](#)
- [Gage Precipitation](#) - 6 Hour Incremental Precipitation Table With Color Code
- [Gage Precipitation Totals](#) - 6, 12, 24, 36, & 72 Hour Cumulative Precipitation Table With Color Code
- [Historic Records](#) - Period of Record Levels and Discharges of the Mississippi River and Tributaries in the St. Louis District
- [Weather Information](#) - Various Weather Web Sites
- [Water Control Management District Boundaries](#) - District Map With Detailed Gage Locations

Navigation Notices:



Internet

River Gage Data: Current Conditions



US Army Corps of Engineers®



Jump to different River Basins using these links

- [Mississippi](#)
- [Ohio](#)
- [Salt](#)
- [Cuivre](#)
- [Illinois](#)
- [Missouri](#)
- [Meramec](#)
- [Kaskaskia](#)
- [Big Muddy](#)
- [Castor](#)
- [St. Francis](#)



Gage Stations positioned along the river.

Click the stage reading for a plot of the last four day's data.

Click the word (ie "STAGE") for a plot of the last 30 day's data.

Station	Time of Value (CDT)	Water Level (ft.)		Increment (in.)		30 Day Data	Flood Level
		Level	Last 24hr change	Last 6hr	Last 24hr		
HANNIBAL, MO	05-31-2007 10:00	12.18	0.22	0.03	0.24	STAGE ELEV PRECIP	16.00
LOCK AND DAM 22 (LOWER) SAVERTON, MO	05-31-2007 10:00	9.35	0.20	0.33	0.35	STAGE ELEV PRECIP	16.00
LOCK AND DAM 22 TEMPERATURE DATA		-	-	-	-	TEMP-WATER TEMP-AIR	-
MUNDY'S LANDING, MO		-	-	-	-	-	14.00
Manually Read Gage							
LOUISIANA, MO	05-31-2007 10:00	11.87	0.09	-	-	STAGE ELEV	15.00
LOCK AND DAM 24 (UPPER) CLARKSVILLE, MO	05-31-2007 10:00	448.03	0.04	-	-	STAGE ELEV	-
LOCK AND DAM 24 (LOWER) CLARKSVILLE, MO	05-31-2007 10:00	19.31	0.28	0.39	0.40	STAGE ELEV PRECIP	25.00
LOCK AND DAM 24 TEMPERATURE DATA		-	-	-	-	TEMP-WATER TEMP-AIR	-



US Army Corps of Engineers®

Would you like to know river conditions from previous years?



NEWSROOM ABOUT US RIVER & RESERVOIR GAGE READINGS CONTACT US KIDS CORNER



US Army Corps of Engineers®
St. Louis District



WATER CONTROL

**RELEVANT
READY
RESPONSIVE
RELIABLE**

Proudly serving the Armed Forces and the Nation now and in the future.

HOW DO I...

- » Obtain a regulatory permit?
- » Contract with the Corps?
- » Lease Corps Property?
- » Find St. Louis District lakes?
- » Make campground reservations?
- » Work for the Corps of Engineers?
- » Find a Corps Map?
- » Find Corps Publications?
- » Find other Corps of Engineers offices?

Water Management information available on this server includes:



[Information](#)



[Environmental Pool Management](#)

[ts](#) - Corps of Engineers 6:00 A.M. Daily Readings, National Weather Service 3-Day River

[Conditions](#) - Plots, Tables, Descriptions
[Table of L&D Gate Settings, Pool, and Tailwater Levels](#)

[Missouri](#) [Mississippi](#) [Meramec](#) [Tributaries](#)
[Mark Twain](#) [Rend](#) [Shelbyville](#) [Wappapello](#)

- [Gage Precipitation](#) - 6 Hour Incremental Precipitation Table With Color Code
- [Gage Precipitation Totals](#) - 6, 12, 24, 36, & 72 Hour Cumulative Precipitation Table With Color Code
- [Historic Records](#) - Period of Record Levels and Discharges of the Mississippi River and Tributaries in the St. Louis District
- [Weather Information](#) - Various Weather Web Sites
- [Water Control Management District Boundaries](#) - District Map With Detailed Gage Locations

This link will allow you to look through our historic records.

Navigation Notices:



Internet



US Army Corps
of Engineers ®

Historic Data



NEWSROOM

ABOUT US

RIVER & RESERVOIR GAGE READINGS

CONTACT US

KIDS CORNER

First, select the River that has the gage you are looking for.

WATER CONTROL

**RELEVANT
READY
RESPONSIVE
RELIABLE**

Proudly serving the Armed Forces and the Nation now and in the future.

- District Projects
- Navigation
- Lakes/Recreation
- » Emergency Operations
- » Centers of Expertise
- » Contracting
- » Office of Counsel
- » Small Business
- » Public Affairs
- » Job Opportunities
- » Real Estate
- » Water Control

Mississippi River	Illinois River	Missouri River	Kaskaskia River	Salt River
Cuivre River	Meremac River	Big Muddy River	St. Francis River	Ohio River

INTRODUCTION

This publication is a compilation of the calendar year observed daily river levels, computed daily flow rates, and stream flow measurements of the Mississippi River and its tributaries. Most stations are within the boundaries of the St. Louis Engineer District.

Traditionally, surveyors and mapmakers tried to simplify their task by using the average (or mean) sea level as the definition of zero elevation, because the sea surface is available worldwide. For this reason, the *zero surface* to which elevations or heights (including river levels) were referred was formerly called "Sea Level Datum of 1929" or "Mean Sea Level (msl)" in this series of reports.

The *zero surface* currently in use is the National Geodetic Vertical Datum of 1929 (NGVD). This datum was obtained by taking the average sea level over a period of about 19 years at 26 tidegauging stations along the Atlantic, Gulf of Mexico and Pacific Coasts.

Although the datum was derived using average tidal measurements, it is not meant to represent local mean sea level at any specific place or time. In addition, while NGVD represents a standard zero surface in both Canada and the United States, it should not be confused with *zero gage datum*.

In this publication, both the time of the readings and the *zero gage datum* of each gage appear directly over the tabulation. Central Standard Time/Daylight Savings Time is used. Stage readings occur daily at 8:00 AM and discharges are mean daily inflow or outflow estimates unless stated otherwise. The station mileages for the Mississippi River are the distances from the mouth of the Ohio. The station mileage for a tributary is generally measured from the mouth of the tributary.

The discharge or flow rate is the quantity of water flowing past a cross section of the stream in a unit of time, and is expressed in cubic feet per second (cfs). The location of the discharge range is given in the footnotes after the tabulation of observed discharges for each station.

DATA FILES AVAILABLE ON THIS SERVER

The files located on this server are organized by their DATREP ID (i.e. storage ID). To illustrate how the files can be downloaded or viewed, first navigate to the through the website until you find the gage of interest.

For example lets assume we are looking for the St. Louis gage records for the year 1984.



Historic Data



US Army Corps
of Engineers ®

NEWSROOM ABOUT US RIVER & RESERVOIR GAGE READINGS CONTACT US KIDS CORNER

US Army Corps of Engineers®
St. Louis District

**RELEVANT
READY
RESPONSIVE
RELIABLE**
Proudly serving the Armed Forces and the Nation now and in the future.

» Engineering » District Projects » Emergency Operations » Office of Counsel » Job Opportunities
» Construction » Navigation » Centers of Expertise » Small Business » Real Estate
» Contracting » Public Affairs » Water Control

Then, pick the location on that river.

Missouri River	Kaskaskia River	Salt River
Big Muddy River	St. Francis River	Ohio River

Mississippi River Basin - Historic Data

Location	Datrep ID	Type	River Mile	Gage Zero	Flood Level
L&D 22 TW - MISSISSIPPI	MI2Q	FLOW	301.20	-	-
L&D 22 TW - MISSISSIPPI	MI2T	STAGE	301.20	446.10	16.00
MOSIER LANDING - MISSISSIPPI	MIML	ELEV	260.30	400.00	441.00
MUNDYS LANDING (GAGE READER) - MISSISSIPPI	MIMU	STAGE	293.00	441.85	14.00
LOUISIANA - MISSISSIPPI	MILO	STAGE	282.90	437.33	15.00
24 POOL - MISSISSIPPI	MI4P	ELEV	273.50	421.81	-
24 TW - MISSISSIPPI	MI4T	ELEV	273.20	421.81	25.00
RIP RAP LANDING (GAGE READER) - MISSISSIPPI	MIRI	STAGE	265.00	426.03	17.00
STERLING LDG - MISSISSIPPI	MIST	ELEV	250.80	420.48	-
25 POOL - MISSISSIPPI	MI5P	ELEV	200.50	407.00	-
25 TW - MISSISSIPPI	MI5T	ELEV	241.20	407.00	433.00
DIXON LANDING (GAGE READER) - MISSISSIPPI	MIDL	STAGE	228.30	410.62	16.00
GRAFTON - MISSISSIPPI	MIGR	STAGE	218.60	403.79	18.00
ATTON MISSISSIPPI	MIAT	ELEV	202.00	400.00	-



US Army Corps
of Engineers ®

Historic Data



Finally, pick the
year you are
looking for.

ve/mi/mi2q

	<u>Last modified</u>	<u>Size</u>	<u>Description</u>
Parent Directory	22-Mar-2006 17:38	-	
mi2q_1986.pdf	23-Mar-2006 14:49	61k	
mi2q_1987.pdf	23-Mar-2006 14:49	61k	
mi2q_1988.pdf	23-Mar-2006 14:49	61k	
mi2q_1989.pdf	23-Mar-2006 14:49	61k	
mi2q_1990.pdf	23-Mar-2006 14:49	61k	
mi2q_1991.pdf	23-Mar-2006 14:49	60k	
mi2q_1992.pdf	23-Mar-2006 14:49	60k	
mi2q_1993.pdf	23-Mar-2006 14:49	60k	
mi2q_1994.pdf	23-Mar-2006 14:49	60k	
mi2q_1995.pdf	23-Mar-2006 14:49	60k	
mi2q_1996.pdf	23-Mar-2006 14:49	60k	
mi2q_1997.pdf	23-Mar-2006 14:49	60k	
mi2q_1998.pdf	23-Mar-2006 14:49	61k	
mi2q_1999.pdf	23-Mar-2006 14:49	60k	
mi2q_2000.pdf	23-Mar-2006 14:49	60k	
mi2q_2001.pdf	23-Mar-2006 14:49	60k	
mi2q_2002.pdf	23-Mar-2006 14:49	60k	
mi2q_2003.pdf	23-Mar-2006 14:49	60k	
mi2q_2004.pdf	23-Mar-2006 14:49	60k	
mi2q_2005.pdf	23-Mar-2006 14:49	59k	

Apache/1.3.33 Server at mvs-wc.mvs.usace.army.mil Port 80

Done



US Army Corps
of Engineers ®

Historic Data



Then the yearly record
for that gage will
appear in the following
format.

MISSISSIPPI - L&D 22 TW (MI2Q)

Location: LAT. 39-38-00, LONG. 91-15-00, SET IN THE RIGHT FACE OF THE CONCRETE INTERMEDIATE LOCK WALL AND AT MILE 301.2 ABOVE THE MOUTH OF THE OHIO RIVER.
Gage: STAFF GAGE FLOAT WELL AND G.O.E.S. TELEMETERED DATA COLLECTION PLATFORM LOCATED IN TAILWATER GAGE WELL. OWNED AND OPERATED BY THE CORPS OF ENGINEERS. MAINTAINED BY ST. LOUIS DISTRICT, CORPS OF ENGINEERS.
General Information: DRAINAGE AREA, 138,200 SQUARE MILES.
Records Available: FLOW, 1938 TO DATE, IN FILES OF CORPS OF ENGINEERS. NOTE: THE TERMS "TO DATE", "PERIOD OF RECORD", AND "TO PRESENT" REPRESENT DATA THROUGH DEC. 31 OF PREVIOUS YEAR FROM DATE PRINTED.
Mean Level: PERIOD OF RECORD, 135108 CFS. 01 JAN 1942 TO DATE, 135108 CFS.
Extreme Level: PERIOD OF RECORD, DAILY HIGH OF 351643 CFS ON 05 OCT 1986 & PERIOD OF RECORD, DAILY LOW OF 38866 CFS ON 25 JAN 1987.

MEAN DAILY FLOW IN THOUSANDS OF CFS:

Day	Month											
	January	February	March	April	May	June	July	August	September	October	November	December
1	83941		91683	196804	186590	258295	131157	117004	85405	260688	208974	121642
2		70387		194304	191355	245971	143682	121338	82440	276464	193671	124940
3	78161	61047	80799	192435	193386	235695	151809	120759	84123	294790	178655	121834
4	77744	60699	85089	189199	183529	221072	153737	119458	85633	335959	167025	109327
5	61521	70369	87484	188892	177743	202377	149587	117437	85000	351643	156561	106172
6		97150	93462	192884	174259	196303	144669	119114	85773	342181	140299	109095
7		101904	101291	201595	175924	194289	140219	121993	82472	323037	137070	110091
8	63164	98658	101370	209605	186283		137907	124672	76360	301888	136338	118671
9	65250	101617	89850	215155	190584	177592	146188	119169	75008	289402	129763	122813
10	66288	90956	93561	220497	183682	163426	172445	115275	73558	282282	126997	121611
11	61726	84815	108607	224454	179414	147222	204099	104820	72154	276815	125979	113154
12	64900		122768	226519	175924	137510	211352	104963	81295	271916	125543	94145
13	63093	66121	133806	228303	177638	136338	213090	95056	79338	267747	122497	60905
14	63579	60676	152695	231762	178565		221876	96886	88106	262917	118447	39613
15	62511	60930	154243	235859	184352	139858	218827	92251	91261	259319	116283	52484
16	62658	62485	149751	240811	187128	138830	191663	111538	89324	254555	116283	68426
17	63434		151146	243802	202145		160884	118302	88457	245637	101694	69150
18	61851	73454	153314	244135	241243	117581	138390	108102	99993	235861	103113	79189
19	67824	69554	149596	242471	284232	118302	125398	116427	93933	231762	109246	85382
20		70172	156718	238341	304040	119169	123076	118447	99144	228829	113836	85894



US Army Corps
of Engineers ®

Definitions



- **Crest** – the highest stage or level of a flood wave as it passes a point.
- **Cubic Feet per Second (cfs)** – the flow rate or discharge equal to one cubic foot of water per second or about 7.5 gallons per second.
- **Day Second Feet (dsf)** – an average of the cfs throughout the day, a volume equivalent to 1 cfs for 1 day, 86,400 ft³
- **Flood Level/Stage** – the stage at which overflow of the natural banks of a stream begins to cause damage in the reach in which the elevation is measured
- **Gage Zero** – the arbitrary "zero plane" from which all stage measurements are taken from. Usually set below the natural bottom of the channel so all stage height readings will be greater than zero
- **G.O.E.S. Telemetered Data Collection Platform** – This satellite-based system collects a variety of environmental data from locations in the western hemisphere.
- **National Geodetic Vertical Datum (NGVD)** – also known as mean sea level, is defined by the observed heights of 26 tide gauges, located around North America, and by the set of elevations of all bench marks, resulting from the adjustment.



US Army Corps
of Engineers ®

Definitions



- **Period of Record** – the record of the gage's data from the first to last day data was collected
- **Pressure Transducer** – An instrument component that detects a fluid pressure and produces an electrical signal related to the pressure. Also known as electrical pressure transducer.
- **River Mile** – just like a highway mile marker, there are mile markers along the river that start at 0 at the river's mouth and increases moving upstream.
- **Slope Gage** – an inclined staff gage. Typically placed on the slope of the river bank.
- **Staff Gage** – a simple non-recording gage that is either mounted vertical or inclined and can be used as a reference gage in a stream or river as an outside gage.
- **Stage** – the height of a water surface above an established "zero" plane, or datum
- **Wire Weight** – this gage obtains a manual reading of the river level by lowering a weight on a wire, that is mounted over the water surface, until it touches the water surface.