

Water-Data Report 2010

393619093074801 Yellow Creek nr Mendon MO, Hwy CC on Swan Lake NWR



Division of Biological Resources
Water Resources Branch

Water-Data Report 2010

393556093132501 Yellow Creek nr Mendon MO, Hwy CC on Swan Lake NWR

LOCATION: Lat. 39°36'19"N, long. 93°07'48"W near Swan Lake NWR, 23.5 miles southeast of Chillicothe, MO, in Charlton County. Gage is mounted 9 feet off the ground on a tree in the woods downstream of the bridge on the left bank.

DRAINAGE AREA: 414 square miles

SURFACE WATER RECORDS

PERIOD OF RECORD: June 24, 2010 to present.

GAGE SITE: Sutron Monitor 1 in metal gage housing in communication with a KPSI submersible pressure transducer mounted on a fencepost in the streambed near old railroad bridge. Instruments are powered by a solar panel run to a battery inside the gage housing. Stage data are collected at 15 minute intervals. Datum of gage is in North American Vertical Datum of 1988.

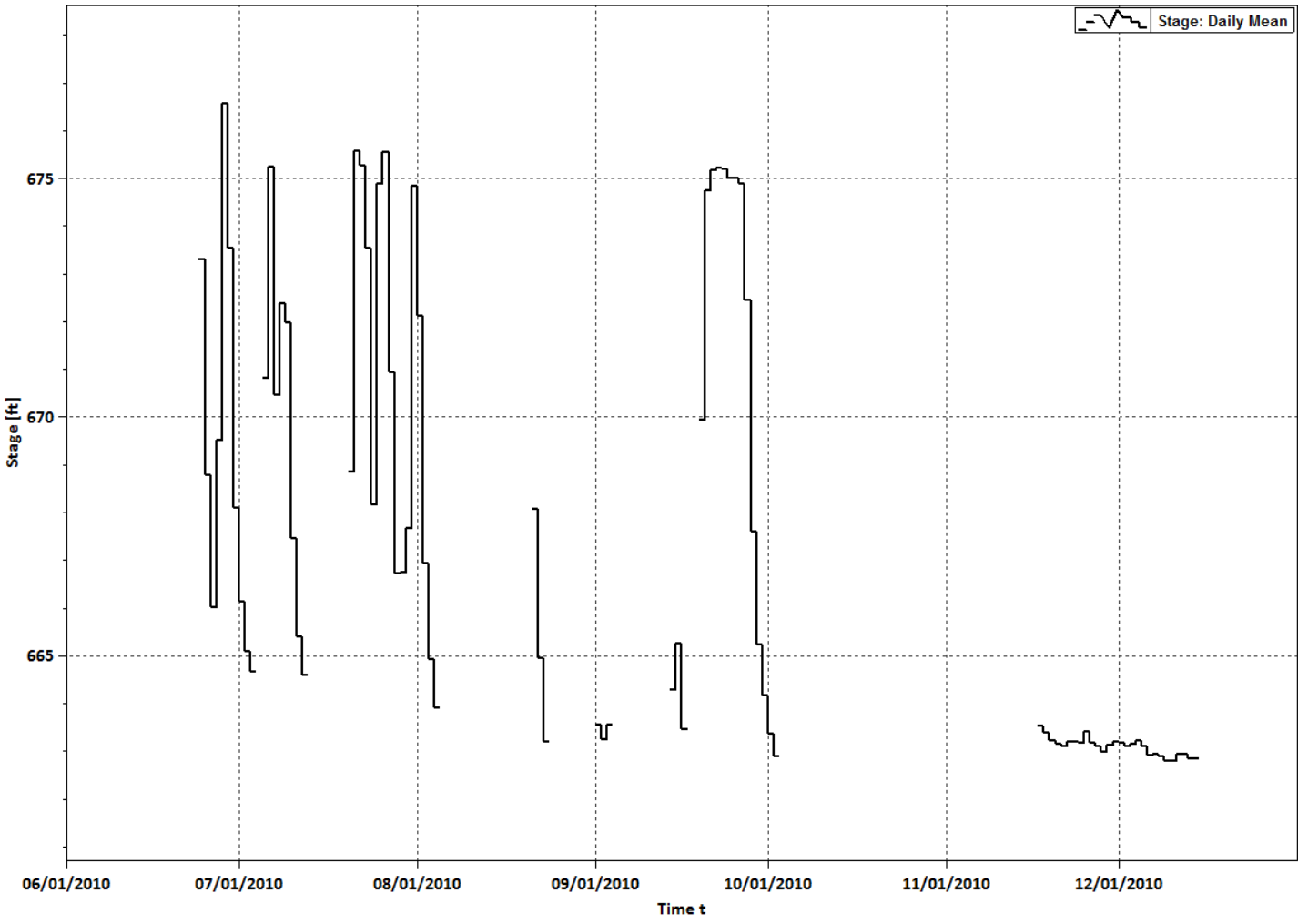
NATIONAL WILDLIFE REFUGE: Swan Lake NWR

REMARKS: Records coded poor for 2010 calendar year.

EXTREMES FOR PERIOD OF RECORD: Maximum gage height, 676.81 ft, June 28, 2010; minimum gage height, 662.39 ft, Dec 10, 2010.

EXTREMES FOR CURRENT YEAR: Maximum gage height, 676.81 ft, June 28; minimum gage height, 662.39 ft, December 10.

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WATER TEMPERATURE RECORDS

PERIOD OF RECORD: June 24, 2010 to present.

INSTRUMENTATION: Sutron Monitor 1 in metal gage housing in communication with a KPSI submersible pressure transducer mounted on a fencepost. Water temperature data are collected at hourly intervals.

REMARKS: Records coded POOR for 2010 calendar year.

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WATER TEMPERATURE [°C]

Day	July			August			September			October			November			December		
	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean
1	24.40	26.20	25.17	24.70	26.00	25.38	20.70	24.20	22.40	17.20	18.10	17.63	7.10	13.20	9.35	4.30	5.10	4.64
2	24.30	26.20	25.07	26.00	27.60	26.63	22.70	23.50	23.22	13.50	17.50	16.70	3.70	13.40	7.66	4.00	4.30	4.14
3	19.60	28.60	24.51	27.00	29.30	27.95	15.70	22.70	21.90	6.00	18.20	10.02	2.00	16.70	7.77	3.70	4.00	3.86
4	22.90	29.20	25.23	28.10	29.50	28.90	12.40	22.90	16.11	5.30	20.00	9.51	2.00	11.80	7.00	3.50	3.90	3.76
5	22.80	25.70	24.12	23.40	28.50	26.00	13.90	25.30	19.12	6.50	21.50	11.35	-1.00	7.90	2.81	3.00	3.50	3.29
6	24.30	25.10	24.59	20.90	27.90	24.09	17.90	29.10	22.73	8.40	23.10	13.94	-1.40	11.90	4.20	2.60	3.00	2.72
7	25.00	25.40	25.19	20.50	29.80	24.94	15.20	25.00	19.59	9.80	22.80	14.49	3.10	17.90	8.65	2.40	2.60	2.44
8	24.00	25.70	24.77	22.90	31.90	27.01	13.40	24.60	18.44	9.20	25.20	15.67	7.20	18.70	10.96	2.30	2.40	2.37
9	24.60	24.90	24.73	24.70	32.40	28.00	17.80	23.20	19.63	13.50	25.90	17.51	8.00	20.20	12.74	2.30	2.40	2.33
10	24.80	26.30	25.34	26.00	32.00	28.92	17.90	22.70	19.66	12.70	22.30	16.90	9.60	19.80	14.19	2.20	2.40	2.32
11	24.70	25.60	25.10	22.70	31.30	26.97	16.00	25.10	19.40	15.10	17.80	16.27	7.30	12.10	9.36	2.20	2.40	2.37
12	23.90	25.20	24.56	24.30	31.70	28.04	14.10	23.80	18.80	13.50	22.40	17.13	7.60	12.20	9.92	2.00	2.60	2.23
13	21.30	29.70	25.00	23.10	32.90	27.71	17.90	26.00	21.30	9.40	17.90	14.28	1.60	11.60	5.48	2.00	2.10	2.03
14	24.30	31.80	27.77	22.40	29.50	25.44	17.60	21.50	20.48	7.10	19.60	12.54	0.10	10.10	2.93	2.10	2.10	2.10
15	23.00	29.90	25.94	21.30	27.50	24.15	20.70	21.80	21.30	7.80	16.90	11.93	2.60	12.30	6.23	---	---	---
16	21.50	29.00	25.39	19.00	27.90	22.82	15.80	20.90	19.67	7.80	23.60	14.42	1.20	10.60	4.89	---	---	---
17	23.60	32.30	27.58	21.10	24.50	22.52	13.60	25.50	18.23	8.80	18.90	13.62	0.70	7.90	4.11	---	---	---
18	22.60	30.50	26.22	20.00	27.00	23.06	18.20	26.10	21.15	8.20	17.50	12.63	7.50	7.90	7.69	---	---	---
19	22.70	30.70	26.24	20.00	29.30	24.60	17.90	20.50	19.53	4.70	16.10	9.45	7.00	7.50	7.20	---	---	---
20	20.90	27.10	24.51	22.20	31.20	24.71	19.40	21.90	20.45	7.10	19.00	11.79	7.00	7.30	7.15	---	---	---
21	22.80	24.40	23.49	22.40	25.10	23.94	21.60	22.70	22.07	6.80	15.60	10.44	7.30	8.50	7.74	---	---	---
22	24.40	26.40	25.09	24.70	26.70	25.58	20.80	22.60	21.35	8.10	20.70	13.64	8.50	9.40	9.00	---	---	---
23	26.40	27.80	26.93	21.70	26.70	25.17	20.70	22.00	21.10	14.20	23.30	17.65	8.50	9.40	8.99	---	---	---
24	27.80	29.20	28.40	16.70	25.30	21.55	21.10	22.00	21.35	13.30	19.60	16.51	7.90	8.50	8.14	---	---	---
25	24.70	28.00	25.34	14.10	23.90	18.88	18.70	21.10	19.86	12.10	21.90	16.83	6.70	7.90	7.42	---	---	---
26	25.30	26.20	25.61	14.80	25.10	19.73	17.40	18.70	17.83	10.00	20.20	13.50	5.50	6.70	5.97	---	---	---
27	26.10	27.00	26.50	16.10	26.70	20.72	16.50	17.50	16.85	6.70	16.70	11.11	5.00	5.50	5.22	---	---	---
28	27.00	29.00	27.91	15.90	27.90	21.20	16.60	17.40	16.96	3.20	10.80	6.73	4.70	5.00	4.82	---	---	---
29	26.50	28.70	27.78	20.70	30.70	24.94	16.70	18.00	17.29	0.90	14.20	6.43	4.80	5.60	5.20	---	---	---
30	24.20	27.30	26.58	21.20	30.00	25.07	17.10	18.40	17.73	6.20	17.80	9.72	5.10	5.70	5.46	---	---	---
31	23.80	24.70	24.10	22.40	29.00	25.39				4.60	13.10	8.78				---	---	---
Monthly Average	24.01	27.54	25.64	21.65	28.54	24.84	17.53	22.56	19.85	8.96	19.30	13.20	4.90	10.77	7.28	---	---	---

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SUMMARY STATISTICS

	Calendar Year 2010	Period of Record (2010)#
Minimum Unit Value [°C]	-1.40 (Nov 6)	-1.40 (Nov 6, 2010)
Maximum Unit Value [°C]	32.90 (Aug 13)	32.90 (Aug 13, 2010)
Median of Daily Mean [°C]	19.47	19.47

#See Period of Record; partial year used in monthly and annual statistics

