Water-Data Report 2011

07057500 NORTH FORK RIVER NEAR TECUMSEH, MO

Upper White Basin
North Fork White Subbasin

LOCATION.--Lat 36°37'22.9", long 92°14'53.3" referenced to North American Datum of 1983, in NE ¼ SE ¼ sec.35, T.23 N., R.12 W., Ozark County, MO, Hydrologic Unit 11010006, on right bank 3.2 mi downstream from Spring Creek, 3.5 mi northeast of Tecumseh.

DRAINAGE AREA.--561 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1944 to current year.

GAGE.--Water-stage recorder. Datum of gage is 584.67 ft above National Geodetic Vertical Datum of 1929 (levels by the U.S. Army Corps of Engineers). Prior to May 12, 1945, nonrecording gage at same site and datum 0.22 ft lower.

REMARKS.--No estimated daily discharges. Water-discharge records good.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 81,000 ft^3/s, Apr. 26, gage height, 24.58 ft; minimum discharge, 307 ft^3/s, Jan. 31, Feb. 1, gage height, 2.35 ft.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 07057500, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/07057500.2011.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	394	352	410	337	333	758	758	3,260	1,280	684	469	385
2	388	345	407	333	359	729	712	8,500	1,210	662	460	383
3	383	343	400	332	351	658	672	5,840	1,160	646	451	380
4	378	341	389	330	340	611	652	4,130	1,110	649	450	380
5	374	337	383	327	342	729	619	3,310	1,070	720	456	376
6	374	334	371	327	340	1,080	594	2,880	1,040	790	506	369
7	373	332	364	327	335	917	571	2,700	1,010	691	498	369
8	369	334	362	327	332	818	556	2,570	987	700	494	367
9	369	337	358	327	332	856	547	2,240	960	677	492	364
10	369	337	358	327	330	976	541	2,010	940	642	480	364
11	371	337	358	326	325	862	618	1,800	924	615	465	364
12	373	337	357	322	322	778	1,040	1,630	1,140	599	453	364
13	369	337	349	319	322	722	983	1,660	1,070	592	442	362
14	366	337	343	312	322	848	860	1,520	996	584	437	360
15	364	337	343	312	323	1,310	1,240	1,390	954	578	428	361
16	364	337	343	312	329	1,200	2,030	1,300	903	565	463	358
17	362	337	343	313	334	1,020	1,490	1,220	871	549	513	385
18	358	342	343	322	337	909	1,220	1,160	848	539	510	404
19	358	339	340	322	337	814	1,080	1,110	826	530	465	413
20	358	337	337	322	337	751	1,440	1,090	804	524	458	396
21	358	334	337	321	340	707	1,330	1,450	787	519	456	379
22	356	336	336	317	341	670	2,410	1,460	770	514	436	380
23	351	347	332	317	335	646	5,610	1,720	746	507	428	381
24	348	352	332	317	424	614	21,600	4,450	734	499	424	378
25	350	390	332	314	791	594	23,700	3,410	729	499	422	377
26	362	448	330	312	923	829	40,500	2,850	718	495	416	432
27	360	440	327	312	768	1,050	10,800	2,250	706	491	407	435
28	353	413	327	312	703	1,050	8,700	1,980	742	481	402	410
29	353	412	330	312	---	943	4,990	1,760	735	473	398	390
30	353	414	332	312	---	862	3,770	1,550	705	470	395	379
31	353	---	335	309	---	802	---	1,390	---	472	389	---
Mean	365	355	352	320	404	842	4,721	2,438	916	579	450	382
Max	394	448	410	337	923	1,310	40,500	8,500	1,280	790	513	435
Min	348	332	327	309	322	594	541	1,090	705	470	389	358
In.	0.75	0.71	0.72	0.66	0.75	1.73	9.39	5.01	1.82	1.19	0.93	0.76

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	420	638	688	717	849	1,074	1,300	1,157	734	528	407	422
Max	1,637	2,751	2,842	2,322	2,872	3,824	4,721	3,044	2,515	1,632	889	2,093
(WY)	(2010)	(1986)	(1983)	(1950)	(1985)	(2008)	(2011)	(2002)	(1945)	(1951)	(1958)	(1993)
Min	214	224	223	201	261	290	359	343	276	239	204	193
(WY)	(1957)	(1955)	(1956)	(1956)	(1964)	(1981)	(2000)	(2001)	(1954)	(1954)	(1954)	(1954)

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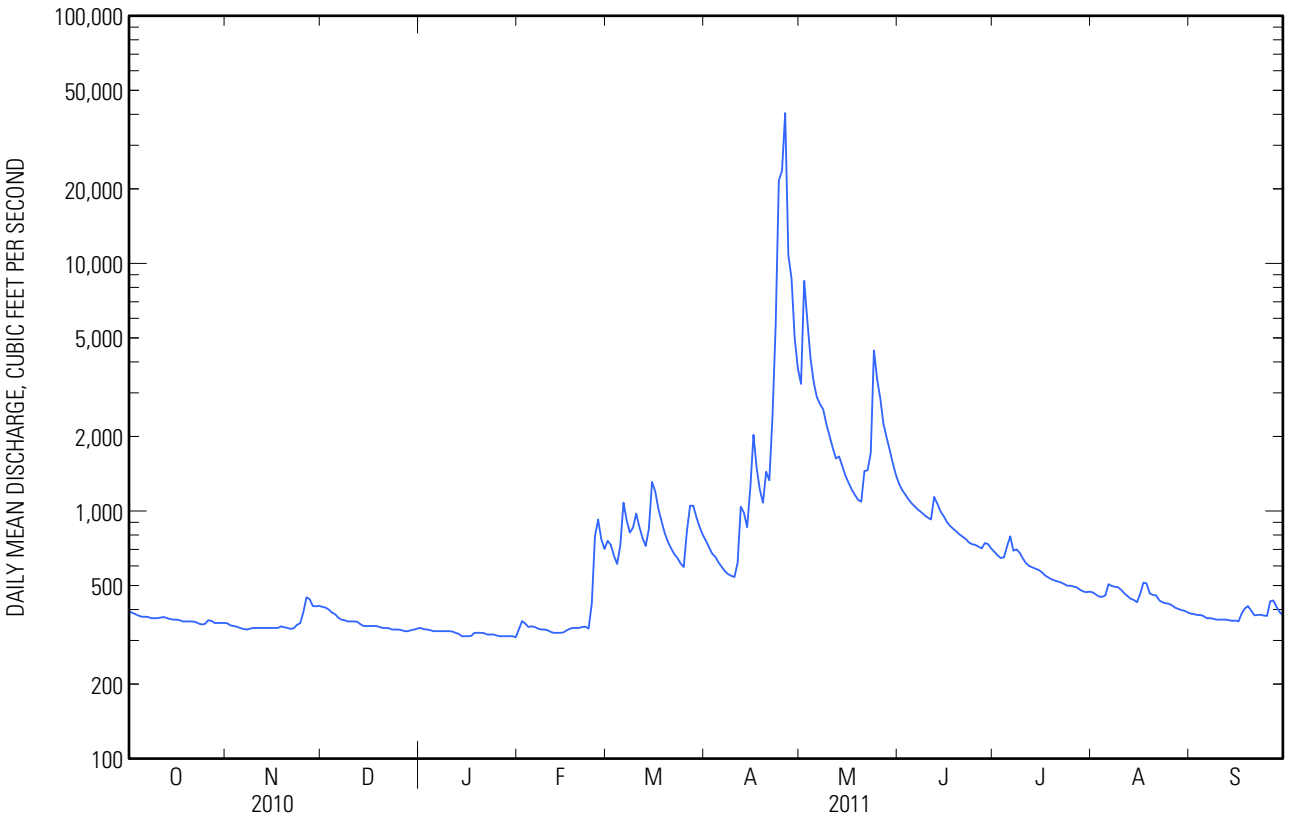
SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1945 - 2011	
Annual mean	688		1,009		743	
Highest annual mean					1,555	1985
Lowest annual mean					299	1954
Highest daily mean	3,050	Jan 24	40,500	Apr 26	45,100	Nov 19, 1985
Lowest daily mean	327	Dec 27[a]	309	Jan 31	187	Sep 15, 1954
Annual seven-day minimum	330	Dec 23	312	Jan 25	188	Sep 12, 1954
Maximum peak flow			81,000	Apr 26	133,000	Nov 19, 1985
Maximum peak stage			24.58	Apr 26	28.10	Nov 19, 1985
Instantaneous low flow			307	Jan 31[b]	187	Sep 14, 1954
Annual runoff (inches)	16.65		24.42		18.00	
10 percent exceeds	1,270		1,410		1,310	
50 percent exceeds	542		428		496	
90 percent exceeds	343		330		292	

[a] Also Dec 28
[b] Also Feb 1



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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
OBSERVATION AT 0800
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.56	2.46	2.55	2.41	2.36	3.07	3.09	5.30	3.84	3.01	2.68	2.53
2	2.55	2.45	2.54	2.40	2.45	3.06	3.02	9.73	3.76	2.98	2.67	2.53
3	2.54	2.44	2.53	2.40	2.44	2.95	2.96	7.37	3.71	2.96	2.65	2.52
4	2.53	2.44	2.51	2.40	2.42	2.88	2.94	6.10	3.67	2.94	2.64	2.52
5	2.52	2.43	2.50	2.39	2.42	2.96	2.89	5.46	3.62	2.99	2.65	2.52
6	2.52	2.43	2.49	2.39	2.42	3.52	2.85	5.11	3.59	3.18	2.74	2.50
7	2.52	2.42	2.46	2.39	2.41	3.31	2.82	4.83	3.56	3.02	2.73	2.50
8	2.51	2.42	2.46	2.39	2.40	3.17	2.79	4.88	3.54	3.04	2.73	2.50
9	2.51	2.42	2.45	2.39	2.40	3.16	2.78	4.63	3.50	3.01	2.72	2.49
10	2.51	2.42	2.45	2.39	2.40	3.39	2.77	4.46	3.48	2.95	2.70	2.49
11	2.51	2.42	2.45	2.39	2.39	3.23	2.83	4.28	3.46	2.91	2.67	2.49
12	2.51	2.42	2.45	2.38	2.38	3.12	3.48	4.14	3.67	2.89	2.66	2.49
13	2.50	2.42	2.43	2.38	2.38	3.04	3.39	4.08	3.50	2.88	2.63	2.49
14	2.50	2.42	2.42	2.36	2.38	3.08	3.23	4.05	3.42	2.86	2.63	2.48
15	2.49	2.42	2.42	2.36	2.38	3.75	3.48	3.94	3.38	2.86	2.61	2.49
16	2.49	2.42	2.42	2.36	2.39	3.64	4.52	3.86	3.30	2.84	2.63	2.48
17	2.49	2.42	2.42	2.36	2.40	3.43	3.94	3.78	3.26	2.81	2.74	2.48
18	2.48	2.43	2.42	2.38	2.41	3.30	3.66	3.72	3.23	2.80	2.73	2.55
19	2.48	2.42	2.42	2.38	2.41	3.17	3.48	3.66	3.21	2.78	2.67	2.58
20	2.48	2.42	2.41	2.38	2.41	3.08	3.78	3.62	3.18	2.77	2.67	2.55
21	2.48	2.42	2.41	2.38	2.41	3.02	3.77	3.80	3.15	2.76	2.66	2.52
22	2.48	2.41	2.41	2.37	2.42	2.97	4.05	4.02	3.13	2.76	2.63	2.51
23	2.47	2.43	2.40	2.37	2.41	2.93	5.80	3.94	3.10	2.74	2.61	2.52
24	2.46	2.44	2.40	2.37	2.47	2.89	17.36	6.65	3.07	2.73	2.60	2.52
25	2.46	2.50	2.40	2.37	e3.16	2.86	12.99	5.54	3.07	2.74	2.60	2.52
26	2.48	2.61	2.40	2.36	e3.34	2.84	23.07	5.11	3.06	2.72	2.59	2.52
27	2.48	2.61	2.39	2.36	3.11	3.43	10.02	4.65	3.04	2.72	2.57	2.63
28	2.46	2.55	2.39	2.36	3.00	3.46	9.94	4.42	3.17	2.70	2.56	2.59
29	2.46	2.54	2.39	2.36	---	3.33	6.78	4.26	3.09	2.69	2.56	2.55
30	2.46	2.55	2.40	2.36	---	3.23	5.83	4.08	3.04	2.68	2.55	e2.52
31	2.46	---	2.40	2.36	---	3.14	---	3.94	---	2.68	2.54	---
Mean	2.50	2.45	2.44	2.38	2.51	3.17	5.48	4.76	3.36	2.85	2.65	2.52
Max	2.56	2.61	2.55	2.41	3.34	3.75	23.07	9.73	3.84	3.18	2.74	2.63
Min	2.46	2.41	2.39	2.36	2.36	2.84	2.77	3.62	3.04	2.68	2.54	2.48