06906300 EAST FORK LITTLE CHARITON RIVER NEAR HUNTSVILLE, MO

Lower Missouri Basin
Chariton Subbasin

LOCATION.--Lat 39°27'17.7", long 92°34'06.6" referenced to North American Datum of 1983, in NW ¼ NW ¼ NW ¼ sec.26, T.54 N., R.15 W., Randolph County, MO, Hydrologic Unit 10280203, on right bank at downstream end of bridge on State Highway C, 1.0 mi downstream from Sugar Creek, and 1.5 mi northwest of Huntsville.

DRAINAGE AREA.--220 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1962 to current year. Occasional low-flow measurements, water years 1942-43, 1945-46.

GAGE.--Water-stage recorder. Datum of gage is 655.86 ft above National Geodetic Vertical Datum of 1929 (levels by the Missouri State Highway and Transportation Commission). Oct. 29, 1962 to July 18, 1972, on former bridge, at same datum; July 18, 1972 to Sept. 23, 1974, at datum 0.63 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow slightly regulated by Long Branch Reservior (station 06906190).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,000 ft^3/s, Apr. 21, 1973; gage height, 20.78 ft, former datum.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,700 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 22	1800	*3,510	*14.22

Minimum discharge, 4.2 ft^3/s, Sept. 8, 22, 23, 28, 29, gage height, 2.57 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 06906300, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/06906300.2011.pdf

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	195	65	63	84	e31	e987	135	300	245	242	58	52
2	179	66	62	77	e30	594	143	278	212	226	57	52
3	162	66	61	35	e31	458	110	251	210	211	56	34
4	147	65	61	31	e31	480	302	227	200	206	55	10
5	141	66	60	26	e32	705	185	207	185	188	59	6.6
6	133	66	e59	26	e31	482	137	203	171	172	60	6.3
7	120	67	e59	26	e32	407	122	182	154	158	57	6.3
8	111	67	e58	31	e31	396	125	166	140	153	55	5.9
9	105	67	e58	21	e27	638	794	152	129	141	56	5.4
10	99	67	e47	21	e24	474	406	141	121	130	55	6.1
11	95	63	27	22	e22	400	217	138	174	121	52	7.2
12	91	73	22	25	e21	354	164	135	220	112	55	6.0
13	84	84	23	27	e21	317	142	129	208	104	53	5.2
14	81	70	19	27	e21	292	126	123	193	98	55	5.0
15	79	67	21	28	e22	269	216	137	175	91	56	5.6
16	77	65	23	27	e20	e260	274	233	162	88	51	5.7
17	74	64	22	27	e20	e250	193	142	e158	83	55	7.2
18	73	63	22	32	e7.9	e240	164	119	e151	80	56	10
19	71	63	22	30	e88	e230	172	108	e187	76	57	9.1
20	70	63	24	28	e110	e220	173	113	e246	73	55	8.7
21	68	64	28	31	e109	e215	147	161	189	70	56	7.1
22	68	65	26	31	e110	e210	1,840	145	158	68	55	5.5
23	70	63	24	34	111	e208	1,300	137	139	65	54	4.6
24	72	64	24	33	103	188	552	121	126	64	54	5.2
25	70	67	25	32	122	170	495	2,080	123	62	54	5.8
26	71	63	23	33	110	203	839	1,980	128	61	54	5.8
27	69	62	23	32	e107	169	615	596	e363	58	53	6.2
28	67	62	22	32	e2,830	146	440	380	303	56	53	4.9
29	66	64	23	e32	---	145	371	318	286	58	53	6.0
30	67	70	34	e34	---	171	328	253	265	66	53	5.6
31	67	---	89	e32	---	153	---	242	---	65	53	---
Mean	94.9	66.0	37.2	32.5	152	336	374	319	191	111	55.0	10.4
Max	195	84	89	84	2,830	987	1,840	2,080	363	242	60	52
Min	66	62	19	21	7.9	145	110	108	121	56	51	4.6
In.	0.50	0.33	0.20	0.17	0.72	1.76	1.90	1.67	0.97	0.58	0.29	0.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2011[a], BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	108	133	139	105	163	239	264	340	265	253	140	126
Max	1,019	756	666	428	732	945	935	1,403	836	1,709	698	864
(WY)	(1987)	(1986)	(1983)	(2005)	(1985)	(1985)	(1983)	(2002)	(2008)	(2008)	(2008)	(2008)
Min	6.44	2.66	4.95	6.48	7.59	10.6	10.2	12.1	2.56	5.34	3.64	2.70
(WY)	(1981)	(1981)	(1989)	(1989)	(1989)	(1989)	(1989)	(1988)	(1988)	(1989)	(1980)	(1988)

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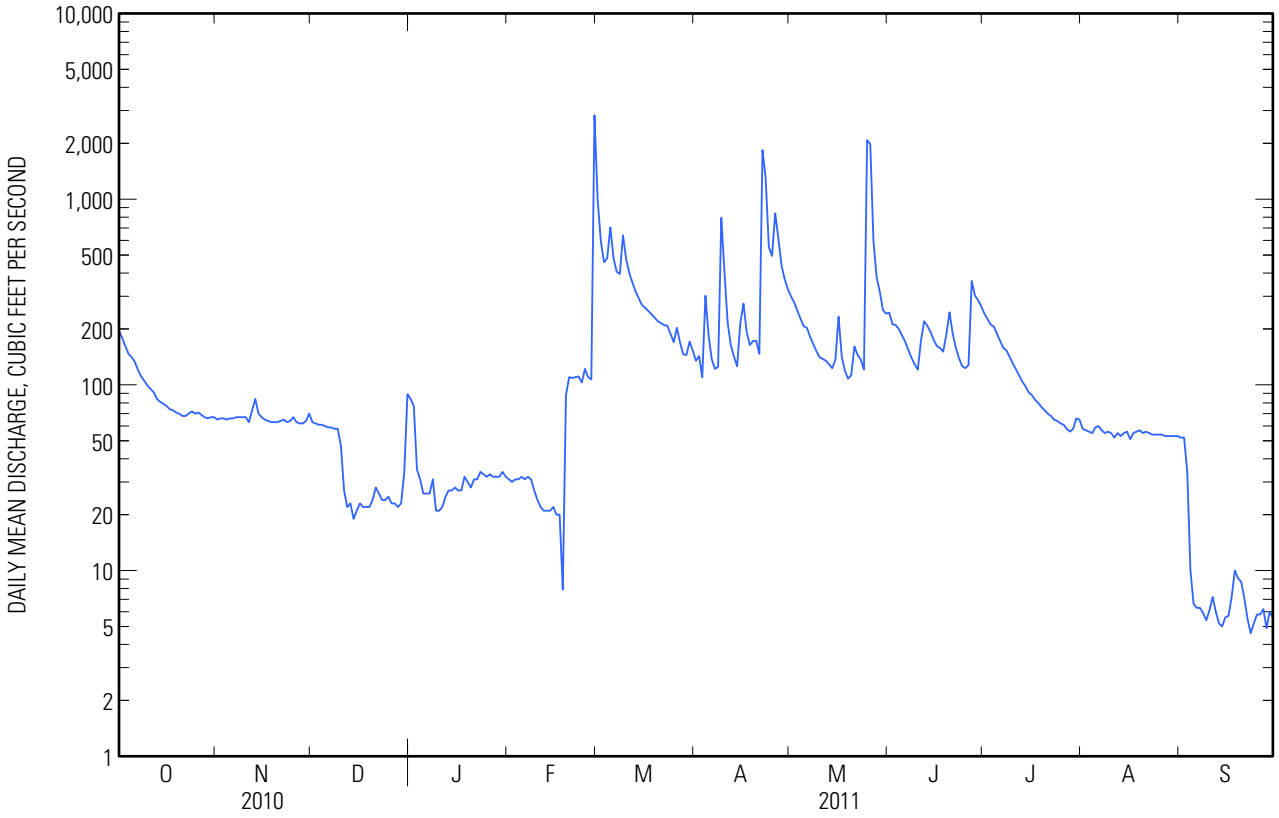
SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1979 - 2011[a]	
Annual mean	379		148		190	
Highest annual mean					472	2010
Lowest annual mean					17.3	1989
Highest daily mean	4,060	Apr 25	2,830	Feb 28	8,030	Jul 25, 2008
Lowest daily mean	19	Dec 14	4.6	Sep 23	0.00	Many Years
Annual seven-day minimum	22	Dec 12	5.4	Sep 22	0.40	Oct 9, 1980
Maximum peak flow			[b]3,510	Apr 22	11,200	Jul 25, 2008
Maximum peak stage			[c]14.22	Apr 22	18.46	Jul 25, 2008
Instantaneous low flow			4.2	Sep 8[d]	0.00	Many Years
Annual runoff (inches)	23.41		9.14		11.72	
10 percent exceeds	800		281		402	
50 percent exceeds	219		70		66	
90 percent exceeds	63		21		9.9	

[a] Period of Regulated Streamflow
[b] Maximum computed may have been higher during period of missing record on Feb 28
[c] Maximum recorded may have been higher during period of missing record on Feb 28
[d] Also Sep 22, 23, 28, 29



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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	3.98	3.23	3.22	3.36	---	---	3.68	4.48	4.20	4.22	3.05	3.01
2	3.91	3.24	3.20	3.56	---	5.74	3.57	4.38	4.01	4.12	3.03	3.00
3	3.82	3.23	3.20	2.97	---	5.23	3.49	4.27	4.00	4.03	3.03	2.95
4	3.72	3.23	3.20	2.99	---	4.85	4.58	4.15	3.97	4.02	3.03	2.67
5	3.66	3.23	3.18	2.88	---	6.25	3.98	4.03	3.89	3.91	3.05	2.61
6	3.65	3.23	e3.18	2.88	---	5.26	3.66	4.03	3.82	3.82	3.05	2.60
7	3.57	3.25	e3.17	2.92	---	4.95	3.60	3.91	3.73	3.74	3.04	2.60
8	3.52	3.24	e3.17	3.07	---	4.75	3.59	3.83	3.65	3.70	3.03	2.60
9	3.48	3.24	e3.16	2.87	---	5.97	5.24	3.76	3.59	3.64	3.03	2.59
10	3.45	3.24	e3.15	2.87	---	5.23	5.02	3.68	3.54	3.56	3.03	2.59
11	3.42	3.19	2.92	2.87	---	4.90	4.13	3.65	3.72	3.50	2.93	2.61
12	3.40	3.25	2.84	2.90	---	4.72	3.84	3.66	4.08	3.46	3.02	2.60
13	3.36	3.39	2.90	2.93	---	4.56	3.70	3.63	4.01	3.39	2.99	2.59
14	3.34	3.27	2.85	2.94	---	4.43	3.59	3.59	3.94	3.35	3.02	2.58
15	3.32	3.24	2.88	2.94	---	---	3.58	3.58	3.84	3.27	3.04	2.59
16	3.31	3.23	2.90	2.94	---	---	4.40	4.37	3.77	3.28	2.95	2.59
17	3.29	3.22	2.89	2.93	---	---	3.98	3.71	---	3.25	3.03	2.61
18	3.28	3.22	2.88	2.97	---	---	3.83	3.57	---	3.22	3.04	2.66
19	3.27	3.21	2.89	2.97	---	---	3.76	3.50	---	3.19	3.04	2.64
20	3.26	3.21	2.90	---	---	---	3.89	3.45	---	3.17	3.03	2.64
21	3.25	3.22	2.93	---	---	---	3.72	3.89	3.92	3.14	3.03	2.61
22	3.25	3.22	2.90	2.97	---	---	3.78	3.65	3.76	3.12	3.02	2.60
23	3.25	3.22	2.91	2.99	3.52	---	8.26	3.67	3.65	3.11	3.02	2.57
24	3.27	3.20	2.90	2.98	3.46	3.95	5.57	3.56	3.58	3.09	3.02	2.58
25	3.26	3.25	2.91	2.98	3.57	3.79	5.01	11.43	3.50	3.08	3.02	2.60
26	3.27	3.21	2.87	2.99	3.50	4.05	6.33	11.75	3.57	3.07	3.01	2.60
27	3.26	3.21	2.90	2.98	---	3.86	5.81	5.74	---	3.06	3.02	2.61
28	3.24	3.21	2.89	2.98	---	3.70	5.10	4.83	4.43	3.04	3.01	2.58
29	3.23	3.22	2.87	---	---	3.68	4.79	4.60	4.42	3.05	3.01	2.60
30	3.24	3.28	2.97	---	---	3.88	4.61	4.26	4.33	3.06	3.01	2.60
31	3.24	---	3.07	---	---	3.77	---	4.05	---	3.12	3.02	---
Mean	3.41	3.23	2.99	---	---	---	4.40	4.47	---	3.41	3.02	2.64
Max	3.98	3.39	3.22	---	---	---	8.26	11.75	---	4.22	3.05	3.01
Min	3.23	3.19	2.84	---	---	---	3.49	3.45	---	3.04	2.93	2.57