03151400 LITTLE KANAWHA RIVER NEAR WILDCAT, WV

Upper Ohio-Little Kanawha Basin
Little Kanawha Subbasin

LOCATION.--Lat 38°44′36″, long 80°31′32″ referenced to North American Datum of 1927, Braxton County, WV, Hydrologic Unit 05030203, on right bank on State Secondary Route 24/1, 200 ft upstream from footbridge at Gregory, 3.9 mi west of Wildcat, and at mile 141.

DRAINAGE AREA.--112 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--December 1973 to September 1983, and October 1985 to current year (daily discharge and peaks).

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 849.39 ft above NAVD 88 (850.0 ft above NGVD 29).

REMARKS.--Records good except those for periods of estimated daily discharges (ice effect), which are poor.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,200 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 1	0900	2,720	8.91
Feb 28	2300	*3,570	*9.83
Mar 11	0230	2,690	8.87
Mar 24	1000	3,280	9.53
Apr 13	0630	2,570	8.73

Minimum discharge, 1.6 ft^3/s, Sept. 5, gage height, 3.78 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 03151400, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/03151400.2011.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	58	31	1,820	742	435	2,030	176	302	85	15	5.6	3.2
2	40	25	787	707	1,700	781	242	224	68	11	4.5	2.6
3	22	21	396	447	868	429	312	172	50	9.2	3.6	2.3
4	29	48	268	321	456	293	336	211	38	121	3.0	2.0
5	49	175	206	242	332	224	1,430	182	52	117	2.8	2.2
6	74	139	164	192	349	685	1,120	163	47	64	4.3	75
7	121	105	144	164	279	812	576	147	33	37	7.9	119
8	76	86	128	142	247	663	393	129	27	45	13	58
9	47	72	119	116	188	966	334	107	23	159	36	33
10	32	57	113	e105	169	1,480	296	86	29	90	43	23
11	23	46	113	e97	e160	1,970	265	155	37	52	22	18
12	18	38	291	90	e150	862	490	483	115	48	12	14
13	15	32	628	80	140	523	2,130	600	81	39	8.2	10
14	16	29	382	71	130	362	1,010	370	47	45	6.4	8.0
15	29	30	271	69	128	276	535	251	32	38	6.1	8.5
16	37	45	e220	72	124	232	542	195	25	24	8.1	25
17	35	283	e180	71	134	181	715	292	29	17	15	22
18	28	224	148	116	165	156	513	907	31	13	10	14
19	24	159	128	373	177	468	392	748	84	18	7.2	10
20	21	119	117	470	133	451	316	546	327	35	5.3	12
21	18	93	e105	357	133	366	235	426	183	20	14	32
22	15	75	e96	258	342	1,370	200	306	127	13	49	28
23	15	68	e90	e220	367	1,090	633	217	91	9.4	24	22
24	14	68	e87	197	335	2,260	760	369	68	7.3	13	23
25	14	57	e84	194	1,260	1,090	634	370	51	15	9.1	22
26	15	184	e82	299	816	558	457	246	39	76	8.5	19
27	123	313	e81	498	484	369	355	407	32	35	7.5	275
28	122	207	e80	380	1,440	264	864	670	30	18	6.5	138
29	72	146	e80	305	---	202	694	285	27	12	5.3	100
30	49	132	135	320	---	167	436	172	21	8.8	4.5	74
31	39	---	346	352	---	160	---	118	---	6.9	3.6	---
Total	1,290	3,107	7,889	8,067	11,641	21,740	17,391	9,856	1,929	1,218.6	369.0	1,194.8
Mean	41.6	104	254	260	416	701	580	318	64.3	39.3	11.9	39.8
Max	123	313	1,820	742	1,700	2,260	2,130	907	327	159	49	275
Min	14	21	80	69	124	156	176	86	21	6.9	2.8	2.0
Cfsm	0.37	0.92	2.27	2.32	3.71	6.26	5.18	2.84	0.57	0.35	0.11	0.36
In.	0.43	1.03	2.62	2.68	3.87	7.22	5.78	3.27	0.64	0.40	0.12	0.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	86.5	197	303	348	366	409	347	273	145	117	83.0	54.1
Max	426	841	717	732	705	745	600	761	551	419	473	365
(WY)	(1977)	(1986)	(1979)	(1994)	(1994)	(1997)	(1980)	(1996)	(1981)	(1996)	(2000)	(2003)
Min	0.79	10.7	55.5	74.5	61.8	126	105	33.7	5.03	4.31	1.41	0.90
(WY)	(2009)	(1995)	(2002)	(1977)	(1978)	(2006)	(1999)	(1991)	(1991)	(1988)	(1993)	(2008)

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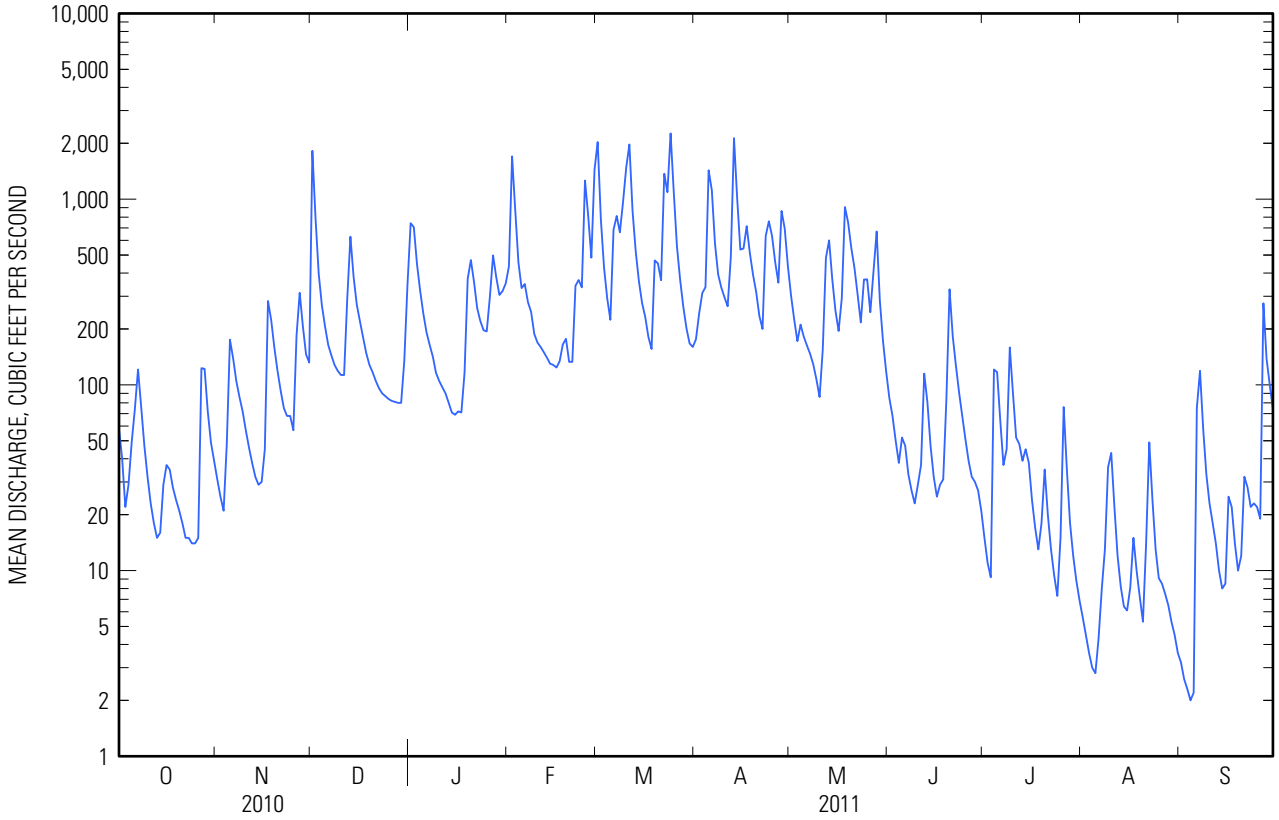
SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1974 - 2011	
Annual total	64,548.7		85,692.4			
Annual mean	177		235		226	
Highest annual mean					357	1994
Lowest annual mean					134	1999
Highest daily mean	1,820	Dec 1	2,260	Mar 24	9,070	Jul 31, 1996
Lowest daily mean	2.8	Jul 8[a]	2.0	Sep 4	0.11	Aug 17, 1987
Annual seven-day minimum	3.6	Jul 4	2.9	Aug 30	0.14	Aug 15, 1987
Maximum peak flow			3,570	Feb 28	[b]19,600	Jul 31, 1996
Maximum peak stage			9.83	Feb 28	18.47	Jul 31, 1996
Instantaneous low flow			1.6	Sep 5	0.11	Aug 17, 1987
Annual runoff (cfsm)	1.58		2.10		2.02	
Annual runoff (inches)	21.44		28.46		27.39	
10 percent exceeds	412		611		540	
50 percent exceeds	105		116		111	
90 percent exceeds	8.8		12		8.0	

[a] Also July 9.
[b] From slope-area measurement, highest since 1918.