Water-Data Report 2013

01124151 QUINEBAUG RIVER AT WEST THOMPSON, CT

Connecticut Coastal Basin
Quinebaug Subbasin

LOCATION.--Lat 41°56'36.84", long 71°53'58.55" referenced to North American Datum of 1983, Windham County, CT, Hydrologic Unit 01100001, on left bank 350 ft downstream from concrete v-notch weir below West Thompson Dam.

DRAINAGE AREA.--172 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 1966 to September 1989, October 2000 to September 2001, October 2002 to current year. October 1989 to September 2000 and October 2001 to September 2002 unpublished.

REVISED RECORDS.--WDR CT-08-1: Instantaneous low flow.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 289.34 ft above National Geodetic Vertical Datum of 1929. Satellite telemetry at station.

REMARKS.--Records good except for periods of estimated daily discharges, which are fair. Peak flows are affected by flood-control regulation at East Brimfield Lake, Westville Lake, and West Thompson Lake since 1960. The natural flow regime is altered by regulation at East Brimfield Lake, Westville Lake, West Thompson Lake, East Brimfield Lake, and other small reservoirs in the basin.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 19, 1955, reached a discharge of about 48,200 ft^3/s, by comparison of peak flows at Quinebaug and Putnam, gage height, 20.1 ft from floodmarks.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 01124151, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/01124151.2013.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	124	524	96	386	680	1,120	438	234	465	333	84	55
2	113	311	91	e350	650	1,000	455	180	365	323	90	88
3	113	314	92	e313	533	862	439	123	323	267	102	163
4	106	286	94	311	456	749	405	124	392	248	94	185
5	99	255	96	307	386	653	357	120	350	232	82	164
6	94	227	94	288	293	593	338	112	311	177	75	140
7	87	212	91	275	273	577	319	106	297	163	68	115
8	87	208	104	256	267	597	286	106	909	174	64	97
9	80	184	135	248	209	598	265	122	1,810	186	83	83
10	74	180	183	242	238	598	253	176	1,850	175	214	78
11	77	192	213	238	306	603	255	187	1,710	199	216	73
12	91	214	201	249	392	770	272	193	2,080	208	193	70
13	102	258	182	292	380	1,380	311	178	1,880	184	170	97
14	108	279	170	359	370	1,580	302	156	1,920	185	144	105
15	120	237	157	412	322	1,370	274	139	2,030	179	117	90
16	133	220	147	422	335	1,220	232	128	2,040	161	96	79
17	134	202	149	418	333	992	222	119	1,930	119	80	70
18	134	186	228	393	272	763	234	107	1,740	114	71	65
19	139	179	354	346	291	675	235	100	1,570	107	64	60
20	185	171	317	327	337	621	263	101	1,420	100	58	56
21	191	138	338	307	345	555	266	124	1,050	75	54	52
22	174	141	473	287	327	507	241	e428	812	65	49	57
23	159	149	480	e240	311	503	225	406	688	88	49	72
24	144	148	476	e209	356	480	209	429	516	128	45	78
25	136	142	467	e193	485	470	197	634	443	126	40	76
26	129	134	429	e185	457	458	184	645	385	163	38	73
27	127	126	436	e170	574	449	173	612	348	179	41	80
28	141	119	505	e175	1,020	401	251	556	288	151	48	70
29	196	107	452	180	---	410	416	510	367	e124	53	60
30	498	101	447	194	---	416	344	575	365	e110	51	54
31	699	---	386	447	---	417	---	560	---	95	50	---
Total	4,794	6,144	8,083	9,019	11,198	22,387	8,661	8,290	30,654	5,138	2,683	2,605
Mean	155	205	261	291	400	722	289	267	1,022	166	86.5	86.8
Max	699	524	505	447	1,020	1,580	455	645	2,080	333	216	185
Min	74	101	91	170	209	401	173	100	288	65	38	52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	221	273	407	384	399	605	611	342	290	123	100	113
Max	1,329	716	1,136	1,030	1,399	1,473	1,447	730	1,022	497	511	1,128
(WY)	(2006)	(2007)	(1997)	(1979)	(2008)	(2011)	(1987)	(1972)	(2013)	(2009)	(1989)	(2011)
Min	29.8	36.4	64.5	39.9	93.3	193	160	140	44.3	31.1	20.6	17.8
(WY)	(2008)	(2002)	(2002)	(1981)	(1980)	(2006)	(2006)	(1986)	(1999)	(1999)	(2007)	(2007)

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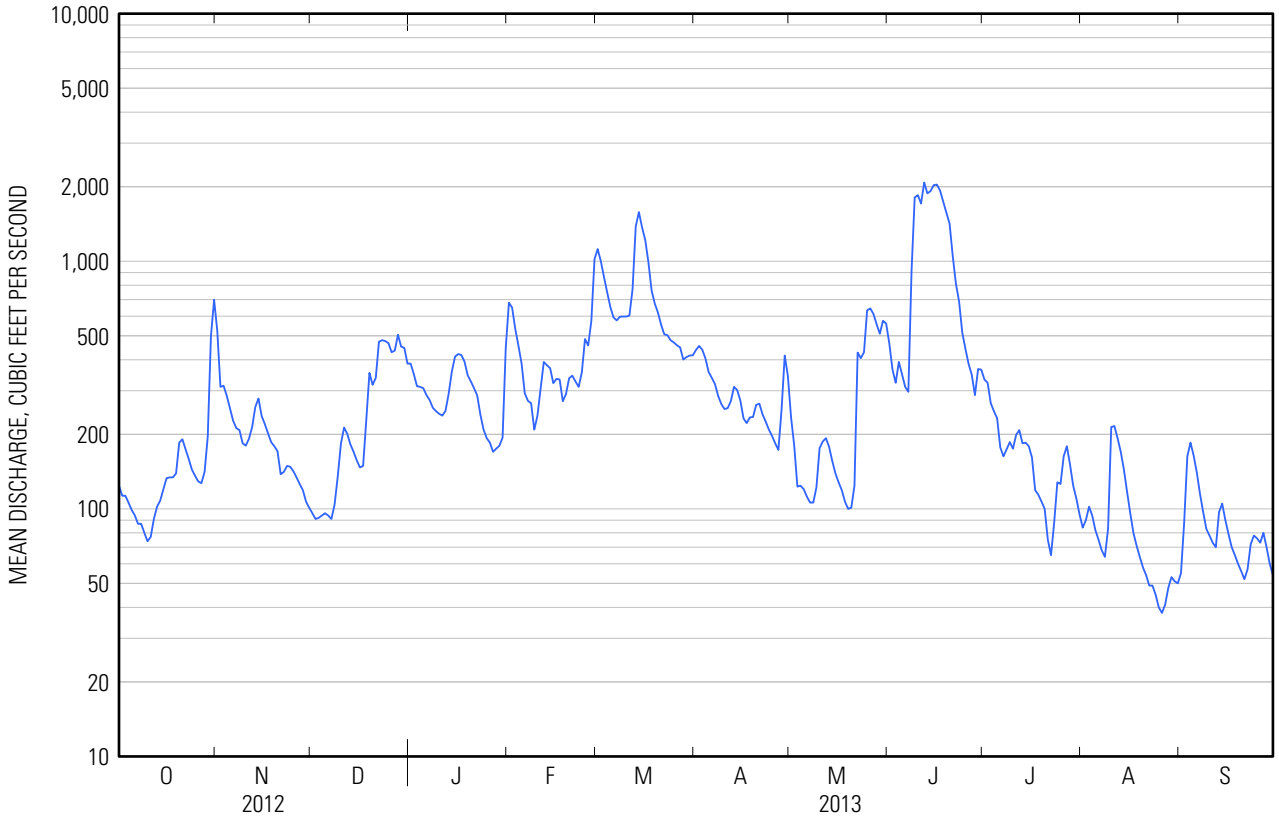
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1966 - 2013	
Annual total	74,567		119,656			
Annual mean	204		328		322	
Highest annual mean					523	2006
Lowest annual mean					144	1985
Highest daily mean	785	Apr 24	2,080	Jun 12	2,770	Apr 10, 1987
Lowest daily mean	24	Jul 27	38	Aug 26	3.1	Jan 12, 1981
Annual seven-day minimum	26	Jul 22	44	Aug 22	10	Aug 31, 1975
Maximum peak flow			2,180	Jun 12	2,820	Apr 10, 1987
Maximum peak stage			5.63	Jun 12	6.45	Apr 10, 1987
Instantaneous low flow			11	Sep 26	0.00	Many days
10 percent exceeds	437		616		727	
50 percent exceeds	148		214		204	
90 percent exceeds	44		78		40