

Water-Data Report 2013

10217000 SEVIER RIVER BELOW SAN PITCH RIVER, NEAR GUNNISON, UT

Escalante Desert-Sevier Lake Basin
Middle Sevier Subbasin

LOCATION.--Lat 39°09'19", long 111°52'37" referenced to North American Datum of 1927, in NE ¼ NE ¼ SE ¼ sec.14, T.19 S., R.1 W., Sanpete County, UT, Hydrologic Unit 16030003, on left bank 1,000 ft downstream from San Pitch River and 3.2 mi west of Gunnison.

DRAINAGE AREA.--4,921 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--March 1912 to current year. Prior to October 1917, monthly discharge only, computed as the sum of flow at stations on Sevier River near Gunnison (upstream of San Pitch River) and San Pitch River near Gunnison, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage is 5,025 ft above NGVD of 1929, from topographic map. October 4, 1917, recording gage at site 0.5 mi upstream. October 4, 1917 to October 28, 1938 at datum 0.36 ft higher and October 28, 1938 to April 10, 1986 same datum at site 150 ft east on former stream course. April 16, 1986 to June 6, 1989 at site 0.8 mi downstream, different datum.

REMARKS.-- Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,400 ft³/s, May 29, 1984; minimum, 5.6 ft³/s, Jul 17-21, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 385 ft³/s, Mar 22, gage height, 6.18 ft; minimum daily discharge, 17 ft³/s, Aug 19.

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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	160	161	201	205	e225	214	199	144	138	30	70	70
2	157	167	203	208	e225	218	210	116	135	27	36	101
3	157	158	208	e208	e225	230	177	73	121	35	26	94
4	159	161	207	e200	e225	243	160	81	134	85	29	96
5	162	168	205	e200	226	240	125	88	158	65	32	107
6	166	188	205	e200	230	237	103	88	44	48	45	87
7	127	171	206	e208	303	242	103	84	89	54	49	109
8	122	169	203	e210	269	235	104	97	87	70	47	136
9	123	170	202	e202	236	263	91	121	81	95	39	143
10	130	176	195	e208	233	262	78	100	108	69	34	169
11	119	182	201	e202	229	261	80	94	105	62	21	191
12	125	179	205	e180	222	264	119	98	92	57	19	216
13	156	181	203	e165	223	269	118	120	86	66	31	253
14	131	183	202	e160	223	291	109	146	71	77	19	277
15	140	186	204	e160	227	288	113	165	84	74	23	281
16	158	206	205	e165	225	287	173	159	65	56	26	272
17	160	197	203	e175	230	284	169	145	58	39	19	259
18	157	201	207	e175	230	275	190	132	61	86	18	239
19	160	198	204	e175	227	257	168	130	50	105	17	206
20	159	194	195	e180	236	240	173	130	44	61	18	206
21	162	194	195	e185	233	175	176	107	54	52	34	193
22	162	192	195	e185	223	207	164	78	51	63	35	193
23	158	191	197	e190	216	192	142	114	49	63	32	197
24	159	192	205	e200	210	101	141	116	80	47	43	191
25	160	193	204	e210	207	109	146	109	48	50	44	188
26	158	193	205	e240	217	112	114	113	43	79	43	182
27	159	193	208	e270	207	111	101	115	27	65	84	167
28	156	194	208	e240	208	102	119	110	19	48	89	169
29	157	195	205	e230	---	110	146	135	29	51	74	165
30	161	195	205	e220	---	157	137	138	29	62	61	159
31	161	---	208	e225	---	170	---	128	---	91	65	---
Total	4,681	5,528	6,299	6,181	6,390	6,646	4,148	3,574	2,240	1,932	1,222	5,316
Mean	151	184	203	199	228	214	138	115	74.7	62.3	39.4	177
Max	166	206	208	270	303	291	210	165	158	105	89	281
Min	119	158	195	160	207	101	78	73	19	27	17	70
Ac-ft	9,280	10,960	12,490	12,260	12,670	13,180	8,230	7,090	4,440	3,830	2,420	10,540

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918-2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	193	243	271	279	333	356	268	377	410	124	99.9	132
Max	783	760	1,028	868	1,141	1,443	1,670	3,606	4,308	1,624	591	499
(WY)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)	(1983)	(1983)	(1983)	(1983)
Min	27.1	56.0	96.7	100	97.2	74.0	70.7	56.5	40.4	25.7	16.2	17.2
(WY)	(1935)	(1935)	(1932)	(1935)	(1935)	(1935)	(1966)	(1961)	(2002)	(1960)	(1934)	(1934)

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SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1918-2013	
Annual total	101,379		54,157			
Annual mean	277		148		257	
Highest annual mean					1,346	1984
Lowest annual mean					86.5	1935
Highest daily mean	980	Mar 12	303	Feb 7	5,400	May 29, 1984
Lowest daily mean	34	Aug 16	17	Aug 19	6.0	Jul 18, 1977
Annual seven-day minimum	38	Jun 29	20	Aug 14	6.6	Jul 14, 1977
Annual runoff (ac-ft)	201,100		107,400		185,800	
10 percent exceeds	715		230		482	
50 percent exceeds	162		160		186	
90 percent exceeds	57		48		57	

