



Water-Data Report 2011

**11062700 Fontana Powerplant Tailrace Weir near Fontana, CA**

Santa Ana River Basin

LOCATION.--Lat 34°09'18", long 117°23'43" referenced to North American Datum of 1927, San Bernardino County, CA, Hydrologic Unit 18070203, in Muscupiabe Grant, in Fontana Water Company's water distribution complex, on afterbay from Southern California Edison Company's Fontana Powerplant, and 3.5 mi northeast of Fontana.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1972 to current year. Records for October 1972 to September 2004 available in the files of the U.S. Geological Survey.

GAGE.--Water-stage recorder and sharp-crested weir. Elevation of gage is 1,560 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good. Flow at this station represents outflow from the Fontana Powerplant. See schematic diagram of Santa Ana River Basin available from the California Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 60 ft<sup>3</sup>/s, May 17, 1978; no flow at times in some years.

**11062700 Fontana Powerplant Tailrace Weir near Fontana, CA—Continued**

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

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	22	22	22	11	23	24	45	46	46	36	50	47
<b>2</b>	22	22	21	11	23	24	43	45	46	37	50	47
<b>3</b>	22	22	21	11	21	24	43	45	46	37	50	45
<b>4</b>	19	22	21	11	22	24	42	45	46	37	50	45
<b>5</b>	17	22	21	11	24	24	42	45	46	34	50	45
<b>6</b>	19	22	5.3	11	24	24	43	45	46	32	50	45
<b>7</b>	19	22	12	11	25	24	36	45	46	37	51	44
<b>8</b>	19	22	26	11	24	33	45	45	46	38	50	44
<b>9</b>	19	22	25	11	34	35	45	45	46	38	51	44
<b>10</b>	19	22	24	10	43	39	45	45	46	38	51	44
<b>11</b>	20	22	23	9.5	43	45	45	45	46	38	48	44
<b>12</b>	20	22	23	8.8	43	45	45	45	46	38	43	44
<b>13</b>	20	22	23	8.6	43	45	45	46	46	38	42	44
<b>14</b>	20	22	23	9.1	42	45	45	46	46	38	42	44
<b>15</b>	20	22	22	8.9	44	45	45	46	47	38	43	43
<b>16</b>	21	22	22	8.6	28	45	46	46	47	39	43	43
<b>17</b>	21	21	27	8.7	22	45	45	45	46	39	43	43
<b>18</b>	21	21	5.8	15	31	47	45	46	46	38	43	42
<b>19</b>	21	21	8.6	21	9.9	46	45	47	46	45	43	42
<b>20</b>	24	16	7.6	22	9.7	38	45	47	46	51	43	41
<b>21</b>	26	5.2	0.53	22	9.6	0.00	45	47	47	49	44	41
<b>22</b>	25	16	0.53	22	25	22	45	47	46	50	44	38
<b>23</b>	25	24	0.53	22	43	44	45	46	31	51	43	34
<b>24</b>	23	23	0.53	22	43	44	45	46	9.8	51	44	35
<b>25</b>	23	23	0.53	22	43	41	45	46	9.8	51	43	36
<b>26</b>	23	23	0.53	23	12	40	45	46	9.8	51	43	36
<b>27</b>	23	22	7.9	23	11	40	45	46	26	51	44	36
<b>28</b>	23	22	12	23	17	43	45	46	36	50	43	35
<b>29</b>	22	22	11	23	---	41	45	46	30	50	43	35
<b>30</b>	22	22	11	23	---	41	45	46	27	51	43	35
<b>31</b>	22	---	11	23	---	46	---	46	---	51	45	---
<b>Total</b>	662	633.2	439.38	477.2	782.2	1,123.00	1,330	1,418	1,194.4	1,322	1,415	1,241
<b>Mean</b>	21.4	21.1	14.2	15.4	27.9	36.2	44.3	45.7	39.8	42.6	45.6	41.4
<b>Max</b>	26	24	27	23	44	47	46	47	47	51	51	47
<b>Min</b>	17	5.2	0.53	8.6	9.6	0.00	36	45	9.8	32	42	34
<b>Ac-ft</b>	1,310	1,260	872	947	1,550	2,230	2,640	2,810	2,370	2,620	2,810	2,460

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2011, BY WATER YEAR (WY)**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	20.0	19.5	19.2	19.1	21.2	25.2	27.4	26.9	21.7	20.6	22.0	21.7
<b>Max</b>	44.7	39.0	32.5	34.1	40.5	43.8	54.0	55.2	55.7	55.9	55.2	54.0
(WY)	(1994)	(2006)	(1999)	(1984)	(1997)	(2010)	(1980)	(1980)	(1980)	(1980)	(1980)	(1978)
<b>Min</b>	6.56	7.08	8.09	8.59	6.12	0.61	8.61	11.0	8.70	6.94	6.53	5.88
(WY)	(2003)	(1991)	(1990)	(2003)	(2003)	(1993)	(2005)	(2002)	(2002)	(2002)	(2002)	(2002)

**11062700 Fontana Powerplant Tailrace Weir near Fontana, CA—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2010</b>	<b>Water Year 2011</b>	<b>Water Years 1973 - 2011</b>	
<b>Annual total</b>	8,865.99	12,037.38		
<b>Annual mean</b>	24.3	33.0	21.6	
<b>Highest annual mean</b>			40.5	1980
<b>Lowest annual mean</b>			10.5	1990
<b>Highest daily mean</b>	49	Mar 13	51	Jul 20
<b>Lowest daily mean</b>	0.02	Jan 24	0.00	Mar 21
<b>Annual seven-day minimum</b>	0.83	Jan 19	1.5	Dec 20
<b>Annual runoff (ac-ft)</b>	17,590	23,880	15,660	
<b>10 percent exceeds</b>	41	46	42	
<b>50 percent exceeds</b>	22	38	18	
<b>90 percent exceeds</b>	12	11	8.9	

