

09494000 WHITE RIVER NEAR FORT APACHE, AZ

Salt Basin
White Subbasin

LOCATION.--Lat 33°44'11", long 110°09'58" referenced to North American Datum of 1927, in SE ¼ sec.32, T.4 N., R.21 E., Gila County, AZ, Hydrologic Unit 15060102, in Fort Apache Indian Reservation, on right bank 2,200 ft downstream from highway bridge, 4.5 mi upstream from confluence with Black River, and 11 mi west of Fort Apache.(unsurveyed).

DRAINAGE AREA.--632 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct. 1917 to Sept. 1918 (published as "at Wansleés Ranch"), Oct. 1957 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WRD AZ 1971: 1967(M).

GAGE.--Water-stage recorder. Datum of gage is 4,365.99 ft above sea level. Oct. 12, 1917, to Aug. 31, 1918, nonrecording gage at site 2,100 ft upstream at different datum.

REMARKS.--Records fair except for estimated daily values, which are poor. Small diversions above station for irrigation of about 1,460 acres. Negligible storage above station in several small recreational lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,700 ft³/s, July 29, 2006, gage height, 19.92 ft, on basis of slope-area measurement of peak flow; minimum, no flow, on several days in 1963, 2011-2012.

EXTREMES FOR CURRENT YEAR.--Peak discharges, maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Aug 21	1630	*4,130	*8.31

Minimum daily discharge, 0.00 ft³/s, on several days.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	22	22	29	51	52	84	303	159	16	0.00	15	42
2	20	20	50	51	49	92	299	152	14	0.00	18	36
3	26	20	44	50	50	79	268	148	13	0.00	8.7	31
4	34	19	36	51	46	81	242	139	12	1.6	6.2	28
5	44	33	33	51	43	86	225	130	9.9	7.9	7.0	30
6	52	38	32	49	45	92	223	125	9.5	9.8	11	37
7	62	33	21	50	45	106	219	114	7.4	4.3	12	42
8	67	37	e18	50	42	109	214	106	5.2	4.1	10	52
9	52	32	e20	49	45	105	220	105	5.8	3.4	10	48
10	46	25	e25	46	46	99	240	99	6.3	2.9	6.6	40
11	43	28	28	45	47	95	265	87	5.9	1.7	4.1	38
12	39	34	37	44	51	98	272	80	4.0	0.00	3.2	44
13	35	32	46	39	56	109	251	74	1.9	0.00	2.7	50
14	32	38	48	36	56	119	234	66	1.5	0.57	1.6	47
15	31	45	41	42	59	134	219	60	2.3	106	0.01	37
16	29	35	38	51	53	158	213	57	0.75	106	7.9	34
17	28	35	38	66	56	186	209	57	2.7	e30	18	30
18	26	31	44	57	54	206	191	52	2.0	e20	31	26
19	27	32	72	51	47	173	182	51	1.3	e10	95	24
20	25	31	69	51	51	146	179	48	0.00	13	47	21
21	23	31	59	52	52	169	183	45	0.00	24	234	18
22	23	33	52	53	46	188	197	39	0.00	26	e80	19
23	23	29	46	51	52	241	211	30	0.00	40	e140	18
24	22	29	37	50	57	313	225	31	0.00	36	167	18
25	24	31	35	50	61	339	232	26	0.00	28	e100	15
26	25	40	39	47	67	369	228	26	0.00	21	e110	15
27	23	31	39	47	75	354	228	27	0.00	19	e90	15
28	24	26	42	49	89	330	204	27	0.00	18	e70	13
29	22	36	43	48	81	312	189	26	0.00	43	e60	14
30	21	35	46	46	---	300	175	21	0.00	34	54	14
31	20	---	49	49	---	297	---	18	---	21	50	---
Total	990	941	1,256	1,522	1,573	5,569	6,740	2,225	121.45	631.27	1,470.01	896
Mean	31.9	31.4	40.5	49.1	54.2	180	225	71.8	4.05	20.4	47.4	29.9
Max	67	45	72	66	89	369	303	159	16	106	234	52
Min	20	19	18	36	42	79	175	18	0.00	0.00	0.01	13
Ac-ft	1,960	1,870	2,490	3,020	3,120	11,050	13,370	4,410	241	1,250	2,920	1,780
Cfsm	0.05	0.05	0.06	0.08	0.09	0.28	0.36	0.11	0.01	0.03	0.08	0.05
In.	0.06	0.06	0.07	0.09	0.09	0.33	0.40	0.13	0.01	0.04	0.09	0.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	91.4	76.7	105	122	170	346	536	400	132	68.7	118	96.6
Max	774	218	715	1,125	787	1,159	1,448	2,073	602	241	388	293
(WY)	(1984)	(1987)	(1979)	(1993)	(1980)	(1985)	(1979)	(1973)	(1973)	(2006)	(1967)	(1988)
Min	23.3	26.1	28.3	28.1	26.1	35.5	41.3	12.2	4.05	3.90	24.2	19.0
(WY)	(2010)	(2002)	(2006)	(2006)	(2006)	(2002)	(2002)	(2002)	(2012)	(1963)	(2009)	(1989)

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SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1957 - 2012	
Annual total	17,204.78		23,934.73			
Annual mean	47.1		65.4		188	
Highest annual mean					487	1993
Lowest annual mean					32.5	2000
Highest daily mean	145	Aug 22	369	Mar 26	7,180	Dec 18, 1978
Lowest daily mean	0.00	Jun 18	0.00	Jun 20	0.00	Jul 18, 1963
Annual seven-day minimum	0.00	Jun 18	0.00	Jun 20	0.00	Jun 18, 2011
Annual runoff (ac-ft)	34,130		47,470		136,500	
Annual runoff (cfsm)	0.075		0.103		0.298	
Annual runoff (inches)	1.01		1.41		4.05	
10 percent exceeds	103		190		496	
50 percent exceeds	39		42		75	
90 percent exceeds	6.0		4.9		29	

