

Water-Data Report 2012

09382000 PARIA RIVER AT LEES FERRY, AZ

Upper Colorado-Dirty Devil Basin
Paria Subbasin

LOCATION.--Lat 36°52'20", long 111°35'38" referenced to North American Datum of 1927, in NW ¼ NE ¼ sec.13, T.40 N., R.7 E., Coconino County, AZ, Hydrologic Unit 14070007, on left bank 0.6 mi northwest of Lees Ferry, and 1.1 mi upstream from mouth.

DRAINAGE AREA.--1,410 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct. 1923 to current year.

REVISED RECORDS.--WSP 1925: 1958(M), drainage area. WDR AZ-03-1: 2001 (M).

GAGE.--Water-stage recorder. Datum of gage is 3,123.68 ft above sea level. Prior to Oct. 5, 1925, nonrecording gage at site 2,000 ft upstream at different datum. Oct. 13,1925, to Sept. 11, 1929, nonrecording gage at present site and datum.

REMARKS.--Records fair. Diversions above station for irrigation of about 3,300 acres, mostly in southern Utah.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,100 ft³/s Oct. 5, 1925, gage height, 16.3 ft, from floodmark, from rating curve extended above 2,000 ft³/s on basis of float-area measurement of peak flow; maximum gage height, 16.65 ft Sept. 9, 1980; minimum daily discharge, 1 ft³/s in most years prior to 1931.

EXTREMES FOR CURRENT YEAR.-- Maximum discharge, 2,290ft³/s, Aug 20, gage height, 8.73 ft; minimum daily discharge, 2.0 ft³/s, on several days.

09382000 PARIA RIVER AT LEES FERRY, AZ—Continued

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	6.6	7.8	12	31	23	15	14	e3.4	2.7	2.0	16	75
2	6.5	7.6	19	24	20	15	14	e3.5	2.7	2.0	279	34
3	6.9	7.6	19	19	21	13	16	e3.6	2.6	2.0	59	27
4	7.5	8.4	16	20	16	14	17	e3.3	e2.5	2.2	34	21
5	8.2	10	12	20	18	15	23	e3.1	e2.6	2.4	14	13
6	204	9.9	8.1	21	16	15	20	e2.8	e2.5	2.2	8.4	10
7	141	16	7.0	22	17	16	17	e2.9	2.6	2.3	6.5	8.7
8	38	24	8.3	22	17	17	16	e3.2	2.6	2.1	5.5	8.7
9	21	12	15	18	17	14	14	e3.0	2.5	2.2	26	8.3
10	19	11	16	22	16	14	11	e3.2	2.1	2.2	22	7.6
11	17	12	16	22	16	14	9.6	e3.2	2.3	2.4	14	11
12	13	15	16	22	17	15	8.4	e3.3	2.6	2.4	18	208
13	11	13	11	18	19	15	8.5	e3.1	2.6	2.5	19	144
14	10	11	18	15	23	15	8.0	e3.2	2.6	3.3	8.5	26
15	11	11	16	18	24	15	11	e3.4	2.5	51	6.2	18
16	11	11	14	25	20	15	17	e3.3	2.4	e91	9.5	12
17	9.1	11	12	23	17	16	11	e3.6	2.3	219	13	10
18	8.3	10	11	17	18	20	e8.7	e3.5	2.1	21	282	8.7
19	7.2	16	15	19	17	31	e6.3	e3.4	2.1	10	63	7.8
20	6.9	12	18	20	19	28	e5.0	e3.6	2.1	6.3	375	7.5
21	6.8	11	18	23	16	e28	e4.6	e4.0	2.1	6.9	96	8.0
22	6.7	11	15	38	16	e34	e3.9	3.6	2.0	12	267	7.7
23	6.5	11	11	33	17	51	e3.8	3.1	2.0	4.9	351	7.0
24	6.1	11	7.5	27	17	43	e3.8	2.7	2.2	5.7	188	6.4
25	7.0	11	7.7	25	15	36	e3.4	2.8	2.3	6.2	303	6.2
26	7.6	10	11	21	15	28	e3.5	2.6	2.3	21	67	6.8
27	7.4	9.9	13	25	15	25	e3.4	2.7	2.2	9.7	29	14
28	6.9	10	11	26	16	22	e3.8	2.8	2.2	e9.1	19	11
29	7.0	12	14	17	17	18	e3.7	2.9	2.1	e6.6	11	19
30	7.2	13	21	18	---	16	e3.4	2.6	2.0	e17	11	11
31	8.0	---	28	21	---	15	---	2.7	---	52	22	---
Total	640.4	346.2	436.6	692	515	648	292.8	98.1	70.4	581.6	2,642.6	763.4
Mean	20.7	11.5	14.1	22.3	17.8	20.9	9.76	3.16	2.35	18.8	85.2	25.4
Max	204	24	28	38	24	51	23	4.0	2.7	219	375	208
Min	6.1	7.6	7.0	15	15	13	3.4	2.6	2.0	2.0	5.5	6.2
Ac-ft	1,270	687	866	1,370	1,020	1,290	581	195	140	1,150	5,240	1,510

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	31.7	23.2	21.3	23.5	37.1	38.0	20.7	10.3	6.99	22.9	52.0	49.2
Max	288	123	74.3	139	242	216	93.3	52.4	58.3	172	237	424
(WY)	(1926)	(1958)	(2011)	(2005)	(1980)	(1979)	(1979)	(1934)	(1972)	(1936)	(1932)	(1927)
Min	5.63	10.1	8.81	8.03	14.3	8.86	4.75	2.03	1.97	2.32	4.51	4.18
(WY)	(2010)	(1991)	(1931)	(1931)	(2002)	(1972)	(2002)	(1927)	(1926)	(1939)	(1976)	(1968)

09382000 PARIA RIVER AT LEES FERRY, AZ—Continued

SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1924 - 2012	
Annual total	6,844.3		7,727.1			
Annual mean	18.8		21.1		28.0	
Highest annual mean					65.1	1980
Lowest annual mean					11.1	2002
Highest daily mean	283	Sep 15	375	Aug 20	6,750	Sep 13, 1927
Lowest daily mean	3.4	Jul 22	2.0	Jun 22	1.0	Jun 25, 1926
Annual seven-day minimum	3.5	Jun 24	2.1	Jun 27	1.0	Jul 16, 1927
Annual runoff (ac-ft)	13,580		15,330		20,310	
10 percent exceeds	34		27		42	
50 percent exceeds	12		11		14	
90 percent exceeds	5.6		2.6		3.7	

