

PARIA RIVER BASIN

09382000 PARIA RIVER AT LEES FERRY, AZ

LOCATION.--Lat 36°52'20", long 111°35'38", in NW_{1/4}NE_{1/4} sec. 13, T.40 N., R.7 E., Coconino County, 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.

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

REVISED RECORDS.--WSP 1925: 1958(M), drainage area.

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 except for estimated daily discharges, which are poor.

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.

CORRECTION.--The maximum discharge for water year 2001 is 3,220 ft³/s; the previous published figure was not the maximum.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,400 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 9	0045	1,650	8.62
Jan. 11	2250	*3,160	*11.30a

Minimum daily discharge, 2.9 ft³/s July 14, 24.

a - from floodmark

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAILY MEAN VALUES

	DAY JUL	OCT AUG	NOV SEP	DEC	JAN	FEB	MAR	APR	MAY	JUN
1	26	35	11	39	e43	47	42	36	23	2.9
2	44	21	10	25	e35	47	39	42	22	12
3	22	19	12	24	25	47	40	64	21	8.7
4	8.1	18	16	39	23	52	42	52	24	4.7
5	33	17	13	73	22	49	44	43	24	28
6	23	16	15	35	22	44	37	38	21	4.8
7	10	16	19	20	22	50	36	61	19	11
8	6.6	265	21	15	22	58	40	49	e18	5.8

9	6.3	737	19	69	20	61	50	37	17	3.2	78	4.6
10	6.6	85	18	385	18	68	47	30	19	3.2	33	4.4
11	6.4	29	18	1290	21	91	34	37	e17	3.2	188	4.3
12	6.3	23	17	e1070	114	73	31	38	e21	3.2	59	4.3
13	6.7	102	18	109	189	79	37	36	17	2.8	21	4.7
14	6.3	47	17	59	93	73	39	35	14	2.6	134	4.5
15	6.2	35	16	44	100	56	52	34	11	2.9	44	4.2
16	6.6	25	16	42	80	46	50	32	9.8	3.0	66	4.0
17	6.8	19	15	41	74	41	44	29	12	3.1	35	3.7
18	6.4	17	12	41	68	42	52	28	11	3.0	14	3.8
19	6.9	16	14	43	119	41	55	22	10	3.0	31	3.8
20	8.2	15	13	38	151	43	50	21	11	3.0	36	3.7
21	512	24	14	50	123	80	39	22	11	3.0	13	3.9
22	559	39	17	50	76	50	36	22	11	2.9	9.2	3.8
23	82	34	11	48	103	49	34	24	12	3.0	7.3	3.5
24	42	24	8.8	46	90	79	64	24	10	2.9	6.0	3.5
25	21	24	15	45	72	62	99	27	e8.8	3.4	5.2	3.3
26	18	24	15	41	76	56	52	30	e5.4	14	6.1	3.3
27	16	24	7.4	e207	53	46	52	30	e4.5	9.6	20	3.4
28	138	24	9.3	e137	46	44	61	29	e3.8	5.6	20	3.8
29	127	32	110	e68	---	49	49	29	e3.4	5.3	13	3.6
30	58	20	469	e52	---	48	39	26	e3.3	4.6	8.2	3.3
31	56	---	58	e56	---	45	---	24	---	5.2	5.4	---
TOTAL	1881.4	1826	1044.5	4301	1900	1716	1386	1051	415.0			
119.6	1105.1	138.4										
MEAN	60.7	60.9	33.7	139	67.9	55.4	46.2	33.9	13.8	3.86		
35.6	4.61											
MAX	559	737	469	1290	189	91	99	64	24	14	188	
12												
MIN	6.2	15	7.4	15	18	41	31	21	3.3	2.6	5.2	3.3
AC-FT	3730	3620	2070	8530	3770	3400	2750	2080	823	237		
2190	275											

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2005, BY WATER YEAR (WY)

MEAN	30.4	23.7	21.0	23.7	37.5	38.4	20.9	10.6	7.19	23.6
52.7	51.7									
MAX	288	123	69.4	139	242	216	93.3	52.4	58.3	172
424										
(WY)	1926	1958	1967	2005	1980	1979	1979	1934	1972	1936

1932	1927											
MIN	5.99	10.1	8.81	8.03	14.3	8.86	4.75	2.03	1.97	2.32	4.51	
	4.18											
(WY)	1956	1991	1931	1931	2002	1972	2002	1927	1927	1926	1939	
	1976	1968										

SUMMARY STATISTICS FOR 2004 CALENDAR YEAR FOR 2005
WATER YEAR WATER YEARS 1924 - 2005

ANNUAL TOTAL	9712.8	16884.0			
ANNUAL MEAN	26.5	46.3	28.4		
HIGHEST ANNUAL MEAN			65.1		
1980					
LOWEST ANNUAL MEAN			11.1		
2002					
HIGHEST DAILY MEAN	737	Nov 9	1290	Jan 11	6750
Sep 13 1927					
LOWEST DAILY MEAN	3.2	Jul 6	2.6	Jul 4	1.0 Jun
25 1926					
ANNUAL SEVEN-DAY MINIMUM	3.4	Jul 3	2.9	Jul 13	
1.0 Jul 16 1927					
ANNUAL RUNOFF (AC-FT)	19270		33490		20570
10 PERCENT EXCEEDS	44		77		42
50 PERCENT EXCEEDS	12		24		14
90 PERCENT EXCEEDS	3.7		3.8		3.7

e Estimated