

## 09367680 CHACO WASH AT CHACO CULTURE NATIONAL MONUMENT, NM

LOCATION.--Lat 36°01'43", long 107°55'04", in NW¼NE¼ sec.29, T.21 N., R.10 W., San Juan County, Hydrologic Unit 14080106, on downstream side of center bridge pier, 800 ft downstream from Fajada Wash, and 0.5 mi southwest of Chaco Culture National Historical Park Visitors Center.

DRAINAGE AREA.--578 mi<sup>2</sup>.

PERIOD OF RECORD.--April 1976 to current year. Published as "at Chaco Canyon National Monument" prior to October 1985.

REVISED RECORDS.--WDR NM-80-1: 1979.

GAGE.--Water-stage recorder. Elevation of gage is 6,140 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 1-8, Nov. 5-8, Jan. 11-13, Feb. 16 to Mar. 5, July 13, 14, Aug. 8-10, 20-23, Sept. 5-7, and Sept. 14-21. Records fair except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--12 years, 4.66 ft<sup>3</sup>/s, 3,380 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,920 ft<sup>3</sup>/s, Sept. 2, 1988, gage height, 8.55 ft, from rating curve extended above 350 ft<sup>3</sup>/s on basis of slope-area measurements at gage heights, 3.44 ft, 3.68 ft and 5.32 ft; no flow most of time.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage Height (ft)
Nov. 2	0930	167	2.53	Aug. 7	0500	668	4.53
June 29	1345	128	2.35	Aug. 17	2400	177	2.57
July 10	0600	494	3.90	Aug. 25	0545	215	2.73
July 21	0930	150	2.45	Aug. 29	0015	638	4.42
July 30	0300	124	2.33	Sept. 2	0715	*1,920	*8.55
Aug. 1	1400	158	2.49	Sept. 11	2045	124	2.33
Aug. 6	1030	400	3.54				

No flow most of time.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.21	.00	.00	.00	.00	.00	.00	.00	.03	64	102
2	.00	26	.00	.00	.10	.00	.00	.00	.00	.00	42	623
3	.00	5.4	.00	.00	10	.00	.00	.00	.00	2.2	31	120
4	.00	1.2	.00	.00	25	.00	.00	.00	.00	2.1	25	79
5	.00	.50	.00	.00	13	.00	.00	.00	.00	.31	21	49
6	.00	.68	.00	.00	5.0	.00	.00	.00	.00	.20	132	25
7	.00	.50	.00	.00	20	.00	.00	.00	.00	.08	262	6.9
8	.00	.05	.00	.00	15	.00	.00	.00	.00	.00	57	23
9	.00	.00	.00	.00	10	.00	.00	.00	.00	.00	10	1.3
10	.00	.00	.00	.00	8.0	.00	.00	.00	.00	66	2.5	.50
11	.00	.00	.00	.00	5.0	.00	.00	.00	.00	12	1.3	25
12	.00	.00	.00	.00	2.5	.00	.00	.00	.00	4.5	9.7	20
13	.00	.00	.00	.00	1.0	.00	.00	.00	.00	112	4.2	47
14	.00	.00	.00	.00	.50	.00	.00	.00	.00	.12	2.7	43
15	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	1.9	9.9
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	17	5.4
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	65	2.5
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	88	.92
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	86	.30
20	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	70	.06
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	32	36	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	36	35	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	12	39	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.7	71	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.1	75	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.3	177	.00
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.0	137	.00
28	.00	.00	.00	.00	.00	.00	.00	.00	.21	8.6	300	.00
29	.00	.00	.00	.00	.00	.00	.00	.00	25	5.5	277	.00
30	.00	.00	.00	.00	---	.00	.00	.00	1.6	24	131	.00
31	.00	---	.00	.00	---	.00	---	.00	---	8.9	88	---
TOTAL	.00	34.54	.00	.00	115.15	.00	.00	.03	26.81	336.64	2358.3	1183.78
MEAN	.00	1.15	.00	.00	3.97	.00	.00	.00	.89	10.9	76.1	39.5
MAX	.00	26	.00	.00	25	.00	.00	.03	25	112	300	623
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.3	.00
AC-FT	.00	69	.00	.00	228	.00	.00	.06	53	668	4680	2350
CAL YR 1987	TOTAL	902.44	MEAN	2.47	MAX	201	MIN	.00	AC-FT	1790		
WTR YR 1988	TOTAL	4055.25	MEAN	11.1	MAX	623	MIN	.00	AC-FT	8040		