



Water-Data Report 2010

09367530 LOCKE ARROYO NR. KIRTLAND, NM

Upper San Juan Basin
Middle San Juan Subbasin

LOCATION.--Lat 36°44'17.73", long 108°17'32.47" referenced to North American Datum of 1983, San Juan County, NM, Hydrologic Unit 14080105.

DRAINAGE AREA.--2.96 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Water years 1951 to 1986.

GAGE.--Crest-stage gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum Discharge, 812 ft³/s, Aug. 29, 1957, gage height, 9.10 ft.

REVISIONS.--The maximum discharges for some water years have been revised, as shown in the following table. They supersede figures published in Water Resources Data reports for 1952, 1976, 1977, and 1978.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 1951 TO SEPTEMBER 1952**

Date	Discharge, in ft ³ /s	Discharge qualification code	Gage height, in ft	Gage height qualification code
1952	40.0	4,B	0.55	---

Discharge qualification code:

4 - Discharge less than indicated value, which is minimum recordable discharge at this site

B - Month or day of occurrence is unknown or not exact

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976**

Date	Discharge, in ft ³ /s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Sep 25, 1976	45	4	0.66	---

Discharge qualification code:

4 - Discharge less than indicated value, which is minimum recordable discharge at this site

09367530 LOCKE ARROYO NR. KIRTLAND, NM—Continued

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Jul 3, 1977	57.5	4	0.96	---

Discharge qualification code:

4 - Discharge less than indicated value, which is minimum recordable discharge at this site

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
May 5, 1978	67.5	---	1.16	---