



Water-Data Report 2013

06701700 WEST CREEK ABOVE SHREWSBURY GULCH NEAR WESTCREEK, CO

South Platte Basin
Upper South Platte Subbasin

LOCATION.--Lat 39°08'35", long 105°09'39" referenced to North American Datum of 1927, in NW ¼ NW ¼ sec.31, T.10 S., R.69 W., Douglas County, CO, Hydrologic Unit 10190002, on left bank of J.O. Hill Lake, and 2,000 ft upstream from Shrewsbury Gulch, in town of Westcreek.

DRAINAGE AREA.--56.2 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 2003 to September 2004 (seasonal records only), April 2005 to current year (annual seasonal-maximum only).

REVISED RECORDS.--WDR-US-2011: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and concrete weir. Elevation of gage is 7,520 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. Natural flow of the stream affected by a 24-inch pipe diversion through dam, which bypasses spillway and can carry at least 8 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--(seasonal only) Maximum discharge, 2,380 ft³/s, July 7, 2006, gage height, 9.55 ft, from floodmarks; minimum daily (during period of daily record only), 1.6 ft³/s (estimated), June 11-14, 2004.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum flood known, 2,020 ft³/s, May 7, 1973, on basis of slope-area measurement of peak flow made at location about 1.0 mi downstream from present site, caused by failure of two upstream dams.

**MAXIMUM PEAK DISCHARGE (seasonal only)
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Date	Discharge, in ft ³ /s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 6, 2013	20.0	---	5.49	---

^a Actual flow is likely higher due to additional bypass-pipe diversion