



Water-Data Report 2008

12433890 SANPOIL RIVER AB 13 MILE CREEK NEAR REPUBLIC, WA

Upper Columbia Basin
Sanpoil Subbasin

LOCATION.--Lat 48°28'39", long 118°43'44" referenced to North American Datum of 1927, in SE ¼ NW ¼ sec.1, T.34 N., R.32 E., Ferry County, WA, Hydrologic Unit 17020004, on right bank, 40 ft upstream from SR 21 bridge, 2.0 miles north from West Fork Sanpoil River gage, 12.5 mi south of Republic city limits, and at river mile 45.5.

DRAINAGE AREA.--263 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--March 1972 to April 1974, November 2005 to current year. Miscellaneous measurements 1994-1995.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,000 ft above NGVD of 1929, from topographic map. March 1972 to April 1974, water-stage recorder at different datum 80 ft downstream.

REMARKS.--Records good, except for estimated daily discharges which are fair. No known regulation. Several diversions above station for irrigation. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.-- 4 years (water years 1973, 2006-2008), 40.0 ft³/s, 29,010 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 777 ft³/s, January 17, 1974, gage height, 4.62 ft, site and datum then in use; maximum gage height, 4.92 ft, April 13, 2006; minimum discharge, 1.9 ft³/s, part of each day September 15, 17, 2007, September 19, 20, 2008.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 196 ft³/s, May 19, gage height, 3.31 ft; minimum discharge, 1.9 ft³/s, Sept. 19, part of Sept. 20.

SUMMARY STATISTICS

| | Calendar Year 2007 | Water Year 2008 | Water Years 1972 - 2008 | |
|---------------------------------|---------------------------|------------------------|--------------------------------|--------|
| Annual total | 12,393.2 | 10,704.2 | | |
| Annual mean | 34.0 | 29.2 | 40.0 | |
| Highest annual mean | | | 71.9 | 2006 |
| Lowest annual mean | | | 23.7 | 1973 |
| Highest daily mean | 219 | Mar 13 | 185 | May 19 |
| Lowest daily mean | 2.1 | Sep 15 | 1.9 | Sep 19 |
| Annual seven-day minimum | 2.1 | Sep 13 | 2.1 | Sep 16 |
| Annual runoff (ac-ft) | 24,580 | 21,230 | 29,010 | |
| Annual runoff (cfsm) | 0.129 | 0.111 | 0.152 | |
| Annual runoff (inches) | 1.75 | 1.51 | 2.07 | |
| 10 percent exceeds | 115 | 103 | 116 | |
| 50 percent exceeds | 11 | 8.9 | 13 | |
| 90 percent exceeds | 2.6 | 3.2 | 3.2 | |

