

Station No:	13055198
Prepared by:	R.W. Erickson
Date:	April 8, 1983
Updated by:	N. Jacobson
Date:	November 18, 1999

Description of Gaging Station on North Fork Teton River near Teton, Idaho.

LOCATION.--Lat 43°53'53", long 111°40'37", in the NW¹/₄NW¹/₄NW¹/₄, Sec. 31, T. 7N, R. 41E, Fremont County, Hydrologic Unit 17040204, on the left bank 60 ft upstream from the county road bridge, 0.4 mi downstream from point of diversion, 0.5 mi north of Teton and at mile 16.2.

ROAD LOG.--

0.0 mi	Intersection of Hwy 20 and Hwy 33 near Sugar City; proceed east on Hwy 33;
3.8 mi	turn left (north) on Teton Road at the town of Teton;
4.6 mi	gage house is 60 ft upstream from bridge.

ESTABLISHMENT.--Established on December 16, 1976, by U.S. Geological Survey.

RECORDS AVAILABLE.--October 1977 to current year.

GAGE.--A Sutron 8210 datalogger with a Sutron Accubar pressure transducer are housed in a 60-inch CMP shelter. A Sutron 8004 DCP provides data via satellite telemetry. Recorders are referenced to a wire weight on center of upstream side of bridge. All equipment is USGS owned and operated. Elevation of gage is 4,390 ft above sea level, from topographic map.

CHANNEL AND CONTROL.--There is one channel at all stages. Streambed is composed of sand and gravel. The channel acts as the control at all flows, and is subject to shifting at high and receding flows.

DISCHARGE MEASUREMENTS.--Low and medium stage measurements are made by wading 200-500 ft upstream of the gage. High stage measurements are made with a bridgeboard from downstream side of county highway bridge 60 ft downstream of gage.

FLOODS.--June 5, 1976, estimated at 1.2 million cfs due to Teton Dam failure.

POINT OF ZERO FLOW.--Approx. 6.40 ft, determined Feb. 24, 1998

WINTER FLOW.--Ice effect during winter months. Total ice cover is common in January and February.

REGULATION AND DIVERSION.--Flow partially regulated by headworks 0.4 mi upstream. Diversions from tributaries above station for irrigation.

COOPERATION.--Station operated by the USGS in cooperation with the Idaho Department of Water Resources.

OBSERVER.--Val Richards, hydrographer, Fremont-Madison Irrigation District (624-7189).

ACCURACY.--Records are good, except those for the period of ice effect, which are fair.

SKETCH.--Prepared.

PHOTOGRAPHS.--On file.

BENCH MARKS.--BM #1 is a standard USGS brass cap set in a concrete post 5 ft upstream and 1 ft streamward of

gage house.

elev. 13.210 ft

BM #2. Destroyed.

RP #5 is a chiseled mark on the top of the upstream left bank bridge rail.

elev. 20.623 ft

RM #1 is a standard USGS brass cap set in the concrete pump base 26 ft downstream and 14 ft shoreward
from the centerline of the gage house.

elev. 14.374 ft

The wire-weight gage check bar elevation is 19.602 ft.

The upper orifice is at elevation 6.090 ft.

The lower orifice is at elevation 4.916 ft.