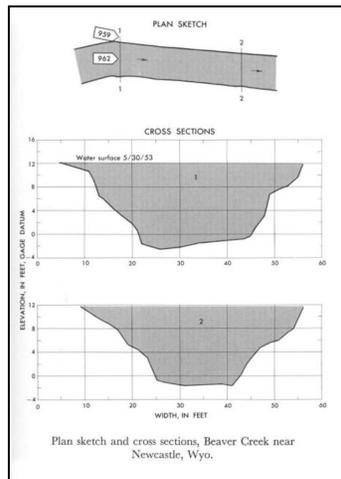


Beaver Creek near Newcastle, Wyo (Barnes)



Study Reach.--Section 1 is about 300 ft downstream from gage.

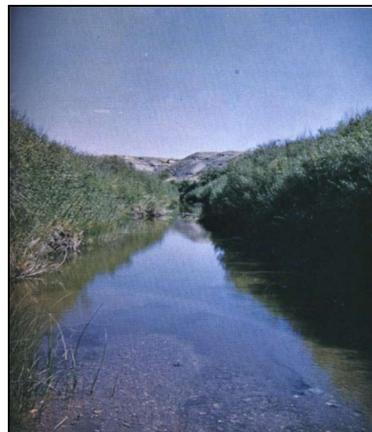
Gage Location.--Lat 43°32'05", long 104°07'00", in NW1/4 sec.18, T.41N., R.60W., at highway bridge, 2.5 miles down stream from Sheep Creek, and 23 miles south of Newcastle.

Drainage Area.--1,320 sq mi., approximately.

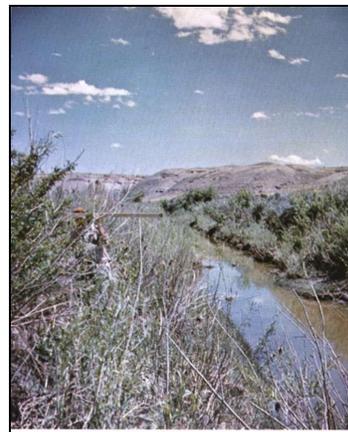
Gage Datum and Elevations of Reference Points.--Not available.

Stage, Discharge Measurements and Computed n-Values.--Gage height were 12.75 ft at gage; 11.98 ft at section 1. Peak discharge was 1,600 cfs on May 30, 1953.

Date of Observation	Discharge (ft ³ /s)	Average Cross Section Area (ft ²)	Hydraulic Radius (ft)	Mean Velocity (ft/s)	Slope	Coefficient of Roughness <i>n</i>
5/30/1953	1615.0	425.0	6.94	3.80	0.001237	0.043



No. 962 downstream from above section 1, Beaver Creek near Newcastle, Wyo.



No. 959 downstream from left bank at section 1, Beaver Creek near Newcastle, Wyo.

Description of Channel.--Bed is mostly sand and silt. Banks are irregular and have thick growth of brush. Channel curves about 20° to the right above the reach and straightens below it.

Floods.--

Estimated n-Values using Cowan's Approach.--