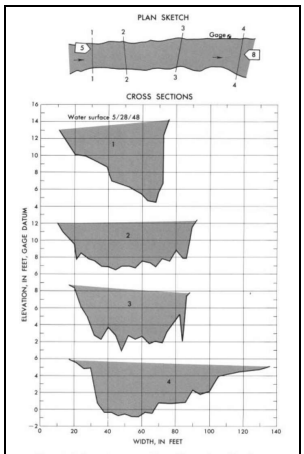
Boundary Creek near Porthill, Idaho (Barnes)



Plan sketch and cross sections, Boundary Creek near Porthill, Idaho.

Study Reach.--Section 1 is 413 ft upstream from gage.

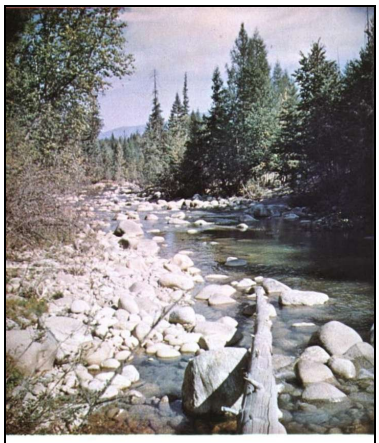
Gage Location.--Lat 48°59'50", long 116°34'05", in SW1/4 sec.11, T.65N., R.2W., on left bank near mouth of canyon, 0.2 mile south of international boundary, and 3 miles west of Porthill.

Drainage Area.--97 sq mi., approximately.

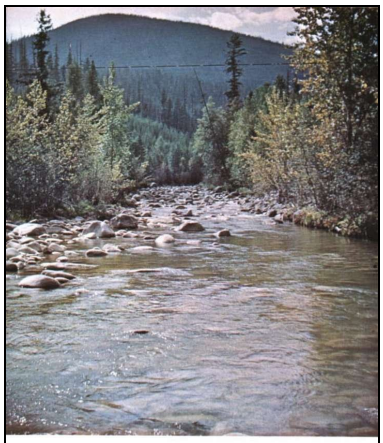
Gage Datum and Elevations of Reference Points.--

Stage, Discharge Measurements and Computed n-Values.--Gage height were 5.34 ft at gage; 13.60 ft at section 1. Peak discharge was 2,530 cfs on May 28, 1948.

Date of Observation	Discharge (ft^3/s)	Average Cross Section Area (ft^2)	Hydraulic Radius (ft)	Mean Velocity (ft/s)	Slope	Coefficient of Roughness *n*
5/28/1948	2545.3	354.0	4.05	7.19	0.018664	0.073



No. 5 downstream from left bank above section 1, Boundary Creek near Porthill, Idaho.



No. 8 upstream from below section 4, Boundary Creek near Porthill, Idaho.

Description of Channel.--Bed consists of boulders; d50 = 210 mm, d84 = 375 mm. Banks are composed of boulders and have trees and brush along top.

Floods.--

Estimated n-Values using Cowan s Approach.--