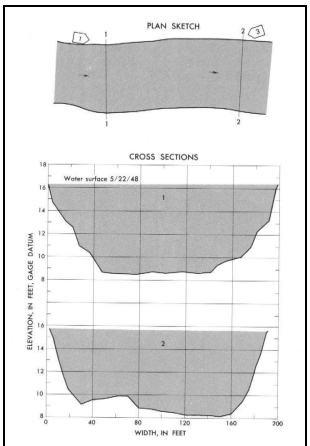
Blackfoot River near Ovando, Mont (Barnes)



Plan sketch and cross sections, Blackfoot River near Ovando, Mont.

Study Reach.--Section 1 is about 0.25 mile upstream from gage.

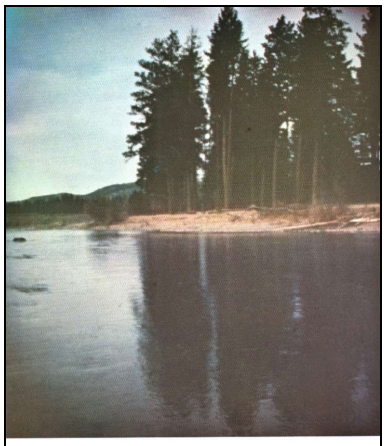
Gage Location.--Lat 47°01'10", long 113°13'40", in SE1/4 NW1/4 sec.34, T.15N., R.13W.,on left bank 0.25 mile upstream from Monture Creek and 5 miles west of Ovando.

Drainage Area.--l,274 sq mi.

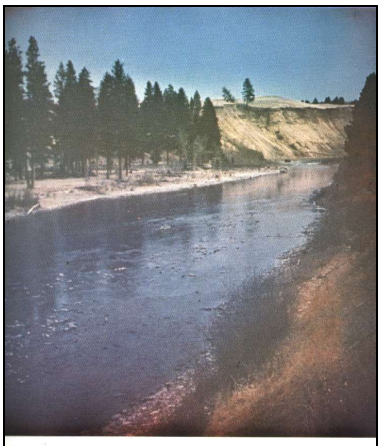
Gage Datum and Elevations of Reference Points.--

Stage, Discharge Measurements and Computed n-Values.--Gage height were 6.84 ft at gage; 16.34 ft at section 1. Peak discharge was 8,200 cfs on May 22, 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*
5/22/1948	8212.1	1185.0	6.05	6.93	0.002329	0.031



No. 1 downstream from left bank above section 1, Blackfoot River near Ovanda, Mont.



No. 3 upstream towards right bank from below section 2, Blackfoot River near Ovanda, Mont.

Description of Channel.--Bed is gravel and boulders; d50 = 155 mm, d84 = 280 mm. Banks consist of same material and are relatively free of vegetation.

Floods.--

Estimated n-Values using Cowan s Approach.--