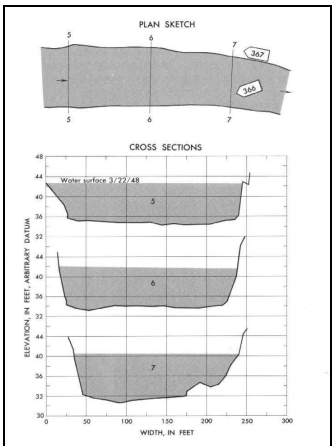
Beaver Kill at Cooks Falls, N.Y (Barnes)



Plan sketch and cross sections, Beaver Kill at Cooks Falls, N.Y.

Study Reach.--Section 5 is about 2,700 ft downstream from gage.

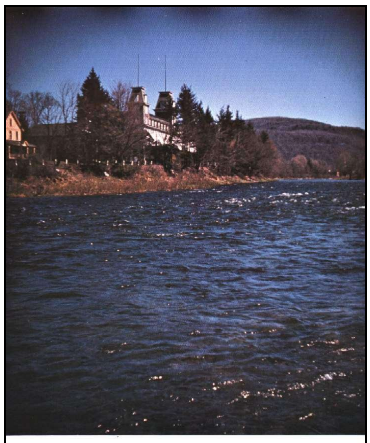
Gage Reference Location.--Lat 41°56'50", long 74°58'45", on left bank 125 ft downstream from highway bridge in Cooks Falls, Dela ware County, and 5.5 miles downstream from Willowemoc Creek.

Drainage Area.--241 sq mi.

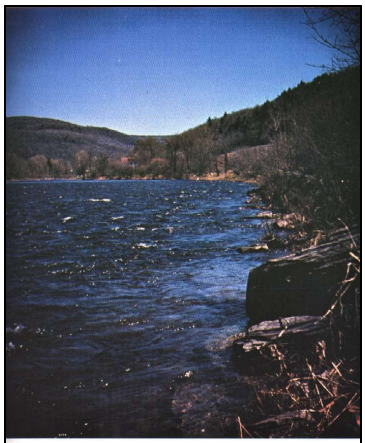
Gage Datum and Elevations of Reference Points.--Not available.

Stage, Discharge Measurements and Computed n-Values.--Gage height were11.69 ft at gage; 42.65 ft (different datum) at section 5. Peak discharge was 15,500 cfs on Mar. 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*
3/22/1948	15493.5	1650.0	7.27	9.39	0.003381	0.033



No. 366 upstream toward right bank from section 7, Beaver Kill at Cooks Falls, N.Y.



No. 367 upstream along left bank from section 7, Beaver Kill at Cooks Falls, N.Y.

Description of Channel.--Bed consists of coarse gravel and cobbles with scattered boulders. Light brush is on both banks and some trees are near water's edge on right bank.

Estimated n-Values using Cowan s Approach.--