Utah

Measurement of Water of Waterfall Canon Weber Co.

Built a Dam in Mouth of Canon Tight on Top of Dam made into 4 Equal Compartments, one of Water is measured with Current Water in flume.

← FLUME ---- In Creek

Date	Velocity ft.	Area inches	Cuft per sec.	Cuft per second
June 18th 1894	6.6	11.5 x 1.5	.8625	3.45
" 23rd "	3.486	11.5 x 2.75	.965	3.06
" 27 "				2.45
July 2nd "				2.04
July 2nd and 1/2	After closing 2 Weirs in Dam leaving Water Passing through			

	Flume	Cuft	Time	Cuft per second in Creek
July 9th	13.98 x 96.8 x 66	8.935	81 Seconds	.44
July 20 1894	" " "	8.935	208 "	.171
August 18th 1894				.035
August 24th				.023
Sept 13th				.043
Oct 9th 1894				.058
Nov 9th				.060
" 28th				.060

Remarks.

Veloc Measured with floats

Veloc. Measured with Current Meter (Area without Meter = 11.5 x 1.5")

(" " " 11.5 x 1.2"

" " " 11.5 x 1")

all water Passing through 2 Weirs " " " 11.5 x 1.25"

Flume.

Having no Meter, opened up all the weirs in Dam and closed Flume at upper & lower end water tight and then had more turn water of one weir in the flume or weight 13.98 ft Long .968 Wide & .66 Deep and filled same in 81 seconds

Computed by measuring the Stream above dam 3 gals to the second

Filled a Vessel Containing .35 cuft in 15 seconds

" " " " " " " 8 "

Two Inches of snow Night of Sept 12th 1894

Filled 2½ gal bucket in 3 sec, all water in Canon