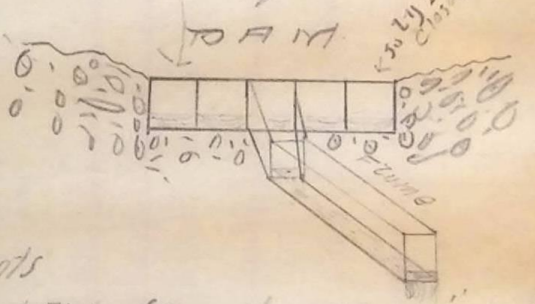
Measurement of Strong's Canon. Weber Co. Utah 1894

Built a Dam as in Waterfall into 5 Equal Compartments. Ang. Conducted and measured water first in Canon. Divided weir on Top of Dam water of one Compartment through Flume Flume



Date	Veloc. in ft.	Area. inches	Cu ft. per sec	Increase cu ft. per sec
June 18th 1894	8.55	11.5 x 1.375	.952	4.76
June 23 1894	7.2	11.5 x 1.6	.92	4.60
June 27 "				3.06
July 2nd				3.33

Remarks.

Measured with Floats

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

area " " 11.5 x 1.")

" " " 11.5 x 1.1")

(area " " 11.5 1.55")

after Closing 2 Weirs in Dam leaving all 3 Weirs and 1/3 water passing

		Cu ft	Time	cu ft per sec in Crack
July 9th 1894	13.88 x 95 x 64 =	8.439	45 seconds	.935
July 20th "	13.88 x 95 x 665 =	8.77	65	.675
August 8th	Flume 13.88 x 95 x 86 =	11.34	120 sec.	.472
August 24th "	13.88 x 95 x 71 =	9.36	123	.380
Sept 13th	13.88 x 95 x 71 =	9.36	85	.550
Oct 9th	"			.270
Nov. 8th	"			.140

Water & Pass through through Flume

July 9th open all Weirs in flume made trough of Flume & turned water of one opening in to trough trough = 13.88 Long x 95 wide. 64 Deep = 8439 cu ft. filled in 45 seconds

1/5 of water filled Trough in 65 seconds

1/3 of water filled Flume in 2 minutes

1/3 of water filled Flume in 123 seconds

1/3 " " " " 85 " about 2" from field night of Sept 12th 94

1/3 " " " " 3 minutes

1/5 " " " " 355 seconds