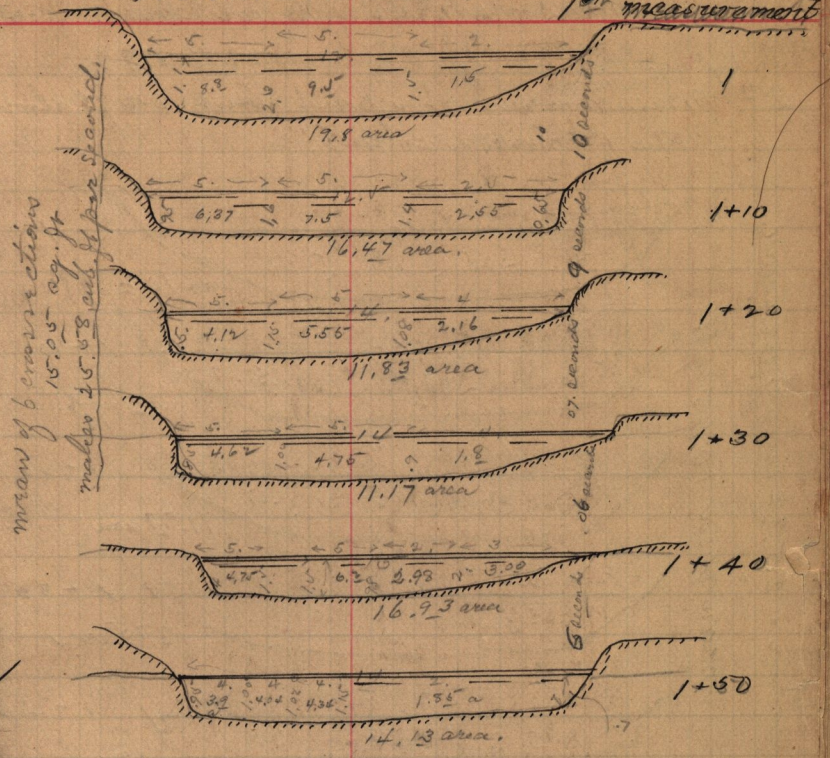


Measurement of Weber Canal at a Point near its head.



mean observed time of float constructed of a round willow peeled passing through a section 50. ft long 6 observations.

1st = 39" 2nd = 41" 3rd = 32" 4th = 34" 5th = 39" 6th = 36"

mean = 36.2 seconds in passing through 50. ft. mean =

mean of 6 observations by 10 ft section = 38.4" seconds in passing

mean of 1st 10 ft = 10 seconds mean of 2nd 10 ft = 09 seconds mean

of 3rd 10 ft = 07 seconds mean of 4th 10 ft = 06 seconds mean

of 5th 10 ft = 06 seconds.

deducting 4/5 of the surface velocity. or .8 of 36.2 = 29.44 seconds in passing 50. ft makes 1.28 ft per second mean velocity.

Estim^d Volume of water = 25.58 sec. ft.