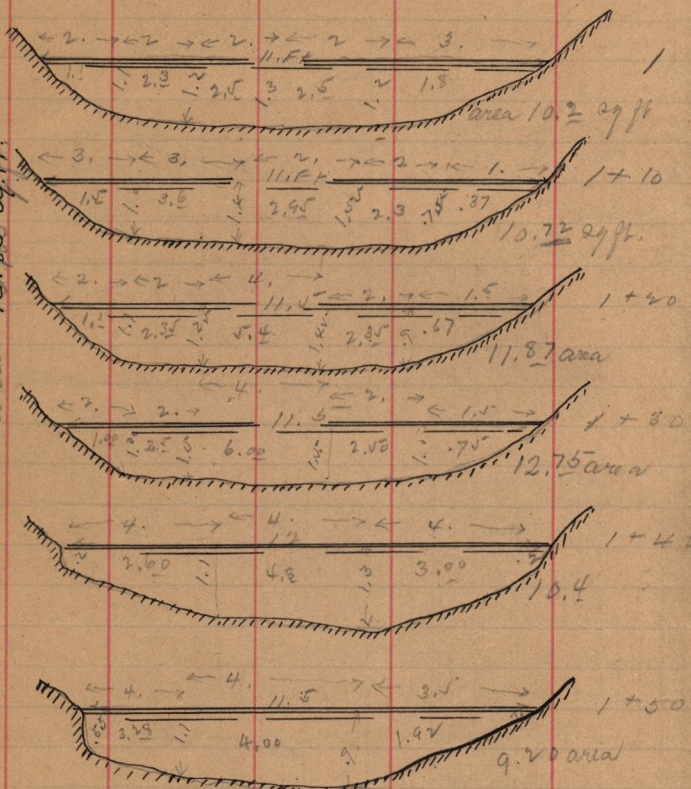


measurement of Vol. of water in the Water Canal
 at low water, 6" more water could
 be put into the canal, as shown by the
 water marks in second Canal.
 2nd measurement at a point about 300 ft above
 the 1st measurement.

June 13-1892

Current
 mean Volume = 25.82 cub. ft. per. Sec.

Mean area is 10.85 sq. ft.



surface velocity

mean of 6 observed times of float passing through the
 above 50 ft = 46.3 seconds. 3 of which is 21 seconds
 for mean velocity; makes 2.38 ft per second of velocity
 mean of 2 measurements = 25.7 cubic ft. per second.
 mean velocity = 2.08 ft per second. of 2 meas.

mean width of top of water 12. ft. 6" in depth to be
 by increasing the depth of water 6" the Vol. = 37.7 gal. ft.

(inc)