

MEASUREMENT OF CASTLE CREEK DIVERSIONS

by: Gary Spackman

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Carol Gilbert/Ward	50 inches (lower ditch)
Blaine Collett 1	86 inches
Blaine Collett 2 (Johnson)	170 inches
Bob Collett	40 inches
Carol Gilbert/Ward	120 inches (upper ditch)
Gordon King	155 inches - first measurement 120 inches - second measurement

Water flow was measured with a pygmy meter and a rod. Velocity was measured only once in the center of the ditch at 0.6 depth. Revolutions were visually counted for 60 seconds while straddling the ditch. Cross sectional area was estimated as either a rectangular or triangular section. Slack areas near the banks were subtracted from the dimensions.

Those observing the measurements were told that the measurements were rough, and might be in error by 20%. Nonetheless, it appears that more water was being diverted than authorized by the water rights.