



THE STATE OF UTAH
OFFICE OF STATE ENGINEER
SALT LAKE CITY

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STATE ENGINEER

September 9, 1957

Memorandum for Office Study Only by CLIFTON W. JOHNSON

RE: BURNT FORK DISTRIBUTION

September 4, 5 and 6 a trip was made to Burnt Fork Creek in Utah and Wyoming to check on the installation of headgates and measuring devices on diversions from Burnt Fork Creek and to study seepage losses from the ditches.

A 2-foot contracted rectangular weir was set at the lower end of the Ike Ditch just above Beck's diversion. No measurements were made during this trip due to beaver dams above the weir. Mr. Lawrence Beck will take weir readings when the ditch is cleaned out.

The seepage loss from the Wyman Ditch below the last Interstate Canal crossing did not appear to me more than 1/4 c.f.s. for the last mile above the Gene Gamble ranch house. The seepage above this point could not be determined due to turnouts.

September 6 a trip was made by horseback to Island Lake Reservoir on the headwaters of Burnt Fork Creek with Mr. Harvy Katzmeyer and Mr. Graff of McKinnon, Wyoming. The inflow to Island Lake was estimated at about 7 c.f.s. and the water level in the reservoir was at the top edge of the discharge pipe on the outlet. About 4 c.f.s. was flowing through Round Lake and none through the outlet headgate at Island Lake since the gate was closed September 2, 1957. At higher reservoir levels there is considerable seepage through the wall beneath the spillway at Island Lake.

CWJ/le

Parshall flumes have been ordered by Ike Ditch users and Interstate Canal Co. Others have applied for assistance through P.M.A. and S.C.S.