



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

162½ North Main
Cedar City, Utah 84720

April 18, 1968

DIVISION OF
WATER RIGHTS

HUBERT C. LAMBERT
STATE ENGINEER

Gerald W. Stoker
Area Engineer



MEMORANDUM

TO: Hubert C. Lambert, State Engineer

FROM: Gerald W. Stoker, Area Engineer

RE: Measuring Devices on North Creek, Beaver River Distribution

On April 11, 1968, representatives of this office met with Doyle Twitchell of Beaver, Utah who arranged to have us shown around their distribution system by their watermaster, Fred Puffer. The Beaver River Commissioner, Lee Strong, was not present during this inspection.

Four major diversion canals and works were inspected with the following conclusions:

1. The main divider at the confluence of the South and North Forks of North Creek - This structure does not meet the requirements of this office but it has been improved by those people diverting water from North Creek. I would assume that we would have to go along with their recommendations and continued use of this structure.
2. Frazier Canal (Bench) - The water is measured over a seven foot rectangular weir. This structure could be salvaged with a little work and periodic maintenance. One side of the weir is rough but would not "throw" the measurement to far out of reality.
3. Twitchell Divider - This structure does not meet requirements and will continue to give problems until it is corrected. I would recommend that a 3 or 4 foot Parshall Flume be installed, either metal or concrete.
4. Westside Irrigation Co. Flume - The structure is approved by this office but will have to be reset. Debris and sediments have built up in front of this Parshall Flume to the point that it is not giving a true reading of the flow. I suggested to the watermaster that this device be reset and that a stilling basin be constructed above the inlet of the flume.

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Page 2

A Later conversation with the Commissioner, Lee Strong, indicated that he was not satisfied with the structures now in existence with the exception of the five foot Parshall Flume of the West-side Irrigation Co. Lee indicated that he would check the flume and send in his recommendations regarding it's reliability.