



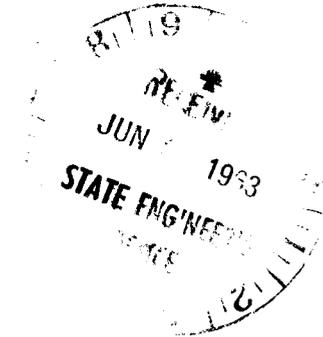
UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF RECLAMATION

WEBER BASIN PROJECTS OFFICE
P. O. BOX 387
OGDEN, UTAH

IN REPLY
REFER TO: W-400

JUN 20 1963



Mr. Wayne D. Criddle
State Engineer
State of Utah
Salt Lake City, Utah

Dear Mr. Criddle:

Your letter of June 10, 1963, requests the Bureau to repair three water measurement stations above Pineview Reservoir and states the responsibility for maintaining these stations is the Bureau of Reclamation's.

When these stations were relocated at your request, it was our understanding they were a part of the State's cooperative network and would be operated and maintained by others. It was agreed the relocation was properly an expense to be borne by Reclamation as a part of the Weber Basin Project construction.

The stations in question, North Fork of Ogden River, Spring Creek near Huntsville, and the North Branch of the South Fork, along with others, were relocated at our expense, but they have not proven to be entirely satisfactory. To the extent that these stations require modification to place them in working order, we are willing to do the corrective work needed. Thereafter, we believe the responsibility for the maintenance and operation of these stations is not the Bureau's.

On June 4, Mr. Floyd Barnett, Ogden River Water Commissioner, Mr. Milton Wilson, District Engineer, Geological Survey, and Mr. F. M. Warnick, from the Bureau of Reclamation, visited these stations and discussed their deficiencies.

It was apparent from this examination the North Fork station was not properly constructed and remedial measures must be taken to render it operational. We believe the cost of making the necessary changes is properly an obligation of Reclamation and we will work with Mr. Wilson of the Geological Survey and modify the concrete control to make it usable..

[Handwritten signature and initials]

The control at the Spring Creek station is a concrete Parshall flume. The only difficulty here appears to be a difference between the theoretical rating curve and the rating found by the Geological Survey from actual measurements. We believe if the Water Commissioner will use the rating curve developed by the survey, he can obtain discharge data within the accuracy required for estimating the inflow to Pineview Reservoir. Mr. Wilson suggested, if greater accuracy is necessary, a 120° V-notch weir be installed in the Parshall flume. This appears to be a practical solution, but it would increase the water levels in the stream above. This increase in depth may be opposed by abutting property owners. We suggest the Water Commissioner use the new rating curve available from the Geological Survey and avoid raising the water surface in the stream channel.

The bridge or channel change above the control on the North Branch of South Fork has caused the deposition of material on the north side of the channel upstream from the control which interferes with measurements. It appears the channel has now stabilized and removal of the material will correct this problem. In the near future when we have equipment in the area we will remove the material in accordance with the suggestions of Mr. Wilson and Mr. Barnett.

We hope the corrective work outlined here will be acceptable to you and lead to records meeting the high standards you desire.

Sincerely yours,

Clinton D. Woods

Clinton D. Woods
Project Manager