



1636 West North Temple • Salt Lake City, UT 84116 • 801-533-6071

* M E M O R A N D U M *

TO: File
FROM: Richard B. Hall
SUBJECT: Field Examination of the Little Bear River Distribution System
DATE: October 15, 1984

A field examination of the subject system was undertaken on October 13, 1984, with the following in attendance:

Greg Hansen

Richard B. Hall

Bob Fatheringham

The following itmes were observed and/or discussed.

- 1) Wellsville Mendon Canal - Has a totalizing meter where the pipeline discharges into the ditch.
- 2) Pump Canal - Has a totalizing meter just outside of the house where the turbine-pump setup is located.
- 3) Wellsville Eastfield Ditch - Eight (8) foot parshall flume. Has a downstream moss build-up problem, which causes bad readings.
- 4) U.S.G.S. Gaging Station (Little Bear River Below Paradise).
- 5) Paradise Canal - Has a rated rectangular section, which is adequate and has been verified with a current meter.
- 6) County Bridge over East Fork of the Bear River - This Bridge has a rating curve, which was used to measure the combined flows for the East Fork and the South Fork. The recent floods have inundated the upstream channel with debris and the rating is no longer valid.
- 7) Hyrum Canal - Parshall Flume needs upstream channel cleaned.
- 8) U.S.G.S. Gaging Station on South Fork above Avon.
- 9) Highline Canal - Parshall Flume is adequate. A rating curve for the spill over their diversion structure has been developed; however, when the gates to the canal are open, the curve is suspect.
- 10) Porcupine Dam Outlet - Has a manometer and rating curve to determine discharge.

- 11) The natural flow above Porcupine is measured by adding the East Fork Gaging Station above the reservoir to the Big Spring Flow, which is measured by a Cipolletti Weir. The Cipolletti is not functioning. (Neither of these stations were observed.)
- 12) The commissioner is having trouble getting keys to some of the gates. He normally checks the system once a week during the irrigation season.
- 13) The measuring devices needing attention are included in the commissioner's report.

cc: Jerry L. Bronicel