



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

TO: File  
FROM: Richard B. Hall, P. E., Distribution Engineer  
SUBJECT: Lower Jordan River Distribution System Field Examination

A field review of the subject system was undertaken on August 6, 1984, with the following in attendance:

John Moesser  
Edward D. Feldt

Jerry L. Bronicel  
Richard B. Hall

Robert E. Berger

The major features of the system were observed and the following items were noted:

- 1) Surplus Canal Diversion - There is a U.S.G.S. Gaging Station on the Surplus Canal at 21st South and a U.S.G.S. Gaging Station on the Jordan River near 17th South. The combination of the two sets the natural flow of the Jordan River.

The Jordan, at this point, receives up to the first 200 cfs and the Surplus Canal receives the remainder. The actual water rights on the Jordan are approximately 226 cfs; however, anything in excess of 200 cfs causes flooding. An agreement was made to limit the diversion to 200 cfs.

- 2) Brighton North Point Canal, at 4700 South, was not observed. The canal has the best priority on the system with a low flow of 90 cfs.
- 3) North Point Canal South, at North Temple, has a continuous recorder just south of North Temple. The Canal Rider controls the structure. The commissioner needs the keys to the gaging station.
- 4) The Goggan Drain has no measuring devices, no downstream users, and is strictly wastewater. It is being enlarged to pass 2000 cfs.
- 5) The Harrisville Canal serves Duck Clubs and has no measuring device; however, it does have a staff gage, which needs lowering.
- 6) The remaining diversions from the Harrisville Canal to Farmington Bay were inaccessible. The commissioner regulates all of these and they reportedly have no measuring devices.

- 7) The commissioner said he does not read any of the numerous pump diversions from the canal or river. He says there is sometimes a problem on weekends when all of the secondary water systems are at capacity. They can drop the flow of the river up to 75 cfs.

Based on the preceding comments, the following items need to be undertaken:

- 1) Obtain a key from the U.S.G.S. for the North Point Canal measuring station.
- 2) Obtain a copy of the agreement limiting the Jordan River to 200 cfs at the confluence with the surplus canal.
- 3) Undertake further research on the assessment basis for the pumping from the river.
- 4) The lack of measuring devices on the downstream portion of the system could be a serious problem in low water years.

cc: Jerry L. Bronicel