



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

TO: File
FROM: Richard B. Hall, P. E., Distribution Engineer
SUBJECT: Field Review of Cottonwood Creek Distribution System
DATE: August 24, 1984

A field review of the subject system was undertaken on August 23, 1984, with the following in attendance:

Clyde Magnuson
Louis Chadwick

Richard B. Hall
Jerry L. Bronicel

The following items were observed and/or discussed:

- 1) The major feature of the project is Joe's Valley Reservoir, which has a storage capacity of 62,500 acre-feet.
- 2) The diversions above Joe's Valley were not observed due to flooding. According to the Commissioner, they represent a small portion of the total water use. Most do not have measuring devices because they are always getting washed out. The Commissioner feels this is not a big problem because all of the excess water returns directly to the creek.
- 3) Peacock-Miles Ditch - This is the first diversion below the dam.
- 4) Western Ditch - $Q_{max} = 74$ CFS, Parshall Flume needs leveling.
- 5) Swasey Diversion - Canal that feeds the Huntington System from Joe's Valley Reservoir.
- 6) Mammoth Canal - $Q_{max} = 90$ CFS, operating Parshall Flume.
- 7) Utah Power & Light - Have a pumping plant, which transports 22 CFS to the Hunter Plant.
- 8) Blue Cut Ditch - $Q_{max} = 40$ CFS. Operating Parshall Flume.
- 9) Wilson, Mill Ditch, and Wilberg Ditches were not observed. They are on the downstream end of the system and account for a very small portion of the total usage.