

LEROY W. HOOTON, JR.
DIRECTOR

SALT LAKE CITY CORPORATION

DEPARTMENT OF PUBLIC UTILITIES
WATER SUPPLY AND WATERWORKS
WATER RECLAMATION AND STORMWATER

ROSS C. "ROCKY" ANDERSON
MAYOR

June 13, 2005

RECEIVED

JUN 15 2005

WATER RIGHTS
SALT LAKE

Mr. Lee Sim, P.E.
Utah Division of Water Rights
1594 West North Temple, Suite 200
Salt Lake City, UT 84114-6300

Re: Jordan River Distribution System – Jordan & Salt Lake Canal flow measurement

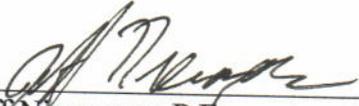
Dear Mr. Sim,

This letter is to advise you that the Jordan & Salt Lake Canal diversion measurement device has been cleaned, inspected, upgraded and calibrated per your request last year. The site was cleaned down to the cement floor, and the area upstream and downstream was also cleared by removing weeds and sediment. The flow recording device at the site has been upgraded with a Sigma 950 Bubbler level tracker and data logger along with an Area Flow Velocity Probe. The previous battery power supply has been replaced with a fixed 120 Volt power service line. Due to the remote area it was not cost effective to install land telephone service, so data from the site is transmitted via cell phone. Real-time velocity/level information can be accessed and historical data downloaded at any time to Public Utilities.

Attached herewith is a copy of a depth/flow rating curve for the site based upon calibration this spring. As you know actual flow rates can vary significantly with the same depth depending upon upstream and downstream conditions such as depositions of rocks, debris and weed growth. The velocity/area meter will provide much more accurate data and verification of the standard depth/flow rating curves. River commissioner and Public Utilities staff can verify flows in the field by accessing the recorder device and prompting it for the actual flow rate. Current metering will be done periodically during the irrigation season to verify rating curve accuracy, and updated rating curves will be sent to the River Commissioner as necessary.

Please contact Larry Alserda (801.483.6794, larry.alsersda@slcgov.com) at your convenience if you have any questions or require additional information in regard to our flow measurement devices or records.

Sincerely,



Jeff Niermeyer, P.E.
Deputy Director

Enclosures
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cc: Brad Gardner, Kirk Rindlisbach, Tim O'Hara, Larry Alserda, file

**Jordan Salt Lake Canal
Bluffdale rated section
by Larry Aiserda Hydrology SLC Public Utilities
May, 2005**

| GAGE HEIGHT | 0.00 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | 0.09 |
|----------------|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | CUBIC FEET PER SECOND | | | | | | | | | |
| 1.5 | 2.61 | 2.81 | 3.01 | 3.21 | 3.41 | 3.61 | 3.81 | 4.01 | 4.21 | 4.41 |
| 1.6 | 4.61 | 4.81 | 5.01 | 5.21 | 5.41 | 5.61 | 5.81 | 6.01 | 6.21 | 6.41 |
| 1.7 | 6.61 | 6.81 | 7.01 | 7.21 | 7.41 | 7.61 | 7.81 | 8.01 | 8.21 | 8.41 |
| 1.8 | 8.61 | 8.81 | 9.01 | 9.21 | 9.41 | 9.61 | 9.81 | 10.01 | 10.21 | 10.41 |
| 1.9 | 10.61 | 10.81 | 11.01 | 11.21 | 11.41 | 11.61 | 11.81 | 12.01 | 12.21 | 12.41 |
| 2.0 | 12.61 | 12.81 | 13.01 | 13.21 | 13.41 | 13.61 | 13.81 | 14.01 | 14.21 | 14.41 |
| 2.1 | 14.61 | 14.81 | 15.01 | 15.21 | 15.41 | 15.61 | 15.81 | 16.01 | 16.21 | 16.41 |
| 2.2 | 16.61 | 16.81 | 17.01 | 17.21 | 17.41 | 17.61 | 17.81 | 18.01 | 18.21 | 18.41 |
| 2.3 | 18.61 | 18.81 | 19.01 | 19.21 | 19.41 | 19.61 | 19.81 | 20.01 | 20.21 | 20.41 |
| 2.4 | 20.61 | 20.81 | 21.01 | 21.21 | 21.41 | 21.61 | 21.81 | 22.01 | 22.21 | 22.41 |
| 2.5 | 22.62 | 22.82 | 23.02 | 23.22 | 23.42 | 23.62 | 23.82 | 24.02 | 24.22 | 24.42 |
| 2.6 | 24.63 | 24.83 | 25.03 | 25.23 | 25.43 | 25.63 | 25.83 | 26.03 | 26.23 | 26.43 |
| 2.7 | 26.64 | 26.84 | 27.04 | 27.24 | 27.44 | 27.64 | 27.84 | 28.04 | 28.24 | 28.44 |
| 2.8 | 28.65 | 28.85 | 29.05 | 29.25 | 29.45 | 29.65 | 29.85 | 30.05 | 30.25 | 30.45 |
| 2.9 | 30.66 | 30.86 | 31.06 | 31.26 | 31.46 | 31.66 | 31.86 | 32.06 | 32.26 | 32.46 |
| 3.0 | 32.67 | 32.87 | 33.07 | 33.27 | 33.47 | 33.94 | 34.14 | 34.34 | 34.54 | 34.74 |
| 3.1 | 34.95 | 35.15 | 35.35 | 35.55 | 35.75 | 35.95 | 36.15 | 36.35 | 36.55 | 36.75 |
| 3.2 | 36.96 | 37.16 | 37.36 | 37.56 | 37.76 | 37.96 | 38.16 | 38.36 | 38.56 | 38.76 |
| 3.3 | 38.97 | 39.17 | 39.37 | 39.57 | 39.77 | 39.97 | 40.17 | 40.37 | 40.57 | 40.77 |
| 3.4 | 40.98 | 41.18 | 41.38 | 41.58 | 41.78 | 41.98 | 42.18 | 42.38 | 42.58 | 42.78 |
| 3.5 | 42.99 | 43.19 | 43.39 | 43.59 | 43.79 | 43.99 | 44.19 | 44.39 | 44.59 | 44.79 |
| 3.6 | 45.00 | 45.20 | 45.40 | 45.60 | 45.80 | 46.00 | 46.20 | 46.40 | 46.60 | 46.80 |
| 3.7 | 47.01 | 47.21 | 47.41 | 47.61 | 47.81 | 48.01 | 48.21 | 48.41 | 48.61 | 48.81 |
| 3.8 | 49.02 | 49.22 | 49.42 | 49.62 | 49.82 | 50.02 | 50.22 | 50.42 | 50.62 | 50.82 |
| 3.9 | 51.03 | 51.23 | 51.43 | 51.63 | 51.83 | 52.03 | 52.23 | 52.43 | 52.63 | 52.83 |
| 4.0 | 53.04 | 53.24 | 53.44 | 53.64 | 53.84 | 54.04 | 54.24 | 54.44 | 54.64 | 54.84 |