



# Central Utah Water Conservancy District

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October 29, 2007

Mr. John Mann  
Regional Area Engineer  
Utah Division of Water Rights  
1594 West North Temple, Suite 200  
Box 146300  
Salt Lake City, Utah 84114-6300

**RECEIVED**  
NOV 01 2007  
WATER RIGHTS  
SALT LAKE

Subject: Water Year 2007 Administration of Central Utah Project, Bonneville Unit, Utah Lake / Provo River Storage Exchanges under CUP Water Right Nos. A40523, A36639, A37093, E398, E4319 and Central Utah Water Conservancy District Water Right Nos. E3100 and E3101

Dear John:

The purpose of this letter is to comply with the November 1 deadline under the Utah Lake Distribution Plan, as amended, to report trans-basin imports, reservoir releases, and return flow credits claimed. Please note that to comply with the November 1 deadline; we are estimating values for part of October 2007, since these figures are not yet available. We assume that you will finalize the accounting once the October actual numbers are available.

The Provo River Commissioner, Stan Roberts, reported to the District that Provo River system storage was stored under CUP water right A40523 in Jordanelle and Deer Creek reservoirs during water year 2007 (November 1, 2006 through October 31, 2007) as shown on the next page.

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**CUP System Storage Stored in Jordanelle and Deer Creek Reservoirs**

|             | Jordanelle  | Deer Creek  | Less       |           |
|-------------|-------------|-------------|------------|-----------|
|             | CUP Storage | CUP Storage | PRP A16642 | Total     |
| Time Period | acre-feet   | acre-feet   | acre-feet  | acre-feet |
| Nov         | 36          | 10,321      | 0          | 10,357    |
| Dec         | 0           | 7,075       | 0          | 7,075     |
| Jan         | 0           | 1,994       | 0          | 1,994     |
| Feb         | 0           | 4,852       | 0          | 4,852     |
| Mar         | 3,948       | 1,375       | 0          | 5,323     |
| Apr         | 8,697       | 2,184       | 0          | 10,881    |
| May         | 3,322       | 6,244       | 0          | 9,566     |
| Jun         | 0           | 3,282       | 0          | 3,282     |
| Jul         | 0           | 0           | 0          | 0         |
| Aug         | 0           | 1,823       | 0          | 1,823     |
| Sep         | 0           | 2,566       | 0          | 2,566     |
| Oct         |             |             |            | 0         |
| Total       | 16,003      | 41,716      | 0          | 57,719    |

The total amount of CUP water stored as system storage is 57,719 acre-feet.

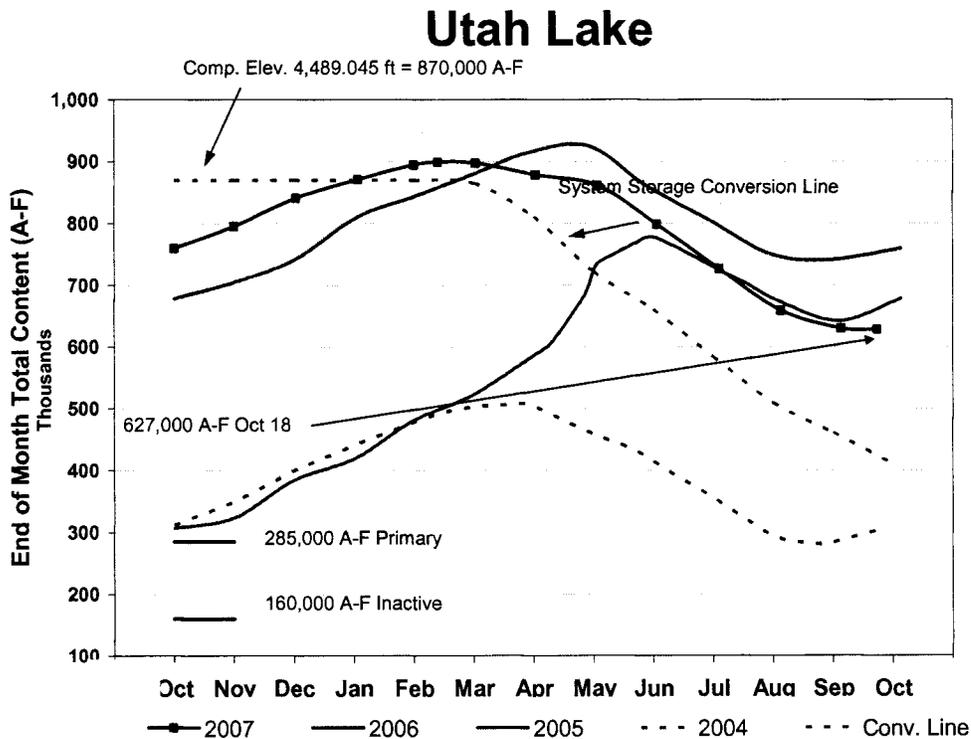
In early January of 2007 it was evident that the level of Utah Lake would cross the conversion line and reach the compromise elevation. On approximately February 1, 2007 the elevation of Utah Lake reached 4489.045, compromise elevation, and the radial gates to the Jordan River were opened. Therefore on March 26, 2007 a request was sent to your office requesting that all system storage in Jordanelle and Deer Creek Reservoirs be converted to priority storage. Therefore in accordance with the Utah Lake Distribution Plan CUP system storage was converted to CUP priority storage and no CUP import water or CUP import water return flows, from Strawberry reservoir, were required to be exchanged for Provo river storage.

Sources of CUP water in Utah Lake:

- 1) We claim that 24,707 acre-feet was carried over from water year 2006 in Utah Lake. At the beginning of water year 2004 CUWCD agreed to clear any previous balance in Utah Lake and start from zero.
- 2) We claim water that has been conveyed directly from Strawberry Reservoir to Utah Lake under A36639. A total of 18,407 acre-feet was conveyed to Utah Lake from November 1, 2006 through September 30, 2007. The amount anticipated to be conveyed during October 2007 is 3,542 acre-feet for a total of 21,949 acre-feet. We understand that this should be adjusted for incremental evaporation, even in current year accounting. Please let us know if this is incorrect. Adjustments for evaporation will be summarized later in this document. Due to Utah Lake

Elevations reaching compromise and having no space available in Utah Lake all but the 3,776 acre-feet conveyed from Strawberry Reservoir in September and October was spilled from the Lake and is shown in the following tables.

- 3) We claim return flows from Strawberry Reservoir CUP irrigation deliveries made in South Utah County during water year 2007 under A36639. The amount of CUP water delivered for irrigation use in South Utah County for water year 2006 was 11,933 acre-feet. We request that 35 percent of this amount, or 4,177 acre-feet, subject to incremental evaporation be credited to CUP water in Utah Lake under A37093. In our accounting, we assumed for simplification that all return flow reaches the lake prior to November 1, 2007. Due to lack of space in Utah Lake 46 acre-feet of this water was spilled in May and not stored.



Please see the tables on the following pages showing our calculations for the above including calculations for incremental evaporation, which we estimate in the amount of 627 acre-feet. Please note that for simplification, we have assumed return flows reach the lake the same month the water is delivered to agricultural lands. The total amount (carryover, direct, and return flow) claimed in Utah Lake adjusted for

incremental evaporation is 7,622 acre-feet (includes estimate for October). We assume that this water is available for future uses or exchanges.

**CUP Import Water in Utah Lake WY2007**

|             | Stawberry Res.<br>Direct | Strawberry Res.<br>CUP Ag. | 35 Percent<br>CUP Ag. | Less<br>Incremental<br>Evaporation | Total<br>CUP Direct and<br>Return Flow<br>to Utah Lake | Total<br>CUP Utah Lake<br>Storage |
|-------------|--------------------------|----------------------------|-----------------------|------------------------------------|--|-----------------------------------|
| Time Period | acre-feet                | acre-feet                  | acre-feet             | acre-feet                          | acre-feet  | 24,707                            |
| Nov         | 3,121                    |                            |                       | -190                               | 2,931  | 27,638                            |
| Dec         | 3,110                    |                            |                       | -87                                | 3,023  | 30,661                            |
| Jan         | 3,191                    |                            |                       | -65                                | 3,126  | 33,787                            |
| Feb         | 2,884                    |                            |                       | 0                                  | 2,884  | 0                                 |
| Mar         | 3,193                    |                            |                       | 0                                  | 3,193  | 0                                 |
| Apr         | 2,674                    |                            |                       | 0                                  | 2,674  | 0                                 |
| May         |                          | 130                        | 46                    | 0                                  | 46   | 0                                 |
| Jun         |                          | 2,062                      | 722                   | -7                                 | 715  | 715                               |
| Jul         |                          | 3,664                      | 1,282                 | -32                                | 1,250  | 1,965                             |
| Aug         |                          | 4,634                      | 1,622                 | -76                                | 1,546  | 3,511                             |
| Sep         | 234                      | 1,443                      | 505                   | -79                                | 660  | 4,171                             |
| Oct         | 3,542                    |                            |                       | -91                                | 3,451  | 7,622                             |
| Total       | 21,949                   | 11,933                     | 4,177                 | -627                               | 25,499   |                                   |

\* Carryover from WY2006 adjusted for incremental evaporation

**Incremental Evaporation from CUP Import Water in Utah Lake WY2007**

|                | EOM<br>Elevation | EOM<br>Surface Area<br>w/ CUP | EOM<br>Surface Area<br>w/o CUP | Incremental<br>Increase in<br>Surface Area | Incremental<br>Evaporation<br>kc=1.35 | Incremental<br>Evaporation |
|----------------|------------------|-------------------------------|--------------------------------|--|---------------------------------------|----------------------------|
| Time Period    | feet bel. Comp.  | acres                         | acres                          | acres                                      | inches                                | acre-feet                  |
| Nov            | -0.81            | 92,049                        | 91,235                         | 814  | 2.80                                  | 190                        |
| Dec            | -0.32            | 93,404                        | 92,487                         | 917  | 1.14                                  | 87                         |
| Jan            | 0.00             | 94,311                        | 93,291                         | 1,020                                      | 0.77                                  | 65                         |
| Feb            | 0.25             | 95,030                        | 95,030                         | 0  | 0.72                                  | 0                          |
| Mar            | 0.28             | 95,117                        | 95,117                         | 0  | 0.85                                  | 0                          |
| Apr            | 0.08             | 94,540                        | 94,540                         | 0  | 1.47                                  | 0                          |
| May            | -0.10            | 94,025                        | 94,025                         | 0  | 2.88                                  | 0                          |
| Jun            | -0.78            | 92,131                        | 92,110                         | 21   | 4.03                                  | 7                          |
| Jul            | -1.57            | 90,028                        | 89,971                         | 56   | 6.92                                  | 32                         |
| Aug            | -2.33            | 88,106                        | 88,008                         | 98   | 9.33                                  | 76                         |
| Sep            | -2.66            | 87,303                        | 87,188                         | 115  | 8.30                                  | 79                         |
| Oct(estimated) | -2.68            | 87,255                        | 87,046                         | 209  | 5.19                                  | 91                         |

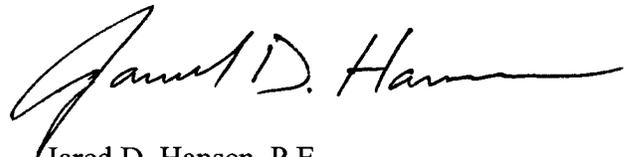
Mr. John Mann  
October 29, 2007  
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**Water Available for CUP in Utah Lake**

| Category  | acre-feet |
|---|-----------|
| Carryover from Water Year 2006  | 24,707    |
| A36639 directly conveyed to Utah Lake for exchange under E398                   | 21,949    |
| A36639 return flow in south Utah County area for exchange under A37093 and E398 | 4,177     |
| Less Incremental Evaporation Loss on the above                                  | -627      |
| Less CUP Water Spilled from Utah Lake   | -42,584   |
| E4319 - Used to lower Utah Lake Conversion Line                                 |           |
| E3101 - Used to lower Utah Lake Conversion Line                                 |           |
| E3100 - Used to lower Utah Lake Conversion Line                                 |           |
| Total   | 7,622     |

It is clear that the accounting of this water is complex. It is also clear that prompt and accurate accounting is very important to CUWCD as well as for other Provo River and Utah Lake water right holders. We would like to meet with you to discuss Provo River and Utah Lake accounting procedures. This will be helpful to us in order to plan our import releases and order of use of the water rights we have for the Bonneville Unit. Please contact me if you have any questions.

Sincerely yours,



Jared D. Hansen, P.E.  
Assistant Project Manager