



Central Utah Water Conservancy District

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November 1, 2011

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Regional Engineering Manager
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P.O. Box 146300
Salt Lake City, Utah 84114-6300

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Subject: Water Year 2011 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 Teresa:

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 October 31, 2011, since these figures are not yet available. We also have not received all of the information needed to verify this report from the Provo River Commissioner or the Spanish Fork River Commissioner. Once this information has been provided to us, and if required, we will update this report and resubmit it to you.

In early January 2011, it was evident that the level of Utah Lake would cross the conversion line. Therefore on March 29, 2011, a request was sent to your office requesting that all system storage in Jordanelle and Deer Creek reservoirs be converted to priority storage, since the conversion line had already been crossed. Sometime in the middle of February 2011, the level of Utah Lake crossed the conversion line. 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.

In February, 2011, the level of Utah Lake had exceeded the compromise elevation and the gates to the Jordan River were opened. By the end of February, 2011, all CUP water stored in Utah Lake on a space available basis had spilled out of the lake. On approximately October 15, 2011, the level of Utah Lake dropped below the compromise level, however the gates to the Jordan River have remained open and therefore space is not available to begin storing CUP water.

Sources of CUP water in Utah Lake during water year 2011 (November 1, 2010 to October 31, 2011):

- 1) We claim that 5,521 acre-feet was carried over from water year 2010 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 that water has been conveyed directly from Strawberry Reservoir to Utah Lake under A36639. A total of 22,645 acre-feet was conveyed to Utah Lake from November 1, 2010 through October 30, 2011. The amount anticipated to be conveyed on October 31, 2011 is 64 acre-feet for a total of 22,709 acre-feet. We understand that this will be adjusted for incremental evaporation,

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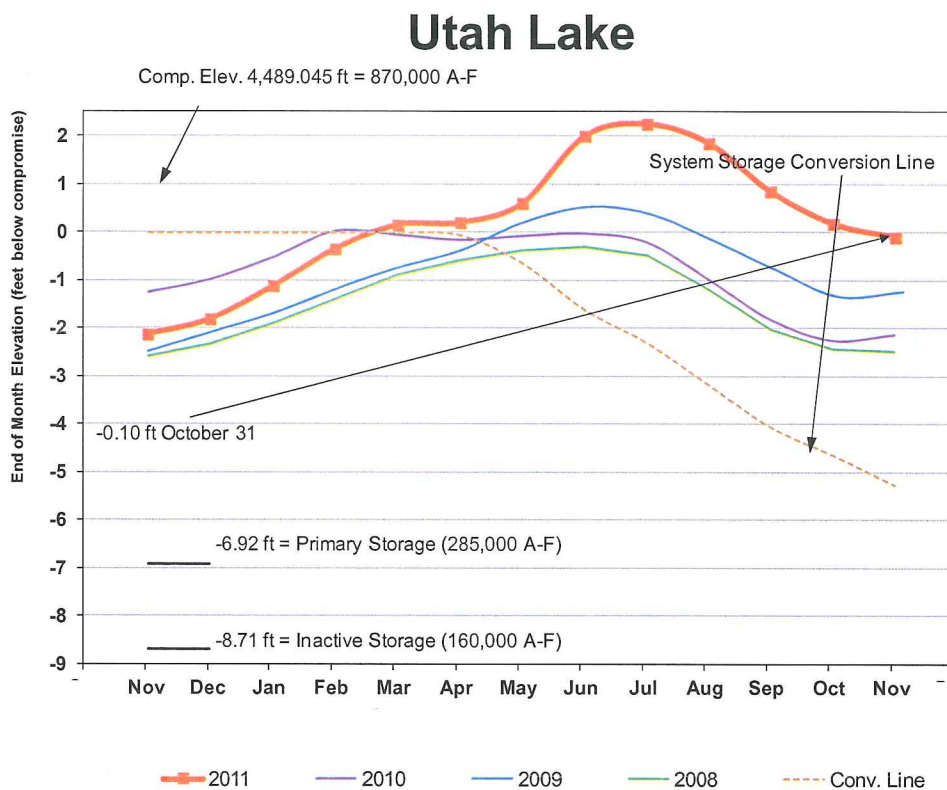
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even in current year accounting. Please let us know if this is incorrect. Adjustments for evaporation will be summarized later in this document.

- 3) We claim return flows from Strawberry Reservoir CUP irrigation deliveries made in South Utah County during water year 2011 under A36639. The amount of CUP water delivered for irrigation use in South Utah County for water year 2011 has not been reported to us by the Spanish Fork River Commissioner and is estimated to be 4,515 acre-feet. We claim 35 percent of this amount, 1,580 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, 2011.



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 119 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 0 acre-feet (includes estimate for October 31, 2011).

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CUP Import Water in Utah Lake WY2011

	Stawberry Res.	Strawberry Res.	35 Percent		Total	Total	
	Direct	CUP Ag.	CUP Ag.	Less	CUP Direct and	CUP Utah Lake	
	CUP Release to	Delivery to	Return Flow	Incremental	Return Flow	Storage	
	Utah Lake	S. Utah County	to Utah Lake	Evaporation	to Utah Lake		
Time Period	acre-feet	acre-feet	acre-feet	acre-feet	acre-feet	5,521	*
Nov	3,172			-57	3,115	8,636	
Dec	3,255			-33	3,222	11,858	
Jan	3,261			-29	3,232	15,090	
Feb	2,958			0	2,958	0	
Mar	3,286			0	3,286	0	
Apr	1,907			0	1,907	0	
May	1,293			0	1,293	0	
Jun	1,635			0	1,635	0	
Jul		238	83	0	83	0	
Aug		4,277	1,497	0	1,497	0	
Sep				0	0	0	
Oct	1,942			0	1,942	0	
Total	22,709	4,515	1,580	-119	24,170		

* Carryover from WY2010 adjusted for incremental evaporation

Incremental Evaporation from CUP Import Water in Utah Lake WY2011

		EOM	EOM			
		Surface Area	Surface Area	Incremental	Incremental	
	EOM	w/ CUP	w/o CUP	Increase in	Evaporation	Incremental
	Elevation	Import Water	Import Water	Surface Area	kc=1.35	Evaporation
Time Period	feet bel. Comp.	acres	acres	acres	inches	acre-feet
Nov	-1.81	89,410	89,164	246	2.80	57
Dec	-1.12	91,212	90,866	346	1.14	33
Jan	-0.35	93,319	92,867	452	0.77	29
Feb	0.15	94,741	94,741	0	0.72	0
Mar	0.20	94,886	94,886	0	0.85	0
Apr	0.60	96,056	96,056	0	1.47	0
May	2.00	0	0	0	2.88	0
Jun	2.25	0	0	0	4.03	0
Jul	1.85	0	0	0	6.92	0
Aug	0.85	96,801	96,801	0	9.33	0
Sep	0.18	94,828	94,828	0	8.30	0
Oct	-0.10	94,025	94,025	0	5.19	0

Water Available for CUP in Utah Lake

Category	acre-feet
Carryover from Water Year 2010	5,521
A36639 directly conveyed to Utah Lake for exchange under E398	22,709
A36639 return flow in south Utah County area for exchange under A37093 and E398	1,580
Less Incremental Evaporation Loss on the above	-119
Less CUP Water Spilled from Utah Lake	-29,691
E4319 - Used to lower Utah Lake Conversion Line	0
E3101 - Used to lower Utah Lake Conversion Line	0
E3100 - Used to lower Utah Lake Conversion Line	0
Total	0

Teresa Wilhelmsen, P.E.

November 1, 2011

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When additional data becomes available if necessary this report will be updated and resubmitted to you. Please contact me if you have any questions.

Sincerely yours,



Jared D. Hansen, P.E.
Project Manager

cc: Kent Jones – State Engineer
Stan Roberts – Provo River Commissioner
John Mendenhall – Spanish Fork River Commissioner
Curtis Pledger – U.S. Bureau of Reclamation
Wayne Pullan – U.S. Bureau of Reclamation
Jonathan Jones – U.S. Bureau of Reclamation
Reed Murray – U.S. Department of Interior
Jeff Niermeyer – Salt Lake City Public Utilities

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