



CENTRAL UTAH WATER
CONSERVANCY DISTRICT

March 28, 2017

OFFICERS
N. Gawain Snow, President
Tom Dolan, Vice President
Gene Shawcroft, General Manager/CEO

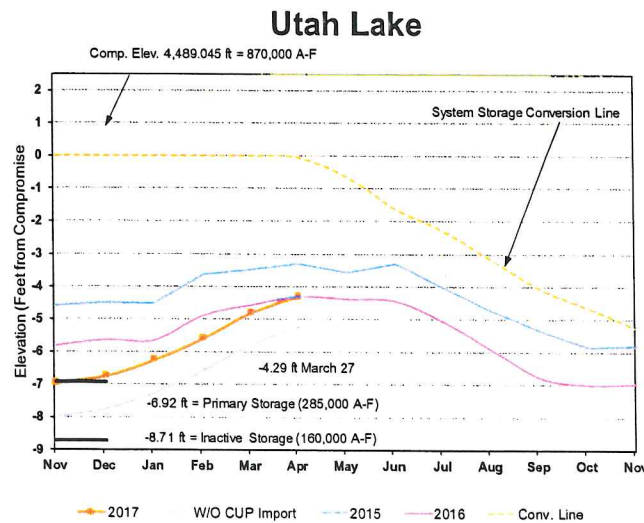
Mr. Ross Hansen
Regional Engineer
Utah Lake/Jordan River Regional Office
Utah Division of Water Rights
1594 West North Temple, Ste. 220
Box 146300
Salt Lake City, UT 84114-6300

TRUSTEES
G. Wayne Andersen
Roddie I. Bird
E. James Bradley
Randy A. Brailsford
Shelley Brennan
Kirk L. Christensen
Michael K. Davis
Tom Dolan
Larry A. Ellertson
Steve Frischknecht
Al Mansell
Michael J. McKee
Greg McPhie
Aimee Winder Newton
Gawain Snow
Byron Woodland
Boyd Workman

Subject: Water Year 2017 Administration of Central Utah Project (CUP), Bonneville Unit, Utah Lake/Provo River Storage Exchanges under CUP Water Right Nos. A40523, A36639, A37093, E398, E4319 and Central Utah Water Conservancy District (CUWCD) Water Right Nos. E3100 and E3101

Dear Ross:

Currently, the elevation of Utah Lake is 4484.76 feet, or 4.29 feet below the compromise elevation. Utah Lake is substantially below the Utah Lake Distribution Plan conversion line. CUWCD therefore is making the following request under the Utah Lake Distribution Plan for administration of the above-referenced CUP and CUWCD water rights.



We request a direct exchange of water under E3100, E3101, and E4319 to exchange CUP system storage to CUP priority storage consistent with those exchange applications. CUP water is stored in Jordanelle and Deer Creek reservoirs under water right A40523. For your reference, the amount of water identified under the applications referenced above is:

E4319	7,900 acre-feet of Utah Lake primary water
E3100	57,073 acre-feet of Utah Lake secondary water
E3101	16,862.4 acre-feet of Utah Lake primary water

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We understand that administration of E4319, E3100, and E3101 is subordinate to all existing rights as identified in the amended memorandum decisions. This exchange would not benefit the PRWUA for the Provo River Project.

Should the water available under E4319, E3100 and E3101 not be sufficient to convert all upstream CUP system storage to CUP priority storage, we request the use of CUP import water from Strawberry Reservoir in Utah Lake to exchange the balance of the CUP system storage to CUP priority storage under exchange E398. Those waters are stored in Utah Lake on a space available basis subject to incremental evaporation. In our letter to Teresa Wilhelmsen, Regional Engineer, dated October 27, 2016, we reported a total of 72,898 acre-feet of CUP import water available in Utah Lake as of October 31, 2016. As of March 27, 2017, we estimate a total of 77,422 acre-feet of CUP import water is available in Utah Lake for exchange under E398. Total storage of CUP import water in Utah Lake can be estimated and provided to you upon request.

Please contact me if you have any questions.

Sincerely yours,



Jared D. Hansen, P.E.
Central Utah Project Manager

JDH:sc

cc: / Kent Jones – State Engineer
Stan Roberts - Provo River Commissioner
Scott Bergendorf – Provo River Commissioner
John Mendenhall - Spanish Fork River Commissioner
John Larsen - Utah Lake/Jordan River Commissioner
Wayne Pullan - U.S. Bureau of Reclamation
Jonathan Jones - U.S. Bureau of Reclamation
Reed Murray - U.S. Department of Interior
Keith Denos - Provo River Water Users Association



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Water Rights

KENT L. JONES
State Engineer/Division Director

June 9, 2017

Jared Hansen
Central Utah Water Conservancy District
355 W. University Parkway
Orem, UT 84053

Re: Water Year 2017 Administration of Central Utah Project (CUP), Bonneville Unit, Utah Lake/Provo River Storage Exchanges under CUP Water Right nos. A40523, A36639, A37093, E398, E4319 and Central Utah Water Conservancy District (CUWCD) Water Right Nos. E3100 and E3101

Dear Jared:

In your March 28, 2017 letter you requested a direct exchange of 24,762 AF of primary rights and 57,073 AF of secondary rights from Utah Lake for CUP priority storage in Deer Creek and Jordanelle as approved under exchanges E4319, E3100 and E3101. Additionally, you requested any remaining upstream CUP system storage be converted under E398.

At the end of March it was uncertain whether Utah Lake storage would cross the conversion line. The direct exchange CUWCD requested by was the best option as the Utah Lake Operating Plan requires CUWCD make a request by April 1st.

During the intervening 2 months runoff has exceeded expectations and now it appears that if applications A40523, A36639, and A37093 were used to lower the Utah Lake Conversion line, all of the upstream system storage will convert to priority storage. Lowering the Conversion Line benefits the Provo River Project as well as the CUP BU project and when feasible, CUWCD has historically done so. The Division prefers the conversion line be lowered and respectfully requests that CUWCD revise the March 28th request accordingly.

As always, your cooperation in managing the water to its highest and most efficient use is greatly appreciated. If you have questions or concerns regarding this request, please contact Jared Manning, Assistant State Engineer.

Sincerely,

Kent L. Jones, P.E.
Utah State Engineer



cc: Ross Hansen – Utah Lake / Jordan River Regional Engineer
Sue Odekirk – Distribution Engineer
Stan Roberts – Provo River Commissioner
Scott Bergendorf – Provo River Commissioner
John Larsen – Utah Lake/Jordan River Commissioner



CENTRAL UTAH WATER
CONSERVANCY DISTRICT

Duplicate in Records Department

Date: 07/20/2017 Initial: SC

DESTROY AFTER USE

355 W. University Parkway
Orem, Utah 84058-7303
801.226.7100
www.cuwcd.com

OFFICERS
N. Gawain Snow, President
Tom Dolan, Vice President
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Steve Frischknecht
Nathan Ivie
Al Mansell
Michael J. McKee
Greg McPhie
Aimee Winder Newton
Gawain Snow
Byron Woodland
Boyd Workman

July 20, 2017

Mr. Ross Hansen
Regional Engineer
Utah Lake / Jordan River Regional Office
Utah Division of Water Rights
1594 West North Temple, Ste. 220
Box 146300
Salt Lake City, UT 84114-6300

Subject: Water Year 2017 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 Ross:

In our previous letter of March 28, 2017, the District requested that water right exchange application Nos. E4319, E3100, E3101, and E398 be used to exchange CUP system storage to CUP priority storage. As you know, CUP water is stored in Jordanelle and Deer Creek Reservoirs under water right No. A40523. Since then, hydrologic conditions have significantly changed and spring runoff has exceeded earlier expectations.

The District received a letter from Kent Jones on June 7, 2017, requesting that the District revise the earlier request due to changing hydrologic conditions. It appears that the level of Utah Lake has crossed the lowered Utah Lake Distribution Plan conversion line. This means that if the conversion line is lowered, CUP system storage in Jordanelle and Deer Creek reservoirs would be converted to priority storage through conversion. We therefore request, with your concurrence, that since the level of Utah Lake has reached the lowered conversion line, the conversion line be lowered using Nos. E4319, E3100 and E3101.

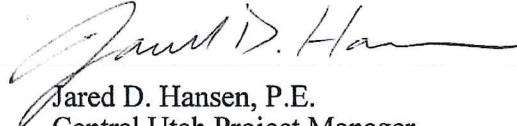
For your reference, the amount of water identified under the applications referenced above is:

E4319	7,900 acre-feet of Utah Lake primary water
E3100	57,073 acre-feet of Utah Lake secondary water
E3101	16,862.4 acre-feet of Utah Lake primary water
E398	CUP import Utah Lake exchange supply under Nos. A36639 and A37093

We understand that CUP Strawberry Reservoir import water conveyed to Utah Lake will be carried over in Utah Lake on a space available basis but will be subject to incremental evaporation. This is also the case for CUP Strawberry Reservoir return flows, which will be reported to you later in the year.

Please contact me if you have any questions.

Sincerely yours,



Jared D. Hansen, P.E.
Central Utah Project Manager

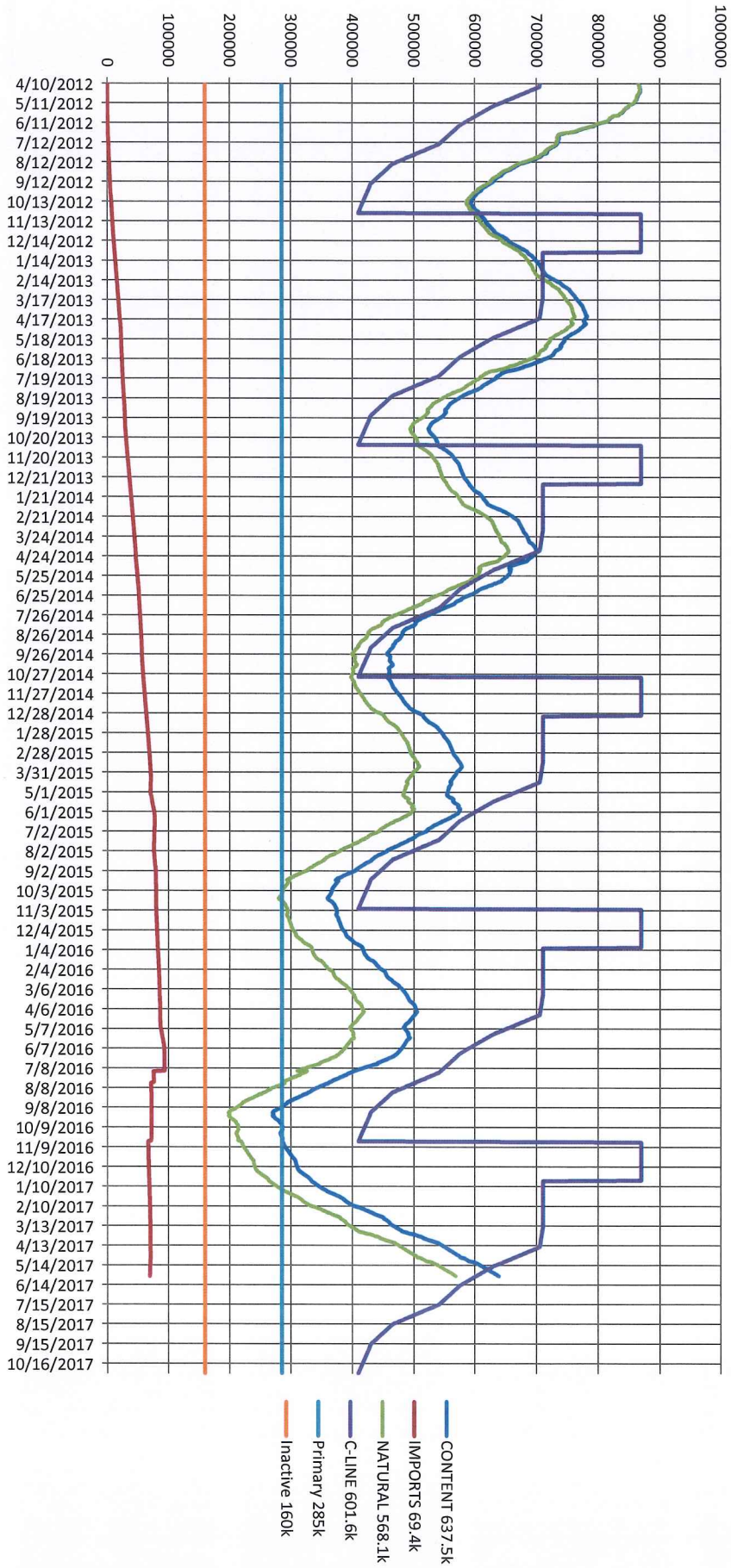
JDH:sc

- cc: Kent Jones – State Engineer
- Stan Roberts - Provo River Commissioner
- John Mendenhall - Spanish Fork River Commissioner
- John Larsen - Utah Lake/Jordan River Commissioner
- Jared Manning – Utah Division of Water Rights
- Wayne Pullan – U.S. Bureau of Reclamation
- Reed Murray - U.S. Department of Interior
- Keith Denos – Provo River Water Users Association

Utah Lake Contents, CUWCD Imports*, Natural, Primary, Inactive, etc.

Acre-Feet. Provisional Data Through May 31, 2017. Estimated 2016 E398: 28,523. Utah Division of Water Rights. June 5, 2017.

*PRP return flow credit is exchanged upstream with new System Storage each year.





GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Water Rights

KENT L. JONES
State Engineer/Division Director

August 10, 2017

Jared D. Hansen
Central Utah Project Manager
Central Utah Water Conservancy District
355 W. University Parkway
Orem, Utah 84058-7303

Re: Utah Lake Conversion Line Lowered Using E4319, E3100 and E3101

Dear Jared:

July 25, 2017 the Division of Water Rights received a request from Central Utah Water Conservancy District to lower the Utah Lake Distribution Plan conversion line using E4319, E3100 and E3101. As you are aware, in accordance with the Utah Lake Distribution Plan when the system storage in Utah Lake exceeds the conversion line (or the lowered conversion line) all system storage in Jordanelle and Deer Creek reservoirs converts to priority storage.

Estimates based on provisional data indicate system storage in Utah Lake was above the lowered conversion line between June 13 and June 30, 2017. Accordingly, all system storage on the Provo River up through June 30th is now considered to have converted to priority storage under the Distribution Plan. The data currently available is provisional and will be finalized at a later date. If the final data indicates a different conversion date, adjustments to system storage will need to be made accordingly.

Sincerely,

Kent L. Jones P.E.
State Engineer

KLJ/mtb

cc: John Larsen – Utah Lake Commissioner
Stan Roberts – Provo River Commissioner
Scott Bergendorf - Provo River Commissioner
John Mendenhall – Spanish Fork River Commissioner
Wayne Pullan – U.S. Bureau of Reclamation
Reed Murray – U.S. Department of Interior
Keith Denos – Provo River Water Users Association





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CONSERVANCY DISTRICT

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Tom Dolan
Steve Frischknecht
Nathan Ivie
Al Mansell
Michael J. McKee
Greg McPhie
Aimee Winder Newton
Gawain Snow
Byron Woodland
Boyd Workman

October 27, 2017

Ross Hansen, P.E.
Regional Engineer
Utah Lake / Jordan River Area Office
Utah Division of Water Rights
1594 West North Temple, Suite 200
P.O. Box 146300
Salt Lake City, Utah 84114-6300

Subject: Water Year 2017 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 Ross:

The purpose of this letter is to provide a report of CUP trans-basin imports, reservoir releases, and return flow credits claimed. We have received preliminary information needed for this report from the Provo River Commissioner and the Spanish Fork River Commissioner. In consultation with the commissioners, we are estimating some of the information at this time. Once this information has been finalized and, if needed, we will update this report and resubmit it to you after the end of the Water Year.

In early 2017, it was evident that the level of Utah Lake would not cross the conversion line, or a lowered conversion line. Therefore, on March 28, 2017, a request was sent to your office requesting that exchanges E4319, E3100 and E3101 not be used to lower the Utah Lake conversion line in accordance with the Utah Lake Distribution Plan and that those exchanges be used for direct exchange. Furthermore, the District also requested to not use E398 until E4319, E3100, and E3101 had been exhausted.

Hydrologic conditions changed and spring runoff exceeded earlier expectations. The District received a letter from Kent Jones dated June 7, 2017, requesting that the District revise the earlier request due to changing conditions. On July 20, 2017, a revised request was sent to you requesting that the conversion line be lowered using Exchanges E4319, E3100, and E3101. The elevation of Utah Lake was sufficient to cross the lowered conversion line. Therefore, CUP and other system storage would be converted to priority storage due to the level of Utah Lake reaching the lowered conversion line.

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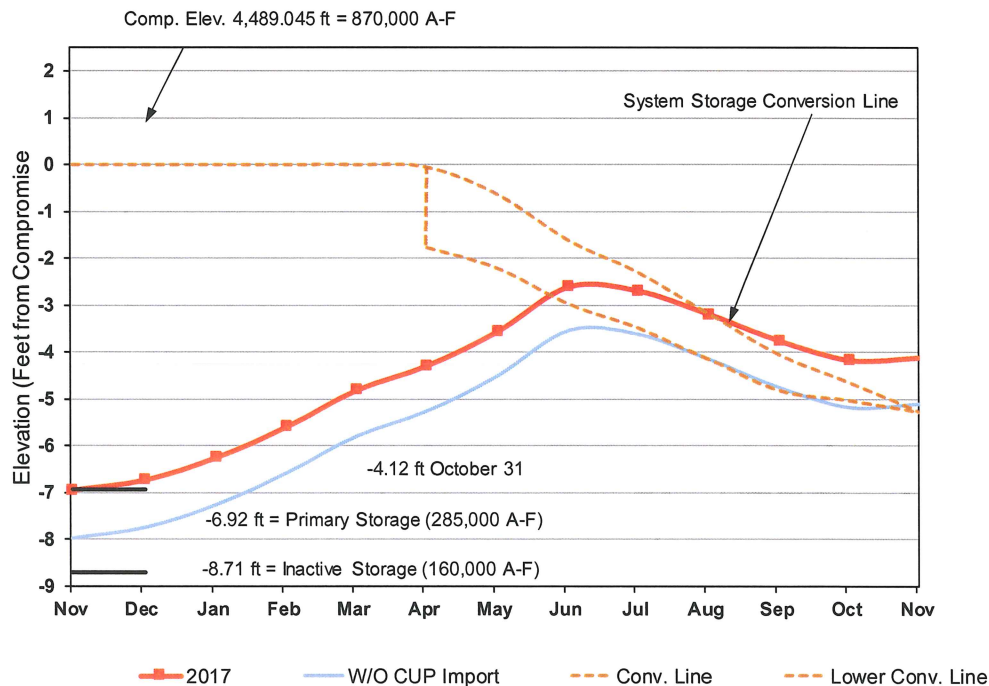
WATER RIGHTS
SALT LAKE

SCANNED RJ

Sources of CUP water in Utah Lake during water year 2017 (November 1, 2016 to October 31, 2017):

- 1) We claim that 72,898 acre-feet of import water, under application A36639, was carried over from water year 2016, subject to incremental evaporation, in Utah Lake.
- 2) We claim that water has been conveyed directly from Strawberry Reservoir to Utah Lake under A36639. A total of 15,207 acre-feet was conveyed to and stored in Utah Lake from November 1, 2016, through October 31, 2017. We are estimating the volume conveyed for the last few days of October. We understand that this will be adjusted for incremental evaporation, even in current year accounting. 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 2016 under A36639 in the amount of 5,194 acre-feet. The amount of CUP water, delivered for irrigation use in South Utah County for October 2017 has not been completely reported to us by the Spanish Fork River Commissioner. When these values are reported to us, we will then claim that 35 percent of this amount, subject to incremental evaporation, be credited to CUP water in Utah Lake under A37093.

Utah Lake



Please see the following tables showing our calculations for the above including calculations for incremental evaporation, which we estimate in the amount of 11,580 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 import water amount (carryover, direct, and return flow) claimed in Utah Lake, estimated for the end of the water year, and adjusted for incremental evaporation, is 81,619 acre-feet.

CUP Import Water in Utah Lake WY2017

	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	72,898	*
Nov	1,411			-901	510	73,408	
Dec	1,240			-339	901	74,309	
Jan	1,240			-218	1,022	75,331	
Feb	1,120			-193	927	76,258	
Mar	1,265			-221	1,044	77,302	
Apr	1,235			-365	870	78,172	
May	1,324			-605	719	78,891	
Jun	994	589	206	-875	325	79,216	
Jul	1,080	5,687	1,990	-1,729	1,341	80,557	
Aug	1,019	7,311	2,559	-2,467	1,111	81,668	
Sep	1,502	1,253	439	-2,258	-317	81,351	
Oct ** Estimate	1,777			-1,409	368	81,719	
Total	15,207	14,840	5,194	-11,580	8,821		
* Carryover from WY2016 adjusted for incremental evaporation							

Incremental Evaporation from CUP Import Water in Utah Lake WY2017

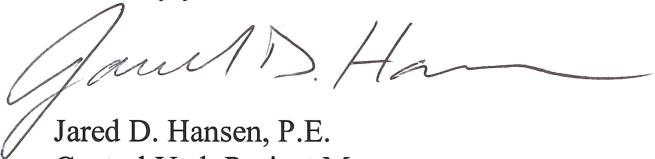
		EOM	EOM			
		Surface Area	Surface Area	Incremental	Incremental	
	EOM	w/ CUP	w/o CUP	Increase in	Evaporation	Incremental
	Elevation	Import Water	Import Water	Surface Area	kc=1.35	Evaporation
Time Period	feet bel. Comp.	acres	acres	acres	inches	acre-feet
Nov	-6.73	74,247	70,385	3,862	2.80	901
Dec	-6.25	75,937	72,371	3,566	1.14	339
Jan	-5.59	78,199	74,798	3,401	0.77	218
Feb	-4.81	80,792	77,579	3,214	0.72	193
Mar	-4.29	82,479	79,356	3,122	0.85	221
Apr	-3.55	84,823	81,840	2,983	1.47	365
May	-2.61	87,424	84,902	2,521	2.88	605
Jun	-2.70	87,207	84,600	2,607	4.03	876
Jul	-3.20	85,912	82,914	2,998	6.92	1,729
Aug	-3.77	84,132	80,958	3,174	9.33	2,467
Sep	-4.18	82,831	79,567	3,264	8.30	2,258
Oct ** Estimate	-4.10	83,086	79,828	3,258	5.19	1,409

Water Available for CUP in Utah Lake

Category	acre-feet
Import from Water Year 2016	72,898
A36639 directly conveyed to Utah Lake for exchange under E398	15,207
A36639 return flow in south Utah County area for exchange under A37093 and E398	5,194
Less Incremental Evaporation Loss on the above	-11,580
Total CUP import water in Utah Lake available for Exchange	81,719
E4319	7,900
E3101	16,862
E3100	57,073
Total Available for Exchange under E4319, E3100, E3101	81,835
Amount remaining for Exchange under E4319, E3100, E3101	0
Total CUP import water in Utah Lake available for Exchange	81,719
CUP Import Water in Utah Lake Required for Provo River Storage Exchange	0
Total CUP import water in Utah Lake available for Exchange	81,719

When data for the water year is finalized, and if necessary, this report will be updated and resubmitted to you. Please contact me if you have any questions or need additional data.

Sincerely yours,



Jared D. Hansen, P.E.
Central Utah Project Manager

JDH:

cc: Kent Jones – State Engineer
Stan Roberts – Provo River Commissioner
John Mendenhall – Spanish Fork River Commissioner
John Larsen – Utah Lake/Jordan River Commissioner
Mike DeVries – Metropolitan Water District of Salt Lake and Sandy
Richard Bay – Jordan Valley Water Conservancy District
Keith Denos – Provo River Water Users Association
Wayne Pullan – U.S. Bureau of Reclamation
Rachel Musil – U.S. Bureau of Reclamation
Reed Murray – U.S. Department of Interior