



IN REPLY REFER TO:

United States Department of the Interior

BUREAU OF RECLAMATION
Columbia Pacific Northwest Interior Region 9
Columbia-Cascades Area Bend Field Office
1375 SE Wilson Ave Suite 100
Bend, OR 97702



CCA-1000
2.2.4.23

VIA ELECTRONIC, FEDEX AND/OR U.S. MAIL

To: Prineville Reservoir Storage Contractors

Subject: Final Water Year 2022 Prineville Reservoir Carryover Storage Amount, Prineville Reservoir, Crooked River Federal Reclamation Project, Oregon

Dear Ladies and Gentlemen:

This letter is being sent to inform Crooked River Project contractors of their Final Water Year (WY) 2022 Prineville Reservoir Carryover Storage amount—i.e., the amount of each contractor's WY 2022 storage allocation that was not released and remained in Prineville Reservoir as of October 1. Your Final WY 2022 Prineville Reservoir Carryover Storage amount can be found in the green-highlighted Column V on Attachment 3.

We appreciate the coordination among storage contract holders this season to follow the procedures for requesting the release of storage. Reclamation will continue to require that storage contract holders follow similar procedures in WY 2023 and in future years, regardless of the amount of water stored in Prineville Reservoir, so that an accurate determination of each contractor's carryover storage can be made at the end of each season. The WY 2023 procedure will be posted on the Reclamation website prior to the start of the irrigation season at:

<https://www.usbr.gov/pn/cao/projects/PrinevilleResStorage/PrinevilleResStorage.html>

If you have any questions, please contact Mr. Gregg Garnett, Bend Field Office Manager, at (541) 389-6541, ext 226.

Sincerely,

GREGG GARNETT Digitally signed by GREGG GARNETT
Date: 2022.10.21 10:20:46 -07'00'

Gregg Garnett
Bend Field Office Manager

Attachments:

Attachment 3: Final Storage Carryover Table

Attachment 3A: Final Storage Carryover Table Descriptions



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cc Email:

William Nashem, OWRD
Bruce Scanlon, Ochco Irrigation District
Kyle Gorman, OWRD
Peter Cooper, Reclamation

Attachment 3: Final Storage Carryover Table

October 1, 2022

Prineville Reservoir Storage Contracts			Final Water Year 2022 Storage Carryover												
A	B	C	M	N	O	P	Q	R	S	T	U	V	W		
Contractor	Contract Amount (acre-feet)	% of Contracted	WY2022 Preliminary Storage Allocation After Loss (acre-feet)	Storage Released through 9/30/2022 (acre-feet)	WY2022 Preliminary Storage Carryover (acre-feet) M-N	Previously Reserved for Projected 10 cfs Releases from Storage 10/1-10/26 (acre-feet)	Previously Reserved Estimated Sedimentation Loss at 9/30 Reservoir Level (acre-feet)	Credit for Previously Reserved 10 cfs Releases from Storage 9/1-9/30 not released (acre-feet)	Physical Content Adjustment (acre-feet)	WY2022 Revised Preliminary Storage Carryover (acre-feet) O+R+S	Distribute NUID Temp Contract Remaining to other contractors with carryover privileges (acre-feet)	FINAL WY2022 Storage Carryover (acre-feet) T+U	FINAL WY2022 Storage Carryover (% of Contract)		
Ochoco Irrigation District	57,899	67.24%	31,174	26,335	4,840	268	640	311	3,001	8,153	435	8,588	15%		
Peoples Irrigation Co.	3,497	4.06%	2,123	2,201	-78	16	39	19	181	122	26	148	4%		
Uluapalua Ranch, Inc.	2,176	2.53%	1,321	1,462	-141	10	24	12	113	-16	16	0	0%		
Quail Valley Ranch, LLC	1,243	1.44%	754	673	82	6	14	7	64	153	9	162	13%		
Quail Valley Ranch II, LLC	1,205	1.40%	731	595	137	6	13	6	62	206	9	215	18%		
City of Prineville	724	0.84%	439	0	439	3	8	4	38	481	5	486	67%		
William Sigman	350	0.41%	212	0	212	2	4	2	18	232	3	235	67%		
Low Line Ditch Company	330	0.38%	200	0	200	2	4	2	17	219	2	222	67%		
Jack & Kathryn Riley	286	0.33%	174	0	174	1	3	2	15	190	2	192	67%		
Larry & Barbara Goss	135	0.16%	82	0	82	1	1	1	7	90	1	91	67%		
Butler Ranch, Inc.	104	0.12%	63	0	63	0	1	1	5	69	1	70	67%		
Neary Living Trust	97	0.11%	59	5	54	0	1	1	5	59	1	60	62%		
South Valley Bank & Trust	84	0.10%	51	0	51	0	1	0	4	56	1	56	67%		
Clara Varcos	50	0.06%	30	0	30	0	1	0	3	33	0	34	67%		
Crooked River Water LLC	39	0.05%	24	0	24	0	0	0	2	26	0	26	67%		
Crooked River Water LLC	19	0.02%	12	0	12	0	0	0	1	13	0	13	67%		
Nick & Mary Maitthonis	19	0.02%	12	10	2	0	0	0	1	3	0	3	16%		
Robert Dellenback	16	0.02%	10	0	10	0	0	0	1	11	0	11	67%		
McKay Creek Land (OID)	2,740	3.18%	1,062	0	1,062	13	30	15	142	1,219	21	1,240	45%		
NUID Temp Contract	10,000	11.61%	3,877	3,877	0	46	111	54	518	572	-572	0	0%		
City of Prineville 5100	5,100	5.92%	1,977	0	1,977	24	56	27	264	2,269	38	2,307	45%		
Contracted Storage Totals	86,113	100%	44,388	35,156	9,232	398	952	463	4,464	14,159	0	14,159	16%		
Uncontracted Storage	62,520		0	0	0	0	0	0	0	0	0	0	0%		
Total Active Capacity	148,633		44,388	35,156	9,232	398	952	463	4,464	14,159	0	14,159	10%		

Attachment 3A: Final Storage Carryover Table Descriptions

October 1, 2022

Column	Column Title	Column Description
A	Contractor	The name of each contractor
B	Contract Amount (acre-feet)	The amount of the storage contract space for each contractor
C	% of Contracted	The % of the total contracted space for each contractor
M	WY2022 Preliminary Storage Allocation After Loss (acre-feet)	WY2022 Storage Allocation After Loss for each account calculated on the day of allocation, June 18, 2022
N	Storage Released through 9/30/2022 (acre-feet)	Storage released for Ochocho Irrigation District, People Irrigation Co., Ulupalakua Ranch, Inc., Quail Valley Ranch, LLC, and Quail Valley Ranch II, LLC. was determined by the watermaster per contractor request on 5/23/2022 to OIB to a) have OIB release their storage from Prineville Reservoir and b) have the Watermaster make the determination of the amount of storage released. Storage released for other contractors was determined from storage release orders received by OIB throughout the season.
O	WY2022 Preliminary Storage Carryover (acre-feet)	Preliminary carryover determined by subtracting column N from column M.
P	Previously Reserved for Projected 10 cfs Releases from Storage 10/1-10/26 (acre-feet)	398 acre-feet of New Fill was previously reserved proportionally on the day of allocation to provide 10 cfs of releases from Prineville Dam during the period October 1 through the estimated date when natural flow into the reservoir becomes greater than 10 cfs (10/26) or releases past the dam of more than 10 cfs are being made for other purposes (including the Deschutes Basin Habitat Conservation Plan). Inflow projections were based on minimum flow data from 1993-2021 period for the Prineville River above Reservoir near Post gauge (CRPD); the volume has been calculated as that amount necessary to supplement the reservoir inflow.
Q	Previously Reserved Estimated Sedimentation Loss at 9/30 Reservoir Level (acre-feet)	Storage allocations on the day of allocation were adjusted proportionally based on Contract Amount to account for approximately 1,517 acre-feet of sedimentation that is estimated to have occurred in the contracted space below the 2022 day of allocation reservoir elevation since the time of the 1998 Prineville Reservoir Sedimentation Survey: (https://www.usbr.gov/tsc/techreferences/reservoir/Prineville%20Reservoir%201998%20Sedimentation%20Survey.pdf). The estimate is based on guidance provided in the study that used a theoretical distribution of future sediment in the reservoir computed using the Empirical Area Reduction Method. 952 acre-foot of the previously adjusted 1,517 acre-feet of sediment is estimated to remain below the 2022 carryover reservoir elevation.
R	Credit for Previously Reserved 10 cfs Releases from Storage 9/1-9/30 not released (acre-feet)	594 acre-feet of New Fill was previously reserved proportionally to provide 10 cfs of releases from Prineville Dam during the month of September following the end of the irrigation season. Only 431 acre-feet of storage needed to be released for the 10 cfs release during September. The remainder, 463 acre-feet, which was not released is being credited back proportionally to the contractors.
S	Physical Content Adjustment (acre-feet)	Storage allocations were previously adjusted on the day of allocation proportionally based on Allocation before Loss to account for estimated reservoir losses (e.g. evaporation, seepage, etc.). Less loss occurred than anticipated during the WY2022 season, resulting in more physical storage remaining in the reservoir (15,509 acre-feet) than the sum of Preliminary Storage Carryover (Column O), Previously Reserved 10 cfs for October (Column P), Previously Reserved for Sedimentation (Column Q), and Previously Reserved 10 cfs for September not released (Column R). The result is a proportional adjustment of 4,464 acre-feet to the contractors.
T	WY2022 Revised Preliminary Storage Carryover (acre-feet)	WY2022 Revised Preliminary Storage Carryover is the sum of Preliminary Storage Carryover (Column O), Credit for 10 cfs September not released (Column R) and Physical Content Adjustment (Column S).
U	Distribute NUID Temp Contract Remaining to other contractors with carryover privileges (acre-feet)	The 572 acre-feet of Revised Preliminary Storage Carryover attributed to the NUID Temp Contract account was redistributed proportionally to contract holders with carryover privileges since NUID Temp Contract account does not have carryover privileges.
V	FINAL WY2022 Storage Carryover (acre-feet)	FINAL WY2022 Storage Carryover for each account is calculated as Revised Preliminary Storage Carryover (Column T) + NUID Temp Contract distribution (Column U). This is the amount of carryover each contractor has going into WY2023.
W	FINAL WY2022 Storage Carryover (% of Contract)	FINAL WY2022 Storage Carryover (% of Contract) is calculated as FINAL WY2022 Storage Carryover (Column V) ÷ Contract Amount (Column B).