

The Official Water Supply Forecasts for January through July are computed on the 3rd workday of the month. Flood Risk Management (FRM) is computed at standard intervals and posted at: <https://www.nwd.usace.army.mil/CRWM/Forecasts/>

The **APRIL** Water Supply Forecast sets BiOp actions as highlighted in the table below:

Forecast Point	Forecast period	Forecast	BiOp Actions to be Determined
Hungry Horse	April – August Provided by Reclamation	January, February, March	Sets min. flows at Hungry Horse and Columbia Falls
	May – September Provided by Reclamation	January, February, March	Sets VARQ FRM targets
		April	Sets VARQ FRM targets and VARQ refill flows
		May	Sets VARQ refill flows Sets end of September draft target
		June	Sets VARQ refill flows
The Dalles	April – September Provided by NWRFC	March	Sets Columbia River Water Management Program (CRWMP) adjustments at Grand Coulee
	April – August Provided by NWRFC	April	Sets spring flow objective at McNary Dam
		July	Sets end of August draft limit at Grand Coulee
Lower Granite	April – July Provided by NWRFC	April	Sets spring flow objective at Lower Granite
		June	Sets summer flow objective at Lower Granite
Libby	April – August Provided by Corps Seattle District	December	Sets end of December FRM draft requirement
		January, February, March	Sets VARQ FRM requirement
		April	Sets VARQ FRM requirement and VARQ refill flows
		May	Sets Libby min. sturgeon flow volume and min. bull trout flows for after sturgeon pulse through Sep Sets VARQ FRM targets and VARQ refill flows Sets end of September draft target
		June	VARQ refill flows
Dworshak	April – July Provided by NWRFC	January to March	Manage for reservoir FRM, VDL, and Flood Control Refill Curve (FCRC)
		April to June	Manage for reservoir FRM and FCRC

Source: 2026 Water Management Plan, page 15 - <https://public.crohms.org/tmt/documents/wmp/2026/>

3-Apr-2026

Hungry Horse Dam – Official Water Supply Forecast APRIL 2026

Below are the volumes for the April 2026 final forecast for Hungry Horse:

- Apr-Jul: 1,837 kaf (93%)
- Apr-Aug: 1,898 kaf (93%)
- May-Jul: 1,432 kaf (86%)
- May-Sep: 1,539 kaf (86%)

The minimum flows downstream of Hungry Horse are as follows:

- Columbia Falls: 3,500 cfs
- Hungry Horse: 900 cfs

Chris Runyan

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Water Management | Operations Group
Boise, ID 83706



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COLUMBIA - THE DALLES DAM (TDAO3) Forecasts for Water Year 2026

Official Water Supply

ESP with 10 Days QPF Ensemble: 2026-04-03 Issued: 2026-04-03

Forecast Period	Forecasts Are in KAF				30 Year Average (1991-2020)
	90 %	50 %	% Average	10 %	
APR-SEP	83696	89562	95	99210	94166
APR-JUL	70435	76229	93	85203	81933
APR-AUG	77896	83904	94	94042	89196
JAN-SEP	108891	114757	99	124405	115946
JAN-JUL	95630	101424	98	110398	103714
OCT-SEP	128777	134642	102	144290	132314

Experimental Water Supply

HEFS with 15 days EQPF Ensemble: 2026-04-03 Issued: 2026-04-03

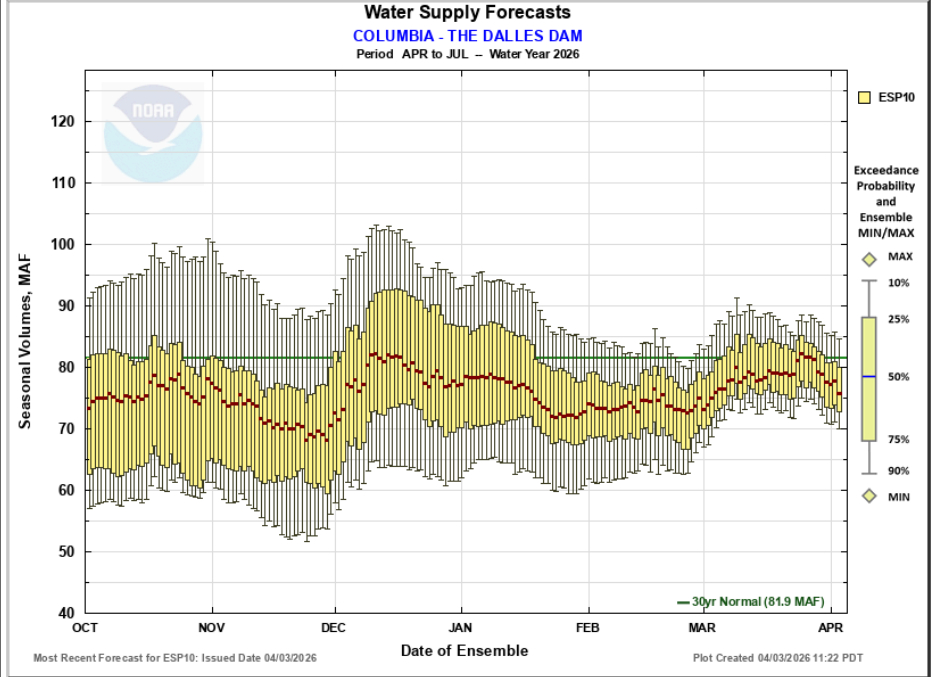
APR-SEP	85956	91677	97	100630	94166
APR-JUL	73068	79690	97	86690	81933
APR-AUG	80771	86880	97	94963	89196
JAN-SEP	111151	116872	101	125825	115946
JAN-JUL	98263	104885	101	111885	103714
OCT-SEP	131037	136758	103	145710	132314

Reference

ESP with 0 Days QPF Ensemble: 2026-04-03 Issued: 2026-04-03

APR-SEP	86780	94159	100	101271	94166
APR-JUL	73757	81111	99	87513	81933
APR-AUG	81514	88840	100	95825	89196
JAN-SEP	111975	119354	103	126466	115946
JAN-JUL	98952	106306	102	112708	103714
OCT-SEP	131861	139240	105	146351	132314

Move the mouse over the desired "Forecast Period" to display a graph.



Most Recent Forecast for ESP10: Issued Date 04/03/2026 Plot Created 04/03/2026 11:22 PDT

Max Scale
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Overlay

ESP10 HEFS ESP0

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CSV (ESP10 / APR-AUG)

Forecast Ensemble



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SNAKE - LOWER GRANITE DAM (LGDW1)
Forecasts for Water Year 2026

Official Water Supply

ESP with 10 Days QPF Ensemble: 2026-04-03 Issued: 2026-04-03

Forecast Period	Forecasts Are in KAF				30 Year Average (1991-2020)
	90 %	50 %	Average	10 %	
APR-SEP	15017	16523	74	19961	22232
APR-JUL	12998	14254	71	17467	19946
APR-AUG	13973	15423	73	18727	21121
JAN-SEP	22518	24025	81	27462	29736
JAN-JUL	20500	21756	79	24969	27450
OCT-SEP	27755	29261	85	32699	34287

Experimental Water Supply

HEFS with 15 days EQPF Ensemble: 2026-04-03 Issued: 2026-04-03

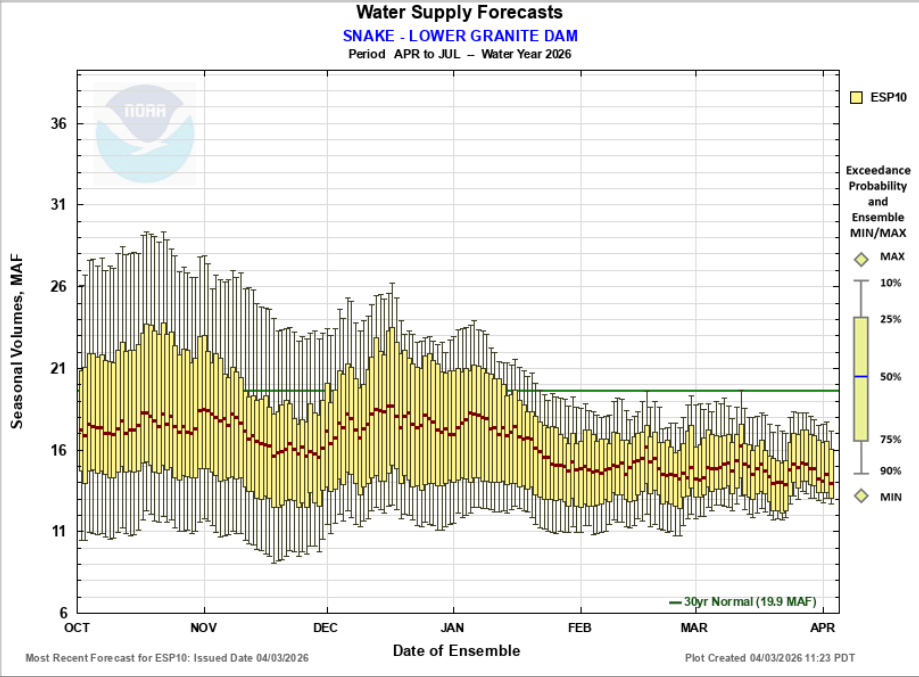
Forecast Period	90 %	50 %	Average	10 %	30 Year Average (1991-2020)
APR-SEP	15312	17158	77	20389	22232
APR-JUL	13162	14932	75	18035	19946
APR-AUG	14239	16020	76	19255	21121
JAN-SEP	22814	24659	83	27891	29736
JAN-JUL	20663	22433	82	25536	27450
OCT-SEP	28050	29896	87	33127	34287

Reference

ESP with 0 Days QPF Ensemble: 2026-04-03 Issued: 2026-04-03

Forecast Period	90 %	50 %	Average	10 %	30 Year Average (1991-2020)
APR-SEP	15673	18078	81	21379	22232
APR-JUL	13546	15810	79	18816	19946
APR-AUG	14588	17023	81	20119	21121
JAN-SEP	23175	25579	86	28880	29736
JAN-JUL	21047	23311	85	26317	27450
OCT-SEP	28411	30816	90	34117	34287

Move the mouse over the desired "Forecast Period" to display a graph.



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Overlay

ESP10 HEFS ESP0

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Libby : April Runoff Forecast & Flood Risk Management Calculation

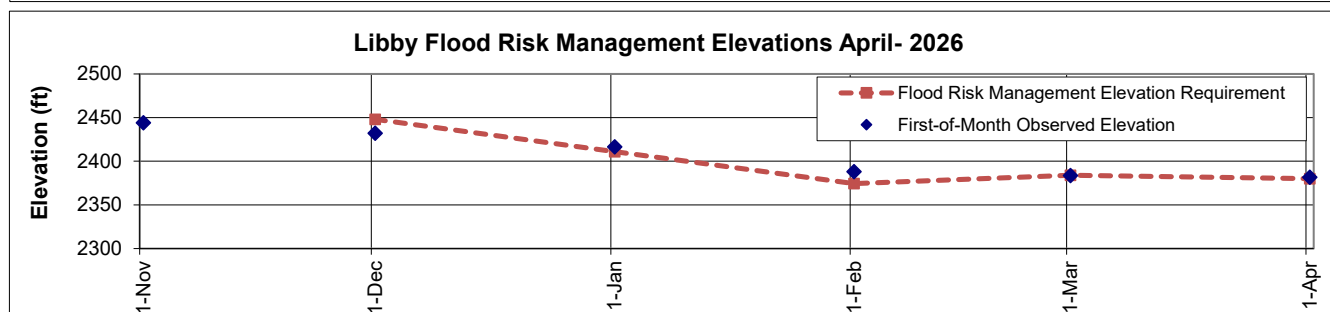
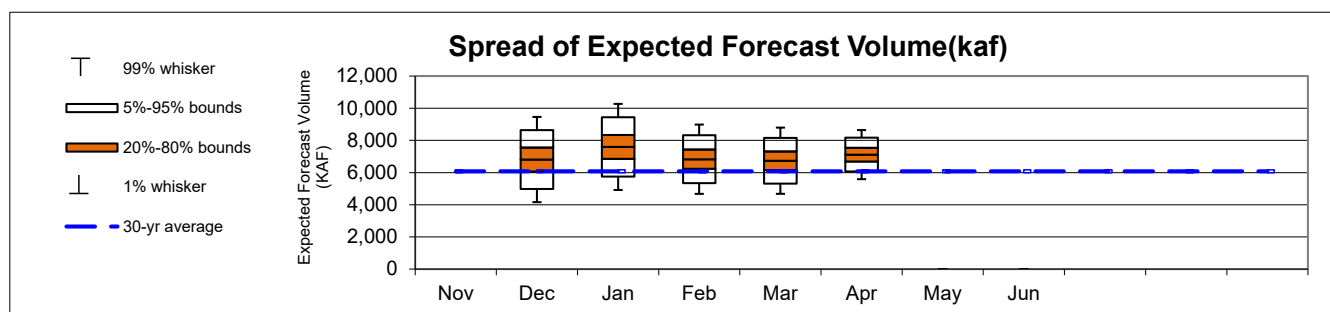
WY 2026

Runoff Forecast	April	1991-2020 Average	1991 - 2020 Percent of Average	1929-2020 Average	1929 - 2020 Percent of Average
Most Probable Runoff Volume: Apr-Aug (kaf)	7117	6080	117%	6259	114%
Most Probable Runoff Volume: Apr-Jul (kaf)	6520	5570	117%	5708	114%
Most Probable Runoff Volume: May-Jul (kaf)	5869	5014	117%	5183	113%

Flood Risk Management	April
30-Apr Flood Risk Management Space (kaf)	3425
30-Apr Flood Risk Management Elevation (ft)	2363.6

Forecast/Reservoir Data	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Apr-Aug Runoff Forecast (kaf)		6811	7595	6831	6738	7117		
First-of-Month Elev (ft)	2444.1	2432.3	2416.7	2388.1	2383.7	2381.8		

Seasonal FRM Requirements	30-Nov	31-Dec	31-Jan	28-Feb	31-Mar	30-Apr		
Flood Risk Management Space (kaf)	500	2000	3138	2871	2978	3425		
Flood Risk Management Elevation (ft)	2448.0	2411.0	2374.4	2383.9	2380.2	2363.6		



Notes:

- The given forecast is the official Corps of Engineers forecast for Libby. If you have any questions please contact David Varner (206) 316-3155, Leon Basdekas (208) 353-2564, Jason Chang (206) 764-3528, Lumas Helaire (206) 316-3875, Ethan Cheng (206) 572-2798, Piper Klinger (206) 764-6843, or David Doll (206) 316-3003.
- If a prior month's forecast as published in this document is different than what was originally published in the issue month, then the earlier forecast has been adjusted to reflect updated values for precipitation or streamflow.

Libby : April Runoff Forecast & Flood Risk Management Calculation
Apr-Aug Runoff Forecast Calculation:

Variable	Month(s)	Units	Observed Value A	Percent of Average (1991-2020)	Regression Coefficient B	Marginal Runoff (KAF) =A*B
SOI	ΣJun:Jul					
Eureka RS, MT	ΣOct:Mar Prcp	inches	8.13	130%	68.52	557.1
West Glacier, MT	ΣOct:Mar Prcp	inches	21.45	121%	29.47	632.0
Cranbrook A, BC	ΣOct:Mar Prcp	millimeters	168.30	97%	2.99	503.2
Fernie, BC	ΣOct:Mar Prcp	millimeters	915.33	134%	0.71	649.9
Hawkins Lake, MT	1-Apr SWE	inches	21.40	83%	22.43	480.0
Stahl Peak, MT	1-Apr SWE	inches	34.10	95%	19.70	671.8
East Creek, BC	1-Apr SWE	millimeters	1390.20	156%	0.73	1014.8
Moyie Mountain, BC	1-Apr SWE	millimeters	394.60	89%	1.21	477.5
Sunshine Village, AB	1-Apr SWE	millimeters	768.00	136%	1.43	1098.2
Akamina Pass, AB	1-Apr SWE	millimeters	464.60	99%	0.72	334.5
South Racehorse Creek, AB	1-Apr SWE	millimeters	464.50	112%	1.35	627.1
Intercept			1		70.54	70.5
January Forecast	April - August	kaf				7116.6

Data used in Libby Water Supply Forecast

Climate Data	Jun-22	Jul-22
SOI	0.30	0.60

Precipitation Data	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
Eureka RS, MT (inch)	1.18	2.08	2.51	0.40	1.01	0.95		
West Glacier, MT (inch)	3.50	5.68	5.12	1.36	1.31	4.48		
Cranbrook A, BC (mm)	19.40	36.20	57.10	12.50	28.20	14.90		
Fernie, BC (mm)	113.03	221.74	189.65	93.47	82.04	215.39		

Snow Water Equiv	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Hawkins Lake, MT (inch)				17.7	20.4	21.4		
Stahl Peak, MT (inch)			20.9	24.5	28.7	34.1		
East Creek, BC (mm)				924.6	1056.0	1390.2		
Moyie Mountain, BC (mm)			207.5	279.6	377.4	394.6		
Sunshine Village, AB (mm)			436.0	498.0	565.0	768.0		
Akamina Pass, AB (mm)				336.2	379.7	464.6		
South Racehorse Creek, AB (mm)				261.0	330.0	464.5		

Streamflow	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Libby Inflow Volume (kaf)			329.9	214.9	560.8			

Reservoir Elevation	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Libby FOM Elev (feet)	2444.1	2432.3	2416.7	2388.1	2383.7	2381.8		

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 Interim Upper Columbia Senior Water Manager
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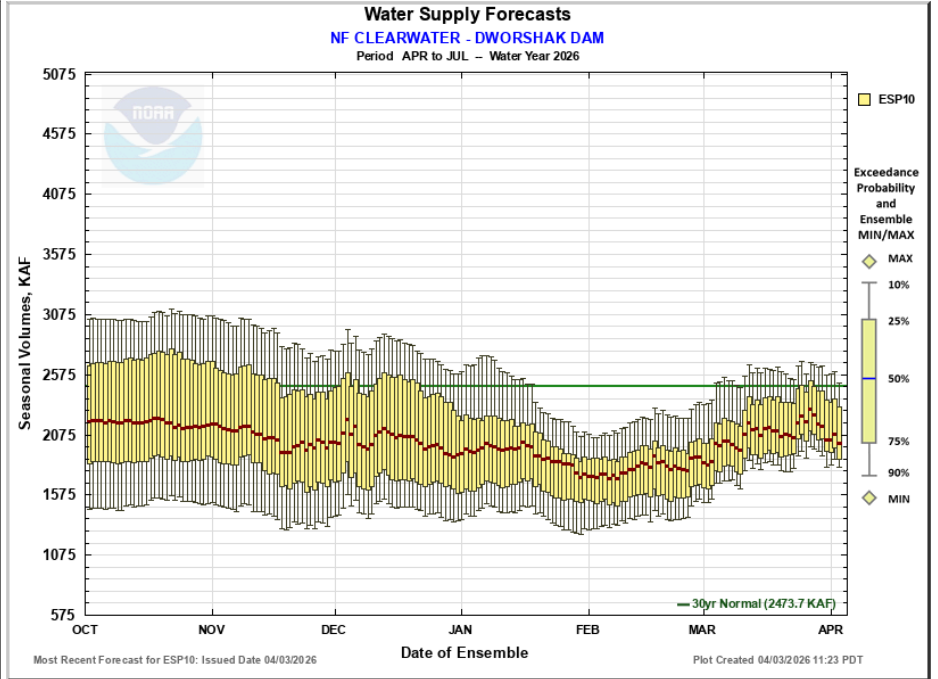
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NF CLEARWATER - DWORSHAK DAM (DWR11) Forecasts for Water Year 2026					
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Forecast Period	Forecasts Are in KAF				30 Year Average (1991-2020)
	90 %	50 %	% Average	10 %	
APR-SEP	1922	2135	82	2637	2620
APR-JUL	1806	2009	81	2503	2474
JAN-SEP	3223	3437	97	3939	3543
JAN-JUL	3107	3310	97	3805	3397
OCT-SEP	4109	4322	108	4824	3998
Experimental Water Supply					
HEFS with 15 days EQPF Ensemble: 2026-04-03 Issued: 2026-04-03					
APR-SEP	1953	2177	83	2710	2620
APR-JUL	1836	2056	83	2559	2474
JAN-SEP	3254	3478	98	4011	3543
JAN-JUL	3137	3358	99	3861	3397
OCT-SEP	4140	4363	109	4897	3998
Reference					
ESP with 0 Days QPF Ensemble: 2026-04-03 Issued: 2026-04-03					
APR-SEP	2043	2313	88	2813	2620
APR-JUL	1919	2193	89	2669	2474
JAN-SEP	3344	3615	102	4114	3543
JAN-JUL	3221	3494	103	3970	3397
OCT-SEP	4229	4500	113	5000	3998

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