

The Official Water Supply Forecast for January through July is computed on the 3rd work day of the month. Flood Risk Management (FRM) is computed at standard intervals and posted at: www.nwd.usace.army.mil/Missions/Water/Columbia/FloodControl

The JULY 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 Final	Sets min. flows at Hungry Horse and Columbia Falls
	May – September Provided by Reclamation	January, February, March Final	Sets VARQ FRM targets
		April Final	Sets VARQ FRM targets and VARQ refill flows
		May, June Final	Sets VARQ refill flows
The Dalles	April – September Provided by NWRFC	March Final	Sets CRWMP adjustments at Grand Coulee
	April – August Provided by NWRFC	April Final	Sets spring flow objective at McNary Dam
		May Final	Sets end of September draft limits at Hungry Horse and Libby
		July Final	Sets end of August draft limit at Grand Coulee
Lower Granite	April – July Provided by NWRFC	April Final	Sets spring flow objective at Lower Granite
		June Final	Sets summer flow objective at Lower Granite
Libby	April – August Provided by Corps Seattle District	December Final	Sets end of December variable draft target
		January, February, March Final	Sets VARQ FRM targets
		April Final	Sets VARQ FRM targets and VARQ refill flows
		May Final	Sets Libby min. sturgeon flow volume and min. bull trout flows for after sturgeon pulse through Sept. Sets VARQ FRM targets and VARQ refill flows
		June Final	VARQ refill flows
Dworshak	April – July Provided by Corps Walla Walla District	January to June Final	Manage for reservoir FRM and refill

Source: 2020 Water Management Plan, page 13:
<http://pweb.crohms.org/tmt/documents/wmp/2020/>



Northwest River Forecast Center Water Supply Forecasts

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COLUMBIA - THE DALLES DAM (TDAO3) Forecasts for Water Year 2020

Official Water Supply

ESP with 10 Days QPF Ensemble: 2020-07-08 Issued: 2020-07-08

Forecast Period	Forecasts Are in KAF				30 Year Average (1981-2010)
	90 %	50 %	% Average	10 %	
APR-SEP	97396	98677	106	100710	92704
APR-JUL	84558	84914	106	85307	79855
APR-AUG	92217	93271	107	94124	87532
JAN-SEP	114383	115664	101	117698	114216
JAN-JUL	101546	101902	101	102294	101368
OCT-SEP	126708	127989	98	130023	130518

Experimental Water Supply

HEFS with 15 days EQPF Ensemble: 2020-07-08 Issued: 2020-07-08

Forecast Period	Forecasts Are in KAF				30 Year Average (1981-2010)
	90 %	50 %	% Average	10 %	
APR-SEP	97514	99411	107	102013	92704
APR-JUL	84644	85483	107	86433	79855
APR-AUG	92564	93733	107	95691	87532
JAN-SEP	114502	116399	102	119001	114216
JAN-JUL	101632	102471	101	103421	101368
OCT-SEP	126827	128723	99	131326	130518

Reference

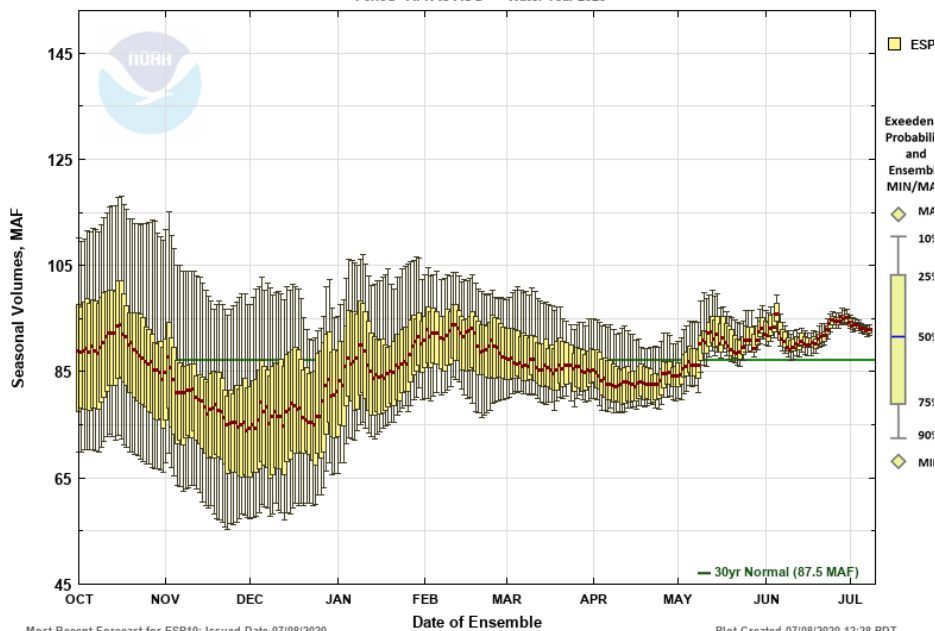
ESP with 0 Days QPF Ensemble: 2020-07-08 Issued: 2020-07-08

Forecast Period	Forecasts Are in KAF				30 Year Average (1981-2010)
	90 %	50 %	% Average	10 %	
APR-SEP	97572	99198	107	102128	92704
APR-JUL	84785	85542	107	86450	79855
APR-AUG	92584	93947	107	95574	87532
JAN-SEP	114559	116186	102	119115	114216
JAN-JUL	101773	102530	101	103438	101368
OCT-SEP	126884	128510	98	131440	130518

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

Water Supply Forecasts

COLUMBIA - THE DALLES DAM
Period APR to AUG -- Water Year 2020



Most Recent Forecast for ESP10: Issued Date 07/08/2020 Plot Created 07/08/2020 12:28 PDT

☐ Max Scale ☒ Scale To Data ☐ Scale To Last 45 Days ☐ Show Min/Max Ensemble Volume ☐ Show Tooltips Help

Overlay

ESP10 HEFS ESP0

Data Files

CSV (ESP10 / APR-AUG)

Forecast Ensemble

COLUMBIA - THE DALLES DAM (TDAO3) Forecasts for Water Year 2021

Official Water Supply

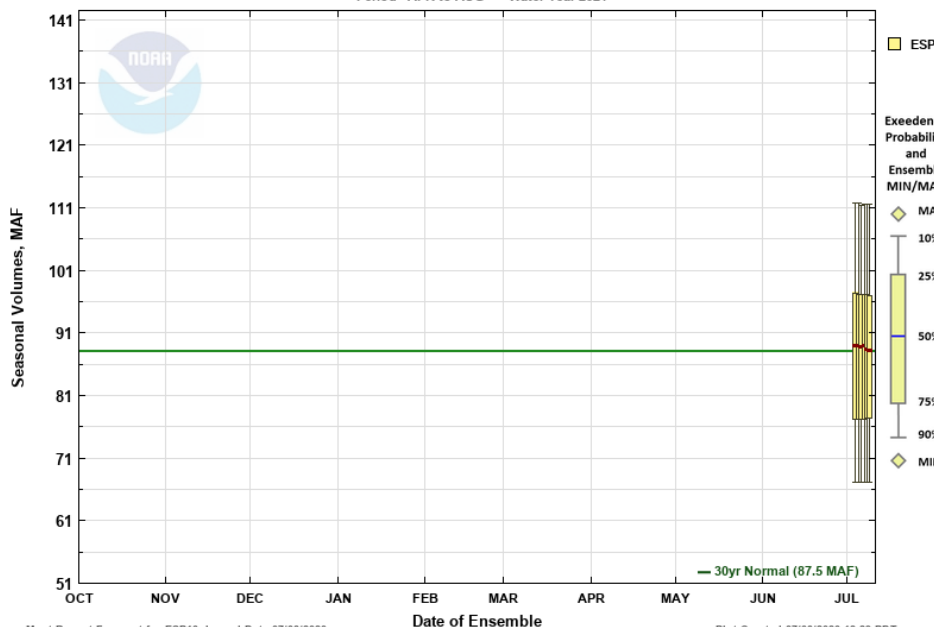
ESP with 10 Days QPF Ensemble: 2020-07-08 Issued: 2020-07-08

Forecast Period	Forecasts Are in KAF				30 Year Average (1981-2010)
	90 %	50 %	% Average	10 %	
APR-SEP	70756	93647	101	116555	92704
APR-JUL	60608	80066	100	101187	79855
APR-AUG	66584	87840	100	111042	87532
JAN-SEP	87702	113332	99	140859	114216
JAN-JUL	77555	99264	98	122518	101368
OCT-SEP	100771	129547	99	159991	130518

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

Water Supply Forecasts

COLUMBIA - THE DALLES DAM
Period APR to AUG -- Water Year 2021



Most Recent Forecast for ESP10: Issued Date 07/08/2020 Plot Created 07/08/2020 12:29 PDT

☐ Max Scale ☒ Scale To Data ☐ Scale To Last 45 Days ☐ Show Min/Max Ensemble Volume ☐ Show Tooltips Help