Northwest River Forecast Center

May 2022 Idaho NWRFC Water Supply Briefing

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Take Home Messages

- Unfortunately, the water supply outlook has not changed dramatically
- Precipitation over the past month was near normal
- Unusually cold temperatures this past month have delayed snowmelt
- 10 day precipitation forecast does not change water supply outlook
- A slightly wetter pattern could persist into June

NWRFC Water Supply Forecast Technique

Climatological Forcings
WY1981-2021

NWRFC
Forecast System

Each forecast has equal chance of occurrence

Summary of ensemble

Snowpack and Seasonal Precipitation

Monthly Observed Temperature Departures

Creation Time: Sunday, May 1, 2022 Northwest River Forecast Center

Creation Time: Wednesday, May 11, 2022 Northwest River Forecast Center

YTD Adjusted Runoff

% Normal Runoff Oct 1- May 11th (last meeting)		
Snake River Basin		
Island Park	65	(67)
Jackson Lake	59	(72)
American Falls	71	(76)
Lucky Peak	63	(69)
Horseshoe Bend	71	(77)
Dworshak	85	(87)
Palouse near Potlach	82	(81)
Ice Harbor	72	(75)

Precipitation Forecast (May 11-21)

CPC One Month Outlook

ESP10 Natural Water Supply Forecasts

% Normal Apr-Sep Volume (last meeting)		
Snake River Basin		
Island Park	69	(72)
Jackson Lake	69	(62)
American Falls	73	(77)
Lucky Peak	76	(77)
Horseshoe Bend	79	(77)
Dworshak	103	(94)
Palouse near Potlach	78	(66)
Ice Harbor	83	(80)

ESP10 Apr-Sep Nat Water Supply Forecasts

SNAKE - ICE HARBOR DAM (IHDW1)
Forecasts for Water Year 2022

Official Water Supply

ESP with 10 Days QPF **Ensemble:** 2022-05-11 **Issued:** 2022-05-11

Forecast Period	Forecasts Are in KAF				30 Year Average (1991-2020)
	90 %	50 %	% Average	10 %	
APR-SEP	19086	20038	83	22147	24034
APR-JUL	16912	17749	82	19683	21667
JAN-SEP	24971	25923	81	28033	31857
JAN-JUL	22798	23634	80	25569	29490
OCT-SEP	28907	29860	82	31969	36445

Experimental Water Supply

HEFS with 15 days EQPF **Ensemble:** 2022-05-11 **Issued:** 2022-05-11

APR-SEP	19359	20404	85	23508	24034
APR-JUL	17119	18066	83	21078	21667
JAN-SEP	25245	26289	83	29393	31857
JAN-JUL	23005	23952	81	26964	29490
OCT-SEP	29181	30226	83	33329	36445

Reference

ESP with 0 Days QPF **Ensemble:** 2022-05-11 **Issued:** 2022-05-11

APR-SEP	19546	20786	86	24044	24034
APR-JUL	17340	18485	85	21581	21667
JAN-SEP	25432	26672	84	29929	31857
JAN-JUL	23225	24370	83	27467	29490
OCT-SEP	29368	30608	84	33866	36445

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

https://www.nwrfc.noaa.gov/water_supply/nat_forecasts.php?id=IHDW1

ESP10 Nat Water Supply Volume Monthly Forecasts

https://www.nwrfc.noaa.gov/natural/plot/monthly/monthly_natural_forecasts.php?id=IHDW1

ESP10 Nat Water Supply Volume Monthly Forecasts

Ice Harbor April 22nd Forecast

Ice Harbor Current Forecast

https://www.nwrfc.noaa.gov/natural/plot/monthly/monthly_natural_forecasts.php?id=IHDW1

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