Northwest River Forecast Center

April 2022 Idaho NWRFC Water Supply Briefing

April 14, 2022

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Take Home Messages

Seasonal river baseflow remains below normal for the year

Precipitation has accumulated at a near normal rate for the past month

10 day precipitation forecast is encouraging

Watersupply forecasts have held steady over past month

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

YTD Adjusted Runoff

% Normal Runoff Oct 1- Apr 14th (last meeting)		
Snake River Basin		
Island Park	67	(70)
Jackson Lake	72	(80)
American Falls	76	(79)
Lucky Peak	69	(75)
Horseshoe Bend	77	(81)
Dworshak	87	(84)
Palouse near Potlach	81	(85)
Ice Harbor	75	(76)

Precipitation Forecast (Apr 14-24)

ESP10 Natural Water Supply Forecasts

% Normal Apr-Sep Volume (last meeting)		
Snake River Basin		
Island Park	72	(73)
Jackson Lake	62	(63)
American Falls	77	(68)
Lucky Peak	77	(75)
Horseshoe Bend	77	(75)
Dworshak	94	(91)
Palouse near Potlach	66	(78)
Ice Harbor	80	(82)

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:** 2022-04-14 **Issued:** 2022-04-14

Forecast Period	Forecasts Are in KAF				30 Year Average (1991-2020)
	90 %	50 %	% Average	10 %	
APR-SEP	17758	19310	80	22618	24034
APR-JUL	15622	17011	79	20275	21667
JAN-SEP	23643	25195	79	28504	31857
JAN-JUL	21507	22897	78	26161	29490
OCT-SEP	27580	29132	80	32440	36445

Experimental Water Supply
HEFS with 15 days EQPF **Ensemble:** 2022-04-13 **Issued:** 2022-04-13

APR-SEP	17232	18925	79	22482	24034
APR-JUL	15049	16665	77	20046	21667
JAN-SEP	23118	24810	78	28368	31857
JAN-JUL	20934	22550	76	25932	29490
OCT-SEP	27054	28746	79	32304	36445

Reference
ESP with 0 Days QPF **Ensemble:** 2022-04-14 **Issued:** 2022-04-14

APR-SEP	16851	18538	77	22246	24034
APR-JUL	14850	16307	75	19876	21667
JAN-SEP	22736	24423	77	28132	31857
JAN-JUL	20735	22192	75	25762	29490
OCT-SEP	26673	28360	78	32068	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

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