

Water Supply Outlook For - Summer 2020

WSAC Aug 7 , 2020
Brent Bower NWS Seattle



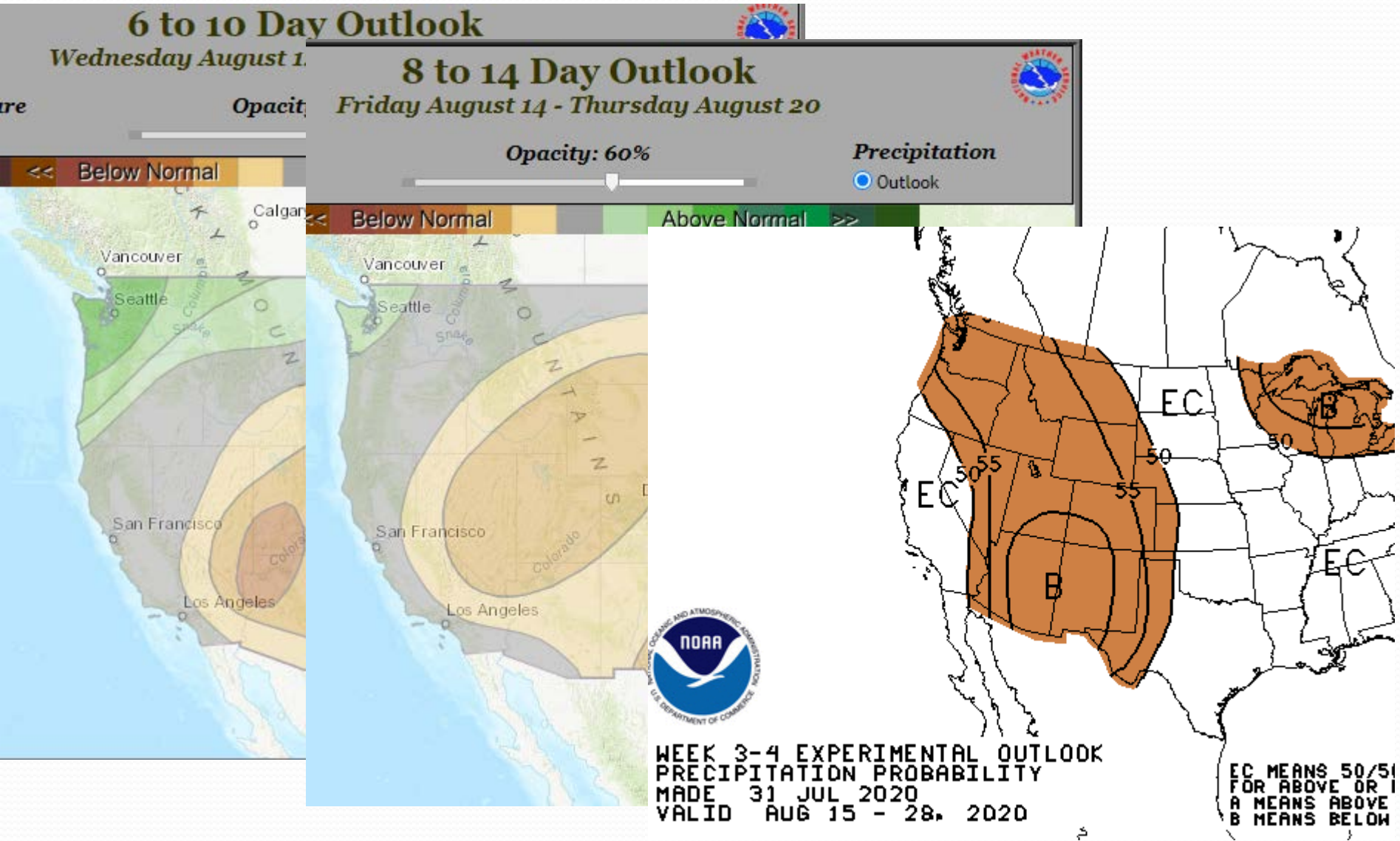
Climate Prediction Center

Summer Outlook:

- Precipitation:
 - Greater than normal over next 2 weeks then odds shift toward below normal
 - August is greater chances below normal
 - Greater chances below normal Aug - Oct
- Temperatures:
 - August is greater chances for warmer
 - Greater chances above normal Aug - Oct

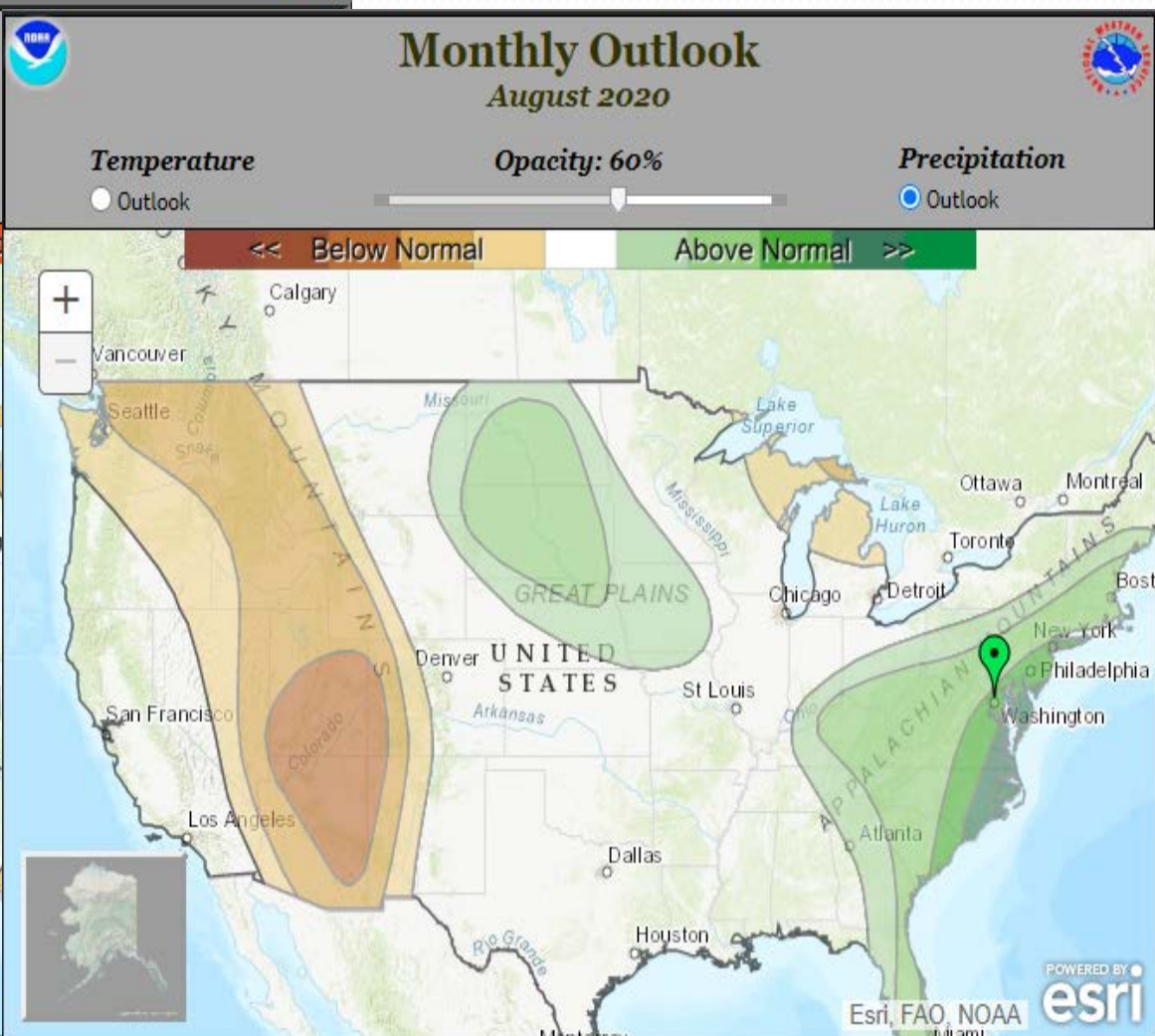
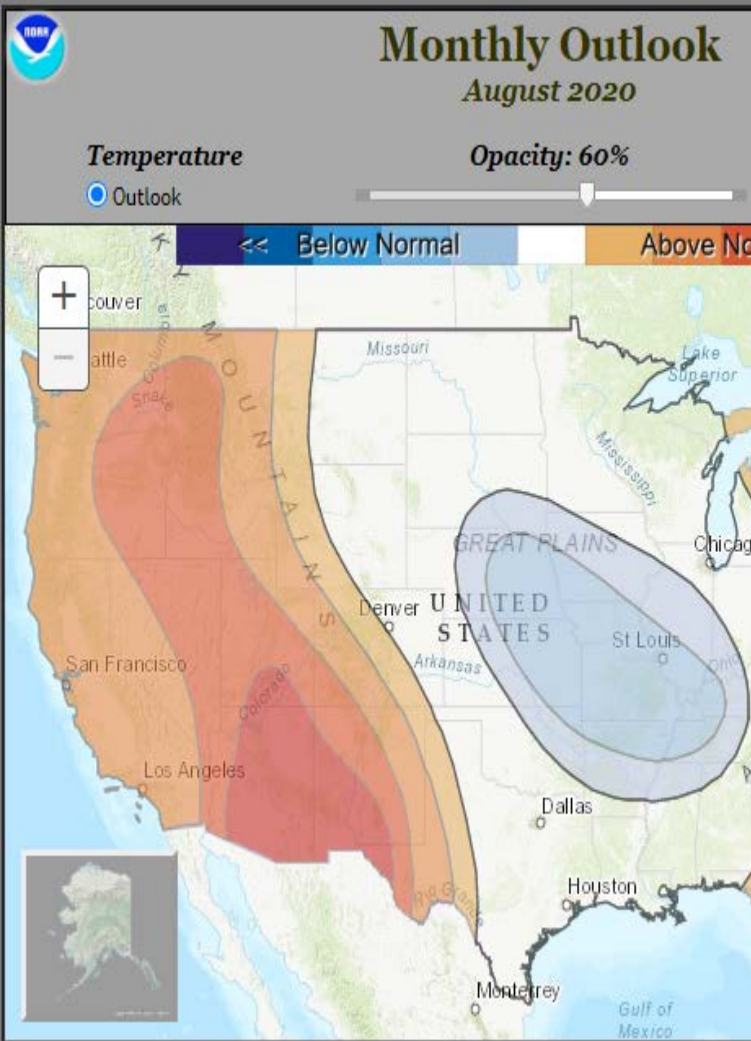
Near-Term Outlooks

Updated 31 July 2020



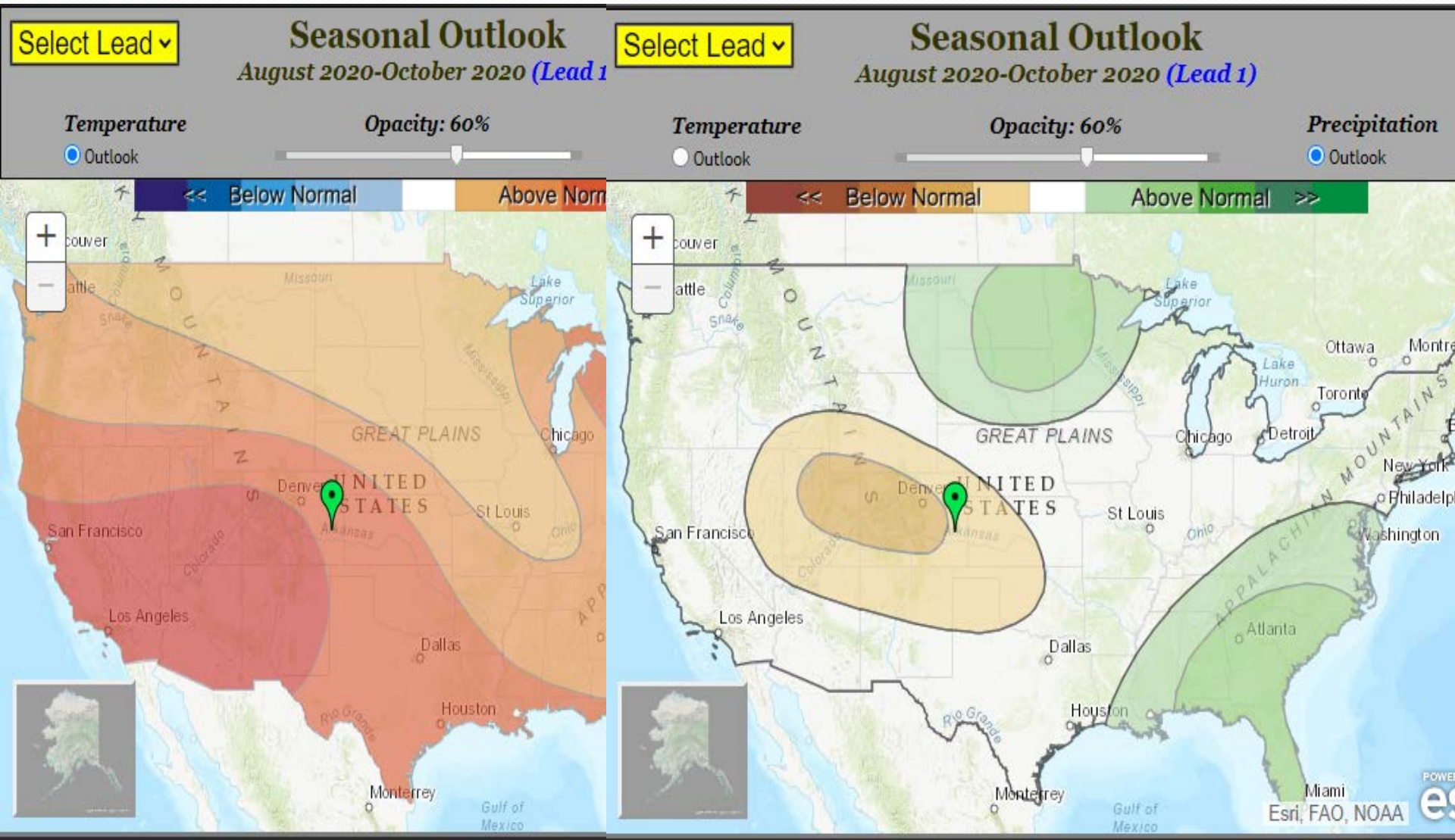
August 2020 Outlook

Updated 31 July 2020



AUG – OCT 2020 Outlook

Updated 16 July 2020



- ☒ NWRFC Boundary
- ☐ NWRFC Basins
- ☐ NWS HSAs
- ☒ Counties

ESP Natural Forecast

- ☐ Natural Status
- ☒ Natural % of Normal
- ☐ Rank (ASC)
- ☐ Rank (DESC)
- ☐ Exceedance (%)
- ☐ Percentile (%)

Natural Runoff

- ☐ Runoff Status
- ☐ Runoff % of Normal

ESP Natural Forecast

Period: APR-SEP

Forecast (% Normal)

☐ No Normal, No Data

- ☒ < 25
- ☐ 25-50
- ☐ 50-75
- ☐ 75-90
- ☐ 90-110
- ☐ 110-125
- ☐ 125-150
- ☐ 150-175
- ☐ > 175

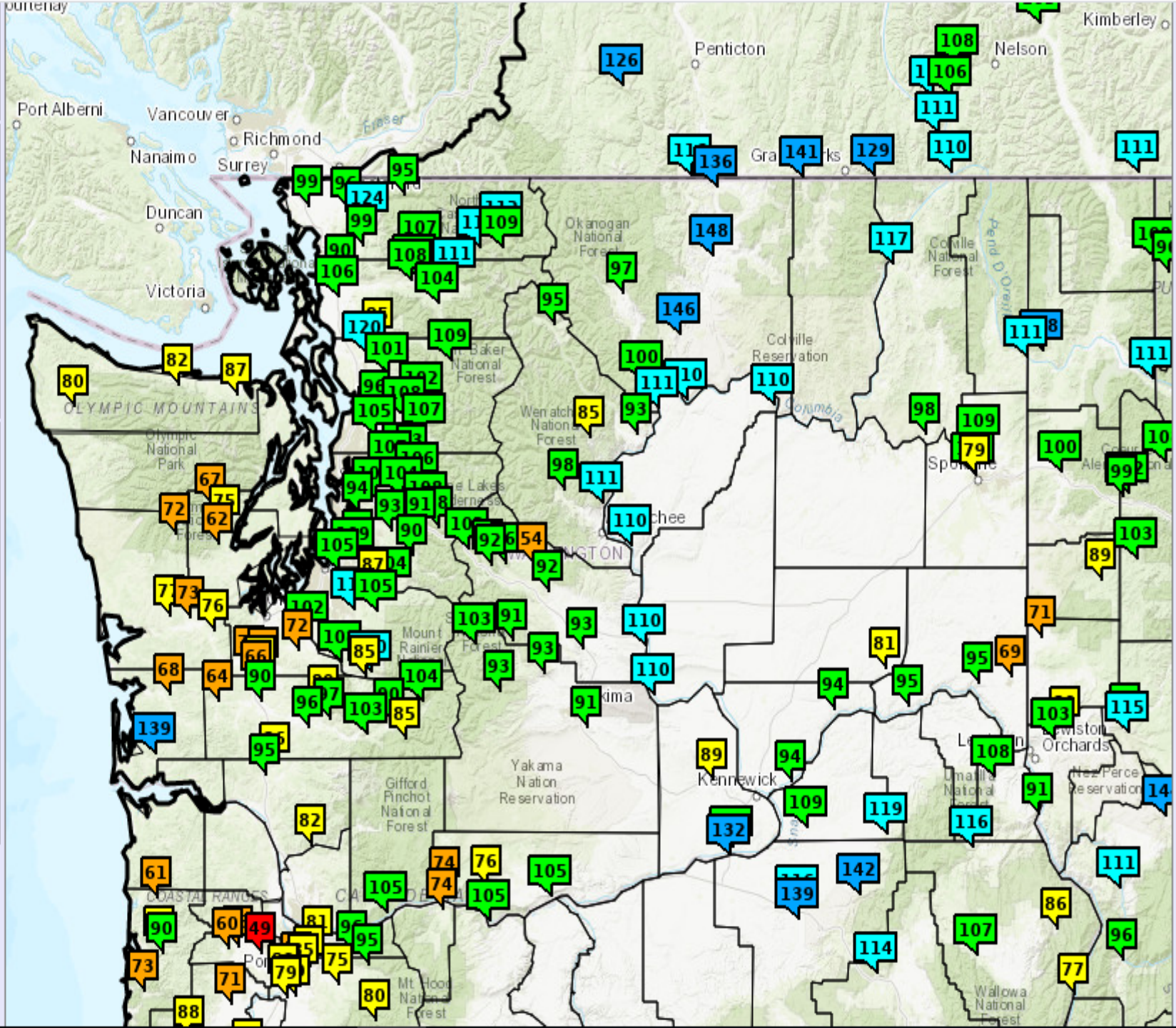


Stations Displayed:

201

Natural Links

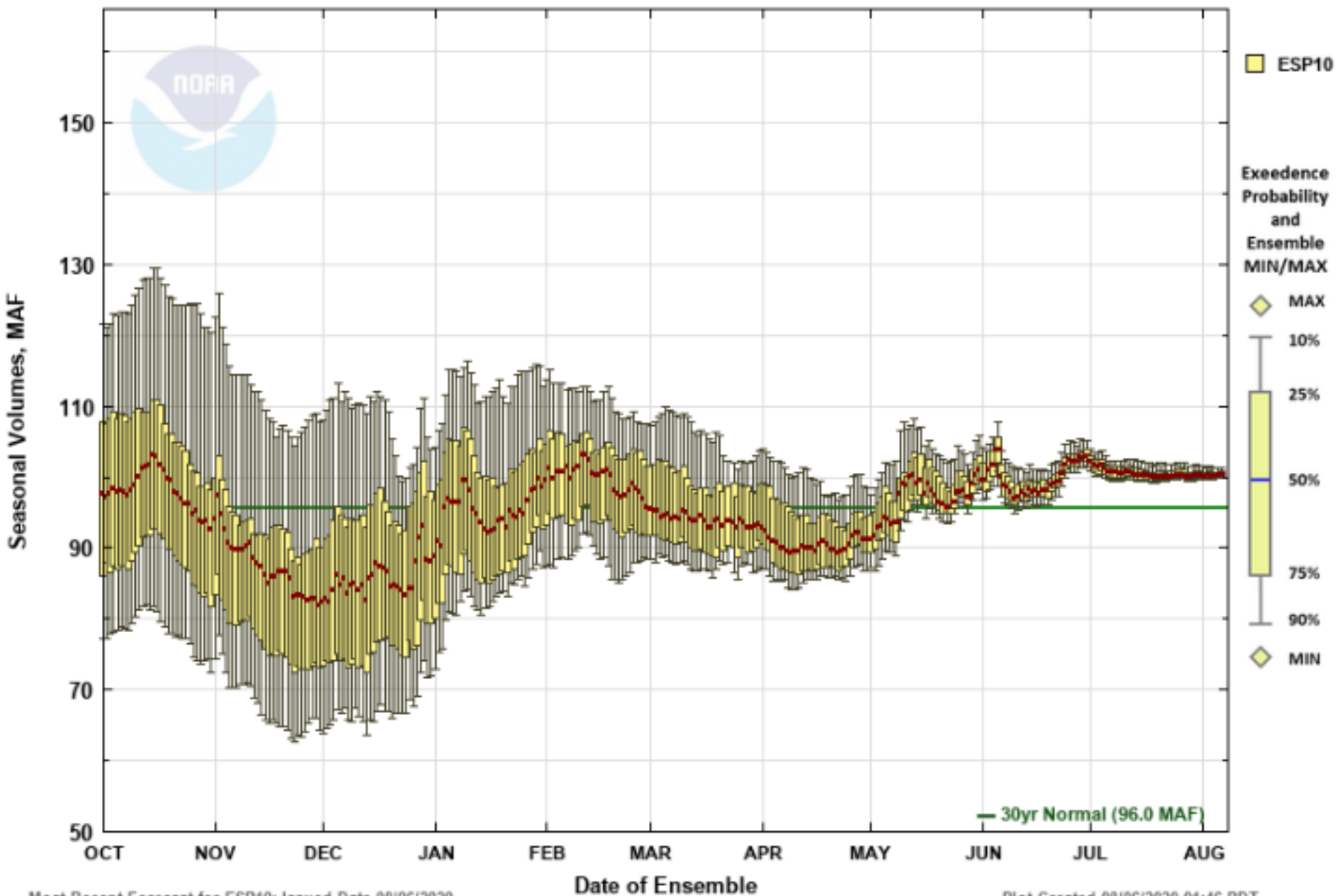
- [Forecast Listing](#)
- [Forecast Report](#)



Natural Volume Forecasts

COLUMBIA - THE DALLES DAM

Period APR to SEP -- Water Year 2020





Northwest River Forecast Center ESP Monthly Natural Volumes

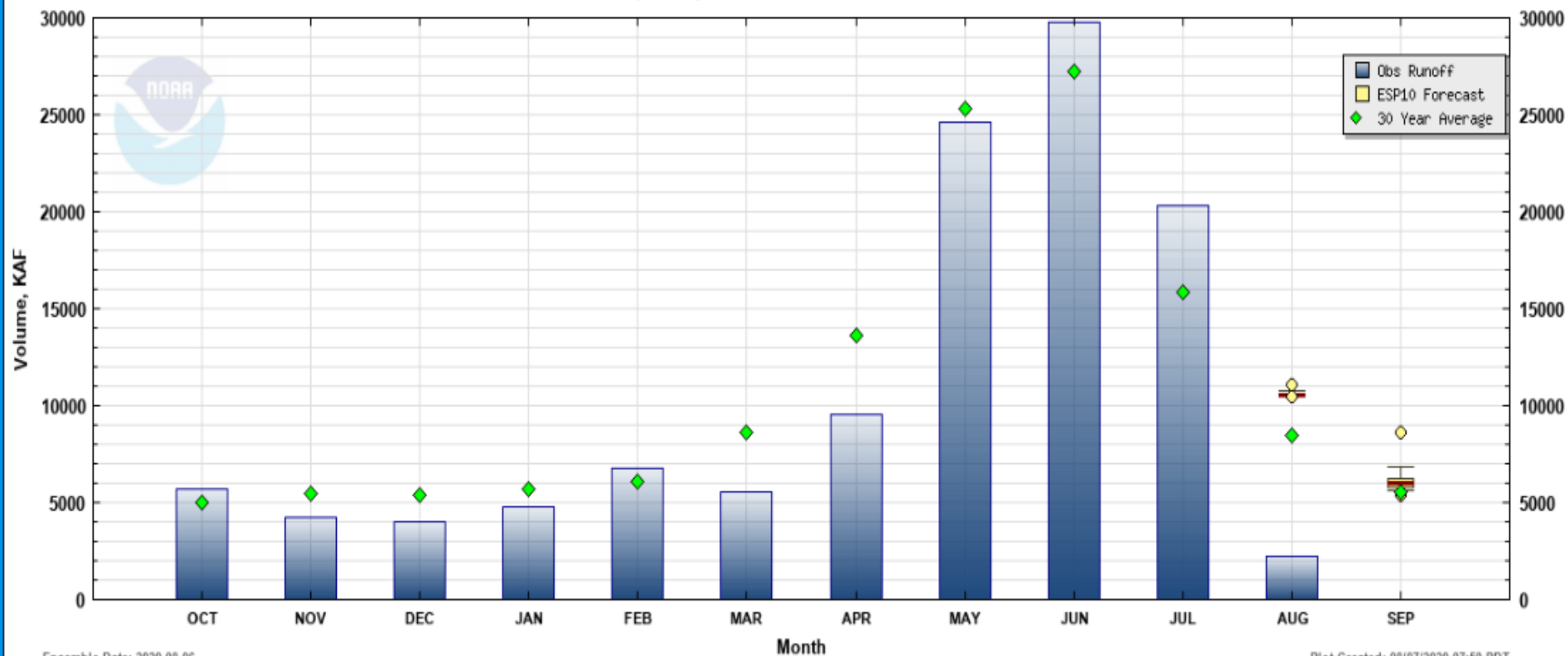
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Choose Date:

[Next Water Year](#)

Natural Volume Monthly Forecasts (ESP10) for Water Year 2020

(TDA03) COLUMBIA - THE DALLES DAM



Ensemble Date: 2020-08-06

Plot Created: 08/07/2020 07:50 PDT



Northwest River Forecast Center

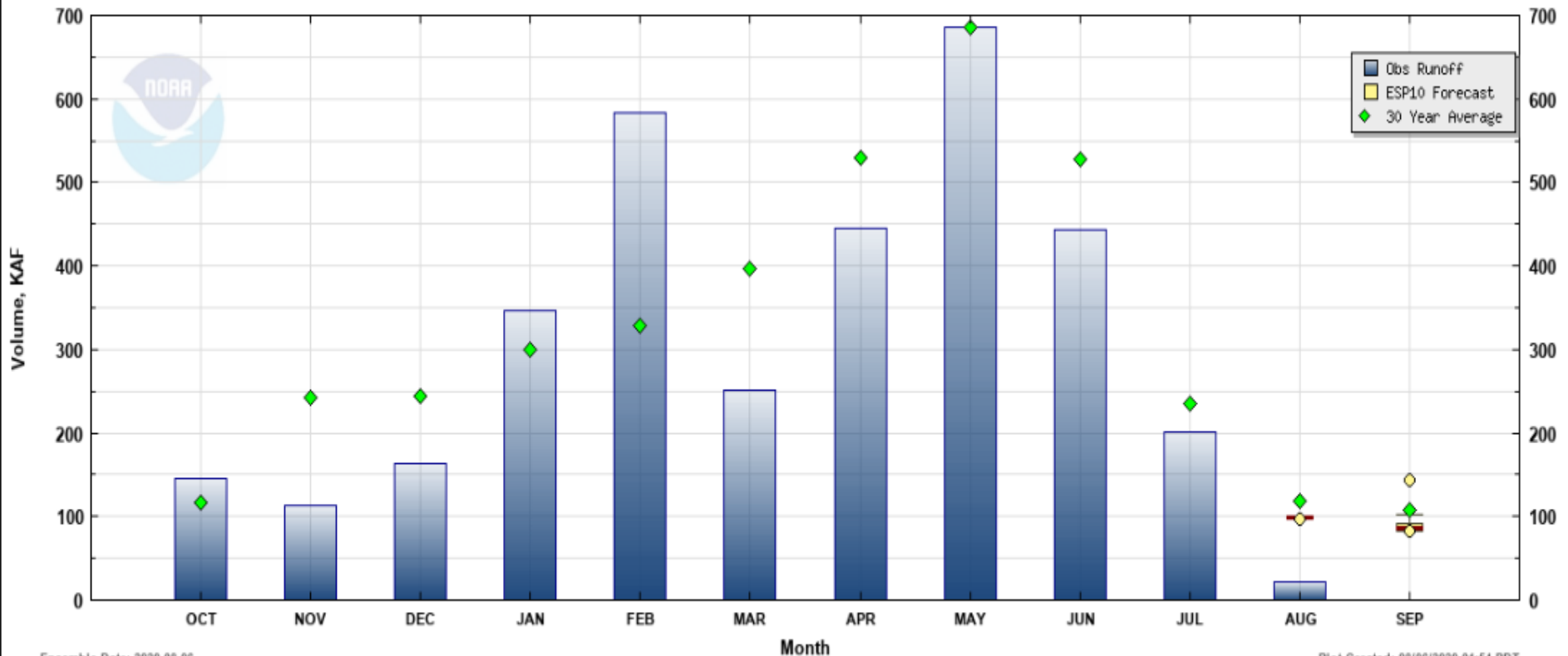
ESP Monthly Natural Volumes

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Choose Date:

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Natural Volume Monthly Forecasts (ESP10) for Water Year 2020
(KIOW1) YAKIMA - AT KIONA



Ensemble Date: 2020-08-06

Plot Created: 08/06/2020 01:54 PDT



Northwest River Forecast Center

ESP Monthly Natural Volumes

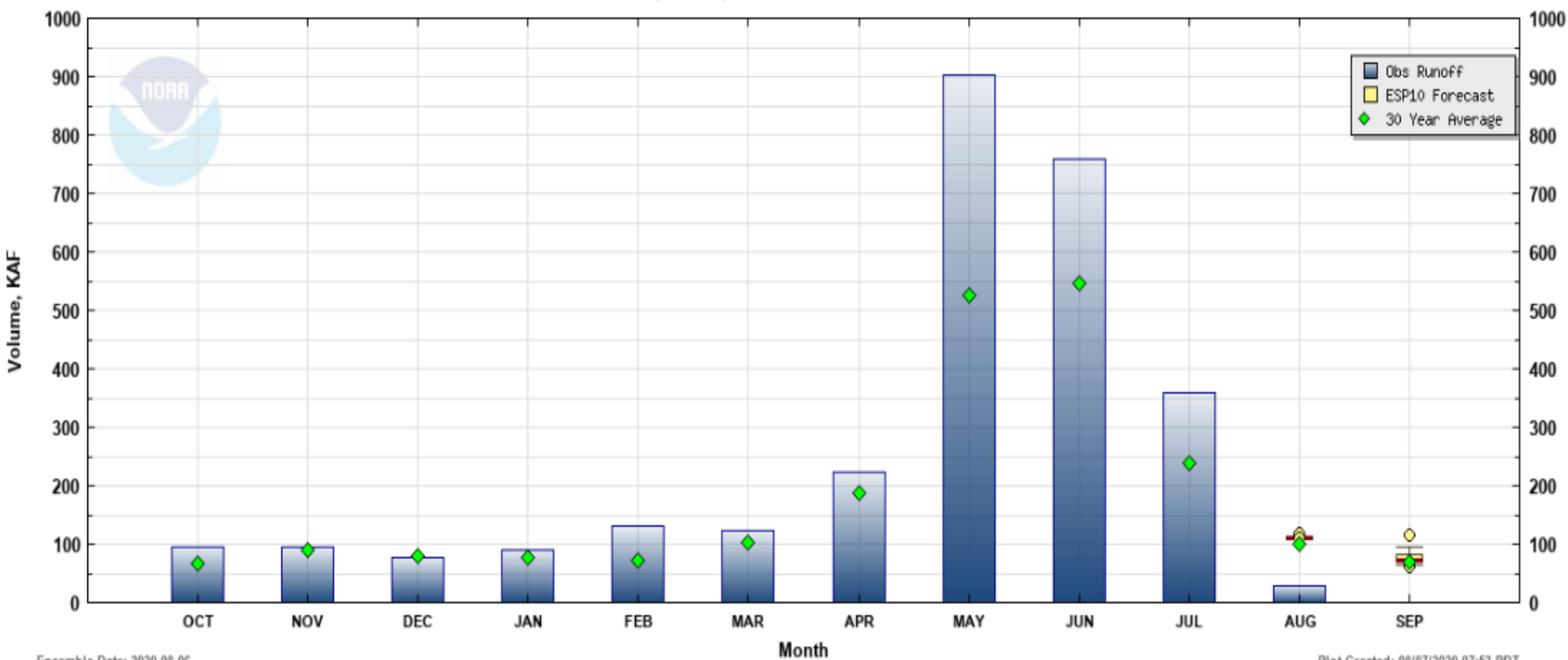
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Choose Date:

[Next Water Year](#)

Natural Volume Monthly Forecasts (ESP10) for Water Year 2020

(OKMW1) OKANOGAN - AT MALOTT



Ensemble Date: 2020-08-06

Plot Created: 08/07/2020 07:53 PDT



Northwest River Forecast Center ESP Monthly Natural Volumes

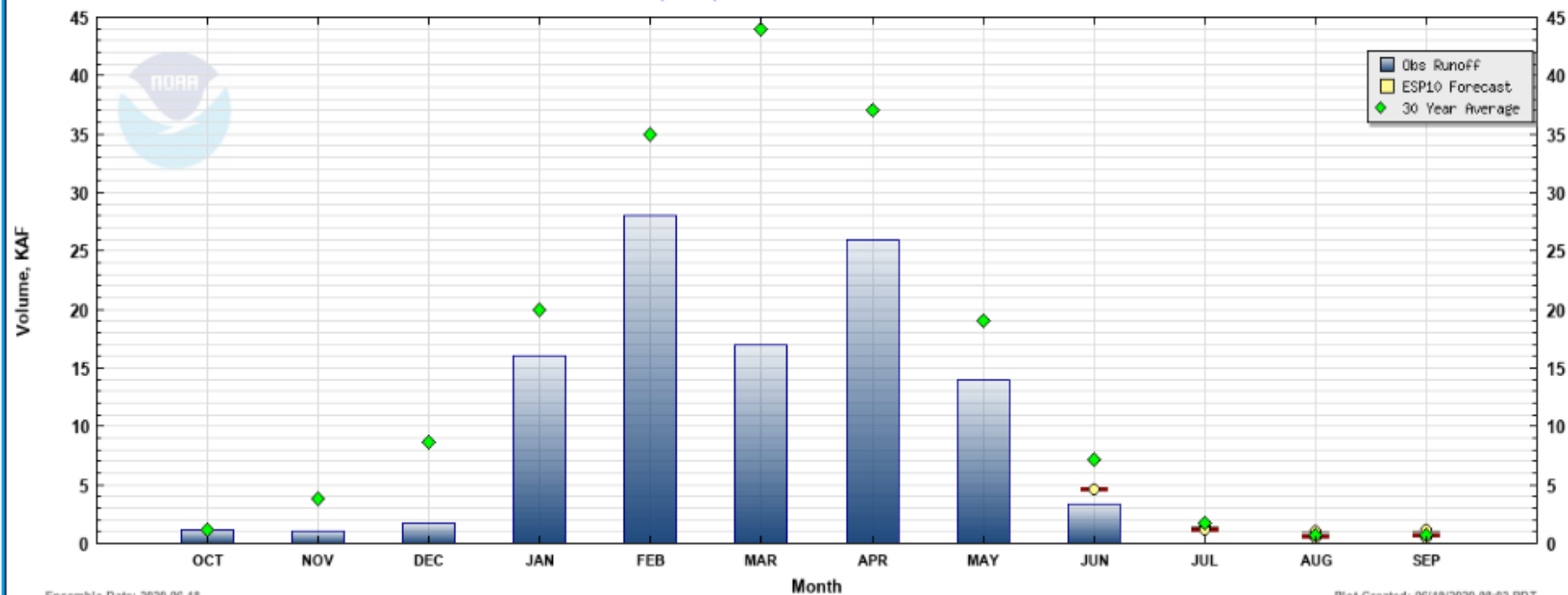
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Choose Date:

[Next Water Year](#)

Natural Volume Monthly Forecasts (ESP10) for Water Year 2020

(PLO1) PALOUSE - NEAR POTLATCH



Ensemble Date: 2020-06-18

Plot Created: 06/19/2020 08:02 PDT

NASELLE - NEAR NASELLE (NASW1) Forecasts for Water Year 2020

Official Water Supply

ESP with 10 Days QPF Ensemble: 2020-08-06 Issued: 2020-08-06

Forecast Period	Forecasts Are in KAF				30 Year Average (1981-2010)
	90 %	50 %	% Average	10 %	
APR-SEP	78	79	139	85	57
APR-JUL	74	74	148	74	50
JAN-SEP	288	289	157	295	184
JAN-JUL	284	284	159	284	178
OCT-SEP	363	365	122	370	300

Experimental Water Supply

HEFS with 15 days EQPF Ensemble: 2020-08-06 Issued: 2020-08-06

APR-SEP	78	80	140	85	57
APR-JUL	74	74	148	74	50
JAN-SEP	288	289	157	295	184
JAN-JUL	284	284	159	284	178
OCT-SEP	363	365	122	371	300

Reference

ESP with 0 Days QPF Ensemble: 2020-08-06 Issued: 2020-08-06

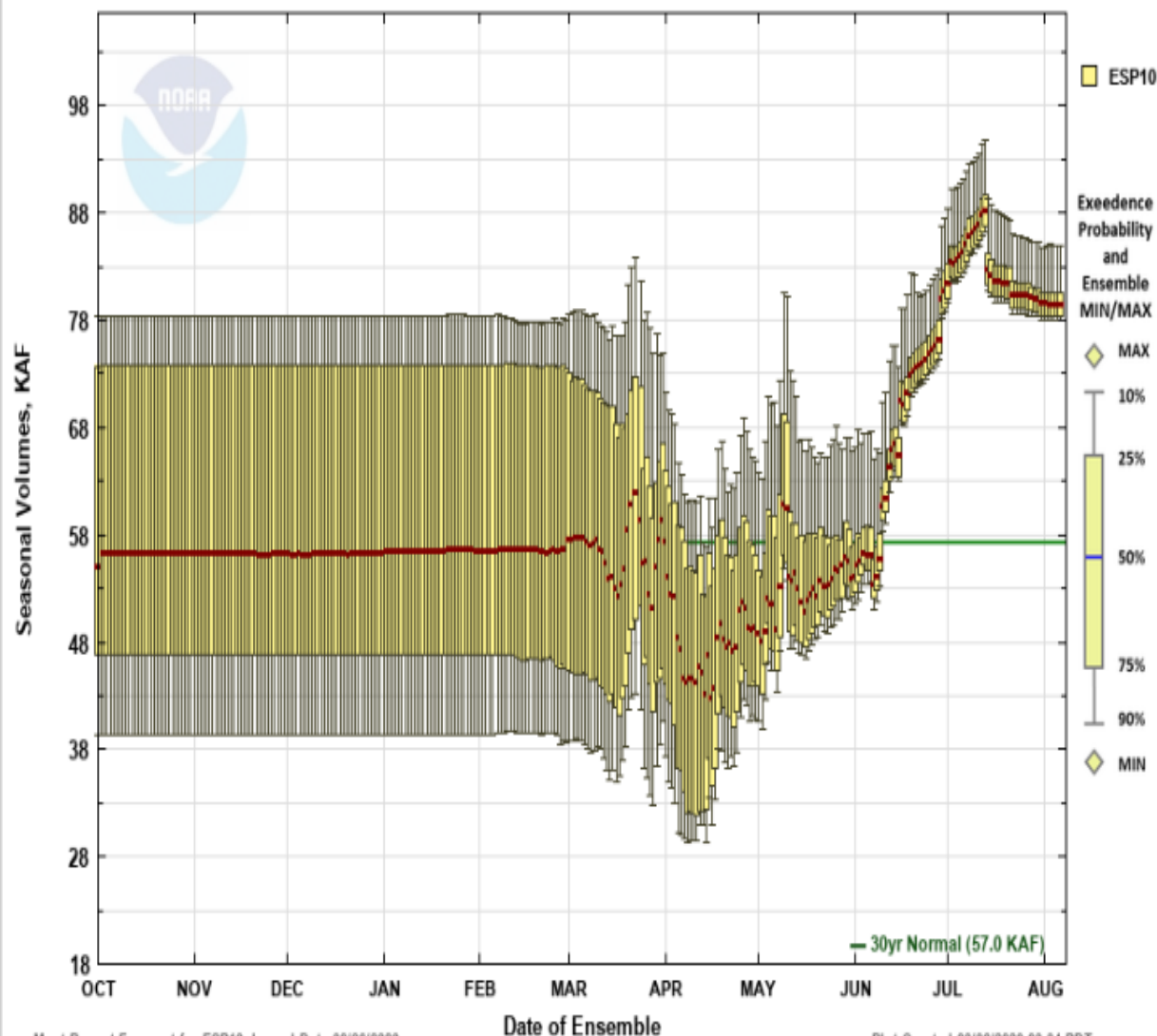
APR-SEP	78	80	140	85	57
APR-JUL	74	74	148	74	50
JAN-SEP	288	289	157	294	184
JAN-JUL	284	284	159	284	178
OCT-SEP	363	365	122	370	300

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

Natural Volume Forecasts

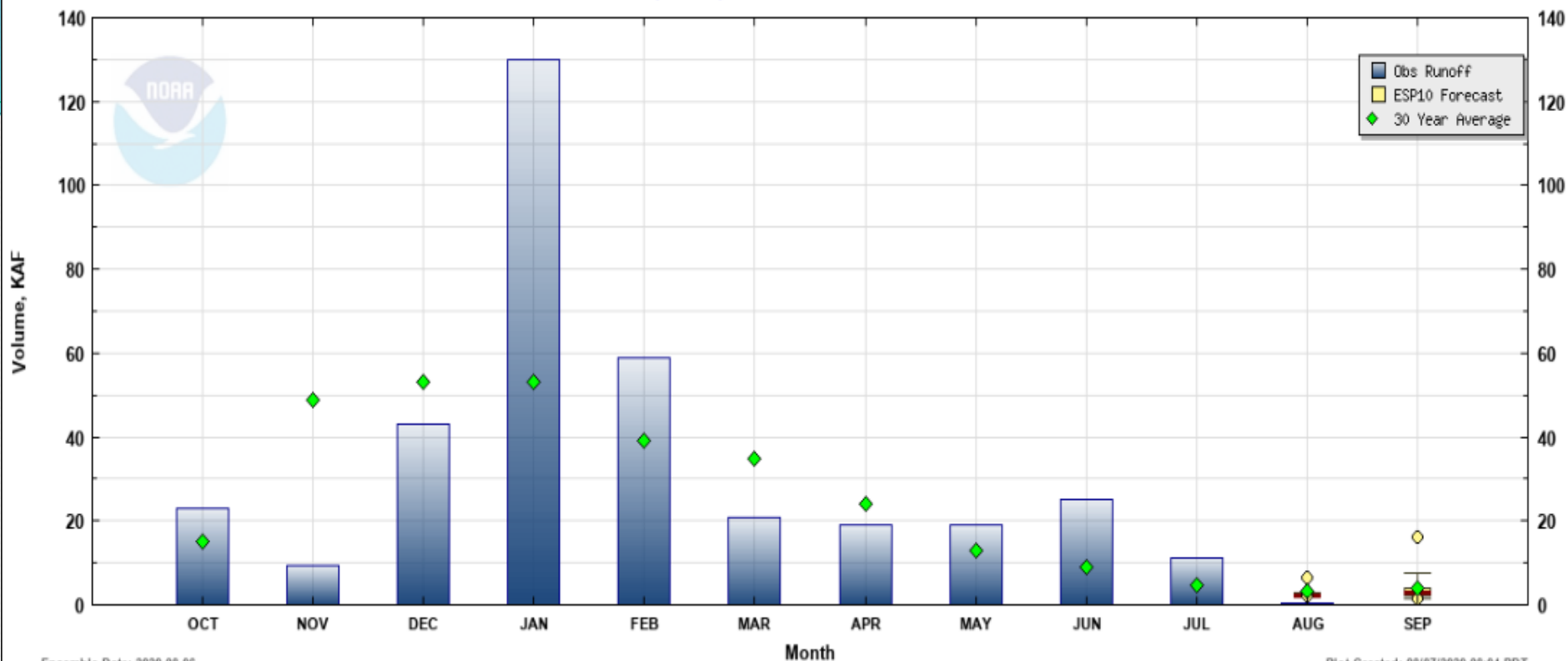
NASELLE - NEAR NASELLE

Period APR to SEP -- Water Year 2020



Natural Volume Monthly Forecasts (ESP10) for Water Year 2020

(NASW1) NASELLE - NEAR NASELLE



NASELLE - NEAR NASELLE						
Forecasts For Water Year 2020						
Official Water Supply						
ESP with 10 days QPF						
Ensemble: 2020-08-06 Issued: 2020-08-06						
Forecast Period	Forecasts Are in KAF				Obs Runoff (2020-08-06)	30 Year Average (1981-2010)
	90 %	50 %	% Average	10 %		
OCT					23	15
NOV					9.5	49
DEC					43	53
JAN					130	53
FEB					59	39
MAR					21	35
APR					19	24
MAY					19	13
JUN					25	9.0
JUL					11	4.7
AUG	2.0	2.0	66	2.8	0.4*	3.1
SEP	1.6	2.9	77	7.6		3.8

Month	Obs	Avg	%
APR	19	24	79
MAY	19	13	146
JUN	25	9	278
JUL	11	4.7	234
	74	50.7	146



NWS Water Supply Forecasts

- Water supply forecasts generally greater than 90% for the Apr – Sep period
 - The exception: west of I-5; 65 to 85%
- Little change in water supply from here on out
- Water supply volume forecasts exceptions:
 - A few scattered much below normal on east side
 - An area of below to much below normal west of I-5