



Meeting Date: May 19, 2021
Staff Contact: Rick Shean, Water Rights Program Manager

TITLE: OB-21-9 - 2021 Annual Operations Plan and Water Report

SUMMARY:

Water Authority staff are preparing for another below average runoff forecast and projected average monsoon season this water year. Surface water flows will most likely require the Water Authority to curtail its San Juan-Chama water diversions for up to five months starting in June. As with every year, demand not met by surface water will be served with groundwater. The Water Authority also plans to operate its Large-Scale Aquifer Storage and Recovery project at the Drinking Water Treatment Plant as long as the plant is in operation.

In addition to scheduling releases of its SJC water for DWP operations, the Water Authority will coordinate its SJC water releases to augment flows for recreational rafting on the Rio Chama. In Water 2120, a wide variety of flow conditions were analyzed including the potential for below average runoff conditions as are anticipated this season. In those years, the Water Authority will utilize more ground water which will be offset over a period of years by storing surface water in ASR projects.

FISCAL IMPACT:

None.

Annual Operating Plan for the Drinking Water Plant April 2021 – March 2022 and Water Report

Rick Shean, Water Rights Program Manager
Albuquerque Bernalillo County Water Utility Authority

May 19, 2021



Albuquerque Bernalillo County
Water Utility Authority

2021 – 22 Runoff Forecast

- Well below average spring runoff flows expected.
- Flows at Central gage projected to go below 100 cfs at lowest flows during summer.
- Drinking Water Plant diversion may be shut down from June 1 to Oct. 31.
- Monsoon projected to bring near average precipitation with higher than average temperatures.

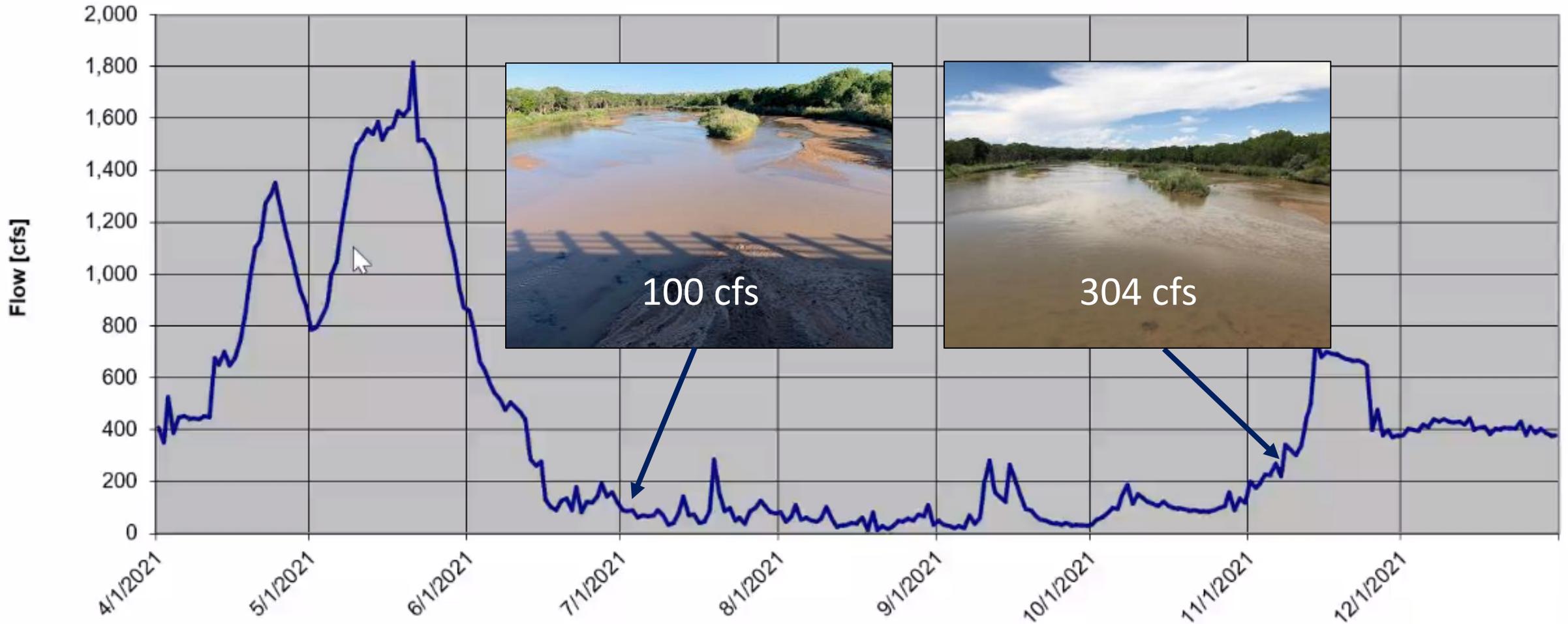


2021 – 22 Flow Projections

	Most Probable Percent of Average		April 1 50% / 70% Probability Volume, ac-ft
	2020	2021	2021
Rio Grande nr Del Norte	69%	71%	365,000 / 310,000
El Vado Reservoir Inflow	56%	52%	116,000 / 97,000
Rio Grande at Otowi	53%	58%	415,000 / 345,000
Nambe Reservoir Inflow	77%	43%	2,800 / 2,100
Jemez blw Jemez Dam	39%	18%	6,200 / 4,000
Rio Blanco @ Diversion	65%	74%	40,000 / 35,000
Navajo River @ Diversion	62%	69%	45,000 / 39,000

From US Bureau of Reclamation 2021 AOP.

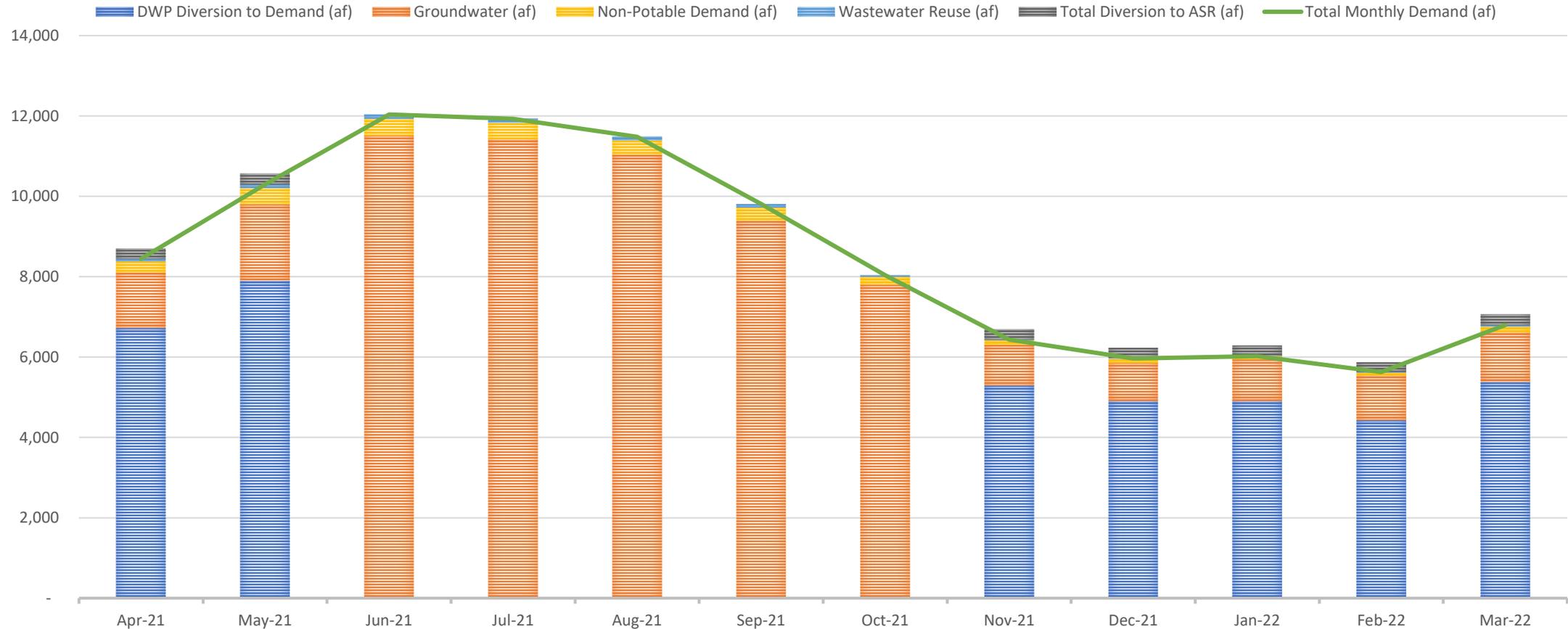
2021 Flow at Central Ave Gage



From US Bureau of Reclamation 2021 AOP.

2021 – 22 Operations

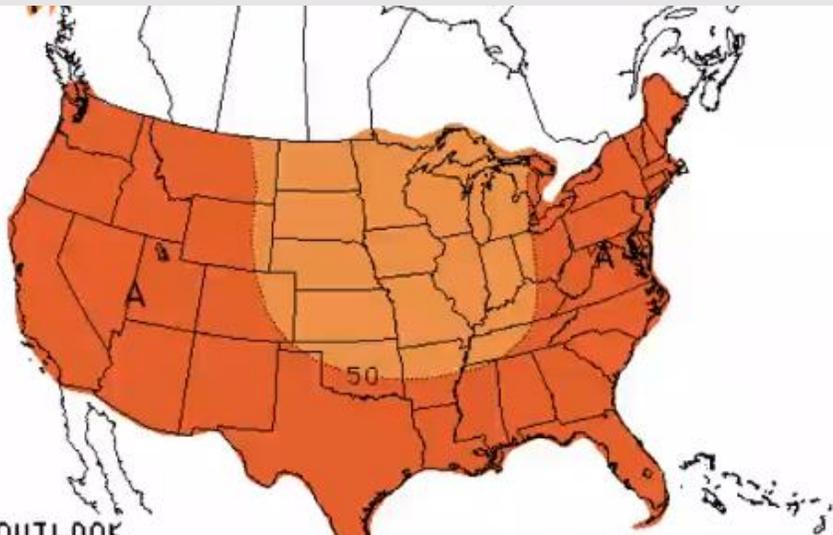
WATER AUTHORITY MONTHLY DIVERSIONS



2021 Monsoon Outlook



Temperature

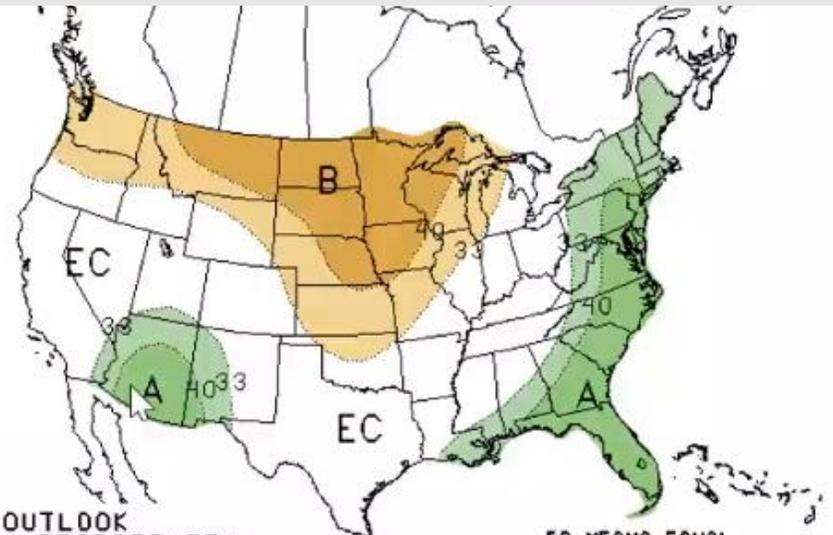


THREE-MONTH OUTLOOK
TEMPERATURE PROBABILITY
3.5 MONTH LEAD
VALID JAS 2021
MADE 18 MAR 2021

EC MEANS EQUAL CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW

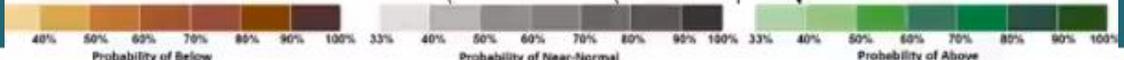


Precipitation



THREE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
3.5 MONTH LEAD
VALID JAS 2021
MADE 18 MAR 2021

EC MEANS EQUAL CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW



Thank you
Questions?