



#### Office of Columbia River Forecast Update

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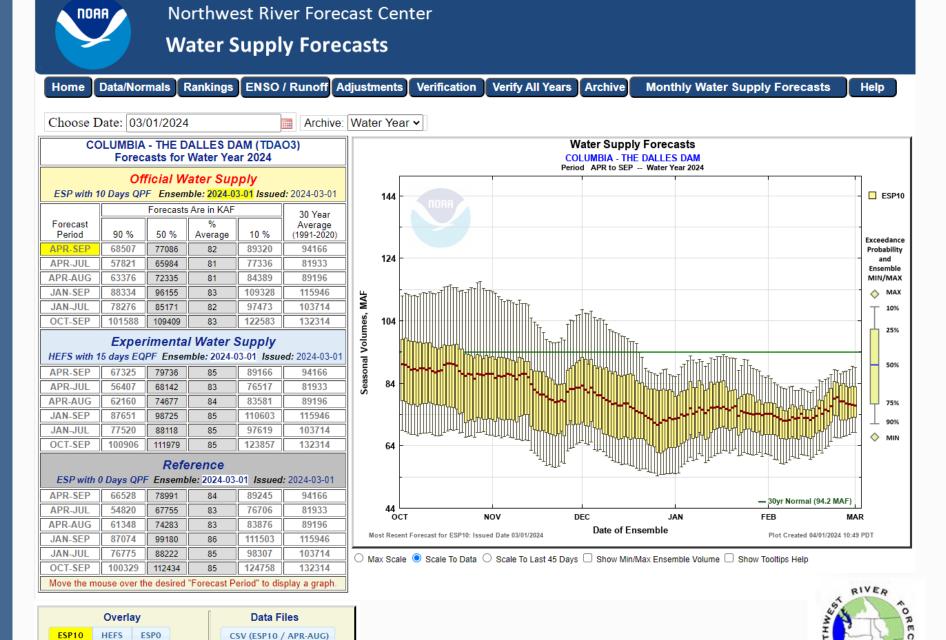
#### **OCR Operations**

- Columbia River 2024 Forecast
  - March 1<sup>st</sup> of each year
  - Determines what the Status of the Columbia River is for April through September
- Columbia River Drought Insurance Program Update
  - Since the establishment of the Columbia River Rule Ecology has issued hundreds of interruptible Water Rights
  - The Office of Columbia River is tasked with assisting interruptible water users in drought years

### Status of the Columbia River – Chapter 173-563 WAC

- Columbia River forecast on March 1<sup>st</sup>
  - April September runoff
  - Measured at the Dalles, Oregon
- High Medium Low (Three levels of status)
  - High = above 88 million acre-feet of runoff
  - Medium = between 88 60 million acre-feet of runoff
  - Low = 60 million acre-feet or less of runoff

## 2024 March 1<sup>st</sup> Forecast





# Office of Columbia River's Directives RCW 90.90.020

The department of ecology shall focus its efforts to develop water supplies for the Columbia river basin on the following needs:

- Alternatives to groundwater for agricultural users in the Odessa subarea aquifer
- Sources of water supply for pending water right applications
- A new uninterruptible supply of water for the holders of interruptible water rights on the Columbia river mainstem that are subject to instream flows or other mitigation conditions to protect streamflows
- New municipal, domestic, industrial, and irrigation water needs within the Columbia river basin

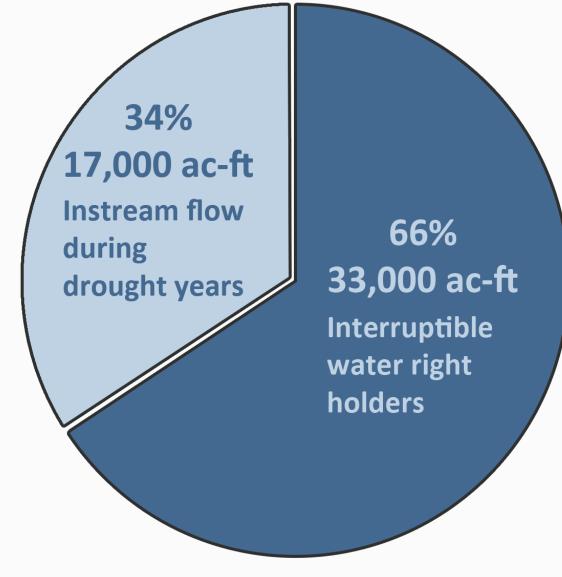
#### Columbia River Drought Insurance Program

#### Sources of Water For the Program

- Lake Roosevelt Incremental Storage and Release Program
- Water Banking Solutions

## Lake Roosevelt Releases in Drought Years

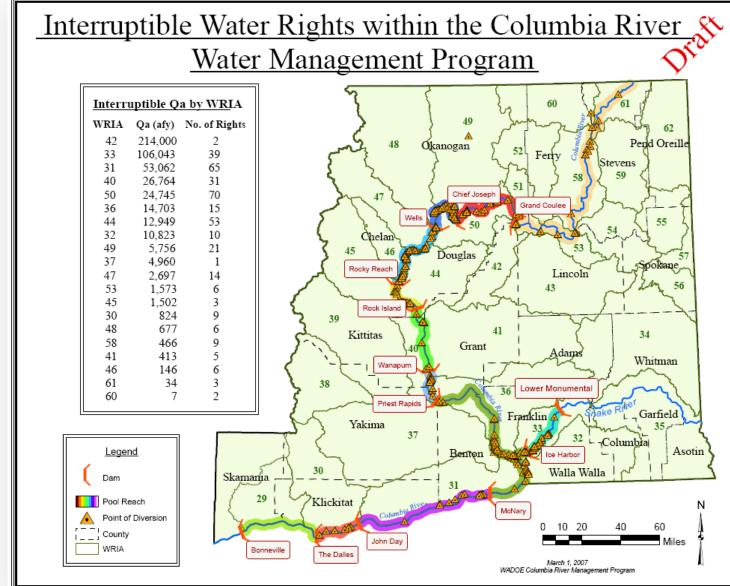
- If the April September forecast drops to or below 60 MAF the 33,000 acre-feet from the LRISRP will become available to assist interruptible water users
- The LRISRP Final Supplemental EIS discussed six alternatives for distributing water to the interruptible users with three preferred alternatives.
- Even Distribution Allocation
- Market-Based Allocation
- Voluntary Enrollment
- The preferred method would provide Ecology with the maximum flexibility in meeting the goal of the program



Additional 50,000 from Lake Roosevelt released during drought years

## Lake Roosevelt Releases in Drought Years Interru

- 379 Interruptible Water Rights on the Columbia River
- 309,159 acre-feet
- Ecology is beginning efforts to put the LRISRP water into play when needed
- Clean up the water right ownership information





#### **Water Banking Options**

- OCR is working with several large agricultural entities to establish water banks
- Banks can be established though multiple methods such as:
- Shade cloth deployment
- Current on farm efficiencies
- If the March 1st forecast drops to 60 MAF or lower, in a given year, water held in these banks can be made available to OCR for the use of assisting interruptible water users

