

RECLAMATION

Managing Water in the West

PN Region River and Reservoir Operations

Mary Mellema

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U.S. Department of the Interior
Bureau of Reclamation

Pacific Northwest Region

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Managing Water in the West

Pacific Northwest Region

- Dam
 - Dam with Powerplant
 - Stand Alone Powerplant
 - Fish Hatchery
- Unless otherwise noted, facilities shown on this map are owned by Reclamation
- ▨ Columbia - Cascades Area
 - ▨ Snake River Area
 - ▨ Irrigation Project
 - ▨ Reservation

Administrative Offices

- Regional Office**
Grand Coulee Power Office
Hungry Horse Field Office
- Columbia-Cascades Area Office**
Bend Field Office
Ephrata Field Office
Umatilla Field Office
Yakima Field Office
- Snake River Area Office**
Middle Snake Field Office
Upper Snake Field Office

Location

- Boise, ID
Grand Coulee, WA
Hungry Horse, MT
Yakima, WA
Bend, OR
Ephrata, WA
Hermiston, OR
Yakima, WA
Boise, ID
Boise, ID
Heyburn, ID



0 50 100 Miles

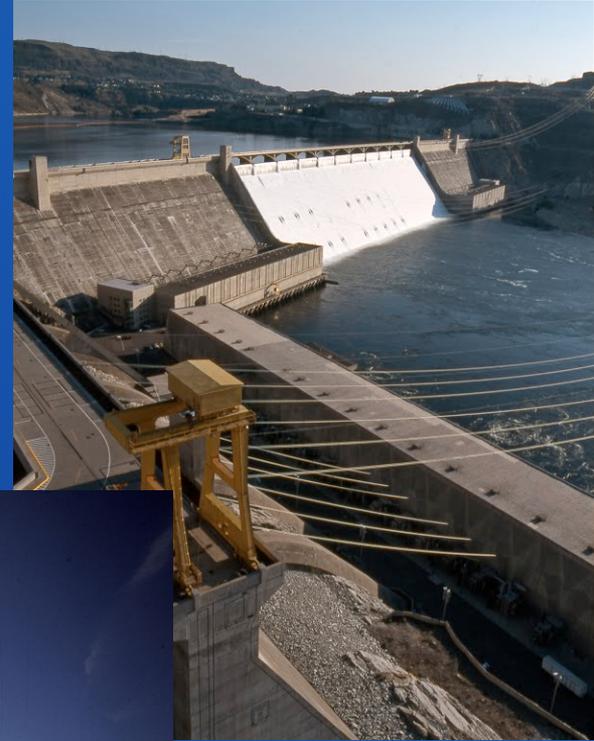


This map is intended for general informational purposes only. It is not intended to be used for description or authoritative definition of location or legal boundary. Prepared by the Bureau of Reclamation, Pacific Northwest Region, March 2015.

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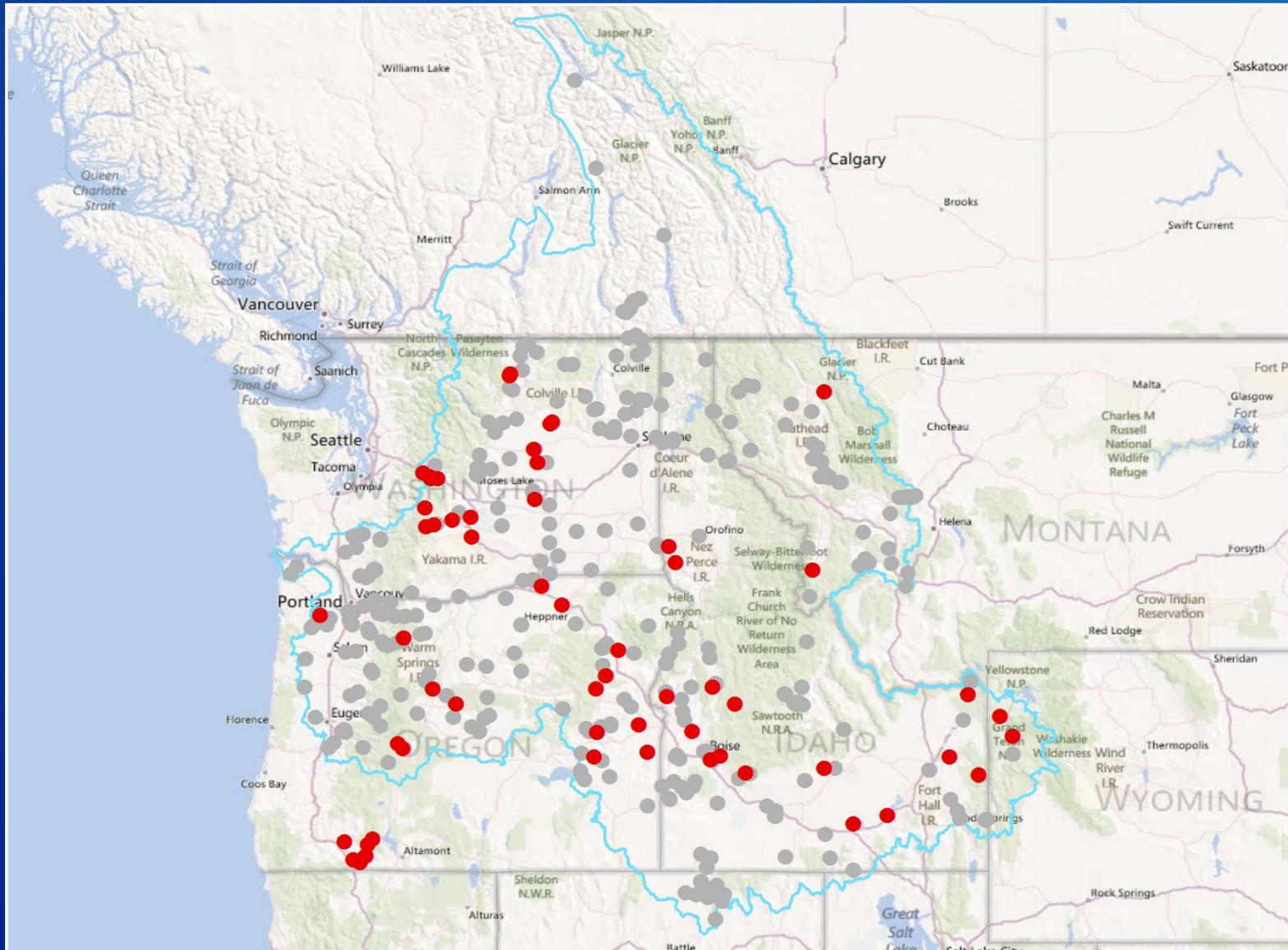
Reclamation's PN Region

- 54 Dams
- 18 Million acre feet of active storage
- Delivers water to 2.9 million acres
- 10 Power plants
- Provides ~1.8 Maf flow augmentation



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Reclamation Dams in the Pacific Northwest



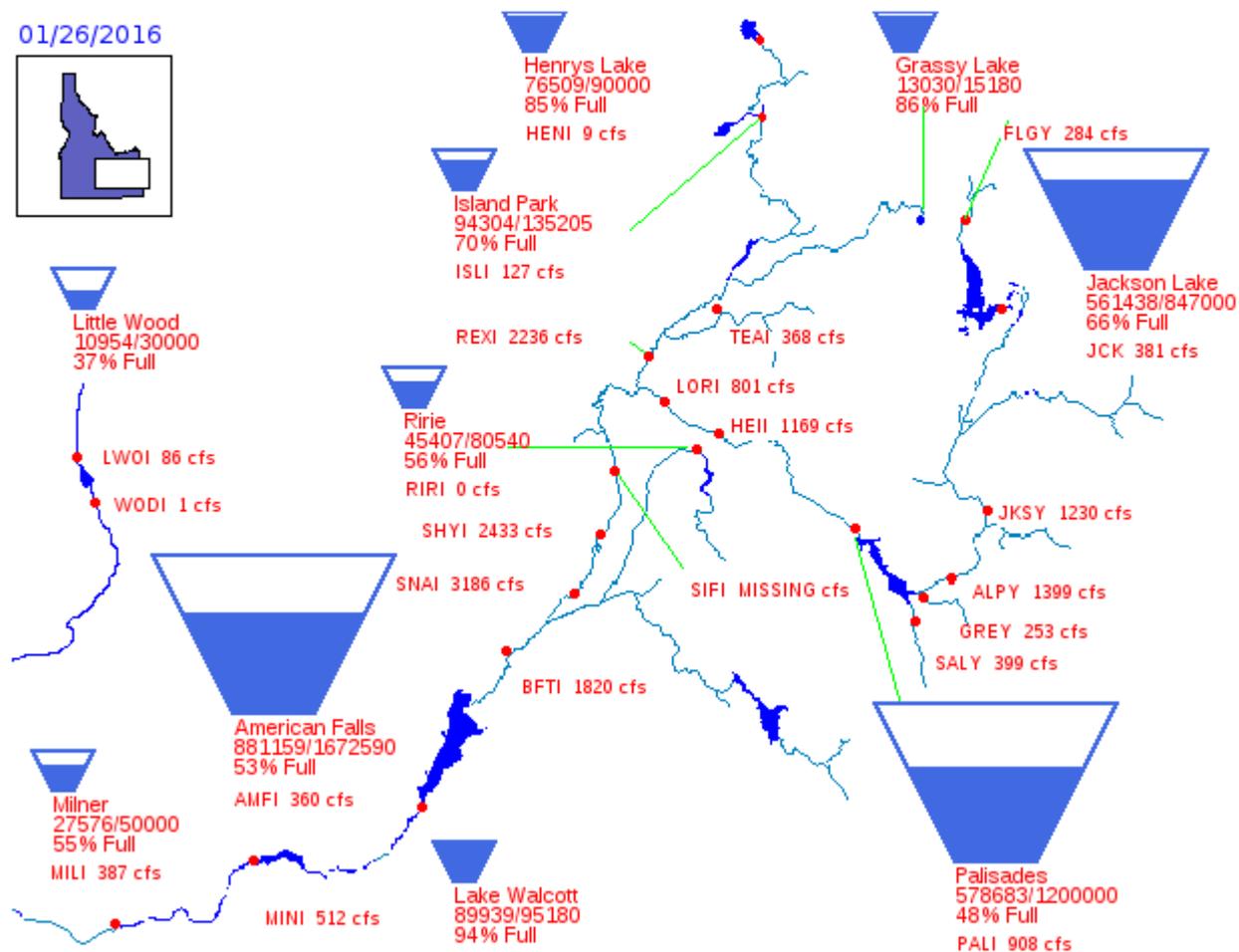
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Reservoir Operations

- Operations staff monitor all hydrometeorological data across the region for volume forecasts and reservoir management decisions.
- Provide Reclamation reservoir and weather data to the region for cooperation with other agencies.

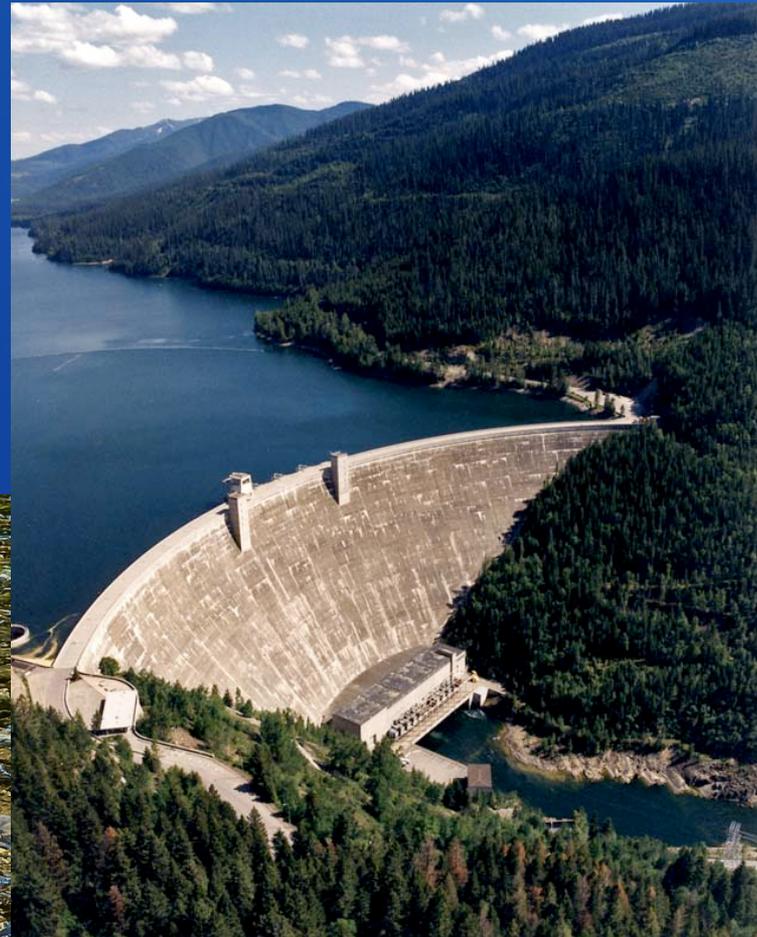
Bureau of Reclamation, Pacific Northwest Region Major Storage Reservoirs in the Upper Snake River Basin

01/26/2016



Primary Uses

- Flood Control
- Water supply
- Hydropower
- ESA



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Flood Control

Reclamation PN Region Reservoirs have prevented greater than \$4 billion in damages over the last 60 years.



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Water Supply

Reclamation PN Region Reservoirs provide irrigation water to approximately 2.9 million acres.



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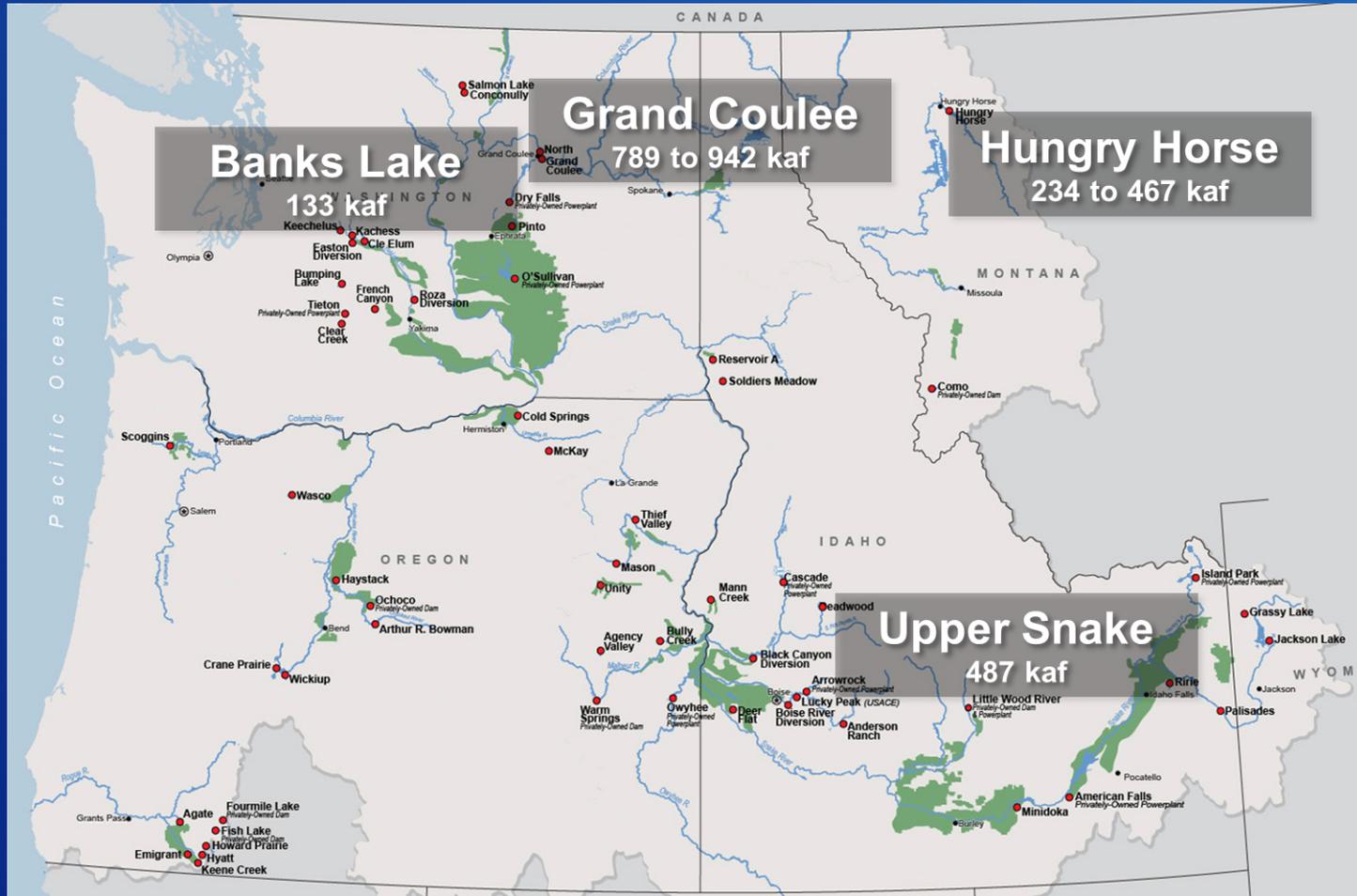
Hydropower

Reclamation PN Region Reservoirs have approximately 9500 MW capacity in the Federal Columbia River Power System.



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ESA Operations



Reclamation PN Region Reservoirs also provide minimum flows for fish and wildlife.

Coordination

- Flood control releases from Section 7 projects are coordinated with U.S. Army Corps of Engineers.
- Releases from hydropower projects (e.g. Grand Coulee, Hungry Horse and others) are coordinated with BPA.
- Other coordination contacts include: Irrigation Districts, State water resources, other Reclamation offices and projects, tribes, and other federal, state, and sovereign entities (e.g. TMT, PNCA).

Reclamation Dry Year Mitigation

- In very dry years during the spring refill period may adjust reservoir management to conserve water resources.
- Continuous coordination with stakeholders to identify possible drought impacts to all reservoir uses.
- In some dry years Reclamation can help enable water transfers between senior and junior users when feasible.

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Questions?

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