

# RECLAMATION

*Managing Water in the West*

**Pacific Northwest Region**  
**Inland NW Drought Forum**  
**October 18, 2013**

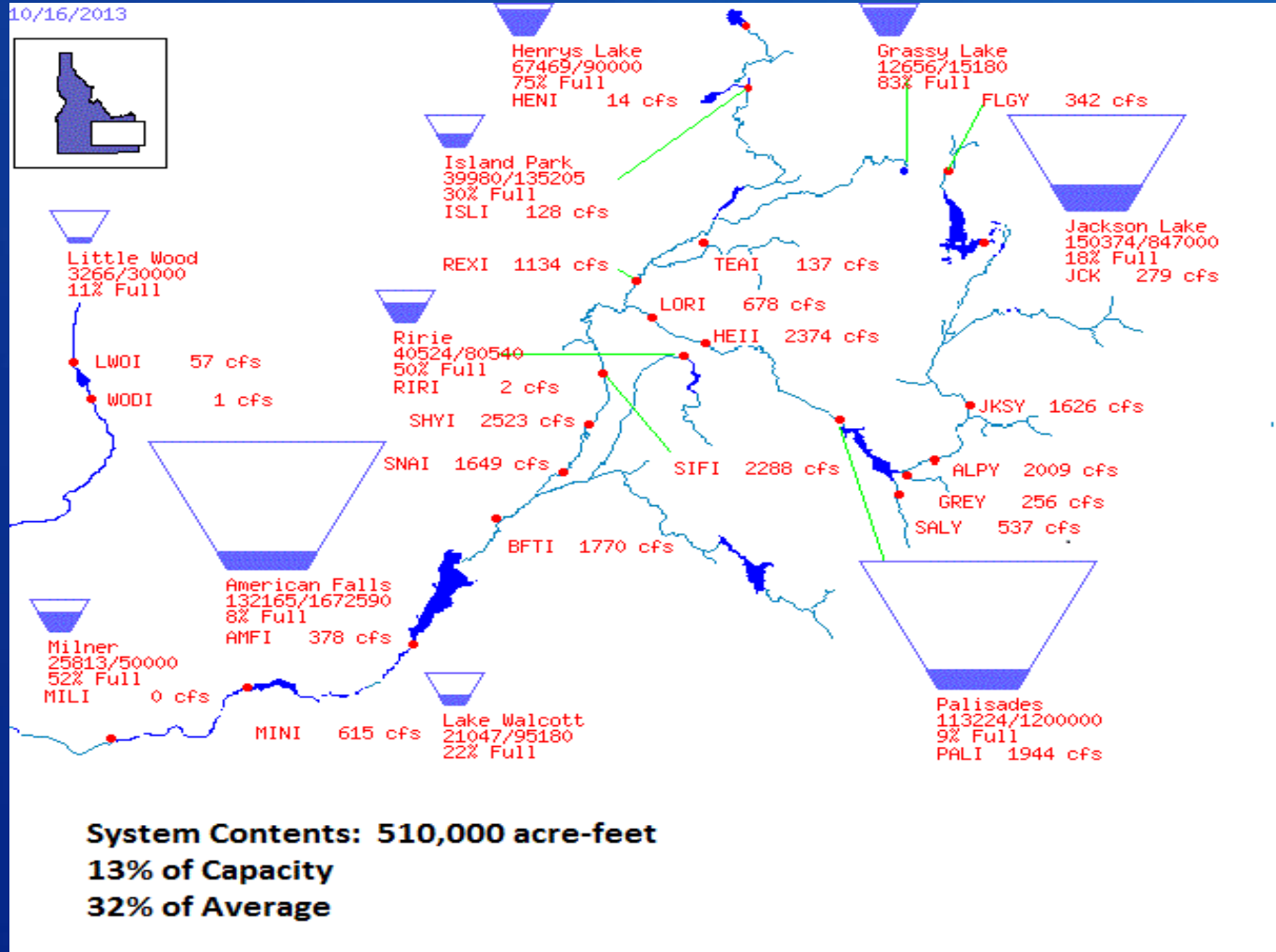


U.S. Department of the Interior  
Bureau of Reclamation

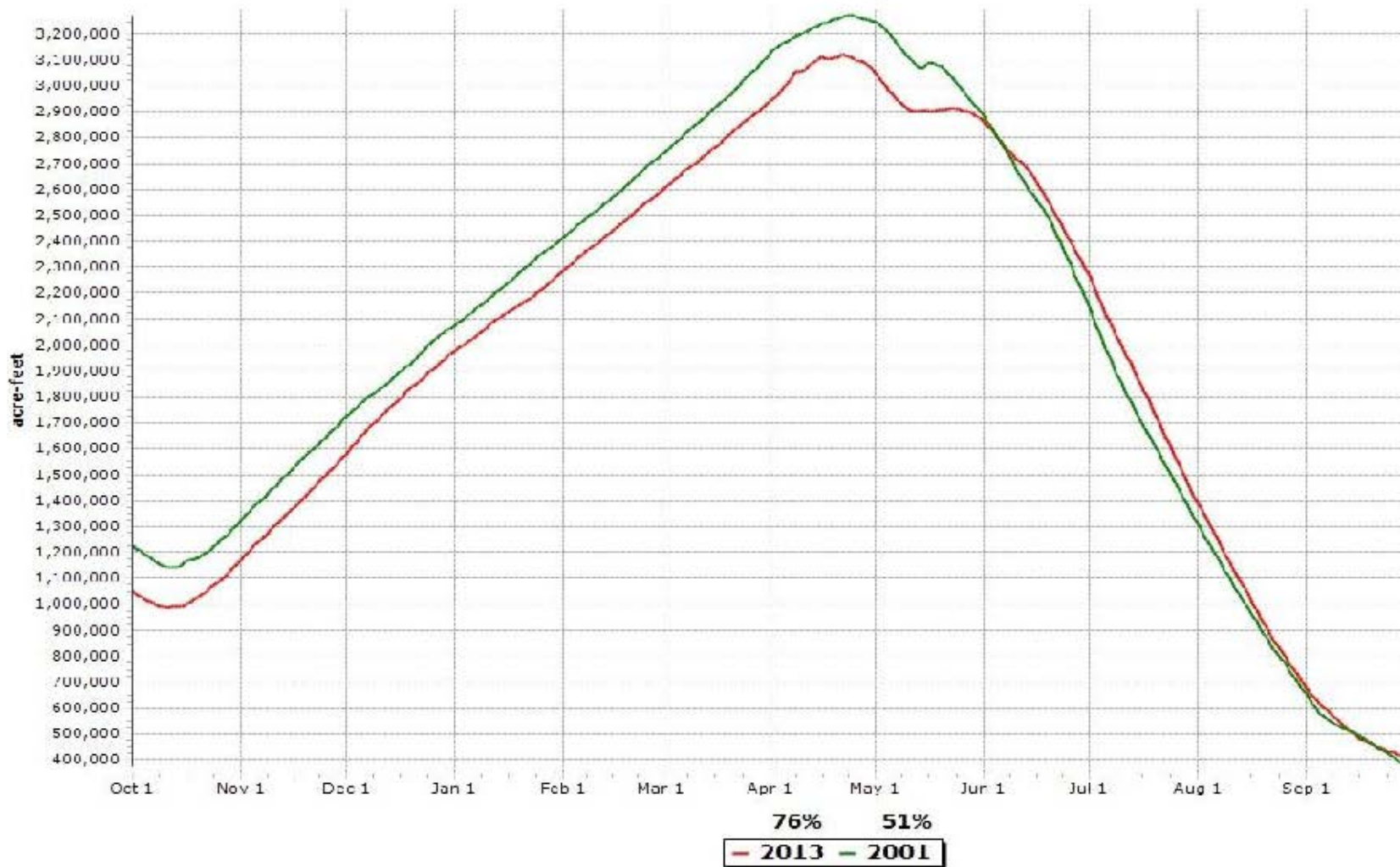
# Overview of 2013 Conditions

- Below average runoff in all Snake River basins
- Extremely low runoff in eastern Oregon
- Hot Hot Hot = heavy irrigation demand
- Most basins had inadequate water supply
- Early shutoff of irrigation
- **Very low carryover going into 2014**

# Upper Snake Basin



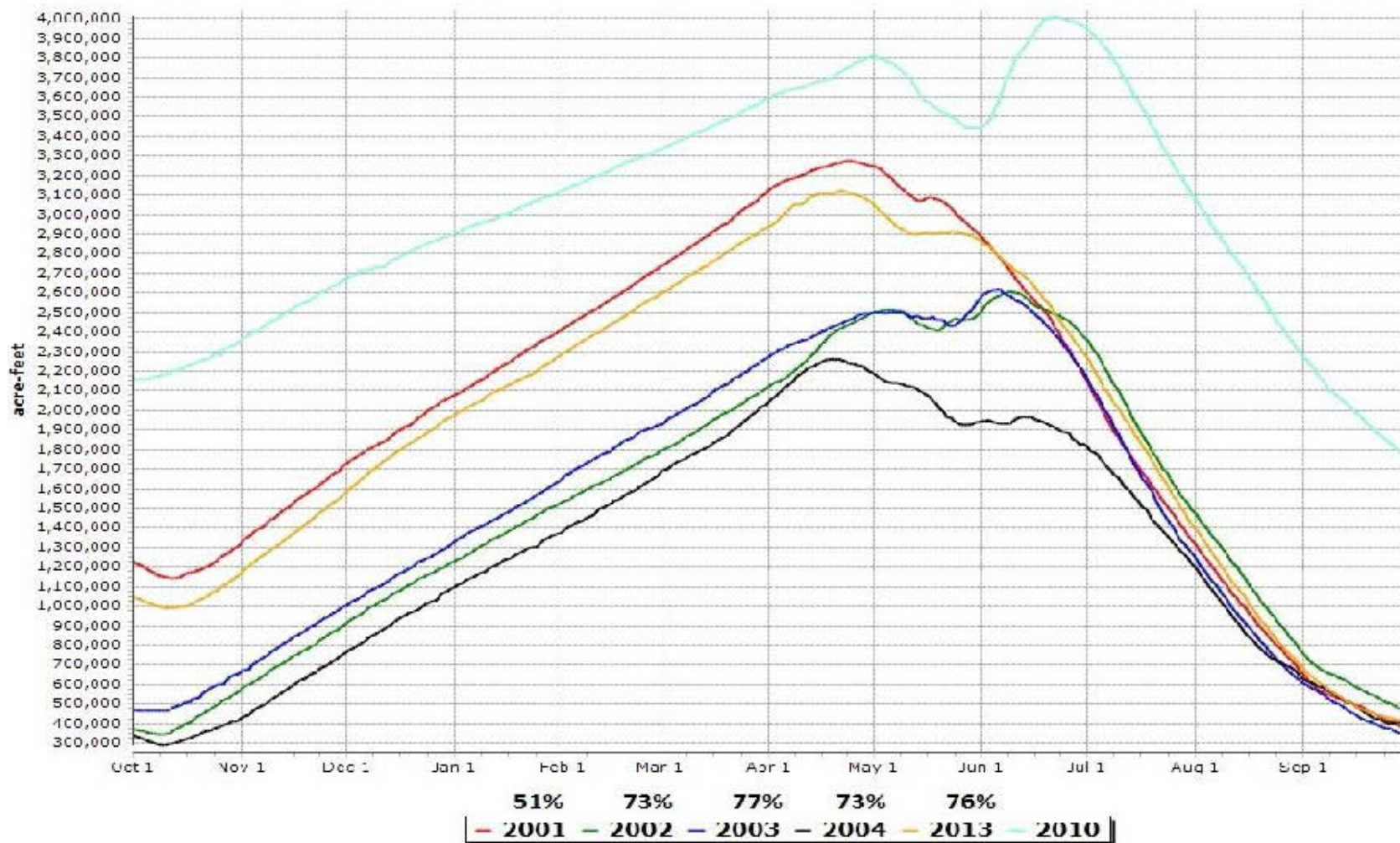
# Upper Snake Reservoir System Storage



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## Upper Snake Reservoir System Storage



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# Upper Snake Basin: What is needed for 2014?

For “Full” Recovery:

~110% of average runoff

~40% probability of occurring

To “Squeak By” (do no worse):

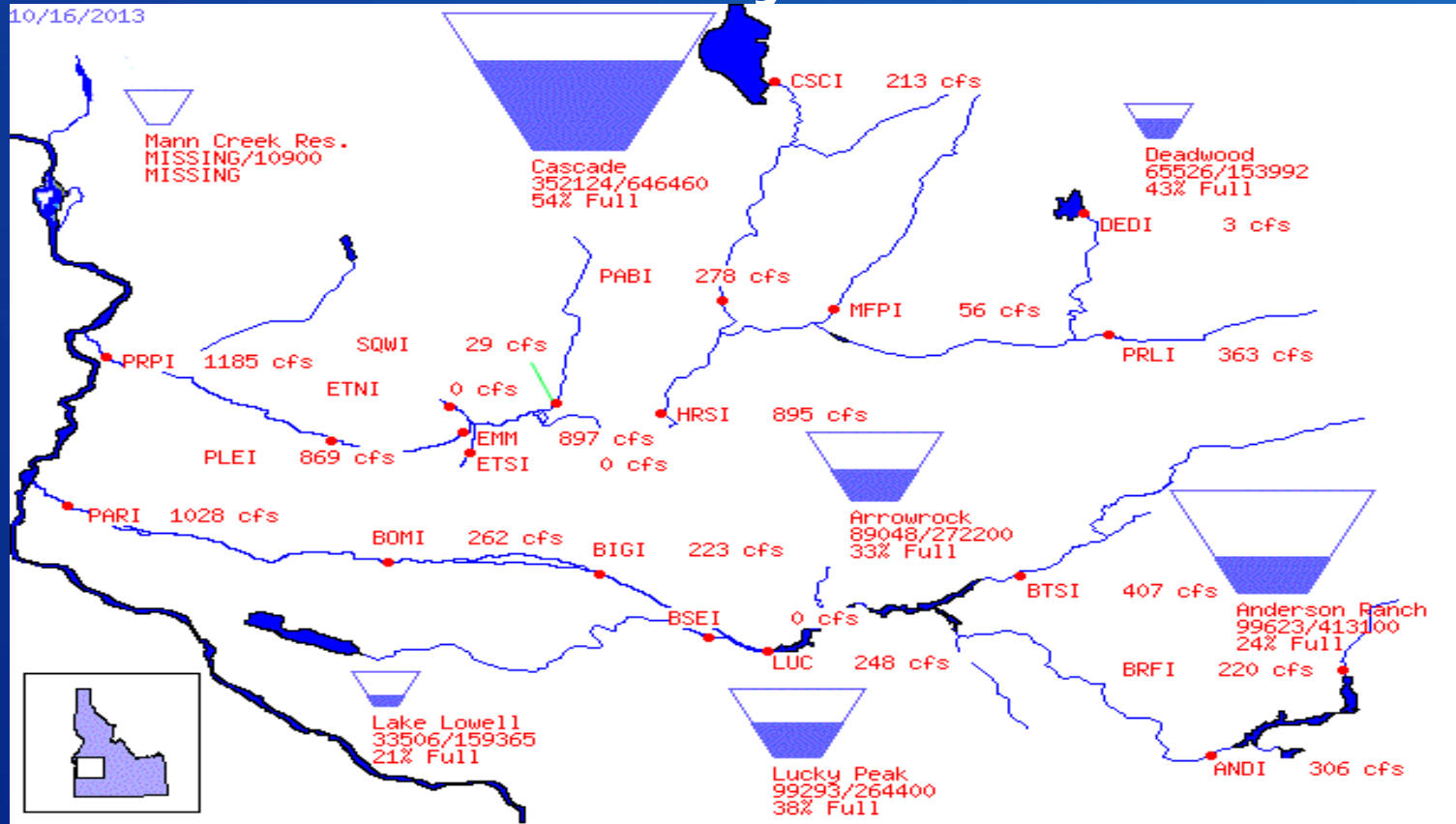
~75% of average runoff

~85% probability of occurring

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# Boise and Payette Basins

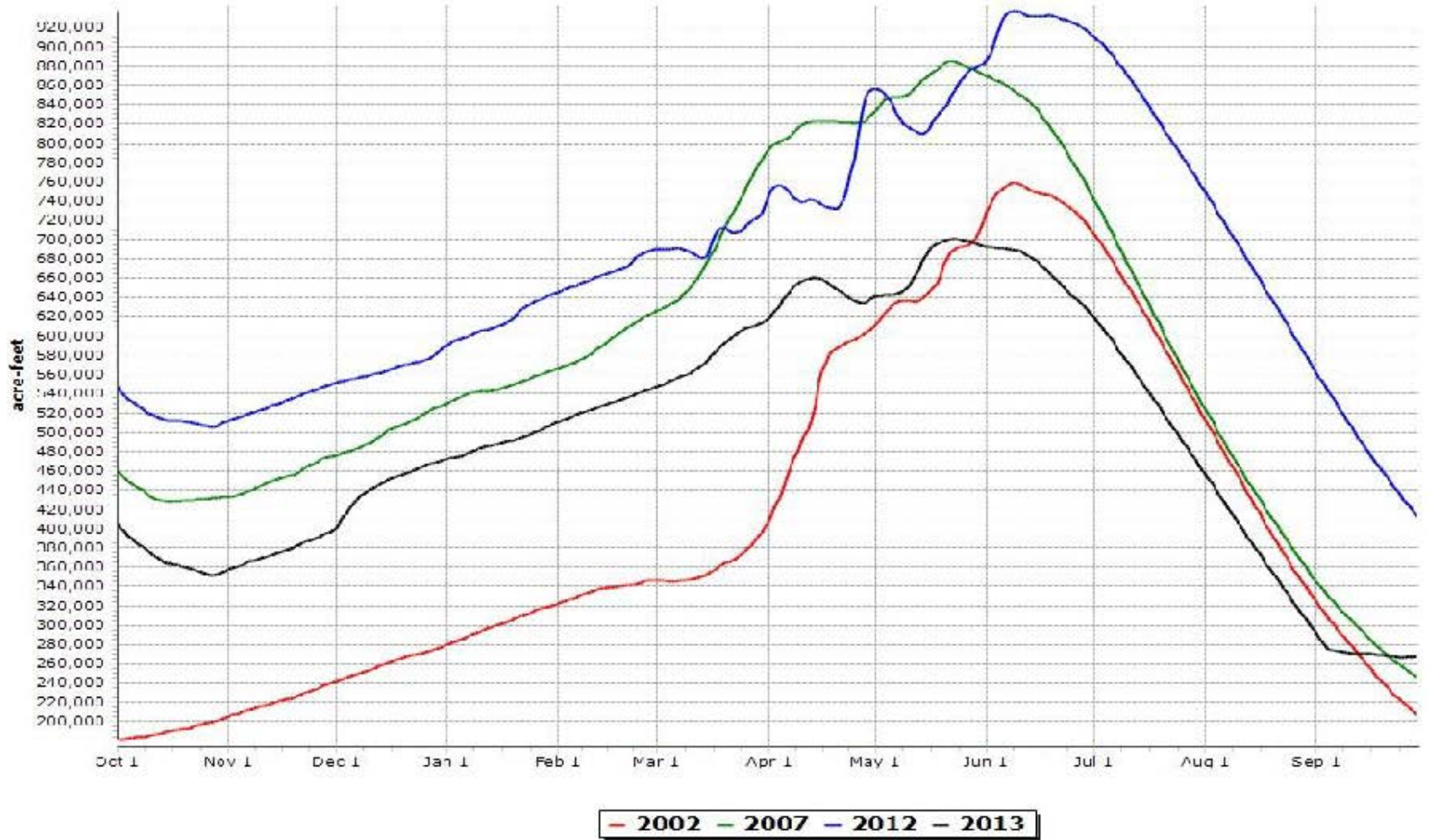
10/16/2013



**Boise System Contents: 288,000 AF**  
**30% of Capacity**  
**83% of Average**

**Payette System Contents: 418,000 AF**  
**52% of Capacity**  
**89% of Average**

## Boise Basin System Storage





# Boise Basin: What is needed for 2014?

For “Full” Recovery (refill the system):

~85% of average runoff

~60% probability of occurring

To “Squeak By” (meet irrigation needs):

~70% of average runoff

~75% probability of occurring

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# Payette Basin: What is needed for 2014?

For “Full” Recovery (refill the system):

~65% of average runoff

~80% probability of occurring

To “Squeak By” (meet irrigation needs):

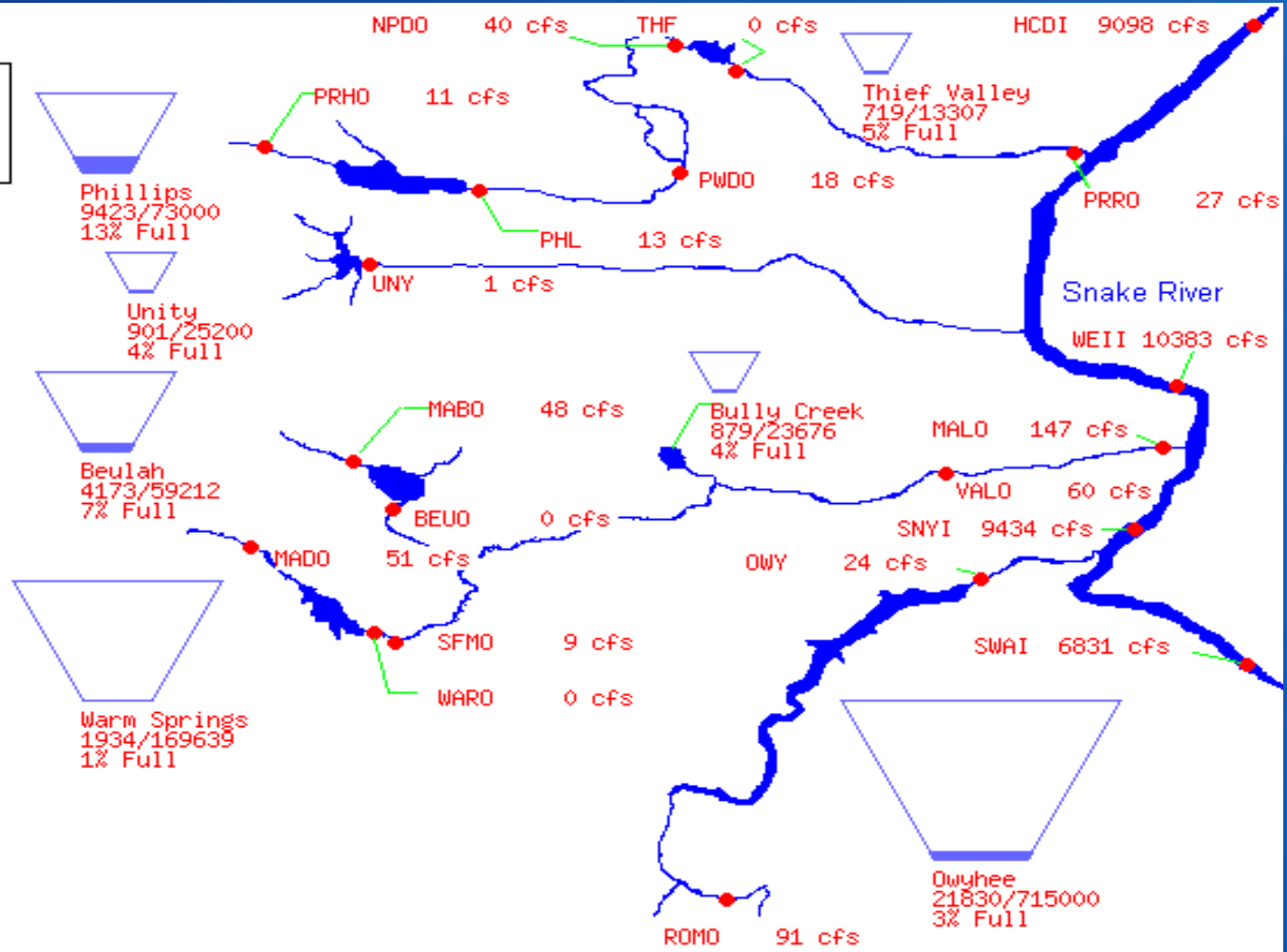
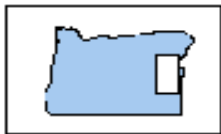
~50% of average runoff

~above 90% probability of occurring

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# Eastern Oregon Basins

10/16/2013



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# Owyhee Basin: What is needed for 2014?

For “Full” Recovery (refill completely):

~135% of average runoff

~30% probability of occurring

To “Squeak By” (meet irrigation needs):

~70% of average runoff

~65% probability of occurring

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# Malheur Basin: What is needed for 2014?

For “Full” Recovery (refill completely):

Beulah:

- ~90% of average runoff

- ~50% probability of occurring

Warm Springs:

- ~135% of average runoff

- ~25% probability of occurring