

Missouri River Basin Water Management

US Army
Corps of Engineers

Water Management Update MRBIR

January 28, 2015

Jody Farhat, P.E.

Chief, Missouri River Basin Water Management

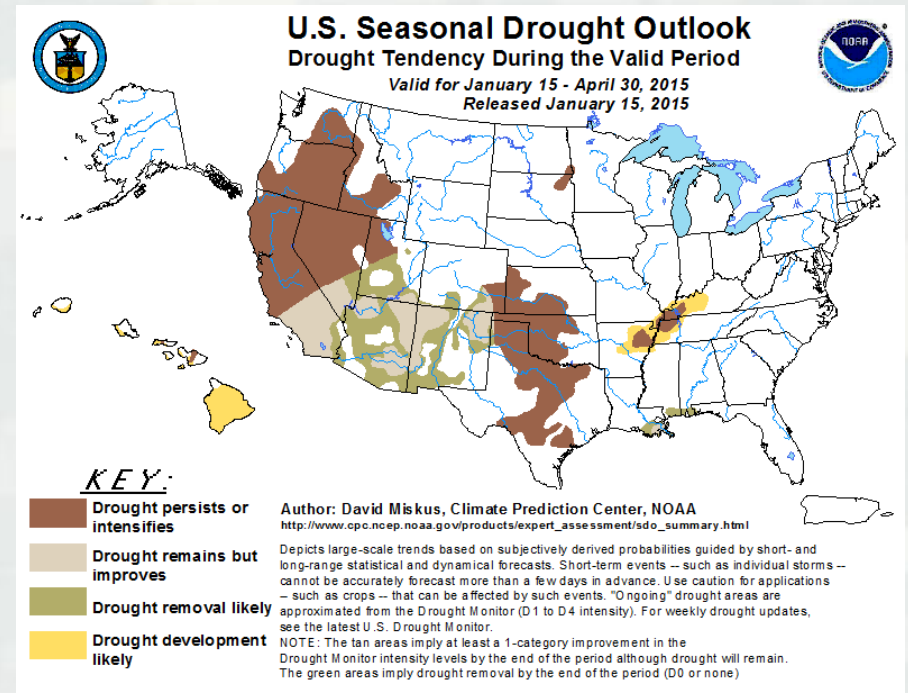
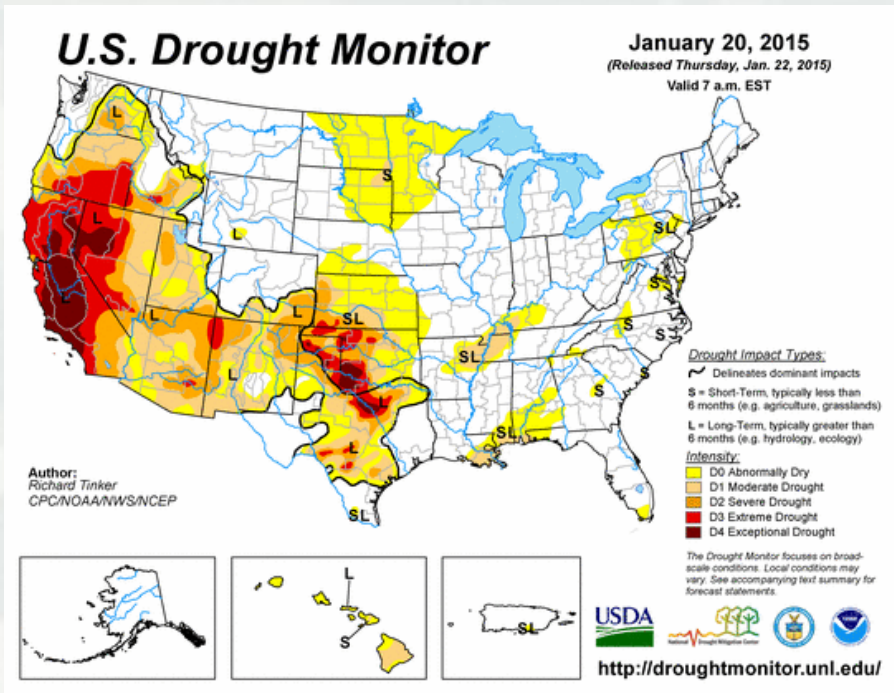


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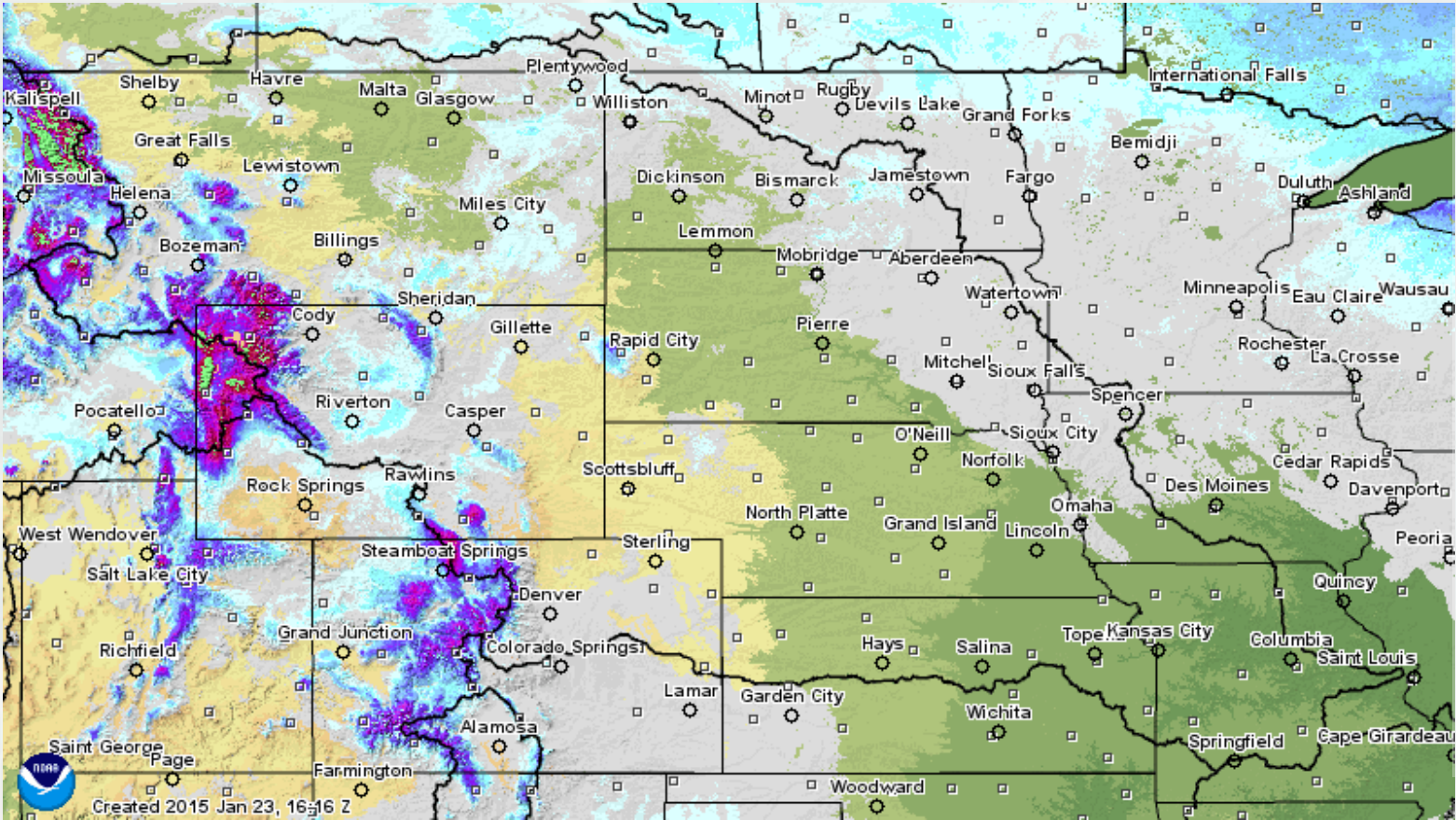
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U.S. Drought Monitor and Outlook



Plains Snowpack

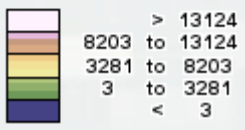


Inches of water equivalent



Not Estimated

Elevation in feet



Graphics courtesy of National Operational Hydrologic Remote Sensing Center (NOHRSC)

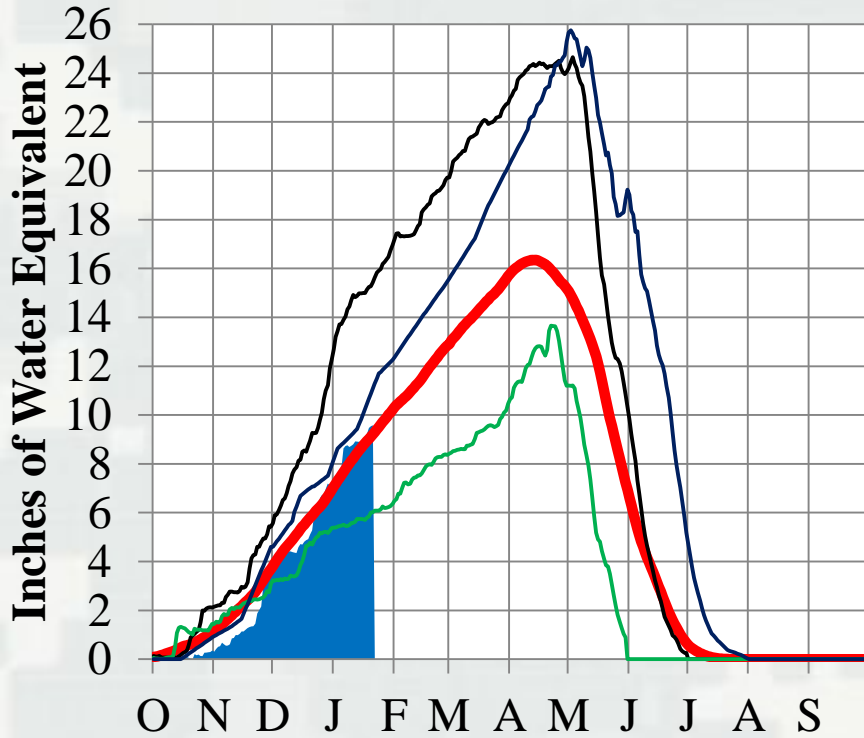
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Missouri Basin

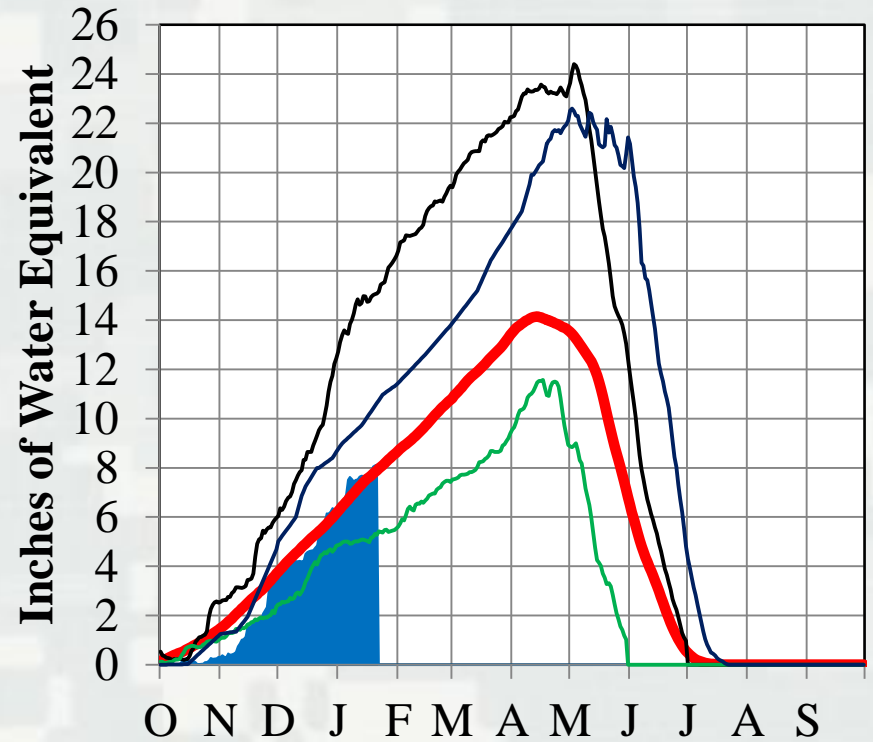
Mountain Snowpack Water Content

January 21, 2015

Total above Fort Peck



Total Fort Peck to Garrison



■ 2014-15 ■ 1981-2010 Ave — 1997 — 2001 — 2011

■ 2014-15 ■ 1981-2010 Ave — 1997 — 2001 — 2011

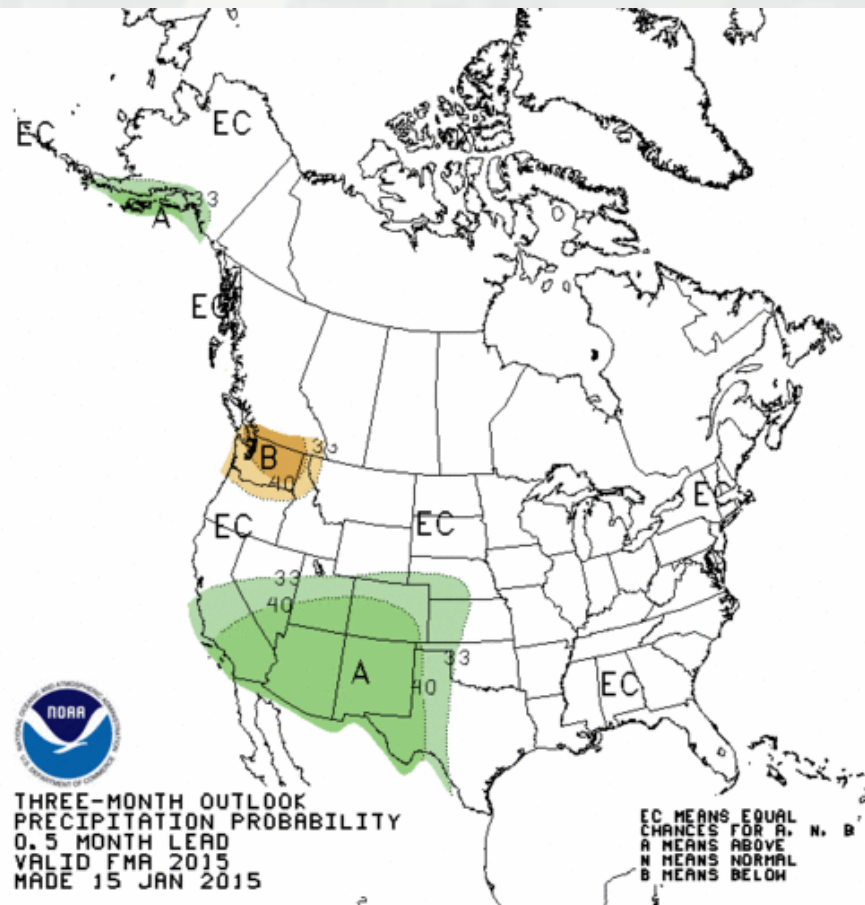
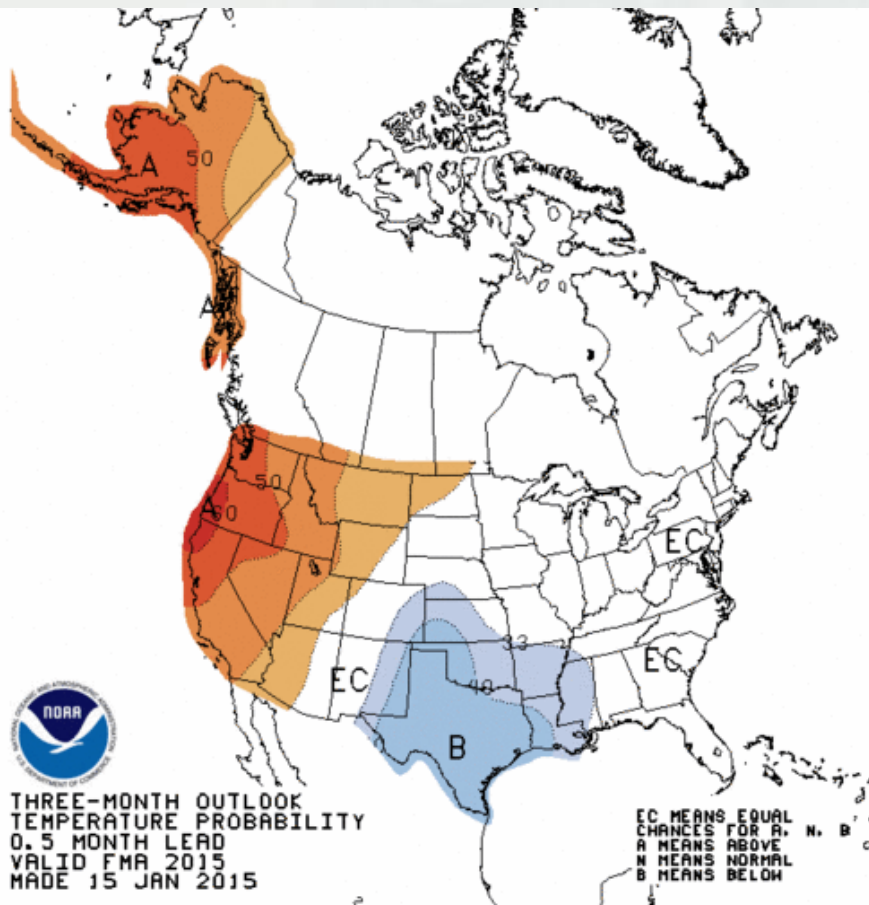
*1997 and 2001 are generally considered the high and low year of the last 20-year period.



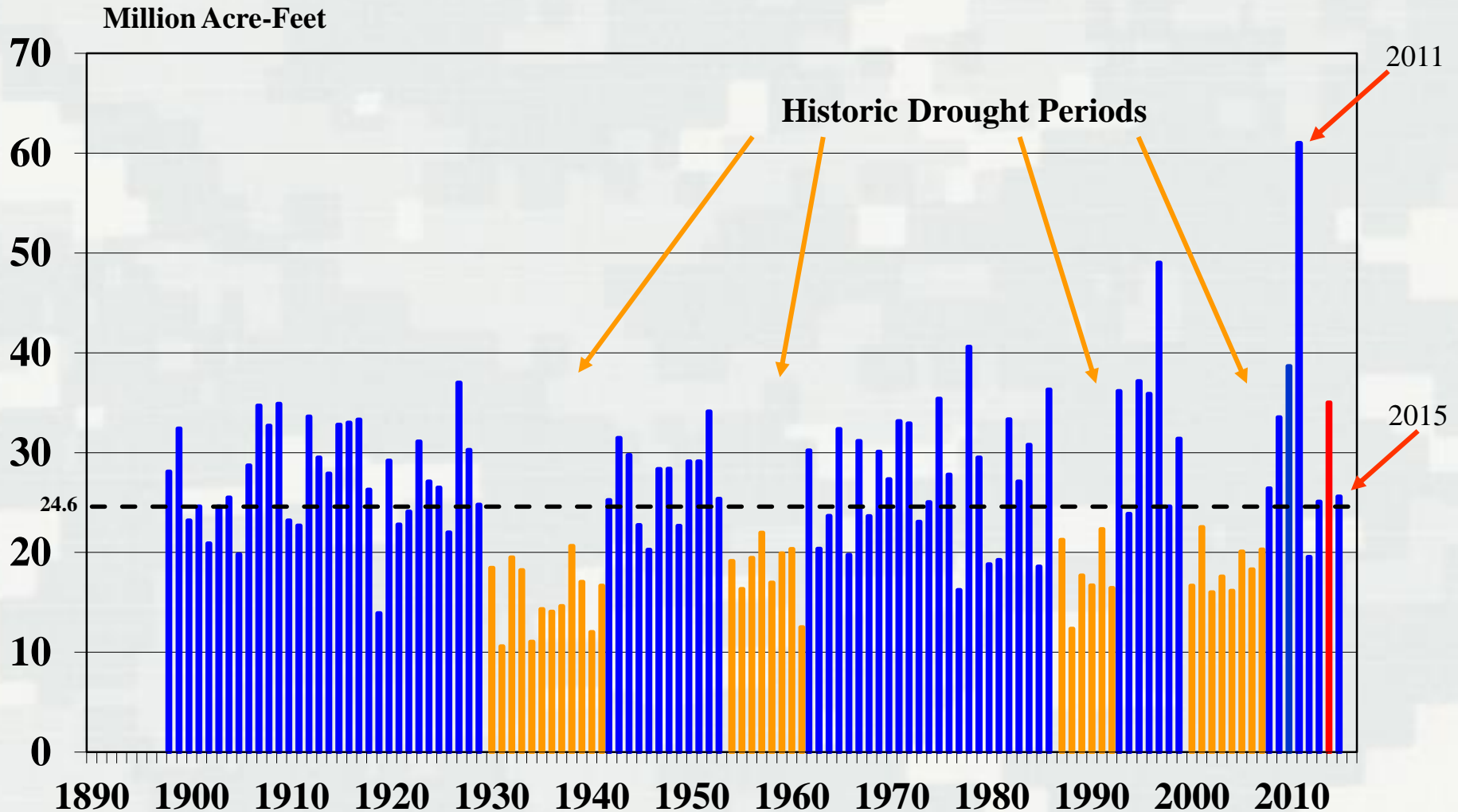
Provisional data. Subject to revision.

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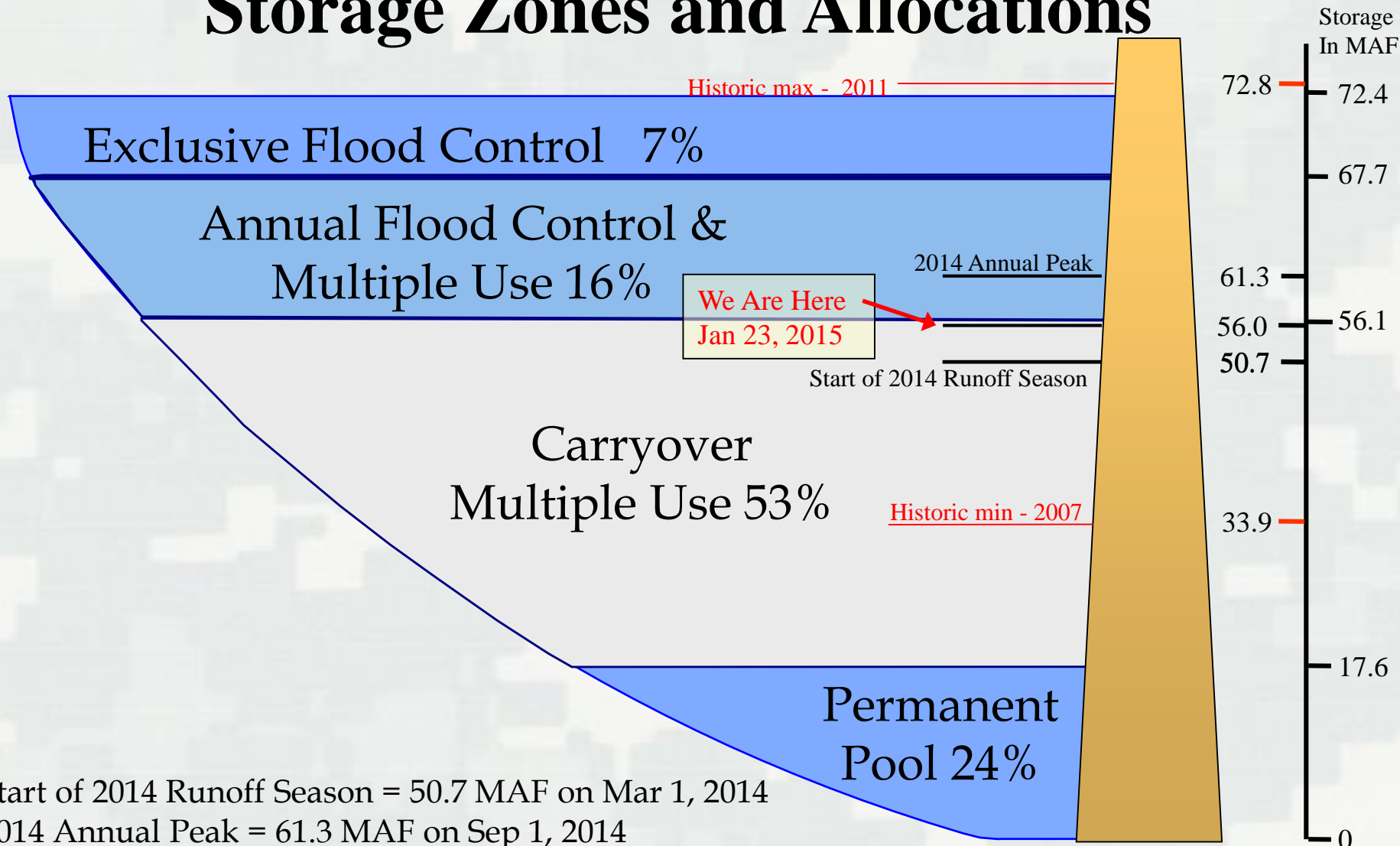
3-Month Outlooks February - April



Missouri River Mainstem System Annual Runoff above Sioux City, IA



Missouri River Mainstem System Storage Zones and Allocations



- Start of 2014 Runoff Season = 50.7 MAF on Mar 1, 2014
- 2014 Annual Peak = 61.3 MAF on Sep 1, 2014
- Current System Storage = 56.0 MAF
- Start of 2015 Runoff Season = Forecast 56.1 MAF on Mar 1, 2015

2015 Reservoir Operations

- Total system storage at the base of the Annual Flood Control zone at start of runoff season; all 2014 flood water has been evacuated
- Full flood control capacity of the system (16.3 MAF) available
- Full service navigation support during first half of the season
 - ▶ Service level for second half of season and season length based on 1 July system Storage
- Hydropower: annual generation forecast is 9.6 BkWh
- Recreation, water supply and irrigation
 - ▶ Good support; no problems anticipated at this time
- Fish and Wildlife / Endangered Species
 - ▶ Favor Fort Peck and Oahe during forage fish spawn
 - ▶ No March and May spring pulses from Gavins Point
 - ▶ Normal summer bird operations anticipated



Key Dates

- Final AOP released in late December; runoff and reservoir regulation studies updated at the beginning of each month
- Monthly calls with Congressional delegations, Tribes, states and local officials and media resumed in January
 - ▶ Next call is February 6, 2015
- Start of 2015 navigation season April 1, 2015 at the mouth
- Public meetings in week of April 6, 2015
 - ▶ Dates/times and locations TBA



Thank You!

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<http://www.nwd-mr.usace.army.mil/rcc/>

Or Google “Corps Missouri River”

