

# Missouri River Water Management

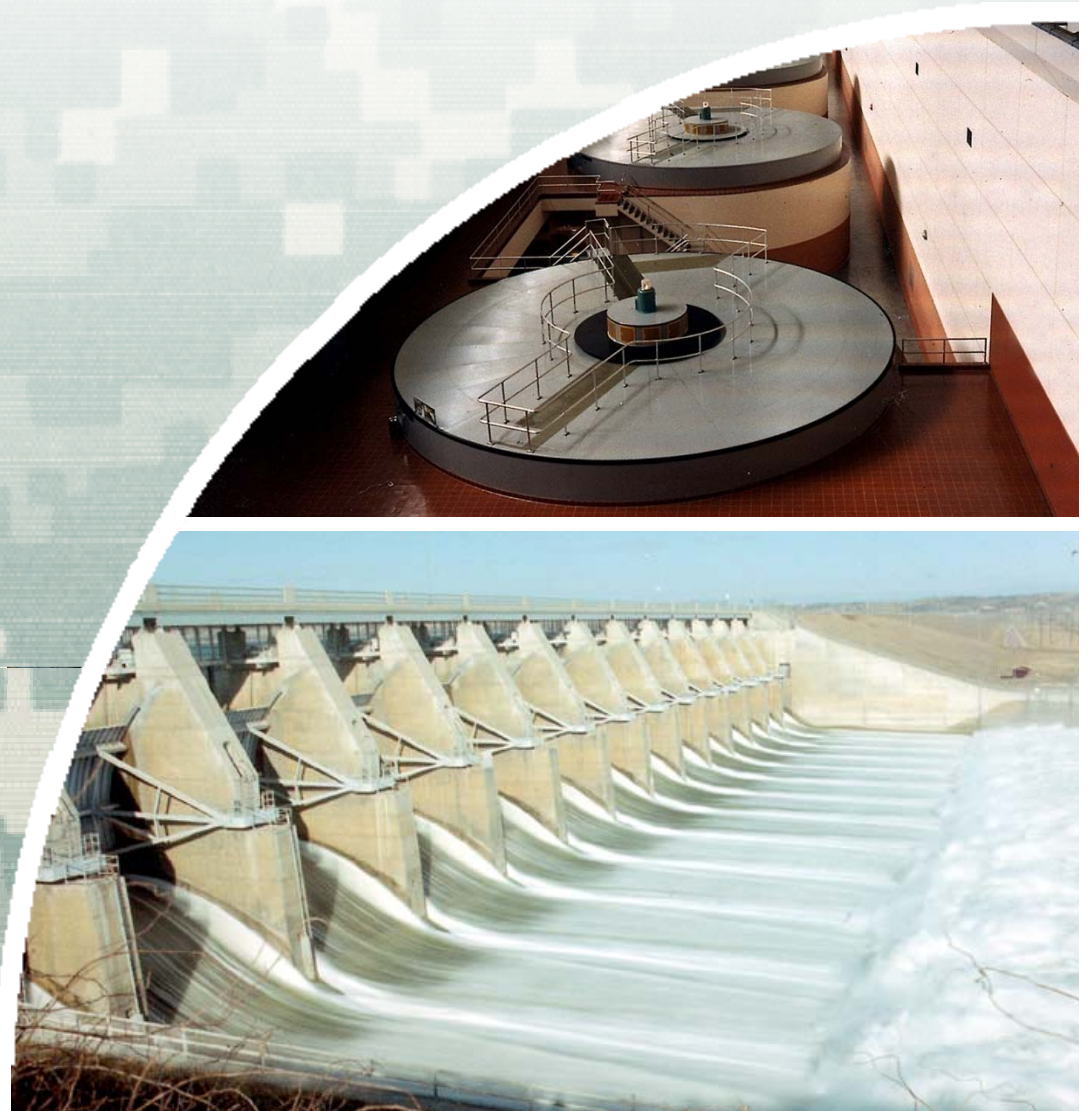
*US Army  
Corps of Engineers*

**Spring Flood Fight Training**  
February 23, 2016

**Mike Swenson, P.E.**  
Power Production Team Leader  
Missouri River Basin Water Management Division



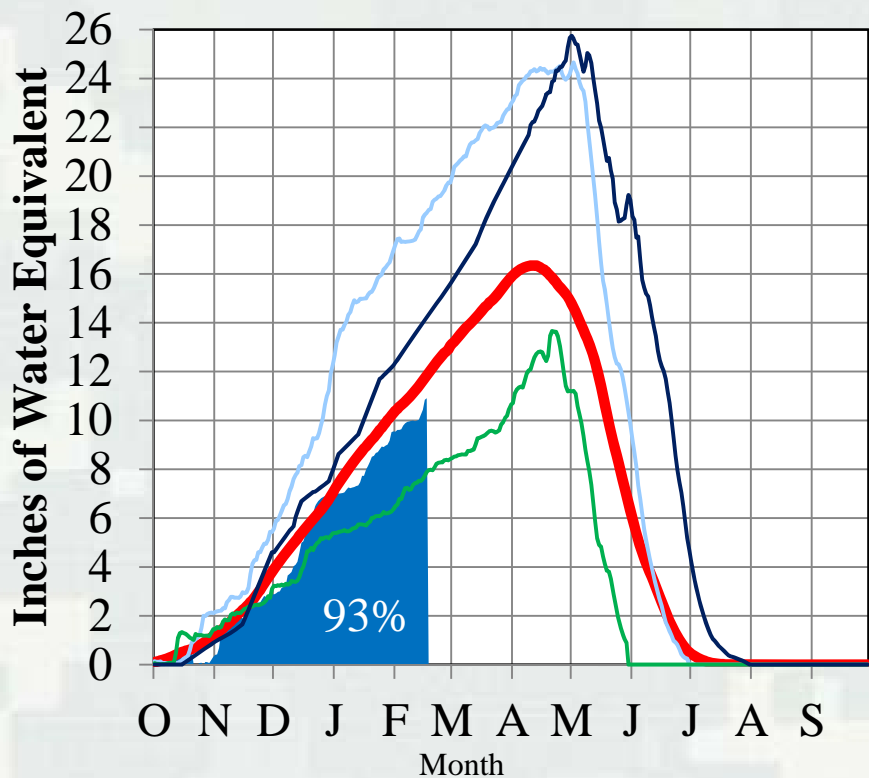
US Army Corps of Engineers  
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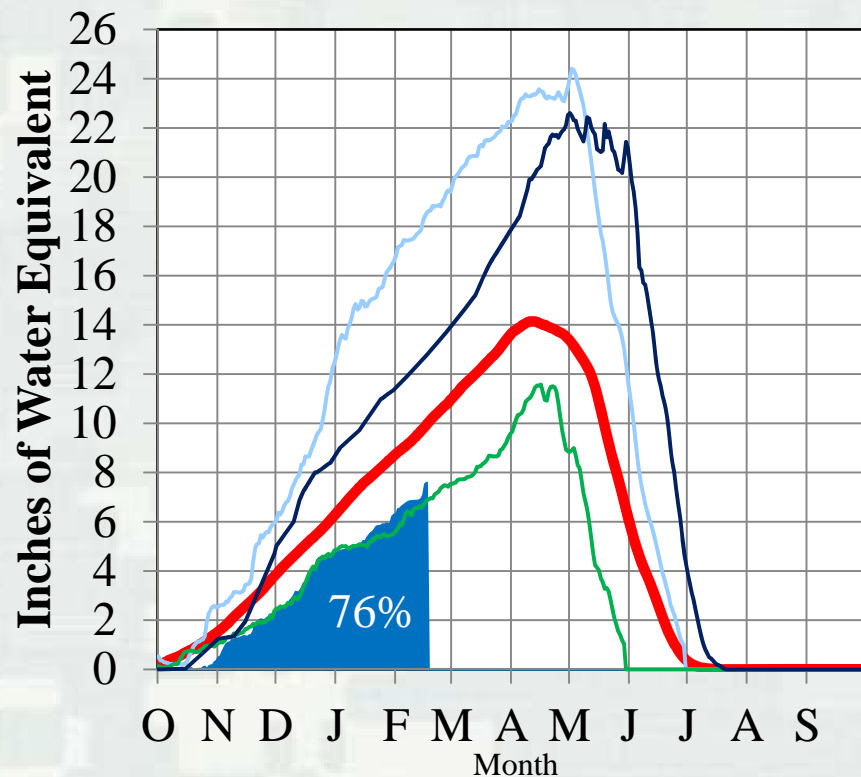
# Missouri Basin Mountain Snowpack Water Content

February 17, 2016

### Total above Fort Peck



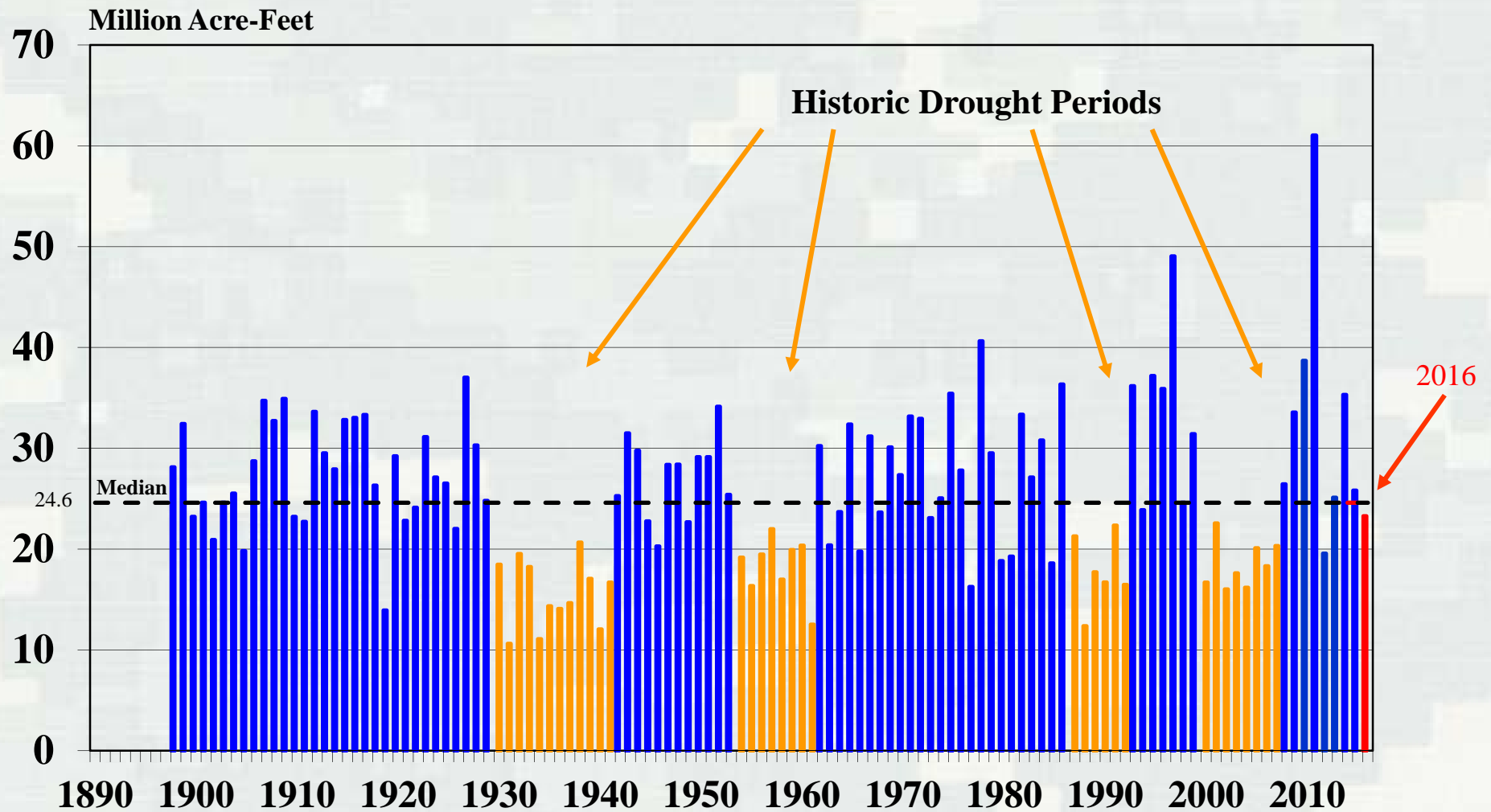
### Total Fort Peck to Garrison



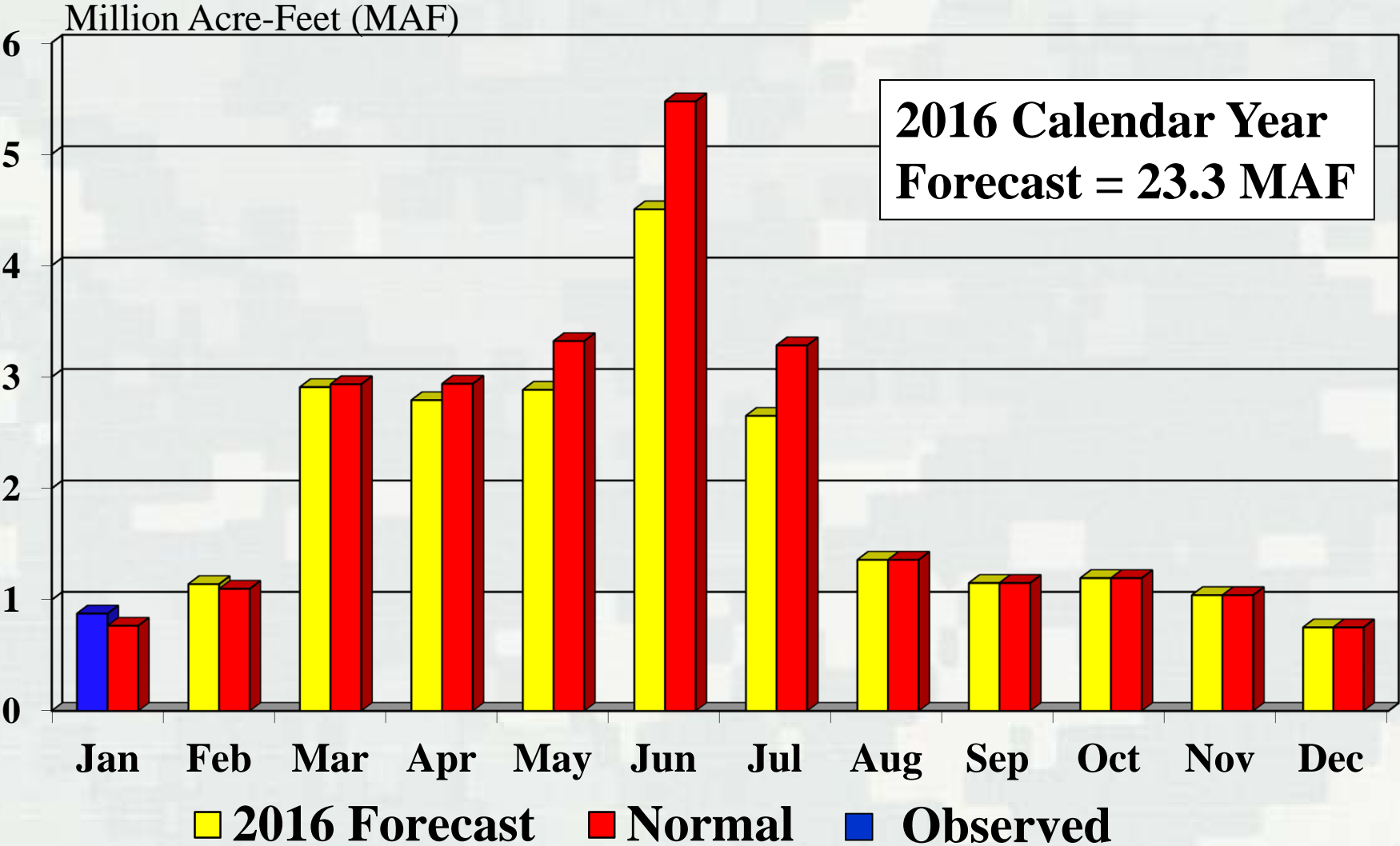
70% of normal peak accumulation has normally occurred by February 15

\*Generally considered the high and low year of the last 20-year period.

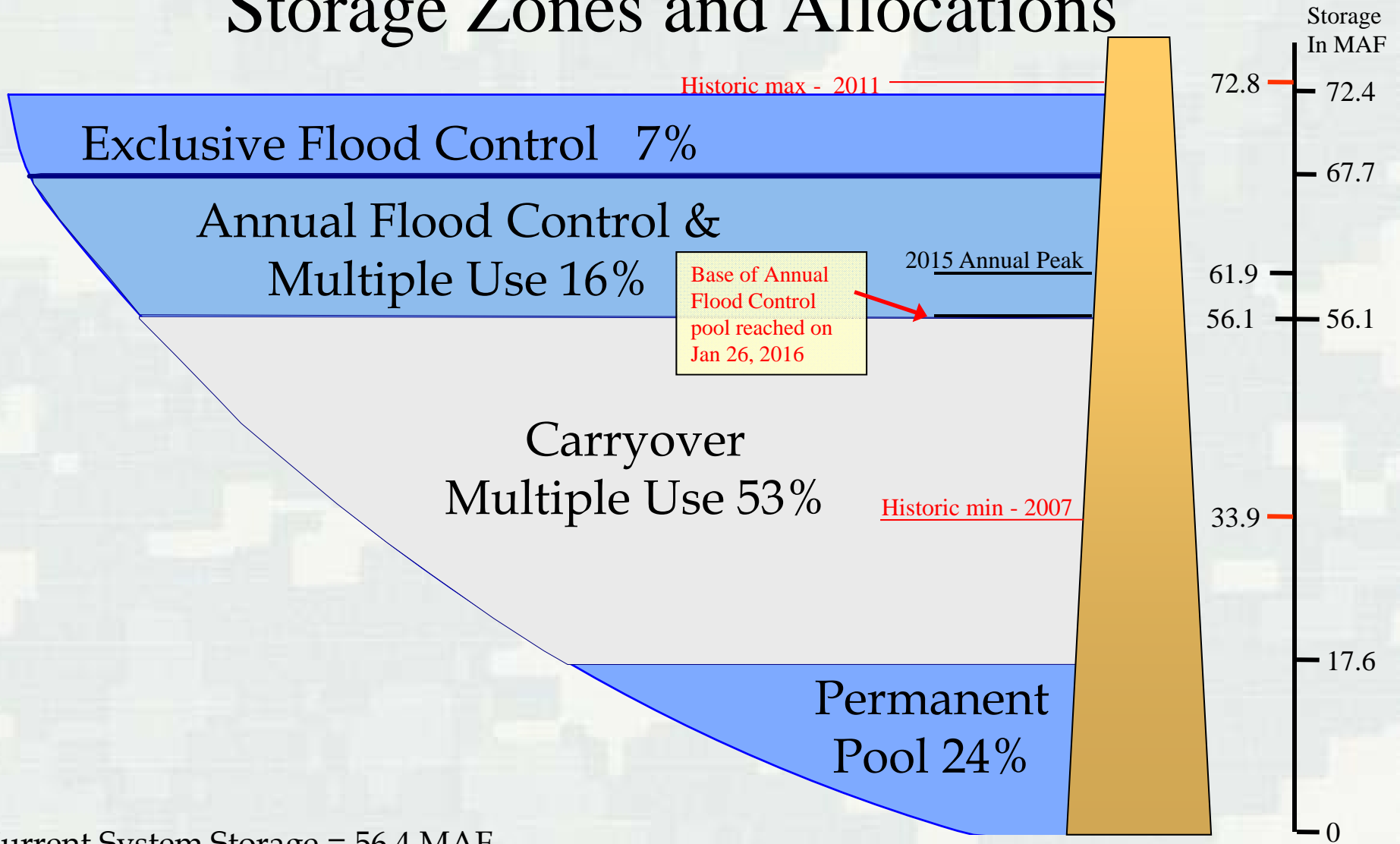
# Missouri River Mainstem System Annual Runoff above Sioux City, IA



# Missouri River Runoff above Sioux City, Iowa 2016 Forecast

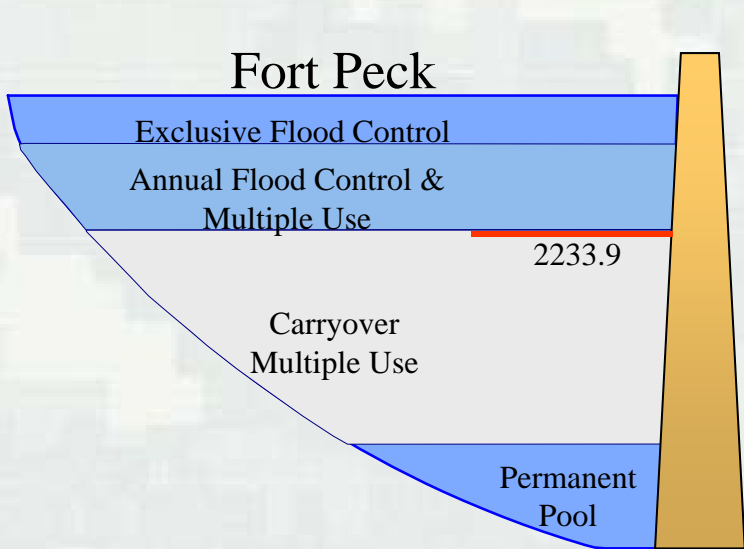


# Missouri River Mainstem System Storage Zones and Allocations

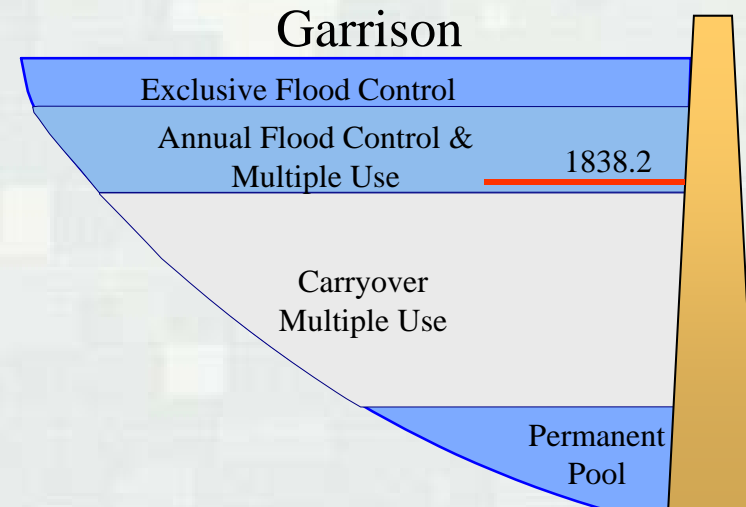
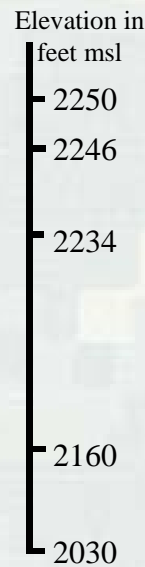


• Current System Storage = 56.4 MAF

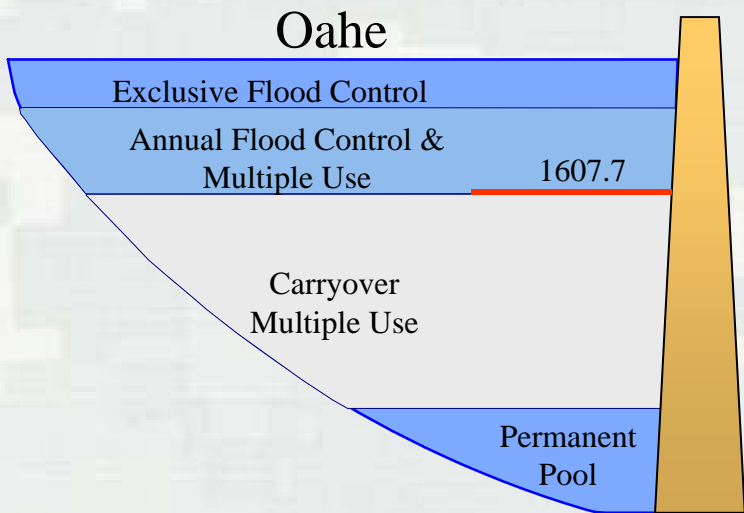
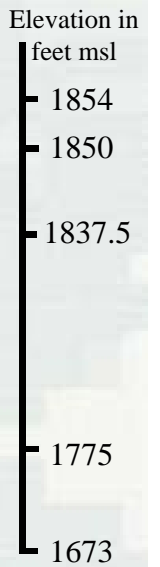
# Current Reservoir Levels – February 16, 2016



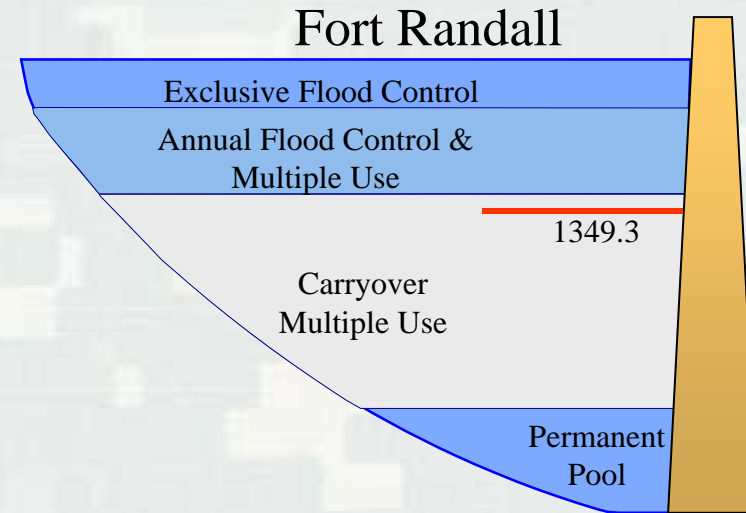
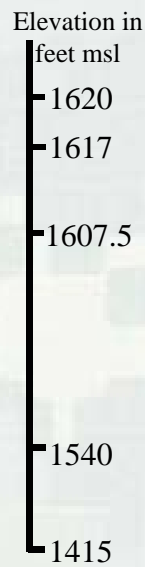
0.1 feet below base of Flood Control zone



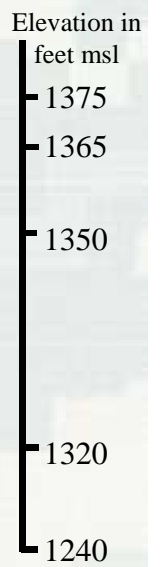
0.7 feet above base of Flood Control zone



0.2 feet above base of Flood Control zone



0.7 feet below base of Flood Control zone



# 2016 Reservoir Operations

- Total system storage at the base of the Annual Flood Control zone at start of runoff season; all 2015 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 9.3 BkWh
- Recreation, water supply and irrigation
  - ▶ Good support; no problems anticipated at this time
- Fish and Wildlife / Endangered Species
  - ▶ Favor Garrison during forage fish spawn if runoff is not sufficient to keep all three upper reservoirs rising
  - ▶ 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 March 4, 2016
- Start of 2016 navigation season April 1 at the mouth
- Public meetings week of April 11, 2016
  - ▶ Dates/times and locations TBA





# Thank You!

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

Or Google “Corps Missouri River”



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