# Hydrology/WQ Tech group

Presentation to the Plenary

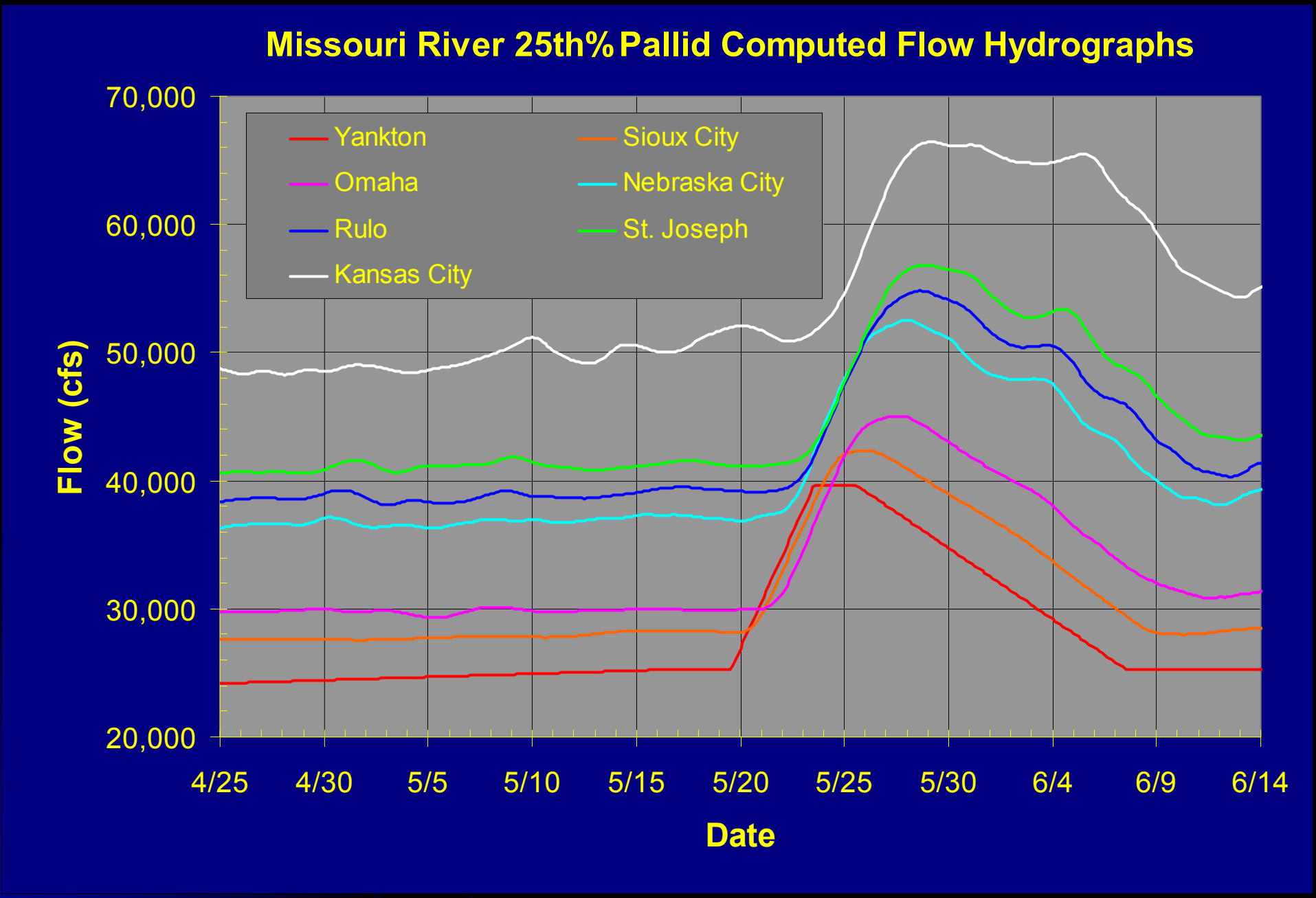
July 26, 2005

# Overview of presentation

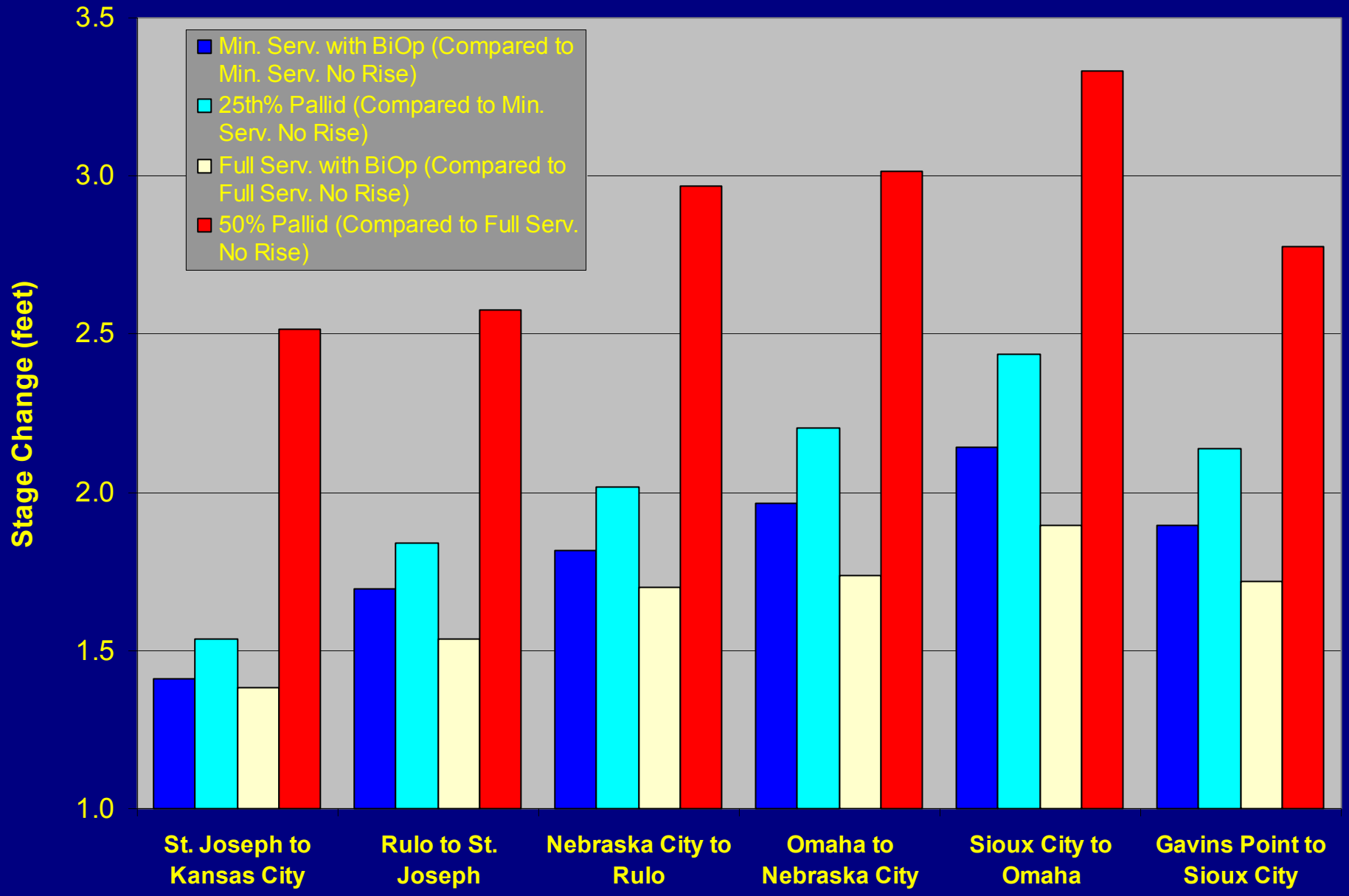
- Overview of additional technical runs – David Barfield
- Framework for building options – Jeff Shafer
- 3 options from the Hydrology/WQ group – Mark Rath and Jeff Shafer
- Questions

# Hydrology/WQ Tech group

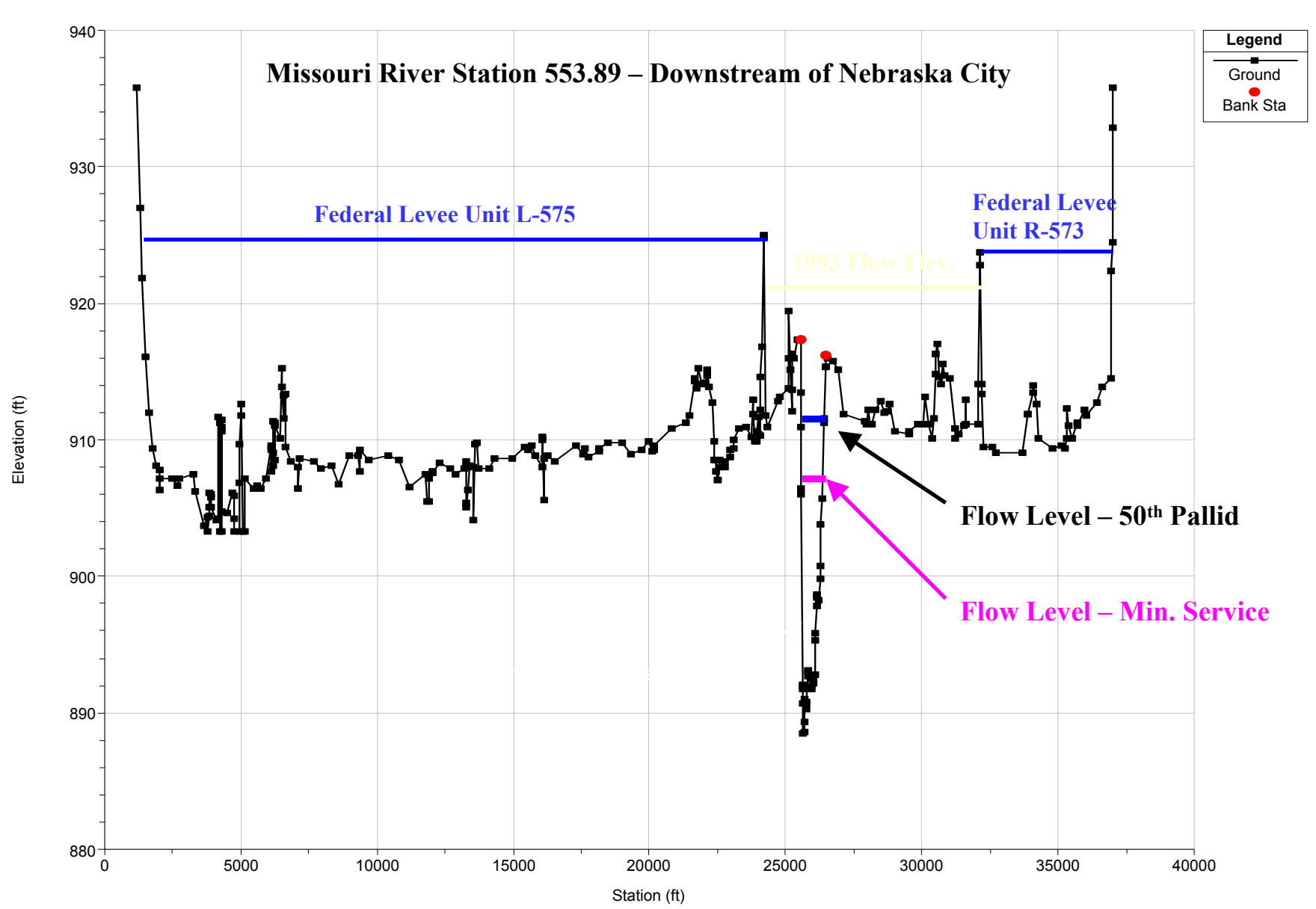
- Model runs on attenuation of a spring rise
- AOP 2006-7 runs


Missouri River 25th% Pallid Computed Flow Hydrographs
Yankton
Sioux City
Omaha
Nebraska City
Rulo
St. Joseph
Kansas City
70,000
60,000
50,000
40,000
30,000
20,000
Flow (cfs)
4/25
4/30
5/5
5/10
5/15
5/20
5/25
5/30
6/4
6/9
6/14
Date

# Maximum Stage Change Averaged by Reach - Compared to No Rise

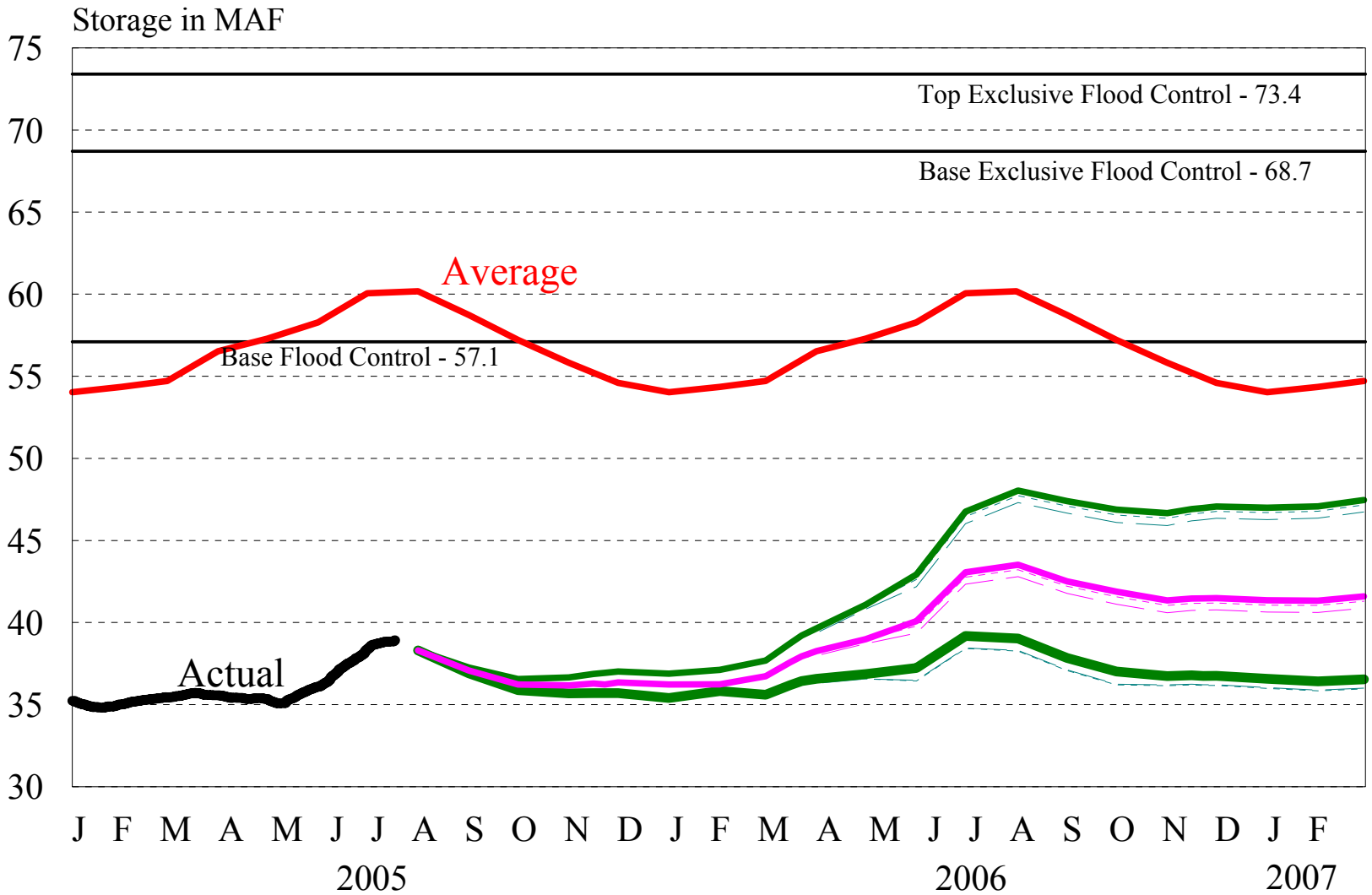


# Cross Section Example

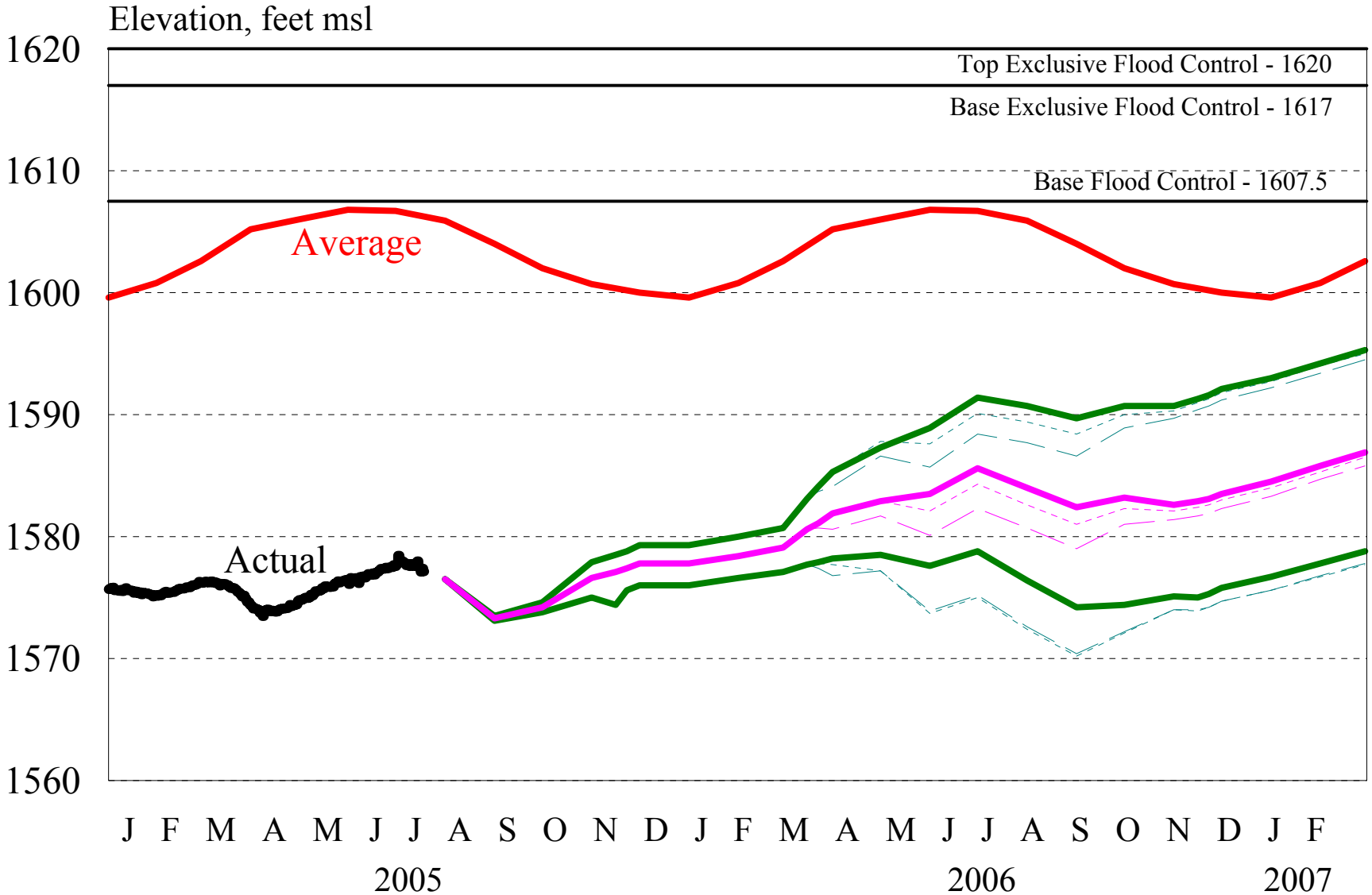


# AOP runs for 2006-7

# System Storage
## 2005-2006 Preliminary Draft AOP




Average: 1967-2004

# Oahe

## 2005-2006 Preliminary Draft AOP