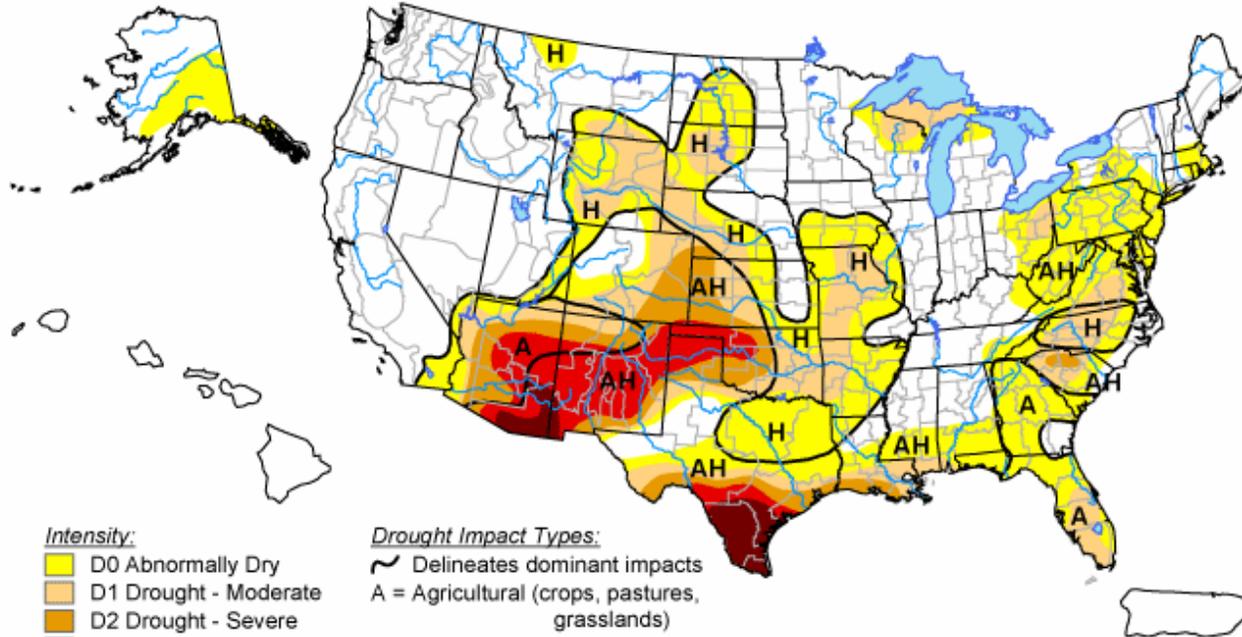


Interim Operations Plan

Lessons Learned
and
Areas of Concern

U.S. Drought Monitor

May 9, 2006
Valid 8 a.m. EDT



Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

Drought Impact Types:

- Delineates dominant impacts
- A = Agricultural (crops, pastures, grasslands)
- H = Hydrological (water)
- (No type = Both impacts)

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



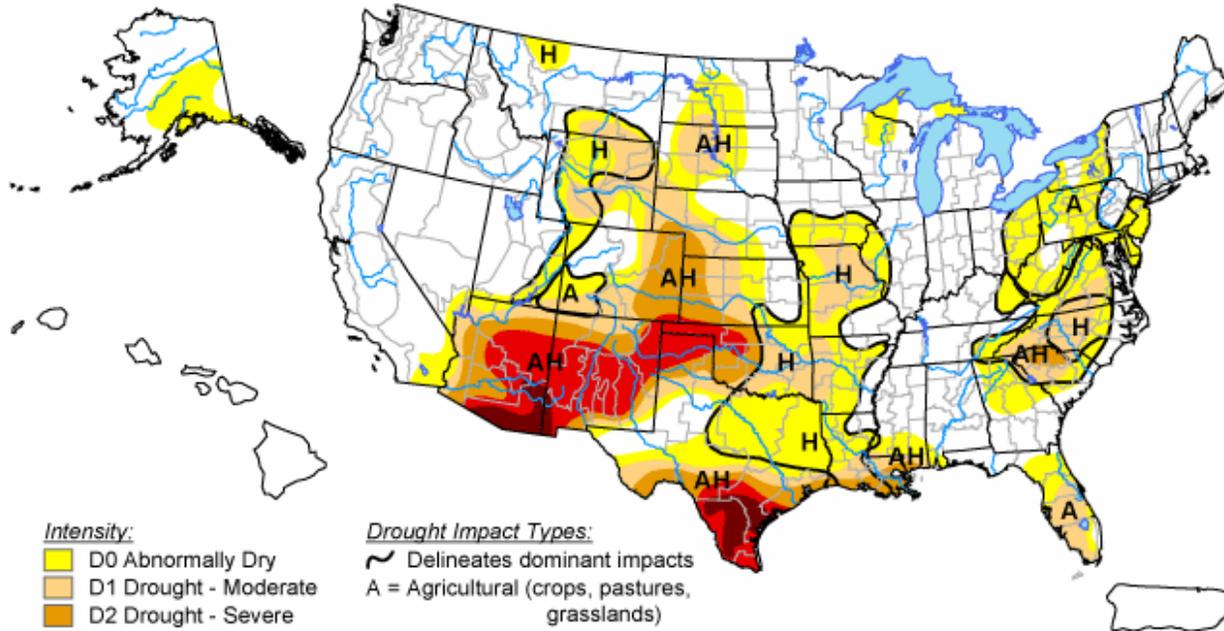
Released Thursday, May 11, 2006

Author: Mark Svoboda, National Drought Mitigation Center

<http://drought.unl.edu/dm>

U.S. Drought Monitor

May 16, 2006
Valid 8 a.m. EDT



Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

Drought Impact Types:

- Delineates dominant impacts
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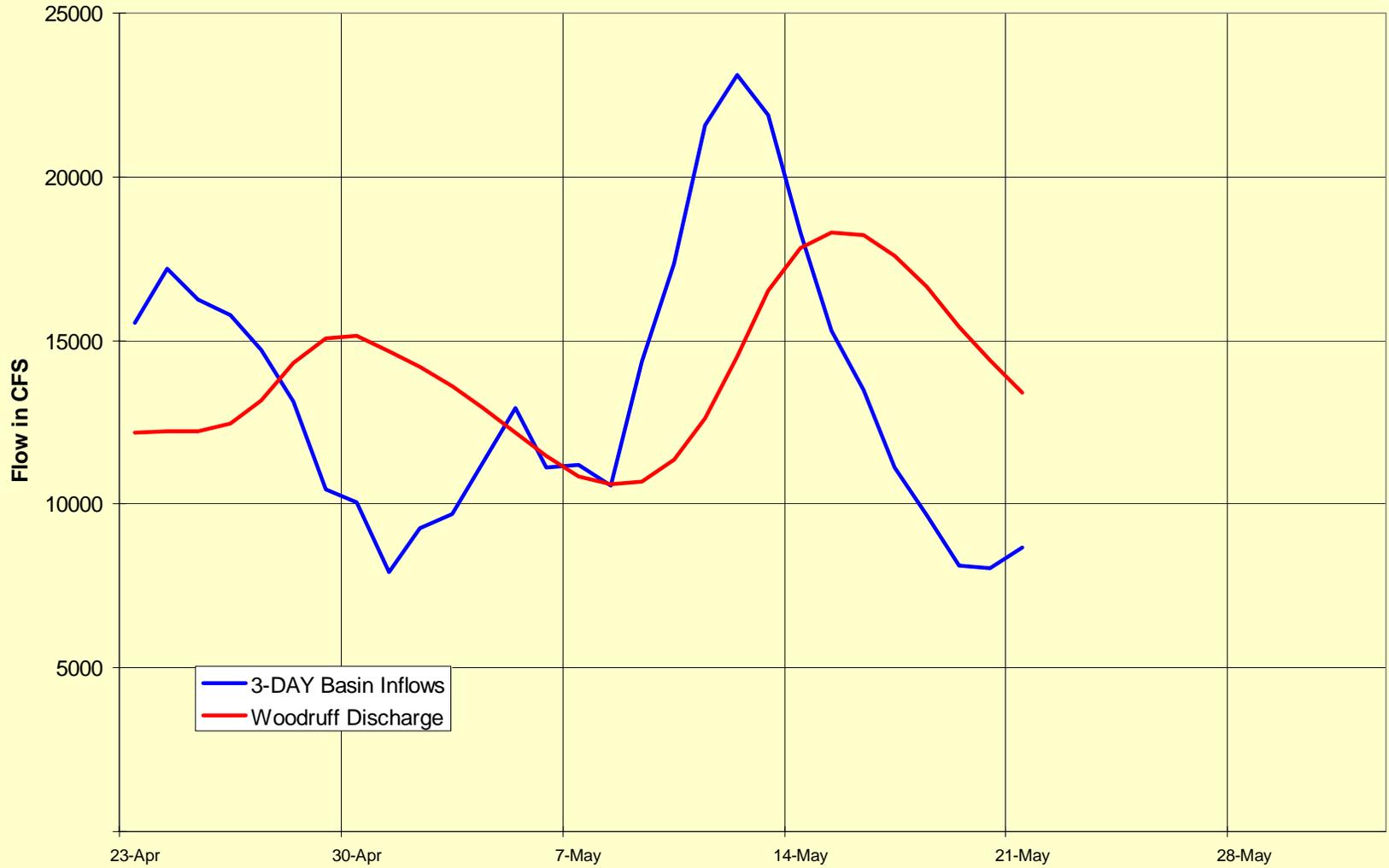
<http://drought.unl.edu/dm>



Released Thursday, May 18, 2006
Author: David Miskus, JAWF/CPC/NCEP/NOAA

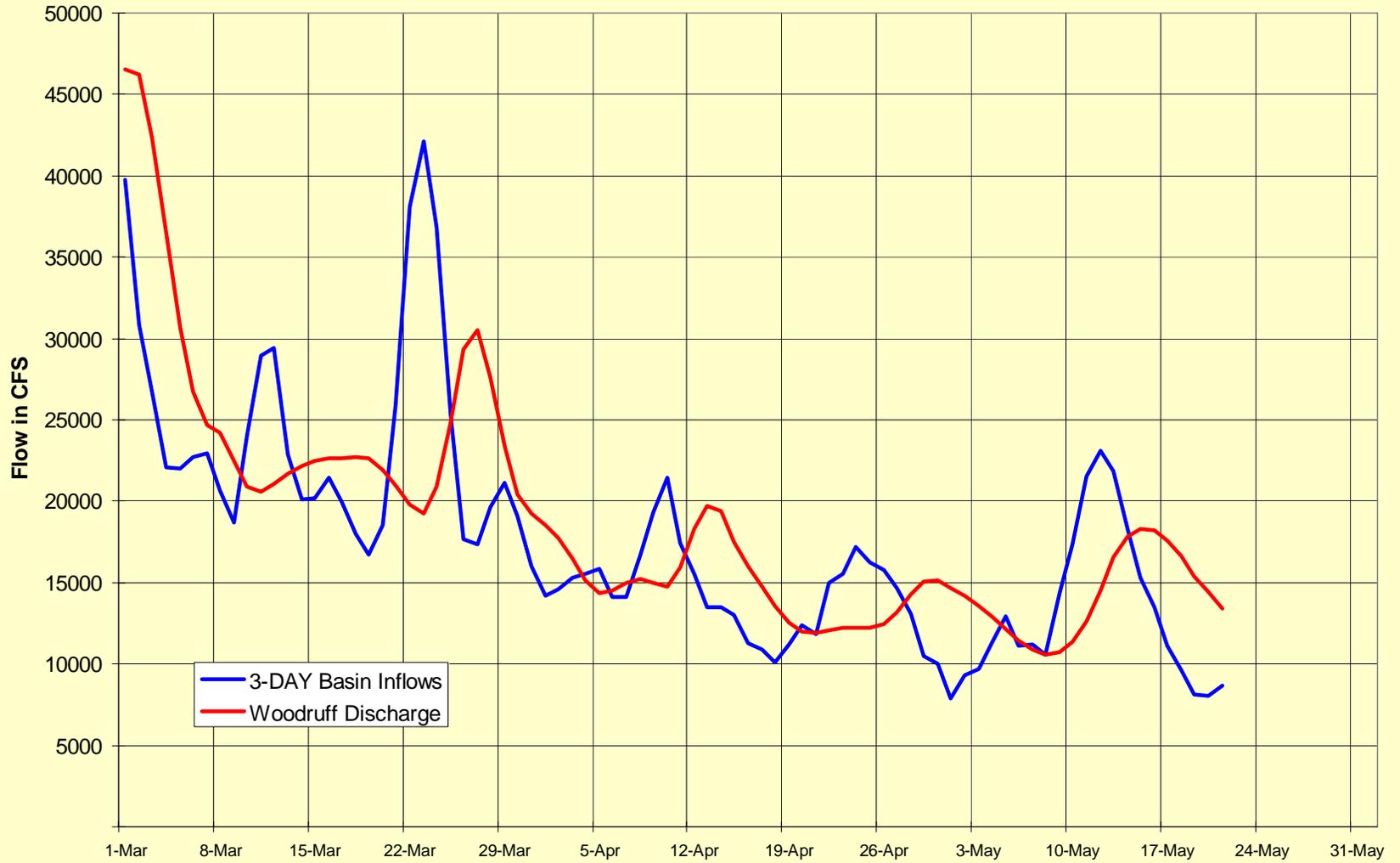
- Ramping Rates Should Be Considered in Balancing Basin Inflow with Releases

ACF 3-Day Basin Inflow vs 3-Day Discharge

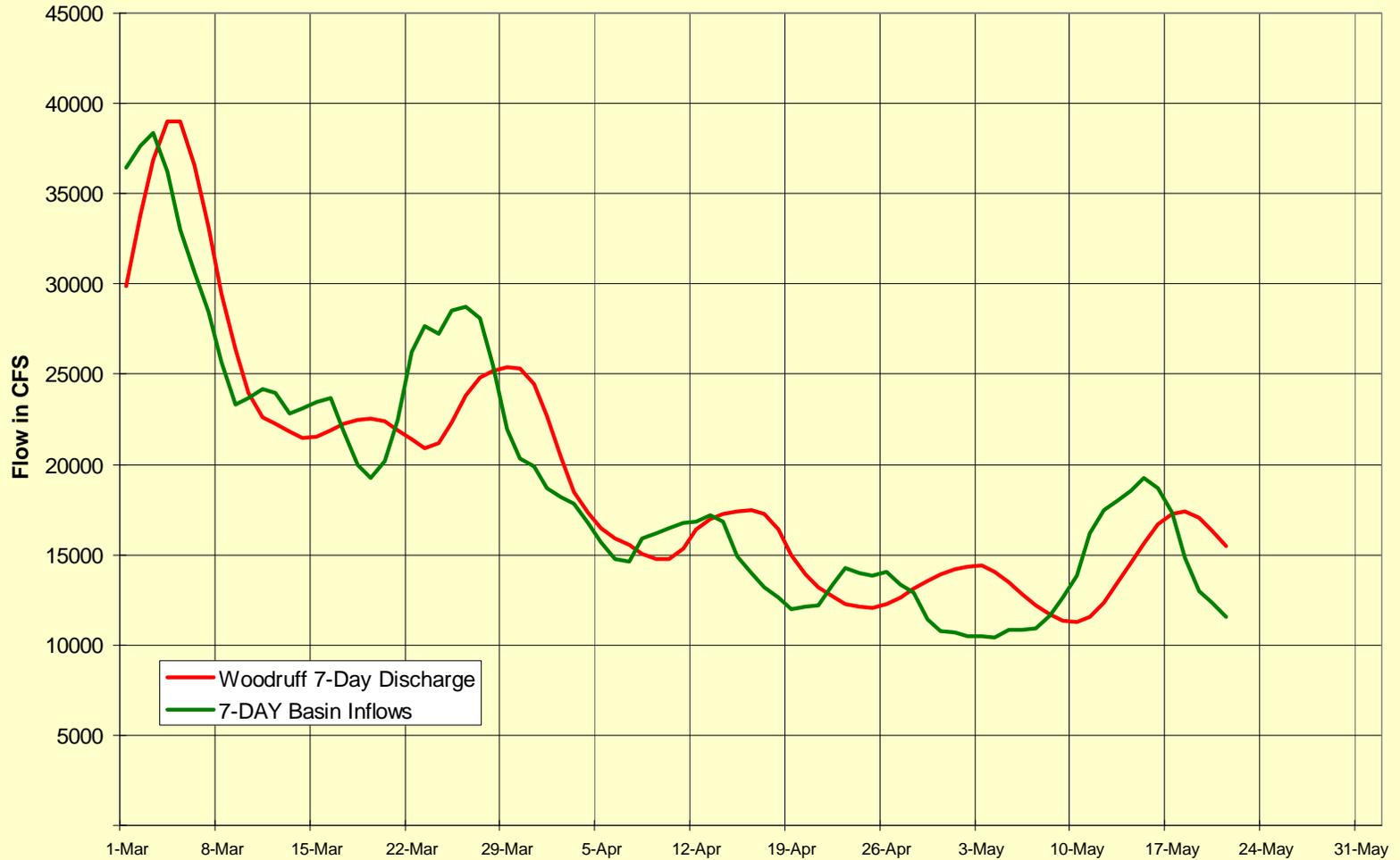


- Computation of Basin Inflow – 3-Day Average, 7-Day Average, Longer Period? 7-Day Average provides smoother transition and helps to minimize the impact of the rampdown rates.
- Routing of Basin Inflows

ACF 3-Day Basin Inflow vs 3-Day Discharge

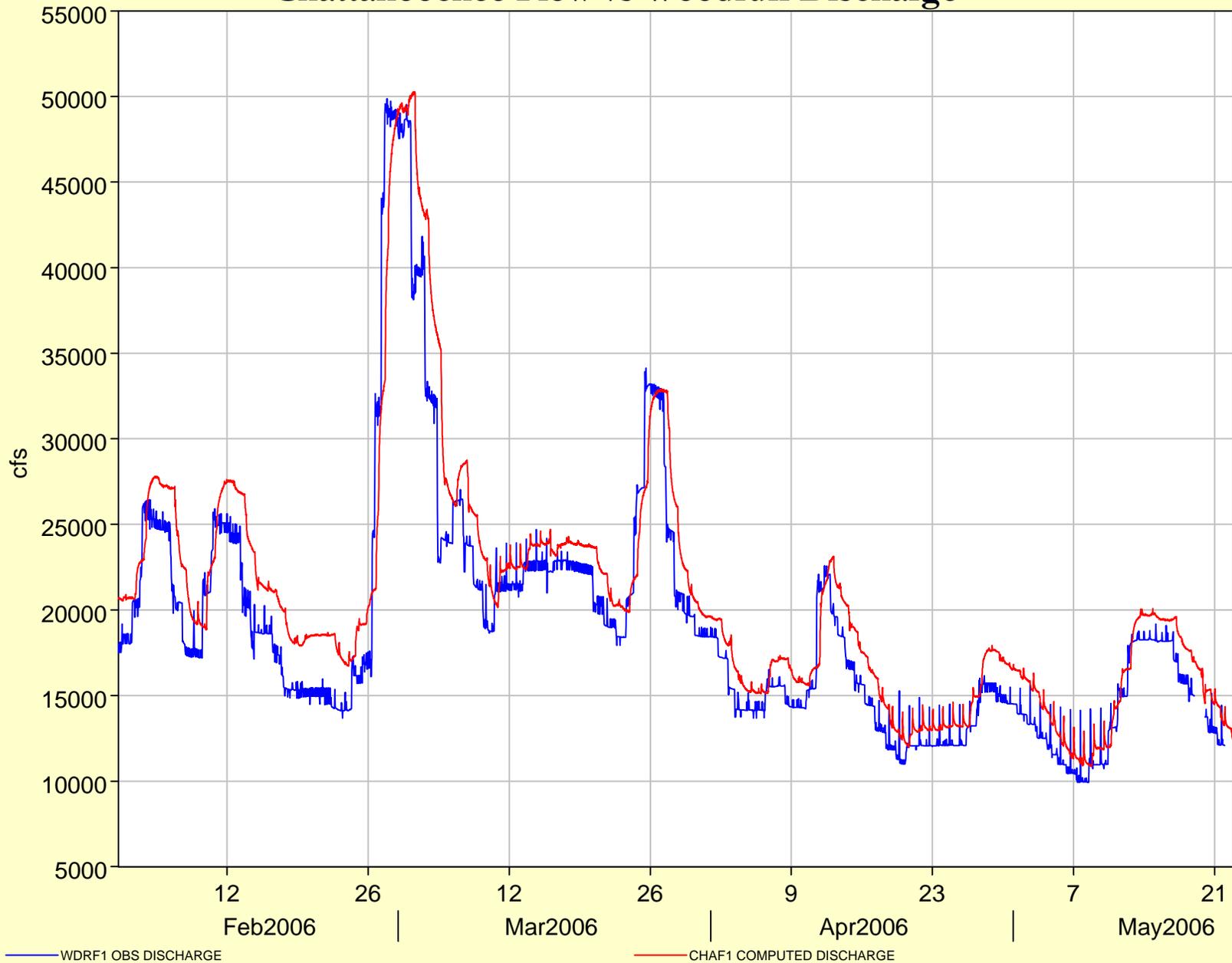


ACF 7-Day Basin Inflow vs 7-Day Discharge



- Differences between Woodruff Discharges and Flows at Chattahoochee Gage.
 - Powerhouse turbine releases based on manufacturer discharge ratings
 - Spillway releases are based on computed spillway gate ratings
 - Seepage and other flow occurring beneath dam and underground springs (Avg of about 200 cfs at known river boil)

Chattahoochee Flow vs Woodruff Discharge



- Physical Limitations to the Operation of Woodruff Powerhouse & Spillway to Meet Releases and Rampdown Rates.
- Releasing 70-100% Basin Inflow – Does this provide adequate opportunities to refill the projects?
- Adjustment to the 37,400 cfs and 20,400 cfs thresholds.