

ENO RIVER WATER USERS MEETING
10:00 A.M.

August 31, 2006
Hillsborough, NC

Meeting Highlights

Attendees:

Linwood Peele – DWR;
Emily Parish & Brian Strong – DPR;
Dave Cook – Eno River State Park;
Kevin Lindley – Orange County;
Kenny Keel – Hillsborough;
Roger Hellard & Faye Metcalf – Orange-Alamance;
Don Cox, Robin Jacobs, & Holly Reid – Eno River Association.

Historical Operations:

- The Eno River has the only voluntary capacity use agreement in North Carolina
- Don Cox described the history of the Eno River agreement and how it came to be. Due to competing water users, Orange County stepped in to manage the agreement approval from the EMC.

Gages and Weirs:

- The week prior to the meeting, the Hillsborough gage read high;
 - Someone had built a rock dam in the river on the weir.
- Kevin Lindley discussed beaver issues;
 - USGS asked that no one tamper with the beaver dams.
 - USGS prefers to be called out to recalibrate flow data.
 - This process can lead to delay of restriction lifting and implementation.
- Discussed the use of a Doppler gage by Orange County;
 - Con: more expensive,
 - Pro: more accurate than reading elevation,
 - Pro: can distinguish between beaver-related water level rise and actual high flows.

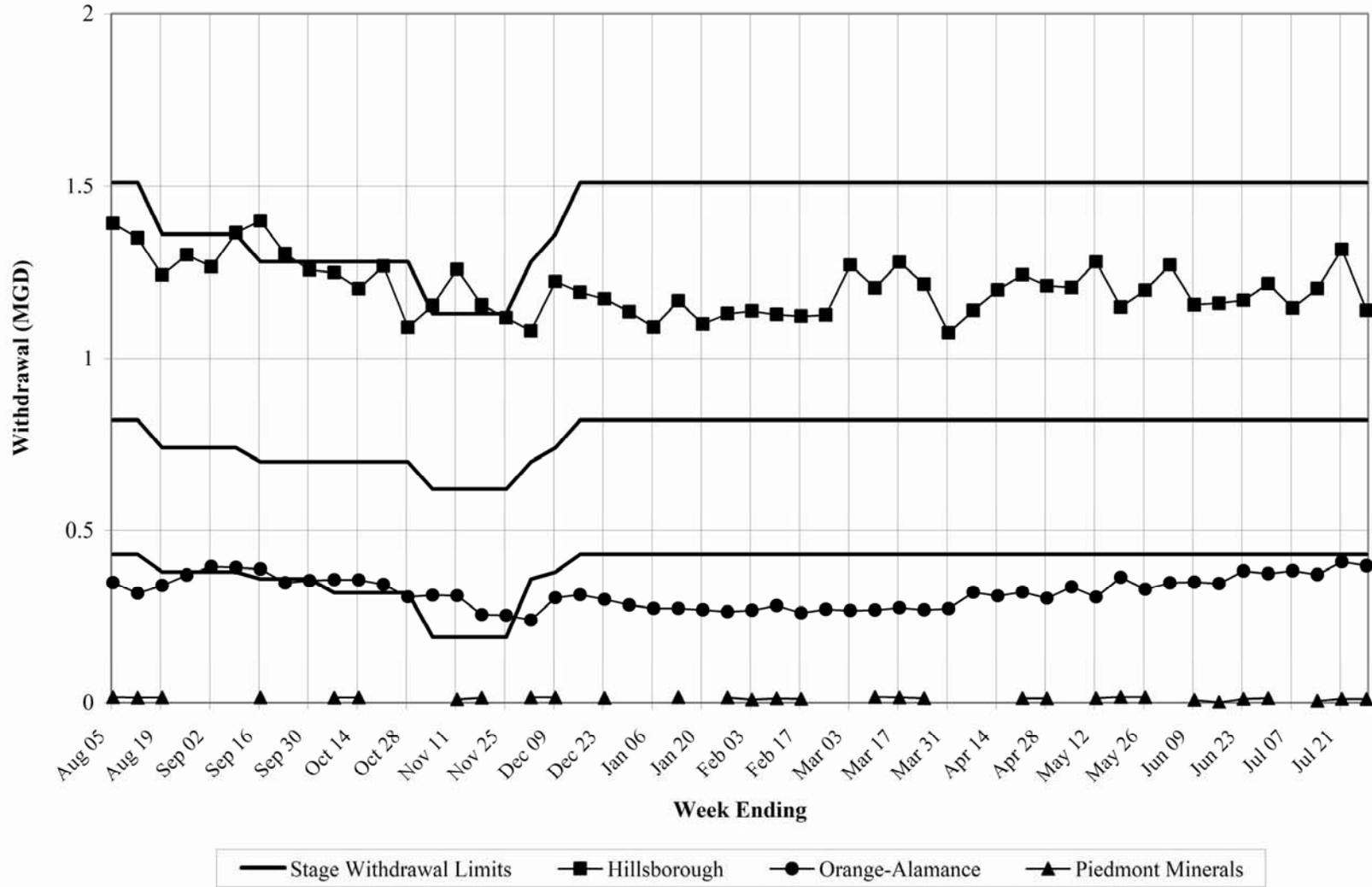
Water Use & Stream Flow Report:

Linwood Peele provided and discussed several graphs and tables.

- **Graph 1:** Eno River Average Weekly Withdrawals;
August 2005 – July 2006 with level of restrictions
- **Graph 2:** Eno River @ Hillsborough Gage #02085000;
Flow vs. Date (flow less than 10 cfs for August 2005 – July 2006)
- **Graph 3:** Eno River @ Hillsborough Gage #02085000;
Flow vs. Date (August 2005 – July 2006)
- **Table 1:** Summary for 2006 Stages of Restriction. (August 2005 – July 2006)
Provided number of weeks at each level of restrictions.
Provided average and total use for the Eno River Users.

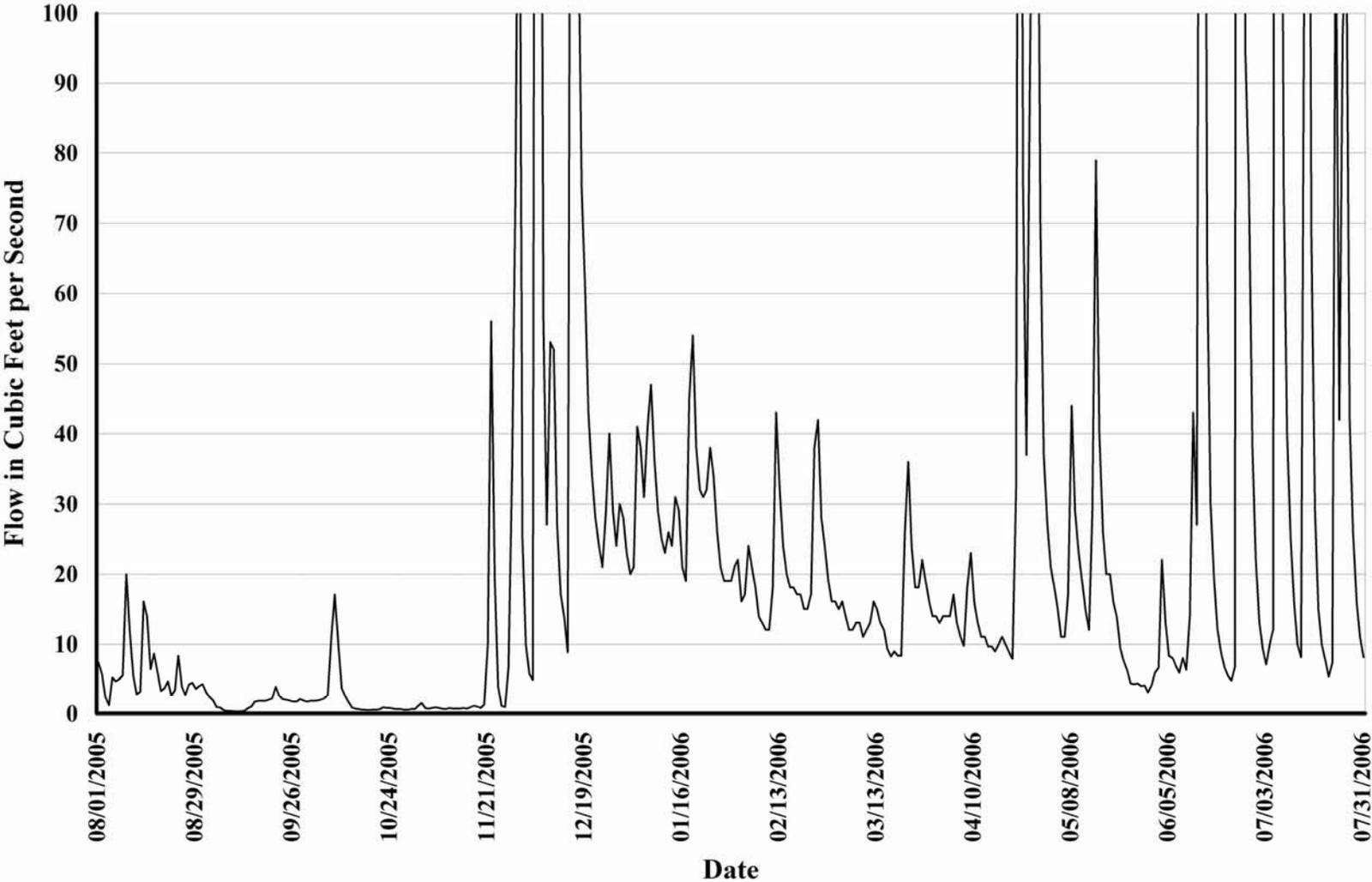
ENO RIVER AVERAGE WEEKLY WITHDRAWALS

August 2005 - July 2006



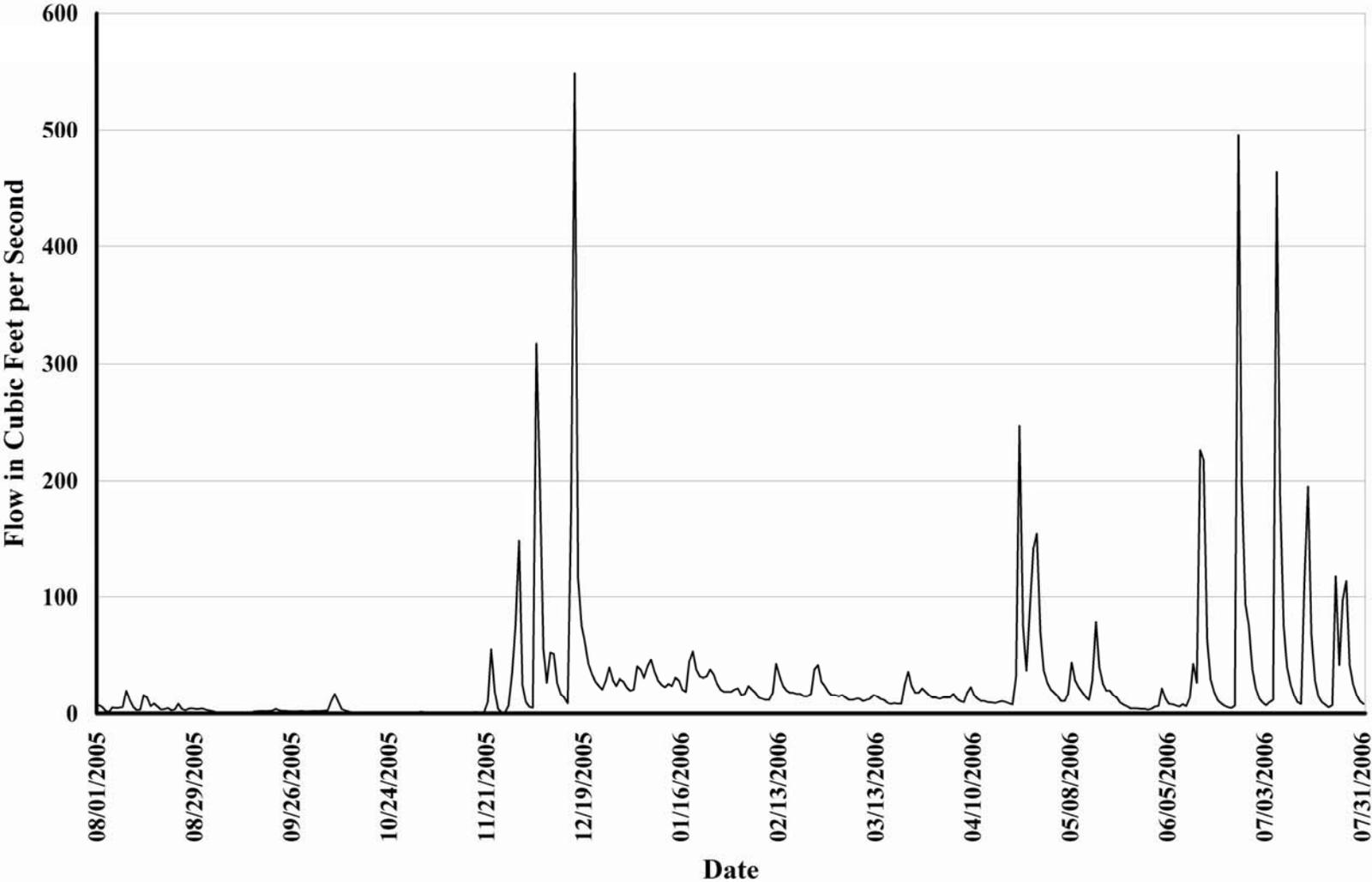
ENO RIVER @ HILLSBOROUGH, #02085000

August 2005 - July 2006



ENO RIVER @ HILLSBOROUGH, #02085000

August 2005 - July 2006



Summary for 2006 Annual Meeting
(covering Summer 2005 through Summer 2006)

Month	Restrictions	Dates
August 2005	Stage 1 Stage 2	August 1 - 15 August 16 - 31
September 2005	Stage 2 Stage 3	September 1 - 15 September 16 - 30
October 2005	Stage 3 Stage 4 Stage 5	October 1 - 2 October 3 - 30 October 31
November 2005	Stage 5 Stage 4	November 1 - 27 November 28 - 30
December 2005	Stage 3 Stage 2	December 1 - 7 December 8 - 10
January 2006	NONE	*
February 2006	NONE	*
March 2006	NONE	*
April 2006	NONE	*
May 2006	Stage 1	May 28 - 31
June 2006	Stage 1	June 1 - 19
July 2006	NONE	*

August - December 2005

Weeks of Restrictions:

STAGE 1: 2 weeks, 1 day
STAGE 2: 4 weeks, 6 days
STAGE 3: 3 weeks, 3 days
STAGE 4: 4 weeks, 3 days
STAGE 5: 4 weeks

January - July 2006

Weeks of Restrictions:

STAGE 1: 3 weeks, 2 days

Hillsborough:

Avg. Eno use: 1.233 mgd
 Total use: 1.233 mgd

Avg. Eno use: 1.182 mgd
 Total use: 1.182 mgd

Orange-Alamance:

Avg. Eno use: 0.327 mgd
 Total use: 0.667 mgd

Avg. Eno use: 0.318 mgd
 Total use: 0.630 mgd

Piedmont Minerals:

Avg. Eno use: 0.004 mgd
 (when operating: 0.015 mgd)

Avg. Eno use: 0.002 mgd
 (when operating: 0.013 mgd)

* Note: Streamflows exceeded 10 cfs for this entire period.

Status of Water Users:

Hillsborough

- Kenny Keel provided the status of Hillsborough's West Fork Eno Reservoir (WFER);
- 97.8% of total storage (6-7 inches below full),
- Use ~ 1.25 to 1.30 mgd last month from Eno,
- Currently release ~ 1.5 cfs, which is more than required from WFER,
- Monitoring releases for flood prevention downstream.

Orange-Alamance

- Currently, system in the best shape ever,
- System serves rural Orange and Alamance counties,
- Use ~ 0.300 to 0.350 mgd from Eno,
- Purchase ~ 0.300 mgd from Town of Haw River (can purchase up to 0.800 mgd),
- Use 3 wells for ~ 0.150 mgd and 2 wells for 0.200 mgd.

Piedmont Minerals

- Use ~ 15,000 gallons/day from Eno,
- Current use only a fraction of past usage.

Orange County

- Lake Orange currently at 85% of storage.

Eno River State Park

- Dave Cook plans to propose changes to in-stream flow at September capacity use meeting.

Follow-up Items:

Kenny Keel mentioned that Hillsborough is working with Durham on the feasibility of connecting into their system. Joining with Durham would discontinue Hillsborough's water withdrawals from and wastewater discharges to the Eno River. Anticipated completion of the draft report is September. Issues for further discussion:

- What would be the effect on the river?
- No model available to predict effect at this time, though model could be tweaked when completed.
- Merger would need to go through the DENR/state clearinghouse process.
- Hillsborough could obtain Clean Water Management Trust Fund money by eliminating the wastewater discharge.

Eno River Association

- The Eno River Association is looking at money from the City of Raleigh for water quality land protection in Upper Neuse River Basin (upstream of Falls Lake)
- Doing water quality modeling
- Plans for water quality monitoring for macro invertebrates with schools.

Division of Parks & Recreation

- Pleasant Green Dam Removal Update;
 - Water is flowing freely through the gates
 - Complete removal has not been accomplished at this time.
- Hydrilla is still a major issue;
 - Increases with decreased water levels/flows,
 - Brian Strong plans to consult aquatic weed council.

Meeting Adjourn.