

**Rain Gardens for Research and  
Education at the University of  
Maryland**

# Overhead View of the Site



Cell A

Cell B

2003.6.6

# Dedication Ceremony

April 14, 2003





*UMD Rain Garden Site, May 21, 2003*

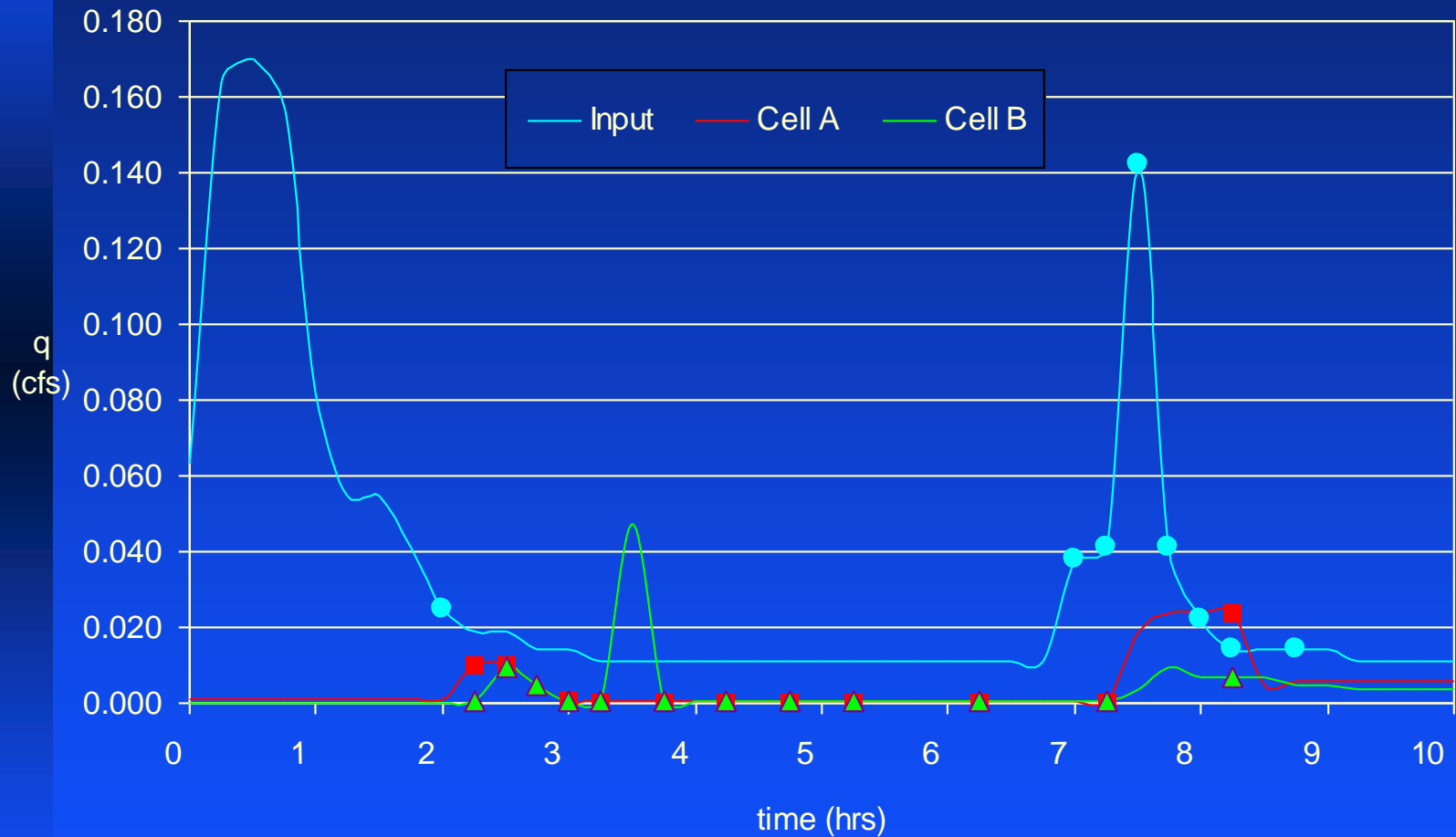
*Cell A*



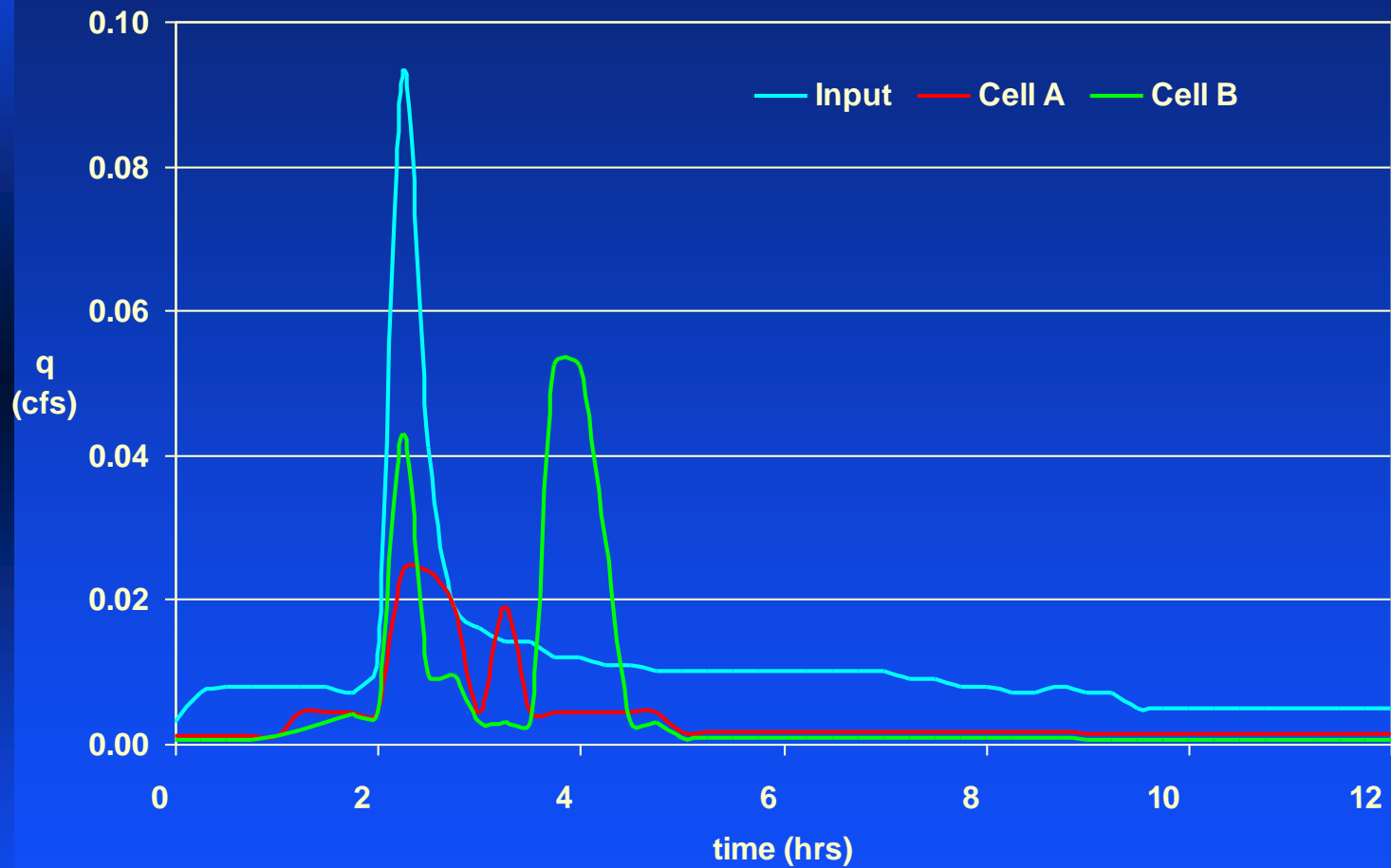
*Cell B*



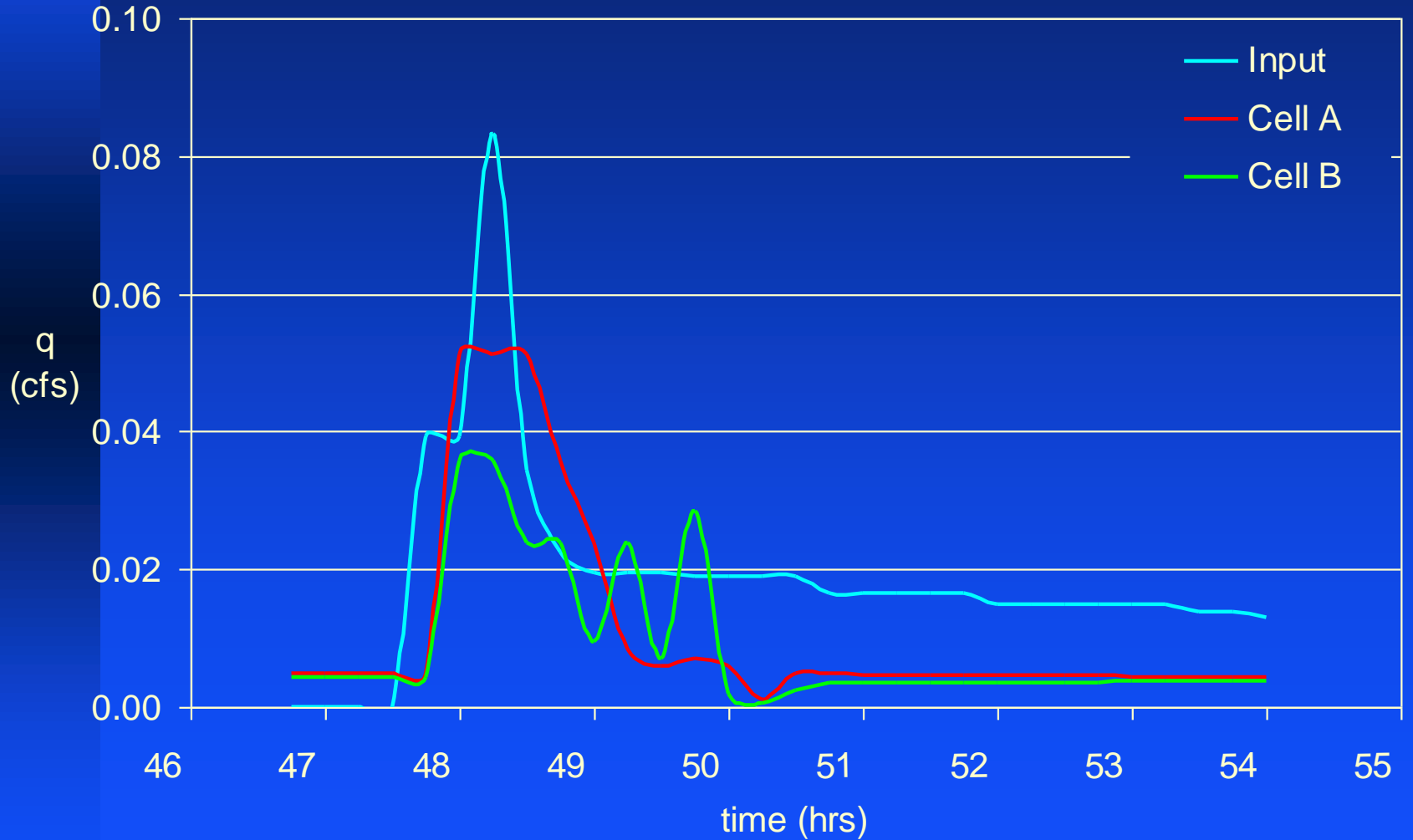
# UMD Bioretention Hydrograph, July 28-29, 2003



# Hydrograph, August 1, 2003, UMD

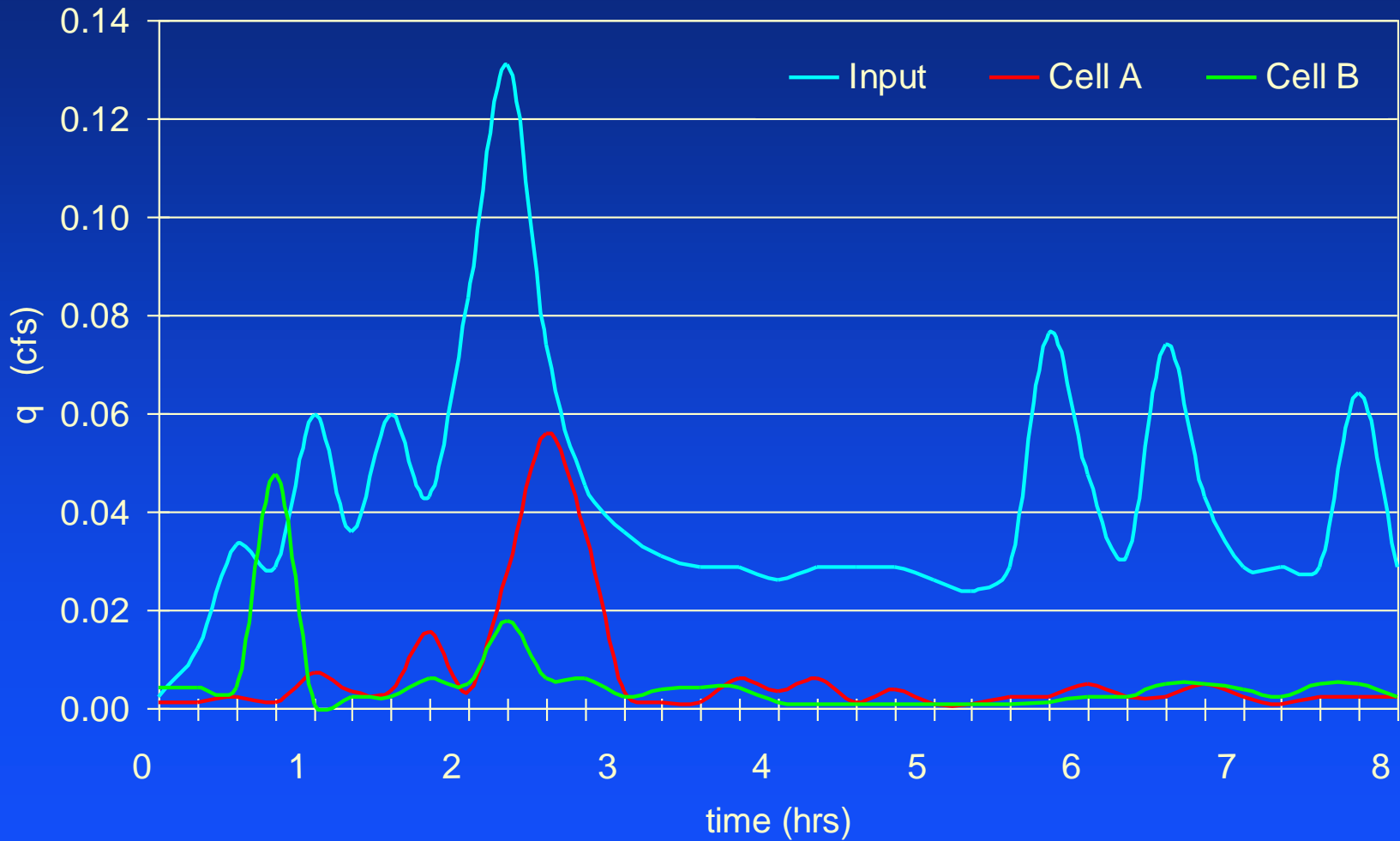


# Hydrograph, Sept 18, 2003 (Isabel), UMD

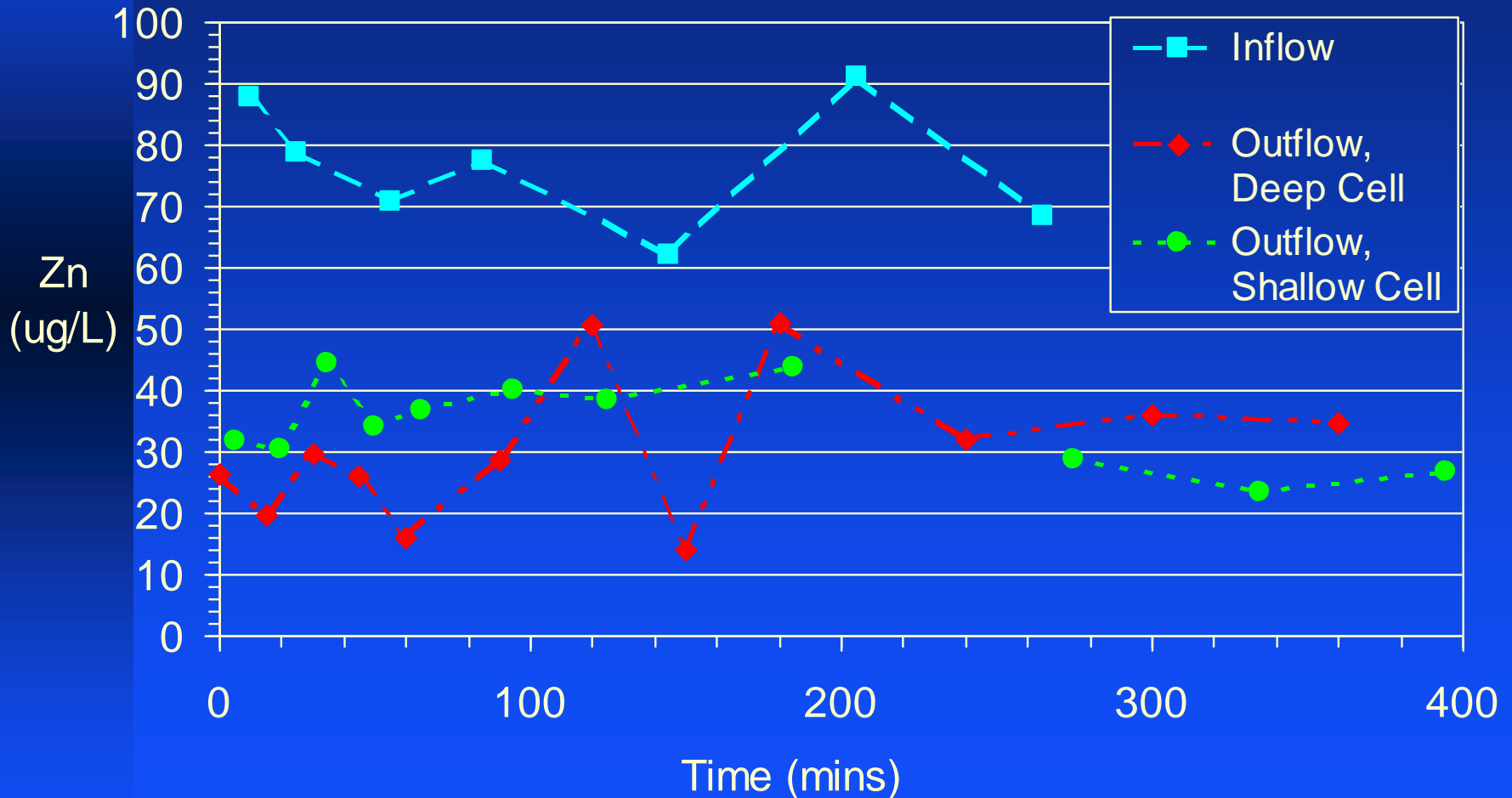




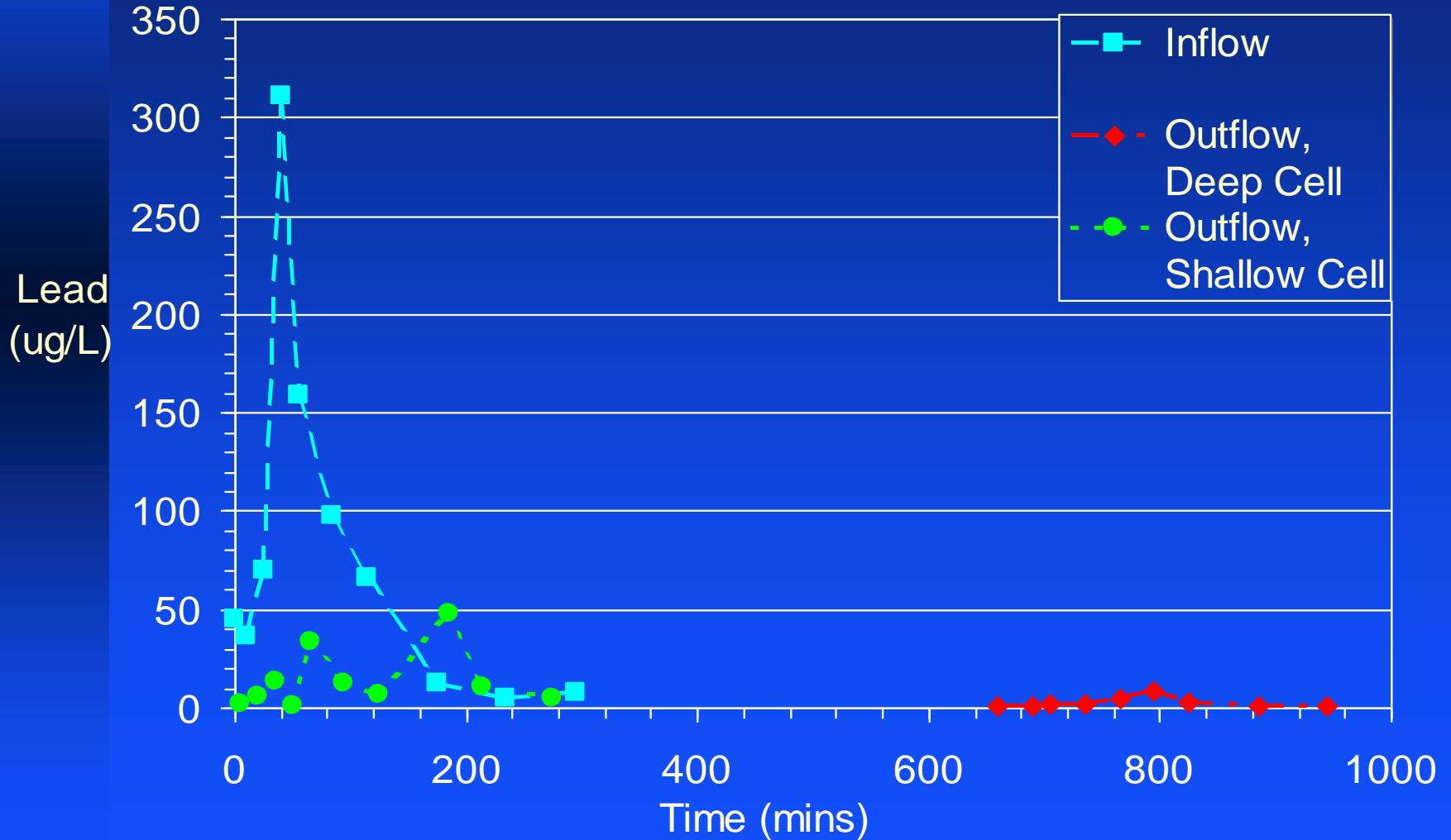
# Hydrograph, Sept 22-23, 2003, UMD



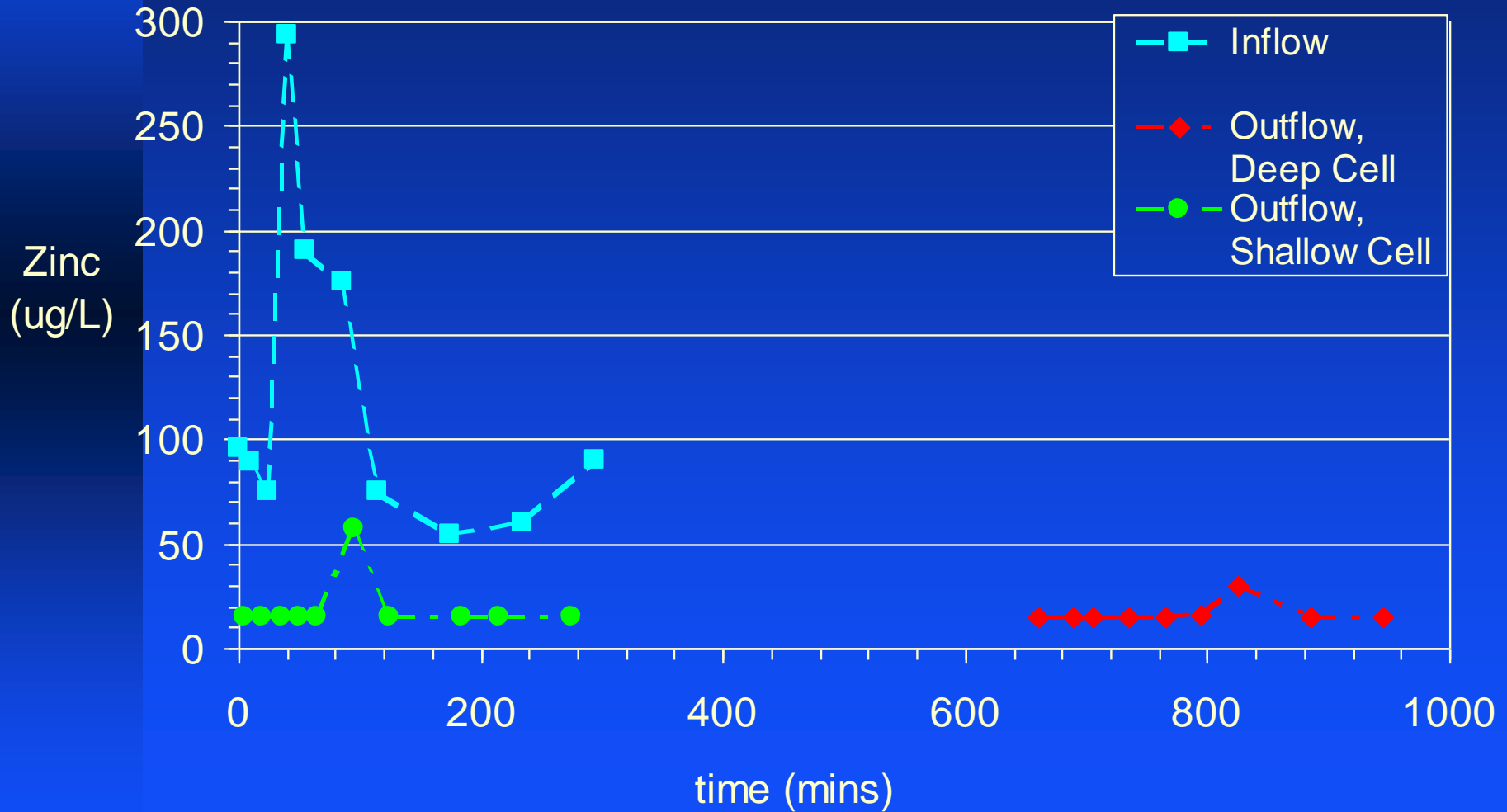
# Total Zinc, September 12, 2003



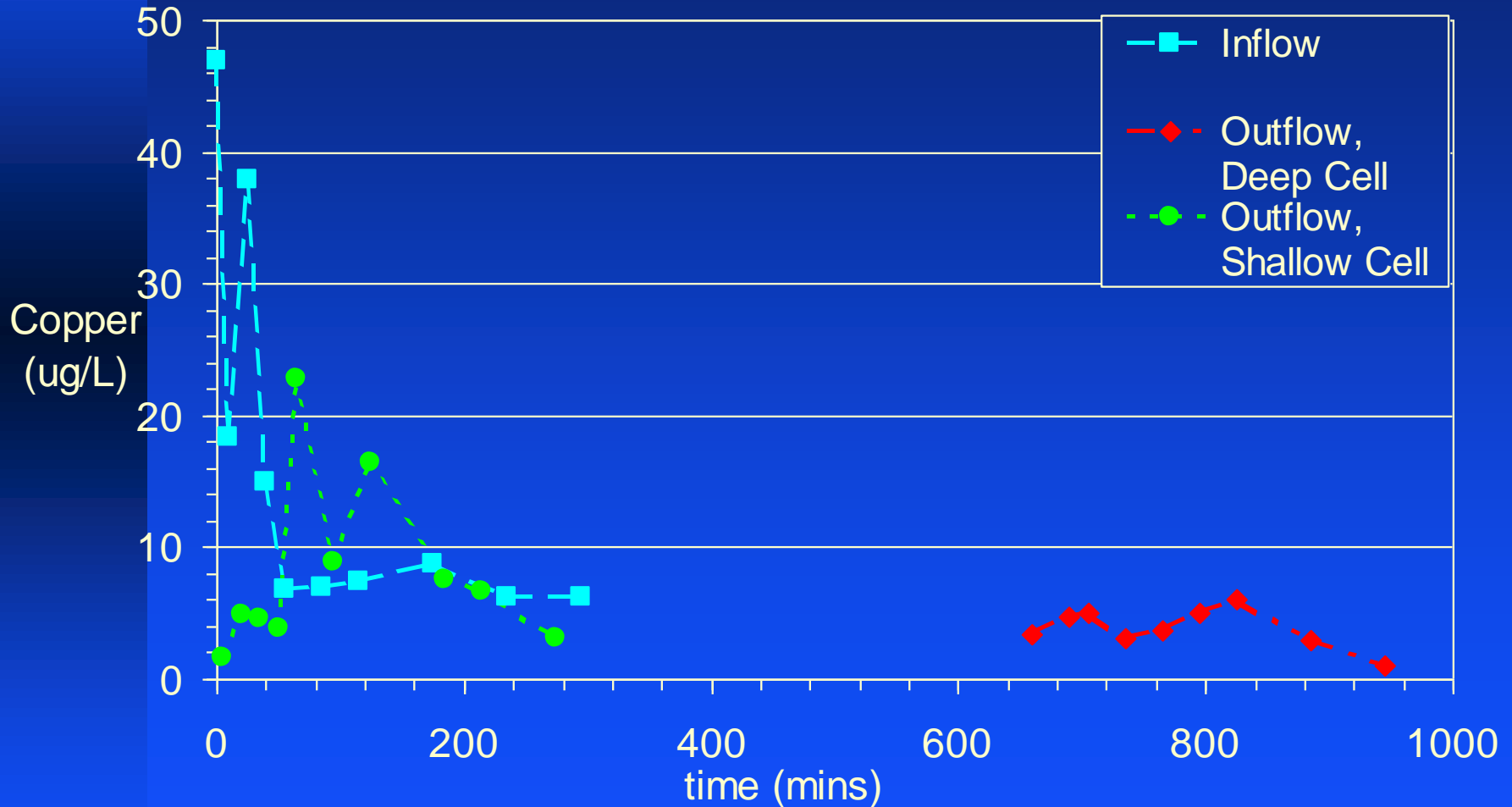
# Total Lead, November 28, 2003



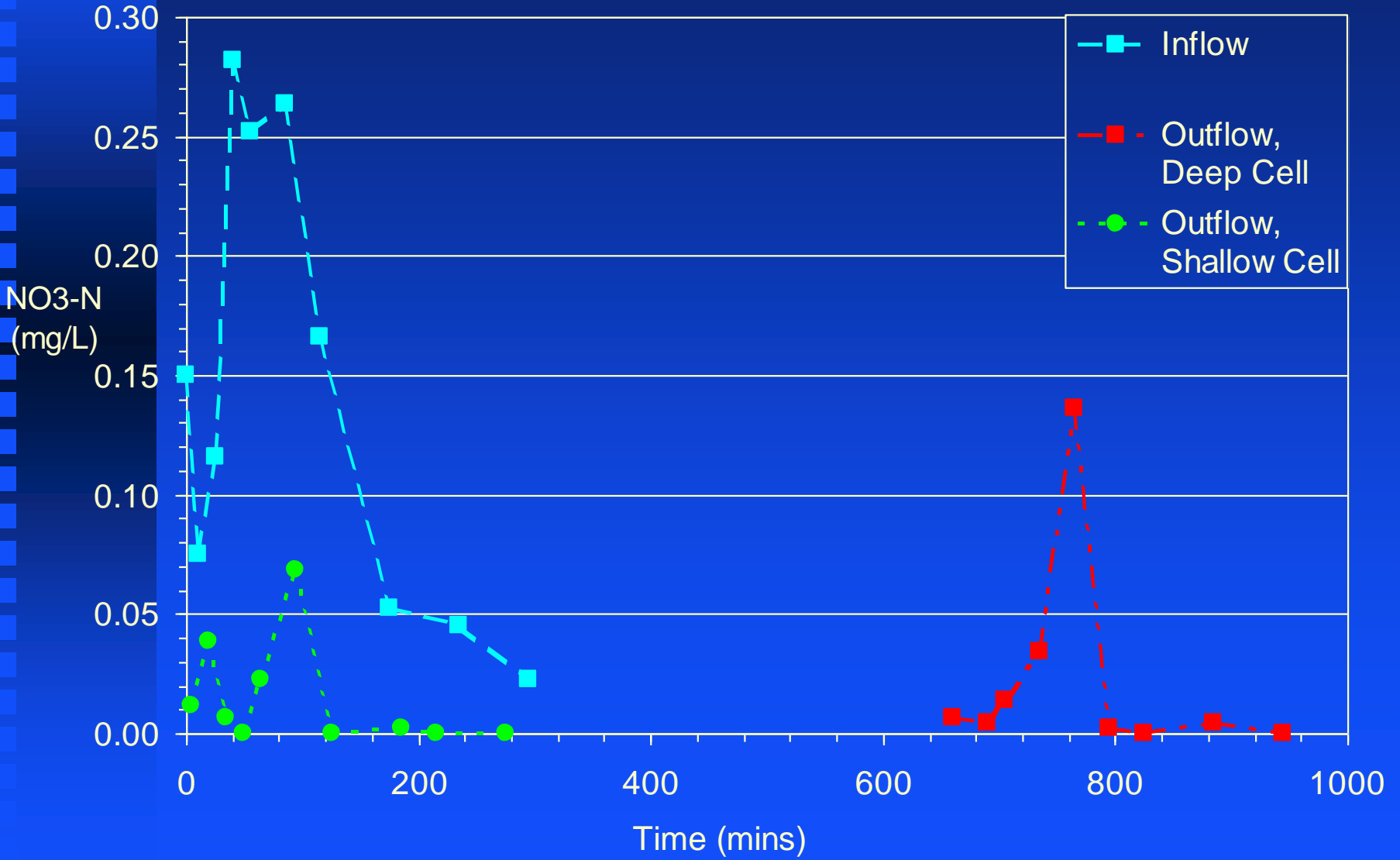
# Total Zinc, November 28, 2003



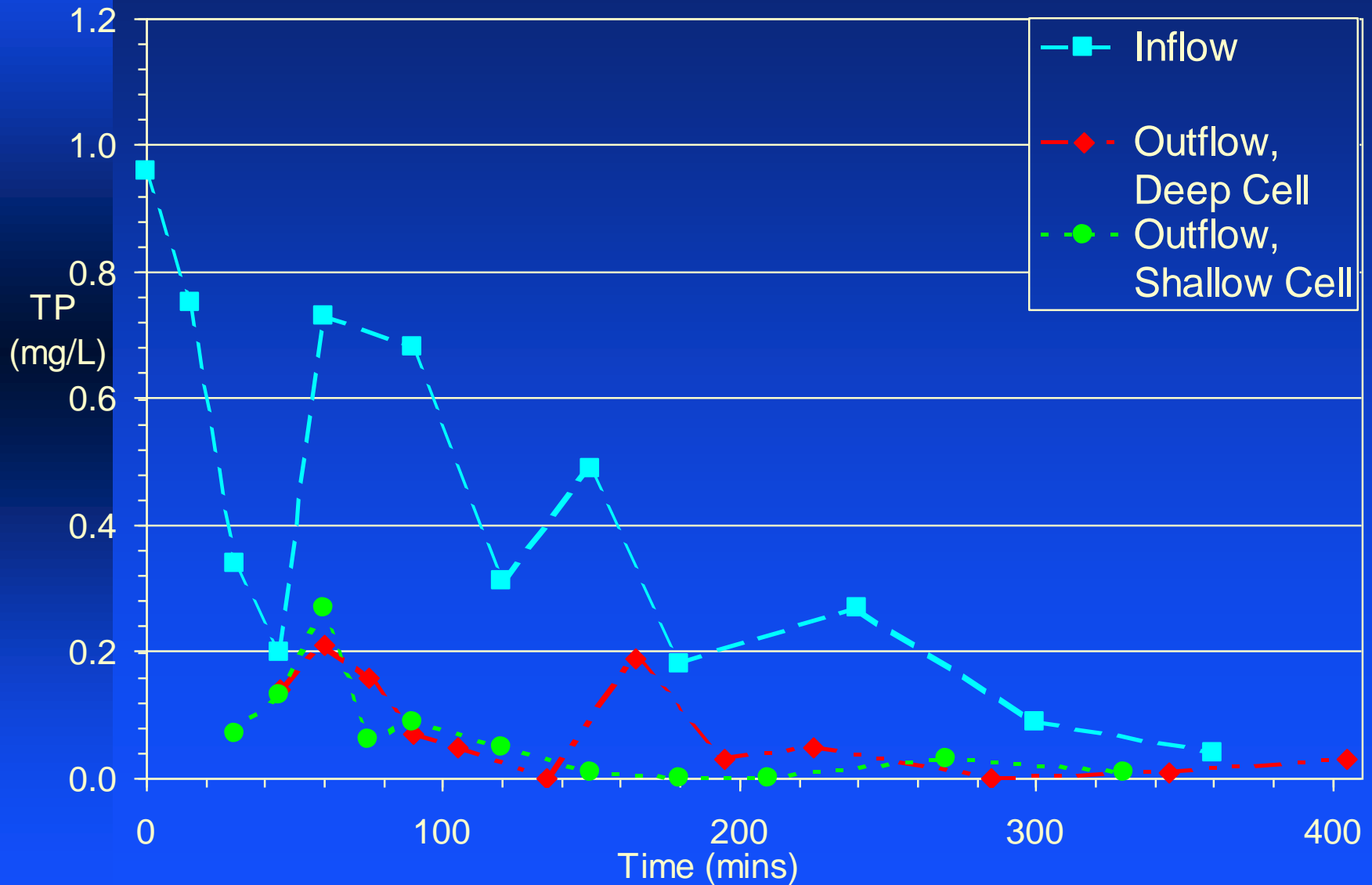
# Total Copper, November 28, 2003



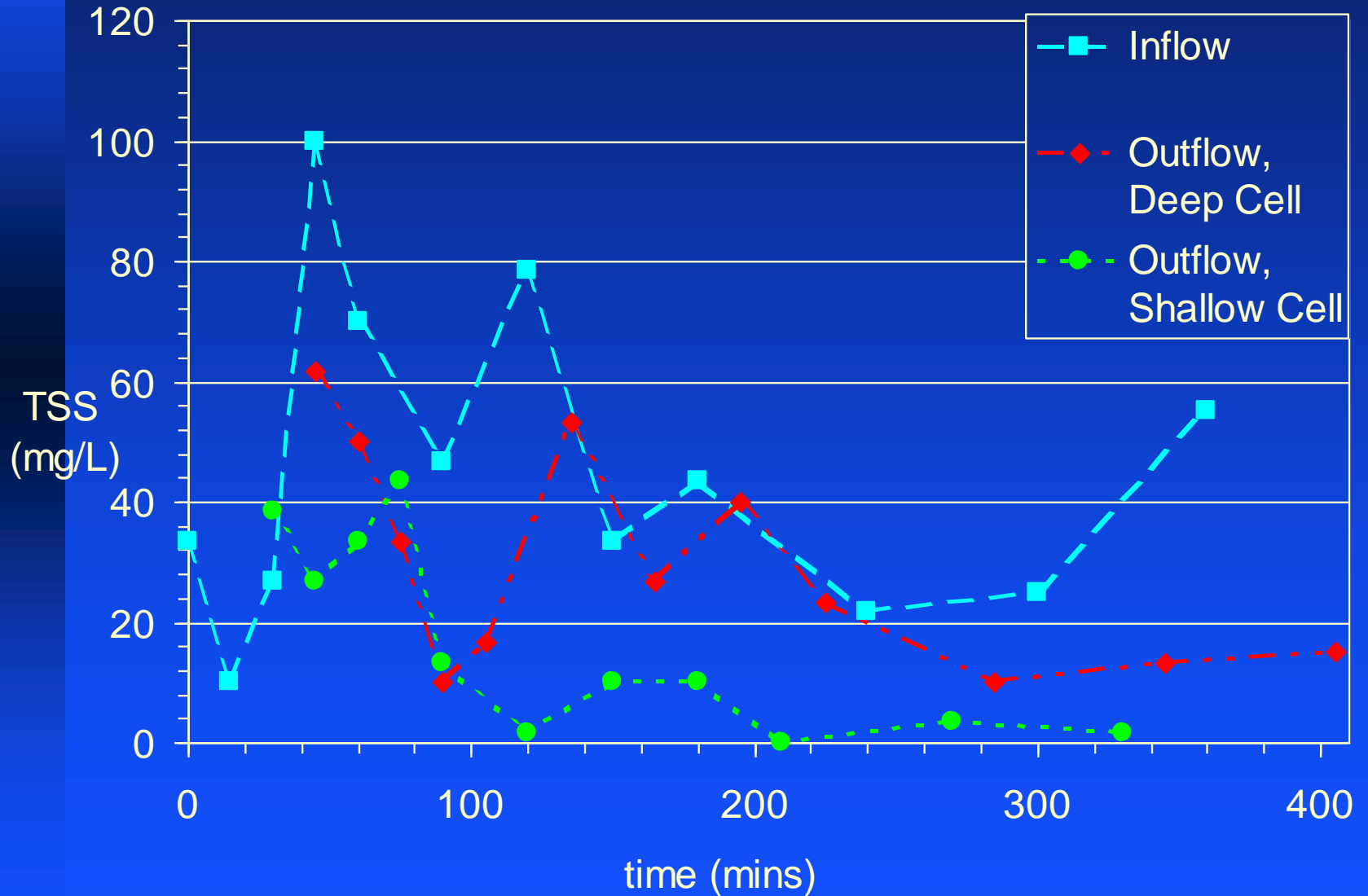
# Nitrate, November 28, 2003



# Total Phosphorus, December 24, 2003



# TSS, December 24, 2003





# Summary Comments

- 💧 **Because of water flow delay through rain gardens, water quality data can be difficult to interpret**
- 💧 **Small flows will continue to exit rain gardens for several days after rain event ends**
- 💧 **TSS will be washed out of rain gardens for several months**
- 💧 **The final, ultimate fate of pollutants should be considered in long term studies**