



Chatfield Watershed Authority

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MEMORANDUM

To: Chatfield Watershed Authority Board
From: Julie Vlier, Manager
Subject: Monitoring Program Update
Date: March 17, 2008

Monitoring Program

The 2008 monitoring program has been modified to include constituents and sampling frequency as summarized in Table 1. Due to the Authority’s budget limitations, metals and zooplankton samples are discontinued from the program. Continued use of the existing QAPP, SOP, and SAP procedures are requested for the constituents listed below unless notified otherwise. The following notes apply to the 2008 Monitoring Program as follows:

- Chlorophyll a and Total Phosphorus samples are collected twice a month during the growing season (July, August, and September).
- Phytoplankton sampling is conducted 3 times/year; samples are collected monthly during the growing season (July, August and September).
- Ammonia nitrogen, nitrite + nitrate-nitrogen samples are collected monthly from tributaries only, not reservoir.
- Total Nitrogen is sampled monthly from reservoir and six times/yr from the tributaries.

Table 1 - Summary of 2008 Monitoring Program

Constituent	Frequency		
	Monthly	Quarterly	Annually
Temperature, Degrees C	X		
Field pH (s.u.)	X		
Specific Conductance (uS/cm)	X		
Dissolved Oxygen, mg/L	X		
Total Suspended Solids, mg/L	X		
Total Phosphorus, mg/L	X		
Ortho Phosphorus, mg/L	X		
Nitrite + Nitrate-nitrogen, mg/L	X		
Ammonia Nitrogen, mg/L	X		
Total Nitrogen, mg/L	X		
Instantaneous Flow (Rivers & Streams), cfs	X		
Chlorophyll a (Reservoir), ug/L	X		
Secchi Depth (Reservoir), meters	X		
Phytoplankton Biomass & Species (Reservoir)	X(GS)		
Alkalinity,mg/L	X		