

Apopka Update  
for September 2010 Governing Board

**Lake Apopka Marsh Flow-Way Project:**

Average flows through the system were 114 cfs over the past month. Since late April, the performance of C2 for total phosphorus removal was poor; however, this is not unusual during summer months. Most of this release was in soluble phosphorus forms, while particulate phosphorus was retained. Staff reviewed recent C2 performance data and the project team decided to use alum injection to mitigate the release of soluble phosphorus forms in the short-term (4-6 weeks). Alum treatment started 7/29/2010. Data from July show that the operating cells retained 6,538 kg of TSS/day, 60 kg of TN/day and 2.8 kg of TP/day. The most recent total phosphorus concentrations in the lake averaged 69 ppb.

**Lake Apopka North Shore Restoration:**

Work in Unit 1 began in February and will be complete by September 30. Completed work consists primarily of levee construction and installation of new structures. A change-order was issued in August to add fill material for the levee construction. Staff continues preparation of the Biological Assessment for U.S. Fish & Wildlife Service concurrence for re-flooding on Phases 6 & 7 this fall. Testing of fish tissue from Phase 2 indicates low levels of pesticides. This is important because if this holds for the necessary time period, it confirms that the soil inversion was successful in that area. These Phase 2 data become part of the next biological assessment to flood additional acres in Phases 6 & 7.