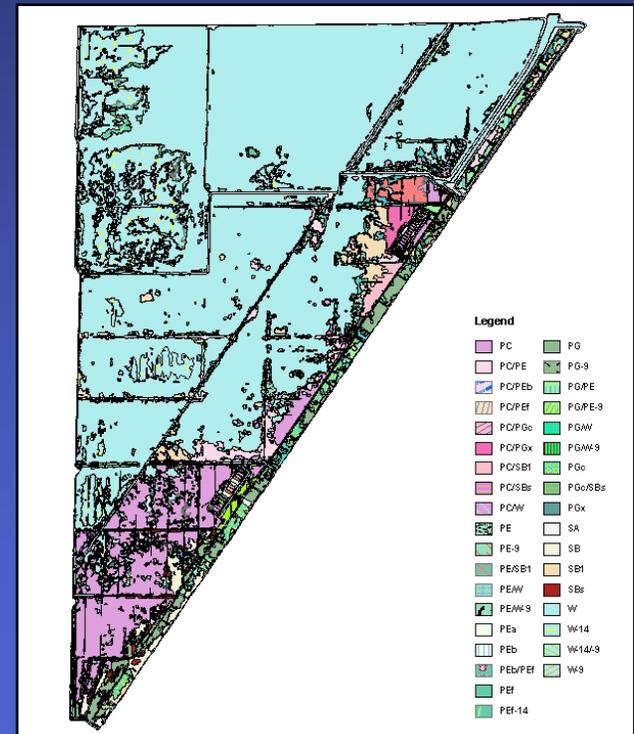


STA Update

Prepared for
TOC Meeting
May 23, 2006

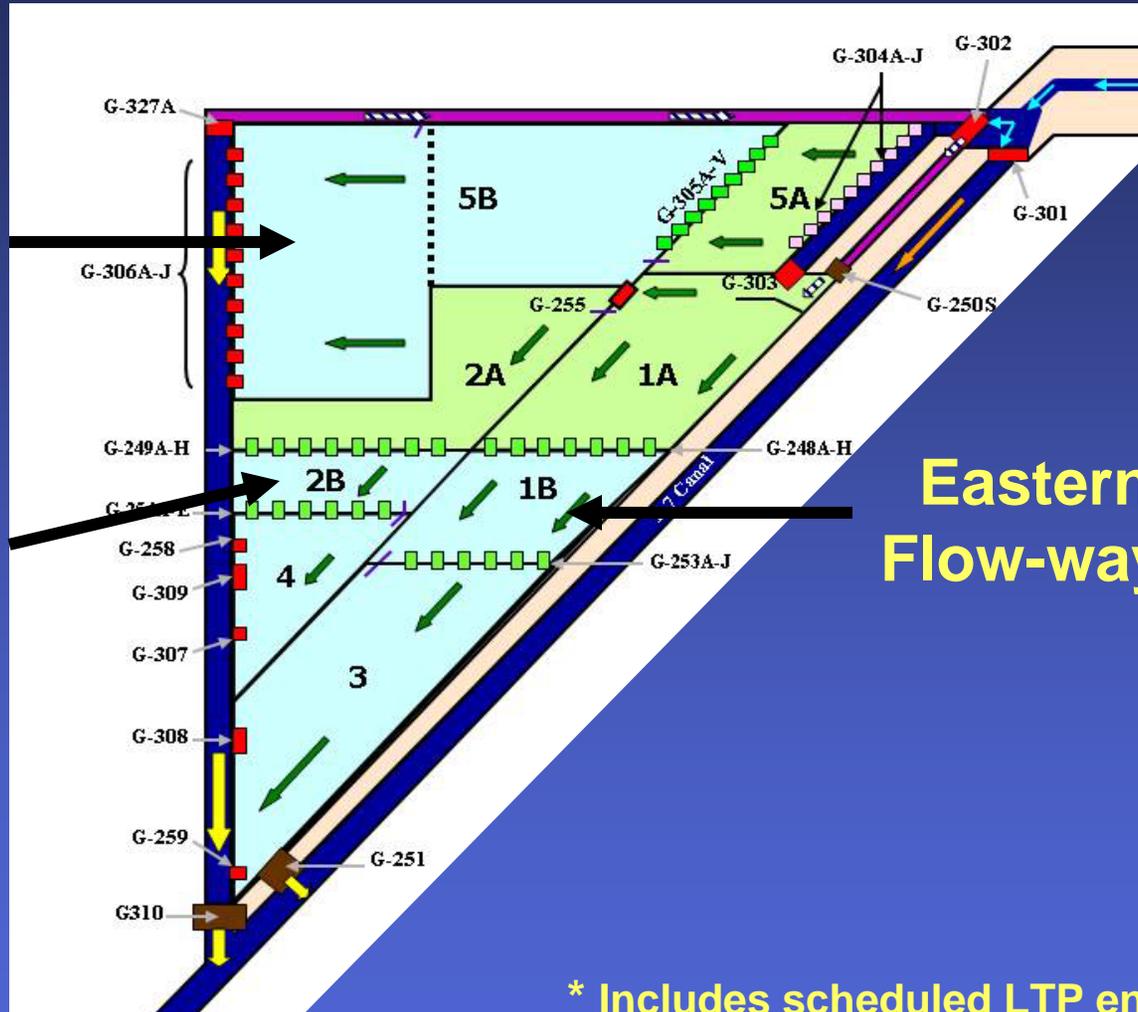


STA-1W

Northern
Flow-way

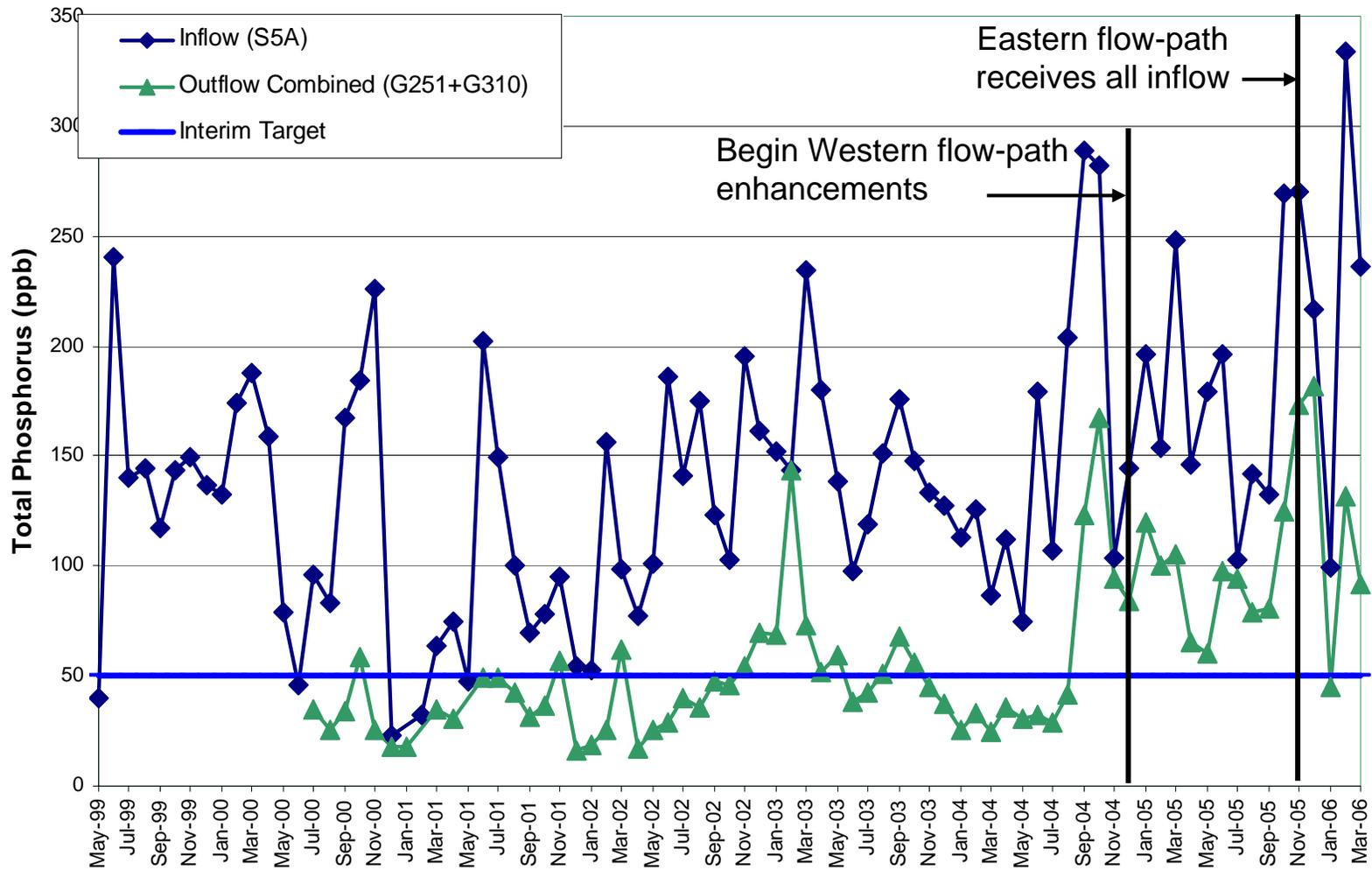
Western
Flow-way

Eastern
Flow-way*



* Includes scheduled LTP enhancements

STA-1W Total Monthly Flow-weighted Means
Preliminary Data



Western Flow-way (Cells 2A, 2B, and 4)

- Off-line for scheduled LTP enhancements
 - G249 levee completed by summer 2005
 - G255 construction complete; automation by June 2006
- Emergent vegetation growth in cell 2A proceeding as expected
- SAV growth in Cells 2B and 4 not proceeding as expected
 - Marco-algae chara (early pioneer SAV) present in 2005
 - Inoculated corrals with SAV (cells 2B and 4)
 - Soil sample sent for herbicide analysis; results not yet available
 - Previous seed bank study showed viable seeds present; second set of studies currently being conducted
 - SAV inoculation slated for June/July 2006

SAV Corrals



March 2006



March 2006



April 2006

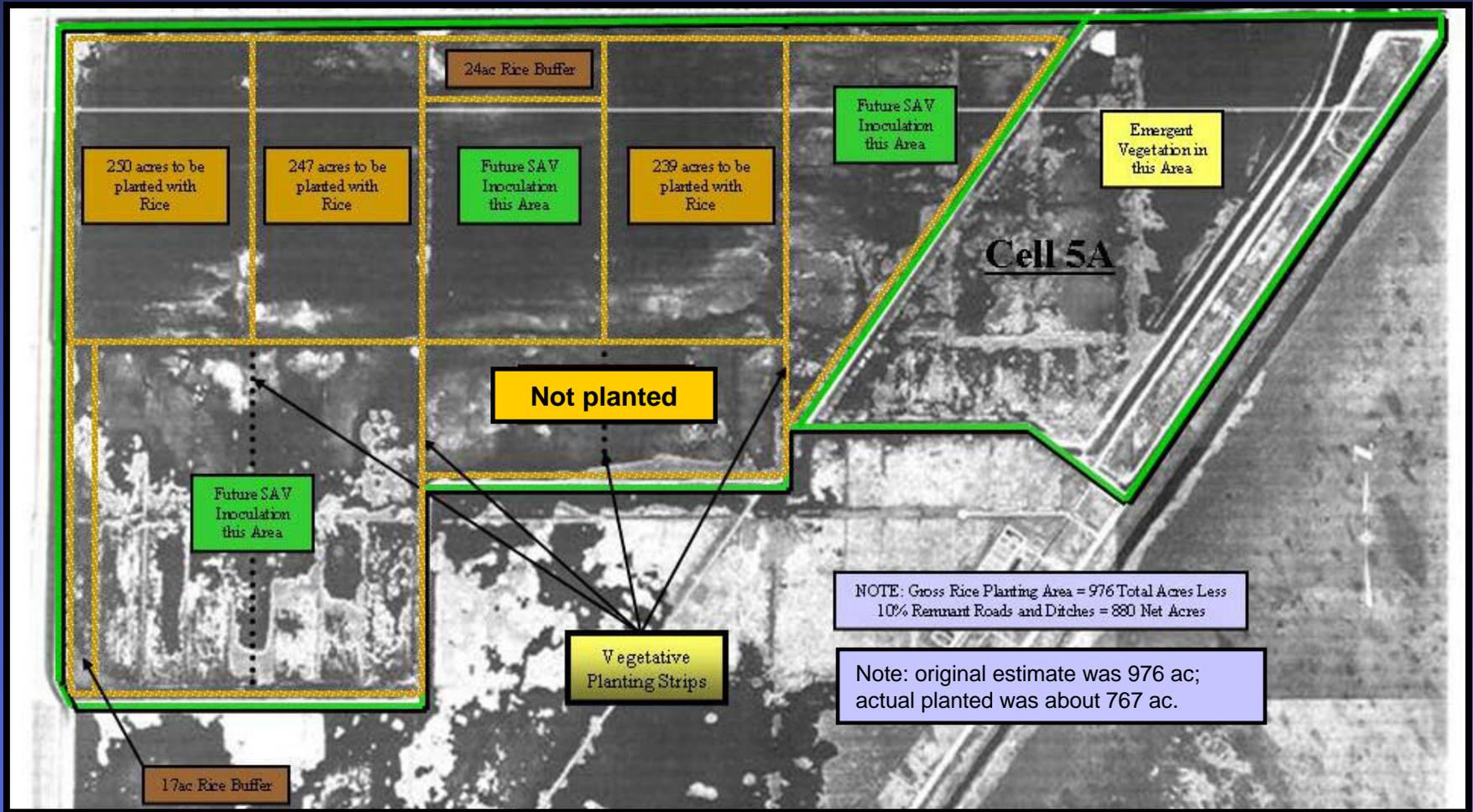


May 2006

Northern Flow-way **(Cells 5A and 5B)**

- **Off-line for major recovery effort (12/2005)**
- **Complete draw-down to consolidate peat**
 - **Planted rice to provide organic matter for soil rehabilitation**
 - **Rice currently about 3-5 inches tall**
- **Dewatering pumps turned off to begin flooding cell with seepage water**
 - **Plant growth through summer**
 - **SAV inoculation considered**

Rice Planting Schematic



Rice Planting



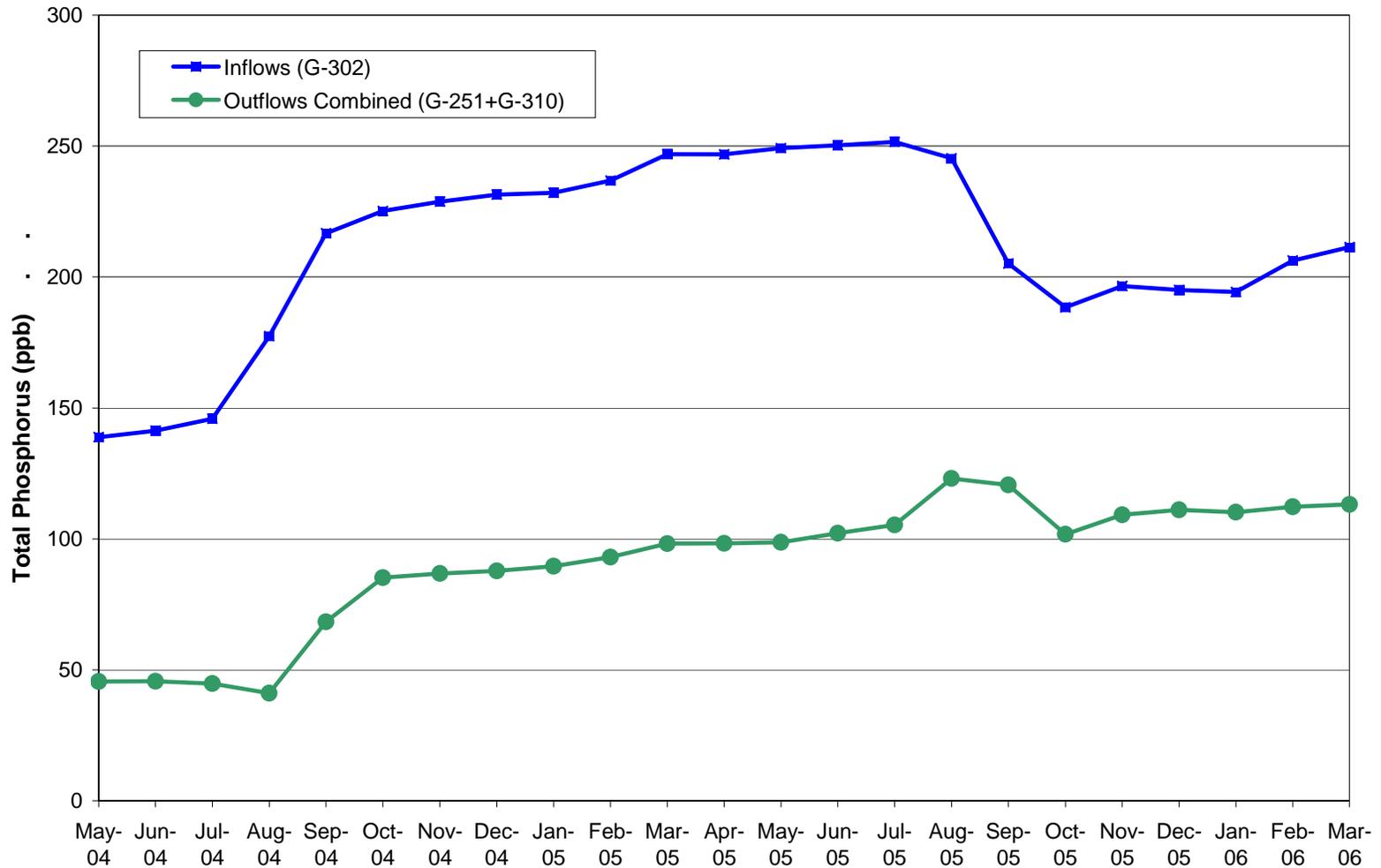
- **Northern flow-way, continued**
 - **Stratified Random Block Design**
 - **Assess success of SAV growth in areas with and without rice**
 - **Assess success of sediment consolidation in areas with and without rice**
 - **Four emergent vegetation strips perpendicular to flow to provide wind/wave protection**
 - **Planting scheduled to begin 7/10/06**

- **Northern flow-way, continued**
 - **Assessed cell topography**
 - **Removal of ridge/berm in front of G306 outflow structures completed**
 - **Removing high area in front of some of the G304 structures**
 - **Clean out the G305 structures proposed for summer of 2007 (FY07)**
 - **Automation of G304 structures ongoing**

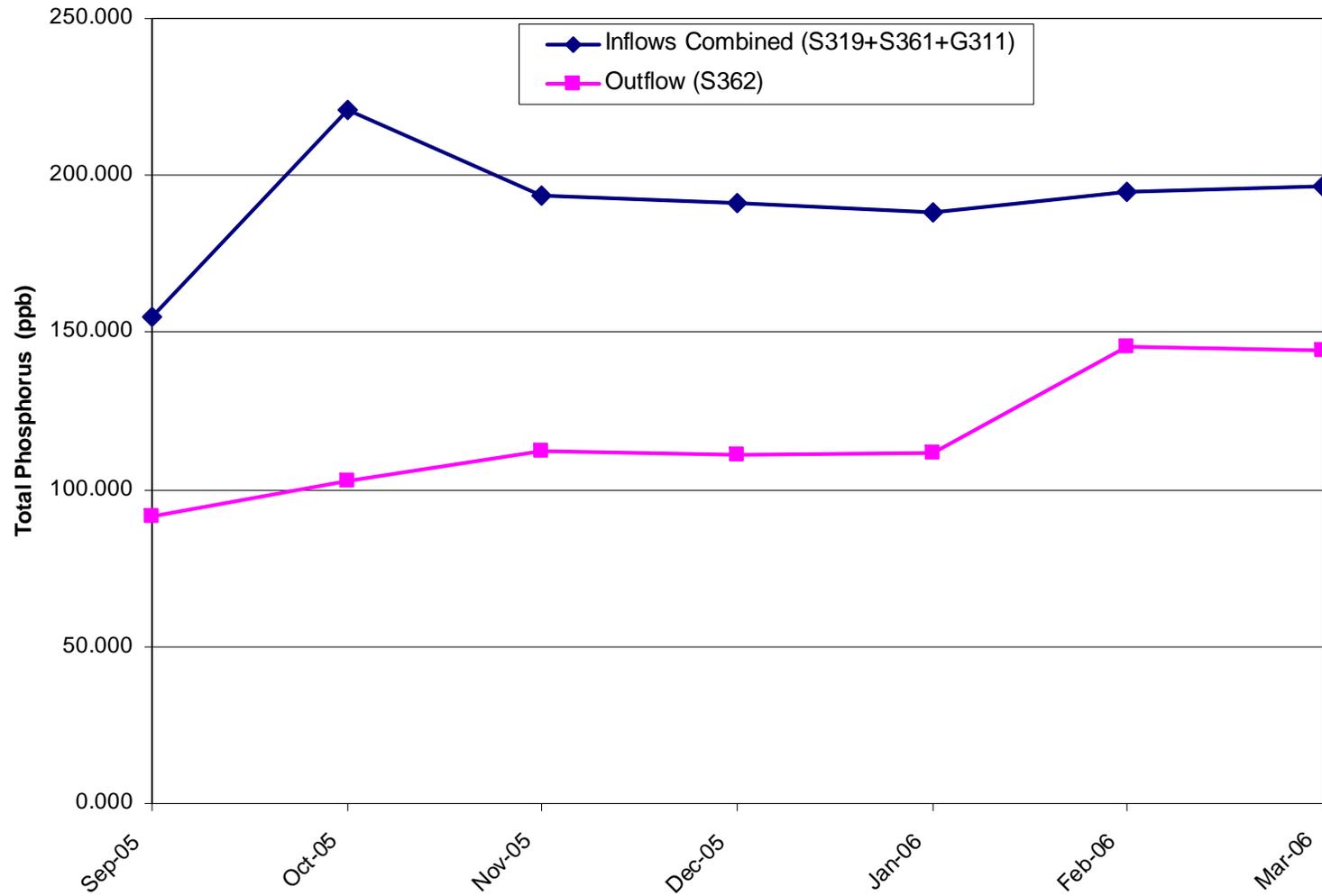
Eastern Flow-way (Cells 1 and 3)

- **Currently on-line**
- **LTP enhancements**
 - **Construction of G248 levee scheduled winter 2006**
 - **Construction completed in the wet**
 - **Inflow may be reduced, not halted**
 - **G253 culvert clean out will be included**

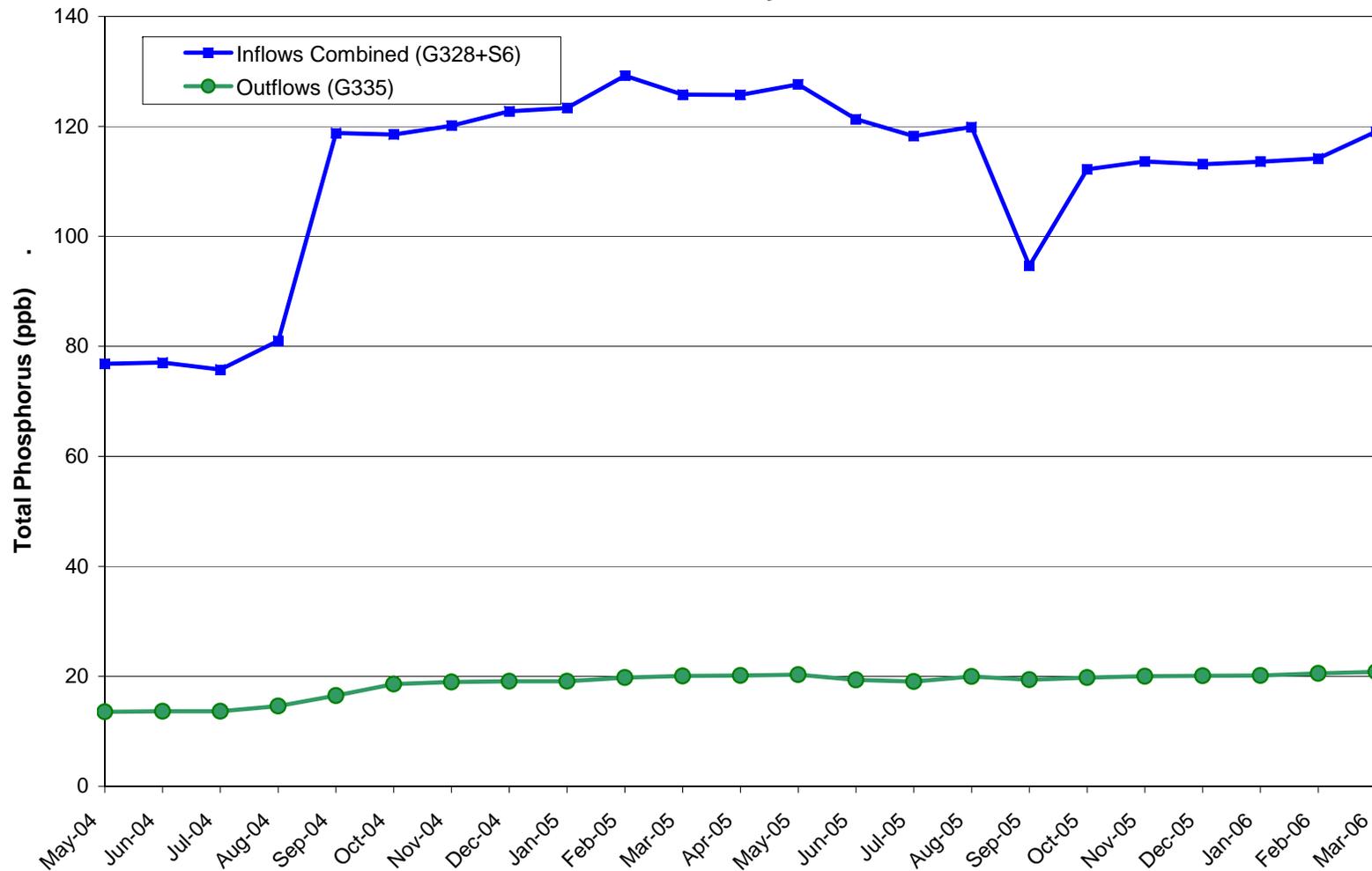
STA1W 12-Month Rolling Flow-Weighted Means
Preliminary Data



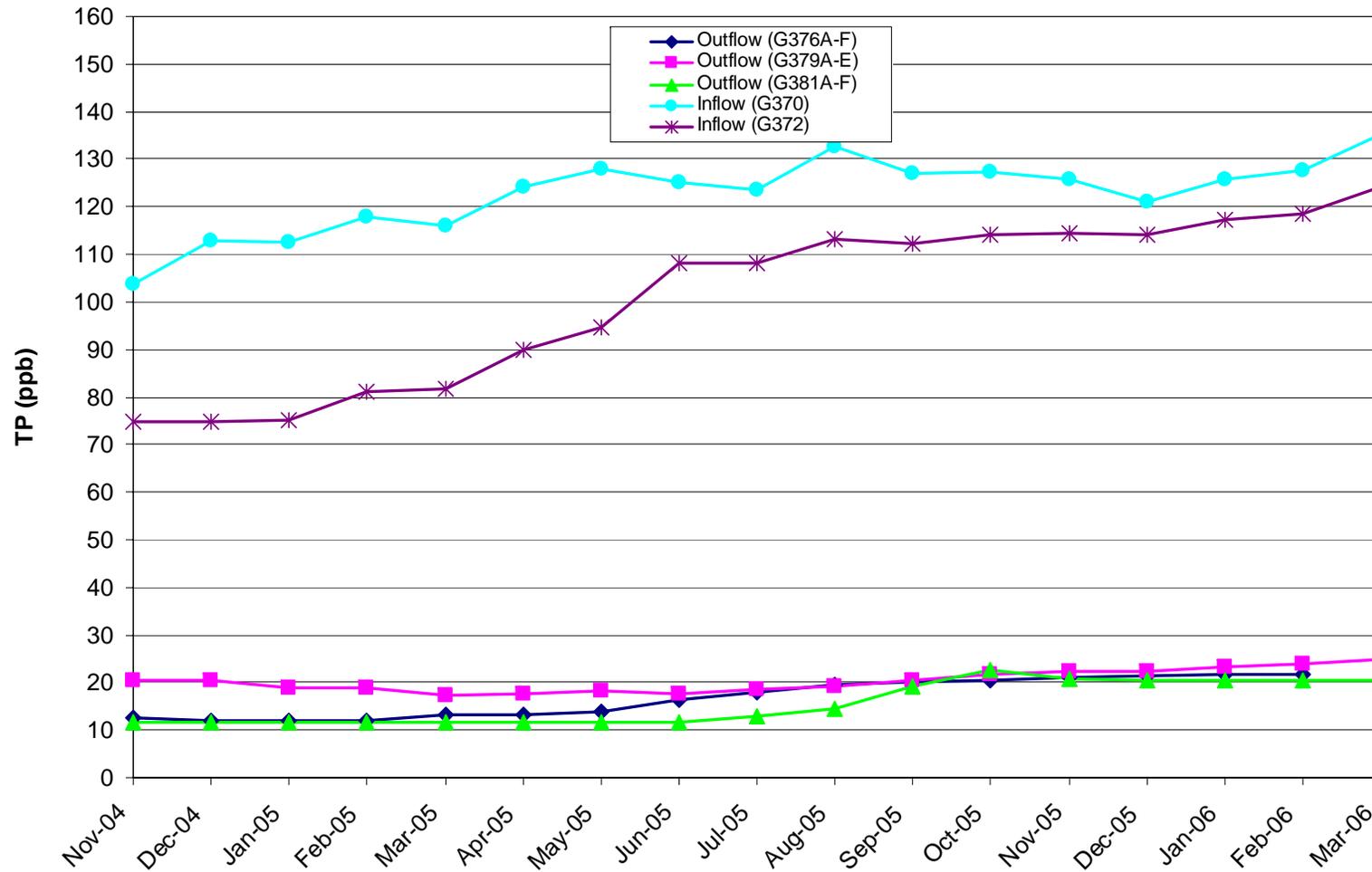
STA1E 12-Month Moving Flow-Weighted Means
Preliminary Data



STA2
12-Month Rolling Total Phosphorus Flow-Weighted Means
Preliminary Data



STA 3/4 12-Month Moving TP FWMs
Preliminary Data



STA5 12-Month Rolling Total Phosphorus Flow-Weighted Means
Preliminary Data



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

STA6 12-Month Rolling Flow-Weighted Means Preliminary Data

