STA-3/4 ENHANCEMENTS SCHEDULE

WCA 3A

<table>
<thead>
<tr>
<th>Year</th>
<th>2003</th>
<th>2004</th>
<th>2005</th>
<th>2006</th>
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<tbody>
<tr>
<td>G-373 Structure Construction</td>
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<tr>
<td>G-371 Structure Construction</td>
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<tr>
<td>CELL 3A &amp; 3B Enhancement</td>
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<tr>
<td>CELL 1B Enhancement</td>
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</table>

Note that flow-through commencement is subject to demonstration of net improvement.
Phase 1: December 2003 to October 2005

Cells 1A & 1B: Flow-Thru

Cell 2: Off-line
- PSTA Demo Cell Scrape Down & East Divide Levee (Feb 2004 to May 2004)
- PSTA Levees and Inflow Structures (Feb 2004 to Sept 2004)
- PSTA Outflow Structures (Mar 2004 to Nov 2004)

Note that flow-through commencement is subject to demonstration of net improvement

Cell 3: Flow-Thru

Effective Cell Area (ac)
- 1A 3,039
- 1B 3,488
- 2A 2,542
- 2B 2,894
- 3A 2,153
- 3B 2,427
Total 16,543 ac
Phase 2: December 2004 to October 2006

**December 2004 to March 2005**

- **Cells 1A & 1B:** Flow-Thru until Cells 2A and 2B are in flow-through mode (March 2005 / Oct 2005)
- **Vegetation management (March 2005 to May 2005)**

  **Note that flow-through commencement is subject to demonstration of net improvement**

**March 2005 to October 2006**

- **Cells 2A, 2B & PSTA:** Begin Flow-Thru (March 2005 / Oct 2005)
- **Cell 3:** Off-line (Dec 2004 to May 2005)
  - Construct 3.3 miles of interior levee & water control structures
  - Construct controls, power & telemetry (May 2005 to Nov 2005)
- **Cell 3B:**
  - Vegetation management (March 2005 to May 2005)
  - Reflood and SAV Grow-in (June 2005 to March 2006 / Oct 2006)

  **Note that flow-through commencement is subject to demonstration of net improvement**

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**Effective Cell Area (ac)**

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<td>3B</td>
<td>2,427</td>
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<td>Total</td>
<td>16,543 ac</td>
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</table>
STA 3/4 Enhancements Complete by December 2006

Cells 1A & 1B: Flow-Thru
Cell 2: Flow-Thru
Cell 3: Flow-Thru

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WCA 3A
STA-1 West

- STA-1W outflow phosphorus (12-month average) continues to increase - as of November 2003 it was 63.6 ppb. It is likely that the Water Year 2004 (WY2004) outflow value will exceed 50 ppb for the 2nd year in a row. We will continue to take steps to help the STA recover from the high loading of last year. Towards this end, the following STA-1W operations/vegetation management activities have been implemented in WY04.
  - No Lake Okeechobee releases have been made to STA-1W since February 2003 - despite the need to lower the level of the lake.
  - In addition, for the balance of the dry season, we intend to close down the western flow-way (Cells 2 and 4) to lower water levels to about 12 inches in an attempt to allow Cell 2 floating cattail tussocks (islands) to root, and to allow Cell 4 vegetation to recover as well. While this may or may not allow Cell 2’s tussocks to re-root, it should immobilize them so that SAV can re-grow in previously scoured areas.
  - Cell 5 (approximately 2,800 acres) is back on-line after construction of the limerock berm (March – August 2003).
  - Extensive vegetation management activities have been completed in Cell 2 consisting of chopping and removing floating cattail tussocks.
  - Extensive vegetation management activities have been completed in Cell 5 that effectively treated over 1,000 acres of undesirable floating aquatic vegetation.
  - Continued close coordination with the Corps of Engineers to complete STA-1 East as soon as possible. Until STA-1 East is in a full flow-through mode, STA-1 West will continue to be overloaded with EAA runoff that is designed to be sent to STA-1 East.
- WY04 Performance to date (May – November 2003) has been mixed – much lower phosphorus loads to Refuge, although higher concentration:
  - In: 231,236 AF, 43.5 metric tons (MT), 153 ppb
  - Out: 236,710 AF, 15.7 MT, 54 ppb (compared to 20.2 MT and 41 ppb for the same period last year)
  - Performance to be discussed with TOC and Special Master
- Dye tracer in Cell 5 in spring 2004 – 670 cfs steady flow for two weeks; will use the Refuge as the source (recycle) if possible
STA-1W TP Monthly Concentrations
Preliminary Data

Inflow (0-250 + 0-300) — Outflow (0-251 + 0-310)

Lake O Inflows
7/02 - 2/03
STA-1W 12-Month Rolling Flow-Weighted Means
Preliminary Data

- Inflows (G-25D + G-30D)
- Outflows (G-251 + G-31D)

Lake O inflows: 7.02 - 2003

Total phosphorus (ppb)
STA-2

– <1,000 acre feet (AF) of Lake Okeechobee deliveries to maintain dry season target depths. The delivery from the Lake is less than 1979-88 historic average of 3,000 AF/yr.

– WY04 performance to date (May – November 2003) has been better than last year:
  • In: 217,556 AF; 22.1 MT; 82 ppb
  • Out: 248,225 AF; 4.4 MT; 14 ppb (compared to 4.4 MT and 18 ppb for the same period last year)

– Dye tracer study planned for Cell 3; approximately 2 months summer 2004
STA-3/4

- Flow-ways 1 and 3 in start-up operations; maintaining average depth of about 12 inches
- Collecting weekly TP since 12/3/03:
  - In: 40 ppb (G-370 and G-372 pump stations)
  - Out: 9 ppb (Flow-way 1) and 14 ppb (Cell 3)
- STA demonstration project construction (see handout)
- Cell 2B vegetation management (see handout)
Some Lake Okeechobee water has been delivered to maintain dry season target depths

WY04 performance to date (May – November 2003) has been better than last year:

- In: 140,413 AF; 46.7 MT; 270 ppb
- Out: 127,896 AF; 15.4 MT; 98 ppb (compared to 23.1 MT and 144 ppb for the same period last year)
STA-6

- No Lake Okeechobee deliveries
- WY04 performance to date (May – November 2003) has been better than last year:
  - In: 41,830 AF; 2.9 MT; 57 ppb
  - Out: 31,873 AF; 0.5 MT; 12 ppb (compared to 0.9 MT and 31 ppb for the same period last year)
All STAs

• WY04 performance to date (May – November 2003) has been better than last year:
  – In: 631,035 AF; 115 MT; 148 ppb
  – Out: 644,704 AF; 36 MT; 45 ppb (compared to 49 MT and 69 ppb for the same period last year)