

**Northern Tampa Bay Phase II Local Technical Peer Review Group (LTPRG)  
SWFWMD Tampa Service Office, Hwy 301N, Tampa**

**Meeting 28  
July 20, 2005 - 9:30AM**

## **Summary**

The following were in attendance: Chris Shea, Tampa Bay Water; **R. Warren Hogg**, Tampa Bay Water; **Annemarie Hammond**, Pasco County; **Gordon A. Leslie, Jr.**, EPC; **Andy Smith**, HCWRT; Mario Cabana, HCWRT; **Dave Slonena**, Pinellas County; **Rich McLean**, Pinellas County; **Laura Morris**, Quest Ecology/WRWSA; Peter Schreuder, Schreuder, Inc.; Joseph Sullivan, Jones Edmunds & Assoc.; **Michael Hancock**, SWFWMD; **Ted Rochow**, SWFWMD; Robert Peterson, SWFWMD; John Emery, SWFWMD, Ken Weber, SWFWMD; B. Terry Jones, SWFWMD; David Carr, SWFWMD; and **Doug Leeper**, SWFWMD. Names in bold are designated representatives for the LTPRG.

David Carr gave a presentation on the use of dendrochronology (tree ring assessment) in the assessment of minimum flows and levels. Mr. Carr discussed the various uses of tree ring assessments to date various natural and man-made occurrences, and explained how the process is performed. The District was initially interested in the technique to help determine historic flows that can be used to set goals for minimum flows in rivers, but has also used tree rings to help determine the historic hydrology of isolated water bodies. The District has several projects ongoing using the technique, including the minimum flow assessment of the Withlacoochee River. Mr. Carr's presentation can be found on the NTB II website.

Michael Hancock gave a presentation on the state of the Minimum Flows and Levels in the NTB area for 2004. The presentation is available on the NTB II website. The assessment included all recently adopted lakes, for a total of 58 lakes. Results were reported for both 10-year and 6-year assessments. Two-year assessments, representing the recent two years of reductions in regional wellfield ground-water withdrawals were also presented, although Mr. Hancock explained that two years was far too short of a period for minimum level assessments. The 2004 assessment of Recovery Levels was also presented. Mr. Hancock concluded that while the last two years of decreased pumping and higher than average rainfall have produced a positive trend in the water levels in the NTB area, and the trends are consistent with previous forecasts, many sites are just at or below their adopted minimum levels. Also, it is too soon to determine with certainty the long-term water levels of the area with the reduced withdrawal rates at the regional wellfields.

The next regular LTPRG meeting is scheduled for 9:30 AM on September 7, 2005 at SWFWMD's Tampa Service Office.

# **AGENDA**

## **Northern Tampa Bay Phase II Local Technical Peer Review Group**

### **Meeting 28 SWFWMD Tampa Service Office, Hwy 301N, Tampa**

**July 20, 2005 - 9:30AM**

1. April meeting follow-up
2. Miscellaneous updates
  - Lake MFL Update
3. Use of dendrochronology (tree ring assessment) in the assessment of minimum flows and levels (David Carr)
4. 2005 MFL evaluation (Michael Hancock)
5. Issues for Next Meeting – September 7, 2005