

**Northern Tampa Bay Phase II Local Technical Peer Review Group
Governing Board Room - SWFWMD Tampa Service Office**

**Special Meeting
April 12, 2001 - 10:00 AM**

Minutes

The following were in attendance: Zhongyan Lin, Hillsborough County EPC; Gordon Leslie, Jr., Hillsborough County EPC; Manfred Liebner, Hillsborough County EPC; Peter Owens, Hillsborough County EPC; Dave Slonena, Pinellas County; Shirley Denton, BRA for Pinellas County; Doug Durbin, BRA for Pinellas County; Doug Keesecker, Tampa Bay Water; Chris Shea, Tampa Bay Water; Andy Smith, Hillsborough County; Ross McWilliams Hillsborough County; Cliff Harrison, Schreuder, Inc. for WRWSA; Vivienne Handy, Quest Ecology for WRWSA; Edward M Craig, FDACS; Tom Pratt, NFWFMD; Guy Gowen, NFWFMD; Jeff Vilagos, City of Tampa; John Emery, SWFWMD; Michael Hancock, SWFWMD; Marty Kelly, SWFWMD; Adam Munson, SWFWMD; Jay Yingling, SWFWMD; Mark Barcelo, SWFWMD; Doug Leeper, SWFWMD.

Doug Leeper gave a presentation entitled A Multiple-Parameter Approach for Establishing Minimum Levels for Category 3 Lakes of the Southwest Florida Water Management District. The slides used in the presentation are posted on the Northern Tampa Bay II section of the Southwest Florida Water Management District website for review.

Several questions and comments were discussed after Mr. Leeper's presentation. Doug Durbin suggested that interactions/conflicts between standards based on bird species richness, boating and basin connectivity should be considered. Mr. Durbin also suggested that the development of reference lake water regime (RLWR) statistics should be reviewed by the peer review group, and that the RLWR should be updated. Zhongyan Lin questioned how the lake area values used for development of the bird species richness-lake area relationship were determined, and also the appropriateness of using the relationship for development of the Species Richness Standard. Dr. Lin also noted that the indicators proposed for development of the Category 3 Lake Normal Pool elevation do not necessarily correspond to the same water level percentile value. For example, high scarps and stratified beach deposits may be expected to occur at relatively higher elevations than many of the other proposed indicators. Shirley Denton suggested that the low palmetto elevation (or some percentile value) be used for establishing the Category 3 Lake Normal Pool elevation for Big Fish Lake and other systems where this indicator may be utilized. Dr. Denton also suggested that "offset" factors (from some unidentified datum) should be developed for each of the indicators

proposed for development of the Category 3 Lake Normal Pool elevation. Dr. Denton noted that use of an aesthetic standard may not be appropriate for some lakes. Gordon Leslie suggested that review of soils data should be used for development of Category 3 Lake Normal Pool and minimum levels development. Peter Owens suggested that the development of the Recreation/Ski Standard should involve review of lake basin data to determine whether rectangular as well as circular "safe-skiing" areas may be contained within the basin. Dave Slonena suggested that the development of minimum levels should involve consideration of recent land-use changes. Jeff Vilagos expressed the need for clarification of the Category 1 and 2 Lakes definitions, and questioned whether minimum levels would be established for reservoirs and other impoundments.

Doug Leeper asked the representatives to provide written comments to the District.

The next regular LTPRG meeting will be held at 9:30 AM on June 6, 2001. The location and topics for the meeting have not yet been determined.

Agenda

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1. Category III Lakes presentation (Doug Leeper)
2. Questions/Comments
3. Next Meeting - June 6, 2001 (location TBA)