

-- Peer Review of Revised MFL Document--

## Minimum Levels Determination: Lake Avalon, Orange County, Florida

By

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### *Overall Impressions*

1. The revised MFL document reads well and is a great improvement over the first draft. Chris Ware and other staff are to be complimented.
2. The relationships of the proposed Lake Avalon MFLs and the 10 environmental criteria are better developed in this version of the MFL report. The use of fish and wildlife habitats & passage of fish criterion is well justified in this edition. The new tables dealing with evaluation of the 10 criteria are very helpful.
3. As noted in my April review of the first draft of the MFL report, I have some reservations about the lack of a brief summary of the setting of the lake, especially with respect to interactions with the underlying aquifer(s) and the geologic setting. For example, I recommended that the water budget worked out by Robison (2008) modeling report. I was not looking for a detailed discussion, just a simple context for the lake setting. The Peer Review Resolution Document includes a note that Robison's report supplies this information. While the water budget is in Price's report, the general setting information is not. I still have the same opinion that a brief discussion of the lake setting would enhance the report. This is not a deal breaker, it is just a recommendation. However, as a physical limnologist in a former life, I am more comfortable seeing a brief discussion of where the aquifers are, how they interact with the lake, etc. than not. A sample of what I have been looking for is included with this submission.
4. I am satisfied that the MFL document is sufficient and accurately defends the proposed MFLs.

### *Specific Comments*

**Table 2:** I like this table. It lays out why fish and wildlife habitats & passage of fish is the most restrictive criterion.

**p. 52, Structural Alterations section:** Paragraphs 1 and 2 repeat each other, in part.

**p. 54, 2<sup>nd</sup> para.:** Suggest that the following sentence be modified as follows: “Because of the nature of **water levels** in sandhill lakes to fluctuate ...”

**p. 55, 1<sup>st</sup> para.:** Change spacial to spatial.