

LAKE OKEECHOBEE HYDROLOGIC PERFORMANCE MEASURES
1965-2000 Simulation Period

Number of times lake stage is above 17ft:

| | |
|---------|---|
| a-0407 | 2 |
| aL-1020 | 4 |
| m-0621 | 2 |
| m-1020 | 2 |
| mL-1020 | 2 |

Number of times lake stage is above 15ft for more than 365 days:

| | |
|---------|---|
| a-0407 | 0 |
| aL-1020 | 0 |
| m-0621 | 0 |
| m-1020 | 0 |
| mL-1020 | 0 |

Number of times lake stage is below 11ft:

| | |
|---------|----|
| a-0407 | 20 |
| aL-1020 | 20 |
| m-0621 | 22 |
| m-1020 | 22 |
| mL-1020 | 21 |

Number of times lake stage is below 12ft for more than 365 days:

| | |
|---------|---|
| a-0407 | 2 |
| aL-1020 | 2 |
| m-0621 | 2 |
| m-1020 | 2 |
| mL-1020 | 2 |

Notes:

- 1) It is necessary to review the lake stage hydrograph to ensure that double counting has not taken place. For example, if the lake stage falls below 17ft for a day and subsequently goes above 17ft the next day, the number of events counted will be two; whereas, by looking at the lake stage hydrograph, one can make the determination that it should only be counted as a single event.
- 2) These four hydrologic performance measures are assigned different weights by the experts that evaluate lake ecosystem performance under different scenarios. Performance measure weights reflect the degree of impact that the hydrologic events have on the ecosystem. On a scale of 1 to 3, with 3 representing the highest weight (greatest impact), the weights are 3, 3, 1, and 2 for the 17 ft, 15 ft, 12 ft, and 11 ft performance measures, respectively.
- (3) An additional performance measure (not displayed here) considers the number of years in a model simulation that have regular recessions of lake stage from near 15 ft in January to near 12 ft in June, without any reversals of stage in

excess of 0.5 ft during a recession period. This performance measure is evaluated by experts in lake ecology based on visual inspection of the hydrographs associated with model runs. The spring recession performance measure has a weight of 3, as described above.

For Planning Purposes Only
Run date: 11/03/06 15:37:45
SFWMM V5.5.2
Script used: lok_hpm.scr, V1.3
Filename: lok_hpm.report

RECOVER Performance Measure