REservoir Sizing and OPerations Screening (RESOPS) Model Assumptions for Current Baseline Simulation & Future Condition Simulations for the River of Grass (ROG) Restoration Project Planning - Phase 1

25-March-2009

Assumptions for Current Base Simulation

Infrastructure

1. Current System, No Reservoirs North, East, West or South of Lake O.
2. South Treatment Area = STA3/4 (16,400 acres, 2.5 ft max depth)

Operations

3. Lake O Regulation Schedule = LORS2008 (ie, the new LORS)
4. Lake releases to WCA-3A limited by STA-3/4 treatment capacity (annual average flow from Lake O limited to 60 kaf; this produced 545 kaf/yr of total flow to STA3/4)
5. Everglades Demand Target = No Everglades Demand Time-Series Specified

Default Assumptions for all Conceptual Configurations (used unless specified otherwise by configuration teams)
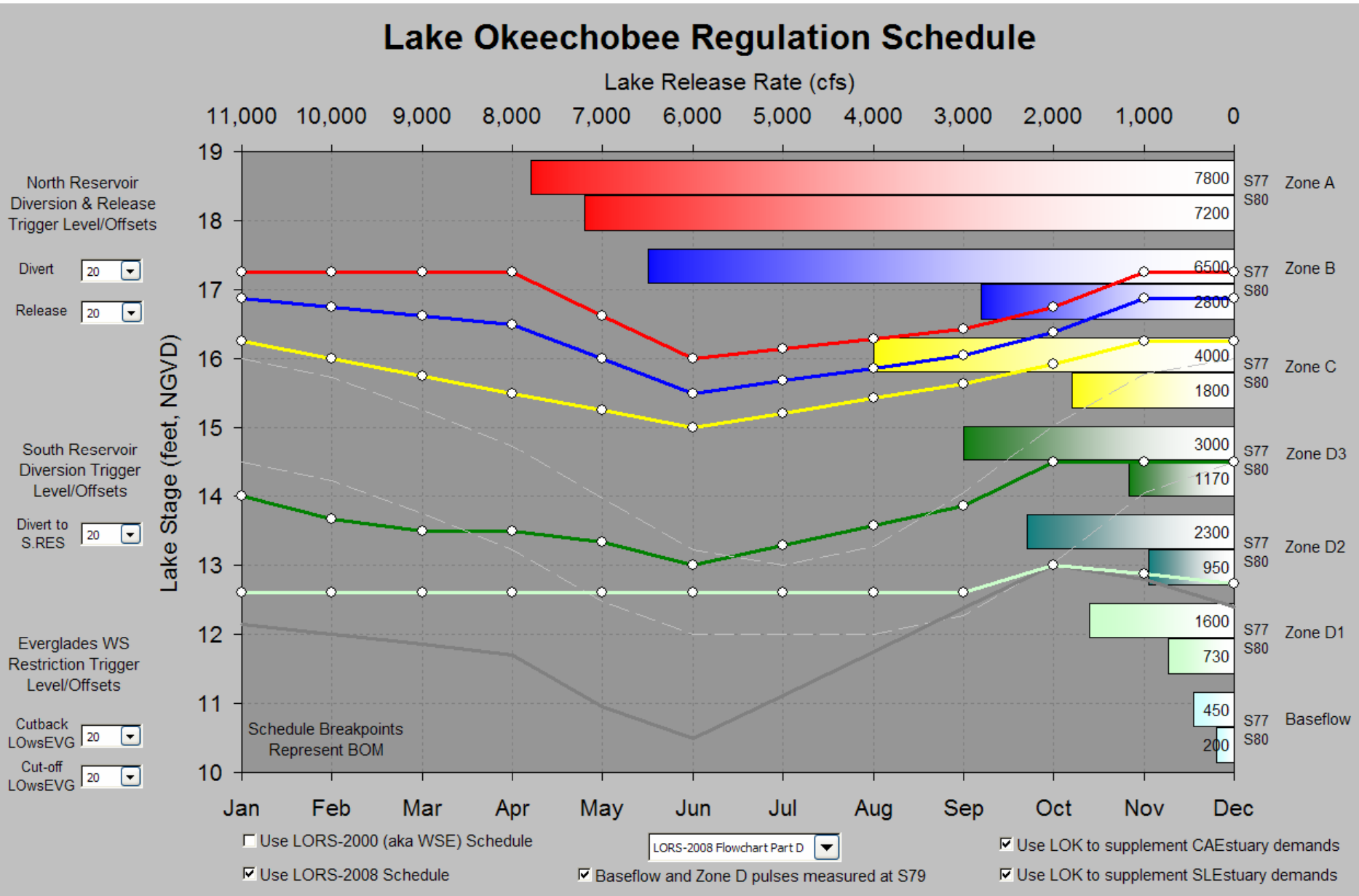
Same assumptions as Current Base and:

Infrastructure

1. East (C-44) Reservoir & STA specs per A8 site design
2. West (C-43) Reservoir specs per C43 PIR
3. North of Lake O Reservoir/Storage = ??.
4. South Reservoir/Storage = ??
5. South Treatment Area = ??
6. STA3/4 operated in conjunction with EAA Compartment B, thereby allowing more capacity for Lake O releases

Operations

7. Estuary water demands to be supplied primarily by C43 & C44 reservoirs, and supplemented by Lake O.

Current Lake O Regulation Schedule (aka, LORS-2008)

Lake Okeechobee Regulation Schedule

Previous Lake O Regulation Schedule (aka, WSE or LORS-2000)