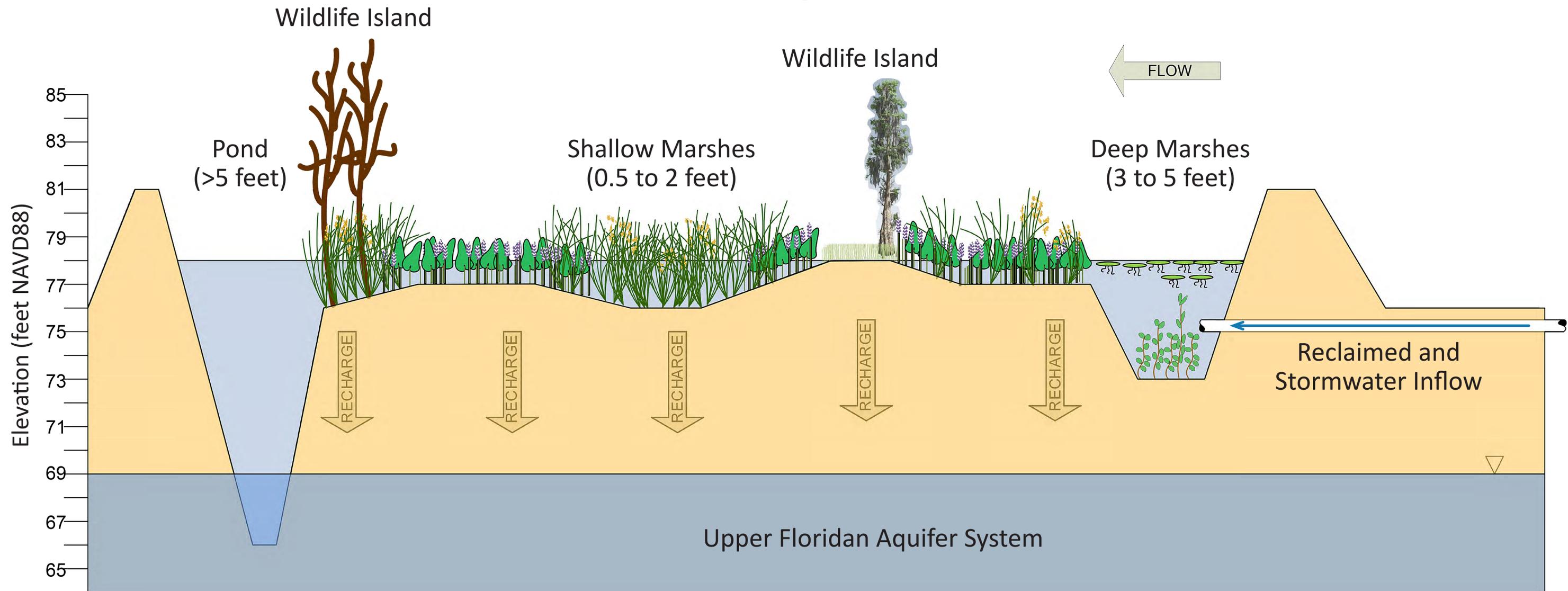


Wetland Groundwater Recharge Conceptual Cross-Section



Wetland Groundwater Recharge Park site is ideally suited for recharge

- Site hydrogeology:
 - Well-drained soils
 - No or very thin surficial aquifer layer
 - Direct connection to Upper Floridan Aquifer
- Sand and fine sand soils promote infiltration and filtration
- Depth to the Upper Floridan Aquifer groundwater is 10 to 20 feet
- Upper Floridan Aquifer provides unlimited storage allowing water from the site to go easily from the wetland to the aquifer

Innovative park design concept maximizes recharge potential at the least capital cost

- Recharge with stormwater and reclaimed water is maximized
- Site topography is used to reduce construction costs
- Operation tools optimize recharge and ecology:
 - Water level sensors guide the loading rate
 - Natural wetland cycles occur in the summer (high water level) and winter (low water level)
 - Sensors are programmed to open and close based on seasonal water levels to promote healthy wetlands