

## Water Supply Reservoir Capacity Data

### Proposed CCRC Site 4B

Drainage Area = 16,500 acres  
Normal Pool Area = 790 acres  
DAPA Ratio = 20.9 : 1  
Normal Pool Elevation = 1001.0  
Bottom Intake Elevation = 984.0  
Total Volume Available = 11,030 acre-feet  
Safe Withdrawal Capacity Determined = 2.0 MGD

### West Lake

Drainage Area = 6,366  
Normal Pool Area = 297  
DAPA Ratio = 21.4 : 1  
Normal Pool Elevation = 1072.0  
Bottom Intake Elevation = 1052.0  
Total Volume Available = 2,665 acre-feet  
Safe Withdrawal Capacity Determined = 0.8 MGD

**Osceola Treatment Capacity = 3.0 MGD**

**Osceola Design Average Day Demand = 2.8 MGD versus safe withdrawal capacity of 2.8 MGD**

### Three-Mile

Drainage Area = 23,230 acres  
Normal Pool Area = 880 acres  
DAPA Ratio = 26.4 : 1  
Normal Pool Elevation = 1148.5  
Bottom Intake Elevation = 1124.0  
Total Volume Available = 12,609 acre-feet  
Total Water Supply Volume = 9,000 acre-feet  
Safe Withdrawal Capacity Estimated for 9,000 AF =  $2.0 \times 9,000 / 11,030 \times 26.4 / 20.9 = 2.1$  MGD  
Safe Withdrawal Capacity Estimated for 12,609 AF =  $2.0 \times 12,609 / 11,030 \times 26.4 / 20.9 = 2.9$  MGD

**SIRWA Treatment Capacity = 6.0 MGD**

**SIRWA Design Average Day Demand = 3.6 MGD versus total safe withdrawal capacity of 2.1-2.9 MGD**

### Twelve-Mile

DAPA Ratio = 23 : 1  
Total Water Supply Volume = 8,000 acre-feet  
Safe Withdrawal Capacity Estimated =  $2.0 \times 8,000 / 11,030 \times 23 / 20.9 = 1.6$  MGD

**Creston Treatment Capacity = 8.0 MGD**

**Creston Design Average Day Demand = 1.0 MGD? versus total safe withdrawal capacity of 1.6 MGD**

### Combined Reservoirs and Entities

**Total Safe Withdrawal Capacity of All Reservoirs = 2.0 + 0.8 + (2.1-2.9) + 1.6 = 6.5-7.3 MGD**

**Total Design Average Day Demand of All Entities = 2.8 + 3.6 + 1.0? = 7.4 MGD**