

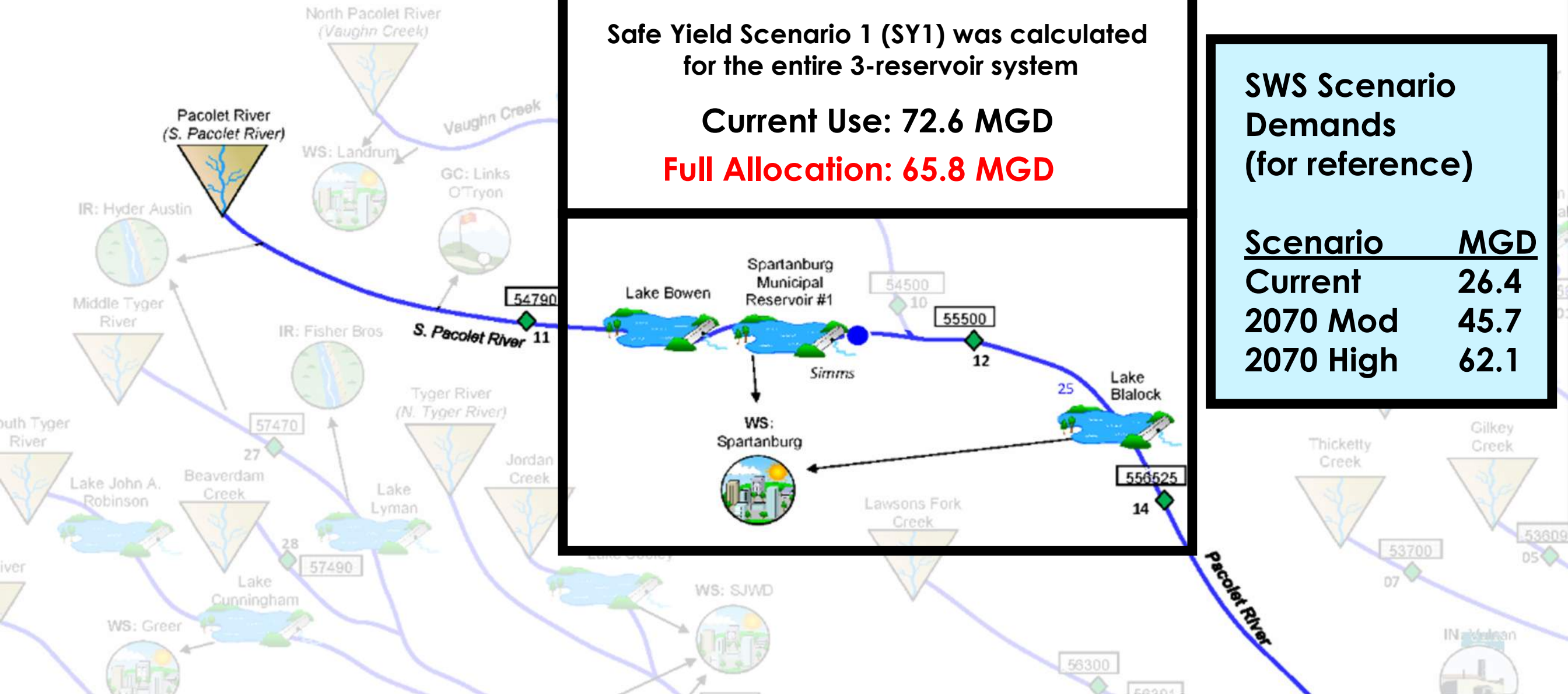


Full Allocation Scenario Safe Yield of Spartanburg Water System Reservoirs

Current Reservoir Safe Yield

- Reservoir Safe Yield is defined as *the Surface Water Supply for a reservoir or system of reservoirs over the simulated hydrologic period of record.*
 - Based on the shallowest intake for an essential water use in a reservoir
 - Uses current reservoir operating rules
 - Based on Current Scenario.
- Planning Framework also calls for calculation of the **Unallocated Reservoir Safe Yield**

Spartanburg Water System Reservoirs



Safe Yield Scenario 1 (SY1) was calculated for the entire 3-reservoir system

Current Use: 72.6 MGD

Full Allocation: 65.8 MGD

SWS Scenario Demands (for reference)	
Scenario	MGD
Current	26.4
2070 Mod	45.7
2070 High	62.1

Spartanburg Water System Reservoirs

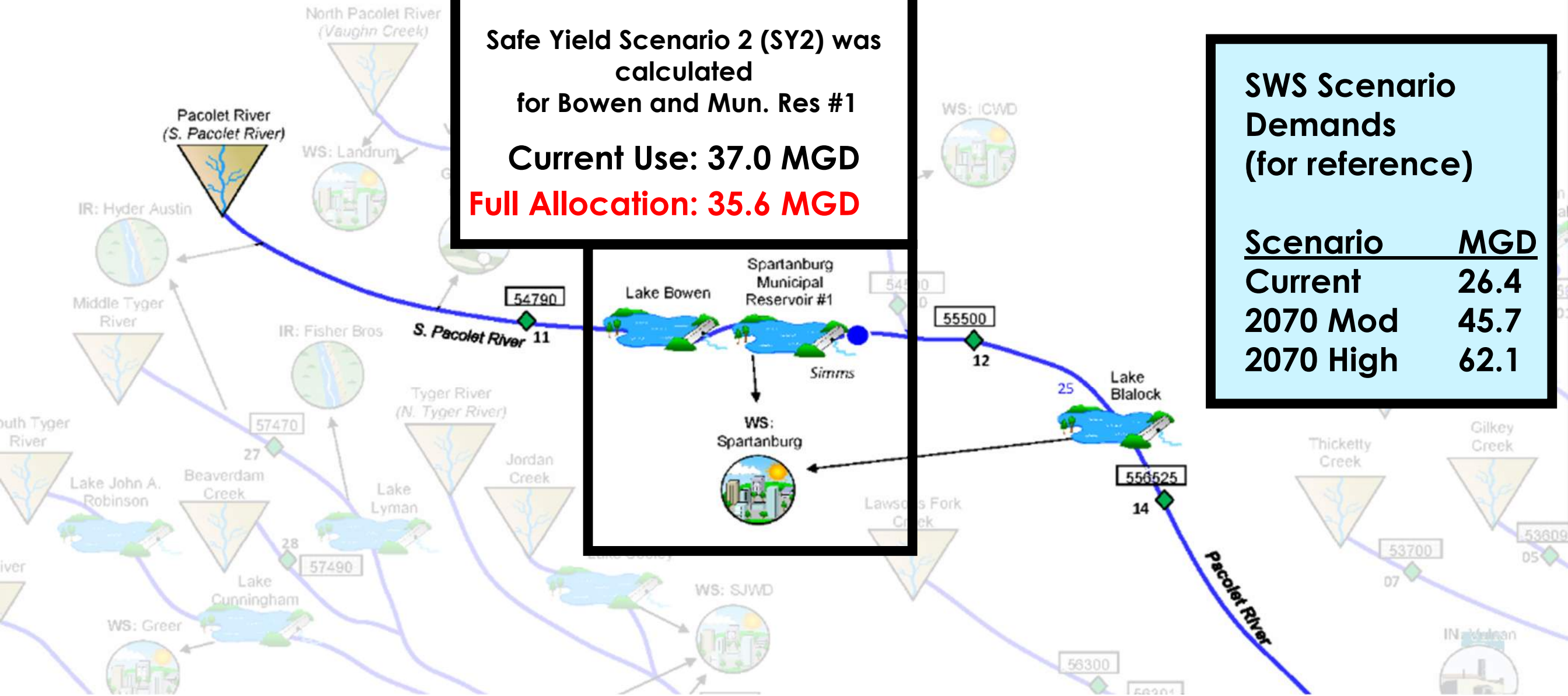
Safe Yield Scenario 2 (SY2) was calculated for Bowen and Mun. Res #1

Current Use: 37.0 MGD

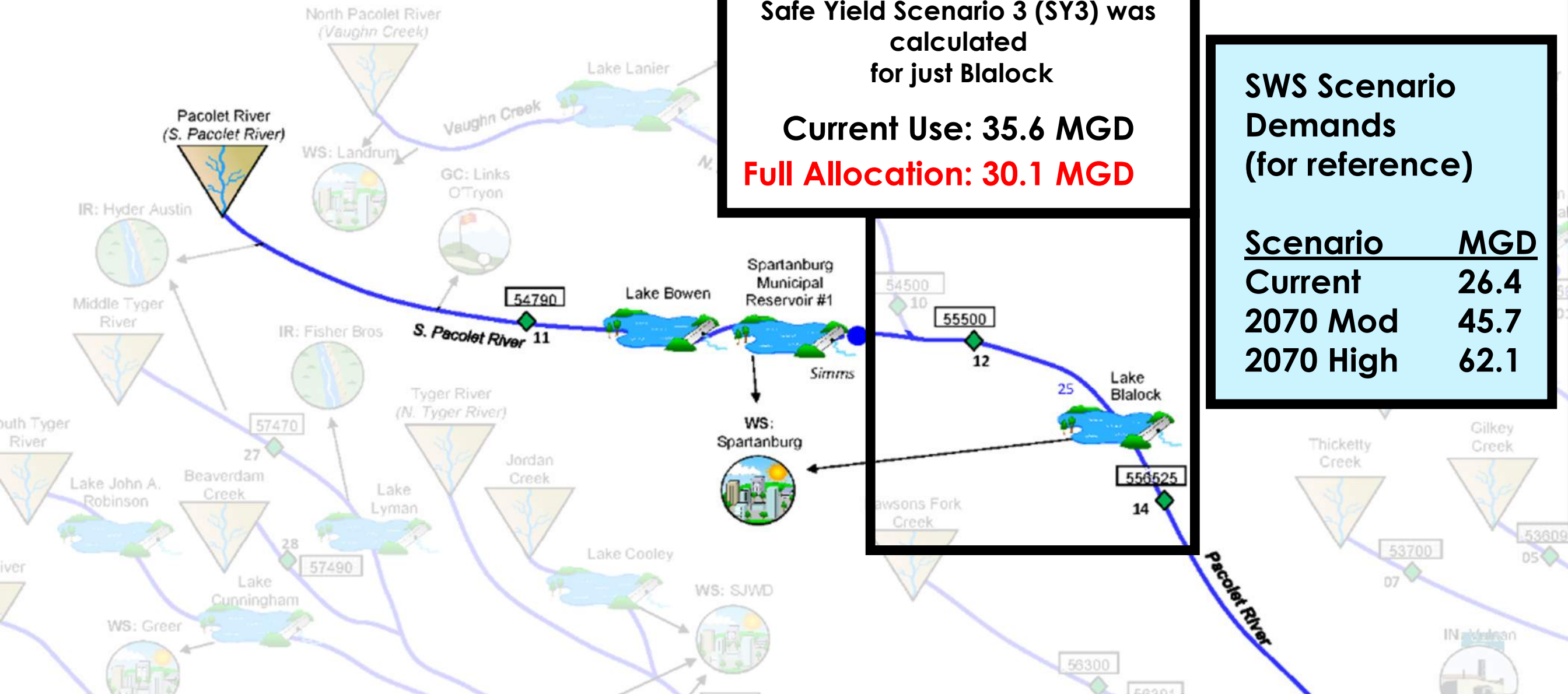
Full Allocation: 35.6 MGD

SWS Scenario Demands (for reference)

Scenario	MGD
Current	26.4
2070 Mod	45.7
2070 High	62.1



Spartanburg Water System Reservoirs



Safe Yield Scenario 3 (SY3) was calculated for just Blalock

Current Use: 35.6 MGD

Full Allocation: 30.1 MGD

SWS Scenario Demands (for reference)

Scenario	MGD
Current	26.4
2070 Mod	45.7
2070 High	62.1