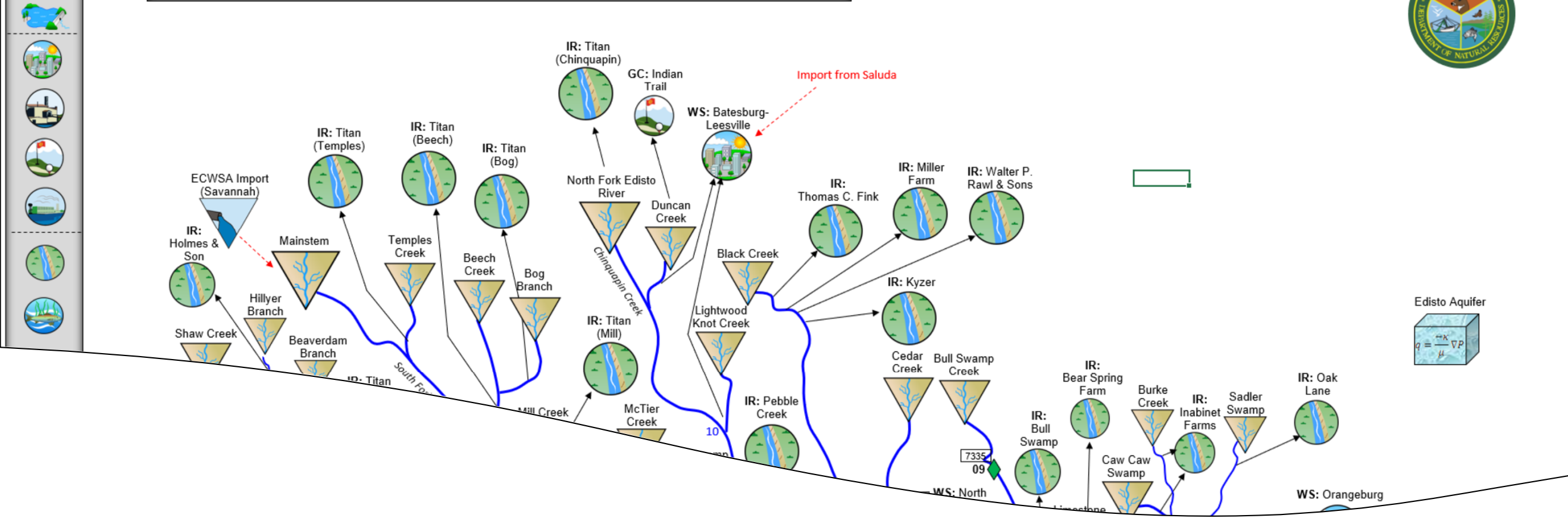




8/4/1931 12/31/2018

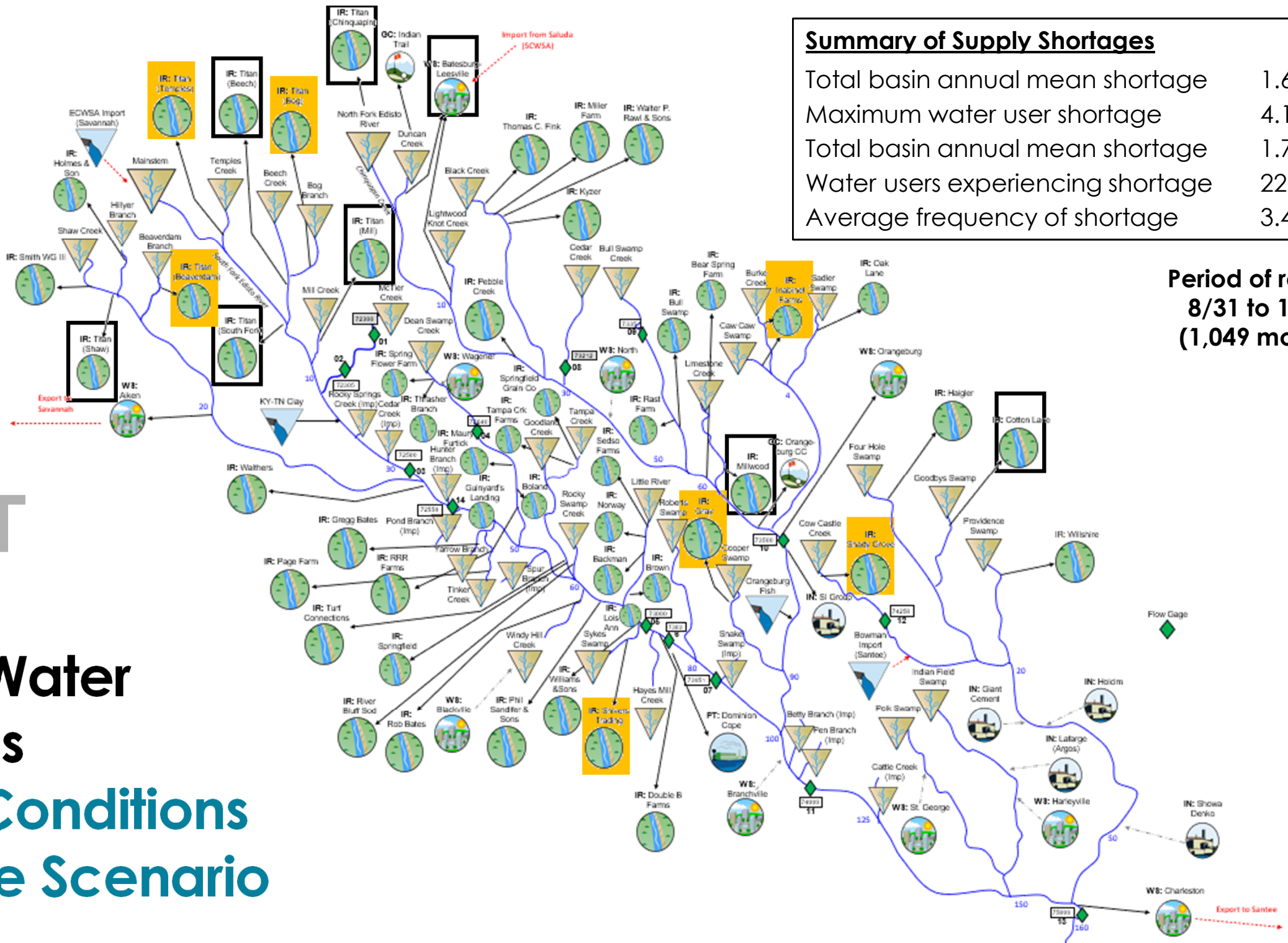
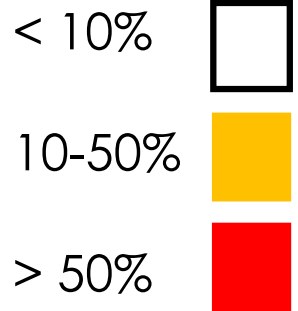
Daily Planning Riparian Water Rights **Run (Ctrl R)**

AF, AFM, AFD MG, MGD, CFS m³, m³/d, m³/s



Performance Measures, Strategic Nodes, and Reaches of Interest

Frequency of Shortage



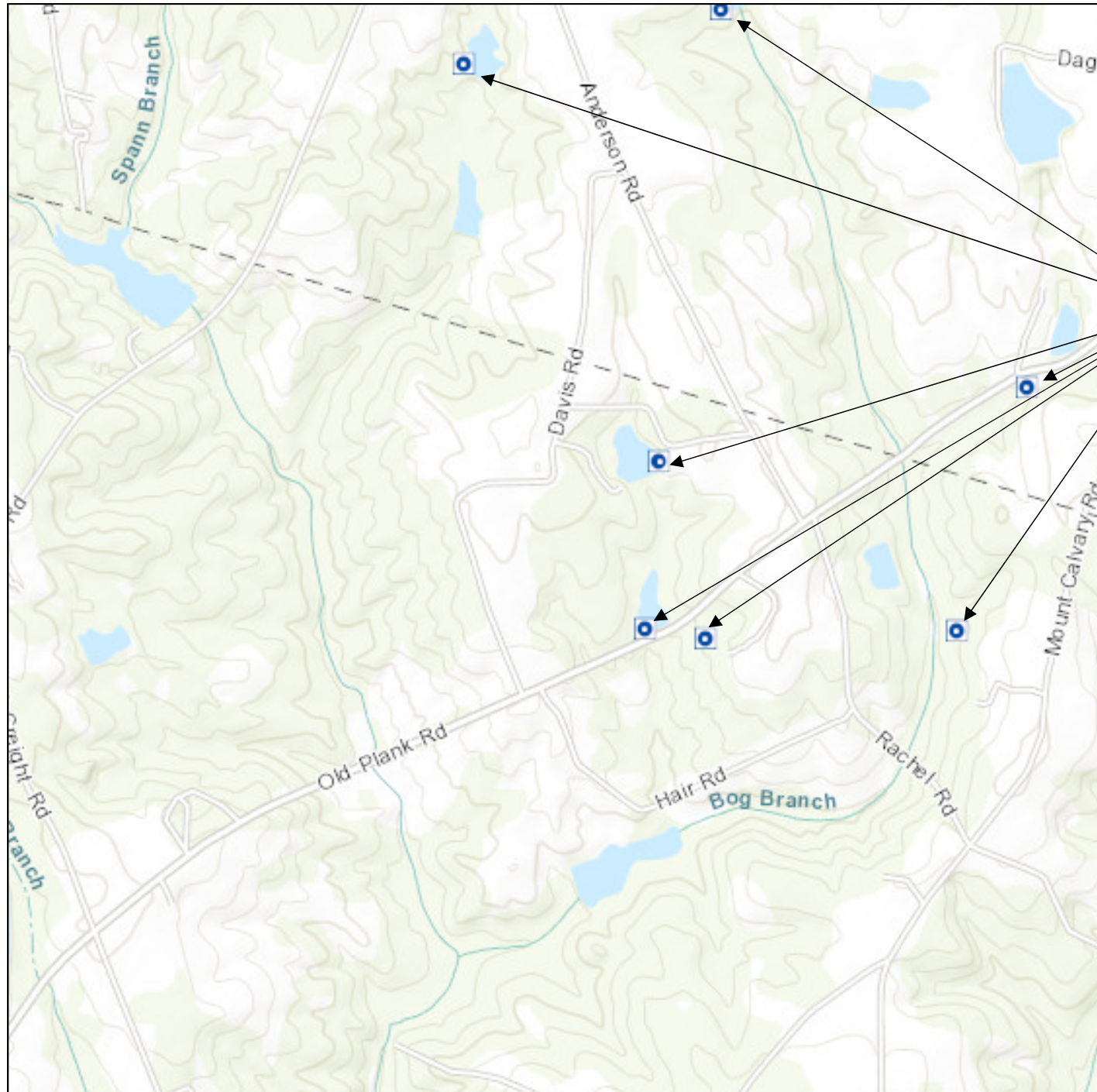
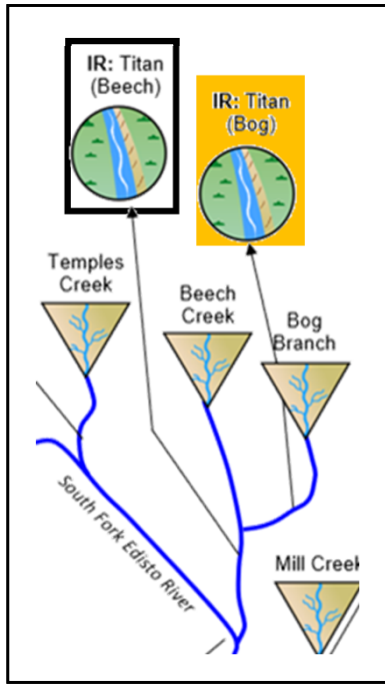
Summary of Supply Shortages	
Total basin annual mean shortage	1.6 MGD
Maximum water user shortage	4.1 MGD
Total basin annual mean shortage	1.7%
Water users experiencing shortage	22.1%
Average frequency of shortage	3.4%

Period of record:
8/31 to 12/18
(1,049 months)

DRAFT

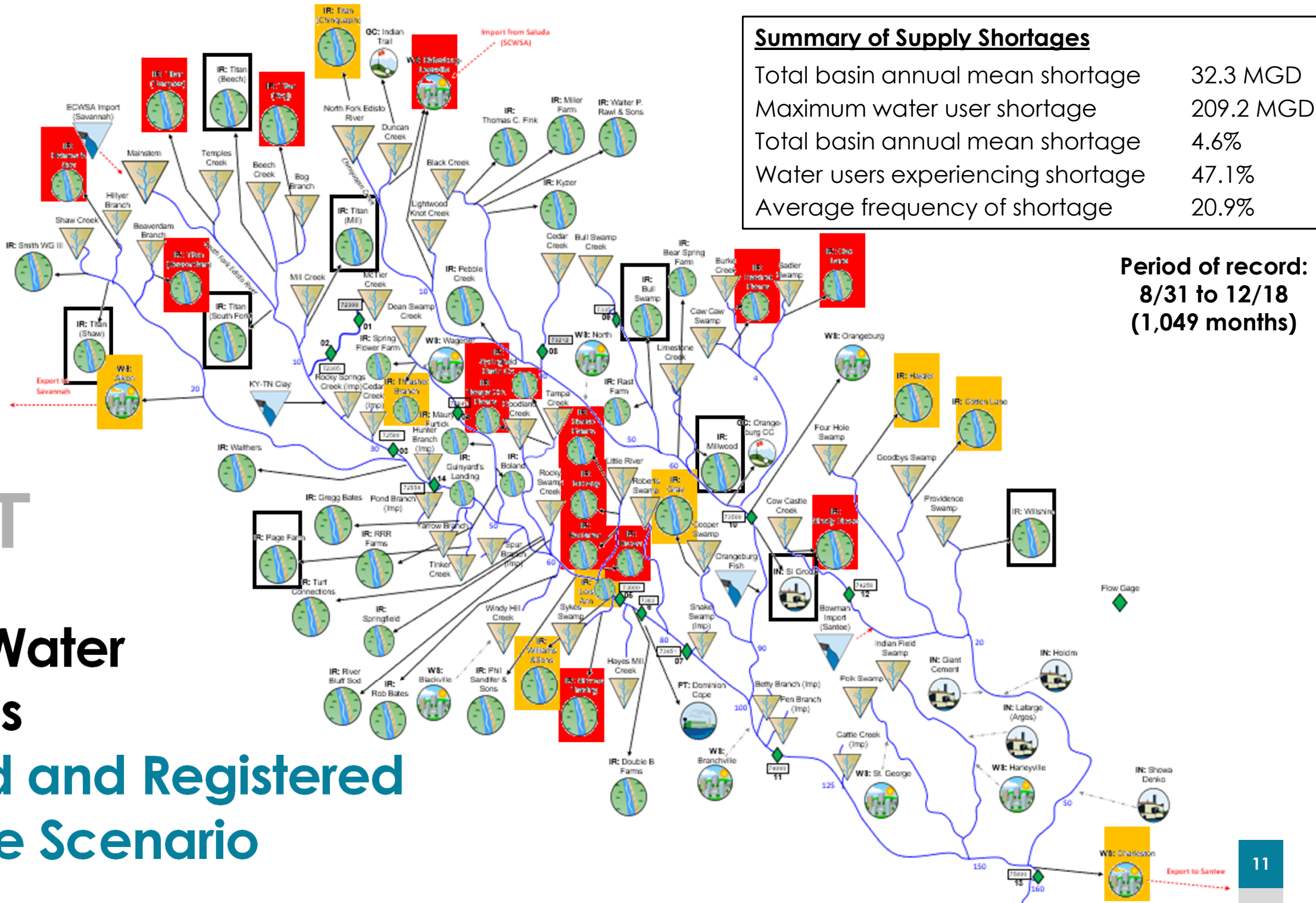
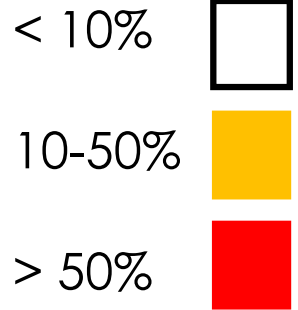
Surface Water Shortages Current Conditions Water Use Scenario

Titan Farms Bog Branch Example

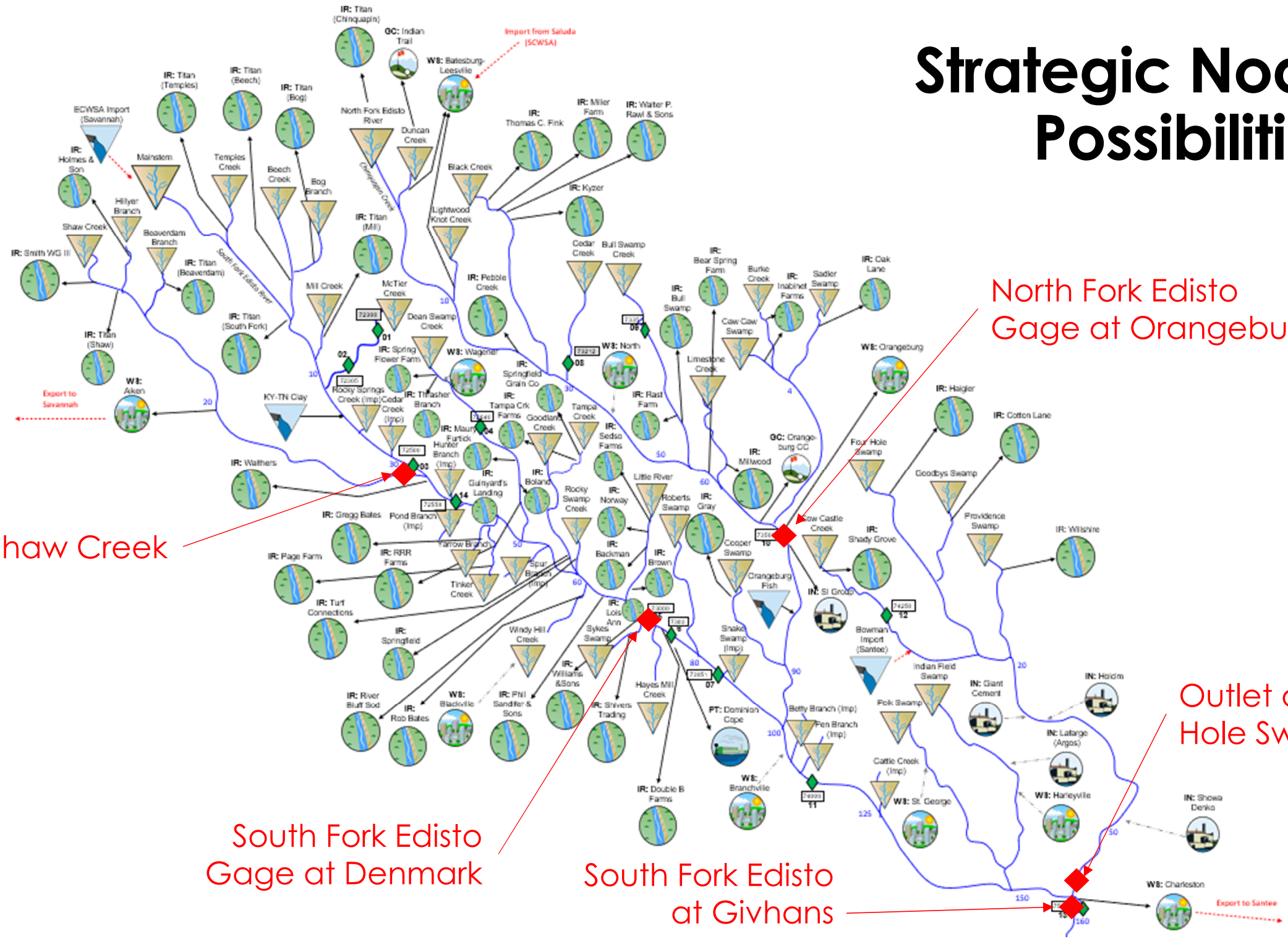


**7 Withdrawal
Locations**

Frequency of Shortage



Strategic Node Possibilities



Outlet of Shaw Creek

North Fork Edisto Gage at Orangeburg

South Fork Edisto Gage at Denmark

South Fork Edisto at Givhans

Outlet of Four Hole Swamp

Reaches of Interest

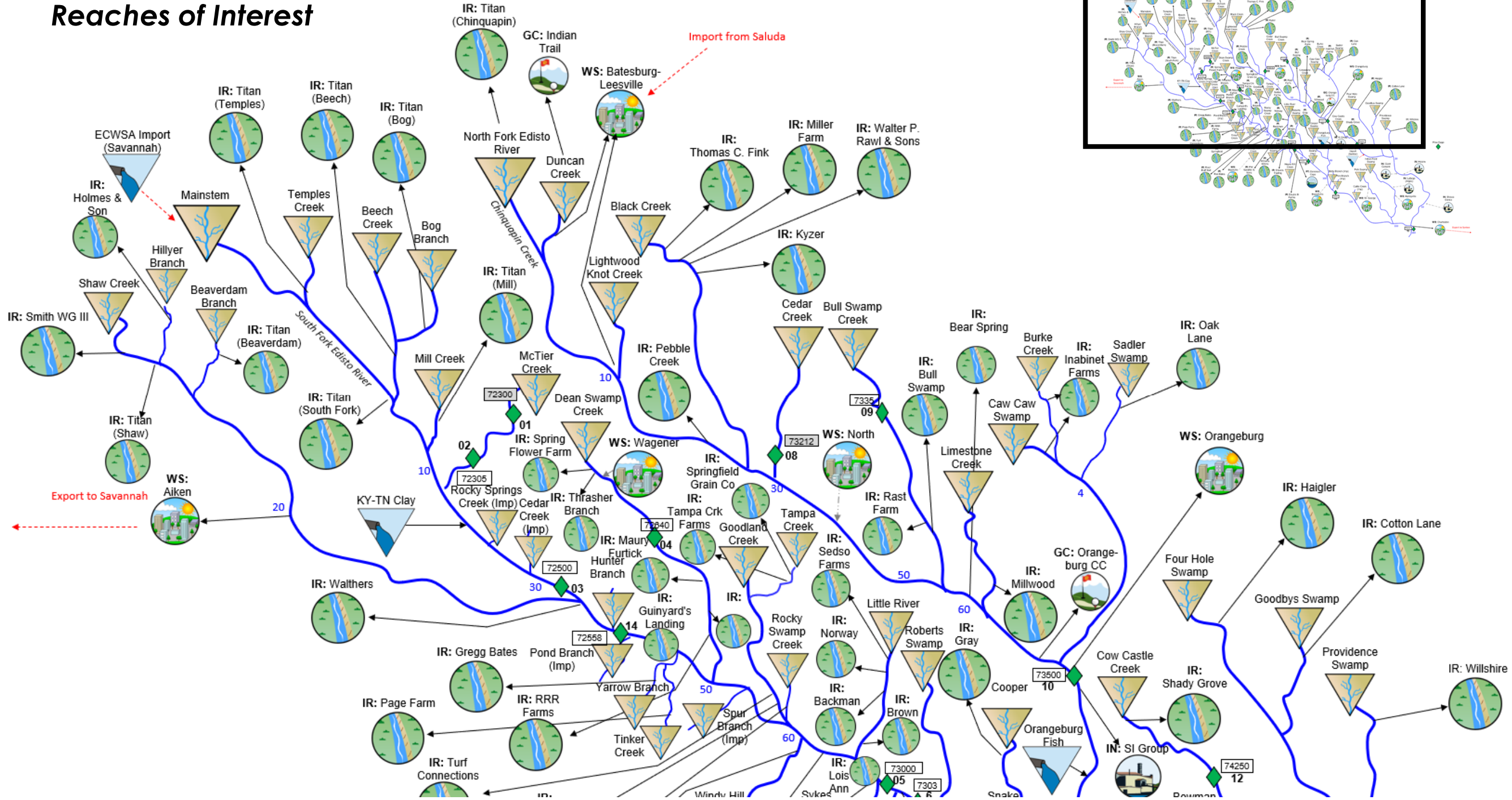
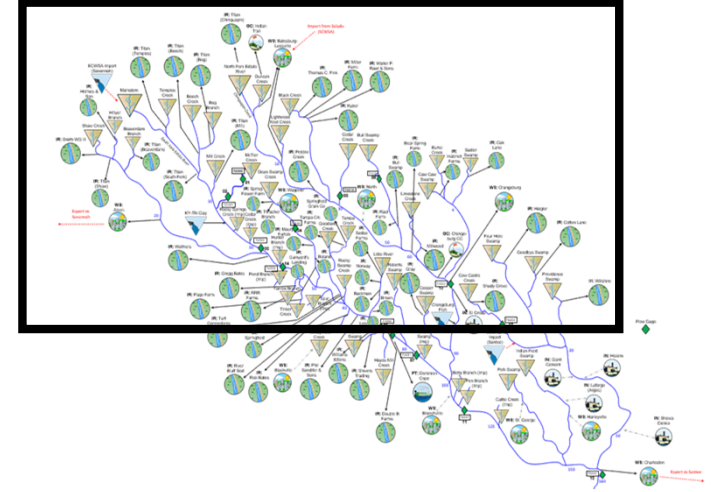
Specific stream reaches that may have no identified *Surface Water Shortage* but experience undesired impacts, environmental or otherwise, determined from current or future water-demand scenarios or proposed water management strategies.

Could be related to:

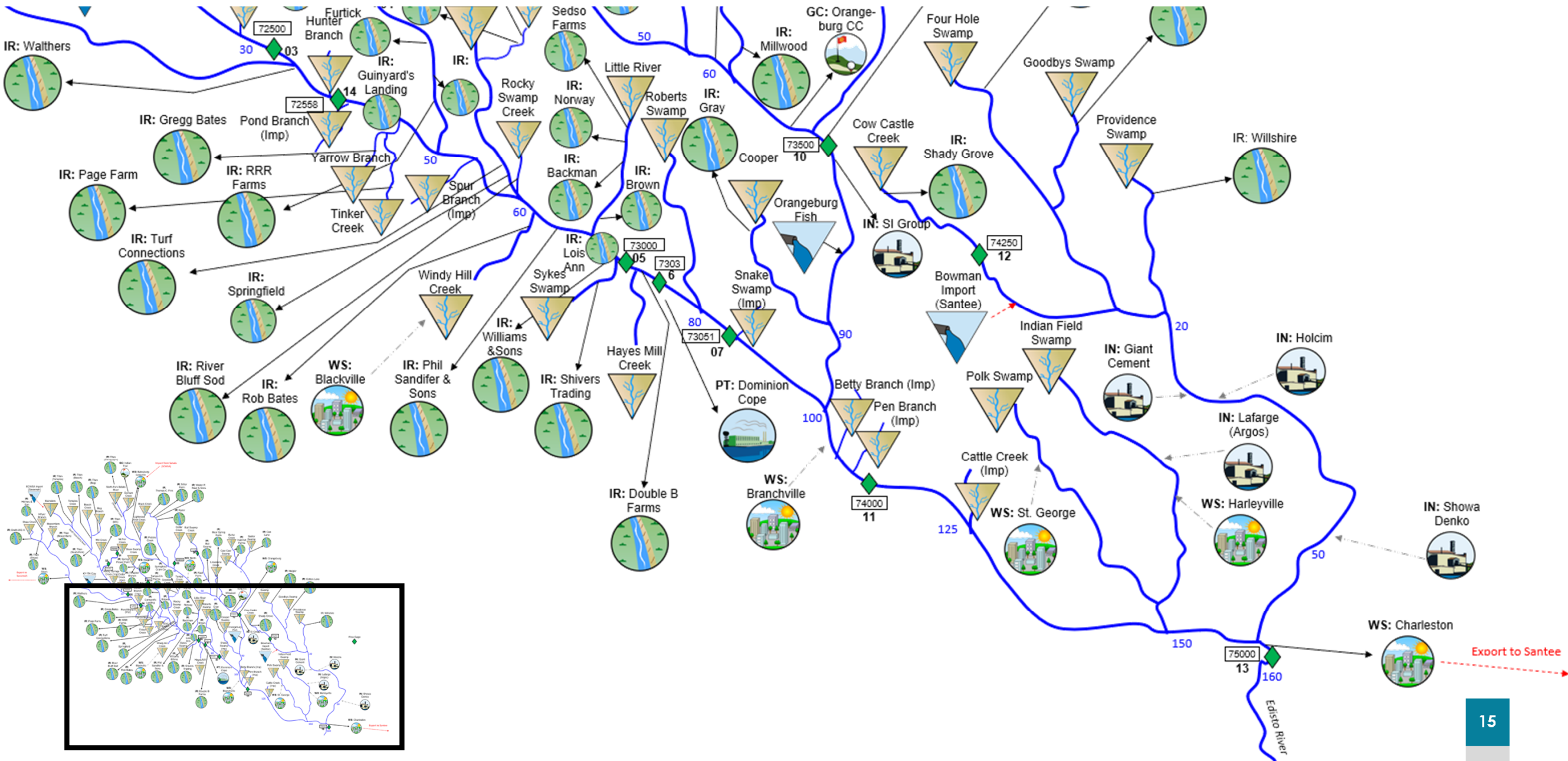
- Recreational flows
- Ecological / in-stream flows

Does the RBC want to identify any reaches of interest?

For Identifying Reaches of Interest



For Identifying Reaches of Interest



Performance Measures

Assessment of simulation results will focus on quantifying key performance measures for multiple reaches of interest across the basin.

Example / Suggestions:

- Percent change in a monthly minimum flow, 5th percentile flow, and/or median flow
- Percent change in seasonal or monthly flows
- Percent change in surface water supply
- Percent change in mean annual shortage or mean percent shortage
- Change in the number and magnitude of excursions below 20, 30 and 40 percent mean annual daily flows and/or 7Q10 flow
- Change in number of water users experience a shortage
- Change in the average frequency of shortage
- Percent of time recreational facilities were unavailable on a stream reach

Next Edisto RBC Meeting

Wed, January 27 (in 3 weeks)

Informational Topic

- How changing land use has impacted water supply and recharge
- Review Surface Water Model Results for all four scenarios

Alex Butler, SCDHEC

RBC Discussion and Housekeeping Items

- Further Consider and Identify:
 - Strategic Nodes
 - Reaches of Interest
 - Surface Water Conditions
 - Performance Measures
 - Additional Scenarios