

Review of January Meeting Highlights

Summary of Average Annual Surface Water Demands by Scenario (in MGD)

Surface Water Use Sector	Current Use	2070 Moderate Demand	2070 High Demand	Permitted & Registered
Mining	0.1	0.1	0.1	0.5
Agriculture	2.7	3.1	4.4	15.2
Golf Courses	0.6	0.5	1.1	10.1
Industrial/Manufacturing	24.9	56.0	91.6	44.9
Public Water Supply	142.6	188.5	262.0	525.1
Thermoelectric ¹	171.2	171.2	171.2	502.0
Total Demand all Sectors*	342	419	530	1,098
Scenario Demand as a % of P&R	31%	38%	48%	--
Total Demand without Thermoelectric*	171	248	359	596
Scenario Demand as a % of P&R without Thermoelectric	29%	42%	60%	--

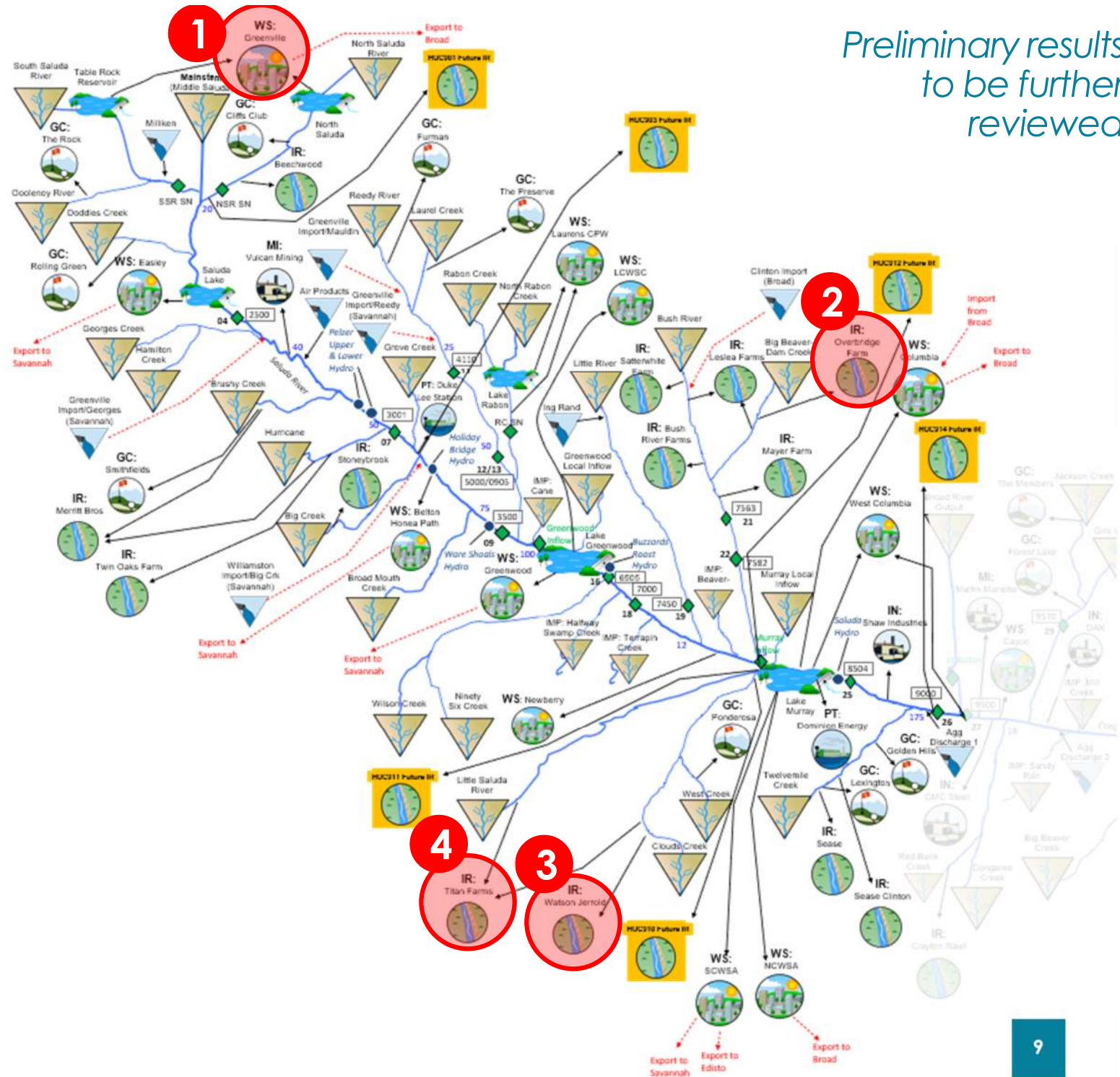
* Rounded to nearest MGD

¹ Approximately 76% of the thermoelectric withdrawals are returned

2070 Moderate Demand Scenario

Preliminary results to be further reviewed

1 Physical Shortage



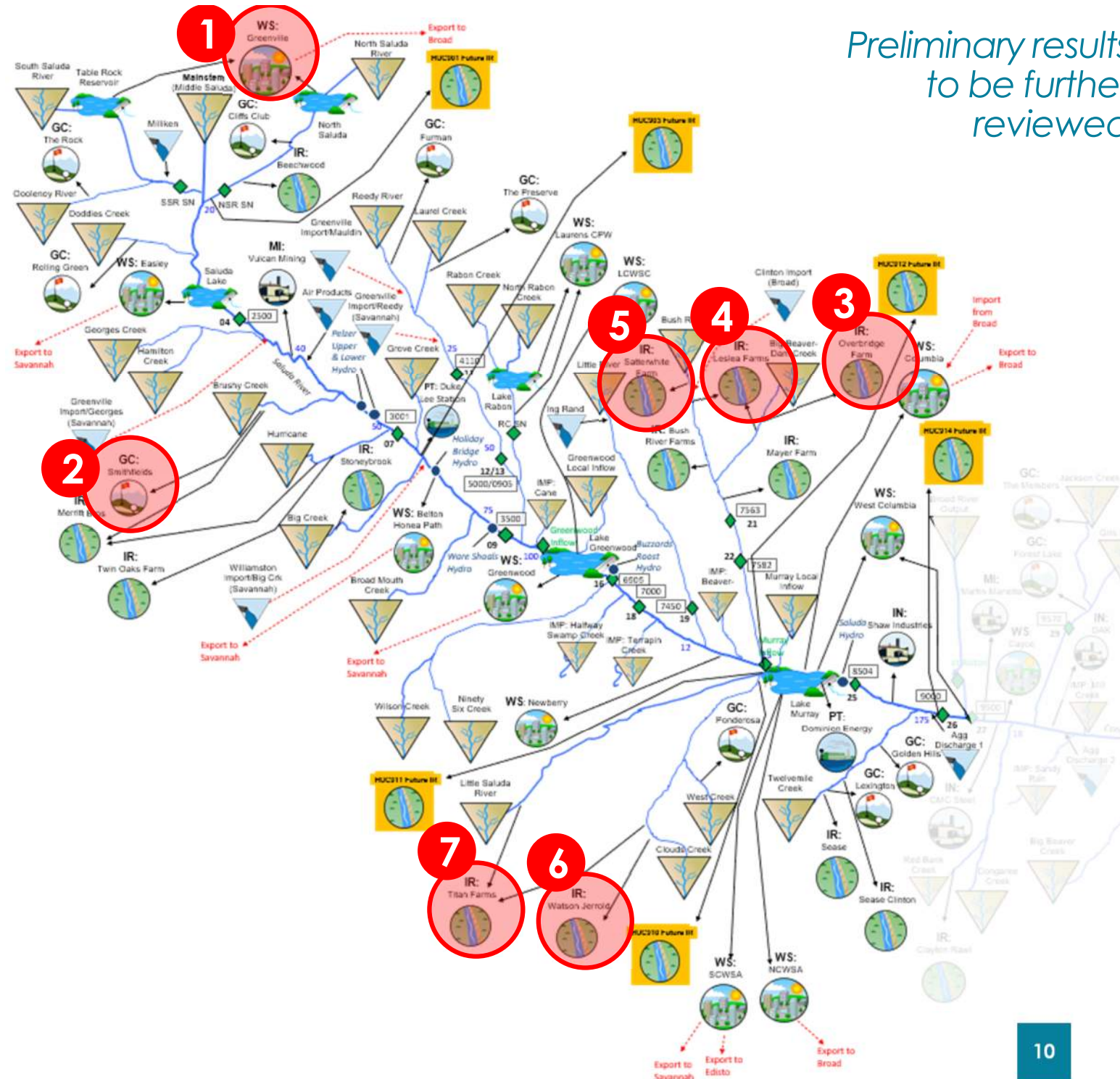
Surface Water Shortage Table

Map ID	Water User	Max Shortage (MGD)	Frequency of Shortage
1	WS: Greenville	61.6	20%
2	IR: Overbridge Farm	0.03	0.2%
3	IR: Watson Jerrold Farm	0.6	7%
4	IR: Titan Farms	1.9	10%

2070 High Demand Scenario

Preliminary results to be further reviewed

1 Physical Shortage



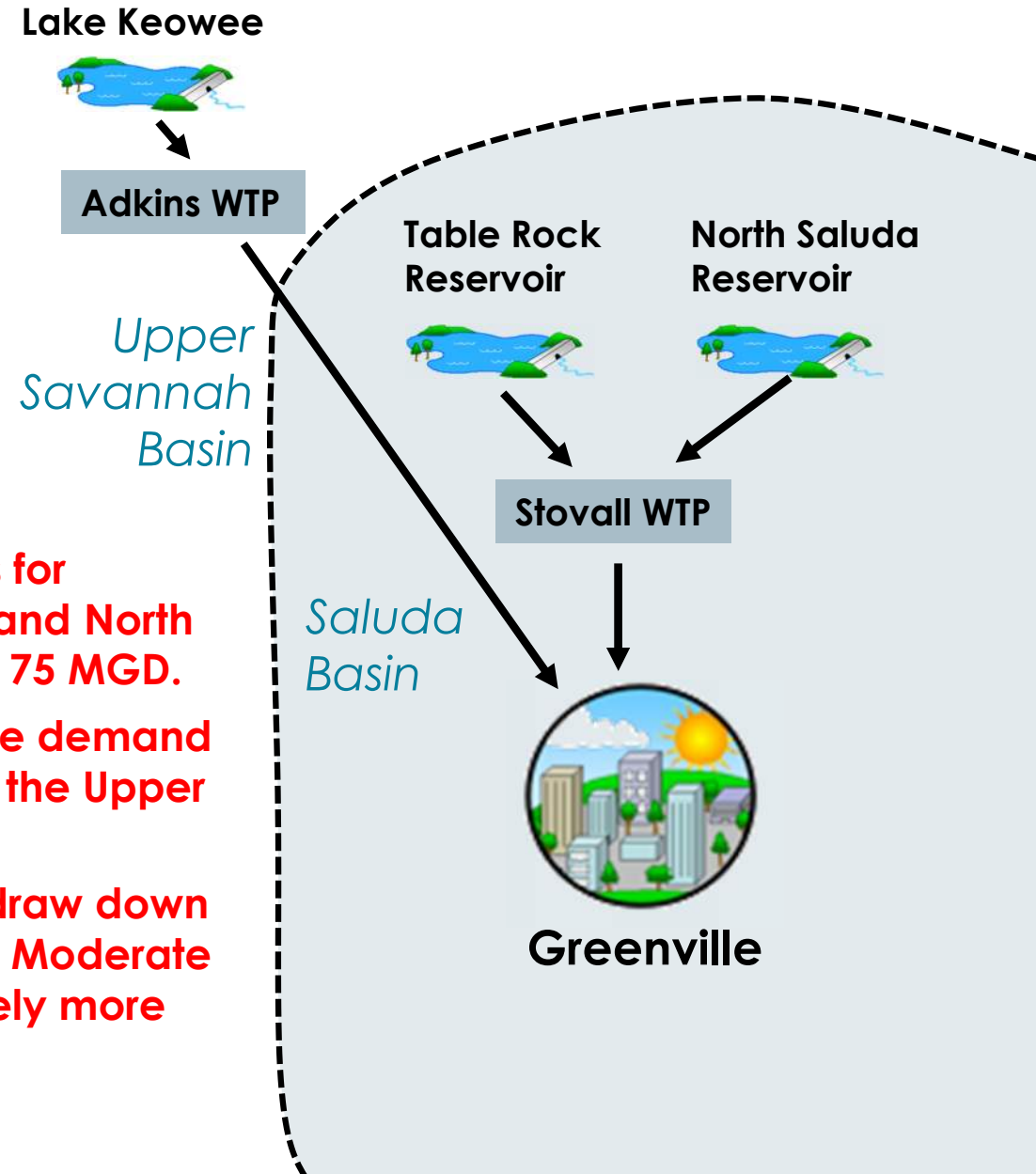
Surface Water Shortage Table

Map ID	Water User	Max Shortage (MGD)	Frequency of Shortage
1	WS: Greenville	67.9	34%
2	GC: Smithfields	0.03	0.1%
3	IR: Overbridge Farm	0.03	0.2%
4	IR: Leslea Farms	0.1	0.3%
5	IR: Satterwhite Farms	0.04	0.1%
6	IR: Watson Jerrold Farm	0.8	12%
7	IR: Titan Farms	2.5	12%

Notes on Greenville Water

Minimum Releases used in all Scenarios
 N. Saluda Reservoir: 3 mgd (6.65 cfs)
 Table Rock Reservoir: 3 mgd (6.65 cfs)

Reservoir or Water Treatment Plant	Permitted Withdrawal	Current Firm Capacity	Planned Firm Capacity by 2030	Planned Firm Capacity by 2050
Table Rock Reservoir	67	75	75	75
North Saluda Reservoir	60			
Total	127			
Stovall WTP		60	90	110
Lake Keowee	150			
Adkins WTP				
Total		135	165	185

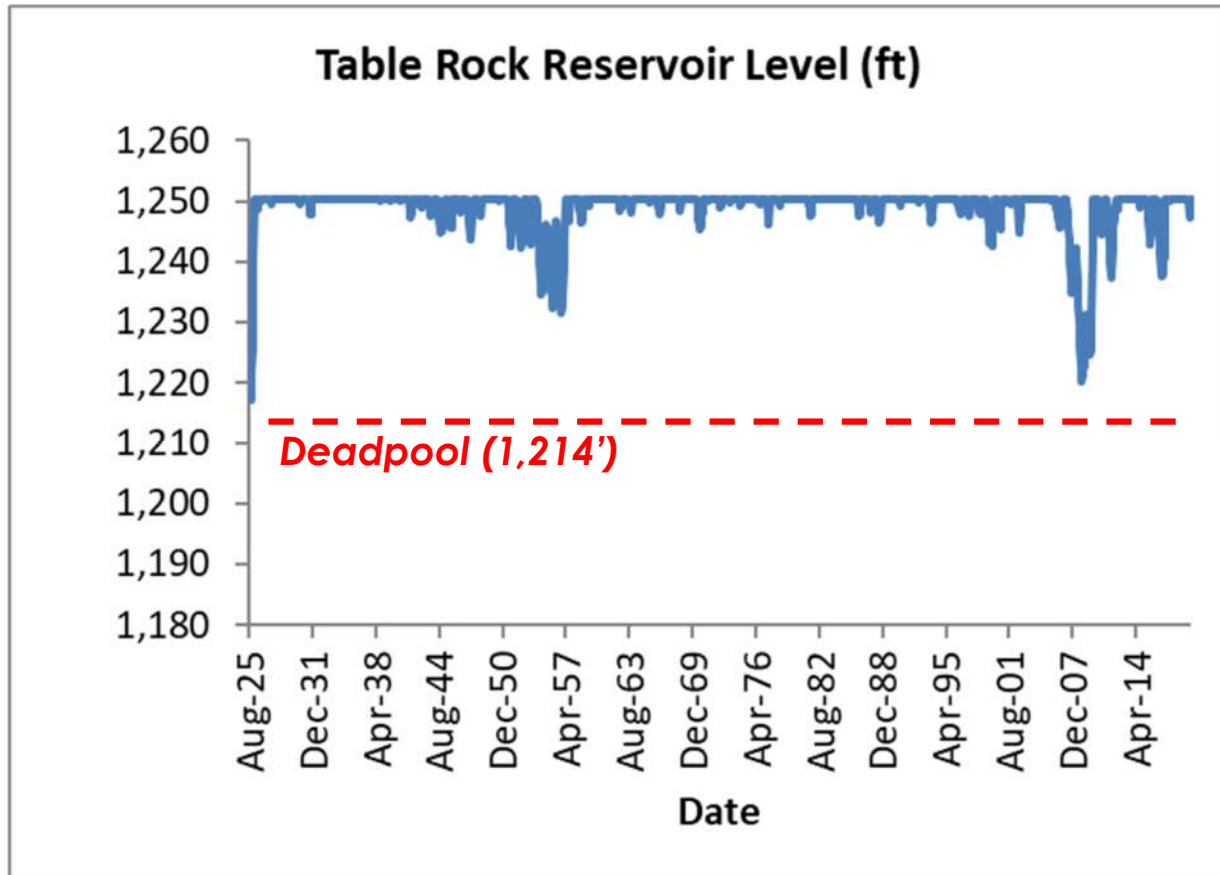


The combined safe yield of Table Rock and North Saluda reservoirs is 50.6 MGD.

- The 2070 High Demand Projections for Greenville Water from Table Rock and North Saluda Reservoirs were capped at 75 MGD.
- Additional water to meet Greenville demand would come from Lake Keowee in the Upper Savannah basin.
- Greenville Water would likely not draw down both reservoirs, as was done in the Moderate and High Demand Scenarios but rely more on Lake Keowee.

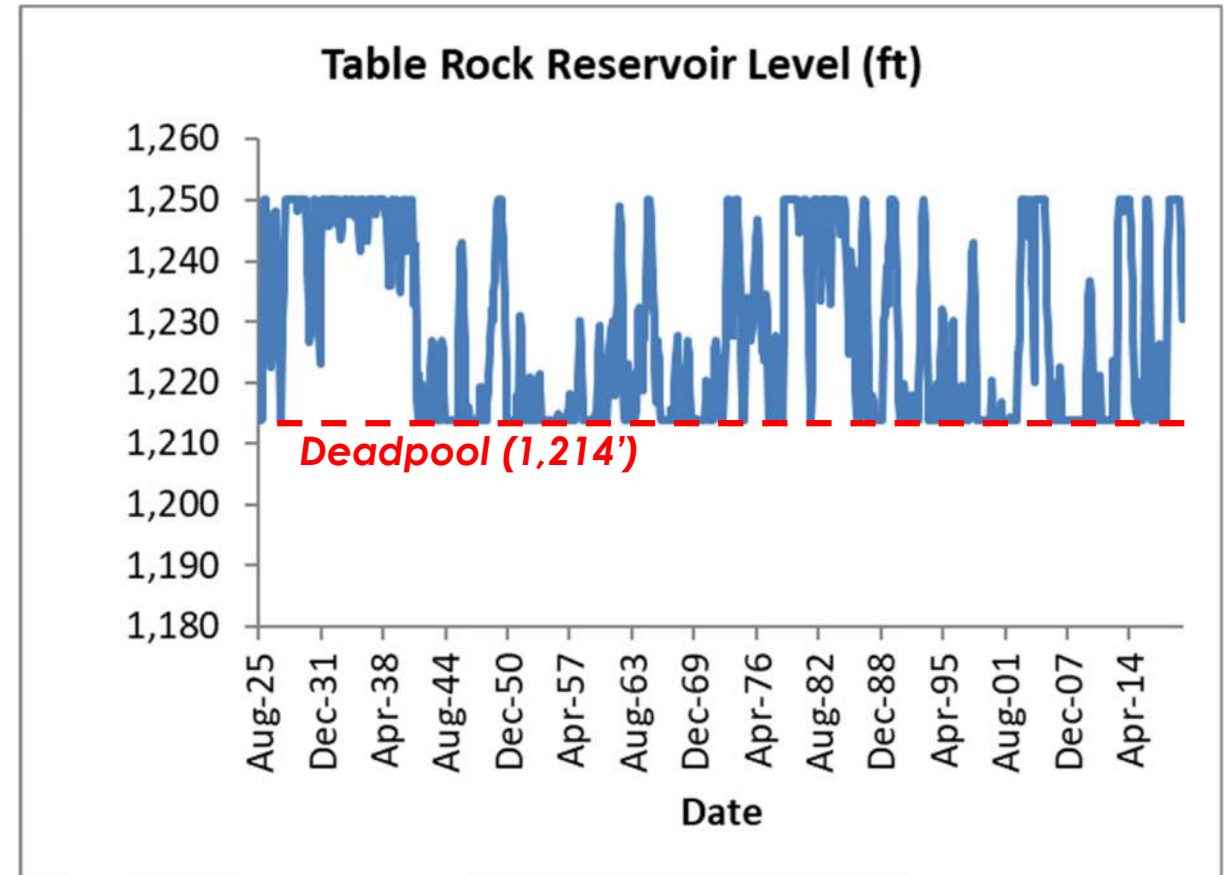
Reservoir Storage – Table Rock Lake

Current Use Scenario



Greenville Water Average
Annual Demand for Saluda Reservoirs **35.2 MGD**

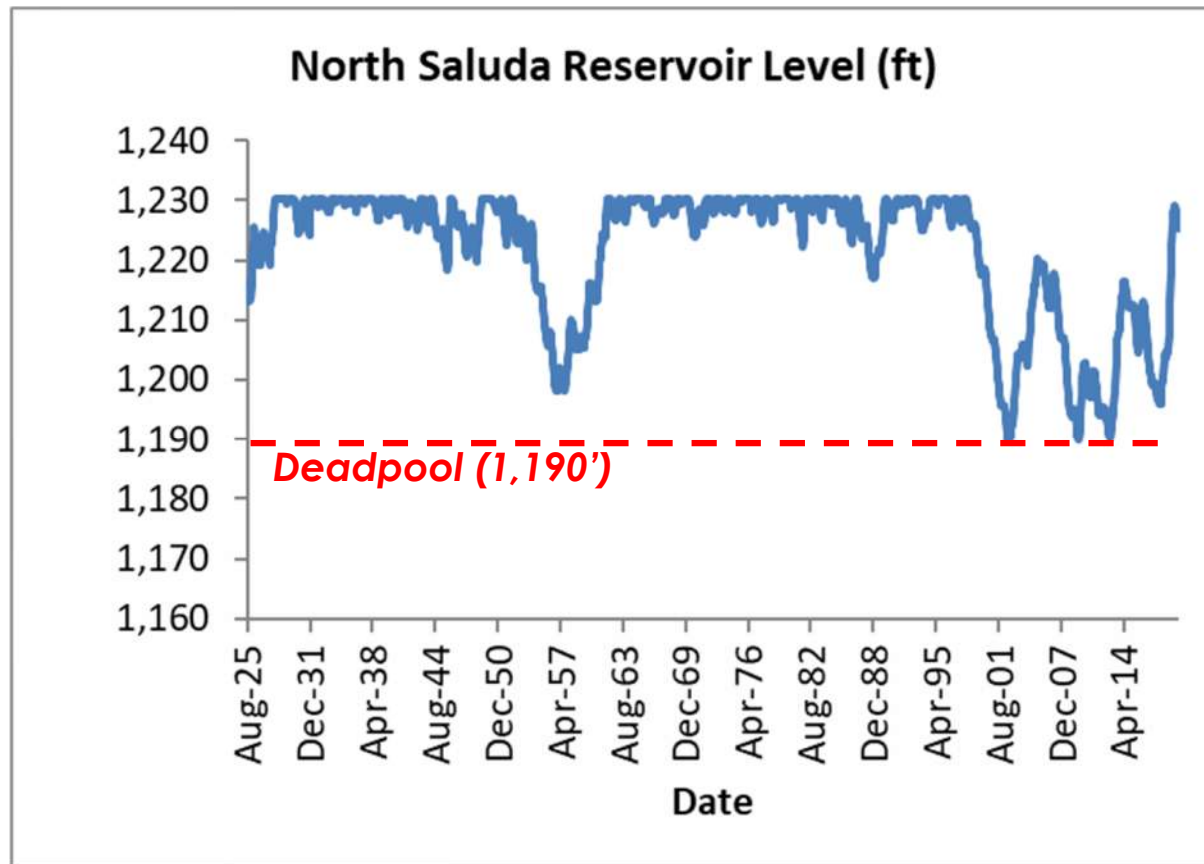
2070 High Demand Scenario



Greenville Water Average
Annual Demand for Saluda Reservoirs **73 MGD**

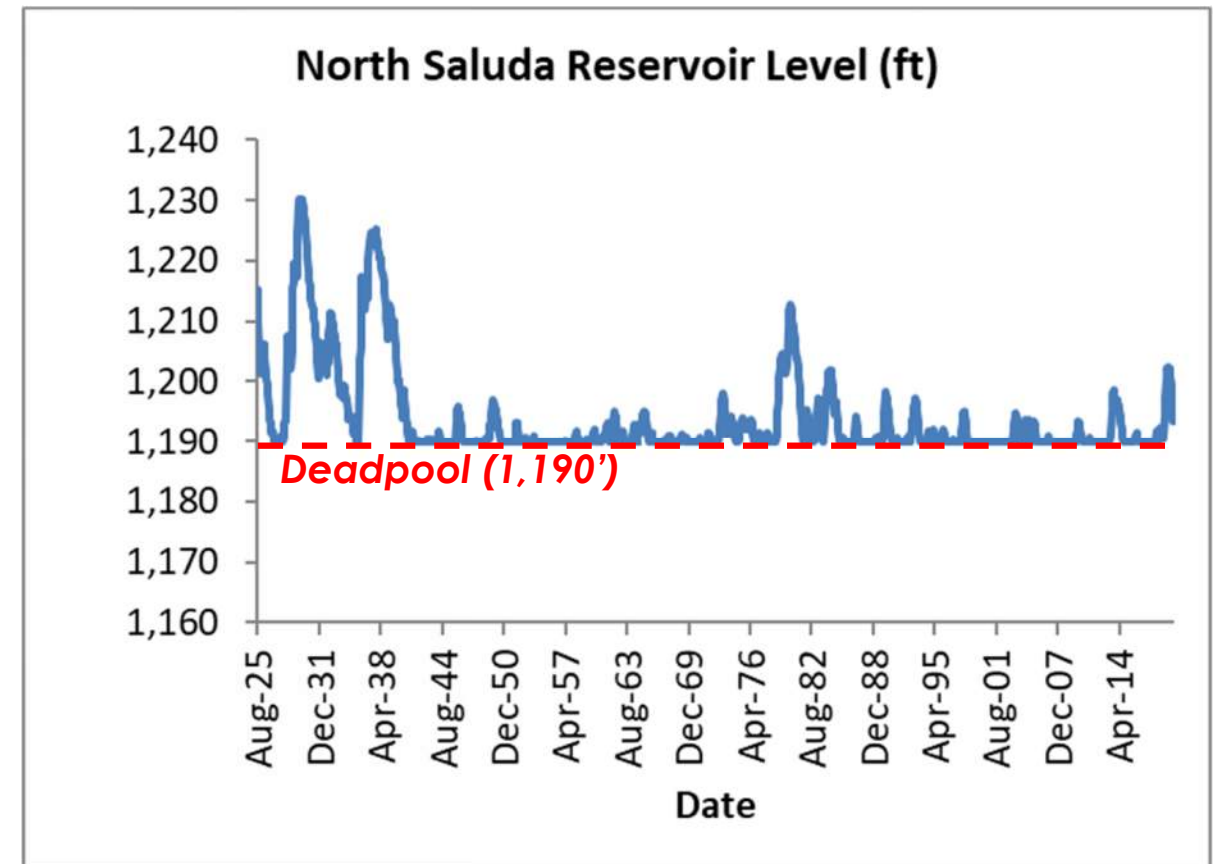
Reservoir Storage – North Saluda Reservoir

Current Use Scenario



Greenville Water Average
Annual Demand for Saluda Reservoirs **35.2 MGD**

2070 High Demand Scenario



Greenville Water Average
Annual Demand for Saluda Reservoirs **73 MGD**

South Saluda River	
2070 Mod	-12.8%
2070 HD	-13.2%

SLD04 Saluda River near Greenville	
2070 Mod	-16.9%
2070 HD	-25.9%

SLD07 Saluda River near Williamston	
2070 Mod	-13.4%
2070 HD	-18.9%

SLD09 Saluda River near Ware Shoals	
2070 Mod	-12.7%
2070 HD	-17.5%

SLD18 Saluda River at Chappells	
2070 Mod	-11.4%
2070 HD	-16.6%

North Saluda River	
2070 Mod	-31.1%
2070 HD	-31.8%

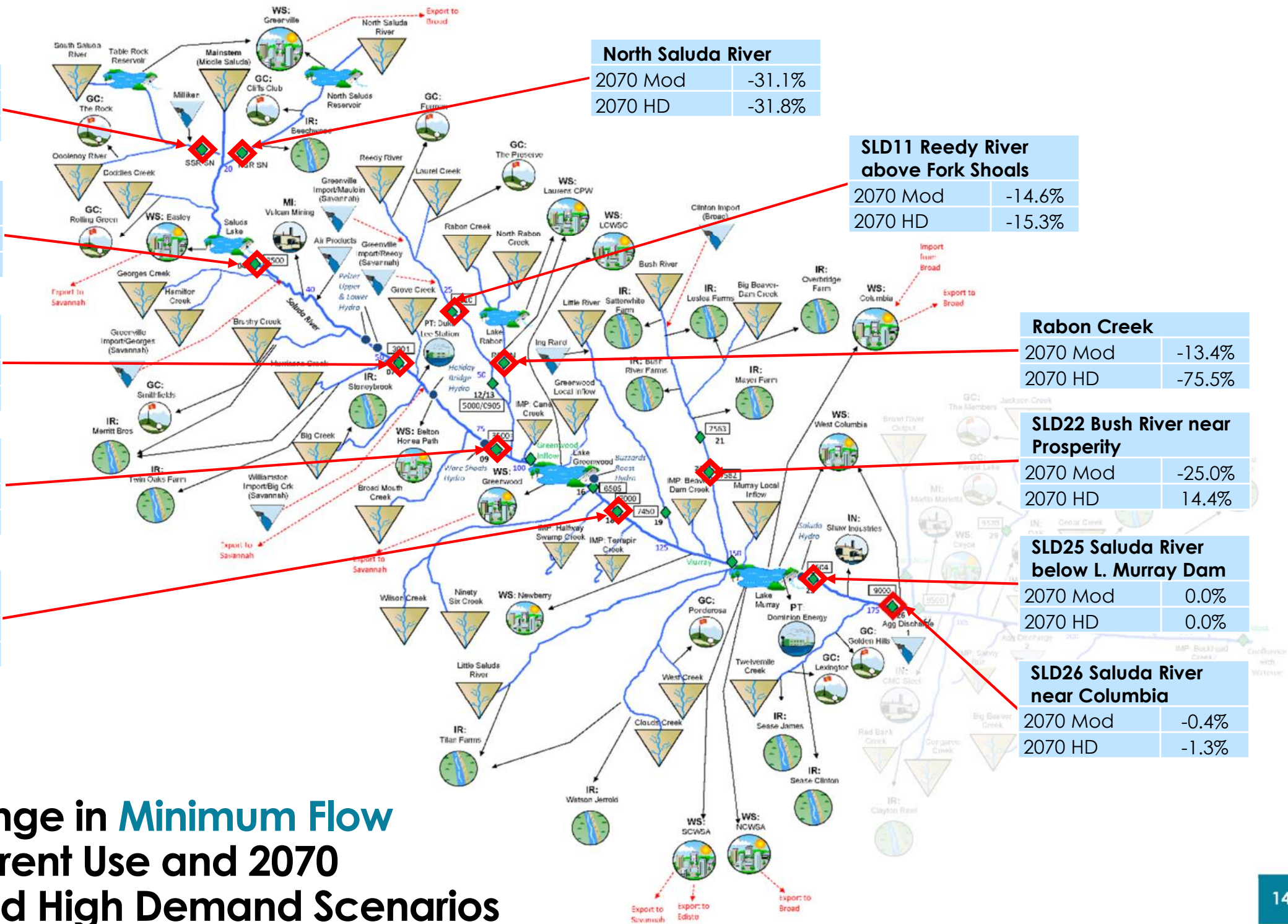
SLD11 Reedy River above Fork Shoals	
2070 Mod	-14.6%
2070 HD	-15.3%

Rabon Creek	
2070 Mod	-13.4%
2070 HD	-75.5%

SLD22 Bush River near Prosperity	
2070 Mod	-25.0%
2070 HD	14.4%

SLD25 Saluda River below L. Murray Dam	
2070 Mod	0.0%
2070 HD	0.0%

SLD26 Saluda River near Columbia	
2070 Mod	-0.4%
2070 HD	-1.3%



Percent Change in Minimum Flow between Current Use and 2070 Moderate and High Demand Scenarios

South Saluda River	
2070 Mod	-2.3%
2070 HD	-3.5%

SLD04 Saluda River near Greenville	
2070 Mod	-2.7%
2070 HD	-6.9%

SLD07 Saluda River near Williamston	
2070 Mod	-0.6%
2070 HD	-3.0%

SLD09 Saluda River near Ware Shoals	
2070 Mod	-2.0%
2070 HD	-3.4%

SLD18 Saluda River at Chappells	
2070 Mod	-1.2%
2070 HD	-3.9%

North Saluda River	
2070 Mod	-5.0%
2070 HD	-5.7%

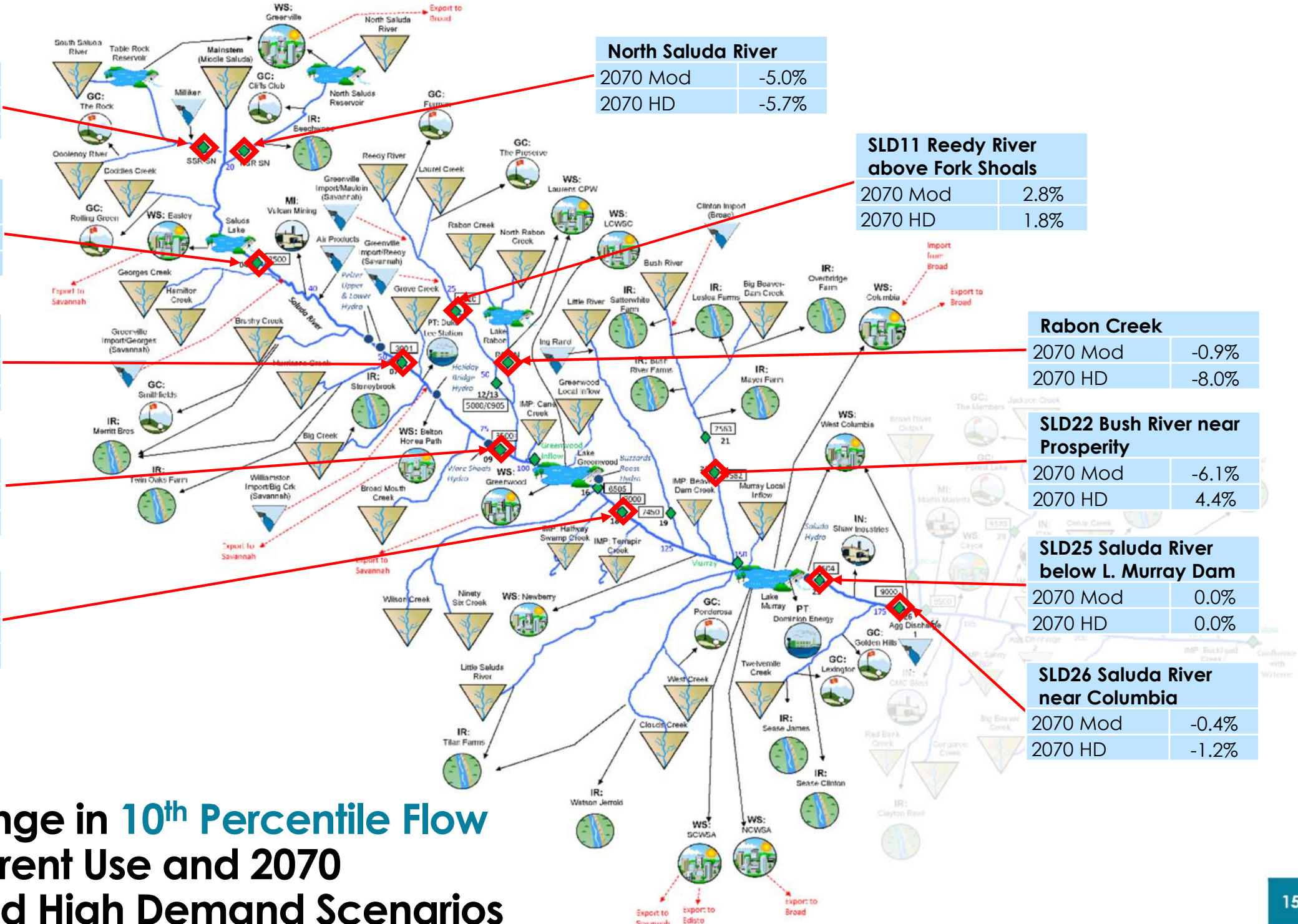
SLD11 Reedy River above Fork Shoals	
2070 Mod	2.8%
2070 HD	1.8%

Rabon Creek	
2070 Mod	-0.9%
2070 HD	-8.0%

SLD22 Bush River near Prosperity	
2070 Mod	-6.1%
2070 HD	4.4%

SLD25 Saluda River below L. Murray Dam	
2070 Mod	0.0%
2070 HD	0.0%

SLD26 Saluda River near Columbia	
2070 Mod	-0.4%
2070 HD	-1.2%



Percent Change in 10th Percentile Flow between Current Use and 2070 Moderate and High Demand Scenarios