



GreenvilleWater

Release Criteria

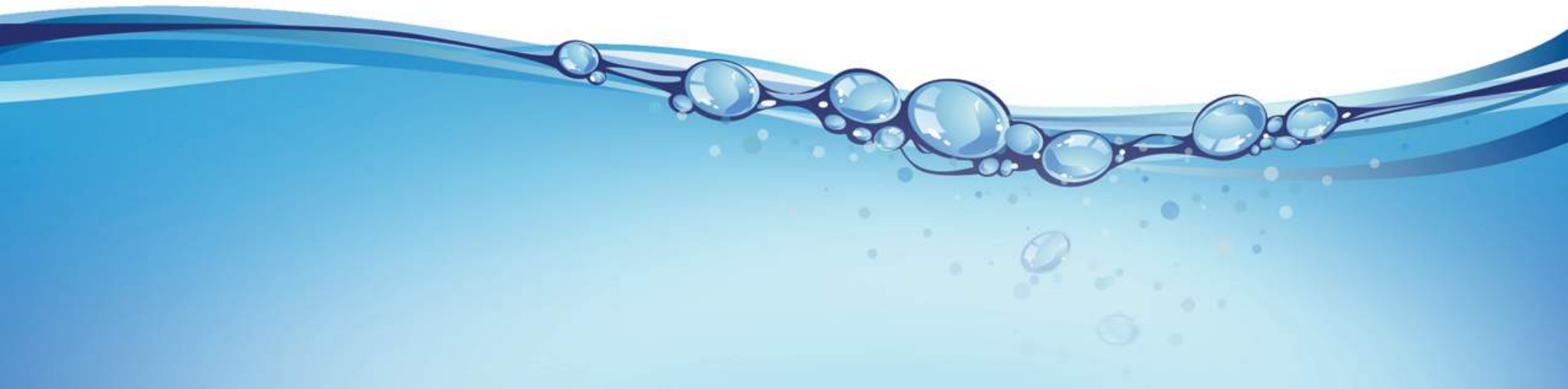


Table Rock Reservoir

Built in 1925 on South Saluda River and put into service in 1930

Protected by a conservation easement through The Nature Conservancy

30-inch water main ~30 miles long constructed to bring this water to Greenville, a second built by the mid-1930s. One 30-inch line replaced in 2011 with a 42-inch line.

These facilities, along with the #6 storage reservoir, were sufficient to supply the Greenville area until the early 1960's

9,000 acres

Storage volume of 9.52 billion gallons

24 MGD by gravity

32 MGD by pumping

North Saluda Reservoir

Completed in 1961 on the
North Saluda River

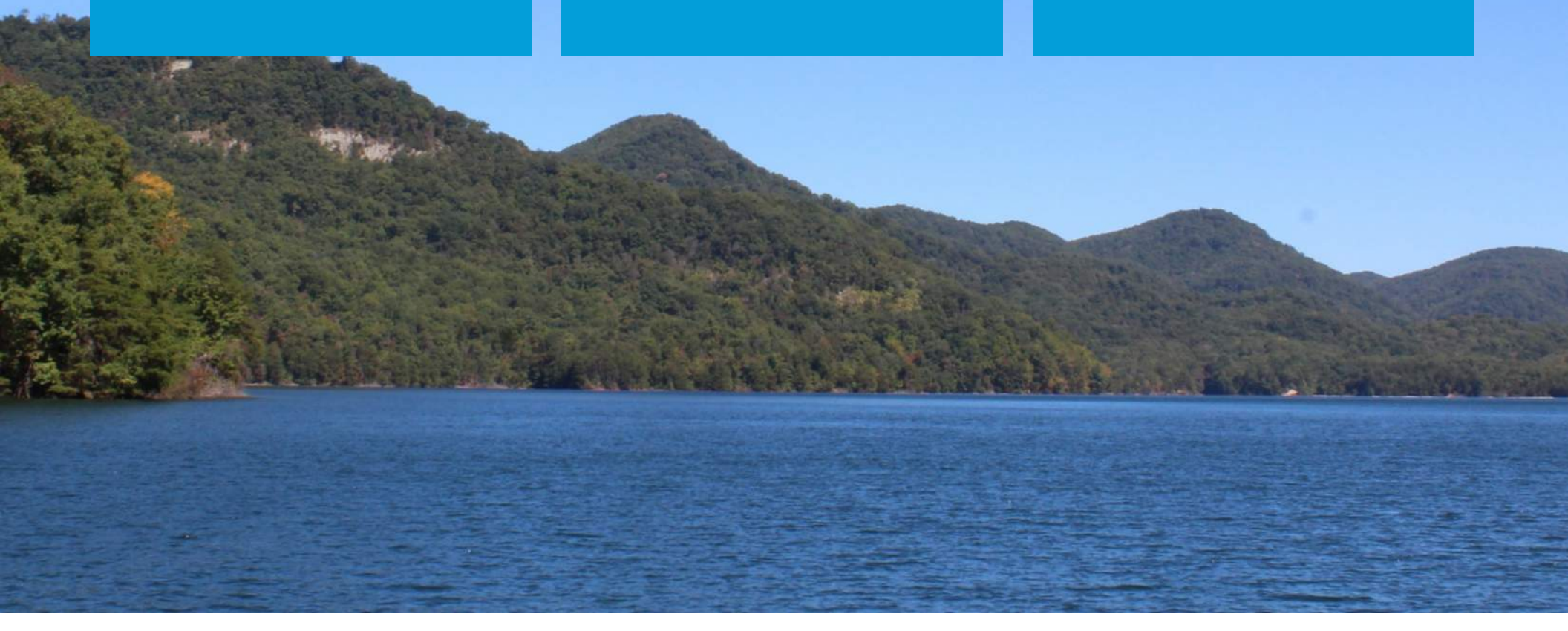
Protected by a conservation
easement through The Nature
Conservancy

18,000 acres

Storage volume of 25 billion
gallons

24 MGD by gravity

62 MGD by pumping



Priorities

Primary goal is to maintain an adequate drinking water supply for our customers

Balance this with protecting the downstream environmental habitats and other stakeholders



Sufficient Water Supply

Manage releases to stay within a tight window at both reservoirs in order to create a buffer for excess rainfall and maintain adequate drinking water supply

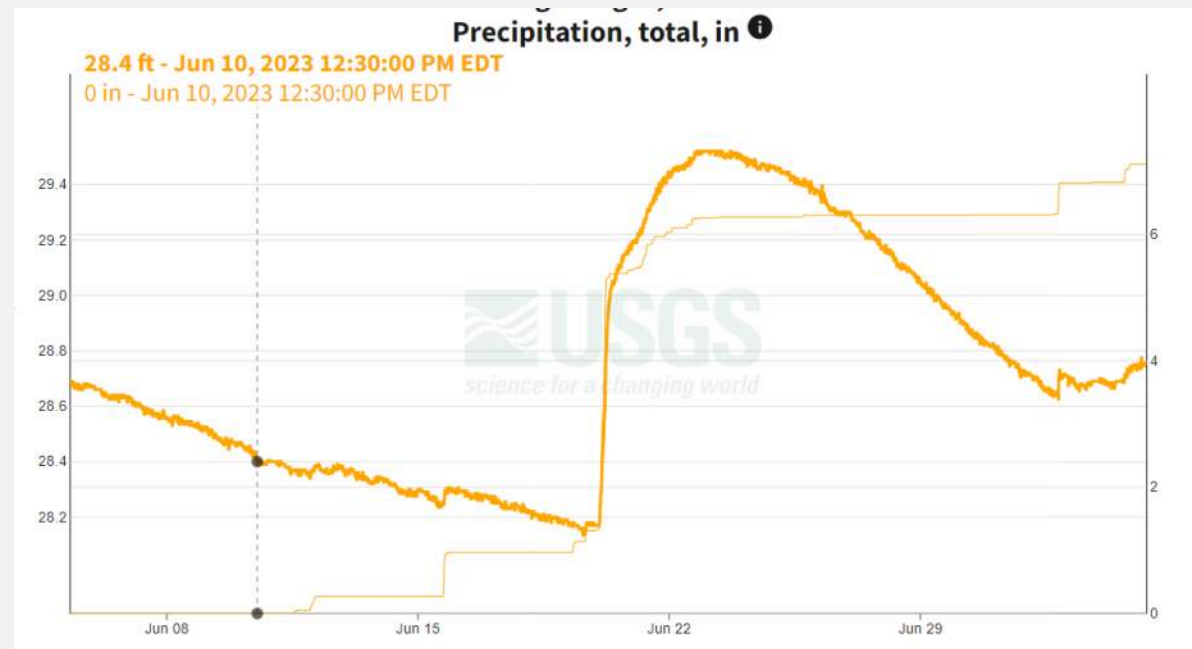
Maintain Table Rock within 2 feet of spill way elevation of 1250 ft MSL

Maintain North Saluda withing 2 foot of spillway elevation of 1230 ft MSL

Importance of Buffered Elevation

Reservoirs have ability to hold major rainfall events without damaging down stream locations

June rainfall event with 7 plus inches of rain did not create any flood warnings below dams



Importance of Buffered Elevation

Keep water from going over spill way

This enables Greenville
Water to release colder water
down stream

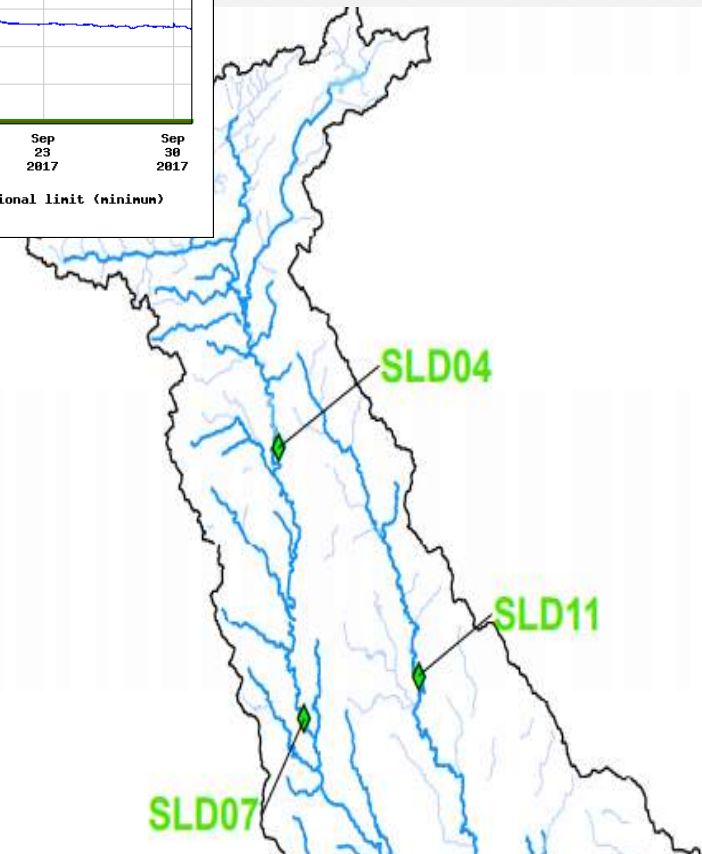
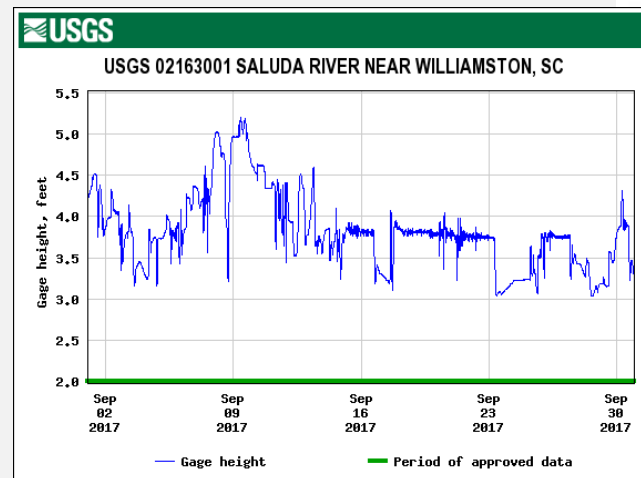
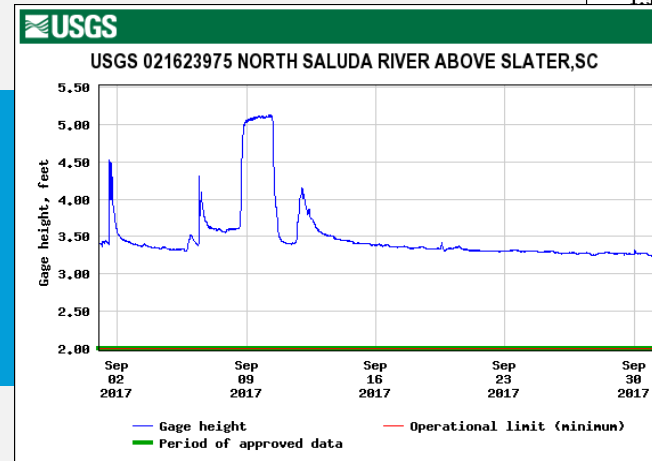
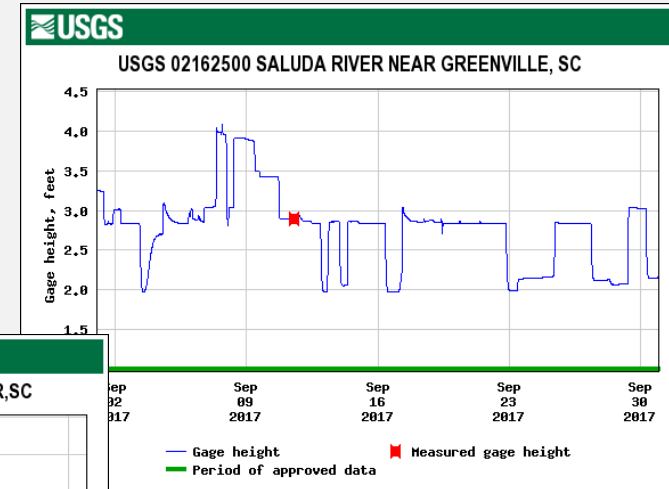
Releases are not from surface



Water Resources Model

Utilized to predict climatological and specific weather events

Utilized during major events to minimize effects downstream





Questions?

QUALITY
WATER



SUSTAINABLE
FUTURE

GreenvilleWater