

Savannah River Release Response

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Water Supply and Treatment Director



Purpose

To satisfy a 2015 Facilities Disposition
and Site Remediation (FD&SR)
Committee Work Plan topic.

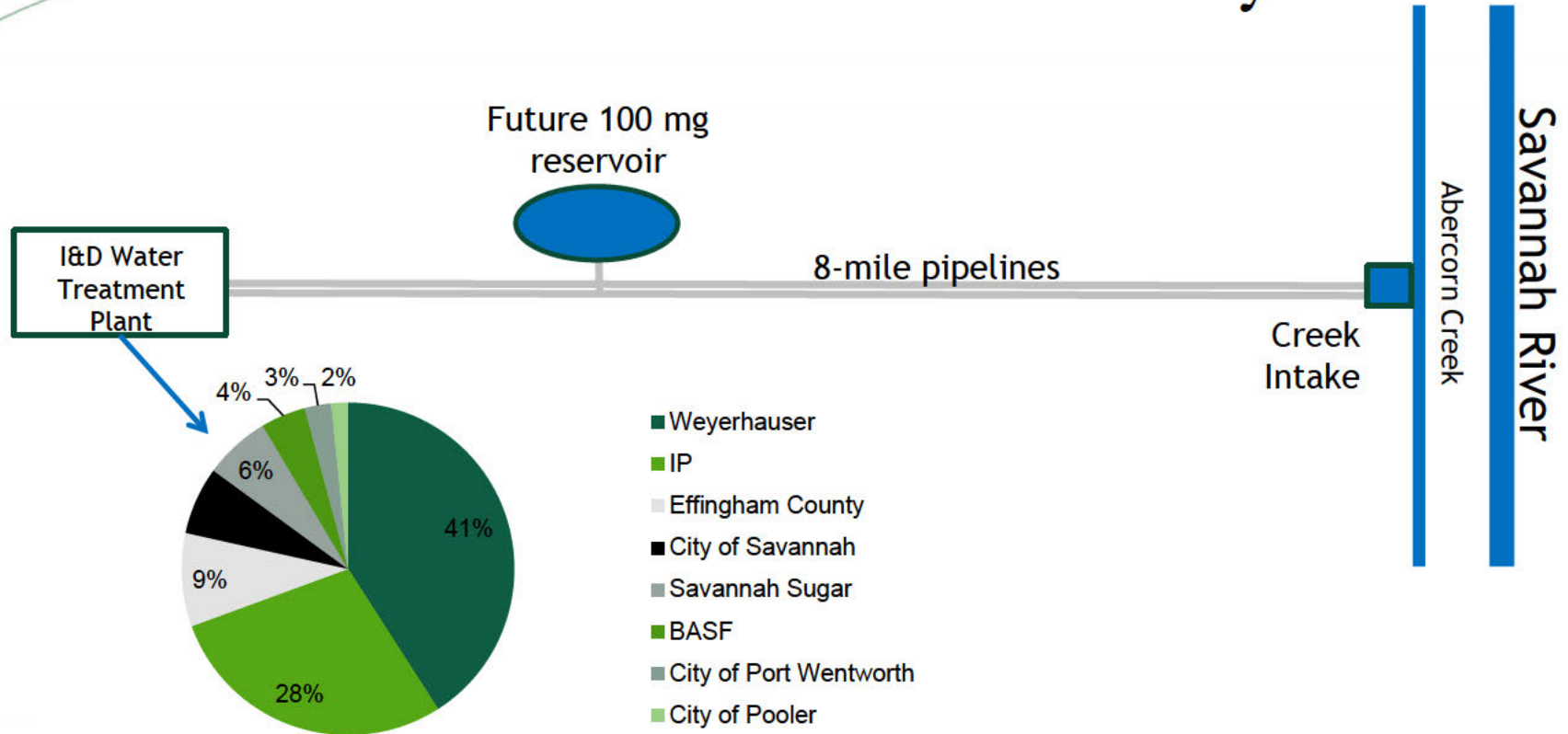


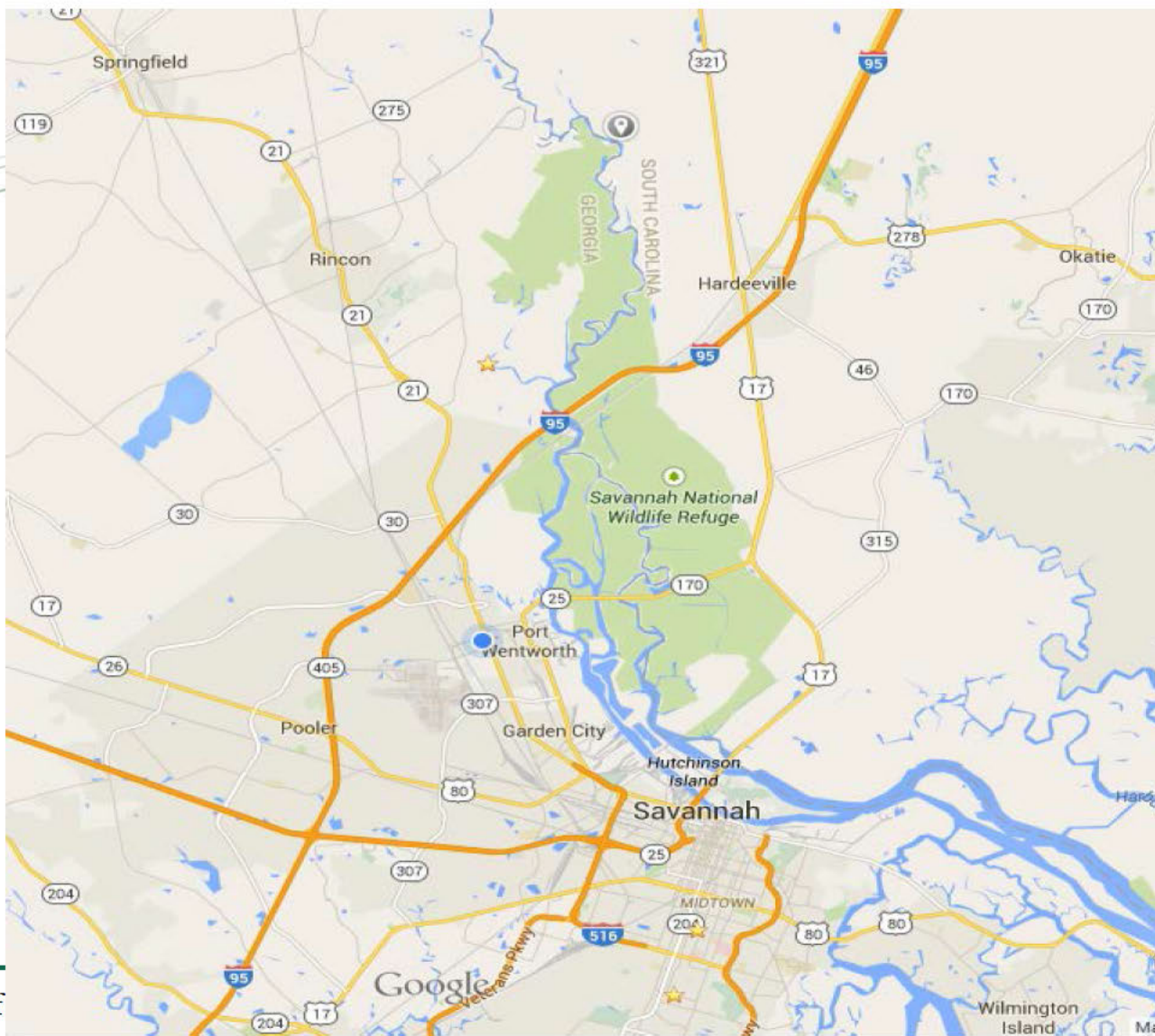
City of Savannah Water Supply

- Groundwater system - 50 wells
- Surface water system - Industrial and Domestic Water Treatment Plant (I&D)
 - 60 million gallons per day capacity
 - Service population of ~40,000
 - Wholesaler

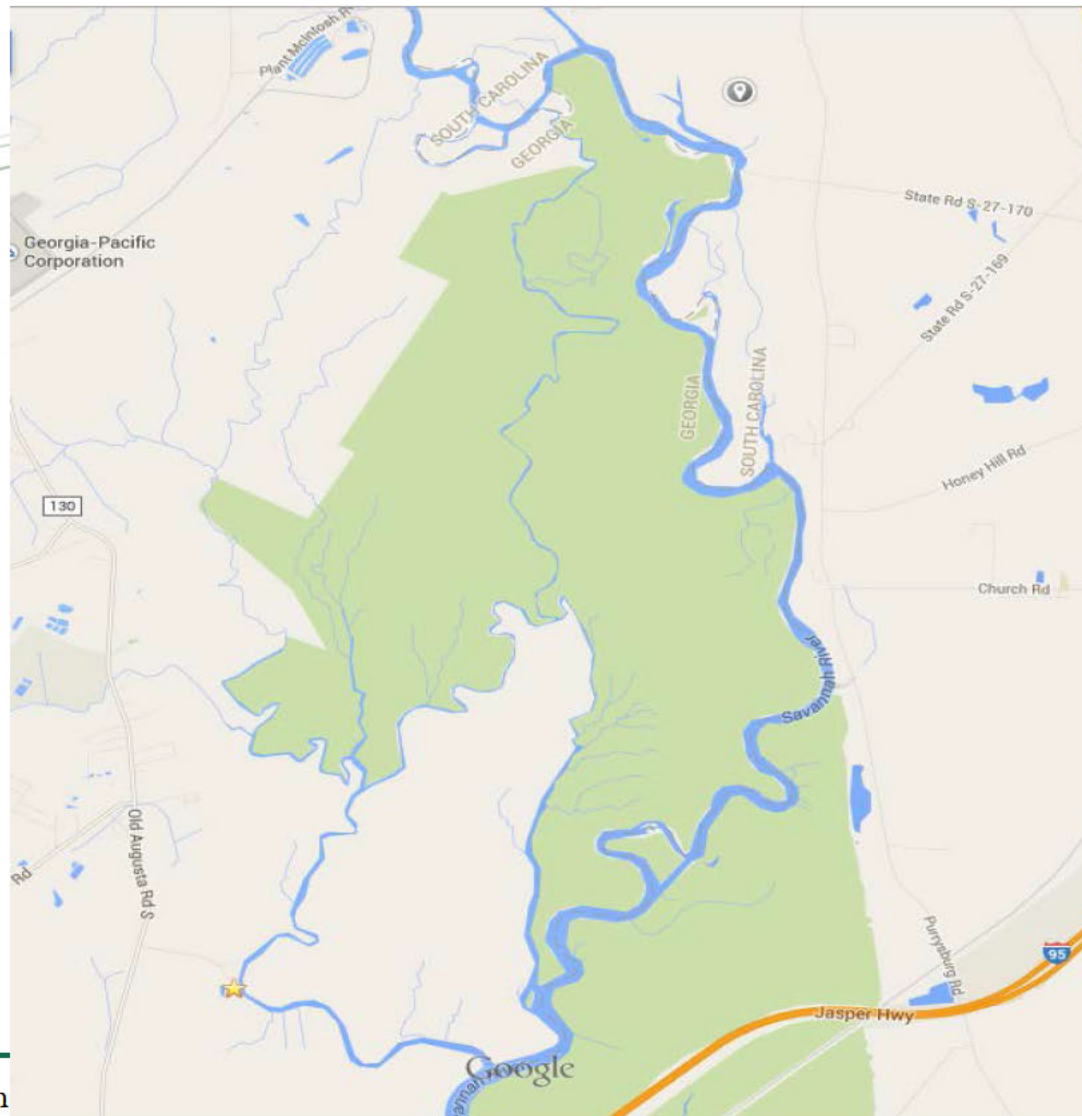


I&D Water System



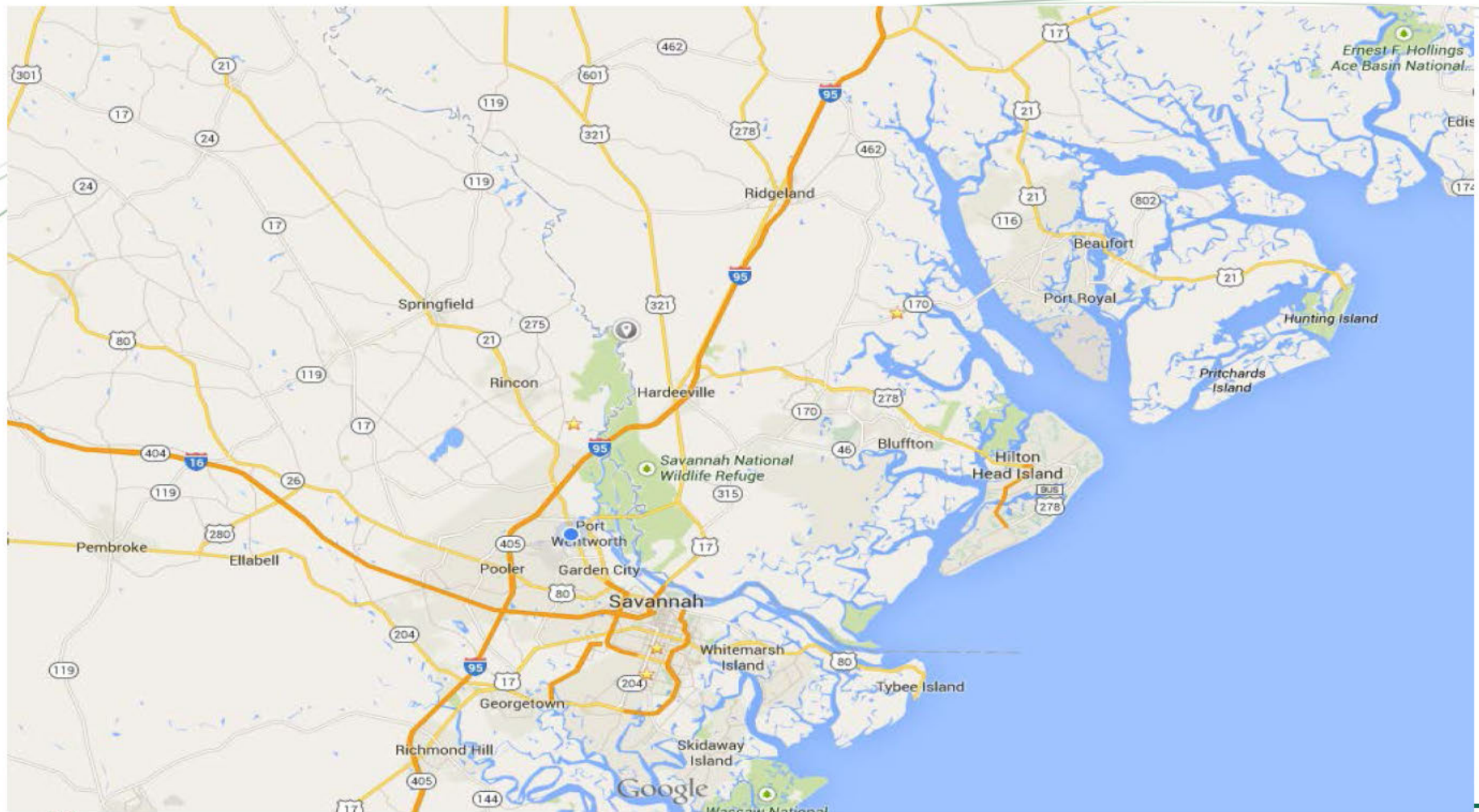


City of



Savannah River at Bear Creek





Tritium Monitoring

- Daily sample collection from Burtons Ferry - Highway 301 bridge.
 - Three days warning
- Daily raw water in-house composite sampling since 1992.



Release Event

- Use release information to determine treatment options.
 - If possible, treat accordingly
- Currently no off stream storage to bypass release event.
 - Future off stream storage has ~3 day storage
- No tritium mitigation process available.



Release Event Customer Notification

- Direct notification of industrial and municipal customers.
- In 1991 release event, paper mills continued operations, but Savannah Sugar shut down.
- Municipal wholesale customers make decision about notification or advisory to their retail customers.



Questions?

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