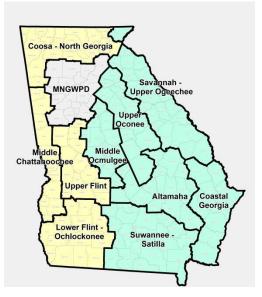
Joint Council Meeting #1 – Eastern Councils Thursday, June 23, 2016

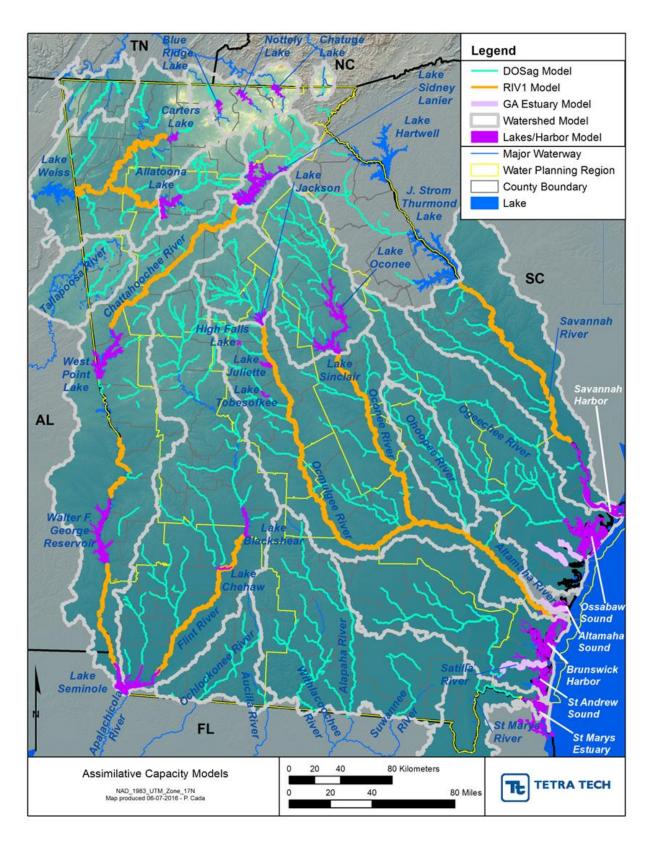
Dubose Porter Center Oconee Fall Line Technical College 560 Pinehill Road Dublin, GA 31021



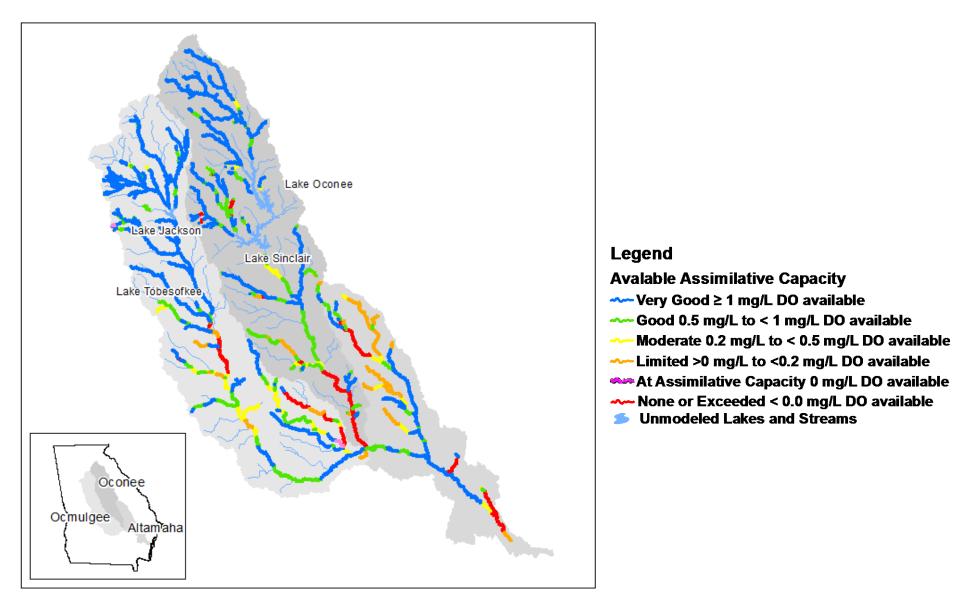
Joint Council Breakout Sessions: Resource Assessments and Joint Topics

Session A Handouts

Altamaha, Middle Ocmulgee, and Upper Oconee Councils + members of Suwannee- Satilla Council

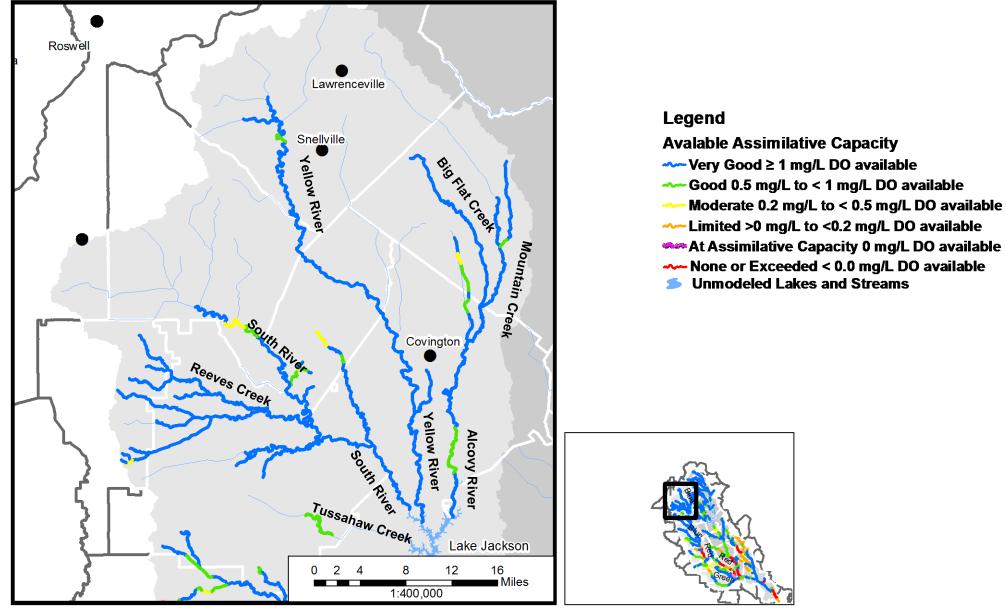


2016 CURRENT ASSIMILATIVE CAPACITY ASSESSMENT

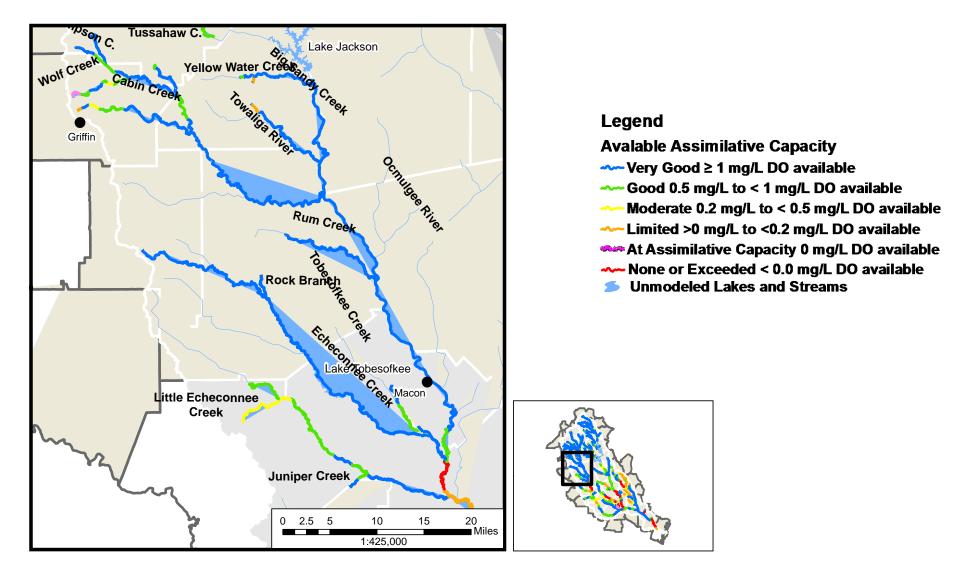


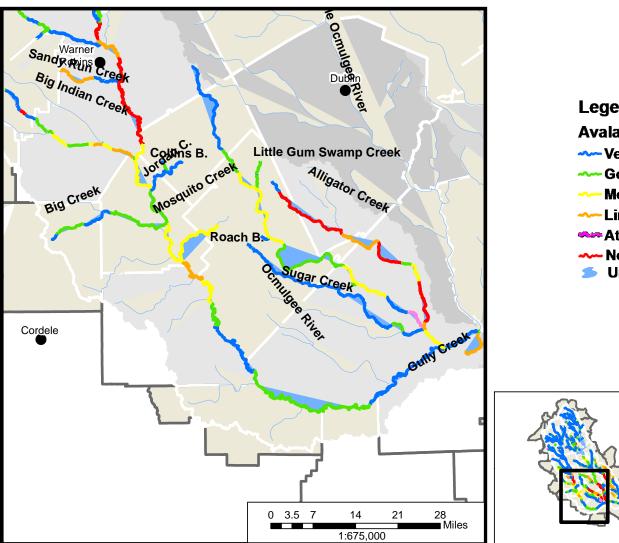
OCONEE, OCMULGEE, AND ALTAMAHA GA DOSAG AND GA ESTUARY MODEL RESULTS

OCMULGEE GA DOSAG MODEL RESULTS



OCMULGEE GA DOSAG MODEL RESULTS

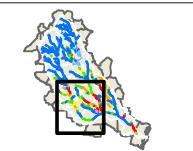




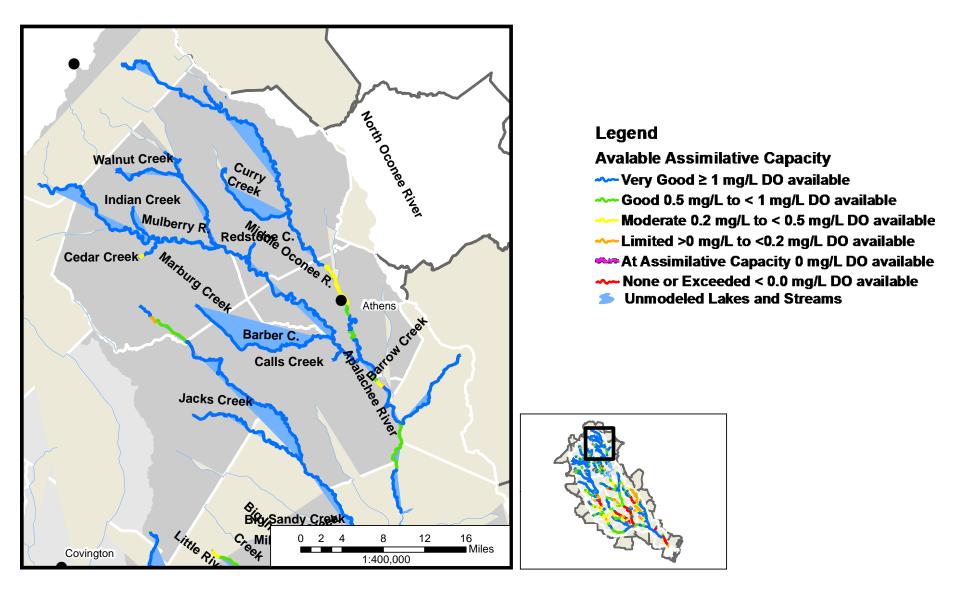
OCMULGEE GA DOSAG MODEL RESULTS

Legend

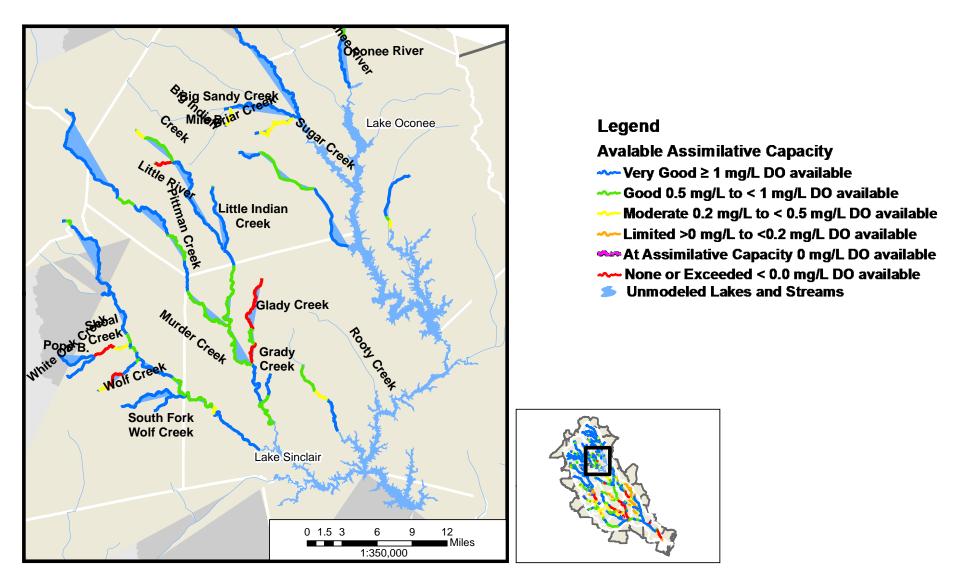
Avalable Assimilative Capacity ----- Very Good ≥ 1 mg/L DO available ---- Good 0.5 mg/L to < 1 mg/L DO available Moderate 0.2 mg/L to < 0.5 mg/L DO available ---- Limited >0 mg/L to <0.2 mg/L DO available At Assimilative Capacity 0 mg/L DO available ---- None or Exceeded < 0.0 mg/L DO available Unmodeled Lakes and Streams



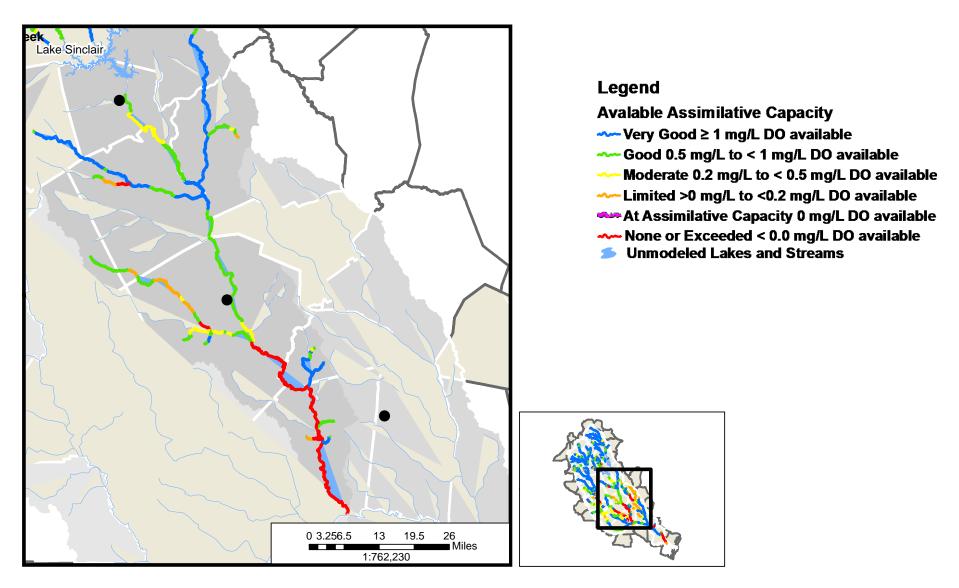
OCONEE GA DOSAG MODEL RESULTS



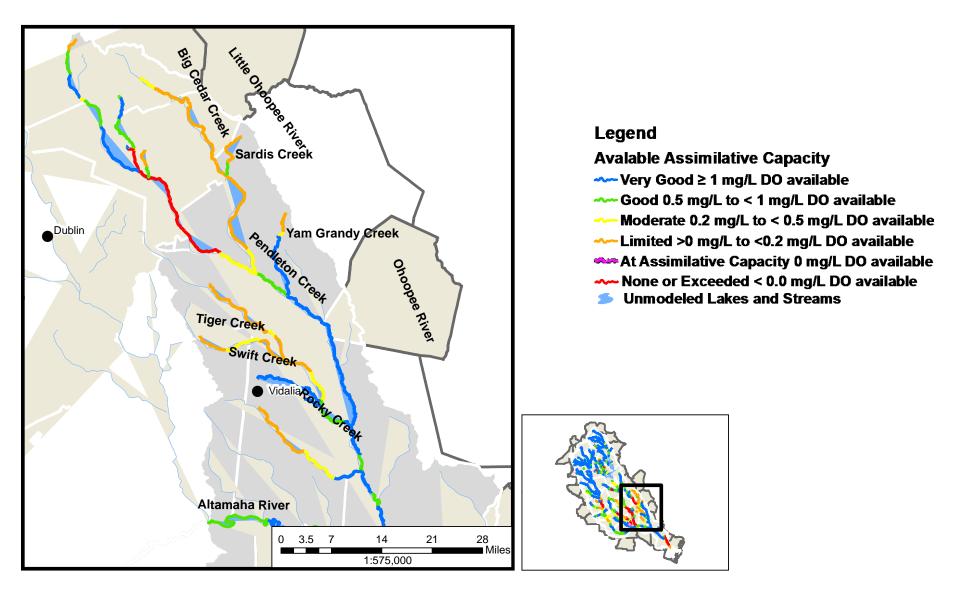
OCONEE GA DOSAG MODEL RESULTS

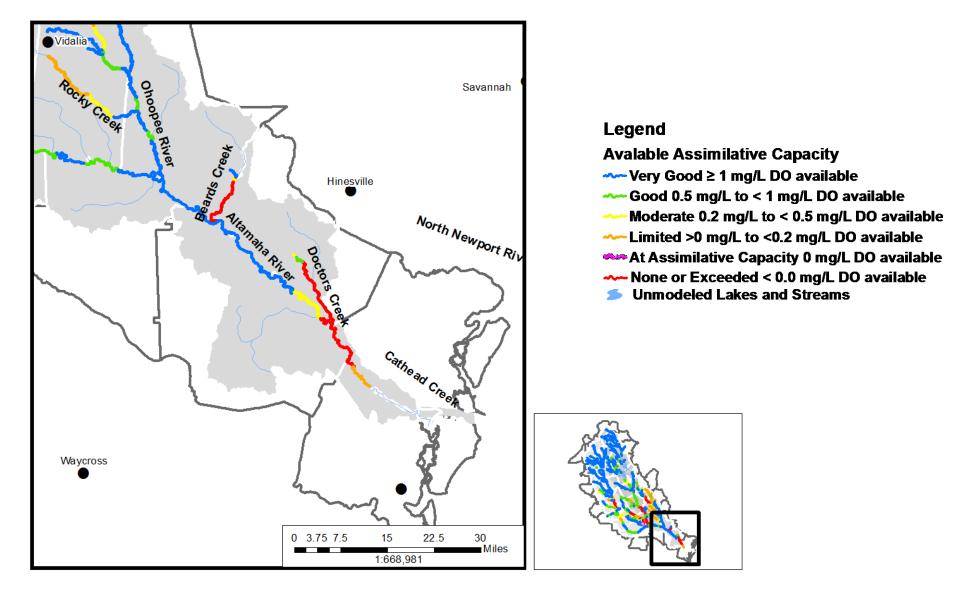


OCONEE GA DOSAG MODEL RESULTS

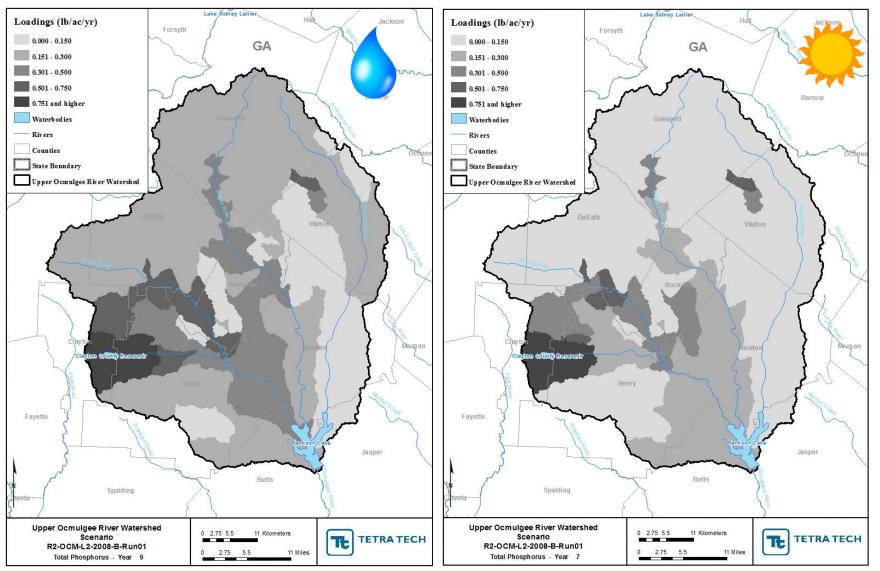


ALTAMAHA GA DOSAG MODEL RESULTS

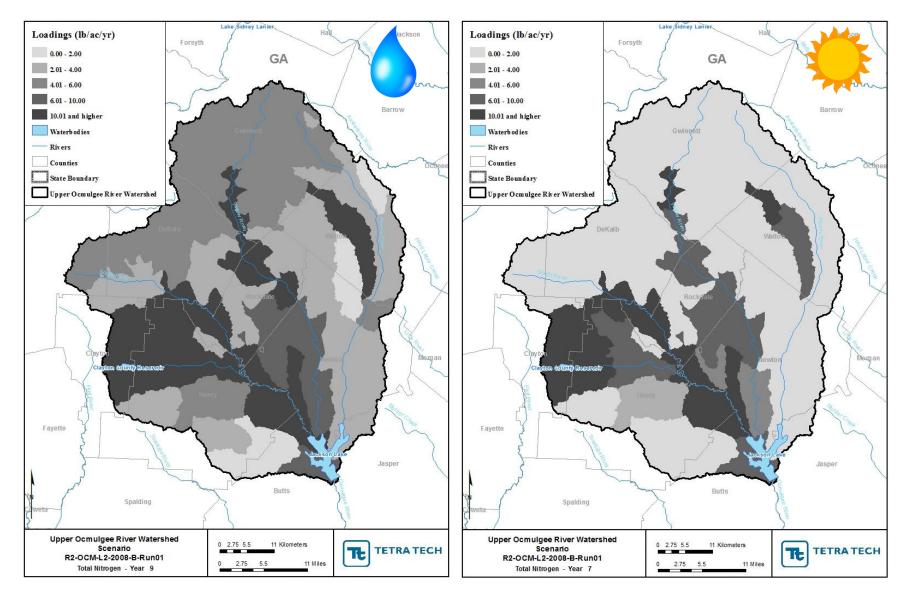




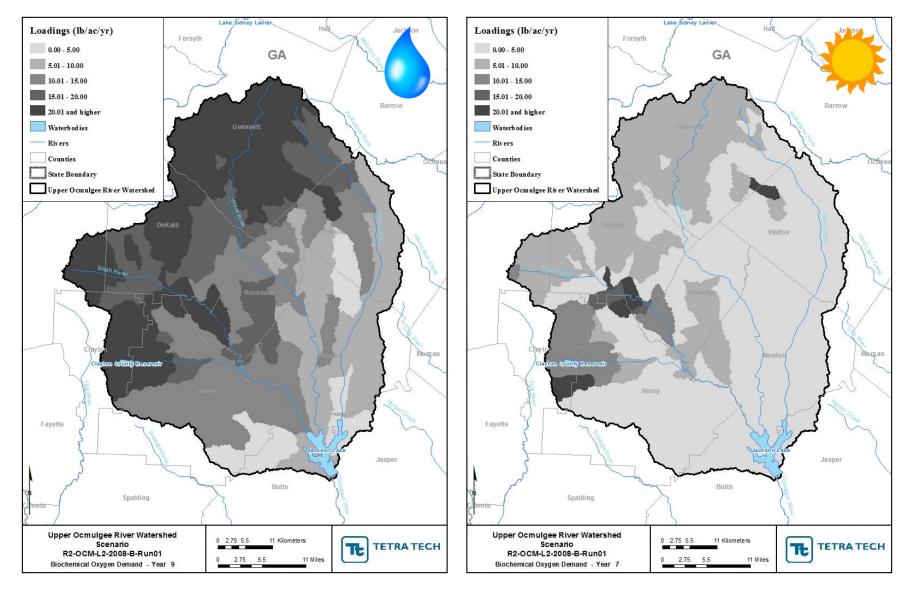
ALTAMAHA GA DOSAG AND GA ESTUARY MODEL RESULTS



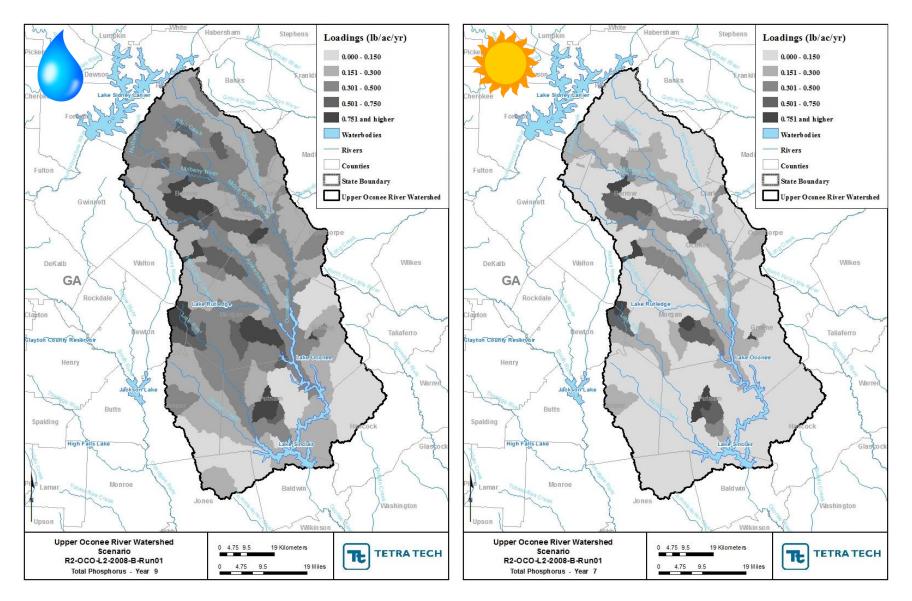
UPPER OCMULGEE TOTAL P HEAT MAPS



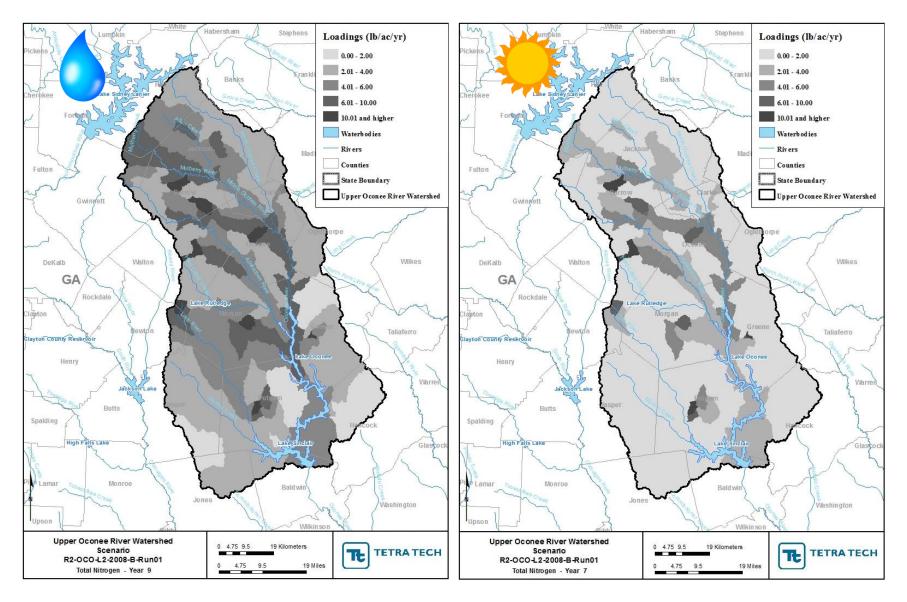
UPPER OCMULGEE TOTAL N HEAT MAPS



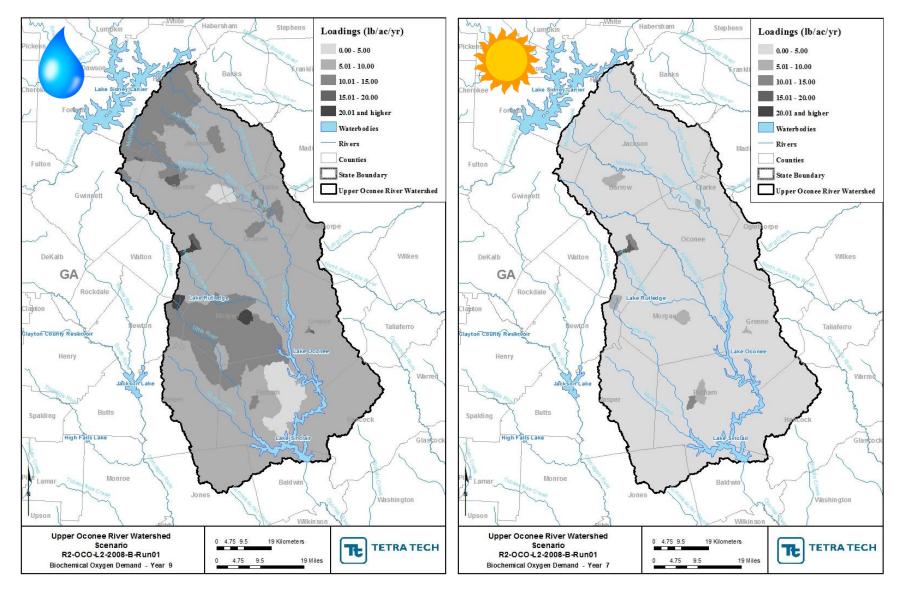
UPPER OCMULGEE BOD HEAT MAPS



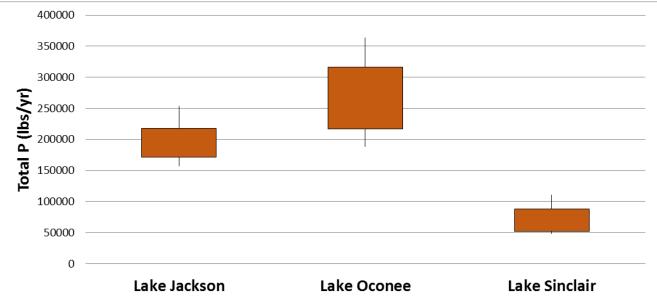
UPPER OCONEE TOTAL P HEAT MAPS



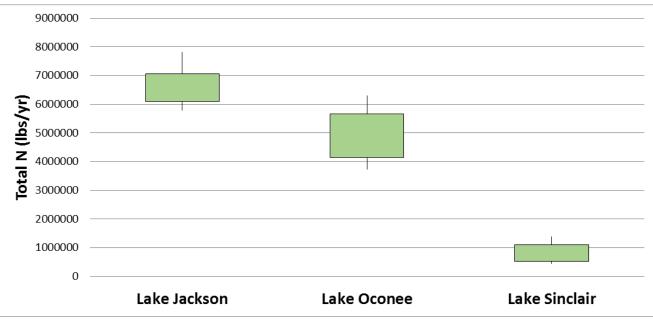
UPPER OCONEE TOTAL N HEAT MAPS



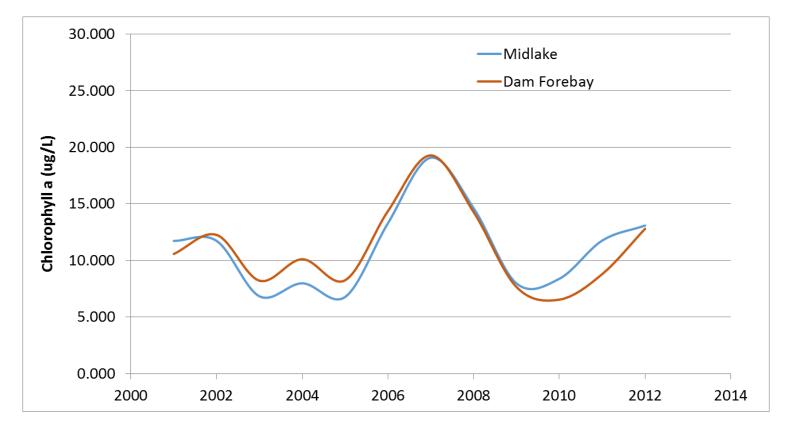
UPPER OCONEE BOD HEAT MAPS



LAKE NUTRIENT LOADS (lbs/yr)



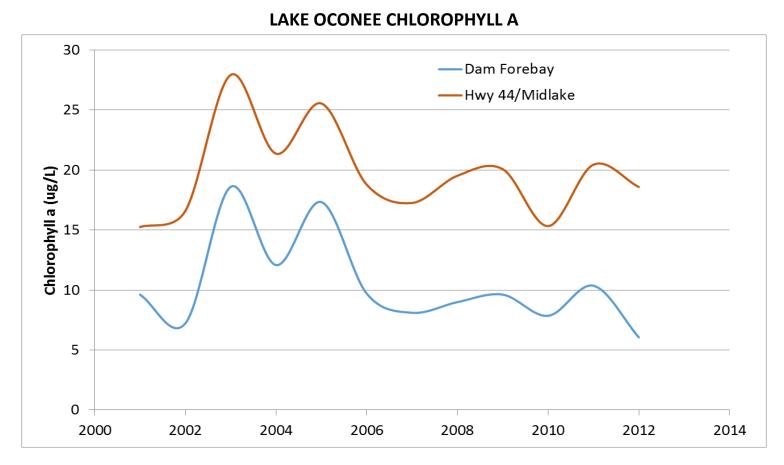
Results presented are DRAFT and are subject to change.



LAKE JACKSON CHLOROPHYLL A

Growing Season Average Total N – 4.0 mg/L

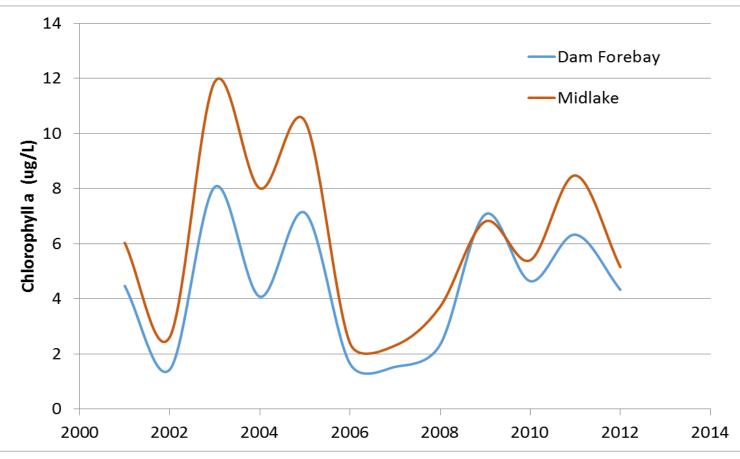
Growing Season Average Total P – 0.12 mg/L



Growing Season Average Total N – 1.6 mg/L

Growing Season Average Total P – 0.07 mg/L

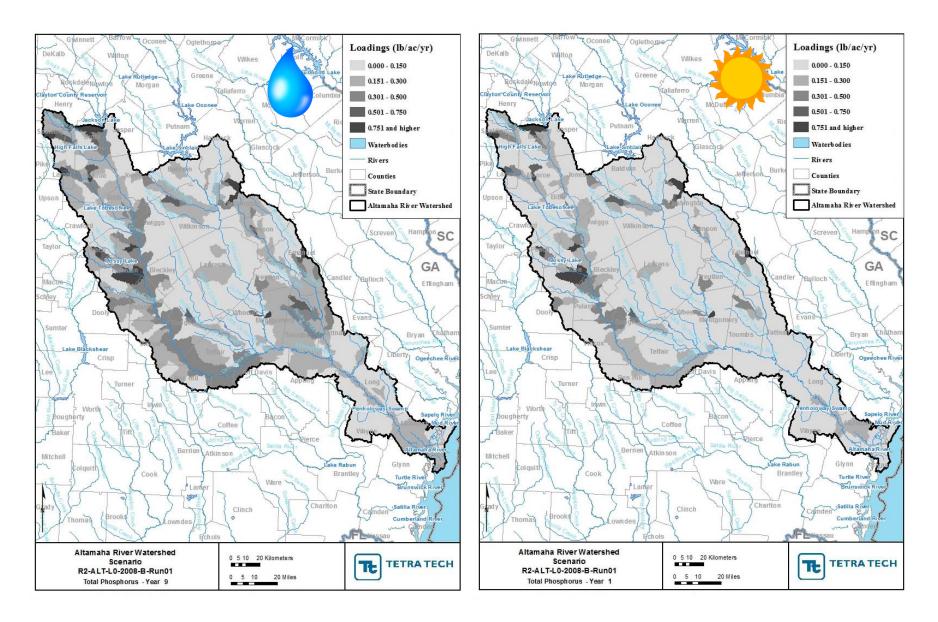
LAKE SINCLAIR CHLOROPHYLL A

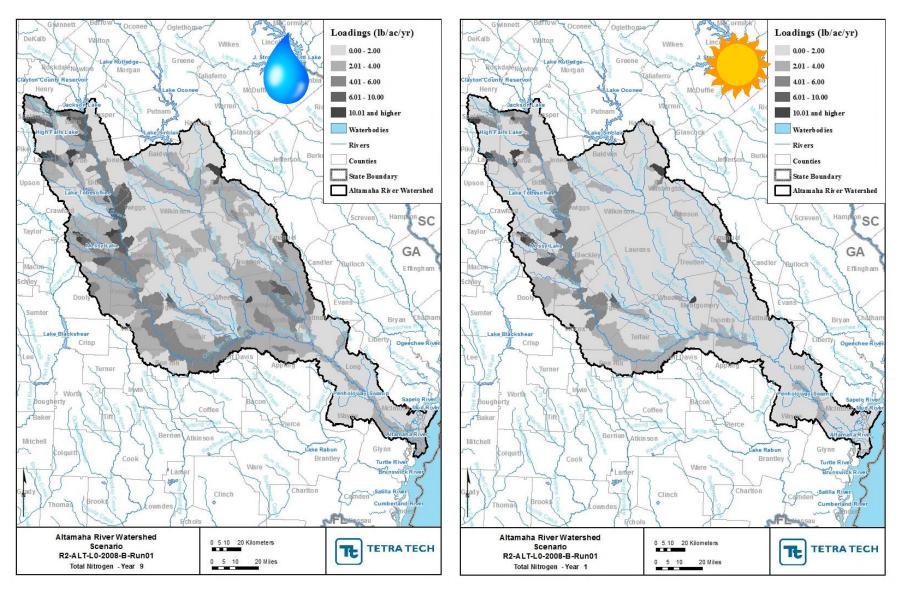


Growing Season Average Total N – 0.8 mg/L

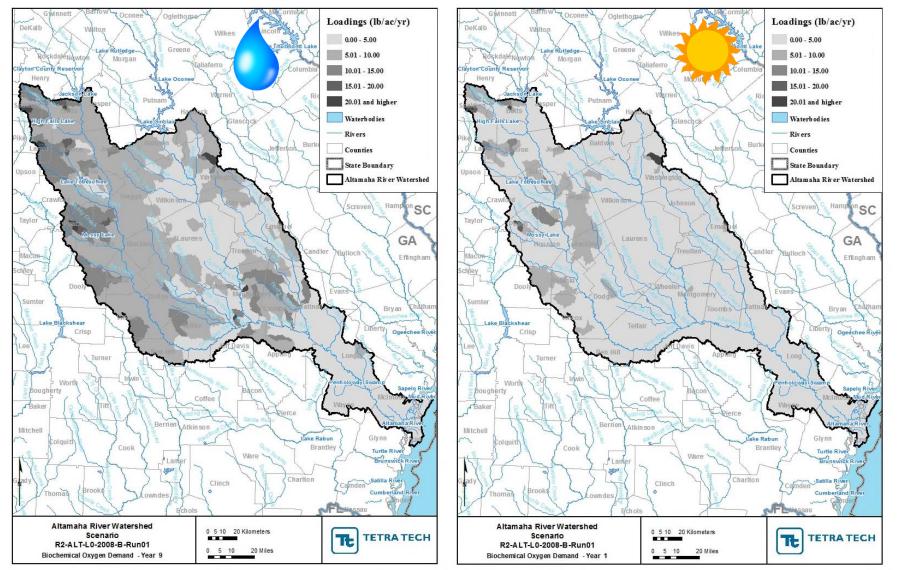
Growing Season Average Total P – 0.07 mg/L

ALTAMAHA TOTAL P HEAT MAPS

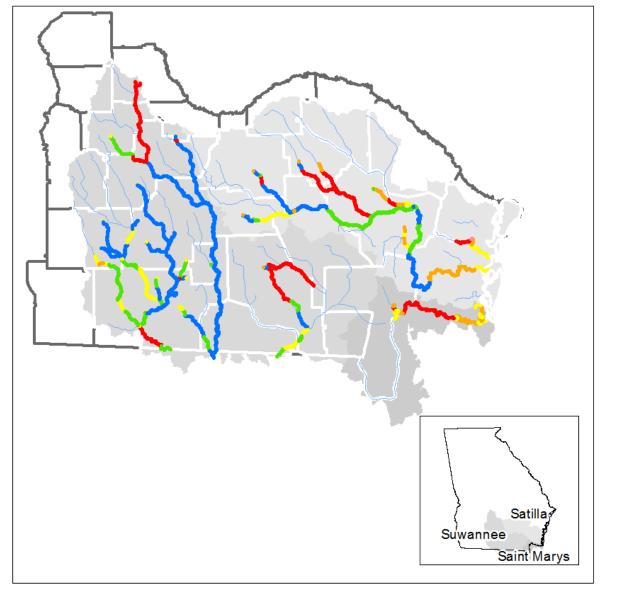




ALTAMAHA TOTAL N HEAT MAPS



ALTAMAHA BOD HEAT MAPS

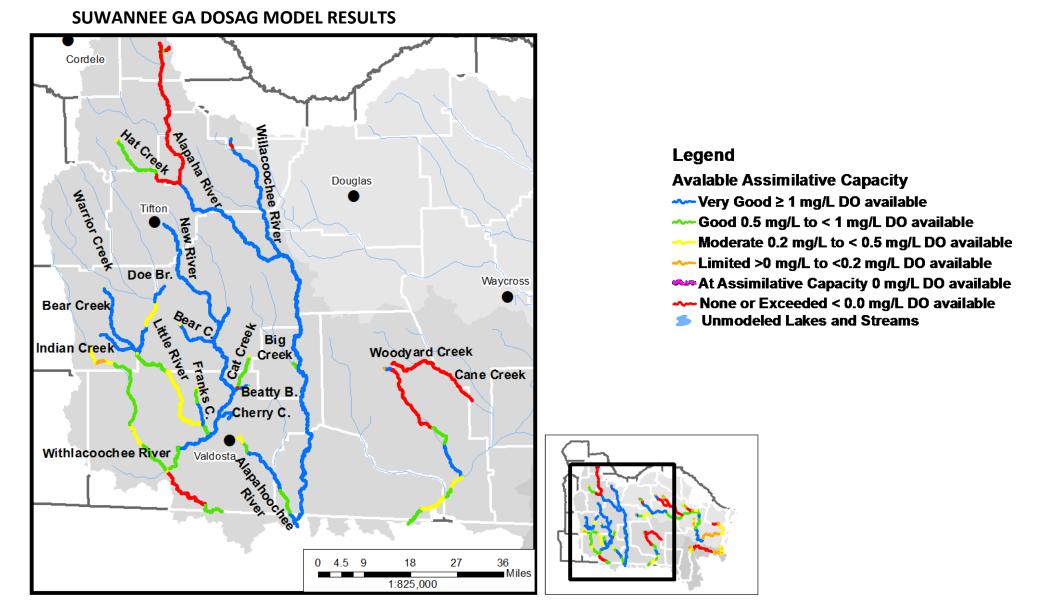


SUWANNEE, SATILLA, ST MARYS GA DOSAG AND GA ESTUARY MODEL RESULTS

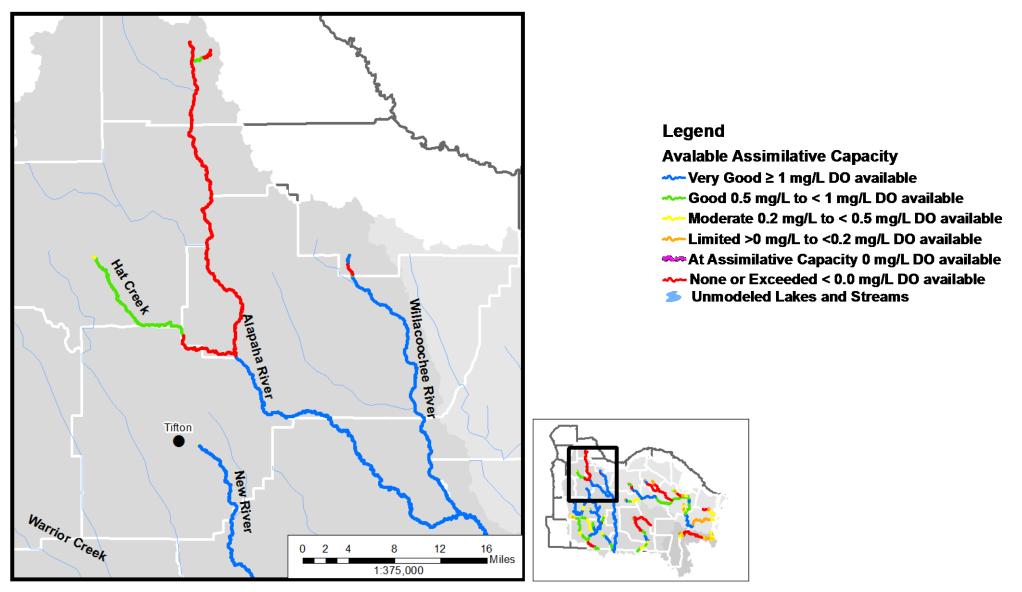
Legend

Avalable Assimilative Capacity

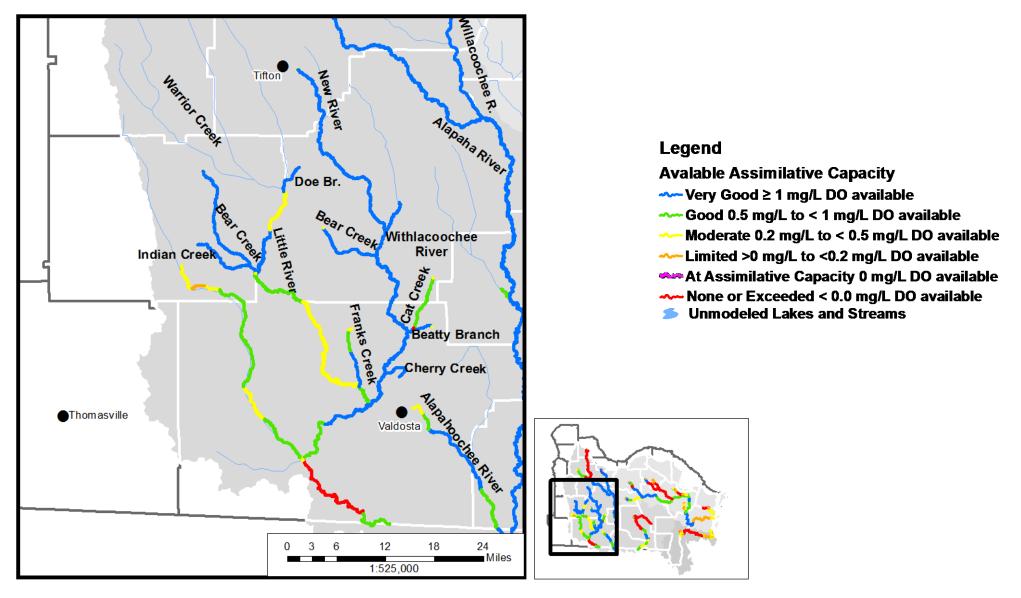
- ----Very Good ≥ 1 mg/L DO available
- ---- Good 0.5 mg/L to < 1 mg/L DO available
- ---- Moderate 0.2 mg/L to < 0.5 mg/L DO available
- Limited >0 mg/L to <0.2 mg/L DO available</p>
- At Assimilative Capacity 0 mg/L DO available
- ---- None or Exceeded < 0.0 mg/L DO available
- Unmodeled Lakes and Streams

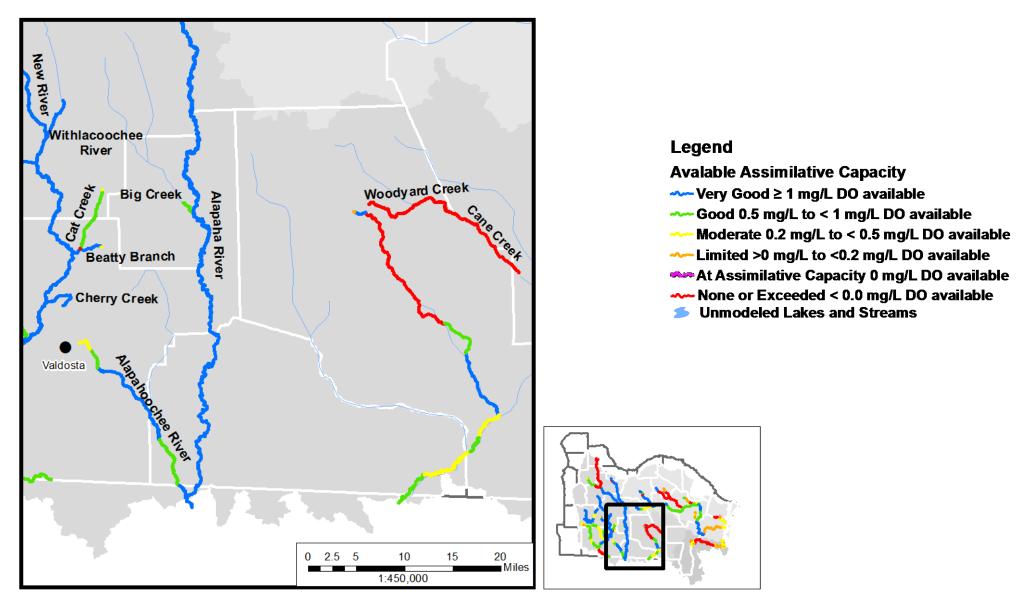


SUWANNEE GA DOSAG MODEL RESULTS

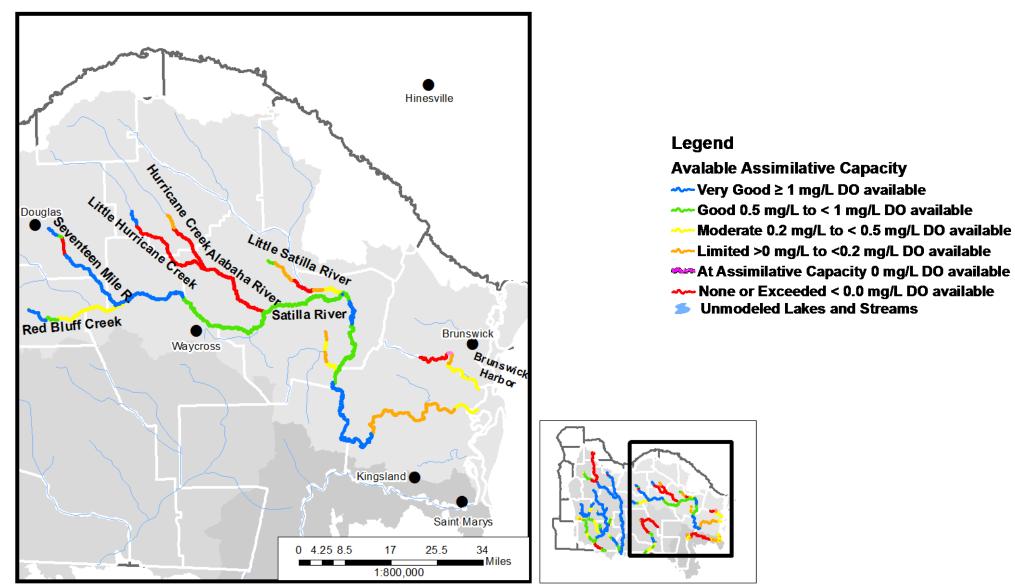


SUWANNEE GA DOSAG MODEL RESULTS

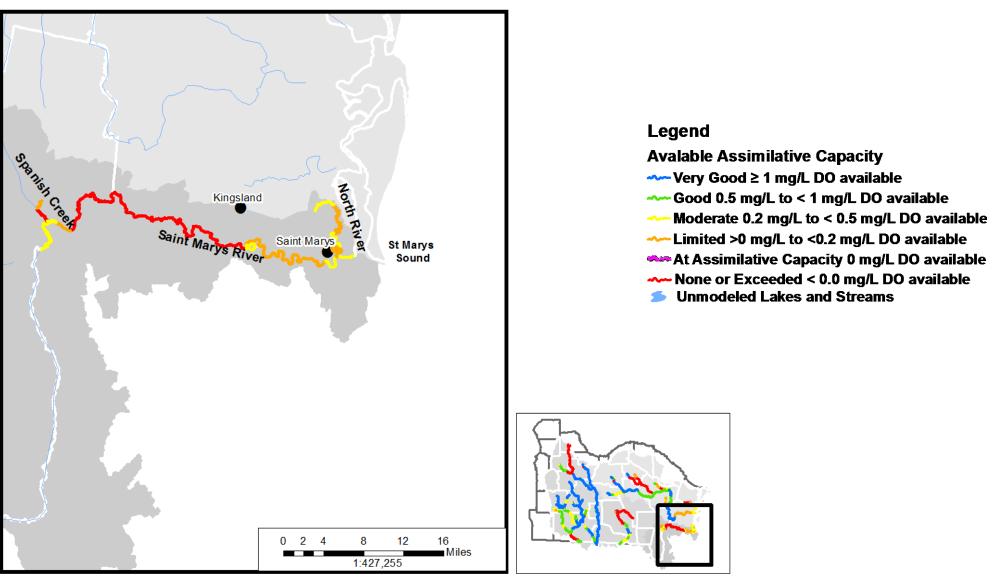




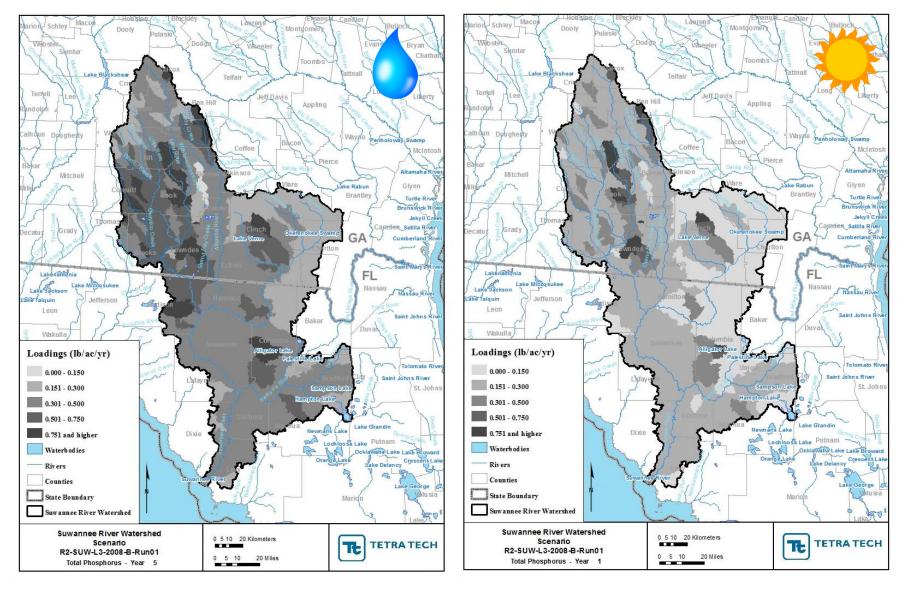
SUWANNEE GA DOSAG MODEL RESULTS



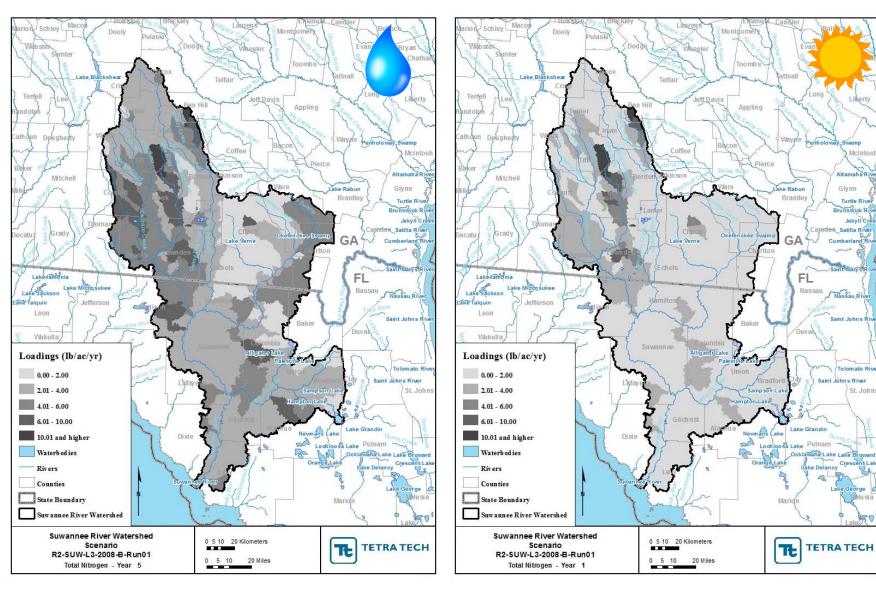
SATILLA GA DOSAG AND GA ESTUARY MODEL RESULTS



ST MARYS GA DOSAG AND GA ESTUARY MODEL RESULTS

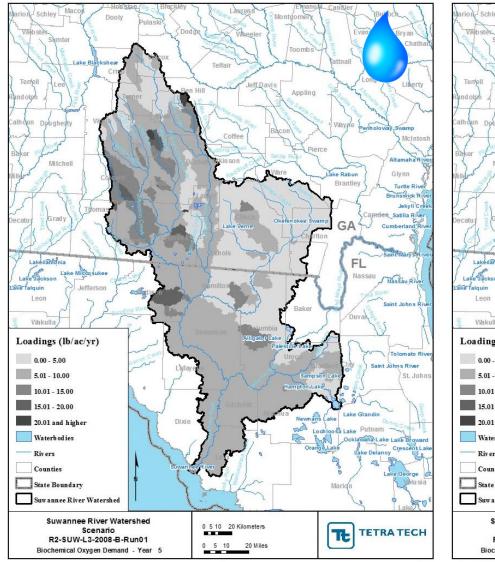


SUWANNEE TOTAL P HEAT MAPS

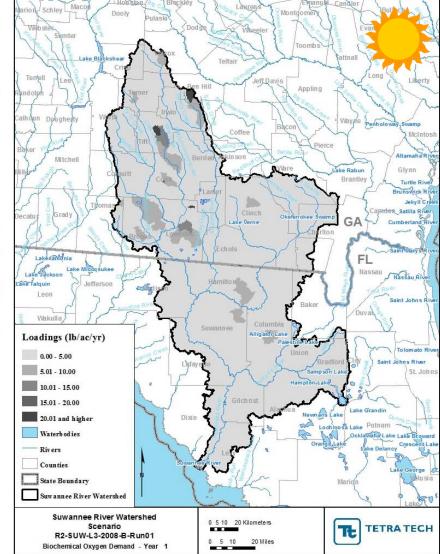


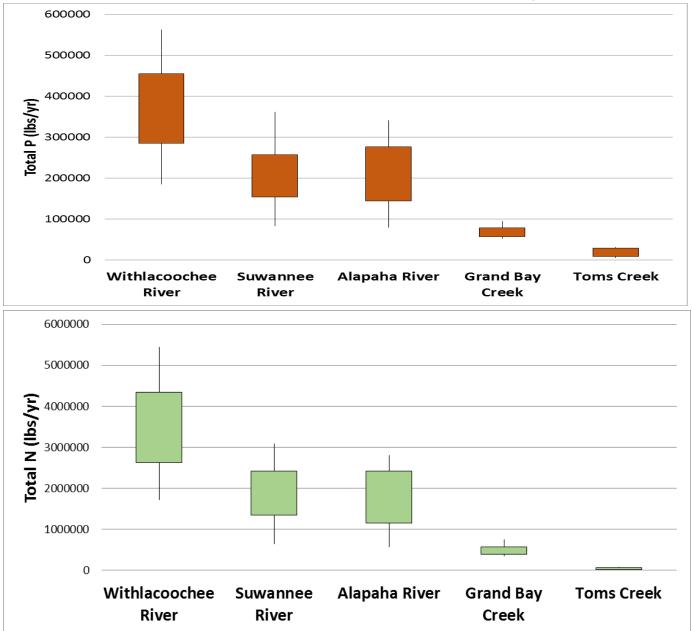
SUWANNEE TOTAL N HEAT MAPS

520



SUWANNEE BOD HEAT MAPS



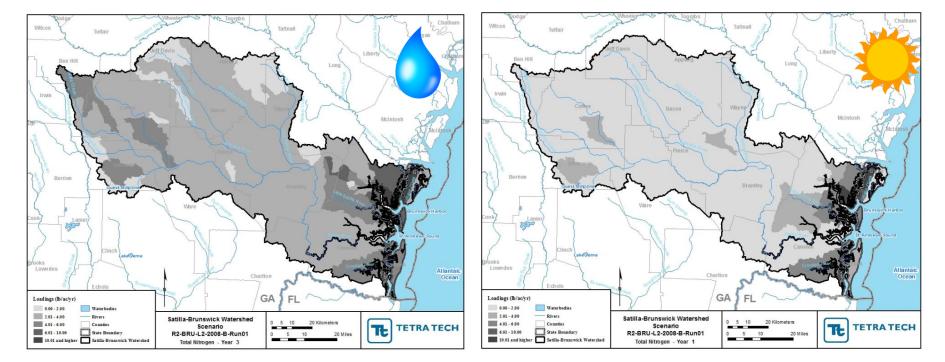


SUWANNEE STATELINE NUTRIENT LOADS (lbs/yr)

Results presented are DRAFT and are subject to change.

Tattnall Mico Tattnall Telfair Telfair McIntosh Atlantaic Atlantaic Ocean Lowndes Lowndes Charlton Loadings (lb/ac/yr) GA GA EI Loadings (lb/ac/yr) 0.000 - 0.150 Waterbodies 0.000 - 0.150 Water bodies 0.151 - 0.300 0.151 - 0.300 Rivers Rivers Satilla-Brunswick Watershed Scenario R2-BRU-L2-2008-B-Run01 Satilla-Brunswick Watershed 20 Kilometen 0.301 - 0.500 5 10 0.301 - 0.500 20 Kilo Counties 10 **TETRA TECH** Scenario R2-BRU-L2-2008-B-Run01 TETRA TECH Counties TŁ TŁ _ 0.501 - 0.750 State Boundary 0.751 and higher Satilla-Brunswick Watershed 0.501 - 0.750 State Boundary 0.751 and higher Satilla-Brunswick Watershe 20 Miles 10 20 Miles Total Phosphorus - Year 3 Total Phosphorus - Year 1

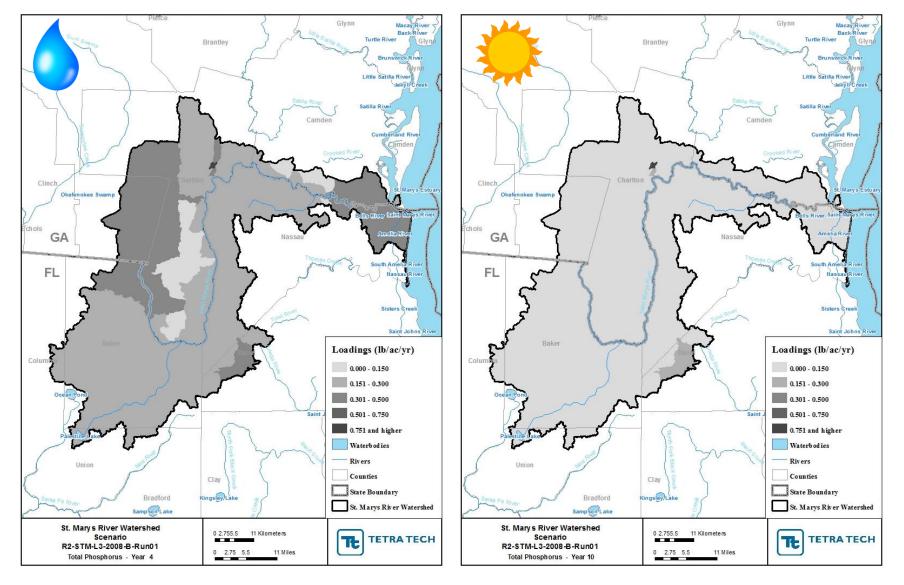
SATILLA TOTAL P HEAT MAPS



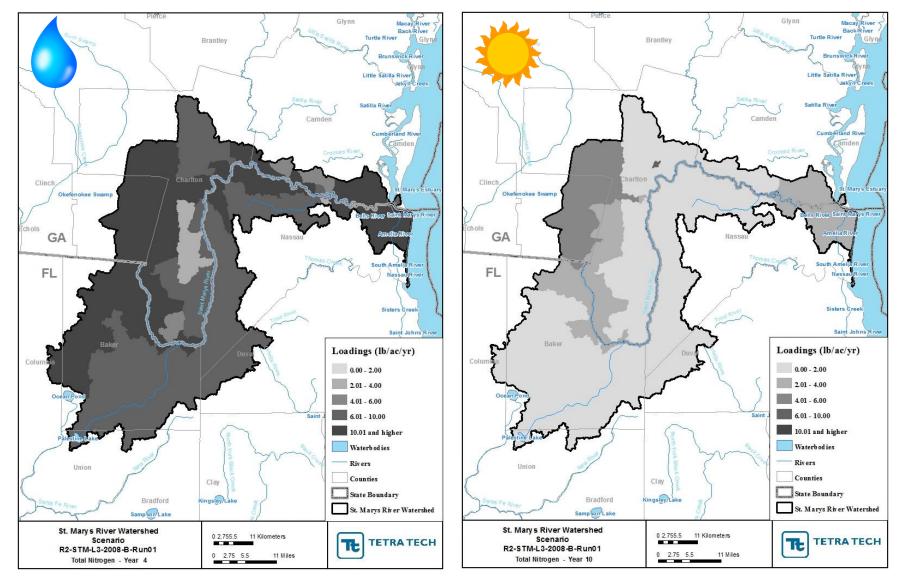
SATILLA TOTAL N HEAT MAPS

Wilcox Tattnall Tattnall Telfair Telfai Lownde Atlantai Atlantaid Ocean Charlton Charlton GA Loadings (lb/ac/yr) FL GA Loadings (lb/ac/yr) 0.00 - 5.00 Water bodie: 0.00 - 5.00 Water bodies Rivers 5.01 - 10.00 Satilla-Brunswick Watershed Rivers Satilla-Brunswick Watershed 10.01 - 15.00 Counties 20 Ki Tł 10 20 Kilometers TETRA TECH 10.01 - 15.00 Scenario R2-BRU-L2-2008-B-Run01 Counties Scenario R2-BRU-L2-2008-B-Run01 TŁ TETRA TECH 15.01 - 20.00 State Boundary 20.01 and higher Satilla-Brunswick Watershed -15.01 - 20.00 State Boundary 20.01 and higher Satilla-Brunswick Watersho 20 Miles 20 M 0 5 Biochemical Oxygen Demand - Year 3 Biochemical Oxygen Demand - Year 1

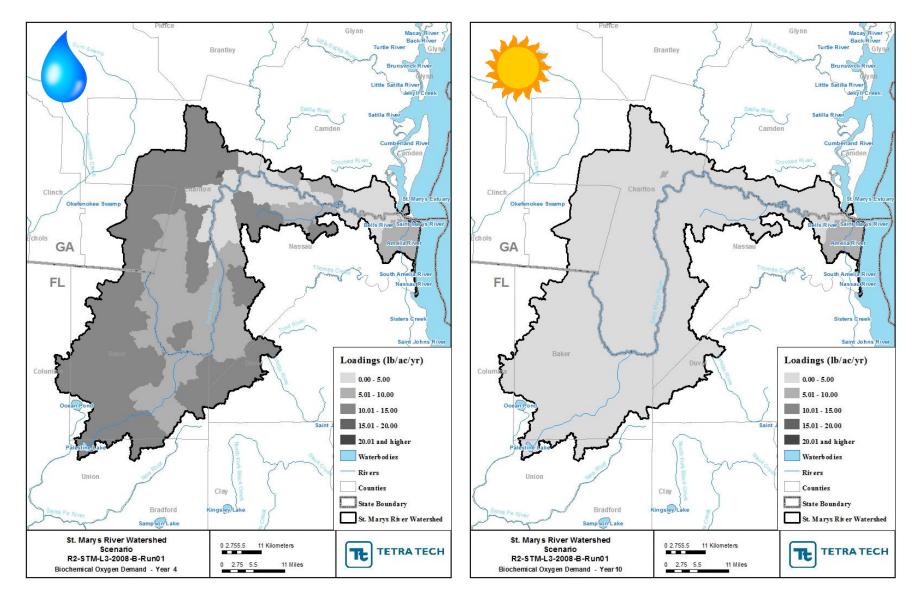
SATILLA BOD HEAT MAPS



ST MARYS TOTAL P HEAT MAPS



ST MARYS TOTAL N HEAT MAPS



ST MARYS BOD HEAT MAPS