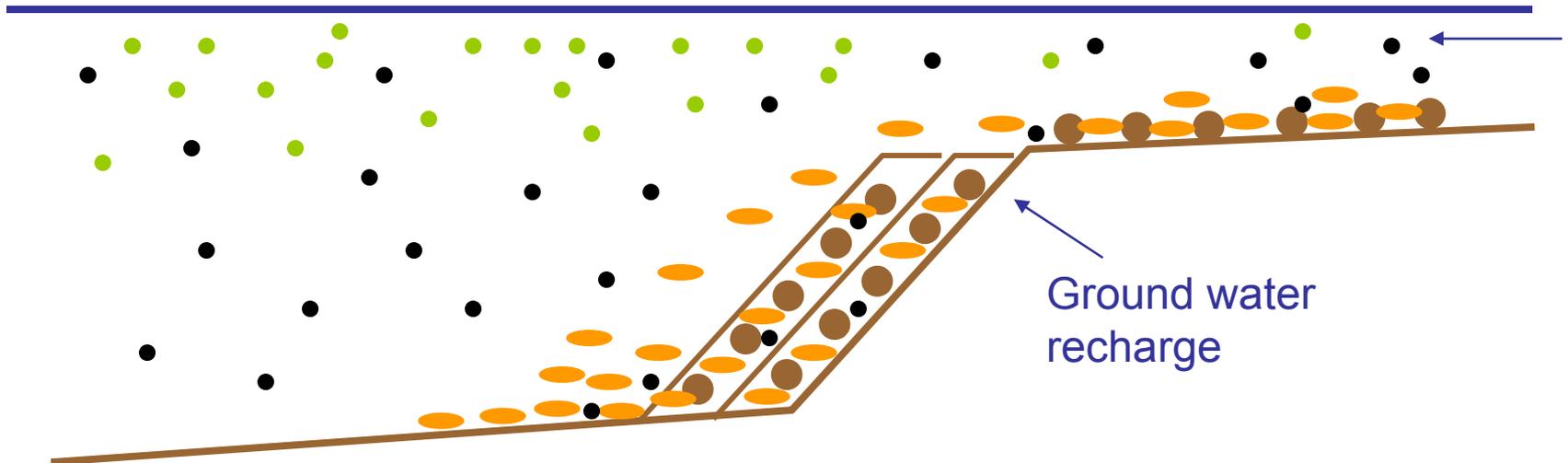


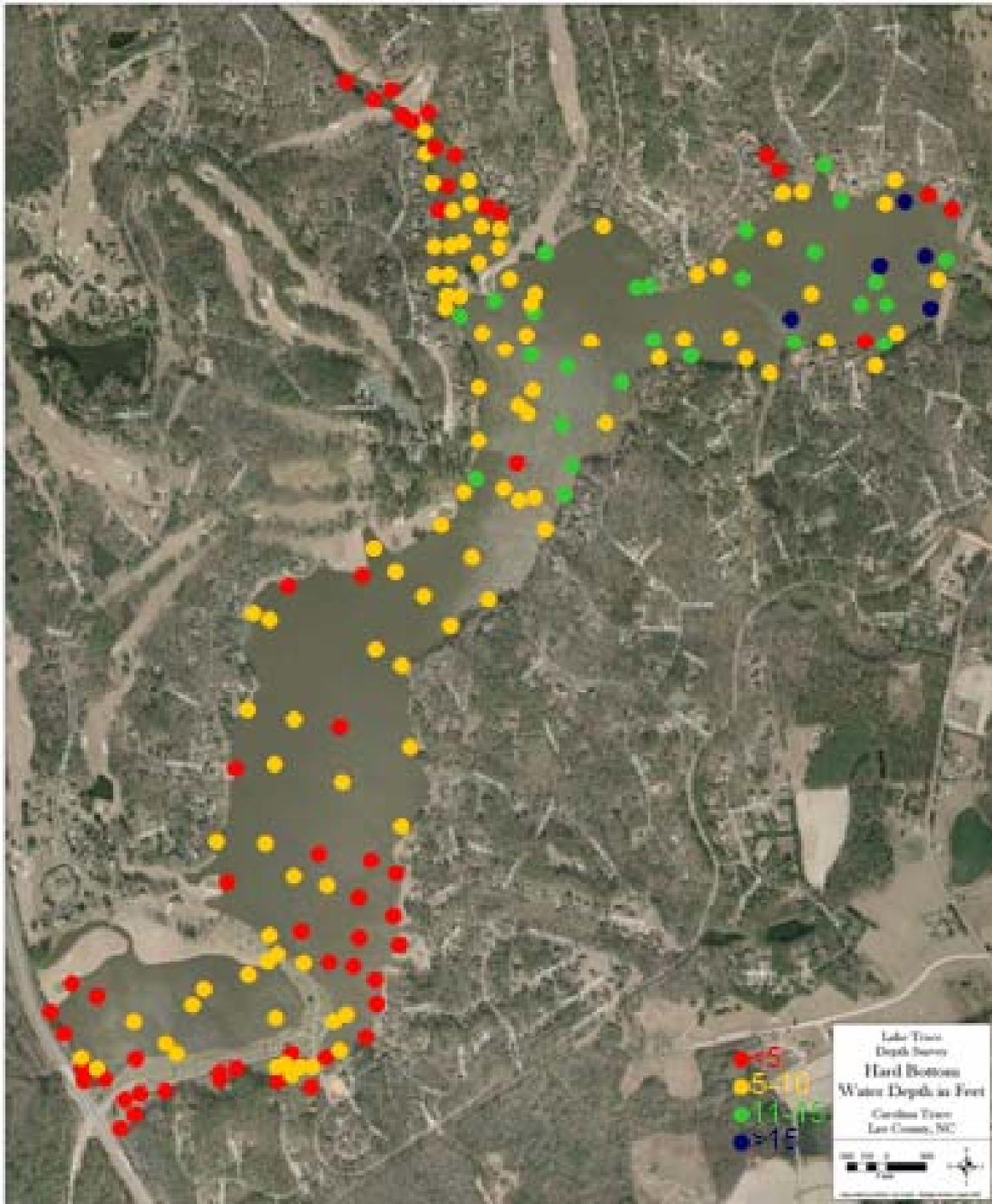
CTA-CTCC Joint Lake Committee

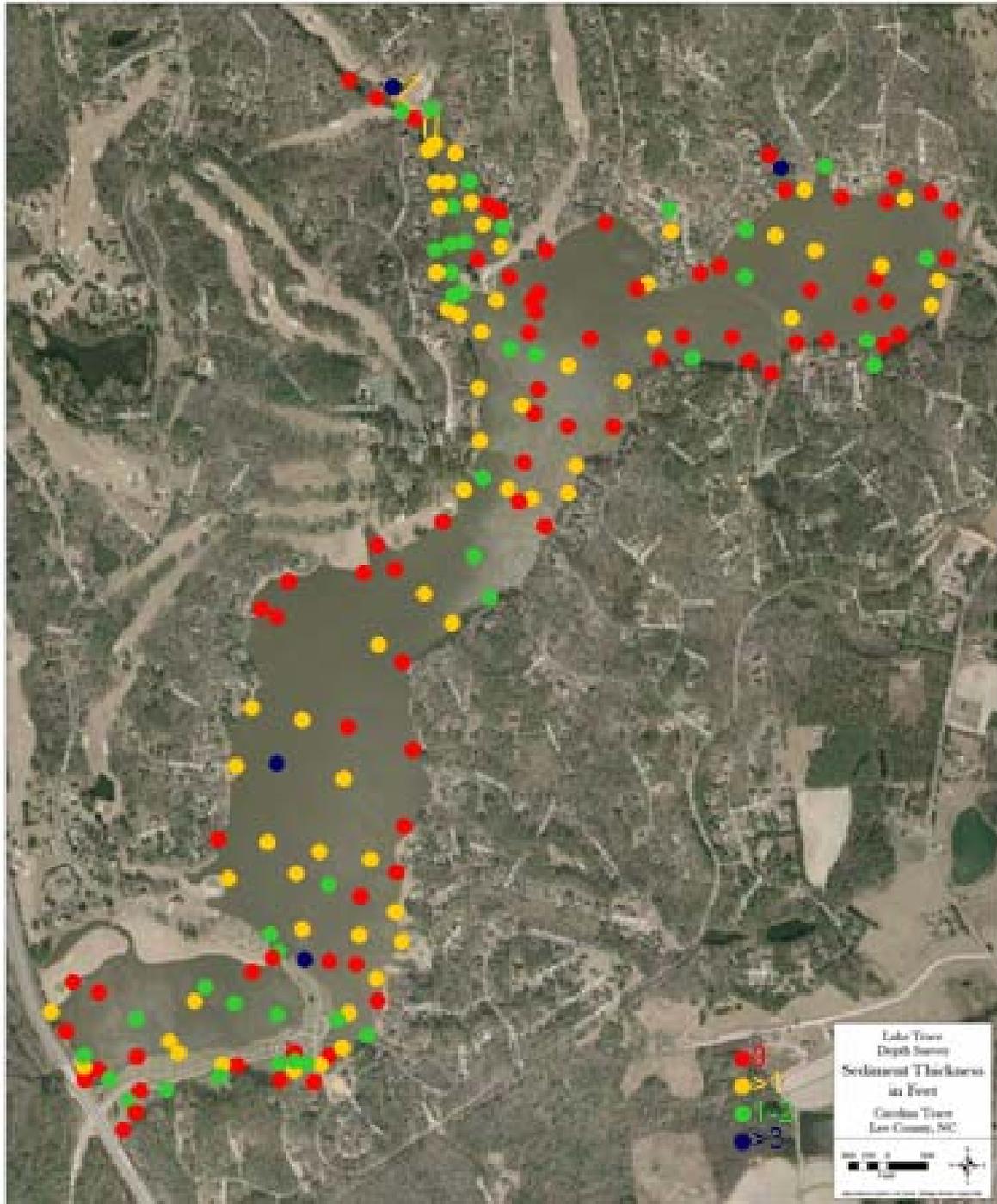
Environment and Ecology
Sub-Committee

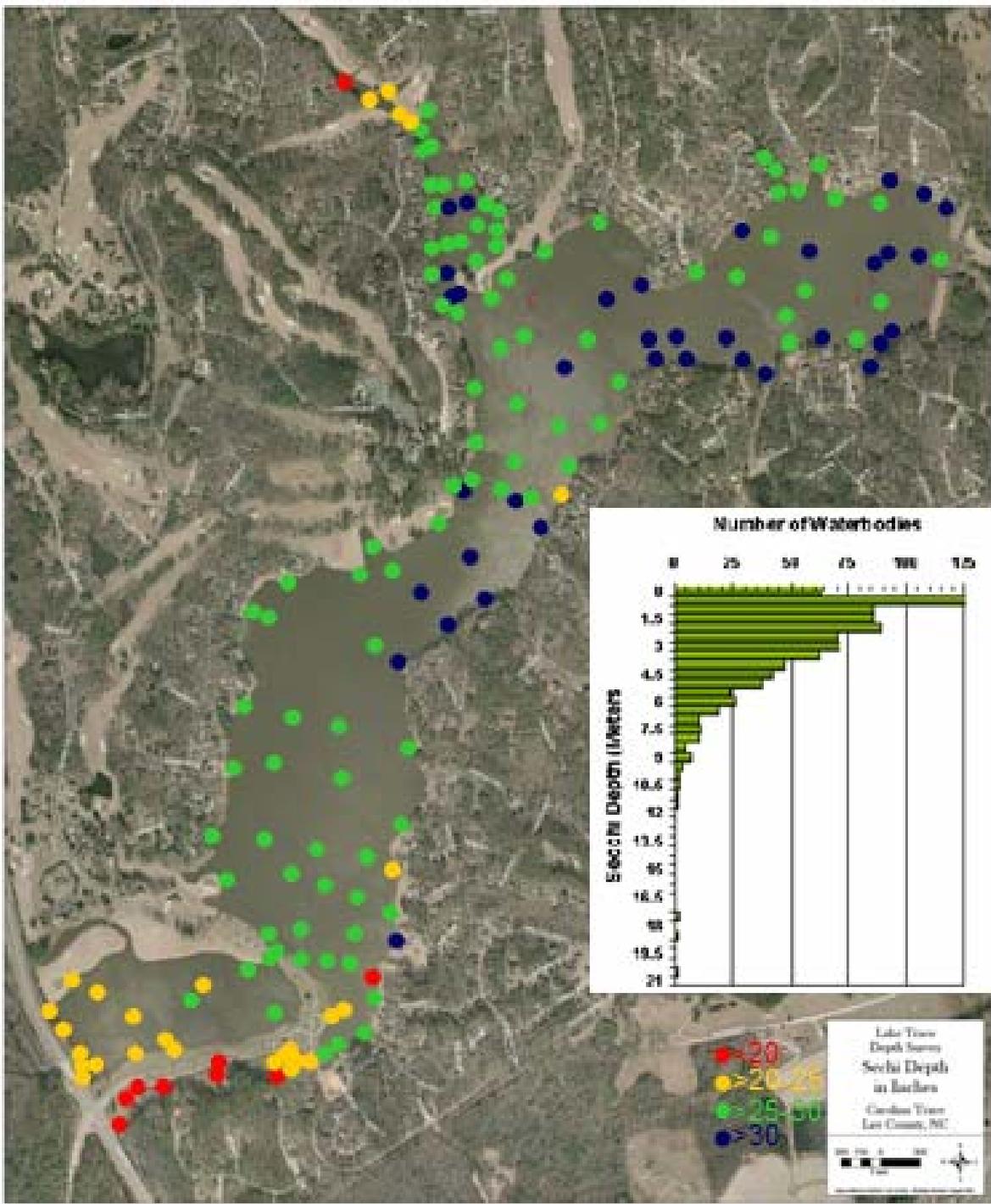
River/Lake Particulates Transport

- Sand 2mm - 0.062mm - Moves along bottom
- Silt 0.062mm-0.002mm - Moves along bottom
May move in suspension
- Clay <.002mm - Suspension
- Plankton-Algae









Summary

- The lake appears to be healthy
- In general the bottom topography of the lake is little changed since the creation of the lake.
- The entrance lakes and the ones on Carr Creek will need to be re-designed at some time in the future.
- The most immediate problems are:
 - 1) Along Carr Creek
 - 2) Other smaller creeks which are starting to put sand into the lake
 - 3) Shore line erosion

Recommendations

- Continue monitoring and trying to understand the environment/ecology of the lake.
- Control erosion along Carr Creek (vegetation/rip rap)
- Control erosion and sediment transport into the lake from several streams
- Control shoreline erosion (investigating vegetative control)



FLOWER POWER

Planting Aquatic Vegetation:

- Helps process sediment
- Reduces erosion
- Provides cover for fish fry
- Prevents egress of large fowl
- Beautifies the shoreline