

# Water Quality Concerns



- Algae Blooms
- Harmful Algae Blooms
- Fish Kills
- SSOs
- Emergency Response

# Standard Response

- Notification of other Agencies Involved
- Observations
- Water Chemistry
- Documentation
- Source Identification
- Sample collection / Analysis
- Enforcement
- Revisit



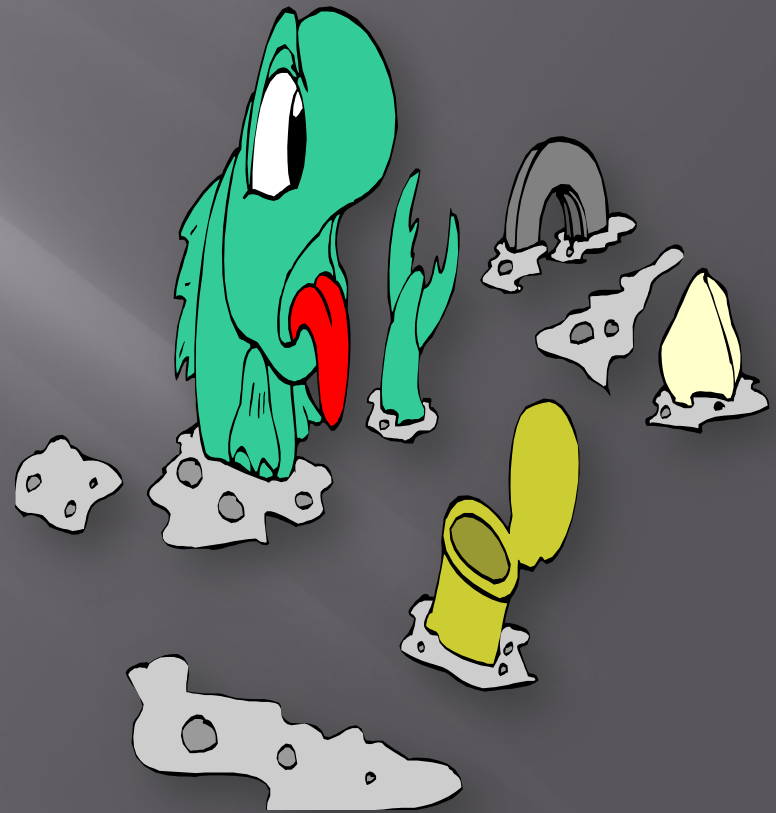
# DEP Capabilities/Services

- ▣ Water quality data collection
- ▣ Collect analyze water chemistry
- ▣ Collect analyze benthic /biological samples
- ▣ Algal Taxonomy , limited toxin id
- ▣ Data Retrieval and interpretation
- ▣ Logistical support



# Staff Capabilities

- ▣ Public Outreach
- ▣ TMDL / BMAP involvement
- ▣ Multiple disciplines (chemists, engineers, biologists)
- ▣ If source of problem is identified as a permitted facility, we do work with them to fix the problem (including enforcement, when necessary).



# 2010 Lessons

- ▣ Establish Help Desk early to answer public's questions .
- ▣ Regular updates as new information is available



# LSJR Monitoring

- ▣ Monthly Ocklawaha River and reservoir sampling
- ▣ RAAG: 8 sites Quarterly nutrient, First to see algal boom in May 2010, Welaka
- ▣ Bi-monthly Chlorophyll A sampling in Tri-county agriculture area of LSJR
- ▣ Continuous dissolved oxygen monitoring in Clapboard Creek area of LSJR



# Coordination

- ▣ Harmful Algal Bloom Team
- ▣ Regular correspondence with TAT team and SJRWMD

