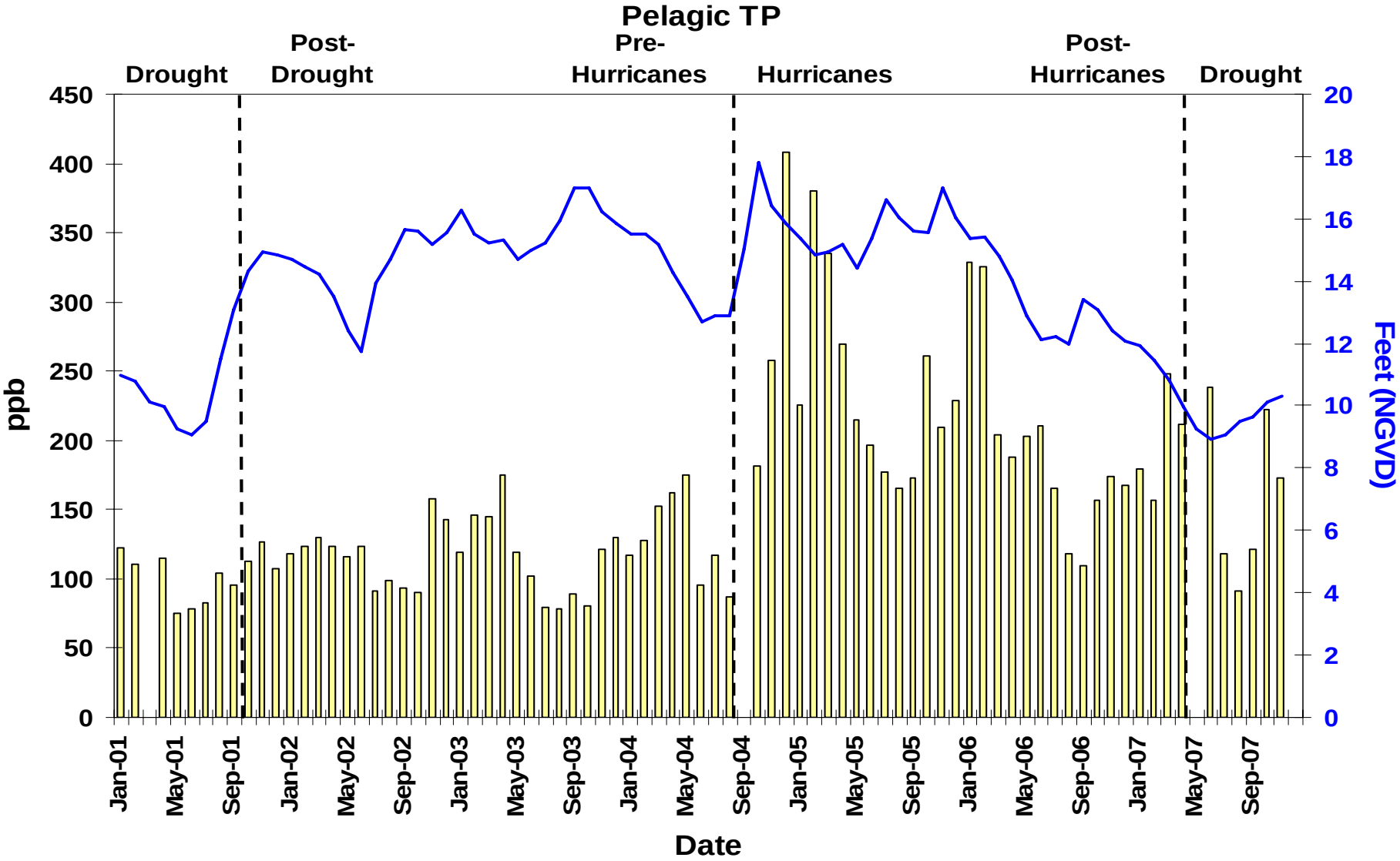
Lake Okeechobee Ecology And In-Lake Restoration

Lake Okeechobee
Water Resources Advisory
Commission

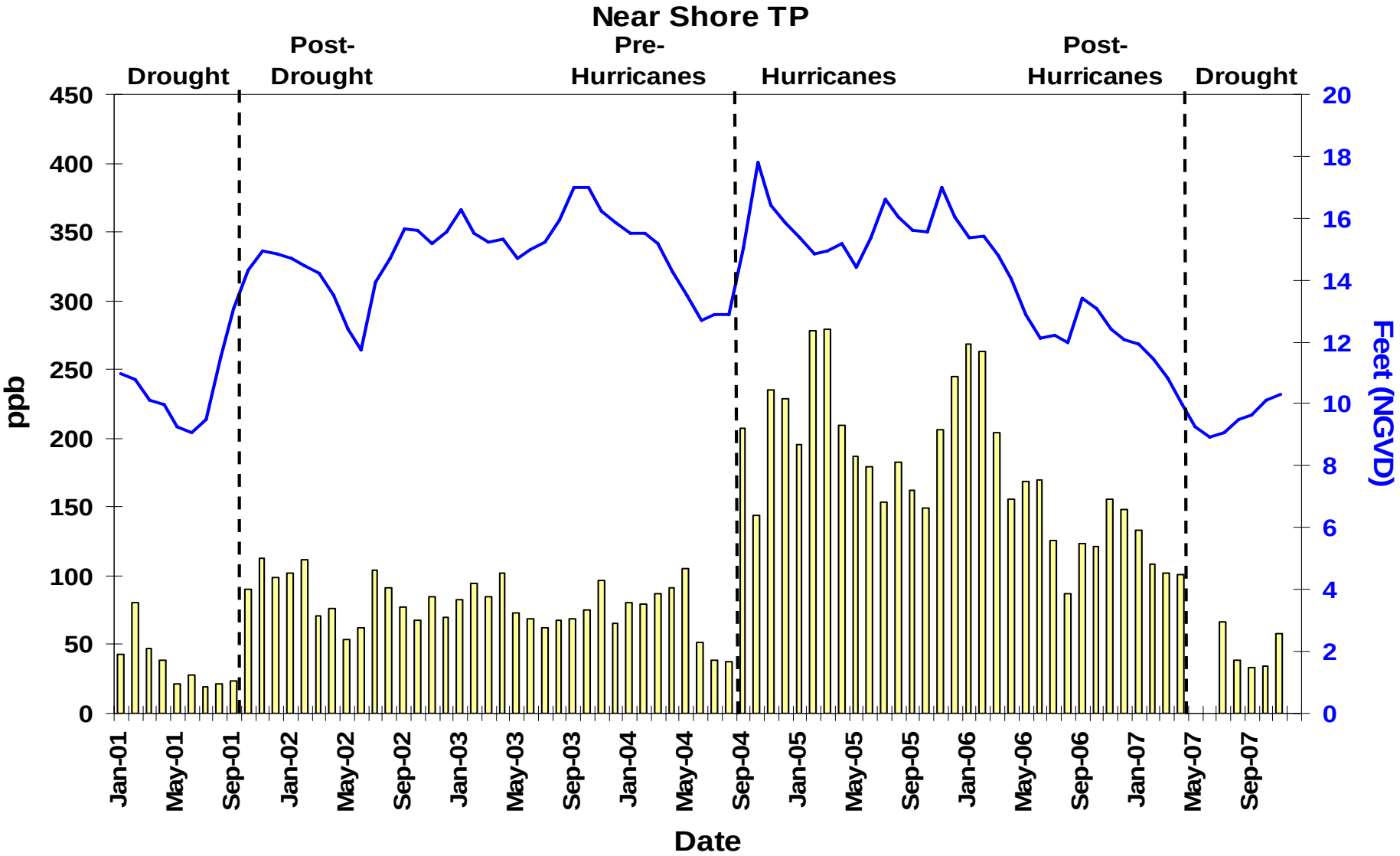
David Unsell, PE

January 3, 2008

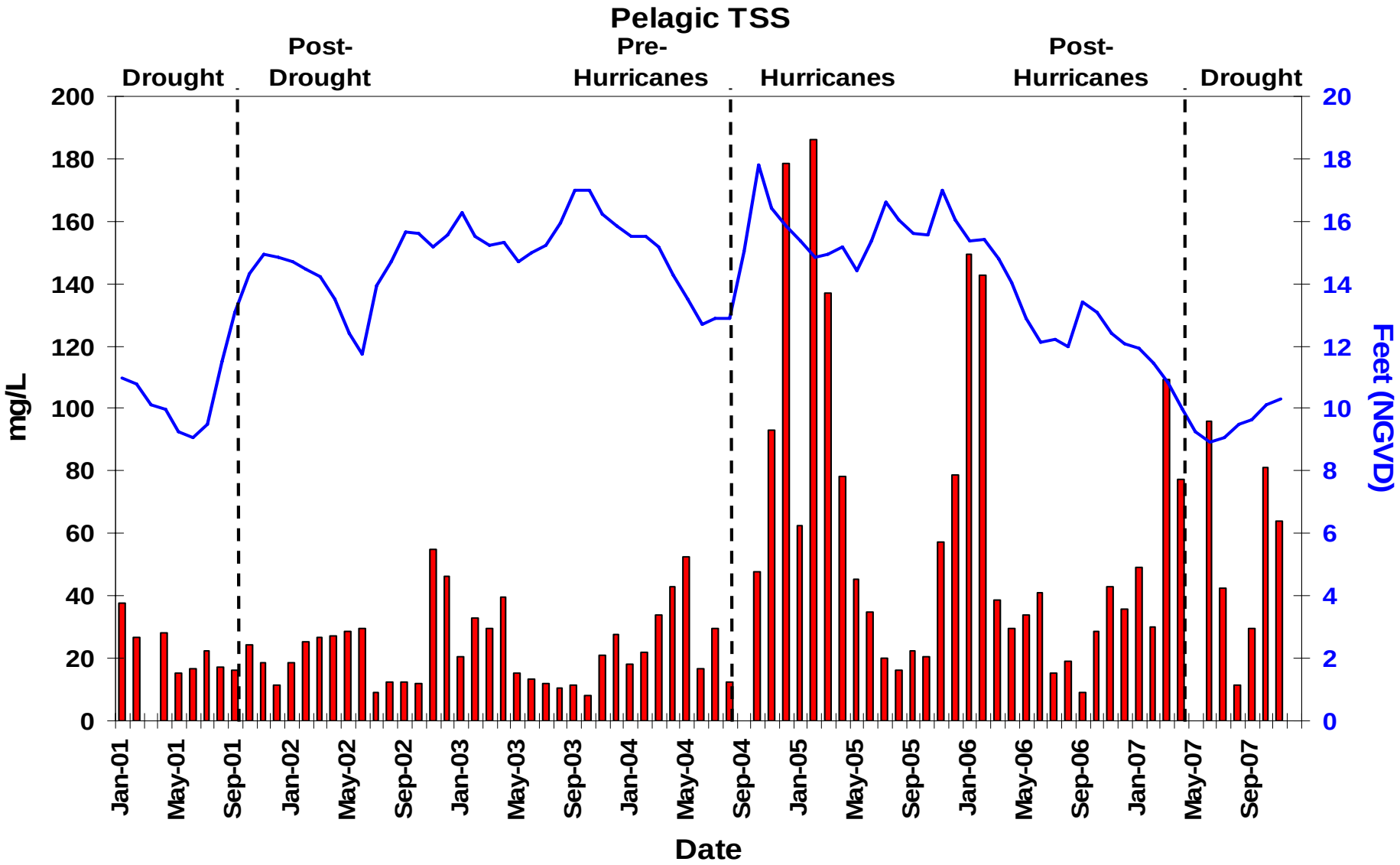
Water Quality – Total Phosphorus



Water Quality – Total Phosphorus



Water Quality – Total Suspended Solids



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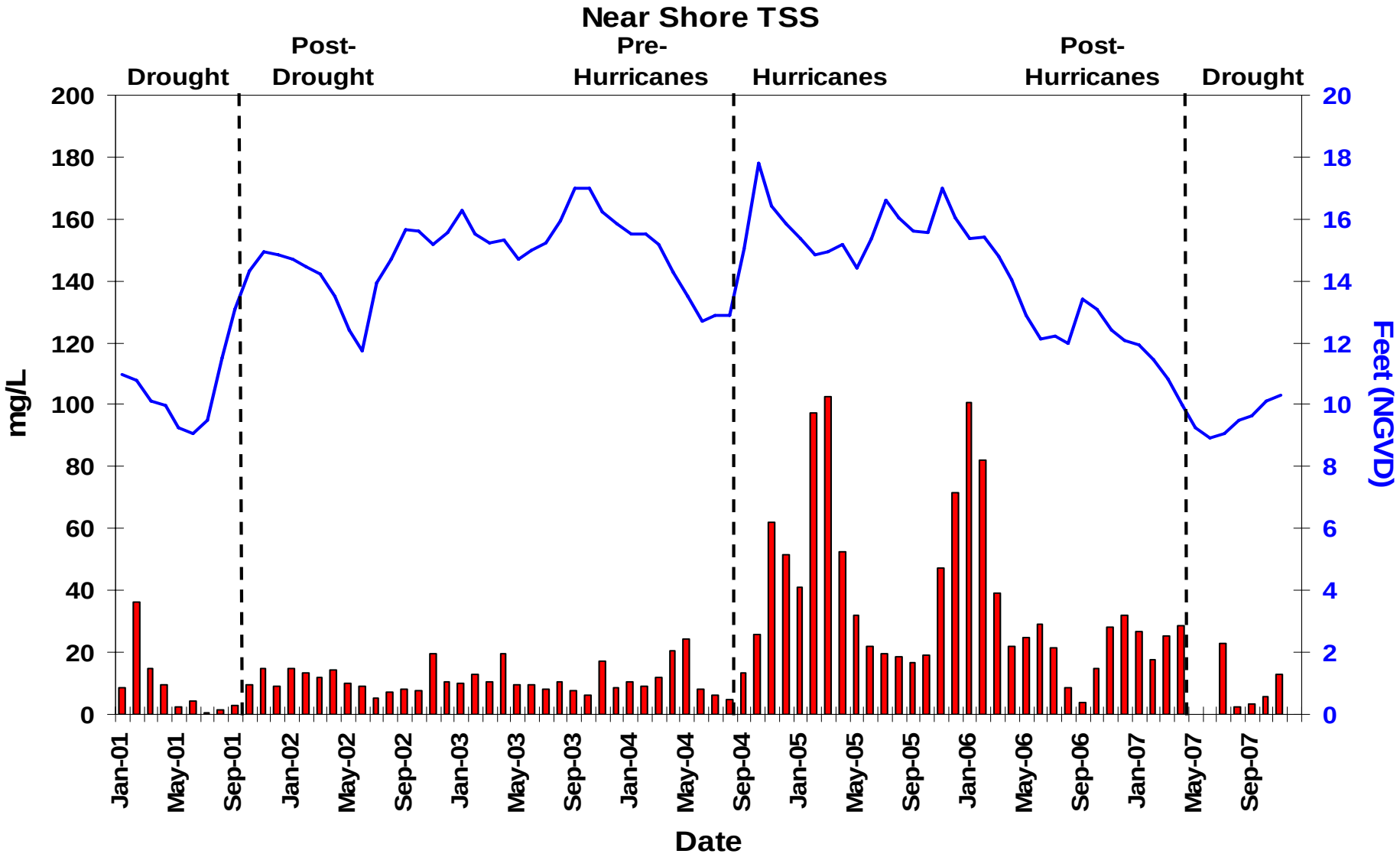
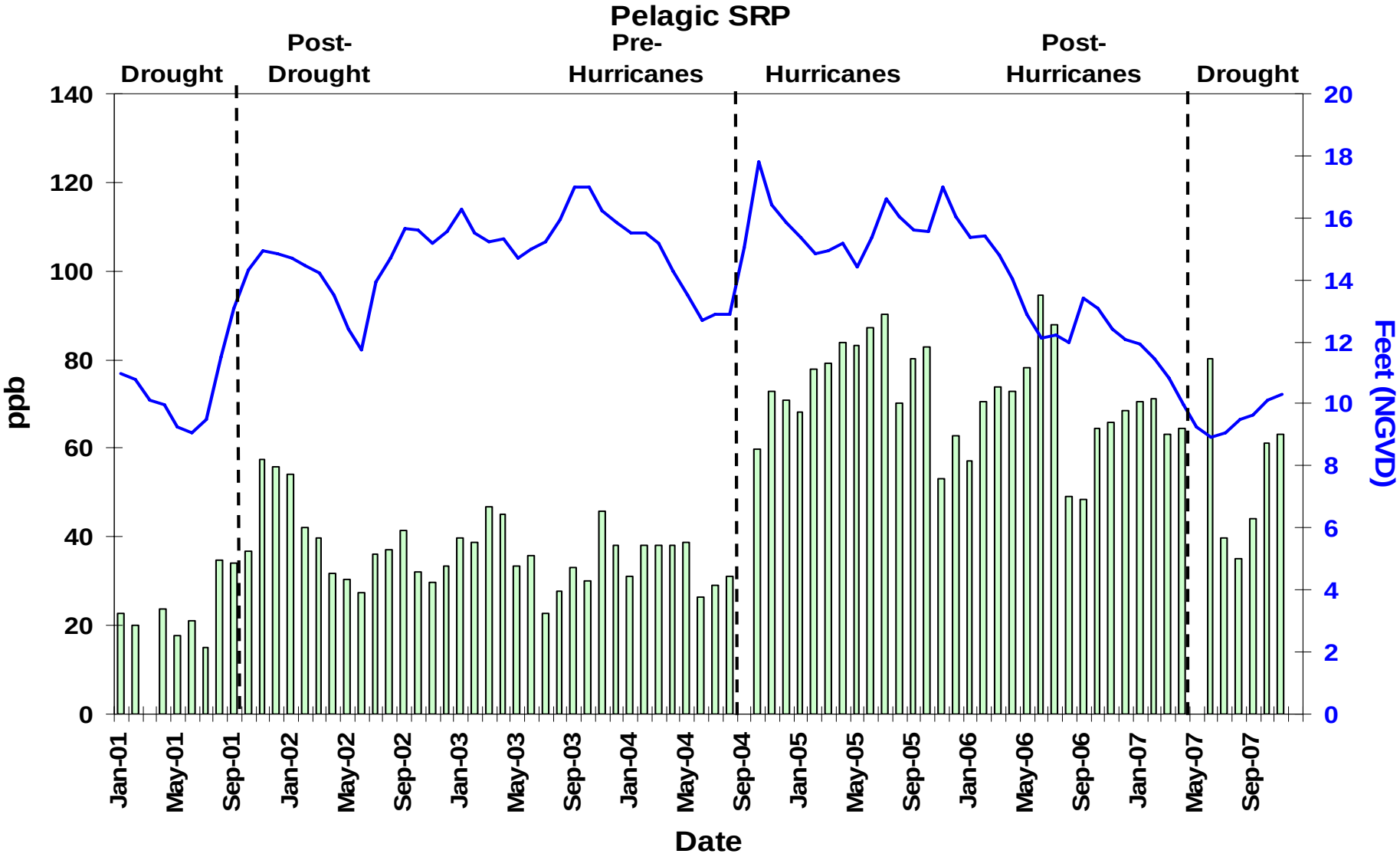


Water Quality – Soluble Phosphorus



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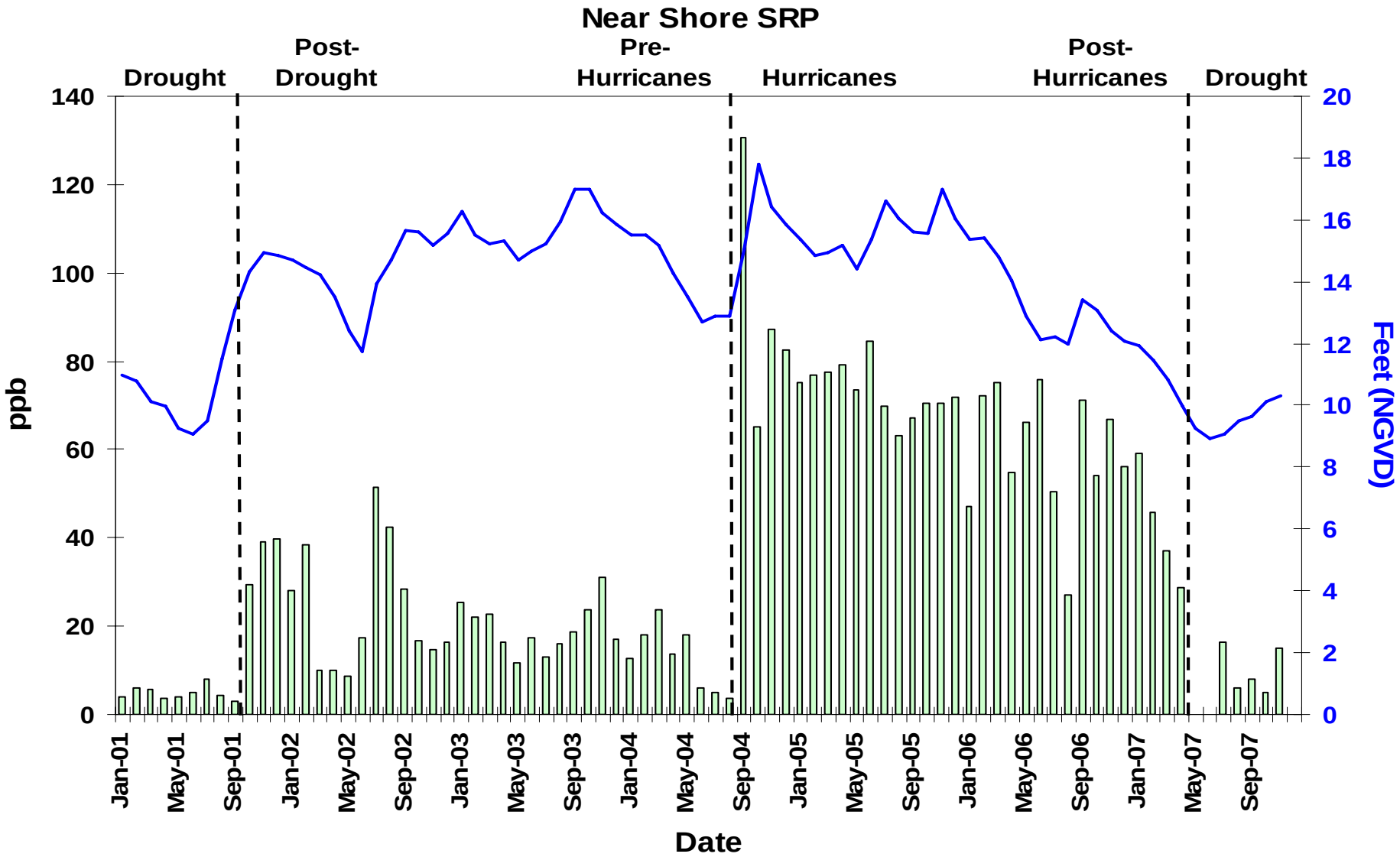
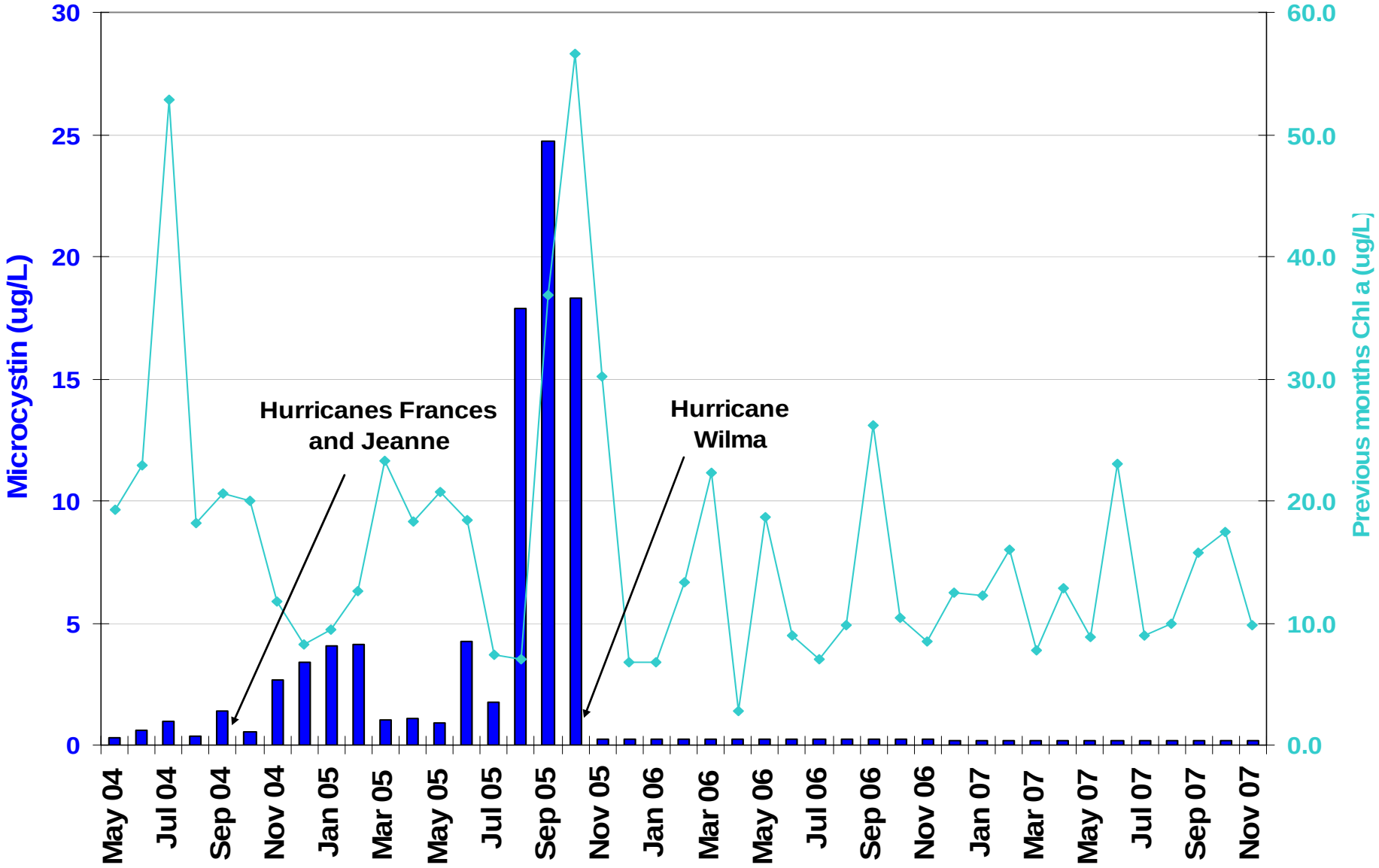


Algal Bloom Survey

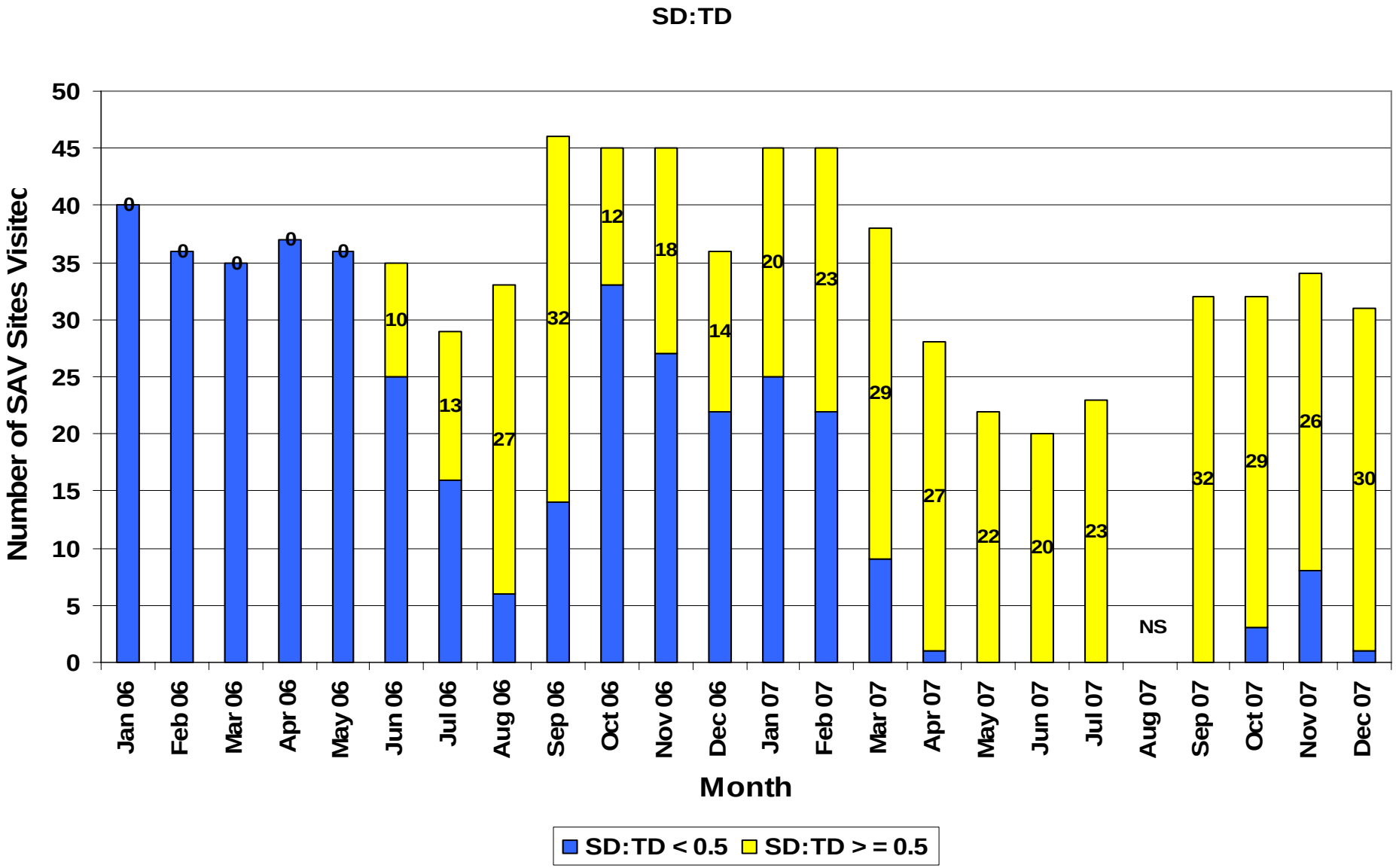
- Near Pahokee Marina
- Light Surface Bloom
- Data available next week

Algal Blooms and Toxins



Submerged Aquatic Vegetation

Transect Sites



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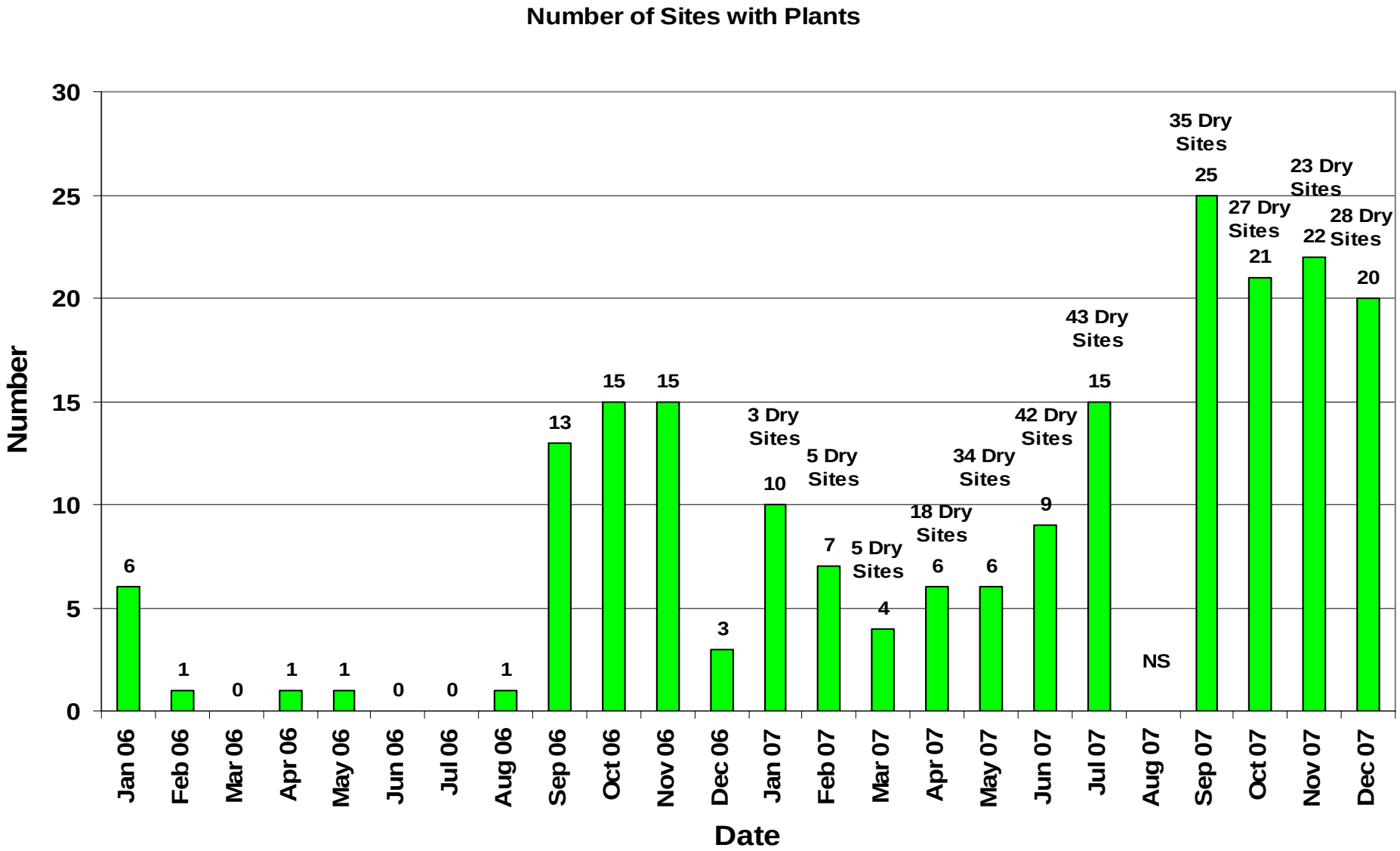

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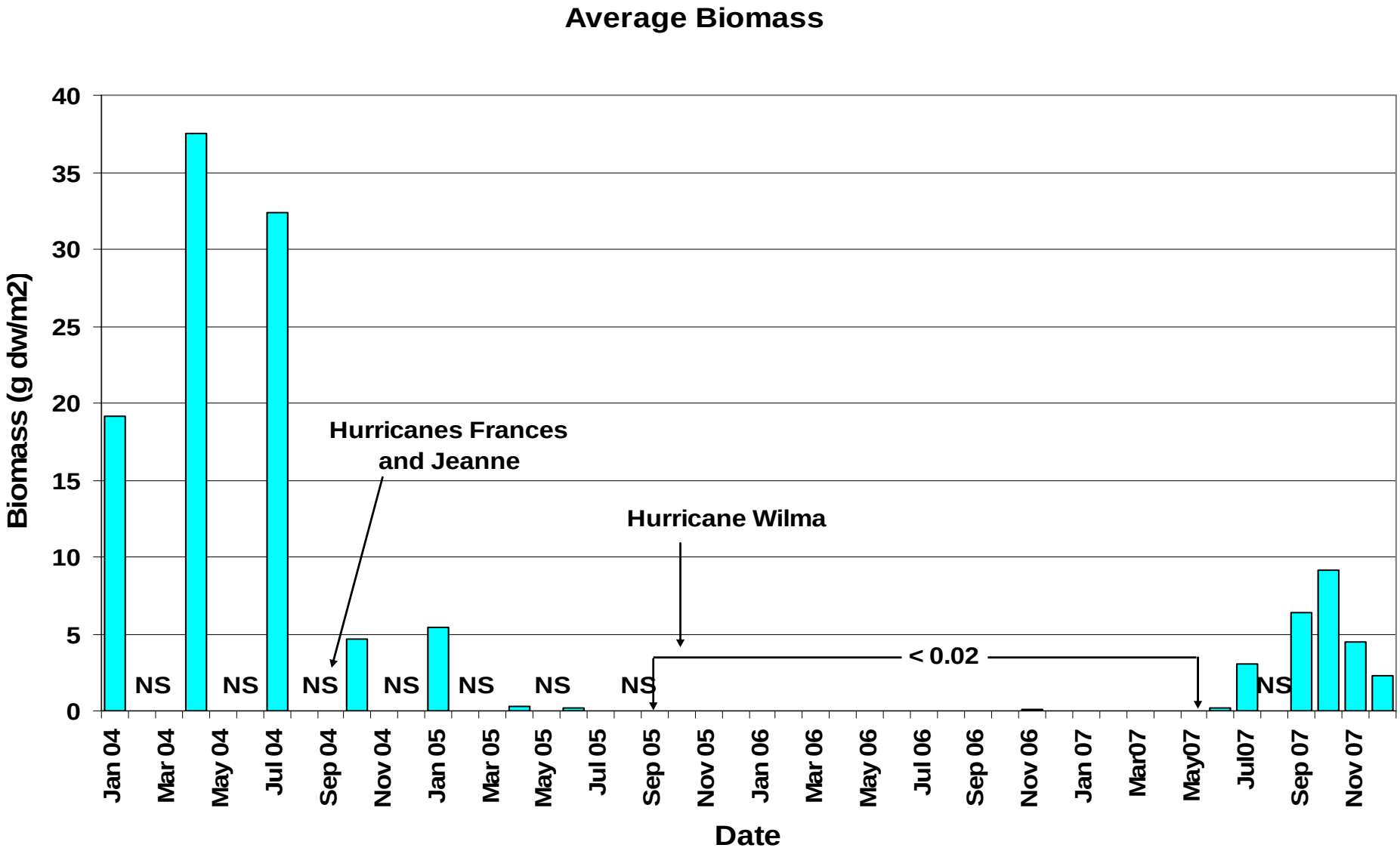

Low Stage Restoration Projects

Project Development Process

- Staff identification of potential projects
- Multi-agency workshops to develop and vet projects
- Permit requirements and status
- Schedules
- Cost Estimates

Project Opportunities

Staff Identified Opportunities

- Muck Scraping
- Disking / Plowing / Rotovation
- Native Species Re-Planting
- Exotic Control
- Debris Removal
- Apple Snail Culturing

Low Stage Restoration Projects

Agency Workshops

- October 24, 2007
  - Florida Fish & Wildlife Conservation Commission, Florida Department of Environmental Protection, Corps, US Fish and Wildlife Service, Palm Beach County, South Florida Water Management District
  - Formed sub-teams for project proposals
  - Discussed and developed project options, permits, schedules and costs
- December 3, 2007, follow up workshop

Questions