

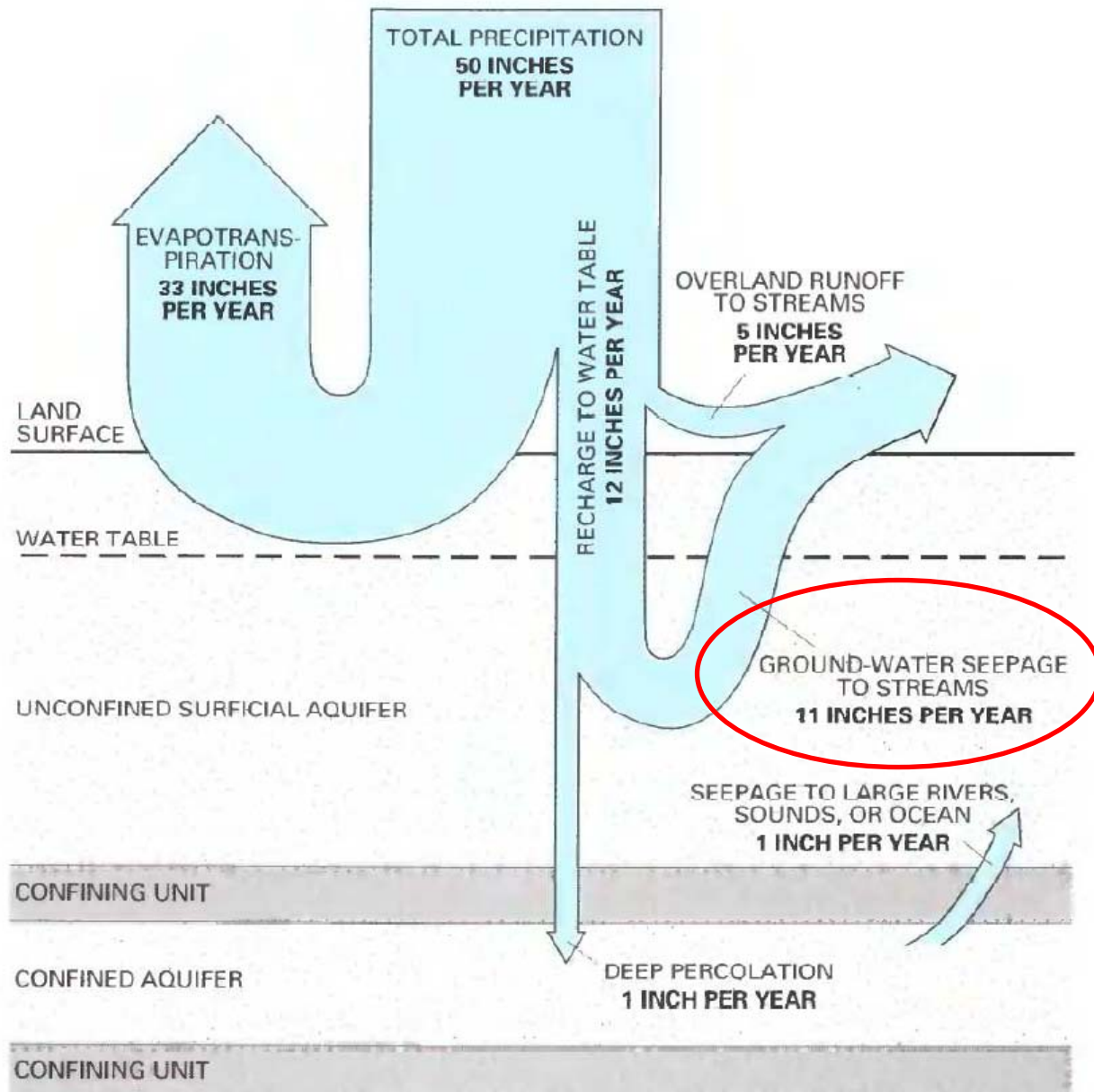
Rule Making Petition – Division Response

- Interaction of Ground Waters and Surface Waters
- Evaluation of Existing Non-discharge Data
- Review of Technical Issues
- Overview of Proposed Rules

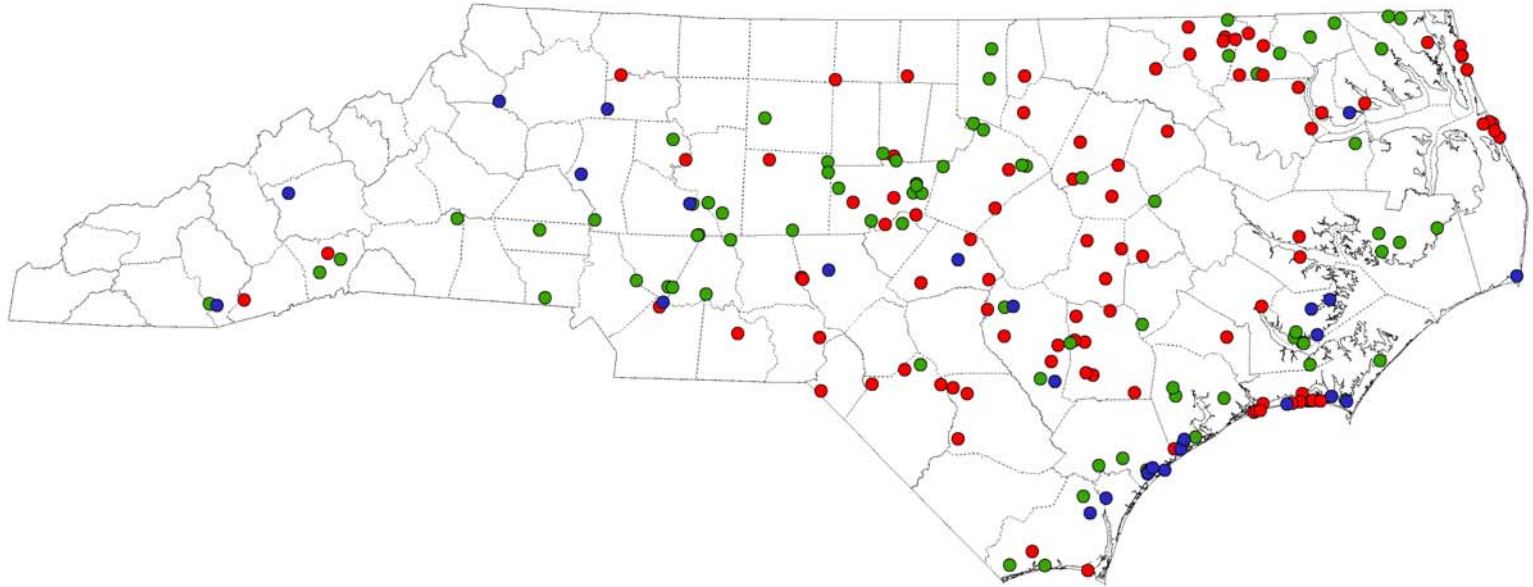
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North Carolina's water..."





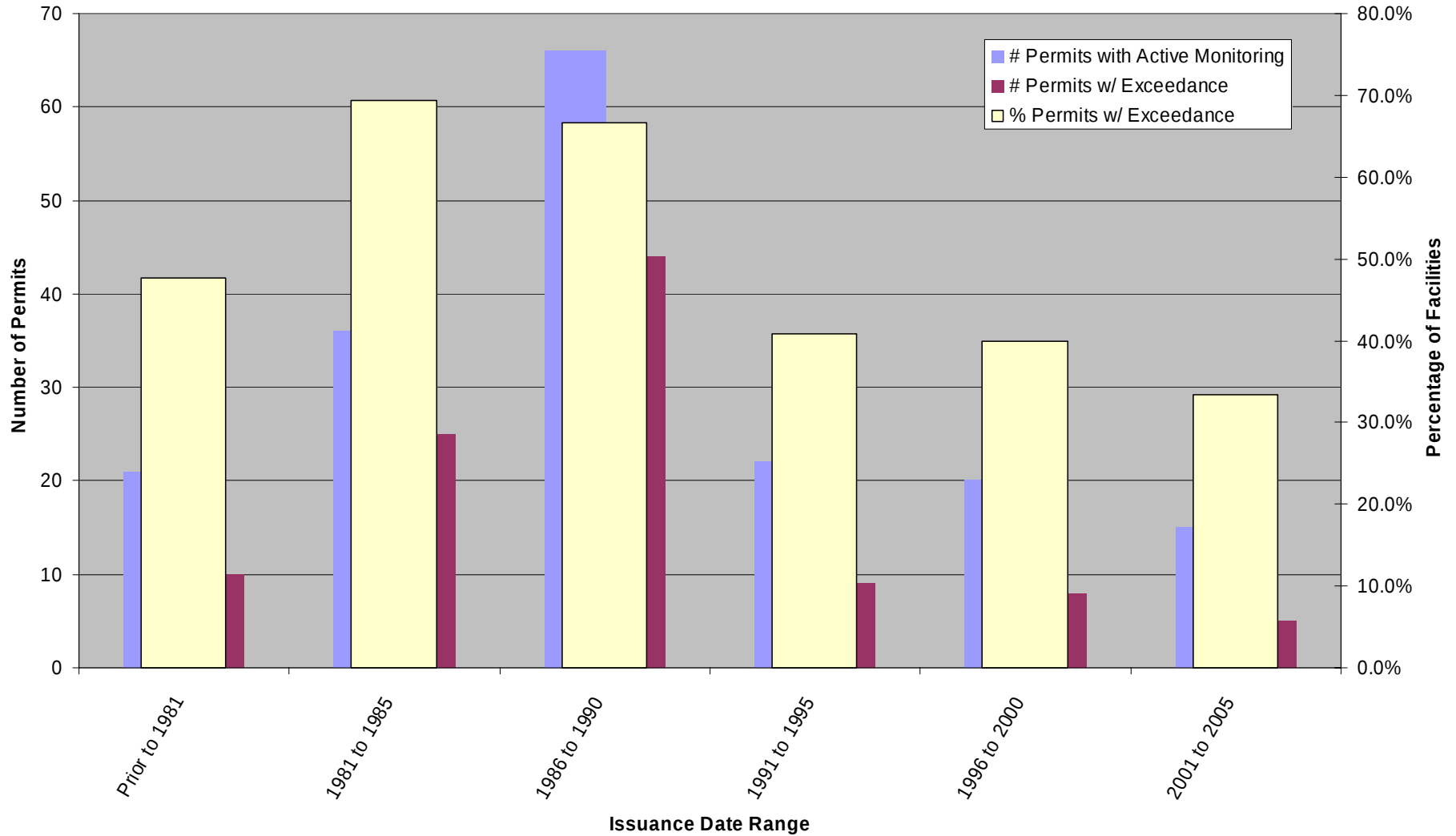
Non-Discharge Wastewater Facility Groundwater Nitrate Monitoring



Legend

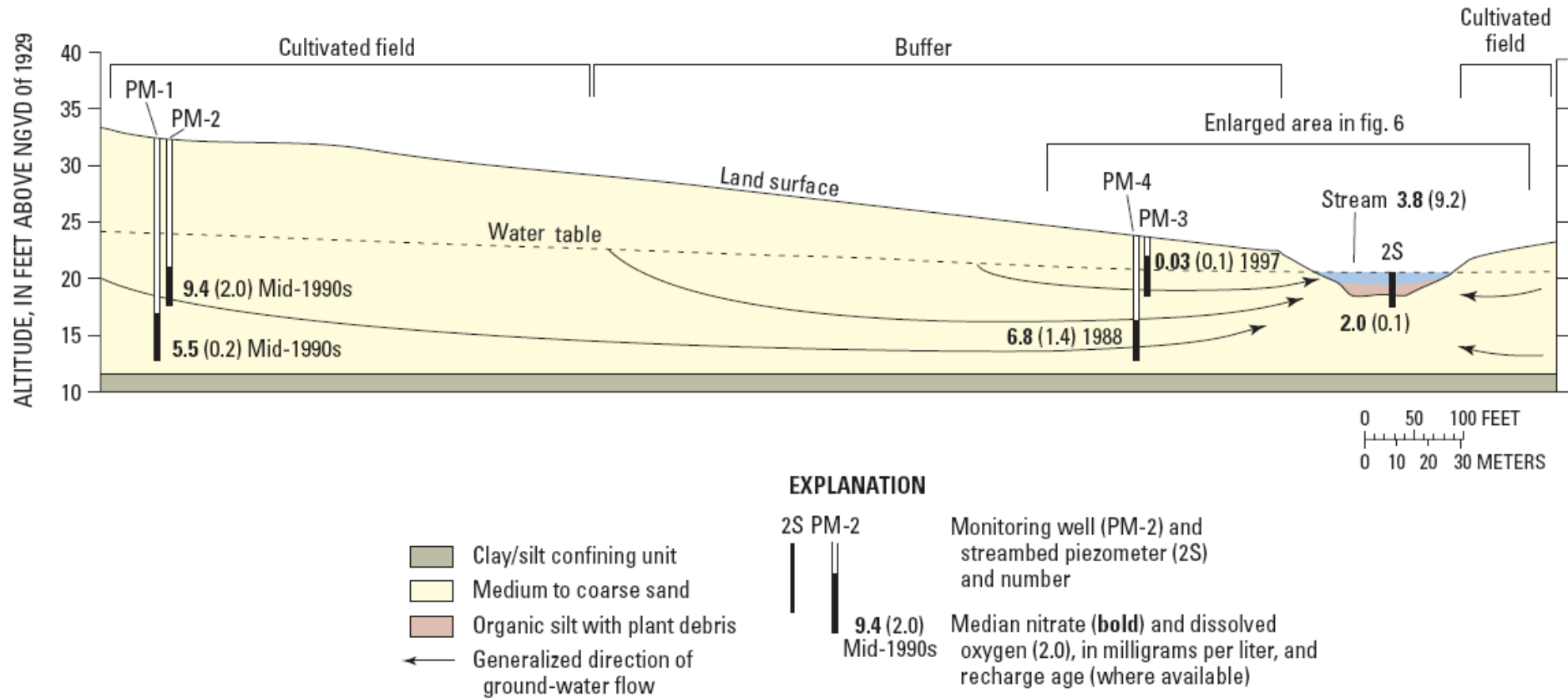
- Monitoring data exceeds 10ppm NO₃
- Monitoring data less than 10ppm NO₃
- Yet to submit data

Percentage of Non-discharge Wastewater Facilities with Nitrate Values > 10 ppm

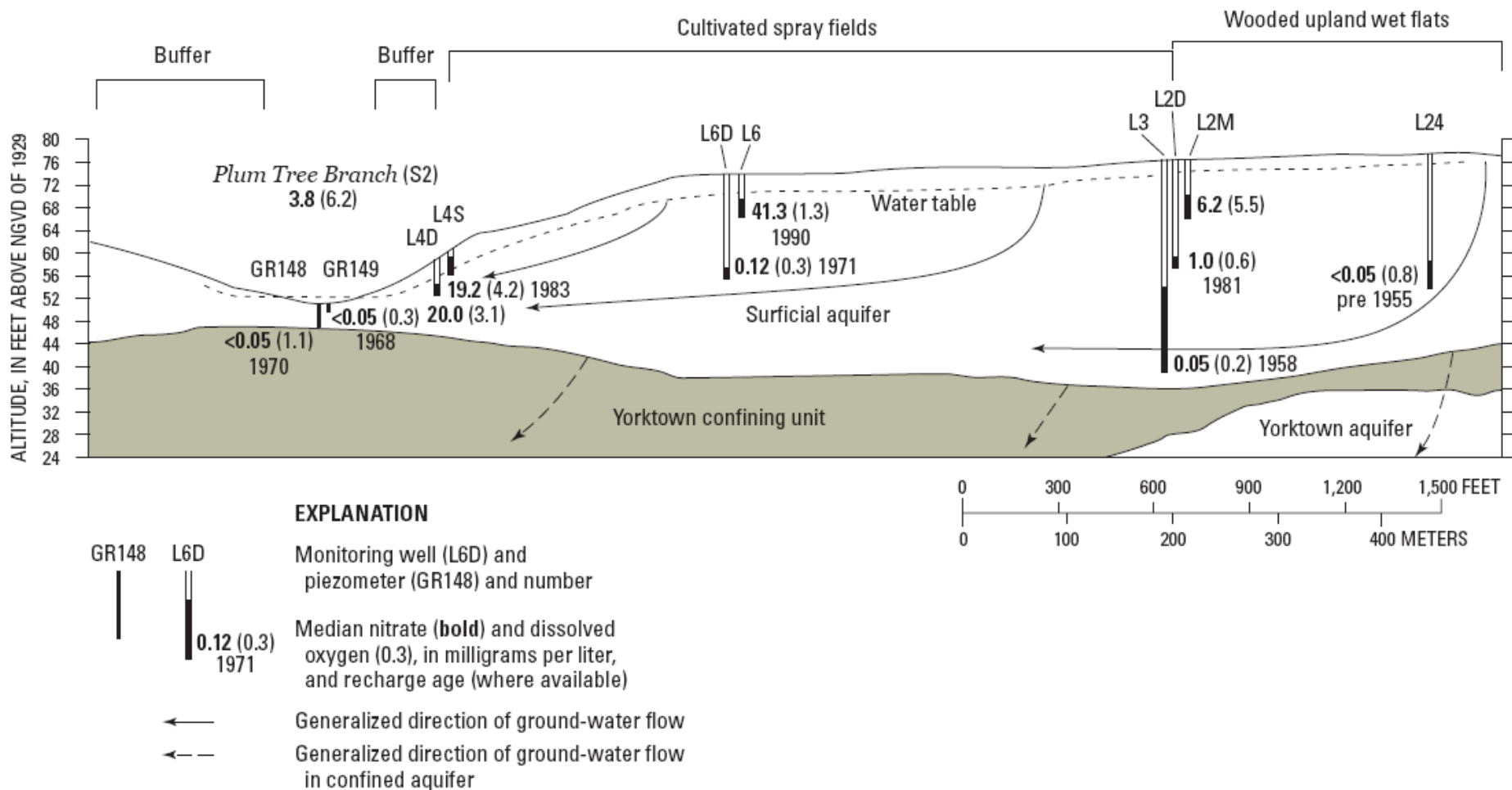


Source: Basinwide Information Management System

Cross Section of Surficial Aquifer



Cross Section of Surficial Aquifer



Proposed Monitoring Rule – 2T .1310

- Surface Water Monitoring
 - Waste Discharge Monitoring
 - Routine Monitoring
- Monitoring Coalitions
- Groundwater Monitoring
- Reporting (annual)

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Waste Discharge Monitoring

- Based on Current NPDES General Permit Requirements
- New Visual Observations for Subsurface Drains
- Two Visual Observations Per Year
 - One after land application
 - One after land application and subsequent rainfall event
- Take Samples If Needed

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Routine Surface Water Monitoring

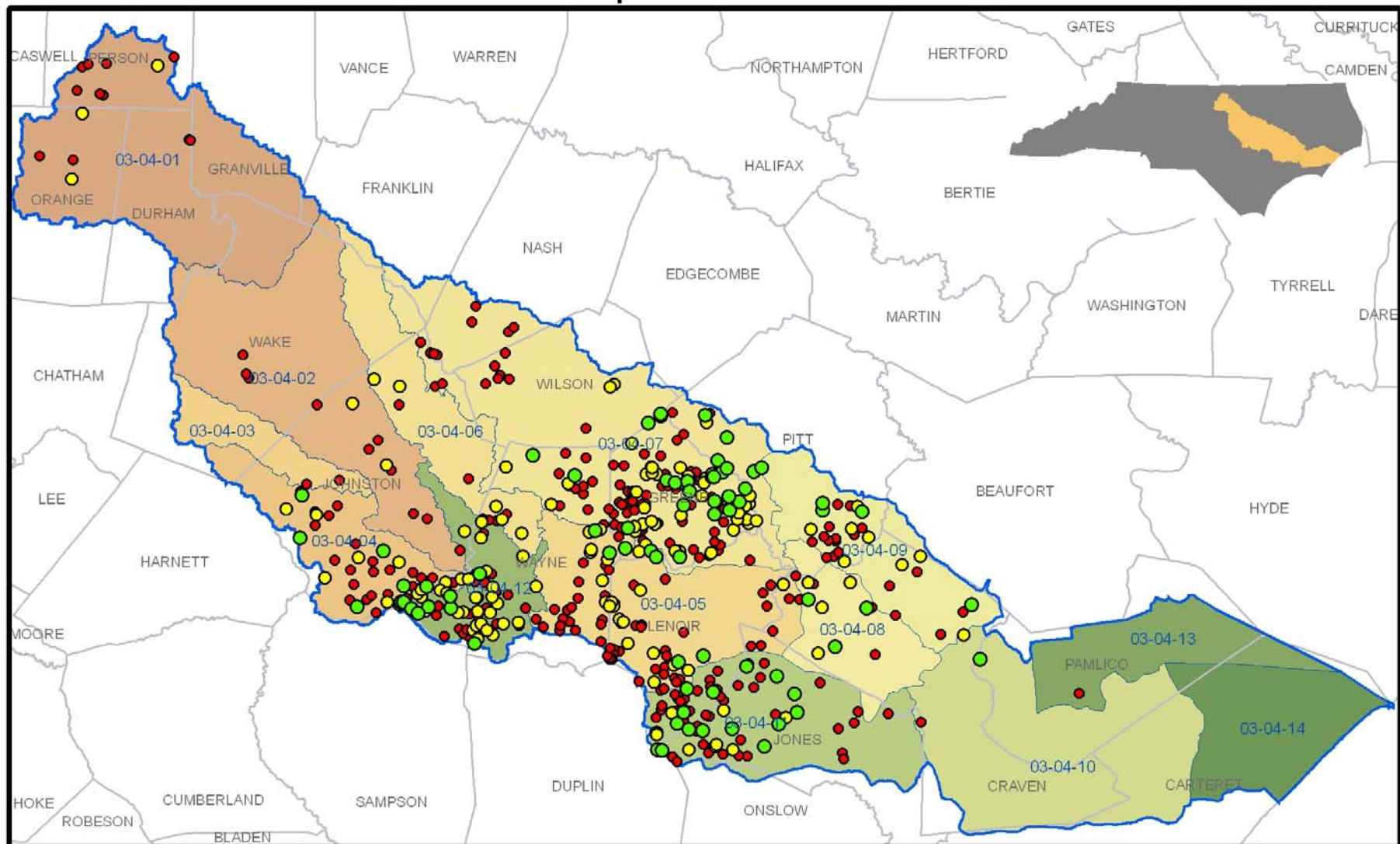
- General Criteria Provided
- Site by Site Evaluation
- Rule Gives Basis for Decisions
- Implementation Schedule in Rule .1311
- Monitoring Coalitions (optional)

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Permitted Active Animal Operations in the Neuse River Basin



Legend

- Facilities Reporting Subsurface Drains
- Facilities With Poorly Draining Soils
- Facilities Not Reporting Subsurface Drains

0 5 10 20 30 40
Miles



Routine Surface Water Monitoring

- Increase or Decrease (including elimination) Monitoring
- Based on Results and Other Available Data
 - From on-site data
 - Based on applicable data of BMPs, buffers

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Groundwater Monitoring

- Reflects Current Policy
- Risk Based
- Monitoring Changes Similar to SW

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Proposed Implementation Rule – 2T .1311

- Notification to Submit Plan
- Rule Provides Basis
- Emphasis
 - Nutrient impaired watersheds
 - Presence of drains, ditches, etc.
 - Lack of riparian buffers
 - Number of operations in basin
- Flexibility to Adjust Priorities

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Division Recommendation

The Division recommends granting the petition by initiating the rule making process with the Division proposed rules 15A NCAC 02T .1310 and 15A NCAC 02T .1311.

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