

Integrated Reporting

- Exceeding Criteria --Category 4 or 5 (Impaired)
- 1.500 in draft 2016 IR

Poor or Fair benthos or fish community ratings Greater than 10% of samples exceeding a numeric standard

- Meeting Criteria

 Category 1
- 14,500 in draft 2016 IR

Good or Excellent benthos or fish community ratings Less than 10% of samples exceeding a numeric standard

- Data Inconclusive—Category 3
- 2,000 in draft 2016 IR

Not Rated benthos or fish community ratings Less than 90% confidence in 10% exceedances

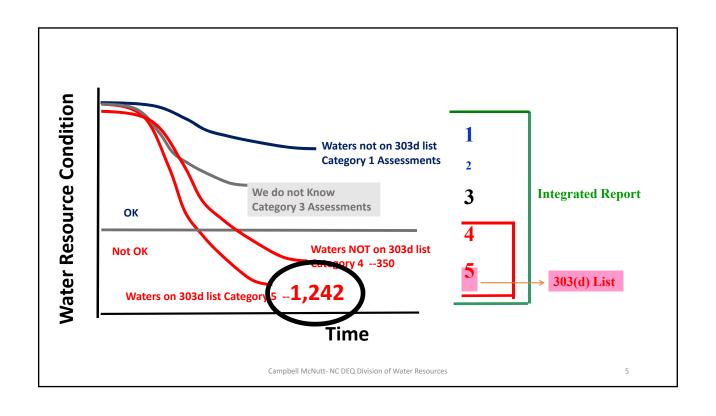
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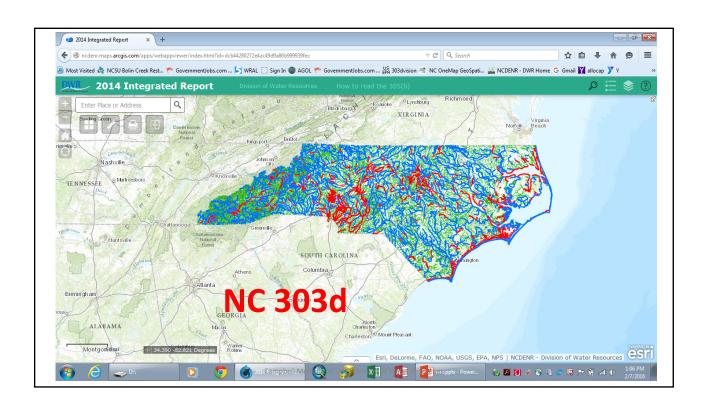
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Category 4 vs. Category 5

- Both assessment Categories Exceeding Criteria
- No difference Water Resource Condition
- Category 5 requires a "PLAN" per CWA
 - TMDL
 - Management Plan
- Category 4
 - "PLAN" completed/not required- but Water Resource Condition has not yet changed

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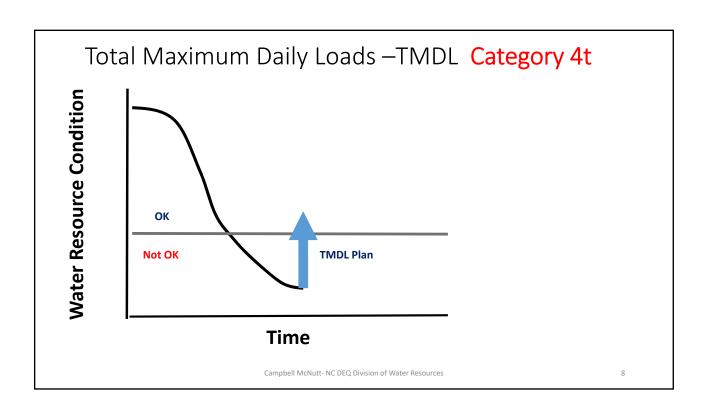


DEQ DWR Commitment

- Develop Restoration or Protection Plans for 58 waters
- Scheduled through 2022
- Protection Plans associated with State Parks
- Some TMDLs- associated with permitted facilities
- Priority Plans

EPA WQ 27

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4t TMDLS

- Sets a pollutant reduction target
- Parameter specific -20% reduction in turbidity needed
- Requires EPA approval to move from Category 5 (303d waters)
- 322 TMDL assessments (AUs with a TMDL for at least one parameter)
- 92 are in Category 1t (most without documented implementation)
- TMDLs more appropriate for permitting
- Most Category 5 Assessments are not related to permits

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Alternatives to TMDL Development

- •4b Management Strategy
- •5r Priority Plan or 9-element plan
- 4c Hydrologic Alteration Dam (if time)

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4b Demonstrations

- Plan to implement a Pollution Control Strategy
- Requires EPA approval to move from Category 5 (303d waters)
- Requires robust schedule of implementation (rules and money)
- Regular updates to EPA (track implementation success)
- There are 22 AUs under 4b demonstrations
- Examples in NC include
 - Falls Lake Nutrient Management Strategy
 - Little Alamance Creek- Burlington
 - McDowell Creek- Charlotte
 - Ore Knob- EPA superfund

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5r (5-alt)Demonstration-New

- Priority Plan, Watershed Restoration Plan or 9-Element Plan
- Priority Plans do not have \$\$ and Rules
- Required for 319 and other funding sources
- Delays TMDL development
- EPA does not approve the Priority Plan –still in Category 5
- EPA does determine if the Plan will count toward DWR commitment

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を Source Planner

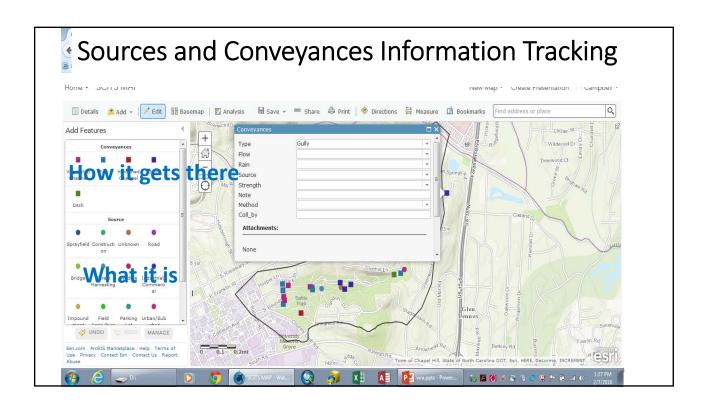
- Rapid dent and update of watershed plans
- Web man based information

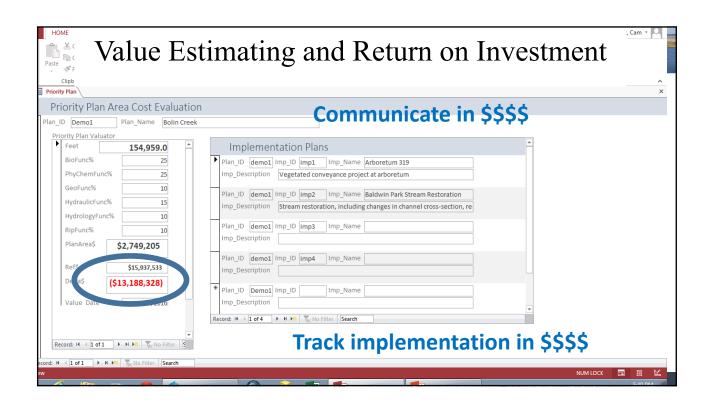
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- Integrates information from existing too THERE ew tools into the watershed plan

 LATER
- Improve stakeholder education and con.
- Improve project tracking and improvements
- Measures UPLIFT at project level temporar and spatial scales

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4c Demonstrations (New-Kind of)

- Current NC use of Category 4c
 - Exceeding Criteria and a dam or hydrologic alteration is the proximal reason for Exceeding Criteria
 - Requires EPA approval when moving from Category 5
 - Currently NC has 12 4c assessments
- EPA guidance is encouraging greater use of 4c to identify waters where hydrologic alteration is a concern
- NC is working through the an assessment method that may be used by 2018

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