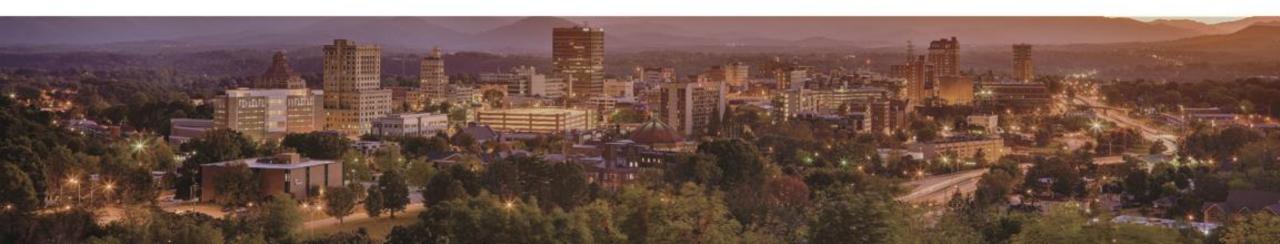
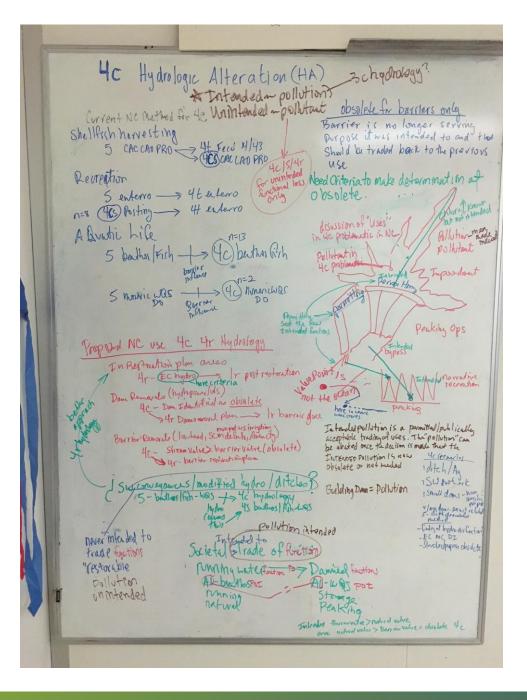




Considerations for Using Integrated Reporting subcategory 4C

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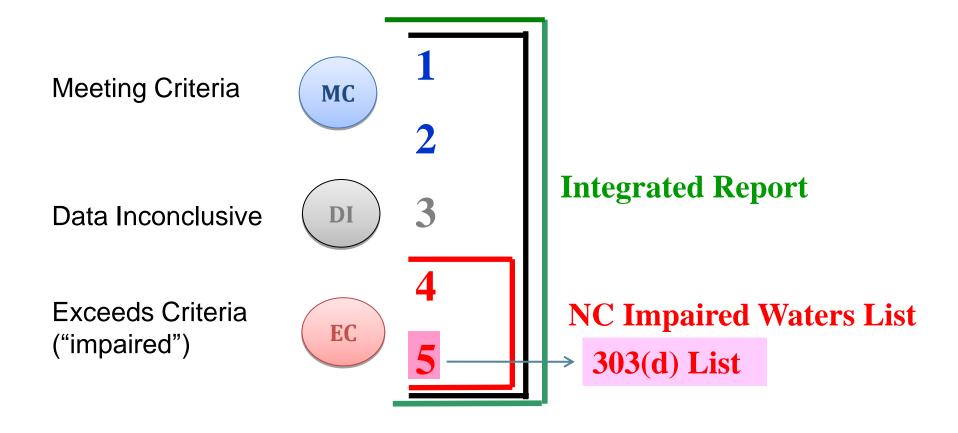


NC 4C Overview

- Current NC approach
- Dam removal handbook
- Standards Adjacent Parameters
- Theory of Intentions
- Other potential 4c scenarios
- Considerations and
- What not to do



Integrated Reporting Categories





Current Approach

- Parameters directly affected by dam operations
 - Dissolved Oxygen
 - Benthic Community
- Obsolete dams
 - New for 2022
 - Dam Removal handbook



Dam Removal Handbook

https://www.americanrivers.org/wp-content/uploads/2023/01/NC-Dam-Removal-Handbook_FNL46.pdf

4C determination that the dam is obsolete

4R plan in place for dam removal

1R dam removed

Parameters are outlined in the handbook. This is how we measure success



Standards Adjacent Parameters

- Never used in Category 5
- Straight to implementation
- Associated with water quality standards
- Qualitatively assessed
- Hydraulics, hydrology, aquatic passage
- Livestock, riparian condition, geomorphology also available



Theory of Intentions



Other Potential Scenarios

- NC Explored these in terms of 4c and hydrology
- Interface of Stormwater infrastructure and WOTUS
- Ditch networks

 Decided to use 4R for these (straight to implementation)



Considerations and What not to do

- Should all dams be in 4c?
- How would 4c impact the 303d list?
- Do not confuse "uses" and "water quality standards"
- Meeting uses and blaming Dams

