NC DEQ Div. of Water Resources RULEMAKING GOALS AND PURPOSE

- Engage stakeholders in watershed planning
- Draft rule language to reduce nutrient loading to High Rock Lake
- Prioritize and enable creative and innovative solutions that meet the needs of residents
- Reduce nutrient loading in a fair, reasonable, and proportionate manner
- Prevent an increase in harmful algal blooms and ensure that High Rock Lake continues to be fishable and swimmable
- Protect drinking water supplies along the Yadkin River

Clean Water Act REQUIREMENTS FOR STATES

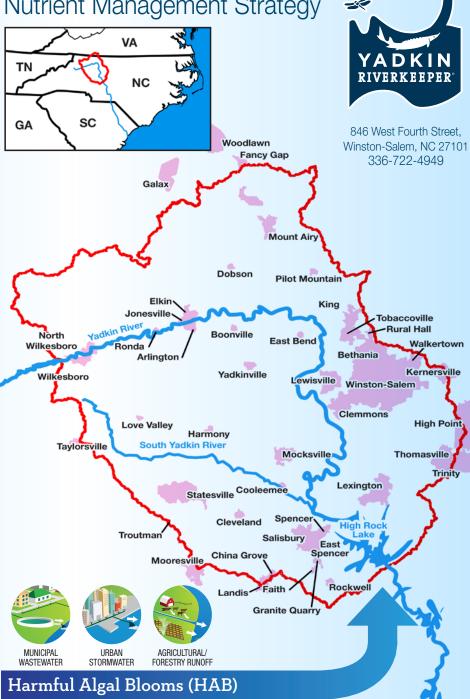
- Set water quality parameter standards to protect "uses" (recreation, drinking water, fishing, etc.)
- When WQ parameters are exceeded, designate a water body "impaired"
- inputs to comply with WQ standards
- Monitor implementation until WQ standards are met
- Clean up the water body so it is no longer considered polluted \rightarrow This is the goal.

HRL Management Actions To Date

2004	 High Rock Lake designated as "impaired" for chlorophyll-a
2005-10	 Intensive WQ monitoring for nutrient source documentation
2010-16	 Watershed model development Lake nutrient response model development
2016-20	Nutrient Criteria Development Process (WQ standard reassessment)
2021	Rule planning
2022-23	 Informal stakeholder outreach (ongoing) Facilitated Engagement Rule language drafting
2023-26	 Rule proposals, feedback, submission, public comments, approval

High Rock Lake

Nutrient Management Strategy



Limiting nutrients and sediments going into HRL will reduce the potential for harmful algal blooms that can be toxic to humans, pets and wildlife.

High Rock Lake DRAFT RULE DEVELOPMENT TIMELINE

	Sep-21	Mar-22	Sep-22	Mar-23	Sep-23	Mar-24	Sep-24	Mar-25	Aug-25
Draft Strategy Framework									
Stakeholder Engagement Phase I									
Draft Rule Language									
Shareholder Engagement Phase II									
Rulemaking Approval									
Public Comment Period									
Final Approval									