

Step 8

Structuring the Watershed Plan's Priorities and Schedule

Mariko Polk *GIS Watershed Specialist*



North Carolina
Coastal Federation
Working Together for a Healthy Coast

Develop a Monitoring Plan

Used to

- Ensure plan is effective
- Ensure appropriate reduction techniques were used
- Milestones are being met
- Schedule is on track

Quantitative, numerical data should be measured

Can use

- Pre-existing water quality monitoring stations
- Design new sampling stations

	Indicator	Measured by
1	Water quality parameter (ex: fecal coliform count)	Comparing numerical before and after measurements of the water quality indicator
2	Stormwater Runoff Volume	Applying stormwater reduction techniques and determining how much stormwater is reduced by the techniques as each new project is installed

Example

Establish Evaluation Criteria

- **Criteria to evaluate progress towards meeting objectives**
- **Why**
 - Improve efficiency of plan
 - Improve quality of plan
 - Meets needs of community

Evaluation	Indicator
Mid-course evaluation	Conduct full assessment of plan
Education and Outreach Evaluation	Full evaluation of Education and Outreach success

Example

Establish Milestones

- Show progress through the life of the plan
- Specific, measurable and achievable
- Set short-, mid-, and long-term milestones

Examples Milestones

- # Gallons of stormwater reduced
- # Shellfish areas reopened
- # Acres no longer impaired
- # Education events held

Identify Planning Needs

- Identify Technical Needs
- Identify Funding Resources and Opportunities

Consider

- Permitting Fees
- Staffing and Labor
- Equipment
- Education Activities
- Outsourced Work
- In-kind matching



Implementation Schedule

Consider

- Actions that needs to be completed
- Partner who is responsible for completing the actions
- Time frame to complete the action
- Maintenance schedule
- Cost
- Funding source
- Indicator of success

Potential Project Ideas	Completed By	Maintenance Schedule	Indicator
Printing and mailing of Outreach Material to residents with additional prints made available at public buildings.	Year 5	Annually	# of 1,000 residents mailed
Develop a downspout disconnection program for residents.	Year 5	Annually, incorporate into residential related events.	# of 1 programs
Shade tree planting along Main Street.	Year 10	Annually, incorporate with regular landscape maintenance.	# of 50 trees planted

Example Implementation Schedule

Action	Partner	Time	Maintenance Schedule	Cost	Funding Source	Indicator
Action 1: Install downspout retrofits at public buildings with educational signage						
Install downspout retrofits at public buildings	Town Hall	Year 3	Once a year, check for wear. Include as part of building's regular inspections	\$1,000; installed by volunteers	Town: Capital Improvements Budget	# of 23 retrofits installed
Install Education signage for downspout retrofits	Town Hall	Year 3	Once a year, check for wear. Include as part of building's regular inspections	\$1,000; designed and installed by contractor	Grant	# of 5 signs installed at: <ul style="list-style-type: none"> • Town Hall • Library • Com Center • Park 1 • Park 2

Draft the Plan

Watershed Management Plan Writing Template

Things to Consider

- Every plan is different
- What works for some may not work for your watershed
- Always consider the needs of the watershed when collecting information and writing the plan

[TURN ON COMMENTS TO SEE ALL INSTRUCTIONS]


[Review Tab > Tracking > Drop-down menu: All Markup]]

[Insert Cover Image, delete this text box]

[Watershed Name]

Coastal Watershed Restoration Plan

[YEAR]

 **N.C. Coastal Federation**
Thank you for utilizing the coastal watershed management template developed by the North Carolina Coastal Federation, a non-profit dedicated to restoring and protecting the coast of North Carolina.

For more information, find us at:
nccoast.org/guidebook

This template was designed to assist the watershed restoration plan writing process. This template is not a stand-alone document and is intended to be used in tandem with the Watershed Management Planning Guidebook, created by the North Carolina Coastal Federation. This template is a suggested format based on our knowledge and past experience in developing watershed plans. This template is intended to merely be a tool, not all components within this plan may be necessary for your watershed. The suggestions given are also not exhaustive.

To use this template:

- Utilize this document with the Guidebook and working with your water quality/water resource/watershed state agencies.
- The examples, suggestions, and ideas given are intended to aid in the brainstorming, development, and writing process based on previous experience. This guidance is not a substitution for mandatory statutes, regulations, or requirements by federal, state or local agencies.
- The formatting and order of each chapter was based on previous experience, you may need to rearrange sections to best suit the needs of your watershed plan.
- All [bracketed text] should be deleted and replaced with the content that is suggested in the instructions within the brackets.
- It is suggested that non-bracketed text be left within the document as is and/or be customized to meet the need of your watershed.
- Refer to the Comments side bar for sections with further instruction. Please remove Comments from the side bar upon completion of your plan. Review Tab > Comments: Delete button

Questions

ncccoast.org/guidebook