

# Country Pond Watershed Planning Project Update

## Country Pond Watershed Management Plan Phase 1: Direct Drainage Area

**DRAFT**



*Photo: Marie Sapienza*

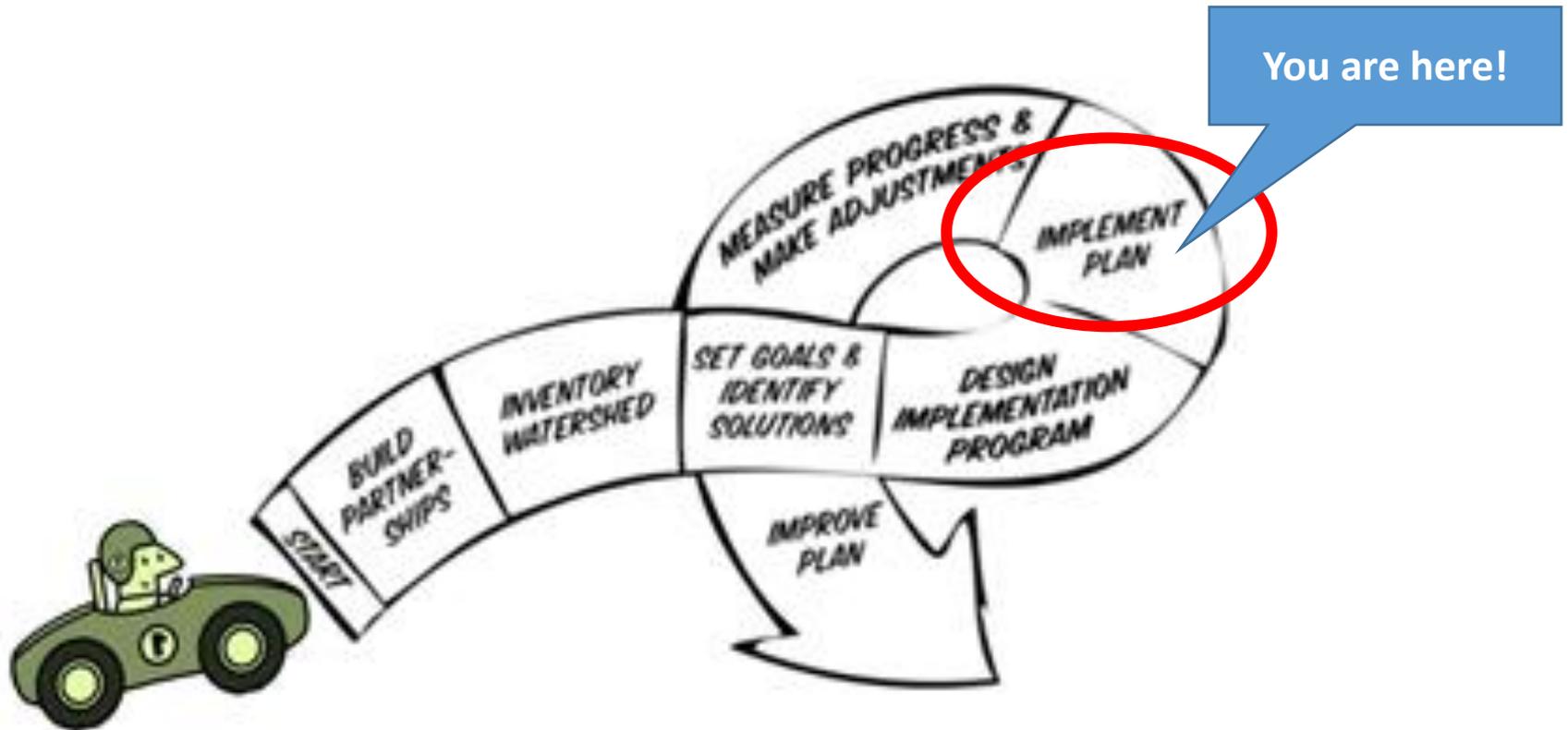
### Planning Partners:



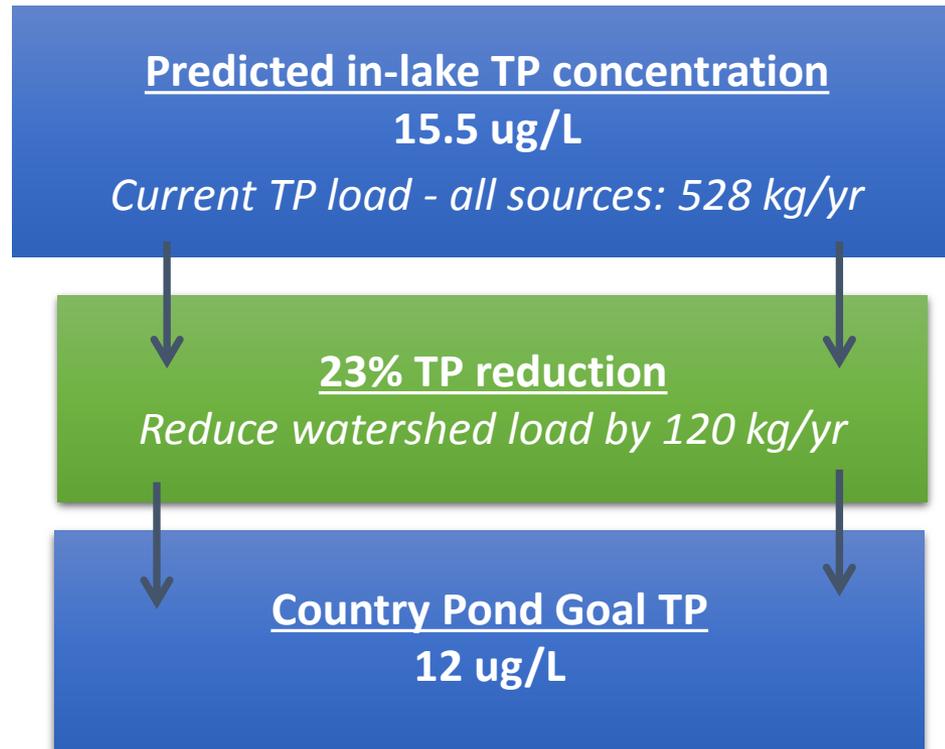
### Planning Consultants:



# Watershed Planning Progress



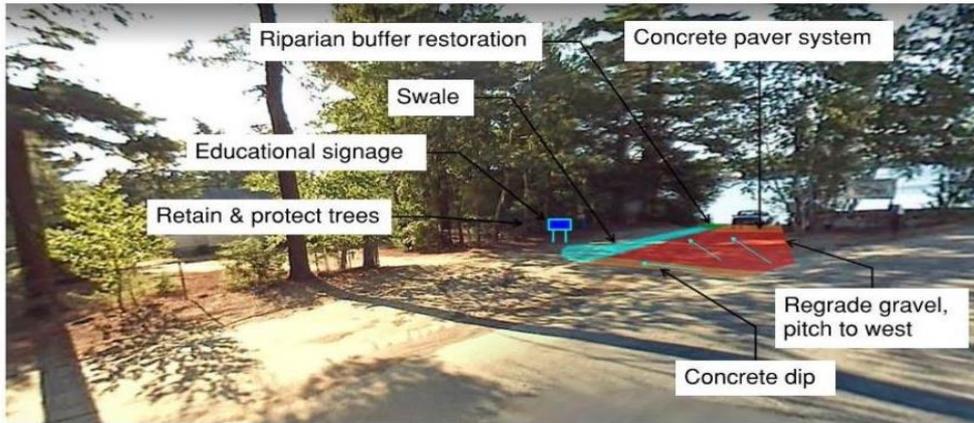
# Water Quality Goal



# Implementation Actions

## Structural

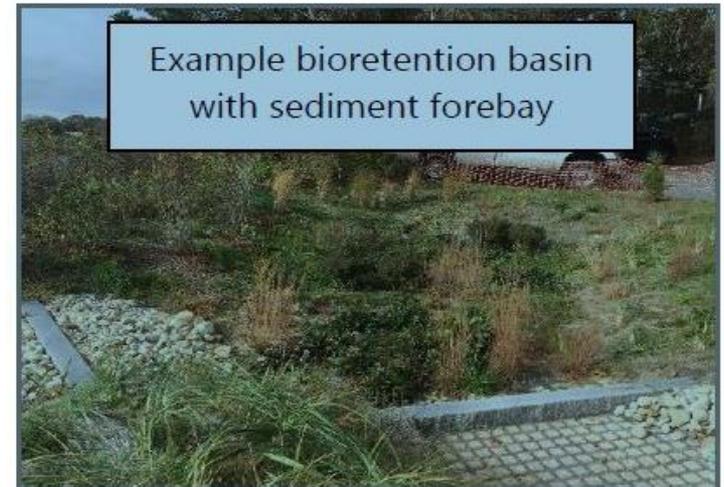
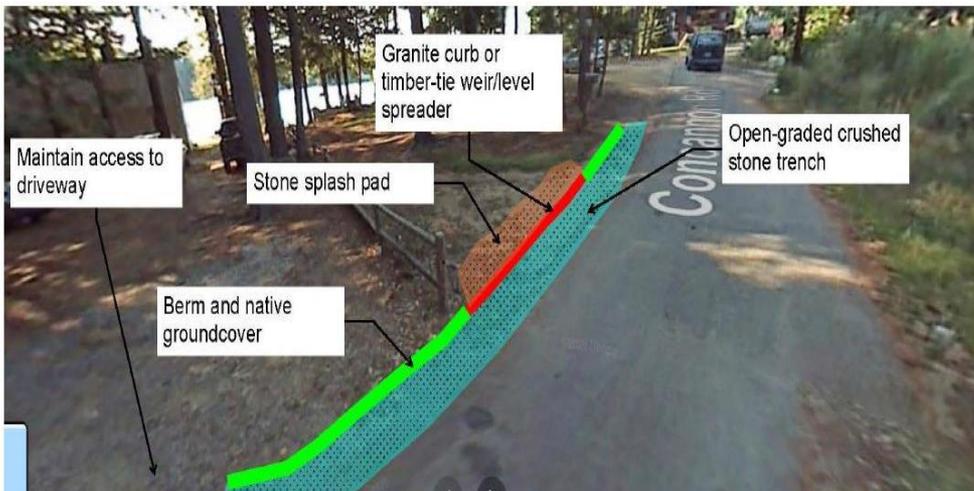
### Newton Boat Launch



### Wenmarks Road



### Concannon Road



# Implementation Actions

## *Non-structural*

BMP	Description	Responsible Party	Phosphorus Load Reduction <sup>1</sup> (lbs/yr)	Ease of Implementation <sup>8</sup>	Priority Ranking <sup>9</sup>
Fertilizer Program <sup>2</sup>	Switch to phosphorus-free fertilizer and certify that no phosphorus has been applied.	Town DPW/Highway Depts., NHDOT	18.3	Good	High
Street Sweeping <sup>2</sup>	Year-round sweeping of 50% of roads in the watershed, using vacuum assisted sweeper.	Town DPW/Highway Depts., NHDOT	10.6	Good	Medium
Leaf Litter Management <sup>4</sup>	Provide municipal leaf collection at least 4 times during October and November.	Town DPW/Highway Depts., NHDOT	6.8	Good	Medium
Shoreline Buffer <sup>5</sup>	Retrofit developed areas along shoreline with 20-ft no-mow/no-alteration grassed buffer and preserve existing buffers.	Town Staff, Conservation Groups	3.5	Good	High
Catch Basin Cleaning <sup>2</sup>	Remove accumulated materials from catch basins in the watershed such that a minimum sump storage capacity of 50% is maintained throughout the year.	Town DPW/Highway Depts., NHDOT	0.5	Very Good	Low
Regulations	Establish municipal regulations to enable/promote improved stormwater management, buffer protections, and shoreland controls.	Town planning staff	Undetermined	Fair	Medium
Land Conservation	Coordinate with groups to prioritize land conservation goals/target parcels.	Town planning staff	Undetermined	Good	High
Impervious Disconnection <sup>3</sup>	Divert runoff from impervious areas such as roadways, parking lots and roofs, and discharge it to adjacent vegetated permeable surfaces.	Town DPW/Highway Depts., NHDOT	1.6	Fair	Low
<b>Total potential phosphorus load reduction</b>			<b>41.3 lbs/yr</b>		

# Implementation Actions

## Measuring Success

**Volunteer Lake Assessment Program Individual Lake Reports**  
**COUNTRY POND, KINGSTON, NH**

**MORPHOMETRIC DATA**

Watershed Area (Ac.):	10,432	Max. Depth (m):	9.4	Flushing Rate (yr):	0.1	Year	1985	Trophic class	
Surface Area (Ac.):	255	Mean Depth (m):	3	P Retention Coef.:	0.48	1985	MESOTROPHIC		
Shore Length (m):	7,700	Volume (m <sup>3</sup> ):	1,139,000	Elevation (ft):	115	2002	MESOTROPHIC		

The Waterbody Report Card tables are generated from the DRAFT 2020 305(b) report on the status of N.H. waters, and are based on data collected from 2010-2019. Detailed waterbody assessment and report card information can be found at [NHDES' Water Quality Assessment Website](https://www.nh.gov/DES/Programs/WaterQualityAssessment/Website/).

Designated Use	Parameter	Category	Comments
Aquatic Life	Phosphorus (Total)	Cautionary	Limited data for this parameter: predicts exceedance of water quality standards or thresholds; however more data are necessary to fully assess the parameter.
	pH	Slightly Bad	Data periodically exceed water quality standards or thresholds for a given parameter: by a small margin.
	Oxygen, Dissolved	Encouraging	Limited data for this parameter: predicts water quality standards or thresholds are being met; however more data are necessary to fully assess the parameter.
	Dissolved oxygen Satura	Encouraging	Limited data for this parameter: predicts water quality standards or thresholds are being met; however more data are necessary to fully assess the parameter.
	Chlorophyll-a	Good	Sampling data is better than the water quality standards or thresholds for this parameter.
Primary Contact: Recreation	Escherichia coli	No Data	No data for this parameter.
	Cyanobacteria (scatolo)	Bad	Cyanobacteria blooms.
	Chlorophyll-a	Encouraging	Limited data for this parameter: predicts water quality standards or thresholds are being met; however more data are necessary to fully assess the parameter.

**BEACH PRIMARY CONTACT ASSESSMENT STATUS**

COUNTRY POND - TASKER DAY CAMP BEACH	Escherichia coli	Encouraging	Limited data for this parameter: predicts water quality standards or thresholds are being met; however more data are necessary to fully assess the parameter.
COUNTRY POND - LONE TREE SCOUT RESV. BEACH	Escherichia coli	Very Good	All sampling data meet water quality standards or thresholds for this parameter.
COUNTRY POND - TOWN BEACH	Escherichia coli	Very Good	All sampling data meet water quality standards or thresholds for this parameter.
COUNTRY POND - TASKER DAY CAMP BEACH	Cyanobacteria	Bad	Cyanobacteria (also m/s).
COUNTRY POND - LONE TREE SCOUT RESV. BEACH	Cyanobacteria	Bad	Cyanobacteria (also m/s).
COUNTRY POND - TOWN BEACH	Cyanobacteria	Bad	Cyanobacteria (also m/s).

**VLAP SAMPLE STATION MAP:** This map depicts the location of routine sampling stations discussed on page two of the report.



**COUNTRY POND KINGSTON VOLUNTEER LAKE ASSESSMENT PROGRAM**

STATIONID	STATION NAME
COUN0	DEEP SPOT
COUN1	NORTH-DEEP INLET
COUN2	NORTH
COUN3	SOUTH-INLET

Map created by NHDES using ArcGIS. All rights reserved. NHDES is not responsible for any errors or omissions in this map. For more information, contact NHDES at 603-271-3000 or www.nh.gov/DES/Programs/WaterQualityAssessment/Website/.



# Next Steps

- Watershed plan to be finalized (June 2021)
- NHDES Watershed Assistance Grants (WAG) pre-proposal application for implementation funding released (June 10, 2021)
- Planning meeting to discuss WAG pre-proposal for Country Pond (June 9, 2021)
- Application deadline is September 17, 2021