Municipality/Organization: Town of Exeter, NH

EPA NPDES Permit Number: NHR041007

Annual Report Number Year 15
& Reporting Period: April 1, 2017 – March 31, 2018

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2018)

Part I. General Information

Contact Person:	Jennifer Mates, P.E.	Title:	Assistant Town Engineer
Telephone #:	(603) 418-6431	Email:	jmates@exeternh.gov
Mailing Address	: 13 Newfields Rd, Exeter, NH 03833		

Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature:	D	
Printed Name:	Russell Dean	
Title:	Town Manager	
Date:		

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Part II. Self-Assessment

The Town of Exeter has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions, with the possible exception of the following provisions:

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- 1. The permittee must determine whether stormwater discharges from any part of the MS4 contribute; either directly or indirectly, to a 303(d) listed water body.
- 2. The stormwater management program must include a section describing how the program will control the discharge of the pollutants of concern and ensure that the discharges will not cause an instream exceedance of the water quality standards. This discussion must specifically identify control measures and BMPs that will collectively control the discharge of the pollutant(s) of concern. Pollutant(s) of concern refers to the pollutant identified as causing the impairment.

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PUBLIC EDUCATION & OUTREACH

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- Drug Drop-Off Box Exeter Police Department The Exeter Police Department has taken a step further
 to help protect our waterways by providing a safe, sustainable and secure method to dispose of
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PUBLIC PARTICIPATION

BMP #5 PUBLIC NOTICE

Completed 1st year

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CONSTRUCTION SITE RUNOFF CONTROL

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Completed – The Town has reviewed the stormwater regulations and has proposed updates for compliance with the 2017 MS4 permit. It is anticipated that the Planning Board will review and adopt the updates in 2018.

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ADDITIONS

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POLLUTION PREVENTION AND MUNICIPAL GOOD HOUSEKEEPING

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LIST OF ATTACHMENTS

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- 2. Exeter Select Board MS4 presentation (BMP #3)
- 3. Rain Garden sign (BMP #3)
- 4. Norris Brook Buffer sign (BMP #3)
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- 6. Think Blue (BMP #4)
- 7. Police Department Drug Drop-off (BMP #4)
- 8. Household Hazardous Waste Day announcement (BMP #4)
- 9. Spring leaf pickup (BMP#4)
- 10. Fall leaf pickup (BMP#4)
- 11. Rain barrel sale announcement (BMP #7)
- 12. Conservation Commission VRAP volunteer flyer (BMP #7)
- 13. VRAP data summary (BMP #7)
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- 15. Street sweeping announcement (BMP #4, #23)

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- 1. Exeter Community Open House flyer (BMP #1)
- 2. Exeter Select Board MS4 presentation (BMP #3)
- 3. Rain Garden sign (BMP #3)
- 4. Norris Brook Buffer sign (BMP #3)
- 5. Septic Week announcement (BMP #4)
- 6. Think Blue (BMP #4)
- 7. Police Department Drug Drop-off (BMP #4)
- 8. Household Hazardous Waste Day announcement (BMP #4)
- 9. Spring leaf pickup (BMP#4)
- 10. Fall leaf pickup (BMP#4)
- 11. Rain barrel sale announcement (BMP #7)
- 12. Conservation Commission VRAP volunteer flyer (BMP #7)
- 13. VRAP data summary (BMP #7)
- 14. ESRLAC annual report (BMP #7)
- 15. Street sweeping announcement (BMP #4, #23)

TOWN OF EXETER COMMUNITY OPEN HOUSE Join town bourse for





SPONSORED BY THE TOWN OF EXETER, NH
AND THE SETTING SAIL PROJECT

Climate Change, Adaptation & Resilience

Join town staff and civic groups for an open house featuring initiatives in the Town of Exeter that address climate change and how the community might adapt to create a more resilient and sustainable future.

Wander through interactive exhibits to learn about the many exciting activities happening in your community. Discover how you can participate and be a climate champion!

Tuesday, Feb. 6, 2018 4:30–7:30pm Town Hall, 10 Front St.

Light refreshments will be served.

2017 Master Plan

Exeter Rises

Selectmen's 2017 Proclamation to support the Paris Climate Accord Healthy Lawns & Clean Water Committee

Climate Risk in the Seacoast Flood Assessment

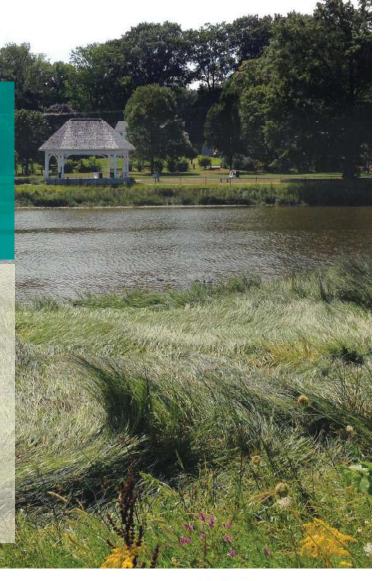
Exeter
Conservation
Commission

Exeter Water Trail Installation

Exeter Energy Committee

Exeter NH Transition Town

350 NH Offshore Wind



Be a climate champion!







NPDES NH Small MS4 Permit **Town of Exeter**

Overview of New Hampshire Small Municipal Separate Storm Sewer System (MS4) **Permit Requirements**



WRIGHT-PIERCE

Presented by: Lyndsay Butler, PE

Agenda

- NPDES Introduction
- NPDES NH Small MS4 Permit
- What is MS4? (stormwater collection & conveyance systems)
- Regulated Areas
- Comparison of Permit Requirements (2003 to 2017)
- Threatened or Impaired Water Bodies
- NPDES Wastewater Permit and AOC
- Implementation Timeline

WHY A RAIN GARDEN? By keeping rain -or storm-water in the natural water cycle a rain garden is a positive response to the growing urban problem of storm water runoff. The built environment can remove rainfall from the water cycle in ways that disrupts our ecosystem. The Founder's Park Rain garden demonstrates how a rain garden functions to improve water quality and return it to the groundwater.

SURFACES such as roofs and roadways are "impervious" to water-- that is do not directly allow for the filtration of water back to earth. With big rainfall events stormwater runoff can overwhelm municipal sewer systems and cause sewage overflows. Untreated sewage moves into storm sewers and then directly to streams, rivers, laes and oceans. Today, many communities including the Twn of Exeter are facing considerable costs for rebuilding sewage treatment plants due to not only the pressure of new development, but also from the additional volumes of stormwater caused by impervious surfaces. Impervious surfaces also contribute to water pollution. Water that movees over impervious surfaces can deliver pollutants from cars, trucks and other sources to our natural water systems and drinking water.

AS A NATURAL VEGETATED FILTER a rain garden can help by "treating" the stormwater it collects. Plants naturally "clean-u[" many of the pollutants found in stormwater in their growing process by utilizing nitrates and other substances. Microorganisms in the soil mix "feed" on some pollutatnts. The sandy soil mix filters out other substances present in the stormwater that cloud water and are known as Total Suspended Solids. These cleansing processes work together to improve the quality of the stormwater and keep it in the natural water cycle.

running off from Chestnut Street that would otherwise enter into a catch basin and release directly into the Exeter River. Over the course of a year, this small rain garden can help to treat nearly 34,000 gallons of water before returning the water to the groundwater. Important design elements of the garden:

Stones check the speed of stormwater as it enters our rain garden to help limit erosion; A frame which precludes mosquitos; An overflow pipe to the lawn area prevents flooding of the pathway and parking area in an unusually large storm event;

Predominately native, pathway and parking area in an unusually large storm event; Predominately native, selected plants are more likely to prevail through the demanding regimen of periodic flooding and drought and invite wildlife such as songbirds and butterflies

THE FUTURE With time, the plantings will mature and raise the quantities of water and pollutants treated while also increasing the scale and diversity of the garden's wildlife habitat. Silt may collect on the bottom of the stream bed and refuse may clog the overflow valve requiring occasional removal. Little other maintenance is required.



Volunteer students from Exeter High School prepare the soil for the slopes of the rain garden and install the shrubs and perennials



The Exeter Department of Public Works prepares the rain garden under the design and direction of Ironwood design group.

Boulders slow water as it enters the garden off the steep hill of Chestnut Street. A special compost mix quickly infiltrates the stormwater back into the groundwater table.







Images of the first rain after the curb cut and installation of the rain garden.

Stormwater flowing down Chestnut Street is diverted to the rain garden.

Before, stormwater flowed to a nearby catch basin and discharged untreated, directly into the Exeter River.







HOW CAN YOU? Sponsor or in-

stall a rain garden of your own. For more in-

formation on the use of rain gardens in preserving

water quality, please refer to Ironwood design group's

website: www.fewood.com. Visit the suppliers that gen-

erously donated to our garden for the purchase of

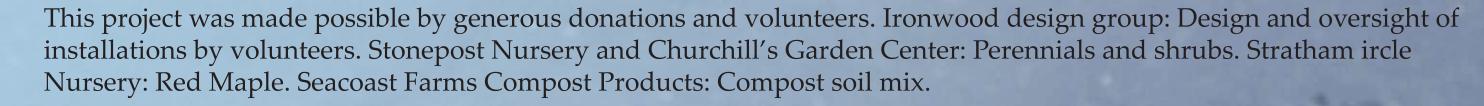
compost, native plants and other materials that

benefit our natural ecosystem.











WATER QUALITY BUFFER at Norris Brook, Swasey Parkway

Trees, shrubs and other plants along the banks of streams, rivers, and wetlands play an important role in the health of waterways.

These vegetated areas (buffers) stabilize banks, moderate temperatures, and filter pollutants such as fertilizers and pesticides.

In 2004, the Town of Exeter along with our many partners identified below, worked with volunteers to replant a buffer along this section of Norris Brook. These plants provide an attractive landscape, create habitat for birds and pollinators, and serve an important role in keeping our river healthy.

By planting this buffer and reducing mowing adjacent to Norris Brook we contribute to improved water quality in the brook, the tidal Squamscott River into which the brook flows, and ultimately to Great Bay, the Squamscott's final destination.







Legend

Plants used in the buffer:

These are just a sample of the plants chosen to enhance this buffer. For this project, annual and perennial plant species were selected with the goal to provide year round color and interest. With the diversity of plants available, plant selection can easily be tailored to meet site conditions and property owner's individual goals. If you are considering planting a buffer along a watercourse, the Town or the State Department of Environmental Services can provide a list of species to help guide your selection.







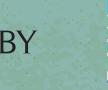
BLUE LUPINS



TALL BONESET



WINTERBERRY















Exeter, NH Public Works

@ExeterNHPublicWorks

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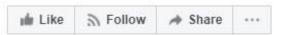
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Today wraps up Septic Smart week!

Remember: It's important to apply these tips if you're on a private septic or town sewer!



3/26/2018 Think Blue Exeter

Published on Town of Exeter New Hampshire Official Website (http://exeternh.gov)

Think Blue Exeter



As rain and snow-melt, also known as stormwater, flows across streets, parking lots, and other surfaces it collects dirt, debris, and chemicals carrying them directly to our rivers and streams. This polluted run-off is called Stormwater Pollution. Our habits play a major role in this type of pollution.

Click the Homeowners category below to learn ways you can help reduce Stormwater Pollution because...CLEAN WATER STARTS WITH YOU!!!

What is Stormwater Pollution?

As stormwater (or rain and snow-melt) flows across buildings, streets, parking lots, and other surfaces it collects dirt, debris, and chemicals and carries them directly to our rivers and streams. Collectively, these surfaces which do not allow water to penetrate are called impervious surfaces. The polluted run-off that flows across them and into our streams is called Stormwater Pollution.

What's the Water Quality Status of Exeter's Streams and Rivers?

As a result of water testing, NH Department of Environmental Services has designated the majority of Exeter's streams and rivers as "impaired" for one or more uses. This means the water contains pollutants which can be harmful to aquatic life, fish consumption, or humans during either direct or indirect contact.

To view how widespread this designation is, click <u>HERE [2]</u> [2] to view Exeter's "impaired rivers". As you look at this map remember, **BLUE** means the water course meets standards, **RED** means it does not. With the majority of Exeter's waterways in red on this map, you may be starting to understand the purpose of the THINK BLUE program.

How Can You Help?

Our habits play a major role in this type of pollution. To find out what simple changes you can make to reduce the amount of pollutants entering our rivers, explore the links below and be sure to check out our "Ducky Ads" at the bottom of the page. You may have seen or heard them on Channel 98 or WXEX.

We need more people to THINK BLUE because CLEAN WATER STARTS WITH YOU!!!



3/26/2018 Think Blue Exeter

Think Blue: About Us [3]



Think Blue: Homeowners [4]



Think Blue: Kids Page [5]

Click any thumbnail image to view a slideshow



Supporting Documents

Stormwater Rubber Duck PSA [8] (587 KB)

Devil Ducky Lawncare PSA [9] (4 MB)

Rainstorm Radio Ad [10] (1 MB)

🗖 <u>Car Wash Radio Ad</u> [11] (896 KB)

🗎 <u>Healthy Lawns Clean Water - Lawn Care</u> [12] (66 MB)

Source URL: http://exeternh.gov/bcc/think-blue-exeter

- [1] http://exeternh.gov/sites/default/files/styles/gallery500/public/imageattachments/bcc/page/11641/thinkblueexeter web.gif?itok=H67 eRE
- [2] http://www3.epa.gov/region1/npdes/stormwater/nh/305bMaps/Exeter NH.pdf
- [3] http://exeternh.gov/bcc/think-blue-about-us
- [4] http://exeternh.gov/bcc/think-blue-homeowners
- [5] http://exeternh.gov/bcc/think-blue-kids-page
- [6] http://exeternh.gov/sites/default/files/styles/gallery500/public/imageattachments/bcc/page/11641/runoffreturns_small.gif?itok=Rf4wvByq
- [7] http://exeternh.gov/sites/default/files/styles/gallery500/public/imageattachments/bcc/page/11641/thinkblue_cleanwater_.gif?itok=UilL7VWs

 [8] http://exeternh.gov/sites/default/files/fileattachments/boards_committees_and_commissions/page/11641/thinkblueexeter_psa.wmv
- [9] http://exeternh.gov/sites/default/files/fileattachments/boards_committees_and_commissions/page/11641/thinkbluelawncare_final.wmv
- [10] http://exeternh.gov/sites/default/files/fileattachments/boards_committees_and_commissions/page/11641/rainstorm_exeter.mp3
- [11] http://exeternh.gov/sites/default/files/fileattachments/boards_committees_and_commissions/page/11641/carwash_exeter.mp3

http://exeternh.gov/sites/default/files/fileattachments/boards_committees_and_commissions/page/11641/exeter_healthy_lawns_clean_water_duckman_2016_psa.wmv

2/2 http://exeternh.gov/print/11641

Published on Town of Exeter New Hampshire Official Website (http://exeternh.gov)

Drug Drop-Off Box

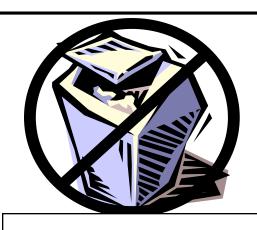


The Exeter Police Department has taken a step further to help keep harmful, unused medications out of the hands of children as well as out of the environment. Open Source Research shows that every day 2,500 kids abuse prescription drugs for the first time. Seventy percent of people who abuse prescription pain relievers say they got them from friends or relatives.

Currently, many unwanted or expired household and prescription medications are improperly disposed of. The harmful methods being used include flushing the drugs down toilets or putting them into the garbage. Both of these methods have damaging effects on our environment and contaminate our water supply. Therefore, The Exeter Police saw the need for a unit that would provide a source for proper disposal of unwanted or expired household and prescription medications, and placed a secured container in the lobby of the Police Department.

The Exeter Police Department's MedReturn Drug Collection Unit provides a safe, sustainable and secure method to dispose of unwanted or expired household medicines or prescription medication. There has been a great response from the Exeter community during our Drug Take Back events that have been coordinated with the D.E.A. The Exeter Police is committed to continuing to offer these services as well as now providing a 24hr 7 day a week- no questions asked-disposal option.

http://exeternh.gov/print/11381



Hazardous Waste in *Your* Home??

Hazardous Waste is not just an industrial problem.

Many household products contain hazardous chemicals. We are all hazardous waste generators!

2017 HOUSEHOLD HAZARDOUS WASTE COLLECTION EXETER, STRATHAM, NEWFIELDS, EAST KINGSTON, EPPING, SEABROOK & SOUTH HAMPTON

SATURDAY, OCTOBER 21, 2017

8:00 am—1:00 pm
Exeter Public Works Garage, Newfields Road (Route 85), Exeter

FROM THE FROM THE FROM THE FROM THE YARD **GARAGE** HOUSE WORKBENCH Pesticides Rechargeable Batteries Motor Oil Rust Remover **Insect Sprays** Auto Batteries Drain & Oven Cleaners Wood Preservatives Furniture Polish Rodent Killers Antifreeze Paint Thinners **Pool Chemicals** Brake Fluid Metal Polish Oil Based Paints Muriatic Acid Wax & Polish Fluorescent Light bulbs Solvents No-Pest Strips Engine Degreasers Photo Chemicals Degreasers Lead sinkers, flashing Carburetor Cleaner **Mercury Thermometers** Mercury Asbestos (wetted and double bagged) Fire Extinguishers Creosote

LIMIT PER HOUSEHOLD: 10 GALLONS or Equivalent

LATEX Paint and Alkaline Batteries not Accepted (not hazardous)

NOTE: Electronic Recycling will not be held at HHW day.

IMPORTANT NOTE:

The following wastes **cannot be accepted**:
Gas Cylinders, Explosive Materials, Ammunition,
Radioactive Materials, Infectious and Biological
Wastes, Prescription Medicines/Syringes,
Esters, and Unknown Materials.

Please don't bring them!



COLLECTION IS FOR EXETER, STRATHAM, NEWFIELDS, EAST KINGSTON, EPPING, SEABROOK & SOUTH HAMPTON RESIDENTS ONLY

Sponsored by the Towns of Exeter, Stratham, Newfields, East Kingston, Epping, Seabrook & South Hampton.
Organized by Rockingham Planning Commission—778-0885.
For more information: Exeter: 778-0591; Stratham: 772-4741; Newfields: 772-5070;
East Kingston: 642-8406; Epping: 679-5441; Seabrook: 474-9771; and South Hampton: 394-7696

*** A DONATION OF \$5 PER HOUSEHOLD IS REQUESTED TO HELP OFFSET COSTS. ***



WE WILL NOT BE COLLECTING ELECTRONICS AT THE 2017 HOUSEHOLD HAZARDOUS WASTE

TIPS ON TOXICS

PURCHASE

- ⇒ Read the label. Look for the words "non-toxic" and compare products:
- ⇒ Use non-toxic alternatives. Many times a general household cleaner is just as effectives as a specialized product;
- **⇒** Buy only what you need;
- ⇒ Buy products with child-proof packaging;
- ⇒ Buy non-aerosol products. Aerosols product a fine mist which, when breathed, can settle deep in the lungs. Chemicals are then quickly absorbed into the bloodstream. Aerosol cans can explode if stored near heat or flame.

USE

- ⇒ Use products in a well ventilated room and avoid breathing fumes. Take breaks and work outside whenever possible;
- ⇒ Wear protective clothing;
- → NEVER mix products. Combining ammonia and chlorine bleach produces deadly chlorine fumes. Mixing chemicals can even cause explosions;
- → Use only the recommended amount. Twice as much is not twice as good and may be twice as toxic.
 - IF PREGNANT, avoid exposure to toxics;
- ⇒ In case of poisoning call Poison Control at (1-800-562-8236).

STORAGE

- ⇒ Store in a safe place. Keep all toxics away from children:
- → Close containers securely. Some products like gasoline, oil-based paint & thinner can evaporate & pollute the air where they are stored.
- **⇉** Keep all products in their original containers.

DISPOSAL

- ⇒ Use up a product to there is nothing left to dispose; the simplest of all disposal solutions!
- ⇒ Donate leftover paints and other products to a service organization. Make sure the product is securely packaged and well
- ☐ Take motor oil to a recycling center in your area. Some service stations accept used motor oil; many Towns do at their public works garages, including Exeter and Stratham;
- ⇒ Never pour harmful chemicals down the drain or on the ground. These chemicals include pesticides, paints, preservatives, automotive products, home hobby chemicals and cleaning fluids;
- → Take your household toxics to the household hazardous waste collection.
 Individuals can take left-over chemicals to a central collection point and the chemicals are disposed of at licensed treatment and disposal facilities:
- □ Take advantage of New Statewide programs for LEAD SINKER AND NiCd BATTERY ⇒ disposal available year round. For the location of disposal sites in the area contact the NHDES or the Rockingham Planning Commission at the numbers shown below.

FOR MORE INFORMATION CALL...

NH Poison Control — 1-800-562-8236
NH Dept of Environmental Services — 271-2047
Rockingham County/UNH Coop. Ext.— 679-5616
Rockingham Planning Commission — 778-0885

WHEN MAKING PURCHASES, AVOID PRODUCTS CONTAINING:

Benzene, Toluene, Naphthalene, Trichloroethylene, Tetrachloroethylene, Methylene Chloride, Carbon Tetrachloride

Spring Leaf Pick-up



[1]

Curbside spring leaf pick-up will be May 1st - 5th 2017 on your regular pick-up day.

Northside Carting will pick-up leaves curbside twice each year (1 spring and 1 fall date). Bags must be biodegradable paper bags and placed curbside by 7 a.m. on your rubbish collection day (12 bag limit per residence). Bags are available to purchase at local hardware or grocery stores. In addition, leaves can be taken directly to the Transfer Station(no permit required) during hours of operation.

Leaves brought to the Transfer Station or collected curbside are composted. Compost is available to residents free of charge. For availability contact Public Works!

Source URL: http://exeternh.gov/publicworks/spring-leaf-pick-1

Links:

[1]

http://exeternh.gov/sites/default/files/styles/gallery500/public/imageattachments/publicworks/page/34591/leaf_and_rake.jpg?itok=4ZkVLef7

10/25/2017 Fall Leaf Pick-up

Published on Town of Exeter New Hampshire Official Website (http://exeternh.gov)

Fall Leaf Pick-up



Curbside fall leaf pick-up will be November 27th - December 1st on your regular pick-up day.

Waste Management picks-up leaves curbside twice each year (1 spring and 1 fall date). Bags must be biodegradable paper bags and placed curbside by 7 a.m. on your rubbish collection day (12 bag limit per residence). Bags are available to purchase at local hardware or grocery stores. In addition, leaves can be taken directly to the Transfer Station (no permit required) during hours of operation.

Leaves brought to the Transfer Station or collected curbside are composted. Compost is available to residents free of charge.

Source URL: http://exeternh.gov/publicworks/fall-leaf-pick-0

Links:

[1] http://exeternh.gov/sites/default/files/styles/gallery500/public/imageattachments/publicworks/page/40551/img_7835.jpg? itok=sikHKpTm

http://exeternh.gov/print/40551

2017 Spring Rain Barrel Sale



The Exeter Conservation Commission and Exeter Healthy Lawns Clean Water Committee is pleased to announce our partnership with The Great American Rain Barrel Company. We are offering Exeter residents an opportunity to purchase rain barrels through our Exeter Community Program.

Orders must be placed by **May 6th** and will be distributed on **May 13th 9am-12am** at the Department of Public Works. For more information and to place your order click the link below and select Community Programs, Exeter NH

https://www.greatamericanrainbarrel.com/ [1]

Source URL: http://exeternh.gov/bcc-cc/2017-spring-rain-barrel-sale

Links:

[1] https://www.greatamericanrainbarrel.com/



Exeter Conservation Commission

2017 Volunteer River Assessment Program (VRAP) Water Testing

Come learn about the health of our local rivers while collecting important water quality data in the Town of Exeter. Each year the Town participates in the New Hampshire Department of Environmental Services river monitoring program which evaluates water quality throughout NH.

We meet every Wednesday at 8:30 am in the municipal parking lot behind the Town Office building. We have also added one Saturday per month this year. From there we travel to different sites throughout town and sample water by lowering a bucket down from bridges. There is no need to enter the river itself. We are usually back at the parking lot by 11 at the latest and sooner as people become accustomed to the methods.

Training and equipment provided. If you have any questions, contact Kristen Murphy at kmurphy@exeternh.gov or (603) 418-6452.

Created by: KM Kristen Murphy

▼

Date (mm/dd/yyyy EDT)	Location	Available Slot	Calendar View
06/14/2017 (Wed. 8:30am -	10 Front	Volunteer 1	Sign Up
11:00am)	Street	Volunteer 2	Sign Up
06/21/2017 (Wed. 8:30am -	10 Front St	Volunteer 1	Sign Up
11:00am)		Volunteer 2	Sign Up
06/24/2017 (Sat. 8:30am - 11:00am)		Volunteer 1	Sign Up
	Street	Volunteer 2	Sign Up
06/28/2017 (Wed. 8:30am -	10 Front	Volunteer 1	Sign Up
11:00am)	Street	Volunteer 2	Sign Up
07/05/2017 (Wed. 8:30am -	10 Front	Volunteer 1	Sign Up
11:00am)	Street	Volunteer 2	Sign Up
07/12/2017 (Wed. 8:30am -	10 Front	Volunteer 1	Sign Up
11:00am)	Street	Volunteer 2	Sign Up
07/19/2017 (Wed. 8:30am -	10 Front St	Volunteer 1	Sign Up

Submit and Sign Up

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Privacy Policy | Home

07/22/2017 (Sat. 8:30am - 11:00am)		Volunteer 1	Sign Up
	Street	Volunteer 2	Sign Up
07/26/2017 (Wed. 8:30am -	10 Front	Volunteer 1	Sign Up
11:00am)	Street	Volunteer 2	Sign Up
08/09/2017 (Wed. 8:30am -	10 Front	Volunteer 1	Sign Up
11:00am)	Street	Volunteer 2	Sign Up
08/16/2017 (Wed. 8:30am -	10 Front	Volunteer 1	Sign Up
11:00am)	Street	Volunteer 2	Sign Up
08/26/2017 (Sat. 8:30am - 11:00am)	10 Front	Volunteer 1	Sign Up
	Street	Volunteer 2	Sign Up

2017 EXETER RIVER WATERSHED VRAP DATA

Measurements not meeting New Hampshire surface water quality standards

Measurements not meeting NHDES quality assurance/quality control standards

15-EXT, Exeter River, Haigh Road, Exeter - NHDES Trend Station

Date	Time of Sample	DO (mg/L)	DO (% sat.)	рН	Turbidity (NTUs)	Specific Conductance (μS/cm)	Water Temp. (°C)	Chloride (mg/L)	E. coli (CTS/100mL)	E.coli Geometric Mean
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 μS/cm ^A	NA	230 ^B	>406	<126
02/14/2017	14:15	15.28	104.5	6.12	0.54	248.1	0.0	48.0		
06/22/2017	14:30	8.25	94.4	7.02	1.28	239.2	22.1	50.0	40	
07/20/2017	13:15	6.49	78.8	6.79	2.04	260.9	25.0	62.8	70	
08/17/2017	14:00	7.24	82.2	6.55	1.13	285.4	21.6	69.2	80	61
09/13/2017	11:50	8.65	90.6	6.81		237.7	17.6			
09/25/2017	11:00	7.15	78.3	6.68		260.4	19.7			

Date	Time of Sample	Total Phosphorus (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Nitrite (NO2)+ Nitrate(NO3) (mg/L)	Total Nitrogen (mg/L)
Standard	NA	Narrative	Narrative	Narrative	Narrative
02/14/2017	14:15	0.015	0.31	0.19	0.50
06/22/2017	14:30	0.028	0.52	0.17	0.69
07/20/2017	13:15	0.021	0.52	0.26	0.78
08/17/2017	14:00	0.015	0.27	0.21	0.48

 $^{^{}A}$ Specific conductance > 835 μ S/cm indicate exceedance of chronic chloride standard of 230 mg/L

^B Chronic water quality standard

 $^{^{\}rm c}$ Calculated using 1/2 of the 0.25 mg/L detection limit of TKN (0.125 mg/L)

14-EXT, Exeter River, Pickpocket Dam/Cross Road Bridge, Exeter

Date	Time of Sample	DO (mg/L)	DO (% sat.)	рН	Turbidity (NTUs)	Specific Conductance (µS/cm)	Water Temp. (°C)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 μS/cm ^A	NA
06/23/2017	9:00	7.84	91.1	6.72	2.14	217.4	22.7
07/05/2017	8:48	7.83	91.9	6.65	2.03	216.3	23.4
07/26/2017	8:53	8.34	92.7	6.74	2.13	240.7	20.6
08/29/2017	9:38	8.41	89.9	6.37	1.86	231.7	18.7

13-EXT, Exeter River, Kingston Road (Route 111) Bridge, Exeter

Date	Time of Sample	DO (mg/L)	DO (% sat.)	рН	Turbidity (NTUs)	Specific Conductance (µS/cm)	Water Temp. (°C)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 μS/cm ^A	NA
06/23/2017	9:26	7.44	87.4	6.45	1.80	215.2	23.5
07/05/2017	9:06	7.39	86.2	6.67	1.92	219.9	23.0
07/26/2017	9:12	8.00	88.3	6.43	1.63	239.9	20.2
08/29/2017	9:56	8.01	84.9	6.54	1.52	235.3	18.3

12A-EXT, Exeter River, Linden Street Bridge, Exeter

Date	Time of Sample	DO (mg/L)	DO (% sat.)	рН	Turbidity (NTUs)	Specific Conductance (µS/cm)	Water Temp. (°C)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 μS/cm ^A	NA
06/23/2017	9:52	6.90	79.4	6.38	2.42	216.3	22.3
07/05/2017	9:28	6.99	80.5	6.57	3.81	218.4	22.4
07/26/2017	9:35	7.44	81.8	6.39	3.25	246.7	19.9
08/29/2017	10:11	8.26	87.2	6.52	2.25	242.4	18.1

12-EXT, Exeter River, Court Street/Route 108 Bridge, Exeter

Date	Time of Sample	DO (mg/L)	DO (% sat.)	рН	Turbidity (NTUs)	Specific Conductance (µS/cm)	Water Temp. (°C)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 μS/cm ^A	NA
06/23/2017	10:20	6.34	73.4	6.52	2.95	213.0	22.7
07/05/2017	9:42	6.76	78.8	6.41	5.30	232.0	23.1
07/26/2017	10:04	7.53	83.0	6.59	3.40	242.7	20.0
08/29/2017	10:41	7.51	79.5	6.47	2.93	242.3	18.2

05-LTE, Little River, Garrison Road Bridge, Exeter

Date	Time of Sample	DO (mg/L)	DO (% sat.)	рН	Turbidity (NTUs)	Specific Conductance (μS/cm)	Water Temp. (°C)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 μS/cm ^A	NA
06/14/2017	9:00	6.70	76.1	6.52	2.47	206.3	21.8
06/28/2017	8:50	6.83	72.8	6.71	4.19	245.5	17.7
07/19/2017	8:50	7.00	81.4	6.65	1.98	244.7	22.9
08/29/2017	11:01	8.95	92.5	6.85	1.08	258.3	17.0

02-LTE, Little River, Linden Street Bridge, Exeter

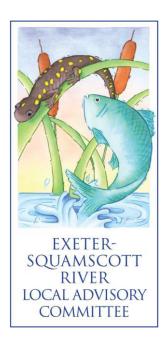
Date	Time of Sample	DO (mg/L)	DO (% sat.)	рН	Turbidity (NTUs)	Specific Conductance (µS/cm)	Water Temp. (°C)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 μS/cm ^A	NA
06/14/2017	9:43	6.06	70.5	6.51	3.47	203.1	23.0
06/28/2017	9:28	6.57	70.5	6.63	5.73	256.9	18.8
07/19/2017	9:25	6.04	71.1	6.50	4.14	27.2	23.5
08/29/2017	11:26	7.16	75.6	6.61	3.23	256.5	17.9

00-LTE, Little River, Gilman Street Bridge, Exeter

Date	Time of Sample	DO (mg/L)	DO (% sat.)	рН	Turbidity (NTUs)	Specific Conductance (µS/cm)	Water Temp. (°C)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 μS/cm ^A	NA
06/14/2017	9:59	6.88	79.5	6.35	4.63	231.3	22.7
06/28/2017	9:50	7.01	74.9	6.52	6.73	288.9	18.5
07/19/2017	9:58	6.44	75.8	6.55	5.13	286.4	23.5
08/29/2017	11:43	8.75	93.2	6.39	6.11	278.4	18.4

09-EXT, Exeter River, High Street Bridge, Exeter

Date	Time of Sample	DO (mg/L)	DO (% sat.)	рН	Turbidity (NTUs)	Specific Conductance (µS/cm)	Water Temp. (°C)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above background	835 μS/cm ^A	NA
06/14/2017	10:41	5.68	66.3	6.31	4.01	215.1	22.9
06/28/2017	10:13	5.99	70.6	6.67	5.28	225.6	23.6
07/19/2017	10:25	7.78	86.1	6.49	5.54	241.5	20.3
08/29/2017	11:59	8.71	96.8	6.78	3.78	266.1	19.5



ESRLAC Representatives:

Brentwood: Emily Schmalzer

Eric Turer

Chester: Vacant Danville: Vacant East Kingston: Vacant

Exeter: Donald Clement

David O'Hearn

Fremont: Ellen Douglas

John Roderick

Kensington: Vacant

Kingston: Evelyn Nathan Newfields: William Meserve

Raymond: Vacant

Sandown: Mark Traeger

Stratham: Donna Jensen

Nathan Merrill

2017 Annual Report Exeter-Squamscott River Local Advisory Committee

www.exeterriver.org

The Exeter-Squamscott River is enrolled in the New Hampshire Rivers Management and Protection Program, a unique partnership between citizens, towns and state government designed to promote and protect the river's outstanding natural and cultural resources. Established in 1996, the Exeter-Squamscott River Local Advisory Committee (ESRLAC) is comprised of citizen volunteers living in towns in the watershed, vested in working together to protect water quality, water quantity, wildlife habitat and recreational opportunities. The Exeter-Squamscott River is one river with two names, reflecting the fresh water (Exeter River) and salt water (Squamscott River) portions of this major tributary to Great Bay.

2017 marked ESRLAC's 21st year of acting "for the good of the river". The Committee continued to review proposals for land development along the river, providing information and analysis to developers, local boards and state agencies. ESRLAC reviews all plans closely to identify and recommend ways in which natural resources in and alongside the river may be protected through stormwater management and other conservation minded development practices.

In September, ESRLAC hosted an informational meeting on the future of the Mill Road dam in Brentwood. The workshop provided residents with information about management of the dam, including dam repair versus dam removal.

Also in 2017, ESRLAC refreshed the Committee's website, www.exeterriver.org, designed to share the watershed management plan, as well as river related research and reports. Work on the website will continue in 2018, with the goal of creating a robust library for river stewardship.

ESRLAC seeks members from all communities in the watershed. If you are a resident of Chester, Raymond, Fremont, Sandown, Danville, Kingston, East Kingston, Brentwood, Kensington, Exeter, Stratham, or Newfields and are interested in joining ESRLAC, please call the Rockingham Planning Commission at 603-778-0885 for more information.



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Street Sweeping is not just about keeping roadways clean.

- Regular cleaning keeps debris & trash from building up. This keeps properties looking great & prevents storm drains from getting clogged and flooding.
- Clean & clear pavement protects the public. When street gutters become filled with debris, they can potentially cause vehicles to spin out or collide. Sidewalks filled with debris can be dangerous for pedestrians & cyclists because they may be forced to swerve into the road to avoid big objects, mud, or other trash. Regular sweeping can take care of these safety hazards.
- Regular sweeping prevents harmful bacteria from growing & spreading. Road trash contains organic compounds, a breeding ground for bacteria, which can be dangerous for both humans & animals.
- Street sweeping ultimately protects cars & other vehicles from getting damaged. Gravel, trash, & other debris can be detrimental to tires & undercarriages.
- Pavement that is swept on a regular basis keeps water supplies safe by preventing particulates, trace metals, & other hazardous materials from entering storm drains.









