



The State of New Hampshire
Department of Environmental Services

Robert R. Scott, Commissioner



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March 17, 2022

His Excellency, Governor Christopher T. Sununu
And The Honorable Council
State House
Concord, New Hampshire 03301

REQUESTED ACTION

Accept, under the provisions of RSA 20:7, the Department of Environmental Services' 2020-2021 biennial report.

EXPLANATION

The New Hampshire Department of Environmental Services is pleased to submit the Fiscal Year 2020-2021 Biennial Report for the biennium ended June 30, 2021, in accordance with RSA 20:7. This report details the financial and staff resources necessary to help NHDES carry out its essential and broad mission of helping sustain a high quality of life for all residents by protecting and restoring the environment and public health in New Hampshire. The report also provides information regarding many of the department's accomplishments over the past two fiscal years.

We respectfully request your acceptance of this report.

Robert R. Scott
Commissioner

New Hampshire
Department of Environmental Services

2020-2021 BIENNIAL REPORT

Fiscal Year Ended June 30, 2021
Pursuant to RSA 20:7



Cover photo: Pleasant Lake, Elkins
Kathryn Michener; November, 2021



New Hampshire
Department of Environmental Services
2020-2021 Biennial Report
Fiscal Year Ended June 30, 2021

Pursuant to RSA 20:7

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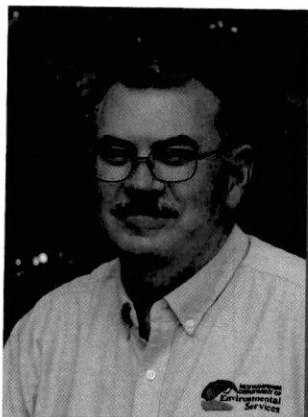
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Table of Contents

From the Commissioner	iv
Mission and Strategic Goals	vi
FY 2020-2021 In Review	1
Funding and Expenditures for Fiscal Year 20-21	16

From the Commissioner



I am pleased to provide you with the New Hampshire Department of Environmental Services' (NHDES) Biennial Report to the Legislature for the 2020 and 2021 Fiscal Years. Over the last two fiscal years, NHDES has accomplished much and has risen to meet many challenges. The way the world gets work done has changed as a result of the COVID-19 pandemic, and that applies to NHDES as well. Most of our staff, like many of you, transitioned to working remotely for a little more than a year and by the end of the 2021 fiscal year, were back in our office building. But during that entire time, we never stopped working to service our customers and stakeholders, we just had to learn how to be more creative in how we did our work.

The effort by NHDES staff to transition to working remotely in a very short period of time was exceptional. A lot of effort by staff, and assistance from our colleagues at the Department of Information Technology, made the change as painless as possible. During the time that we were working remotely, we worked closely with the Governor to issue Emergency Order #29 (April 9, 2020), on Executive Branch Deadlines and Requirements, as it pertained to NHDES. Essentially, this order gave NHDES the flexibility to work with the regulated community in a collaborative manner to address situations made untenable by the COVID-19 pandemic. To be clear, this did not allow or loosen any regulations that would result in harm coming to the environment. In most cases, it was more of an administrative accommodation to reflect the realities of that moment – an extension of timeframes for certifications and licensing, and a mechanism to allow additional time for some permitting decisions, should the need arise.

Throughout the biennium, NHDES staff worked to embody our mission to protect and restore the environment and public health in New Hampshire. Some of the NHDES highlights over the biennium include: In July of 2019, final rules establishing Maximum Contaminant Levels (MCLs) and Ambient Groundwater Quality Standards (AGQS) for four widely-used PFAS chemicals (PFOA, PFOS, PFHxS and PFNA) were approved and scheduled to go into effect on October 1, 2019. While a lawsuit delayed their implementation, legislative action codified the MCLs in 2020 and the rule went into effect October 1, 2020. The work being done at NHDES on all aspects of PFAS contamination is extensive and establishes New Hampshire as one of the leading states in the country on the issue.

During the biennium, NHDES celebrated the 50th Anniversary of Earth Day on April 22, 2020. Although a number of our plans for the celebration could not be realized, NHDES did launch a very successful video challenge series called #OneThing4Earth, which highlighted one act that people do to help the environment.

One of the challenges that NHDES had to face during the biennium was a difficult drought that started in June of 2020. By September of that year, 90% of the State was in drought, with severe drought in five counties. As the drought continued to worsen, on October 23, at the request of Governor Chris Sununu, the New Hampshire Drinking Water and Groundwater Advisory Commission and NHDES created a new first-of-its-kind initiative to provide short-term relief and financial assistance for low-income New Hampshire homeowners served by residential wells that were experiencing insufficient water or no water due to drought conditions. Thanks to this program, more than 100 homeowners have been able to have their

wells replaced. Additionally, the program will be prepared to help homeowners in the future when, not if, drought returns.

A project that will provide drought resiliency for years to come, and that reached a number of milestones during the biennium, was the Southern New Hampshire Regional Water Interconnection Project. While the project is not complete, several ribbon cutting events were celebrated, including one in August of 2020 at a critical Manchester pump station. The Manchester Road Pump Station is critical to increase the Town of Derry's flow capacity from the Manchester Water Works, which is required to deliver one million gallons per day now, and up to 3.13 million gallons per day in the future, to the downstream water recipients to address groundwater contamination and supply issues. The towns receiving the water include Windham, Salem, and Plaistow, and Hampstead Area Water Company's services in the Towns of Atkinson and Hampstead. The project received funding from both the MtBE Settlement Funds and the New Hampshire Drinking Water and Groundwater Trust Fund. These funds were established to address groundwater contamination using money from settlements and lawsuits with the companies that produced MtBE, a gasoline additive.

One of our central goals, too, is to engage with and educate our community. We've continued our timely expansion of online services, hosted multiple workshops, released several educational publications and connected with the community through social media; but our biggest tool for connecting with everyone we work with is our website. On December 8, 2020, NHDES launched a completely redesigned and reimagined website. The new site provides users with information organized by environmental topic, with the goal of creating multiple pathways to find the right content. The new website is just the tip of the iceberg for some of the projects we have underway at NHDES to help improve the way in which we provide access to our information in the years to come.

Beyond the few examples I listed above, the following pages of the Biennial Report provide only a glimpse of the diverse and multi-faceted work NHDES has completed during this biennium. With your support, and that of our partner agencies and organizations and other stakeholders, we can continue to uphold the NHDES mission of protecting and restoring the environment and public health of New Hampshire to provide our citizens with the utmost quality of life. I encourage you to visit our website at www.des.nh.gov to gain a greater look into what we do here at NHDES.



Robert R. Scott
Commissioner

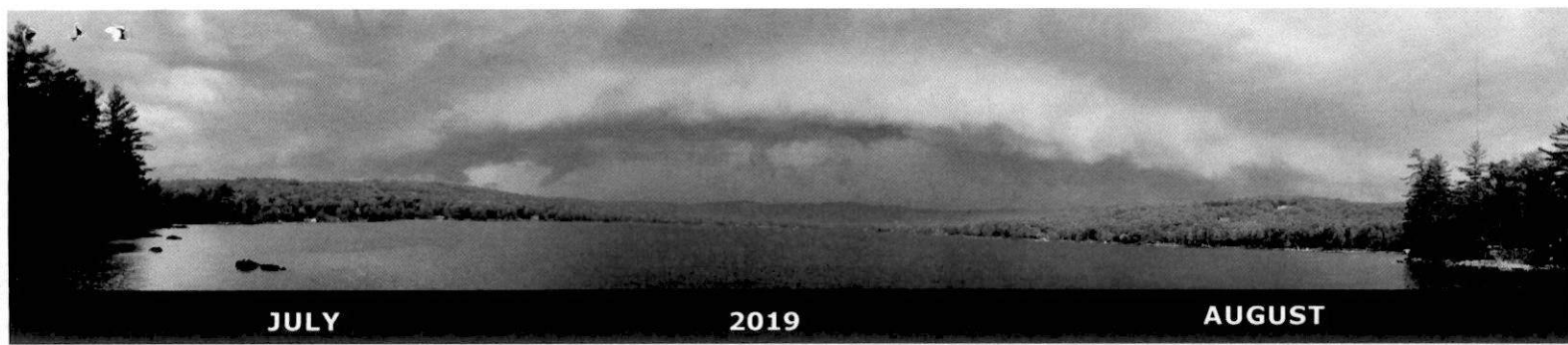
Mission and Strategic Goals

MISSION

The mission of the New Hampshire Department of Environmental Services is to help sustain a high quality of life for all citizens by protecting and restoring the environment and public health in New Hampshire.

GUIDING PRINCIPLES

- We provide timely and consistent high quality customer service.
- We promote mutual respect and effective straightforward communications.
- We consider quality of life, public health and safety, economic vitality and the concerns of our citizens while pursuing our responsibilities under the law.
- We strive for excellence in all of NHDES' operations, are committed to continuous improvement and consider innovative approaches.
- We are committed to scientifically and technically sound, cost-effective and environmentally appropriate solutions.
- We provide leadership on environmental and sustainability issues.
- We consider the long-term, cumulative and cross-media effects of our policies, programs and decisions.
- We foster environmental awareness and stewardship through communication, education, outreach and assistance.
- We afford fair and equitable treatment of all individuals and groups in the implementation of federal and state environmental laws, rules, programs and policies and in the management of the agency.
- We maintain a work environment that attracts and retains the most dedicated and talented staff.



FY 2020-2021 In Review

2019

JULY

Funding to protect existing sources of public drinking water. On July 12, NHDES announced funding to develop and implement programs to protect existing sources of public drinking water. These grants are made available annually to water suppliers, municipalities, regional planning agencies, non-profit organizations, educational institutions, conservation districts and state agencies. Over the last 23 years, over 300 Local Source Water Protection Grants have been awarded to drinking water partners across the state to undertake efforts to secure and protect public sources of drinking water.

PFAS rulemaking. On July 18, NHDES' final rulemaking proposal to establish Maximum Contaminant Levels (MCLs)/drinking water standards and Ambient Groundwater Quality Standards (AGQS) for four per- and poly-fluoroalkyl substances (PFAS): perfluorooctanoic acid (PFOA), perfluorooctanesulfonic acid (PFOS), perfluorononanoic acid (PFNA) and perfluorohexanesulfonic acid (PFHxS) was approved by the New Hampshire Joint Legislative Committee on Administrative Rules, and scheduled to go into effect on October 1, 2019. While a lawsuit delayed their implementation, legislative action codified the MCLs in 2020 and the rule went into effect October 1, 2020. The MCLs were set as follows:

PFAS	Final Proposed MCL and AGQS
PFOA	12 ppt
PFOS	15 ppt
PFHxS	18 ppt

PFAS

Final Proposed MCL and AGQS

PFNA

11 ppt

Private well sampling. On July 30, NHDES announced an initiative to sample 500 randomly selected private wells for over 250 chemicals and parameters. The sampling was paid for through a grant from the Drinking Water and Groundwater Trust Fund. The sampling program provided information to homeowners about the quality of their drinking water and, when necessary, steps that can be taken to improve water quality. State officials and scientists use this information to evaluate the occurrence, concentration and sources of certain emerging contaminants in drinking water including perchlorate, 1,4-dioxane, PFAS and pesticides and their breakdown products.

Another aspect to the Drinking Water and Groundwater Trust Fund Statewide Private Well Sampling Program is targeted sampling and analysis of water from households that were randomly selected to participate in the [2019 New Hampshire Tracking and Assessment of Chemical Exposures \(TrACE\) Study](#). This biomonitoring study includes testing blood and urine from people for many of the same chemicals being analyzed in water. This collaboration provides information about the relationship between chemicals measured in drinking water and in the bodies of study participants.

AUGUST

NHDES and NHFG lift ban on harvesting shellfish due to "red tide." On August 9, NHDES and the New Hampshire Fish and Game Department (NHFG) lifted the ban on harvesting shellfish due to "red tide" for all species of shellfish except surf clams. The harvest closure went into effect on May 9, 2019 for the Atlantic Ocean and

Hampton/Seabrook Harbor in response to elevated levels of paralytic shellfish poisoning or PSP, commonly known as "red tide," detected in blue mussels collected from Hampton/Seabrook Harbor, and from Gosport Harbor, Isles of Shoals. The harvest closure was later extended to Great Bay and Little Bay on June 28.

NHDES Coastal Program Restoration Coordinator NHDES staffer, Kevin Lucey, recognized by EPA. On August 9, The Gulf of Maine Council recognized Kevin Lucey, NHDES Coastal Program Restoration Coordinator, for his exemplary work and leadership on the region's most significant restoration efforts, including the Resilient Tidal Crossings Project as well as multiple dam removal projects. Kevin recently led an on-the-ground effort to assess every tidal crossing in the state, which resulted in new mapping products and data that characterize tidal crossings for community and ecosystem resilience. This information can be used by community officials and road managers to enact strategic repair/replacement of tidal crossing infrastructure and to identify high priority restoration and conservation opportunities at tidal crossings sites.

SEPTEMBER

New Hampshire Coastal Flood Risk Summary released. On September 3, NHDES released the *New Hampshire Coastal Flood Risk Summary, Part I: Science* (Part 1), as well as a request for input on the DRAFT *New Hampshire Coastal Flood Risk Summary, Part II: Guidance for Using Scientific Projections* (Part II). Pursuant to RSA 483-B:22, NHDES convened representatives of multiple state agencies, Rockingham Planning Commission, Strafford Regional Planning Commission, and the University of New Hampshire to supervise an update of storm surge, sea-level rise, precipitation, and other relevant projections originally summarized in the 2014 report to the New Hampshire Coastal Risk and Hazards Commission: *Sea-level rise, storm surges, and extreme precipitation in coastal New Hampshire: Analysis of past and projected future trends*.

2019 EPA Environmental Merit Awards. On September 10, four individuals and three organizations in New Hampshire were recognized by the US Environmental Protection Agency (EPA) for their work to protect New England's environment, including two NHDES employees and a NHDES program. These environmental leaders were among the 25 recipients across New England honored by EPA's New England office at the 2019 Environmental Merit Awards ceremony.

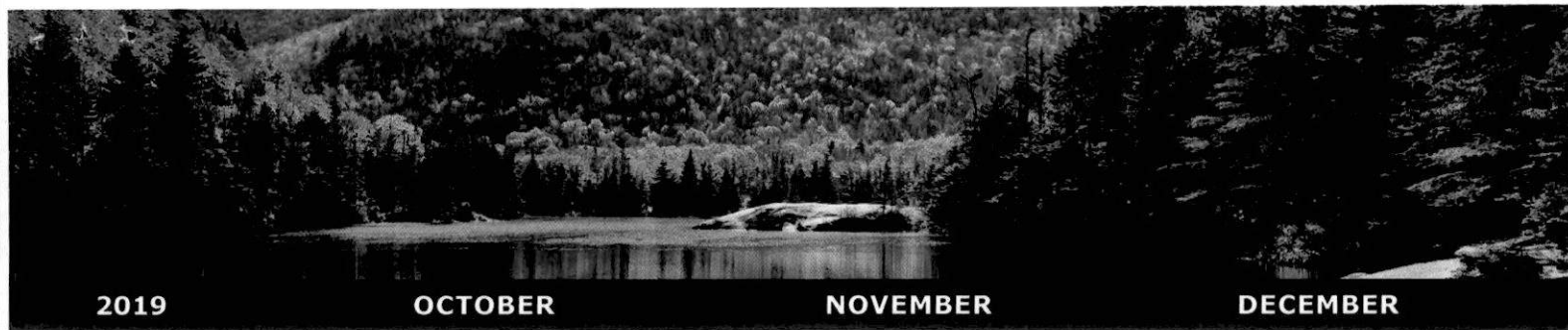
Retired former Wetlands Bureau Administrator **Collis Adams** was given an award for lifetime achievement for his leadership throughout his 19 years as administrator.

Mary Ann Tilton was given an individual merit award calling out her inspirational leadership focused on protecting resources while upholding the public trust.

The **NHDES Coastal Program** was recognized with a government merit award. Program Administrator Steve Couture, Kirsten Howard, coastal resilience coordinator, and Nathalie Morison, coastal resilience specialist - were key to New Hampshire being recognized as a national leader in climate adaptation planning.

Salt Shaker Awards. On September 10, NHDES presented the 2019 Salt Shaker Awards at the 6th Annual New Hampshire Salt Symposium, sponsored by the New Hampshire Department of Environmental Services, the University of New Hampshire Technology Transfer Center and the Snow and Ice Management Association. These awards recognize people in the snow and ice management business for their contributions to salt reduction and to the industry in general.

Drive Electric. On September 14, NHDES organized an event in front of the State House to celebrate the 9th Annual National Drive Electric Week. Event organizers, included Drive Electric NH, Electric Auto Association, Granite State Clean Cities Coalition, New Hampshire Automobile Dealers Association, New Hampshire Sierra Club and Plug-In America to draw attention to the economic, environmental and other benefits of electric



2019

OCTOBER

NOVEMBER

DECEMBER

vehicles.

Aquatic invasive plants. On September 19, NHDES recognized the tremendous efforts that have gone into prevention, early detection and rapid response efforts statewide to curb the spread of aquatic invasive plant species by acknowledging that no new infestations of aquatic invasive plants have been listed in two years.

Legislative initiatives in recent years are paying off. Most notably, preventative requirements for boaters to clean and drain their vessels and gear, as well as pulling drain plugs in transit and emptying water containers, have contributed hugely to this success.

The Lake Host Program, implemented by New Hampshire Lakes (NH LAKES) through a grant from NHDES, has contributed significantly to prevention efforts statewide, thanks to courtesy boat inspectors stationed at 100 of the State's busiest public access sites each summer.

Bi-State Electric Vehicle Connector. On September 27, the Granite State Clean Cities Coalition, in partnership with the Vermont Clean Cities Coalition, coordinated the Bi-State Electric Vehicle Connector, which highlighted the electrification of vehicles, equipment and technology as an option for fleet diversification.

OCTOBER

The New Hampshire Silver Jackets Team released the Flood Hazards Handbook for Municipal Officials. On October 3, the *Flood Hazards Handbook* was released to help communities prepare for, respond to, and recover from floods. It includes guidance, best practices and information about available federal and state resources organized into situation-specific sections: Before the Flood, During the Flood and After the Flood. Information about ways to reduce (or mitigate) flood risk to lessen impacts from future events is also included.

The New Hampshire Silver Jackets, a state-led team formed in 2015, brings together representatives from

over 15 state and federal agencies and programs to focus on flood risk management issues that affect local communities.

Merrimack Public Information Meeting for an update on PFAS investigations. On October 10, NHDES, in cooperation with the Town of Merrimack, held a Public Information Meeting in Merrimack to discuss the status of the ongoing investigation related to the presence of Per- and Polyfluoroalkyl Substances (PFAS) in southern New Hampshire.

NOVEMBER

Merrimack Public Hearing on draft air permit for Saint-Gobain. On November 5, NHDES held a public hearing on a draft air permit related to the installation and operation of air pollution control equipment at Saint-Gobain Performance Plastics Corporation in Merrimack. Following the conclusion of the public hearing, NHDES staff provided an update on the Saint-Gobain site investigation activities and the response to assessing drinking water impacts relative to the new PFAS drinking water MCLs and AGQS.

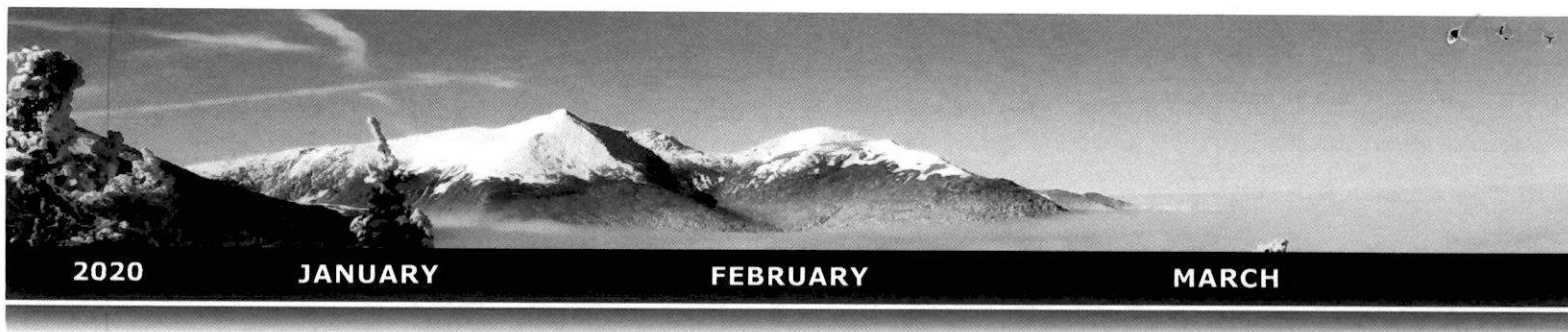
DECEMBER

NHDES Employee of the Year and David S. Chase Award for Scientific Achievement. On December 8, Paul Susca from the NHDES Drinking Water and Groundwater Bureau was named NHDES Employee of the Year. Among Paul's accomplishments are his work on a new drinking water standard for arsenic.

Jonathan Ali from the NHDES Environmental Health Program was presented with the David S. Chase Award for Scientific Achievement for his work on creating new drinking water standards for four PFAS chemicals.

NHDES ARM Fund Awards. On December 11, the NHDES Aquatic Resource Mitigation (ARM) Fund Program awarded funding for six projects in the Merrimack River watershed, totaling \$1,522,808.

Projects receiving funds in the Merrimack watershed



2020

JANUARY

FEBRUARY

MARCH

include:

- \$233,700 Campbell Hill Preserve, Franconia, NH
- \$250,000 Lyndeborough Road Crossing of Meadow Brook, New Boston, NH
- \$300,000 Murray Mill Brook, Auburn and Candia, NH
- \$500,000 Nissitissit River Headwaters, Mason, NH
- \$104,108 Piscataquog South Branch Connectivity Project, Franconia, NH
- \$135,000 Pollard Road Culvert Replacement, Plaistow, NH

NHDES assist the Capital Region Food Program with their Holiday Food Basket project. On December 16, NHDES collected 300 food items and donated \$775.

NHDES assist the State Employees Association Operation Santa Claus. Also on December 16, NHDES collected and donated gifts and items for 87 children.

2020

JANUARY

Sarah Pillsbury receives NEWWA award. At the January meeting of the New England Water Works Association (NEWWA), Sarah Pillsbury, the then Administrator of the NHDES Drinking Water and Groundwater Bureau, was presented with the Jerome J. Healey Award, which acknowledges the contributions of an individual who has promoted the drinking water profession by reaching out to other NEWWA members and the public, and has enhanced the relationship between the regulated community with state and federal personnel to protect water supply and public health.

FEBRUARY

Commissioner Scott announces an initiative to receive feedback from NHDES customers and stakeholders.

On February 3, Commissioner Scott announced a plan to hold a series of meetings and conversations to listen to and engage with businesses, organizations or individuals who have topics they would like to see addressed

by the department. Unfortunately, this initiative was postponed by the COVID-19 pandemic.

ARM Fund grant round announced. On February 13, the NHDES Aquatic Resource Mitigation (ARM) Fund announced that it had \$3,300,000 for the 2020 grant round for wetland and stream preservation and restoration projects across the state.

New Hampshire Silver Jackets release 2020 Report. On February 21, the New Hampshire Silver Jackets, a state-led team of state and federal agencies and programs, announced the completion of the 2020 Spring Report of State Hydrology and Watershed Conditions. Team members, including those from NHDES, United States Geological Survey, and the National Weather Service, worked together to compile information on the status of streamflows, groundwater conditions, lake levels, snowpack and flood potential heading into the spring snowmelt and runoff season. The report is designed to provide this important information to local emergency management directors and the public, in one place, so that they know how the spring runoff season may progress in terms of flood risk, enabling them to be better prepared.

MARCH

NHDES launched the #OneThing4Earth Video Challenge to help recognize the 50th Anniversary of Earth Day, April 22, 2020. On March 23, NHDES launched a social media campaign challenging people to record a short video or take photos of themselves doing one thing that is good for Earth, then challenge family, friends and others to do their own video. People who accepted the challenge posted videos on their social media platforms (Instagram, Facebook, or Twitter) and used the hashtag #OneThing4Earth. NHDES Commissioner Bob Scott started the challenge by posting a video of his home compost pile. Although the initiative was impacted by the pandemic, dozens of videos were posted.

NHDES urges residents to only flush human waste and



toilet paper. On March 24, NHDES reminded people “what not to flush.” The coronavirus pandemic caused a shortage of toilet paper for some, which resulted in inappropriate items being flushed down the toilet. Municipal wastewater treatment plants, including the NHDES-operated Winnepesaukee River Basin Program (WRBP), were concerned about a possible increase in non-flushables, such as rags, wipes, paper towels, t-shirts and sheets, causing clogs in the system.

NHDES announces the release of Part II of the 2019-2020 New Hampshire Coastal Flood Risk Summary. On March 25, UNH released the *Guidance for Using Scientific Projection*, which highlights the importance of preparing for a different hazard, increased coastal flooding, that New Hampshire is expected to face due to climate change. The Guidance provides science-based and user-informed guiding principles and a seven-step approach for incorporating updated coastal flood risk projections into private, local, state, and federal projects, including planning, regulatory, and site-specific decision-making. *Part II: Guidance for Using Scientific Projections* was prepared in partnership with the STAP, UNH, and NHDES and underwent public review throughout September 2019.

NHDES announces it would be conducting business remotely. On March 27, in compliance with Governor Sununu’s Stay-at-Home Order, NHDES announced that it would be conducting business remotely. This would be the case for most NHDES staff until May of 2021. Some programs, such as File Review and Land Resources Management, maintained staff in the NHDES building to ensure customer service and permitting needs were met.

NHDES announces new fish consumption limits for Squam Lake. On March 30, more restrictive fish consumption limits were announced for all fish caught in Squam Lake, as a result of high levels of polychlorinated biphenyls (PCBs) detected in fish tissue samples. In this study, NHDES followed up on previous research conducted by the Loon Preservation Committee and the

Squam Lake Association that identified the elevated contaminant levels in loon eggs and lake sediment.

Lower and Upper Sawyer Mill Dams removed. After more than ten years of planning, the removal of the Lower and Upper Sawyer Mill Dams, located in Dover on the Bellamy River, was completed in January 2019 and March 2020, respectively. This long, collaborative project was a successful effort to protect the safety of those living near the high-hazard dams, restore the natural conditions of the river and clean up legacy contaminants in the sediments around the dams.

APRIL

Reducing Toxins in Your Home: Green Cleaning. On April 6, NHDES launched a new video series called Reducing Toxins in Your Home: Green Cleaning, featuring the Household Hazardous Waste Program.

Emergency Order #29. On April 9, Governor Sununu issued Emergency Order #29 to establish temporary modifications of certain Executive Branch deadlines and requirements, including NHDES requirements, as part of the State’s efforts to respond to COVID-19. The Emergency Order affected requirements for both the regulated community and NHDES programs to comply with deadlines as a result of the likelihood of increased adverse public health impacts from otherwise unnecessary in-person contact, travel, or similar activities.

MAY

Drinking Water Week, May 3-9. On May 3, NHDES celebrated Drinking Water Week by recognizing the essential workers who ensure we have clean drinking water. New Hampshire drinking water operators work behind the scenes to deliver safe, clean water to homes and businesses.

Assistant Commissioner retires. On May 7, Assistant Commissioner Clark Freise retired from NHDES.

Coastal Resilience Grants announced. On May 20, the NHDES Coastal Program announced targeted funds

available for projects that improve resilience to coastal hazards in New Hampshire communities. Each year, coastal communities experience damages to property, infrastructure, natural and cultural resources, and associated economic and social disruptions from coastal storms, flooding, and erosion. As communities grapple with the added challenges of providing public health and safety and encouraging economic resilience through the COVID-19 pandemic, the importance of ensuring that our communities can be resilient to natural coastal hazards was even more apparent.

Total federal grant funding for all Coastal Resilience Grant projects was approximately \$150,000. This funding opportunity marks the fifth year that the NHDES Coastal Program has offered competitive grant funds for coastal resilience projects. Between 2014 and 2019, 16 projects were funded, totaling more than \$700,000 in federal grant funds and nearly \$400,000 in match commitment from grantees. Projects selected for funding in 2019 included a vulnerability assessment of the Seabrook Wastewater Treatment Facility, integration of coastal resilience in Sustainability Program development for the Town of Exeter, improved stormwater and urban tree management in the City of Dover, and development of coastal hazards and adaptation master plan chapters for the towns of North Hampton and Durham.

JUNE

Drinking Water and Groundwater Trust Fund grants offered. On June 3, the New Hampshire Drinking Water and Groundwater Advisory Commission offered \$2 million from the Drinking Water and Groundwater Trust Fund for grants to protect public water supply sources in 2020. Since its first grant round in 2018 the Commission has provided \$3.56 million to protect 5,429 acres of water supply land and \$112 million in loans and grants for water quality projects, mainly water supply infrastructure.

Shellfish harvesting closed. On June 4, NHDES and NHFG closed all nearshore and offshore Atlantic waters

in New Hampshire for the taking of all species of molluscan shellfish (mussels, clams, oysters) in response to very high levels of a microscopic marine algae capable of producing a neurotoxin, domoic acid, that causes Amnesic Shellfish Poisoning or ASP.

Responding to cyanobacteria blooms. On June 8, NHDES announced a change of focus to monitoring, assessing and responding to cyanobacteria blooms. The Beach Inspection Program did not sample freshwater beaches as regularly for fecal bacteria, as it had in the past, due to lab capacity and logistical challenges posed by the pandemic.

NHDES cautions residents about the use of strong antibacterial cleaning materials. On June 15, NHDES urged residents to be cautious with strong antibacterial cleaning materials and disposing of those materials in septic systems after noticing an increased percentage of applications to replace failed individual sewage disposal systems (septic systems) over the same period as compared to 2019. Introducing large volumes of cleaning agents to a septic system can have detrimental effect on the bacteria that are vital to the function of a healthy system. Without the essential bacteria in a septic tank and/or in the effluent disposal area (leachfield), the system will prematurely fail, resulting in the system having to be replaced. Replacing a system in failure can be a very expensive undertaking that could be avoided with careful and proper use.

During the spring months, NHDES normally receives higher numbers of applications for the replacement of failed systems, likely due to hydrologic overload (too much water) from rain and snow melt. However, due to the coronavirus pandemic, many people were working remotely from home, resulting in the increased use of home septic systems. Increased water from the additional use may have contributed to the increased number of failures. Equally important to consider is the disposal of strong cleaning materials in septic systems.

U.S. Drought Monitor outlook – drought concerns.

June 18, NHDES announced that, according to the weekly U.S. Drought Monitor, the entire State of New Hampshire was categorized as abnormally dry. Most of the northern half of the state including Belknap, Grafton, Carroll and Coos counties received 25 to 50% less precipitation than normal. To the south, the majority of Sullivan, Merrimack, Strafford, Rockingham, Hillsborough, and Cheshire counties received 50 to 75% less precipitation than normal.

Drought concerns grow - Drought Management Team coordinated. On June 25, NHDES announced that the southern half of the state had been elevated from “Abnormally Dry” (D0) to “Moderate Drought” (D1), while the remainder of the state continued to experience “Abnormally Dry” (D0) conditions. These conditions, a result of an exceptionally low snowpack in the winter and lack of precipitation, impacted rivers and streams, groundwater, soil moisture and reservoirs. Due to these conditions, the State Drought Management Plan was implemented. This plan ensures the State develops, coordinates and implements all possible approaches to responding to the drought. One of the first steps, based on the increasing intensity of the drought was the initial coordination of the State Drought Management Team (DMT), a collaborative team of state, federal, municipal and regional agencies; industry and non-governmental organizations; and academia. Ongoing actions included: assessing reservoir impacts and adjusting operations, working with drinking water systems statewide and ensuring the public was informed of the impacts and conservation measures that should be employed to avoid serious problems later in the summer.

JULY

Drought worsens. On July 10, NHDES announced that “moderate drought” conditions persist across 56% of New Hampshire and “abnormally dry” conditions remain in the northern part of the state. On Thursday, July 9, 2020, State Climatologist Mary Stampone provided the DMT with a briefing on the latest drought

conditions and forecasts, which indicated that the drought would likely persist through at least the end of July. According to Stampone, the above-average precipitation received at the end of June was only enough to stabilize drought conditions.

Staff from NHDES updated the team on water resource impacts and management efforts. While lake levels were below normal, the foresight of the dam operations team helped to mitigate the impact by holding back more water earlier in the season. Rivers and streams around the state were at or near historically low flows. Water management actions, such as reduced outdoor water use and switching to groundwater sources, were implemented in the Lamprey and Souhegan River watersheds as a part of the Instream Flow Program. In late June, NHDES conducted a release of water from dams on the Lamprey River watershed to provide relief to aquatic organisms. Of the 31 groundwater monitoring wells across the state, the majority were much lower than normal. Large groundwater permit holders were held to permit conditions related to reducing withdrawals during drought, and community water systems were urged to implement outdoor water use restrictions. 117 community water systems implemented restrictions.

Shellfish harvesting ban lifted. On July 24, NHDES and the NHFG announced that the ban on harvest of shellfish due to a harmful algal bloom, often referred to as “red tide,” was lifted for all species of shellfish along the Atlantic Coast.

Messer Pond Protective Association awarded grant to improve water quality. On July 29, NHDES announced that the Messer Pond Protective Association was awarded a grant in the amount of \$36,750 to implement stormwater improvements and best management practices to improve the water quality of Messer Pond. The Association worked with the New London Public Works Department to mitigate erosion in areas that resulted in sediments and excessive nutrients; such as, phosphorus and nitrogen, entering the Pond.



AUGUST

2020

SEPTEMBER

Each year, EPA provides NHDES with Clean Water Act Section 319 funds to both restore and protect New Hampshire's water resources impacted by polluted runoff.

AUGUST

NHDES evaluates revisions to AoT rules. On August 4, NHDES evaluated revisions to its Alteration of Terrain (AoT) administrative rules to further develop and clarify the consideration of impacts to threatened and endangered species in the AoT permit review process. As part of this process, NHDES held two public input sessions to provide the public with an opportunity to comment and provide suggestions on potential AoT rule language for NHDES consideration. Public input sessions were requested to assist the rule development process.

Ribbon cutting for Manchester Road pump station in Derry. On August 19, the New Hampshire Drinking Water and Groundwater Advisory Commission and NHDES held a ribbon cutting ceremony to recognize the completion of the Manchester Road Pump Station in Derry, a significant construction milestone in the Southern NH Regional Water Interconnection Project. The Manchester Road Pump Station is critical to increase the Town of Derry's flow capacity from the Manchester Water Works, which is required to deliver one million gallons per day now, and up to 3.13 million gallons per day in the future, to the downstream water recipients to address groundwater contamination and supply issues. The Towns receiving the water include Windham, Salem, and Plaistow, and Hampstead Area Water Company's services in the Towns of Atkinson and Hampstead.

Drought worsens. On August 21, NHDES announced that portions of southern New Hampshire went from moderate to severe drought, according to the U.S. Drought Monitor. Areas experiencing severe drought included Rockingham County, Merrimack County, over half of Strafford County, as well as a small area of Belknap and Hillsborough county. Overall, 20% of the state was experiencing severe drought, 49% ass expe-

riencing moderate drought, and 31% is experiencing abnormally dry conditions. The short-term forecast and longer term precipitation outlook provided no assurance of receiving the widespread rain needed to mollify drought conditions. Additionally, groundwater levels across the state continued to fall. 134 community water systems and one municipality implemented outdoor water use restrictions.

New Hampshire Lake Trend Report release. On August 27, the NHDES Watershed Management Bureau (WMB) released a new report entitled *New Hampshire Lake Trend Report: Status and trends of water quality indicators*. The report documents long-term trends and short-term changes to the ecological condition of 150 lakes and ponds in New Hampshire that participate in the volunteer lake assessment program (VLAP).

SEPTEMBER

Drought concerns continue to increase. On September 3, the New Hampshire Drought Management Team met via video conference in response to the increasing concerns related to the drought. With over 90% of the state experiencing drought, up from 70% the previous week.

Oil Spill Response exercise. The Portsmouth Oil Spill Response Workgroup sponsored an oil spill exercise on September 16. This exercise provided participants with an opportunity to practice boom deployment skills and assess the capability to coordinate a spill response from remote locations. It focused on performing command functions, decision-making, coordination and integration with other organizations from remote locations using virtual meeting platforms.

The following agencies and organizations participated in the exercise.

- NH Department of Environmental Services
- NH Fish and Game
- NH Port Authority
- Hampton Fire Dept.
- Maine Department of Environmental Protection

- Maine Inland Fish and Wildlife
- Maine Department of Marine Resources
- US Environmental Protection Agency
- US Coast Guard Northern New England
- Portsmouth Naval Shipyard Facility Response Team

Executive Order #29 extended. On September 10, Governor Sununu extended Executive Order 29, which authorized temporary modification of executive branch deadlines and other requirements to allow for changes related to applicable professionals permitted (licensed) by the NHDES. These exemptions applied to permitted septic system designers and septic system installers, tank operator certification, and hazardous waste coordinator certifications.

NHDES denies Saint-Gobain variance petition. On September 11, NHDES denied a Variance Petition (Petition) submitted by Saint-Gobain Performance Plastics (SGPP), asking for an extension of the February 11, 2020 deadline for completing construction and installation of the regenerative thermal oxidizer at their Merrimack facility. The NHDES Air Resources Division Director denied the petition based on the requirements of RSA 125-C:16, Variances. The statute states that no variance shall be granted to any person applying for a variance under the statute who is causing air pollution which creates a danger to public health, welfare or safety.

SepticSmart Week. September 14 to 18, NHDES participated in EPA's SepticSmart Week, which is designed to encourage homeowners and communities to care for and maintain their septic systems.

State Announces 2020 Fall Drawdown of Lakes. On September 15, NHDES announced the annual fall drawdown of lakes and ponds controlled by dams owned by NHDES. Lake drawdowns are conducted each fall to reduce winter ice damage to shoreline properties and to reduce spring flooding.

EPA Awards NHDES for NHDES staff. On September 23, **Sarah Pillsbury**, former Drinking Water and Groundwater Bureau Administrator, received the 2020 George W.

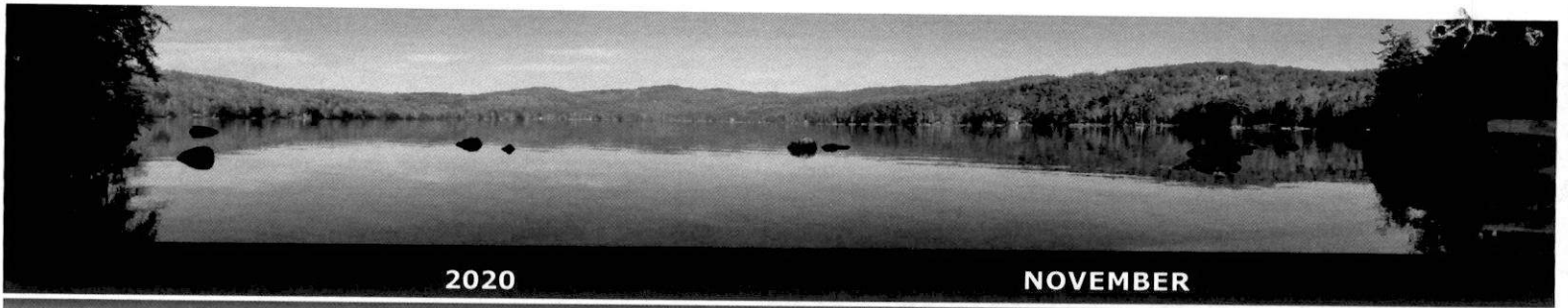
Fuller Award and the 2020 David M. Erickson Groundwater Award from the New England Water Works Association (NEWWA). The George W. Fuller Award recognizes an individual for their distinguished service to the water supply field in commemoration of the sound engineering skill, brilliant diplomatic talent, and constructive leadership characterized by the life of George Warren Fuller.

Richard "Rick" Skarinka, then-manager of the Engineering and Survey Section of the NHDES' Drinking Water and Groundwater Bureau, received the 2020 Jerome J. Healey Award from NEWWA. The Jerome J. Healey Award acknowledges the contributions of an individual or a group of individuals, who have promoted the drinking water profession by reaching out to other NEWWA members and the public and who have enhanced the relationship between the regulated community and state and federal personnel to protect water supply and public health.

Drought conditions persists. As drought conditions persisted throughout the State and worsened in parts of New Hampshire, on September 24, NHDES urged residents to conserve water, and to report well problems to the State. According to the U.S. Drought Monitor, the entire State remained in drought and 8.5% of the state was elevated to D3-Extreme Drought, the third of four stages of drought. Since the current method for classifying drought was established in 2000, 2016 was the only other year New Hampshire experienced extreme drought. With groundwater levels below normal and similar to 2016, residential well owners across the State were reporting supply issues. Due to the demand, some well drillers reported waits greater than six weeks to get a new well drilled and others were booked until the end of the year.

OCTOBER

Ban on shellfish harvest partially lifted. On October 1, NHDES and the New Hampshire Fish and Game Department announced that the cold weather ban on harvest of shellfish in Lower Little Bay and the Bellamy



2020

NOVEMBER

to potentially high virus levels, such as norovirus and hepatitis, in wastewater from the old Portsmouth municipal wastewater facility, which was not employing advanced wastewater treatment. The City completed an upgrade to the old facility, and has been operating with advanced treatment since April 2020. Ongoing effluent testing by NHDES has shown consistently low virus levels in effluent. The partial lifting of the ban on cold-weather harvest increased recreational shellfish harvest opportunities, and allowed commercial oyster farms to operate well into the fall and winter.

Low-income drought relief program created. On October 23, at the request of Governor Chris Sununu, the NH Drinking Water and Groundwater Advisory Commission and NHDES created a new initiative to provide short-term relief and financial assistance for low-income New Hampshire homeowners served by residential wells experiencing insufficient water or no water due to drought conditions.

The initiative included temporary relief to ensure households had an adequate supply of drinking water in the near-term. Households on residential wells, whose income was at or below 80% of the area median household income and that had no water due to the ongoing drought, could be eligible for bottled water deliveries at no cost for drinking and cooking uses. The provision of bottled water was intended to be a temporary measure until the household received assistance to permanently mitigate the well that was impacted by drought.

Financial assistance for improving or replacing residential wells with insufficient water due to drought, or connection to an existing community water system financial assistance was made available for qualifying low-income homeowners through a grant from the New Hampshire Drinking Water and Groundwater Trust Fund.

Additionally, once work was completed, all wells were sampled and tested for the water quality parameters established by NHDES. The laboratory costs for testing

were an eligible expense to be covered by the grant.

NOVEMBER

Drought Management Team meets to discuss current conditions and ongoing impacts. With the entire State still experiencing drought, and warm, dry days in the forecast, the New Hampshire Drought Management Team (DMT) met on Thursday, November 5 to discuss current drought conditions and the ongoing impacts to residents and the environment.

State Climatologist Mary Stampone provided an overview on the latest drought conditions and forecasts, which indicated that drought would likely persist through the fall. According to Stampone, the near average precipitation received in October caused drought conditions to improve across much of the state. However, she stressed that recent rainfall was not enough to make up for the substantial precipitation deficit for the year across southern New Hampshire where extreme drought conditions persisted.

Between September and October, improvement in groundwater levels occurred in northern and far southern New Hampshire, while levels in many wells in central New Hampshire experienced further declines. In that area, declines ranged from 0.16 to 0.97 feet below their September measurements. Many town and residential wells remained at risk of going dry.

It was estimated that over 1,000 residential wells had been impacted based on a phone survey conducted by NHDES. Many well drilling companies reported several weeks of backlogged requests, with over 100 households had completed preliminary applications for assistance.

ARM Fund program awards. On November 20, the NHDES Aquatic Resource Mitigation (ARM) Fund Program awarded eleven conservation and five stream restoration projects, totaling \$2,942,022.

Awardees included:

- \$761,668 Shelburne: Shelburne Riverland Acquisi-



2020

DECEMBER

- tion, Mahoosuc Land Trust Inc.
- \$71,631 Jackson: Dundee Community Forest, Trust for Public Lands
- \$75,563 Campton: West Branch Brook Forest Parcel 9-1-1, Campton Conservation Commission
- \$150,000 Campton: Beebe River Aquatic Habitat Restoration, Grafton County Conservation District
- \$400,000 Barrington & Strafford: Leighton Forest, Southeast Land Trust of NH
- \$275,000 Milton: Teneriffe Mountain, Moose Mountain Regional Greenways
- \$40,000 Hampton Falls: Clay Brook Forest, Society for the Protection of NH Forests
- \$74,000 Strafford: Barnes Conservation Easement, Bear-Paw Regional Greenways
- \$73,000 Goffstown: Burnes Conservation Easement, Piscataquog Land Conservancy
- \$125,000 Northfield: Stillhouse Forest Addition, Society for the Protection of NH Forests
- \$30,000 New Ipswich: Steel Addition to Binney Hill Wilderness Preserve, Northeast Wilderness Trust
- \$164,000 Canterbury & Loudon: Harmony Land Culvert Replacement at Rocky Pond, Merrimack County Conservation District
- \$250,000 Walpole: Houghton Brook Connectivity Restoration, Town of Walpole
- \$175,000 Newbury: Warner River Headwaters, Ausbon Sargent Land Preservation Trust
- \$165,000 Warner: Ballard Brook Connectivity Restoration, Town of Warner
- \$111,500 Bath: Child's Brook Stream Crossing Restoration, Trout Unlimited National

DECEMBER

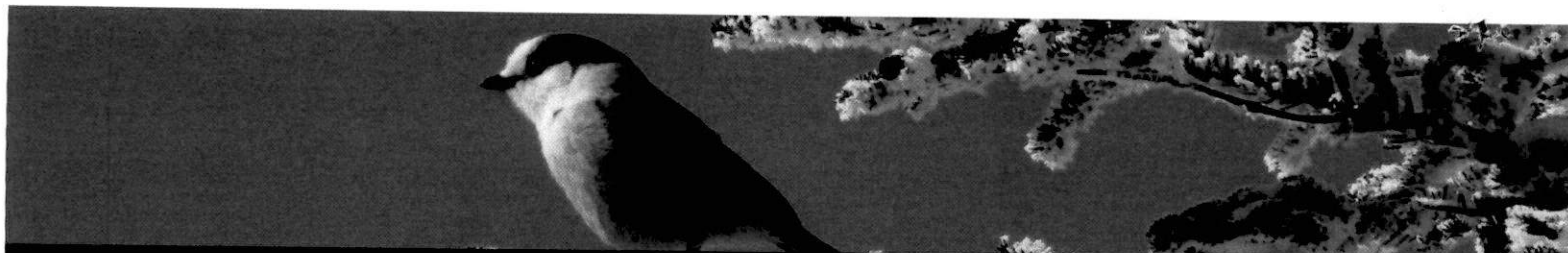
King Tide Photo Contest. On December 4, the Coastal Adaptation Workgroup announced the winners of the 2020 King Tide Photo Contest, which aims to raise awareness of New Hampshire's rising tides.

NHDES launches new website. On December 8, NHDES

launched a completely redesigned and reimagined website. The new site provides users with information organized by environmental topic, with the goal of creating multiple pathways to find the right content. Some of the exciting new features include:

- Looking for certain documents? The site includes a searchable document library for all NHDES publications, filterable by document type, category and keyword.
- Looking for someone to contact? There is a searchable employee directory, filtered by topic or keyword.
- Looking for funding opportunities? A full list of loan and grant opportunities through NHDES programs in one place.
- One-click action: A selection of popular user requests a click away in the "How Can We Help You Today?" section on the homepage.

NHDES Pollution Prevention program awarded EPA grant. On December 9, the NHDES Pollution Prevention Program (NHPPP) was awarded a two-year grant from EPA to provide pollution prevention technical assistance to the New Hampshire craft beverage industry, including beer, wine, mead, cider and hard seltzer producers and distilleries. The Sustainable Craft Beverage grant project will focus on improving the quality and volume of wastewater, implementing energy efficiency, conserving water, reducing waste and sharing best management practices. NHPPP will partner with New Hampshire electric and gas utilities to provide on-site technical assistance to businesses and partner with the New Hampshire Brewers Association, University of New Hampshire Brewing Program and the New Hampshire Craft Spirits Association to offer training and educational materials.



2021

JANUARY

FEBRUARY

MARCH

2021

JANUARY

2020 Asset Management Awards. On January 19, NHDES presented the 2020 Asset Management Awards, established to promote and encourage communities to implement Asset Management Programs (AMPs). AMPs are a holistic plan to manage total infrastructure systems over the life cycle of assets in the most cost-effective way. The 2020 municipal award was presented to the Town of Salem Asset Management Team and the individual award was presented to Tony Cavaliere from the Towns of Marlborough and Jaffrey.

FEBRUARY

Annual State Energy Report. On February 11, NHDES, Administrative Services' State Energy Management Office and the Governor's Office of Strategic Initiatives released the Annual State Energy Report, which announced that the State of New Hampshire had reduced its total annual building energy use by seven percent and its building fossil-fuel use by 12 percent in comparison to the baseline year, state fiscal year (FY) 2005. As a result of the State's energy management efforts between FY 2009 and FY 2020, the State has avoided over \$45 million in energy costs. These avoided energy costs are dollars retained within the State's economy and represent a monetary savings to New Hampshire's taxpayers.

Watershed Assistance Grants awarded. On February 18, the NHDES Watershed Assistance Section awarded five Watershed Assistance Grants for watershed protection and restoration projects totaling \$406,698. The grants focus on nonpoint source (NPS) pollution prevention and reduction.

- \$94,448 Town of New Durham: This project will address severe erosion that is resulting in sediment discharge directly to the Merrymeeting River.
- \$36,750 Messer Pond Protective Association: This grant will allow the Messer Pond Protective Asso-

ciation to fund design and implementation of BMPs to reduce nutrient loading to Messer Pond in New London.

- \$172,000 Nippo Lake Association: Nippo Lake is on the state's impaired waters list for Primary Contact Recreation (swimming) due to frequent cyanobacteria blooms. This grant will enable the Nippo Lake Association to implement management practices to reduce phosphorus loading from lake sediments, roads, and residential properties.
- \$50,000 Lake Sunapee Protective Association: The Lake Sunapee Protective Association will implement projects that will reduce sediment loading at Garnet Hill Road in Sunapee, improve culverts at Davis Hill Road in New London; plus, implement stream stabilization measures and install a vegetated swale at the Mount Sunapee Resort.
- \$53,500 Southwest Regional Planning Commission: This project will implement BMPs at sites identified as having medium or high water quality impact within the Lake Warren watershed.

Avery Dam gate repairs. On February 28, NHDES announced that, due to the need for immediate gate repairs at the Avery Dam in Laconia by the hydropower operator, Avery Hydro, Opechee Bay's water level would be dropped approximately at a rate of about one foot per day starting Sunday, February 28. The drop in water level lasted a couple of weeks, after which the water level was raised back to an ordinary level. The amount of reduction in the water level was up three to five feet while active repair work was being performed.

MARCH

New Hampshire Drinking Water Festival. On March 22, the 2021 New Hampshire Drinking Water Festival went virtual, including the third annual Poetry Contest for third, fourth and fifth graders, making it a STEAM (Science, Technology, Engineering, the Arts, Math) educational opportunity.



APRIL

MAY

2021

APRIL

Earth Day. On April 22, Commissioner Scott joined Governor Sununu on a visit to a home receiving a new well thanks to the [Low-Income Residential Drought Assistance Program \(DAP\)](#).

To celebrate Earth Day, Commissioner Scott also made stops at the Winnepesaukee River Basin Program in Franklin, a NHDES operated wastewater treatment facility, to review some energy efficiency upgrades to the plant that saved money and improved the water quality of the effluent discharged; a visit to the [Wagon Hill Living Shoreline Project](#), Durham, which is a large partnership project to construct a living shoreline/erosion control project; and a visit to the NHDES Air Monitoring Station in Londonderry, which is partially powered with solar panels.

Sustainable Solutions webinar series launched. On April 27, the NHDES Pollution Prevention Program worked with the EPA Region 1 Pollution Prevention and ENERGY STAR® Programs to offer a free, three-part webinar series on Sustainable Solutions for Craft Beverage Producers. The webinars were held on April 27, May 25 and June 22 to a strong reception from the industry.

MAY

Water Division Director retires. On May 30, Water Division Director Thomas O'Donovan retired from NHDES.

Public meetings held for PFAS updates. On May 6, 17, 20 and 25, NHDES held a series of public meetings in Bedford, Litchfield, Londonderry and Merrimack, respectively, to provide updates on the status of PFAS in these communities and address the community's questions.

Drinking Water Source Protection Conference. NHDES held the virtual, 2021 Drinking Water Source Protection Conference on Wednesday, May 19, featuring a series of roundtable discussions and presentations. NHDES also presented awards to the Merrimack River Watershed Council (MWRC), the city of Claremont and the

Hooksett Village Water Precinct (HVWP). MWRC and Claremont both received the agency's Source Water Protection Award for work to protect New Hampshire's drinking water. HVWP received NHDES' Source Water Sustainability Award, given to a public water system, municipality or other entity whose work significantly preserves the availability of source water through water conservation or other efficiency measures.

Nippo Lake Association granted treatment permit.

On May 24, NHDES announced that the Nippo Lake Association was given a permit to allow the application of aluminum compounds to Nippo Lake as a lake management demonstration project. Aluminum sulfate and sodium aluminate was added to Nippo Lake during portions of nine days from time period beginning May 24 through June 25, 2021. The purpose of adding aluminum compounds to Nippo Lake is to reduce, by eighty to ninety percent, the amount of phosphorus released from bottom sediments of the lake. Excess phosphorus from the bottom sediments has triggered nearly annual harmful algal blooms in Nippo Lake, causing public health and safety concerns, and ecological concerns.

Coastal Resilience Grant round announced. Also on May 24, the NHDES Coastal Program solicited applications for 2021 Coastal Resilience Grant (CRG). The CRG funding opportunity supports (i) projects that build neighborhood, grassroots, or municipal capacity for coastal resilience work; (ii) projects that integrate the [2020 New Hampshire Coastal Flood Risk Guidance](#) into local plans and regulations, and (iii) projects that seek to increase resilience of site-specific physical assets.

This funding opportunity marks the sixth year that the NHDES Coastal Program has offered competitive grant funds for coastal resilience projects. Between 2014 and 2020, 19 projects were funded throughout the New Hampshire coast, totaling more than \$850,000 in federal grant funds and more than \$400,000 in match commitment from grantees. Projects previously funded by the CRG opportunity are summarized on the [CRG webpage](#).

JUNE

Invasive species boater decal. On June 9, NHDES conducted outreach to all persons operating a motorboat on New Hampshire public waters that is registered in a state other than New Hampshire of a new requirement to purchase and display a New Hampshire aquatic invasive species decal from NHDES. The law ([RSA 487:43](#)) went into effect on July 1, 2019. [Decals can be purchased online](#) for \$20 each.

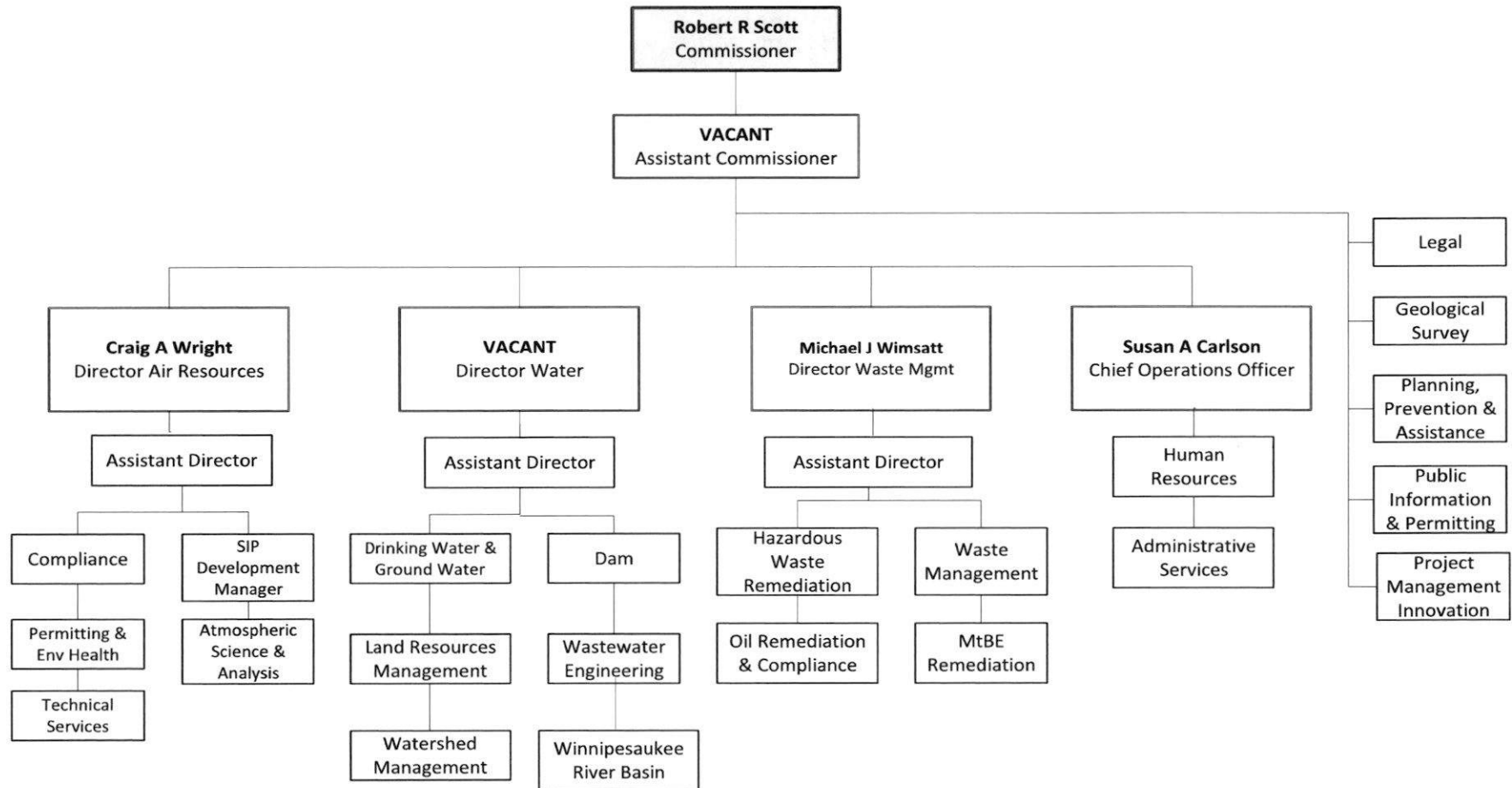
Great Bay Living Shorelines Project kicks off. On June 15, the NHDES Coastal Program and its partners kicked off the Great Bay Living Shorelines Project, which aims to create new living shoreline projects in the Great Bay Estuary to protect salt marsh ecosystems and coastal communities from erosion and sea-level rise. The project team is working with community stakeholders and landowners in Durham, Dover, Newmarket, and Stratham to identify four new living shoreline project sites, develop conceptual designs for the chosen sites, provide practical living shoreline design learning opportunities for professionals, and share recommendations for future living shoreline projects in the Great Bay Estuary. One of the sites will be located at Wagon Hill Farm in Durham, continuing work to manage ongoing erosion along the popular public property situated on the tidally-influenced Oyster River.

The Great Bay Living Shoreline Project is a collaboration between the NHDES Coastal Program, the Town of Durham, the University of New Hampshire, the Great Bay Stewards, the New Hampshire Fish and Game Department Great Bay National Estuarine Research Reserve, the Strafford Regional Planning Commission, and the Piscataqua Region Estuaries Partnership and is funded by a competitive National Coastal Resilience Fund grant administered by the National Fish and Wildlife Foundation.



NH Department of Environmental Services
Organizational Chart
6/30/2021

15



Funding and Expenditures for Fiscal Year 20-21

Expenditures Categories	FY2020	FY2021
Salaries	\$30,208,460	\$30,261,366
Benefits	\$16,155,029	\$13,727,612
Loans	\$82,954,046	\$69,996,864
Oil Fund Disbursements	\$23,060,830	\$20,317,520
State Aid Grants	\$7,931,983	\$11,239,075
Other Grants	\$26,016,733	\$24,216,961
Contracts	\$6,975,261	\$7,298,801
Debt Services	\$3,466,677	\$3,376,869
Current Expenses	\$2,774,558	\$2,350,873
Other Expenditures	\$2,185,280	\$1,144,340
Equipment	\$910,899	\$808,039
Disbursements to Other State Agencies		
DoIT	\$3,584,134	\$3,216,085
Administrative Services	\$3,940,767	\$3,733,358
Other Agencies	\$661,849	\$616,418
TOTAL EXPENDITURES	\$210,826,506	\$192,304,181

Funding Categories	FY2020	FY2021
Revolving Fund Loan Repayments	\$47,203,941	\$95,580,078
Federal Income	\$37,064,743	\$34,818,456
Fees and Registrations	\$25,554,776	\$27,663,037
Oil Fund Board Income	\$15,352,253	\$13,317,466
General Fund Appropriations	\$22,849,382	\$26,102,573
Other Agency Income	\$23,953,345	\$15,664,818
Unrestricted Income	\$297,004	\$725,830
TOTAL FUNDING	\$172,275,444	\$213,872,258

Summary of Loans and Grants by Category

Loans	FY2020	FY2021
Clean Water	\$57,270,336	\$47,304,765
Drinking Water	\$14,407,540	\$14,500,893
DWGW Trust	\$11,276,170	\$8,191,207
Brownfields	\$0	\$0
State Aid Grants		
WasteWater	\$6,876,737	\$10,210,766
Public Water Interconnections	\$666,311	\$618,796
Landfills	\$388,936	\$409,513
Other State/Federal Grants		
DWGW Trust	\$18,364,656	\$18,291,310
Aquatic Resources Mitigation Grants	\$3,064,142	\$2,473,210
Land Protection Grants	\$1,374,719	\$1,042,717
Other Grants	\$3,213,216	\$2,409,724
TOTAL	\$116,902,763	\$105,452,901

Equipment and Real Property	FY2020	FY2021
Dams and Land	\$59,352,253	\$59,352,253
Buildings	\$36,721,676	\$36,721,676
Equipment	\$11,106,316	\$11,370,075
Motor Vehicles	\$3,351,737	\$3,488,896
TOTAL	\$110,531,982	\$110,932,900

NHDES Personnel Data (Number of filled positions as of June 30)	FY2020	FY2021
Unclassified	6	6
Classified	439	434
Temporary	28	25
TOTAL	473	465