

South Central Connecticut Regional Water Authority
Via Remote Access**

AGENDA

Regular Meeting of Thursday, August 19, 2021 at 12:30 p.m.

- A. Safety Moment
- B. Meet as Sole Member of the Claire C. Bennitt Watershed Fund (WSF): B. Stone
 - 1. Report on the WSF
 - 2. Elect Directors:
 - a) Act on recommendation of WSF Chair for reappointment of directors
 - b) Act on recommendation of WSF Chair for appointment of new directors
 - 3. Discussion regarding WSF donations
- C. Meet as Environmental, Health & Safety Committee: K. Curseaden
 - 1. Approve minutes – May 20, 2021 meeting
 - 2. Review revised Committee Charter
 - 3. FY 2022 Business Continuity Work Plan: A. Schenkler and K. Novick
 - 4. Invasive Species Control Update: J. Tracy
 - 5. Lead and Copper Rule Update: T. Barger
- D. Consent Agenda
 - 1. Approve Minutes – July 15, 2021 meeting
 - 2. Capital Budget Authorization - September 2021
 - 3. Capital Budget Transfer Notifications (no action necessary) – September 2021
 - 4. Monthly Financial Report – July 2021
 - 5. Accounts Receivable Update – July 2021
 - 6. Cancel Authority's regular meeting of September 16, 2021 at 12:30 p.m. and schedule special Authority meeting on September 23, 2021 at 12:30 p.m.
- E. Reports on RPB Committee Meetings
- F. Meet as Strategic Planning Committee: D. Borowy
 - 1. Approve Minutes – June 17, 2021 meeting
 - 2. Discussion re Authority Self-Assessment
 - 3. *Succession Planning Efforts Update – Including Executive Session: J. Reckdenwald
- G. Act on matters arising from Committee meetings
- H. Updates: L. Bingaman
 - 1. Board Letter Highlights – Including possible Executive Session
- I. Executive Session to discuss real estate negotiations

******Members of the public may attend the meeting via conference call, videoconference or other technology. For information on attending the meeting via remote access, and to view meeting documents, please visit <https://www.rwater.com/about-us/our-boards/board-meetings-minutes?year=2021&category=1422&meettype=&page=>. For questions, contact the board office at jslubowski@rwater.com or call 203-401-2515.

**RPB member (M. Levine) should be excused at Item F.3*

Topic: Authority Regular Meeting (including Environmental, Health & Safety Committee and Strategic Planning Committee)

Time: Aug 19, 2021 12:30 PM Eastern Time (US and Canada)

Join Zoom Meeting (*via conference call*)

Dial by your location

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+1 408 638 0968 US (San Jose)

+1 669 900 6833 US (San Jose)

+1 253 215 8782 US (Tacoma)

+1 346 248 7799 US (Houston)

Meeting ID: 820 5980 6618

Passcode: 029197

Find your local number: <https://us02web.zoom.us/j/kdQe3DXZ02>

**South Central Connecticut Regional Water Authority
Environmental, Health & Safety Committee**

**Minutes of the May 20, 2021 Meeting
Via Remote Access**

A regular meeting of the Environmental, Health & Safety Committee of the South Central Connecticut Regional Water Authority (“RWA”) took place on Thursday, May 20, 2021, via remote access. Chair Curseaden presided.

Present: Committee –Messrs. Curseaden, Borowy, DiSalvo and Mss. LaMarr and Sack
Management – Mss. Kowalski, Nesteriak, Velasquez, Vitagliano and Messrs. Bingaman, Hudak, and Singh
Staff – Mrs. Slubowski

The Chair called the meeting to order at 1:22 p.m.

On motion made by Mr. DiSalvo, seconded by Mr. Borowy, the Committee voted unanimously to approve the minutes of the its meeting held on March 18, 2021.

Borowy	Aye
Curseaden	Aye
DiSalvo	Aye
LaMarr	Abstain
Sack	Aye

Mr. Hudak, RWA’s Environmental Planning Manager, provided an update of the Former Hamden Middle School Remediation Project. He discussed the historical background and traditional policies of waste filling between 1800 and 1950. Mr. Hudak reported that the remediation project was broken down into five separate phases between 2014 and 2020 for a total project cost of \$4.3 million. Currently, there are two remaining environmental land use restrictions in place to restrict activities on the properties, which need to be finalized and recorded on the land records with notifications to local agencies. Upon completion of the project, the RWA provided a report to the Department of Energy and Environmental Protection, which was approved in March 2021. Mr. Hudak stated that continuous ground water monitoring will be conducted until the samples meet regulations. The property is under contract and will be sold when the title has been cleared.

Discussion took place regarding property sale, land use restrictions and project funding.

Ms. Vitagliano, the RWA’s Government and Public Relations Specialist, provide a 2021 Legislative Outlook, which included:

- Legislative landscape
- RWA priority bills
- Department of Public Health priority bills
- Other industry issues

At 1:49 p.m., Ms. Vitagliano withdrew from the meeting.

Ms. Velasquez, the RWA’s Environmental Compliance and Sustainability Lead, provided a presentation on the RWA’s sustainability activities since 2018. She reported on the environmental effects of the pollinator program, which increase the soil’s capacity to store water, and reduce flooding and polluted stormwater runoff. She also commented on the pathways program, which was developed to de-fragment the environment and provide food and habitat for pollinators. Several district towns have joined the program including Bethany, Branford, Cheshire, Hamden, New Haven and North Branford. Ms.

Velasquez highlighted other projects for the future, which included an energy use audit, charging station for electric vehicles and construction equipment, and additional pollinator gardens.

Discussion took place regarding pollinating project's effect on water quality and the use of program for education and outreach.

At 2:05 p.m., on motion made by Mr. Borowy, seconded by Ms. Sack, and unanimously carried, the Committee voted to adjourn.

Borowy	Aye
Curseaden	Aye
DiSalvo	Aye
LaMarr	Aye
Sack	Aye

Kevin Curseaden, Chairman

DRAFT OF PROPOSED REVISIONS FOR DISCUSSION

THE ENVIRONMENTAL, HEALTH & SAFETY COMMITTEE

August 19, 2021

Committee Purpose:

The purpose of the Environmental, Health & Safety Committee is to assist the Regional Water Authority (RWA) by providing guidance and input to promote the RWA's leadership in environmental sustainability and to help protect the health and safety of employees and the public and assess and manage the corporation's risks.

Discuss including Emergency Preparedness in Purpose.

Primary responsibility for the RWA's environmental, health and safety management and **operational** risk assessment is vested in senior operating management as overseen by the RWA. The RWA chair shall annually designate one member of the RWA as Committee chairperson. The Committee shall meet at least quarterly with further meetings to occur when deemed necessary or desirable by the Committee chair**person**. The Committee shall consist of all members of the RWA ~~meeting~~ **(Clarify committee membership)** as a committee of the whole. Appropriate RWA management will attend meetings, at the invitation of the Committee chairperson, to provide required reports and presentations to the Committee.

Committee Responsibilities:

The following duties, responsibilities and functions are set forth as a guide to fulfilling the Committee's purposes, with the understanding that the Committee may undertake other and different activities and that the Committee's activities may diverge from those described below, as appropriate under the circumstances.

Environmental Health and Safety

The Committee shall review, provide oversight of and monitor (a) the RWA's environmental, health and safety policies, practices and actions; and (b) trends and emerging issues at the legislative, regulatory and judicial levels concerning environmental, health and safety issues that affect the RWA, along with its positions and responses with respect thereto.

The Committee, in collaboration with management, will also provide the RWA leadership in the identification of water supply issues that will shape the policy and practice of the RWA in:

1. Developing the cost-effective and environmentally sound ways to reduce RWA's customers' peak demand for water without impacting revenues.

2. Educating the RWA and their constituents about conservation-friendly water rate structures.
3. Protecting and preserving the RWA watersheds.
4. Responding to stream flow or water supply-related legislation and regulations.
5. Land issues related to water quality and watershed conservation.
6. Reaching out to the environmental community and other constituents.

Emergency Preparedness

- The Committee, in collaboration with management, will lead the identification of goals for the RWA Business Continuity/Emergency Preparedness Program based on the emergency planning cycle of (1) Assessing Risk; (2) Planning; (3) Training; and (4) Exercising.
- Maintain an explicit, visible and communicated commitment to Business Continuity/Emergency Preparedness.
- Ensure RWA performs risk assessments; ~~that said ensure risk assessments that~~ are reviewed and updated; ~~on a periodic basis; or~~ as new hazards and threats emerge; ~~as well as~~ when facilities are constructed, rehabilitated or removed from service; ~~or~~ -when other significant changes occur that may alter the results of an assessment.
- Review with management preparedness plans, policies, and procedures that include incident management, crisis communications, disaster recovery, critical component failure, hazard-specific plans, and business continuity.
- Review with management training activities to support the RWA Emergency Preparedness Program.
- Review the emergency preparedness exercise program, ensuring that exercises occur on a regular basis and continuously build on previous experience, and review management's performance against this program.
- Review after action reports from real emergency events prepared by management.
- Identify key agencies that are essential for the RWA to maintain collaborative partnerships with for emergency response and recovery, and encourage management to foster beneficial relationships.

Reporting Responsibilities

- Regularly update the RWA about committee activities and make appropriate recommendations.

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August 19, 2021

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FY2022 Business Continuity Workplan

August 19, 2021

Presentation to the RWA Environmental, Health & Safety Committee

Amanda Schenkle, Manager of Environmental Health, Safety and Risk

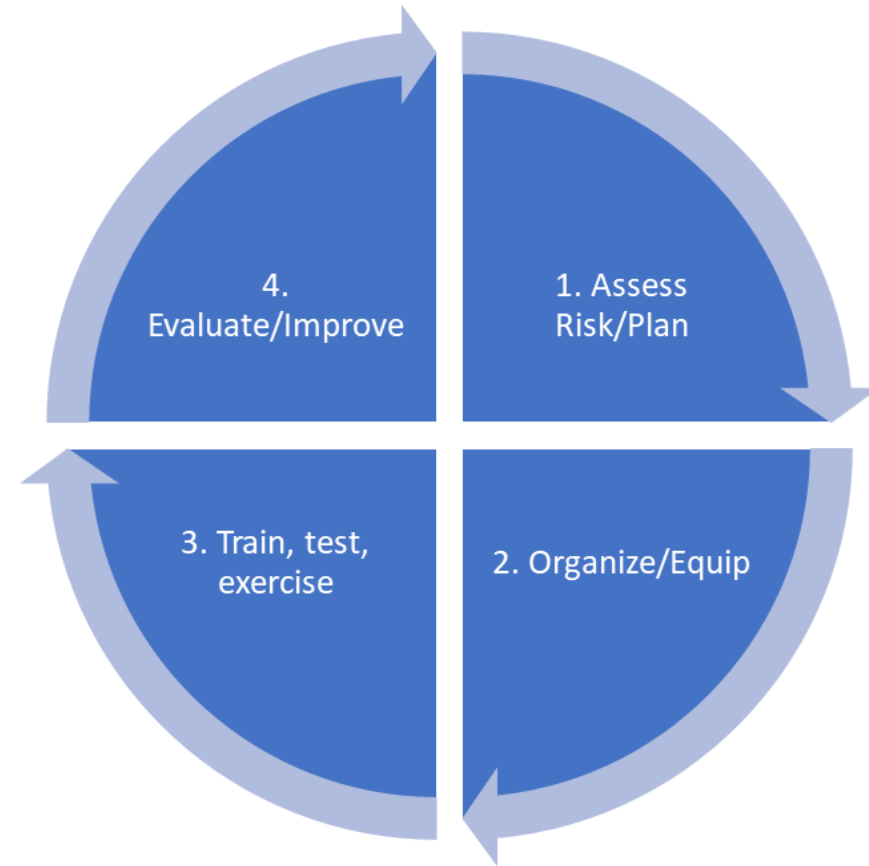
Kate Novick, P.E., C.S.P., Gradient Planning LLC, Consultant

New Factors Informing the FY2022 BCP Workplan

- America's Water Infrastructure Act
 - RWA's 2020 Water System Risk and Resilience Assessment and Update to the Emergency Response Plans
- COVID-19 Pandemic Event
- FY22 strategic goal to support climate and water-quality resiliency
- News events informing cyber security
 - May 2021 Colonial Pipeline's ransomware attack
 - February 2021 Cyberattack on Florida water treatment plant SCADA system

Emergency Preparedness Cycle

- This cycle guides emergency response activities and it results in performance during real emergencies
- Every action made in this process is made to support the utility mission during threats and actual incidents



Opportunities to Identify Continual Improvement Actions



Brief on Recent Tabletop Exercises

Ransomware Exercise

- May 21, 2021
- 23 staff over Zoom
- Tested
 - Incident Management Plan
 - Information Security Incident Response Plan
 - Business Continuity Plan
- Key continual improvement actions
 - Revisit loss of SAP during next BCP update
 - Analyze the IBM contract with respect to emergency events
 - Staff training and exercises

Spring Street PS Exercise

- June 7, 2021
- 30 staff over Zoom
- Tested
 - Incident Management Plan
 - Critical Component Failure Plan
 - Water Restriction Procedure
- Key continual improvement actions
 - Planning discussions, including one with CTDPH
 - Update plans
 - Develop procedure to provide alternate water per new CT regulation
 - Staff training and exercises

FY2022 Workplan Overview

AWIA Follow-up Activities

- SCADA Response, Business Continuity, and Disaster Recovery Plans
- Water Quality Emergency Response Plan

Business Continuity Plan Updates

- Update business impact analysis
- One overarching plan for the entire RWA
- Twenty-five department-specific plans

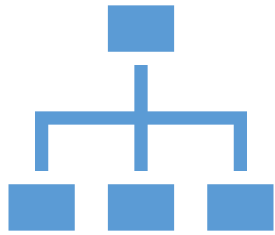
Training & Emergency Exercises

- Incident management and response training
- Spring Street Pump Station Tabletop Exercise
- North Cheshire Wellfield Tabletop Exercise
- Lake Gaillard Water Treatment Plant Functional Exercise

Program Management

- Business Continuity Committee Meetings over Zoom
- Training & Exercise Team Meetings over Zoom
- Managing preparedness activities including continual improvement actions identified by emergency exercises

Business Continuity Training Objectives for FY2022



Incident Management

More staff will receive incident management training for the first time or as a refresher, with focus on the Operations, Finance, Procurement, Communications, Engineering, and Information Technology Departments.



Response Plan Roles and Expectations

Key response plans for high risk events will be reviewed by department staff and discussed to (1) update the plans; (2) increase staff participation in the development of these plans; and (3) increase staff familiarity with the plans.

Emergency Exercise Objectives for FY2022



Cultivate

Cultivate “emergency preparedness culture” to reduce losses during future emergencies



Develop

Develop more in-house Incident Commanders and staff familiar with the incident command system, and provide them with increasingly complex exercises



Test

Test plans, response roles, and internal and external coordination

Questions

Presentation to the Regional Water Authority Environmental, Health & Safety Committee

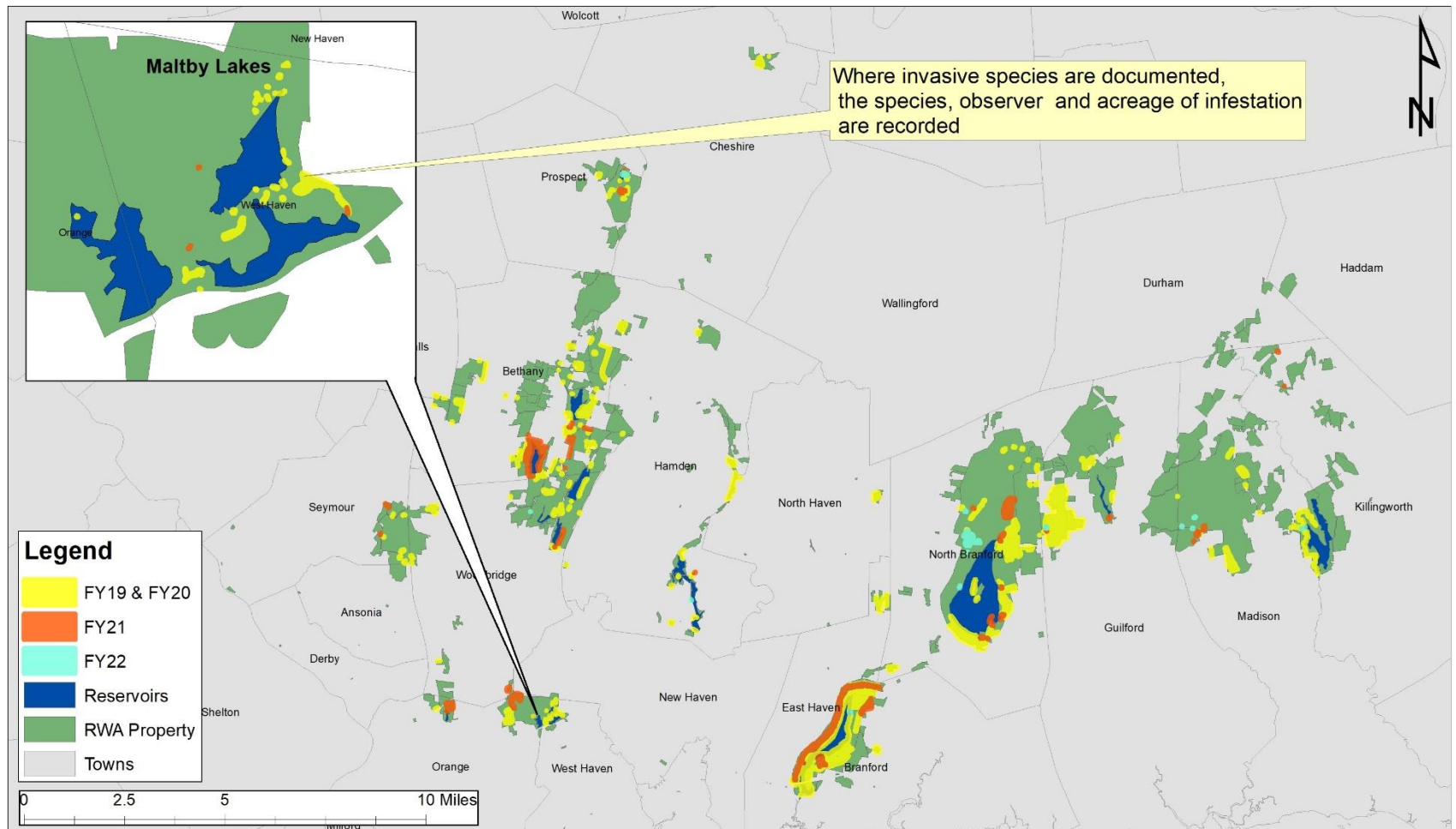
August 18, 2020

Update on Invasive Plant Management

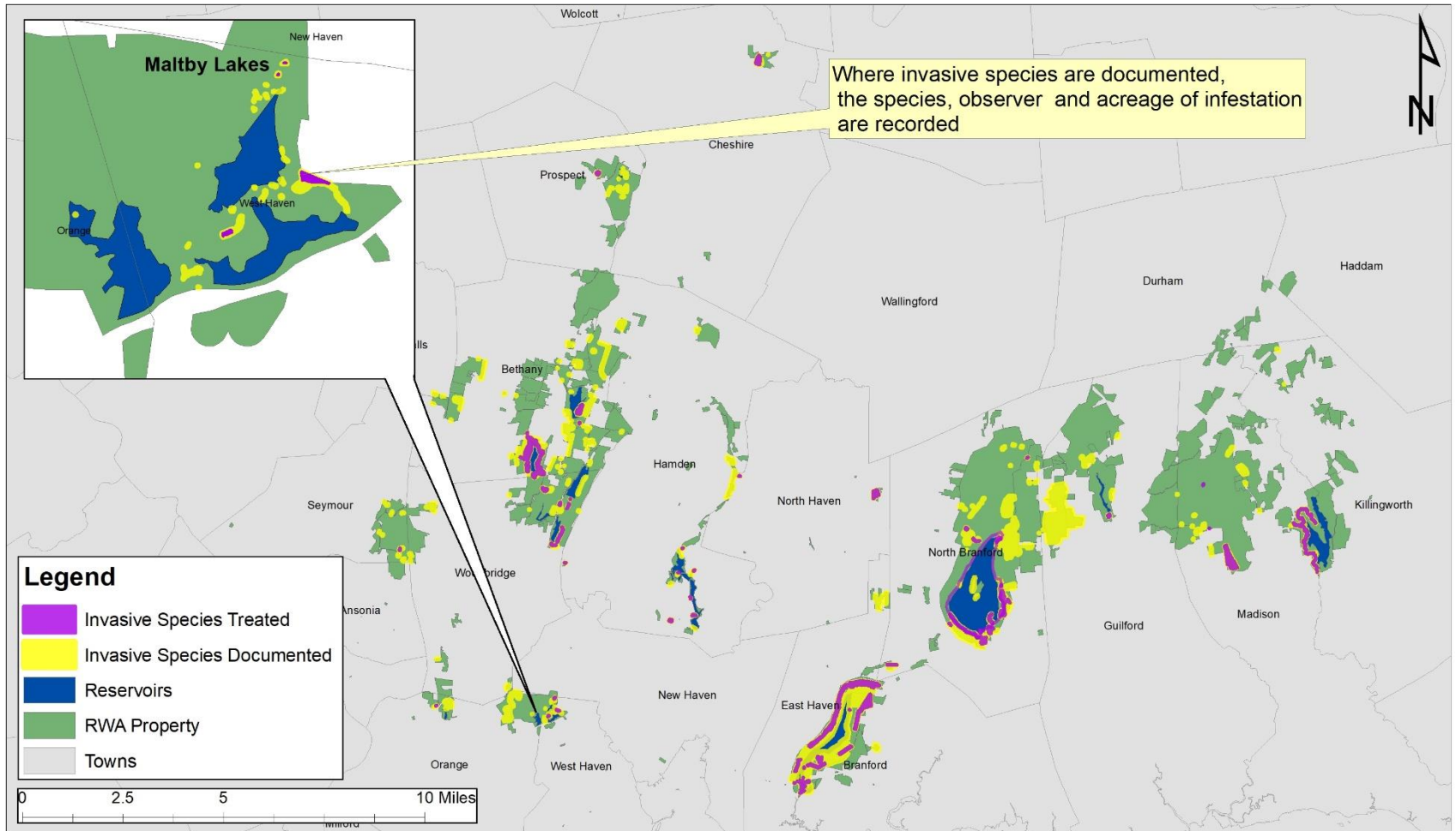


**Joshua Tracy
Invasive Species Management Technician**

Invasive Species Documented on Regional Water Authority Properties from FY19- FY22



Invasive Species Treated on Regional Water Authority Properties



Invasive Management Progress

Year	Acres Documented	Percentage of property documented	Acres Treated	Percentage of property treated
FY 2019	1,175	4%	110	0.4%
FY 2020	1,006	3.6%	78	0.28%
FY 2021	385	1.4%	192	0.71%
FY 2022	38	0.14%	3	0.01%
Total	2,195	7.65%	212	0.766%



Swallow-wort biocontrol



Hypena opulenta moth

Swallow-wort biocontrol



Invasive insect traps

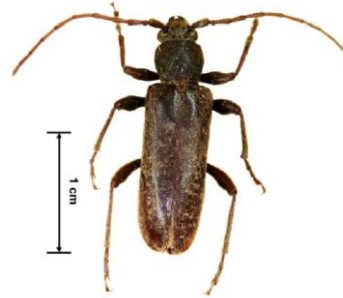


Figure 1. Adult velvet longhorned beetle. Image from Christopher Pierce, USDA APHIS PPQ, Bugwood.org



Figure 1. Adult oak ambrosia beetle. Image from Joseph Benzal, Screening Aids, USDA APHIS ITP, Bugwood.org



Gyorgy Csoka, Hungary Forest Research Institute, Bugwood.org

Figure 1. Adult Oak Processionary Moth.



Japanese knotweed control

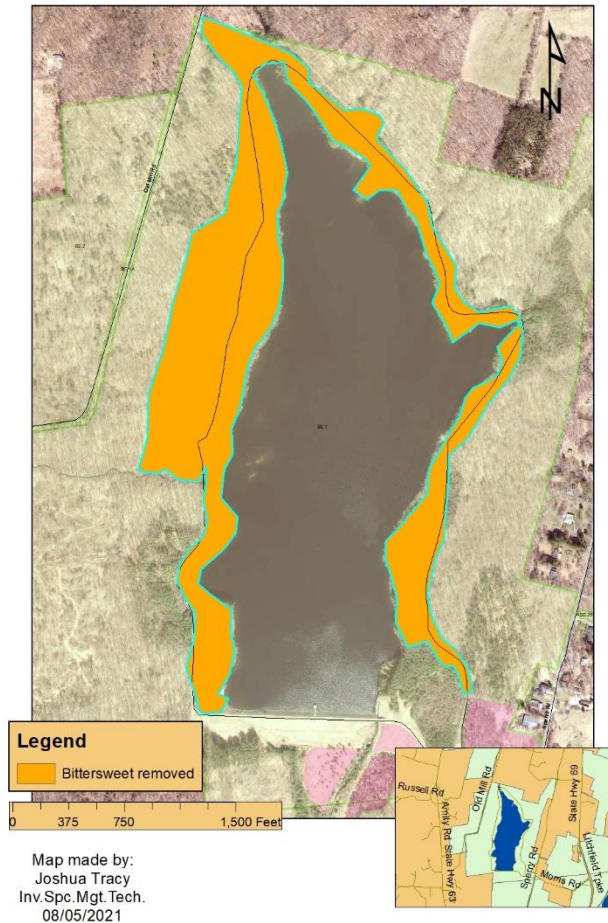


Japanese knotweed control



Bittersweet around Chamberlain

Bittersweet removal- Lake Chamberlain



- Roughly 60 acres of bittersweet was cleared during the winter of 2020-2021.
- This clearing corresponds with the FY 2021 goal of installing fishing trails at Lake Chamberlain.

Third year stiltgrass plots.



Furnace pond water chestnut harvest.



Equipment for harvesting.



Contractor:

SOLitude.

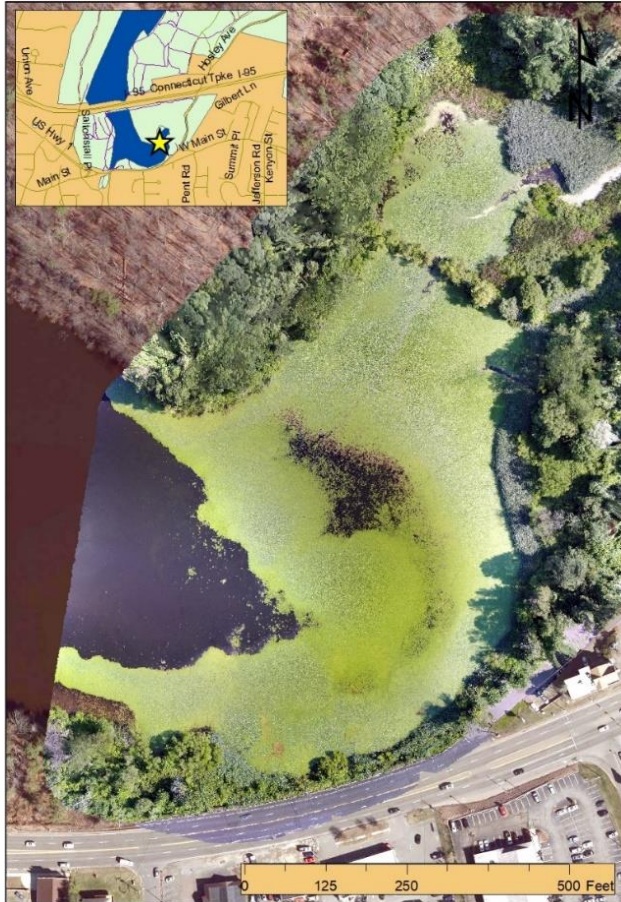
Capacity:

Holds ~1088 cubic feet of material.

Time between off-loadings:

~25 minutes.

Water Chestnut Harvest- Pre Harvest



07/06/2020

Water Chestnut- Pre Harvest



07/16/2021



Presentation to the Regional Water Authority Environmental, Health & Safety Committee

August 19, 2021

Update on Lead & Copper Rule



Tom Barger,
Manager, Water Quality

Update on Issue of Lead

- Lead Service Lines – Expanding Definition
- Contract signed with CDM Smith
 - Development of a Service Line Inventory (2021-22)
 - Develop a service line replacement plan by 2025
 - Review existing Corrosion Control Treatment
- Changes to sampling; distribution of filters
- Keep CTDPH advised

CTDPH Info Request

- Complete Materials Evaluation
 - Initial - November 2019
 - Annual requirement
- 2021 - Inventory estimates:
 - approx. 12.5K utility-side unknowns
 - approx. 30K private-side unknowns
- Private side data limited

Lead Service Line Definition

- Expansion to include galvanized iron services if downstream of a lead service line *currently or at any time in the past*
- Anticipated that gooseneck connectors will also be included
 - All goosenecks vs. specific ones based on composition.
 - If gooseneck and galvanized: Approximately 4,500
 - Anticipating an EPA ruling by the end of September 2021

Anticipated Regulatory Changes

- Changes to current corrosion control
- A return to a 2x/year monitoring schedule
- Utility responsibility for lead testing
- Addition of a lead ‘Trigger Level’

Current Actions - RWA

- Identification and development of partnerships
 - Municipal, Environmental, Faith-based, LWV
- Identify and apply for funding assistance
- Consider impacts to the PipeSafe protection program
- Developing customer messaging/public education

Current Actions – RWA/CDM

- Validation of Inventory data
- Identify unknown service types
 - dependent on CTDPH verification
- Development of service line replacement plan
 - Initial Plan due 2025
- Ensure availability of anticipated components – service lines & fittings, filters

Near Future Steps

- Ensure our partnering agencies are aware of this effort and are clear on our expectations of them – We will not succeed without them
- Prioritization of where work will initiate and how it will progress – clear and concise, based on what the data tells us
- Begin implementation of regulatory requirements early – will entail a live pilot program to work out all the bugs