



FirstLight

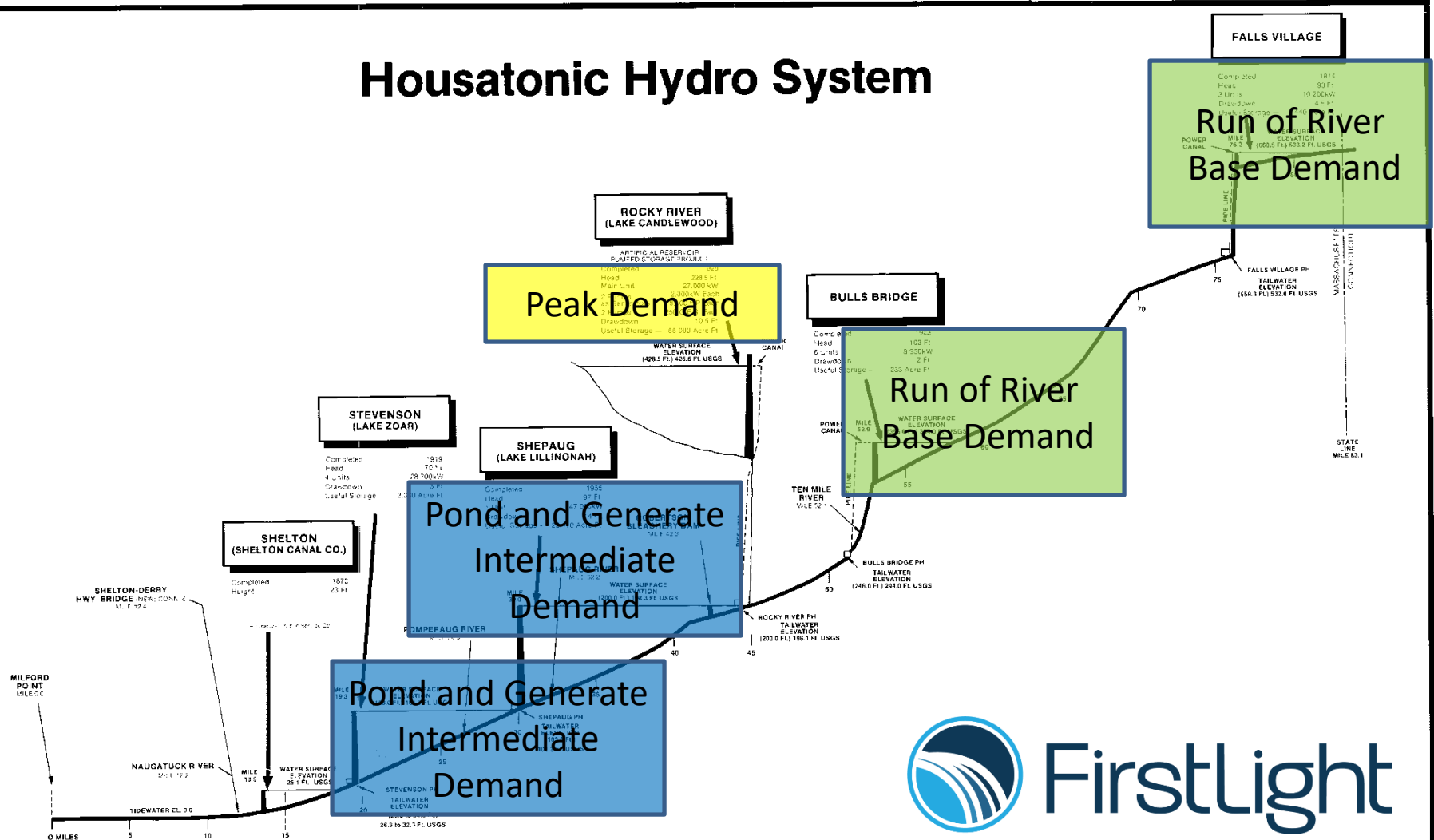
How Hydro Power Works

Balancing Public, Private & Recreation

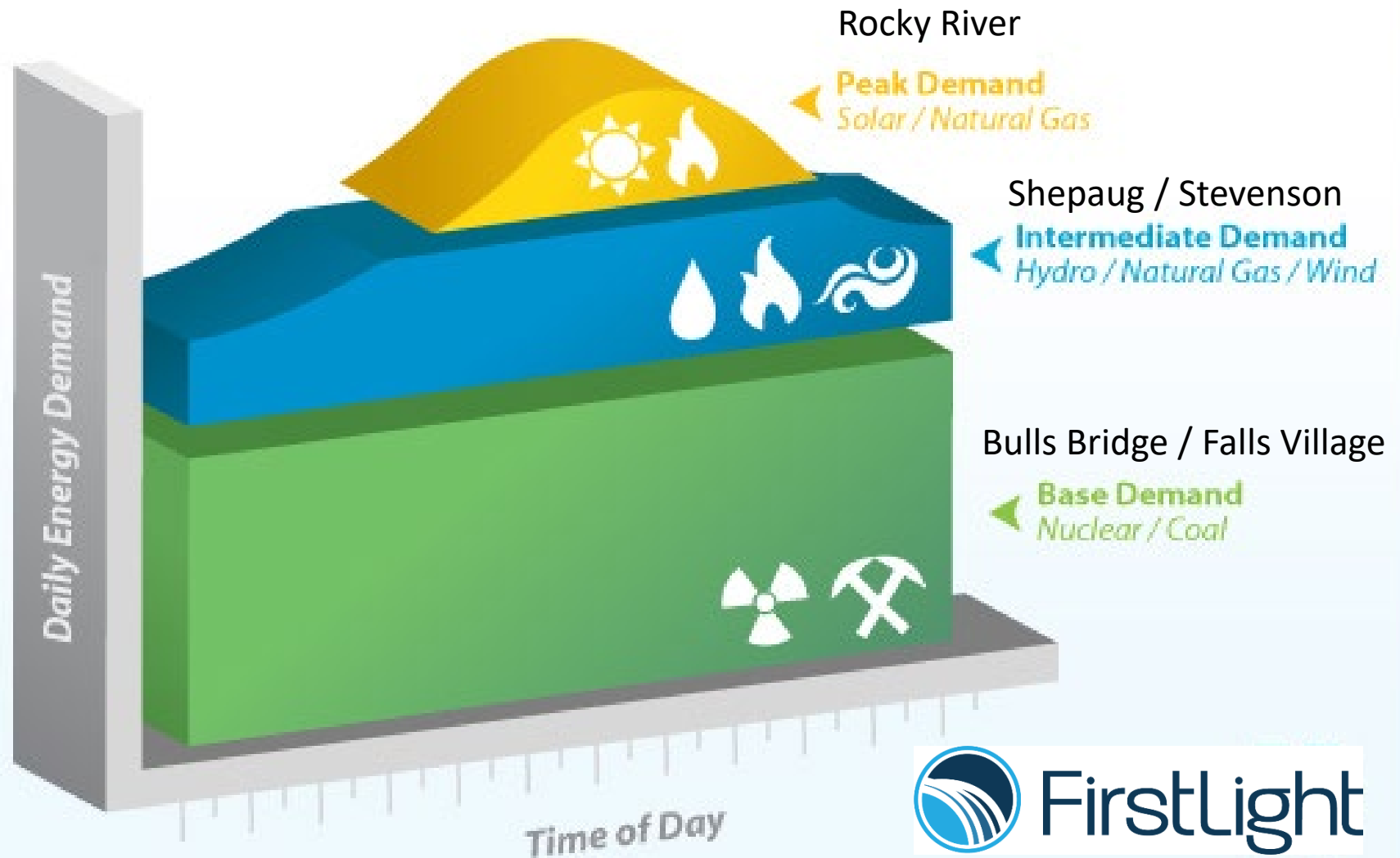


How the Housatonic River Works

Housatonic Hydro System



Electricity Demand and Load





FirstLight

Shepaug Eagleview

SHEPAUG RECREATIONAL AREA

The environment in the vicinity of the Shepaug Hydroelectric Station, the largest hydroelectric station in Connecticut, provides a unique habitat for wildlife and is an important winter (December through March) feeding site for bald eagles.

LOCATION

2225 R Rd No 1, Southbury, CT 06488

[Get directions >](#)



BALD EAGLES IN CONNECTICUT



HIKING, PICNICKING, AND FISHING

The area is open for summer hiking, picnicking, and fishing from Memorial Day to Labor Day. The 1/2 mile [Shepaug Interpretive Trail](#) on the shore of Lake Lillinonah describes the diverse roles trees play from shade, to wood products, to food for both people and wildlife. Shepaug Recreation Area also boasts two canoe portages both upstream and downstream of the power station along with two vegetative buffer garden demonstration areas showcasing native plants.

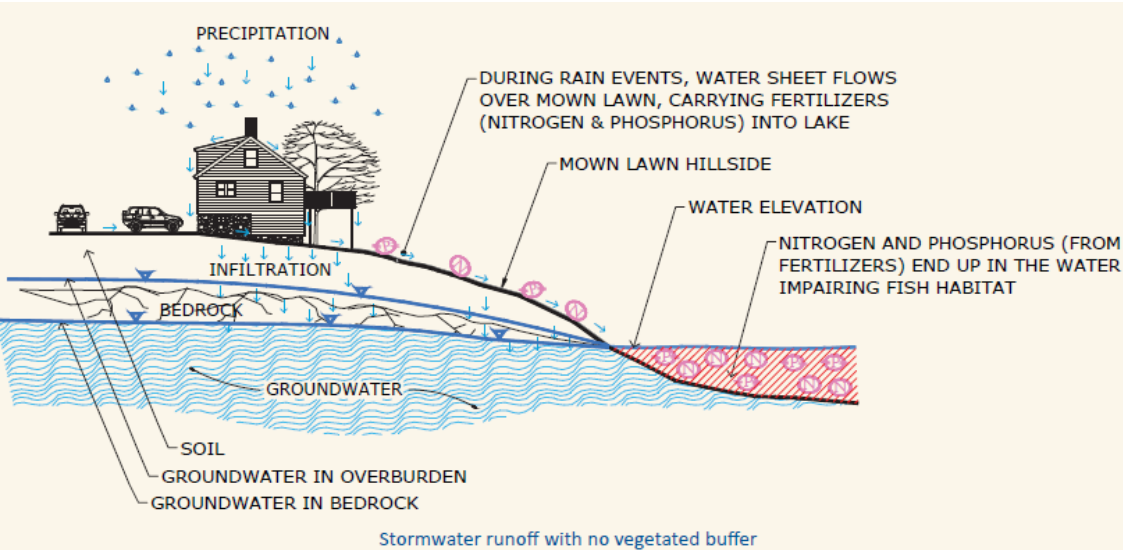
2020 Dam Safety & Recreation Vegetation Management Plan

- **Project Goals:**

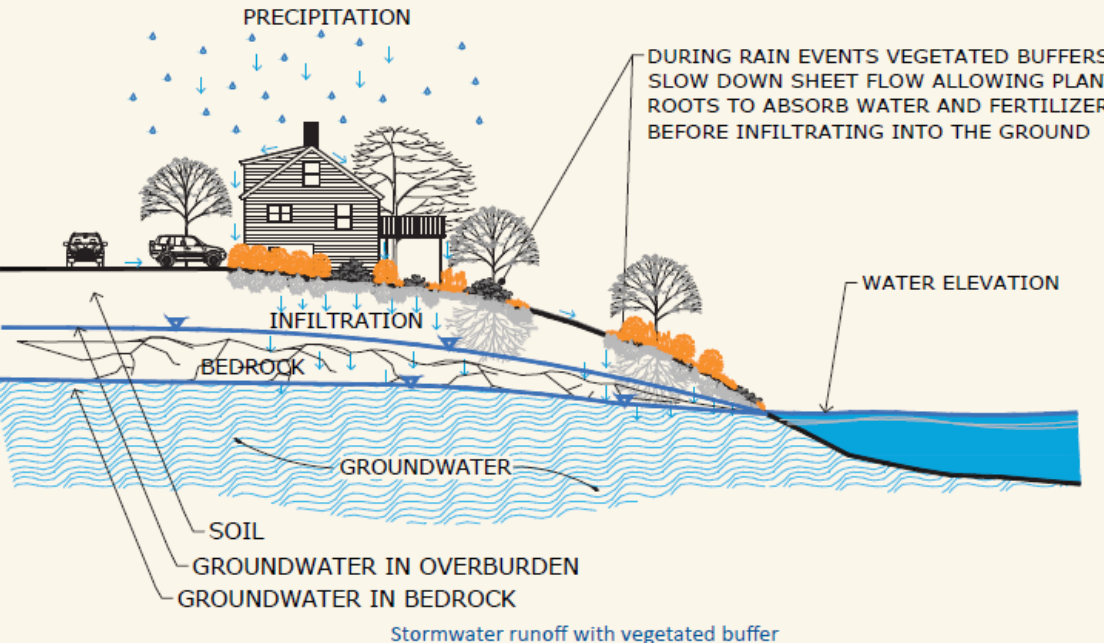
- Ensure areas where FirstLight staff regularly accesses are maintained
- Ensure that all Dam Monitoring Equipment is visible
- Ensure Recreation and Natural Areas are maintained
- Provide and maintain a balance between Dam Safety, Natural Resources Protection and Public Access & Use

Overall, the long-term goals of FLPR are to:

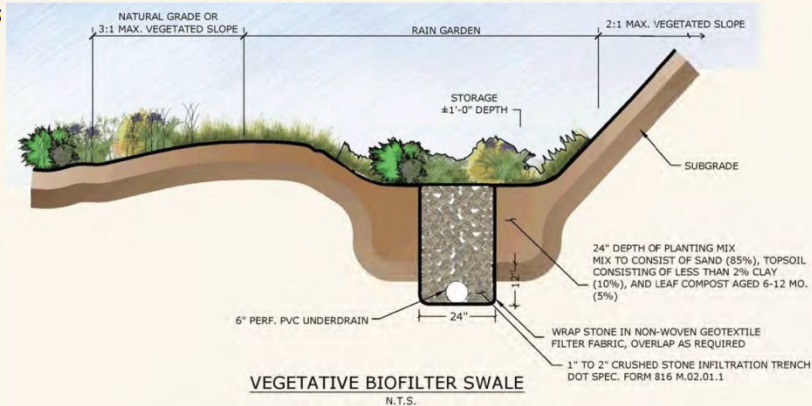
- 1) Control and maintain the existing vegetation
- 2) Create manageable conditions for vegetation control to be more efficient with fewer chemicals
- 3) Reduce hazards to the public and staff (including potential risk trees and other vegetation)
- 4) Ensure all relevant portions of Hydro Dams are visible for weekly inspections and are safe
- 5) Retain soil integrity and maintain water quality



Typical infiltration gallery layout for residential properties



Vegetated Biofilter Swale





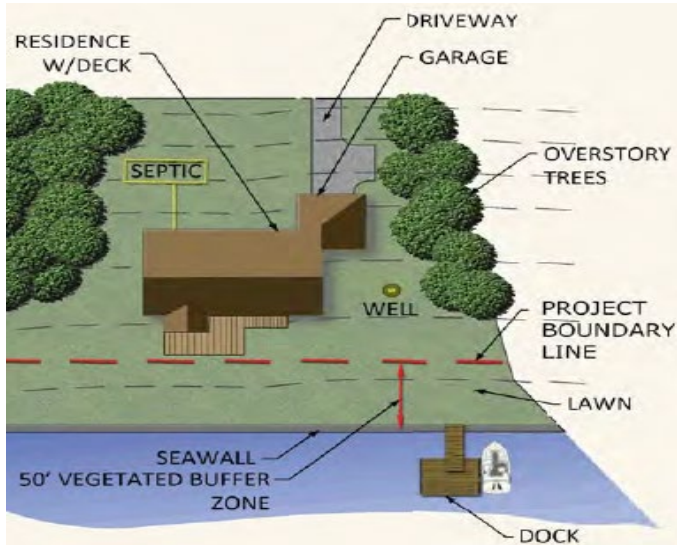
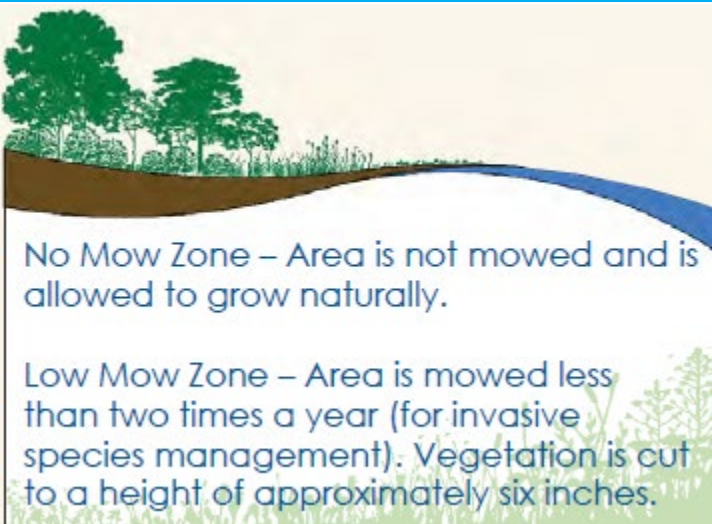
This Rain Garden was incorporated into an existing meadow.



The Splash pad captures and slows the initial force of the water then the water slowly spreads out into the rest of the rain garden basin.



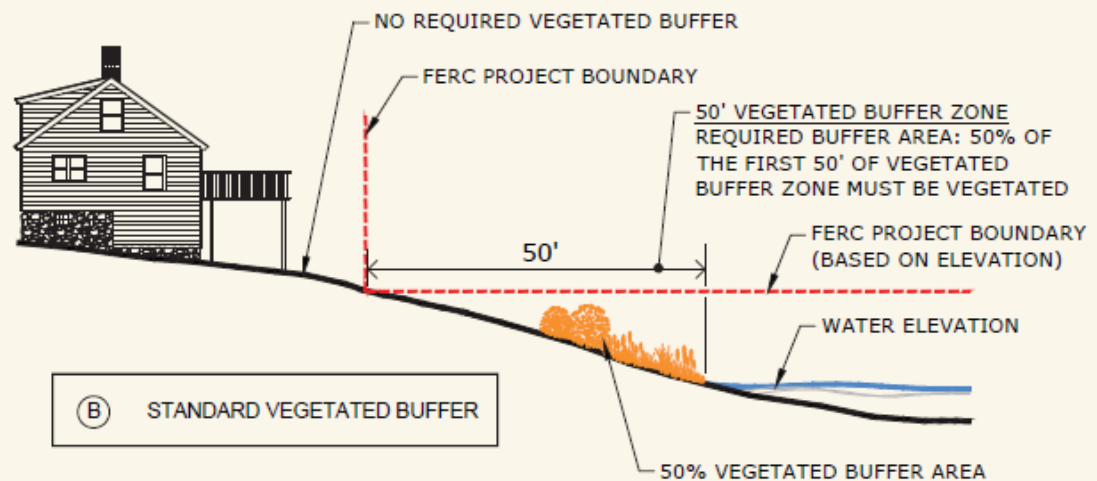
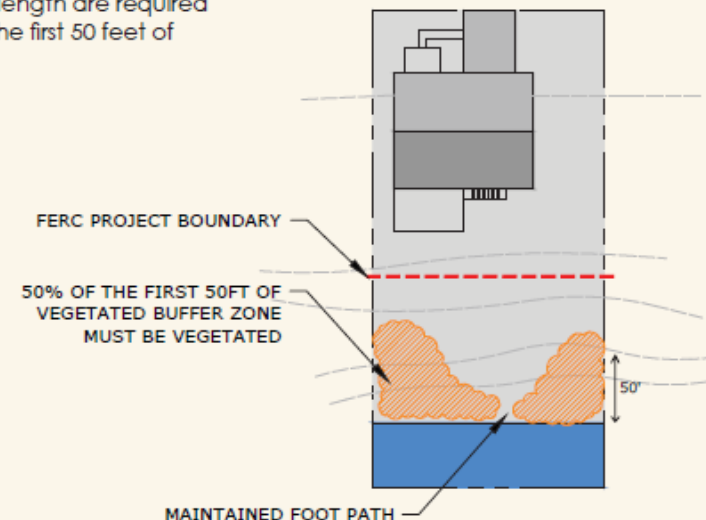
Vegetated Buffer Plan – What's Required



Established vegetated buffer zone for residential properties

B. Standard Vegetated Buffer

Residential areas within a FERC project boundary that is approximately 50 feet or greater in length are required to vegetate at least 50 percent of the first 50 feet of that project boundary.



Enhancing the Vegetated Buffer



Using Technology

Tools – GIS – Databases



Property Management

Home Manage Activities Start Activities Inspections

Property Management

Information **HRPID Number:** HRP-176894 Owner:
(Click to Open Map)
☒ Water Front ☐ Flowage

Compliant Buffer Date:
Site Address: 24 GREENWOOD RD NEW MILFORD Mailing Address:
Global View
Update
Lake: CANDLEWOOD LAKE
Station: ROCKY RIVER

PROPERTY ACTIVITY: LOCK:- Date: 4/8/2014 User: ADMIN Description: VIOLA
PROPERTY: NOTICE:- Date: 4/8/2015 User: ADMIN Description: HISTORIC PER

Information

Activities Transfers Workflow Land Management

Records | Pages -> 1

Activity No.	Type	Subtype
H14-001407	HISTORIC	
V14-0071	VIOLATION	HISTORIC
NCI-00997	NONCONFORMINV	NONCONFORMINV

Records | Pages -> 1





FirstLight What about seawalls?

New Seawalls can be part of the Buffer – If Designed Correctly

