Successes, Lessons Learned, and What’s Next

Barbara McMillan & Lisa Loosigian,
NH Department of Environmental Services
Goal of soaking up 550,000 gallons of stormwater by the end of 2016!
stormwater property BMPs pollution outreach
Why does it matter?

Stormwater runoff causes or contributes to over \( ? \% \) of NH’s water pollution problems.
Two Issues

POLLUTANT TRANSPORT

EXCESS RUNOFF
Stormwater Footprint

- Improper gutters
- Roof runoff
- Compacted soils
- Pet waste
- Fertilizer & pest control
- Driveway runoff
- Erosion & gully formation
Managing Sources

Residential

Commercial

Roads & Highways
Managing Sources

Single Lot Residential
Managing Sources
Managing Sources
Opportunities
Soak up the rain NH

Outreach & Education

Partnerships

Everything in Between

Full Scale Assessment & BMP Installation Program

Outreach & Education Only
Local Partners

- Green Mountain Conservation Group
- Phillips Exeter Academy
- Metropolitan 900° Pizzeria
- Town of Hampton Conservation Commission
- Lamprey River Advisory Committee
- Great Bay Stewards
- Rolling Green Nursery
- Silver Lake Land Trust
- University of New Hampshire Cooperative Extension
- NH Audubon

Protecting our environment since 1914
Partner Benefits

- Classroom and field training
- Project design and results
- Installations

YOU can use any of the resources at [www.soaknh.org](http://www.soaknh.org).
Web Presence
LESSONS LEARNED
Partners
Program Structure

Local Partners

Home Owners
Lessons Learned

1. A successful program needs an energetic, local champion.

Recommendations
Lessons Learned

2. Build a diverse volunteer network.

Soak Up the Rain volunteers can take the heat!
Lessons Learned

3. Tap in to local partners to locate project sites.

Recommendations
Lessons Learned

4. Be Realistic.

Recommendations
Lessons Learned

5. Plan for maintenance.

Recommendations
LESSONS LEARNED
Projects
# Rain garden plants

## Native Plants for New England Rain Gardens

<table>
<thead>
<tr>
<th>Scientific Name</th>
<th>Common Name</th>
<th>Rain Garden Zone</th>
<th>Soil Moisture</th>
<th>Light Exposure</th>
<th>Bloom Period &amp; Color</th>
<th>Mature Size</th>
<th>USDA Hardiness Zone</th>
<th>Attractive to</th>
<th>Plant Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PERENNIALS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Eutrochium</em> (formerly <em>Eupatorium</em> purpureum)</td>
<td>Sweet Joe Pye weed</td>
<td><strong>Base</strong></td>
<td><img src="image" alt="Rain" /></td>
<td><img src="image" alt="Sun" /></td>
<td><img src="image" alt="Sep-Oct" /></td>
<td>3'</td>
<td>3-6'</td>
<td>3-8</td>
<td><img src="image" alt="Flower" /></td>
</tr>
<tr>
<td><em>Gentiana clausa</em></td>
<td>Closed gentian or Meadow bottle gentian</td>
<td><strong>Base</strong></td>
<td><img src="image" alt="Rain" /></td>
<td><img src="image" alt="Sun" /></td>
<td><img src="image" alt="Jun-Sep" /></td>
<td>1'</td>
<td>1-3'</td>
<td>3-8</td>
<td><img src="image" alt="Flower" /></td>
</tr>
<tr>
<td><em>Geranium maculatum</em></td>
<td>Spotted crane’s bill</td>
<td><strong>Base</strong></td>
<td><img src="image" alt="Rain" /></td>
<td><img src="image" alt="Cloud" /></td>
<td><img src="image" alt="Aug-Sep" /></td>
<td>1'</td>
<td>1-1.5'</td>
<td>4-8</td>
<td><img src="image" alt="Flower" /></td>
</tr>
<tr>
<td><em>Helenium autumnale</em></td>
<td>Common sneezeweed</td>
<td><strong>Base</strong></td>
<td><img src="image" alt="Rain" /></td>
<td><img src="image" alt="Sun" /></td>
<td><img src="image" alt="Aug-Oct" /></td>
<td>2-5'</td>
<td>3'</td>
<td>3-8</td>
<td><img src="image" alt="Bee" /></td>
</tr>
<tr>
<td><em>Iris versicolor</em></td>
<td>Blue Iris or Blue flag</td>
<td><strong>Base</strong></td>
<td><img src="image" alt="Rain" /></td>
<td><img src="image" alt="Sun" /></td>
<td><img src="image" alt="Jun-Sep" /></td>
<td>2-3'</td>
<td>2-3'</td>
<td>2-7</td>
<td><img src="image" alt="Insect" /></td>
</tr>
<tr>
<td><em>Lobelia cardinalis</em></td>
<td>Cardinal flower</td>
<td><strong>Base</strong></td>
<td><img src="image" alt="Rain" /></td>
<td><img src="image" alt="Cloud" /></td>
<td><img src="image" alt="Oct" /></td>
<td>2-4'</td>
<td>2'</td>
<td>3-8</td>
<td><img src="image" alt="Bird" /></td>
</tr>
</tbody>
</table>
New Approach

handprintparties

HAND PRINT
Action Towards Sustainability
New Video!

Install a Rain Garden
Learn the steps involved in installing a residential rain garden.

Find us on Facebook

Hey New Hampshire!
These practices capture rain and runoff

If this sounds good to you, check out the SOAK NH website!

C:\barb\RainGarden.mp4
Congratulations!

We exceeded our goal of soaking up 550,000 gallons of stormwater by the end of 2016.
Dear Past,
thank you for all the lessons.

Dear Future,
I am ready!!!
Program Goal

Residential stormwater management becomes as commonplace as recycling.
Help Us Meet That Goal!

- Use our resources
- Invite us to your venue
- Become a SOAK partner
Questions or Comments?

Have questions?  
Want to get involved?

Lisa Loosigian & Barbara Mc Millan, NHDES Watershed Assistance Section

lisa.loosigian@des.nh.gov  603-419-0322  
barbara.mcmillan@des.nh.gov  603-271-7889