

# 2017 NH Water & Watersheds Conference

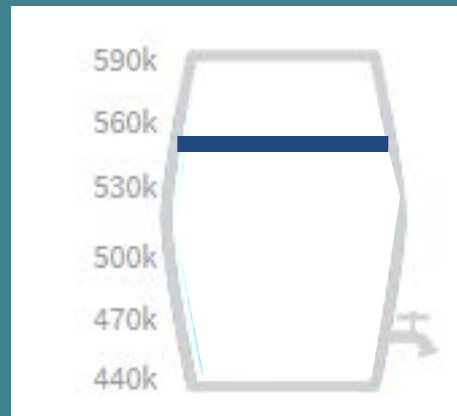


Successes, Lessons Learned, and What's Next

Barbara McMillan & Lisa Loosigian,  
NH Department of Environmental Services



Goal of soaking up 550,000 gallons  
of stormwater by the end of 2016!





# Why does it matter?

Stormwater runoff  
causes or contributes to over

? %

of NH's water pollution problems.





# Two Issues

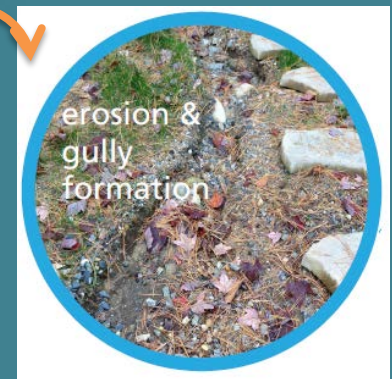
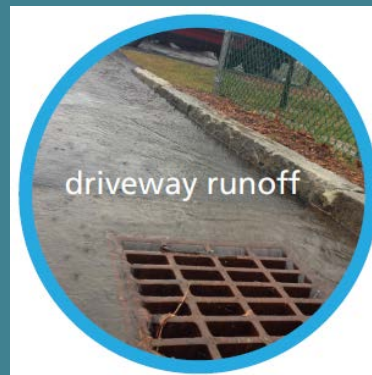
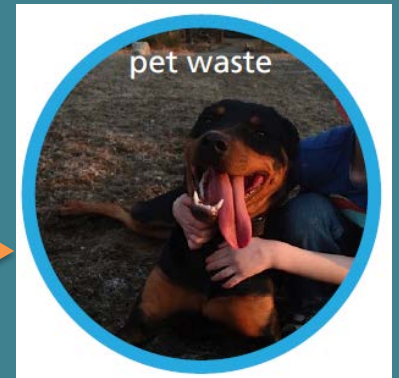
POLLUTANT  
TRANSPORT



EXCESS  
RUNOFF



# Stormwater Footprint





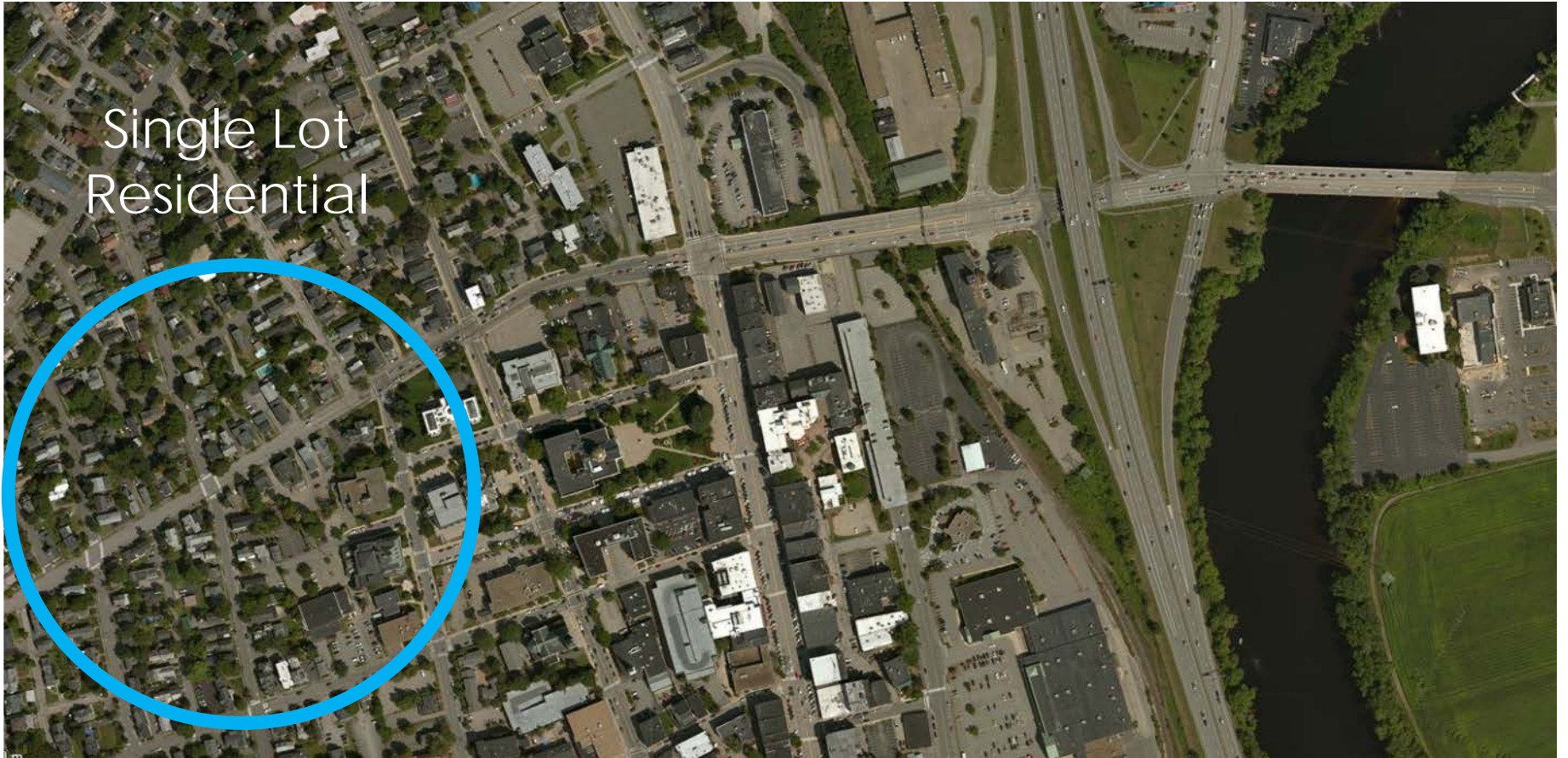
# Managing Sources





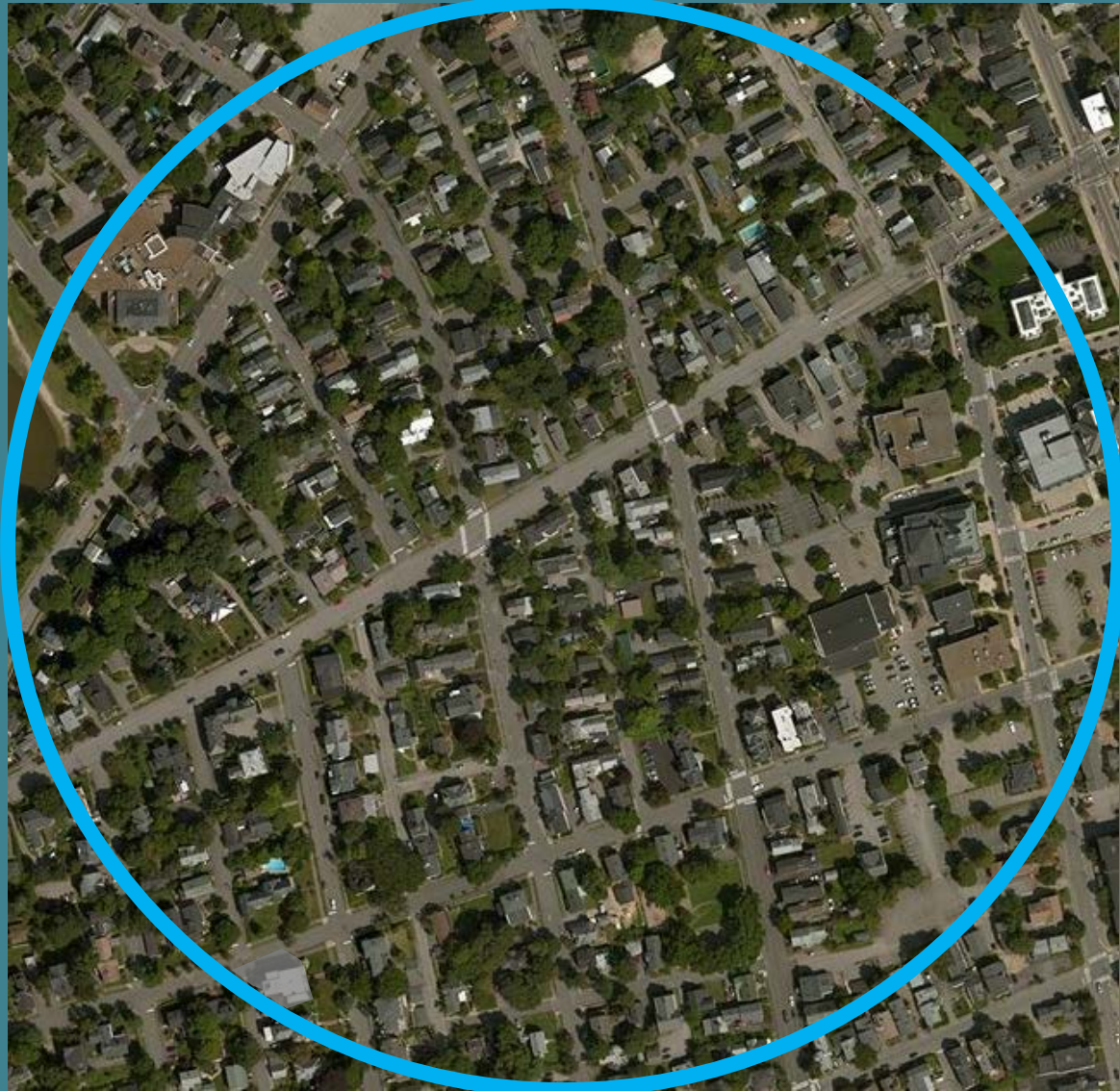
# Managing Sources

Single Lot  
Residential





# Managing Sources





# Managing Sources

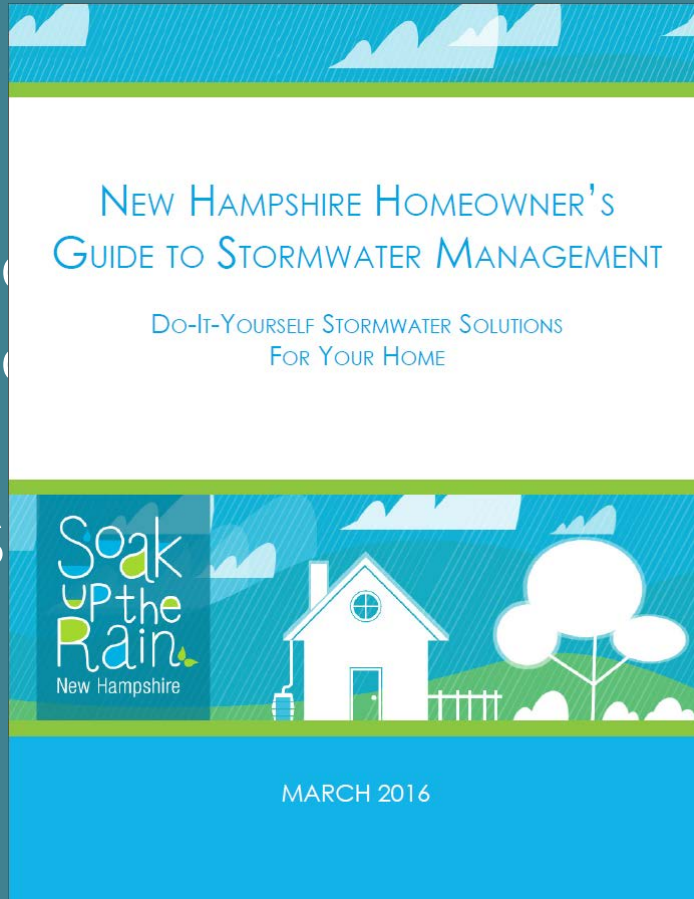




# Opportunities



# NH Homeowner's Guide





# Partnerships

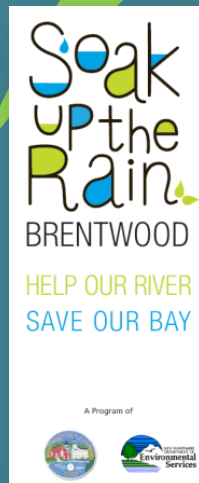
Everything  
in Between



Outreach &  
Education  
Only



Full Scale  
Assessment  
& BMP  
Installation  
Program





# Local Partners

**Green Mountain**  
Conservation Group



Silver Lake Land Trust  
Harrisville and Nelson, NH

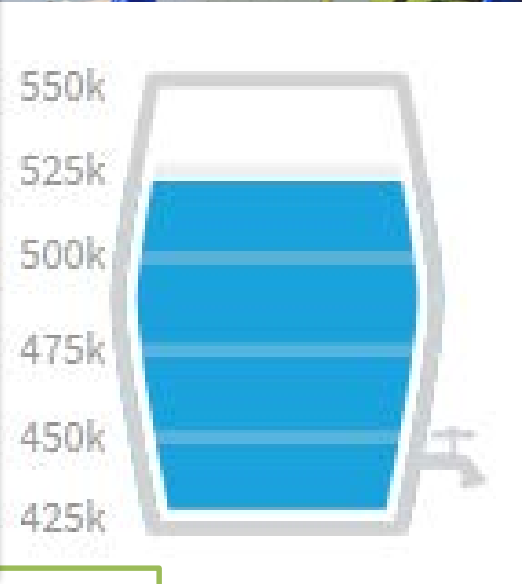


**University of New Hampshire**  
Cooperative Extension



# 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

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## Resources

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[Publications](#)

[Rain Garden Planning](#)



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and restore  
this site to



## olution

n gardens, using rain  
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Soak NH added Rubber Razors - August 23 · 🌐

Installed 08/16/2016



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Published by robert.livingston@des.nh.gov [?] · March 9 at 9:36am · 🌐

Patently waiting for spring about the same as Rocko for a treat



172 people reached

Boost Unavailable

Log In

New

# LESSONS LEARNED

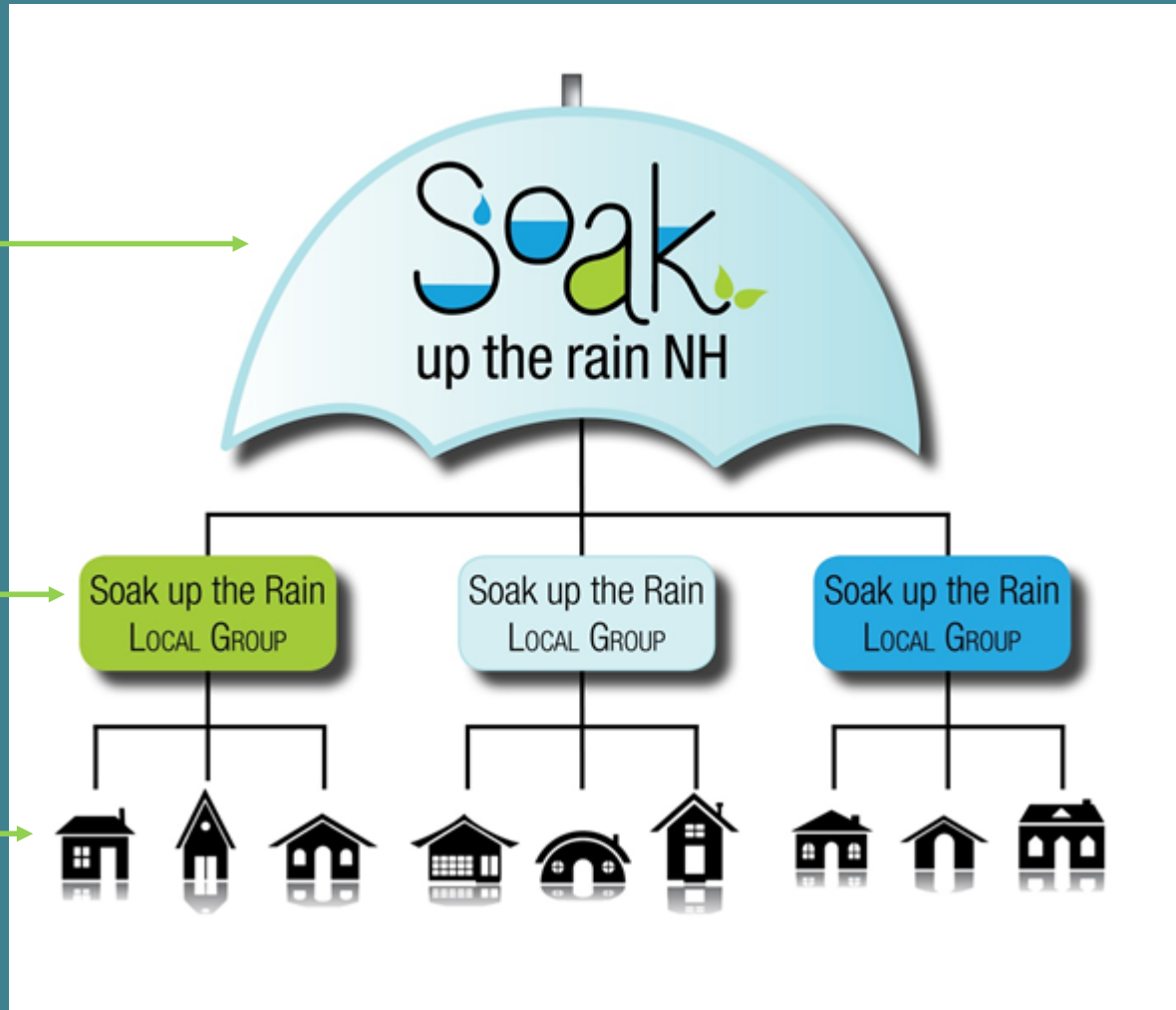
## Partners

# Program Structure

NH DES

Local  
Partners

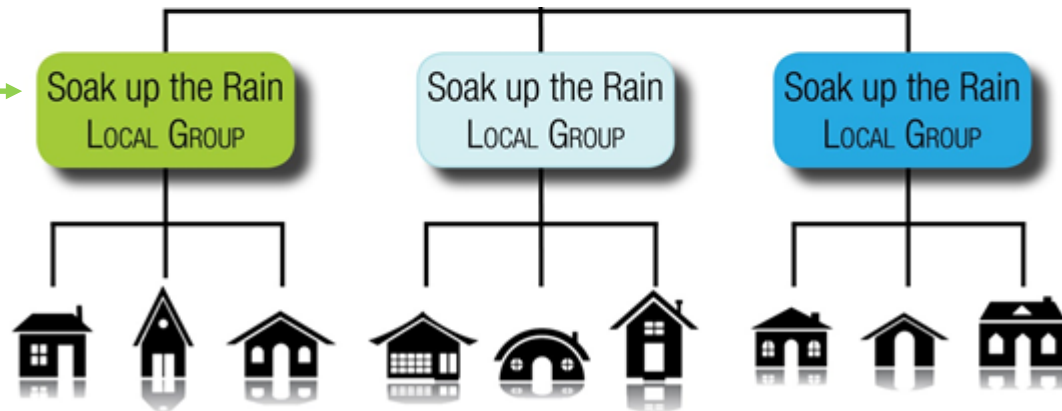
Home  
Owners



# Program Structure

Local  
Partners

Home  
Owners

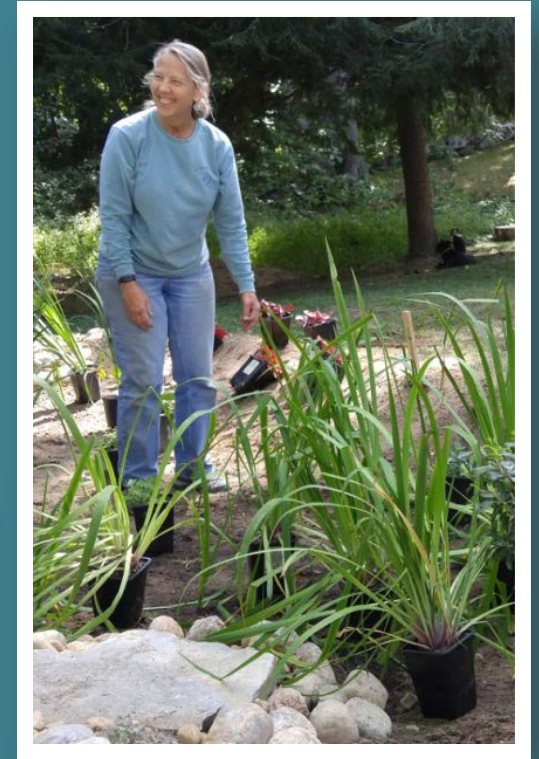




# Lessons Learned

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

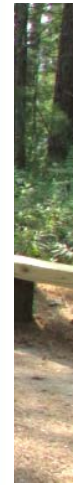
## Recommendations



# Lessons Learned

2. Build a diverse volunteer network.

## Re challenges





# Lessons Learned

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

## Recreation Challenges





## 4. Be Realistic.

### Recreation Challenges

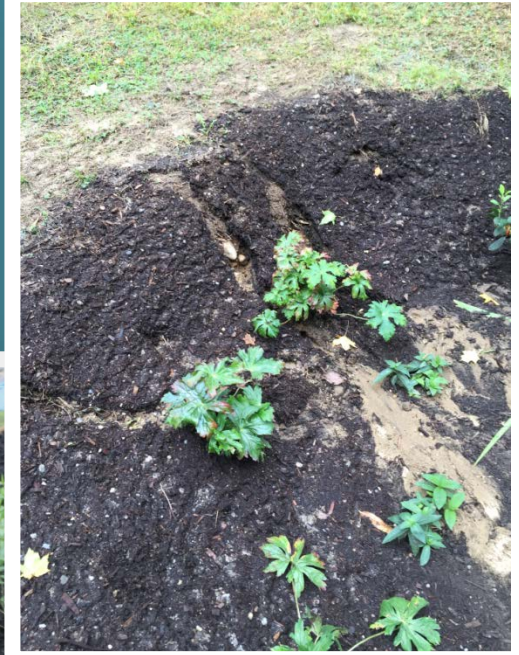




# Lessons Learned

5. Plan for maintenance.

## Revegetation Challenges



# LESSONS LEARNED

## Projects



# SOAK Projects





# SOAK Projects



























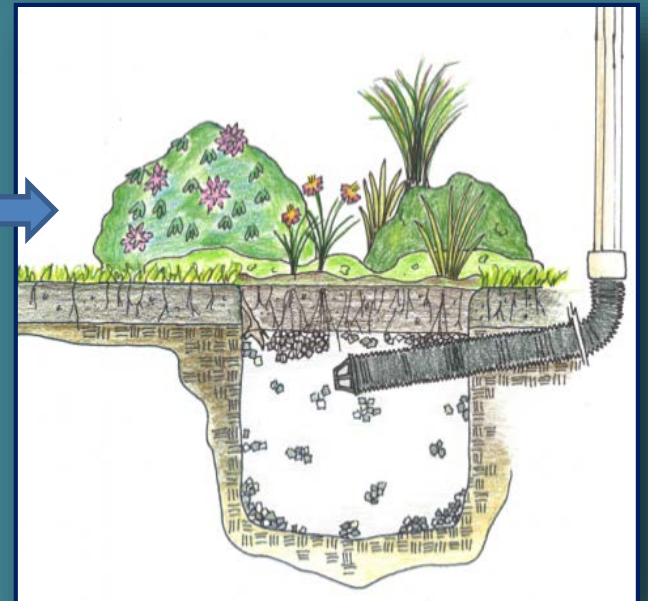
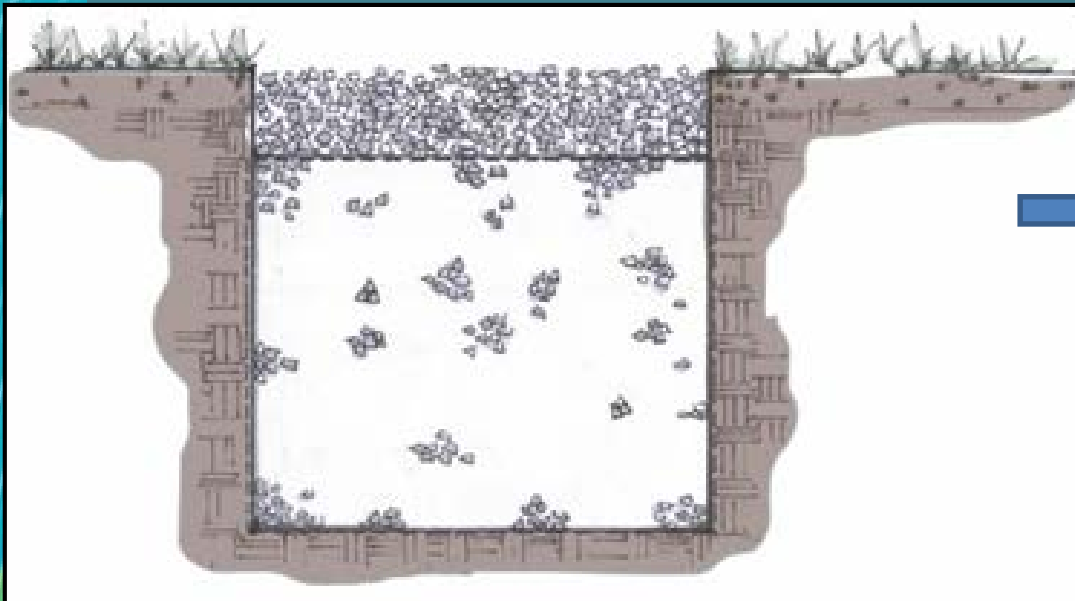
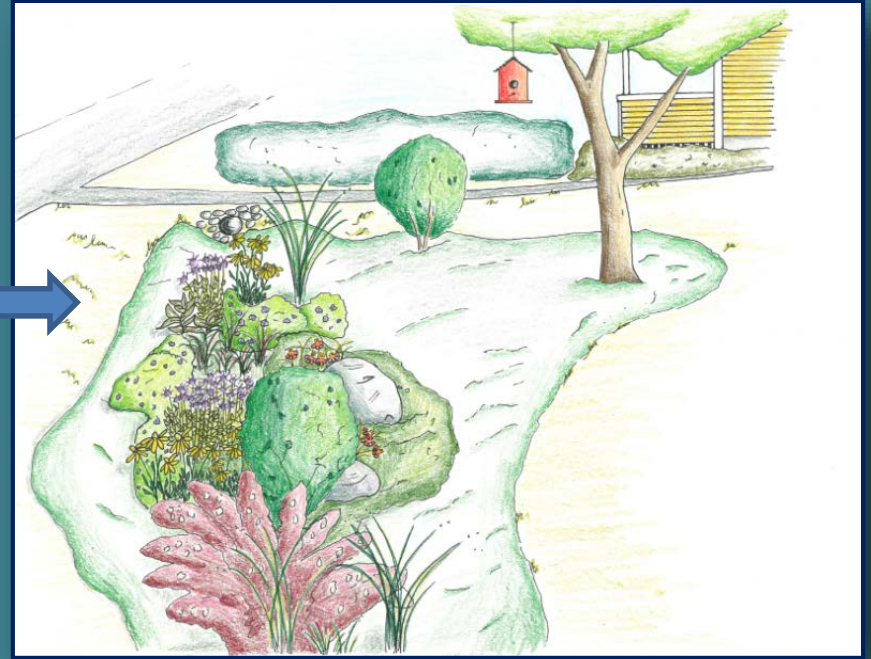


# UPDATES

# Rain garden plants

## Native Plants for New England Rain Gardens

| Scientific Name<br>Common Name  | Rain Garden Zone |       |      | Soil Moisture   | Light Exposure  | Bloom Period & Color |      |      |     |      |     | Mature Size   |               | USDA Hardiness Zone | Attractive to:  | Plant Notes  |
|---|------------------|-------|------|---|---|----------------------|------|------|-----|------|-----|---------------|---------------|---------------------|---|--|
|   | Base             | Slope | Berm |   |   | May                  | June | July | Aug | Sept | Oct | Height (feet) | Spread (feet) |                     |   |  |
| PERENNIALS  |                  |       |      |   |   |                      |      |      |     |      |     |               |               |                     |   |  |
| <br><i>Eutrochium</i> (formerly <i>Eupatorium</i> ) <i>purpureum</i><br>Sweet Joe Pye weed | •                |       |      |    |    |                      |      | •    | •   | •    |     | 3-6'          | 3'            | 3-8                 |    | Popular cultivars include 'Gateway' (6' tall) and 'Little Joe' (3' tall). Other <i>Eutrochium</i> species are also suitable.                         |
| <br><i>Gentiana clausa</i><br>Closed gentian or Meadow bottle gentian                      | •                |       |      |    |    |                      |      |      | •   | •    |     | 1-3'          | 1-2'          | 3-8                 |    | True blue flowers never fully open. Good understory plants.  |
| <br><i>Geranium maculatum</i><br>Spotted crane's bill                                      |                  |       | •    |    |    | •                    | •    |      | •   | •    |     | 1'            | 1-1.5'        | 4-8                 |    | Geraniums come in many species and cultivars. 'Spessart' is a popular cultivar with pink early summer bloom. 'Rozanne' is a blue, late summer bloom. |
| <br><i>Helenium autumnale</i><br>Common sneezeweed  | •                |       |      |   |   |                      |      |      | •   | •    |     | 2-5'          | 3'            | 3-8                 |   | Orange and red-colored cultivars available.  |
| <br><i>Iris versicolor</i><br>Blue iris or Blue flag                                     | •                |       |      |  |  |                      |      | •    |     |      |     | 2-3'          | 2-3'          | 2-7                 |  | Sturdy plant with thick rhizomes. Great choice for placing near the rain garden inlet and outlet.  |
| <br><i>Lobelia cardinalis</i><br>Cardinal flower   | •                |       |      |  |  |                      |      |      | •   | •    | •   | 2-4'          | 2'            | 3-8                 |  | Lobelia will often reseed itself and migrate in the garden.  |





# 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 

## Hey New Hampshire!



These practices capture rain and runoff



If this sounds good to you

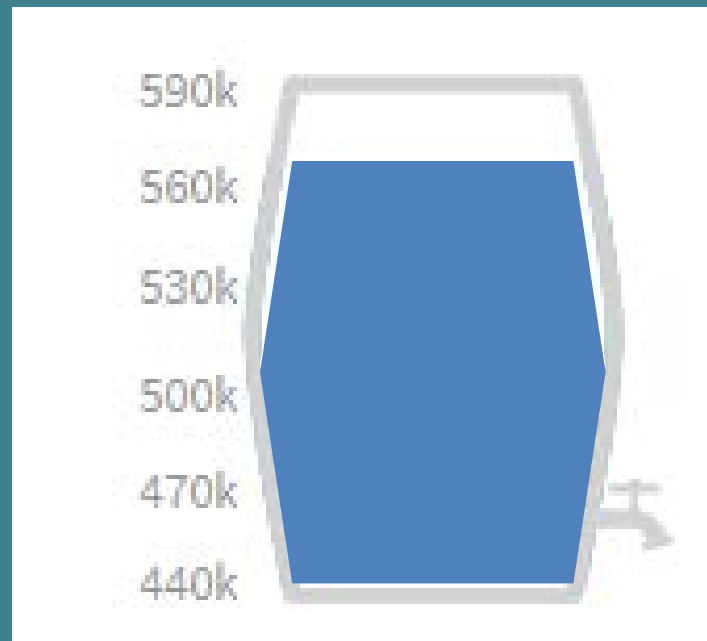


check out the SOAK NH website!

<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!!!







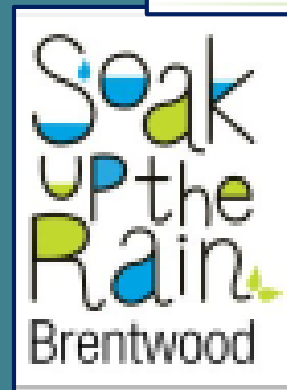
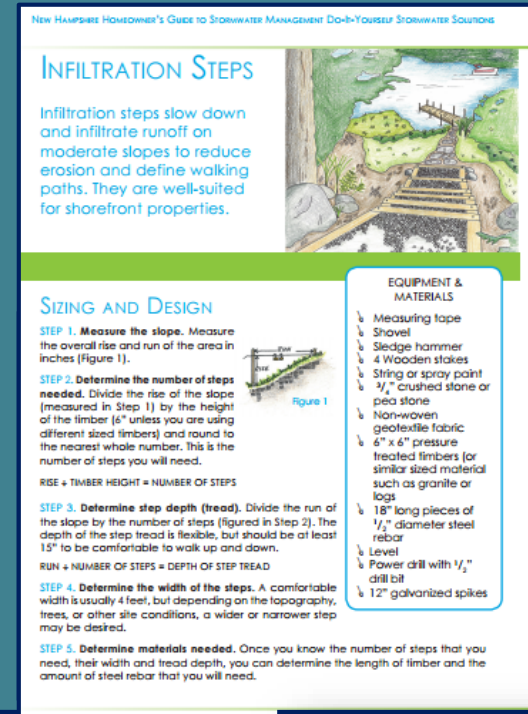
# Program Goal

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?

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