Downpours and Drought: Managing for Extremes

Soak Up the Rain
New Hampshire

Your land. Your water. Your solution.

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NH Department of Environmental Services
Two Issues

POLLUTANT TRANSPORT

EXCESS RUNOFF
Why does it matter?

Stormwater runoff causes or contributes to over 90% of NH’s water pollution problems.
Managing Sources

Residential

Commercial

Roads & Highways
Managing Sources

Single Lot
Residential
Opportunities
Residential Stormwater
Holes & Stone

- Rain Garden
- Dripline Trench
- Driveway Trench
- Pavers
- Infiltration Steps
- Dry Well
Collect & Direct

Rain Barrel

Swale

Vegetated Buffer

Water Bars
Rain Garden
Driveway Infiltration Trench
Rain Barrel

Photo: buildipedia.com
Results
<table>
<thead>
<tr>
<th>SW Treatment - PLANNED Runoff</th>
<th>Impevious</th>
<th>Roof</th>
</tr>
</thead>
<tbody>
<tr>
<td>Runoff Reduction (Cubic feet/year)</td>
<td>2215</td>
<td>0</td>
</tr>
<tr>
<td>TSS Reduction (lbs/year)</td>
<td>2.96</td>
<td>0.00</td>
</tr>
<tr>
<td>TP Reduction (lbs/year)</td>
<td>0.01</td>
<td>0.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Summary of SW Treatments Applied</th>
<th>Existing</th>
<th>Planned</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIY: Rain Garden</td>
<td>x</td>
<td></td>
</tr>
</tbody>
</table>
Program Goal

Residential stormwater management becomes as commonplace as recycling.
Outreach & Education
Only

Partnerships

Full Scale Assessment & BMP Installation Program

Everything in Between
We’re SOAKing up Pollution

We’re soaking up runoff everywhere. See how much water pollution SOAK projects have prevented.

Goal: Soak up 550,000 gallons of stormwater by the end of 2016! (or about 14 in-ground swimming pools)

SOAKed to Date:
Runoff: 517,599 gals
Sediment: 12,105 lbs
Phosphorus: 5.01 lbs
Nitrogen: 11.51 lbs

You can help us reach our goal. See How.
Web Presence

Soak NH
@SoakNH

Home
About
Photos
Reviews
Likes
Videos
Posts

Create a Page
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).
Homeowner Role

- Provide the sites
- Cost share
- Complete maintenance
- Ambassadors
SOAK Projects
SOAK Projects
SOAK Projects
Soak Strategies

- Filter pollutants
- Infiltrate stormwater
- Store drinking water
- Educate Residents
- Engage Local Organizations
- Invoke personal responsibility
- Slow runoff

Managing For Extremes
Questions or Comments?

Have questions?
Want to get involved?

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