

Culvert Survey, May 2015 Volunteer Field Work in Sawmill Brook Watershed, Manchester-by-the-Sea

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VOLUNTEER TEAM HELPS WITH CULVERT SURVEY

A group of volunteers led by the Manchester-by-the-Sea Stream Team and Salem Sound Coast Watch assisted Tighe & Bond engineers and scientists with a field effort to photograph and collect vital statistics on 40 culverts throughout the Sawmill Brook Watershed on May 30^{th,} 2015.

This survey effort was part of a Coastal Zone Management Grant to evaluate the capacity of culverts under future climate change conditions and identify options to reduce flooding by developing flood storage in the watershed.

Top: Jessica Lamothe, Stream Team Coordinator and Mary Reilly, Town Conservation Administrator plan the survey route.

Middle: Tighe & Bond Staff instruct the group on field data collection.

Bottom: Volunteers look on and gear up to take on assigned culverts. See Page 5 for list of all volunteers.





TEAMWORK

MERHS Green Team members, Jake Brugger, Redmond Pulver, Belle Allmendinger and Eric Magers survey culverts along Causeway Brook and enjoy some beautiful vistas along the way.

Barbara Warren, Salem Sound Coast Watch and Eric Thomsin, Stream Team, take on culverts at the top of the watershed where poison ivy, briars and beaver dams created some challenges to obtaining data.



Susan demonstrates technique for culvert photo identification



Examining culvert arch and bottom construction material

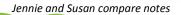


Steve and Jessica measure the headwall



Jessica provides directions on measuring "bank-full width"







Mary and David discuss strategy to measure road crossing width



A HUGE THANK YOU TO ALL THE AWESOME VOLUNTEERS* WHO GAVE UP A SATURDAY TO HELP OUT!!

Jennie Moonan and Amanda Crouch-Smith, Tighe and Bond staff are all smiles thanks to everyone's help, in spite of the creepy bugs, poison ivy and missing culverts.

*Awesome Volunteers:

Mary Reilly Jessica Lamothe Barbara Warren Eric Thomsin Jack Nessen **Belle Allmendinger Redmond Pulver** Jack Brugger Lisa Watt-Bucci **Olga Hayes** Francie Caudill **Eric Magers** Lynn Atkinson Carolyn Kelly Susan Costello David Lumsden Joan Nesbit Donna Dowal Steve Gang



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