

Agenda: Low Impact Development, Volume Reduction

GTM National Estuarine Research Reserve, 505 Guana River Road, Ponte Vedra Beach, FL
32082

December 1, 2016, 9:00 AM to 4:30 PM

“Low Impact Development” refers to innovative stormwater management approaches with a basic principle that land mimics the natural water flow of the watershed. It is important because urban development has altered the natural water flow of the watershed and stormwater does not soak into the ground in urban areas the same way that it did before the land was developed. Stormwater now runs off of rooftops, driveways, lawns, parking lots, and other surfaces into stormwater drains which connect to coastal waters. That runoff stormwater brings along the pollutants, nutrients, and bacteria from those surfaces into our drinking and recreational waterways. Volume reduction techniques reroute the polluted stormwater by mimicking the natural water flow.

Session Objectives:

- Recognize low impact development terms and concepts
- Understand the ecological, economic, and societal benefits of low impact development
- Understand the wide variety of contexts and scales of volume reduction approaches

8:45 a.m. Registration and coffee

9:00 Introductions Welcome and Workshop Overview
Tina Gordon, GTM Research Reserve, Coastal Training Program Coordinator

9:45 Step 1: Understanding the Volume Reduction Philosophy,
Hunter Freeman, PE, LEED AP, WithersRavenel

10:05 Step 2: Fitting into the Proper Regulatory Framework,

10:30 Break

10:50 Step 3: Forming Partnerships & Community Support,

11:20 Step 4: Setting Water Quality Goals & Defining Watersheds,
Kaitlyn Dietz, GTM Research Reserve, Coastal Training Program Specialist

11:50 Lunch

1:00 Step 5: Gathering Data to Characterize Your Watershed,
Kaitlyn Dietz, GTM Research Reserve, Coastal Training Program Specialist

1:30 Step 6: Calculating Volume Reduction Goals,
Hunter Freeman, PE, LEED AP, WithersRavenel

2:15 Break

2:35 Step 7: Selecting Effective Runoff Reduction Management,
Hunter Freeman, PE, LEED AP, WithersRavenel

3:35 Step 8: Structuring the Watershed Plan's Priorities and Schedule,
Tina Gordon, GTM Research Reserve, Coastal Training Program Coordinator

4:05 Wrap-up, Questions, Closing Remarks, Evaluations