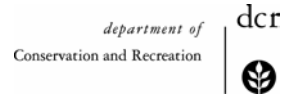


Low-Impact Development (LID) Subdivision Demonstration Project:

A sub-project of the EPA-funded Ipswich River Restoration Targeted Watershed Grant



The Department of Conservation and Recreation (DCR) has been awarded a grant to pilot and quantify the benefits of low-impact development (LID) and water conservation techniques in the Ipswich River watershed. The purpose of the pilot projects is to enhance groundwater recharge and reduce water demand as a means to help restore flows to the Ipswich River. The program consists of nine pilot projects, including the LID Subdivision Demonstration project.

LID Subdivision Demonstration

The LID Subdivision demonstration will be a residential or mixed-use subdivision that uses LID principles as the basis of design. DCR will provide funding of up to \$75,000 to a developer or consultant with an existing or proposed subdivision project to partner with DCR to use the site to:

- *Demonstrate* the feasibility and benefit of combining a wide range of LID techniques into a single development
- *Obtain measurements* to quantify the recharge associated with the demonstration site

What Projects Are Eligible?

Candidate projects must already be conceptualized and meet these criteria (see the complete Request for Response (RFR) for all evaluation criteria):

- Site is located within the Ipswich River Watershed (see map, next page).
- Site is *EITHER* already designed based on LID principles *OR* is early enough in the planning and design process that LID principles can become the basis for design.
- Project is able to be permitted, planned, designed, and substantially constructed by Sept. 30, 2006.
- Project has funding/financing in place to support its completion, independent from the assistance to be provided through this contract.
- Geologically, the site is conducive to groundwater recharge and total runoff measurements.



The Ipswich River has been stressed by extreme low-flow conditions. 1997 photo by D. Armstrong.

What is LID?

LID principles focus on restoring or retaining the pre-development hydrologic conditions of a site by:

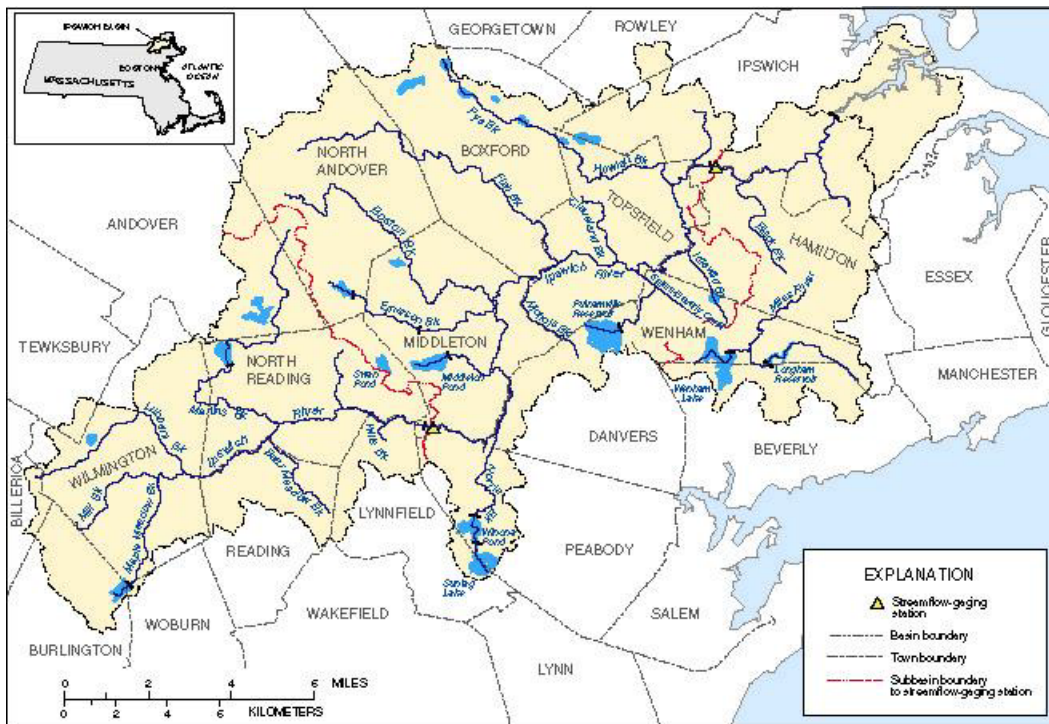
- Decentralizing stormwater recharge
- Maximizing the use of natural vegetation, natural site grading, and open space for non-structural stormwater infiltration
- Minimizing underground stormwater conveyance structures
- Minimizing impervious areas

Constructed LID features of the subdivision may include, but are not limited to: rain gardens, open swales, bioretention areas, vegetated buffers, and vegetated roofs, all of which can reduce stormwater runoff and improve site aesthetics. For more information, see:

www.mass.gov/envir/lid/default.htm .

Benefits to Participants

- Receive funding of up to \$75,000
- Participate in a nationally recognized project
- Demonstrate leadership in innovative approaches to land use and stormwater management
- Potentially improve marketability of project



Ipswich River Basin, Massachusetts

What Should Potential Projects Include?

The site must incorporate LID principles and practices into the layout and design – for example:

- Minimize impervious areas, such as roadways, driveways, parking lots, and building footprints
- Minimize directly connected impervious areas
- Preserve natural vegetation and open space
- Minimize alterations to the site's topography and soil disturbance during construction
- Increase drainage flow paths
- Match appropriate recharge areas with features such as rain gardens, bioretention cells, swales, and permeable surfaces. Pre-existing site grading should be used, where possible, to direct runoff toward recharge areas.

Project Schedule and Deadlines

Submit written questions to DCR	April 5, 2005
Bidders' conference	April 8, 2005
Responses due	April 22, 2005
Substantial project construction	Sept. 30, 2006

How Can Bidders Access the Request for Response (RFR)?

- Go to Comm-Pass: <http://www.comm-pass.com/>
- Click on "Search for Solicitations" along the right-hand side of the page.
- Under "AND Search by Specific Criteria," enter the following in the box marked Document Number and click "search": DSP 092
- Click on the line at the top of the page, "There are 1 Solicitation(s) found that match your search criteria"
- Click on the eyeglasses icon to view the solicitation.
- Click the "specifications" tab along the top of the summary to view the entire solicitation.

For more information, contact:

Sara Cohen, Water Resources Specialist
 Office of Water Resources
 Department of Conservation and Recreation
 251 Causeway Street, Suite 800
 Boston, MA 02114
 Telephone: (617) 626-1374
Sara.Cohen@state.ma.us