100-Year Floodplains in the Lamprey River Watershed:
Flood Insurance Rate Maps (FIRMs), Updated (2005) Conditions, and 2100 LID Buildout
Newmarket Panel

Map Description:
This map illustrates the 100-year floodplain for the town of Newmarket for three conditions: (1) the FEMA Flood Insurance Rate Maps (FIRMs) derived from data prior to the year 2000, (2) the current floodplain based on 2005 land use conditions and updated 100-year floodplain of 8.5" shown in pink; and (3) the projected 2100 floodplain based on a Low Impact Development (LID) buildout scenario extrapolated from 1995-2005 rates and modeled future 100-year 24-hour rainfall of 11.4" shown in green. The map and table below show the increase in the extent of the floodplain based on current and future conditions compared to FIRM conditions.

Map Key:
- Updated (2005) 100-Year Floodplains
- 2100 100-Year Floodplains: LID Buildout
- Effective Zones A, 100-Year Floodplains
- Special Flood Hazard Areas with Base Flood Elevation (BFE)
- Subwatershed Boundaries

Technical Notes:
The updated and projected floodplains in the Lamprey River Watershed of New Hampshire are based on the updated floodplains published by the Federal Emergency Management Agency (FEMA) in the Flood Insurance Rate Maps (FIRMs) in 2005. The projected 2100 floodplains are derived from a Low Impact Development (LID) buildout scenario extrapolated from 1995-2005 rates and modeled future 100-year 24-hour rainfall of 11.4" shown in green. The map and table below show the increase in the extent of the floodplain based on current and future conditions compared to FIRM conditions.

Acreage Summary:
This map illustrates the increase in the extent of the 100-year floodplain due to changes in climate and land use to 2100. The map includes the 100-year floodplains based on the updated conditions from 2005, the building out of floodplains based on Low Impact Development (LID) buildout scenario extrapolated from 1995-2005 rates, and the projected 2100 conditions.

Map Sources:
- Updated 100-Year Floodplains: FEMA Flood Insurance Rate Maps (FIRMs), Updated (2005) Conditions
- 2100 100-Year Floodplains: Low Impact Development (LID) Buildout Scenario
- Effective Zones A, 100-Year Floodplains
- Special Flood Hazard Areas with Base Flood Elevation (BFE)

For further information about this project, please visit: http://100yearfloods.org