

Sandown Data

	1990	2000	2005
Population	4060	5143	5711
Impervious Surface (acres).....	337	544	701
Impervious Surface (% of land)	3.8	6.1	7.9
Acres of Impervious Surface per Person.....	0.083	0.106	0.123
Key Conservation Areas*: Upper Exeter River			

* from the *Land Conservation Plan for NH's Coastal Watersheds*, TNC, 2006

Recommended Community Actions

(Your community may have already completed some of these actions)

- **Learn About and Protect Critical Habitats**
- **Designate Prime Wetlands**
- **Update Buffer Regulations**
- **Adopt Regulations that Reduce Sprawl**
- **Promote Effective Stormwater Management**

LEARN ABOUT AND PROTECT CRITICAL HABITATS

Municipalities should conduct a natural resources inventory to identify critical habitats and then prioritize areas for land protection. Appropriate land conservation strategies can follow, such as fee simple purchases, conservation easements, and regulatory protections. Many communities commit town funding and/or earmark land use change taxes for land conservation. Master plans and ordinances should be updated to better protect critical town resources.

Resources To Help You:

Land Conservation Plan for New Hampshire's Coastal Watersheds
Identifies key areas to be protected and develops regional strategies for maintaining diverse habitats, forest ecosystems, and water resources

All planning boards & conservation commissions have a copy of the plan

Online: www.nhep.unh.edu/resources/actions.htm

Contact Mark Zankel (mzankel@tnc.org, 603.224.5853)

NH Wildlife Action Plan

Contains conservation strategies and maps identifying highest quality habitats

Online: www.wildlife.state.nh.us/Wildlife/wildlife_plan.htm

Contact Emily Brunkhurst (emily.brunkhurst@wildlife.state.nh.us, 603.271.2461)

Freshwater Wetlands Mitigation Inventory for 19 Coastal Communities
Identifies wetlands restoration, creation, and protection projects

Online: www.nhep.unh.edu/resources/actions.htm

Contact Mark West (mark@westenv.net, 603.659.0416)

Natural Resources Outreach Coalition (NROC)

Helps communities identify important resources and develop protection plans

Online: <http://extension.unh.edu/CommDev/NROC/CANROC.cfm>

Contact Amanda Stone (amanda.stone@unh.edu, 603.364.5324)

NHEP Community Technical Assistance Program

Provides professional consultants to address community conservation issues

Online: www.nhep.unh.edu/resources/actions.htm

Contact Jodi Castallo (jodi.castallo@unh.edu, 603.862.2641)

DESIGNATE PRIME WETLANDS

Prime Wetlands are better protected from development. To designate them, a community hires a wetlands scientist to map and evaluate its wetlands. Those that meet the Prime Wetlands criteria are discussed at a public hearing and voted on by the community. Once adopted by the community, NH Department of Environmental Services accepts and maintains the documents. Depending on the extent of the wetlands, this process takes about a year and costs about \$20,000.

Resources To Help You:

NHEP Community Technical Assistance Program

Online: www.nhep.unh.edu/resources/actions.htm

Contact Jodi Castallo (jodi.castallo@unh.edu, 603.862.2641)

NHDES Wetlands Bureau: Prime Wetlands Designation Education

Online: www.des.state.nh.us/wetlands/Guidebook/primewet.htm

Contact Sandy Crystall (scrystall@des.state.nh.us, 603.271.2147)

Communities that completed the prime wetlands designation process

The NHEP can provide contact information for individuals from these communities

Contact Dave Kellam (dave.kellam@unh.edu, 603.862.3403)

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UPDATE BUFFER REGULATIONS

Buffers benefit water quality and wildlife by providing habitat, filtering pollutants from runoff, promoting groundwater infiltration, and stabilizing stream banks to control erosion. Many communities do not have adequate buffer regulations (set-back ordinances **do not** protect buffers). Buffers must be undisturbed areas with diverse natural vegetation to be fully functional.

Resources To Help You:

Stream Buffer Characterization Data and Maps

Town specific maps that assess 150 and 300 foot buffer areas

Online: www.nhep.unh.edu/resources/actions.htm

Contact Jodi Castallo (jodi.castallo@unh.edu, 603.862.2641)

Buffer Data Mapper

Demonstrates the land area impact of various buffer widths

Online: <http://mapper.granit.unh.edu/viewer.htm>

Contact Jodi Castallo (jodi.castallo@unh.edu, 603.862.2641)

Buffers for Wetlands & Surface Waters: Guide for NH Municipalities

Includes definitions, site specific considerations, and recommended buffer widths

Online: <http://extension.unh.edu/CommDev/Buffers.pdf>

NHEP Buffer Outreach Program

Provides buffer workshops and general consulting on buffer protection

Online: www.nhep.unh.edu/resources/actions.htm

Contact Jodi Castallo (jodi.castallo@unh.edu, 603.862.2641)

Portsmouth Buffer Project and Demonstration Site

Provides workshops, site recommendations, and landscaping plans

Contact Steve Miller (steve@greatbay.org, 603.778.0015)

NHEP Community Technical Assistance Program

Provides professional consultants to develop buffer ordinances

Online: www.nhep.unh.edu/resources/actions.htm

Contact Jodi Castallo (jodi.castallo@unh.edu, 603.862.2641)

ADOPT REGULATIONS THAT REDUCE SPRAWL

According to the 2006 State of the Estuaries Report, sprawling development is increasing in southeastern New Hampshire. Communities should incorporate conservation subdivisions, transfer of development rights, and other innovative land use regulations to minimize sprawl.

Resources To Help You:

Land Conservation Plan for New Hampshire's Coastal Watershed

Includes model ordinance for a Conservation Overlay District

All planning boards & conservation commissions have a copy of the plan

Online: www.nhep.unh.edu/resources/actions.htm

Contact Mark Zankel (mzankel@tnc.org, 603.224.5853)

Natural Resources Outreach Coalition (NROC)

Helps communities develop approaches that minimize sprawl

Online: <http://extension.unh.edu/CommDev/NROC/CANROC.cfm>

Contact Amanda Stone (amanda.stone@unh.edu, 603.364.5324)

Regional Planning Commissions

Rockingham Planning Commission

Online: <http://www.rpc-nh.org>

Contact Cliff Sinnott (c.sinnott@rpc-nh.org, 603.778.0885)

Southern New Hampshire Planning Commission

Online: <http://www.snhpc.org>

Contact David Preece (dprece@snhpc.org, 603.669.4664)

Strafford Regional Planning Commission

Online: <http://www.strafford.org>

Contact Cynthia Copeland (cjc@strafford.org, 603.742.2523)

PROMOTE EFFECTIVE STORMWATER MANAGEMENT

Communities should develop ordinances that encourage low impact development (LID) stormwater management treatment devices. Communities' development ordinances also should minimize impervious surfaces in new developments and require best management practices during construction to minimize erosion, limit stormwater runoff, and promote infiltration. Municipalities' own practices should include regular street vacuuming, catch basin cleaning, and proper management of snow dumping sites.

Resources To Help You:

NHEP Community Technical Assistance Program

Provides professional consultants to address stormwater management needs

Online: www.nhep.unh.edu/resources/actions.htm

Contact Jodi Castallo (jodi.castallo@unh.edu, 603.862.2641)

University of New Hampshire Stormwater Center

Offers workshops that cover the performance, cost, and maintenance of over a dozen stormwater management devices

Online: <http://www.unh.edu/erg/cstev>

Contact Dr. Rob Roseen (rroseen@cisunix.unh.edu, 603.862.4024)