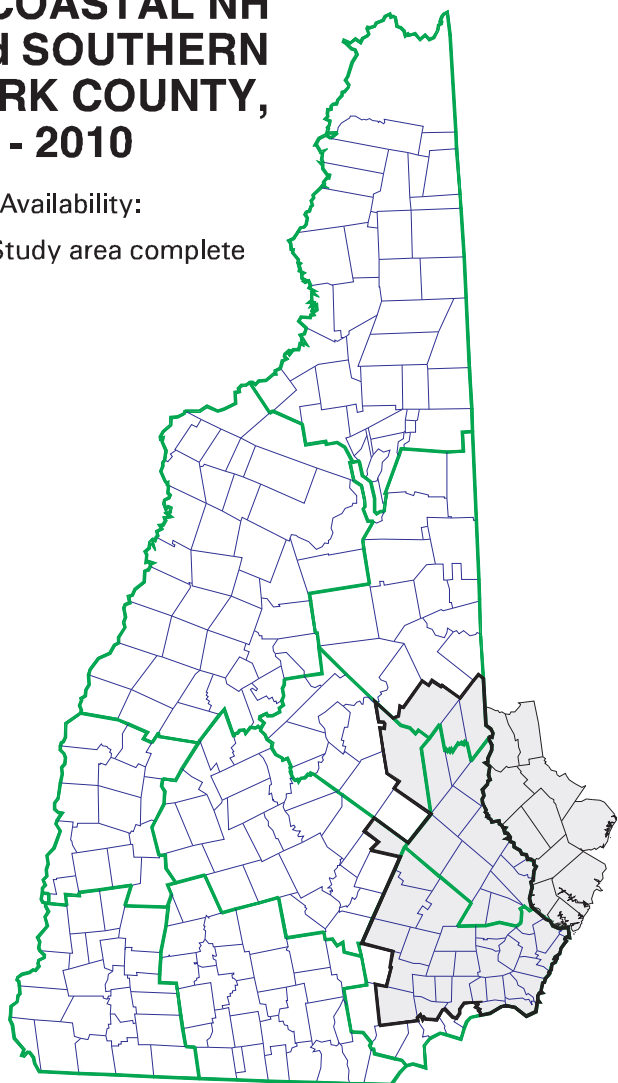


# IMPERVIOUS SURFACES in COASTAL NH and SOUTHERN YORK COUNTY, ME - 2010

Data Availability:

Study area complete



Data Layer: IMPERVIOUS SURFACES IN COASTAL NH and SOUTHERN YORK COUNTY ME-2010

Primary Layer Name: COASTALIMPERV10

Layer Content: IMPERVIOUS SURFACES

Data Structure: ASCII

Layer Type: GRID

Source: LANDSAT 5 THEMATIC MAPPER

Source Scale: N/A

Source Media: DIGITAL

Automated By: CSRC, UNH

Coordinate Reference: NH State Plane Feet

Horizontal Datum: 1983

Tile: STUDY AREA (59-town region)

Status: COMPLETE

Last Revision: October, 2011

Available From: Complex Systems Research Center,  
UNH

## GENERAL DESCRIPTION

Impervious surface acreage estimates for 2010 were developed for 59 towns in coastal NH and southern York County, ME, including all towns within the Piscataqua Region Estuaries Project area (formerly the NH Estuaries Project). Data were developed using a combination of subpixel and traditional image classification techniques applied to Landsat 5 Thematic Mapper (TM) imagery. Additionally, road centerline data from the NH and Maine Departments of Transportation were "burned in" to the data to capture narrow, linear features where pavement exists. The standard error matrix shows an overall accuracy of 95.5% based on 200 samples.

Impervious surface acreage is mapped in percent ranges by individual grid cell. Users may generate area estimates by factoring the cell size (98.425 x 98.425 ft) by the low, midpoint, or high end of the assigned range.

Six related data sets - Impervious Surfaces in Coastal New Hampshire - 1990, 2000, and 2005, and Impervious Surfaces in Southern York County, Maine - 1990, 2000, and 2005, are also available. Derived from similar data and using similar techniques, they provide a historical estimate of impervious surface coverage.

October, 2011