
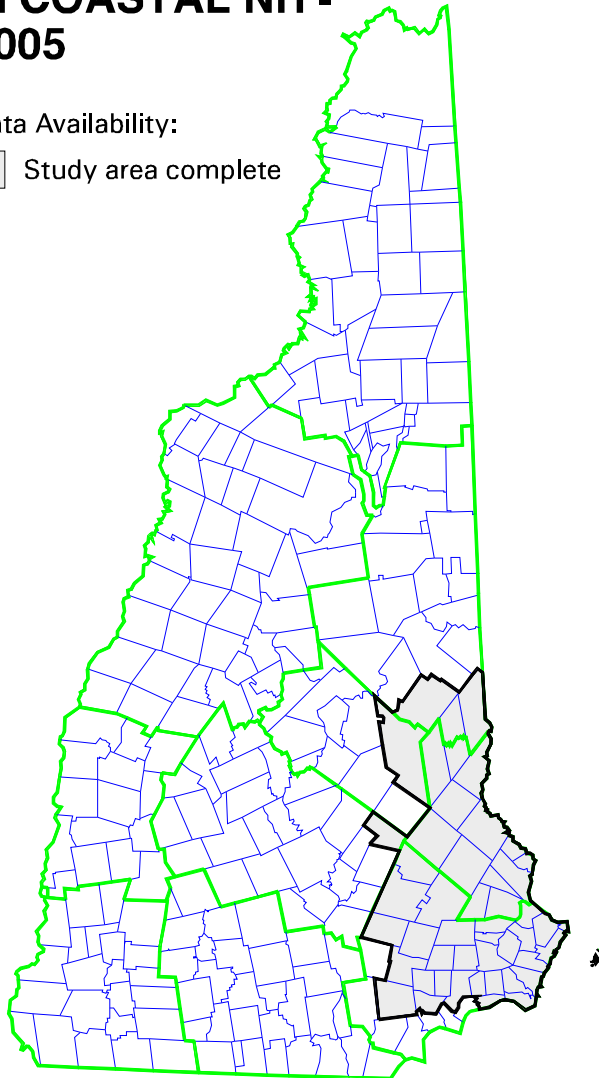


IMPERVIOUS SURFACES in COASTAL NH - 2005

Data Availability:

 Study area complete



Data Layer: IMPERVIOUS SURFACES IN COASTAL NH - 2005

Primary Layer Name: COASTALIMPERV_05
Layer Content: IMPERVIOUS SURFACES
Data Structure: ASCII
Layer Type: GRID

Source: LANDSAT 7 ENHANCED 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 (48-town region)

Status: COMPLETE
Last Revision: April, 2006
Available From: Complex Systems Research Center,
UNH

GENERAL DESCRIPTION

Impervious surface acreage estimates for 2005 were developed for 48 towns in coastal NH, including the 43 towns within the designated Zones A and B of the NH Estuaries Project Area. Data were developed using a combination of subpixel and traditional image classification techniques applied to Landsat 7 Enhanced Thematic Mapper (ETM+) imagery. Additionally, road centerline data from the NH Department 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 93.1% based on 145 samples.

Impervious surface acreage is mapped in percent ranges by individual grid cell. Users may generate area estimates by factoring the cell size (93.5 sq. ft.) by the low, midpoint, or high end of the assigned range.

Companion data sets - Impervious Surfaces in Coastal New Hampshire - 1990 and 2000, are also available. Derived from similar data and using similar techniques, they provide a historical estimate of impervious surface coverage.

April, 2006