Impervious Surface Current Conditions
By Local Basin

Based On:
2002 Land Cover
UCONN Center for Land Use Education & Research

% Impervious for Entire Eightmile River Watershed
2.97%
EIGHTMILE RIVER
WILD & SCENIC RIVER STUDY
Impervious Surface Analysis

ASSUMES:
Current Buildings and New Buildings converted to 1/2, 1, or 2 acres of developed land based on zone.

2002 Land Cover (UCONN-CLEAR)
Local Basins
% Impervious for entire watershed
12.6% as an average of the basins;
11.8% for the regional basin as one entity.

% Impervious @ BO
- 0 - 3
- 3 - 4
- 4 - 5
- 5 - 8
- 8 - 10
- 10 - 15
- 15 - 20
- 20 - 30

Percent of impervious surface calculated using the ISAT extension for ArcView 3.3.
Coefficients revised by NEMO for the 2002 Land Cover.

Used Calculated Coefficients from Bashe BODENS(builout density) field based on existing buildings & new buildings determined in Buildout Analysis (Community VU extension for ArcView 3.3).

Population density assumes 2.5 persons per household.

Buildable land excludes developed land, rivers, wetlands, and protected land. Commercial and industrial land assumed developed. Used the Land Cover Change Scenario in ISAT to convert 2002 Land Cover to Developed for these areas in the calculation.

Ken Geiler: July 16, 2005