

# Developing Indicators for the Bay of Fundy to Long Island Sound

## 7. Coastal Development

Coastal development and the affects of land use change on coastal and marine ecosystems are having long-term effects. Issues of primary concern include increasing impervious surfaces (leading to increased runoff of chemicals and other materials); alterations to hydrology; habitat fragmentation; loss of coastal wetlands, salt marsh, and riparian buffers; sedimentation/siltation; habitat loss (rate and location); and urbanization/human population shifts.

### 26. How important are the following coastal development issues?

|   | Very Important        | Important             | Somewhat Important    | Not Important         |
|---|-----------------------|-----------------------|-----------------------|-----------------------|
| Changes in land cover                             | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Effect of land use change on terrestrial habitats | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Effect of fragmentation on priority species       | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Changes in water quality and hydrology            | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

### 27. Suggested Additional Coastal Development Issues:

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### 28. How useful are the following themes in communicating the status and trends of coastal development?

|   | Very Useful           | Useful                | Somewhat Useful       | Not Useful            |
|---|-----------------------|-----------------------|-----------------------|-----------------------|
| Aerial extent of priority terrestrial habitats              | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Status of wildlife species                                  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Status of threatened or endangered plant and animal species | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Land Conversion   | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| • Acreage of large undeveloped blocks remaining             | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| • Acreage of farmland conversion to urban uses              | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| • Acreage of undeveloped land                               | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

|  |                       |                       |                       |                       |
|--|-----------------------|-----------------------|-----------------------|-----------------------|
| Vehicle miles traveled                                     | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Acreage of land protected/conserved                        | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Trends in impervious surfaces coverage                     | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Demographics (by watershed): changes in population density | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Housing starts   | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

**29. Suggested Additional Coastal Development Themes:**

- a.
- b.
- c.