

## **Appendix E. Land Cover Classes used for Index of Ecological Integrity.**

*The following appendix is from the report “Conservation Assessment and Prioritization System (CAPS) Preliminary Statewide Massachusetts Assessment”, June 2, 2009. Kevin McGarigal, Bradley W. Compton, Scott D. Jackson, and Kasey Rolih. Landscape Ecology Program, Department of Natural Resources Conservation, University of Massachusetts, Amherst.*

Land cover classes are listed below, with numeric codes for each class.

### **Developed**

- 1 Cropland
- 5 Mining
- 7 Participatory recreation
- 8 Spectator recreation
- 9 Water based recreation
- 10 Multi-family residential
- 11 High-density residential
- 12 Medium-density residential
- 13 Low-density residential
- 15 Commercial
- 16 Industrial
- 17 Urban open
- 18 Transportation
- 19 Waste disposal
- 26 Golf
- 29 Marina
- 31 Urban public
- 34 Cemetery
- 35 Orchard
- 36 Nursery
- 39 Junkyard
- 61 Large dam
- 62 Medium dam
- 63 Small dam
- 64 Tiny dam
- 71 Expressway
- 72 Primary highway
- 73 Secondary highway
- 74 Light duty road
- 75 Unpaved road
- 81 Railroad
- 82 Abandoned railbed
- 83 Rail trail
- 91 Bridge
- 92 Culvert

### **Terrestrial**

- 102 Pasture
- 103 Forest
- 106 Open land
- 124 Powerlines
- 151 Sea cliff
- 152 Barrier beach system
- 156 Coastal dune
- 167 Barrier beach coastal beach
- 169 Barrier beach coastal dune
- 191 Deciduous forested wetland
- 192 Mixed forested wetland
- 193 Coniferous forested wetland

### **Palustrine**

- 331 Pond
- 354 Bog
- 355 Cranberry bog
- 357 Deep marsh
- 358 Shallow marsh
- 362 Shrub swamp
- 396 Vernal pool

### **Riverine**

- 411 First order flatwater
- 412 First order pool-riffle
- 413 First order plane-bed
- 414 First order step-pool
- 415 First order cascade
- 421 Second order flatwater
- 422 Second order pool-riffle
- 423 Second order plane-bed

424 Second order step-pool  
425 Second order cascade  
431 Third order flatwater  
432 Third order pool-riffle  
433 Third order plane-bed  
434 Third order step-pool  
435 Third order cascade  
441 Fourth order flatwater  
442 Fourth order pool-riffle  
443 Fourth order plane-bed  
444 Fourth order step-pool  
445 Fourth order cascade  
451 Fifth order flatwater  
452 Fifth order pool-riffle  
453 Fifth order plane-bed  
454 Fifth order step-pool  
455 Fifth order cascade  
461 Sixth order flatwater  
462 Sixth order pool-riffle  
463 Sixth order plane-bed  
464 Sixth order step-pool  
465 Sixth order cascade

#### **Lacustrine**

532 Lake  
581 Reservoir

#### **Estuarine**

621 Salt pond  
622 Bay  
652 Barrier beach pond  
661 Salt marsh  
668 Barrier beach bog  
670 Barrier beach deep marsh  
671 Barrier beach marsh  
673 Barrier beach shrub swamp  
674 Barrier beach deciduous forested  
wetland  
675 Barrier beach coniferous forested  
wetland  
676 Barrier beach mixed forested wetland  
677 Barrier beach salt marsh  
681 First order estuary  
682 Second order estuary  
683 Third order estuary  
684 Fourth order estuary  
685 Fifth order estuary  
686 Sixth order estuary

#### **Marine**

753 Coastal beach  
760 Rocky intertidal  
763 Tidal flat  
790 Ocean