

# Lake St. Clair Coastal Habitat, Land Cover and Natural Communities Classification

[From NOAA's Coastal Change Analysis Program (C-CAP) Coastal Land Cover Classification System Klemas et al., 1993; [http://www.csc.noaa.gov/crs/lca/tech\\_cls.html](http://www.csc.noaa.gov/crs/lca/tech_cls.html)]

Yellow highlighted items (levels one and two) are levels at which information will be presented on web site and in draft habitat plan. More detailed information (levels three and four) will be made available and presented where abstracts exist or are developed by MNFI or Walpole Island Heritage Center.

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## 1. Upland

### a. Developed Land

- i. High Intensity
- ii. Low Intensity

### b. Cultivated Land

- i. Orchards/Groves/Nurseries
- ii. Vines/Bushes
- iii. Cropland

### c. Grassland (eliminated "managed" and "unmanaged" subcategories and replaced with known community type)

- i. *mesic lakeplain prairie*

### d. Woody Land\*

- i. Forest
  - (1) *dry mesic southern forest*
  - (2) *mesic southern forest*
  - (3) *lakeplain oak opening/oak savanna*
- ii. Scrub/Shrub

### e. Bare Land

## 2. Wetland (Excludes Bottoms, Reefs, Nonpersistent Emergent Wetlands, and Aquatic Beds, all of which are covered under Section 3, Water and Submerged Land.)

### a. Unconsolidated Shore (beach, flat, bar)

- i. cobble/gravel
- ii. sand
- iii. mud/organic

### b. Emergent Wetland

- i. *wet mesic lakeplain prairie*

- ii. *wet lakeplain prairie*
- iii. *emergent marsh*
- iv. *great lakes marsh*

c. **Woody Wetland\***

- i. Forest
  - (1) *southern swamp*
  - (2) *southern floodplain forest*
- ii. Shrub/scrub
  - (1) *Southern shrub carr*

3. **Water and Submerged Land** (Includes those wetlands with surface water but lacking trees, shrubs, and persistent emergents)

a. **Water** (bottoms, aquatic beds or nonpersistent emergent wetlands)

b. **Aquatic Bed**

- i. Rooted Vascular/Algal/Aquatic Moss
- ii. Floating Vascular

\*Eliminated level delineating deciduous, evergreen and mixed forest types.

Note: Items in italics are habitat/community types identified by the Michigan Natural Features Inventory to exist within the Lake St. Clair study area. Blue highlighted items are those for which MNFI has abstracts.