Coastal Change Analysis Program (C-CAP)

Office for Coastal Management



10-Meter BETA Land Cover Classification Scheme

The following information provides a description of land cover classes used with NOAA's 10-meter BETA Land Cover products. It should be noted that these data were derived through the automated classification of 1-meter aerial imagery (that was resampled to 10-meter) and modeling based on the data's intersection with the National Wetlands Inventory (NWI) wetland products.

These classes are related to, but not consistent with those usedin existing, standardized Coastal Change Analysis Program (C- CAP) Regional and High-Resolution Land Cover (see right).

Unclassified

Background (0) – areas within the image file limits but containing no data values.

Unclassified (1) – areas in which land cover cannot be determined; these include clouds and deep shadow.

Developed - High Intensity Developed - Medium Intensity Developed - Low Intensity 📘 Developed - Open Space Cultivated Pasture / Hay Grassland Deciduous Forest Evergreen Forest Mixed Forest Scrub / Shrub Palustrine Forested Wetland Palustrine Scrub / Shrub Wetland Palustrine Emergent Wetland ■ Estuarine Forested Wetland Estuarine Scrub / Shrub Wetland Estuarine Emergent Wetland Unconsolidated Shore Bare Land ■Water Palustrine Aquatic Bed Estuarine Aquatic Bed Tundra 🔲 Snow / Ice

Uplands

	Developed Impervious (2) – Anthropogenic features such as buildings, and parking lots and roads developed from asphalt, concrete, or other constructed surfaces, that do not allow infiltration from precipitation.
	Upland Herbaceous (8) – contains areas dominated by herbaceous vegetation. Areas may include natural grasslands; lawns, golf courses, and other grass associated with developed areas and constructed surfaces; pasture and hay fields; and cultivated crops.
	Upland Forest (11) – contains areas dominated by trees generally greater than 5 meters tall, and greater than 20 percent of total vegetation cover. Areas in this class may include both deciduous and evergreen species. <i>Both coniferous and broad-leaved evergreens are included in this category.</i>
	Scrub/Shrub (12) – contains areas dominated by shrubs less than 5 meters tall with shrub canopy typically greater than 20 percent of total vegetation. This class includes tree shrubs, young trees in an early successional stage, or trees stunted from environmental conditions.
	Barren Land (20) – contains bedrock, desert pavement, scarps, talus, slides, volcanic material,

glacial debris, sand dunes, strip mines, gravel pits, bare cultivated fields, and accumulations of

earth material. Generally, vegetation accounts for less than 10 percent of total cover.

Wetlands

