

## 2013/2014 Mapped 1-meter Resolution Land Cover Classes

This document describes the 1m classification scheme applied to the 1m land cover data mapped for the Chesapeake Bay watershed and intersecting counties using 2013 (DE, NY, PA, and MD) and 2014 (WV and VA) aerial imagery. The 1m land cover dataset was developed as part of a cooperative agreement between the Chesapeake Conservancy and the National Park Service funded through an interagency agreement with the Environmental Protection Agency.

### High-Resolution Land Cover Classification

0/14/15 No Data: Background Values

1 Water: All areas of open water. This includes ponds, rivers, lakes and boats not attached to docks. MMU = 25 square meters

2 Emergent Wetlands: Low vegetation areas located along marine or estuarine regions that are visually confirmed to have the look of saturated ground surrounding the vegetation and that are located along major waterways (i.e. rivers, ocean). MMU = 225 square meters

3 Tree Canopy: Deciduous and evergreen woody vegetation of either natural succession or human planting that is over approximately 3-5 meters in height. Stand-alone individuals, discrete clumps, and interlocking individuals are included. MMU = 9 square meters

4 Shrubland: Heterogeneous area of both/either deciduous and/or evergreen woody vegetation. Characterized by variation in height of vegetation through patchy coverage of shrubs and young trees interspersed with grasses and other lower vegetation. Discrete clumps and small patches of interlocking individuals are included, as are true shrubs, young trees, and trees or shrubs that are small or stunted because of environmental conditions, when intermingled in a heterogeneous landscape with low vegetation. MMU = 225 square meters

5 Low Vegetation: Plant material less than approximately 2 meters in height. Includes lawns, tilled fields, nursery plantings with or without tarp cover and natural ground cover. MMU = 9 square meters

6 Barren: Areas void of vegetation consisting of natural earthen material regardless of how it has been cleared. This includes beaches, mud flats, and bare ground in construction sites. MMU = 25 square meters

7 Structures: Human-constructed objects made of impervious materials that are greater than approximately 2 meters in height. Houses, malls, and electrical towers are examples of structures. MMU = 9 square meters

8 Impervious Surfaces: Human-constructed surfaces through which water cannot penetrate, and that are below approximately 2 meters in height. MMU = 9 square meters

9 Impervious Roads: Impervious surfaces that are used and maintained for transportation. MMU = 9 square meters

10 Tree Canopy over Structures: Forest or Tree Cover that overlaps with impervious surfaces rendering the structures partially or completely not visible to plain sight. MMU = 9 square meters

11 Tree Canopy over Impervious Surfaces: Forest or Tree Cover that overlaps with impervious surfaces rendering the impervious surface partially or completely not visible to plain sight. MMU = 9 square meters

12 Tree Canopy over Impervious Roads: Forest or Tree Cover that overlaps with impervious surfaces rendering the roads partially or completely not visible to plain sight. MMU = 9 square meters

13 Aberdeen Proving Ground

Minimum Mapping Unit (MMU) in this instance is the minimum size, dimensions or threshold for features to be mapped or classified within a specific class.