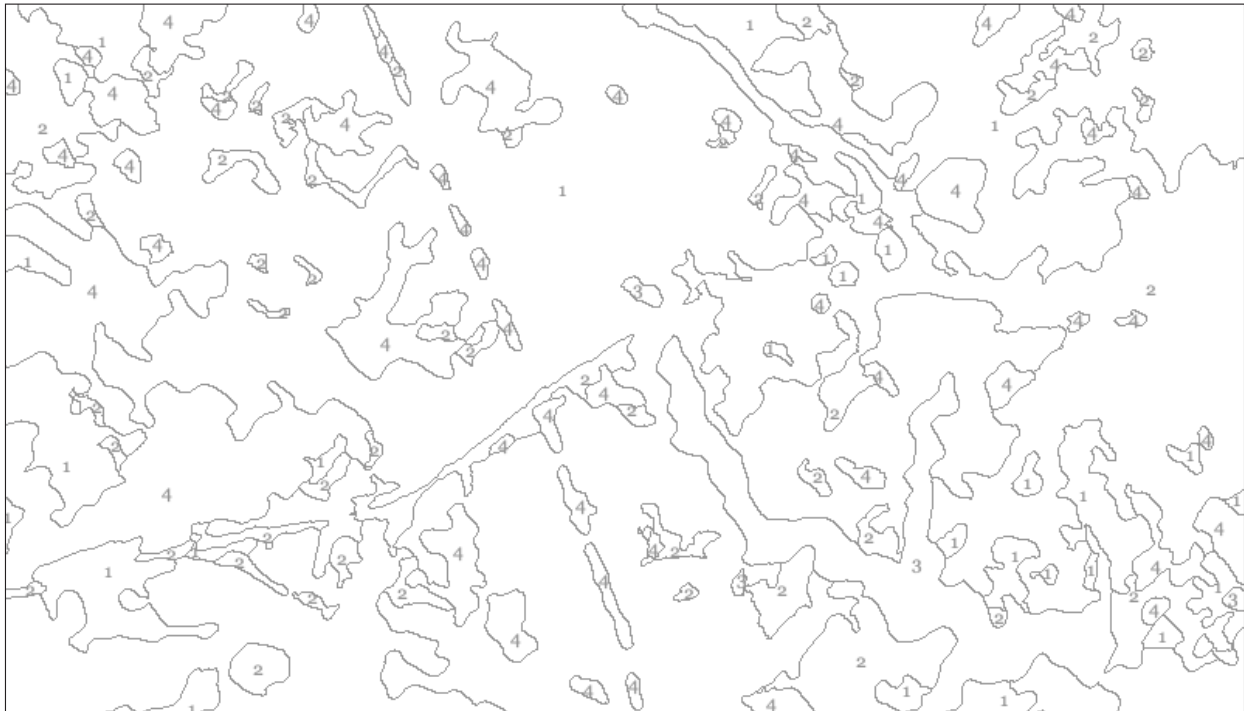# Image Classification

Scientists use something called **image classification** to figure out exactly how much forest has been changed to city, how much water has been lost in lakes, and even how much bare soil has been converted into farmland.

Using the color palette on the right, **color in** the Landsat image classification below of the Maryland beltway with the color that corresponds to the number.

1	2	3	4
Forest	Urban	Water	Bare land

Landsat 5 - September 7th, 1988

Landsat 8 - August 5th, 2017