

























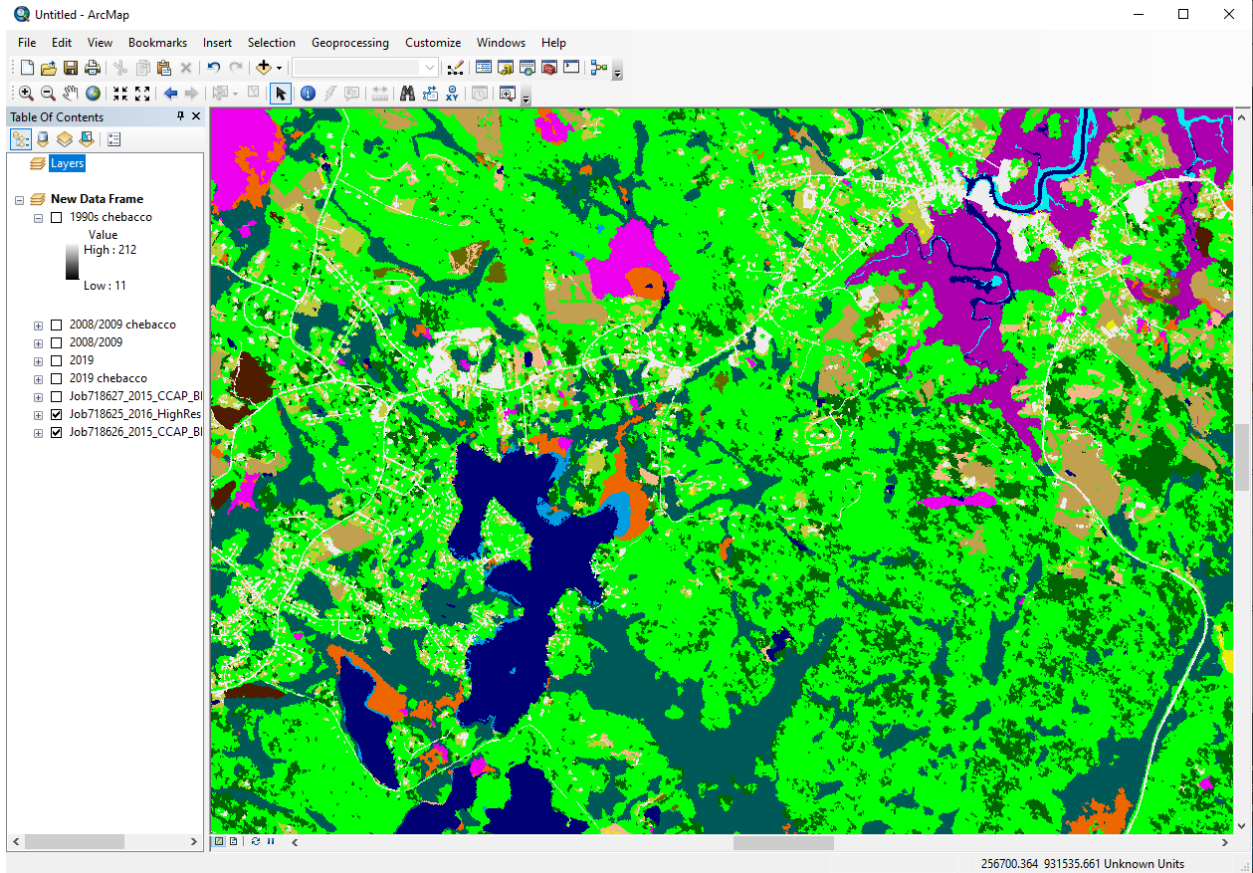
Chebacco Lake GIS
Sabrina Klavinger

Land Use

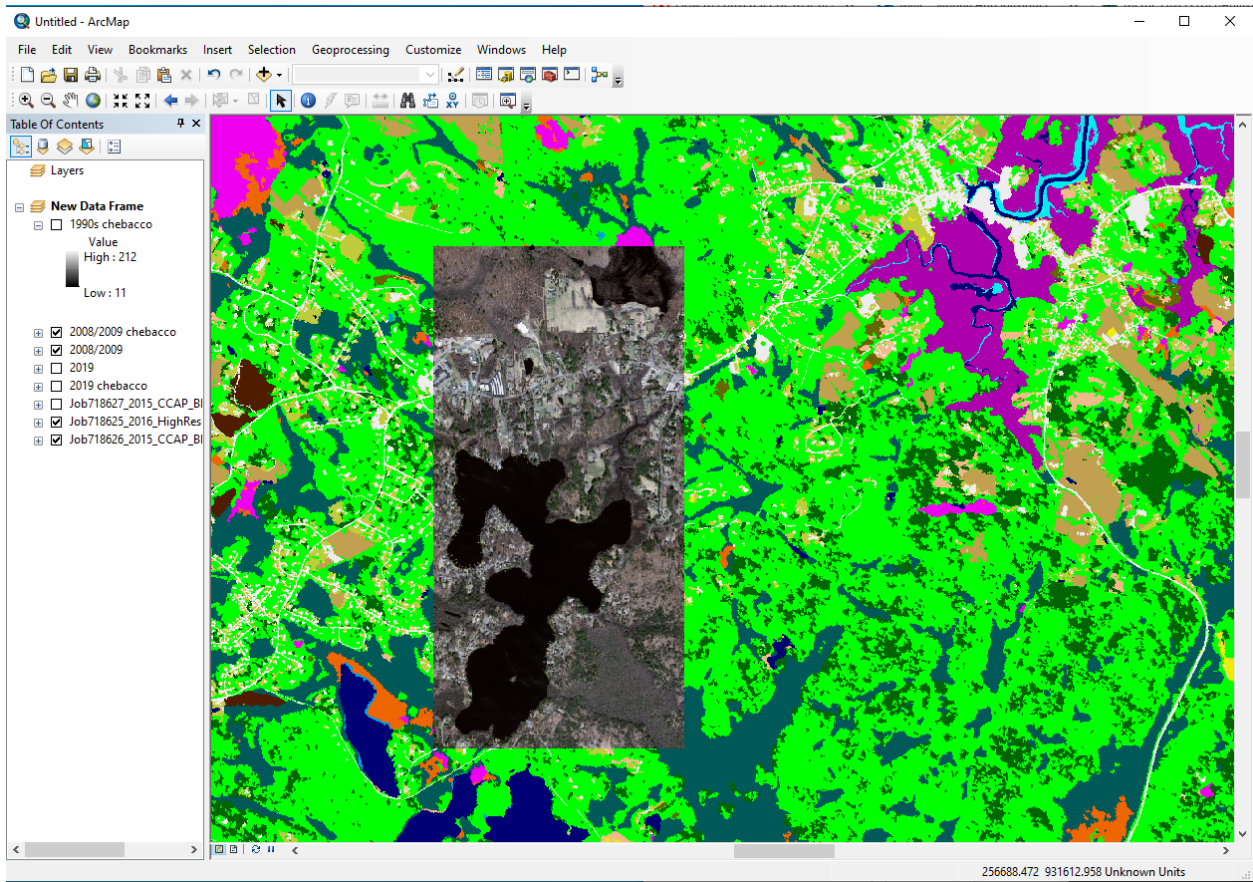
Land Use Descriptions

	Symbol	Label
0 Background,		0
1 Unclassified (Cloud, Shadow, etc),		1
2 Impervious,		2
3		3
4		4
5 Developed Open Space,		5
6 Cultivated Land,		6
7 Pasture/Hay,		7
8 Grassland,		8
9 Deciduous Forest,		9
10 Evergreen Forest,		10
11 Mixed Forest,		11
12 Scrub/Shrub,		12
13 Palustrine Forested Wetland,		13
14 Palustrine Scrub/Shrub Wetland,		14
15 Palustrine Emergent Wetland,		15
16 Estuarine Forested Wetland,		16
17 Estuarine Scrub/Shrub Wetland,		17
18 Estuarine Emergent Wetland,		18
19 Unconsolidated Shore,		19
20 Bare Land,		20
21 Open Water,		21
22 Palustrine Aquatic Bed,		22
23 Estuarine Aquatic Bed,		23
24 Tundra,		24
25 Snow/Ice,		25

Land Use Map of Chebacco and Essex Bay



Land Use with 2008 Satellite Image Overlay



Aerial Satellite Imagery Over Time



Chebacco 2019

Over time I noticed changes to the developments surrounding Chebacco Lake. More docs were built over time, surrounding greenery decreased, and more developments were added.



Chebacco 2008

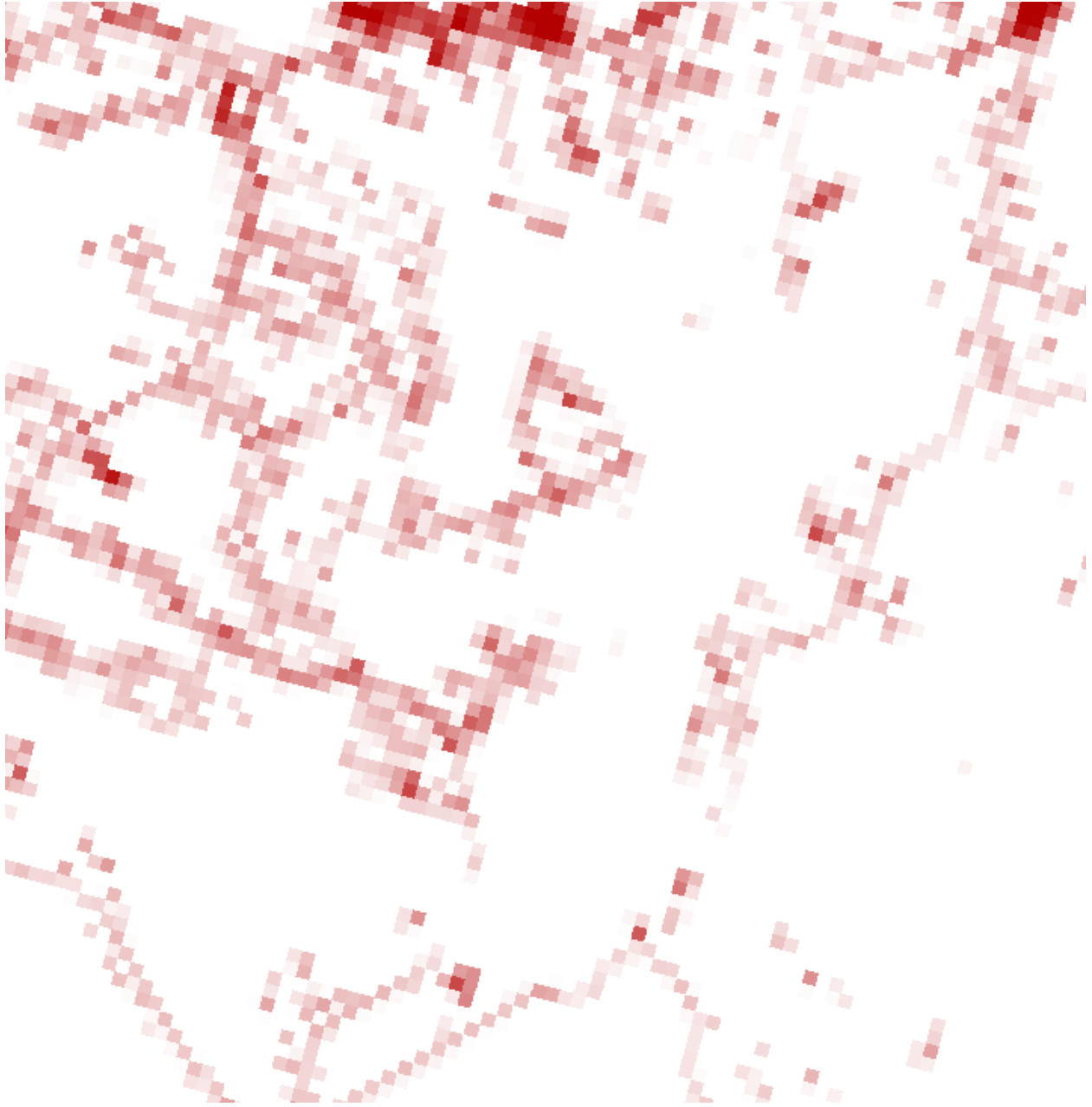
Chebacco 1990



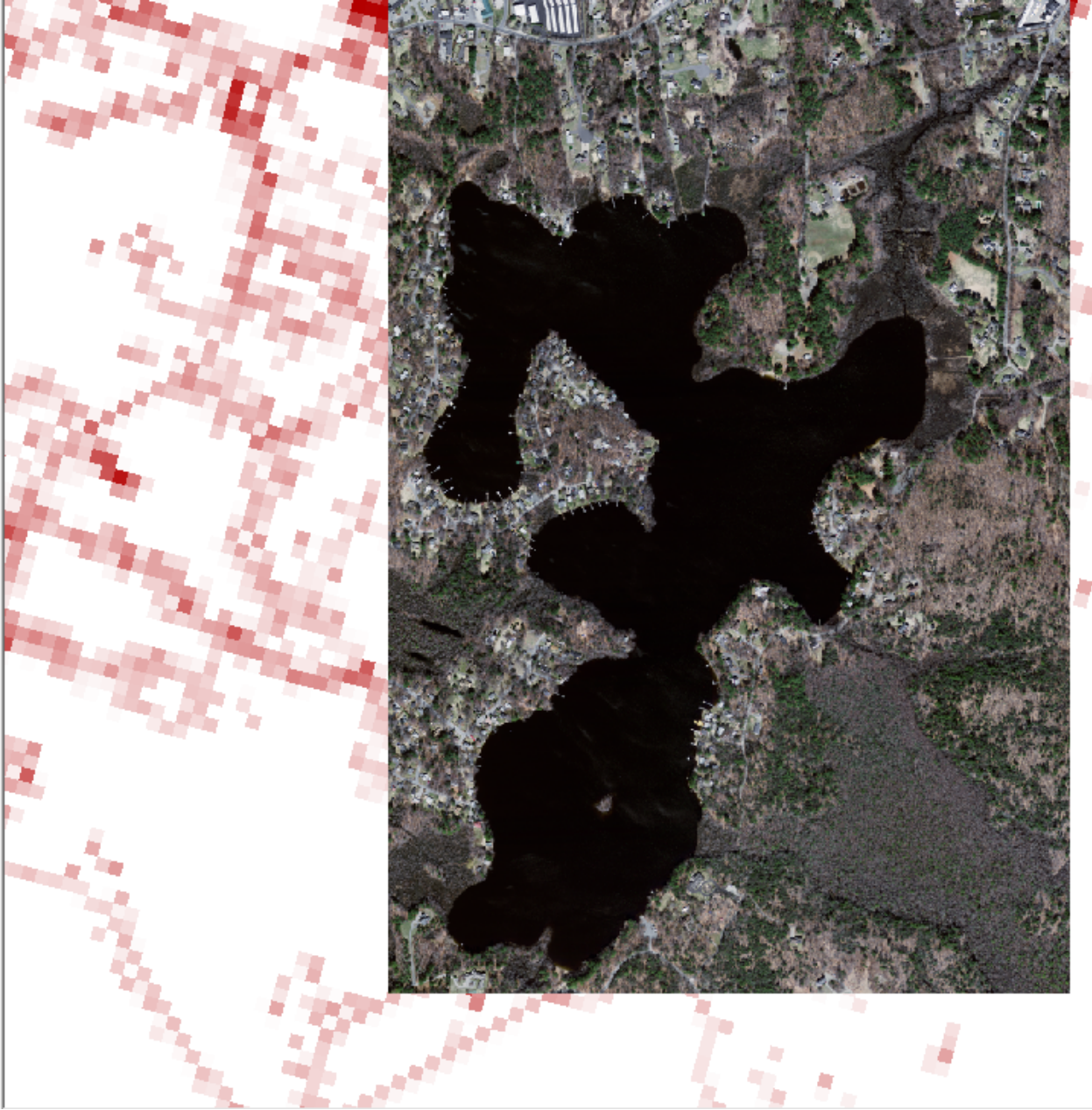
Impervious Surfaces

Impervious Surfaces Around Chebacco Map

I was interested in looking at impervious surfaces after seeing growth and development around the lake over time.



Impervious Surfaces with 2008 Satellite Image Overlay



Watershed Delineation

Simple Watershed Delineation & Flow Accumulation

