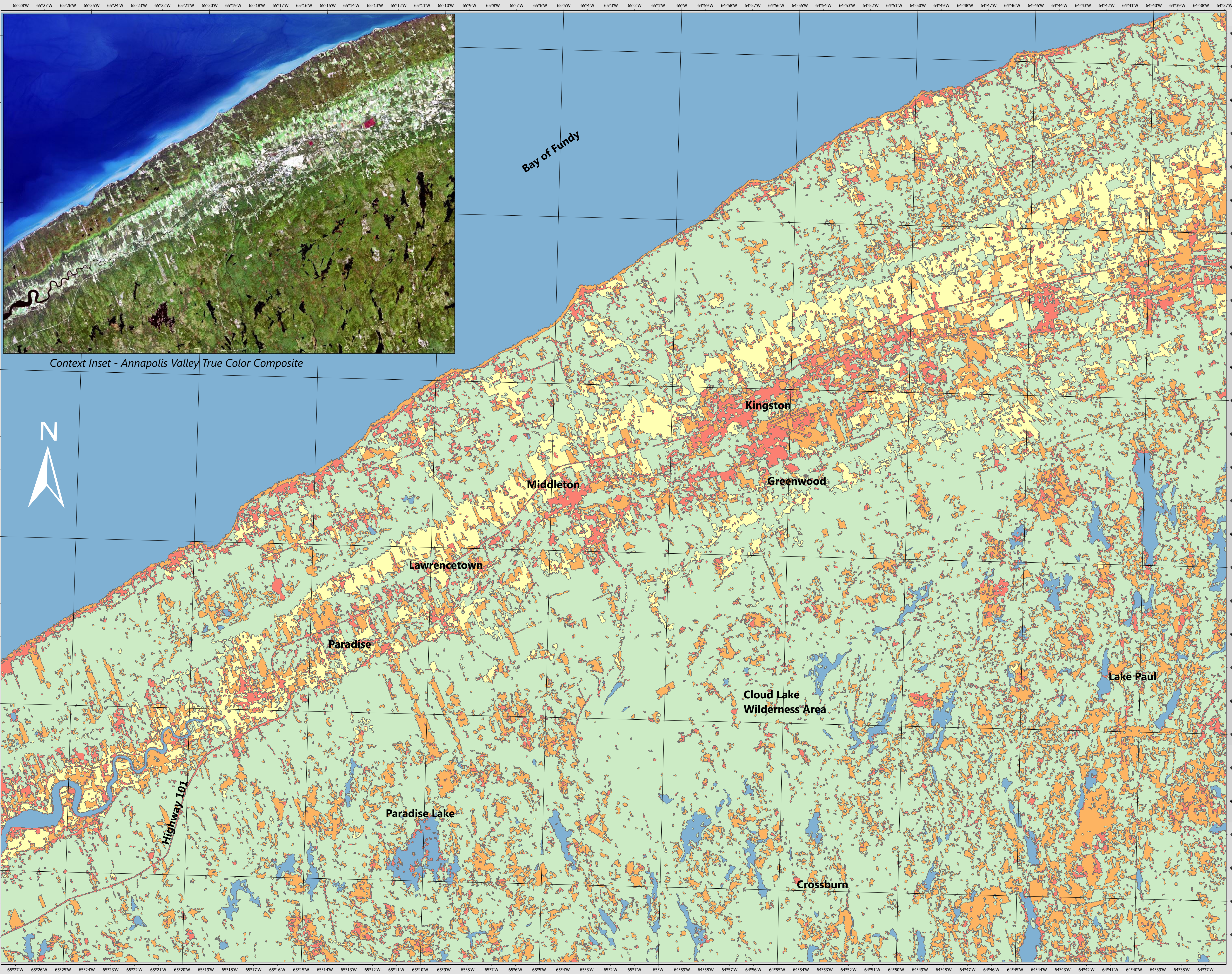


Supervised Classification - Annapolis Valley, NS

Submitted By - Yogesh Nandal
December 5, 2020



Legend

- Water
- Barren
- Urban
- Herbaceous
- Forest

Description:
The current map shows supervised classification using the Maximum Likelihood method on a total of 15 training areas which were then aggregated into the visible 5 classes and later 'Sieved' with a polygon threshold of 7 to eliminate noisy pixels using SIEVE tool in Focus.

The overall accuracy of the classification is 94% at 95% confidence interval. Once classified and aggregated, 50 random samples were checked for accuracy assessment and extraction of confusion matrix. Later, the same was exported as polygons using RAS2POLY tool in Focus .

Data Sources & References:
Imagery: USGS Earth Explorer
Imagery Acquisition SV: Landsat 8 OLI
Acquisition Date: September 19, 2019

Software Suites used:
PCI Geomatics Focus Banff, ArcGIS Pro, Google Earth Pro



Spatial Reference:
GCS: GCS WGS 1984
Datum: WGS 1984
Projection: Transverse Mercator
PCS: WGS 1984 UTM Zone 20N
Central Meridian: -63.0000

Disclaimer:
This unedited & unverified product is produced by Yogesh Nandal as part of student project towards completion of Assignment 5 for REMS 5001 at COGS, Lawrencetown, NS. It is intended solely for educational purposes.

Scale: 1:95,000

