

MTRI Developmental Harmful and Nuisance Algal Bloom Map

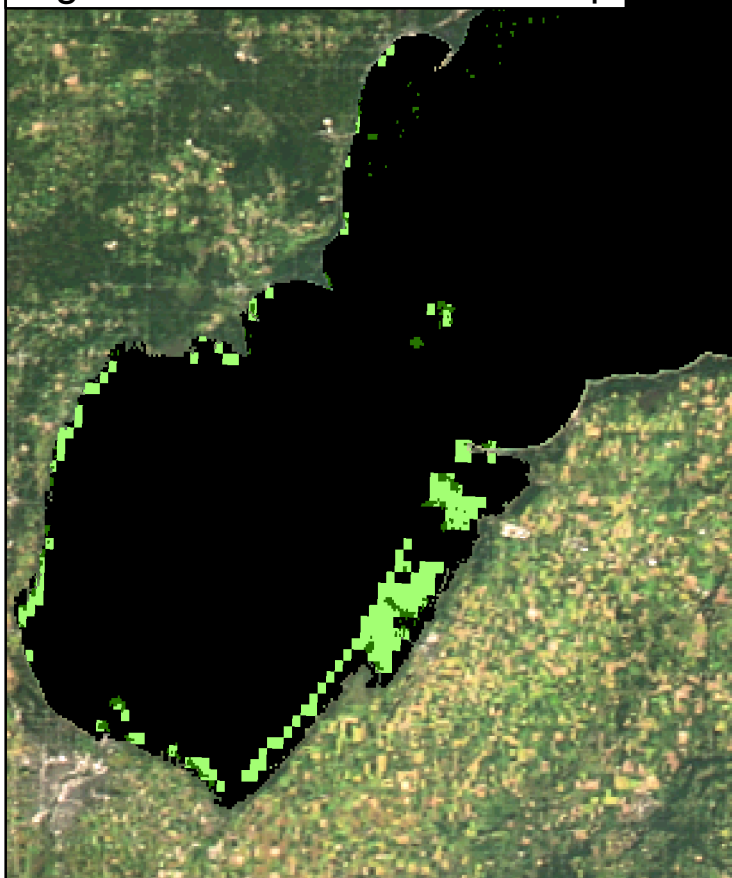
MichiganTech
Research Institute



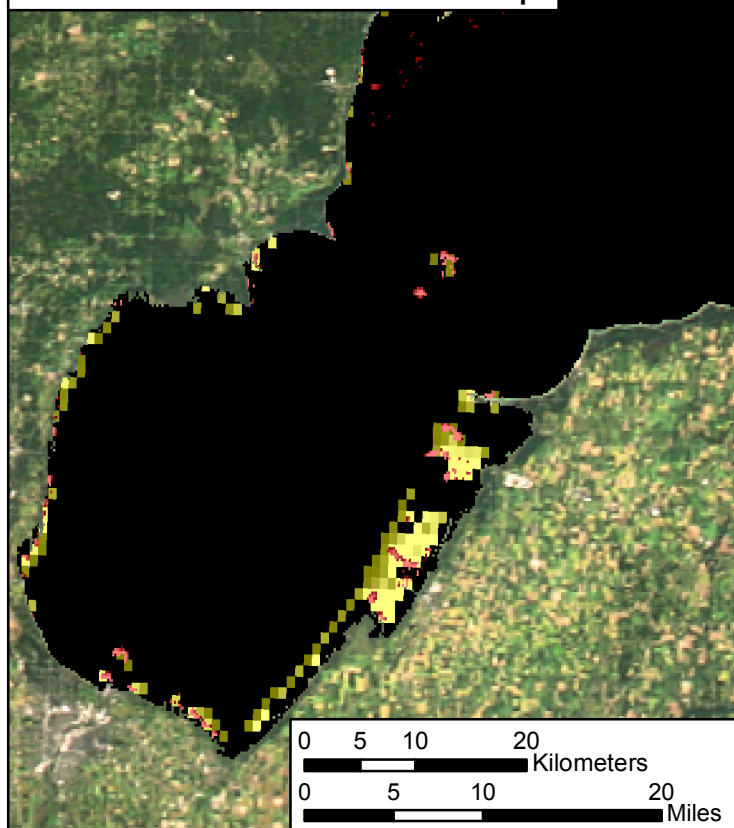
Saginaw Bay
September 27, 2014



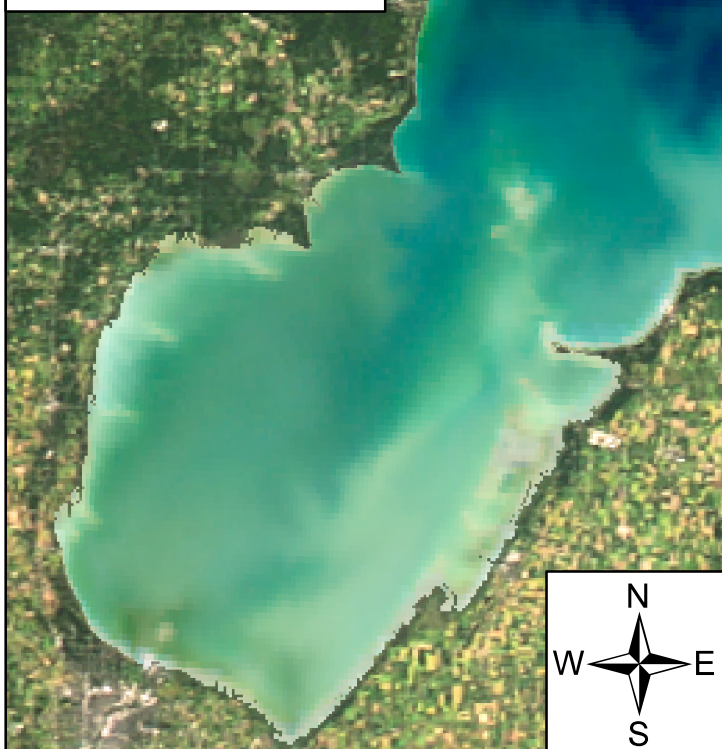
Algal and Sediment Extent Map



Water Quality & Public Health Concern Map



MODIS True Color



Area

Surface Algal Mat 27.31 Sq. Km.

High Algal Concentration:
(Chlorophyll > 20 µg/L) 120.88 Sq. Km.

Heavy Sediment Plume N/A Sq. Km.

Higher Concern Possible HAB Related Public Health Concern: (microcystin assumed > 20 µg/L based on surface scum analysis and historical observations Water Temp > 18°C)
Lower Concern Detected Area: 27.31 Sq Km.

Higher Concern Possible HAB Related Water Quality Concern: (Chlorophyll > 20 µg/L Water Temp > 18°C)
Lower Concern Detected Area: 120.88 Sq Km.