

MTRI Developmental Harmful and Nuisance Algal Bloom Map

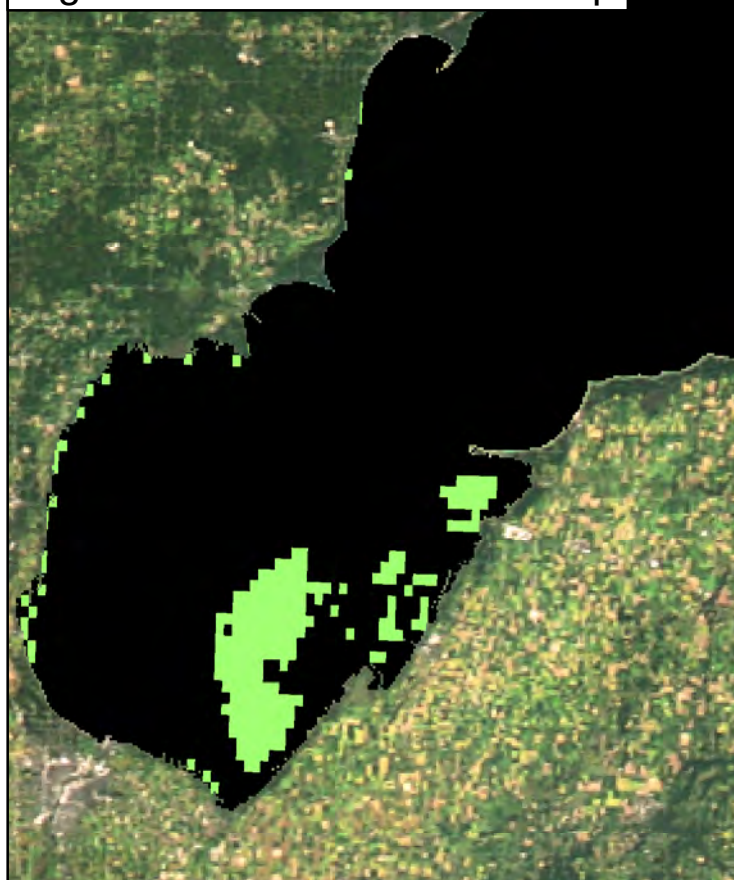
MichiganTech
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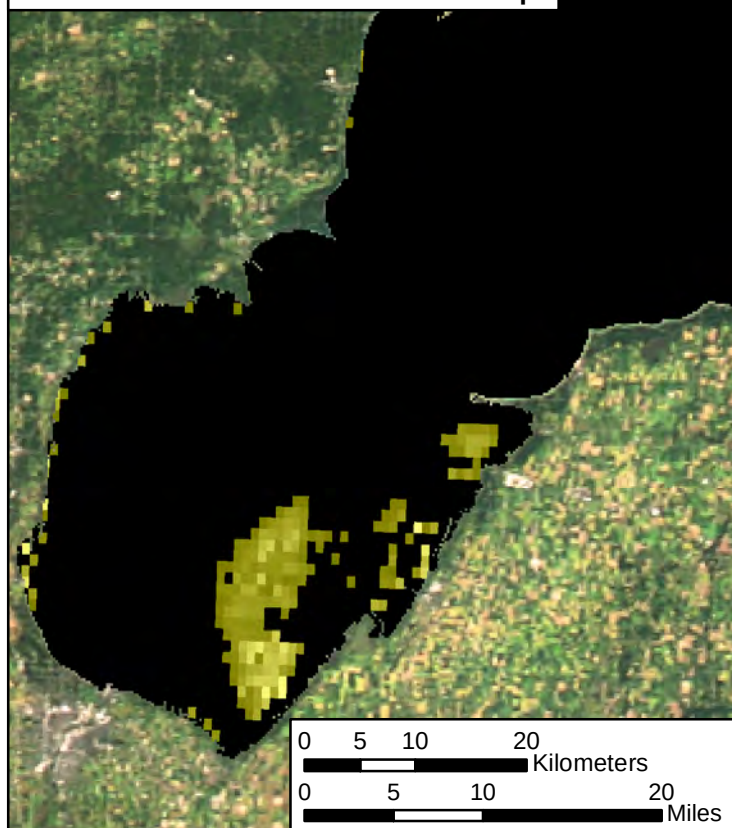
Saginaw Bay
August 15, 2014



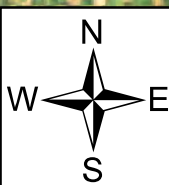
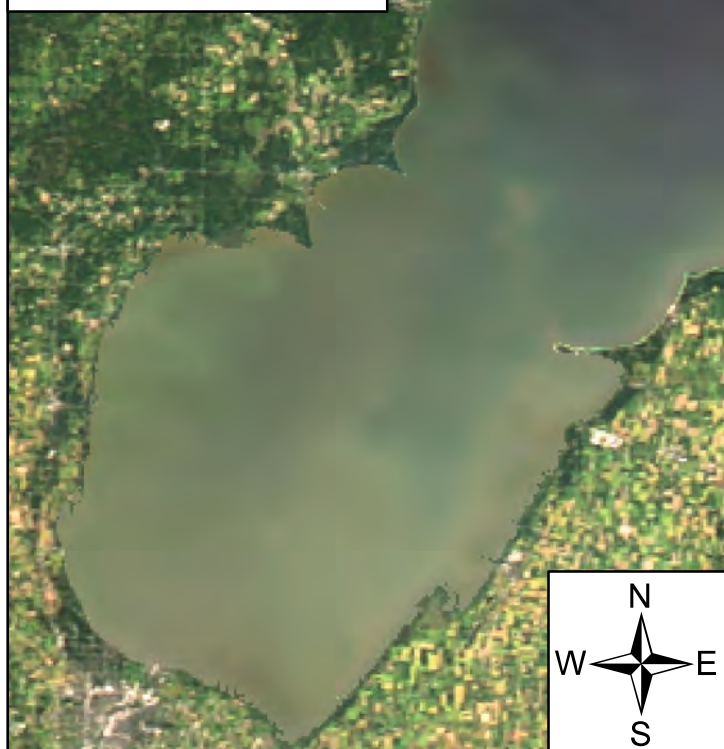
Algal and Sediment Extent Map



Water Quality & Public Health Concern Map



MODIS True Color



Area

 Surface Algal Mat N/A Sq. Km.

 High Algal Concentration:
(Chlorophyll > 20 µg/L) 165.88 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: N/A Sq Km.

 Higher Concern Possible HAB Related Water Quality Concern: (Chlorophyll > 20 µg/L Water Temp > 18°C)
Lower Concern Detected Area: 165.88 Sq Km.