

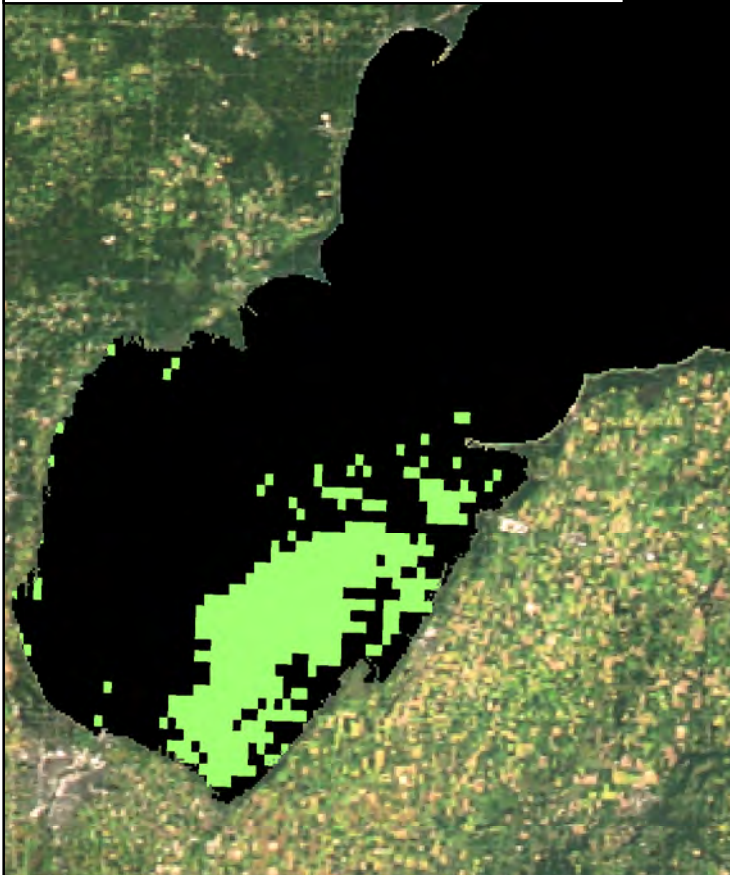
MTRI Developmental Harmful and Nuisance Algal Bloom Map



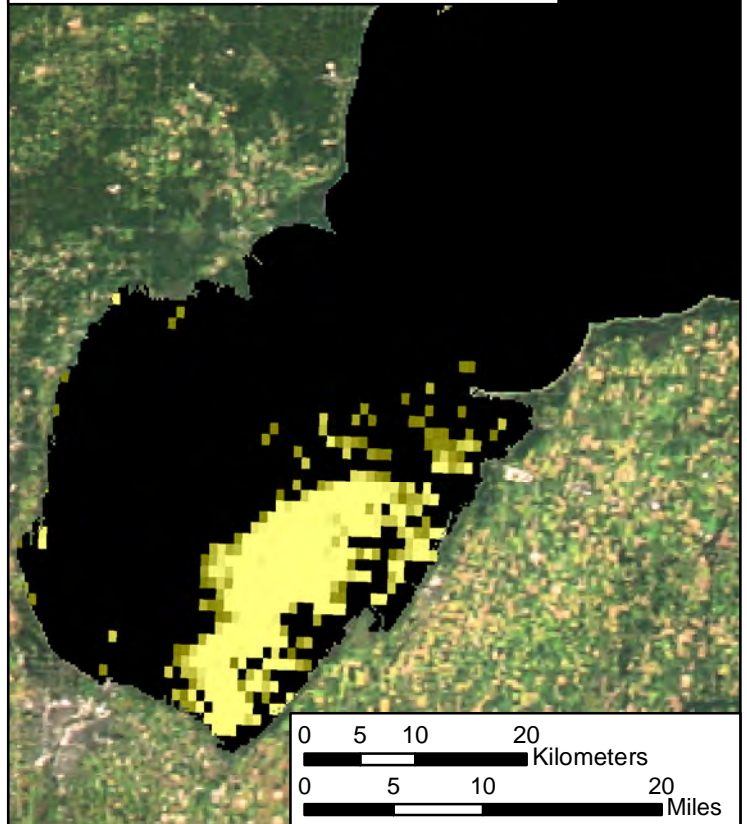
Saginaw Bay
August 13, 2014



Algal and Sediment Extent Map






Water Quality & Public Health Concern Map







MODIS True Color



Area

	Surface Algal Mat	350.94 Sq. Km.
	High Algal Concentration: (Chlorophyll > 20 µg/L)	505.94 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: 350.94 Sq Km.

	Higher Concern	Possible HAB Related Water Quality Concern: (Chlorophyll > 20 µg/L Water Temp > 18°C)
	Lower Concern	Detected Area: 505.94 Sq Km.