



# **WOLFE LAKE ASSOCIATION**

**AGM 2016, Saturday, August 13**

**Water Quality Report**

**Daniel Spitzer**

- **Continue Water Quality sampling in cooperation with RVCA and MOECC**
- **Analyzing the data (trends and events)**
- **New technologies: satellite based Water Quality mapping**

# WOLFE LAKE ASSOCIATION

## Water Quality Report 2015

**Water Quality (WQ):** Clarity, concentrations of Phosphorus, Nitrogen, Dissolved Organics, E. Coli

**Good news:** All WQ pollutant concentrations are well below the provincial criteria

**Less good news:** One incident (elevated concentrations) in July 2015, North-Western corner

In general, the WQ is slightly decreasing since 2009. Not critical (yet)

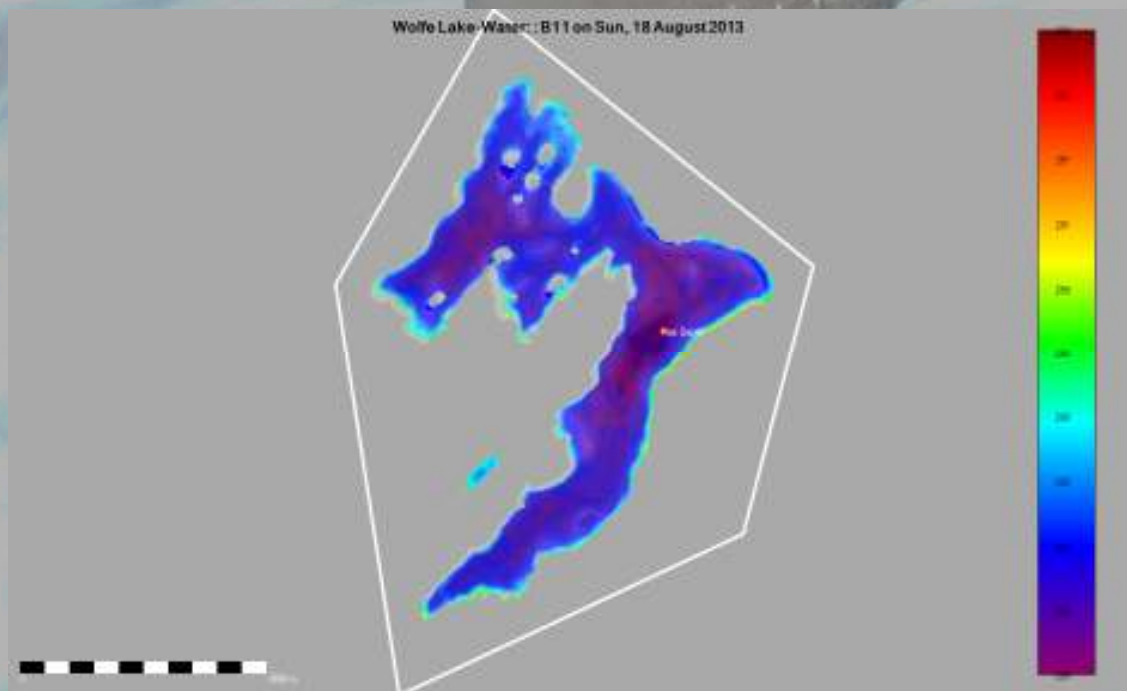
**2016:** So far, so good

# WOLFE LAKE ASSOCIATION

## Water Quality Report 2015

### New WQ Monitoring Technologies:

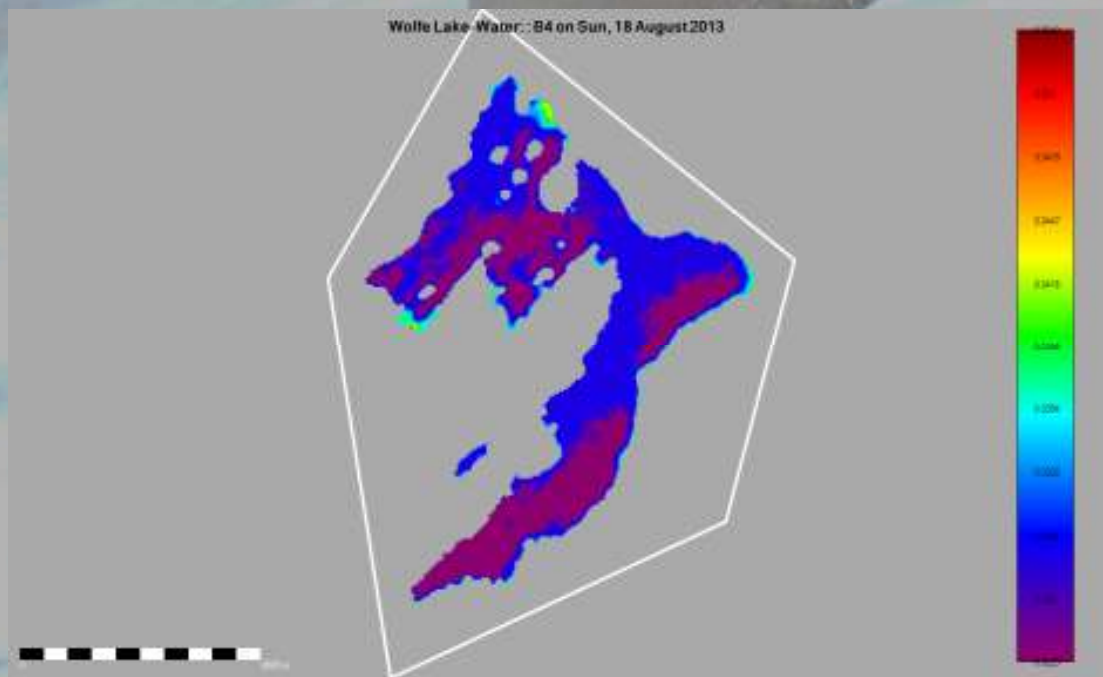
Satellite imagery = spectral maps from space



# WOLFE LAKE ASSOCIATION

## Water Quality Report 2015

**New WQ Monitoring Technologies:**  
Satellite imagery = spectral maps from space



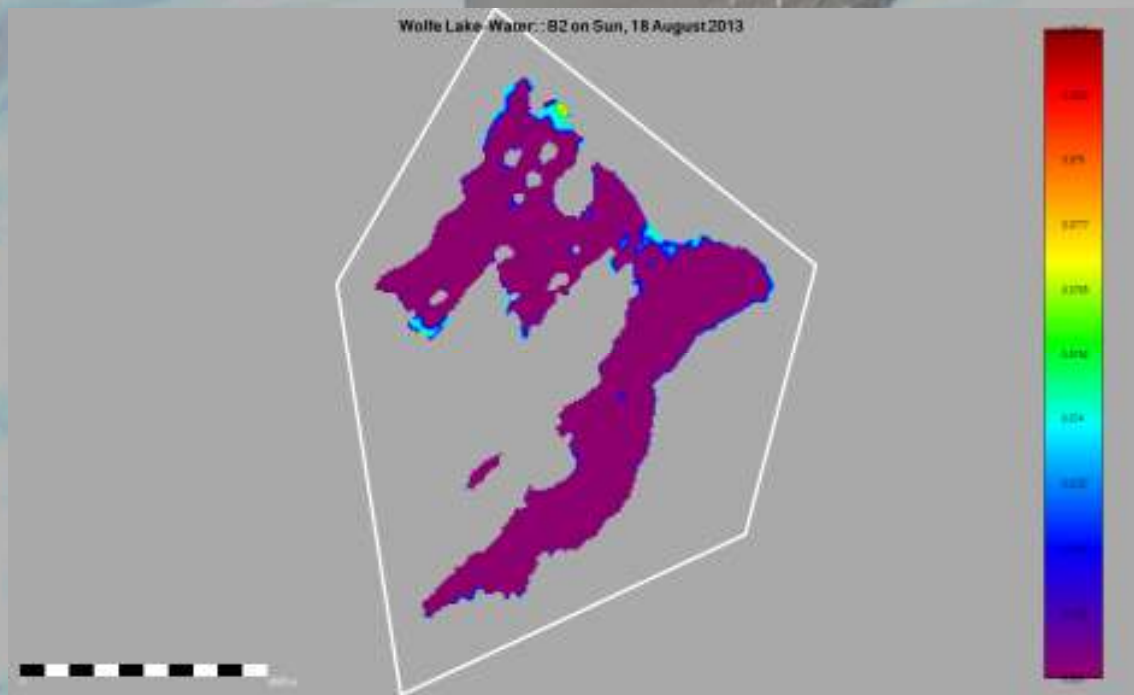
**Suspended particles  
Clarity**

# WOLFE LAKE ASSOCIATION

## Water Quality Report 2015

New WQ Monitoring Technologies:  
Satellite imagery = spectral maps from space

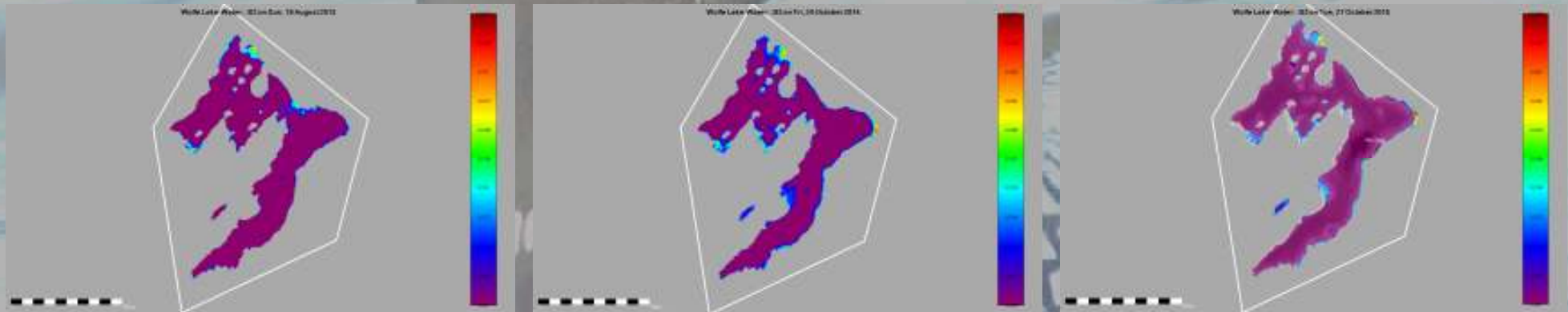
Aquatic vegetation (Milfoil)



# WOLFE LAKE ASSOCIATION

## Water Quality Report 2015

### Milfoil Detection and Mapping 2013, 2014, 2015



# WOLFE LAKE ASSOCIATION

## Water Quality Report 2015

Milfoil Survey July 29, 2016



-  Eurasian Milfoil
-  Native Milfoil
-  Mixed Milfoil



