Analysis of invasive aquatic vegetation coverage in Lake Guntersville with *in situ* validation of Earth observations

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**Objective**
To assess the accuracy of a model designed to estimate the coverage of invasive vegetation in Lake Guntersville using multispectral Earth observations. Infrared spectrometers will provide field validation during Landsat overpasses for comparison.

**Data Sets**
- STS-NIR Miniature infrared spectrometer
- Tetracam infrared digital camera
- Secchi Disk
- GPS waypoints
- Landsat 8 OLI/TIRS

**Impact**
Hydrilla and E. Watermilfoil:
- Provide habitats for mosquitos and fish
- Interfere with recreation and transportation
- May reduce water turbidity

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