Conclusions

- Blue-green algae can be identified by collecting the endmember spectra.

- Hyperion sensor identified the hydrilla canopy from the MNF and SAM images results and the spectral signatures were matched to the spectral library.

- In-situ tank and field measurements established a baseline for determining the spectral signatures of hydrilla.

- Field measurements determined whether the hydrilla was emergent (floating) or submergent by the peak reflectance of 16% and 6%. A reflectance less than 10% indicates that the hydrilla is submerged.

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