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Exploration and Evaluation of High-Resolution Imagery for Environmental Assessment

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Abstract

Identifying and classifying wetland areas is a necessary step in project planning, but is one that requires substantial investment of time and expertise. Use of advanced data mining techniques that evaluate indices derived from imagery and terrain data could speed this process along. In this project, we developed a classification tool for ArcGIS Pro that uses accessible data for project areas and computes an estimated percent likelihood of wetlands for all areas within the project boundaries.