

Geo-Imaging Tool for Water Quality Investigations

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Digital images have long been used as a tool to validate data and verify site conditions. However, reconciling digital photos with field notes and correct locations is problematic and time consuming.

Technological advances now allow spatial data and field notes to be automatically associated with high-resolution digital images allowing the data to be immediately available in a GIS, database or spreadsheet, resulting in more efficient work flows.

This presentation will spot-light a GPS-enabled, digital, field camera with an integral data dictionary. Water quality applications of water sample chain-of-custody, stream-flow/habitat restoration and multi-parameter water quality probe interface will be used as case studies.