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Type	Poster or oral presentation
Category	Effectiveness of monitoring protocols
Title	<i>A conscientious practitioner's perspective of maintaining adaptable and dynamic stream and wetland restoration monitoring records.</i>
Abstract	<p>Stream and wetland restoration monitoring often does not proceed in a uniform manner. During the course of the monitoring period, changes in regulatory success criteria, watershed conditions, stakeholder and landowner attitudes, technology, and practitioners can cause disruptions in the monitoring record or require modifications to the monitoring record. For many projects, considerable effort and cost goes into monitoring restoration sites. Some organizations have strived to create monitoring standards. However, these standards cannot cover all possible situations and may be misinterpreted by the monitoring performer. Additionally, in cases where separate entities perform the monitoring, flexibility in monitoring procedure allows for a range of approaches that may provide improved methods.</p> <p>A solution to the problem of changing requirements of the monitoring effort is the creation of a well documented monitoring record that includes feature definitions, feature identification procedure, key feature properties, assessment methods and tools, relationship between assessment methods and features, database structure, analysis tools structure and relationship to data tables and other information pertinent to understanding monitoring assessment and analysis protocol. In addition to providing open documentation, the monitoring record should be modular by way of reduced table structures that describe distinct elements of the monitoring features and related analysis components. Monitoring records set up in this way allow flexibility in describing site conditions through interoperability with outside data sources, expansion of described features or depth of description, and versioning of data and analysis based on different scenarios.</p> <p>The benefits of using this monitoring record protocol will be described through a demonstration of an example stream restoration project.</p>