

## **Quantifying Natural Resource Values in the Context of Demonstrating Environmental Sustainability: Case Studies of Performance Metrics Used to Demonstrate the Benefits of Site Remediation and Restoration**

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### Abstract

John Lovenburg will provide a review of natural resource valuation metrics that can be used to demonstrate the benefits of land management, site remediation and site restoration. A linkage will be made to the application of these approaches towards demonstrating environmental sustainability and making overall land management decisions. The metrics discussed will include both ecological and human use service metrics. John Lovenburg will discuss the value of quantifying these metrics so that the ecological and human use values associated with actions can be used by regulatory and corporate entities in managing land assets and potential environmental liabilities. This review will include several case studies where these valuation metrics have been used to demonstrate the quantified benefits associated with selected actions. The case studies will include an overview of an ongoing U.S. Environmental Protection Agency Pilot Study.