

Randle Reef Sediment Remediation Project - Overview and Selected Geoscience Aspects

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Speaker: Matthew Graham, M.Sc., P.Geo.

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Randle Reef is the largest sediment remediation project on the Canadian side of the Great Lakes. It is an area of highly contaminated sediment located in Hamilton Harbour that is approximately 60 hectares or 120 football fields in size. The cost of the clean-up project is estimated at \$138.9 million. The project is a blended remedy involving dredging to an engineered containment facility, isolation capping and thin-layer capping. The project is currently wrapping up the 2nd Stage of a 3 stage project, with final completion anticipated for 2023. Environment and Climate Change Canada is leading this project along with several other partners. This talk will provide a general overview of the project's remedial design, highlights of the first 2 stages and then discuss a few selected design studies with a geoscience focus.

Participation in this webinar counts as a continuing professional development (CPD) activity.

About Matthew Graham, M.Sc., P.Geo. Environment and Climate Change Canada



Matthew is a Professional Geoscientist and Senior Sediment Remediation Specialist at the Canadian Department of the Environment with 20 years of experience in contaminated sites. He started his career in consulting where he conducted Phase I, II and III Environmental Site Assessments and hydrogeological investigations. Upon moving to the federal government, he continued to work in the contaminated sites field focussing first on the risk assessment of contaminated sites and then all aspects of contaminated sediment assessment and remediation.

His present position involves project management, leading and conducting scientific studies and investigations (field and lab), consultation with project partners and the public and providing advice to management and other government departments with respect to contaminated aquatic sites. He has been involved in the Randle Reef Sediment Remediation project since 2009 and in addition to managing many aspects of the design and comprehensive environmental assessment, has also led and conducted numerous scientific studies that were incorporated into the project design and monitoring plan.