

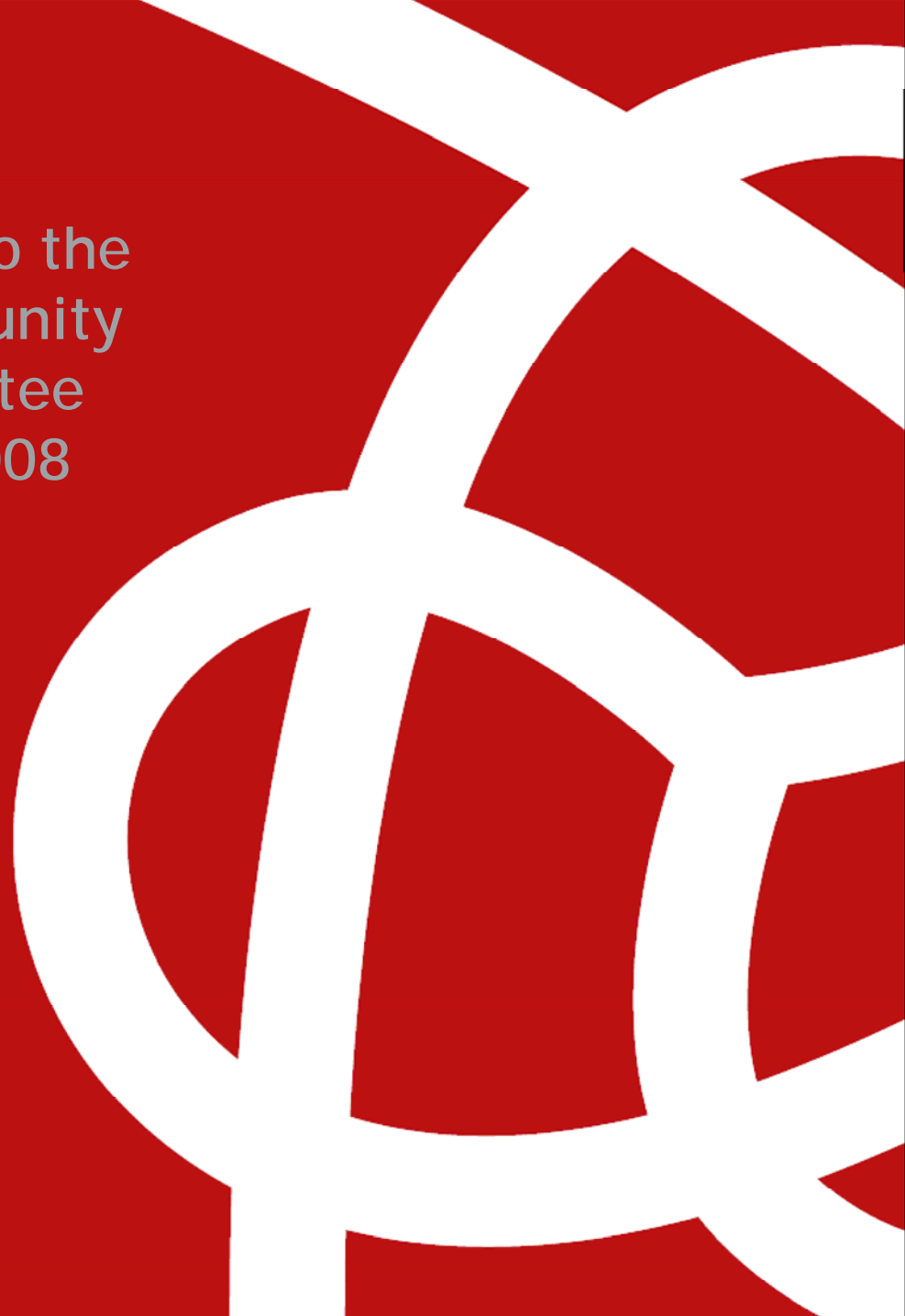


PORT METRO
vancouver

Presentation to the
Deltaport Community
Liaison Committee
October 23, 2008



September 1, 2008



Presentation Outline

- Introduction - Port Metro Vancouver
- Adaptive Management Strategy (AMS)
- Hemmera
- Construction Environmental Monitoring Program - Hemmera
- Marine Mammal Monitoring Program
- Jacques Whitford
- Questions

Adaptive Management Strategy

Objective:

To provide early detection of changes in the inter-causeway ecosystem such that significant negative environmental trends attributable to the DP3 project can be prevented or mitigated

Required by Environment Canada as a condition of the Disposal at Sea Permit.

AMS Monitoring and Reporting

- Duration: pre-construction, during construction, and five years of post-construction monitoring
- Annual review process:
 - Results compilation
 - Evaluation against pre-determined criteria
 - Review and recommendations by independent Scientific Advisory Committee (SAC)
 - AMS results and SAC recommendations made available for public and First Nations review

Scientific Advisory Committee

Dr. Ron Ydenberg: Dr. Ydenberg was appointed jointly by the Port Metro Vancouver and Environment Canada and chairs the committee. He is Director of the Centre for Wildlife Ecology, Department of Biological Sciences, at Simon Fraser University and his research interests lie in behavioral ecology and the application of behavioral ecology to conservation and other applied problems. Dr. Ydenberg is also experienced with the application of programs similar to the Adaptive Management Strategy for monitoring and managing ecosystems.

Dr. Terri Sutherland: Dr. Sutherland is serving as the Environment Canada appointment to SAC. She is a research scientist with the UBC-DFO Centre for Aquaculture and Environmental Research. Her research has included work at Roberts Bank, such as a study on the sensitivity of Roberts Bank to climate change and a Roberts Bank biodiversity study.

Mr. Rowland Atkins: Mr. Atkins was appointed by the Port Metro Vancouver. He is a coastal and fluvial geomorphologist with extensive experience along the BC coast. Mr. Atkins experience in applied geomorphology studies includes work in areas of particular interest at Roberts Bank, including sediment transport by waves and tidal currents, channel stability, bank protection, and coastal erosion.

Construction Environmental Monitoring

- Requirement of the *Fisheries Act Authorization*
- *“All works associated with the Project that have, in the opinion of DFO, the potential for adverse impacts to fisheries resources including marine mammals, shall be monitored by an appropriately qualified individual(s), (the “environmental monitor”). ”*
- *“Due to the Project construction activities and potential effects on the marine environment, there may be more than one “environmental monitor” on the Project to reflect the required expertise. The environmental monitoring activities will be coordinated by VPA.”*

Marine Mammal Monitoring Program

- A requirement of the DFO Authorization
- *“The environmental monitor for the “marine mammal monitoring program” shall monitor and direct all works, including the cessation of works, on the Project to reduce potential effects on killer whales and to ensure compliance with the Fisheries Act, SARA and all other applicable legislation, guidelines, and best management practices; and compliance with the terms and conditions of the Authorization to reduce potential effects on marine mammals.”*

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Questions

