



PORT METRO
vancouver

Deltaport Third Berth
Operations Compliance
Report

“Sneak Peak”

Presentation to the DCLC

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vancouver 2010

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Overview of Presentation

1. Report Context
2. AMS
3. Roberts and Sturgeon Banks Reach Overview Committee
4. Marine Mammal Monitoring
5. Habitat Compensation
6. Air Quality Station
7. Traffic
8. Noise & Lighting
9. DCLC
10. Ongoing Programs

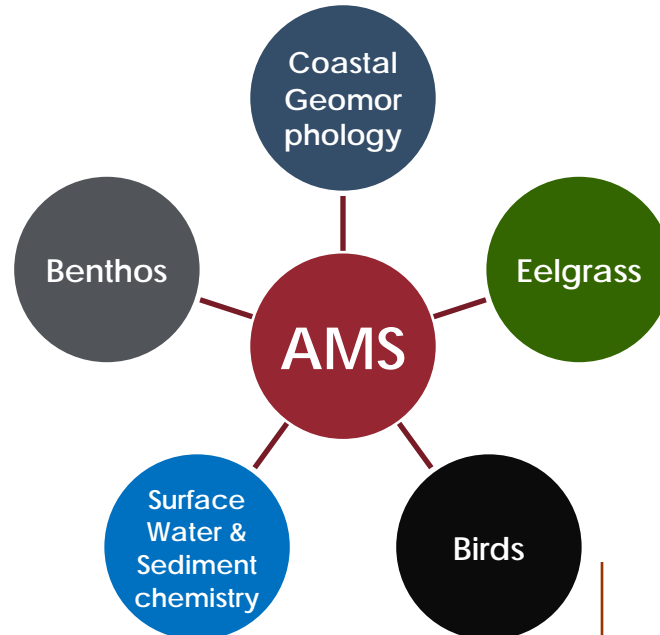


Report Context

- From the Environmental Assessment Certificate (Condition #5):
 - “The Proponent must submit a report to the [EAO] on the status of compliance with the Conditions of this Certificate... ..one year after the start of operations of the Project.”
- Final EAO reporting requirement
- Covers December 2009 – December 2010
- To be submitted to EAO in January 2011
- Previous compliance reports available on PMV and EAO websites

Adaptive Management Strategy

- DP3 construction complete and nearly one year operational, but AMS program is just nearing the half-way mark
- Program to continue for five years following substantial completion (through 2014)
- Annual reports will continue to be posted to PMV website



AMS Cont'd

- Key finding to date:
 - No negative ecosystem trends attributable to DP3 have been identified
- Other findings of interest:
 - Pattern of erosion and sediment deposition in the inter-causeway area appears normal
 - DP3 construction does not appear to be contributing to dendritic channelization
 - Drainage channels which formed during early construction activities have stabilized, and eelgrass re-colonization is occurring

AMS Cont'd

- Other findings of interest cont'd:
 - Periodic elevated levels of some water quality parameters appear to be linked to upland inputs, Fraser River freshet, or regional background concentrations, but do not appear to be linked to DP3 construction
 - The eelgrass beds, benthic community and avian community around the inter-causeway mudflat appear to be healthy



Roberts & Sturgeon Banks Reach Overview Committee

- Members:
 - Regulators: Environment Canada, Fisheries and Oceans Canada, Transport Canada, BC Ministry of Environment, Ministry of Agriculture, Fisheries and Food
 - Regional Districts and Municipalities: Corporation of Delta, Metro Vancouver, City of Richmond, City of Vancouver,
 - First Nations: Tsawwassen First Nation, Katzie First Nation
 - Other: Port Metro Vancouver and YVR

Roberts & Sturgeon Banks Reach Overview Committee Cont'd

- Objective:
 - To provide a river-based description and analysis of water, shoreline and upland issues that transcend individual municipal and agency boundaries.
 - The final document is intended to serve as a planning and decision making tool for municipal planners, agency staff, First Nations, developers, landowners and members of the public to integrate foreshore and upland activities.
- Status:
 - Committee recently finalized Phase 2 of the project
 - Last meeting held on November 25, 2010

Marine Mammal Monitoring

- Marine Mammal Monitoring program developed under the *Fisheries Act* Authorization
- Baseline surveys, acoustic modeling, marine mammal surveys and daily marine mammal activity observations were conducted under program (reported in 2009 Compliance Report)



Marine Mammal Monitoring Cont'd

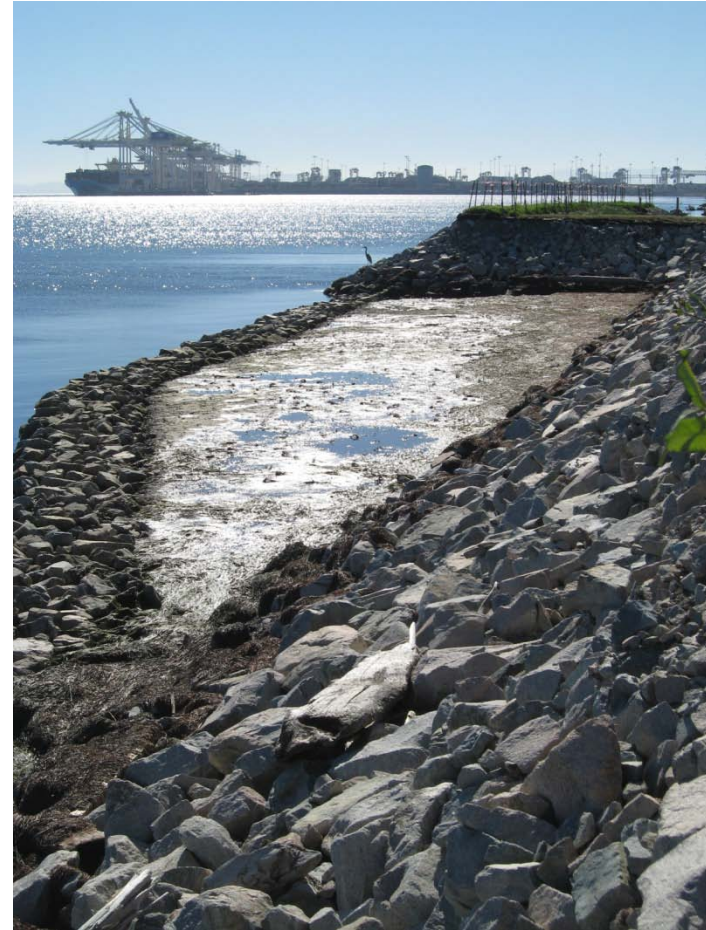
- In 2008, project area was designated as southern resident killer whale critical habitat under SARA
- Additional measures implemented included using DFO approved marine mammal observers to maintain constant observations for marine mammals within 1 km of work area
- Port developed a marine mammal awareness pamphlet and distributed to marine pilots, marine contractors, various agencies, at open houses, and more.

Habitat Compensation

- East Causeway Habitat Compensation completed in 2010
- Habitat features include:
 - Open and protected salt marsh
 - Gravel and sand beaches
 - Mud flat
 - Boulder clusters
 - Cobble seam
 - Vegetated upland

Habitat Compensation Cont'd

- Provides areas for juvenile fish rearing, forage fish spawning, crab nurseries, and colonization of macroalgae and invertebrates
- Post-construction monitoring to be conducted through 2017



Habitat Compensation Cont'd

- Other habitat compensation components completed prior to 2010
- Monitoring of all habitat compensation features to continue



Air Quality Station

- Monitoring station up and running in Tsawwassen since April 2010
- Metro Vancouver manages the station
- Measures carbon monoxide, nitrogen dioxide, sulphur dioxide, nitrogen oxide, ozone, and PM2.5
- Data is available at www.bcairquality.ca



Traffic

- TSI Traffic Management Plan
 - Presented and reviewed by DCLC
 - Living document most recently updated in September 2010
 - PMV monitors performance of TSI's TMP on a daily basis
- Delta Container Truck Traffic Working Group
 - Members: TSI, PMV, CoD, ICBC, DCLC, BC MoT, Delta Police, RCMP & TFN
 - Meet monthly to address traffic issues
 - Will continue to work together through 2011

Traffic Cont'd

- Roberts Bank Rail Corridor Improvements
 - 34B/Arthur Drive – Preliminary design 2011
 - 28th Avenue Overpass – March 2011 completion
 - 57B closure – to follow 28th Ave. Completion
 - 41B Street Overpass – Spring 2012 completion
 - 80th Street Overpass – Spring 2012 completion

Noise & Lighting

- Port-wide Noise & Nuisance Management Plan (including Roberts Bank) is currently being developed
- 24-hour complaint line (currently voicemail after hours) and email address established
 - Currently 604-665-9337 and container_expansion@portmetrovancover.com
- TSI continues to implement lighting improvements
- PMV is committed to continued work with the community on these issues

Noise and Nuisance Management Plan

- Developing a management plan to manage noise & nuisance issues in a proactive, reasonable and consistent way
- Balances port business needs and community concerns
- Three key objectives:
 1. Achieve a consistent and efficient response to all noise and nuisance complaints
 2. Improve understanding of noise and nuisance issues
 3. Reduce noise and nuisance issues from Port, tenant and port user activities

1. Consistent and Efficient Response: Community Complaint Line

- An important step in understanding relationships with port neighbours.
- Streamlines how we receive and respond to complaints, and makes response tracking easier.
- Makes it easier to compile data on the key issues of concern, in order to focus resources.
- 24 hours (but currently voice mail after hours) – 604-665-9004
- E-mail:
community.complaints@portmetrovancover.com
- Also, tenant and user contact list



2. Improve Understanding of Noise and Nuisance Issues

- On-going ambient noise monitoring at fixed stations (including Roberts Bank)
- Noise mapping in selected areas
- Agreement on 'acceptable' noise thresholds
- Information on PMV website (maps, monitoring data, plans, intended actions, examples of best practice, etc.)

3. Reduce Problematic Issues

- Resolving chronic complaints
- Researching and sharing best practice in noise and nuisance management
- Adding clauses to lease documents that will require tenants to take responsibility for their noise and nuisance issues
- Engaging decision makers, planners and communities to work cooperatively on underlying issues that promote conflicting uses

Progress to Date

- Noise and nuisance clause for leases
- Complaint line in process
- Training for operators who will monitor the line
- Noise monitoring terminals being procured
- Chronic issue resolution being pursued

DCLC

- PMV recognizes and is thankful for the great work the committee has done
- EAO has commented on the great example the DCLC has set and that the DCLC is a good model for other projects to consider

On-going Work

- AMS
- Habitat compensation monitoring
- Road/Rail Interface improvements
- Container traffic working group
- Port-wide noise and nuisance management plan
- 24-hour complaint line and email address
- Air quality monitoring station



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Questions?

