



PORT of
vancouver

Deltaport Third Berth East Causeway Habitat Remediation Project

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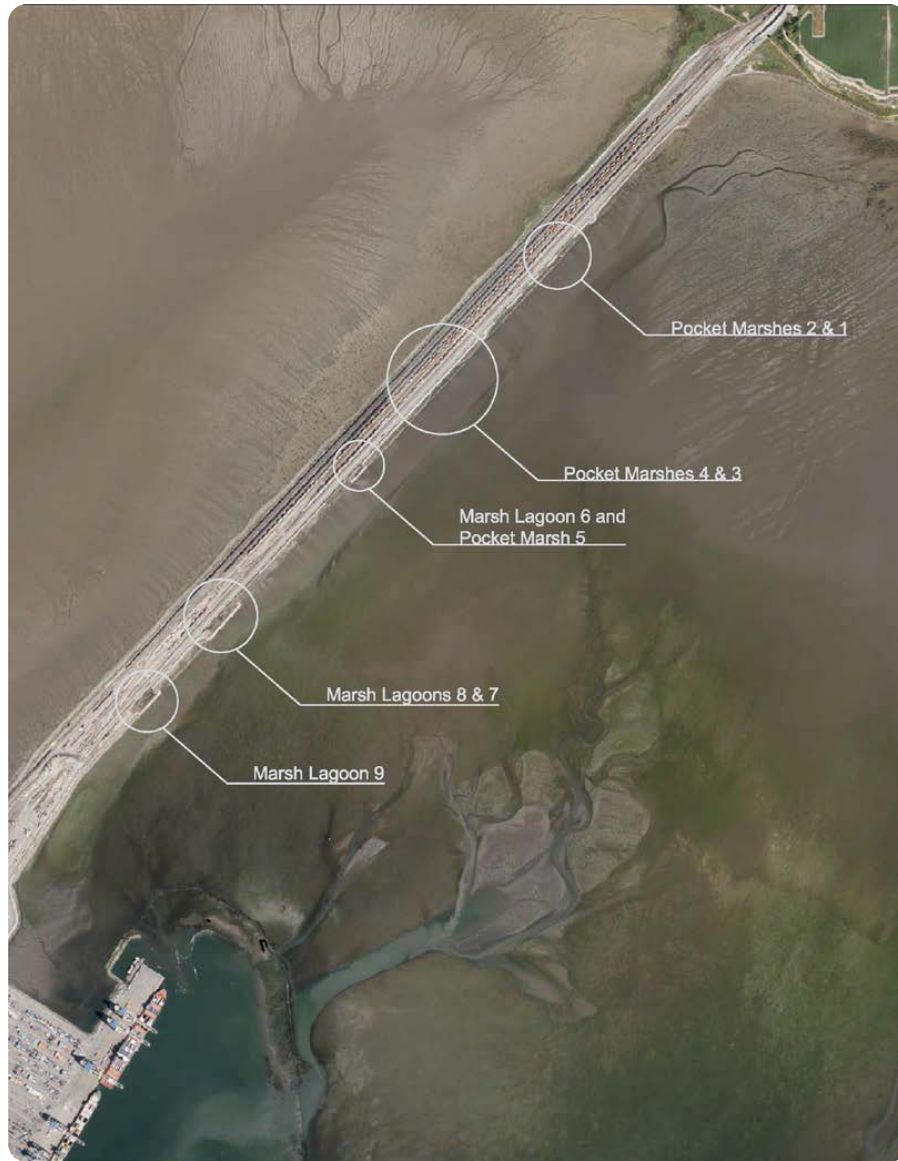
September 8, 2016

Deltaport Third Berth *Fisheries Act* Authorization 2007

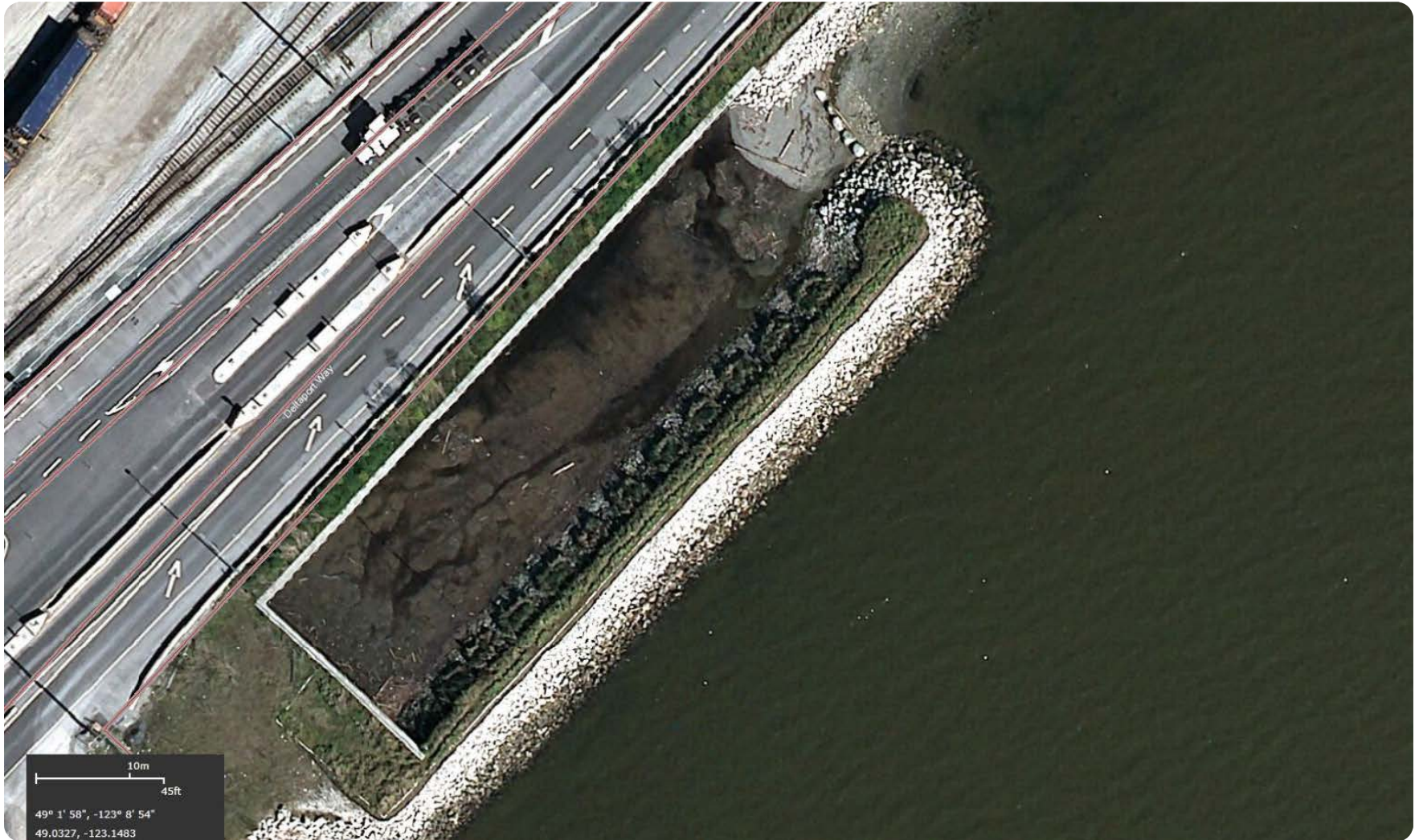
- ***Fisheries Act* Authorization Required for DP3**
- 5 Habitat Compensation Components:
 - East Causeway Habitat Enhancement
 - Log Removal and Tidal Channel Restoration ✓
 - Caisson Refugia ✓
 - Subtidal Reefs ✓
 - Offsite Salt Marshes ✓

DP3 East Causeway Habitat Compensation Objective

- Canadian Wildlife Service and DFO asked design team to maximize wetted habitat for fish and bird use, and limit compensation works to within the toe of the existing causeway
- Response from Design Team:
 - Wetted habitat was increased by intermittently using sheet pile walls instead of rip rap
 - Barrier islands originally proposed for area in front of the pocket marshes were removed from design



DP3 East Causeway Habitat Compensation 2010



Marsh Lagoon #9



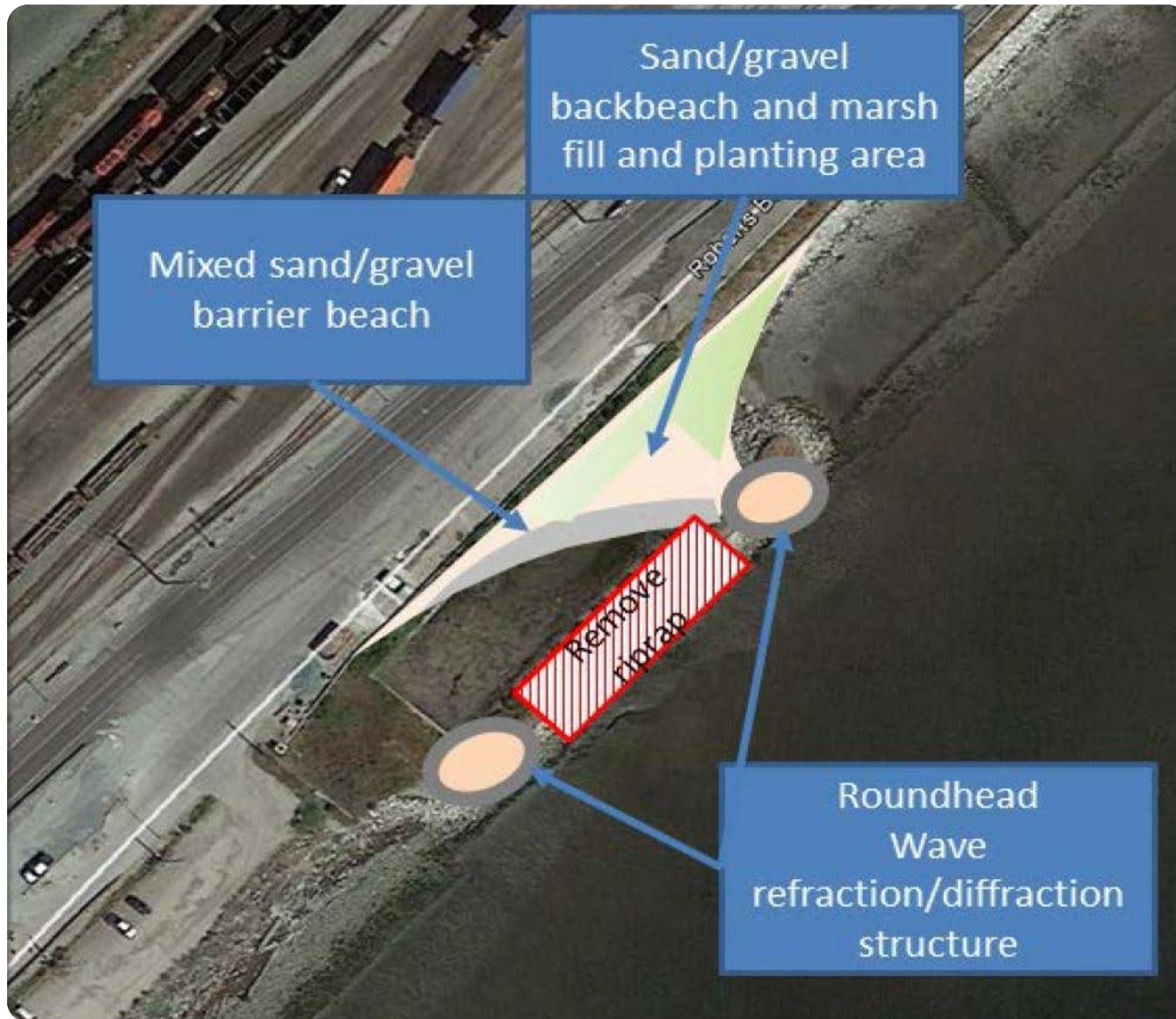
East Causeway Marsh Lagoon # 9



East Causeway Remediation 2016

Ferguson Rd

- Mimic Nature
- Protect marshes from high waves
- Allow beaches and marshes to be self-cleaning



One of Six New Barrier Beaches with Backbeach Marsh