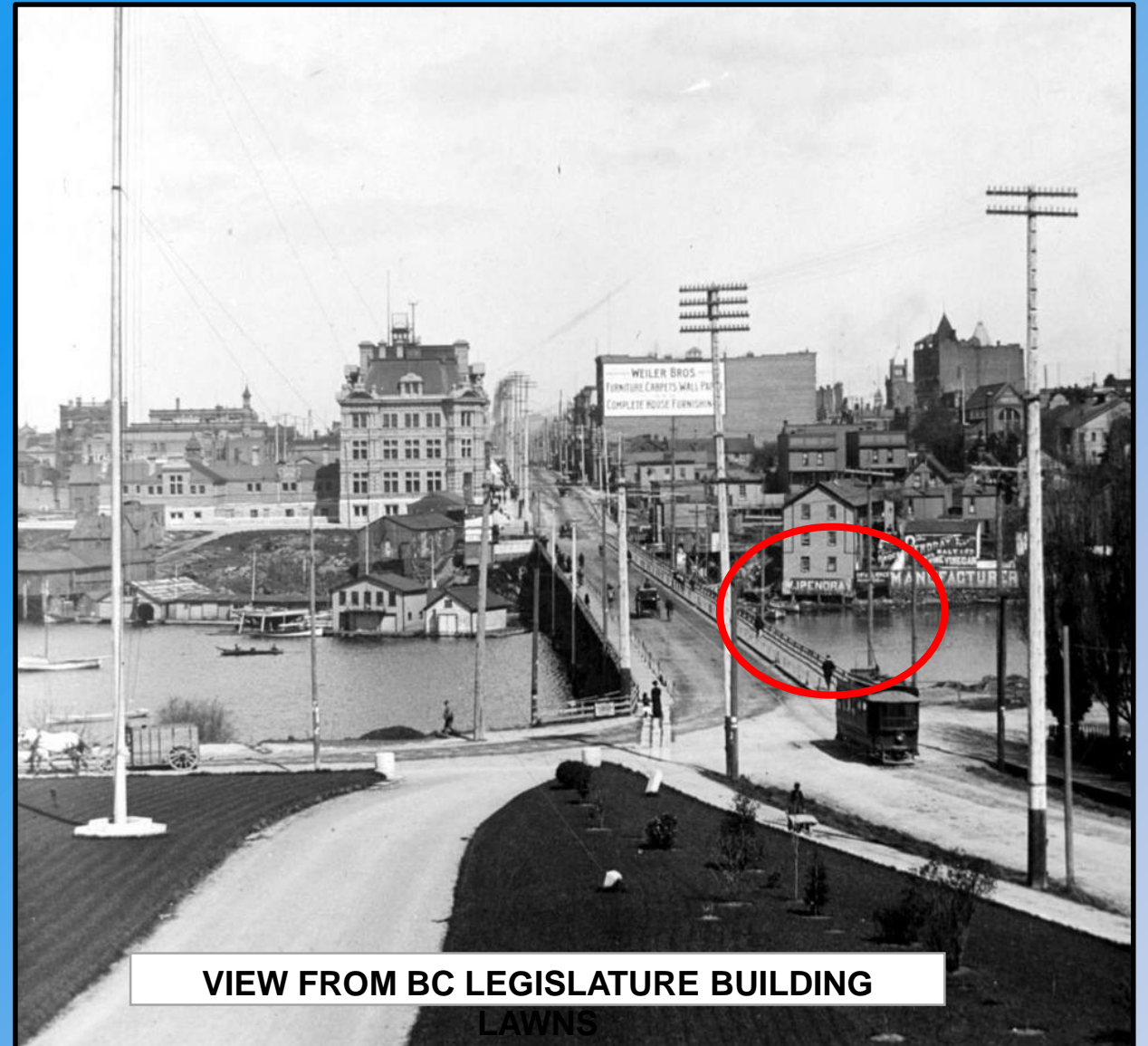


# Middle Harbour Remediation Dredging



# History of the site

- Late 1800s – W.J. Pendray Soap Factory at Humbolt and Douglas Streets, backing onto James Bay mud flats.
- Around 1890s – Pendray opened a paint factory next to the soap factory.



VIEW FROM BC LEGISLATURE BUILDING

LAWNS

# History of the site

- Around 1900:
  - James Bay mudflats filled in
  - Inner Harbour Causeway and Empress Hotel constructed
  - Pendray moved factories to Laurel Point.

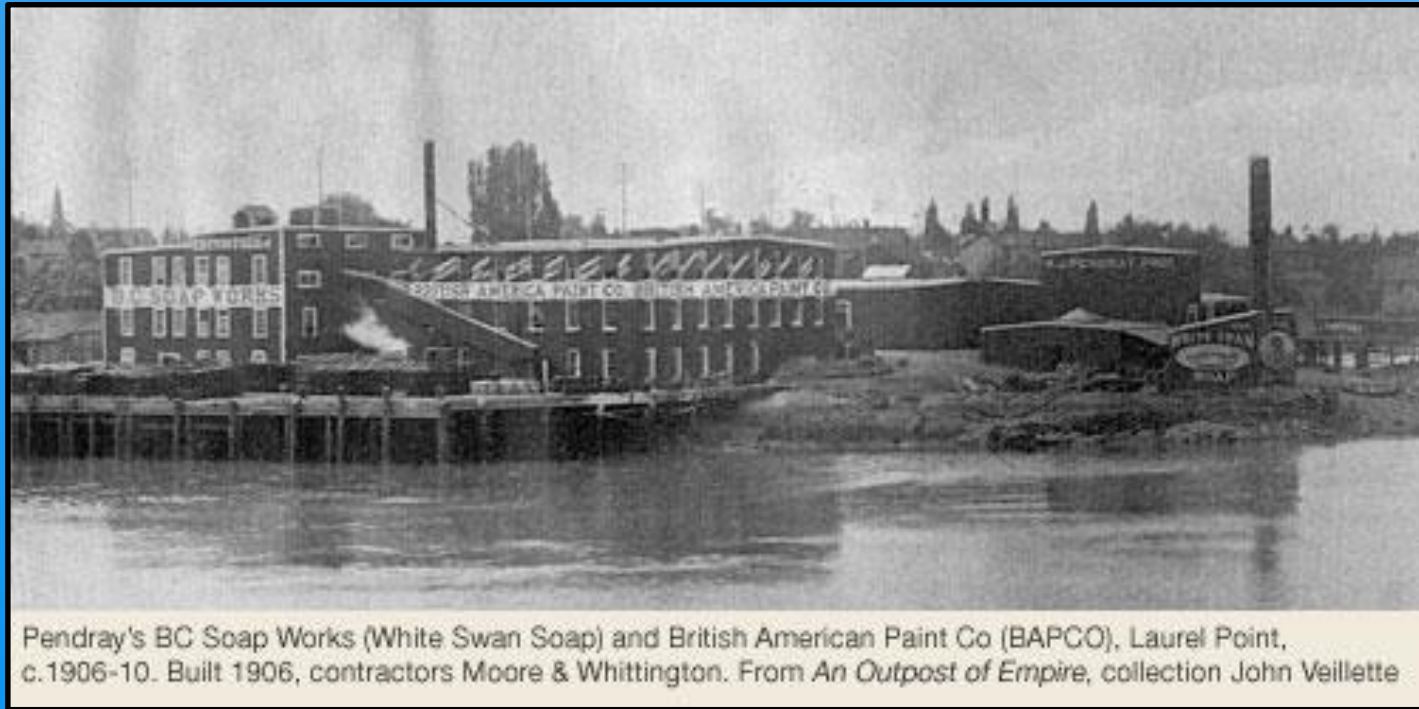


View of Inner Harbour Causeway retaining wall construction



# History of the site

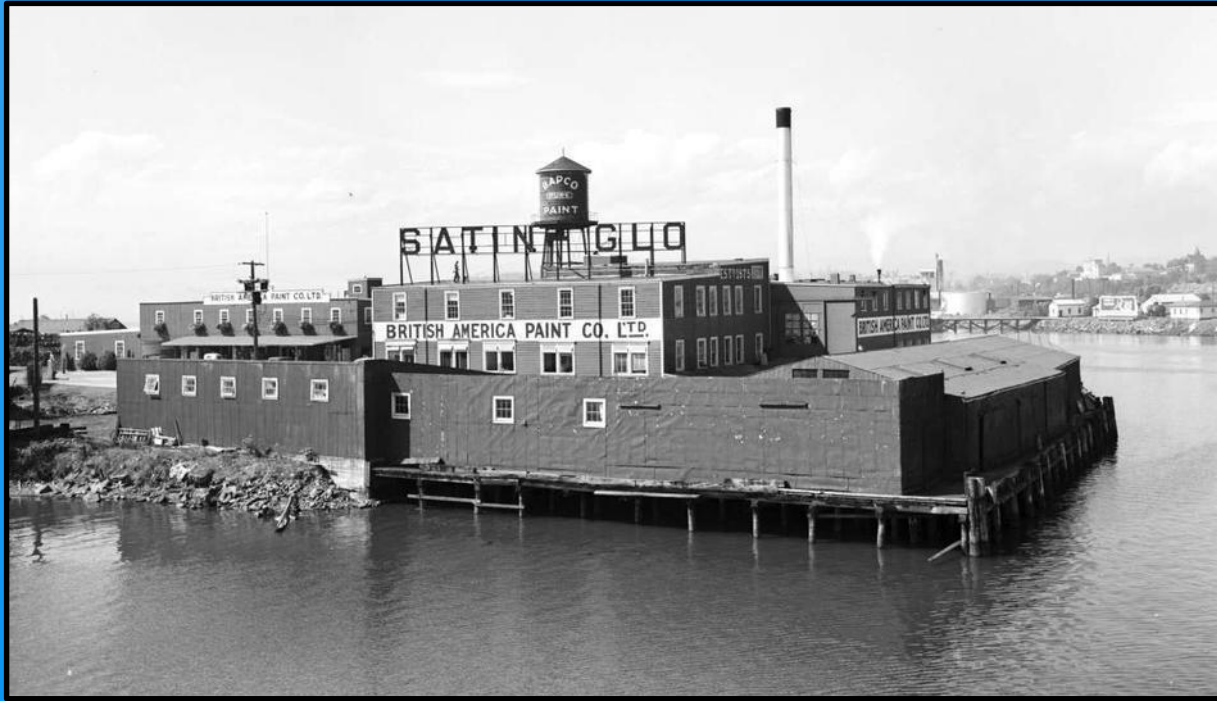
- Built new, larger factories at Laurel Point: Soap works and . . .



Pendray's BC Soap Works (White Swan Soap) and British American Paint Co (BAPCO), Laurel Point, c.1906-10. Built 1906, contractors Moore & Whittington. From *An Outpost of Empire*, collection John Veillette

# History of the site

## BAPCO Paint Factory



# Hazardous Substances in Paint

- Lead: Made paint more flexible and water resistant
- Other metals:
  - Arsenic
  - Cadmium
  - Chrome
  - Copper
  - Zinc
- PCBs: Used in pigments

# History of the site

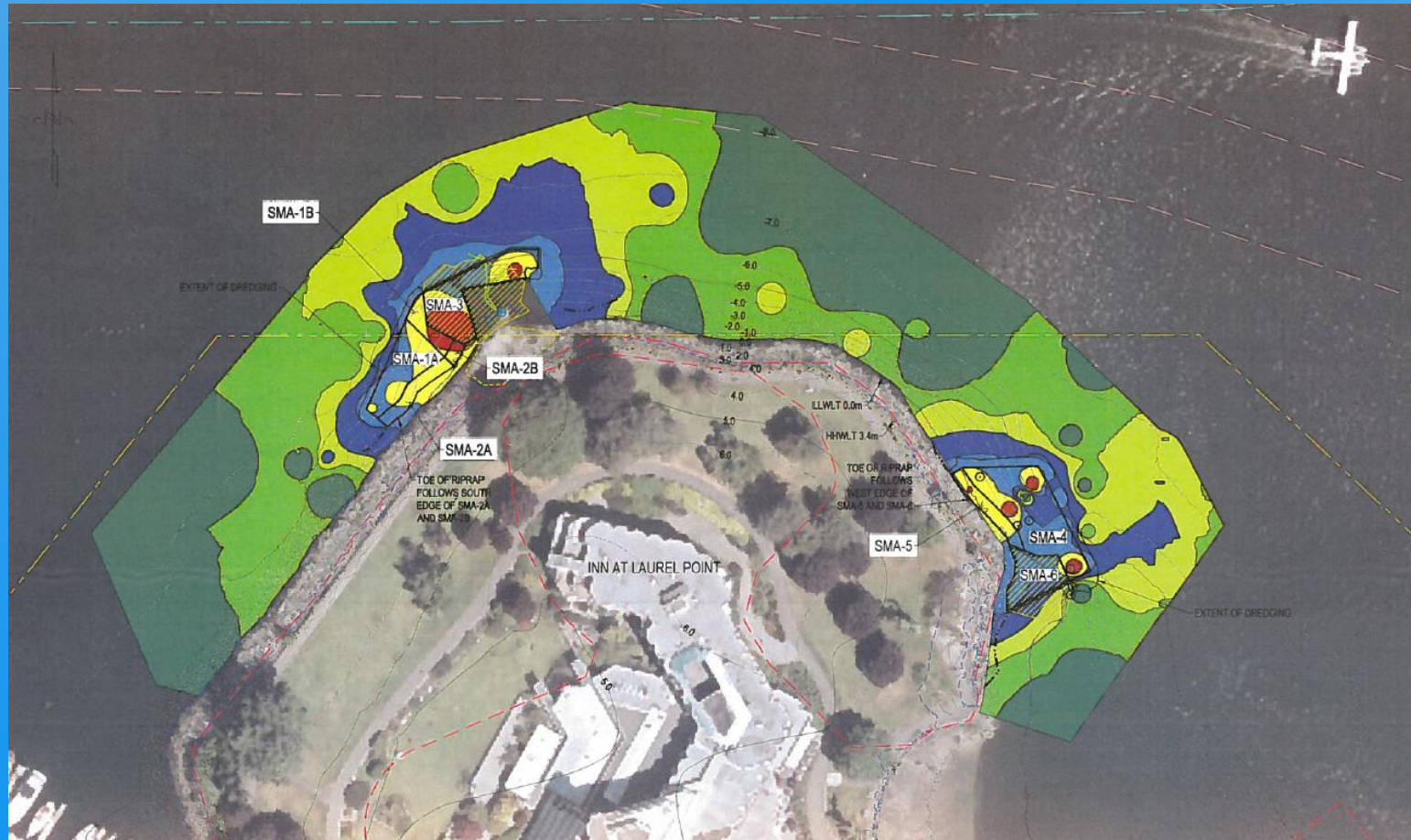
- BAPCO Paint Factory was in operation for 74 at Laurel Point
- During that time there was likely spills and possible dumping in the ocean
- Resulted in a contaminated seabed around Laurel Point
- PCBs banned in 1970s

# Middle Harbour Remediation Dredging

- Contract awarded to Milestone Contractors partnered with FRPD
- Contract amount: \$5.3 million
- Scope of work:
  - Dredging of contaminated sediment
  - Offsite treatment of these sediments
  - Disposal of treated material
  - Backfilling and capping of seabed with selected materials
- Construction period: 4 months



# Middle Harbour Remediation Dredging



HEAT MAP OF THE CONCENTRATION OF POLLUTANTS

# Middle Harbour Remediation Dredging

“Undertaking the remediation of Victoria’s [harbour] demonstrates our government’s ongoing commitment to cleaning up contaminated sites and protecting the marine environment,” Minister of Transport Marc Garneau said in a statement.

“This work is important for the well-being of the marine wildlife that call Victoria Harbour their home and feeding ground.”

Source: Michael Reid, Times Colonist, November 5, 2017





 **MDG Engineering**  
Marine and Infrastructure Solutions

 **Golder  
Associates**

  
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