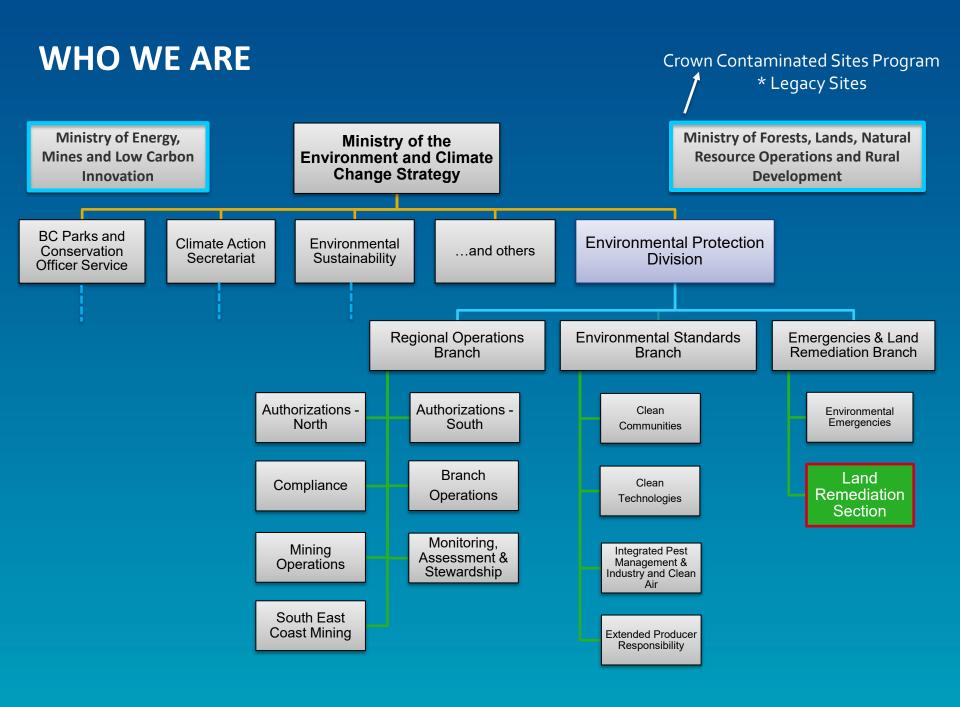
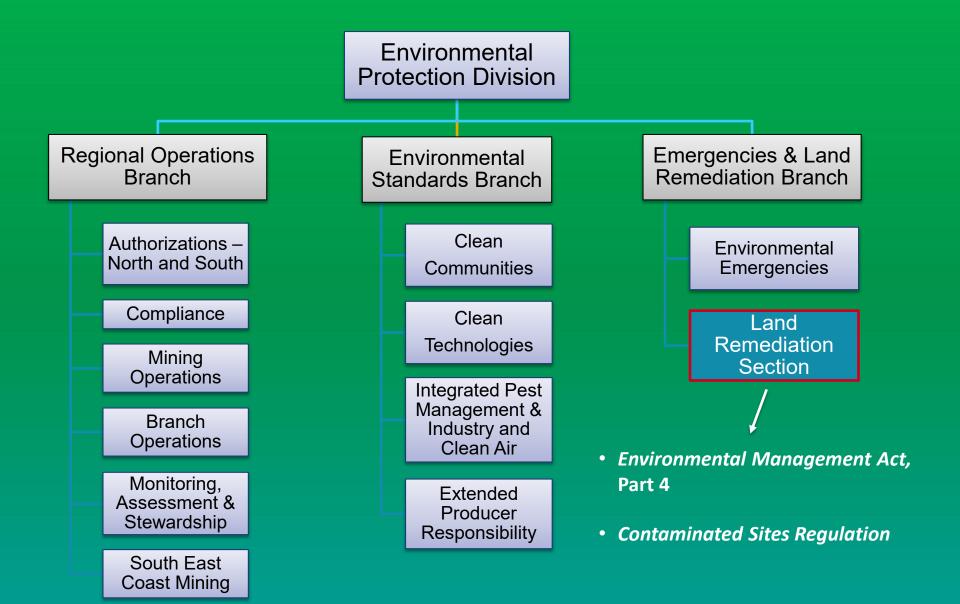
ENGAGEMENT ON REMEDIATION OF CONTAMINATED SITES IN BC

Land Remediation Section



Ministry of Environment and Climate Change Strategy





ENGAGEMENT ON REMEDIATION OF CONTAMINATED SITES IN BC

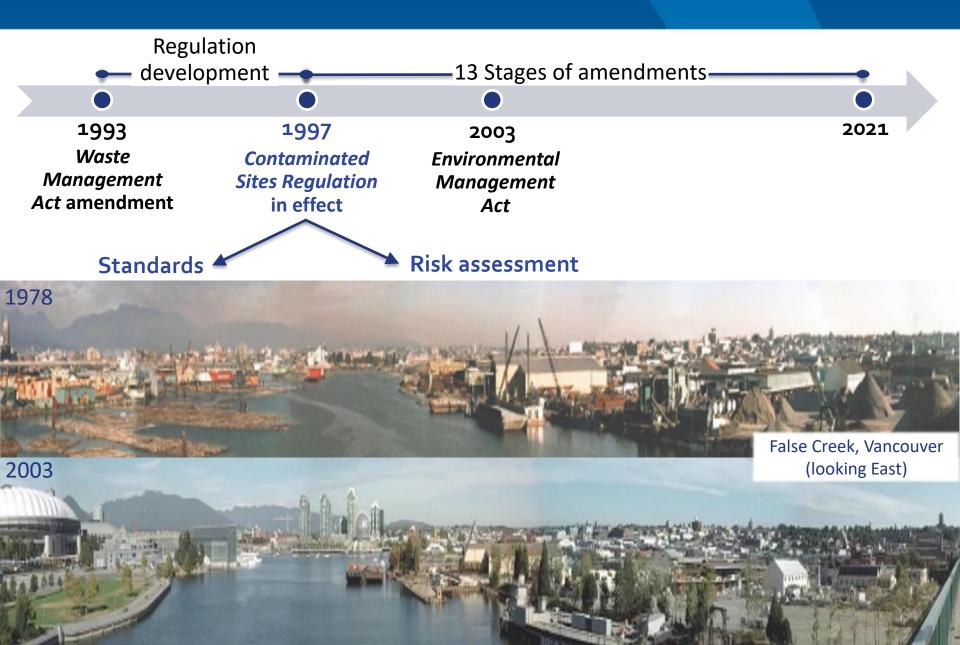
Session 1: Risk Assessment of Contaminated Sites

KIRSTIN WEBSTER Senior Risk Assessment Officer Land Remediation Section



Ministry of Environment and Climate Change Strategy

1993 TO PRESENT



CONTAMINATED SITES LEGISLATION OBJECTIVES



✓ Protect human health

Risks to drinking water sources, contaminated soils and water, etc.

\checkmark Protect the environment

- →Aquatic and terrestrial habitat, surface water quality, etc.
- ✓ Determine who's responsible
- ✓ Increase market confidence

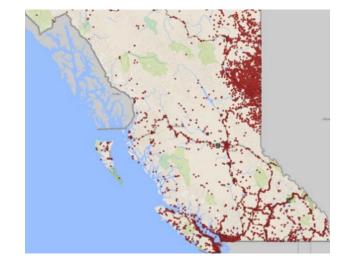


WHAT IS A CONTAMINATED SITE? WHY CLEAN IT UP?

A contaminated site is *essentially...*

... an area with chemical concentrations in soil, water, soil vapour, or sediment above the standards listed in the Regulation



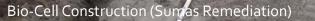


- → To protect human health and the environment
- ➡ To get land back into use



WHAT IS CONTAMINATED SITE REMEDIATION?

Langley Drug Lab (orphan site)



Britannia Mine Water Treatment Plant (Infrastructure BC)

INNNE

eotechnical/lime-soil-stabilization-method/27105/

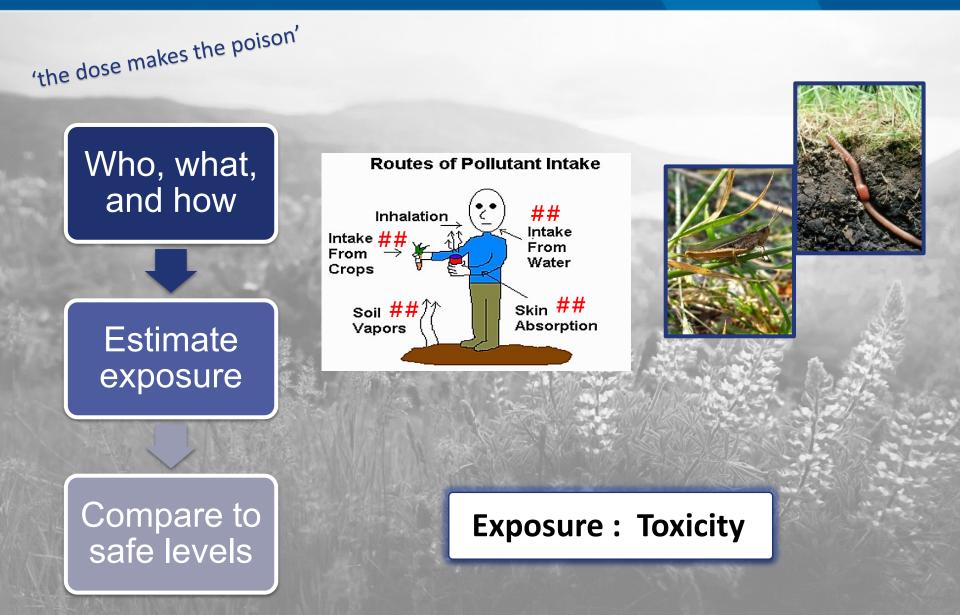
WHAT IS RISK ASSESSMENT?





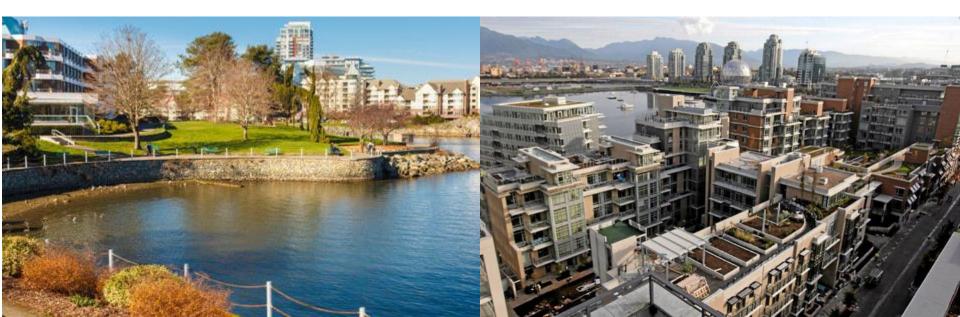
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HOW IS RISK ASSESSED?

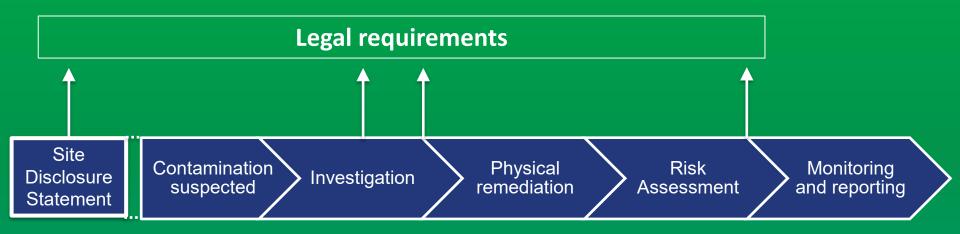


Acceptable vs. unacceptable risks are based on exposure assumptions:

- Land use \rightarrow Receptor and exposure
- Risk controls



SUMMARY



Thank you!

Questions?

DISCUSSION TIME

How would you like to be engaged when risk assessments are being conducted for sites on your lands?

Examples

- Would you want to be notified if a site was using risk assessment as part of site remediation?
- At what stage of the risk assessment do you want to be involved?
- What level of information would you want? The location and a summary for the site? Or, full reports with detailed chemistry data, etc.?
- What valuable features do you want to protect and include in the risk assessment?