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A restoration and climate change resiliency monitoring program for coastal BC estuaries

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**PROGRAM OBJECTIVES**

1. Assess vulnerability to sea-level rise
2. Monitor long-term estuarine health
3. Restore natural estuarine ecosystems
4. Build relationships

**ASSESS SEA-LEVEL RESILIENCY**

- Install Rod Surface Elevation Tables (rSET fine scale elevation changes)
- Install Data Loggers (temperature, conductivity, water level)
- Apply MARS (Marsh Resilience to Sea-Level Rise) ranking tool (Raposa et al., 2016)

**MONITOR ESTUARINE HEALTH**

- Benthic macrofauna
- Marsh vegetation transects
- Coastal Waterbird Surveys
- Shorebird surveys
- Fish surveys, snorkel, seine

**RESTORE ESTUARINE ECOSYSTEMS**

- Remove dyke, berms
- Restore drainage channels
- Remove invasive plants
- Restore Lyngbye’s sedge

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- Remove dyke