

10 Ecology

Summary of Proposals

Fraser River Foreshore

- **Western Section (currently high value habitat)**
 - Preservation of existing mudflats, marshes and trees
 - Creation of new marsh habitat
 - Creation of 'Sanctuary Island' for wildlife with no human access
 - Creation of tidal channel for salmon-rearing and other wildlife habitat
- **Central Section (currently low value habitat)**
 - Creation of new marsh habitat
 - Creation of marsh, beach and riverside grass habitat in 'Mill Bay'
- **Eastern Section (currently moderate value habitat)**
 - Creation of new marsh habitat
 - Planting of new riverside trees and shrubs
 - Creation of a tidal slough for salmon-rearing and other wildlife habitat

Wetlands

- The Application proposes to compensate for the loss of the existing wetland ('beaver pond') by the creation of a new freshwater wetland within the western foreshore with better links to the river habitat to maximise wildlife opportunities.
- Additional wetlands are proposed within the 'Kinross' ecological corridor.

Watercourses

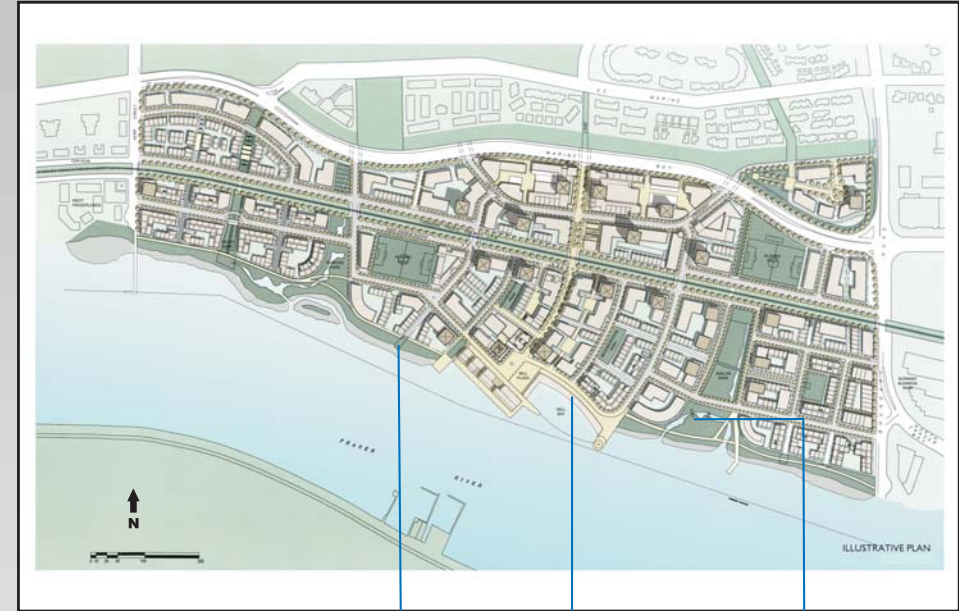
- A seasonal watercourse is proposed within the 'Kinross' ecological corridor fed by stormwater.
- A year-round watercourse is proposed within the Avalon 'Park' corridor fed by water currently flowing underground from Avalon Pond in Everett Crowley Park.
- The watercourses will provide habitat for amphibians and other wildlife.

Songbirds

- Landscape planting within the 'Kinross' and Avalon 'Park' corridors, at the foreshore and within residential areas will be designed to maximise opportunities for songbird nesting and foraging.



'Kinross' Ecological Corridor



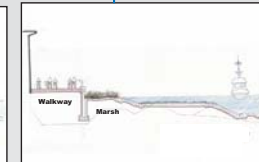
ILLUSTRATIVE PLAN



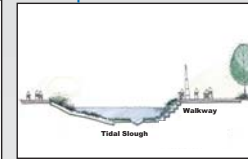
'Kinross' Corridor Section



Foreshore Park Section



'Mill Bay' Section

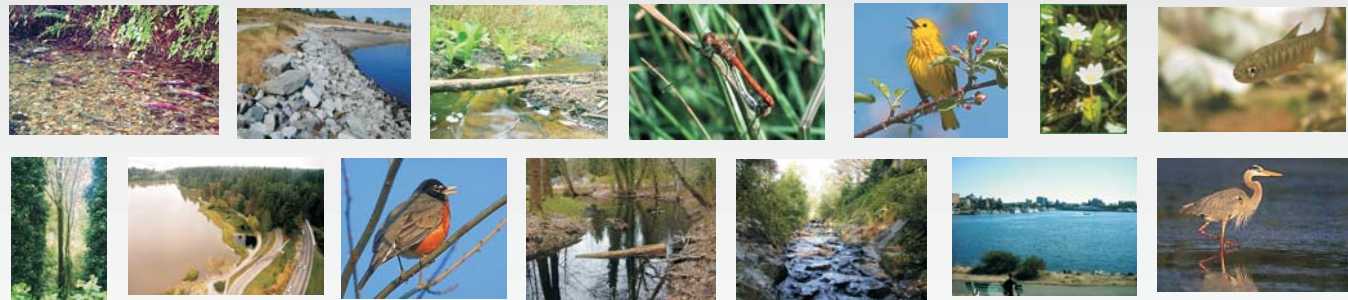


Tidal Slough Section

Fraser River Foreshore site showing the FkEMP shoreline classification

Framp Shoreline Habitat Classification

- **Red-Coded Shoreline**
High productivity habitat consisting of productive and diverse habitat features that support critical fish and wildlife functions.
- **Yellow-Coded Shoreline**
Moderate productivity habitat consisting of reduced or limited productive and diverse habitat features that support important fish and wildlife functions.
- **Green-Coded Shoreline**
Low productivity habitat where features and functions are limited due to the industrial activity that occurred on the site in the past.



Drawings by:
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