

## Glenrose Tidal Marsh Project

### Description, location and size

The Glenrose Tidal Marsh Project sites are located in North Delta on the Fraser River (south arm), upstream of the Alex Fraser Bridge. The sites are located in the vicinity of the former Glenrose Cannery site. The project involved the creation of intertidal freshwater marsh habitat at three locations: Glenrose Downstream, Glenrose Cannery and Gunderson Mudflat. The gross area of the three tidal marsh sites is approximately 15,550 square metres (1.55 hectares).

### Rationale

The Vancouver Fraser Port Authority undertook this project to improve the overall productivity of the Fraser River between the Alex Fraser Bridge and Gunderson Slough, by providing high-quality habitat for juvenile salmon rearing and other fish and wildlife. The project was also undertaken in response to requests from Indigenous groups to protect archaeological values, as some of the sites had been subject to degradation from erosion and the illegal collection of artifacts and archaeological material.



Locations of the three intertidal freshwater marsh sites; Gunderson Mudflat, Glenrose Cannery and Glenrose Downstream

## Overview of completed project

Habitat enhancement work on the Glenrose Tidal Marsh Project began in April 2014 and was completed in September 2014. Work at the three sites included brush clearing, slope protection, placement of containment berms, channel dredging, and elevation of the substrate for the establishment of marsh habitat using locally-dredged sediments. Planting of marsh vegetation (Lyngbye's sedge, slough sedge, spikerush, tapered rush, Baltic rush, wapato, hardstem bulrush and cattail) was completed in September 2014. The port authority annually monitors the sites to ensure that the project's biophysical objectives are met.



Looking downstream at the Gunderson Mudflat site (2022)



Site conditions at Gunderson Cannery (2021)



Site conditions at Glenrose Downstream (2021)

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## For more information

Project website: [portvancouver.com/projects/habitat-restoration/glenrose-tidal-marsh-project/](https://portvancouver.com/projects/habitat-restoration/glenrose-tidal-marsh-project/)

Habitat enhancement program: [portvancouver.com/projects/habitat-restoration/](https://portvancouver.com/projects/habitat-restoration/)

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