

Larsen Creek

In the Larsen Creek catchment area a considerable amount of surface runoff water goes under the surface through fractured rock, and resurfaces in the Horseshoe Bay area. This contributes to low water flows in Larsen Creek in the summer. The low water-flow period in August is most critical to fish living below the existing Highway 99 near Horseshoe Bay.

Increased water flows and water quality enhancements will be achieved by:

- Redirecting surface flows directly into the upper end of the Larsen Creek wetland area rather than allowing the drainage to go under the surface (upon regulatory agency approval)

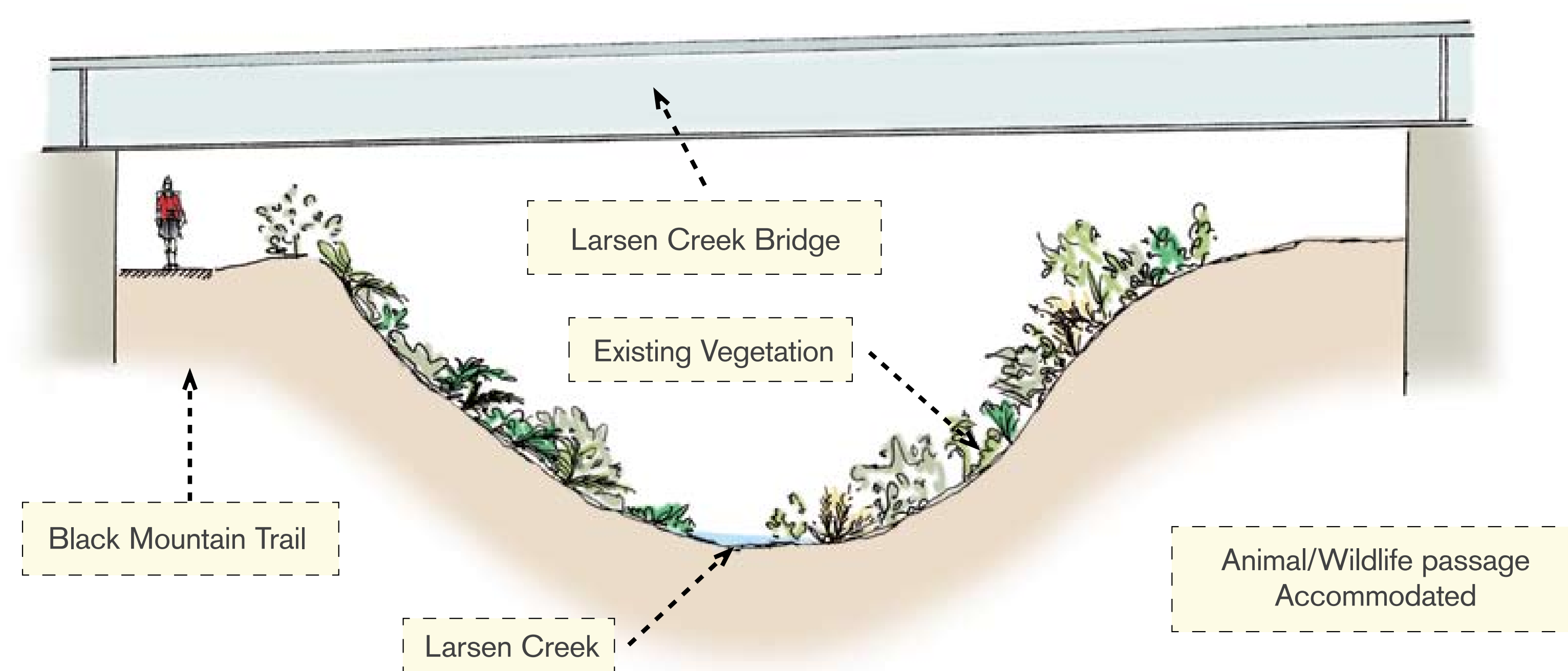
- Planting vegetation on embankments on the downslope side in order to contain the water in the rock embankment material
- Designing elevated culverts to redirect base water flows so that they enter the embankment (increased water retention)
- Developing a storm water control and water quality system at the Eagleridge Interchange
- Lining existing offsite highway ditches with topsoil and grass (biofiltration)



- West Vancouver segment will avoid encroachment of the wetted area of the wetlands
- Highway requires removal of some mature trees to the west of the alignment

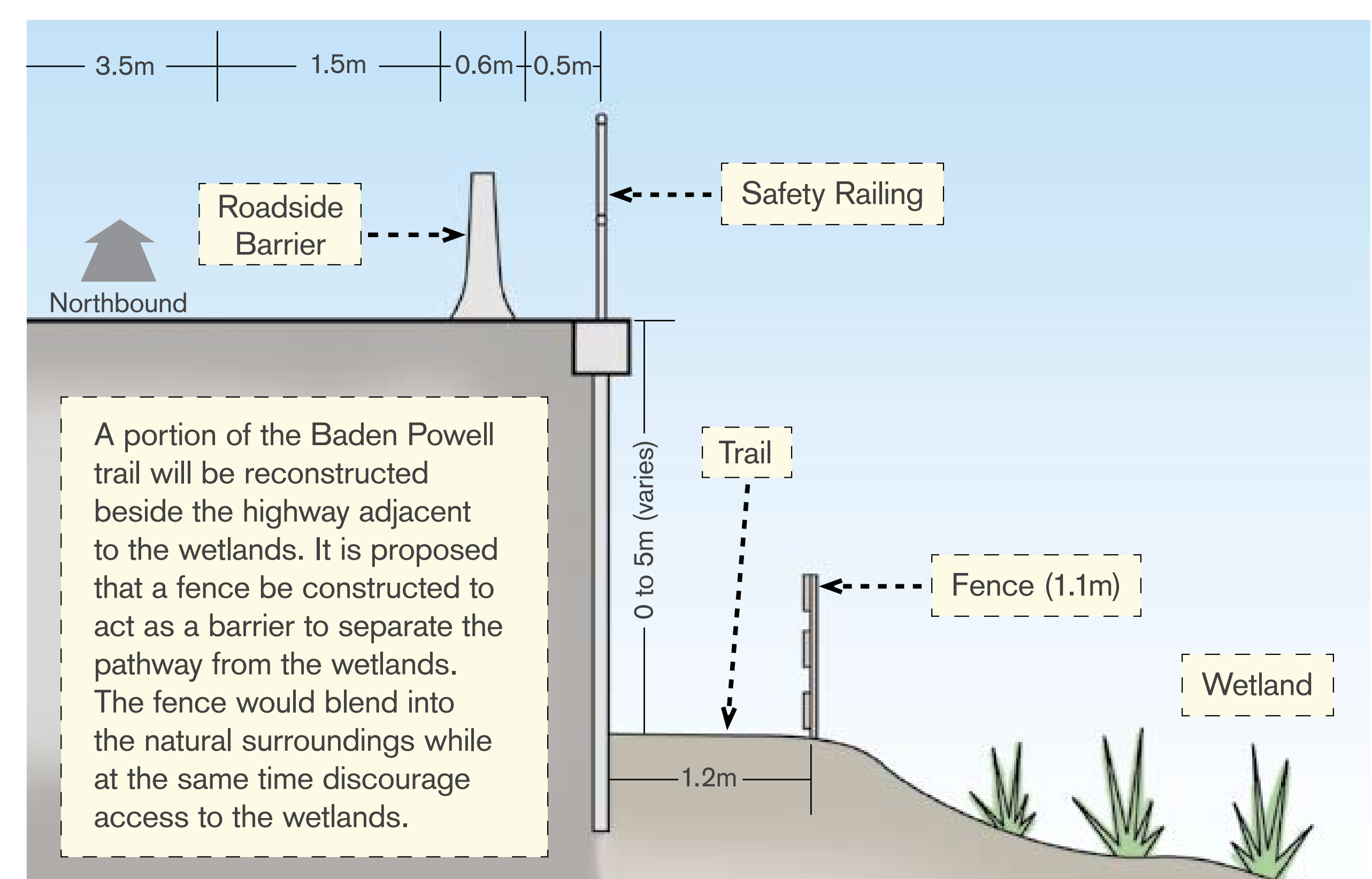
- Culverts will be installed under highway in this area for amphibian and small animal passage

Larsen Creek Bridge (Looking Downstream)



- Clear span bridge
- Spans creek and streamside vegetation
- Accommodates Larsen Creek and Black Mountain Trail
- Allows for hikers and wildlife to pass under the bridge

Baden-Powell Trail Adjacent Highway



Fencing Option 1



Fencing Option 2