

# Roadway Stream Crossing Assessment

## Jennie Webber Creek at Cross Country Road

### Crossing description:

- ◆ Road condition has been impassable since 2021
- ◆ There are two culverts at this site, one of 4 ft diameter and one of 5.5 ft diameter
- ◆ Both structures show severe deterioration from corrosion or abrasion (more than 50% of the 4 ft structure is rusted through)
- ◆ Both structures show ongoing major subsurface erosion/piping (water flowing around the structure) and partial fill failure
- ◆ Water velocity was measured at 4.9 ft/sec in May 2022. A velocity in excess of 3 ft/sec causes a barrier to movement of fish and other aquatic organisms



*Road surface looking downstream May 2022*

### Other factors to consider:

- ◆ Jennie Creek, a tributary of Jennie Webber Creek, is a Class 2 trout stream
- ◆ For the stream size they serve, both structures are undersized
- ◆ Structures do not meet buried depth standards



*Road condition spring 2021*



## Stella 2 Crossing – Jennie Webber Creek at Cross Country Road



*Road surface over inlet May 2022*



*Condition of 4 ft diameter culvert*



*Condition of 4 ft diameter culvert*