**RAPID STREAM ASSESSMENT (RSAT)**

**Date:** Oct 31st, 2024 **Site:** Foxley River East **Crew:** Kim, Rory, Liam, Owen

**Location:** Reach 6 **GPS:** N: 46.68676**0** W: -64.00217**0**

**Weather Description:** Partly Sunny 6०C **Recorder:** Kim Curran



|  | **Excellent** | **Good** | **Fair** | **Poor** | **Points** |
| --- | --- | --- | --- | --- | --- |
| **Channel Stability** | **9 - 11** | **6 - 8** | **3 - 5 0 - 2** | | **8** |
| **Scour / Deposition** | **7 - 8** | **5 - 6** | **3 - 4 0 - 2** | | **8** |
| **Instream Habitat** | **7 - 8** | **5 - 6** | **3 - 4 0 - 2** | | **6** |
| **Water Quality** | **7 - 8** | **5 - 6** | **3 - 4 0 - 2** | | **8** |
| **Riparian Conditions** | **6 - 7** | **4 - 5** | **2 - 3 0 - 1** | | **5** |
| **Biological Indicators** | **7 - 8** | **5 - 6** | **3 - 4 0 - 2** | | **8** |
|  |  |  | **Total:** | | **43** |

**Stability Rankings: <20 = LOW 20 - 35 = MODERA TE <35 = HIGH**

# **Channel Dimensions (Measured / Estimated)**

**Bankfull Width (m):** 2.4 m **Bankfull Depth (m):** 0.70 m

**Wetted Width (m):** 1.7 m  **Wetted Depth (m):** 0.15 m

**Gradient:** downhill **Entrenchment (m):** 3.9 m

## **Substrate (Pool):** gravel, sand, silt, sediment **Substrate (Riffle):** sand, cobble, pebble

## **Straight / Sinuous:** sinuous **Bend Radius:** 3 m

## **Bank Height (m):** 0.70 m **Bank Angle (0):** 80**0**

**Bank Material:** clay, sand, shrub/tree roots **Vegetation:** grass, moss, shrubs, trees

**Pool - Riffle Spacing (m):** 5.25 m **Woody Debris:** yes

## **Channel Hardening:** 90% hardening past sediment trap.

## **Channel Disturbance:** Culvert replaced with span bridges at beginning of Reach 5.

## **Distance Walked:** 30.48 m **Photos Taken:** #9997 - #0001

**Comments:** Sediment trap will be checked in spring 2025 to determine if dig needed. Remainder of stream to Milligans Pond will be documented in the spring of 2025.