**RAPID STREAM ASSESSMENT (RSAT)**

**Date:** Oct 30th, 2024 **Site:** Foxley River East **Crew:** Kim, Rory, Liam, Owen

**Location:** Reach 1 **GPS:** N: 46.68002**0** W: -64.00085**0**

**Weather Description:** Partly Sunny 4०C **Recorder:** Kim Curran



|  | **Excellent** | **Good** | **Fair** | **Poor** | **Points** |
| --- | --- | --- | --- | --- | --- |
| **Channel Stability** | **9 - 11** | **6 - 8** | **3 - 5 0 - 2** | | **5** |
| **Scour / Deposition** | **7 - 8** | **5 - 6** | **3 - 4 0 - 2** | | **5** |
| **Instream Habitat** | **7 - 8** | **5 - 6** | **3 - 4 0 - 2** | | **7** |
| **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:** | | **38** |

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

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

**Bankfull Width (m):** 1.71 m **Bankfull Depth (m):** 0 .61 m

**Wetted Width (m):** 1.4 m  **Wetted Depth (m):** 0.46 m

**Gradient:** downhill **Entrenchment (m):** 1.82 m

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

## **Straight / Sinuous:** sinuous **Bend Radius:** 3.25 m

## **Bank Height (m):** 0.58 m **Bank Angle (0):** 45**0**

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

**Pool - Riffle Spacing (m):** 6.04 m **Woody Debris:** yes

## **Channel Hardening:** 60% hardening with 40% sediment in pools due to not being able to access upstream.

## **Channel Disturbance:** Blockages upstream from start of reach 1. Span bridge installed at end of reach 1.

## **Distance Walked:** 30.48 m **Photos Taken:** #9927 - #9937

**Comments:** Area upstream is not accessible as permission was not granted by the property owner. Blockages and fallen trees noted. Reach began at the property line as permission was granted by the adjacent landowner. A new span bridge was installed at the end of reach 1 in 2023 and has corrected the connectivity of the stream.