**RAPID STREAM ASSESSMENT (RSAT)**

**Date:** Nov 4th, 2024 **Site:** Enmore River **Crew:** Kim, Rory, Liam, Owen

**Location:** Reach 1 **GPS:** N: 46.63115**0** W: -64.02003**0**

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



|  | **Excellent** | **Good** | **Fair** | **Poor** | **Points** |
| --- | --- | --- | --- | --- | --- |
| **Channel Stability** | **9 - 11** |  **6 - 8** |  **3 - 5 0 - 2** | **9** |
| **Scour / Deposition** |  **7 - 8** |  **5 - 6** |  **3 - 4 0 - 2** | **8** |
| **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** | **7** |
|  |  |  | **Total:** | **44** |

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

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

**Bankfull Width (m):** 4.88 m **Bankfull Depth (m):** 1.07 m

**Wetted Width (m):** 3.5 m  **Wetted Depth (m):** 0.24 m

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

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

## **Straight / Sinuous:**  sinuous  **Bend Radius:** 4.25 m

## **Bank Height (m):** 0.98 m **Bank Angle (0):** 45**0**

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

**Pool - Riffle Spacing (m):** 4.9 m **Woody Debris:** yes

## **Channel Hardening:** 80% hardening with 20% sediment in deep pools.

## **Channel Disturbance:** There is an old culvert laying on the side of the stream at 1100 ft mark. This will be removed during the summer of 2025.

## **Distance Walked:** 823 m **Photos Taken:** #0102 - #0141

**Comments:** There is a culvert at 1100 ft that needs to be removed. There is a trail camera installed at 700 ft.