**RAPID STREAM ASSESSMENT (RSAT)**

**Date:** Nov 6th, 2024 **Site:** Bideford River **Crew:** Kim, Rory, Liam, Owen

**Location:** Reach 1 **GPS:** N: 46.59876**0** W: -63.95326**0**

**Weather Description:** Overcast 14०C **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** | **5** |
| **Instream Habitat** |  **7 - 8** |  **5 - 6** |  **3 - 4 0 - 2** | **8** |
| **Water Quality** |  **7 - 8** |  **5 - 6** |  **3 - 4 0 - 2** | **8** |
| **Riparian Conditions** |  **6 - 7** | **4 - 5** |  **2 - 3 0 - 1** | **3** |
| **Biological Indicators** |  **7 - 8** |  **5 - 6** |  **3 - 4 0 - 2** | **5** |
|  |  |  | **Total:** | **37**  |

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

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

**Bankfull Width (m):** 4.57 m **Bankfull Depth (m):** 0 .79 m

**Wetted Width (m):** 2.4 m  **Wetted Depth (m):** 0.11 m

**Gradient:** downhill **Entrenchment (m):** 10.1 m

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

## **Straight / Sinuous:**  sinuous  **Bend Radius:** 11 m

## **Bank Height (m):** 0.79 m **Bank Angle (0):** 90**0**

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

**Pool - Riffle Spacing (m):** 11 m **Woody Debris:** yes

## **Channel Hardening:** 85% hardening

## **Channel Disturbance:** Concrete culvert at Dystant Road at the start of Reach 1.

## **Distance Walked:** 152.4 m **Photos Taken:** #0149 - #0155

**Comments:** Reach 1 was ended due to steep bank sides. Reach 2 began after 152.4 m.