**RAPID STREAM ASSESSMENT (RSAT)**

**Date:** Nov 7th, 2024 **Site:** Bideford River **Crew:** Kim, Rory, Liam, Owen

**Location:** Reach 3 **GPS:** N: 46.60039**0** W: -63.94671**0**

**Weather Description:** 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** | | **6** |
| **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** | | **8** |
|  |  |  | **Total:** | | **41** |

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

**Channel Dimensions (Measured / Estimated)**

**Bankfull Width (m):** 2.7 m **Bankfull Depth (m):** 0.85 m

**Wetted Width (m):** 2.4 m  **Wetted Depth (m):** 0.21 m

**Gradient:** downhill **Entrenchment (m):** 6 m

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

## **Straight / Sinuous:** sinuous **Bend Radius:** 12.8 m

## **Bank Height (m):** 1.1 m **Bank Angle (0):** 45**⁰** - 30**0**

**Bank Material:** rock, soil, shrub/tree roots **Vegetation:** grass, shrubs, trees

**Pool - Riffle Spacing (m):** 15 m **Woody Debris:** major debris

## **Channel Hardening:** 70% hardening, 30% softening heading toward estuary

## **Channel Disturbance:** Hydraulic mark is a bridge leading off of Confederation Trail. Reach 3 ends at the Ellerslie Dam/Fishladder.

## **Distance Walked:** 1,432 m **Photos Taken:** #0206 - #0274

**Comments:** The stream is wide with beautiful ripple sections throughout. Banks in the entrenchment are are very high 6-9 m. There are many areas to be cleaned up, ie. trail maintenance and blockage removal.