**RAPID STREAM ASSESSMENT (RSAT)**

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

**Location:** Reach 2 **GPS:** N: 46.59918**0** W: -63.95244**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** | | **8** |
| **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** | | **6** |
|  |  |  | **Total:** | | **51** |

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

**Channel Dimensions (Measured / Estimated)**

**Bankfull Width (m):** 5.49 m **Bankfull Depth (m):** 1.1 m

**Wetted Width (m):** 3.11 m  **Wetted Depth (m):** 0.18 m

**Gradient:** downhill **Entrenchment (m):** 6.3 m

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

## **Straight / Sinuous:** sinuous **Bend Radius:** 11.5 m

## **Bank Height (m):** 1.1 m **Bank Angle (0):** 90**0**

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

**Pool - Riffle Spacing (m):** 9.14 m **Woody Debris:** yes

## **Channel Hardening:** 80% hardening

## **Channel Disturbance:** Blockage at 2500 ft. Active dam, therefore sediment noted 2200 ft up to blockage.

## **Distance Walked:** 823 m **Photos Taken:** #0156 - #0190

**Comments:** Beavers noted via trail camera 60 ft from end of Reach 2 by the Confederation Trail. Dam was notched on Nov 6th, 2024 and was built back up by beavers Nov 7th, 2024. Trapper notified and permission was obtained from landowner to trap beavers. Water is escaping upland going around dam and back out to stream. The blockage will need removal after trapper.