

# Fishers Pond Brook

NF02ZF1325

Ecoregion: South Avalon-Burin Oceanic Barren

## Site Description

| Eco-zone:     | KYW Basin Name: | Date:     | Riffle in Reach | Rapid in Reach | Straight Run in Reach | Pool in Reach |
|---------------|-----------------|-----------|-----------------|----------------|-----------------------|---------------|
| Boreal Shield | Fortune Bay     | 9/10/2025 | Yes             | No             | No                    | Yes           |

## Channel Data

| Bank Full Width (m) | Wetted Width (m) | Avg Velocity (m/s) | Max Velocity | Avg Channel Depth (cm) | Max Channel Depth (cm) | Bankfull-Wetted Depth (cm) | Slope (m/m) |
|---------------------|------------------|--------------------|--------------|------------------------|------------------------|----------------------------|-------------|
| 7                   | 6.65             | 0.216667           | 0.36         | 11.583333              | 19                     | 13                         | 0.00385     |

## Water Chemistry

| pH                        | Specific Conductance (µS/cm)    | Bottom Dissolved Oxygen (mg/L) | Temperature (°C) | Turbidity (NTU) | Copper (mg/L) | Iron (mg/L) | Lead (mg/L) | Zinc (mg/L) |
|---------------------------|---------------------------------|--------------------------------|------------------|-----------------|---------------|-------------|-------------|-------------|
| 6.9                       | 48.6                            | 9.36                           | 20.815           | 0.14            | 0.00013       | 0.125       | 0.00002     | 0.00024     |
| Dissolved Chloride (mg/L) | Total Phosphorus (Water) (mg/L) | Nitrate (mg/L)                 | Nickel (mg/L)    |                 |               |             |             |             |
| 8.7                       | 0.003                           | 0.03                           | 0.000066         |                 |               |             |             |             |

## Substrate

| Dominant Substrate | 2nd Dominant Substrate | Surrounding Material | Embeddedness | Median Particle Size (cm) | Geometric Mean Particle Size (cm) |
|--------------------|------------------------|----------------------|--------------|---------------------------|-----------------------------------|
| 6.4-12.8 cm        | 12.8-25.6cm            | 0.2-1.6 cm           | 25% Embedded | 9                         | 8.1                               |

## Surrounding Vegetation

| Presence of Grasses | Presence of Shrubs  | Presence of Deciduous Trees | Presence of Coniferous Trees | Dominant Streamside Vegetation |
|---------------------|---------------------|-----------------------------|------------------------------|--------------------------------|
| Yes                 | Yes                 | No                          | No                           | shrubs                         |
| % Canopy Coverage   | Periphyton Coverage |                             |                              |                                |
| 1-25%               | 5-20mm thick        |                             |                              |                                |

