

Southwest Brook below Southwest Pond

NF02ZE0033

CENTRAL



Site Description

Site Code	NF02ZE0033
Name	Southwest Brook
Date Sampled	Oct. 8, 2008
Ecoregion(s)	Maritime Barrens
Stream Order	4
Basin	Southwest Brook
Sampled By	NL
Accessibility	Sampled upstream from water treatment plant at Conne River, 20 m downstream of Real-Time hut.

Channel Data

Bankful Width	4.35 m
Wetted Width	2.36 m
Avg. Velocity	0.04 m/s
Max. Velocity	0.08 m/s
Avg. Channel Depth	20.2 cm
Max. Channel Depth	32.0 cm
Bankfull-Wetted Depth	30 cm
Slope	n/a

Substrate

Dominant Substrate	large cobble
2nd Dominant Substrate	boulder
Surrounding Material	large pebble
Embeddedness	n/a
Median Particle Size	28.75 cm
Geometric Mean Particle Size	17.70 cm
Photo of Substrate	

Substrate Size Class Categories: Organic cover; Sand/silt/clay (< 0.1 cm); Coarse sand (0.1 - 0.2 cm); Gravel (0.2 - 1.6 cm); Small pebble (1.6 - 3.2 cm); Large pebble (3.2 - 6.4 cm); Small cobble (6.4 - 12.8 cm); Large cobble (12.8 - 25.6 cm); Boulder (> 25.6 cm); Bedrock.

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X			
Surrounding Vegetation (D=dominant)			
Ferns/Grasses	Shrubs	Deciduous Trees	Coniferous Trees
X	X	X	X (D)
Canopy Coverage		1-25 %	
Macrophyte Coverage		0 %	
Periphyton Coverage		>20 mm thick	

Water Chemistry

Parameter	Value	Units
pH	5.29	pH units
Conductivity	14.9	uS/cm
Dissolved Oxygen	12.23	mg/L
Temperature	8.08	°C
Turbidity	0.6	NTU
Copper	0.3	ug/L
Iron	0.24	mg/L
Lead	0.1	ug/L
Zinc	1.2	ug/L
Chloride	2.5	mg/L
Phosphorous (Total)	0.004	mg/L
Nitrate	<0.02	mg/L
Nickel	0.7	ug/L