

Virginia River at Headwaters

NF02ZM0098

EASTERN



Site Description

Site Code	NF02ZM0098
Name	Virginia River
Date Sampled	Oct. 30, 2008
Ecoregion(s)	Maritime Barrens
Stream Order	1
Basin	Virginia River
Sampled By	NL/NAACAP
Accessibility	Sampled in forested area near subdivision.

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X		X	
Surrounding Vegetation (D=dominant)			
Ferns/Grasses	Shrubs	Deciduous Trees	Coniferous Trees
X (D)	X		X
Canopy Coverage		1-25 %	
Macrophyte Coverage		1-25 %	
Periphyton Coverage		1-5 mm thick	


Channel Data

Bankful Width	2.12 m
Wetted Width	1.78 m
Avg. Velocity	0.20 m/s
Max. Velocity	0.22 m/s
Avg. Channel Depth	11.83 cm
Max. Channel Depth	16.50 cm
Bankfull-Wetted Depth	20 cm
Slope	n/a

Water Chemistry

Parameter	Value	Units
pH	4.91	pH units
Conductivity	40.4	uS/cm
Dissolved Oxygen	9.74	mg/L
Temperature	9.15	°C
Turbidity	0.5	NTU
Copper	<0.2	ug/L
Iron	0.49	mg/L
Lead	<0.1	ug/L
Zinc	0.9	ug/L
Chloride	8.19	mg/L
Phosphorous (Total)	0.006	mg/L
Nitrate	<0.02	mg/L
Nickel	0.3	ug/L

Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large pebble
Surrounding Material	boulder
Embeddedness	n/a
Median Particle Size	5.25 cm
Geometric Mean Particle Size	6.90 cm
Photo of Substrate	
<small>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.</small>	