

Northeast River near Placentia

NF02ZK0005

EASTERN



Site Description

Site Code	NF02ZK0005
Name	Northeast River
Date Sampled	October 10, 2023
Ecoregion(s)	Maritime Barrens
Stream Order	4
Basin	Northeast River
Sampled By	NL
Accessibility	Sampled 20 m downstream of bridge on dirt road just off Route 100, 4.7km east of Dunville.

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	28.5 m
Wetted Width	27.7 m
Avg. Velocity	0.37 m/s
Max. Velocity	0.77 m/s
Avg. Channel Depth	17.12 cm
Max. Channel Depth	25 cm
Bankfull-Wetted Depth	9 cm
Slope	0.019 m/m

Water Chemistry

Parameter	Value	Units
pH	6.35	pH units
Specific Conductivity	43.6	uS/cm
Dissolved Oxygen	10.41	mg/L
Temperature	13.83	°C
Turbidity	0.24	NTU
Copper	0.44	µg/L
Iron	343	µg/L
Lead	0.08	µg/L
Zinc	0.68	µg/L
Chloride	8.8	mg/L
Phosphorous (Total)	0.004	mg/L
Nitrate	0.03	mg/L
Nickel	0.172	µg/L

Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	cobble
Surrounding Material	gravel
Embeddedness	1/4
Median Particle Size	9
Geometric Mean Particle Size	8.9
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>	

Northeast River near Placentia

NF02ZK0005

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Site Description

Site Code	NF02ZK0005
Name	Northeast River
Date Sampled	October 12, 2022
Ecoregion(s)	Maritime Barrens
Stream Order	4
Basin	Northeast River
Sampled By	NL
Accessibility	Sampled 20 m downstream of bridge on dirt road just off Route 100, 4.7km east of Dunville.

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X	X	X	X
Surrounding Vegetation (D=dominant)			
Ferns/Grasses	Shrubs	Deciduous Trees	Coniferous Trees
X	X (D)	X	X
Canopy Coverage		1-25 %	
Macrophyte Coverage		1-25 %	
Periphyton Coverage		0.5-1 mm thick	


Channel Data

Bankful Width	24.8 m
Wetted Width	23.1 m
Avg. Velocity	0.42 m/s
Max. Velocity	0.76 m/s
Avg. Channel Depth	29.1 cm
Max. Channel Depth	64 cm
Bankfull-Wetted Depth	86 cm
Slope	0.018 m/m

Water Chemistry

Parameter	Value	Units
pH	5.59	pH units
Specific Conductivity	41.6	uS/cm
Dissolved Oxygen	11.33	mg/L
Temperature	10.5	°C
Turbidity	0.19	NTU
Copper	0.44	µg/L
Iron	336	µg/L
Lead	0.1	µg/L
Zinc	0.79	µg/L
Chloride	7.9	mg/L
Phosphorous (Total)	0.006	mg/L
Nitrate	0.03	mg/L
Nickel	0.189	µg/L

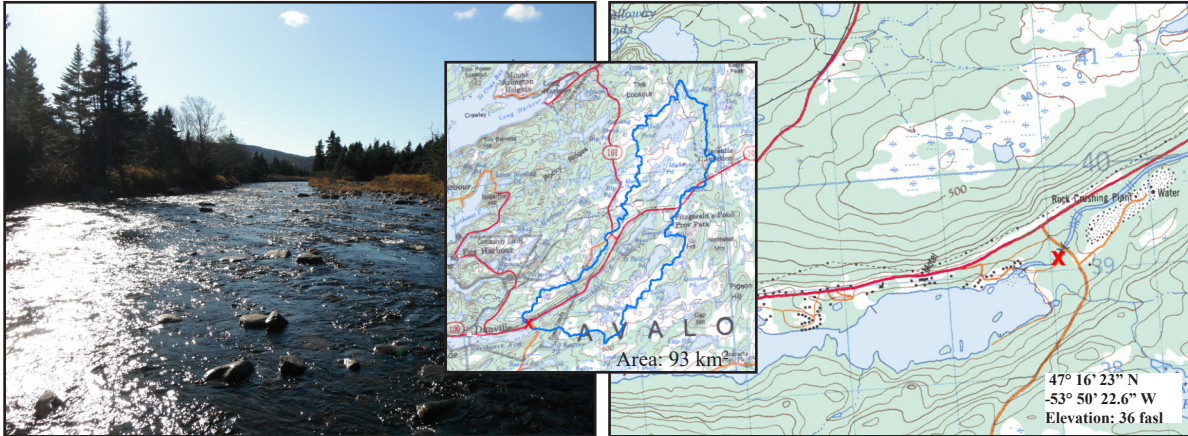
Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large cobble
Surrounding Material	gravel
Embeddedness	1/4
Median Particle Size	11 cm
Geometric Mean Particle Size	10.7 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>	

Northeast River near Placentia

NF02ZK0005

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Site Description

Site Code	NF02ZK0005
Name	Northeast River
Date Sampled	November 4, 2019
Ecoregion(s)	Maritime Barrens
Stream Order	4
Basin	Northeast River
Sampled By	NL
Accessibility	Sampled 20 m downstream of bridge on dirt road just off Route 100, 4.7km east of Dunville.

Reach Data

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

Channel Data

Bankful Width	31 m
Wetted Width	28 m
Avg. Velocity	0.37 m/s
Max. Velocity	0.5 m/s
Avg. Channel Depth	26.8 cm
Max. Channel Depth	50 cm
Bankfull-Wetted Depth	90 cm
Slope	0.01 m/m

Water Chemistry

Parameter	Value	Units
pH	5.46	pH units
Conductivity	42.3	uS/cm
Dissolved Oxygen	11.96	mg/L
Temperature	7.06	°C
Turbidity	0	NTU
Copper	0.38	ug/L
Iron	0.357	mg/L
Lead	0.09	ug/L
Zinc	0.79	ug/L
Chloride	8.6	mg/L
Phosphorous (Total)	0.007	mg/L
Nitrate	0.02	mg/L
Nickel	0.16	ug/L

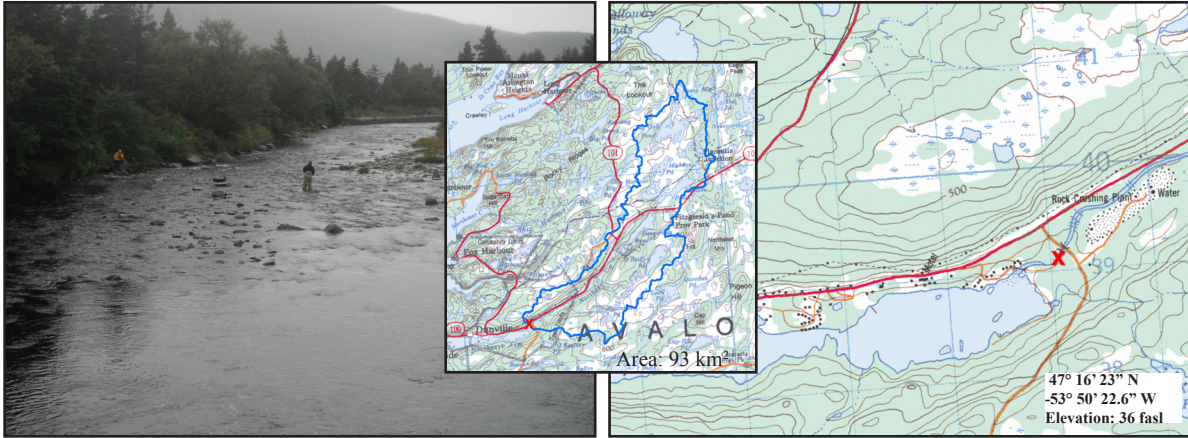
Substrate

Dominant Substrate	large cobble
2nd Dominant Substrate	small cobble
Surrounding Material	gravel
Embeddedness	1/4 embedded
Median Particle Size	8.5 cm
Geometric Mean Particle Size	8 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>	

Northeast River near Placentia

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Site Description

Site Code	NF02ZK0005
Name	Northeast River
Date Sampled	Sept. 27, 2018
Ecoregion(s)	Maritime Barrens
Stream Order	4
Basin	Northeast River
Sampled By	NL
Accessibility	Sampled 20 m downstream of bridge on dirt road just off Route 100, 4.7km east of Dunville.

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	X
Canopy Coverage		1-25 %	
Macrophyte Coverage		1-25 %	
Periphyton Coverage		0.5-1 mm thick	

Channel Data

Bankful Width	30.8 m
Wetted Width	27.2 m
Avg. Velocity	0.50 m/s
Max. Velocity	0.87 m/s
Avg. Channel Depth	18.2 cm
Max. Channel Depth	36.0 cm
Bankfull-Wetted Depth	70 cm
Slope	0.011 m/m

Water Chemistry

Parameter	Value	Units
pH	6.83	pH units
Conductivity	38.8	uS/cm
Dissolved Oxygen	10.52	mg/L
Temperature	11.96	°C
Turbidity	0.7	NTU
Copper	0.4	ug/L
Iron	0.293	mg/L
Lead	0.07	ug/L
Zinc	0.6	ug/L
Chloride	7.7	mg/L
Phosphorous (Total)	0.006	mg/L
Nitrate	<0.02	mg/L
Nickel	0.15	ug/L

Substrate

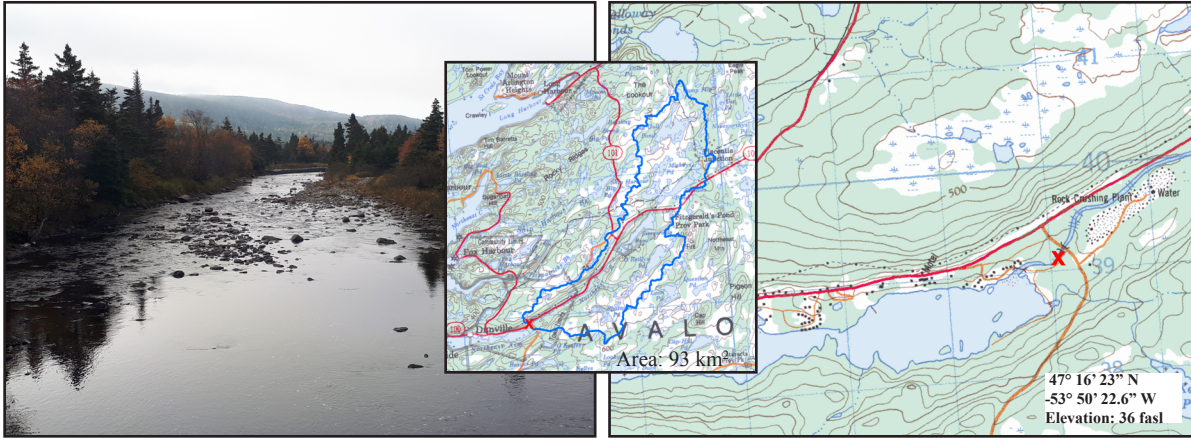
Dominant Substrate	small cobble
2nd Dominant Substrate	large pebble
Surrounding Material	gravel
Embeddedness	1/4 embedded
Median Particle Size	8.5 cm
Geometric Mean Particle Size	8.4 cm
Photo of Substrate	Not available

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.

Northeast River near Placentia

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Site Description

Site Code	NF02ZK0005
Name	Northeast River
Date Sampled	Oct. 25, 2017
Ecoregion(s)	Maritime Barrens
Stream Order	4
Basin	Northeast River
Sampled By	NL
Accessibility	Sampled 20 m downstream of bridge on dirt road just off Route 100, 4.7km east of Dunville.

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	X
Canopy Coverage		1-25 %	
Macrophyte Coverage		1-25 %	
Periphyton Coverage		1-5 mm thick	


Channel Data

Bankful Width	30.5 m
Wetted Width	26.1 m
Avg. Velocity	0.36 m/s
Max. Velocity	0.58 m/s
Avg. Channel Depth	13.7 cm
Max. Channel Depth	26.0 cm
Bankfull-Wetted Depth	60 cm
Slope	0.017 m/m

Water Chemistry

Parameter	Value	Units
pH	6.75	pH units
Conductivity	42.2	uS/cm
Dissolved Oxygen	11.79	mg/L
Temperature	8.21	°C
Turbidity	0.5	NTU
Copper	0.4	ug/L
Iron	0.256	mg/L
Lead	0.06	ug/L
Zinc	0.6	ug/L
Chloride	8.0	mg/L
Phosphorous (Total)	0.006	mg/L
Nitrate	<0.02	mg/L
Nickel	0.17	ug/L

Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large cobble
Surrounding Material	gravel
Embeddedness	unembedded
Median Particle Size	11.0 cm
Geometric Mean Particle Size	9.6 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>	

Northeast River near Placentia

NF02ZK0005

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Site Description

Site Code	NF02ZK0005
Name	Northeast River
Date Sampled	Sept. 22, 2016
Ecoregion(s)	Maritime Barrens
Stream Order	4
Basin	Northeast River
Sampled By	NL
Accessibility	Sampled 20 m downstream of bridge on dirt road just off Route 100, 4.7km east of Dunville.

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X		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		0.5-1 mm thick	


Channel Data

Bankful Width	30.6 m
Wetted Width	27.9 m
Avg. Velocity	0.39 m/s
Max. Velocity	0.74 m/s
Avg. Channel Depth	21.7 cm
Max. Channel Depth	40.0 cm
Bankfull-Wetted Depth	115 cm
Slope	0.015 m/m

Water Chemistry

Parameter	Value	Units
pH	6.44	pH units
Conductivity	45.5	uS/cm
Dissolved Oxygen	10.00	mg/L
Temperature	17.00	°C
Turbidity	0	NTU
Copper	0.40	ug/L
Iron	0.28	mg/L
Lead	0.06	ug/L
Zinc	0.73	ug/L
Chloride	9.4	mg/L
Phosphorous (Total)	0.006	mg/L
Nitrate	<0.02	mg/L
Nickel	0.16	ug/L

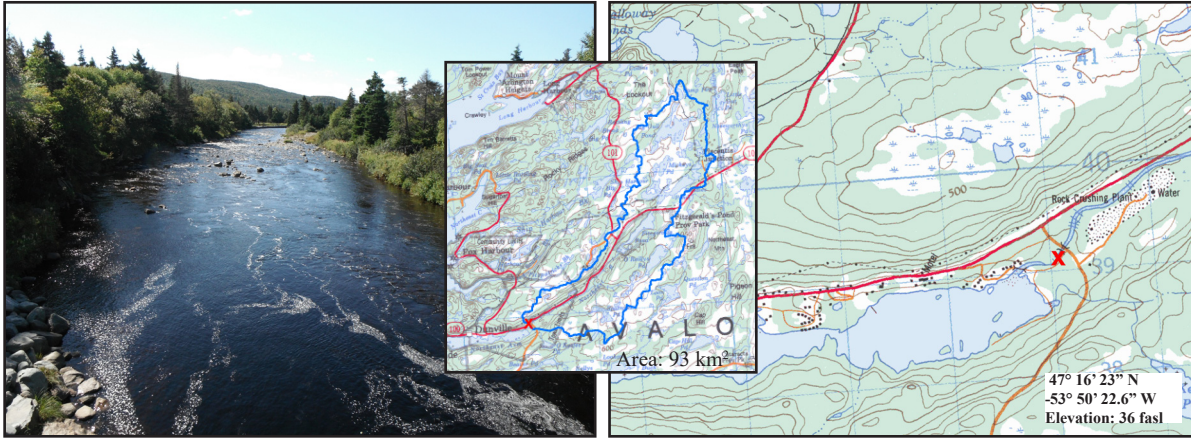
Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large cobble
Surrounding Material	gravel
Embeddedness	1/4 embedded
Median Particle Size	10 cm
Geometric Mean Particle Size	9.7 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>	

Northeast River near Placentia

NF02ZK0005

EASTERN



Site Description

Site Code	NF02ZK0005
Name	Northeast River
Date Sampled	Sept. 25, 2015
Ecoregion(s)	Maritime Barrens
Stream Order	4
Basin	Northeast River
Sampled By	NL
Accessibility	Sampled 20 m downstream of bridge on dirt road just off Route 100, 4.7km east of Dunville.

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X		X	X
Surrounding Vegetation (D=dominant)			
Ferns/Grasses	Shrubs	Deciduous Trees	Coniferous Trees
X(D)	X	X	X
Canopy Coverage		1-25 %	
Macrophyte Coverage		0 %	
Periphyton Coverage		0.5-1 mm thick	


Channel Data

Bankful Width	27.5 m
Wetted Width	26.7 m
Avg. Velocity	0.51 m/s
Max. Velocity	0.68 m/s
Avg. Channel Depth	20.8 cm
Max. Channel Depth	30.0 cm
Bankfull-Wetted Depth	35 cm
Slope	0.012 m/m

Water Chemistry

Parameter	Value	Units
pH	6.51	pH units
Conductivity	41.4	uS/cm
Dissolved Oxygen	10.78	mg/L
Temperature	12.82	°C
Turbidity	0.3	NTU
Copper	0.43	ug/L
Iron	0.314	mg/L
Lead	0.09	ug/L
Zinc	0.96	ug/L
Chloride	9.0	mg/L
Phosphorous (Total)	0.006	mg/L
Nitrate	<0.02	mg/L
Nickel	0.20	ug/L

Substrate

Dominant Substrate	large pebble
2nd Dominant Substrate	small cobble
Surrounding Material	gravel
Embeddedness	1/4 embedded
Median Particle Size	6.5 cm
Geometric Mean Particle Size	7.0 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>	

Northeast River near Placentia

NF02ZK0005

EASTERN



Site Description

Site Code	NF02ZK0005
Name	Northeast River
Date Sampled	Sept. 25, 2014
Ecoregion(s)	Maritime Barrens
Stream Order	4
Basin	Northeast River
Sampled By	NL
Accessibility	Sampled 20 m downstream of bridge on dirt road just off Route 100, 4.7km east of Dunville.

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X		X	X
Surrounding Vegetation (D=dominant)			
Ferns/Grasses	Shrubs	Deciduous Trees	Coniferous Trees
X	X	X(D)	X
Canopy Coverage		1-25 %	
Macrophyte Coverage		1-25 %	
Periphyton Coverage		0.5-1 mm thick	

Channel Data

Bankful Width	28.4 m
Wetted Width	25.9 m
Avg. Velocity	0.41 m/s
Max. Velocity	0.63 m/s
Avg. Channel Depth	14.9 cm
Max. Channel Depth	26.5 cm
Bankfull-Wetted Depth	70 cm
Slope	0.004 m/m

Water Chemistry

Parameter	Value	Units
pH	6.79	pH units
Conductivity	50.3	uS/cm
Dissolved Oxygen	11.29	mg/L
Temperature	11.6	°C
Turbidity	0.7	NTU
Copper	0.36	ug/L
Iron	0.29	mg/L
Lead	0.06	ug/L
Zinc	0.68	ug/L
Chloride	10.2	mg/L
Phosphorous (Total)	0.005	mg/L
Nitrate	<0.02	mg/L
Nickel	0.13	ug/L

Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large cobble
Surrounding Material	gravel
Embeddedness	Unembedded
Median Particle Size	9.5 cm
Geometric Mean Particle Size	8.4 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.

Northeast River near Placentia

NF02ZK0005

EASTERN



Site Description

Site Code	NF02ZK0005
Name	Northeast River
Date Sampled	Oct. 3, 2013
Ecoregion(s)	Maritime Barrens
Stream Order	4
Basin	Northeast River
Sampled By	NL
Accessibility	Sampled 20 m downstream of bridge on dirt road just off Route 100, 4.7km east of Dunville.

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X		X	
Surrounding Vegetation (D=dominant)			
Ferns/ Grasses	Shrubs	Deciduous Trees	Coniferous Trees
X	X(D)	X	X
Canopy Coverage		1-25 %	
Macrophyte Coverage		0 %	
Periphyton Coverage		1-5 mm thick	


Channel Data

Bankful Width	36.0 m
Wetted Width	32.0 m
Avg. Velocity	0.69 m/s
Max. Velocity	1.07 m/s
Avg. Channel Depth	28.8 cm
Max. Channel Depth	47.0 cm
Bankfull-Wetted Depth	50 cm
Slope	0.006 m/m

Water Chemistry

Parameter	Value	Units
pH	6.92	pH units
Conductivity	32.7	uS/cm
Dissolved Oxygen	9.81	mg/L
Temperature	15.01	°C
Turbidity	1.11	NTU
Copper	0.44	ug/L
Iron	0.38	mg/L
Lead	0.08	ug/L
Zinc	0.98	ug/L
Chloride	7.0	mg/L
Phosphorous (Total)	0.009	mg/L
Nitrate	0.02	mg/L
Nickel	0.20	ug/L

Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large cobble
Surrounding Material	gravel
Embeddedness	1/4 embedded
Median Particle Size	12.0 cm
Geometric Mean Particle Size	12.5 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>	



Site Description

Site Code	NF02ZK0005
Name	Northeast River
Date Sampled	Oct. 11, 2012
Ecoregion(s)	Maritime Barrens
Stream Order	4
Basin	Northeast River
Sampled By	NL
Accessibility	Sampled 20 m downstream of bridge on dirt road just off Route 100, 4.7km east of Dunville.

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X		X	
Surrounding Vegetation (D=dominant)			
Ferns/Grasses	Shrubs	Deciduous Trees	Coniferous Trees
X	X (D)	X	X
Canopy Coverage		1-25 %	
Macrophyte Coverage		0 %	
Periphyton Coverage		<0.5 mm thick	


Channel Data

Bankful Width	33.2 m
Wetted Width	27.9 m
Avg. Velocity	0.40 m/s
Max. Velocity	0.65 m/s
Avg. Channel Depth	26.34 cm
Max. Channel Depth	35.00 cm
Bankfull-Wetted Depth	150 cm
Slope	0.007 m/m

Water Chemistry

Parameter	Value	Units
pH	6.79	pH units
Conductivity	49	uS/cm
Dissolved Oxygen	n/a	mg/L
Temperature	11.34	°C
Turbidity	0.3	NTU
Copper	0.37	ug/L
Iron	0.24	mg/L
Lead	0.08	ug/L
Zinc	0.71	ug/L
Chloride	9.78	mg/L
Phosphorous (Total)	0.005	mg/L
Nitrate	<0.02	mg/L
Nickel	0.85	ug/L

Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large cobble
Surrounding Material	coarse sand
Embeddedness	1/2 embedded
Median Particle Size	8.5 cm
Geometric Mean Particle Size	8.6 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>	



Site Description

Site Code	NF02ZK0005
Name	Northeast River
Date Sampled	Sept. 22, 2011
Ecoregion(s)	Maritime Barrens
Stream Order	4
Basin	Northeast River
Sampled By	NL
Accessibility	Sampled 20 m downstream of bridge on dirt road just off Route 100, 4.7km east of Dunville.

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X		X	X
Surrounding Vegetation (D=dominant)			
Ferns/Grasses	Shrubs	Deciduous Trees	Coniferous Trees
X (D)	X	X	X
Canopy Coverage		1-25 %	
Macrophyte Coverage		0 %	
Periphyton Coverage		<0.5 mm thick	

Channel Data

Bankful Width	33.0 m
Wetted Width	28.5 m
Avg. Velocity	0.56 m/s
Max. Velocity	1.01 m/s
Avg. Channel Depth	20.17 cm
Max. Channel Depth	27.00 cm
Bankfull-Wetted Depth	110 cm
Slope	0.015 m/m

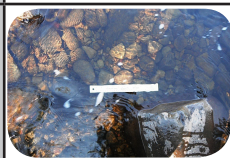
Water Chemistry

Parameter	Value	Units
pH	6.6	pH units
Conductivity	35	uS/cm
Dissolved Oxygen	n/a	mg/L
Temperature	16	°C
Turbidity	0.5	NTU
Copper	0.5	ug/L
Iron	0.35	mg/L
Lead	0.09	ug/L
Zinc	0.9	ug/L
Chloride	6.02	mg/L
Phosphorous (Total)	0.008	mg/L
Nitrate	<0.02	mg/L
Nickel	1.48	ug/L

Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large cobble
Surrounding Material	small pebble
Embeddedness	1/4 embedded
Median Particle Size	9.0 cm
Geometric Mean Particle Size	9.6 cm

Photo of Substrate

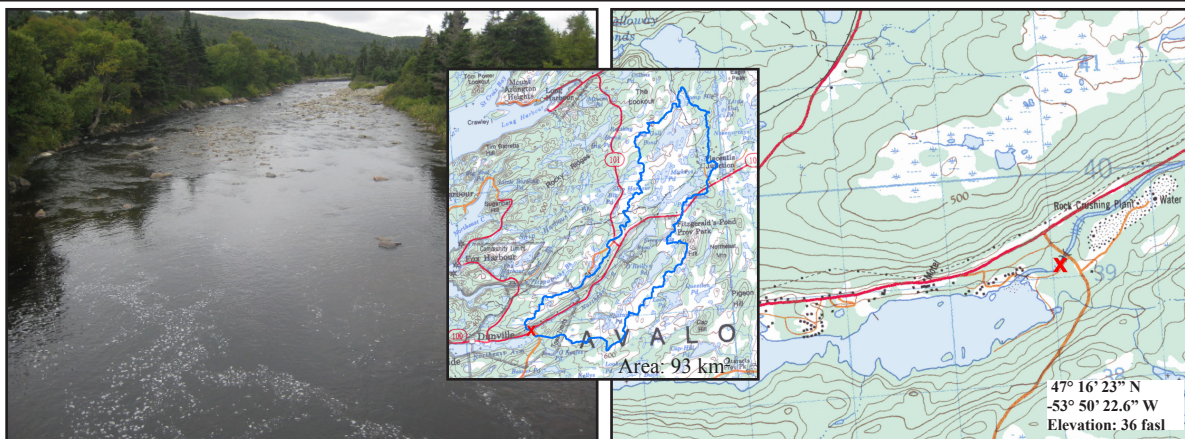


Substrate Size Class Categories: Organic cover; Sand/silt/clay (< 0.1 cm); Coarse sand (0.1 - 0.2 cm); Gravel (0.2 - 1.6 cm); Small pebble (1.6 - 3.2 cm); Large pebble (3.2 - 6.4 cm); Small cobble (6.4 - 12.8 cm); Large cobble (12.8 - 25.6 cm); Boulder (> 25.6 cm); Bedrock.

Northeast River near Placentia

NF02ZK0005

EASTERN



Site Description

Site Code	NF02ZK0005
Name	Northeast River
Date Sampled	Sept. 16, 2009
Ecoregion(s)	Maritime Barrens
Stream Order	4
Basin	Northeast River
Sampled By	NL
Accessibility	Sampled 20 m downstream of bridge on dirt road just off Route 100, 4.7km east of Dunville.

Reach Data

Reach Characteristics			
Riffle	Rapid	Straight Run	Pool
X	X	X	X
Surrounding Vegetation (D=dominant)			
Ferns/Grasses	Shrubs	Deciduous Trees	Coniferous Trees
X	X (D)	X	X
Canopy Coverage		1-25 %	
Macrophyte Coverage		1-25 %	
Periphyton Coverage		0.5-1 mm thick	

Channel Data

Bankful Width	28.5 m
Wetted Width	24.6 m
Avg. Velocity	0.28 m/s
Max. Velocity	0.30 m/s
Avg. Channel Depth	41.6 cm
Max. Channel Depth	66.0 cm
Bankfull-Wetted Depth	135 cm
Slope	0.03 m/m

Water Chemistry

Parameter	Value	Units
pH	6.85	pH units
Conductivity	42	uS/cm
Dissolved Oxygen	10.52	mg/L
Temperature	13.17	°C
Turbidity	0.1	NTU
Copper	0.4	ug/L
Iron	0.28	mg/L
Lead	0.1	ug/L
Zinc	0.9	ug/L
Chloride	8.27	mg/L
Phosphorous (Total)	0.007	mg/L
Nitrate	<0.02	mg/L
Nickel	1.3	ug/L

Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large cobble
Surrounding Material	large pebble
Embeddedness	1/4 embedded
Median Particle Size	3.05 cm
Geometric Mean Particle Size	8.70 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.