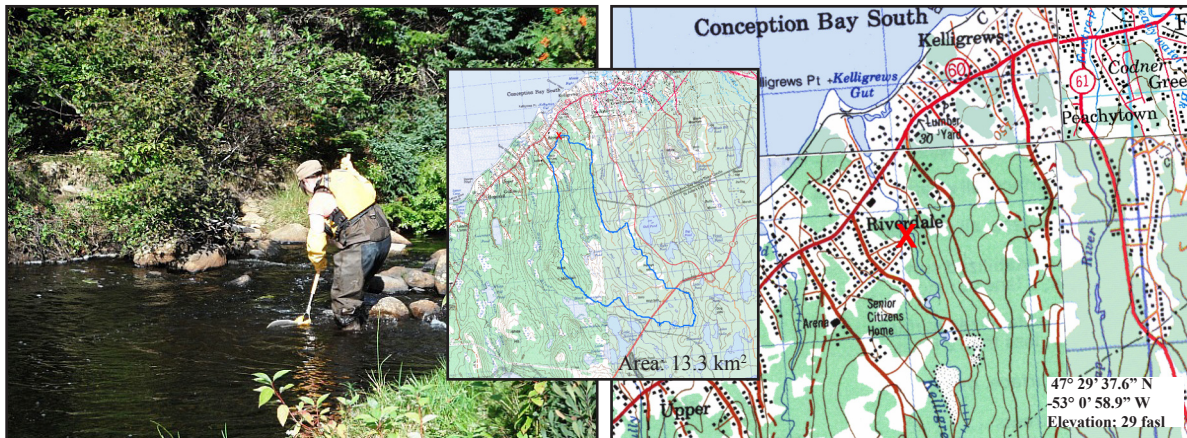


Kelligrews River at Kelliview Crescent

NF02ZM0183

EASTERN



Site Description

Site Code	NF02ZM0183
Name	Kelligrews River
Date Sampled	Sept 22, 2011
Ecoregion(s)	Maritime Barrens
Stream Order	2
Basin	Conception Bay
Sampled By	NL
Accessibility	Sampled at WQMA site, at end of cul-de-sac off Kelliview Cres. in Kelligrews

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

Channel Data

Bankful Width	10.9 m
Wetted Width	7.4 m
Avg. Velocity	0.30 m/s
Max. Velocity	0.41 m/s
Avg. Channel Depth	10.3 cm
Max. Channel Depth	16.0 cm
Bankfull-Wetted Depth	100 cm
Slope	0.039 m/m

Water Chemistry

Parameter	Value	Units
pH	7.48	pH units
Conductivity	286	uS/cm
Dissolved Oxygen	n/a	mg/L
Temperature	14	°C
Turbidity	0.4	NTU
Copper	0.28	ug/L
Iron	0.3	mg/L
Lead	0.05	ug/L
Zinc	2.45	ug/L
Chloride	62.74	mg/L
Phosphorous (Total)	0.008	mg/L
Nitrate	0.46	mg/L
Nickel	2.29	ug/L

Substrate

Dominant Substrate	small cobble
2nd Dominant Substrate	large cobble
Surrounding Material	gravel
Embeddedness	1/4 embedded
Median Particle Size	9.25 cm
Geometric Mean Particle Size	9.40 cm
Photo of Substrate	n/a

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.