



**Maine Department of Environmental Protection  
Biological Monitoring Program  
Aquatic Life Classification Attainment Report**

Station Information	
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<b>Station Number:</b> S-925	River Basin: St. John
Waterbody: Getchell Brook - Station 925	HUC8 Name: Becaguimec Stream-Saint John Riv
Town: Easton	Latitude: 46 36 32.33 N
Directions: OFF WEST RIDGE RD.	Longitude: 67 54 31.76 W
	Stream Order: 1

Sample Information		
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<b>Log Number:</b> 2734	Type of Sample: ROCK BAG	Date Deployed: 7/9/2019
Subsample Factor: X1	Replicates: 3	Date Retrieved: 8/6/2019

Classification Attainment			
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<b>Statutory Class:</b> B	<b>Final Determination:</b> A	Date: 3/20/2020	
Model Result with P $\geq$ 0.6: A	<b>Reason for Determination:</b> Model		
Date Last Calculated: 2/21/2020	Comments:		

Model Probabilities					
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<u>First Stage Model</u>			<u>C or Better Model</u>		
Class A	0.93	Class C	0.00	Class A, B, or C	1.00
Class B	0.07	NA	0.00	Non-Attainment	0.00
<u>B or Better Model</u>			<u>A Model</u>		
Class A or B		1.00	Class A		0.97
Class C or Non-Attainment		0.00	Class B or C or Non-Attainment		0.03

Model Variables			
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01 Total Mean Abundance	123.00	18 Relative Abundance Ephemeroptera	0.10
02 Generic Richness	26.00	19 EPT Generic Richness	10.00
03 Plecoptera Mean Abundance	46.00	21 Sum of Abundances: <i>Dicrotendipes</i> , <i>Micropsectra</i> , <i>Parachironomus</i> , <i>Helobdella</i>	0.00
04 Ephemeroptera Mean Abundance	12.00	23 Relative Generic Richness- Plecoptera	0.04
05 Shannon-Wiener Generic Diversity	3.40	25 Sum of Abundances: <i>Cheumatopsyche</i> , <i>Cricotopus</i> , <i>Tanytarsus</i> , <i>Ablabesmyia</i>	4.89
06 Hilsenhoff Biotic Index	2.60	26 Sum of Abundances: <i>Acroneuria</i> , <i>Maccaffertium</i> , <i>Stenonema</i>	0.00
07 Relative Abundance - Chironomidae	0.33	28 EP Generic Richness/14	0.36
08 Relative Generic Richness Diptera	0.35	30 Presence of Class A Indicator Taxa/7	0.00
09 <i>Hydropsyche</i> Abundance	0.00		
11 <i>Cheumatopsyche</i> Abundance	0.00		
12 EPT Generic Richness/ Diptera Generic Richness	1.11		
13 Relative Abundance - Oligochaeta	0.00		
15 Perlidae Mean Abundance (Family Functional Group)	0.00		
16 Tanypodinae Mean Abundance (Family Functional Group)	3.56		
17 Chironomini Abundance (Family Functional Group)	12.89		

Five Most Dominant Taxa		
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Rank	Taxon Name	Percent
1	<i>Leuctra</i>	37.40
2	<i>Parametriocnemus</i>	13.37
3	<i>Polypedilum</i>	7.95
4	<i>Proclleon</i>	4.61
5	<i>Bezzia/palpomyia</i>	4.34



**Maine Department of Environmental Protection  
Biological Monitoring Program  
Aquatic Life Classification Attainment Report**

**Station Number: S-925**  
**Log Number: 2734**

Town: Easton  
Waterbody: Getchell Brook - Station 925

Date Deployed: 7/9/2019  
Date Retrieved: 8/6/2019

**Sample Collection and Processing Information**

Sampling Organization:

Taxonomist: LOTIC INC.

**Waterbody Information - Deployment**

Temperature: 17.8 deg C  
Dissolved Oxygen: 10.14 mg/l  
Dissolved Oxygen Saturation: 98.6 %  
Specific Conductance: 474 uS/cm  
Velocity: 15.2 cm/s  
pH: 8.18  
Wetted Width: 3 m  
Bankfull Width: 6.2 m  
Depth: 22 cm

**Waterbody Information - Retrieval**

Temperature: 14.1 deg C  
Dissolved Oxygen: 10.24 mg/l  
Dissolved Oxygen Saturation: 100.4 %  
Specific Conductance: 484 uS/cm  
Velocity: 4 cm/s  
pH: 8.25  
Wetted Width: 3.5 m  
Bankfull Width: 5.2 m  
Depth: 20 cm

**Water Chemistry**

**Summary of Habitat Characteristics**

<u>Landuse Name</u>	<u>Canopy Cover</u>	<u>Terrain</u>	
Swamp Conifer	Dense	Rolling	
Swamp Hardwood			
<u>Potential Stressor</u>	<u>Location</u>	<u>Substrate</u>	
Agricultural Runoff	Below Road Crossing	Detritus	20 %
Altered Habitat		Gravel	70 %
		Sand	10 %

**Landcover Summary - 2004 Data**

Total Area (ac)	1111	High Int. Dev. %	0.3	Water %	0.0	Non-vegetated %	0.0
		Med Int. Dev. %	0.6	Wetland %	6.8	Tilled Agriculture %	57.2
		Low Int. Dev. %	0.2	Upland Woody %	15.2	Grassland %	17.0
		Development %	3.9	Natural %	21.9	Human Altered %	78.1
						Impervious %	2.4

**Sample Comments**

SCULPIN IN SIEVE BUCKET.



**Maine Department of Environmental Protection  
Biological Monitoring Program  
Aquatic Life Taxonomic Inventory Report**

**Station Number: S-925**

Waterbody: Getchell Brook - Station 925

Town: Easton

**Log Number: 2734**

Subsample Factor: X1

Replicates: 3

Calculated: 2/21/2020

Taxon	Maine Taxonomic Code	Count (Mean of Samplers)		Hilsenhoff Biotic Index	Functional Feeding Group	Relative Abundance %	
		Actual	Adjusted			Actual	Adjusted
Tricladida	030101	0.33	0.33		--	0.3	0.3
<i>Leuctra</i>	09020204020	46.00	46.00	0	SH	37.4	37.4
<i>Baetis</i>	09020401001		2.00	4	CG		1.6
<i>Baetis brunneicolor</i>	09020401001003	2.00			--	1.6	
<i>Procladius</i>	09020401010	5.67	5.67		CG	4.6	4.6
<i>Paraleptophlebia</i>	09020406026	2.00	2.00	1	CG	1.6	1.6
<i>Ephemerella</i>	09020410035	2.33	2.33	1	CG	1.9	1.9
<i>Rhyacophila</i>	09020605019	1.00	1.00	2	PR	0.8	0.8
<i>Micrasema</i>	09020609044	0.33	0.33	2	SH	0.3	0.3
<i>Onocosmoecus</i>	09020610046		0.33	2	SH		0.3
<i>Onocosmoecus unicolor</i>	09020610046103	0.33			--	0.3	
<i>Pycnopsyche</i>	09020610049	4.00	4.00	4	SH	3.3	3.3
<i>Psychoglypha</i>	09020610060	5.00	5.00	0	SH	4.1	4.1
<i>Sialis</i>	09020702004	3.33	3.33	4	PR	2.7	2.7
<i>Bezzia/palpomyia</i>	09021010043	5.33	5.33	6	PR	4.3	4.3
Chironomidae	09021011	10.00			--	8.1	
<i>Thienemannimyia</i>	09021011020		3.56	3	PR		2.9
<i>Thienemannimyia group</i>	09021011020041	2.67			--	2.2	
<i>Parametriocnemus</i>	09021011053	12.33	16.44	5	CG	10.0	13.4
<i>Rheocricotopus</i>	09021011057		1.33	6	CG		1.1
<i>Rheocricotopus robacki</i>	09021011057105	1.00			--	0.8	
<i>Rheotanytarsus</i>	09021011072	0.67	0.89	6	CF	0.5	0.7
<i>Tanytarsus</i>	09021011076	3.67	4.89	6	CF	3.0	4.0
<i>Microtendipes</i>	09021011094		3.11	6	CF		2.5
<i>Microtendipes pedellus group</i>	09021011094166	2.33			--	1.9	
<i>Polypedilum</i>	09021011102		9.78	6	SH		7.9
<i>Polypedilum aviceps</i>	09021011102181	7.33			--	6.0	
<i>Atherix</i>	09021015055	2.67	2.67	2	PR	2.2	2.2
<i>Tropisternus</i>	09021105038	0.33	0.33		PR	0.3	0.3
<i>Dubiraphia</i>	09021113064	0.67	0.67	6	--	0.5	0.5
<i>Hygrobates</i>	09030102001	0.33	0.33		--	0.3	0.3
<i>Physa</i>	10010202027	0.67	0.67		SC	0.5	0.5
<i>Gyraulus</i>	10010203029	0.67	0.67		SC	0.5	0.5