



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

**Station Information**

<b>Station Number:</b> S-674	River Basin: Androscoggin
Waterbody: Wild River - Station 674	HUC8 Name: Lower Androscoggin
Town: Batchelders Grant Twp	Latitude: 44 22 14.12 N
Directions: NEAR FIRST WHITE MOUNTAINS NATIONAL FOREST SIGN	Longitude: 70 59 35.74 W
	Stream Order: 4

**Sample Information**

<b>Log Number:</b> 2838	Type of Sample: ROCK BAG	Date Deployed: 8/21/2020
Subsample Factor: X4	Replicates: 3	Date Retrieved: 8/21/2020

**Classification Attainment**

<b>Statutory Class:</b> A	<b>Final Determination:</b> C	Date: 3/3/2022
Model Result with $P \geq 0.6$ : C	<b>Reason for Determination:</b> Model	
Date Last Calculated: 10/19/2021	Comments:	

**Model Probabilities**

<u>First Stage Model</u>		<u>C or Better Model</u>	
Class A	0.05	Class A, B, or C	1.00
Class B	0.64	Non-Attainment	0.00
		<u>A Model</u>	
<u>B or Better Model</u>		Class A	0.12
Class A or B	0.22	Class B or C or Non-Attainment	0.88
Class C or Non-Attainment	0.78		

**Model Variables**

01 Total Mean Abundance	1592.00	18 Relative Abundance Ephemeroptera	0.04
02 Generic Richness	36.00	19 EPT Generic Richness	16.00
03 Plecoptera Mean Abundance	17.33	21 Sum of Abundances: <i>Dicrotendipes</i> , <i>Micropsectra</i> , <i>Parachironomus</i> , <i>Helobdella</i>	24.00
04 Ephemeroptera Mean Abundance	62.67	23 Relative Generic Richness- Plecoptera	0.06
05 Shannon-Wiener Generic Diversity	2.99	25 Sum of Abundances: <i>Cheumatopsyche</i> , <i>Cricotopus</i> , <i>Tanytarsus</i> , <i>Ablabesmyia</i>	261.33
06 Hilsenhoff Biotic Index	4.61	26 Sum of Abundances: <i>Acroneuria</i> , <i>Maccaffertium</i> , <i>Stenonema</i>	9.33
07 Relative Abundance - Chironomidae	0.37	28 EP Generic Richness/14	0.57
08 Relative Generic Richness Diptera	0.47	30 Presence of Class A Indicator Taxa/7	0.43
09 <i>Hydropsyche</i> Abundance	772.00		
11 <i>Cheumatopsyche</i> Abundance	37.33		
12 EPT Generic Richness/ Diptera Generic Richness	0.94		
13 Relative Abundance - Oligochaeta	0.00		
15 Perlidae Mean Abundance (Family Functional Group)	17.33		
16 Tanypodinae Mean Abundance (Family Functional Group)	34.67		
17 Chironomini Abundance (Family Functional Group)	65.33		

**Five Most Dominant Taxa**

Rank	Taxon Name	Percent
1	<i>Hydropsyche</i>	48.49
2	<i>Cricotopus</i>	12.73
3	<i>Tvetenia</i>	8.71
4	<i>Polypedilum</i>	3.85
5	<i>Simulium</i>	2.85



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**Station Number: S-674**      Town:      Batchelders Grant Twp      Date Deployed: 8/21/2020  
**Log Number: 2838**      Waterbody: Wild River - Station 674      Date Retrieved: 8/21/2020

**Sample Collection and Processing Information**

Sampling Organization: BIOMONITORING UNIT      Taxonomist: MICHAEL COLE

**Waterbody Information - Deployment**

Temperature:                      18.7 deg C  
Dissolved Oxygen:                9.85 mg/l  
Dissolved Oxygen Saturation:    108.4 %  
Specific Conductance:            17.3 uS/cm  
Velocity:                            39.6 cm/s  
pH:                                    6.74  
Wetted Width:                      28 m  
Bankfull Width:                    36 m  
Depth:                                26 cm

**Waterbody Information - Retrieval**

**Water Chemistry**

**Summary of Habitat Characteristics**

<u>Landuse Name</u>	<u>Canopy Cover</u>	<u>Terrain</u>
Upland Conifer	Open	Mountainous
Upland Hardwood		
<u>Potential Stressor</u>	<u>Location</u>	<u>Substrate</u>
Logging	Minimally Disturbed	Boulder                              40 %
		Gravel                                10 %
		Rubble/Cobble                      40 %
		Sand                                    10 %

**Landcover Summary - 2004 Data**

Total Area (ac)    10655	High Int. Dev. %    0.0	Water %            0.0	Non-vegetated %    0.0
	Med Int. Dev. %    0.0	Wetland %        0.5	Tilled Agriculture %    0.0
	Low Int. Dev. %    0.2	Upland Woody %    99.2	Grassland %            0.0
	Development %    0.3	Natural %        99.7	Human Altered %      0.3
			Impervious %        0.4
Total Land (ac)    10650	High Int. Dev. %    0.0	Water %            N/A	Non-vegetated %    N/A
	Med Int. Dev. %    0.0	Wetland %        0.5	Tilled Agriculture %    0.0
	Low Int. Dev. %    0.2	Upland Woody %    99.2	Grassland %            0.0
	Development %    0.3	Natural %        99.7	Human Altered %      0.3
			Impervious %        0.4

**Sample Comments**



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Aquatic Life Taxonomic Inventory Report**

<b>Station Number: S-674</b>	Waterbody: Wild River - Station 674	Town: Batchelders Grant Twp
<b>Log Number: 2838</b>	Subsample Factor: X4      Replicates: 3	Calculated: 10/19/2021
<b>Station Number: S-674</b>	Waterbody: Wild River - Station 674	Town: Batchelders Grant Twp
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Taxon	Maine Taxonomic Code	Count (Mean of Samplers)		Hilsenhoff Biotic Index	Functional Feeding Group	Relative Abundance %	
		Actual	Adjusted			Actual	Adjusted
<i>Paragnetina</i>	09020209049	1.33	5.33	1	PR	0.1	0.3
<i>Paragnetina immarginata</i>	09020209049149	4.00			--	0.3	
<i>Aagnetina</i>	09020209050		12.00	2	PR		0.8
<i>Aagnetina capitata</i>	09020209050152	12.00		2	PR	0.8	
<i>Baetis</i>	09020401001	1.33	6.67	4	CG	0.1	0.4
<i>Baetis flavistriga</i>	09020401001004	2.67			--	0.2	
<i>Baetis pluto</i>	09020401001009	1.33			--	0.1	
<i>Baetis tricaudatus</i>	09020401001012	1.33			--	0.1	
<i>Acerpenna</i>	09020401007		4.00	5	CG		0.3
<i>Acerpenna macdunnoughi</i>	09020401007001	4.00			--	0.3	
<i>Plauditus</i>	09020401012	40.00	40.00		CG	2.5	2.5
<i>Maccaffertium</i>	09020402015	9.33	9.33	4	SC	0.6	0.6
<i>Serratella</i>	09020410037		1.33	2	CG		0.1
<i>Serratella serratoides</i>	09020410037124	1.33			--	0.1	
<i>Tricorythodes</i>	09020411038	1.33	1.33	4	CG	0.1	0.1
<i>Dolophilodes</i>	09020601001		32.00	0	CF		2.0
<i>Dolophilodes distincta</i>	09020601001001	32.00			--	2.0	
<i>Chimarra</i>	09020601003	4.00	4.00	2	CF	0.3	0.3
<i>Neureclipsis</i>	09020603008	6.67	6.67	7	CF	0.4	0.4
<i>Arctopsyche</i>	09020604012		1.33		CF		0.1
<i>Arctopsyche ladogensis</i>	09020604012022	1.33			--	0.1	
<i>Cheumatopsyche</i>	09020604015	37.33	37.33	5	CF	2.3	2.3
<i>Hydropsyche</i>	09020604016	458.67	772.00	4	CF	28.8	48.5
<i>Hydropsyche morosa</i>	09020604016030	116.00			--	7.3	
<i>Hydropsyche slossonae</i>	09020604016031	45.33			--	2.8	
<i>Hydropsyche sparna</i>	09020604016032	152.00			--	9.5	
<i>Rhyacophila</i>	09020605019		5.33	2	PR		0.3
<i>Rhyacophila acutiloba</i>	09020605019056	1.33			PR	0.1	
<i>Rhyacophila fuscula</i>	09020605019060	2.67			PR	0.2	
<i>Rhyacophila minora</i>	09020605019063	1.33			PR	0.1	



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Taxon	Maine Taxonomic Code	Count (Mean of Samplers)		Hilsenhoff Biotic Index	Functional Feeding Group	Relative Abundance %	
		Actual	Adjusted			Actual	Adjusted
<i>Brachycentrus</i>	09020609043		14.67	0	CF		0.9
<i>Brachycentrus appalachia</i>	09020609043096	14.67			--	0.9	
<i>Nigronia</i>	09020701003		1.33	0	PR		0.1
<i>Nigronia serricornis</i>	09020701003003	1.33			--	0.1	
<i>Hexatoma</i>	09021001008	1.33	1.33	2	PR	0.1	0.1
<i>Thienemannimyia</i>	09021011020		34.67	3	PR		2.2
<i>Thienemannimyia group</i>	09021011020041	34.67			--	2.2	
<i>Brillia</i>	09021011033	5.33	5.33	5	SH	0.3	0.3
<i>Corynoneura</i>	09021011036	18.67	18.67	7	CG	1.2	1.2
<i>Cricotopus</i>	09021011037	13.33	202.67	7	SH	0.8	12.7
<i>Cricotopus bicinctus</i>	09021011037057	189.33			--	11.9	
<i>Orthocladius</i>	09021011050	5.33	10.67	6	CG	0.3	0.7
<i>Orthocladius annectens</i>	09021011050092	5.33			--	0.3	
<i>Parametriocnemus</i>	09021011053	21.33	21.33	5	CG	1.3	1.3
<i>Rheocricotopus</i>	09021011057	2.67	2.67	6	CG	0.2	0.2
<i>Tvetenia</i>	09021011065		138.67	5	CG		8.7
<i>Tvetenia vitracies</i>	09021011065113	114.67			--	7.2	
<i>Tvetenia paucunca</i>	09021011065114	24.00			--	1.5	
<i>Micropsectra</i>	09021011070	24.00	24.00	7	CG	1.5	1.5
<i>Rheotanytarsus</i>	09021011072		40.00	6	CF		2.5
<i>Rheotanytarsus exiguus group</i>	09021011072127	29.33			CF	1.8	
<i>Rheotanytarsus pellucidus</i>	09021011072128	10.67			CF	0.7	
<i>Tanytarsus</i>	09021011076	21.33	21.33	6	CF	1.3	1.3
<i>Microtendipes</i>	09021011094		4.00	6	CF		0.3
<i>Microtendipes rydalensis group</i>	09021011094168	4.00			--	0.3	
<i>Polypedilum</i>	09021011102		61.33	6	SH		3.9
<i>Polypedilum aviceps</i>	09021011102181	56.00			--	3.5	
<i>Polypedilum tritum</i>	09021011102191	5.33			--	0.3	
<i>Simulium</i>	09021012047	45.33	45.33	4	CF	2.8	2.8
<i>Atherix</i>	09021015055	1.33	1.33	2	PR	0.1	0.1
<i>Hemerodromia</i>	09021016057	1.33	1.33	3	PR	0.1	0.1



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		Actual	Adjusted			Actual	Adjusted
<i>Optioservus</i>	09021113067		1.33	3	SC		0.1
<i>Optioservus tardella</i>	09021113067052	1.33			--	0.1	
<i>Promoresia</i>	09021113069	1.33	1.33		--	0.1	0.1



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Directions: NEAR FIRST WHITE MOUNTAINS NATIONAL FOREST SIGN	Longitude: 70 59 35.74 W
	Stream Order: 4

**Sample Information**

<b>Log Number:</b> 2838	Type of Sample: ROCK BAG	Date Deployed: 8/21/2020
Subsample Factor: X4	Replicates: 3	Date Retrieved: 8/21/2020

**Classification Attainment**

<b>Statutory Class:</b> A	<b>Final Determination:</b> C	Date: 3/3/2022
Model Result with $P \geq 0.6$ : C	<b>Reason for Determination:</b> Model	
Date Last Calculated: 10/19/2021	Comments:	

**Model Probabilities**

<u>First Stage Model</u>		<u>C or Better Model</u>	
Class A	0.05	Class A, B, or C	1.00
Class B	0.64	Non-Attainment	0.00
<u>B or Better Model</u>		<u>A Model</u>	
Class A or B	0.22	Class A	0.12
Class C or Non-Attainment	0.78	Class B or C or Non-Attainment	0.88

**Model Variables**

01 Total Mean Abundance	1592.00	18 Relative Abundance Ephemeroptera	0.04
02 Generic Richness	36.00	19 EPT Generic Richness	16.00
03 Plecoptera Mean Abundance	17.33	21 Sum of Abundances: <i>Dicrotendipes, Micropsectra, Parachironomus, Helobdella</i>	24.00
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07 Relative Abundance - Chironomidae	0.37	28 EP Generic Richness/14	0.57
08 Relative Generic Richness Diptera	0.47	30 Presence of Class A Indicator Taxa/7	0.43
09 <i>Hydropsyche</i> Abundance	772.00		
11 <i>Cheumatopsyche</i> Abundance	37.33		
12 EPT Generic Richness/ Diptera Generic Richness	0.94		
13 Relative Abundance - Oligochaeta	0.00		
15 Perlidae Mean Abundance (Family Functional Group)	17.33		
16 Tanypodinae Mean Abundance (Family Functional Group)	34.67		
17 Chironomini Abundance (Family Functional Group)	65.33		

**Five Most Dominant Taxa**

Rank	Taxon Name	Percent
1	<i>Hydropsyche</i>	48.49
2	<i>Cricotopus</i>	12.73
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**Sample Collection and Processing Information**

Sampling Organization: BIOMONITORING UNIT      Taxonomist: MICHAEL COLE

**Waterbody Information - Deployment**

Temperature: 18.7 deg C  
Dissolved Oxygen: 9.85 mg/l  
Dissolved Oxygen Saturation: 108.4 %  
Specific Conductance: 17.3 uS/cm  
Velocity: 39.6 cm/s  
pH: 6.74  
Wetted Width: 28 m  
Bankfull Width: 36 m  
Depth: 26 cm

**Waterbody Information - Retrieval**

**Water Chemistry**

**Summary of Habitat Characteristics**

<u>Landuse Name</u>	<u>Canopy Cover</u>	<u>Terrain</u>
Upland Conifer	Open	Mountainous
Upland Hardwood		
<u>Potential Stressor</u>	<u>Location</u>	<u>Substrate</u>
Logging	Minimally Disturbed	Boulder 40 %
		Gravel 10 %
		Rubble/Cobble 40 %
		Sand 10 %

**Landcover Summary - 2004 Data**

Total Area (ac)	10655	High Int. Dev. %	0.0	Water %	0.0	Non-vegetated %	0.0
		Med Int. Dev. %	0.0	Wetland %	0.5	Tilled Agriculture %	0.0
		Low Int. Dev. %	0.2	Upland Woody %	99.2	Grassland %	0.0
		Development %	0.3	Natural %	99.7	Human Altered %	0.3
						Impervious %	0.4
Total Land (ac)	10650	High Int. Dev. %	0.0	Water %	N/A	Non-vegetated %	N/A
		Med Int. Dev. %	0.0	Wetland %	0.5	Tilled Agriculture %	0.0
		Low Int. Dev. %	0.2	Upland Woody %	99.2	Grassland %	0.0
		Development %	0.3	Natural %	99.7	Human Altered %	0.3
						Impervious %	0.4

**Sample Comments**





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<i>Baetis tricaudatus</i>	09020401001012	1.33			--	0.1	
<i>Acerpenna</i>	09020401007		4.00	5	CG		0.3
<i>Acerpenna macdunnoughi</i>	09020401007001	4.00			--	0.3	
<i>Plauditus</i>	09020401012	40.00	40.00		CG	2.5	2.5
<i>Maccaffertium</i>	09020402015	9.33	9.33	4	SC	0.6	0.6
<i>Serratella</i>	09020410037		1.33	2	CG		0.1
<i>Serratella serratoides</i>	09020410037124	1.33			--	0.1	
<i>Tricorythodes</i>	09020411038	1.33	1.33	4	CG	0.1	0.1
<i>Dolophilodes</i>	09020601001		32.00	0	CF		2.0
<i>Dolophilodes distincta</i>	09020601001001	32.00			--	2.0	
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<i>Hydropsyche sparna</i>	09020604016032	152.00			--	9.5	
<i>Rhyacophila</i>	09020605019		5.33	2	PR		0.3
<i>Rhyacophila acutiloba</i>	09020605019056	1.33			PR	0.1	
<i>Rhyacophila fuscula</i>	09020605019060	2.67			PR	0.2	
<i>Rhyacophila minora</i>	09020605019063	1.33			PR	0.1	





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Aquatic Life Taxonomic Inventory Report**

<b>Station Number: S-674</b>	Waterbody: Wild River - Station 674	Town: Batchelders Grant Twp
<b>Log Number: 2838</b>	Subsample Factor: X4      Replicates: 3	Calculated: 10/19/2021
<b>Station Number: S-674</b>	Waterbody: Wild River - Station 674	Town: Batchelders Grant Twp
<b>Log Number: 2838</b>	Subsample Factor: X4      Replicates: 3	Calculated: 10/19/2021
<b>Station Number: S-674</b>	Waterbody: Wild River - Station 674	Town: Batchelders Grant Twp
<b>Log Number: 2838</b>	Subsample Factor: X4      Replicates: 3	Calculated: 10/19/2021
<b>Station Number: S-674</b>	Waterbody: Wild River - Station 674	Town: Batchelders Grant Twp
<b>Log Number: 2838</b>	Subsample Factor: X4      Replicates: 3	Calculated: 10/19/2021

Taxon	Maine Taxonomic Code	Count (Mean of Samplers)		Hilsenhoff Biotic Index	Functional Feeding Group	Relative Abundance %	
		Actual	Adjusted			Actual	Adjusted
<i>Brachycentrus</i>	09020609043		14.67	0	CF		0.9
<i>Brachycentrus appalachia</i>	09020609043096	14.67			--	0.9	
<i>Nigronia</i>	09020701003		1.33	0	PR		0.1
<i>Nigronia serricornis</i>	09020701003003	1.33			--	0.1	
<i>Hexatoma</i>	09021001008	1.33	1.33	2	PR	0.1	0.1
<i>Thienemannimyia</i>	09021011020		34.67	3	PR		2.2
<i>Thienemannimyia group</i>	09021011020041	34.67			--	2.2	
<i>Brillia</i>	09021011033	5.33	5.33	5	SH	0.3	0.3
<i>Corynoneura</i>	09021011036	18.67	18.67	7	CG	1.2	1.2
<i>Cricotopus</i>	09021011037	13.33	202.67	7	SH	0.8	12.7
<i>Cricotopus bicinctus</i>	09021011037057	189.33			--	11.9	
<i>Orthocladius</i>	09021011050	5.33	10.67	6	CG	0.3	0.7
<i>Orthocladius annectens</i>	09021011050092	5.33			--	0.3	
<i>Parametriocnemus</i>	09021011053	21.33	21.33	5	CG	1.3	1.3
<i>Rheocricotopus</i>	09021011057	2.67	2.67	6	CG	0.2	0.2
<i>Tvetenia</i>	09021011065		138.67	5	CG		8.7
<i>Tvetenia vitracies</i>	09021011065113	114.67			--	7.2	
<i>Tvetenia paucunca</i>	09021011065114	24.00			--	1.5	
<i>Micropsectra</i>	09021011070	24.00	24.00	7	CG	1.5	1.5
<i>Rheotanytarsus</i>	09021011072		40.00	6	CF		2.5
<i>Rheotanytarsus exiguus group</i>	09021011072127	29.33			CF	1.8	
<i>Rheotanytarsus pellucidus</i>	09021011072128	10.67			CF	0.7	
<i>Tanytarsus</i>	09021011076	21.33	21.33	6	CF	1.3	1.3
<i>Microtendipes</i>	09021011094		4.00	6	CF		0.3
<i>Microtendipes rydalensis group</i>	09021011094168	4.00			--	0.3	
<i>Polypedilum</i>	09021011102		61.33	6	SH		3.9
<i>Polypedilum aviceps</i>	09021011102181	56.00			--	3.5	
<i>Polypedilum tritum</i>	09021011102191	5.33			--	0.3	
<i>Simulium</i>	09021012047	45.33	45.33	4	CF	2.8	2.8
<i>Atherix</i>	09021015055	1.33	1.33	2	PR	0.1	0.1
<i>Hemerodromia</i>	09021016057	1.33	1.33	3	PR	0.1	0.1



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

<b>Station Number: S-674</b>	Waterbody: Wild River - Station 674	Town: Batchelders Grant Twp
<b>Log Number: 2838</b>	Subsample Factor: X4      Replicates: 3	Calculated: 10/19/2021
<b>Station Number: S-674</b>	Waterbody: Wild River - Station 674	Town: Batchelders Grant Twp
<b>Log Number: 2838</b>	Subsample Factor: X4      Replicates: 3	Calculated: 10/19/2021
<b>Station Number: S-674</b>	Waterbody: Wild River - Station 674	Town: Batchelders Grant Twp
<b>Log Number: 2838</b>	Subsample Factor: X4      Replicates: 3	Calculated: 10/19/2021
<b>Station Number: S-674</b>	Waterbody: Wild River - Station 674	Town: Batchelders Grant Twp
<b>Log Number: 2838</b>	Subsample Factor: X4      Replicates: 3	Calculated: 10/19/2021

Taxon	Maine Taxonomic Code	Count (Mean of Samplers)		Hilsenhoff Biotic Index	Functional Feeding Group	Relative Abundance %	
		Actual	Adjusted			Actual	Adjusted
<i>Optioservus</i>	09021113067		1.33	3	SC		0.1
<i>Optioservus tardella</i>	09021113067052	1.33			--	0.1	
<i>Promoresia</i>	09021113069	1.33	1.33		--	0.1	0.1



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

**Station Information**

<b>Station Number:</b> S-674	River Basin: Androscoggin
Waterbody: Wild River - Station 674	HUC8 Name: Lower Androscoggin
Town: Batchelders Grant Twp	Latitude: 44 22 14.12 N
Directions: NEAR FIRST WHITE MOUNTAINS NATIONAL FOREST SIGN	Longitude: 70 59 35.74 W
	Stream Order: 4

**Sample Information**

<b>Log Number:</b> 2838	Type of Sample: ROCK BASKET	Date Deployed: 7/24/2020
Subsample Factor: X4	Replicates: 3	Date Retrieved: 7/24/2020

**Classification Attainment**

<b>Statutory Class:</b> A	<b>Final Determination:</b> C	Date: 3/3/2022
Model Result with $P \geq 0.6$ : C	<b>Reason for Determination:</b> Model	
Date Last Calculated: 10/19/2021	Comments:	

**Model Probabilities**

<u>First Stage Model</u>		<u>C or Better Model</u>	
Class A	0.05	Class A, B, or C	1.00
Class B	0.64	Non-Attainment	0.00
<u>B or Better Model</u>		<u>A Model</u>	
Class A or B	0.22	Class A	0.12
Class C or Non-Attainment	0.78	Class B or C or Non-Attainment	0.88

**Model Variables**

01 Total Mean Abundance	1592.00	18 Relative Abundance Ephemeroptera	0.04
02 Generic Richness	36.00	19 EPT Generic Richness	16.00
03 Plecoptera Mean Abundance	17.33	21 Sum of Abundances: <i>Dicrotendipes, Micropsectra, Parachironomus, Helobdella</i>	24.00
04 Ephemeroptera Mean Abundance	62.67	23 Relative Generic Richness- Plecoptera	0.06
05 Shannon-Wiener Generic Diversity	2.99	25 Sum of Abundances: <i>Cheumatopsyche, Cricotopus, Tanytarsus, Ablabesmyia</i>	261.33
06 Hilsenhoff Biotic Index	4.61	26 Sum of Abundances: <i>Acroneuria, Maccaffertium, Stenonema</i>	9.33
07 Relative Abundance - Chironomidae	0.37	28 EP Generic Richness/14	0.57
08 Relative Generic Richness Diptera	0.47	30 Presence of Class A Indicator Taxa/7	0.43
09 <i>Hydropsyche</i> Abundance	772.00		
11 <i>Cheumatopsyche</i> Abundance	37.33		
12 EPT Generic Richness/ Diptera Generic Richness	0.94		
13 Relative Abundance - Oligochaeta	0.00		
15 Perlidae Mean Abundance (Family Functional Group)	17.33		
16 Tanypodinae Mean Abundance (Family Functional Group)	34.67		
17 Chironomini Abundance (Family Functional Group)	65.33		

**Five Most Dominant Taxa**

Rank	Taxon Name	Percent
1	<i>Hydropsyche</i>	48.49
2	<i>Cricotopus</i>	12.73
3	<i>Tvetenia</i>	8.71
4	<i>Polypedilum</i>	3.85
5	<i>Simulium</i>	2.85



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

**Station Number: S-674**      Town: Batchelders Grant Twp      Date Deployed: 7/24/2020  
**Log Number: 2838**      Waterbody: Wild River - Station 674      Date Retrieved: 7/24/2020

**Sample Collection and Processing Information**

Sampling Organization: BIOMONITORING UNIT      Taxonomist: MICHAEL COLE

**Waterbody Information - Deployment**

Temperature: 19.7 deg C  
Dissolved Oxygen: 9.59 mg/l  
Dissolved Oxygen Saturation: 106.8 %  
Specific Conductance: 14.2 uS/cm  
Velocity: 73.2 cm/s  
pH: 6.57  
Wetted Width: 31 m  
Bankfull Width: 36 m  
Depth: 44.3 cm

**Waterbody Information - Retrieval**

**Water Chemistry**

**Summary of Habitat Characteristics**

<u>Landuse Name</u>	<u>Canopy Cover</u>	<u>Terrain</u>
Upland Conifer	Open	Mountainous
Upland Hardwood		
<u>Potential Stressor</u>	<u>Location</u>	<u>Substrate</u>
Logging	Minimally Disturbed	Boulder 40 %
		Gravel 10 %
		Rubble/Cobble 40 %
		Sand 10 %

**Landcover Summary - 2004 Data**

Total Area (ac) 10655	High Int. Dev. % 0.0	Water % 0.0	Non-vegetated % 0.0
	Med Int. Dev. % 0.0	Wetland % 0.5	Tilled Agriculture % 0.0
	Low Int. Dev. % 0.2	Upland Woody % 99.2	Grassland % 0.0
	Development % 0.3	Natural % 99.7	Human Altered % 0.3
			Impervious % 0.4
Total Land (ac) 10650	High Int. Dev. % 0.0	Water % N/A	Non-vegetated % N/A
	Med Int. Dev. % 0.0	Wetland % 0.5	Tilled Agriculture % 0.0
	Low Int. Dev. % 0.2	Upland Woody % 99.2	Grassland % 0.0
	Development % 0.3	Natural % 99.7	Human Altered % 0.3
			Impervious % 0.4

**Sample Comments**



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

<b>Station Number: S-674</b>	Waterbody: Wild River - Station 674	Town: Batchelders Grant Twp
<b>Log Number: 2838</b>	Subsample Factor: X4      Replicates: 3	Calculated: 10/19/2021
<b>Station Number: S-674</b>	Waterbody: Wild River - Station 674	Town: Batchelders Grant Twp
<b>Log Number: 2838</b>	Subsample Factor: X4      Replicates: 3	Calculated: 10/19/2021
<b>Station Number: S-674</b>	Waterbody: Wild River - Station 674	Town: Batchelders Grant Twp
<b>Log Number: 2838</b>	Subsample Factor: X4      Replicates: 3	Calculated: 10/19/2021
<b>Station Number: S-674</b>	Waterbody: Wild River - Station 674	Town: Batchelders Grant Twp
<b>Log Number: 2838</b>	Subsample Factor: X4      Replicates: 3	Calculated: 10/19/2021

Taxon	Maine Taxonomic Code	Count (Mean of Samplers)		Hilsenhoff Biotic Index	Functional Feeding Group	Relative Abundance %	
		Actual	Adjusted			Actual	Adjusted
<i>Paragnetina</i>	09020209049	1.33	5.33	1	PR	0.1	0.3
<i>Paragnetina immarginata</i>	09020209049149	4.00			--	0.3	
<i>Aagnetina</i>	09020209050		12.00	2	PR		0.8
<i>Aagnetina capitata</i>	09020209050152	12.00		2	PR	0.8	
<i>Baetis</i>	09020401001	1.33	6.67	4	CG	0.1	0.4
<i>Baetis flavistriga</i>	09020401001004	2.67			--	0.2	
<i>Baetis pluto</i>	09020401001009	1.33			--	0.1	
<i>Baetis tricaudatus</i>	09020401001012	1.33			--	0.1	
<i>Acerpenna</i>	09020401007		4.00	5	CG		0.3
<i>Acerpenna macdunnoughi</i>	09020401007001	4.00			--	0.3	
<i>Plauditus</i>	09020401012	40.00	40.00		CG	2.5	2.5
<i>Maccaffertium</i>	09020402015	9.33	9.33	4	SC	0.6	0.6
<i>Serratella</i>	09020410037		1.33	2	CG		0.1
<i>Serratella serratoides</i>	09020410037124	1.33			--	0.1	
<i>Tricorythodes</i>	09020411038	1.33	1.33	4	CG	0.1	0.1
<i>Dolophilodes</i>	09020601001		32.00	0	CF		2.0
<i>Dolophilodes distincta</i>	09020601001001	32.00			--	2.0	
<i>Chimarra</i>	09020601003	4.00	4.00	2	CF	0.3	0.3
<i>Neureclipsis</i>	09020603008	6.67	6.67	7	CF	0.4	0.4
<i>Arctopsyche</i>	09020604012		1.33		CF		0.1
<i>Arctopsyche ladogensis</i>	09020604012022	1.33			--	0.1	
<i>Cheumatopsyche</i>	09020604015	37.33	37.33	5	CF	2.3	2.3
<i>Hydropsyche</i>	09020604016	458.67	772.00	4	CF	28.8	48.5
<i>Hydropsyche morosa</i>	09020604016030	116.00			--	7.3	
<i>Hydropsyche slossonae</i>	09020604016031	45.33			--	2.8	
<i>Hydropsyche sparna</i>	09020604016032	152.00			--	9.5	
<i>Rhyacophila</i>	09020605019		5.33	2	PR		0.3
<i>Rhyacophila acutiloba</i>	09020605019056	1.33			PR	0.1	
<i>Rhyacophila fuscula</i>	09020605019060	2.67			PR	0.2	
<i>Rhyacophila minora</i>	09020605019063	1.33			PR	0.1	



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

<b>Station Number: S-674</b>	Waterbody: Wild River - Station 674	Town: Batchelders Grant Twp
<b>Log Number: 2838</b>	Subsample Factor: X4      Replicates: 3	Calculated: 10/19/2021
<b>Station Number: S-674</b>	Waterbody: Wild River - Station 674	Town: Batchelders Grant Twp
<b>Log Number: 2838</b>	Subsample Factor: X4      Replicates: 3	Calculated: 10/19/2021
<b>Station Number: S-674</b>	Waterbody: Wild River - Station 674	Town: Batchelders Grant Twp
<b>Log Number: 2838</b>	Subsample Factor: X4      Replicates: 3	Calculated: 10/19/2021
<b>Station Number: S-674</b>	Waterbody: Wild River - Station 674	Town: Batchelders Grant Twp
<b>Log Number: 2838</b>	Subsample Factor: X4      Replicates: 3	Calculated: 10/19/2021

Taxon	Maine Taxonomic Code	Count (Mean of Samplers)		Hilsenhoff Biotic Index	Functional Feeding Group	Relative Abundance %	
		Actual	Adjusted			Actual	Adjusted
<i>Brachycentrus</i>	09020609043		14.67	0	CF		0.9
<i>Brachycentrus appalachia</i>	09020609043096	14.67			--	0.9	
<i>Nigronia</i>	09020701003		1.33	0	PR		0.1
<i>Nigronia serricornis</i>	09020701003003	1.33			--	0.1	
<i>Hexatoma</i>	09021001008	1.33	1.33	2	PR	0.1	0.1
<i>Thienemannimyia</i>	09021011020		34.67	3	PR		2.2
<i>Thienemannimyia group</i>	09021011020041	34.67			--	2.2	
<i>Brillia</i>	09021011033	5.33	5.33	5	SH	0.3	0.3
<i>Corynoneura</i>	09021011036	18.67	18.67	7	CG	1.2	1.2
<i>Cricotopus</i>	09021011037	13.33	202.67	7	SH	0.8	12.7
<i>Cricotopus bicinctus</i>	09021011037057	189.33			--	11.9	
<i>Orthocladius</i>	09021011050	5.33	10.67	6	CG	0.3	0.7
<i>Orthocladius annectens</i>	09021011050092	5.33			--	0.3	
<i>Parametriocnemus</i>	09021011053	21.33	21.33	5	CG	1.3	1.3
<i>Rheocricotopus</i>	09021011057	2.67	2.67	6	CG	0.2	0.2
<i>Tvetenia</i>	09021011065		138.67	5	CG		8.7
<i>Tvetenia vitracies</i>	09021011065113	114.67			--	7.2	
<i>Tvetenia paucunca</i>	09021011065114	24.00			--	1.5	
<i>Micropsectra</i>	09021011070	24.00	24.00	7	CG	1.5	1.5
<i>Rheotanytarsus</i>	09021011072		40.00	6	CF		2.5
<i>Rheotanytarsus exiguus group</i>	09021011072127	29.33			CF	1.8	
<i>Rheotanytarsus pellucidus</i>	09021011072128	10.67			CF	0.7	
<i>Tanytarsus</i>	09021011076	21.33	21.33	6	CF	1.3	1.3
<i>Microtendipes</i>	09021011094		4.00	6	CF		0.3
<i>Microtendipes rydalensis group</i>	09021011094168	4.00			--	0.3	
<i>Polypedilum</i>	09021011102		61.33	6	SH		3.9
<i>Polypedilum aviceps</i>	09021011102181	56.00			--	3.5	
<i>Polypedilum tritum</i>	09021011102191	5.33			--	0.3	
<i>Simulium</i>	09021012047	45.33	45.33	4	CF	2.8	2.8
<i>Atherix</i>	09021015055	1.33	1.33	2	PR	0.1	0.1
<i>Hemerodromia</i>	09021016057	1.33	1.33	3	PR	0.1	0.1



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

<b>Station Number: S-674</b>	Waterbody: Wild River - Station 674	Town: Batchelders Grant Twp
<b>Log Number: 2838</b>	Subsample Factor: X4          Replicates: 3	Calculated: 10/19/2021
<b>Station Number: S-674</b>	Waterbody: Wild River - Station 674	Town: Batchelders Grant Twp
<b>Log Number: 2838</b>	Subsample Factor: X4          Replicates: 3	Calculated: 10/19/2021
<b>Station Number: S-674</b>	Waterbody: Wild River - Station 674	Town: Batchelders Grant Twp
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<b>Station Number: S-674</b>	Waterbody: Wild River - Station 674	Town: Batchelders Grant Twp
<b>Log Number: 2838</b>	Subsample Factor: X4          Replicates: 3	Calculated: 10/19/2021

Taxon	Maine Taxonomic Code	Count (Mean of Samplers)		Hilsenhoff Biotic Index	Functional Feeding Group	Relative Abundance %	
		Actual	Adjusted			Actual	Adjusted
<i>Optioservus</i>	09021113067		1.33	3	SC		0.1
<i>Optioservus tardella</i>	09021113067052	1.33			--	0.1	
<i>Promoresia</i>	09021113069	1.33	1.33		--	0.1	0.1





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

**Station Information**

<b>Station Number:</b> S-674	River Basin:	Androscoggin
Waterbody: Wild River - Station 674	HUC8 Name:	Lower Androscoggin
Town: Batchelders Grant Twp	Latitude:	44 22 14.12 N
Directions: NEAR FIRST WHITE MOUNTAINS NATIONAL FOREST SIGN	Longitude:	70 59 35.74 W
	Stream Order:	4

**Sample Information**

<b>Log Number:</b> 2838	Type of Sample:	ROCK BASKET	Date Deployed:	7/24/2020	
Subsample Factor:	X4	Replicates:	3	Date Retrieved:	7/24/2020

**Classification Attainment**

<b>Statutory Class:</b> A	<b>Final Determination:</b> C	Date:	3/3/2022
Model Result with $P \geq 0.6$ :	C	<b>Reason for Determination:</b>	Model
Date Last Calculated:	10/19/2021	Comments:	

**Model Probabilities**

<u>First Stage Model</u>		<u>C or Better Model</u>	
Class A	0.05	Class C	0.31
Class B	0.64	NA	0.00
<u>B or Better Model</u>		<u>A Model</u>	
Class A or B		Class A	0.12
Class C or Non-Attainment	0.78	Class B or C or Non-Attainment	0.88

**Model Variables**

01 Total Mean Abundance	1592.00	18 Relative Abundance Ephemeroptera	0.04
02 Generic Richness	36.00	19 EPT Generic Richness	16.00
03 Plecoptera Mean Abundance	17.33	21 Sum of Abundances: <i>Dicrotendipes</i> , <i>Micropsectra</i> , <i>Parachironomus</i> , <i>Helobdella</i>	24.00
04 Ephemeroptera Mean Abundance	62.67	23 Relative Generic Richness- Plecoptera	0.06
05 Shannon-Wiener Generic Diversity	2.99	25 Sum of Abundances: <i>Cheumatopsyche</i> , <i>Cricotopus</i> , <i>Tanytarsus</i> , <i>Ablabesmyia</i>	261.33
06 Hilsenhoff Biotic Index	4.61	26 Sum of Abundances: <i>Acroneuria</i> , <i>Maccaffertium</i> , <i>Stenonema</i>	9.33
07 Relative Abundance - Chironomidae	0.37	28 EP Generic Richness/14	0.57
08 Relative Generic Richness Diptera	0.47	30 Presence of Class A Indicator Taxa/7	0.43
09 <i>Hydropsyche</i> Abundance	772.00		
11 <i>Cheumatopsyche</i> Abundance	37.33		
12 EPT Generic Richness/ Diptera Generic Richness	0.94		
13 Relative Abundance - Oligochaeta	0.00		
15 Perlidae Mean Abundance (Family Functional Group)	17.33		
16 Tanypodinae Mean Abundance (Family Functional Group)	34.67		
17 Chironomini Abundance (Family Functional Group)	65.33		

**Five Most Dominant Taxa**

Rank	Taxon Name	Percent
1	<i>Hydropsyche</i>	48.49
2	<i>Cricotopus</i>	12.73
3	<i>Tvetenia</i>	8.71
4	<i>Polypedilum</i>	3.85
5	<i>Simulium</i>	2.85



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

**Station Number: S-674**      Town:      Batchelders Grant Twp      Date Deployed: 7/24/2020  
**Log Number: 2838**      Waterbody: Wild River - Station 674      Date Retrieved: 7/24/2020

**Sample Collection and Processing Information**

Sampling Organization: BIOMONITORING UNIT      Taxonomist: MICHAEL COLE

**Waterbody Information - Deployment**

Temperature:                      19.7 deg C  
Dissolved Oxygen:                9.59 mg/l  
Dissolved Oxygen Saturation:    106.8 %  
Specific Conductance:            14.2 uS/cm  
Velocity:                            73.2 cm/s  
pH:                                  6.57  
Wetted Width:                      31 m  
Bankfull Width:                    36 m  
Depth:                                44.3 cm

**Waterbody Information - Retrieval**

**Water Chemistry**

**Summary of Habitat Characteristics**

<u>Landuse Name</u>	<u>Canopy Cover</u>	<u>Terrain</u>
Upland Conifer	Open	Mountainous
Upland Hardwood		
<u>Potential Stressor</u>	<u>Location</u>	<u>Substrate</u>
Logging	Minimally Disturbed	Boulder                              40 %
		Gravel                                 10 %
		Rubble/Cobble                      40 %
		Sand                                    10 %

**Landcover Summary - 2004 Data**

Total Area (ac)	10655	High Int. Dev. %	0.0	Water %	0.0	Non-vegetated %	0.0
		Med Int. Dev. %	0.0	Wetland %	0.5	Tilled Agriculture %	0.0
		Low Int. Dev. %	0.2	Upland Woody %	99.2	Grassland %	0.0
		Development %	0.3	Natural %	99.7	Human Altered %	0.3
						Impervious %	0.4
Total Land (ac)	10650	High Int. Dev. %	0.0	Water %	N/A	Non-vegetated %	N/A
		Med Int. Dev. %	0.0	Wetland %	0.5	Tilled Agriculture %	0.0
		Low Int. Dev. %	0.2	Upland Woody %	99.2	Grassland %	0.0
		Development %	0.3	Natural %	99.7	Human Altered %	0.3
						Impervious %	0.4

**Sample Comments**



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Taxon	Maine Taxonomic Code	Count (Mean of Samplers)		Hilsenhoff Biotic Index	Functional Feeding Group	Relative Abundance %	
		Actual	Adjusted			Actual	Adjusted
<i>Paragnetina</i>	09020209049	1.33	5.33	1	PR	0.1	0.3
<i>Paragnetina immarginata</i>	09020209049149	4.00			--	0.3	
<i>Aagnetina</i>	09020209050		12.00	2	PR		0.8
<i>Aagnetina capitata</i>	09020209050152	12.00		2	PR	0.8	
<i>Baetis</i>	09020401001	1.33	6.67	4	CG	0.1	0.4
<i>Baetis flavistriga</i>	09020401001004	2.67			--	0.2	
<i>Baetis pluto</i>	09020401001009	1.33			--	0.1	
<i>Baetis tricaudatus</i>	09020401001012	1.33			--	0.1	
<i>Acerpenna</i>	09020401007		4.00	5	CG		0.3
<i>Acerpenna macdunnoughi</i>	09020401007001	4.00			--	0.3	
<i>Plauditus</i>	09020401012	40.00	40.00		CG	2.5	2.5
<i>Maccaffertium</i>	09020402015	9.33	9.33	4	SC	0.6	0.6
<i>Serratella</i>	09020410037		1.33	2	CG		0.1
<i>Serratella serratoides</i>	09020410037124	1.33			--	0.1	
<i>Tricorythodes</i>	09020411038	1.33	1.33	4	CG	0.1	0.1
<i>Dolophilodes</i>	09020601001		32.00	0	CF		2.0
<i>Dolophilodes distincta</i>	09020601001001	32.00			--	2.0	
<i>Chimarra</i>	09020601003	4.00	4.00	2	CF	0.3	0.3
<i>Neureclipsis</i>	09020603008	6.67	6.67	7	CF	0.4	0.4
<i>Arctopsyche</i>	09020604012		1.33		CF		0.1
<i>Arctopsyche ladogensis</i>	09020604012022	1.33			--	0.1	
<i>Cheumatopsyche</i>	09020604015	37.33	37.33	5	CF	2.3	2.3
<i>Hydropsyche</i>	09020604016	458.67	772.00	4	CF	28.8	48.5
<i>Hydropsyche morosa</i>	09020604016030	116.00			--	7.3	
<i>Hydropsyche slossonae</i>	09020604016031	45.33			--	2.8	
<i>Hydropsyche sparna</i>	09020604016032	152.00			--	9.5	
<i>Rhyacophila</i>	09020605019		5.33	2	PR		0.3
<i>Rhyacophila acutiloba</i>	09020605019056	1.33			PR	0.1	
<i>Rhyacophila fuscula</i>	09020605019060	2.67			PR	0.2	
<i>Rhyacophila minora</i>	09020605019063	1.33			PR	0.1	



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		Actual	Adjusted			Actual	Adjusted
<i>Brachycentrus</i>	09020609043		14.67	0	CF		0.9
<i>Brachycentrus appalachia</i>	09020609043096	14.67			--	0.9	
<i>Nigronia</i>	09020701003		1.33	0	PR		0.1
<i>Nigronia serricornis</i>	09020701003003	1.33			--	0.1	
<i>Hexatoma</i>	09021001008	1.33	1.33	2	PR	0.1	0.1
<i>Thienemannimyia</i>	09021011020		34.67	3	PR		2.2
<i>Thienemannimyia group</i>	09021011020041	34.67			--	2.2	
<i>Brillia</i>	09021011033	5.33	5.33	5	SH	0.3	0.3
<i>Corynoneura</i>	09021011036	18.67	18.67	7	CG	1.2	1.2
<i>Cricotopus</i>	09021011037	13.33	202.67	7	SH	0.8	12.7
<i>Cricotopus bicinctus</i>	09021011037057	189.33			--	11.9	
<i>Orthocladius</i>	09021011050	5.33	10.67	6	CG	0.3	0.7
<i>Orthocladius annectens</i>	09021011050092	5.33			--	0.3	
<i>Parametriocnemus</i>	09021011053	21.33	21.33	5	CG	1.3	1.3
<i>Rheocricotopus</i>	09021011057	2.67	2.67	6	CG	0.2	0.2
<i>Tvetenia</i>	09021011065		138.67	5	CG		8.7
<i>Tvetenia vitracies</i>	09021011065113	114.67			--	7.2	
<i>Tvetenia paucunca</i>	09021011065114	24.00			--	1.5	
<i>Micropsectra</i>	09021011070	24.00	24.00	7	CG	1.5	1.5
<i>Rheotanytarsus</i>	09021011072		40.00	6	CF		2.5
<i>Rheotanytarsus exiguus group</i>	09021011072127	29.33			CF	1.8	
<i>Rheotanytarsus pellucidus</i>	09021011072128	10.67			CF	0.7	
<i>Tanytarsus</i>	09021011076	21.33	21.33	6	CF	1.3	1.3
<i>Microtendipes</i>	09021011094		4.00	6	CF		0.3
<i>Microtendipes rydalensis group</i>	09021011094168	4.00			--	0.3	
<i>Polypedilum</i>	09021011102		61.33	6	SH		3.9
<i>Polypedilum aviceps</i>	09021011102181	56.00			--	3.5	
<i>Polypedilum tritum</i>	09021011102191	5.33			--	0.3	
<i>Simulium</i>	09021012047	45.33	45.33	4	CF	2.8	2.8
<i>Atherix</i>	09021015055	1.33	1.33	2	PR	0.1	0.1
<i>Hemerodromia</i>	09021016057	1.33	1.33	3	PR	0.1	0.1



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		Actual	Adjusted			Actual	Adjusted
<i>Optioservus</i>	09021113067		1.33	3	SC		0.1
<i>Optioservus tardella</i>	09021113067052	1.33			--	0.1	
<i>Promoresia</i>	09021113069	1.33	1.33		--	0.1	0.1