

Appendix 3
2021 Electrofishing Factored Data

Table 1: Fry factored calculation Nepisiguit River 2021

SITES:	Site area (m²)	Estimated Fry Density/100m²	m² x Estimated Density
V Pool	533.80	5.62	2999.96
B-Above Counting fence	293.94	30.62	9000.44
C-Below Pabineau Brook	667.30	47.45	31663.39
E-Below Counting fence	299.21	45.67	13664.92
D-Below Cable Pool	363.57	13.75	4999.09
Above Black Meadow Pool	298.68	29.02	8667.69
Long Pool	326.03	1.02	332.55
Mouth of Gordon Meadow	594.98	10.64	6330.59
Below Knights Brook	354.20	0.94	332.95
Above Knights Brook	493.99	9.45	4668.21

Total 4225.70 m²

Total 82659.78

$$82659.78 \div 4225.70 = 19.56$$

Factored calculation 19.56

Table 2: Parr factored calculation Nepisiguit River 2021

SITES:	Site area (m ²)	Estimated Parr Density/100m ²	m ² x Estimated Density
V Pool	533.80	0.62	330.96
B-Above Counting fence	293.94	0	0.00
C-Below Pabineau Brook	667.30	.99	660.63
E-Below Counting fence	299.21	0	0.00
D-Below Cable Pool	363.57	2.75	999.82
Above Black Meadow Pool	298.68	7.81	2332.69
Long Pool	326.03	4.09	1333.46
Mouth of Gordon Meadow	594.98	2.80	1665.94
Below Knights Brook	354.20	16.94	6000.15
Above Knights Brook	493.99	9.45	4668.21

Total 4225.70 m²

Total 17991.85

$17991.85 \div 4225.70 = 4.26$

Factored calculation 4.26

Table 3: Tetagouche River total factored fry and parr density / 100m²

Site #	total (m ²)	Fry/100m ²	Parr/100m	Fry Factored	Parr Factored
1					
1B					
2					
2A					
4					
Total					

(Stream not done in 2020 and 2021)

Table 4: Middle River total factored fry and parr density / 100m²

Site #	total (m ²)	Fry/100m ²	Parr/100m ²	Fry Factored	Parr Factored
1					
2					

4					
5					
6					

--	--

(Stream not done in 2020 and 2021)

Table 5: Bass River total factored fry and parr density /100m²

Site #	total (m ²)	Fry/100m ²	Parr/100m ²	Fry Factored	Parr Factored
1					
2					
3					

--	--

(Stream not done in 2020 and 2021)

Table 6: Nigadoo River total factored fry and parr density / 100m²

Site #	total (m ²)	Fry/100m ²	Parr/100m ²	Fry Factored	Parr Factored
1					
2					
3					
4					

--	--

(Stream not done in 2020 and 2021)

Table 7: Pabineau Brook total factored fry and parr density / 100m²

Site #	total (m ²)	Fry/100m ²	Parr/100m ²	Fry Factored	Parr Factored
3A	204.96	8.13	1666.32	29.27	5999.18
3C	376.48	3.54	1332.74	6.20	2334.18
Rt.360	526.50	5.12	2695.68	11.06	5823.09

1107.94 5694.74 14156.45

5.14	12.78
-------------	--------------

$5694.74 \div 1107.94 = 5.14$ $14156.45 \div 1107.94 = 12.78$

Table 8: Gordon Meadow Brook total factored fry and parr density / 100m²

Site #	total (m ²)	Fry/100m ²	Parr/100m ²	Fry Factored	Parr Factored
1B	307.71	90.99	27998.53	10.83	3332.50
2A	106.36	12.33	1311.42	14.61	1553.92
2B	0.00	0.00	0.00	0	0
414.07		29309.95		4886.42	
				70.78	11.80

$29309.95 \div 414.07 = 70.78$ $4886.42 \div 414.07 = 11.80$

Table 9: Elm Tree River total factored fry and parr density / 100m²

Site #	total (m ²)	Fry/100m ²	Parr/100m ²	Fry Factored	Parr Factored
1					
2					

(Stream not done in 2020 and 2021)

Table 10: Millstream total factored fry and parr density/100m²

Site #	total (m ²)	Fry/100m ²	Parr/100m ²	Fry Factored	Parr Factored
1					
2					
3					

(Stream not done in 2020 and 2021)

Table 11: Little River total factored fry and parr density/100m²

Site #	total (m ²)	Fry/100m ²	Parr/100m ²	Fry Factored	Parr Factored
NB13	177.45	56.27	9985.11	16.37	2904.86
NB13a	170.31	1.96	333.81	1.96	333.81
SB1	181.60	0.00	0	3.67	666.47
529.36		10318.92		3905.14	
				19.49	7.38

$10318.92 \div 529.36 = 19.49$ $3905.14 \div 529.36 = 7.38$

Table 12

Location	# of Sites	Fry Density 100m²	Parr Density 100m²
Nepisiguit	10	19.56	4.26
Pabineau	3	5.14	12.78
Gordon Meadow	2	70.78	11.80
Middle River	0	0	0
Tetagouche	0	0	0
Elm Tree River	0	0	0
Bass River	0	0	0
Millstream	0	0	0
Nigadoo	0	0	0
Little River	3	19.49	7.38

Table 12- 2021 Factored density fry and parr per 100m² / system**Table 13**

Stream	Class	1981	1982	1983	1984	1985	1986	1987	1988	1989
Nepisiguit	Fry	2.98	2.15	5.89	4.36	3.63	9.67	7.75	24.08	15.56
River	Parr	4.56	4.92	3.69	5.21	3.08	6.03	4.9	2.18	5.64
Pabineau	Fry	5.14	22.24	9.43	3.23	5.33	10.19	4.82	9.9	11.8
Brook	Parr	7.41	6.11	14.2	5.62	0.34	2.93	4.08	2.45	4.3
Gordon	Fry	2.4	10.3	6.79	1.07	3.39	2.24	4.2	0	27.25
Meadow Bk	Parr	4.7	1.28	8.59	2.32	0.66	2.1	6.17	0	10.15
Middle	Fry	0	0	38.1	7.18	1.73	1.32	34.96	32.98	30
River	Parr	0	0	7.84	6.19	5.64	3.8	3.58	8.69	12.86
Stream	Class	1990	1991	1992	1993	1994	1995	1996	1997	1998
Nepisiguit	Fry	24.32	15.23	14.84	18.7	21	21.6	13.5	39.5	36.3
River	Parr	9.68	7.18	9.7	4.5	3.1	3.9	3.9	3	15.4
Pabineau	Fry	7.83	17.86	24.88	8.48	13.5	2.9	8.6	2	8.3
Brook	Parr	4.95	4.35	10.03	8.54	8.5	8.2	10.2	8.2	3.9
Gordon	Fry	7	67.4	56.51	17	114.8	28.4	59.2	48.8	26.1
Meadow Bk	Parr	3.52	9.46	25.91	34.2	13.4	21.1	20	15.5	15.1
Middle	Fry	5.42	10.6	78.55	18.82	64.9	28.9	12.9	6	11.5

River	Parr	22.87	20.82	17.5	18.48	11.2	37.3	24.5	6.8	9.5
Bass	Fry	0	0	0	0	0	10.7	0.5	0.1	2.22
River	Parr	0	0	0	0	0	27.1	8.4	4	5.21
Nigadoo	Fry	0	0	0	0	7.3	14.3	5.8	21.1	20
River	Parr	0	0	0	0	11.2	13.2	6.8	7.2	9.7
Tetagouche	Fry	0	28	33.9	53.5	64.98	84.9	67.1	27	67.1
River	Parr	0	8.1	3.8	6.3	7.31	9.9	6.9	7.9	12.00
Millstream	Fry	0	0	0	0	0	33.1	64	1	204
River	Parr	0	0	0	0	0	30.4	44.4	40.9	68.2
Stream	Class	1999	2000	2001	2002	2003	2004	2005	2006	2007
Nepisiguit	Fry	41.7	34.91	26.98	48.66	15.3	41.01	17.6	18.8	18.3
River	Parr	8.8	6.24	5.46	4.97	4.9	3.95	2.74	1.43	6.95
Pabineau	Fry	25.37	53.03	19.73	4.94	0.82	40.4	11.5	20	14.5
Brook	Parr	4.4	9.91	18.83	10.81	6.43	6.09	1.9	7.2	28
Gordon	Fry	87.8	88.75	33.15	10.1	2.04	14.7	31	21.6	7.4
Meadow Bk	Parr	28.97	12.81	19.05	8.39	3.64	5.9	7.6	4.3	4.3
Middle	Fry	46.5	79.41	17.76	46.69	8.4	91.2	23.7	24.9	35.8
River	Parr	16.8	24.83	38.79	31.12	13.2	18.03	18.7	14.6	23.6
Bass	Fry	17.03	41.44	0.48	0.41	1.94	16.8	10.2	9.8	6.4
River	Parr	4.13	5.28	17.5	4.99	4.9	2.8	4.8	13.1	17.2
Nigadoo	Fry	25.68	12.94	5.73	3.48	6.8	59.3	8.6	6.3	6.97
River	Parr	18.8	13.38	19.56	8.69	8.9	19.2	22.6	27.6	30.1
Tetagouche	Fry	77.65	65.23	42.11	79.4	32.4	20.5	18.5	32.6	34.4
River	Parr	14.46	4.52	7.89	12.01	12.3	7.82	7.2	7.9	26.3
*Millstream	Fry	216.9	248.66	47.1	117.9	48.3	182.7	101.8	124	98.8
River	Parr	79.1	50.93	116.4	59.3	96.6	68.5	63.2	89.6	91.3
Elm tree	Fry	18.9	5.31	0.19	0	3.7	12.7	31.7	2	16.7
River	Parr	9.14	9.56	12.62	6.4	6.6	8.22	29.3	24.8	1.8

Table 13: History of factored density fry and parr per 100m²/ system

