ACHI_T_05 ACHI_T_06 BEAV_T_01 Beaver BEAV_T_02 COEU_T_03 COEU T 04 Coeur COEU T 01 COEU T 02 CORN T 01 CORN T 02 Cornu CORN_T_03 CORN T 04 CORR T 01 Corriveau CORR T 02 CROC T 01 Croche CROC T 04 CROC T 06 CROM_T_02 CROM T 03 Cromwell

TABLE S11. Transect sites water and habitat characteristics. The results are grouped by lake.									
	Sampling_ID	Temperature (°C)	Conductivity (μS/cm)	Dissolved oxygen (%)	Turbidity (NTU)	рН	TOC (mg/L)	TN (mg/L)	TP (mg,
	ACHI_T_01	25.2	56.6	8.37	0.06	7.25	4.75	232.49	4.30
Achigan	ACHI_T_02	24.3	55.2	8.55	0.38	7.38	4.67	259.85	6.21
	ACHI_T_03	24.5	55.7	8.66	0.17	7.56	4.75	299.75	5.88
	ACHI_T_04	24.5	55.6	8.67	0.18	7.38	4.67	238.19	5.45

23.6

24.3

23.0

22.7

23.0

22.8

23.6

23.3

22.6

22.5

22.6

22.6

20.3

21.0

21.3

21.9

21.6

19.7

19.6

19.8

24.6

23.5

25.0

23.4

23.3

24.9

24.5

24.6

22.6

23.2

22.8

23.2

22.3

24.8

24.0

21.0

20.9

20.7

22.3

22.8

24.1

23.0

20.9

20.9

CROM T 04

ECHO T 05

ECHO T 01

ECHO_T_02

ECHO T 03

ECHO T 04

FOUR T 01

FOUR_T_02

FOUR T 03

MONT_T_01

MONT_T_03

MORE_T_03

MORE T 04

MORE_T_01

MORE_T_02

PINR_T_01

PINR_T_02

PINR_T_03

STON_T_02

STON_T_01

TRAC_T_02

TRAC_T_01

TRIT_T_01

TRIT_T_02

Montaubois | MONT T 02

Echo

Fournelle

Morency

Pin rouge

St-Onge

Tracy

Triton

0.24

0.16

1.78

1.88

0.20

0.28

0.29

0.33

0.74

0.41

1.34

0.13

0.49

0.39

0.38

0.19

0.24

0.91

0.56

0.49

1.56

1.80

3.50

1.54

2.12

0.76

1.58

1.33

0.03

0.08

0.02

0.42

0.43

2.38

4.32

0.39

0.35

0.12

1.45

1.36

0.03

0.08

1.19

0.82

6.83

6.98

6.60

6.77

7.13

7.38

7.25

7.33

6.87

6.77

7.61

5.76

6.10

6.09

5.89

6.05

5.76

5.89

8.25

8.00

8.17

8.15

7.96

6.68

7.38

7.61

6.44

6.52

6.64

8.17

8.28

8.50

8.16

6.74

6.42

7.01

6.55

6.18

6.35

6.45

5.99

5.69

8.78

8.60

8.87

8.82

8.26

8.26

8.37

8.38

8.69

8.00

8.10

9.10

8.06

8.27

7.84

8.20

7.71

6.66

4.56

5.45

10.18

9.84

10.07

9.77

9.71

8.44

8.94

8.78

8.26

8.01

8.17

9.29

9.52

10.38

9.53

7.70

8.13

8.08

7.64

7.10

8.24

8.31

7.52

7.55

56.1

55.9

26.0

26.0

53.4

53.2

53.8

53.5

147.8

149.6

152.3

147.8

19.1

19.1

14.2

14.3

14.2

19.2

19.6

19.6

166.3

174.3

171.0

159.9

159.6

62.5

60.7

60.7

60.9

61.5

61.7

128.6

126.1

132.7

129.3

45.5

45.9

45.7

94.4

99.1

72.9

71.1

14.3

14.2

4.78

4.83

9.15

9.17

5.60

5.64

5.75

5.63

3.97

4.05

4.05

4.13

8.42

8.25

6.36

5.39

6.30

7.57

7.81

5.67

5.58

5.75

5.65

5.72

5.41

5.42

5.37

3.88

3.67

3.70

4.25

4.30

4.49

4.30

8.27

8.29

8.15

13.30

13.10

3.87

3.31

7.09

7.93

5.72 7.87

242.75

240.47

331.67

341.93

419.45

370.43

324.83

292.91

374.99

357.89

332.81

260.99

298.61

TP

(mg/L)

4.3049

6.2188

5.8841

5.4528

6.6700

4.7597

7.3317

6.9554

9.5510

8.4576

6.9125

7.6265

13.9793

8.7511

7.0791

8.0571

8.8069

381.83 11.5249

341.93 11.8224

361.31 10.7160

520.91 13.1379

492.41 13.4672

519.77 15.7477

593.87 19.3587

328.25 10.2989

15.8648

9.0404

7.4852

6.1110

5.5773

5.0967

8.4191

6.6601

7.5123

6.8925

13.4307

8.1835

25.7782

8.6231

4.8220

9.5666

379.55 10.1204 166

502.67 13.6476

530.03 17.6344

511.79

311.15

308.87

303.17

239.33

265.55

355.61

355.61

356.75

341.93

460.49

408.05

656.57

467.33

272.39

386.39

400.07 12.4658

394.37 14.9332

487.85 18.4269

499.25 19.4058

Mean

depth

(cm)

118.5

79.0

115.0

147.0

37.5

66.0

NA

NA

80.0

108.0

187.5

62.5

370.0

39.5

44.5

45.0

107.0

89.5

73.5

97.0

94.0

76.0

84.5

117.0

52.0

50.5

39.5

41.3

51.0

82.0

125.5

61.5

NA

NA

NA

129.0

58.0

30.5

168.0

32.5

56.5

26.5

NA

NA

NA

NA

128.5

121.0

Boulder

(%)

20.2

11.0

49.5

33.0

1.6

15.7

NA

NA

45.6

27.1

29.5

33.7

37.0

0.0

2.6

16.5

8.5

24.5

0.0

1.5

2.9

27.0

15.0

4.4

9.0

7.2

10.5

2.0

5.5

0.1

3.2

0.0

NA

NA

NA

40.5

27.5

7.8

41.0

0.0

17.0

0.0

NA

NA

NA

NA

1.2

4.0

Macrophyte

(%)

3.8

1.4

6.9

0.2

36.7

2.2

NA

NA

9.0

10.6

2.3

22.0

0.0

25.0

75.5

14.9

35.0

27.5

39.5

10.1

3.3

56.0

61.5

69.0

58.5

53.5

49.0

1.1

11.5

31.5

9.6

8.5

NA

NA

NA

13.5

57.3

8.5

5.9

61.0

23.3

9.2

NA

NA

NA

NA

57.5

41.0

Sand

(%)

5.0

1.5

0.0

0.0

43.8

11.5

NA

NA

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

6.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

19.0

13.0

0.0

0.0

0.0

0.0

NA

NA

NA

0.0

3.0

0.0

0.7

0.0

9.0

0.7

NA

NA

NA

NA

0.0

0.0

79 80.0 0.0 6.0

Silt

(%)

0.0

4.0

28.7

0.0

9.0

0.0

NA

NA

33.9

57.0

43.0

36.5

62.0

100.0

97.4

18.0

77.5

57.5

100.0

97.5

50.5

71.0

89.8

84.0

87.0

59.5

0.0

75.0

96.9

95.4

100.0

NA

NA

NA

24.5

53.0

88.5

42.8

100.0

69.5

98.8

NA

NA

NA

NA

98.8

91.5

Trunk

15

13

26

9

12

NA

NA

9

80

16

380

45

11

18

108

33

52

171

73

27

53

10

45

27

21

17

41

26

57

NA

NA

NA

83

31

15

94

37

20

NA

NA

NA

NA

27

Rock

(%)

74.8

83.5

20.8

67.0

45.6

72.8

NA

NA

20.5

15.9

27.5

29.8

1.0

0.0

0.0

65.5

14.0

12.0

0.0

1.0

46.1

14.0

5.8

7.0

5.8

10.5

85.0

19.5

3.0

0.0

NA

NA

NA

35.5

16.5

3.6

16.5

0.0

4.5

0.5

NA

NA

NA

NA

0.0

4.5