TABLE S11. Transect sites water and habitat characteristics. The results are grouped by lake. Sampling ID ACHI_T_01 ACHI T 02 ACHI_T_03 Achigan ACHI_T_04 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 Cromwell CROM T 03 CROM T 04 ECHO T 05 ECHO_T_01 Echo ECHO_T_02 ECHO_T_03 ECHO T 04 FOUR T 01 FOUR_T_02 Fournelle

Dissolved

oxygen (%)

8.37

8.55

8.66

8.67

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

Turbidity

(NTU)

0.06

0.38

0.17

0.18

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

7.25

7.38

7.56

7.38

6.83

6.98

6.60

6.77

7.13

6.78

7.38

7.25

7.33

6.87

6.77

7.61

5.76

6.10

6.09

5.89

6.05

5 72

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

TOC

(mg/L)

4.75

4.67

4.75

4.67

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 87

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

ΤN

(mg/L)

232.49

259.85

299.75

238.19

242.75

240.47

487.85

499.25

331.67

341.93

419.45

370.43

324.83

292.91

374.99

357.89

400.07

394.37

332.81

260.99

298.61

381 83

341.93

361.31

520.91

492.41

511.79

519 77

593.87

311.15

328.25

308.87

303.17

239.33

265.55

355.61

355.61

356.75

341.93

502.67

460.49

408.05

656.57

530.03

467.33

272.39

386.39

379.55

TP

(mg/L)

4.3049

6.2188

5.8841

5.4528

6.6700

4.7597

18.4269

19.4058

7.3317

6.9554

9.5510

8.4576

6.9125

7.6265

13.9793

8.7511

12.4658

14.9332

7.0791

8.0571

8.8069

11.5249

11.8224

10.7160

13.1379

13.4672

15.8648

15.7477

19.3587

9.0404

10.2989

7.4852

6.1110

5.5773

5.0967

8.4191

6.6601

7.5123

6.8925

13.6476

13.4307

8.1835

25.7782

17.6344

8.6231

4.8220

9.5666

10.1204

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

80.0

71.0

89.8

84.0

87.0

59.5

0.0

75.0

96.9

95.4

100.0

NA

NA

NΑ

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

1

12

NA

NA

9

79

80

16

380

45

11

18

108

33

52

171

73

79

27

53

10

45

27

21

17

41

26

57

NA

NA

NA

83

31

15

94

5

37

20

NA

NA

NA

NA

27

166

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

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

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

60

14.0

5.8

7.0

5.8

10.5

85.0

19.5

3.0

1.2

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

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

Conductivity

(µS/cm)

56.6

55.2

55.7

55.6

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

Temperature

(°C)

25.2

24.3

24.5

24.5

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

197

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

FOUR_T_03

MONT_T_01

MONT_T_02

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

Morency

Pin rouge

St-Onge

Tracy

Triton

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