

## APPENDIX H

### PERIPHYTON

Phosphorus, Nitrogen and Carbon Content  
of Periphyton from Selected Sub-Samples

APPENDIX H

PHOSPHORUS, NITROGEN AND CARBON CONTENT OF PERIPHYTON  
FROM SELECTED SUB-SAMPLES

LAKE (Station)	DATE	TOTAL PHOSPHORUS (mg/cm <sup>2</sup> )	TOTAL NITROGEN (mg/cm <sup>2</sup> )	TOTAL CARBON (mg/cm <sup>2</sup> )
OSOYOOS				
ST. #1	June 21/71 July 5/71 July 19/71 August 2/71 August 30/71 Sept. 13/71 Average	11.1 15.1 18.4 12.2 8.3 24.9 15.0	133.9     58.9	1.16     0.46
ST. #2	May 10/71 May 24/71 June 7/71 June 21/71 July 19/71 August 2/71 August 16/71 August 30/71 Average	19.2 8.9 8.3 9.6 4.2 8.3 2.9 3.2 8.0	53.4    57.8   42.2	1.40    0.64   0.60
ST. #3	May 10/71 May 24/71 June 7/71 June 21/71 July 5/71 July 19/71 Sept. 13/71 Average	8.6 2.2 9.0 8.6 3.2 15.7 4.5 7.4	46.7     61.1 50.0	0.54     0.48
ST. #4	May 10/71 May 24/71 June 7/71 June 21/71 July 5/71 July 19/71 August 2/71 August 16/71 Sept. 13/71 Average	6.5 2.2 9.0 8.0 9.7 6.1 11.6 1.2 5.7 6.6	47.8     113.3  31.1	1.01     0.38
SKAHA				
ST. #1	June 3/71 June 17/71 July 1/71 July 15/71 July 29/71 August 12/71 August 26/71 Average	5.5 8.3 19.2 16.1 16.3 32.5 10.5 16.5	57.1   86.6  113.7	0.56   2.48  2.87
ST. #2	May 6/71 May 20/71 June 3/71 June 17/71 July 15/71 July 29/71 August 12/71 Average	0.5 0.3 30.8 9.6 7.4 2.6 3.5 7.8	123.4     41.1	0.54     0.38
ST. #3	May 6/71 May 20/71 June 3/71 June 17/71 June 1/71 July 15/71 July 29/71 August 12/71 Average	1.1 1.7 19.6 9.1 2.8 0.8 0.9 2.2 4.8	226.7     64.5 37.8	1.04     0.41 0.32

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LAKE (Station)	DATE	TOTAL PHOSPHORUS (mg/cm <sup>2</sup> )	TOTAL NITROGEN (mg/cm <sup>2</sup> )	TOTAL CARBON (mg/cm <sup>2</sup> )
OKANAGAN				
ST. #1	May 7/71	0.9	8.9	0.10
	May 21/71	2.4		
	June 4/71	9.7		
	June 18/71	9.6	34.5	0.26
	July 2/71	10.4		
	July 30/71	6.3		
	August 13/71	5.8		
	August 27/71	6.9		
	Sept. 15/71	8.8		
Average	6.8	8.8	0.55	
ST. #2	May 7/71	23.9	70.0	1.84
	May 21/71	24.3		
	June 4/71	17.6	22.8	1.78
	July 30/71	4.4		
	August 13/71	7.3		
	August 27/71	7.8		
	Sept. 15/71	8.1		
Average	13.3	53.4	0.66	
ST. #3	May 7/71	1.4	7.2	0.11
	June 4/71	8.8		
	June 18/71	12.6	180.0	0.98
	July 2/71	16.4		
	July 30/71	2.5		
	Average	8.3		
ST. #4	May 21/71	8.0	64.5	0.52
	June 18/71	0.4		
	Average	4.2	10.0	0.12
ST. #5	May 12/71	15.9	33.4	0.34
	June 18/71	13.5		
	Average	14.7		
ST. #6	May 16/71	5.5	14.5	0.18
	May 28/71	0.8		
	June 25/71	9.9	126.7	0.62
	July 9/71	8.7		
	Average	6.2		
ST. #7	May 16/71	2.5	21.1	0.18
	May 28/71	1.1		
	July 9/71	6.3	73.4	0.40
	August 6/71	6.1		
	August 20/71	5.8		
	Average	4.4		
ST. #8	May 16/71	0.6	8.4	0.70
	June 25/71	0.3		
	July 9/71	5.6	37.8	0.18
	Average	2.2		

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LAKE (Station)	DATE	TOTAL PHOSPHORUS (mg/cm <sup>2</sup> )	TOTAL NITROGEN (mg/cm <sup>2</sup> )	TOTAL CARBON (mg/cm <sup>2</sup> )	
<b>KALAMALKA</b>					
ST. #1	May 5/71	5.7	66.7	0.71	
	May 20/71	7.0			
	June 2/71	1.7			
	June 16/71	3.0	72.2	0.43	
	July 14/71	6.7			
	July 29/71	2.9			
	August 25/71	6.2			
	Average	5.0	11.1	0.10	
	ST. #2	May 5/71	0.2	14.5	0.20
		May 20/71	0.6		
June 2/71		0.5			
June 16/71		2.1			
July 14/71		0.3	32.2	0.21	
July 29/71		2.7			
August 11/71		1.4			
Average		1.1	21.1	0.25	
ST. #3	May 5/71	0.5	12.2	0.11	
	May 20/71	1.0			
	June 2/71	1.7			
	June 16/71	4.9			
	June 30/71	1.3	43.4	0.25	
	July 14/71	3.0			
	July 29/71	4.0			
	August 25/71	1.6			
	Sept. 8/71	2.9	20.0	0.17	
	Average	2.3			
<b>VASEUX</b>					
ST. #1	May 13/71	13.1	47.8	0.41	
	May 27/71	15.2			
	June 10/71	7.7			
	June 24/71	9.7			
	July 22/71		104.5	0.72	
	August 19/71	7.4			
	Sept. 16/71	15.7			
	Average	11.5	53.4	0.48	
ST. #2	May 6/71	18.7	55.6	0.65	
	May 27/71	17.9			
	June 10/71	15.3			
	June 24/71	13.9			
	July 8/71	10.1	143.3	1.12	
	July 22/71	15.4			
	August 5/71	11.8			
	August 19/71	9.6			
	Sept. 2/71	10.9	132.2	0.95	
	Sept. 16/71	19.6			
Average	13.1				
<b>WOOD</b>					
ST. #1	May 5/71	5.8	7.2	0.03	
	May 19/71	10.4			
	June 2/71	9.8			
	July 14/71	6.0	56.7	0.54	
	August 11/71	6.5			
	Average	7.7	78.9	0.59	
ST. #2	May 5/71	11.3	44.5	0.41	
	May 19/71	12.2			
	June 2/71	10.0			
	June 16/71	13.1	418.9	1.90	
	June 30/71	24.3			
	Average	14.1			