

WAQ 1 Appendix 1

*Daily Summary Statistics of
Hourly Temperature Measurements*

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WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	SWREI						SW1TR						SW2TR						
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	
4/14/99																			
4/15/99																			
4/16/99																			
4/17/99																			
4/18/99																			
4/19/99																			
4/20/99																			
4/21/99																			
4/22/99																			
4/23/99																			
4/24/99																			
4/25/99																			
4/26/99	4/27: Initial deployment						4/27: Initial deployment												
4/27/99	11	6.6	5.8	4.9	0.6	1.7	9	6.3	6.1	6.0	0.1	0.3							
4/28/99	24	7.4	5.4	4.1	1.2	3.3	24	6.7	6.3	6.0	0.2	0.7							
4/29/99	24	8.8	6.0	3.8	1.8	5.0	24	7.1	6.6	6.2	0.3	0.9							
4/30/99	24	8.6	6.3	4.1	1.6	4.5	24	7.1	7.0	6.8	0.1	0.3							
5/1/99	24	6.5	5.8	5.4	0.3	1.1	24	7.1	6.9	6.5	0.2	0.6							
5/2/99	24	5.2	4.8	4.1	0.4	1.1	24	6.8	6.4	6.0	0.2	0.8							
5/3/99	24	6.5	5.2	4.3	0.8	2.2	24	7.1	7.0	6.8	0.1	0.3							
5/4/99	24	5.9	4.9	4.0	0.7	1.9	24	6.8	6.5	6.2	0.2	0.6							
5/5/99	24	8.3	5.8	3.8	1.7	4.5	24	7.1	6.4	5.9	0.4	1.2							
5/6/99	24	6.8	5.9	4.9	0.6	1.9	24	7.8	7.6	7.3	0.1	0.5							
5/7/99	24	5.5	4.5	3.8	0.5	1.7	24	7.6	7.1	6.7	0.3	0.9							
5/8/99	24	6.2	4.9	3.7	1.0	2.5	24	7.1	6.8	6.3	0.2	0.8							
5/9/99	24	6.9	5.3	4.0	1.0	2.9	24	7.3	7.0	6.8	0.2	0.5							
5/10/99	24	8.0	5.6	3.7	1.6	4.3	24	7.4	7.1	6.8	0.2	0.6							
5/11/99	24	6.5	5.4	4.3	0.8	2.2	24	7.8	7.4	7.3	0.1	0.5							
5/12/99	24	7.6	6.1	4.9	0.9	2.7	24	7.8	7.1	6.7	0.4	1.1							
5/13/99	24	7.7	5.9	4.4	1.0	3.3	24	6.7	6.3	6.2	0.1	0.5							
5/14/99	24	7.7	6.1	4.9	0.9	2.8	24	7.0	6.8	6.3	0.2	0.7							
5/15/99	24	6.0	5.6	5.1	0.3	0.9	24	7.4	7.2	7.0	0.2	0.4							
5/16/99	24	7.9	6.3	4.9	1.1	3.0	24	7.9	7.4	7.0	0.3	0.9							
5/17/99	24	7.1	6.2	5.5	0.5	1.6	24	7.9	7.5	7.3	0.2	0.6	5/18: Initial deployment						
5/18/99	24	6.9	6.0	5.4	0.5	1.5	24	7.9	7.5	7.1	0.2	0.8	10	7.5	7.5	7.3	0.1	0.2	
5/19/99	24	7.7	5.8	4.3	1.3	3.4	24	7.8	7.5	7.3	0.1	0.5	24	8.0	7.6	7.2	0.3	0.8	
5/20/99	24	8.0	6.1	4.4	1.3	3.6	24	8.1	7.6	7.3	0.2	0.8	24	7.8	7.5	7.3	0.2	0.5	
5/21/99	24	8.9	6.6	4.8	1.5	4.1	24	7.8	7.4	7.1	0.2	0.7	24	7.8	7.5	7.2	0.2	0.6	
5/22/99	24	9.9	7.0	4.6	1.9	5.3	24	8.5	7.9	7.4	0.3	1.1	24	8.3	7.7	7.0	0.5	1.3	

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Date	SWREI						SWITR						SW2TR					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
5/23/99	24	10.3	7.4	5.2	1.8	5.1	24	9.3	8.6	7.9	0.5	1.4	24	9.5	8.7	8.0	0.6	1.5
5/24/99	24	10.2	7.2	5.1	1.8	5.1	24	9.4	8.7	7.4	0.5	2.0	24	9.7	9.3	8.6	0.3	1.1
5/25/99	24	8.5	6.6	5.2	1.1	3.3	24	8.4	7.6	7.0	0.4	1.4	24	8.6	7.9	7.3	0.4	1.3
5/26/99	24	8.9	6.4	4.3	1.7	4.6	24	9.3	8.3	7.1	0.7	2.2	24	9.0	8.2	7.3	0.7	1.7
5/27/99	24	9.4	6.8	4.8	1.7	4.6	24	9.3	8.5	6.7	0.8	2.6	24	9.7	9.1	8.6	0.3	1.1
5/28/99	24	7.7	6.4	5.1	0.9	2.6	24	9.0	7.9	6.7	0.7	2.3	24	8.9	8.2	7.2	0.5	1.7
5/29/99	24	9.2	6.7	4.4	1.7	4.8	24	8.8	8.5	7.6	0.3	1.2	24	9.0	8.8	8.4	0.2	0.6
5/30/99	24	9.2	6.9	4.8	1.6	4.4	24	9.0	8.3	7.0	0.5	2.0	24	8.7	8.4	8.0	0.3	0.7
5/31/99	24	7.1	6.3	5.4	0.6	1.7	24	9.0	8.6	7.4	0.3	1.6	24	8.9	8.7	8.6	0.1	0.3
6/1/99	24	7.1	6.2	5.4	0.6	1.7	24	8.4	8.2	7.1	0.3	1.3	24	8.7	8.3	8.0	0.2	0.7
6/2/99	24	7.1	5.8	4.4	1.0	2.7	24	8.8	8.6	8.2	0.2	0.6	24	9.0	8.6	8.1	0.3	0.9
6/3/99	24	10.2	7.2	4.9	2.0	5.3	24	8.7	8.4	7.9	0.2	0.8	24	8.9	8.6	8.4	0.2	0.5
6/4/99	24	7.6	6.5	5.7	0.6	1.9	24	8.5	8.2	7.3	0.4	1.2	24	8.6	8.3	8.0	0.2	0.6
6/5/99	24	7.7	6.8	6.0	0.6	1.7	24	8.5	8.4	7.6	0.3	0.9	24	8.7	8.5	8.3	0.1	0.4
6/6/99	24	6.8	5.9	5.1	0.6	1.7	24	9.0	8.4	7.6	0.4	1.4	24	8.7	8.3	7.8	0.3	0.9
6/7/99	24	6.9	5.9	5.1	0.7	1.8	24	9.1	8.7	7.9	0.3	1.2	24	9.0	8.8	8.6	0.2	0.4
6/8/99	24	7.6	6.4	5.4	0.8	2.2	24	9.0	8.7	8.2	0.2	0.8	24	8.9	8.7	8.4	0.2	0.5
6/9/99	24	8.5	7.0	5.7	1.0	2.8	24	9.0	8.5	7.9	0.3	1.1	24	9.2	8.8	8.7	0.1	0.5
6/10/99	24	10.3	7.6	5.2	1.9	5.1	24	9.3	8.5	7.4	0.6	1.9	24	9.7	9.1	8.7	0.3	1.0
6/11/99	24	10.5	8.3	6.2	1.5	4.3	24	10.1	8.8	7.6	0.8	2.5	24	9.8	9.3	8.9	0.3	0.9
6/12/99	24	10.6	8.6	6.6	1.4	4.0	24	9.9	8.5	7.3	0.8	2.6	24	10.1	9.6	8.9	0.3	1.2
6/13/99	24	10.6	8.5	6.6	1.4	4.0	24	8.5	7.8	7.0	0.6	1.5	24	9.8	9.8	9.8	0.0	0.0
6/14/99	24	11.3	8.6	6.5	1.8	4.8	24	9.9	8.4	7.6	0.6	2.3	24	11.8	10.1	9.5	0.5	2.3
6/15/99	24	8.3	7.2	6.5	0.6	1.8	24	10.1	8.9	7.4	0.9	2.7	24	10.0	9.1	7.8	0.7	2.2
6/16/99	24	9.9	7.9	6.3	1.4	3.6	24	9.9	9.2	7.9	0.6	2.0	24	10.0	9.6	8.7	0.4	1.3
6/17/99	24	10.2	7.9	5.9	1.6	4.3	24	10.4	9.7	8.2	0.7	2.2	24	10.6	9.7	8.7	0.7	1.9
6/18/99	24	8.9	7.8	6.8	0.7	2.1	24	9.8	9.2	8.5	0.4	1.3	24	9.8	9.3	8.7	0.4	1.1
6/19/99	24	9.7	7.8	6.3	1.2	3.4	24	10.1	9.6	8.5	0.4	1.6	24	10.1	9.6	9.2	0.3	0.9
6/20/99	24	8.0	7.3	6.2	0.7	1.8	24	11.0	10.0	8.8	0.8	2.2	24	10.9	10.0	8.9	0.8	2.0
6/21/99	24	7.9	7.3	6.6	0.5	1.3	24	10.1	9.2	8.2	0.5	1.9	24	10.3	9.5	8.9	0.4	1.4
6/22/99	24	9.1	7.8	6.8	0.8	2.3	24	9.8	8.9	8.1	0.5	1.7	24	9.7	9.2	8.7	0.3	1.0
6/23/99	24	9.4	8.1	6.8	1.0	2.6	23	10.5	9.6	8.4	0.7	2.1	24	10.8	9.7	8.9	0.7	1.9
6/24/99	24	8.5	7.9	7.2	0.4	1.3	24	9.3	8.5	7.9	0.4	1.4	24	9.8	8.9	8.6	0.4	1.2
6/25/99	24	8.0	7.1	6.3	0.6	1.7	24	9.4	9.0	8.7	0.2	0.7	24	9.2	9.0	8.7	0.2	0.5
6/26/99	24	7.6	6.8	5.9	0.6	1.7	24	10.2	9.4	8.2	0.6	2.0	24	10.3	9.6	9.0	0.4	1.3
6/27/99	24	9.6	7.7	6.2	1.3	3.4	24	9.9	9.0	7.4	0.7	2.5	24	10.0	9.3	8.3	0.5	1.7
6/28/99	24	8.3	7.5	6.3	0.7	2.0	24	9.9	9.2	8.5	0.5	1.4	24	9.8	9.3	8.9	0.3	0.9
6/29/99	24	10.3	8.6	7.2	1.2	3.1	24	10.2	9.0	7.4	0.9	2.8	24	10.1	9.6	8.4	0.5	1.7
6/30/99	24	9.1	8.4	7.7	0.4	1.4	24	9.9	8.9	8.1	0.5	1.8	24	9.8	9.3	8.6	0.3	1.2

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Date	SWREI						SWITR						SW2TR					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
7/1/99	24	8.9	8.1	7.2	0.6	1.7	24	9.8	8.8	8.1	0.5	1.7	24	9.7	9.3	9.0	0.2	0.7
7/2/99	24	8.2	7.3	6.5	0.6	1.7	24	10.2	9.3	8.4	0.5	1.8	24	10.0	9.3	8.4	0.4	1.6
7/3/99	24	7.9	7.1	6.3	0.6	1.6	24	10.5	9.6	8.7	0.6	1.8	24	10.3	9.8	9.4	0.3	0.9
7/4/99	24	8.8	7.7	6.6	0.7	2.2	24	10.2	9.3	8.8	0.4	1.4	24	10.1	9.5	9.2	0.3	0.9
7/5/99	24	11.4	8.8	6.5	1.9	4.9	24	11.0	9.6	8.4	0.8	2.6	24	10.9	10.2	9.4	0.5	1.5
7/6/99	24	12.3	10.0	7.6	1.8	4.7	24	9.6	8.7	7.9	0.5	1.7	24	10.4	10.0	9.2	0.4	1.2
7/7/99	24	10.3	8.7	7.6	0.7	2.7	24	10.1	8.8	7.8	0.7	2.3	24	10.3	9.5	9.0	0.3	1.3
7/8/99	24	10.9	8.6	6.5	1.7	4.4	24	11.2	9.7	7.6	1.1	3.6	24	11.2	10.4	9.4	0.6	1.8
7/9/99	24	11.9	9.7	7.6	1.5	4.3	24	11.8	9.2	7.0	1.4	4.8	24	12.0	10.7	9.4	0.8	2.6
7/10/99	24	12.3	10.1	8.0	1.5	4.3	24	11.2	9.5	8.2	0.9	3.0	24	11.4	10.1	8.7	0.9	2.7
7/11/99	24	12.3	10.1	8.0	1.5	4.3	24	11.2	9.4	8.2	0.9	3.0	24	11.4	10.0	9.0	0.9	2.4
7/12/99	24	12.3	10.0	7.9	1.6	4.4	24	11.6	9.4	7.4	1.3	4.2	24	12.0	10.4	8.7	1.1	3.3
7/13/99	24	12.0	9.9	7.9	1.5	4.1	14	11.5	9.5	7.4	1.4	4.1	24	11.4	10.2	9.0	0.7	2.4
7/14/99	24	9.6	8.2	7.6	0.5	2.0							24	10.3	9.5	8.9	0.4	1.4
7/15/99	24	11.1	9.0	6.9	1.6	4.2							24	11.1	10.2	9.5	0.6	1.6
7/16/99	24	10.5	9.4	8.5	0.7	2.0							24	10.6	9.6	8.7	0.5	1.9
7/17/99	24	9.1	8.2	7.9	0.3	1.2							24	10.3	9.7	9.2	0.4	1.1
7/18/99	24	12.0	9.5	7.6	1.7	4.4							24	11.1	10.0	9.2	0.6	1.9
7/19/99	24	12.5	10.4	8.5	1.4	4.0							24	12.0	10.6	9.7	0.9	2.3
7/20/99	22	12.7	10.6	8.8	1.3	3.9	7/21: Unit not working; replaced						24	11.2	10.6	9.7	0.5	1.5
7/21/99	24	12.7	10.7	9.1	1.2	3.6	14	11.5	10.6	8.7	0.8	2.8	22	11.8	10.7	9.7	0.6	2.1
7/22/99	24	12.8	10.7	8.8	1.3	4.0	24	11.0	9.4	7.9	0.9	3.1	24	13.2	10.9	10.0	0.7	3.2
7/23/99	24	12.8	10.8	8.8	1.4	4.0	24	11.1	9.6	8.4	0.9	2.7	24	12.3	10.5	9.5	0.7	2.8
7/24/99	24	10.6	9.8	9.1	0.4	1.5	24	10.8	9.8	8.4	0.8	2.4	24	13.5	10.4	9.7	0.8	3.8
7/25/99	24	12.3	10.1	8.3	1.4	4.0	24	9.6	8.8	7.9	0.5	1.7	24	10.4	10.3	10.3	0.1	0.1
7/26/99	24	13.3	10.8	8.6	1.6	4.7	24	11.0	9.1	7.9	1.1	3.1	24	12.9	10.9	10.0	0.7	2.9
7/27/99	24	14.0	11.7	9.6	1.6	4.4	24	10.7	9.0	7.8	1.0	2.9	24	13.4	10.5	9.5	0.8	3.9
7/28/99	24	14.0	11.9	10.0	1.4	4.0	24	11.0	9.5	8.4	0.8	2.6	24	14.4	10.5	9.4	1.0	5.0
7/29/99	24	13.7	11.6	9.9	1.3	3.8	24	10.8	9.8	8.4	0.8	2.4	24	13.5	10.2	9.4	0.9	4.1
7/30/99	24	13.7	11.5	9.6	1.4	4.1	24	10.2	9.3	8.7	0.4	1.5	24	15.2	10.4	9.8	1.2	5.4
7/31/99	24	13.6	11.5	9.7	1.3	3.9	24	11.6	9.8	8.2	0.9	3.4	24	15.2	10.5	9.5	1.4	5.7
8/1/99	24	13.9	11.5	9.6	1.5	4.3	24	10.5	9.7	9.1	0.4	1.4	24	12.8	10.4	9.8	0.8	3.0
8/2/99	24	14.2	11.9	9.9	1.5	4.3	24	11.5	9.6	8.4	0.8	3.1	24	12.3	10.3	9.7	0.7	2.6
8/3/99	24	14.5	12.3	10.5	1.4	4.0	24	11.9	10.2	8.7	0.7	3.2	24	12.9	11.2	10.4	0.7	2.5
8/4/99	24	15.0	12.7	10.6	1.5	4.4	24	11.5	10.1	9.1	0.7	2.4	24	14.3	11.8	10.9	0.9	3.4
8/5/99	24	13.4	12.4	11.4	0.7	2.0	24	10.8	10.1	9.1	0.5	1.7	24	14.3	11.2	10.3	0.9	4.0
8/6/99	24	11.9	11.3	10.9	0.2	1.0	24	10.8	9.6	8.8	0.7	2.0	24	13.5	11.5	10.3	0.8	3.2
8/7/99	24	11.4	10.9	10.5	0.3	0.9	24	11.5	9.8	8.5	1.0	3.0	24	12.6	10.7	9.5	0.6	3.1
8/8/99	24	13.9	11.5	9.9	1.4	4.0	24	11.1	10.1	9.0	0.8	2.1	24	13.4	11.2	11.1	0.5	2.3

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Date	SWREI						SWITR						SW2TR					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
8/9/99	24	14.2	11.9	9.9	1.5	4.3	24	10.2	9.4	8.7	0.5	1.5	24	12.1	11.4	10.9	0.4	1.2
8/10/99	24	15.0	12.5	10.5	1.5	4.5	24	10.8	9.3	8.4	0.8	2.4	24	13.4	10.9	10.1	0.7	3.3
8/11/99	24	12.2	11.2	10.3	0.4	1.9	24	12.1	9.9	8.7	1.0	3.4	24	12.6	10.8	9.5	0.7	3.1
8/12/99	24	11.6	10.5	9.7	0.7	1.9	24	12.4	10.2	9.1	0.9	3.3	24	12.6	11.3	10.6	0.5	2.0
8/13/99	24	10.6	10.1	9.7	0.3	0.9	24	11.8	10.2	9.0	1.0	2.8	24	13.5	11.5	10.8	0.6	2.7
8/14/99	24	12.3	10.6	9.4	0.9	2.9	24	11.6	10.0	9.1	0.8	2.5	24	12.4	11.2	10.9	0.3	1.5
8/15/99	24	10.9	10.1	9.2	0.6	1.7	24	10.7	9.1	8.2	0.8	2.5	24	11.2	10.8	10.8	0.1	0.4
8/16/99	24	13.4	11.1	9.2	1.6	4.2	24	12.5	10.3	8.4	1.4	4.1	24	12.3	11.3	10.8	0.5	1.5
8/17/99	24	14.5	12.0	9.9	1.6	4.6	24	11.1	10.0	9.1	0.6	2.0	24	12.4	11.2	10.8	0.3	1.6
8/18/99	24	15.0	12.8	10.9	1.4	4.1	24	11.6	9.9	8.8	0.8	2.8	24	12.4	10.5	9.7	0.5	2.7
8/19/99	24	15.1	13.0	11.4	1.3	3.7	24	13.5	11.2	9.4	0.9	4.1	24	12.8	11.1	9.7	1.0	3.1
8/20/99	24	14.7	12.6	10.8	1.4	3.9	24	11.0	9.7	8.7	0.6	2.3	24	12.8	11.8	11.5	0.3	1.3
8/21/99	24	14.2	12.4	11.1	1.1	3.1	24	10.1	9.4	8.7	0.5	1.4	24	11.5	11.5	11.5	0.0	0.0
8/22/99	24	13.7	11.6	9.7	1.4	4.0	24	9.3	8.8	8.2	0.3	1.1	24	11.5	11.5	11.5	0.0	0.0
8/23/99	24	14.4	12.0	9.9	1.6	4.5	24	11.9	9.3	8.4	0.9	3.5	24	13.1	11.8	11.5	0.5	1.6
8/24/99	24	14.8	12.7	10.8	1.4	4.0	24	11.9	10.0	8.4	1.2	3.5	24	13.2	11.6	11.1	0.4	2.1
8/25/99	23	14.5	12.5	11.3	1.1	3.2	24	12.1	10.6	9.4	0.8	2.7	23	12.4	11.5	11.1	0.4	1.3
8/26/99	24	14.0	11.9	10.0	1.4	4.0	24	11.5	10.5	9.8	0.5	1.7	24	12.8	11.6	10.9	0.4	1.9
8/27/99	24	13.9	12.1	10.5	1.2	3.4	24	11.6	10.2	9.3	0.7	2.3	24	12.6	11.1	10.6	0.5	2.0
8/28/99	24	13.9	12.4	10.9	1.1	3.0	24	9.6	9.1	8.7	0.3	0.9	24	11.2	10.6	10.4	0.2	0.8
8/29/99	24	12.5	11.7	10.8	0.5	1.7	24	9.9	9.5	9.0	0.2	0.9	24	10.6	10.5	10.4	0.0	0.2
8/30/99	24	10.8	10.3	9.6	0.4	1.2	24	12.4	10.4	9.8	0.6	2.6	24	12.4	11.1	10.3	0.6	2.1
8/31/99	24	11.1	9.7	8.9	0.8	2.2	24	12.2	10.8	9.6	0.8	2.6	24	11.7	11.0	10.3	0.5	1.4
9/1/99	24	11.3	9.4	7.7	1.2	3.6	24	11.6	10.4	9.3	0.6	2.3	24	12.6	11.6	11.1	0.3	1.5
9/2/99	24	11.3	9.6	8.0	1.2	3.3	24	11.1	10.3	9.4	0.6	1.7	24	13.7	11.4	10.6	0.7	3.1
9/3/99	24	11.7	9.8	7.9	1.4	3.8	24	11.0	10.1	9.0	0.6	2.0	24	12.9	11.3	10.9	0.5	2.0
9/4/99	24	11.7	10.0	8.5	1.1	3.2	24	9.6	9.3	8.7	0.3	0.9	24	11.1	10.9	10.8	0.1	0.3
9/5/99	24	11.3	10.1	8.8	0.9	2.5	24	9.6	9.2	8.7	0.3	0.9	24	10.9	10.8	10.8	0.0	0.1
9/6/99	24	10.9	10.0	9.2	0.5	1.7	24	12.4	10.5	9.1	1.1	3.3	24	12.0	11.4	10.8	0.5	1.2
9/7/99	24	11.3	9.4	7.7	1.2	3.6	24	13.0	11.3	9.4	1.2	3.6	24	13.4	12.4	11.4	0.6	2.0
9/8/99	24	11.6	9.7	7.9	1.4	3.7	24	13.6	12.1	9.8	1.1	3.8	24	13.4	12.8	12.4	0.3	1.0
9/9/99	24	11.9	10.1	8.3	1.2	3.6	24	13.5	11.9	9.6	1.1	3.9	24	12.9	12.1	11.5	0.5	1.4
9/10/99	24	11.7	10.1	8.8	1.1	2.9	24	12.7	11.6	10.7	0.6	2.0	24	12.9	12.2	11.5	0.4	1.4
9/11/99	24	11.3	9.6	7.9	1.2	3.4	24	10.7	9.5	9.1	0.4	1.6	24	12.6	12.4	12.3	0.1	0.3
9/12/99	24	11.4	9.5	7.7	1.4	3.7	24	12.2	10.3	9.0	1.1	3.2	24	12.9	12.6	12.3	0.2	0.6
9/13/99	24	11.6	9.7	7.9	1.4	3.7	24	13.9	11.7	9.1	1.6	4.8	24	13.8	12.9	12.0	0.5	1.8
9/14/99	24	11.7	10.0	8.3	1.2	3.4	24	11.8	10.1	9.0	0.9	2.8	24	12.8	12.0	11.5	0.5	1.3
9/15/99	24	11.9	10.2	8.6	1.2	3.3	24	11.6	10.6	9.0	0.9	2.6	24	13.2	11.5	11.1	0.4	2.1
9/16/99	24	11.6	10.3	9.4	0.8	2.2	24	11.3	9.9	9.0	0.7	2.3	24	13.7	11.1	10.6	0.8	3.1

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	SWREI						SWITR						SW2TR					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
9/17/99	24	11.9	10.4	9.1	1.0	2.8	24	11.8	10.7	9.3	0.9	2.5	24	15.4	12.1	10.8	1.4	4.6
9/18/99	24	11.9	10.3	8.6	1.2	3.3	24	11.8	11.0	10.2	0.4	1.6	24	12.3	11.7	11.2	0.3	1.1
9/19/99	24	12.0	10.4	8.8	1.2	3.2	24	11.6	11.1	10.5	0.3	1.1	24	12.6	11.8	11.7	0.3	0.9
9/20/99	24	11.9	10.4	8.9	1.1	3.0	24	11.1	9.7	9.0	0.6	2.1	24	11.7	11.7	11.7	0.0	0.0
9/21/99	24	11.7	10.3	8.8	1.1	2.9	24	12.4	10.2	8.8	1.1	3.6	24	12.9	12.0	11.7	0.3	1.2
9/22/99	23	12.0	10.5	8.9	1.1	3.1	22	12.2	11.4	9.8	0.8	2.4	22	13.4	11.7	10.8	0.5	2.6
9/23/99	24	10.2	9.6	8.8	0.4	1.4	24	12.2	11.6	11.0	0.4	1.2	24	12.0	11.6	11.1	0.3	0.9
9/24/99	24	9.7	8.7	7.4	0.8	2.3	24	12.4	11.3	9.4	1.0	3.0	24	13.4	11.7	11.1	0.5	2.3
9/25/99	24	10.2	9.0	7.9	0.7	2.3	24	11.0	9.7	9.0	0.6	2.0	24	12.4	12.2	12.1	0.1	0.3
9/26/99	24	8.9	8.0	7.2	0.6	1.7	24	10.2	9.7	9.0	0.4	1.2	24	12.1	12.1	12.1	0.0	0.0
9/27/99	24	8.5	7.3	6.0	0.9	2.5	24	12.7	11.2	9.0	1.1	3.7	24	12.8	12.1	11.4	0.4	1.4
9/28/99	24	8.6	7.2	5.5	1.1	3.1	24	12.9	11.5	10.4	0.8	2.5	24	12.4	12.1	11.8	0.1	0.6
9/29/99	24	9.2	7.7	6.0	1.2	3.2	24	13.2	11.2	9.4	1.1	3.8	24	12.6	12.0	11.7	0.3	0.9
9/30/99	24	9.2	8.0	6.6	1.0	2.6	24	12.4	10.8	9.3	1.0	3.1	24	12.3	11.9	11.7	0.2	0.6
10/1/99	24	8.9	7.7	6.2	1.0	2.7	24	13.0	11.3	9.3	1.2	3.7	24	12.4	12.1	11.5	0.3	0.9
10/2/99	24	8.8	7.6	6.2	0.9	2.6	24	12.5	10.8	9.0	1.2	3.5	24	12.4	12.0	11.7	0.2	0.7
10/3/99	24	8.6	7.4	5.9	1.0	2.7	24	11.0	10.3	9.1	0.5	1.9	24	11.8	11.6	11.4	0.1	0.4
10/4/99	24	8.8	7.6	6.0	1.0	2.8	24	13.9	12.2	8.8	1.6	5.1	24	13.4	12.4	11.4	0.7	2.0
10/5/99	24	8.3	7.9	7.6	0.3	0.7	24	13.5	12.3	10.5	0.8	3.0	24	12.8	12.3	12.0	0.2	0.8
10/6/99	24	9.2	8.4	7.7	0.6	1.5	24	12.9	12.0	11.3	0.4	1.6	24	12.6	12.3	11.8	0.3	0.8
10/7/99	24	8.6	8.3	8.0	0.2	0.6	24	12.4	11.6	10.4	0.7	2.0	24	12.1	11.7	11.5	0.2	0.6
10/8/99	24	9.1	8.7	8.3	0.3	0.8	24	12.5	11.6	10.2	0.7	2.3	24	12.1	11.6	11.5	0.2	0.6
10/9/99	24	9.2	8.4	7.6	0.5	1.6	24	12.4	10.7	9.4	1.0	3.0	24	12.0	11.5	11.4	0.2	0.6
10/10/99	24	8.8	7.8	6.6	0.8	2.2	24	13.3	12.4	10.4	0.8	2.9	24	13.1	12.3	11.7	0.5	1.4
10/11/99	24	8.5	7.8	6.8	0.6	1.7	24	13.2	12.5	10.7	0.7	2.5	24	12.8	12.4	11.7	0.3	1.1
10/12/99	24	9.6	8.5	7.7	0.6	1.9	24	13.6	12.6	11.3	0.5	2.3	24	13.4	12.7	11.8	0.4	1.6
10/13/99	24	8.8	8.2	7.7	0.4	1.1	24	13.3	12.8	11.9	0.5	1.4	24	13.1	12.6	11.7	0.4	1.4
10/14/99	24	7.9	7.2	6.3	0.4	1.6	24	13.2	12.4	10.8	0.6	2.4	24	12.8	12.4	11.7	0.3	1.1
10/15/99	24	7.7	6.5	5.7	0.7	2.0	24	13.2	12.9	12.5	0.2	0.7	24	12.9	12.7	12.4	0.2	0.5
10/16/99	24	6.9	5.9	4.8	0.8	2.1	24	13.3	13.0	12.7	0.2	0.6	24	13.1	12.8	12.6	0.1	0.5
10/17/99	24	7.1	6.0	4.6	1.0	2.5	24	13.0	12.7	11.8	0.5	1.2	24	13.1	12.7	12.0	0.3	1.1
10/18/99	24	7.7	6.7	5.5	0.8	2.2	24	13.0	12.5	10.8	0.6	2.2	24	13.1	12.3	11.4	0.5	1.7
10/19/99	24	7.6	6.6	5.4	0.8	2.2	24	13.2	12.7	12.4	0.3	0.8	24	13.1	12.5	12.0	0.4	1.1
10/20/99	7	6.5	5.9	5.4	0.4	1.1	22	12.9	12.6	12.1	0.4	0.8	23	12.9	12.4	11.8	0.4	1.1
10/21/99							24	12.9	12.2	10.8	0.7	2.1	24	12.8	12.1	11.2	0.5	1.6
10/22/99							24	12.9	12.3	11.3	0.5	1.6	24	12.8	12.2	11.7	0.4	1.1
10/23/99							24	12.7	11.8	10.5	0.7	2.2	24	12.6	11.8	11.2	0.5	1.4
10/24/99							24	12.4	11.1	9.4	1.1	3.0	24	12.0	11.4	10.9	0.4	1.1
10/25/99							24	12.2	11.8	11.1	0.4	1.1	24	12.1	11.6	10.9	0.3	1.2

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	SWREI						SW1TR						SW2TR					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
10/26/99							24	12.1	11.6	10.5	0.5	1.6	24	12.0	11.5	10.9	0.4	1.1
10/27/99							24	12.1	11.8	11.1	0.2	1.0	24	11.7	11.6	11.2	0.1	0.5
10/28/99							24	11.3	10.9	10.5	0.3	0.8	24	11.4	10.8	10.4	0.3	1.0
10/29/99							24	11.5	11.3	10.8	0.2	0.7	24	11.2	10.8	10.0	0.4	1.2
10/30/99							24	11.5	11.2	10.8	0.2	0.7	24	11.4	11.1	10.8	0.2	0.6
10/31/99							24	11.0	10.7	10.1	0.3	0.9	24	11.1	10.7	10.4	0.1	0.7
11/1/99							24	11.1	11.0	10.8	0.1	0.3	24	10.9	10.8	10.8	0.1	0.1
11/2/99							24	11.0	10.9	10.7	0.1	0.3	24	10.8	10.6	10.4	0.1	0.4
11/3/99							24	10.8	10.6	10.4	0.1	0.4	24	10.6	10.4	10.3	0.1	0.3
11/4/99							24	10.5	10.2	9.6	0.3	0.9	24	10.4	10.0	9.8	0.2	0.6
11/5/99							24	10.5	10.4	10.2	0.1	0.3	24	10.1	10.0	9.8	0.1	0.3
11/6/99							24	10.5	10.4	10.2	0.1	0.3	24	10.1	10.0	10.0	0.1	0.1
11/7/99							24	10.5	10.3	10.1	0.1	0.4	24	10.3	10.0	9.8	0.1	0.5
11/8/99							24	10.5	10.0	9.6	0.4	0.9	24	10.0	9.8	9.7	0.1	0.3
11/9/99							24	10.1	9.9	9.8	0.1	0.3	24	9.8	9.7	9.5	0.1	0.3
11/10/99							24	9.9	9.7	9.6	0.1	0.3	24	9.8	9.6	9.5	0.1	0.3
11/11/99							24	10.1	10.0	9.9	0.1	0.2	24	10.0	9.7	9.5	0.2	0.5
11/12/99							24	10.1	9.6	9.4	0.2	0.7	24	10.0	9.7	9.5	0.2	0.5
11/13/99							24	9.6	9.3	9.1	0.1	0.5	24	9.7	9.5	9.4	0.1	0.3
11/14/99							24	9.6	9.4	9.3	0.1	0.3	24	9.2	9.2	9.2	0.0	0.0
11/15/99							24	10.1	9.7	9.4	0.1	0.7	24	9.7	9.5	9.2	0.2	0.5
11/16/99							24	10.2	9.8	9.4	0.2	0.8	24	9.7	9.6	9.5	0.1	0.2
11/17/99							24	9.6	9.3	8.8	0.2	0.8	24	9.5	9.2	9.0	0.2	0.5
11/18/99							24	9.4	9.3	9.1	0.1	0.3	24	9.2	9.0	8.9	0.1	0.3
11/19/99							24	9.6	9.4	9.3	0.1	0.3	24	9.2	9.1	8.9	0.1	0.3
11/20/99							24	9.4	9.1	8.7	0.2	0.7	24	9.2	9.0	8.9	0.1	0.3
11/21/99	11/22: Could not locate; deployed new unit						24	9.3	9.0	8.8	0.1	0.5	24	8.9	8.6	8.6	0.1	0.3
11/22/99	11	4.2	4.2	4.1	0.1	0.1	24	8.8	8.7	8.7	0.0	0.1	24	8.6	8.5	8.4	0.1	0.2
11/23/99	24	5.3	4.8	4.2	0.4	1.1	8	8.7	8.7	8.7	0.0	0.0	23	8.6	8.4	8.4	0.0	0.2
11/24/99	24	5.2	4.9	4.5	0.2	0.7							24	8.4	8.4	8.4	0.0	0.0
11/25/99	24	5.8	5.2	4.7	0.4	1.1							24	8.6	8.4	8.1	0.1	0.5
11/26/99	24	5.9	5.5	5.0	0.3	0.9							24	8.1	7.7	7.5	0.2	0.6
11/27/99	24	5.3	5.1	4.8	0.2	0.5							24	7.7	7.6	7.5	0.1	0.2
11/28/99	24	5.6	5.2	4.8	0.3	0.8							24	7.8	7.7	7.7	0.1	0.1
11/29/99	24	6.1	5.5	5.0	0.4	1.1							24	7.8	7.7	7.7	0.0	0.1
11/30/99	24	5.9	5.7	5.6	0.1	0.3							24	7.7	7.6	7.3	0.1	0.4
12/1/99	24	5.6	5.0	4.4	0.3	1.2							24	7.3	7.3	7.3	0.0	0.0
12/2/99	24	4.7	4.5	4.4	0.1	0.3							24	7.5	7.4	7.2	0.1	0.3
12/3/99	24	5.0	4.6	4.4	0.3	0.6							24	7.2	7.1	6.9	0.1	0.3

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	SWREI						SW1TR						SW2TR						
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	
12/4/99	24	4.7	4.3	4.1	0.2	0.6							24	7.0	7.0	6.9	0.1	0.1	
12/5/99	24	4.7	4.3	3.9	0.2	0.8							24	7.0	7.0	6.9	0.1	0.1	
12/6/99	24	4.4	4.0	3.6	0.3	0.8							24	6.9	6.9	6.9	0.0	0.0	
12/7/99	24	4.5	4.2	3.9	0.2	0.6							24	6.9	6.7	6.6	0.1	0.3	
12/8/99	24	4.4	4.2	3.9	0.2	0.5							24	6.6	6.6	6.6	0.0	0.0	
12/9/99	24	4.4	4.1	3.8	0.2	0.6							24	6.6	6.6	6.6	0.0	0.0	
12/10/99	24	4.4	4.2	3.9	0.2	0.5							24	6.6	6.6	6.4	0.0	0.2	
12/11/99	24	4.8	4.5	4.1	0.3	0.7							24	6.4	6.4	6.3	0.0	0.1	
12/12/99	24	5.0	4.7	4.1	0.3	0.9							24	6.4	6.4	6.3	0.1	0.1	
12/13/99	24	4.1	3.4	2.5	0.4	1.6							24	6.1	6.1	6.0	0.1	0.1	
12/14/99	24	3.3	2.7	2.3	0.3	1.0							24	6.0	5.8	5.8	0.1	0.2	
12/15/99	24	3.9	3.6	3.3	0.2	0.6							24	6.1	5.9	5.8	0.1	0.3	
12/16/99	24	4.5	4.3	3.9	0.2	0.6							24	6.1	6.1	6.1	0.0	0.0	
12/17/99	24	4.8	4.5	4.2	0.2	0.6							24	6.1	6.1	6.0	0.1	0.1	
12/18/99	24	4.8	4.5	4.2	0.2	0.6							24	6.3	6.1	6.0	0.1	0.3	
12/19/99	24	4.7	4.5	4.2	0.2	0.5							24	6.0	5.8	5.6	0.1	0.4	
12/20/99	24	4.7	4.6	4.4	0.1	0.3	12/20: Unit has been destroyed; replaced	11	5.7	5.7	5.7	0.0	0.0	22	5.8	5.7	5.6	0.1	0.2
12/21/99	24	4.7	4.3	3.9	0.2	0.8	24	5.8	5.7	5.7	0.1	0.1	24	5.8	5.7	5.6	0.1	0.2	
12/22/99	24	4.4	3.9	3.6	0.3	0.8	24	5.8	5.8	5.7	0.1	0.1	24	5.8	5.8	5.6	0.1	0.2	
12/23/99	24	3.9	3.7	3.4	0.2	0.5	24	5.8	5.7	5.7	0.1	0.1	24	5.8	5.7	5.6	0.1	0.2	
12/24/99	24	3.6	3.3	3.0	0.2	0.6	24	5.7	5.6	5.5	0.1	0.2	24	5.6	5.5	5.5	0.1	0.1	
12/25/99	24	3.3	3.0	2.6	0.2	0.7	24	5.7	5.5	5.5	0.0	0.2	24	5.6	5.5	5.5	0.0	0.1	
12/26/99	24	3.1	2.8	2.3	0.2	0.8	24	5.5	5.5	5.3	0.0	0.2	24	5.5	5.4	5.3	0.1	0.2	
12/27/99	24	3.1	2.7	2.3	0.3	0.8	24	5.5	5.4	5.3	0.1	0.2	24	5.3	5.3	5.3	0.0	0.0	
12/28/99	24	2.8	2.4	2.0	0.2	0.8	24	5.3	5.3	5.2	0.0	0.1	24	5.3	5.3	5.2	0.1	0.1	
12/29/99	24	3.0	2.5	2.0	0.3	1.0	24	5.3	5.3	5.2	0.1	0.1	24	5.3	5.3	5.2	0.1	0.1	
12/30/99	24	2.8	2.5	2.0	0.3	0.8	24	5.3	5.2	5.2	0.1	0.1	24	5.3	5.2	5.2	0.1	0.1	
12/31/99	24	3.3	3.0	2.8	0.1	0.5	24	5.2	5.2	5.2	0.0	0.0	24	5.3	5.3	5.2	0.1	0.1	
1/1/00	24	3.3	3.0	2.6	0.2	0.7	24	5.2	5.2	5.2	0.0	0.0	24	5.3	5.2	5.2	0.1	0.1	
1/2/00	24	2.8	2.4	1.9	0.3	0.9	24	5.2	5.1	5.0	0.1	0.2	24	5.2	5.1	5.0	0.1	0.2	
1/3/00	24	2.8	2.5	2.2	0.2	0.6	24	5.0	4.9	4.9	0.1	0.1	24	5.0	4.9	4.9	0.1	0.1	
1/4/00	24	3.3	2.8	2.5	0.3	0.8	24	4.9	4.9	4.9	0.0	0.0	24	5.0	4.9	4.9	0.1	0.1	
1/5/00	24	3.9	3.3	3.0	0.3	0.9	24	4.9	4.9	4.9	0.0	0.0	24	5.0	4.9	4.9	0.1	0.1	
1/6/00	24	3.3	2.9	2.5	0.3	0.8	24	4.9	4.9	4.7	0.1	0.2	24	4.9	4.9	4.9	0.0	0.0	
1/7/00	24	3.9	3.5	3.1	0.3	0.8	24	4.9	4.9	4.7	0.0	0.2	24	4.9	4.9	4.9	0.0	0.0	
1/8/00	24	3.9	3.7	3.0	0.2	0.9	24	4.9	4.9	4.9	0.0	0.0	24	4.9	4.9	4.9	0.0	0.0	
1/9/00	24	2.8	2.3	1.7	0.4	1.1	24	4.9	4.8	4.7	0.1	0.2	24	4.9	4.8	4.7	0.1	0.2	
1/10/00	24	2.5	2.3	2.0	0.2	0.5	24	4.7	4.6	4.6	0.1	0.1	24	4.7	4.6	4.6	0.1	0.1	
1/11/00	24	2.8	2.3	1.5	0.4	1.3	24	4.6	4.4	4.4	0.1	0.2	24	4.6	4.5	4.4	0.1	0.2	

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	SWREI						SW1TR						SW2TR					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
1/12/00	24	2.3	1.9	1.5	0.3	0.8	24	4.6	4.4	4.4	0.0	0.2	24	4.4	4.4	4.2	0.1	0.2
1/13/00	24	2.6	1.9	1.1	0.7	1.5	24	4.6	4.4	4.4	0.1	0.2	24	4.6	4.4	4.2	0.1	0.4
1/14/00	24	3.0	2.8	2.6	0.1	0.4	24	4.6	4.4	4.4	0.1	0.2	24	4.6	4.5	4.4	0.1	0.2
1/15/00	24	3.3	2.9	2.6	0.3	0.7	24	4.4	4.4	4.4	0.0	0.0	24	4.4	4.4	4.4	0.0	0.0
1/16/00	24	3.4	3.0	2.5	0.3	0.9	24	4.4	4.4	4.4	0.0	0.0	24	4.4	4.4	4.4	0.0	0.0
1/17/00	24	3.6	3.2	2.8	0.2	0.8	24	4.4	4.4	4.3	0.1	0.1	24	4.4	4.4	4.4	0.0	0.0
1/18/00	24	3.4	2.8	2.3	0.4	1.1	24	4.4	4.3	4.3	0.1	0.1	24	4.4	4.3	4.2	0.1	0.2
1/19/00	24	3.4	2.8	2.3	0.4	1.1	24	4.3	4.3	4.3	0.0	0.0	24	4.4	4.3	4.2	0.1	0.2
1/20/00	24	3.4	3.0	2.6	0.3	0.8	24	4.3	4.3	4.3	0.0	0.0	24	4.4	4.3	4.2	0.1	0.2
1/21/00	24	3.3	2.8	2.2	0.4	1.1	24	4.3	4.3	4.3	0.0	0.0	24	4.4	4.3	4.2	0.1	0.2
1/22/00	24	3.9	3.5	3.1	0.3	0.8	24	4.3	4.3	4.3	0.0	0.0	24	4.6	4.3	4.2	0.1	0.4
1/23/00	24	3.4	3.2	2.8	0.2	0.6	24	4.3	4.3	4.3	0.0	0.0	24	4.2	4.2	4.1	0.0	0.1
1/24/00	24	3.4	2.9	2.3	0.4	1.1	24	4.3	4.2	4.1	0.1	0.2	24	4.2	4.2	4.1	0.1	0.1
1/25/00	24	3.6	3.2	2.8	0.3	0.8	23	4.4	4.3	4.1	0.1	0.3	22	4.2	4.2	4.1	0.1	0.1
1/26/00	24	4.4	3.7	3.3	0.3	1.1	24	4.4	4.4	4.4	0.0	0.0	24	4.4	4.3	4.2	0.1	0.2
1/27/00	24	3.9	3.5	3.1	0.2	0.8	24	4.4	4.4	4.3	0.1	0.1	24	4.2	4.2	4.1	0.1	0.1
1/28/00	24	3.3	2.7	2.0	0.4	1.3	24	4.4	4.3	4.3	0.0	0.1	24	4.2	4.1	4.1	0.1	0.1
1/29/00	24	2.8	2.2	1.5	0.4	1.3	24	4.3	4.3	4.3	0.0	0.0	24	4.1	4.0	3.9	0.1	0.2
1/30/00	24	2.5	2.0	1.2	0.5	1.3	24	5.0	4.4	4.1	0.3	0.9	24	4.2	4.0	3.8	0.1	0.4
1/31/00	24	3.6	2.8	2.2	0.5	1.4	24	5.0	4.3	4.1	0.3	0.9	24	4.2	4.0	3.9	0.1	0.3
2/1/00	24	2.6	2.4	2.2	0.1	0.4	24	4.9	4.3	4.1	0.2	0.8	24	4.6	4.2	3.9	0.2	0.7
2/2/00	24	3.8	2.9	2.2	0.6	1.6	24	4.3	4.2	4.1	0.1	0.2	24	4.2	4.1	4.1	0.1	0.1
2/3/00	24	4.2	3.5	3.1	0.4	1.1	24	4.7	4.2	4.1	0.2	0.6	24	4.2	4.0	3.9	0.1	0.3
2/4/00	24	3.9	3.5	3.3	0.2	0.6	24	4.3	4.2	4.1	0.1	0.2	24	4.1	4.0	3.9	0.1	0.2
2/5/00	24	4.1	3.5	3.0	0.4	1.1	24	4.3	4.2	4.1	0.1	0.2	24	4.1	4.0	3.9	0.1	0.2
2/6/00	24	4.5	4.0	3.6	0.3	0.9	24	5.8	5.3	4.3	0.4	1.5	24	4.6	4.4	4.1	0.2	0.5
2/7/00	24	4.5	4.0	3.6	0.3	0.9	24	5.3	4.6	4.3	0.5	1.0	24	4.6	4.3	4.1	0.2	0.5
2/8/00	24	4.1	3.7	3.3	0.2	0.8	24	5.2	4.4	4.3	0.3	0.9	24	4.6	4.2	4.1	0.2	0.5
2/9/00	24	4.4	3.6	3.3	0.4	1.1	24	5.2	4.4	4.3	0.3	0.9	24	4.6	4.2	4.1	0.1	0.5
2/10/00	24	4.1	3.4	2.6	0.5	1.5	24	5.0	4.4	4.1	0.3	0.9	24	4.6	4.2	3.9	0.1	0.7
2/11/00	24	4.4	3.8	3.3	0.3	1.1	24	4.3	4.3	4.3	0.0	0.0	24	4.2	4.1	4.1	0.0	0.1
2/12/00	24	4.2	3.9	3.6	0.2	0.6	24	4.3	4.3	4.3	0.0	0.0	24	4.2	4.1	4.1	0.1	0.1
2/13/00	24	4.1	3.6	3.1	0.3	1.0	24	4.3	4.3	4.3	0.0	0.0	24	4.1	4.1	3.9	0.0	0.2
2/14/00	24	3.6	3.3	3.0	0.2	0.6	24	4.3	4.3	4.1	0.0	0.2	24	4.1	4.0	3.9	0.1	0.2
2/15/00	24	4.2	3.7	3.3	0.4	0.9	24	4.3	4.2	4.1	0.1	0.2	24	4.1	4.0	3.9	0.1	0.2
2/16/00	24	4.4	3.5	2.8	0.5	1.6	24	4.3	4.2	4.1	0.1	0.2	24	4.2	4.0	3.9	0.1	0.3
2/17/00	24	4.1	3.2	2.5	0.5	1.6	24	4.3	4.2	4.1	0.1	0.2	24	4.2	4.0	3.9	0.1	0.3
2/18/00	24	3.9	3.0	2.2	0.6	1.7	24	4.3	4.1	4.1	0.1	0.2	24	4.1	4.0	3.9	0.1	0.2
2/19/00	24	4.1	3.0	2.2	0.7	1.9	24	4.3	4.1	4.1	0.1	0.2	24	4.2	4.0	3.8	0.1	0.4

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	SWREI						SWITR						SW2TR					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
2/20/00	24	3.8	3.2	2.3	0.5	1.5	24	4.3	4.1	4.1	0.1	0.2	24	4.1	4.0	3.9	0.1	0.2
2/21/00	24	4.2	3.9	3.6	0.3	0.6	24	5.2	4.5	4.1	0.4	1.1	24	4.4	4.1	3.9	0.2	0.5
2/22/00	22	4.2	3.9	3.6	0.2	0.6	23	4.7	4.3	4.1	0.2	0.6	23	4.4	4.1	3.9	0.1	0.5
2/23/00	24	4.7	3.9	3.4	0.5	1.3	24	5.0	4.4	4.3	0.3	0.7	24	4.4	4.1	4.1	0.1	0.3
2/24/00	24	4.5	3.9	3.3	0.4	1.2	24	4.3	4.2	4.1	0.1	0.2	24	4.1	4.1	3.9	0.1	0.2
2/25/00	24	3.4	2.9	2.2	0.4	1.2	24	4.1	4.1	4.1	0.0	0.0	24	3.9	3.9	3.9	0.0	0.0
2/26/00	24	3.6	3.1	2.3	0.4	1.3	24	4.3	4.1	4.1	0.0	0.2	24	3.9	3.9	3.9	0.0	0.0
2/27/00	24	4.9	3.9	3.1	0.7	1.8	24	4.1	4.1	4.1	0.0	0.0	24	4.1	4.0	3.9	0.1	0.2
2/28/00	24	4.5	4.2	3.8	0.3	0.7	24	4.3	4.2	4.1	0.1	0.2	24	4.1	4.0	3.9	0.1	0.2
2/29/00	24	4.2	4.0	3.6	0.2	0.6	24	4.3	4.2	4.1	0.1	0.2	24	4.1	4.0	3.9	0.1	0.2
3/1/00	24	4.7	4.0	3.4	0.5	1.3	24	5.0	4.3	4.1	0.2	0.9	24	4.4	4.1	3.9	0.1	0.5
3/2/00	24	5.0	4.4	3.9	0.4	1.1	24	5.0	4.4	4.3	0.3	0.7	24	4.6	4.2	4.1	0.1	0.5
3/3/00	24	5.0	4.5	3.9	0.4	1.1	24	5.3	4.4	4.3	0.4	1.0	24	4.6	4.2	4.1	0.1	0.5
3/4/00	24	5.0	4.5	4.1	0.3	0.9	24	5.3	4.4	4.3	0.4	1.0	24	4.6	4.3	4.2	0.1	0.4
3/5/00	24	4.7	4.1	3.4	0.4	1.3	24	4.3	4.3	4.3	0.0	0.0	24	4.4	4.3	4.2	0.1	0.2
3/6/00	24	4.7	3.8	3.1	0.5	1.6	24	4.3	4.3	4.3	0.0	0.0	24	4.4	4.3	4.1	0.1	0.3
3/7/00	24	4.7	3.8	2.8	0.7	1.9	24	4.3	4.3	4.3	0.0	0.0	24	4.4	4.2	4.1	0.1	0.3
3/8/00	24	5.2	4.4	3.8	0.5	1.4	24	4.3	4.3	4.3	0.0	0.0	24	4.4	4.3	4.2	0.1	0.2
3/9/00	24	5.6	4.6	3.8	0.7	1.8	24	4.4	4.3	4.3	0.1	0.1	24	4.4	4.3	4.2	0.1	0.2
3/10/00	24	5.3	4.4	3.6	0.6	1.7	24	4.4	4.4	4.3	0.1	0.1	24	4.4	4.3	4.2	0.1	0.2
3/11/00	24	5.6	4.6	3.9	0.5	1.7	24	5.2	4.5	4.4	0.2	0.8	24	4.7	4.5	4.4	0.1	0.3
3/12/00	24	5.3	4.5	3.8	0.5	1.5	24	5.5	5.4	5.2	0.1	0.3	24	5.0	4.9	4.7	0.1	0.3
3/13/00	24	5.6	4.7	3.8	0.7	1.8	24	5.3	4.6	4.4	0.4	0.9	24	5.0	4.7	4.6	0.2	0.4
3/14/00	24	5.2	4.6	4.1	0.3	1.1	24	4.6	4.6	4.6	0.0	0.0	24	4.7	4.6	4.6	0.1	0.1
3/15/00	24	5.3	4.3	3.4	0.7	1.9	24	5.0	4.6	4.4	0.1	0.6	24	4.9	4.7	4.4	0.2	0.5
3/16/00	24	5.8	4.7	4.1	0.6	1.7	24	5.5	4.8	4.6	0.4	0.9	24	5.2	4.8	4.6	0.2	0.6
3/17/00	24	4.1	3.8	3.6	0.2	0.5	24	5.5	4.9	4.6	0.4	0.9	24	5.0	4.7	4.6	0.1	0.4
3/18/00	24	4.4	4.0	3.8	0.3	0.6	24	5.7	5.4	4.6	0.3	1.1	24	5.2	5.0	4.7	0.1	0.5
3/19/00	24	4.2	3.6	3.1	0.4	1.1	24	5.5	4.9	4.6	0.4	0.9	24	5.2	4.9	4.7	0.2	0.5
3/20/00	24	5.6	4.3	3.4	0.8	2.2	24	5.3	4.7	4.6	0.3	0.7	24	4.9	4.7	4.6	0.1	0.3
3/21/00	23	6.7	4.9	3.8	1.1	2.9	23	5.5	4.8	4.6	0.3	0.9	22	4.9	4.7	4.6	0.1	0.3
3/22/00	24	5.2	4.5	3.9	0.5	1.3	24	5.7	5.0	4.7	0.4	1.0	24	5.0	4.9	4.7	0.1	0.3
3/23/00	24	5.8	4.7	3.8	0.7	2.0	24	5.5	5.1	4.9	0.3	0.6	24	5.2	5.0	4.9	0.1	0.3
3/24/00	24	6.3	4.7	3.3	1.0	3.0	24	5.7	5.2	4.9	0.3	0.8	24	5.6	5.3	4.9	0.2	0.7
3/25/00	24	6.6	4.8	3.6	1.0	3.0	24	6.1	5.8	5.2	0.2	0.9	24	5.8	5.5	5.2	0.2	0.6
3/26/00	24	6.7	4.8	3.3	1.2	3.4	24	6.1	5.7	5.2	0.3	0.9	24	6.1	5.7	5.3	0.3	0.8
3/27/00	24	5.2	4.6	4.1	0.4	1.1	24	6.0	5.5	5.2	0.3	0.8	24	6.1	5.7	5.3	0.3	0.8
3/28/00	24	5.6	4.7	3.9	0.6	1.7	24	6.0	5.3	5.0	0.3	1.0	24	5.6	5.4	5.2	0.2	0.4
3/29/00	24	6.4	4.8	3.6	1.0	2.8	24	5.8	5.1	4.9	0.3	0.9	24	5.6	5.4	5.0	0.2	0.6

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	SWREI						SWITR						SW2TR					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
3/30/00	24	6.9	4.9	3.3	1.3	3.6	24	5.5	5.0	4.9	0.2	0.6	24	5.5	5.2	4.9	0.2	0.6
3/31/00	24	7.7	5.5	3.6	1.5	4.1	24	6.0	5.6	5.2	0.3	0.8	24	6.0	5.6	5.0	0.3	1.0
4/1/00	24	8.6	6.2	4.5	1.4	4.1	24	6.9	6.4	6.0	0.3	0.9	24	6.1	6.1	6.0	0.1	0.1
4/2/00	24	8.1	6.1	4.5	1.2	3.6	24	6.6	6.0	5.7	0.3	0.9	24	6.9	6.5	6.1	0.3	0.8
4/3/00	24	8.1	5.9	4.2	1.4	3.9	24	7.2	6.3	5.8	0.3	1.4	24	6.7	6.4	6.0	0.2	0.7
4/4/00	24	5.9	5.1	4.4	0.4	1.5	24	7.2	6.5	6.1	0.4	1.1	24	6.7	6.6	6.4	0.1	0.3
4/5/00	24	5.3	4.4	3.4	0.7	1.9	24	6.6	5.8	5.3	0.4	1.3	24	6.6	6.2	5.6	0.3	1.0
4/6/00	24	5.5	4.6	4.1	0.5	1.4	24	6.3	5.7	5.3	0.3	1.0	24	6.0	5.8	5.6	0.1	0.4
4/7/00	24	7.2	5.1	3.4	1.4	3.8	24	6.3	5.8	5.5	0.3	0.8	24	6.4	5.9	5.5	0.3	0.9
4/8/00	24	7.8	5.7	3.8	1.5	4.0	24	7.4	6.9	6.4	0.3	1.0	24	6.3	6.1	5.8	0.2	0.5
4/9/00	24	6.9	5.8	4.9	0.7	2.0	24	7.2	7.0	6.4	0.2	0.8	24	6.9	6.4	6.3	0.2	0.6
4/10/00	24	8.1	6.1	4.5	1.3	3.6	24	7.1	6.4	6.3	0.2	0.8	24	7.2	6.9	6.6	0.2	0.6
4/11/00	24	8.3	6.1	4.1	1.4	4.2	24	7.2	6.8	6.3	0.3	0.9	24	7.3	7.0	6.6	0.3	0.7
4/12/00	24	7.8	6.1	4.9	1.1	2.9	24	7.2	7.2	7.1	0.1	0.1	24	7.8	7.5	7.2	0.2	0.6
4/13/00	24	6.1	5.6	5.0	0.3	1.1	24	7.2	7.1	6.8	0.1	0.4	24	7.5	7.4	7.2	0.1	0.3
4/14/00	24	5.6	5.1	4.5	0.4	1.1	24	6.8	6.6	6.0	0.2	0.8	24	7.2	7.1	6.9	0.1	0.3
4/15/00	24	6.1	5.1	4.5	0.6	1.6	24	7.1	6.6	6.0	0.3	1.1	24	7.2	7.0	6.6	0.2	0.6
4/16/00	24	6.3	5.3	4.4	0.7	1.9	24	7.5	7.2	6.8	0.2	0.7	24	7.7	7.3	7.0	0.2	0.7
4/17/00	24	7.2	5.5	4.1	1.1	3.1	24	8.1	7.7	7.4	0.2	0.7	24	8.3	7.9	7.5	0.3	0.8
4/18/00	13	6.3	5.1	4.5	0.5	1.8	23	8.1	7.4	6.3	0.5	1.8	16	8.3	8.1	7.8	0.1	0.5
4/19/00							24	7.1	6.5	5.8	0.3	1.3						
4/20/00							24	7.5	7.1	6.6	0.2	0.9						
4/21/00							24	8.0	7.7	7.2	0.2	0.8						
4/22/00							24	7.4	6.5	6.0	0.4	1.4						
4/23/00							24	7.2	6.8	6.0	0.4	1.2						
4/24/00							24	7.8	7.4	7.1	0.2	0.7						
4/25/00							24	8.0	7.8	7.5	0.1	0.5						
4/26/00							24	8.3	7.8	6.9	0.4	1.4						
4/27/00							24	8.4	7.9	6.9	0.5	1.5						
4/28/00							24	7.4	6.7	5.8	0.4	1.6						
4/29/00							24	7.7	7.0	6.3	0.3	1.4						
4/30/00							24	8.1	7.5	6.6	0.4	1.5						
5/1/00							24	7.8	7.4	6.1	0.5	1.7						
5/2/00							24	8.0	7.6	7.2	0.2	0.8						
5/3/00							24	8.0	7.1	6.4	0.4	1.6						
5/4/00							24	8.1	7.5	6.8	0.4	1.3						
5/5/00							24	7.8	7.4	6.4	0.3	1.4						
5/6/00							24	8.6	7.9	6.3	0.8	2.3						
5/7/00							24	8.6	8.1	7.2	0.4	1.4						

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	SWREI						SW1TR						SW2TR					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
5/8/00							24	8.4	8.0	6.8	0.4	1.6						
5/9/00							24	8.4	8.0	6.8	0.5	1.6						
5/10/00							24	7.7	7.2	6.8	0.3	0.9						
5/11/00							24	7.5	7.3	7.1	0.1	0.4						
5/12/00							24	8.4	7.8	7.2	0.4	1.2						
5/13/00							24	8.8	8.5	8.3	0.1	0.5						
5/14/00							24	8.8	8.3	6.9	0.6	1.9						
5/15/00							24	8.6	8.2	6.9	0.4	1.7						
5/16/00							24	8.0	7.6	6.9	0.3	1.1						
5/17/00							24	7.8	7.2	6.8	0.3	1.0						
5/18/00							24	8.6	8.2	7.4	0.4	1.2						
5/19/00							24	8.4	8.0	7.1	0.3	1.3						
5/20/00							24	8.9	8.6	8.1	0.3	0.8						
5/21/00							24	8.8	8.1	7.1	0.5	1.7						
5/22/00							24	8.8	8.1	7.1	0.5	1.7						
5/23/00							24	8.9	8.5	7.2	0.5	1.7						
5/24/00							24	9.7	8.7	6.9	0.8	2.8						
5/25/00							24	9.7	8.5	6.6	1.0	3.1						
5/26/00							24	9.5	8.8	7.7	0.6	1.8						
5/27/00							24	8.6	7.8	6.9	0.5	1.7						
5/28/00							24	8.6	8.0	7.5	0.3	1.1						
5/29/00							24	9.8	8.8	7.2	0.9	2.6						
5/30/00							24	9.4	8.5	6.9	0.6	2.5						
5/31/00							11	8.8	7.8	7.1	0.6	1.7						

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	PINCM						DRICM						SWICM					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
4/14/99																		
4/15/99																		
4/16/99																		
4/17/99																		
4/18/99																		
4/19/99																		
4/20/99																		
4/21/99																		
4/22/99																		
4/23/99																		
4/24/99																		
4/25/99																		
4/26/99	4/27: Initial deployment																	
4/27/99	11	8.4	6.7	5.1	1.3	3.3												
4/28/99	24	9.0	6.3	4.8	1.4	4.2												
4/29/99	24	9.9	6.8	4.7	1.9	5.2												
4/30/99	24	10.2	7.0	4.8	1.8	5.4												
5/1/99	24	7.0	6.3	5.6	0.3	1.4												
5/2/99	24	5.9	5.4	4.7	0.4	1.2												
5/3/99	24	7.6	5.7	4.5	1.0	3.1												
5/4/99	24	7.2	5.5	4.7	0.9	2.5												
5/5/99	24	9.1	6.4	4.7	1.6	4.4												
5/6/99	24	7.6	6.3	5.4	0.8	2.2												
5/7/99	24	6.2	5.1	4.3	0.5	1.9												
5/8/99	24	8.1	5.8	4.5	1.2	3.6												
5/9/99	24	7.9	5.9	4.8	1.0	3.1												
5/10/99	24	9.5	6.4	4.3	1.8	5.2												
5/11/99	24	7.2	6.1	4.8	0.8	2.4												
5/12/99	24	9.3	6.7	5.3	1.4	4.0												
5/13/99	24	8.8	6.6	5.1	1.3	3.7												
5/14/99	24	9.1	6.7	5.6	1.2	3.5												
5/15/99	24	6.5	6.1	5.4	0.4	1.1												
5/16/99	24	8.7	6.9	5.6	1.1	3.1												
5/17/99	24	7.5	6.7	6.1	0.4	1.4												
5/18/99	23	7.6	6.4	5.3	0.7	2.3												
5/19/99	24	8.4	6.4	4.7	1.4	3.7												
5/20/99	24	9.3	6.8	5.0	1.4	4.3												
5/21/99	24	10.2	7.3	5.6	1.6	4.6												
5/22/99	24	11.0	7.7	5.3	2.0	5.7												

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	PINCM						DRICM						SWICM							
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta		
5/23/99	24	11.6	8.2	5.9	2.1	5.7														
5/24/99	24	11.8	8.3	6.1	2.1	5.7														
5/25/99	24	10.1	7.6	5.9	1.5	4.2														
5/26/99	24	10.6	7.4	5.1	1.9	5.5														
5/27/99	24	11.2	7.8	5.6	2.0	5.6														
5/28/99	24	9.3	7.2	6.1	1.1	3.2														
5/29/99	24	10.6	7.5	5.1	1.9	5.5														
5/30/99	24	10.7	7.7	5.6	1.7	5.1														
5/31/99	24	9.1	7.4	6.1	1.0	3.0														
6/1/99	24	8.7	7.0	5.6	1.0	3.1														
6/2/99	24	8.1	6.7	5.3	1.1	2.8														
6/3/99	24	11.2	7.9	5.4	2.1	5.8														
6/4/99	24	7.9	7.2	6.5	0.6	1.4														
6/5/99	24	9.1	7.5	6.2	1.0	2.9														
6/6/99	24	8.2	6.8	5.9	0.9	2.3														
6/7/99	24	7.8	6.7	5.9	0.7	1.9														
6/8/99	24	9.3	7.2	6.1	1.1	3.2														
6/9/99	24	9.1	7.4	6.2	1.0	2.9														
6/10/99	24	11.5	8.1	5.4	2.1	6.1														
6/11/99	24	11.2	8.5	6.5	1.7	4.7														
6/12/99	24	12.1	9.1	7.0	1.8	5.1														
6/13/99	24	12.1	9.1	7.5	1.7	4.6														
6/14/99	24	12.9	9.6	7.2	2.0	5.7														
6/15/99	24	9.5	8.2	7.5	0.6	2.0														
6/16/99	24	11.6	8.8	7.2	1.5	4.4														
6/17/99	24	11.8	8.9	6.7	1.8	5.1														
6/18/99	24	11.3	8.8	7.5	1.3	3.8														
6/19/99	24	11.2	8.6	7.2	1.4	4.0														
6/20/99	24	9.3	8.0	6.8	0.9	2.5														
6/21/99	24	10.2	8.5	7.3	1.0	2.9														
6/22/99	22	10.7	8.7	7.6	1.1	3.1	6/22: Initial deployment	9	10.1	9.3	8.9	0.4	1.2	6/22: Initial deployment	10	7.7	7.3	6.6	0.3	1.1
6/23/99	24	10.9	8.7	7.6	1.1	3.3		24	10.2	9.2	8.4	0.7	1.8		24	8.3	6.9	6.0	0.8	2.3
6/24/99	24	10.4	8.7	7.6	0.8	2.8		24	9.5	9.2	8.7	0.2	0.8		24	7.3	6.7	6.3	0.3	1.0
6/25/99	24	10.2	8.5	7.3	1.1	2.9		24	8.7	8.3	7.9	0.3	0.8		24	6.9	6.3	5.9	0.3	1.0
6/26/99	24	8.7	7.7	6.8	0.6	1.9		24	8.2	7.9	7.5	0.3	0.7		24	6.9	6.0	5.2	0.6	1.7
6/27/99	24	10.6	8.3	7.0	1.2	3.6		24	9.3	8.3	7.5	0.7	1.8		24	8.0	6.6	5.5	0.9	2.5
6/28/99	24	9.1	8.0	6.5	1.0	2.6		24	8.9	8.2	7.5	0.5	1.4		24	7.1	6.3	5.4	0.6	1.7
6/29/99	24	11.5	8.9	7.5	1.4	4.0		24	10.4	9.3	8.4	0.8	2.0		24	8.5	7.1	6.0	0.9	2.5
6/30/99	24	10.9	8.9	7.9	1.0	3.0		24	10.4	9.7	9.2	0.4	1.2		24	7.4	6.9	6.5	0.3	0.9

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	PINCM						DRICM						SWICM					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
7/1/99	24	10.1	8.6	7.5	0.9	2.6	24	10.1	9.5	9.0	0.3	1.1	24	7.4	6.7	6.2	0.5	1.2
7/2/99	24	10.1	8.1	7.0	1.0	3.1	24	9.3	8.7	8.4	0.3	0.9	24	6.9	6.3	5.9	0.4	1.0
7/3/99	24	9.3	7.8	6.8	0.9	2.5	24	8.7	8.3	7.9	0.3	0.8	24	6.8	6.2	5.5	0.4	1.3
7/4/99	24	10.2	8.4	7.2	1.1	3.0	24	9.5	8.6	7.9	0.5	1.6	24	7.3	6.5	5.9	0.5	1.4
7/5/99	24	12.6	9.1	6.5	2.2	6.1	24	11.2	9.3	7.6	1.3	3.6	24	9.4	7.1	5.4	1.5	4.0
7/6/99	24	13.3	9.9	7.2	2.2	6.1	24	12.4	10.5	8.7	1.3	3.7	24	10.0	7.8	6.2	1.4	3.8
7/7/99	24	9.6	8.6	7.6	0.6	2.0	24	10.7	10.1	9.5	0.3	1.2	24	7.6	6.9	6.3	0.3	1.3
7/8/99	24	12.4	9.2	6.7	2.0	5.7	24	11.9	10.2	8.7	1.1	3.2	24	9.3	7.1	5.4	1.4	3.9
7/9/99	24	13.2	9.7	7.2	2.1	6.0	24	12.9	11.1	9.3	1.3	3.6	24	9.9	7.8	6.2	1.3	3.7
7/10/99	24	13.8	10.2	7.8	2.2	6.0	24	13.5	11.9	10.4	1.1	3.1	24	10.4	8.1	6.6	1.3	3.8
7/11/99	24	13.9	10.2	7.8	2.2	6.1	24	14.1	12.4	10.9	1.1	3.2	24	10.4	8.2	6.6	1.3	3.8
7/12/99	24	14.1	10.3	7.8	2.3	6.3	24	14.4	12.6	11.0	1.1	3.4	24	10.4	8.2	6.6	1.3	3.8
7/13/99	24	13.8	10.1	7.8	2.2	6.0	24	14.4	12.6	11.2	1.1	3.2	24	10.2	8.1	6.6	1.2	3.6
7/14/99	24	11.2	8.8	7.6	1.1	3.6	24	11.8	11.1	10.2	0.4	1.6	24	7.4	6.8	6.5	0.3	0.9
7/15/99	24	12.4	9.3	7.2	1.8	5.2	24	12.9	11.2	9.8	1.1	3.1	24	8.8	7.2	5.9	1.1	2.9
7/16/99	24	11.2	8.9	7.9	1.0	3.3	24	12.3	11.2	10.7	0.4	1.6	24	7.3	7.0	6.6	0.2	0.7
7/17/99	24	8.8	8.1	7.6	0.4	1.2	24	10.9	10.5	10.2	0.2	0.7	24	6.9	6.6	6.3	0.2	0.6
7/18/99	24	13.0	9.6	7.5	2.0	5.5	24	13.3	11.4	9.9	1.2	3.4	24	9.6	7.5	6.2	1.2	3.4
7/19/99	24	13.3	9.9	7.8	2.0	5.5	24	14.1	12.2	10.7	1.2	3.4	24	9.9	8.0	6.6	1.2	3.3
7/20/99	23	13.8	9.9	7.9	1.9	5.9	24	14.7	12.7	11.3	1.2	3.4	23	10.2	8.1	6.8	1.1	3.4
7/21/99	24	13.2	10.0	8.2	1.8	5.0	24	14.9	13.0	12.1	0.9	2.8	24	9.9	8.1	7.1	1.0	2.8
7/22/99	24	13.5	10.1	8.1	2.0	5.4	24	15.1	13.1	11.8	1.1	3.3	24	10.2	8.1	6.6	1.2	3.6
7/23/99	24	13.3	10.1	7.8	2.0	5.5	24	15.1	13.2	11.6	1.1	3.5	24	9.9	8.0	6.6	1.1	3.3
7/24/99	24	11.6	9.2	8.1	1.1	3.5	24	13.0	12.5	11.8	0.4	1.2	24	7.6	7.2	6.8	0.2	0.8
7/25/99	24	12.7	9.7	7.8	1.8	4.9	24	14.4	12.6	11.5	1.0	2.9	24	9.3	7.6	6.5	1.0	2.8
7/26/99	24	13.5	9.9	7.5	2.1	6.0	24	14.9	12.9	11.2	1.3	3.7	24	9.9	7.9	6.3	1.2	3.6
7/27/99	24	14.1	10.4	8.1	2.2	6.0	24	15.5	13.5	11.9	1.2	3.6	24	10.4	8.3	6.9	1.2	3.5
7/28/99	24	14.3	10.5	8.2	2.2	6.1	24	16.0	14.0	12.6	1.2	3.4	24	10.5	8.4	7.1	1.1	3.4
7/29/99	24	13.6	10.2	8.2	2.0	5.4	24	15.8	14.0	12.9	1.1	2.9	24	10.2	8.2	6.9	1.1	3.3
7/30/99	24	13.6	10.1	7.8	2.1	5.8	24	15.8	13.9	12.6	1.1	3.2	24	10.0	8.1	6.8	1.1	3.2
7/31/99	24	13.3	10.0	7.8	2.0	5.5	24	15.5	13.7	12.6	1.1	2.9	24	9.9	8.0	6.6	1.0	3.3
8/1/99	24	13.3	9.9	7.9	2.0	5.4	24	15.5	13.6	12.4	1.1	3.1	24	9.9	8.0	6.8	1.0	3.1
8/2/99	24	13.8	10.2	7.9	2.1	5.9	24	15.7	13.8	12.4	1.2	3.3	24	10.2	8.2	6.8	1.1	3.4
8/3/99	24	13.8	10.4	8.1	2.0	5.7	24	15.8	14.1	12.7	1.1	3.1	24	10.0	8.3	7.1	1.0	2.9
8/4/99	24	13.9	10.6	8.2	2.0	5.7	24	16.3	14.5	13.0	1.1	3.3	24	10.4	8.5	7.1	1.1	3.3
8/5/99	24	11.8	10.0	8.7	1.2	3.1	24	15.4	14.4	13.8	0.5	1.6	24	8.9	8.2	7.6	0.4	1.3
8/6/99	24	9.8	9.1	8.7	0.4	1.1	24	14.0	13.8	13.3	0.2	0.7	24	7.9	7.7	7.6	0.1	0.3
8/7/99	24	10.1	9.0	8.2	0.6	1.9	24	13.6	13.3	12.9	0.2	0.7	24	7.7	7.5	7.3	0.1	0.4
8/8/99	24	12.9	9.8	8.1	1.7	4.8	24	15.1	13.6	12.7	0.8	2.4	24	9.6	7.9	6.9	0.9	2.7

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	PINCM						DRICM						SWICM					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
8/9/99	24	13.3	9.9	7.8	2.0	5.5	24	15.7	13.8	12.4	1.1	3.3	24	9.9	8.1	6.8	1.1	3.1
8/10/99	24	13.6	10.2	8.1	2.0	5.5	24	16.0	14.2	12.9	1.1	3.1	24	10.2	8.3	7.1	1.1	3.1
8/11/99	24	9.6	8.9	8.4	0.5	1.2	24	13.6	13.4	12.9	0.2	0.7	24	7.7	7.4	7.1	0.2	0.6
8/12/99	24	10.7	8.9	7.9	1.0	2.8	24	13.6	12.9	12.4	0.4	1.2	24	7.6	7.1	6.8	0.3	0.8
8/13/99	24	9.6	8.6	7.9	0.6	1.7	24	12.9	12.6	12.1	0.2	0.8	24	7.7	7.1	6.8	0.3	0.9
8/14/99	24	11.6	9.1	7.8	1.3	3.8	24	14.3	12.7	11.9	0.8	2.4	24	8.5	7.4	6.8	0.6	1.7
8/15/99	24	9.9	8.5	7.6	0.8	2.3	24	12.9	12.3	11.9	0.3	1.0	24	7.7	7.1	6.5	0.4	1.2
8/16/99	24	12.7	9.4	7.6	1.7	5.1	24	14.7	12.9	11.6	1.0	3.1	24	9.3	7.7	6.6	0.9	2.7
8/17/99	24	13.0	9.8	7.8	1.9	5.2	24	15.4	13.6	12.1	1.2	3.3	24	10.0	8.2	6.8	1.1	3.2
8/18/99	24	13.6	10.2	8.1	1.9	5.5	24	15.7	14.1	12.9	0.9	2.8	24	8.9	8.0	7.3	0.5	1.6
8/19/99	24	13.2	10.0	8.4	1.8	4.8	24	15.8	14.3	13.3	0.9	2.5	24	9.9	8.2	7.3	0.9	2.6
8/20/99	24	13.3	9.9	7.9	2.0	5.4	24	15.8	14.1	12.9	1.0	2.9	24	9.9	8.1	6.9	1.0	3.0
8/21/99	24	12.6	9.6	7.9	1.6	4.7	24	15.4	13.9	13.0	0.8	2.4	24	9.1	7.9	7.3	0.6	1.8
8/22/99	24	12.4	9.3	7.3	1.8	5.1	24	15.2	13.5	12.3	1.0	2.9	24	9.4	7.8	6.5	1.0	2.9
8/23/99	24	12.9	9.7	7.6	1.8	5.3	24	15.5	13.8	12.3	1.1	3.2	24	9.9	8.2	6.9	1.0	3.0
8/24/99	24	13.2	10.0	8.1	1.9	5.1	24	15.8	14.3	13.0	1.0	2.8	24	10.0	8.4	7.3	0.9	2.7
8/25/99	22	12.9	9.6	8.2	1.6	4.7	24	15.2	14.0	13.2	0.7	2.0	24	9.6	8.3	7.6	0.7	2.0
8/26/99	24	12.7	9.5	7.6	1.8	5.1	22	15.4	13.8	12.6	1.0	2.8	22	9.6	8.0	6.8	1.0	2.8
8/27/99	24	12.4	9.6	7.9	1.6	4.5	24	15.5	14.1	12.9	0.9	2.6	24	9.6	8.3	7.3	0.8	2.3
8/28/99	24	12.4	9.7	8.2	1.5	4.2	24	15.7	14.4	13.5	0.8	2.2	24	9.6	8.3	7.6	0.7	2.0
8/29/99	24	10.6	9.0	8.1	0.8	2.5	24	14.4	13.9	13.3	0.3	1.1	24	8.3	7.7	7.1	0.4	1.2
8/30/99	24	9.3	8.3	7.6	0.6	1.7	24	13.5	12.9	12.1	0.4	1.4	24	7.6	7.0	6.6	0.3	1.0
8/31/99	24	10.4	8.2	7.0	1.0	3.4	24	12.3	11.7	10.9	0.4	1.4	24	7.6	6.8	6.3	0.4	1.3
9/1/99	24	11.2	8.2	6.4	1.6	4.8	24	12.4	11.1	10.1	0.7	2.3	24	8.0	6.7	5.5	0.9	2.5
9/2/99	24	11.2	8.3	6.5	1.5	4.7	24	12.9	11.3	9.9	1.0	3.0	24	8.0	6.8	5.9	0.7	2.1
9/3/99	24	11.3	8.5	6.5	1.7	4.8	24	12.9	11.3	10.1	1.0	2.8	24	8.5	7.0	5.9	0.9	2.6
9/4/99	24	10.9	8.4	7.0	1.3	3.9	24	12.7	11.4	10.4	0.8	2.3	24	8.3	7.2	6.3	0.7	2.0
9/5/99	24	10.2	8.5	7.3	1.1	2.9	24	12.4	11.5	10.6	0.6	1.8	24	8.2	7.2	6.5	0.6	1.7
9/6/99	24	10.1	8.4	7.2	0.9	2.9	24	12.9	11.7	10.9	0.7	2.0	24	7.7	7.0	6.5	0.4	1.2
9/7/99	24	11.0	8.2	6.4	1.6	4.6	24	12.6	11.2	10.1	0.9	2.5	24	8.2	6.7	5.5	0.9	2.7
9/8/99	24	11.3	8.4	6.5	1.7	4.8	24	12.7	11.2	9.9	1.0	2.8	24	8.6	7.2	6.2	0.9	2.4
9/9/99	24	11.5	8.6	6.8	1.6	4.7	24	12.7	11.3	10.2	0.9	2.5	24	8.5	7.2	6.3	0.8	2.2
9/10/99	24	11.2	8.5	7.2	1.5	4.0	24	12.7	11.4	10.6	0.8	2.1	24	8.3	7.0	6.0	0.8	2.3
9/11/99	24	10.9	8.2	6.5	1.6	4.4	24	12.4	11.1	10.1	0.9	2.3	24	8.3	6.9	5.9	0.8	2.4
9/12/99	24	11.2	8.2	6.4	1.7	4.8	24	12.3	10.9	9.8	0.9	2.5	24	8.5	7.1	6.0	0.9	2.5
9/13/99	24	11.3	8.4	6.5	1.7	4.8	24	12.6	11.1	9.9	1.0	2.7	24	8.6	7.2	6.2	0.8	2.4
9/14/99	24	11.3	8.5	6.8	1.5	4.5	24	12.6	11.3	10.1	0.9	2.5	24	8.6	7.3	6.3	0.8	2.3
9/15/99	24	11.5	8.7	7.0	1.6	4.5	24	12.7	11.4	10.4	0.8	2.3	24	8.6	7.3	6.3	0.7	2.3
9/16/99	24	10.9	8.5	7.5	1.2	3.4	24	12.4	11.4	10.9	0.5	1.5	24	7.7	7.0	6.6	0.4	1.1

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	PINCM						DRICM						SWICM					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
9/17/99	24	11.3	8.7	7.5	1.4	3.8	24	12.7	11.6	10.9	0.7	1.8	24	8.3	7.1	6.2	0.8	2.1
9/18/99	24	11.3	8.7	7.2	1.5	4.1	24	12.9	11.6	10.6	0.8	2.3	24	8.8	7.4	6.5	0.8	2.3
9/19/99	24	11.3	8.7	7.2	1.4	4.1	24	13.0	11.7	10.7	0.8	2.3	24	8.8	7.5	6.6	0.7	2.2
9/20/99	24	11.2	8.7	7.3	1.4	3.9	24	12.9	11.8	10.9	0.8	2.0	24	8.8	7.6	6.6	0.7	2.2
9/21/99	24	11.2	8.7	7.2	1.4	4.0	23	12.9	11.7	10.7	0.7	2.2	23	8.8	7.5	6.6	0.7	2.2
9/22/99	23	11.5	8.9	7.3	1.5	4.2	24	12.9	11.8	10.9	0.7	2.0	24	8.9	7.6	6.6	0.7	2.3
9/23/99	24	9.0	8.0	7.0	0.7	2.0	24	11.8	11.3	10.6	0.4	1.2	24	7.4	6.9	6.2	0.3	1.2
9/24/99	24	9.5	7.6	6.2	1.1	3.3	24	11.5	10.7	9.9	0.5	1.6	24	7.1	6.4	5.7	0.5	1.4
9/25/99	24	9.1	7.8	6.5	0.8	2.6	24	10.9	10.3	9.6	0.3	1.3	24	7.6	6.7	6.0	0.4	1.6
9/26/99	24	8.4	7.0	6.1	0.8	2.3	24	10.4	9.7	9.0	0.4	1.4	24	7.1	6.2	5.5	0.5	1.6
9/27/99	24	9.3	6.9	5.3	1.4	4.0	24	9.9	9.0	8.2	0.6	1.7	24	6.9	5.7	4.8	0.7	2.1
9/28/99	24	9.5	7.0	5.4	1.4	4.1	24	9.6	8.6	7.8	0.7	1.8	24	7.1	5.9	5.1	0.7	2.0
9/29/99	24	9.9	7.4	5.8	1.4	4.1	24	9.8	8.7	7.8	0.7	2.0	24	7.6	6.3	5.2	0.8	2.4
9/30/99	24	9.9	7.5	6.1	1.3	3.8	24	9.9	8.8	7.9	0.7	2.0	24	7.4	6.2	5.4	0.6	2.0
10/1/99	24	9.6	7.2	5.6	1.4	4.0	24	9.8	8.7	7.8	0.7	2.0	24	7.4	6.1	5.2	0.7	2.2
10/2/99	24	9.5	7.2	5.8	1.3	3.7	24	9.5	8.4	7.6	0.6	1.9	24	7.3	6.0	5.2	0.6	2.1
10/3/99	24	9.5	7.1	5.6	1.3	3.9	24	9.3	8.2	7.3	0.7	2.0	24	7.3	6.1	5.2	0.7	2.1
10/4/99	24	9.5	7.3	5.8	1.3	3.7	24	9.2	8.2	7.3	0.7	1.9	24	7.3	6.2	5.2	0.7	2.1
10/5/99	24	7.9	7.4	7.0	0.3	0.9	24	9.0	8.7	8.4	0.2	0.6	24	6.8	6.4	6.2	0.2	0.6
10/6/99	24	8.8	7.7	7.2	0.6	1.6	24	9.6	9.0	8.5	0.3	1.1	24	6.9	6.5	6.2	0.3	0.7
10/7/99	24	8.1	7.6	7.3	0.3	0.8	24	9.5	9.2	9.0	0.1	0.5	24	6.6	6.6	6.5	0.1	0.1
10/8/99	24	8.5	7.9	7.3	0.4	1.2	24	9.9	9.5	9.2	0.3	0.7	24	7.4	7.0	6.5	0.3	0.9
10/9/99	24	8.8	7.3	6.2	0.8	2.6	24	9.8	9.0	8.2	0.4	1.6	24	7.1	6.1	5.5	0.5	1.6
10/10/99	24	9.0	7.2	6.1	1.0	2.9	24	9.5	8.6	7.9	0.5	1.6	24	6.9	6.1	5.4	0.6	1.5
10/11/99	24	8.7	7.4	6.4	0.8	2.3	24	9.3	8.7	8.1	0.4	1.2	24	7.1	6.3	5.7	0.5	1.4
10/12/99	24	9.1	7.8	7.2	0.7	1.9	24	9.8	9.1	8.7	0.4	1.1	24	7.4	6.6	6.2	0.4	1.2
10/13/99	24	8.4	7.4	6.4	0.6	2.0	24	9.5	9.0	8.5	0.3	1.0	24	6.9	6.4	5.7	0.3	1.2
10/14/99	24	7.9	6.5	5.6	0.8	2.3	24	9.3	8.5	7.8	0.5	1.5	24	6.5	5.7	5.1	0.4	1.4
10/15/99	24	8.1	6.3	5.4	1.0	2.7	24	8.5	7.7	7.0	0.5	1.5	24	6.3	5.3	4.8	0.5	1.5
10/16/99	24	8.1	6.1	5.0	1.1	3.1	24	7.8	6.9	6.4	0.5	1.4	24	6.2	5.2	4.4	0.6	1.8
10/17/99	24	8.5	6.5	5.1	1.2	3.4	24	7.6	6.7	5.9	0.6	1.7	24	6.5	5.5	4.6	0.7	1.9
10/18/99	24	8.8	6.9	5.8	1.1	3.0	24	7.8	6.9	6.2	0.6	1.6	24	6.8	5.9	5.2	0.5	1.6
10/19/99	24	8.5	6.7	5.4	1.1	3.1	24	7.9	7.0	6.2	0.6	1.7	24	6.8	5.9	5.2	0.5	1.6
10/20/99	23	8.7	6.8	5.6	1.1	3.1	12	7.6	6.6	6.2	0.4	1.4	23	6.8	5.9	5.2	0.5	1.6
10/21/99	24	8.7	6.9	5.6	1.1	3.1							24	7.1	6.0	5.2	0.6	1.9
10/22/99	24	8.7	7.0	5.9	1.0	2.8							24	6.9	6.1	5.5	0.5	1.4
10/23/99	24	8.5	7.0	5.8	0.9	2.7							24	6.6	6.0	5.4	0.4	1.2
10/24/99	24	8.1	7.0	6.4	0.5	1.7							24	6.5	6.0	5.7	0.2	0.8
10/25/99	24	7.5	7.1	6.4	0.4	1.1							24	6.8	6.4	5.9	0.3	0.9

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	PINCM						DRICM						SWICM					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
10/26/99	24	7.3	6.5	5.3	0.6	2.0							24	6.2	5.7	4.8	0.4	1.4
10/27/99	24	6.4	5.9	5.3	0.4	1.1							24	5.7	5.2	4.8	0.2	0.9
10/28/99	24	7.2	6.8	6.4	0.2	0.8							24	6.5	6.2	5.9	0.2	0.6
10/29/99	24	7.3	6.8	6.4	0.3	0.9							24	6.2	5.9	5.5	0.2	0.7
10/30/99	24	7.9	6.7	5.9	0.7	2.0							24	6.5	5.7	5.1	0.5	1.4
10/31/99	24	7.6	6.4	5.1	0.7	2.5							24	6.2	5.6	4.6	0.5	1.6
11/1/99	24	7.0	5.7	5.0	0.8	2.0							24	5.5	4.8	4.4	0.4	1.1
11/2/99	24	7.3	5.8	4.8	0.9	2.5							24	5.7	5.0	4.3	0.6	1.4
11/3/99	24	6.8	6.0	5.1	0.7	1.7							24	5.9	5.2	4.6	0.4	1.3
11/4/99	24	6.8	5.6	4.7	0.6	2.1							24	5.4	4.8	4.3	0.3	1.1
11/5/99	24	6.7	5.9	4.8	0.7	1.9							24	5.5	5.1	4.3	0.4	1.2
11/6/99	24	7.8	6.8	6.2	0.6	1.6							24	6.8	6.2	5.7	0.4	1.1
11/7/99	24	7.2	6.7	6.5	0.2	0.7							24	6.2	5.8	5.5	0.2	0.7
11/8/99	24	7.2	6.7	6.2	0.3	1.0							24	6.2	5.9	5.7	0.1	0.5
11/9/99	24	6.8	6.6	6.4	0.2	0.4							24	6.2	5.8	5.5	0.2	0.7
11/10/99	24	7.2	6.8	6.7	0.1	0.5							24	6.3	6.2	6.2	0.1	0.1
11/11/99	24	7.9	7.1	6.7	0.4	1.2							24	7.7	6.7	6.2	0.5	1.5
11/12/99	24	9.0	8.6	8.1	0.3	0.9							24	8.5	8.3	7.7	0.2	0.8
11/13/99	24	8.5	8.2	7.6	0.3	0.9							24	8.0	7.7	7.1	0.3	0.9
11/14/99	24	8.1	7.4	7.0	0.3	1.1							24	7.3	6.7	6.3	0.3	1.0
11/15/99	24	7.6	7.2	7.0	0.2	0.6							24	6.8	6.6	6.3	0.1	0.5
11/16/99	24	7.6	7.2	6.8	0.2	0.8							24	6.6	6.4	6.2	0.1	0.4
11/17/99	24	7.2	6.7	6.4	0.3	0.8							24	6.0	5.9	5.5	0.1	0.5
11/18/99	24	7.0	6.3	5.8	0.4	1.2							24	5.7	5.3	4.8	0.3	0.9
11/19/99	24	6.7	6.4	6.2	0.2	0.5							24	6.0	5.7	5.5	0.2	0.5
11/20/99	24	6.7	6.2	5.8	0.3	0.9							24	6.0	5.4	4.8	0.3	1.2
11/21/99	24	6.2	5.4	5.1	0.3	1.1							24	4.8	4.5	4.1	0.2	0.7
11/22/99	9	5.3	4.9	4.0	0.5	1.3	Present, but inaccessible - high flow						13	4.6	4.1	3.5	0.5	1.1
11/23/99													11/22: Extended cable					
11/24/99																		
11/25/99																		
11/26/99																		
11/27/99																		
11/28/99																		
11/29/99																		
11/30/99																		
12/1/99																		
12/2/99																		
12/3/99																		

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	PINCM						DRICM						SWICM					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
12/4/99																		
12/5/99																		
12/6/99																		
12/7/99																		
12/8/99																		
12/9/99																		
12/10/99																		
12/11/99																		
12/12/99																		
12/13/99																		
12/14/99																		
12/15/99																		
12/16/99																		
12/17/99																		
12/18/99																		
12/19/99	Inaccessible - high flow						Inaccessible - high flow						Inaccessible - high flow					
12/20/99																		
12/21/99																		
12/22/99																		
12/23/99																		
12/24/99																		
12/25/99																		
12/26/99																		
12/27/99																		
12/28/99																		
12/29/99																		
12/30/99																		
12/31/99																		
1/1/00																		
1/2/00																		
1/3/00																		
1/4/00																		
1/5/00																		
1/6/00																		
1/7/00																		
1/8/00																		
1/9/00																		
1/10/00																		
1/11/00																		

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	PINCM						DRICM						SWICM					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
1/12/00																		
1/13/00																		
1/14/00																		
1/15/00																		
1/16/00																		
1/17/00																		
1/18/00																		
1/19/00																		
1/20/00																		
1/21/00																		
1/22/00																		
1/23/00																		
1/24/00																		
1/25/00	Inaccessible - snow						Inaccessible - snow						Inaccessible - snow					
1/26/00																		
1/27/00																		
1/28/00																		
1/29/00																		
1/30/00																		
1/31/00																		
2/1/00																		
2/2/00																		
2/3/00																		
2/4/00																		
2/5/00																		
2/6/00																		
2/7/00																		
2/8/00																		
2/9/00																		
2/10/00																		
2/11/00																		
2/12/00																		
2/13/00																		
2/14/00																		
2/15/00																		
2/16/00																		
2/17/00																		
2/18/00																		
2/19/00																		

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	PINCM						DRICM						SWICM					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
2/20/00																		
2/21/00	Inaccessible - snow						Inaccessible - snow						Inaccessible - snow					
2/22/00																		
2/23/00																		
2/24/00																		
2/25/00																		
2/26/00																		
2/27/00																		
2/28/00																		
2/29/00																		
3/1/00																		
3/2/00																		
3/3/00																		
3/4/00																		
3/5/00																		
3/6/00																		
3/7/00																		
3/8/00																		
3/9/00																		
3/10/00																		
3/11/00																		
3/12/00																		
3/13/00																		
3/14/00	3/21: Could not locate; replaced																	
3/15/00																		
3/16/00																		
3/17/00																		
3/18/00																		
3/19/00																		
3/20/00																		
3/21/00	13	7.6	6.3	4.8	1.0	2.8	Inaccessible - water too low for launching						Inaccessible - water too low for launching					
3/22/00	24	6.4	5.3	4.5	0.6	1.9												
3/23/00	24	6.9	5.4	4.5	0.9	2.4												
3/24/00	24	7.6	5.5	4.1	1.2	3.5												
3/25/00	24	7.6	5.6	4.5	1.1	3.1												
3/26/00	24	8.3	5.7	4.1	1.5	4.2												
3/27/00	24	6.1	5.4	4.8	0.4	1.3												
3/28/00	24	6.9	5.5	4.8	0.8	2.1												
3/29/00	24	7.6	5.6	4.4	1.1	3.2												

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	PINCM						DRICM						SWICM					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
3/30/00	24	8.4	5.8	4.2	1.5	4.2												
3/31/00	24	9.0	6.2	4.5	1.6	4.5												
4/1/00	24	9.6	6.8	5.3	1.6	4.3												
4/2/00	24	9.5	6.8	5.3	1.5	4.2												
4/3/00	24	9.3	6.7	5.0	1.5	4.3												
4/4/00	24	7.0	6.0	5.0	0.6	2.0												
4/5/00	24	6.6	5.4	4.5	0.7	2.1												
4/6/00	24	7.0	5.6	4.8	0.7	2.2												
4/7/00	24	8.7	6.1	4.2	1.6	4.5												
4/8/00	24	9.0	6.5	4.5	1.6	4.5												
4/9/00	24	8.6	6.7	5.6	1.0	3.0												
4/10/00	24	9.6	6.9	5.5	1.6	4.1												
4/11/00	24	9.8	6.9	4.8	1.7	5.0												
4/12/00	24	9.3	7.0	5.6	1.3	3.7												
4/13/00	24	7.0	6.5	5.9	0.3	1.1												
4/14/00	24	6.6	6.0	5.6	0.3	1.0												
4/15/00	24	7.0	5.8	5.3	0.6	1.7												
4/16/00	24	7.3	6.0	5.2	0.8	2.1												
4/17/00	24	8.4	6.3	4.8	1.2	3.6												
4/18/00	23	9.6	6.6	5.3	1.3	4.3	Inaccessible - water too low for launching						Inaccessible - water too low for launching					
4/19/00	24	9.6	6.9	4.8	1.6	4.8												
4/20/00	24	10.1	7.3	5.6	1.6	4.5												
4/21/00	24	9.5	7.1	5.2	1.4	4.3												
4/22/00	24	8.6	6.8	5.6	0.9	3.0												
4/23/00	24	6.9	5.9	4.8	0.6	2.1												
4/24/00	24	8.1	6.1	4.5	1.3	3.6												
4/25/00	24	7.0	6.0	5.2	0.6	1.8												
4/26/00	24	9.8	7.1	5.3	1.6	4.5												
4/27/00	24	7.9	6.7	5.8	0.7	2.1												
4/28/00	24	6.9	6.0	5.5	0.5	1.4												
4/29/00	24	9.2	6.9	5.3	1.4	3.9												
4/30/00	24	10.6	7.6	5.6	1.8	5.0												
5/1/00	24	9.6	7.6	6.2	1.2	3.4												
5/2/00	24	9.5	7.8	6.7	1.0	2.8												
5/3/00	24	8.3	7.1	6.2	0.6	2.1												
5/4/00	24	8.1	6.6	5.8	0.8	2.3												
5/5/00	24	8.4	6.7	5.6	0.9	2.8												
5/6/00	24	9.6	6.9	5.0	1.6	4.6												
5/7/00	24	10.0	7.2	4.8	1.8	5.2												

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	PINCM						DRICM						SWICM					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
5/8/00	24	8.3	7.2	6.6	0.6	1.7												
5/9/00	24	7.0	6.5	5.9	0.3	1.1												
5/10/00	24	6.1	5.6	5.0	0.3	1.1												
5/11/00	24	7.9	6.1	5.0	1.0	2.9												
5/12/00	24	8.7	6.7	5.2	1.3	3.5												
5/13/00	24	8.3	7.0	5.9	0.8	2.4												
5/14/00	24	9.6	7.7	5.9	1.3	3.7												
5/15/00	24	10.7	8.2	6.6	1.5	4.1												
5/16/00	24	11.7	8.5	6.4	1.8	5.3												
5/17/00	24	8.6	7.4	6.4	0.7	2.2												
5/18/00	24	10.9	8.3	6.1	1.6	4.8												
5/19/00	24	11.2	8.6	7.3	1.3	3.9												
5/20/00	24	11.5	8.6	6.6	1.7	4.9												
5/21/00	24	11.7	9.1	7.5	1.5	4.2												
5/22/00	24	11.7	9.2	7.6	1.5	4.1												
5/23/00	24	11.8	9.1	7.2	1.7	4.6												
5/24/00	24	11.7	8.7	6.6	1.8	5.1												
5/25/00	24	9.6	7.9	6.6	1.0	3.0												
5/26/00	24	9.2	7.9	7.2	0.6	2.0												
5/27/00	24	10.6	8.4	7.5	1.1	3.1												
5/28/00	24	9.3	8.0	7.2	0.8	2.1												
5/29/00	24	10.1	8.1	6.9	1.1	3.2												
5/30/00	24	8.1	7.4	6.9	0.4	1.2												
5/31/00	8	7.0	6.9	6.9	0.1	0.1	Buried by LWD & gravel						Buried by LWD & gravel					

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	OLECM						SW2BL						YALTR					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
4/14/99																		
4/15/99																		
4/16/99																		
4/17/99																		
4/18/99																		
4/19/99																		
4/20/99																		
4/21/99																		
4/22/99																		
4/23/99																		
4/24/99																		
4/25/99																		
4/26/99	4/27: Initial deployment																	
4/27/99	9	5.9	5.4	5.0	0.4	0.9												
4/28/99	24	7.0	5.7	4.8	0.8	2.2												
4/29/99	24	8.0	6.2	4.8	1.1	3.2												
4/30/99	24	8.1	6.6	5.3	0.9	2.8												
5/1/99	24	6.7	6.4	5.9	0.2	0.8												
5/2/99	24	5.9	5.2	4.8	0.3	1.1												
5/3/99	24	5.6	5.2	4.7	0.3	0.9												
5/4/99	24	5.6	5.1	4.7	0.3	0.9												
5/5/99	24	6.9	5.7	4.5	0.8	2.4												
5/6/99	24	7.0	6.3	5.8	0.5	1.2												
5/7/99	24	5.8	5.2	4.8	0.2	1.0												
5/8/99	24	5.8	5.1	4.5	0.4	1.3												
5/9/99	24	6.1	5.2	4.5	0.5	1.6												
5/10/99	24	7.0	5.7	4.5	0.8	2.5												
5/11/99	24	6.6	6.0	5.3	0.5	1.3												
5/12/99	24	6.7	6.2	5.9	0.3	0.8												
5/13/99	24	6.9	6.0	5.6	0.4	1.3												
5/14/99	24	6.9	6.1	5.6	0.4	1.3												
5/15/99	24	6.4	6.1	5.9	0.2	0.5												
5/16/99	24	7.5	6.7	5.9	0.6	1.6												
5/17/99	24	7.0	6.7	6.6	0.2	0.4	5/18: Initial deployment						5/18: Initial deployment					
5/18/99	23	6.6	6.4	5.8	0.2	0.8	8	7.5	7.1	6.6	0.3	0.9	12	7.9	7.8	7.6	0.1	0.3
5/19/99	24	7.2	6.2	5.3	0.7	1.9	24	8.6	7.2	5.9	1.0	2.7	24	8.2	7.9	7.6	0.2	0.6
5/20/99	24	7.2	6.6	5.9	0.5	1.3	24	8.4	7.6	6.7	0.7	1.7	24	8.4	8.1	7.8	0.2	0.6
5/21/99	24	8.4	7.1	6.3	0.7	2.1	24	10.4	8.5	7.0	1.2	3.4	24	8.1	7.9	7.8	0.1	0.3
5/22/99	24	9.2	7.7	6.4	1.0	2.8	24	11.3	9.1	7.3	1.4	4.0	24	9.0	8.6	7.9	0.4	1.1

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	OLECM						SW2BL						YALTR					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
5/23/99	24	10.1	8.4	7.2	1.0	2.9	24	12.1	9.8	8.1	1.4	4.0	24	9.0	8.9	8.7	0.1	0.3
5/24/99	24	10.3	8.7	7.6	0.9	2.7	24	12.3	10.1	8.4	1.3	3.9	24	9.8	9.0	8.6	0.4	1.2
5/25/99	24	9.5	8.4	7.5	0.6	2.0	24	11.7	9.9	8.9	1.0	2.8	24	9.8	8.8	8.1	0.4	1.7
5/26/99	24	9.5	8.0	6.7	1.0	2.8	24	12.0	9.7	7.8	1.4	4.2	24	9.8	9.4	8.7	0.4	1.1
5/27/99	24	10.0	8.4	7.3	0.9	2.7	24	12.6	10.2	8.4	1.4	4.2	24	10.4	9.7	9.2	0.3	1.2
5/28/99	24	8.9	8.2	7.5	0.5	1.4	24	10.7	9.6	8.7	0.7	2.0	24	9.8	9.6	9.3	0.1	0.5
5/29/99	24	10.0	8.2	6.9	0.9	3.1	24	12.7	10.1	8.0	1.6	4.7	24	9.9	9.8	9.6	0.1	0.3
5/30/99	24	10.1	8.5	7.3	0.9	2.8	24	13.2	10.5	8.6	1.6	4.6	24	10.7	9.8	9.5	0.4	1.2
5/31/99	24	8.4	8.1	7.8	0.2	0.6	24	10.0	9.3	9.0	0.2	1.0	24	10.7	10.0	9.3	0.5	1.4
6/1/99	24	8.6	8.0	7.2	0.4	1.4	24	10.6	9.4	8.6	0.7	2.0	24	9.8	9.5	9.3	0.2	0.5
6/2/99	24	8.4	7.6	6.7	0.6	1.7	24	11.2	9.4	7.8	1.2	3.4	24	10.1	9.8	9.5	0.2	0.6
6/3/99	24	10.1	8.3	6.9	1.1	3.2	24	13.5	10.5	8.0	1.9	5.5	24	9.8	9.3	8.7	0.3	1.1
6/4/99	24	8.6	8.2	7.8	0.3	0.8	24	10.7	10.1	9.3	0.5	1.4	24	10.3	9.5	9.0	0.5	1.3
6/5/99	24	8.7	8.3	7.8	0.3	0.9	24	10.3	9.6	8.9	0.4	1.4	24	10.1	9.8	9.5	0.3	0.6
6/6/99	24	8.6	7.8	7.3	0.4	1.3	24	10.0	9.1	8.4	0.6	1.6	24	9.8	9.7	9.5	0.1	0.3
6/7/99	24	8.0	7.5	7.2	0.2	0.8	24	10.0	8.9	8.4	0.5	1.6	24	10.4	10.0	9.6	0.3	0.8
6/8/99	24	8.3	7.6	7.2	0.3	1.1	24	10.0	9.1	8.4	0.5	1.6	24	9.9	9.7	9.3	0.2	0.6
6/9/99	24	9.2	8.1	7.5	0.6	1.7	24	11.7	9.9	8.6	1.1	3.1	24	9.9	9.7	9.5	0.1	0.4
6/10/99	24	10.3	8.5	7.2	1.1	3.1	24	13.7	10.7	8.4	1.9	5.3	24	9.8	9.7	9.6	0.1	0.2
6/11/99	24	10.3	9.1	8.1	0.8	2.2	24	13.5	11.3	9.5	1.4	4.0	24	10.7	10.1	9.6	0.4	1.1
6/12/99	24	11.5	9.9	8.7	0.9	2.8	24	13.8	11.8	10.1	1.4	3.7	24	10.1	9.9	9.3	0.3	0.8
6/13/99	24	12.1	10.4	9.3	1.0	2.8	24	15.1	12.3	10.3	1.7	4.8	24	10.7	9.7	9.3	0.3	1.4
6/14/99	24	12.9	11.0	9.7	1.1	3.2	24	16.2	13.1	10.9	1.8	5.3	24	11.3	10.2	9.6	0.6	1.7
6/15/99	24	10.9	10.3	10.1	0.2	0.8	24	12.4	11.5	11.0	0.3	1.4	24	10.7	10.1	9.6	0.3	1.1
6/16/99	24	11.7	10.6	9.8	0.7	1.9	24	14.1	11.8	10.1	1.5	4.0	24	10.9	10.4	9.9	0.2	1.0
6/17/99	24	12.4	10.7	9.5	1.0	2.9	24	14.7	12.1	9.8	1.8	4.9	24	10.9	10.7	10.4	0.2	0.5
6/18/99	24	10.9	10.4	10.0	0.3	0.9	24	12.7	11.7	10.9	0.6	1.8	24	11.0	10.7	10.3	0.3	0.7
6/19/99	24	11.7	10.4	9.8	0.7	1.9	24	15.1	12.1	10.4	1.5	4.7	24	10.9	10.6	10.6	0.1	0.3
6/20/99	24	10.7	10.0	9.3	0.4	1.4	24	12.0	11.0	10.3	0.5	1.7	24	11.5	11.0	10.6	0.3	0.9
6/21/99	24	10.4	10.0	9.7	0.3	0.7	24	11.2	10.7	10.3	0.3	0.9	24	10.9	10.8	10.4	0.1	0.5
6/22/99	24	10.9	10.2	9.7	0.4	1.2	24	12.1	11.0	10.1	0.7	2.0	24	10.9	10.7	10.6	0.1	0.3
6/23/99	23	12.3	10.5	9.8	0.7	2.5	23	14.0	11.6	10.3	1.4	3.7	24	11.3	11.0	10.7	0.2	0.6
6/24/99	24	10.7	10.5	10.0	0.2	0.7	24	11.8	11.3	10.6	0.4	1.2	24	10.9	10.4	9.9	0.3	1.0
6/25/99	24	10.6	10.0	9.7	0.3	0.9	24	11.5	10.7	10.1	0.5	1.4	24	11.0	10.8	10.4	0.2	0.6
6/26/99	24	10.3	9.8	9.3	0.3	1.0	24	11.2	10.4	9.6	0.5	1.6	24	11.0	10.9	10.7	0.1	0.3
6/27/99	24	11.4	10.1	9.3	0.7	2.1	24	13.8	11.5	9.6	1.4	4.2	24	10.9	10.7	10.6	0.1	0.3
6/28/99	24	10.6	9.8	9.0	0.5	1.6	24	11.8	10.9	10.0	0.6	1.8	24	11.2	10.9	10.4	0.2	0.8
6/29/99	24	11.5	10.5	9.7	0.6	1.8	24	13.0	11.5	10.3	1.0	2.7	24	11.2	11.0	10.7	0.1	0.5
6/30/99	24	11.1	10.5	10.1	0.3	1.0	24	12.1	11.2	10.7	0.4	1.4	24	11.0	10.8	10.4	0.2	0.6

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	OLECM						SW2BL						YALTR					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
7/1/99	24	11.4	10.5	10.0	0.4	1.4	24	12.4	11.3	10.3	0.7	2.1	24	11.0	10.8	10.7	0.1	0.3
7/2/99	24	10.9	10.0	9.7	0.4	1.2	24	11.5	10.7	10.0	0.5	1.5	24	11.0	10.9	10.7	0.1	0.3
7/3/99	24	10.4	9.9	9.5	0.3	0.9	24	11.2	10.4	9.8	0.5	1.4	24	11.2	11.1	10.9	0.1	0.3
7/4/99	24	10.6	10.0	9.5	0.4	1.1	24	11.3	10.6	9.8	0.5	1.5	24	10.9	10.8	10.6	0.1	0.3
7/5/99	24	13.1	10.9	9.2	1.4	3.9	24	14.3	11.7	9.3	1.8	5.0	24	12.6	11.5	10.9	0.5	1.7
7/6/99	24	13.5	11.6	10.0	1.3	3.5	24	15.4	13.1	10.7	1.7	4.7	24	11.3	10.9	10.6	0.2	0.7
7/7/99	24	11.2	10.7	10.3	0.2	0.9	24	12.7	11.7	10.7	0.4	2.0	24	11.6	11.2	10.7	0.4	0.9
7/8/99	24	13.2	11.3	10.0	1.2	3.2	24	13.0	11.7	10.1	1.1	2.9	24	11.6	11.4	10.9	0.2	0.7
7/9/99	24	14.0	12.0	10.4	1.3	3.6	24	16.0	13.2	10.4	2.1	5.6	24	12.6	11.8	10.9	0.6	1.7
7/10/99	24	14.3	12.4	10.9	1.2	3.4	24	15.8	13.7	11.5	1.5	4.3	24	11.9	11.4	11.2	0.2	0.7
7/11/99	24	14.5	12.5	10.9	1.3	3.6	24	15.7	13.9	11.7	1.5	4.0	24	11.8	11.4	11.0	0.2	0.8
7/12/99	24	14.6	12.7	11.1	1.3	3.5	24	16.5	14.0	11.8	1.5	4.7	24	11.6	11.4	11.2	0.2	0.4
7/13/99	24	14.5	12.6	11.2	1.2	3.3	24	17.1	14.4	12.6	1.5	4.5	24	11.5	11.3	11.2	0.1	0.3
7/14/99	24	11.7	11.3	10.7	0.2	1.0	24	13.2	11.9	10.9	0.5	2.3	24	12.3	11.8	11.2	0.4	1.1
7/15/99	24	13.4	11.8	10.3	1.2	3.1	24	15.1	12.6	10.3	1.8	4.8	24	11.8	11.4	11.2	0.2	0.6
7/16/99	24	12.1	11.5	11.1	0.3	1.0	24	12.7	12.0	11.3	0.4	1.4	24	12.1	11.6	11.3	0.3	0.8
7/17/99	24	11.5	11.1	10.9	0.2	0.6	24	11.3	11.0	10.7	0.2	0.6	24	11.6	11.4	11.0	0.2	0.6
7/18/99	24	14.0	12.2	10.7	1.2	3.3	24	15.5	12.9	10.6	1.9	4.9	24	11.8	11.4	11.3	0.1	0.5
7/19/99	24	14.8	12.8	11.4	1.3	3.4	24	16.2	14.4	12.4	1.4	3.8	24	13.2	12.1	11.3	0.6	1.9
7/20/99	24	14.9	13.0	11.5	1.2	3.4	24	16.8	14.5	12.6	1.4	4.2	24	11.9	11.7	11.5	0.1	0.4
7/21/99	21	14.6	13.0	11.8	1.1	2.8	24	16.2	14.3	12.7	1.2	3.5	23	12.4	11.9	11.6	0.3	0.8
7/22/99	24	15.0	13.1	11.5	1.3	3.5	24	17.4	14.7	12.6	1.6	4.8	24	12.1	11.8	11.6	0.2	0.5
7/23/99	24	14.9	13.1	11.5	1.2	3.4	24	17.0	14.6	12.3	1.6	4.7	24	12.4	11.8	11.5	0.2	0.9
7/24/99	24	13.0	12.4	11.9	0.3	1.1	24	14.0	13.2	12.1	0.5	1.9	24	13.5	12.2	11.6	0.5	1.9
7/25/99	24	14.4	12.8	11.6	1.0	2.8	24	16.3	14.3	12.0	1.5	4.3	24	12.9	12.1	11.6	0.3	1.3
7/26/99	24	15.0	13.0	11.5	1.3	3.5	24	17.0	14.8	12.9	1.2	4.1	24	13.0	12.1	11.6	0.3	1.4
7/27/99	24	15.3	13.4	11.9	1.2	3.4	24	17.4	14.8	12.9	1.6	4.5	24	12.1	11.9	11.6	0.1	0.5
7/28/99	24	15.7	13.6	12.2	1.2	3.5	24	17.6	14.9	12.6	1.7	5.0	24	13.3	12.1	11.8	0.4	1.5
7/29/99	24	15.0	13.4	12.4	1.0	2.6	24	17.4	15.1	13.7	1.1	3.7	24	15.2	12.6	11.8	1.0	3.4
7/30/99	24	15.2	13.3	12.1	1.1	3.1	24	17.3	15.2	13.7	1.1	3.6	24	13.8	12.2	11.8	0.5	2.0
7/31/99	24	15.2	13.3	12.1	1.1	3.1	24	17.4	15.1	12.9	1.5	4.5	24	12.9	12.1	11.6	0.3	1.3
8/1/99	24	15.0	13.2	12.2	1.0	2.8	24	17.1	14.9	13.2	1.4	3.9	24	14.6	12.3	11.8	0.7	2.8
8/2/99	24	15.7	13.5	12.1	1.2	3.6	24	17.6	15.4	13.4	1.3	4.2	24	14.4	12.4	11.8	0.7	2.6
8/3/99	24	15.7	13.6	12.2	1.2	3.5	24	17.3	15.5	13.0	1.3	4.3	24	15.1	12.8	11.8	1.0	3.3
8/4/99	24	16.0	13.9	12.4	1.3	3.6	24	18.2	15.5	12.4	1.9	5.8	24	12.6	12.2	11.8	0.2	0.8
8/5/99	24	14.1	13.5	13.0	0.4	1.1	24	15.8	14.6	13.4	0.7	2.4	24	14.6	12.6	11.9	0.6	2.7
8/6/99	24	13.5	13.2	13.0	0.2	0.5	24	14.4	13.9	13.5	0.3	0.9	24	15.1	12.8	11.9	0.8	3.2
8/7/99	24	13.3	12.9	12.7	0.2	0.6	24	14.4	13.7	12.4	0.6	2.0	24	16.8	14.2	12.1	2.0	4.7
8/8/99	24	14.7	13.4	12.5	0.8	2.2	24	16.3	14.5	13.2	1.1	3.1	24	16.5	13.8	12.3	1.4	4.2

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	OLECM						SW2BL						YALTR					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
8/9/99	24	15.8	13.8	12.4	1.3	3.4	24	17.4	15.4	13.8	1.3	3.6	24	13.2	12.5	11.8	0.4	1.4
8/10/99	24	16.1	14.0	12.5	1.3	3.6	24	17.8	15.8	14.1	1.2	3.7	24	16.0	13.0	12.1	1.2	3.9
8/11/99	24	13.5	13.1	12.9	0.1	0.6	24	14.6	13.6	12.1	0.6	2.5	24	13.3	12.6	11.8	0.4	1.5
8/12/99	24	13.9	13.1	12.5	0.5	1.4	24	14.4	13.4	12.4	0.6	2.0	24	15.4	12.9	12.3	0.8	3.1
8/13/99	24	13.3	13.0	12.7	0.2	0.6	24	13.8	13.0	11.8	0.5	2.0	24	13.0	12.5	12.1	0.3	0.9
8/14/99	24	13.8	13.0	12.4	0.5	1.4	24	15.1	13.6	11.8	0.8	3.3	24	13.3	12.7	12.4	0.2	0.9
8/15/99	24	13.5	12.9	12.4	0.4	1.1	24	14.7	14.1	12.9	0.5	1.8	24	15.8	14.1	12.9	1.2	2.9
8/16/99	24	15.3	13.6	12.4	1.1	2.9	24	15.7	14.3	13.2	0.9	2.5	24	15.7	13.9	12.4	1.4	3.3
8/17/99	24	16.1	14.1	12.7	1.3	3.4	24	16.8	14.9	12.7	1.4	4.1	24	13.2	12.7	12.4	0.3	0.8
8/18/99	24	15.3	14.1	13.3	0.7	2.0	24	16.2	14.8	13.7	0.7	2.5	24	13.5	12.8	12.6	0.2	0.9
8/19/99	24	15.8	14.5	13.5	0.9	2.3	24	16.2	14.7	13.5	0.9	2.7	24	13.2	12.9	12.6	0.1	0.6
8/20/99	24	16.0	14.5	13.3	0.9	2.7	24	16.8	15.0	13.5	1.0	3.3	24	13.2	12.6	12.3	0.3	0.9
8/21/99	24	15.2	14.5	13.9	0.4	1.3	24	16.5	14.5	13.0	1.2	3.5	24	16.5	15.0	12.3	1.4	4.2
8/22/99	24	15.7	14.3	13.0	1.0	2.7	24	16.5	14.4	12.6	1.3	3.9	24	15.8	14.7	13.3	0.9	2.5
8/23/99	24	16.6	15.1	13.8	1.0	2.8	24	16.2	14.6	12.9	1.1	3.3	24	14.1	13.2	12.6	0.5	1.5
8/24/99	24	16.6	15.3	14.2	0.8	2.4	24	16.8	14.6	12.7	1.4	4.1	24	13.6	13.1	12.6	0.4	1.0
8/25/99	24	15.7	14.7	13.6	0.5	2.1	22	15.7	14.0	13.0	0.8	2.7	22	14.4	13.2	12.1	0.5	2.3
8/26/99	24	16.0	14.3	12.7	1.2	3.3	24	15.8	13.9	11.8	1.4	4.0	24	13.8	13.3	12.7	0.3	1.1
8/27/99	24	16.1	14.8	13.6	0.9	2.5	24	15.5	14.0	12.6	1.0	2.9	24	15.1	13.6	13.0	0.5	2.1
8/28/99	24	16.3	15.0	13.9	0.8	2.4	24	15.7	14.1	12.7	1.0	3.0	24	17.0	15.0	13.3	1.5	3.7
8/29/99	24	14.7	14.1	13.6	0.2	1.1	24	13.8	13.1	12.3	0.4	1.5	24	17.0	15.9	15.2	0.5	1.8
8/30/99	24	13.5	13.1	12.5	0.2	1.0	24	13.4	12.2	11.5	0.5	1.9	24	15.7	14.2	12.9	1.1	2.8
8/31/99	24	13.2	12.5	11.9	0.4	1.3	24	12.4	11.7	11.2	0.4	1.2	24	13.6	13.4	13.2	0.1	0.4
9/1/99	24	14.4	12.6	11.1	1.2	3.3	24	14.3	12.1	10.3	1.4	4.0	24	14.1	13.4	12.7	0.4	1.4
9/2/99	24	14.6	12.9	11.5	1.2	3.1	24	14.1	12.5	10.7	1.2	3.4	24	14.4	13.6	12.7	0.6	1.7
9/3/99	24	14.6	13.0	11.5	1.1	3.1	24	14.6	12.7	10.9	1.2	3.7	24	14.1	13.6	13.2	0.3	0.9
9/4/99	24	14.1	13.0	11.9	0.8	2.2	24	14.1	12.6	11.3	1.0	2.8	24	15.2	13.9	13.2	0.7	2.0
9/5/99	24	13.6	12.9	12.1	0.5	1.5	24	13.4	12.2	11.2	0.7	2.2	24	15.1	14.5	14.0	0.2	1.1
9/6/99	24	13.6	13.0	12.5	0.4	1.1	24	13.5	12.3	11.2	0.8	2.3	24	14.6	14.0	13.3	0.3	1.3
9/7/99	24	13.8	12.6	11.1	0.9	2.7	24	14.1	12.2	10.4	1.2	3.7	24	14.3	13.9	13.5	0.3	0.8
9/8/99	24	13.9	13.2	12.2	0.7	1.7	24	14.3	12.5	10.9	1.2	3.4	24	15.2	14.0	13.3	0.7	1.9
9/9/99	24	13.8	13.2	12.7	0.3	1.1	24	14.6	12.7	11.2	1.1	3.4	24	14.3	13.9	13.3	0.2	1.0
9/10/99	24	13.2	12.9	12.7	0.2	0.5	24	14.0	12.5	11.5	0.8	2.5	24	14.3	14.0	13.5	0.2	0.8
9/11/99	24	13.3	12.8	12.4	0.4	0.9	24	14.1	12.5	11.0	1.1	3.1	24	14.0	13.5	13.2	0.2	0.8
9/12/99	24	13.3	12.9	12.5	0.3	0.8	24	14.3	12.6	11.0	1.1	3.3	24	13.6	13.2	12.4	0.3	1.2
9/13/99	24	13.5	13.1	12.7	0.3	0.8	24	14.3	12.8	11.2	1.1	3.1	24	15.4	14.1	12.3	0.9	3.1
9/14/99	24	13.5	13.2	12.9	0.2	0.6	24	14.1	12.8	11.5	0.9	2.6	24	14.3	14.0	13.6	0.2	0.7
9/15/99	24	13.3	13.2	13.0	0.1	0.3	24	14.0	12.7	11.7	0.8	2.3	24	14.0	13.8	13.2	0.2	0.8
9/16/99	24	13.2	13.1	13.0	0.0	0.2	24	13.5	12.4	11.8	0.5	1.7	24	14.0	13.7	12.9	0.3	1.1

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	OLECM						SW2BL						YALTR					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
9/17/99	24	13.3	13.1	13.0	0.1	0.3	24	13.7	12.4	11.3	0.9	2.4	24	14.1	13.6	12.9	0.4	1.2
9/18/99	24	13.3	13.2	13.0	0.1	0.3	24	14.1	12.7	11.3	1.0	2.8	24	14.6	13.7	12.6	0.5	2.0
9/19/99	24	13.3	13.2	13.0	0.1	0.3	24	14.1	12.7	11.5	0.9	2.6	24	15.5	14.0	12.6	1.0	2.9
9/20/99	24	13.5	13.3	13.2	0.1	0.3	24	13.8	12.8	11.5	0.8	2.3						
9/21/99	24	13.5	13.4	13.3	0.1	0.2	24	13.8	12.7	11.5	0.8	2.3						
9/22/99	22	13.6	13.4	13.3	0.1	0.3	23	13.8	12.6	11.5	0.8	2.3						
9/23/99	24	13.5	13.3	13.0	0.1	0.5	24	12.4	11.9	11.0	0.4	1.4						
9/24/99	24	13.0	12.9	12.7	0.1	0.3	24	12.1	11.3	10.6	0.6	1.5						
9/25/99	24	13.0	12.9	12.7	0.1	0.3	24	12.3	11.4	10.9	0.4	1.4						
9/26/99	24	12.9	12.6	12.2	0.1	0.7	24	12.0	11.1	10.6	0.5	1.4						
9/27/99	24	12.5	12.3	11.9	0.2	0.6	24	11.7	10.7	9.8	0.6	1.9						
9/28/99	24	12.4	12.2	12.1	0.1	0.3	24	11.8	10.7	9.8	0.7	2.0						
9/29/99	24	12.4	12.2	11.6	0.2	0.8	24	12.0	11.0	10.1	0.7	1.9						
9/30/99	24	12.2	12.1	11.8	0.1	0.4	24	11.7	11.0	10.1	0.5	1.6						
10/1/99	24	12.1	11.9	11.6	0.1	0.5	24	12.0	10.9	10.0	0.6	2.0						
10/2/99	24	11.9	11.8	11.6	0.1	0.3	24	12.0	10.9	10.1	0.6	1.9						
10/3/99	24	11.8	11.6	11.5	0.1	0.3	24	11.8	10.9	10.0	0.6	1.8						
10/4/99	24	11.6	11.5	11.3	0.1	0.3	24	11.7	11.0	10.1	0.6	1.6						
10/5/99	24	11.6	11.5	11.5	0.1	0.1	24	11.7	11.2	10.9	0.3	0.8						
10/6/99	24	11.5	11.5	11.5	0.0	0.0	24	11.8	11.4	10.9	0.3	0.9						
10/7/99	24	11.5	11.5	11.5	0.0	0.0	24	11.3	11.2	11.0	0.1	0.3						
10/8/99	24	11.6	11.4	10.5	0.2	1.1	24	11.5	11.3	10.9	0.2	0.6						
10/9/99	24	11.1	10.5	9.9	0.4	1.2	24	11.7	11.0	10.4	0.4	1.3						
10/10/99	24	11.8	10.8	9.9	0.7	1.9	24	11.5	10.9	10.1	0.5	1.4						
10/11/99	24	11.6	10.9	10.2	0.5	1.4	24	12.0	11.2	10.4	0.5	1.6						
10/12/99	24	11.8	11.1	10.7	0.3	1.1	24	12.1	11.6	11.3	0.3	0.8						
10/13/99	24	11.3	11.0	10.7	0.2	0.6	24	11.8	11.3	10.9	0.3	0.9						
10/14/99	24	10.8	10.7	10.5	0.1	0.3	24	11.3	10.7	10.3	0.3	1.0						
10/15/99	24	10.5	10.4	10.2	0.1	0.3	24	10.9	10.4	10.0	0.3	0.9						
10/16/99	24	10.2	10.1	10.1	0.1	0.1	24	10.6	10.0	9.5	0.4	1.1						
10/17/99	24	10.1	9.9	9.8	0.1	0.3	24	10.7	10.2	9.6	0.4	1.1						
10/18/99	24	9.9	9.8	9.8	0.1	0.1	24	11.2	10.6	10.1	0.4	1.1						
10/19/99	24	9.9	9.8	9.8	0.1	0.1	24	11.2	10.6	10.1	0.4	1.1						
10/20/99	14	9.9	9.8	9.8	0.1	0.1	23	11.2	10.5	10.0	0.4	1.2	10/20: Downloaded temperatures erratic - extended cable					
10/21/99							24	12.1	10.9	10.0	0.7	2.1	24	13.0	12.9	12.9	0.0	0.1
10/22/99							24	11.5	10.9	10.4	0.3	1.1	24	12.9	12.9	12.7	0.1	0.2
10/23/99							24	11.0	10.7	10.3	0.3	0.7	24	12.9	12.8	12.7	0.1	0.2
10/24/99							24	11.5	10.9	10.6	0.3	0.9	24	12.9	12.7	12.6	0.1	0.3
10/25/99							24	10.9	10.7	10.4	0.2	0.5	24	12.7	12.6	12.6	0.1	0.1

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	OLECM						SW2BL						YALTR					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
10/26/99							24	10.7	10.3	9.6	0.3	1.1	24	12.6	12.5	12.4	0.1	0.2
10/27/99							24	9.6	9.4	9.2	0.2	0.4	24	12.6	12.3	12.3	0.1	0.3
10/28/99							24	10.0	9.7	9.5	0.1	0.5	24	12.3	11.9	11.6	0.2	0.7
10/29/99							24	10.3	9.8	9.5	0.3	0.8	24	11.9	11.8	11.8	0.1	0.1
10/30/99							24	10.3	9.8	9.3	0.3	1.0	24	11.8	11.8	11.8	0.0	0.0
10/31/99							24	10.0	9.7	9.0	0.3	1.0	24	11.8	11.6	11.5	0.1	0.3
11/1/99							24	8.9	8.6	8.4	0.1	0.5	24	11.6	11.5	11.5	0.0	0.1
11/2/99							24	9.6	9.0	8.4	0.4	1.2	24	11.5	11.4	11.3	0.0	0.2
11/3/99							24	9.3	9.1	8.7	0.2	0.6	24	11.3	11.1	11.0	0.1	0.3
11/4/99							24	9.2	8.6	8.1	0.3	1.1	24	11.0	11.0	10.9	0.1	0.1
11/5/99							24	9.2	8.7	8.1	0.3	1.1	24	10.9	10.8	10.7	0.1	0.2
11/6/99							24	9.0	8.5	8.0	0.4	1.0	24	11.0	10.9	10.7	0.1	0.3
11/7/99							24	9.3	9.0	8.7	0.2	0.6	24	11.0	10.9	10.9	0.1	0.1
11/8/99							24	9.3	9.1	8.9	0.1	0.4	24	10.9	10.8	10.7	0.1	0.2
11/9/99							24	9.0	9.0	8.9	0.1	0.1	24	10.7	10.6	10.6	0.1	0.1
11/10/99							24	9.0	8.7	8.6	0.2	0.4	24	10.6	10.4	10.4	0.1	0.2
11/11/99							24	9.0	8.7	8.4	0.2	0.6	24	10.6	10.5	10.4	0.1	0.2
11/12/99							24	9.3	9.2	9.0	0.1	0.3	24	10.7	10.5	10.4	0.1	0.3
11/13/99							24	9.3	9.1	9.0	0.1	0.3	24	10.4	10.4	10.3	0.1	0.1
11/14/99							24	9.0	8.9	8.7	0.1	0.3	24	10.4	10.4	10.3	0.1	0.1
11/15/99							24	9.2	8.9	8.9	0.1	0.3	24	10.6	10.4	10.3	0.1	0.3
11/16/99							24	9.2	8.9	8.7	0.1	0.5	24	10.6	10.5	10.3	0.1	0.3
11/17/99							24	8.9	8.7	8.4	0.1	0.5	24	10.3	10.2	10.1	0.1	0.2
11/18/99							24	8.4	8.1	7.6	0.2	0.8	24	10.3	10.2	10.1	0.0	0.2
11/19/99							24	8.6	8.3	8.1	0.2	0.5	24	10.3	10.1	10.1	0.1	0.2
11/20/99							24	8.6	8.2	7.8	0.2	0.8	24	10.3	9.9	9.8	0.1	0.5
11/21/99							24	7.6	7.5	7.3	0.1	0.3	24	9.8	9.7	9.6	0.1	0.2
11/22/99	Inaccessible - high flow						15	7.3	7.1	6.7	0.2	0.6	24	9.6	9.6	9.5	0.0	0.1
11/23/99													23	9.6	9.6	9.5	0.1	0.1
11/24/99													24	9.5	9.4	9.3	0.1	0.2
11/25/99													24	9.3	9.0	8.7	0.2	0.6
11/26/99													24	8.9	8.7	8.6	0.1	0.3
11/27/99													24	9.0	9.0	8.9	0.1	0.1
11/28/99													24	9.0	9.0	9.0	0.0	0.0
11/29/99													24	9.0	8.9	8.9	0.1	0.1
11/30/99													24	8.9	8.7	8.6	0.1	0.3
12/1/99													24	8.6	8.6	8.6	0.0	0.0
12/2/99													24	8.6	8.3	8.1	0.2	0.5
12/3/99													24	8.2	8.1	8.1	0.1	0.1

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	OLECM						SW2BL						YALTR					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
12/4/99													24	8.2	8.2	8.2	0.0	0.0
12/5/99													24	8.2	8.1	7.9	0.1	0.3
12/6/99													24	7.9	7.8	7.8	0.1	0.1
12/7/99													24	7.8	7.7	7.6	0.1	0.2
12/8/99													24	7.8	7.7	7.6	0.1	0.2
12/9/99													24	7.6	7.6	7.6	0.0	0.0
12/10/99													24	7.6	7.5	7.3	0.1	0.3
12/11/99													24	7.3	7.3	7.3	0.0	0.0
12/12/99													24	7.3	7.1	7.0	0.1	0.3
12/13/99													24	7.0	7.0	7.0	0.0	0.0
12/14/99													24	7.0	7.0	7.0	0.0	0.0
12/15/99													24	7.0	7.0	6.9	0.0	0.1
12/16/99													24	7.0	7.0	6.9	0.1	0.1
12/17/99													24	7.0	7.0	6.9	0.1	0.1
12/18/99													24	6.9	6.7	6.7	0.1	0.2
12/19/99	Inaccessible - high flow						Inaccessible - high flow						24	6.9	6.8	6.7	0.1	0.2
12/20/99													22	6.9	6.7	6.7	0.0	0.2
12/21/99													24	6.9	6.7	6.7	0.0	0.2
12/22/99													24	6.9	6.7	6.7	0.1	0.2
12/23/99													24	6.7	6.7	6.5	0.0	0.2
12/24/99													24	6.5	6.5	6.5	0.0	0.0
12/25/99													24	6.5	6.4	6.4	0.1	0.1
12/26/99													24	6.4	6.3	6.2	0.1	0.2
12/27/99													24	6.2	6.2	6.2	0.0	0.0
12/28/99													24	6.1	6.1	6.1	0.0	0.0
12/29/99													24	6.1	6.0	5.9	0.1	0.2
12/30/99													24	5.9	5.9	5.8	0.1	0.1
12/31/99													24	5.8	5.8	5.8	0.0	0.0
1/1/00													24	5.8	5.7	5.6	0.1	0.2
1/2/00													24	5.6	5.6	5.6	0.0	0.0
1/3/00													24	5.6	5.6	5.6	0.0	0.0
1/4/00													24	5.6	5.6	5.5	0.1	0.1
1/5/00													24	5.5	5.5	5.5	0.0	0.0
1/6/00													24	5.5	5.4	5.3	0.1	0.2
1/7/00													24	5.5	5.5	5.5	0.0	0.0
1/8/00													24	5.6	5.5	5.5	0.1	0.1
1/9/00													24	5.5	5.4	5.3	0.1	0.2
1/10/00													24	5.3	5.3	5.3	0.0	0.0
1/11/00													24	5.3	5.3	5.3	0.0	0.0

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	OLECM						SW2BL						YALTR					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
1/12/00													24	5.3	5.2	5.2	0.1	0.1
1/13/00													24	5.2	5.2	5.2	0.0	0.0
1/14/00													24	5.2	5.2	5.2	0.0	0.0
1/15/00													24	5.2	5.2	5.2	0.0	0.0
1/16/00													24	5.2	5.1	5.0	0.1	0.2
1/17/00													24	5.0	5.0	5.0	0.0	0.0
1/18/00													24	5.0	5.0	5.0	0.0	0.0
1/19/00													24	5.0	5.0	5.0	0.0	0.0
1/20/00													24	5.0	4.9	4.8	0.1	0.2
1/21/00													24	4.8	4.8	4.8	0.0	0.0
1/22/00													24	4.8	4.8	4.8	0.0	0.0
1/23/00													24	4.8	4.8	4.8	0.0	0.0
1/24/00	1/25: Inaccessible - high flow						1/25: Unit gone (appears to be stolen); replaced						24	4.8	4.8	4.8	0.0	0.0
1/25/00	12	4.8	4.7	4.2	0.2	0.6	12	5.2	5.1	5.1	0.1	0.1	23	4.8	4.8	4.7	0.1	0.1
1/26/00	24	5.0	4.7	4.7	0.1	0.3	24	5.5	5.1	4.9	0.2	0.6	24	4.7	4.7	4.7	0.0	0.0
1/27/00	24	4.7	4.5	4.2	0.1	0.5	24	5.1	4.9	4.6	0.2	0.5	24	4.7	4.7	4.7	0.0	0.0
1/28/00	24	4.4	4.1	3.9	0.2	0.5	24	4.8	4.5	4.1	0.2	0.7	24	4.7	4.7	4.7	0.0	0.0
1/29/00	24	4.0	3.8	3.6	0.1	0.4	24	4.3	4.0	3.8	0.2	0.5	24	4.7	4.6	4.5	0.1	0.2
1/30/00	24	4.0	3.8	3.6	0.2	0.4	24	4.3	3.9	3.5	0.3	0.8	24	4.5	4.5	4.5	0.0	0.0
1/31/00	24	4.4	4.0	3.4	0.2	1.0	24	4.9	4.5	4.0	0.4	0.9	24	4.5	4.5	4.5	0.0	0.0
2/1/00	24	4.8	4.4	3.9	0.4	0.9	24	4.8	4.5	4.1	0.2	0.7	24	4.5	4.5	4.5	0.0	0.0
2/2/00	24	5.3	5.0	4.8	0.2	0.5	24	5.4	5.0	4.8	0.2	0.6	24	4.7	4.6	4.5	0.1	0.2
2/3/00	24	5.6	5.3	5.1	0.2	0.5	24	5.7	5.3	4.9	0.2	0.8	24	4.7	4.6	4.5	0.1	0.2
2/4/00	24	5.3	5.1	4.7	0.2	0.6	24	5.5	5.2	4.8	0.2	0.7	24	4.5	4.5	4.5	0.0	0.0
2/5/00	24	5.4	5.1	4.7	0.2	0.7	24	5.5	5.2	4.8	0.3	0.7	24	4.7	4.6	4.5	0.1	0.2
2/6/00	24	5.6	5.3	5.0	0.2	0.6	24	6.0	5.5	5.2	0.3	0.8	24	4.8	4.8	4.7	0.1	0.1
2/7/00	24	5.6	5.4	5.1	0.2	0.5	24	6.0	5.6	5.4	0.2	0.6	24	4.8	4.7	4.7	0.1	0.1
2/8/00	24	5.4	5.3	5.1	0.1	0.3	24	5.5	5.4	5.1	0.1	0.4	24	4.8	4.7	4.7	0.1	0.1
2/9/00	24	5.4	5.2	4.8	0.2	0.6	24	5.5	5.2	4.8	0.2	0.7	24	4.7	4.7	4.7	0.0	0.0
2/10/00	24	5.3	4.9	4.5	0.3	0.8	24	5.4	5.0	4.4	0.4	1.0	24	4.7	4.7	4.7	0.0	0.0
2/11/00	24	5.4	5.1	4.8	0.2	0.6	24	5.7	5.3	4.9	0.3	0.8	24	4.7	4.7	4.7	0.0	0.0
2/12/00	24	5.3	5.1	4.8	0.1	0.5	24	5.7	5.4	5.1	0.2	0.6	24	4.8	4.8	4.8	0.0	0.0
2/13/00	24	5.1	4.8	4.5	0.2	0.6	24	5.5	5.1	4.8	0.3	0.7	24	4.8	4.7	4.7	0.0	0.1
2/14/00	24	5.0	4.7	4.5	0.2	0.5	24	5.4	5.1	4.9	0.2	0.5	24	4.7	4.7	4.7	0.0	0.0
2/15/00	24	5.3	5.0	4.8	0.2	0.5	24	5.7	5.3	5.1	0.2	0.6	24	4.8	4.7	4.7	0.1	0.1
2/16/00	24	5.0	4.6	4.2	0.2	0.8	24	5.4	4.9	4.4	0.3	1.0	24	4.7	4.7	4.7	0.0	0.0
2/17/00	24	4.7	4.4	4.0	0.2	0.7	24	5.2	4.8	4.3	0.3	0.9	24	4.7	4.7	4.7	0.0	0.0
2/18/00	24	4.7	4.2	3.9	0.2	0.8	24	5.2	4.7	4.1	0.4	1.1	24	4.7	4.7	4.7	0.0	0.0
2/19/00	24	4.8	4.3	3.9	0.3	0.9	24	5.2	4.7	4.1	0.4	1.1	24	4.7	4.7	4.7	0.0	0.0

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	OLECM						SW2BL						YALTR					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
2/20/00	24	5.1	4.6	4.0	0.4	1.1	24	5.5	5.0	4.3	0.5	1.2	24	4.7	4.7	4.7	0.0	0.0
2/21/00	24	5.3	5.1	4.8	0.2	0.5	24	5.7	5.4	5.2	0.1	0.5	24	4.8	4.7	4.7	0.1	0.1
2/22/00	23	5.4	5.2	5.0	0.1	0.4	12	5.7	5.4	5.4	0.1	0.3	22	4.8	4.7	4.7	0.1	0.1
2/23/00	24	5.4	5.1	5.0	0.2	0.4							24	4.8	4.8	4.7	0.1	0.1
2/24/00	24	5.3	4.9	4.5	0.2	0.8							24	4.8	4.7	4.7	0.1	0.1
2/25/00	24	4.7	4.3	4.0	0.2	0.7							24	4.8	4.8	4.7	0.1	0.1
2/26/00	24	5.0	4.6	4.4	0.2	0.6							24	4.8	4.7	4.7	0.0	0.1
2/27/00	24	5.8	5.3	4.8	0.3	1.0							24	4.8	4.7	4.7	0.1	0.1
2/28/00	24	5.6	5.5	5.3	0.1	0.3							24	4.8	4.8	4.7	0.0	0.1
2/29/00	24	5.4	5.3	5.1	0.1	0.3							24	4.8	4.7	4.7	0.1	0.1
3/1/00	24	5.8	5.3	4.8	0.4	1.0							24	4.7	4.7	4.7	0.0	0.0
3/2/00	24	5.9	5.6	5.4	0.2	0.5							24	4.8	4.8	4.7	0.1	0.1
3/3/00	24	5.9	5.6	5.3	0.2	0.6							24	5.0	4.9	4.7	0.1	0.3
3/4/00	24	5.8	5.5	5.1	0.2	0.7							24	5.2	4.9	4.8	0.1	0.4
3/5/00	24	5.4	5.0	4.7	0.3	0.7							24	4.8	4.8	4.7	0.1	0.1
3/6/00	24	5.3	4.7	4.2	0.3	1.1							24	4.7	4.7	4.7	0.0	0.0
3/7/00	24	5.6	4.9	4.0	0.6	1.6							24	4.8	4.8	4.7	0.1	0.1
3/8/00	24	5.9	5.5	5.1	0.3	0.8							24	5.0	4.8	4.8	0.0	0.2
3/9/00	24	5.9	5.3	4.8	0.4	1.1							24	5.0	5.0	5.0	0.0	0.0
3/10/00	24	6.2	5.6	5.0	0.4	1.2							24	5.2	5.0	4.8	0.1	0.4
3/11/00	24	6.2	5.7	5.4	0.2	0.8							24	5.2	5.0	5.0	0.1	0.2
3/12/00	24	6.1	5.5	5.1	0.3	1.0							24	5.2	5.1	5.0	0.1	0.2
3/13/00	24	6.4	5.7	5.1	0.4	1.3							24	5.3	5.2	5.2	0.1	0.1
3/14/00	24	6.1	5.6	4.8	0.3	1.3							24	5.5	5.2	5.0	0.2	0.5
3/15/00	24	5.8	5.2	4.4	0.5	1.4							24	5.5	5.1	4.8	0.2	0.7
3/16/00	24	5.9	5.5	5.1	0.3	0.8							24	5.5	5.3	5.2	0.2	0.3
3/17/00	24	5.3	5.1	5.0	0.2	0.3							24	5.2	5.0	5.0	0.1	0.2
3/18/00	24	5.4	5.3	5.1	0.1	0.3							24	5.3	5.1	5.0	0.1	0.3
3/19/00	24	5.1	4.8	4.5	0.2	0.6							24	5.3	5.2	5.2	0.1	0.1
3/20/00	24	5.6	5.0	4.7	0.3	0.9	3/21: Unit gone (appears to be stolen again); replaced						24	5.3	5.1	5.0	0.1	0.3
3/21/00	22	6.5	5.6	5.0	0.5	1.5	9	7.1	6.5	6.0	0.4	1.1	23	5.5	5.3	5.2	0.1	0.3
3/22/00	24	6.1	5.7	5.3	0.3	0.8	24	6.5	6.1	5.7	0.3	0.8	24	5.9	5.5	5.3	0.2	0.6
3/23/00	24	6.1	5.4	5.0	0.3	1.1	24	6.7	5.9	5.4	0.4	1.3	24	5.3	5.2	5.2	0.1	0.1
3/24/00	24	6.2	5.3	4.7	0.6	1.5	24	7.1	6.0	5.1	0.7	2.0	24	5.6	5.4	5.2	0.2	0.4
3/25/00	24	6.5	5.6	5.0	0.5	1.5	24	7.4	6.2	5.4	0.6	2.0	24	5.9	5.7	5.6	0.1	0.3
3/26/00	24	6.7	5.6	4.7	0.7	2.0	24	7.9	6.4	5.3	0.9	2.6	24	5.9	5.9	5.8	0.0	0.1
3/27/00	24	6.1	5.7	5.4	0.2	0.7	24	6.7	6.3	6.0	0.2	0.7	24	6.1	5.9	5.6	0.1	0.5
3/28/00	24	5.9	5.5	5.1	0.3	0.8	24	6.8	6.2	5.7	0.4	1.1	24	5.9	5.5	5.3	0.3	0.6
3/29/00	24	6.4	5.3	4.7	0.6	1.7	24	7.6	6.2	5.3	0.8	2.3	24	5.6	5.4	5.3	0.1	0.3

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	OLECM						SW2BL						YALTR					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
3/30/00	24	6.7	5.4	4.5	0.8	2.2	24	8.1	6.5	5.3	1.0	2.8	24	6.1	5.7	5.3	0.2	0.8
3/31/00	24	7.2	5.9	4.8	0.8	2.4	24	8.7	7.0	5.7	1.0	3.0	24	6.2	5.9	5.6	0.2	0.6
4/1/00	24	7.9	6.7	5.8	0.8	2.1	24	9.4	7.8	6.5	1.0	2.9	24	6.1	6.0	5.9	0.1	0.2
4/2/00	24	8.2	7.0	6.4	0.6	1.8	24	9.4	8.0	7.0	0.9	2.4	24	6.1	6.0	5.8	0.1	0.3
4/3/00	24	8.4	7.1	6.2	0.7	2.2	24	9.6	8.0	6.8	0.9	2.8	24	7.3	6.7	5.9	0.5	1.4
4/4/00	24	7.0	6.6	5.8	0.3	1.2	24	7.7	7.3	6.3	0.4	1.4	24	7.0	6.4	5.9	0.4	1.1
4/5/00	24	6.4	5.8	5.3	0.4	1.1	24	7.4	6.6	5.7	0.6	1.7	24	6.7	6.3	5.9	0.2	0.8
4/6/00	24	6.5	5.9	5.6	0.3	0.9	24	7.4	6.7	6.3	0.4	1.1	24	6.7	6.5	6.2	0.2	0.5
4/7/00	24	7.5	6.1	5.1	0.8	2.4	24	9.0	7.2	5.7	1.2	3.3	24	7.8	7.2	6.4	0.5	1.4
4/8/00	24	8.1	6.8	5.6	0.9	2.5	24	9.7	7.9	6.3	1.2	3.4	24	7.6	7.6	7.5	0.1	0.1
4/9/00	24	7.3	6.9	6.7	0.2	0.6	24	8.2	7.8	7.4	0.2	0.8	24	7.6	7.0	6.7	0.3	0.9
4/10/00	24	8.9	7.4	6.5	0.8	2.4	24	10.2	8.4	7.1	1.1	3.1	24	7.0	6.8	6.5	0.1	0.5
4/11/00	24	9.0	7.6	6.4	0.9	2.6	24	10.4	8.7	7.1	1.1	3.3	24	7.5	7.2	6.7	0.3	0.8
4/12/00	24	9.2	8.0	7.2	0.7	2.0	24	10.4	8.9	7.9	0.8	2.5	24	7.8	7.5	7.2	0.3	0.6
4/13/00	24	8.1	7.8	7.5	0.2	0.6	24	8.8	8.4	7.9	0.3	0.9	24	7.6	7.3	6.9	0.3	0.7
4/14/00	24	7.5	7.3	7.0	0.1	0.5	24	7.9	7.7	7.4	0.2	0.5	24	7.2	6.9	6.7	0.2	0.5
4/15/00	24	7.3	7.0	6.7	0.2	0.6	24	7.9	7.4	7.0	0.3	0.9	24	7.6	7.2	6.7	0.3	0.9
4/16/00	24	7.8	7.1	6.5	0.4	1.3	24	8.4	7.5	6.8	0.6	1.6	24	7.9	7.7	7.5	0.2	0.4
4/17/00	24	8.2	7.3	6.5	0.6	1.7	24	9.1	7.9	7.0	0.8	2.1	24	8.6	8.1	7.8	0.3	0.8
4/18/00	23	9.0	7.7	7.0	0.6	2.0	23	10.1	8.3	7.3	0.8	2.8	17	8.1	8.0	7.8	0.1	0.3
4/19/00	24	8.7	7.5	6.5	0.7	2.2	24	9.7	8.3	7.0	0.9	2.7						
4/20/00	24	9.3	7.9	7.0	0.7	2.3	24	10.5	8.8	7.6	1.0	2.9						
4/21/00	24	9.0	7.9	6.9	0.7	2.1	24	10.1	8.7	7.4	0.9	2.7						
4/22/00	24	8.7	7.7	7.2	0.4	1.5	24	9.6	8.4	7.7	0.5	1.9						
4/23/00	24	7.3	6.9	6.1	0.4	1.2	24	8.2	7.5	6.7	0.4	1.5						
4/24/00	24	7.6	6.6	5.6	0.7	2.0	24	8.8	7.6	6.3	0.9	2.5						
4/25/00	24	7.2	6.7	6.4	0.3	0.8	24	8.5	7.6	7.1	0.4	1.4						
4/26/00	24	8.4	7.2	6.2	0.8	2.2	24	9.6	8.2	6.7	1.0	2.9						
4/27/00	24	8.4	7.5	7.0	0.4	1.4	24	9.3	8.1	7.4	0.6	1.9						
4/28/00	24	7.2	6.7	6.4	0.2	0.8	24	7.7	7.2	6.8	0.2	0.9						
4/29/00	24	7.8	6.9	6.1	0.6	1.7	24	8.8	7.6	6.5	0.8	2.3						
4/30/00	24	9.0	7.7	6.7	0.8	2.3	24	10.2	8.5	7.3	1.0	2.9						
5/1/00	24	8.9	8.0	7.3	0.5	1.6	24	9.0	8.2	7.9	0.3	1.1						
5/2/00	24	9.0	8.3	7.8	0.4	1.2	24	9.9	8.8	7.9	0.7	2.0						
5/3/00	24	8.4	8.0	7.5	0.3	0.9	24	9.1	8.5	7.9	0.4	1.2						
5/4/00	24	7.8	7.3	7.0	0.2	0.8	24	8.5	7.8	7.4	0.3	1.1						
5/5/00	24	7.6	7.1	6.5	0.3	1.1	24	8.5	7.7	7.1	0.4	1.4						
5/6/00	24	8.1	7.0	6.4	0.6	1.7	24	9.3	7.9	6.8	0.9	2.5						
5/7/00	24	8.6	7.2	6.1	0.9	2.5	24	9.9	8.3	6.7	1.1	3.2						

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	OLECM						SW2BL						YALTR					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
5/8/00	24	7.9	7.6	7.3	0.2	0.6	24	8.7	8.3	7.9	0.2	0.8						
5/9/00	24	7.6	7.3	6.7	0.3	0.9	24	8.1	7.7	7.0	0.4	1.1						
5/10/00	24	6.7	6.2	5.9	0.2	0.8	24	6.8	6.4	6.0	0.2	0.8						
5/11/00	24	6.7	6.3	5.9	0.3	0.8	24	7.1	6.6	6.2	0.3	0.9						
5/12/00	24	7.3	6.6	5.8	0.6	1.5	24	7.9	6.9	6.0	0.6	1.9						
5/13/00	24	7.9	7.3	6.5	0.5	1.4	24	8.4	7.7	7.0	0.5	1.4						
5/14/00	24	8.7	7.9	7.0	0.6	1.7	24	9.4	8.4	7.3	0.7	2.1						
5/15/00	24	8.9	8.2	7.8	0.4	1.1	24	10.1	9.0	8.1	0.8	2.0						
5/16/00	24	9.2	8.4	7.6	0.6	1.6	24	10.7	9.5	8.4	0.8	2.3						
5/17/00	24	8.4	8.1	7.8	0.2	0.6	24	9.3	8.8	8.2	0.3	1.1						
5/18/00	24	9.8	8.7	7.8	0.7	2.0	24	10.7	9.4	8.1	0.9	2.6						
5/19/00	24	9.6	8.9	8.6	0.4	1.0	24	11.0	9.9	9.0	0.6	2.0						
5/20/00	24	10.7	9.3	8.4	0.8	2.3	24	12.1	10.1	8.7	1.1	3.4						
5/21/00	24	11.0	9.8	8.9	0.7	2.1	24	12.4	10.7	9.3	1.0	3.1						
5/22/00	24	11.3	10.0	9.2	0.7	2.1	24	12.7	11.0	9.7	1.0	3.0						
5/23/00	24	11.3	9.9	9.0	0.8	2.3	24	13.0	11.0	9.4	1.2	3.6						
5/24/00	24	11.2	9.7	8.7	0.8	2.5	24	13.0	10.9	9.1	1.3	3.9						
5/25/00	24	10.1	9.2	8.4	0.5	1.7	24	11.8	10.3	9.1	0.8	2.7						
5/26/00	24	9.9	9.2	8.9	0.4	1.0	24	11.1	10.1	9.4	0.6	1.7						
5/27/00	24	10.6	9.6	9.0	0.5	1.6	24	11.8	10.4	9.4	0.8	2.4						
5/28/00	24	9.9	9.3	8.9	0.3	1.0	24	11.0	9.9	9.3	0.5	1.7						
5/29/00	24	10.3	9.2	8.6	0.5	1.7	24	11.6	10.1	9.0	0.9	2.6						
5/30/00	24	9.2	8.8	8.6	0.2	0.6	24	10.2	9.5	9.0	0.4	1.2						
5/31/00	12	8.7	8.5	8.4	0.1	0.3	11	9.1	8.9	8.8	0.1	0.3						

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	CANCM						SPLYU						SPLYL					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
10/1/98																		
10/2/98																		
10/3/98																		
10/4/98																		
10/5/98																		
10/6/98																		
10/7/98																		
10/8/98																		
10/9/98																		
10/10/98																		
10/11/98																		
10/12/98																		
10/13/98																		
10/14/98																		
10/15/98																		
10/16/98																		
10/17/98																		
10/18/98																		
10/19/98																		
10/20/98							8	9.3	9.0	8.8	0.2	0.5	8	10.5	10.3	10.2	0.1	0.3
10/21/98							24	9.9	9.2	8.8	0.5	1.1	24	10.7	10.2	9.9	0.3	0.8
10/22/98							24	10.0	9.4	8.9	0.4	1.1	24	10.4	10.0	9.8	0.2	0.6
10/23/98							24	9.6	9.0	8.5	0.4	1.1	24	9.8	9.4	8.7	0.4	1.1
10/24/98							24	9.7	9.5	9.3	0.2	0.4	24	10.4	10.1	9.8	0.2	0.6
10/25/98							24	10.5	9.9	9.6	0.3	0.9	24	10.9	10.5	10.2	0.3	0.7
10/26/98							24	10.3	9.9	9.4	0.3	0.9	24	10.5	10.2	10.1	0.1	0.4
10/27/98							24	10.3	10.0	9.7	0.2	0.6	24	10.5	10.3	10.1	0.2	0.4
10/28/98							24	9.9	9.4	8.5	0.4	1.4	24	10.2	9.9	9.3	0.2	0.9
10/29/98							24	8.5	8.0	7.4	0.3	1.1	24	9.3	8.8	8.4	0.2	0.9
10/30/98							24	8.3	7.7	7.1	0.5	1.2	24	9.6	8.7	7.8	0.7	1.8
10/31/98							24	8.5	8.1	7.7	0.3	0.8	24	9.8	9.5	9.1	0.3	0.7
11/1/98							24	8.9	8.6	8.3	0.3	0.6	24	10.2	10.0	9.8	0.2	0.4
11/2/98							24	8.9	8.6	8.3	0.2	0.6	24	10.4	10.0	9.6	0.2	0.8
11/3/98							24	8.5	8.2	8.0	0.1	0.5	24	9.9	9.5	9.1	0.3	0.8
11/4/98							24	8.5	8.3	8.2	0.1	0.3	24	10.1	9.8	9.6	0.2	0.5
11/5/98							24	8.3	8.0	7.7	0.2	0.6	24	9.9	9.7	9.4	0.2	0.5
11/6/98							24	7.7	7.6	7.4	0.1	0.3	24	9.8	9.5	9.3	0.2	0.5
11/7/98							24	7.6	7.3	7.1	0.2	0.5	24	9.4	9.2	8.8	0.2	0.6
11/8/98							24	7.4	7.2	7.1	0.1	0.3	24	9.4	9.3	9.1	0.1	0.3

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	CANCM						SPLYU						SPLYL					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
11/9/98							24	7.1	7.1	7.1	0.0	0.0	24	9.3	9.2	9.1	0.1	0.2
11/10/98							24	7.2	7.1	7.1	0.1	0.1	24	9.4	9.2	9.0	0.2	0.4
11/11/98							24	7.9	7.4	6.9	0.3	1.0	24	9.9	9.4	9.0	0.3	0.9
11/12/98							24	7.7	7.5	7.2	0.1	0.5	24	9.6	9.4	9.1	0.2	0.5
11/13/98							24	7.9	7.8	7.6	0.1	0.3	24	9.8	9.6	9.4	0.1	0.4
11/14/98							24	8.3	8.1	7.9	0.2	0.4	24	10.2	9.9	9.6	0.3	0.6
11/15/98							24	8.8	8.5	8.2	0.2	0.6	24	10.5	10.2	9.9	0.2	0.6
11/16/98							24	8.0	7.9	7.6	0.1	0.4	24	10.1	9.8	9.4	0.2	0.7
11/17/98							24	8.0	7.8	7.6	0.1	0.4	24	9.9	9.6	9.3	0.2	0.6
11/18/98							24	8.2	7.8	7.6	0.2	0.6	24	10.1	9.7	9.3	0.2	0.8
11/19/98							24	7.7	7.6	7.6	0.1	0.1	24	9.4	9.4	9.3	0.1	0.1
11/20/98							24	8.5	8.1	7.7	0.3	0.8	24	10.2	9.8	9.4	0.3	0.8
11/21/98							24	8.5	8.0	7.6	0.3	0.9	24	10.2	9.8	9.4	0.2	0.8
11/22/98							24	7.6	7.2	6.9	0.2	0.7	24	9.4	9.2	9.1	0.1	0.3
11/23/98							24	7.6	7.3	7.1	0.2	0.5	24	9.4	9.3	9.1	0.2	0.3
11/24/98							24	7.6	7.2	6.9	0.2	0.7	24	9.4	9.3	9.3	0.1	0.1
11/25/98							24	8.0	7.7	7.2	0.3	0.8	24	9.9	9.7	9.3	0.2	0.6
11/26/98							24	7.9	7.8	7.6	0.1	0.3	24	10.2	9.9	9.6	0.2	0.6
11/27/98							24	7.6	7.4	7.2	0.1	0.4	24	9.9	9.6	9.4	0.1	0.5
11/28/98							24	7.2	7.1	6.8	0.1	0.4	24	9.6	9.3	9.1	0.2	0.5
11/29/98							24	6.8	6.5	6.3	0.2	0.5	24	9.1	9.0	8.8	0.1	0.3
11/30/98							24	6.8	6.7	6.5	0.1	0.3	24	9.1	9.0	8.8	0.1	0.3
12/1/98							24	6.9	6.8	6.6	0.1	0.3	24	9.3	9.1	9.0	0.1	0.3
12/2/98							24	7.1	6.9	6.5	0.2	0.6	24	9.4	9.4	9.0	0.2	0.4
12/3/98							24	6.5	6.3	6.2	0.1	0.3	24	9.0	8.9	8.8	0.1	0.2
12/4/98							24	6.5	6.3	6.2	0.1	0.3	24	9.0	8.8	8.7	0.1	0.3
12/5/98							24	6.2	5.6	4.8	0.6	1.4	24	8.7	8.2	7.4	0.5	1.3
12/6/98							24	5.1	4.9	4.8	0.1	0.3	24	7.9	7.7	7.3	0.2	0.6
12/7/98							24	5.2	5.0	4.9	0.1	0.3	24	8.2	8.1	7.9	0.1	0.3
12/8/98							24	5.7	5.4	5.1	0.2	0.6	24	8.5	8.4	8.2	0.1	0.3
12/9/98							24	6.2	5.9	5.7	0.2	0.5	24	8.8	8.4	8.1	0.3	0.7
12/10/98							24	6.0	6.0	5.8	0.1	0.2	24	8.7	8.6	8.5	0.1	0.2
12/11/98							24	6.0	5.9	5.7	0.1	0.3	24	9.1	8.8	8.7	0.2	0.4
12/12/98							24	6.9	6.4	6.0	0.3	0.9	24	9.4	9.2	9.0	0.2	0.4
12/13/98							24	6.9	6.8	6.5	0.1	0.4	24	9.4	9.3	8.8	0.2	0.6
12/14/98							24	6.3	6.0	5.8	0.2	0.5	24	9.0	8.5	8.2	0.2	0.8
12/15/98							24	6.5	6.1	5.8	0.2	0.7	24	9.0	8.7	8.4	0.3	0.6
12/16/98							24	6.5	6.2	6.0	0.2	0.5	24	8.7	8.3	8.1	0.2	0.6
12/17/98							24	6.6	6.3	5.8	0.2	0.8	24	9.0	8.8	8.4	0.2	0.6

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	CANCM						SPLYU						SPLYL					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
12/18/98							24	5.7	4.9	4.3	0.4	1.4	24	8.4	7.8	7.4	0.2	1.0
12/19/98							24	4.1	3.3	2.4	0.5	1.7	24	7.4	7.0	6.7	0.2	0.7
12/20/98							24	2.2	1.3	0.8	0.4	1.4	24	6.5	6.0	5.7	0.2	0.8
12/21/98							24	1.1	0.8	0.5	0.2	0.6	24	6.5	6.0	5.6	0.4	0.9
12/22/98							24	1.1	0.7	0.3	0.3	0.8	24	6.2	5.9	5.4	0.3	0.8
12/23/98							24	1.3	1.0	0.6	0.2	0.7	24	6.5	6.2	5.7	0.3	0.8
12/24/98							24	1.6	1.1	0.5	0.4	1.1	24	6.5	5.8	5.3	0.5	1.2
12/25/98							24	3.5	2.4	1.8	0.4	1.7	24	7.6	7.0	6.5	0.3	1.1
12/26/98							24	4.8	4.4	3.7	0.4	1.1	24	8.1	7.8	7.6	0.1	0.5
12/27/98							24	5.4	4.9	4.8	0.2	0.6	24	7.8	7.3	7.0	0.2	0.8
12/28/98							24	6.5	6.2	5.5	0.3	1.0	24	8.1	7.9	7.4	0.2	0.7
12/29/98							16	6.6	6.5	6.5	0.1	0.1	24	8.4	8.3	8.1	0.1	0.3
12/30/98													24	8.8	8.4	8.2	0.2	0.6
12/31/98													24	8.5	8.3	8.1	0.1	0.4
1/1/99													24	8.2	7.9	7.6	0.2	0.6
1/2/99													24	7.6	7.4	7.1	0.1	0.5
1/3/99													24	8.1	7.7	7.4	0.2	0.7
1/4/99													24	8.1	7.6	7.3	0.2	0.8
1/5/99													24	7.9	7.4	7.1	0.2	0.8
1/6/99													24	8.1	7.8	7.4	0.3	0.7
1/7/99													24	8.5	8.2	8.1	0.2	0.4
1/8/99													24	8.7	8.2	7.6	0.2	1.1
1/9/99													24	8.4	7.8	7.4	0.4	1.0
1/10/99													24	8.8	8.4	7.9	0.3	0.9
1/11/99													24	8.2	7.8	7.4	0.3	0.8
1/12/99													24	8.5	8.3	8.2	0.1	0.3
1/13/99													24	8.5	8.2	7.6	0.3	0.9
1/14/99													24	8.8	8.5	8.2	0.2	0.6
1/15/99													24	8.8	8.5	8.4	0.2	0.4
1/16/99													24	8.2	8.1	7.9	0.1	0.3
1/17/99													24	8.2	8.1	7.9	0.1	0.3
1/18/99													24	8.5	8.3	8.1	0.1	0.4
1/19/99													24	8.4	8.3	8.1	0.1	0.3
1/20/99													24	8.4	8.2	8.1	0.1	0.3
1/21/99													24	8.5	8.3	8.1	0.2	0.4
1/22/99													24	8.2	8.0	7.6	0.1	0.6
1/23/99													24	8.1	7.7	7.4	0.2	0.7
1/24/99													24	8.1	7.7	7.4	0.2	0.7
1/25/99													24	8.2	7.7	7.3	0.3	0.9

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	CANCM						SPLYU						SPLYL					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
1/26/99													24	8.1	7.7	7.4	0.2	0.7
1/27/99													24	8.1	7.9	7.6	0.1	0.5
1/28/99													24	8.2	8.0	7.8	0.2	0.4
1/29/99													24	8.5	8.4	8.2	0.1	0.3
1/30/99													24	8.4	8.1	7.9	0.1	0.5
1/31/99													24	8.2	8.0	7.8	0.1	0.4
2/1/99													24	8.1	7.9	7.8	0.1	0.3
2/2/99													24	7.9	7.5	6.8	0.4	1.1
2/3/99													24	8.2	7.8	7.6	0.2	0.6
2/4/99													24	8.1	7.8	7.6	0.1	0.5
2/5/99													24	7.8	7.7	7.6	0.1	0.2
2/6/99													24	8.1	7.8	7.6	0.1	0.5
2/7/99													24	7.9	7.7	7.4	0.1	0.5
2/8/99													24	7.4	7.2	6.5	0.3	0.9
2/9/99													24	7.8	7.2	6.8	0.3	1.0
2/10/99													24	7.3	6.8	6.4	0.3	0.9
2/11/99													24	8.1	7.5	7.1	0.4	1.0
2/12/99													24	8.5	7.9	7.4	0.4	1.1
2/13/99													24	8.4	8.0	7.8	0.2	0.6
2/14/99													24	8.1	7.5	7.1	0.3	1.0
2/15/99													24	8.7	7.9	7.1	0.6	1.6
2/16/99													24	8.4	8.1	7.9	0.1	0.5
2/17/99													24	8.2	8.0	7.9	0.1	0.3
2/18/99													24	8.1	7.8	7.6	0.1	0.5
2/19/99													24	8.5	8.1	7.8	0.3	0.7
2/20/99													24	8.4	7.8	7.3	0.4	1.1
2/21/99													24	8.2	8.0	7.9	0.1	0.3
2/22/99													24	8.4	8.0	7.6	0.2	0.8
2/23/99													24	8.4	8.2	8.1	0.1	0.3
2/24/99													24	8.7	8.4	8.2	0.1	0.5
2/25/99													24	8.2	8.1	7.8	0.1	0.4
2/26/99													24	8.7	8.1	7.6	0.4	1.1
2/27/99													24	8.4	8.0	7.8	0.3	0.6
2/28/99													24	9.0	8.4	8.1	0.3	0.9
3/1/99													24	8.4	8.0	7.8	0.2	0.6
3/2/99													24	8.4	7.8	7.3	0.3	1.1
3/3/99													24	8.1	7.7	7.4	0.2	0.7
3/4/99													24	7.8	7.4	6.8	0.3	1.0
3/5/99													24	8.7	7.8	7.3	0.5	1.4

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	CANCM						SPLYU						SPLYL					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
3/6/99													24	8.8	7.7	7.0	0.7	1.8
3/7/99													24	8.4	7.6	7.1	0.4	1.3
3/8/99													24	8.4	7.9	7.6	0.3	0.8
3/9/99													24	8.4	8.0	7.8	0.3	0.6
3/10/99													24	9.1	8.2	7.8	0.5	1.3
3/11/99													24	9.3	8.1	7.0	0.9	2.3
3/12/99													24	8.5	8.3	8.1	0.2	0.4
3/13/99													24	9.0	8.6	8.2	0.3	0.8
3/14/99													24	9.0	8.6	8.1	0.2	0.9
3/15/99													24	9.0	8.3	7.9	0.4	1.1
3/16/99													24	9.3	8.3	7.6	0.6	1.7
3/17/99													24	8.7	8.3	8.1	0.3	0.6
3/18/99													24	9.9	8.8	8.1	0.7	1.8
3/19/99													24	10.9	9.1	7.9	1.1	3.0
3/20/99													24	10.9	9.4	8.2	0.9	2.7
3/21/99													24	9.9	9.3	9.0	0.3	0.9
3/22/99													24	10.2	9.2	8.5	0.6	1.7
3/23/99													24	10.5	9.4	8.4	0.8	2.1
3/24/99													24	9.4	9.1	8.8	0.2	0.6
3/25/99													24	9.6	9.0	8.5	0.4	1.1
3/26/99													24	8.7	8.4	8.1	0.2	0.6
3/27/99													24	9.0	8.2	7.6	0.5	1.4
3/28/99													24	8.7	8.1	7.6	0.4	1.1
3/29/99													24	8.5	8.1	7.9	0.2	0.6
3/30/99													24	9.4	8.5	7.9	0.6	1.5
3/31/99													24	9.8	8.6	7.9	0.7	1.9
4/1/99													24	10.5	8.7	7.6	1.1	2.9
4/2/99													24	10.1	8.5	7.1	1.0	3.0
4/3/99													24	9.3	8.4	7.8	0.5	1.5
4/4/99													24	8.7	8.3	8.1	0.2	0.6
4/5/99													24	10.2	8.8	7.8	1.0	2.4
4/6/99													24	10.7	8.8	7.3	1.2	3.4
4/7/99													24	9.3	8.7	8.1	0.4	1.2
4/8/99													24	9.6	8.7	8.1	0.5	1.5
4/9/99													24	9.6	8.4	7.4	0.8	2.2
4/10/99													24	9.6	8.6	8.1	0.5	1.5
4/11/99													24	11.8	9.4	7.8	1.5	4.0
4/12/99													24	9.8	9.1	8.4	0.5	1.4
4/13/99													24	11.2	9.2	7.8	1.1	3.4

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	CANCM						SPLYU						SPLYL					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
4/14/99													24	11.8	9.3	7.3	1.6	4.5
4/15/99													24	12.2	10.0	8.4	1.4	3.8
4/16/99													24	12.4	10.4	8.8	1.3	3.6
4/17/99													24	12.4	10.5	9.1	1.2	3.3
4/18/99													24	10.9	10.1	9.3	0.5	1.6
4/19/99													24	9.8	9.4	9.1	0.2	0.7
4/20/99													24	10.9	9.6	8.8	0.7	2.1
4/21/99													24	9.9	8.9	7.9	0.7	2.0
4/22/99													24	12.1	9.8	8.2	1.4	3.9
4/23/99													24	12.9	10.3	8.2	1.7	4.7
4/24/99													24	13.0	10.6	8.7	1.6	4.3
4/25/99													24	10.5	9.9	9.3	0.4	1.2
4/26/99													24	10.2	9.2	8.2	0.6	2.0
4/27/99													24	9.9	9.0	8.5	0.5	1.4
4/28/99													24	11.0	9.3	8.1	1.1	2.9
4/29/99													24	12.1	9.7	7.8	1.6	4.3
4/30/99													24	12.1	10.0	8.2	1.3	3.9
5/1/99													24	10.1	9.7	9.3	0.2	0.8
5/2/99													24	9.3	8.8	8.5	0.2	0.8
5/3/99													24	10.2	9.3	8.7	0.6	1.5
5/4/99													24	9.9	9.1	8.5	0.5	1.4
5/5/99													24	11.8	9.8	8.1	1.4	3.7
5/6/99													24	10.7	9.9	9.1	0.5	1.6
5/7/99													24	9.1	8.8	8.5	0.2	0.6
5/8/99													24	10.1	9.0	8.2	0.7	1.9
5/9/99													24	10.2	9.0	7.9	0.8	2.3
5/10/99													24	11.3	9.4	7.6	1.4	3.7
5/11/99													24	9.9	9.3	8.4	0.5	1.5
5/12/99													24	10.7	9.6	8.8	0.6	1.9
5/13/99													24	10.4	9.4	8.5	0.7	1.9
5/14/99													24	10.7	9.6	8.8	0.7	1.9
5/15/99													24	9.6	9.3	9.0	0.2	0.6
5/16/99													24	11.2	9.8	8.7	0.9	2.5
5/17/99													24	10.4	9.8	9.4	0.3	1.0
5/18/99								Inaccessible - high flow					24	10.5	9.9	9.3	0.4	1.2
5/19/99													24	11.5	9.9	8.4	1.1	3.1
5/20/99													24	11.0	9.9	8.8	0.8	2.2
5/21/99													24	11.9	10.4	9.1	1.0	2.8
5/22/99													24	12.9	10.8	8.8	1.5	4.1

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	CANCM						SPLYU						SPLYL					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
5/23/99													24	13.8	11.5	9.6	1.5	4.2
5/24/99													24	13.8	11.7	10.1	1.3	3.7
5/25/99													24	13.0	11.4	10.2	0.9	2.8
5/26/99													24	12.9	10.9	9.0	1.4	3.9
5/27/99													24	13.3	11.2	9.4	1.4	3.9
5/28/99													24	11.5	10.6	9.6	0.7	1.9
5/29/99													24	12.9	10.8	8.8	1.4	4.1
5/30/99													24	13.0	11.0	9.1	1.4	3.9
5/31/99													24	10.5	10.2	9.9	0.2	0.6
6/1/99													24	11.0	10.2	9.4	0.5	1.6
6/2/99													24	11.0	9.9	8.5	1.0	2.5
6/3/99													24	12.4	10.5	8.8	1.2	3.6
6/4/99													24	10.4	10.1	9.9	0.2	0.5
6/5/99													24	11.2	10.4	9.6	0.5	1.6
6/6/99													24	10.7	9.9	9.3	0.5	1.4
6/7/99													24	10.2	9.7	9.3	0.3	0.9
6/8/99													24	10.9	10.0	9.4	0.5	1.5
6/9/99													24	11.0	10.3	9.6	0.5	1.4
6/10/99													24	12.6	10.6	8.8	1.3	3.8
6/11/99													24	12.7	11.1	9.9	1.0	2.8
6/12/99													24	13.5	11.8	10.5	1.1	3.0
6/13/99													24	13.8	12.0	10.7	1.1	3.1
6/14/99													24	14.3	12.3	10.9	1.2	3.4
6/15/99													24	11.6	11.3	11.0	0.2	0.6
6/16/99													24	13.3	11.8	10.7	0.9	2.6
6/17/99													24	13.3	11.7	10.4	1.0	2.9
6/18/99													24	11.5	11.2	10.9	0.2	0.6
6/19/99													24	12.6	11.3	10.4	0.7	2.2
6/20/99													24	11.3	10.7	10.1	0.4	1.2
6/21/99													24	11.3	10.9	10.5	0.3	0.8
6/22/99	6/23: Initial deployment						6/23: Unit broken; replaced						24	11.6	11.0	10.5	0.4	1.1
6/23/99	13	13.5	12.3	10.2	1.1	3.3	6	11.6	11.1	10.7	0.4	0.9	22	12.6	11.4	10.5	0.7	2.1
6/24/99	24	11.9	11.2	10.5	0.3	1.4	24	10.7	10.4	9.9	0.2	0.8	24	11.3	11.1	10.5	0.2	0.8
6/25/99	24	10.4	9.6	9.1	0.4	1.3	24	10.2	9.7	9.3	0.3	0.9	24	11.3	10.8	10.2	0.4	1.1
6/26/99	24	10.1	9.1	8.5	0.5	1.6	24	9.7	9.1	8.6	0.3	1.1	24	11.2	10.6	10.1	0.4	1.1
6/27/99	24	11.4	9.7	8.5	1.0	2.9	24	10.4	9.3	8.5	0.6	1.9	24	11.5	10.8	10.1	0.5	1.4
6/28/99	24	10.5	9.6	8.5	0.7	2.0	24	10.2	9.3	8.5	0.6	1.7	24	11.2	10.5	9.8	0.5	1.4
6/29/99	24	12.4	10.8	9.4	1.1	3.0	24	11.7	10.3	9.3	0.9	2.4	24	12.2	11.3	10.5	0.6	1.7
6/30/99	24	11.3	10.9	10.5	0.2	0.8	24	11.4	10.7	10.2	0.5	1.2	24	11.5	11.1	10.9	0.2	0.6

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	CANCM						SPLYU						SPLYL					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
7/1/99	24	11.8	10.8	10.1	0.5	1.7	24	11.3	10.6	10.0	0.5	1.3	24	11.6	11.1	10.5	0.4	1.1
7/2/99	24	10.8	10.1	9.4	0.5	1.4	24	10.7	9.8	9.3	0.4	1.4	24	11.3	10.7	10.2	0.4	1.1
7/3/99	24	10.4	9.7	9.0	0.5	1.4	24	10.0	9.4	8.8	0.4	1.2	24	10.9	10.4	9.9	0.3	1.0
7/4/99	24	10.8	9.9	9.1	0.7	1.7	24	10.7	9.6	8.9	0.6	1.8	24	11.5	10.7	10.2	0.4	1.3
7/5/99	24	14.4	11.2	8.7	2.2	5.7	24	13.5	10.8	8.6	1.8	4.9	24	13.2	11.3	9.6	1.3	3.6
7/6/99	24	15.8	12.8	10.4	1.9	5.4	24	14.5	12.0	10.2	1.6	4.3	24	13.5	11.8	10.4	1.1	3.1
7/7/99	24	13.8	12.1	11.3	0.6	2.5	24	11.7	11.1	10.5	0.3	1.2	24	11.5	10.9	10.5	0.2	1.0
7/8/99	24	15.0	12.0	9.7	2.0	5.3	24	13.9	11.4	9.4	1.6	4.5	24	13.0	11.4	9.9	1.1	3.1
7/9/99	24	16.4	13.4	10.8	2.0	5.6	24	15.2	12.7	10.8	1.6	4.4	24	13.8	12.0	10.5	1.1	3.3
7/10/99	24	17.1	14.5	12.2	1.7	4.9	24	16.0	13.5	11.7	1.5	4.3	24	13.8	12.2	10.9	1.0	2.9
7/11/99	24	17.6	14.8	12.4	1.7	5.2	24	16.3	13.8	11.9	1.5	4.4	24	13.8	12.1	10.7	1.1	3.1
7/12/99	24	17.7	15.1	12.8	1.7	4.9	24	16.6	14.1	12.2	1.5	4.4	24	13.8	12.2	10.9	1.0	2.9
7/13/99	24	17.6	15.1	13.0	1.5	4.6	24	16.6	14.1	12.4	1.5	4.2	24	13.6	12.1	10.9	1.0	2.7
7/14/99	24	15.3	13.2	12.5	0.7	2.8	24	13.0	12.3	11.4	0.3	1.6	24	11.5	11.1	10.5	0.2	1.0
7/15/99	24	15.6	13.0	11.0	1.8	4.6	24	14.7	12.5	10.7	1.5	4.0	24	12.7	11.3	10.1	1.0	2.6
7/16/99	24	14.4	12.9	12.4	0.5	2.0	24	13.1	12.2	11.7	0.4	1.4	24	11.5	11.1	10.9	0.2	0.6
7/17/99	24	12.5	12.0	11.6	0.3	0.9	24	11.7	11.5	11.3	0.2	0.4	24	11.0	10.8	10.5	0.2	0.5
7/18/99	24	16.6	13.3	11.1	2.1	5.5	24	15.5	12.7	10.7	1.7	4.8	24	13.3	11.7	10.5	1.0	2.8
7/19/99	24	17.9	15.1	13.0	1.7	4.9	24	16.8	14.0	11.9	1.8	4.9	24	13.8	12.2	10.9	1.0	2.9
7/20/99	24	17.9	15.8	13.8	1.4	4.1	24	17.2	14.5	12.7	1.6	4.5	24	13.8	12.2	11.0	0.9	2.8
7/21/99	24	17.7	15.8	14.4	1.1	3.3	23	16.9	14.6	13.3	1.3	3.6	22	13.3	12.0	11.2	0.8	2.1
7/22/99	24	18.4	15.9	13.9	1.5	4.5	24	17.6	14.8	12.8	1.6	4.8	24	13.6	12.1	11.0	0.9	2.6
7/23/99	24	18.2	16.1	14.2	1.4	4.0	24	17.2	14.8	12.8	1.5	4.4	24	13.5	12.1	10.9	0.9	2.6
7/24/99	24	17.6	15.0	14.2	0.9	3.4	24	14.4	13.7	13.0	0.4	1.4	24	11.9	11.5	11.2	0.2	0.7
7/25/99	24	17.1	14.6	13.0	1.4	4.1	24	16.6	14.1	12.5	1.5	4.1	24	13.2	11.8	10.9	0.9	2.3
7/26/99	24	18.0	15.4	13.3	1.6	4.7	24	17.4	14.6	12.4	1.8	5.0	24	13.6	12.0	10.5	1.1	3.1
7/27/99	24	18.8	16.4	14.5	1.4	4.3	24	18.0	15.3	13.3	1.7	4.7	24	13.8	12.2	11.0	1.0	2.8
7/28/99	24	19.0	17.1	15.3	1.2	3.7	24	18.5	15.8	13.8	1.6	4.7	24	13.9	12.4	11.2	1.0	2.7
7/29/99	24	18.7	16.8	15.3	1.0	3.4	24	18.0	15.6	14.1	1.4	3.9	24	13.5	12.2	11.3	0.8	2.2
7/30/99	23	18.4	16.7	15.2	1.0	3.2	24	17.7	15.5	13.9	1.4	3.8	24	13.5	12.1	11.2	0.8	2.3
7/31/99	24	18.5	16.8	15.3	1.1	3.2	24	18.0	15.6	13.8	1.5	4.2	24	13.6	12.2	11.2	0.9	2.4
8/1/99	24	18.2	16.5	15.2	0.9	3.0	24	17.4	15.3	13.9	1.2	3.5	24	13.2	12.0	11.2	0.7	2.0
8/2/99	24	18.7	16.7	15.2	1.1	3.5	24	18.4	15.7	13.8	1.6	4.6	24	13.6	12.3	11.2	0.9	2.4
8/3/99	24	19.0	17.2	15.8	1.0	3.2	24	18.4	16.1	14.2	1.5	4.2	24	13.8	12.4	11.3	0.8	2.5
8/4/99	24	19.5	17.6	16.3	1.0	3.2	24	18.7	16.4	14.5	1.5	4.2	24	13.8	12.4	11.3	0.8	2.5
8/5/99	24	19.5	17.4	16.8	0.9	2.7	24	16.0	15.5	15.0	0.3	1.0	24	12.4	12.1	11.8	0.2	0.6
8/6/99	24	16.6	15.9	15.6	0.3	1.0	24	15.3	14.9	14.5	0.2	0.8	24	11.8	11.6	11.5	0.1	0.3
8/7/99	24	15.5	15.0	14.7	0.2	0.8	24	15.0	14.5	14.1	0.3	0.9	24	11.8	11.6	11.5	0.1	0.3
8/8/99	24	17.6	15.5	14.4	1.1	3.2	24	17.6	15.3	13.8	1.3	3.8	24	13.2	12.0	11.3	0.7	1.9

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	CANCM						SPLYU						SPLYL					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
8/9/99	24	18.7	16.5	15.0	1.1	3.7	24	18.2	15.8	13.8	1.6	4.4	24	13.6	12.2	11.2	0.9	2.4
8/10/99	24	19.0	17.3	16.1	0.9	2.9	24	18.5	16.2	14.4	1.5	4.1	24	13.8	12.4	11.5	0.8	2.3
8/11/99	24	18.8	16.5	15.2	1.2	3.6	24	15.5	14.8	14.1	0.4	1.4	24	12.1	11.6	11.3	0.2	0.8
8/12/99	24	15.8	14.9	14.4	0.4	1.4	24	15.7	14.5	13.6	0.7	2.1	24	12.2	11.6	11.2	0.4	1.0
8/13/99	24	15.8	14.9	14.5	0.4	1.3	24	14.5	14.1	13.6	0.3	0.9	24	11.8	11.5	11.3	0.1	0.5
8/14/99	24	15.0	14.3	13.8	0.5	1.2	24	15.5	14.0	13.1	0.8	2.4	24	12.2	11.6	11.2	0.4	1.0
8/15/99	24	15.0	14.2	13.6	0.5	1.4	24	15.0	13.9	13.0	0.8	2.0	24	12.1	11.5	11.0	0.4	1.1
8/16/99	24	17.1	14.9	13.8	1.0	3.3	24	17.1	14.9	13.1	1.4	4.0	24	13.0	12.0	11.0	0.8	2.0
8/17/99	24	18.4	16.4	15.3	0.9	3.1	24	18.0	15.7	13.8	1.5	4.2	24	13.5	12.3	11.3	0.8	2.2
8/18/99	24	18.5	16.7	15.8	0.9	2.7	24	15.5	15.1	14.7	0.2	0.8	24	12.2	11.9	11.6	0.2	0.6
8/19/99	24	17.9	16.0	15.2	0.8	2.7	24	17.6	15.6	14.2	1.2	3.4	24	13.2	12.0	11.3	0.6	1.9
8/20/99	24	17.9	16.7	16.0	0.6	1.9	24	17.7	15.7	14.1	1.3	3.6	24	13.2	12.0	11.2	0.7	2.0
8/21/99	24	17.7	16.9	16.4	0.4	1.3	24	17.6	15.7	14.7	1.0	2.9	24	13.0	12.1	11.6	0.5	1.4
8/22/99	24	17.2	16.1	15.3	0.7	1.9	24	17.7	15.5	13.6	1.4	4.1	24	13.0	11.8	10.7	0.8	2.3
8/23/99	24	17.6	16.4	15.6	0.6	2.0	24	18.4	16.2	14.4	1.4	4.0	24	13.5	12.3	11.3	0.8	2.2
8/24/99	24	18.0	17.3	16.8	0.4	1.2	24	18.5	16.5	15.0	1.2	3.5	24	13.3	12.3	11.5	0.6	1.8
8/25/99	24	18.4	17.5	16.8	0.5	1.6	23	18.5	16.3	15.3	1.0	3.2	23	13.3	12.3	11.6	0.6	1.7
8/26/99	23	17.6	16.5	15.8	0.6	1.8	24	18.0	16.0	14.1	1.3	3.9	24	13.2	12.0	10.9	0.8	2.3
8/27/99	24	17.7	17.0	16.6	0.4	1.1	24	18.2	16.4	14.9	1.2	3.3	24	13.2	12.2	11.3	0.6	1.9
8/28/99	24	18.0	17.5	17.1	0.3	0.9	24	18.4	16.8	15.5	1.0	2.9	24	13.3	12.3	11.6	0.6	1.7
8/29/99	24	18.0	16.9	15.8	0.7	2.2	24	16.3	15.7	14.7	0.4	1.6	24	12.1	11.8	11.5	0.2	0.6
8/30/99	24	15.8	14.9	14.5	0.4	1.3	24	15.2	14.4	13.6	0.4	1.6	24	12.1	11.4	11.2	0.3	0.9
8/31/99	24	14.7	14.0	13.6	0.3	1.1	24	14.4	13.5	12.5	0.5	1.9	24	11.6	11.2	10.5	0.3	1.1
9/1/99	24	14.1	13.0	12.4	0.5	1.7	24	15.3	13.4	11.7	1.3	3.6	24	12.1	10.9	9.6	0.9	2.5
9/2/99	24	14.2	13.6	13.1	0.4	1.1	24	15.7	13.7	12.1	1.3	3.6	24	12.4	11.2	10.1	0.8	2.3
9/3/99	24	14.4	13.8	13.3	0.4	1.1	24	15.7	13.7	12.1	1.2	3.6	24	12.2	11.1	10.1	0.8	2.1
9/4/99	24	14.5	14.0	13.8	0.3	0.7	24	15.7	13.8	12.5	1.1	3.2	24	12.2	11.3	10.4	0.7	1.8
9/5/99	24	14.5	13.9	13.6	0.3	0.9	24	14.7	13.6	12.5	0.7	2.2	24	11.8	11.2	10.4	0.5	1.4
9/6/99	24	14.2	14.1	13.9	0.1	0.3	24	14.7	13.5	12.5	0.7	2.2	24	12.1	11.3	10.7	0.4	1.4
9/7/99	24	14.2	13.4	12.8	0.4	1.4	24	14.9	13.1	11.4	1.2	3.5	24	11.9	10.8	9.6	0.8	2.3
9/8/99	24	14.1	13.7	13.3	0.2	0.8	24	15.7	13.8	12.4	1.2	3.3	24	12.7	11.7	11.0	0.6	1.7
9/9/99	24	14.4	14.0	13.5	0.3	0.9	24	15.3	13.7	12.5	1.0	2.8	24	12.2	11.3	10.4	0.6	1.8
9/10/99	24	14.1	13.6	13.1	0.3	1.0	24	14.5	13.2	12.4	0.8	2.1	24	11.8	10.9	10.1	0.6	1.7
9/11/99	24	13.8	13.2	12.7	0.3	1.1	24	14.9	13.1	11.4	1.2	3.5	24	11.9	10.8	9.6	0.8	2.3
9/12/99	24	13.6	13.2	12.7	0.2	0.9	24	15.2	13.4	11.7	1.2	3.5	24	12.6	11.4	10.5	0.8	2.1
9/13/99	24	14.2	13.8	13.5	0.2	0.7	24	15.8	14.1	12.7	1.1	3.1	24	12.9	11.8	11.0	0.6	1.9
9/14/99	24	14.4	14.0	13.6	0.2	0.8	24	15.7	14.1	12.7	1.0	3.0	24	12.2	11.3	10.4	0.7	1.8
9/15/99	24	14.2	13.9	13.5	0.3	0.7	24	14.4	13.6	13.0	0.5	1.4	24	11.9	11.2	10.5	0.5	1.4
9/16/99	24	13.9	13.6	13.1	0.2	0.8	24	13.9	13.2	12.5	0.4	1.4	24	11.8	11.2	10.7	0.3	1.1

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	CANCM						SPLYU						SPLYL					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
9/17/99	24	13.3	13.0	12.8	0.2	0.5	24	14.7	13.2	11.9	1.0	2.8	24	11.9	11.0	10.1	0.7	1.8
9/18/99	24	14.1	13.7	13.3	0.2	0.8	24	15.3	13.8	12.4	1.1	2.9	24	12.2	11.2	10.4	0.7	1.8
9/19/99	24	14.4	14.0	13.6	0.2	0.8	24	15.8	14.2	12.8	1.0	3.0	24	12.4	11.4	10.5	0.7	1.9
9/20/99	24	14.5	14.2	13.8	0.2	0.7	24	15.8	14.4	13.1	0.9	2.7	24	12.4	11.5	10.7	0.6	1.7
9/21/99	24	14.5	14.1	13.6	0.3	0.9	24	16.0	14.5	13.3	0.9	2.7	23	12.2	11.4	10.7	0.6	1.5
9/22/99	24	14.5	14.1	13.8	0.2	0.7	23	16.0	14.5	13.3	0.9	2.7	24	12.2	11.4	10.5	0.6	1.7
9/23/99	24	14.4	13.9	13.0	0.4	1.4	24	14.2	13.7	12.5	0.5	1.7	24	11.3	11.0	10.4	0.3	0.9
9/24/99	24	13.0	12.4	12.1	0.2	0.9	24	14.1	12.9	11.7	0.8	2.4	24	11.3	10.5	9.6	0.7	1.7
9/25/99	24	12.8	12.6	12.2	0.2	0.6	24	13.1	12.4	11.3	0.6	1.8	24	11.6	11.0	10.1	0.4	1.5
9/26/99	24	12.2	11.5	11.0	0.4	1.2	24	12.2	11.4	10.5	0.6	1.7	24	10.9	10.1	9.4	0.5	1.5
9/27/99	24	11.0	10.4	9.7	0.4	1.3	24	11.9	10.6	9.6	0.8	2.3	24	10.5	9.5	8.4	0.7	2.1
9/28/99	24	10.2	9.9	9.4	0.2	0.8	24	12.1	10.8	9.6	0.9	2.5	24	11.2	10.2	9.4	0.6	1.8
9/29/99	24	10.5	10.1	9.7	0.2	0.8	24	12.4	11.1	9.9	0.9	2.5	24	11.2	10.2	9.1	0.7	2.1
9/30/99	24	11.1	10.6	10.2	0.3	0.9	24	12.4	11.1	10.2	0.7	2.2	24	10.9	10.1	9.4	0.5	1.5
10/1/99	24	10.7	10.3	9.7	0.3	1.0	24	12.1	10.8	9.6	0.8	2.5	24	10.7	9.7	8.5	0.8	2.2
10/2/99	24	10.4	9.9	9.3	0.3	1.1	24	12.1	10.9	9.9	0.7	2.2	24	10.9	9.9	9.0	0.6	1.9
10/3/99	24	9.9	9.5	9.1	0.2	0.8	24	12.2	11.0	10.0	0.8	2.2	24	11.2	10.2	9.6	0.6	1.6
10/4/99	24	10.1	9.6	9.3	0.2	0.8	24	12.1	10.9	9.7	0.8	2.4	24	10.9	9.9	8.8	0.7	2.1
10/5/99	24	11.0	10.5	9.6	0.4	1.4	24	11.7	11.4	11.0	0.3	0.7	24	10.9	10.5	10.1	0.3	0.8
10/6/99	24	11.4	11.2	11.0	0.1	0.4	24	12.1	11.5	11.1	0.4	1.0	24	11.0	10.7	10.4	0.2	0.6
10/7/99	24	11.6	11.5	11.4	0.1	0.2	24	11.6	11.4	11.3	0.1	0.3	24	10.7	10.6	10.5	0.1	0.2
10/8/99	24	11.6	11.5	11.3	0.1	0.3	24	11.4	11.2	10.8	0.2	0.6	24	11.0	10.7	10.4	0.2	0.6
10/9/99	24	11.1	10.8	10.5	0.2	0.6	24	11.7	10.8	10.0	0.6	1.7	24	10.9	10.2	9.6	0.4	1.3
10/10/99	24	11.0	10.1	9.9	0.3	1.1	24	11.6	10.6	9.7	0.7	1.9	24	10.9	10.0	9.1	0.7	1.8
10/11/99	24	10.5	10.4	10.2	0.1	0.3	24	11.7	10.9	10.2	0.5	1.5	24	10.9	10.4	9.8	0.4	1.1
10/12/99	24	11.1	10.9	10.7	0.2	0.4	24	12.1	11.2	10.7	0.5	1.4	24	11.0	10.6	10.2	0.3	0.8
10/13/99	24	11.1	10.9	10.7	0.1	0.4	24	11.7	11.0	10.2	0.4	1.5	24	10.9	10.3	9.8	0.4	1.1
10/14/99	24	10.7	10.0	9.6	0.3	1.1	24	11.0	10.1	9.1	0.5	1.9	24	10.2	9.4	8.8	0.5	1.4
10/15/99	24	9.6	8.7	7.9	0.5	1.7	24	10.0	9.0	8.3	0.6	1.7	24	9.4	8.5	7.8	0.5	1.6
10/16/99	24	8.1	7.6	7.1	0.3	1.0	24	9.6	8.6	7.7	0.6	1.9	24	9.6	8.7	7.6	0.8	2.0
10/17/99	24	7.4	7.2	7.0	0.1	0.4	24	9.9	9.0	8.2	0.6	1.7	24	9.9	9.2	8.5	0.4	1.4
10/18/99	24	8.1	7.6	7.1	0.2	1.0	24	10.4	9.4	8.6	0.6	1.8	24	10.2	9.4	8.5	0.6	1.7
10/19/99	24	9.0	8.5	7.7	0.3	1.3	24	10.7	9.8	8.9	0.6	1.8	24	10.5	10.1	9.8	0.3	0.7
10/20/99	24	8.8	8.5	8.1	0.3	0.7	22	10.8	9.9	9.3	0.5	1.5	24	10.2	9.8	9.3	0.3	0.9
10/21/99	21	8.5	8.1	7.9	0.2	0.6	24	10.5	9.7	8.9	0.6	1.6	22	9.9	9.2	8.4	0.5	1.5
10/22/99	24	8.5	8.1	7.9	0.2	0.6	24	11.0	10.1	9.3	0.6	1.7	24	10.1	9.4	8.7	0.5	1.4
10/23/99	24	8.4	8.2	8.1	0.1	0.3	24	10.7	10.0	9.3	0.4	1.4	24	10.1	9.4	8.7	0.6	1.4
10/24/99	24	9.3	8.9	8.4	0.3	0.9	24	10.5	10.0	9.6	0.3	0.9	24	10.1	9.8	9.4	0.2	0.7
10/25/99	24	9.4	9.1	9.0	0.2	0.4	24	10.0	9.8	9.6	0.2	0.4	24	10.2	9.8	9.3	0.4	0.9

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	CANCM						SPLYU						SPLYL					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
10/26/99	24	9.4	9.0	8.8	0.2	0.6	24	9.7	9.1	8.3	0.4	1.4	24	9.9	9.5	8.8	0.3	1.1
10/27/99	24	8.7	7.7	7.3	0.4	1.4	24	8.3	8.2	8.0	0.1	0.3	24	9.3	8.9	8.5	0.2	0.8
10/28/99	24	8.8	8.3	7.6	0.4	1.2	24	8.6	8.5	8.3	0.1	0.3	24	9.9	9.8	9.4	0.1	0.5
10/29/99	24	9.0	8.6	8.4	0.2	0.6	24	8.6	8.4	8.2	0.2	0.4	24	10.1	9.8	9.6	0.2	0.5
10/30/99	24	8.7	8.1	7.6	0.3	1.1	24	8.6	8.2	7.7	0.3	0.9	24	9.8	9.3	8.7	0.3	1.1
10/31/99	24	8.5	8.2	7.4	0.3	1.1	24	8.5	8.0	7.1	0.4	1.4	24	9.6	9.3	8.2	0.4	1.4
11/1/99	24	7.1	6.7	6.3	0.3	0.8	24	7.4	6.9	6.6	0.2	0.8	24	9.0	8.5	7.9	0.4	1.1
11/2/99	24	7.3	6.4	5.7	0.5	1.6	24	7.7	7.0	6.5	0.5	1.2	24	9.6	8.9	8.4	0.4	1.2
11/3/99	24	7.4	6.6	6.0	0.5	1.4	24	7.7	7.3	6.8	0.3	0.9	24	9.4	8.9	8.4	0.4	1.0
11/4/99	24	7.4	7.0	6.0	0.4	1.4	24	7.4	6.7	6.0	0.4	1.4	24	9.3	8.4	7.6	0.5	1.7
11/5/99	24	7.1	6.3	5.7	0.6	1.4	24	7.1	6.6	6.0	0.4	1.1	24	9.1	8.4	7.6	0.6	1.5
11/6/99	24	9.1	8.4	7.3	0.6	1.8	24	8.5	7.9	7.1	0.5	1.4	24	10.2	9.7	9.1	0.4	1.1
11/7/99	24	8.5	8.2	7.9	0.2	0.6	24	8.3	8.2	7.9	0.2	0.4	24	9.8	9.5	9.1	0.2	0.7
11/8/99	24	8.7	8.3	8.2	0.2	0.5	24	8.5	8.3	8.0	0.1	0.5	24	9.9	9.6	9.3	0.2	0.6
11/9/99	24	8.4	8.2	8.1	0.1	0.3	24	8.0	8.0	7.9	0.1	0.1	24	9.6	9.4	9.1	0.2	0.5
11/10/99	24	9.0	8.7	8.5	0.2	0.5	24	8.0	8.0	8.0	0.0	0.0	24	9.9	9.8	9.6	0.1	0.3
11/11/99	24	9.4	8.9	8.7	0.3	0.7	24	8.9	8.4	8.0	0.3	0.9	24	10.4	10.0	9.8	0.2	0.6
11/12/99	24	10.4	10.1	9.6	0.3	0.8	24	9.4	9.2	9.1	0.1	0.3	24	10.7	10.6	10.4	0.1	0.3
11/13/99	24	10.1	9.9	9.6	0.1	0.5	24	9.3	9.1	8.9	0.1	0.4	24	10.9	10.6	10.4	0.2	0.5
11/14/99	24	9.4	9.1	8.7	0.3	0.7	24	9.3	9.0	8.6	0.3	0.7	24	10.2	10.0	9.6	0.3	0.6
11/15/99	24	9.4	9.2	9.1	0.1	0.3	24	9.1	8.9	8.8	0.1	0.3	24	10.4	10.1	9.9	0.1	0.5
11/16/99	24	9.4	9.3	9.0	0.1	0.4	24	9.1	8.8	8.3	0.2	0.8	24	10.2	10.1	9.8	0.1	0.4
11/17/99	24	8.8	8.6	8.1	0.2	0.7	24	8.3	8.0	7.6	0.2	0.7	24	9.9	9.7	9.3	0.2	0.6
11/18/99	24	7.9	7.3	6.7	0.4	1.2	24	7.7	7.4	6.9	0.3	0.8	24	9.6	9.1	8.5	0.4	1.1
11/19/99	24	8.1	7.8	7.6	0.2	0.5	24	7.9	7.7	7.6	0.1	0.3	24	9.6	9.4	9.3	0.1	0.3
11/20/99	24	8.1	7.9	7.4	0.2	0.7	24	7.9	7.3	6.9	0.2	1.0	24	9.6	9.4	9.0	0.2	0.6
11/21/99	24	7.3	6.9	6.8	0.2	0.5	24	6.8	6.4	6.2	0.2	0.6	24	9.0	8.9	8.7	0.1	0.3
11/22/99	24	7.0	6.9	6.8	0.1	0.2	24	6.5	6.3	6.2	0.1	0.3	24	8.7	8.6	8.5	0.1	0.2
11/23/99	24	7.4	7.2	7.0	0.2	0.4	24	6.9	6.6	6.3	0.2	0.6	23	9.3	8.9	8.5	0.3	0.8
11/24/99	24	8.2	7.7	7.3	0.3	0.9	24	7.4	7.0	6.8	0.2	0.6	24	9.6	9.1	8.8	0.2	0.8
11/25/99	24	8.8	8.5	8.2	0.2	0.6	24	8.0	7.9	7.6	0.2	0.4	24	10.2	10.0	9.6	0.3	0.6
11/26/99	24	8.7	8.1	7.4	0.4	1.3	24	8.0	7.3	6.6	0.5	1.4	24	10.2	9.6	9.0	0.4	1.2
11/27/99	24	7.6	7.4	7.1	0.2	0.5	24	6.9	6.9	6.6	0.1	0.3	24	9.3	9.0	8.8	0.2	0.5
11/28/99	24	7.6	7.3	7.1	0.1	0.5	24	7.3	7.0	6.8	0.2	0.5	24	9.3	9.0	8.8	0.2	0.5
11/29/99	24	8.1	7.8	7.4	0.3	0.7	24	7.7	7.5	7.1	0.3	0.6	24	9.9	9.5	9.1	0.3	0.8
11/30/99	24	8.1	7.8	7.6	0.1	0.5	24	7.6	7.3	6.9	0.2	0.7	24	9.8	9.5	9.3	0.2	0.5
12/1/99	24	7.6	7.4	7.3	0.1	0.3	24	6.9	6.6	6.5	0.1	0.4	24	9.3	9.1	9.0	0.1	0.3
12/2/99	24	7.7	7.3	6.8	0.3	0.9	24	7.1	6.6	6.3	0.3	0.8	24	9.3	9.0	8.8	0.1	0.5
12/3/99	24	7.1	6.8	6.5	0.2	0.6	24	6.6	6.4	6.2	0.2	0.4	24	9.3	8.9	8.7	0.2	0.6

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	CANCM						SPLYU						SPLYL					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
12/4/99	24	6.7	6.5	6.3	0.1	0.4	24	6.5	6.2	6.0	0.2	0.5	24	8.8	8.6	8.4	0.2	0.4
12/5/99	24	7.3	6.9	6.7	0.2	0.6	24	6.6	6.4	6.2	0.2	0.4	24	9.1	8.9	8.7	0.2	0.4
12/6/99	24	7.3	7.1	6.8	0.1	0.5	24	6.5	6.4	6.2	0.1	0.3	24	9.1	9.0	8.8	0.1	0.3
12/7/99	24	6.8	6.2	5.9	0.2	0.9	24	6.2	5.7	5.5	0.2	0.7	24	8.8	8.6	8.5	0.1	0.3
12/8/99	24	6.5	6.4	6.2	0.1	0.3	24	5.8	5.7	5.5	0.1	0.3	24	8.7	8.5	8.5	0.0	0.2
12/9/99	24	6.8	6.6	6.5	0.1	0.3	24	6.0	5.8	5.5	0.2	0.5	24	8.7	8.6	8.5	0.1	0.2
12/10/99	24	6.8	6.6	6.5	0.1	0.3	24	6.3	6.1	6.0	0.1	0.3	24	8.7	8.7	8.7	0.0	0.0
12/11/99	24	7.6	7.2	6.8	0.3	0.8	24	6.8	6.6	6.3	0.2	0.5	24	9.3	9.0	8.7	0.2	0.6
12/12/99	24	7.4	7.2	6.3	0.4	1.1	24	6.8	6.5	5.7	0.4	1.1	24	9.1	9.0	8.5	0.2	0.6
12/13/99	24	6.3	5.9	5.6	0.2	0.7	24	5.7	5.2	4.6	0.3	1.1	24	8.5	8.4	8.2	0.1	0.3
12/14/99	24	6.5	5.9	5.6	0.3	0.9	24	5.8	5.2	4.6	0.4	1.2	24	8.4	8.2	7.9	0.1	0.5
12/15/99	24	7.1	6.9	6.5	0.2	0.6	24	6.3	6.1	5.8	0.1	0.5	24	8.7	8.5	8.2	0.2	0.5
12/16/99	24	7.4	7.2	7.0	0.1	0.4	24	6.6	6.4	6.2	0.1	0.4	24	9.0	8.8	8.7	0.1	0.3
12/17/99	24	7.9	7.4	7.1	0.3	0.8	24	7.1	6.5	6.2	0.2	0.9	24	9.0	8.9	8.7	0.1	0.3
12/18/99	24	7.3	7.1	6.7	0.2	0.6	24	6.6	6.3	6.0	0.2	0.6	24	9.1	8.9	8.7	0.2	0.4
12/19/99	24	7.0	6.8	6.7	0.1	0.3	24	6.5	6.3	6.0	0.2	0.5	22	9.1	8.8	8.7	0.1	0.4
12/20/99	24	7.0	6.9	6.8	0.1	0.2	24	6.5	6.3	6.2	0.1	0.3	24	9.0	8.9	8.8	0.1	0.2
12/21/99	24	6.7	6.3	5.7	0.3	1.0	24	6.5	6.0	5.5	0.3	1.0	24	8.7	8.5	8.2	0.2	0.5
12/22/99	24	6.7	6.3	5.9	0.4	0.8	24	6.5	6.2	5.8	0.2	0.7	24	9.0	8.6	8.4	0.2	0.6
12/23/99	24	6.5	6.2	5.7	0.2	0.8	24	6.2	5.8	5.4	0.2	0.8	24	8.5	8.4	8.1	0.1	0.4
12/24/99	24	5.7	5.3	4.9	0.2	0.8	24	5.5	5.1	4.9	0.2	0.6	24	8.5	8.1	7.8	0.3	0.7
12/25/99	24	4.9	4.7	4.6	0.1	0.3	24	4.9	4.7	4.4	0.1	0.5	24	7.9	7.8	7.6	0.1	0.3
12/26/99	24	4.9	4.6	4.3	0.2	0.6	24	4.8	4.4	4.1	0.2	0.7	24	7.9	7.6	7.4	0.2	0.5
12/27/99	24	4.9	4.6	4.3	0.2	0.6	24	4.6	4.4	4.1	0.2	0.5	24	7.9	7.7	7.4	0.1	0.5
12/28/99	24	4.6	4.2	4.0	0.2	0.6	24	4.4	4.3	4.1	0.1	0.3	24	7.8	7.5	7.1	0.1	0.7
12/29/99	24	3.9	3.6	3.4	0.2	0.5	24	4.1	3.9	3.7	0.1	0.4	24	7.3	7.0	6.8	0.2	0.5
12/30/99	24	3.9	3.5	3.2	0.2	0.7	24	4.0	3.7	3.3	0.2	0.7	24	7.6	7.3	7.0	0.2	0.6
12/31/99	24	4.3	4.0	3.9	0.2	0.4	24	4.1	4.0	3.7	0.2	0.4	24	7.9	7.7	7.4	0.2	0.5
1/1/00	24	4.8	4.6	4.3	0.1	0.5	24	4.3	4.1	3.7	0.2	0.6	24	7.9	7.9	7.8	0.1	0.1
1/2/00	24	4.5	4.3	4.0	0.2	0.5	24	4.0	3.7	3.3	0.2	0.7	24	8.2	7.9	7.8	0.2	0.4
1/3/00	24	4.6	4.3	4.0	0.2	0.6	24	3.8	3.6	3.3	0.1	0.5	24	7.9	7.7	7.4	0.1	0.5
1/4/00	24	5.9	5.5	4.8	0.3	1.1	24	4.9	4.5	3.8	0.4	1.1	24	8.5	8.3	7.9	0.2	0.6
1/5/00	24	6.0	5.7	5.3	0.2	0.7	24	5.4	5.0	4.8	0.2	0.6	24	8.5	8.2	7.8	0.2	0.7
1/6/00	24	5.3	5.0	4.6	0.2	0.7	24	4.9	4.6	4.3	0.2	0.6	24	8.1	7.6	7.1	0.3	1.0
1/7/00	24	6.2	5.6	5.1	0.4	1.1	24	5.4	5.0	4.6	0.3	0.8	24	8.4	8.1	7.8	0.2	0.6
1/8/00	24	6.3	5.9	5.3	0.4	1.0	24	5.5	5.2	4.6	0.3	0.9	24	8.4	8.3	8.1	0.1	0.3
1/9/00	24	5.6	5.4	5.3	0.1	0.3	24	5.1	4.8	4.4	0.2	0.7	24	8.2	8.0	7.8	0.1	0.4
1/10/00							24	4.6	4.4	4.3	0.1	0.3	24	7.8	7.2	7.1	0.2	0.7
1/11/00							24	4.6	4.0	3.3	0.5	1.3	24	7.3	6.9	6.5	0.3	0.8

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	CANCM						SPLYU						SPLYL					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
1/12/00							24	3.7	3.4	3.2	0.2	0.5	24	7.3	6.9	6.5	0.2	0.8
1/13/00							24	4.1	3.7	3.2	0.3	0.9	24	7.4	7.2	6.8	0.3	0.6
1/14/00							24	4.6	4.3	4.1	0.1	0.5	24	7.8	7.5	7.4	0.1	0.4
1/15/00							24	4.6	4.4	4.3	0.1	0.3	24	7.8	7.4	7.1	0.2	0.7
1/16/00							24	4.9	4.6	4.3	0.2	0.6	24	7.9	7.7	7.4	0.2	0.5
1/17/00							24	5.1	4.8	4.4	0.2	0.7	24	7.9	7.6	7.3	0.2	0.6
1/18/00							24	5.2	4.7	4.3	0.3	0.9	24	8.2	7.5	7.1	0.4	1.1
1/19/00							24	4.9	4.5	4.1	0.2	0.8	24	7.9	7.4	6.8	0.4	1.1
1/20/00							24	5.1	4.7	4.1	0.3	1.0	24	8.2	7.8	7.4	0.3	0.8
1/21/00							24	5.1	4.8	4.6	0.2	0.5	24	8.4	7.9	7.6	0.3	0.8
1/22/00							24	5.2	4.9	4.6	0.2	0.6	24	8.5	8.1	7.6	0.2	0.9
1/23/00							24	4.6	4.4	4.1	0.2	0.5	24	7.4	7.3	7.1	0.1	0.3
1/24/00							24	4.8	4.4	4.0	0.3	0.8	24	8.1	7.5	7.1	0.4	1.0
1/25/00	Inaccessible						23	5.1	4.8	4.6	0.1	0.5	23	8.2	7.9	7.8	0.2	0.4
1/26/00							24	5.1	4.8	4.4	0.2	0.7	24	8.4	8.0	7.8	0.1	0.6
1/27/00							24	4.8	4.4	4.1	0.2	0.7	24	7.8	7.6	7.1	0.2	0.7
1/28/00							24	4.6	4.3	4.0	0.2	0.6	24	7.8	7.3	7.1	0.2	0.7
1/29/00							24	4.0	3.7	3.3	0.2	0.7	24	7.4	7.1	6.8	0.2	0.6
1/30/00							24	3.7	3.5	3.2	0.2	0.5	24	7.4	7.1	6.7	0.3	0.7
1/31/00							24	4.6	4.1	3.7	0.4	0.9	24	8.2	7.7	7.3	0.3	0.9
2/1/00							24	4.8	4.6	4.3	0.2	0.5	24	8.4	8.1	7.8	0.3	0.6
2/2/00							24	5.4	5.0	4.6	0.3	0.8	24	8.5	8.1	7.8	0.2	0.7
2/3/00							24	5.8	5.3	5.1	0.2	0.7	24	8.8	8.3	7.9	0.3	0.9
2/4/00							24	5.5	5.1	4.8	0.2	0.7	24	8.7	8.2	7.8	0.3	0.9
2/5/00							24	5.7	5.2	4.8	0.3	0.9	24	8.7	8.2	7.8	0.3	0.9
2/6/00							24	6.0	5.6	5.2	0.3	0.8	24	9.1	8.5	8.1	0.4	1.0
2/7/00							24	6.0	5.7	5.5	0.2	0.5	24	9.1	8.7	8.4	0.2	0.7
2/8/00							24	5.5	5.3	4.8	0.3	0.7	24	8.8	8.5	7.9	0.2	0.9
2/9/00							24	5.5	5.0	4.6	0.3	0.9	24	9.0	8.1	7.4	0.4	1.6
2/10/00							24	5.4	4.9	4.4	0.4	1.0	24	8.7	7.9	7.1	0.6	1.6
2/11/00							24	5.4	5.0	4.6	0.3	0.8	24	8.7	8.2	7.9	0.3	0.8
2/12/00							24	5.2	5.0	4.4	0.2	0.8	24	8.5	8.2	7.9	0.2	0.6
2/13/00							24	4.9	4.5	4.1	0.3	0.8	24	8.4	7.8	7.3	0.4	1.1
2/14/00							24	4.9	4.6	4.3	0.2	0.6	24	8.4	8.1	7.9	0.2	0.5
2/15/00							24	5.4	4.8	4.4	0.3	1.0	24	8.8	8.2	7.6	0.3	1.2
2/16/00							24	5.4	4.7	4.1	0.4	1.3	24	8.5	7.7	7.1	0.5	1.4
2/17/00							24	5.2	4.6	4.1	0.3	1.1	24	8.4	7.6	7.1	0.4	1.3
2/18/00							24	4.9	4.3	3.8	0.4	1.1	24	8.1	7.3	6.7	0.5	1.4
2/19/00							24	5.1	4.5	4.0	0.3	1.1	24	8.4	7.6	7.1	0.5	1.3

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	CANCM						SPLYU						SPLYL					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
2/20/00							24	5.5	4.9	4.3	0.5	1.2	24	9.0	8.1	7.4	0.6	1.6
2/21/00							24	5.5	5.3	5.2	0.1	0.3	24	8.5	8.4	8.2	0.1	0.3
2/22/00	2/23: Unit in perfect condition, but not active; replaced						22	5.5	5.3	4.9	0.2	0.6	23	8.8	8.5	8.4	0.1	0.4
2/23/00	11	6.1	5.8	5.6	0.2	0.5	24	5.4	5.0	4.8	0.2	0.6	24	9.1	8.5	8.2	0.3	0.9
2/24/00	24	5.6	5.4	5.0	0.2	0.6	24	5.1	4.6	4.0	0.3	1.1	24	9.0	8.2	7.4	0.4	1.6
2/25/00	24	5.0	4.7	4.2	0.3	0.8	24	4.6	4.2	3.8	0.2	0.8	24	8.1	7.6	7.1	0.4	1.0
2/26/00	24	5.6	5.4	5.0	0.3	0.6	24	4.9	4.7	4.3	0.2	0.6	24	8.4	8.1	7.8	0.2	0.6
2/27/00	24	6.7	6.0	5.5	0.5	1.2	24	5.8	5.2	4.8	0.4	1.0	24	9.3	8.6	8.1	0.5	1.2
2/28/00	24	6.4	6.2	5.9	0.1	0.5	24	5.4	5.3	5.2	0.1	0.2	24	8.7	8.5	8.4	0.1	0.3
2/29/00	24	6.1	5.9	5.8	0.1	0.3	24	5.2	5.1	4.8	0.1	0.4	24	8.5	8.3	8.1	0.1	0.4
3/1/00	24	6.3	5.6	4.8	0.5	1.5	24	5.5	5.0	4.4	0.4	1.1	24	9.0	8.4	7.8	0.5	1.2
3/2/00	24	6.6	6.2	5.9	0.3	0.7	24	5.7	5.4	5.2	0.2	0.5	24	8.8	8.5	8.2	0.2	0.6
3/3/00	24	6.6	6.1	5.3	0.4	1.3	24	6.0	5.6	5.1	0.3	0.9	24	9.0	8.4	7.8	0.5	1.2
3/4/00	24	6.6	6.3	5.8	0.2	0.8	24	5.5	5.4	4.9	0.2	0.6	24	8.8	8.5	8.1	0.2	0.7
3/5/00	24	6.1	5.6	5.0	0.3	1.1	24	5.4	4.8	4.3	0.4	1.1	24	8.8	8.0	7.3	0.6	1.5
3/6/00	24	5.9	5.2	4.7	0.4	1.2	24	5.1	4.5	4.0	0.4	1.1	24	8.8	7.8	7.1	0.6	1.7
3/7/00	24	5.9	5.1	4.2	0.7	1.7	24	5.5	4.8	4.0	0.7	1.5	24	9.0	8.0	6.8	0.8	2.2
3/8/00	24	6.7	6.1	5.6	0.4	1.1	24	6.0	5.4	5.1	0.3	0.9	24	9.3	8.6	8.2	0.4	1.1
3/9/00	24	6.4	5.7	4.8	0.6	1.6	24	6.2	5.3	4.6	0.5	1.6	24	9.4	8.2	7.3	0.7	2.1
3/10/00	24	6.7	6.0	5.3	0.5	1.4	24	6.3	5.7	5.1	0.4	1.2	24	9.4	8.6	7.8	0.6	1.6
3/11/00	24	7.0	6.4	5.9	0.3	1.1	24	6.2	5.7	5.4	0.3	0.8	24	9.4	8.7	8.4	0.4	1.0
3/12/00	24	6.6	5.9	5.2	0.5	1.4	24	6.0	5.4	4.8	0.5	1.2	24	9.3	8.5	7.6	0.6	1.7
3/13/00	24	7.3	6.4	5.6	0.6	1.7	24	6.5	5.9	5.1	0.6	1.4	24	9.9	8.9	7.9	0.7	2.0
3/14/00	24	7.0	6.5	5.8	0.3	1.2	24	6.0	5.5	4.6	0.4	1.4	24	9.1	8.7	8.1	0.3	1.0
3/15/00	24	6.4	5.5	4.5	0.7	1.9	24	5.8	5.0	4.0	0.7	1.8	24	9.8	8.6	7.3	0.9	2.5
3/16/00	24	6.7	6.2	5.6	0.3	1.1	24	6.0	5.4	4.8	0.3	1.2	24	9.3	8.7	8.2	0.3	1.1
3/17/00	24	5.8	5.5	5.3	0.2	0.5	24	4.9	4.8	4.6	0.1	0.3	24	8.5	8.3	8.1	0.2	0.4
3/18/00	24	6.3	5.9	5.6	0.2	0.7	24	5.2	5.0	4.8	0.1	0.4	24	8.5	8.4	8.2	0.1	0.3
3/19/00	24	5.8	5.3	5.0	0.2	0.8	24	4.8	4.4	4.1	0.2	0.7	24	8.7	8.3	8.1	0.2	0.6
3/20/00	24	6.4	5.5	4.8	0.6	1.6	24	5.8	5.0	4.3	0.5	1.5	24	9.9	8.7	7.9	0.7	2.0
3/21/00	24	7.5	6.2	5.3	0.8	2.2	22	6.8	5.6	4.8	0.6	2.0	24	10.4	9.1	8.2	0.8	2.2
3/22/00	24	6.9	6.3	5.9	0.3	1.0	24	6.3	5.8	5.4	0.3	0.9	22	9.3	8.7	8.2	0.4	1.1
3/23/00	24	6.4	5.9	5.5	0.3	0.9	24	6.0	5.3	4.8	0.4	1.2	24	9.4	8.7	8.2	0.5	1.2
3/24/00	24	6.9	5.6	4.4	0.9	2.5	24	6.5	5.3	4.3	0.8	2.2	24	10.4	8.7	7.3	1.1	3.1
3/25/00	24	6.9	6.0	5.3	0.6	1.6	24	6.2	5.5	4.9	0.5	1.3	24	10.2	8.8	7.8	0.8	2.4
3/26/00	24	7.6	6.1	4.7	1.0	2.9	24	7.1	5.7	4.4	0.9	2.7	24	10.9	8.8	7.3	1.3	3.6
3/27/00	24	6.6	6.3	5.9	0.2	0.7	24	5.8	5.7	5.4	0.1	0.4	24	9.0	8.7	8.4	0.2	0.6
3/28/00	24	6.3	5.9	5.5	0.3	0.8	24	5.7	5.3	4.9	0.3	0.8	24	9.6	8.8	8.2	0.5	1.4
3/29/00	24	7.3	5.9	4.8	0.8	2.5	24	6.2	5.1	4.3	0.7	1.9	24	10.4	8.8	7.4	1.0	3.0

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	CANCM						SPLYU						SPLYL					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
3/30/00	24	7.8	6.1	4.7	1.1	3.1	24	7.1	5.6	4.3	1.0	2.8	24	11.0	9.0	7.4	1.3	3.6
3/31/00	24	8.4	6.7	5.3	1.1	3.1	24	7.7	6.2	4.9	1.0	2.8	24	11.5	9.4	7.6	1.4	3.9
4/1/00	24	9.7	7.9	6.6	1.1	3.1	24	8.6	7.2	6.2	0.9	2.4	24	12.1	10.1	8.7	1.2	3.4
4/2/00	24	9.5	8.1	7.0	0.8	2.5	24	8.5	7.1	6.2	0.8	2.3	24	12.2	10.4	9.0	1.2	3.2
4/3/00	24	9.5	7.9	6.6	0.9	2.9	24	8.8	7.2	6.2	0.9	2.6	24	12.7	10.6	8.8	1.3	3.9
4/4/00	24	8.0	7.0	5.9	0.5	2.1	24	6.9	6.3	5.2	0.4	1.7	24	10.2	9.7	8.8	0.4	1.4
4/5/00	24	6.4	5.7	4.8	0.6	1.6	24	5.7	5.1	4.3	0.5	1.4	24	10.2	8.9	7.6	0.9	2.6
4/6/00	24	6.6	6.1	5.8	0.3	0.8	24	6.2	5.5	5.2	0.4	1.0	24	10.1	9.1	8.7	0.5	1.4
4/7/00	24	8.1	6.4	4.8	1.2	3.3	24	7.6	5.9	4.4	1.1	3.2	24	11.6	9.4	7.6	1.5	4.0
4/8/00	24	9.3	7.6	6.1	1.2	3.2	24	8.6	7.1	5.7	1.0	2.9	24	12.4	10.4	8.8	1.3	3.6
4/9/00	24	7.8	7.5	7.2	0.2	0.6	24	7.1	6.8	6.6	0.2	0.5	24	10.2	9.9	9.6	0.2	0.6
4/10/00	24	10.0	8.1	6.9	1.1	3.1	24	8.8	7.3	6.2	0.9	2.6	24	12.4	10.5	9.0	1.2	3.4
4/11/00	24	9.8	8.2	6.7	1.0	3.1	24	8.9	7.5	6.2	1.0	2.7	24	12.6	10.5	8.7	1.4	3.9
4/12/00	24	9.8	8.5	7.6	0.7	2.2	24	9.1	7.8	6.9	0.7	2.2	24	12.4	10.8	9.6	1.0	2.8
4/13/00	24	8.6	7.9	7.3	0.3	1.3	24	7.7	7.3	6.6	0.3	1.1	24	10.7	10.3	9.9	0.2	0.8
4/14/00	24	7.3	7.0	6.9	0.2	0.4	24	6.6	6.4	6.2	0.1	0.4	24	10.4	9.9	9.6	0.3	0.8
4/15/00	24	7.6	7.0	6.6	0.4	1.0	24	6.9	6.3	6.0	0.3	0.9	24	10.9	10.0	9.4	0.5	1.5
4/16/00	24	8.4	7.3	6.4	0.7	2.0	24	7.9	6.7	5.8	0.7	2.1	24	11.5	10.2	9.3	0.8	2.2
4/17/00	24	8.9	7.4	6.3	0.9	2.6	24	8.5	7.1	6.0	0.9	2.5	24	11.9	10.2	8.8	1.1	3.1
4/18/00	24	9.3	8.1	7.0	0.7	2.3	23	8.8	7.4	6.6	0.7	2.2	24	12.2	10.6	9.3	1.0	2.9
4/19/00	24	9.0	7.7	6.4	0.9	2.6	24	8.5	7.2	5.8	0.9	2.7	8	9.8	9.0	8.7	0.4	1.1
4/20/00	24	10.1	8.4	7.0	1.0	3.1	24	9.6	7.9	6.8	0.9	2.8						
4/21/00	24	9.5	8.3	6.9	0.9	2.6	24	8.9	7.9	6.8	0.8	2.1						
4/22/00	24	8.6	8.1	7.5	0.3	1.1	24	7.9	7.2	6.5	0.4	1.4						
4/23/00	24	7.5	6.9	6.1	0.4	1.4	24	6.5	6.1	5.1	0.4	1.4						
4/24/00	24	7.8	6.5	5.0	1.0	2.8	24	6.8	5.8	4.4	0.9	2.4						
4/25/00	24	8.0	7.2	6.7	0.4	1.3	24	6.9	6.3	5.8	0.3	1.1						
4/26/00	24	9.5	7.8	6.1	1.3	3.4	24	8.6	7.0	5.5	1.1	3.1						
4/27/00	24	9.0	8.3	7.6	0.4	1.4	24	8.2	7.5	6.9	0.4	1.3						
4/28/00	24	7.8	7.2	6.7	0.3	1.1	24	6.8	6.4	5.8	0.3	1.0						
4/29/00	24	8.7	7.3	5.6	1.2	3.1	24	8.0	6.8	5.5	0.9	2.5						
4/30/00	24	10.9	8.8	7.2	1.3	3.7	24	9.7	8.0	6.6	1.1	3.1						
5/1/00	24	10.3	9.0	8.0	0.8	2.3	24	9.3	8.2	7.4	0.6	1.9						
5/2/00	24	10.3	9.3	8.6	0.6	1.7	24	9.6	8.6	7.9	0.5	1.7						
5/3/00	24	9.0	8.6	8.0	0.3	1.0	24	8.5	7.9	7.1	0.4	1.4						
5/4/00	24	8.3	7.6	7.0	0.4	1.3	24	7.4	6.9	6.5	0.3	0.9						
5/5/00	24	8.6	7.6	6.9	0.6	1.7	24	7.4	6.6	6.0	0.4	1.4						
5/6/00	24	9.0	7.3	5.8	1.1	3.2	24	8.3	6.7	5.4	1.0	2.9						
5/7/00	24	9.7	7.8	5.8	1.4	3.9	24	8.8	7.3	5.7	1.1	3.1						

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	CANCM						SPLYU						SPLYL					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
5/8/00	24	8.6	8.2	8.0	0.2	0.6	24	8.2	7.7	7.4	0.3	0.8						
5/9/00	24	8.3	7.9	7.2	0.3	1.1	24	7.7	7.3	6.6	0.3	1.1						
5/10/00	24	7.0	6.4	6.3	0.2	0.7	24	6.5	5.7	5.2	0.4	1.3						
5/11/00	24	7.2	6.7	6.3	0.4	0.9	24	6.5	5.8	5.4	0.4	1.1						
5/12/00	24	8.6	7.3	5.9	0.9	2.7	24	7.7	6.5	5.4	0.9	2.3						
5/13/00	24	8.9	8.0	7.0	0.7	1.9	24	8.2	7.3	6.3	0.7	1.9						
5/14/00	24	9.7	8.6	7.3	0.9	2.4	24	9.1	8.0	6.9	0.8	2.2						
5/15/00	24	10.0	8.8	8.1	0.6	1.9	24	9.1	8.3	7.7	0.4	1.4						
5/16/00	24	9.3	8.7	7.8	0.6	1.5	24	9.1	8.4	7.7	0.5	1.4						
5/17/00	24	8.7	8.4	8.1	0.2	0.6	24	8.6	8.0	7.6	0.3	1.0						
5/18/00	24	11.4	9.4	7.6	1.4	3.8	24	10.4	8.9	7.6	1.0	2.8						
5/19/00	24	10.6	9.7	9.2	0.5	1.4	24	9.9	9.0	8.6	0.4	1.3						
5/20/00	24	12.3	10.2	8.6	1.4	3.7	24	11.3	9.6	8.3	1.0	3.0						
5/21/00	24	12.3	10.7	9.3	1.0	3.0	24	11.9	10.3	9.1	0.9	2.8						
5/22/00	24	12.6	11.0	9.8	0.9	2.8	24	12.2	10.7	9.7	0.9	2.5						
5/23/00	24	12.9	10.9	9.3	1.2	3.6	24	12.4	10.5	9.3	1.1	3.1						
5/24/00	24	12.8	10.6	8.9	1.4	3.9	24	12.2	10.3	8.9	1.1	3.3						
5/25/00	24	10.9	9.8	8.7	0.7	2.2	24	10.5	9.5	8.6	0.6	1.9						
5/26/00	24	10.9	9.8	9.0	0.7	1.9	24	10.2	9.4	8.8	0.5	1.4						
5/27/00	24	11.5	10.3	9.3	0.7	2.2	24	11.0	9.8	9.3	0.6	1.7						
5/28/00	24	10.4	9.7	9.2	0.4	1.2	24	10.0	9.4	8.9	0.4	1.1						
5/29/00	24	10.7	9.6	8.7	0.7	2.0	24	9.6	9.0	8.5	0.4	1.1						
5/30/00	24	9.8	9.1	8.4	0.5	1.4	24	9.3	8.6	8.2	0.3	1.1						
5/31/00	13	8.9	8.5	8.3	0.2	0.6	12	8.3	8.2	8.2	0.1	0.1						

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	MERLI						MERTR						LEWEA					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
4/14/99																		
4/15/99																		
4/16/99																		
4/17/99																		
4/18/99																		
4/19/99																		
4/20/99																		
4/21/99																		
4/22/99																		
4/23/99																		
4/24/99																		
4/25/99																		
4/26/99																		
4/27/99							13	7.2	6.9	6.5	0.2	0.7						
4/28/99							24	6.7	6.6	6.5	0.1	0.2						
4/29/99							24	6.8	6.6	6.5	0.1	0.3						
4/30/99							24	6.8	6.7	6.5	0.1	0.3						
5/1/99							24	6.8	6.7	6.5	0.1	0.3						
5/2/99							24	7.0	6.7	6.7	0.1	0.3						
5/3/99							24	6.8	6.8	6.7	0.1	0.1						
5/4/99							24	6.8	6.8	6.7	0.0	0.1						
5/5/99							24	7.3	7.1	6.8	0.1	0.5						
5/6/99							24	7.2	7.0	6.8	0.1	0.4						
5/7/99							24	7.0	6.9	6.8	0.1	0.2						
5/8/99							24	7.2	7.1	7.0	0.1	0.2						
5/9/99							24	7.2	7.1	7.0	0.1	0.2						
5/10/99							24	7.3	7.1	7.0	0.1	0.3						
5/11/99							24	7.2	7.1	7.0	0.1	0.2						
5/12/99							24	7.2	7.1	7.0	0.1	0.2						
5/13/99							24	7.5	7.2	7.2	0.1	0.3						
5/14/99							24	8.1	7.6	7.3	0.2	0.8						
5/15/99							24	7.5	7.4	7.3	0.1	0.2						
5/16/99							24	7.5	7.4	7.3	0.0	0.2						
5/17/99							24	7.8	7.5	7.3	0.1	0.5						
5/18/99							24	7.8	7.4	7.3	0.1	0.5						
5/19/99							24	7.8	7.7	7.5	0.1	0.3						
5/20/99							24	8.4	7.9	7.6	0.2	0.8						
5/21/99							24	7.9	7.8	7.6	0.1	0.3						
5/22/99							24	8.1	7.9	7.8	0.1	0.3						

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	MERLI						MERTR						LEWEA					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
5/23/99							24	8.1	7.9	7.8	0.1	0.3						
5/24/99							24	8.2	8.0	7.9	0.1	0.3						
5/25/99							24	8.4	8.2	8.1	0.1	0.3						
5/26/99							24	9.0	8.6	8.2	0.2	0.8						
5/27/99							24	8.5	8.4	8.2	0.0	0.3						
5/28/99							24	9.0	8.5	8.4	0.2	0.6						
5/29/99							24	8.7	8.5	8.4	0.1	0.3						
5/30/99							24	9.0	8.6	8.4	0.2	0.6						
5/31/99							24	8.8	8.5	8.4	0.2	0.4						
6/1/99							24	8.7	8.5	8.4	0.1	0.3	6/2: Initial deployment					
6/2/99							24	8.8	8.6	8.5	0.1	0.3	14	10.1	9.6	9.0	0.3	1.1
6/3/99							24	8.7	8.6	8.5	0.1	0.2	24	11.1	9.6	8.5	0.9	2.6
6/4/99							24	9.1	8.8	8.5	0.2	0.6	24	9.4	9.1	9.0	0.2	0.4
6/5/99							24	9.0	8.7	8.7	0.1	0.3	24	10.2	9.5	9.1	0.4	1.1
6/6/99							24	9.5	9.1	8.7	0.2	0.8	24	10.5	9.6	8.8	0.7	1.7
6/7/99							24	8.8	8.8	8.7	0.0	0.1	24	9.9	9.3	9.0	0.3	0.9
6/8/99							24	9.0	8.9	8.8	0.1	0.2	24	10.1	9.4	9.0	0.4	1.1
6/9/99							24	9.0	9.0	9.0	0.0	0.0	24	10.4	9.6	9.1	0.5	1.3
6/10/99							24	9.0	9.0	9.0	0.0	0.0	24	11.6	10.0	9.0	0.9	2.6
6/11/99							24	9.1	9.0	9.0	0.0	0.1	24	11.6	10.2	9.3	0.9	2.3
6/12/99							24	9.1	9.0	9.0	0.1	0.1	24	11.9	10.3	9.4	0.9	2.5
6/13/99							24	9.3	9.1	9.0	0.1	0.3	24	12.1	10.6	9.6	1.0	2.5
6/14/99							24	9.6	9.3	9.1	0.1	0.5	24	11.3	10.3	9.6	0.6	1.7
6/15/99							24	10.6	9.6	9.3	0.3	1.3	24	10.7	10.0	9.6	0.3	1.1
6/16/99							24	9.9	9.7	9.6	0.1	0.3	24	11.0	10.3	9.9	0.4	1.1
6/17/99							24	10.4	9.8	9.6	0.2	0.8	24	11.6	10.5	10.1	0.5	1.5
6/18/99							24	10.2	9.9	9.8	0.2	0.4	24	10.8	10.3	9.9	0.3	0.9
6/19/99							24	10.2	10.0	9.9	0.1	0.3	24	11.1	10.5	9.9	0.4	1.2
6/20/99							24	10.4	10.0	9.9	0.1	0.5	24	10.8	10.4	10.1	0.2	0.7
6/21/99							24	10.2	10.1	10.1	0.1	0.1	24	11.0	10.5	10.2	0.3	0.8
6/22/99	6/23: Initial deployment						24	10.4	10.2	10.1	0.1	0.3	24	11.3	10.7	10.4	0.3	0.9
6/23/99	14	11.5	11.3	11.0	0.2	0.5	23	10.4	10.2	10.2	0.0	0.2	24	12.1	11.0	10.4	0.6	1.7
6/24/99	24	17.3	15.5	11.2	2.0	6.1	24	10.6	10.3	10.2	0.1	0.4	24	11.0	10.8	10.5	0.2	0.5
6/25/99	24	16.8	13.5	10.6	2.2	6.2	24	10.9	10.6	10.4	0.1	0.5	24	11.6	11.0	10.7	0.3	0.9
6/26/99	24	11.0	10.8	10.7	0.1	0.3	24	11.2	10.6	10.4	0.2	0.8	24	11.4	11.0	10.5	0.3	0.9
6/27/99	24	14.8	12.0	10.7	1.4	4.1	24	11.2	10.8	10.6	0.2	0.6	24	11.8	11.2	10.7	0.4	1.1
6/28/99	24	16.3	12.8	10.7	1.9	5.6	24	11.0	10.8	10.6	0.1	0.4	24	11.8	11.3	10.7	0.3	1.1
6/29/99	24	16.5	14.1	11.2	2.5	5.3	24	11.2	11.0	10.9	0.1	0.3	24	12.1	11.5	11.0	0.4	1.1
6/30/99	24	16.2	12.3	11.0	1.8	5.2	24	11.2	11.0	10.9	0.1	0.3	24	11.6	11.4	11.3	0.1	0.3

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	MERLI						MERTR						LEWEA					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
7/1/99	24	17.0	14.4	11.0	2.6	6.0	24	11.3	11.1	11.0	0.1	0.3	24	12.2	11.6	11.1	0.4	1.1
7/2/99	24	16.2	13.4	11.0	2.2	5.2	24	11.5	11.3	11.0	0.1	0.5	24	12.2	11.6	11.1	0.4	1.1
7/3/99	24	16.0	13.5	11.2	1.8	4.8	24	11.3	11.2	11.0	0.1	0.3	24	11.8	11.5	11.1	0.2	0.7
7/4/99	24	15.9	14.3	11.3	1.2	4.6	24	11.5	11.3	11.3	0.0	0.2	24	12.2	11.6	11.3	0.3	0.9
7/5/99	24	15.1	13.1	11.3	1.0	3.8	24	11.5	11.4	11.3	0.1	0.2	24	13.6	12.2	11.1	0.9	2.5
7/6/99	24	17.8	14.8	12.3	1.5	5.5	24	11.5	11.4	11.3	0.1	0.2	24	13.8	12.3	11.3	0.9	2.5
7/7/99	24	17.8	15.2	11.5	2.4	6.3	24	11.8	11.5	11.3	0.1	0.5	24	12.2	11.9	11.6	0.2	0.6
7/8/99	24	17.6	15.3	11.6	2.2	6.0	24	11.6	11.5	11.3	0.1	0.3	24	13.9	12.4	11.3	1.0	2.6
7/9/99	24	18.1	15.6	12.4	2.3	5.7	24	11.8	11.7	11.5	0.1	0.3	24	13.9	12.5	11.4	0.9	2.5
7/10/99	24	18.7	16.1	11.8	2.4	6.9	24	11.8	11.6	11.5	0.1	0.3	24	13.9	12.5	11.6	0.9	2.3
7/11/99	24	20.4	18.3	14.3	1.4	6.1	24	12.1	11.8	11.6	0.1	0.5	24	13.5	12.3	11.6	0.7	1.9
7/12/99	24	19.2	16.7	12.3	2.3	6.9	24	12.1	11.9	11.8	0.1	0.3	24	13.0	12.1	11.4	0.5	1.6
7/13/99	24	19.7	16.9	11.6	3.0	8.1	24	12.3	11.9	11.8	0.1	0.5	24	13.3	12.3	11.6	0.7	1.7
7/14/99	24	17.9	15.2	12.3	1.9	5.6	24	12.4	12.0	11.8	0.2	0.6	24	12.5	12.1	11.8	0.3	0.7
7/15/99	24	19.7	17.8	12.3	2.2	7.4	24	12.1	12.0	11.9	0.1	0.2	24	13.5	12.4	11.8	0.6	1.7
7/16/99	24	19.4	16.2	12.3	2.9	7.1	24	11.9	11.9	11.9	0.0	0.0	24	12.4	12.0	11.8	0.2	0.6
7/17/99	24	18.7	17.6	14.8	1.0	3.9	24	12.1	12.0	11.9	0.1	0.2	24	12.4	12.1	11.9	0.2	0.5
7/18/99	24	19.7	18.6	17.1	0.7	2.6	24	12.1	12.0	11.9	0.1	0.2	24	13.8	12.7	11.9	0.7	1.9
7/19/99	24	19.2	16.6	12.6	2.8	6.6	24	12.3	12.0	11.9	0.1	0.4	24	14.1	12.8	11.9	0.8	2.2
7/20/99	24	20.0	18.3	14.0	1.7	6.0	24	12.3	12.1	11.9	0.1	0.4	24	13.9	12.8	11.9	0.7	2.0
7/21/99	24	20.0	18.6	14.1	1.8	5.9	22	12.3	12.1	12.1	0.1	0.2	24	13.6	12.7	12.1	0.6	1.5
7/22/99	24	21.0	18.5	13.2	2.2	7.8	24	12.3	12.2	12.1	0.1	0.2	24	14.1	12.9	11.9	0.8	2.2
7/23/99	24	21.4	20.6	19.6	0.5	1.8	24	12.3	12.2	12.1	0.1	0.2	24	13.8	12.8	12.1	0.7	1.7
7/24/99	24	21.0	19.4	14.1	2.1	6.9	24	12.4	12.2	12.1	0.1	0.3	24	12.9	12.4	12.1	0.3	0.8
7/25/99	24	20.5	20.0	19.1	0.3	1.4	24	12.3	12.2	12.1	0.0	0.2	24	13.9	12.8	12.1	0.7	1.8
7/26/99	24	20.4	19.2	14.0	2.0	6.4	24	12.4	12.3	12.3	0.1	0.1	24	14.2	13.0	12.1	0.8	2.1
7/27/99	24	22.2	21.0	20.0	0.7	2.2	24	12.4	12.3	12.3	0.1	0.1	24	14.6	13.2	12.2	0.9	2.4
7/28/99	24	22.5	21.6	21.0	0.4	1.5	24	12.4	12.3	12.3	0.1	0.1	24	14.9	13.4	12.2	0.9	2.7
7/29/99	24	22.0	21.6	21.0	0.2	1.0	24	12.7	12.4	12.3	0.1	0.4	24	14.4	13.3	12.4	0.8	2.0
7/30/99	23	21.7	19.8	16.3	2.0	5.4	24	12.6	12.3	12.3	0.1	0.3	24	14.6	13.4	12.4	0.8	2.2
7/31/99	24	21.7	20.1	16.7	1.7	5.0	24	12.4	12.3	12.3	0.1	0.1	24	14.7	13.4	12.4	0.9	2.3
8/1/99	24	21.9	20.7	17.0	1.6	4.9	24	12.4	12.4	12.3	0.0	0.1	24	14.7	13.4	12.5	0.8	2.2
8/2/99	24	22.0	20.3	16.8	1.9	5.2	24	12.6	12.4	12.3	0.1	0.3	24	15.2	13.7	12.4	1.1	2.8
8/3/99	24	22.4	20.1	15.1	2.7	7.3	24	12.6	12.4	12.3	0.1	0.3	24	15.5	14.0	12.5	1.0	3.0
8/4/99	24	22.2	19.3	16.7	1.9	5.5	24	12.7	12.5	12.4	0.1	0.3	24	15.3	14.0	12.7	0.9	2.6
8/5/99	24	22.4	19.8	14.1	2.8	8.3	24	12.7	12.6	12.4	0.1	0.3	24	13.9	13.4	12.9	0.4	1.0
8/6/99	24	22.0	21.3	18.6	0.9	3.4	24	12.6	12.6	12.6	0.0	0.0	24	13.3	13.0	12.9	0.1	0.4
8/7/99	24	21.9	21.0	19.1	0.7	2.8	24	12.6	12.6	12.6	0.0	0.0	24	13.6	13.1	12.9	0.3	0.7
8/8/99	24	21.4	19.3	14.1	2.3	7.3	24	12.7	12.6	12.6	0.1	0.1	24	15.0	13.6	12.7	0.9	2.3

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	MERLI						MERTR						LEWEA					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
8/9/99	24	22.4	20.8	19.2	0.6	3.2	24	12.7	12.6	12.6	0.1	0.1	24	15.3	13.8	12.7	1.0	2.6
8/10/99	24	22.4	20.9	16.0	1.9	6.4	24	12.9	12.7	12.6	0.1	0.3	24	15.3	13.9	12.7	1.0	2.6
8/11/99	24	22.7	21.1	18.1	1.6	4.6	24	12.9	12.7	12.6	0.1	0.3	24	13.8	13.1	13.0	0.2	0.8
8/12/99	24	22.0	20.1	16.3	2.3	5.7	24	12.9	12.8	12.7	0.1	0.2	24	14.1	13.3	12.7	0.5	1.4
8/13/99	24	21.7	18.5	15.1	2.3	6.6	24	12.9	12.8	12.6	0.1	0.3	24	13.8	13.3	12.9	0.3	0.9
8/14/99	24	21.0	19.0	16.0	1.8	5.0	24	12.9	12.8	12.7	0.1	0.2	24	14.4	13.5	12.9	0.5	1.5
8/15/99	24	21.2	20.5	19.1	0.6	2.1	24	12.9	12.8	12.7	0.1	0.2	24	14.1	13.4	12.9	0.5	1.2
8/16/99	24	21.4	19.5	15.7	1.9	5.7	24	12.9	12.8	12.7	0.1	0.2	24	15.3	13.9	12.7	1.0	2.6
8/17/99	24	21.0	18.7	16.3	1.5	4.7	24	12.9	12.9	12.7	0.0	0.2	24	15.8	14.2	12.9	1.1	2.9
8/18/99	24	22.0	19.6	15.9	2.3	6.1	24	13.0	12.9	12.7	0.1	0.3	24	14.1	13.5	13.2	0.3	0.9
8/19/99	24	21.5	18.6	16.5	1.8	5.0	24	13.0	12.9	12.9	0.1	0.1	24	15.5	14.0	13.0	0.9	2.5
8/20/99	24	21.7	19.5	17.0	1.6	4.7	24	13.0	12.9	12.9	0.1	0.1	24	15.5	14.1	13.0	0.9	2.5
8/21/99	24	22.2	21.9	21.7	0.2	0.5	24	13.0	12.9	12.9	0.1	0.1	24	15.3	14.2	13.3	0.7	2.0
8/22/99	24	21.9	21.7	21.5	0.1	0.4	24	13.2	13.0	12.9	0.1	0.3	24	16.1	14.5	12.9	1.2	3.2
8/23/99	24	22.4	20.1	16.3	2.3	6.1	24	13.0	13.0	12.9	0.1	0.1	24	16.3	14.6	13.2	1.1	3.1
8/24/99	24	22.5	20.5	17.5	1.6	5.0	24	13.2	13.1	13.0	0.1	0.2	24	15.8	14.4	13.2	1.0	2.6
8/25/99	24	23.0	21.7	17.1	1.6	5.9	23	13.2	13.0	13.0	0.1	0.2	17	15.2	13.9	13.3	0.6	1.9
8/26/99	23	22.5	21.1	18.3	1.5	4.2	24	13.2	13.2	13.2	0.0	0.0						
8/27/99	24	22.7	20.4	14.8	3.0	7.9	24	13.3	13.2	13.2	0.1	0.1						
8/28/99	24	23.4	22.8	22.0	0.5	1.4	24	13.3	13.2	13.2	0.1	0.1						
8/29/99	24	23.2	22.9	22.5	0.2	0.7	24	13.3	13.2	13.0	0.1	0.3						
8/30/99	24	22.5	21.4	18.7	1.2	3.8	24	13.3	13.3	13.2	0.1	0.1						
8/31/99	24	21.4	20.9	19.9	0.5	1.5	24	13.3	13.3	13.2	0.0	0.1						
9/1/99	24	20.7	19.2	16.7	1.6	4.0	24	13.3	13.3	13.2	0.1	0.1						
9/2/99	24	20.5	18.8	14.6	1.7	5.9	24	13.5	13.3	13.2	0.1	0.3						
9/3/99	24	19.9	17.5	14.3	1.4	5.6	24	13.5	13.4	13.3	0.1	0.2						
9/4/99	24	21.0	20.6	19.9	0.3	1.1	24	13.5	13.5	13.3	0.1	0.2						
9/5/99	24	20.7	20.5	20.4	0.1	0.3	24	13.5	13.5	13.5	0.0	0.0						
9/6/99	24	20.4	18.8	15.7	1.8	4.7	24	13.6	13.5	13.3	0.1	0.3						
9/7/99	24	19.7	18.4	15.9	1.3	3.8	24	13.5	13.4	13.3	0.1	0.2						
9/8/99	24	19.9	18.0	15.2	1.9	4.7	24	14.1	13.6	13.3	0.2	0.8						
9/9/99	24	16.8	15.0	14.1	0.8	2.7	24	13.9	13.7	13.5	0.1	0.4						
9/10/99	24	18.3	16.1	14.3	1.4	4.0	24	13.9	13.8	13.6	0.1	0.3						
9/11/99	24	18.9	18.5	17.8	0.3	1.1	24	13.9	13.8	13.6	0.1	0.3						
9/12/99	24	19.1	18.6	18.3	0.2	0.8	24	14.1	13.9	13.8	0.1	0.3						
9/13/99	24	18.1	16.8	15.1	1.1	3.0	24	13.9	13.8	13.8	0.1	0.1						
9/14/99	24	17.8	16.7	14.9	0.9	2.9	24	14.1	13.9	13.8	0.1	0.3						
9/15/99	24	18.6	17.8	15.1	1.1	3.5	24	13.9	13.9	13.8	0.1	0.1						
9/16/99	24	18.9	18.7	17.8	0.3	1.1	24	14.4	14.0	13.8	0.1	0.6						

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	MERLI						MERTR						LEWEA					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
9/17/99	24	18.9	17.9	14.9	1.2	4.0	24	14.3	14.1	14.1	0.1	0.2						
9/18/99	24	19.9	19.0	17.9	0.6	2.0	24	14.3	14.2	14.1	0.1	0.2						
9/19/99	24	20.2	19.4	18.7	0.5	1.5	24	14.3	14.3	14.3	0.0	0.0						
9/20/99	24	20.4	18.6	14.6	1.5	5.8	24	14.3	14.2	14.1	0.1	0.2						
9/21/99	24	19.1	14.7	12.1	1.7	7.0	24	14.3	14.2	14.1	0.1	0.2	Inaccessible - too shallow to launch boat					
9/22/99	24	14.6	14.3	14.0	0.2	0.6	24	14.3	14.2	14.1	0.1	0.2						
9/23/99	23	19.2	15.5	14.0	1.9	5.2	23	14.4	14.4	14.3	0.1	0.1						
9/24/99	24	18.9	17.5	14.4	1.7	4.5	24	14.4	14.4	14.3	0.1	0.1						
9/25/99							24	14.7	14.5	14.3	0.1	0.4						
9/26/99							24	14.7	14.6	14.6	0.1	0.1						
9/27/99							24	14.7	14.6	14.4	0.1	0.3						
9/28/99							24	14.9	14.7	14.6	0.1	0.3						
9/29/99							24	14.7	14.7	14.6	0.1	0.1						
9/30/99							24	15.0	14.9	14.7	0.1	0.3						
10/1/99							24	14.9	14.9	14.9	0.0	0.0						
10/2/99							24	15.0	14.9	14.9	0.0	0.1						
10/3/99							24	15.2	15.0	15.0	0.0	0.2						
10/4/99							24	15.2	15.1	15.0	0.1	0.2						
10/5/99							24	15.2	15.2	15.0	0.1	0.2						
10/6/99							24	15.4	15.2	15.2	0.1	0.2						
10/7/99							24	15.5	15.4	15.4	0.1	0.1						
10/8/99							24	15.5	15.5	15.4	0.0	0.1						
10/9/99							24	15.5	15.5	15.4	0.1	0.1						
10/10/99							24	15.5	15.5	15.4	0.1	0.1						
10/11/99							24	15.5	15.5	15.4	0.1	0.1						
10/12/99							24	15.5	15.4	15.4	0.1	0.1						
10/13/99							24	15.4	15.4	15.4	0.0	0.0						
10/14/99							24	15.4	15.3	15.2	0.1	0.2						
10/15/99							24	15.4	15.2	15.2	0.1	0.2						
10/16/99							24	15.2	15.2	15.0	0.1	0.2						
10/17/99							24	15.0	15.0	15.0	0.0	0.0						
10/18/99							24	15.2	15.1	15.0	0.1	0.2						
10/19/99							24	15.4	15.3	15.2	0.1	0.2						
10/20/99	10/21: New deployment						24	15.5	15.2	15.0	0.1	0.5	Inaccessible - too shallow to launch boat					
10/21/99	13	13.0	12.9	12.8	0.1	0.2	22	14.9	14.8	14.7	0.1	0.2						
10/22/99	24	13.0	12.8	12.6	0.1	0.4	24	14.7	14.6	14.6	0.1	0.1						
10/23/99	24	12.8	12.7	12.6	0.1	0.2	24	14.6	14.5	14.4	0.1	0.2						
10/24/99	24	12.6	12.6	12.5	0.1	0.1	24	14.4	14.3	14.3	0.1	0.1						
10/25/99	24	12.6	12.5	12.5	0.1	0.1	24	14.3	14.3	14.3	0.0	0.0						

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	MERLI						MERTR						LEWEA					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
10/26/99	24	12.5	12.4	12.2	0.1	0.3	24	14.1	14.1	14.1	0.0	0.0						
10/27/99	24	12.2	12.2	12.0	0.1	0.2	24	14.4	14.3	14.1	0.1	0.3						
10/28/99	24	12.0	11.8	11.6	0.2	0.4	24	14.4	14.2	14.1	0.1	0.3						
10/29/99	24	11.7	11.6	11.2	0.1	0.5	24	14.3	14.2	14.1	0.1	0.2						
10/30/99	24	11.9	11.7	11.7	0.0	0.2	24	14.1	13.9	13.6	0.2	0.5						
10/31/99	24	11.7	11.5	11.2	0.2	0.5	24	13.6	13.4	13.3	0.1	0.3						
11/1/99	24	11.4	11.3	11.2	0.1	0.2	24	13.6	13.4	13.2	0.2	0.4						
11/2/99	24	11.2	11.2	10.9	0.1	0.3	24	13.5	13.4	13.2	0.1	0.3						
11/3/99	24	11.1	11.0	10.8	0.1	0.3	24	13.3	13.1	12.9	0.1	0.4						
11/4/99	24	11.1	10.9	10.6	0.1	0.5	24	12.9	12.9	12.7	0.1	0.2						
11/5/99	24	10.9	10.6	10.3	0.2	0.6	24	12.7	12.7	12.6	0.1	0.1						
11/6/99	24	11.2	10.7	10.5	0.2	0.7	24	12.7	12.6	12.6	0.1	0.1						
11/7/99	24	10.6	10.3	10.2	0.1	0.4	24	12.7	12.6	12.6	0.1	0.1						
11/8/99	24	11.9	10.6	9.9	0.3	2.0	24	12.6	12.5	12.4	0.1	0.2						
11/9/99	24	10.6	10.5	10.3	0.1	0.3	24	12.7	12.6	12.6	0.1	0.1						
11/10/99	24	10.5	10.3	10.2	0.1	0.3	24	12.6	12.4	12.4	0.0	0.2						
11/11/99	24	10.5	10.3	9.9	0.2	0.6	24	12.4	12.4	12.4	0.0	0.0						
11/12/99	24	11.1	10.5	10.2	0.2	0.9	24	12.4	12.3	12.3	0.1	0.1						
11/13/99	24	10.5	10.2	10.0	0.1	0.5	24	12.3	12.1	12.1	0.0	0.2						
11/14/99	24	10.3	10.1	9.9	0.1	0.4	24	12.1	12.0	11.9	0.1	0.2						
11/15/99	24	10.5	10.1	9.4	0.4	1.1	24	12.1	11.9	11.9	0.0	0.2						
11/16/99	24	10.5	10.3	10.2	0.1	0.3	24	12.1	12.0	11.9	0.1	0.2						
11/17/99	24	10.3	10.1	10.0	0.1	0.3	24	11.9	11.8	11.8	0.1	0.1						
11/18/99	24	10.0	9.9	9.4	0.1	0.6	24	11.9	11.7	11.6	0.1	0.3						
11/19/99	24	10.0	10.0	9.7	0.1	0.3	24	12.3	12.1	11.9	0.1	0.4						
11/20/99	24	10.0	9.7	9.4	0.2	0.6	24	12.1	12.0	11.8	0.1	0.3						
11/21/99	24	9.5	9.4	9.1	0.1	0.4	24	11.8	11.7	11.6	0.1	0.2	Inaccessible - high flow					
11/22/99	24	9.4	9.3	8.6	0.2	0.8	24	11.6	11.5	11.5	0.1	0.1						
11/23/99	16	9.4	9.3	9.2	0.0	0.2	24	11.5	11.4	11.3	0.1	0.2						
11/24/99	24	9.3	9.2	9.0	0.1	0.3	24	11.3	11.2	11.2	0.1	0.1						
11/25/99	24	9.0	8.8	8.6	0.1	0.4	24	11.2	11.1	11.0	0.1	0.2						
11/26/99	24	8.9	8.7	8.6	0.1	0.3	24	11.0	10.9	10.9	0.0	0.1						
11/27/99	24	8.9	8.7	8.6	0.1	0.3	24	10.7	10.6	10.6	0.1	0.1						
11/28/99	24	8.9	8.8	8.7	0.1	0.2	24	10.6	10.5	10.4	0.1	0.2						
11/29/99	24	8.9	8.9	8.9	0.0	0.0	24	10.7	10.7	10.6	0.1	0.1						
11/30/99	24	8.9	8.7	8.6	0.1	0.3	24	10.7	10.5	10.2	0.2	0.5						
12/1/99	24	8.6	8.5	8.4	0.1	0.2	24	10.2	10.1	9.9	0.1	0.3						
12/2/99	24	8.4	8.2	7.9	0.2	0.5	24	9.9	9.8	9.6	0.1	0.3						
12/3/99	24	8.1	8.0	7.9	0.1	0.2	24	9.6	9.6	9.6	0.0	0.0						

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	MERLI						MERTR						LEWEA					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
12/4/99	24	8.1	8.0	7.9	0.1	0.2	24	9.9	9.7	9.6	0.1	0.3						
12/5/99	24	8.1	8.1	7.9	0.1	0.2	24	9.9	9.9	9.8	0.1	0.1						
12/6/99	24	7.9	7.8	7.8	0.1	0.1	24	9.8	9.6	9.5	0.1	0.3						
12/7/99	24	7.8	7.6	7.6	0.1	0.2	24	9.5	9.3	9.1	0.1	0.4						
12/8/99	24	7.6	7.6	7.6	0.0	0.0	24	9.1	9.1	9.0	0.1	0.1						
12/9/99	24	7.6	7.6	7.6	0.0	0.0	24	9.3	9.1	9.0	0.1	0.3						
12/10/99	24	7.5	7.4	7.3	0.1	0.2	24	9.0	8.9	8.7	0.1	0.3						
12/11/99	24	7.5	7.4	7.3	0.1	0.2	24	8.8	8.7	8.5	0.1	0.3						
12/12/99	24	7.5	7.3	7.0	0.1	0.5	24	8.5	8.5	8.4	0.1	0.1						
12/13/99	24	7.0	6.9	6.8	0.1	0.2	24	8.4	8.4	8.4	0.0	0.0						
12/14/99	24	7.2	6.9	6.8	0.1	0.4	24	8.4	8.2	8.2	0.0	0.2						
12/15/99	24	7.2	7.1	7.0	0.1	0.2	24	8.2	8.2	8.2	0.0	0.0						
12/16/99	24	7.3	7.2	7.2	0.1	0.1	24	8.2	8.2	8.2	0.0	0.0						
12/17/99	24	7.3	7.2	7.2	0.1	0.1	24	8.2	8.2	8.1	0.1	0.1						
12/18/99	24	7.2	7.0	6.8	0.1	0.4	24	8.1	8.0	7.9	0.1	0.2						
12/19/99	24	7.0	7.0	6.8	0.1	0.2	24	7.9	7.8	7.8	0.0	0.1						
12/20/99	24	7.0	6.9	6.8	0.1	0.2	23	7.8	7.8	7.8	0.0	0.0	Inaccessible - high flow					
12/21/99	24	6.8	6.8	6.7	0.1	0.1	24	7.8	7.8	7.8	0.0	0.0						
12/22/99	24	6.8	6.8	6.7	0.1	0.1	24	7.8	7.7	7.6	0.1	0.2						
12/23/99	24	6.7	6.7	6.7	0.0	0.0	24	7.8	7.7	7.6	0.1	0.2						
12/24/99	24	6.7	6.5	6.5	0.0	0.2	24	7.8	7.8	7.8	0.0	0.0						
12/25/99	24	6.5	6.4	6.4	0.0	0.1	24	7.8	7.6	7.6	0.0	0.2						
12/26/99	24	6.4	6.2	6.2	0.0	0.2	24	7.6	7.5	7.5	0.1	0.1						
12/27/99	24	6.2	6.2	6.2	0.0	0.0	24	7.5	7.5	7.5	0.0	0.0						
12/28/99	24	6.1	6.1	6.1	0.0	0.0	24	7.5	7.3	7.3	0.0	0.2						
12/29/99	24	5.9	5.9	5.9	0.0	0.0	24	7.3	7.2	7.2	0.1	0.1						
12/30/99	24	5.9	5.8	5.8	0.0	0.1	24	7.2	7.0	6.8	0.1	0.4						
12/31/99	24	5.8	5.8	5.8	0.0	0.0	24	6.8	6.7	6.7	0.1	0.1						
1/1/00	24	5.8	5.8	5.8	0.0	0.0	24	6.7	6.6	6.5	0.1	0.2						
1/2/00	24	5.6	5.6	5.6	0.0	0.0	24	6.5	6.4	6.4	0.1	0.1						
1/3/00	24	5.6	5.6	5.6	0.0	0.0	24	6.4	6.3	6.2	0.1	0.2						
1/4/00	24	5.6	5.6	5.6	0.0	0.0	24	6.2	6.2	6.2	0.0	0.0						
1/5/00	24	5.6	5.6	5.4	0.0	0.2	24	6.2	6.2	6.2	0.0	0.0						
1/6/00	24	5.4	5.4	5.3	0.1	0.1	24	6.2	6.2	6.2	0.0	0.0						
1/7/00	24	5.6	5.5	5.4	0.1	0.2	24	6.2	6.2	6.2	0.0	0.0						
1/8/00	24	5.9	5.6	5.4	0.1	0.5	24	6.2	6.1	6.1	0.1	0.1						
1/9/00	24	5.6	5.5	5.4	0.1	0.2	24	6.1	6.1	6.1	0.0	0.0						
1/10/00	24	5.4	5.3	5.3	0.1	0.1	24	6.1	6.1	6.1	0.0	0.0						
1/11/00	24	5.3	5.2	5.1	0.1	0.2	24	6.1	6.0	5.9	0.1	0.2						

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	MERLI						MERTR						LEWEA					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
1/12/00	24	5.1	5.1	5.1	0.0	0.0	24	5.9	5.9	5.9	0.0	0.0						
1/13/00	24	5.1	5.1	5.0	0.0	0.1	24	5.9	5.9	5.9	0.0	0.0						
1/14/00	24	5.3	5.2	5.1	0.1	0.2	24	5.9	5.9	5.9	0.0	0.0						
1/15/00	24	5.1	5.1	5.1	0.0	0.0	24	5.9	5.9	5.8	0.0	0.1						
1/16/00	24	5.1	5.1	5.1	0.0	0.0	24	5.9	5.8	5.8	0.1	0.1						
1/17/00	24	5.1	5.1	5.1	0.0	0.0	24	5.9	5.8	5.8	0.1	0.1						
1/18/00	24	5.0	5.0	5.0	0.0	0.0	24	5.8	5.8	5.8	0.0	0.0						
1/19/00	24	5.0	5.0	5.0	0.0	0.0	24	5.8	5.8	5.8	0.0	0.0						
1/20/00	24	5.1	5.0	5.0	0.0	0.1	24	5.8	5.8	5.8	0.0	0.0						
1/21/00	24	5.1	5.0	5.0	0.0	0.1	24	5.8	5.8	5.8	0.0	0.0						
1/22/00	24	5.1	5.0	5.0	0.1	0.1	24	5.8	5.8	5.8	0.0	0.0						
1/23/00	24	5.0	4.9	4.8	0.1	0.2	24	5.8	5.6	5.6	0.0	0.2						
1/24/00	24	4.8	4.8	4.7	0.1	0.1	24	5.6	5.6	5.6	0.0	0.0						
1/25/00	24	4.8	4.8	4.8	0.0	0.0	24	5.6	5.6	5.6	0.0	0.0						
1/26/00	23	4.8	4.8	4.8	0.0	0.0	23	5.6	5.6	5.4	0.1	0.2	Inaccessible - high flow					
1/27/00	24	4.8	4.7	4.7	0.1	0.1	24	5.4	5.4	5.4	0.0	0.0						
1/28/00	24	4.7	4.7	4.7	0.0	0.0	24	5.4	5.4	5.4	0.0	0.0						
1/29/00	24	4.7	4.6	4.5	0.1	0.2	24	5.4	5.4	5.3	0.1	0.1						
1/30/00	24	4.5	4.4	4.0	0.1	0.5	24	5.3	5.3	5.3	0.0	0.0						
1/31/00	24	4.5	4.5	4.3	0.1	0.2	24	5.3	5.3	5.3	0.0	0.0						
2/1/00	24	4.8	4.7	4.5	0.1	0.3	24	5.3	5.3	5.3	0.0	0.0						
2/2/00	24	5.3	4.9	4.8	0.1	0.5	24	5.3	5.3	5.3	0.0	0.0						
2/3/00	24	5.8	5.3	4.8	0.4	1.0	24	5.3	5.3	5.3	0.0	0.0						
2/4/00	24	4.8	4.7	4.7	0.1	0.1	24	5.3	5.3	5.3	0.0	0.0						
2/5/00	24	5.1	4.9	4.8	0.1	0.3	24	5.3	5.3	5.3	0.0	0.0						
2/6/00	24	5.1	5.0	5.0	0.1	0.1	24	5.3	5.3	5.3	0.0	0.0						
2/7/00	24	6.1	5.2	5.0	0.3	1.1	24	5.3	5.3	5.3	0.0	0.0						
2/8/00	24	5.4	5.1	5.0	0.1	0.4	24	5.3	5.3	5.3	0.0	0.0						
2/9/00	24	5.4	5.0	4.8	0.1	0.6	24	5.3	5.3	5.3	0.0	0.0						
2/10/00	24	5.1	4.9	4.7	0.1	0.4	24	5.3	5.3	5.1	0.0	0.2						
2/11/00	24	5.0	4.8	4.8	0.0	0.2	24	5.3	5.2	5.1	0.1	0.2						
2/12/00	24	5.0	4.9	4.8	0.1	0.2	24	5.3	5.3	5.1	0.1	0.2						
2/13/00	24	4.8	4.8	4.8	0.0	0.0	24	5.3	5.3	5.1	0.1	0.2						
2/14/00	24	4.8	4.8	4.8	0.0	0.0	24	5.3	5.2	5.1	0.1	0.2						
2/15/00	24	5.0	4.8	4.8	0.0	0.2	24	5.3	5.2	5.1	0.1	0.2						
2/16/00	24	4.8	4.7	4.7	0.1	0.1	24	5.3	5.2	5.1	0.1	0.2						
2/17/00	24	4.8	4.7	4.7	0.1	0.1	24	5.3	5.2	5.1	0.1	0.2						
2/18/00	24	4.7	4.7	4.7	0.0	0.0	24	5.3	5.1	5.1	0.1	0.2						
2/19/00	24	4.8	4.7	4.7	0.1	0.1	24	5.3	5.2	5.1	0.1	0.2						

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	MERLI						MERTR						LEWEA					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
2/20/00	24	4.8	4.7	4.7	0.1	0.1	24	5.3	5.2	5.1	0.1	0.2						
2/21/00	24	5.0	4.8	4.7	0.1	0.3	24	5.3	5.3	5.3	0.0	0.0	Inaccessible - too deep					
2/22/00	24	5.1	4.8	4.8	0.1	0.3	24	5.3	5.3	5.3	0.0	0.0						
2/23/00	23	5.1	4.9	4.8	0.1	0.3	22	5.3	5.3	5.3	0.0	0.0						
2/24/00	24	5.0	4.9	4.8	0.1	0.2	24	5.3	5.3	5.3	0.0	0.0						
2/25/00	24	4.8	4.8	4.7	0.1	0.1	24	5.4	5.3	5.3	0.1	0.1						
2/26/00	24	4.8	4.8	4.8	0.0	0.0	24	5.3	5.3	5.3	0.0	0.0						
2/27/00	24	5.0	4.9	4.8	0.1	0.2	24	5.3	5.3	5.3	0.0	0.0						
2/28/00	24	5.1	5.0	5.0	0.1	0.1	24	5.3	5.3	5.3	0.0	0.0						
2/29/00	24	5.0	4.9	4.8	0.1	0.2	24	5.3	5.3	5.3	0.0	0.0						
3/1/00	24	4.8	4.8	4.7	0.1	0.1	24	5.3	5.3	5.3	0.0	0.0						
3/2/00	24	5.3	4.9	4.8	0.1	0.5	24	5.4	5.3	5.3	0.1	0.1						
3/3/00	24	5.1	5.0	4.8	0.1	0.3	24	5.4	5.4	5.3	0.1	0.1						
3/4/00	24	5.6	5.1	5.0	0.1	0.6	24	5.4	5.3	5.3	0.1	0.1						
3/5/00	24	5.3	5.0	4.8	0.1	0.5	24	5.4	5.3	5.3	0.1	0.1						
3/6/00	24	4.8	4.8	4.7	0.1	0.1	24	5.4	5.3	5.3	0.1	0.1						
3/7/00	24	5.0	4.8	4.7	0.1	0.3	24	5.4	5.3	5.3	0.1	0.1						
3/8/00	24	5.0	4.9	4.8	0.1	0.2	24	5.4	5.4	5.3	0.1	0.1						
3/9/00	24	5.1	5.0	5.0	0.1	0.1	24	5.4	5.3	5.3	0.1	0.1						
3/10/00	24	5.1	5.0	5.0	0.1	0.1	24	5.6	5.4	5.3	0.1	0.3						
3/11/00	24	5.6	5.2	5.1	0.2	0.5	24	5.4	5.3	5.3	0.1	0.1						
3/12/00	24	5.6	5.5	5.4	0.1	0.2	24	5.4	5.4	5.3	0.0	0.1						
3/13/00	24	5.8	5.4	5.3	0.2	0.5	24	5.6	5.5	5.3	0.1	0.3						
3/14/00	24	5.9	5.3	5.1	0.2	0.8	24	5.3	5.3	5.3	0.0	0.0						
3/15/00	24	5.3	5.1	5.0	0.1	0.3	24	5.4	5.3	5.3	0.1	0.1						
3/16/00	24	5.6	5.4	5.3	0.1	0.3	24	5.4	5.3	5.1	0.1	0.3						
3/17/00	24	5.3	5.2	5.0	0.1	0.3	24	5.3	5.3	5.3	0.0	0.0						
3/18/00	24	5.6	5.3	5.1	0.2	0.5	24	5.3	5.3	5.3	0.0	0.0						
3/19/00	24	5.8	5.4	5.3	0.1	0.5	24	5.3	5.3	5.3	0.0	0.0						
3/20/00	24	5.3	5.2	5.1	0.1	0.2	24	5.3	5.3	5.3	0.0	0.0						
3/21/00	24	5.6	5.5	5.3	0.1	0.3	24	5.3	5.3	5.3	0.0	0.0	Inaccessible - too deep					
3/22/00	23	5.8	5.7	5.6	0.1	0.2	23	5.3	5.3	5.3	0.0	0.0						
3/23/00	24	5.9	5.7	5.4	0.1	0.5	24	5.3	5.3	5.3	0.0	0.0						
3/24/00	24	5.8	5.5	5.4	0.1	0.4	24	5.4	5.3	5.3	0.1	0.1						
3/25/00	24	5.9	5.8	5.8	0.0	0.1	24	5.3	5.3	5.3	0.0	0.0						
3/26/00	24	6.5	6.2	5.8	0.2	0.7	24	5.4	5.3	5.3	0.1	0.1						
3/27/00	24	6.8	6.4	6.1	0.3	0.7	24	5.4	5.4	5.3	0.1	0.1						
3/28/00	24	6.1	5.9	5.6	0.2	0.5	24	5.4	5.4	5.3	0.1	0.1						
3/29/00	24	5.6	5.6	5.4	0.1	0.2	24	5.4	5.3	5.3	0.0	0.1						

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	MERLI						MERTR						LEWEA					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
3/30/00	24	6.1	5.8	5.6	0.2	0.5	24	5.4	5.4	5.3	0.0	0.1						
3/31/00	24	6.4	6.2	6.1	0.1	0.3	24	5.4	5.4	5.3	0.1	0.1						
4/1/00	24	7.2	6.5	6.4	0.3	0.8	24	5.6	5.5	5.4	0.1	0.2						
4/2/00	24	8.6	7.6	6.7	0.6	1.9	24	5.6	5.4	5.4	0.0	0.2						
4/3/00	24	8.2	7.7	7.3	0.3	0.9	24	5.6	5.5	5.4	0.1	0.2						
4/4/00	24	7.6	7.0	6.2	0.6	1.4	24	5.6	5.5	5.4	0.1	0.2						
4/5/00	24	6.5	6.3	6.1	0.1	0.4	24	5.6	5.4	5.4	0.0	0.2						
4/6/00	24	6.5	6.3	6.2	0.1	0.3	24	5.8	5.6	5.4	0.1	0.4						
4/7/00	24	7.6	6.8	6.4	0.4	1.2	24	5.6	5.5	5.4	0.0	0.2						
4/8/00	24	7.6	7.6	7.6	0.0	0.0	24	5.8	5.6	5.4	0.1	0.4						
4/9/00	24	7.8	7.7	7.6	0.1	0.2	24	5.6	5.5	5.4	0.1	0.2						
4/10/00	24	8.2	7.6	7.2	0.3	1.0	24	5.6	5.5	5.4	0.1	0.2						
4/11/00	24	8.1	7.5	7.2	0.3	0.9	24	5.9	5.7	5.6	0.1	0.3						
4/12/00	24	8.4	8.0	7.8	0.2	0.6	24	5.6	5.6	5.6	0.0	0.0						
4/13/00	24	9.5	8.3	7.3	0.6	2.2	24	5.6	5.6	5.6	0.0	0.0						
4/14/00	24	7.6	7.2	7.0	0.2	0.6	24	5.9	5.7	5.6	0.1	0.3						
4/15/00	24	7.5	7.2	6.8	0.3	0.7	24	5.9	5.9	5.8	0.0	0.1						
4/16/00	24	8.1	7.7	7.5	0.3	0.6	24	5.9	5.9	5.8	0.1	0.1						
4/17/00	24	8.6	8.1	7.6	0.3	1.0	24	5.9	5.9	5.8	0.1	0.1						
4/18/00	24	8.9	8.4	8.1	0.2	0.8	24	6.1	6.0	5.9	0.1	0.2						
4/19/00	23	8.1	7.9	7.5	0.2	0.6	7	6.2	6.0	5.9	0.1	0.3	Inaccessible - too deep					
4/20/00	24	8.2	7.9	7.8	0.2	0.4												
4/21/00	24	8.7	8.4	7.9	0.2	0.8												
4/22/00	24	8.4	8.0	7.8	0.2	0.6												
4/23/00	24	8.1	7.9	7.8	0.1	0.3												
4/24/00	24	9.2	8.4	7.8	0.4	1.4												
4/25/00	24	8.9	8.6	8.4	0.2	0.5												
4/26/00	24	8.9	8.5	8.1	0.3	0.8												
4/27/00	24	9.2	8.8	8.6	0.2	0.6												
4/28/00	24	8.7	8.3	8.1	0.2	0.6												
4/29/00	24	8.1	8.1	8.1	0.0	0.0												
4/30/00	24	10.3	8.4	7.8	0.9	2.5												
5/1/00	24	10.7	9.3	8.7	0.8	2.0												
5/2/00	24	9.0	8.7	8.7	0.1	0.3												
5/3/00	24	8.9	8.6	8.6	0.1	0.3												
5/4/00	24	8.9	8.6	8.2	0.2	0.7												
5/5/00	24	8.9	8.8	8.7	0.1	0.2												
5/6/00	24	9.3	8.8	8.2	0.4	1.1												
5/7/00	24	9.5	9.1	8.6	0.3	0.9												

WAQ1 Appendix 1. Daily summary of water temperature (°C) at Lewis River monitoring stations, 1998-2000.

Date	MERLI						MERTR						LEWEA					
	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta	N	Max	Mean	Min	SD	Delta
5/8/00	24	10.1	9.2	8.9	0.4	1.2												
5/9/00	24	8.9	8.7	8.4	0.2	0.5												
5/10/00	24	8.6	8.1	8.1	0.1	0.5												
5/11/00	24	8.6	8.3	7.9	0.2	0.7												
5/12/00	24	9.0	8.7	8.4	0.3	0.6												
5/13/00	24	9.6	9.1	8.6	0.3	1.0												
5/14/00	24	9.3	9.2	8.9	0.2	0.4												
5/15/00	24	9.5	9.1	9.0	0.2	0.5												
5/16/00	24	9.0	8.9	8.7	0.1	0.3												
5/17/00	24	8.9	8.7	8.6	0.1	0.3												
5/18/00	24	9.8	9.3	8.9	0.3	0.9												
5/19/00	24	9.3	9.3	9.2	0.1	0.1												
5/20/00	24	10.6	9.8	9.3	0.3	1.3												
5/21/00	24	10.4	9.8	9.6	0.2	0.8												
5/22/00	24	9.9	9.6	9.3	0.2	0.6												
5/23/00	24	10.4	9.8	9.5	0.2	0.9												
5/24/00	24	10.6	9.9	9.2	0.4	1.4												
5/25/00	24	9.9	9.7	9.2	0.2	0.7												
5/26/00	24	10.6	10.2	9.8	0.3	0.8												
5/27/00	24	10.4	9.9	9.5	0.3	0.9												
5/28/00	24	10.4	9.9	9.6	0.3	0.8												
5/29/00	24	10.4	10.2	10.1	0.1	0.3												
5/30/00	24	13.2	10.5	9.6	1.1	3.6												
5/31/00	13	10.3	9.9	9.8	0.2	0.5												