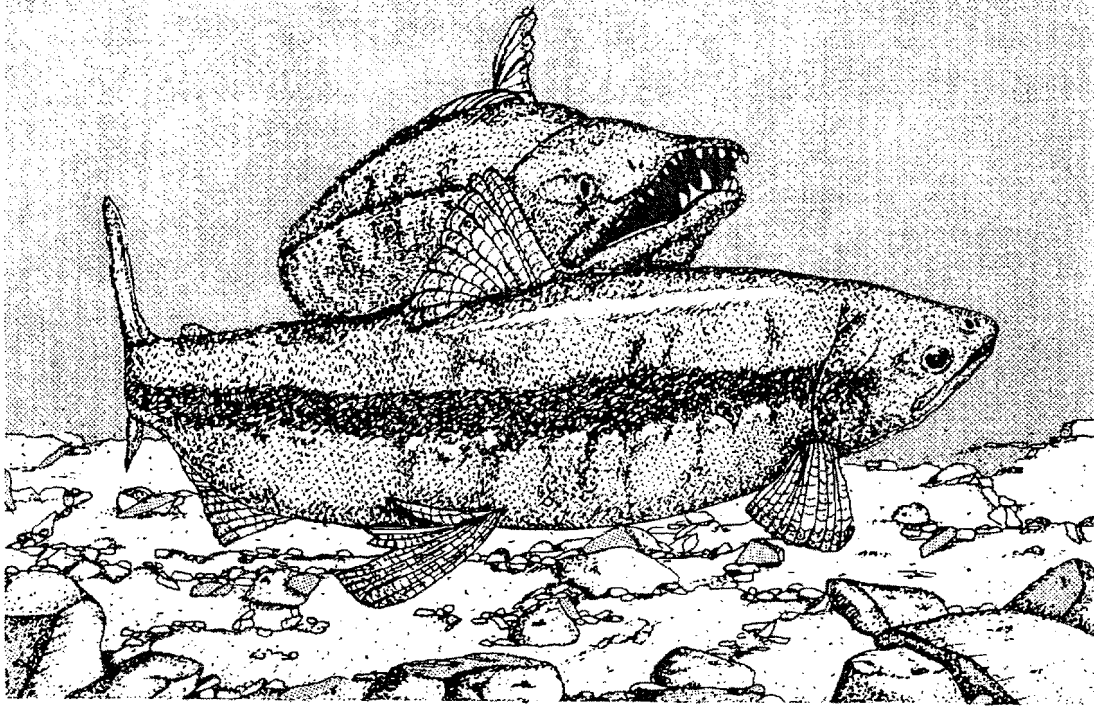
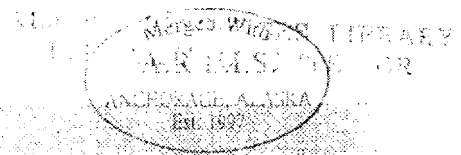




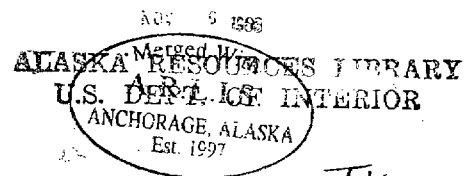
SUSITNA HYDRO AQUATIC STUDIES
PHASE II BASIC DATA REPORT

Volume 4: Aquatic Habitat and
Instream Flow Studies, 1982.

Appendices A - C



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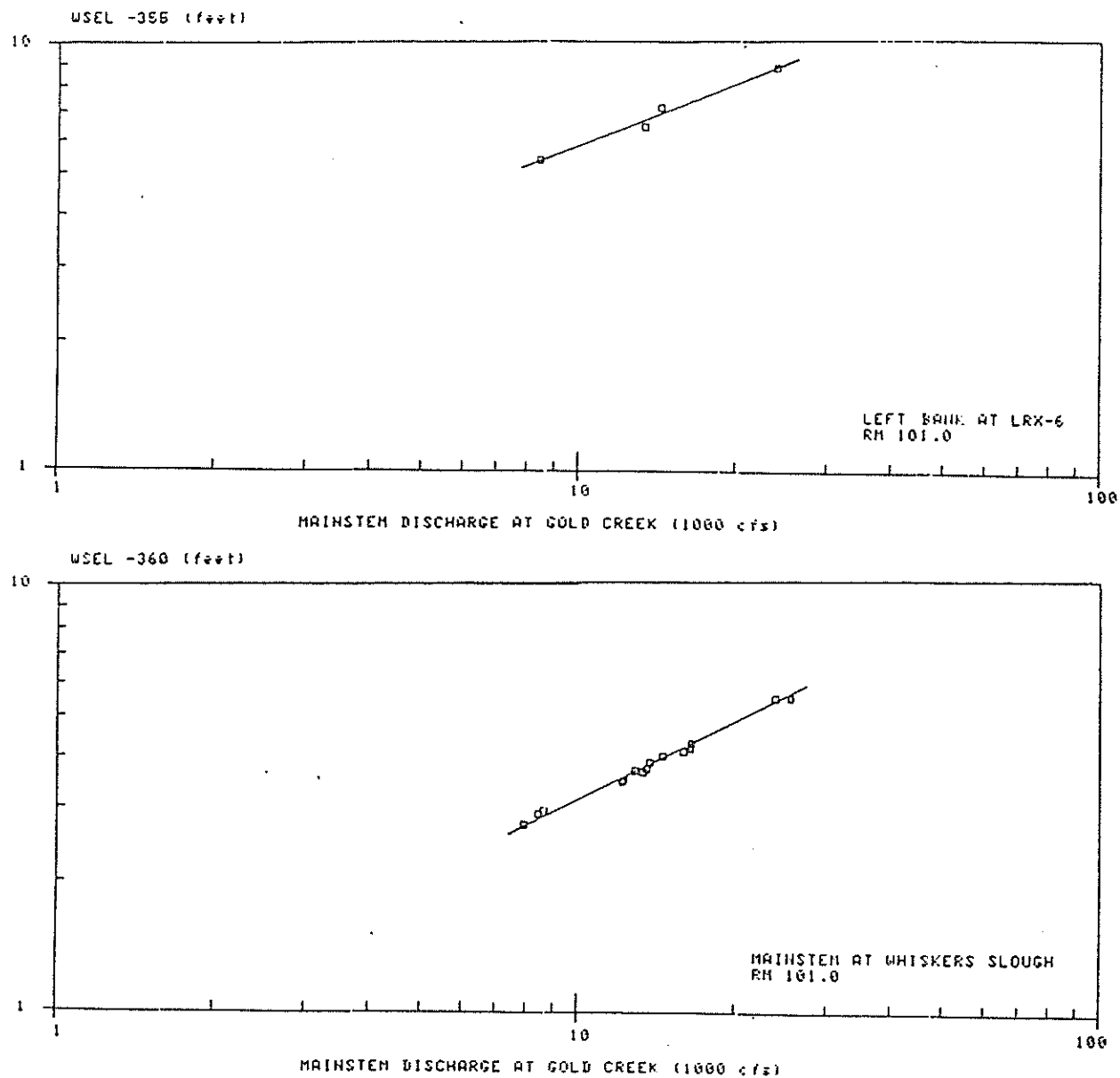
Volume 4: Aquatic Habitat and
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Appendices A - C

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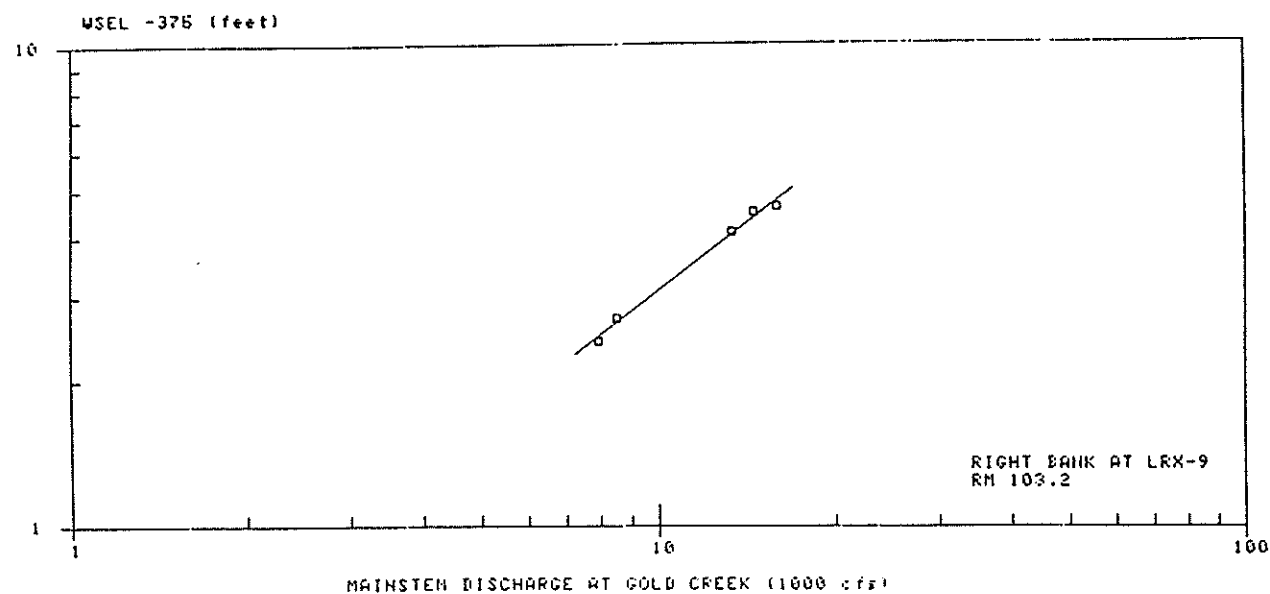
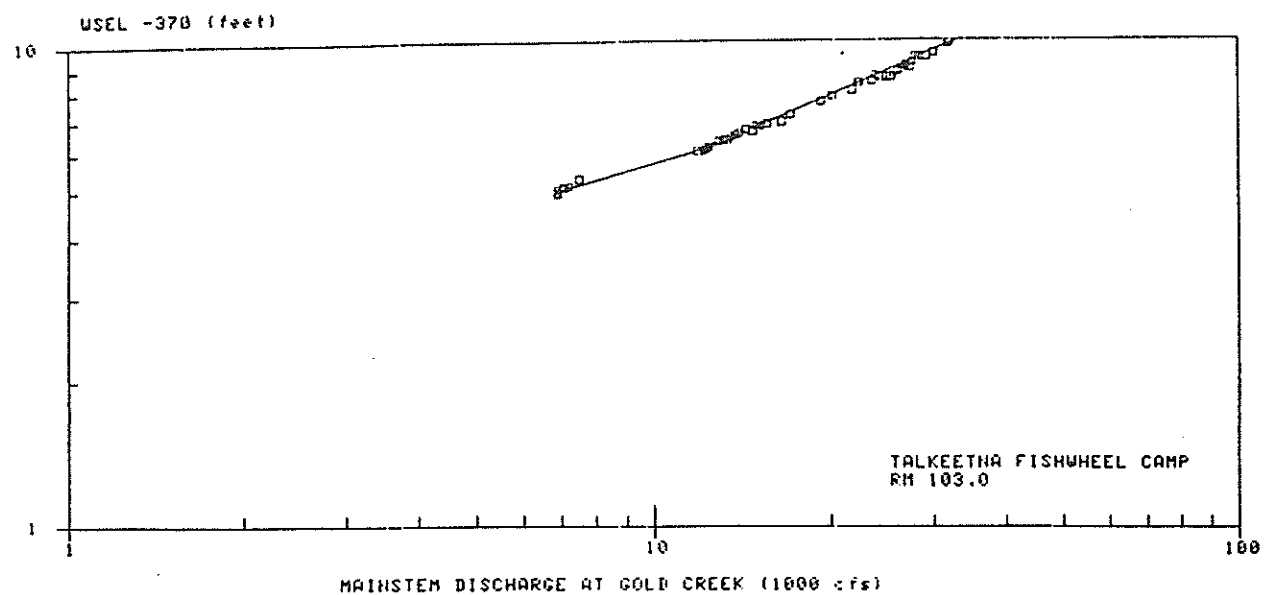
ALASKA DEPARTMENT OF FISH AND GAME
Susitna Hydro Aquatic Studies
2207 Spenard Road
Anchorage, Alaska 99503
1983

4-A-1



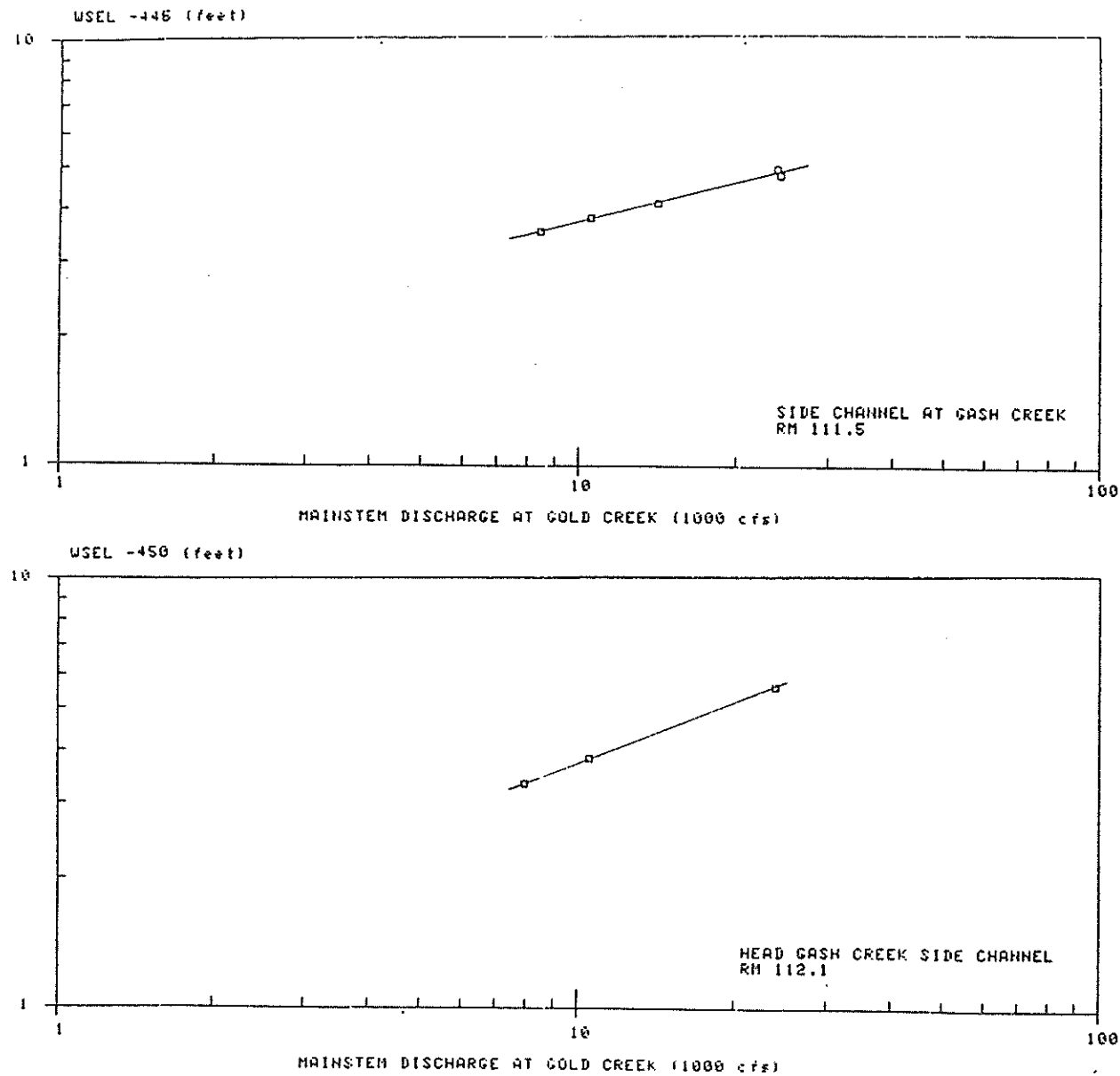
Appendix Figure 4-A-1 Mainstem discharge versus mainstem water surface elevation at left bank of LRX-6 and Whiskers Creek/Slough.

4-A-2



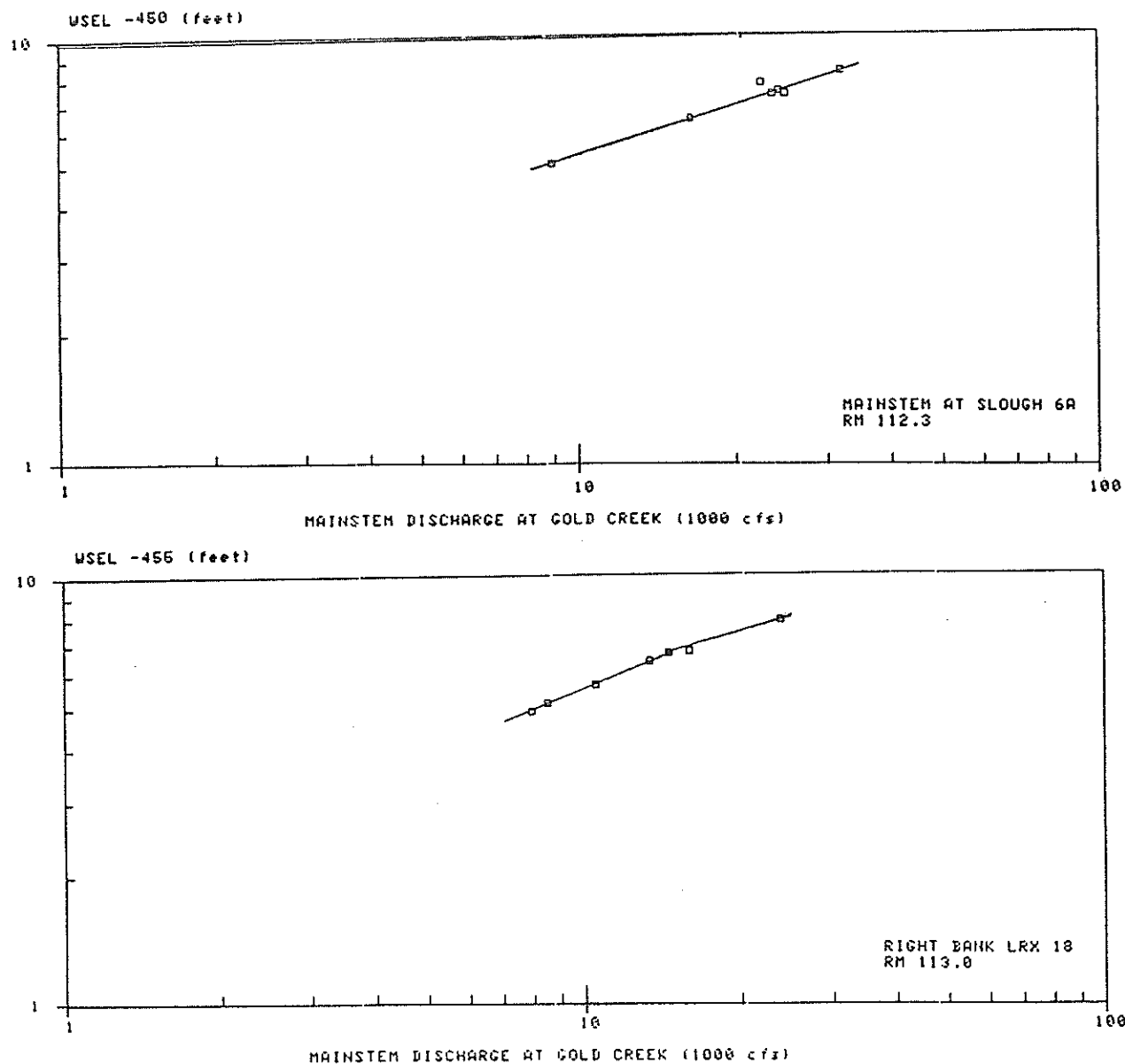
Appendix Figure 4-A-2 Mainstem discharge versus mainstem water surface elevation at Talkeetna Fishwheel Camp and right bank of LRX-9.

4-A-3



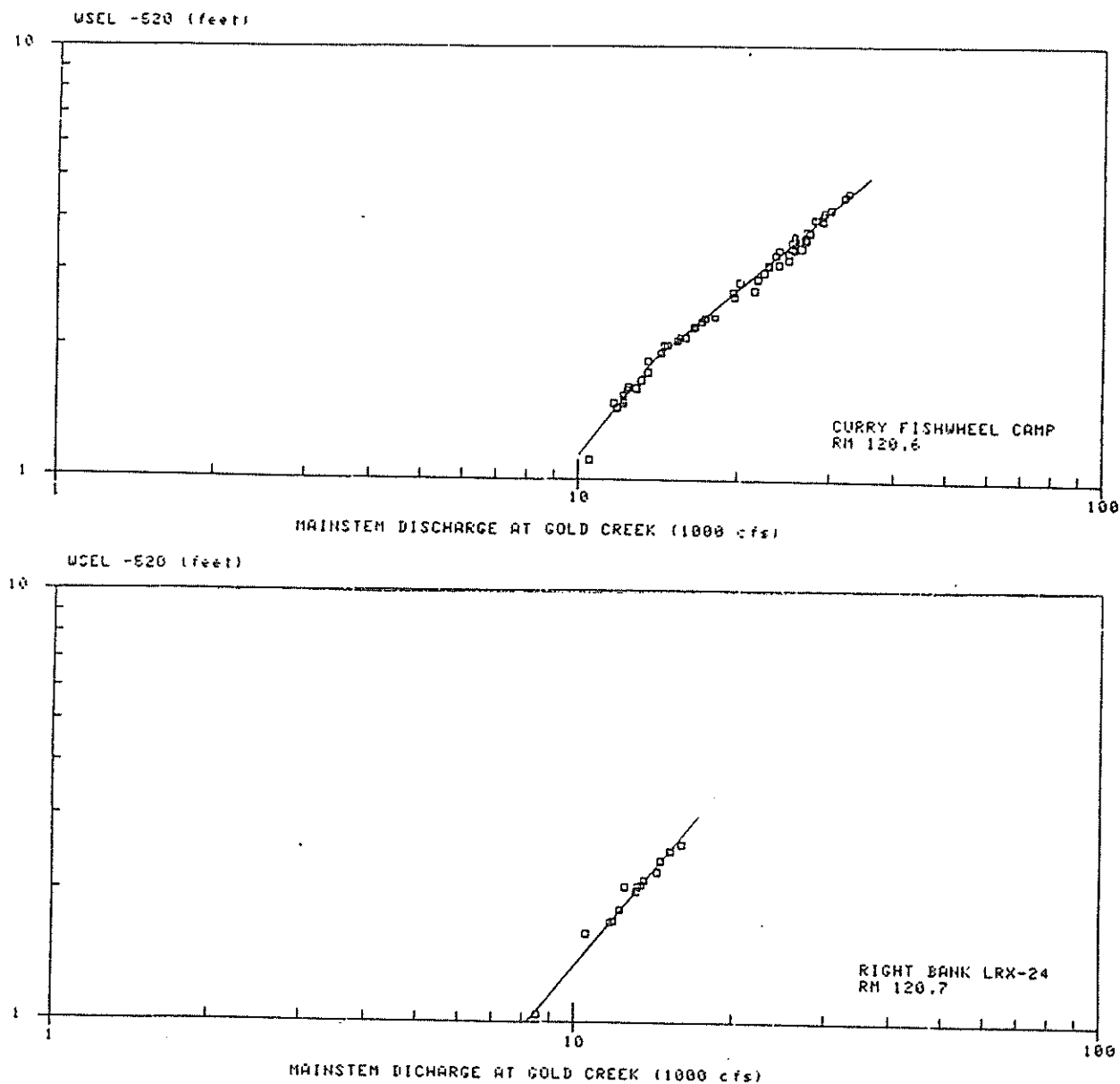
Appendix Figure 4-A-3 Mainstem discharge versus mainstem water surface elevation at Side Channel at Gash Creek and head of Gash Creek side Channel.

4-A-4



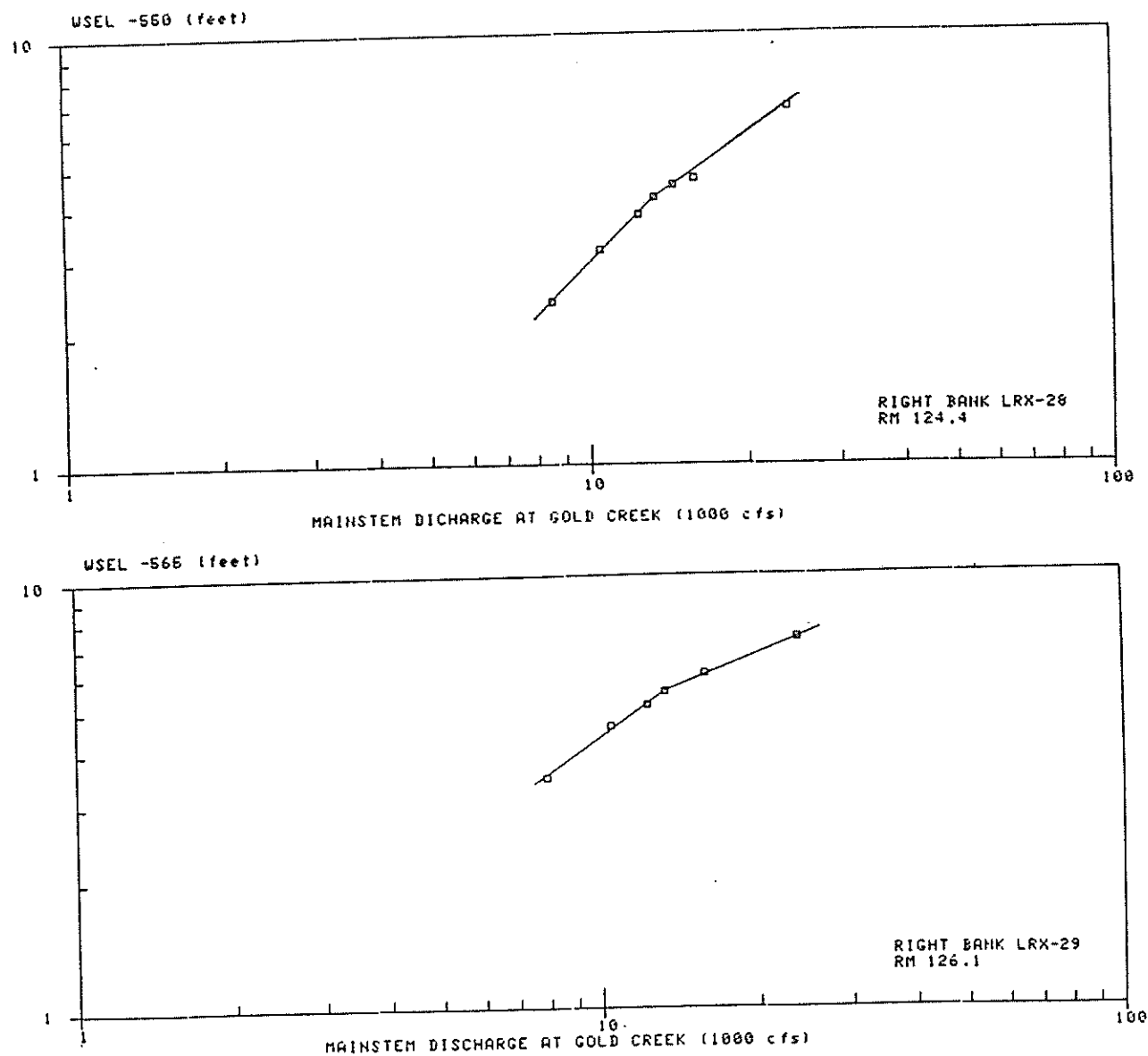
Appendix Figure 4-A-4 Mainstem discharge versus mainstem water surface elevation at Slough 6A and right bank LRX-18.

4-A-5



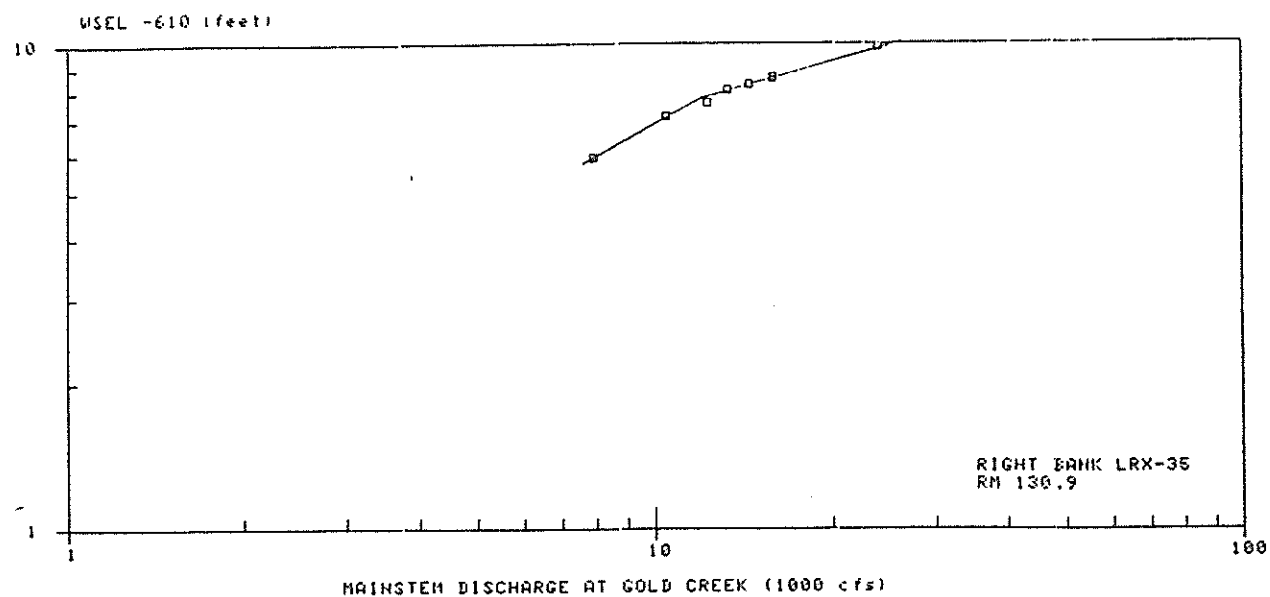
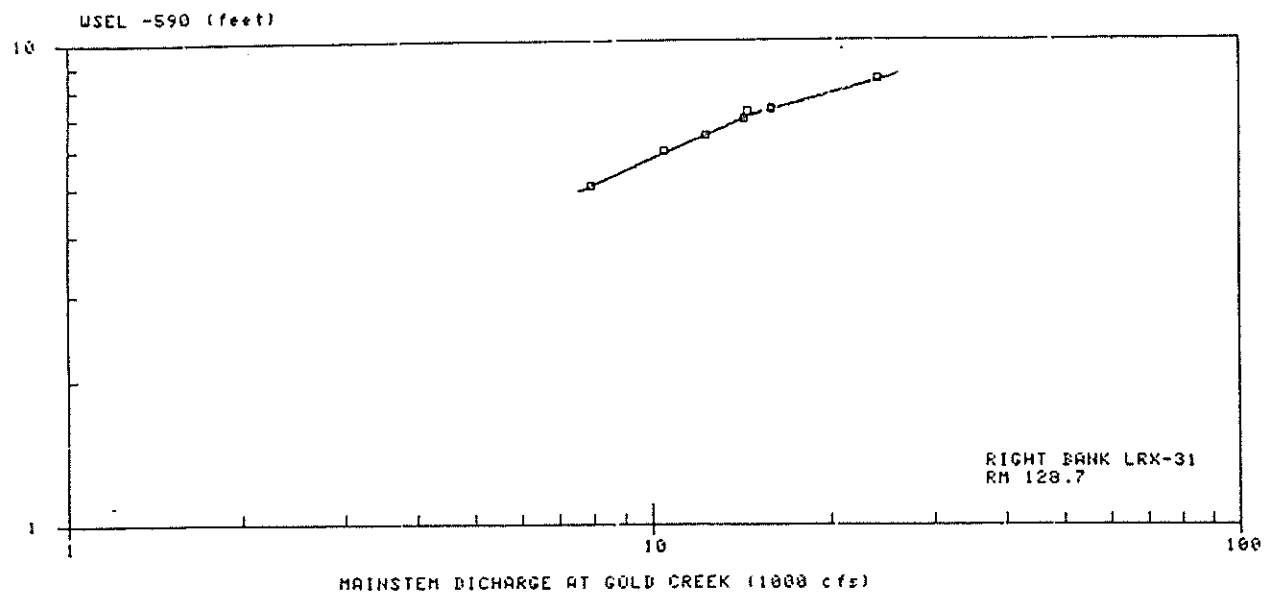
Appendix Figure 4-A-5 Mainstem discharge versus mainstem water surface elevation at Curry Fishwheel Camp and right bank LRX-24.

4-A-6



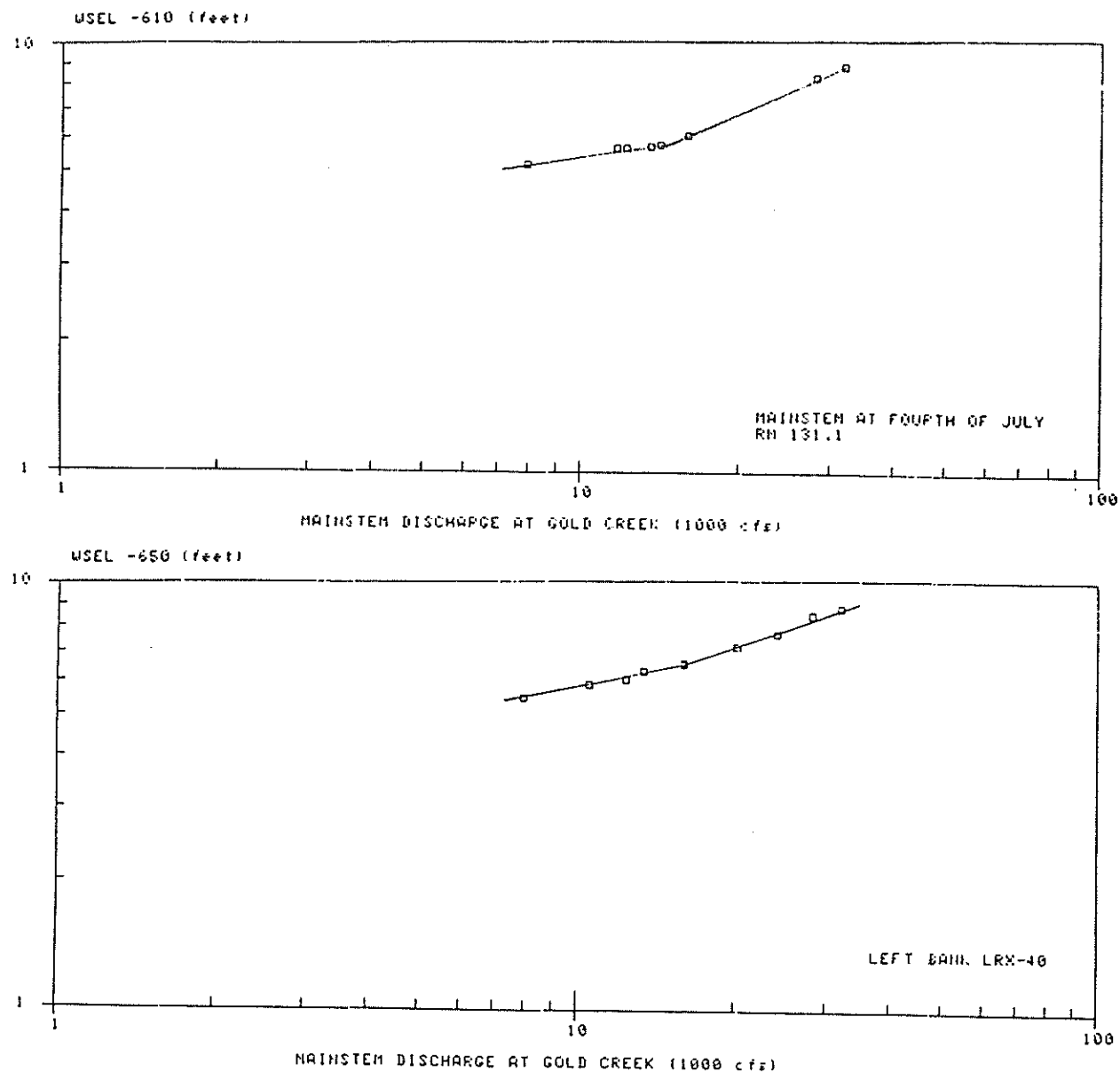
Appendix Figure 4-A-6 Mainstem discharge versus mainstem water surface elevation at right bank of LRX-28 and right bank of LRX-29.

4-A-7



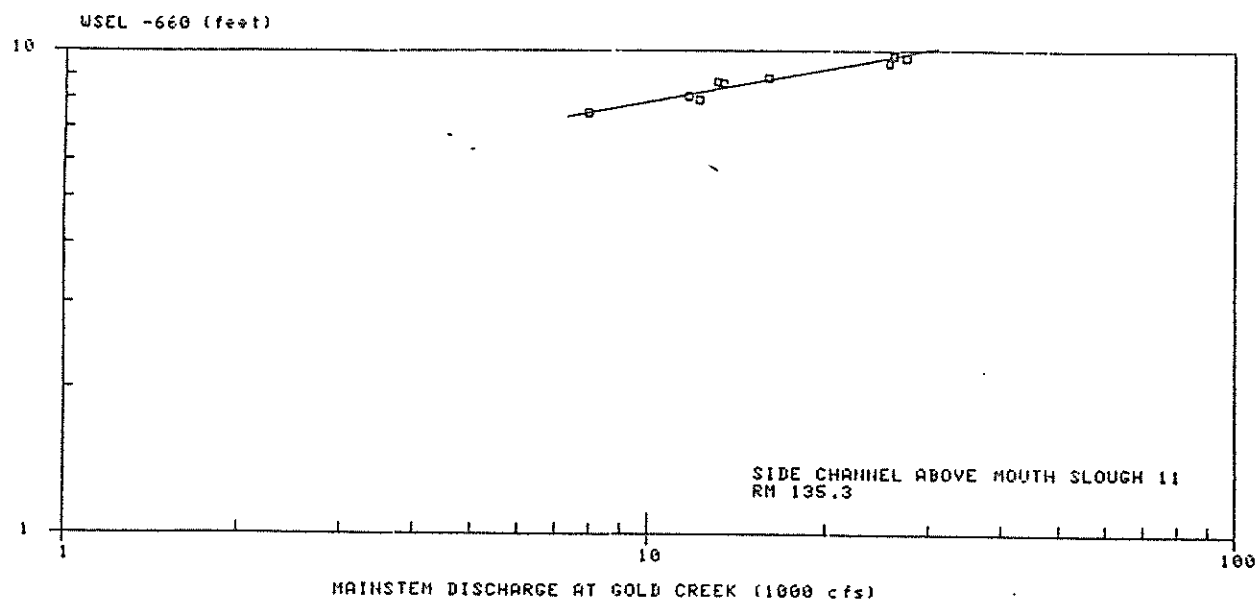
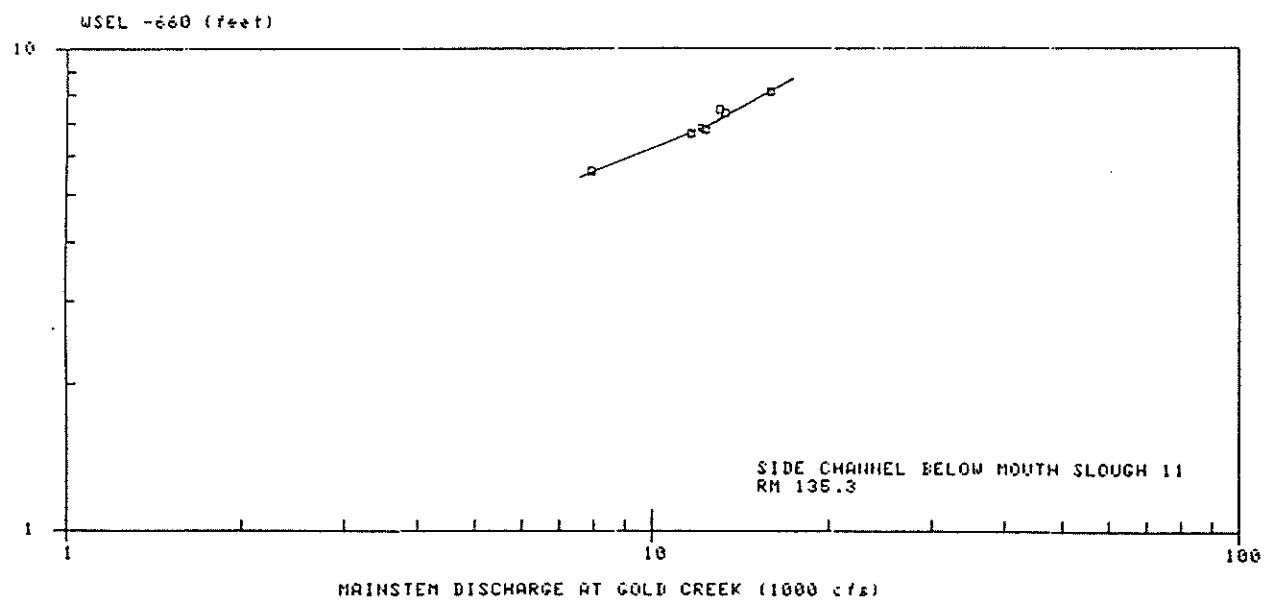
Appendix Figure 4-A-7 Mainstem discharge versus mainstem water surface elevation at right bank of LRX-31 and right bank of LRX-35.

4-A-8



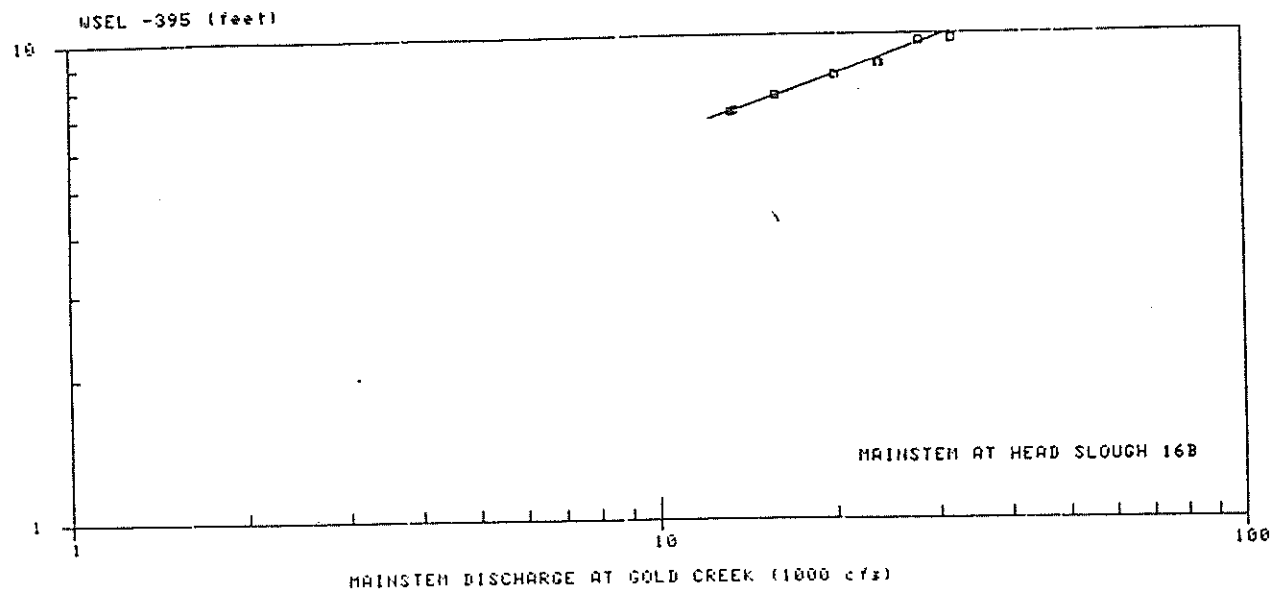
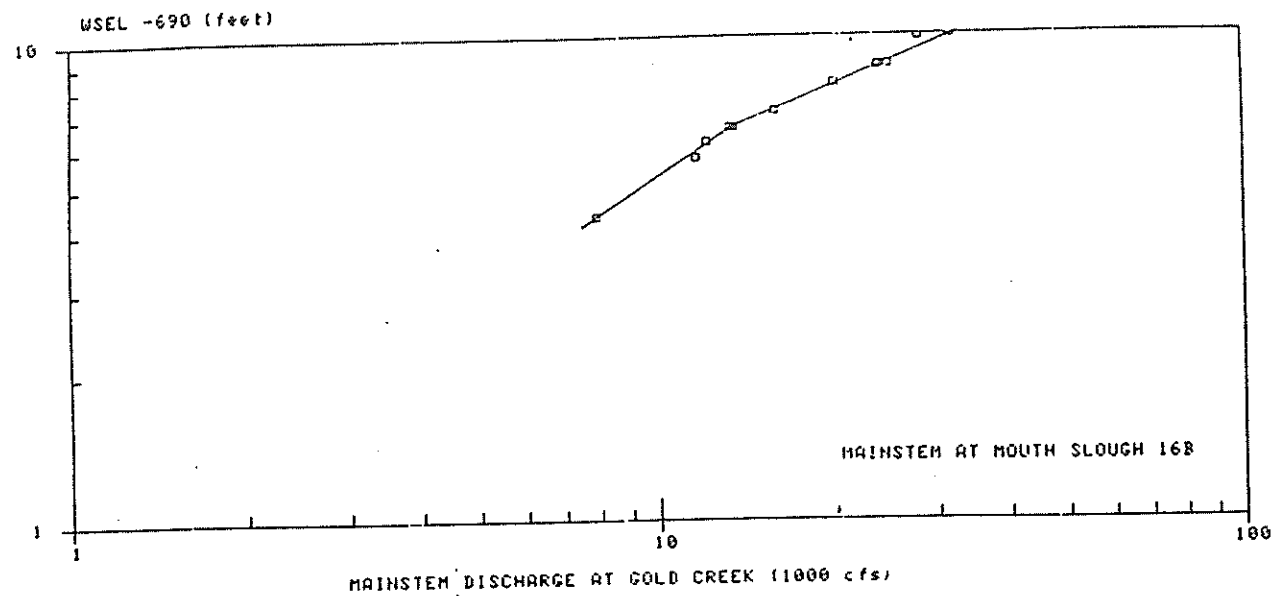
Appendix Figure 4-A-8 Mainstem discharge versus mainstem water surface elevation at Fourth of July Creek and left bank of LRX-40.

4-A-9



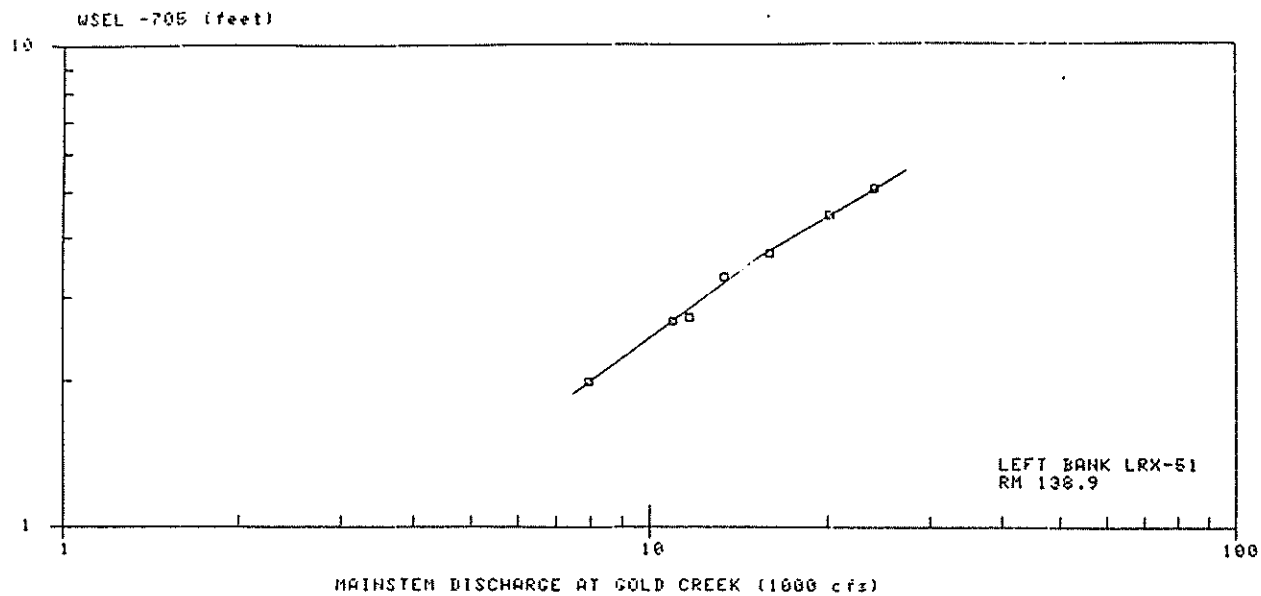
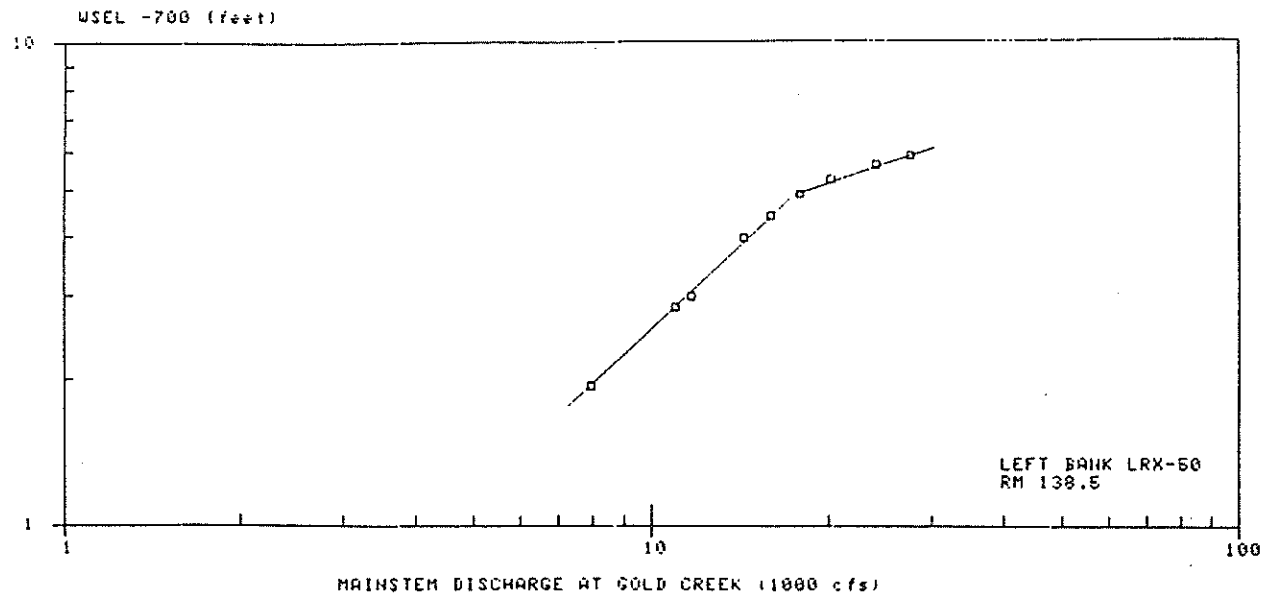
Appendix Figure 4-A-9 Mainstem discharge versus mainstem water surface elevation at side channel below mouth of Slough 11 and side channel above mouth of Slough 11.

4-A-10



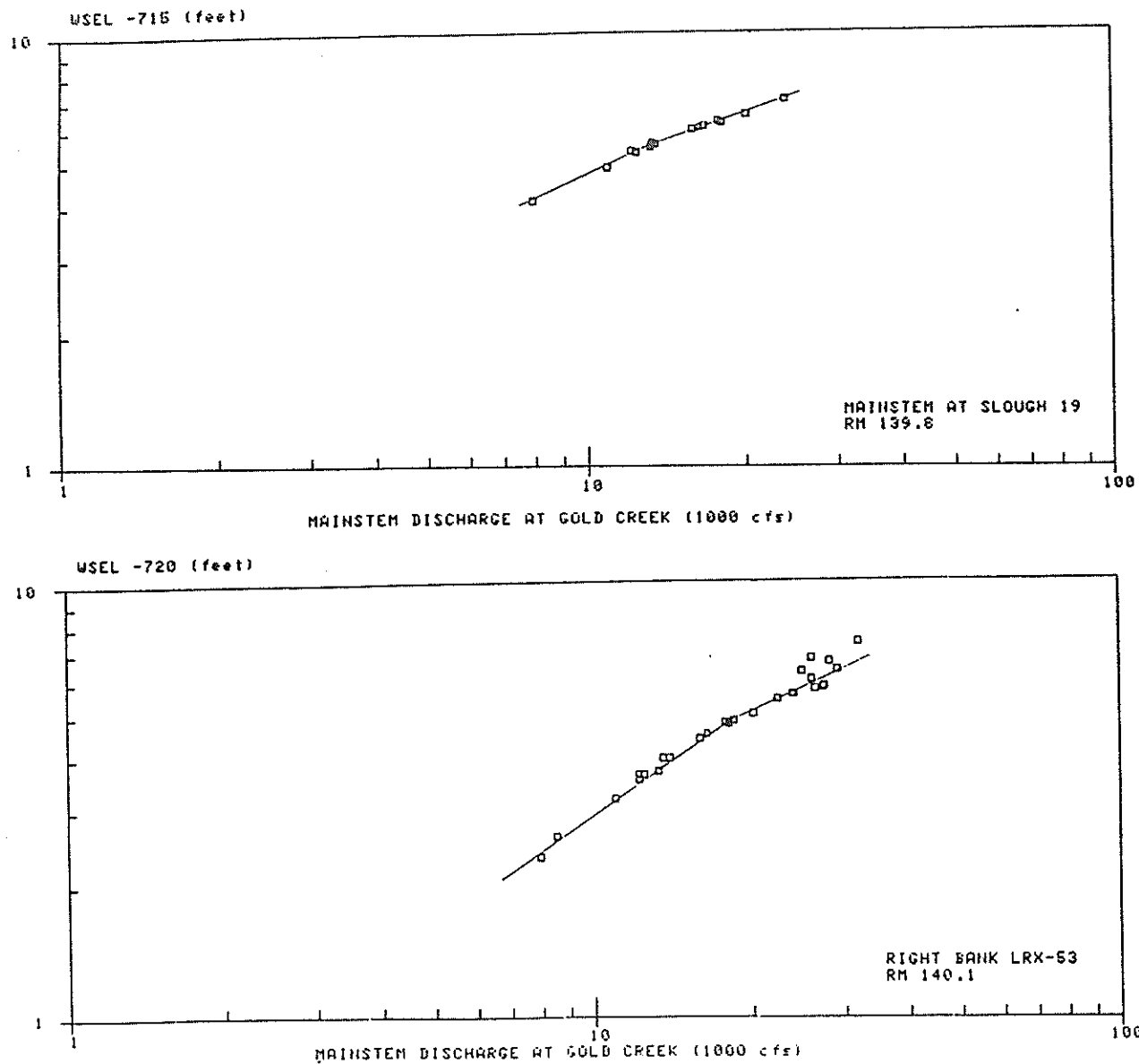
Appendix Figure 4-A-10 Mainstem discharge versus mainstem water surface elevation at Slough 16B mouth and head.

4-A-11



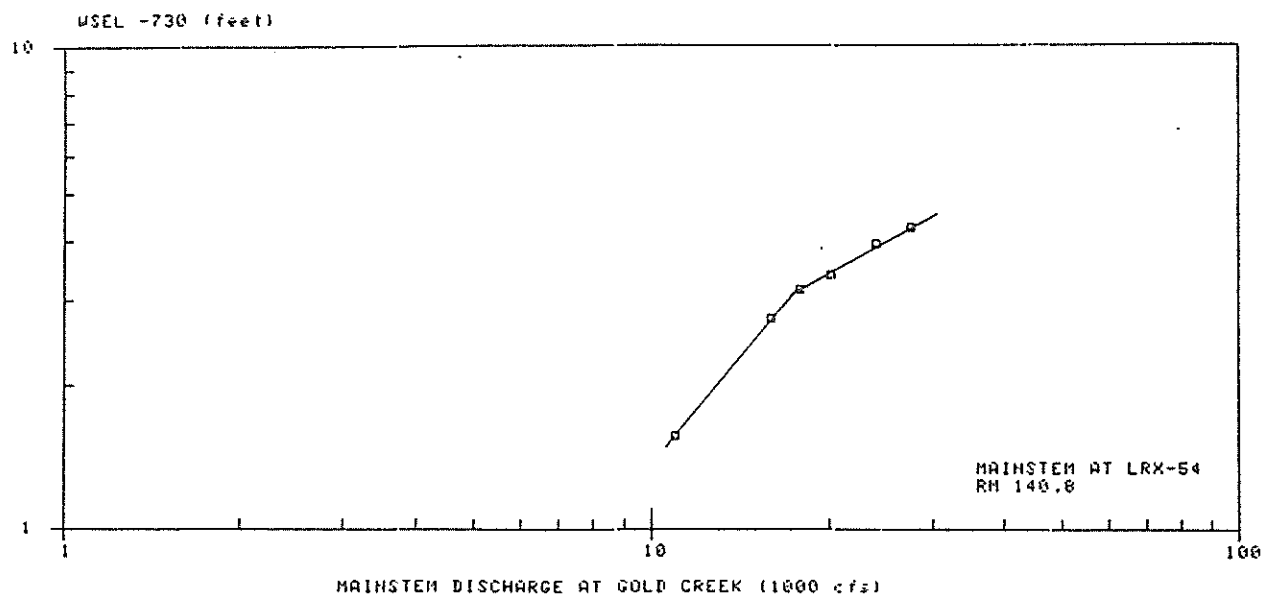
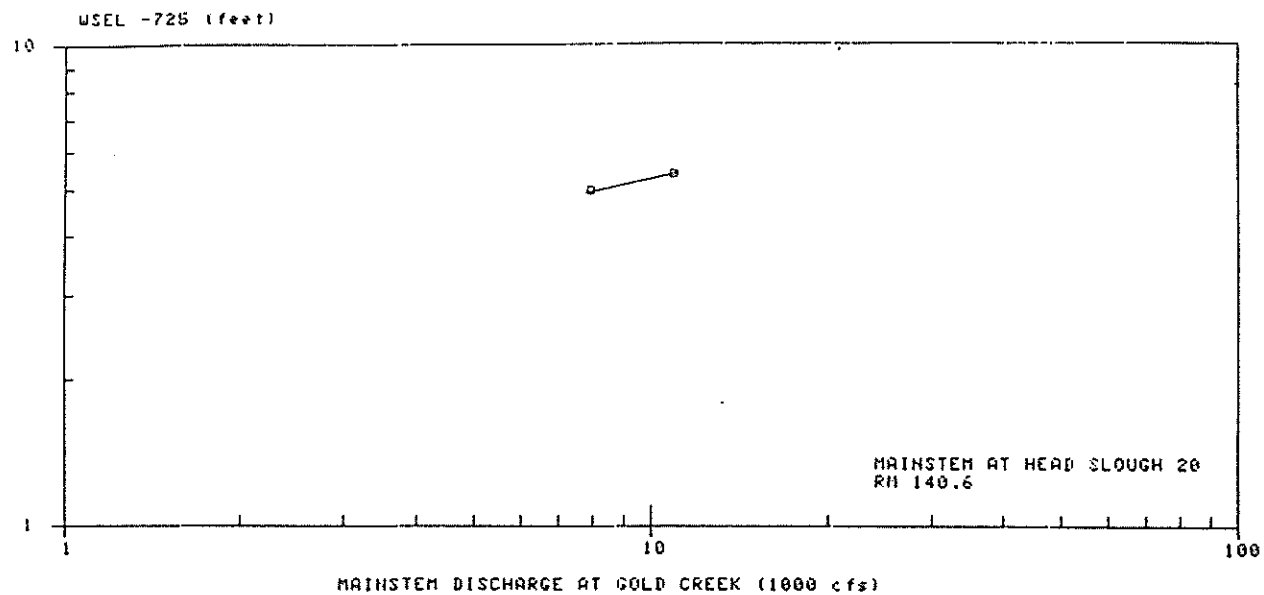
Appendix Figure 4-A-11 Mainstem discharge versus mainstem water surface elevation at left bank of LRX-50 and left bank of LRX-51.

4-A-12



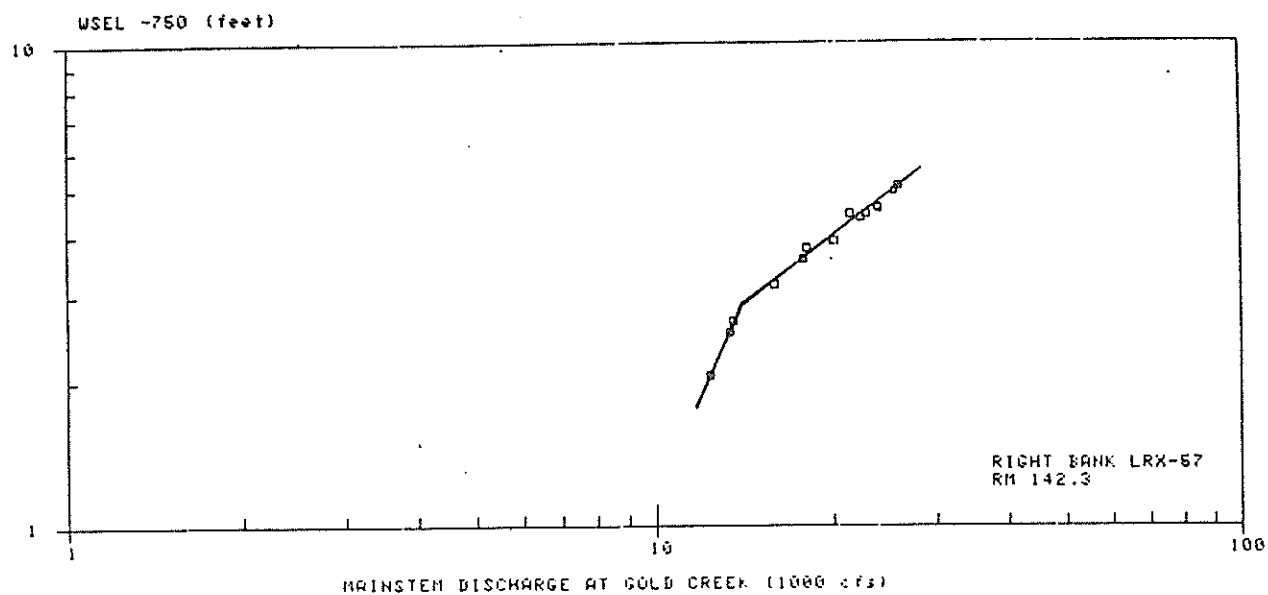
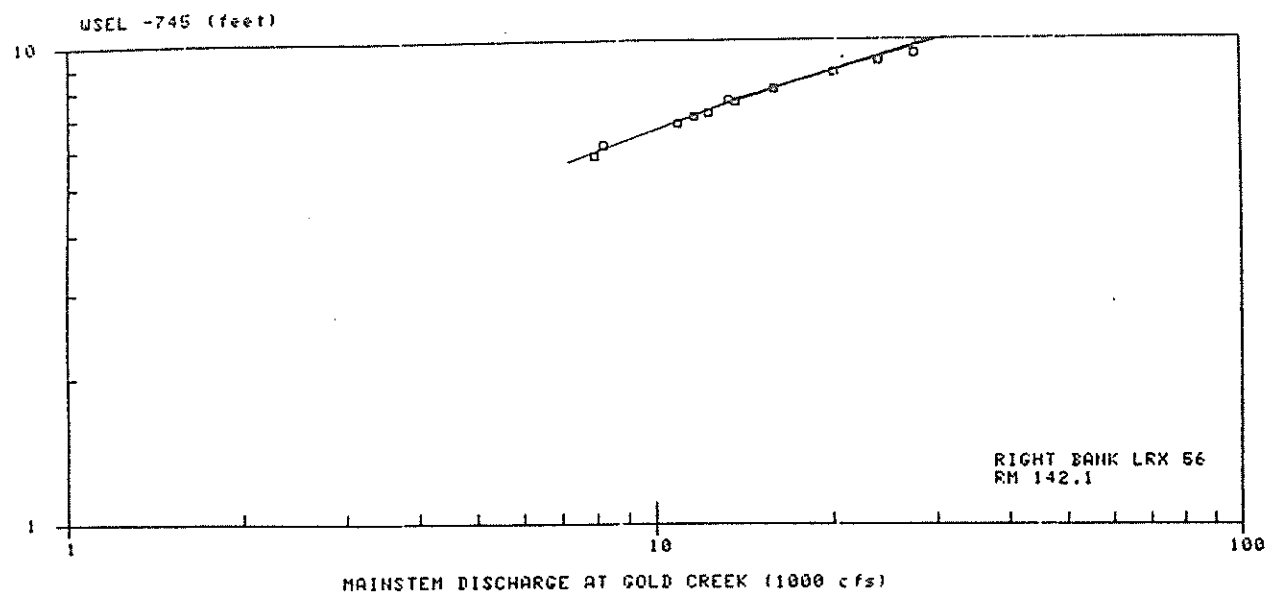
Appendix Figure 4-A-12 Mainstem discharge versus mainstem water surface elevation at Slough 19 and the right bank of LRX-53.

4-A-13



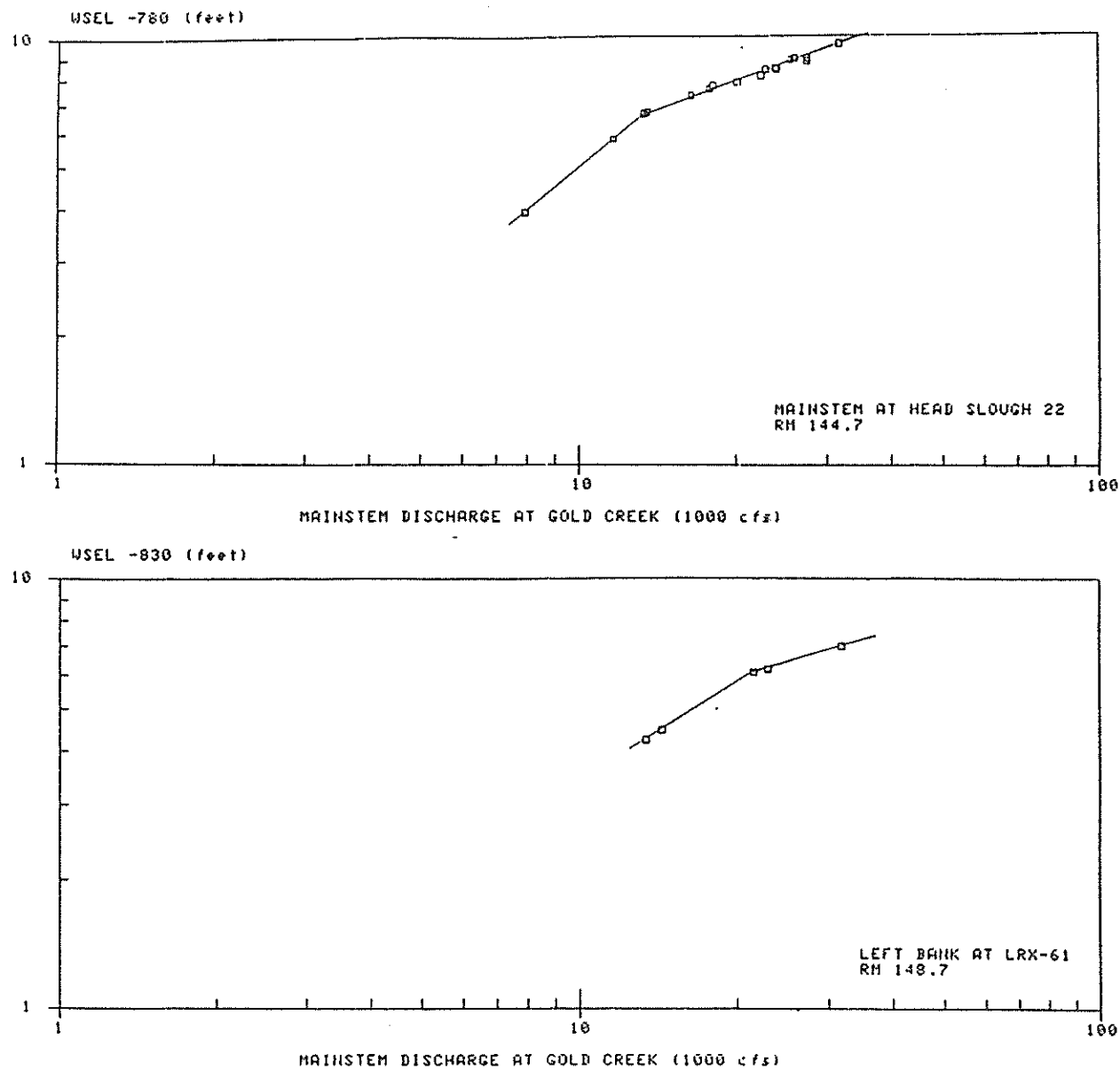
Appendix Figure 4-A-13 Mainstem discharge versus mainstem water surface elevation at head of Slough 20 and at right bank at LRX-54.

4-A-14



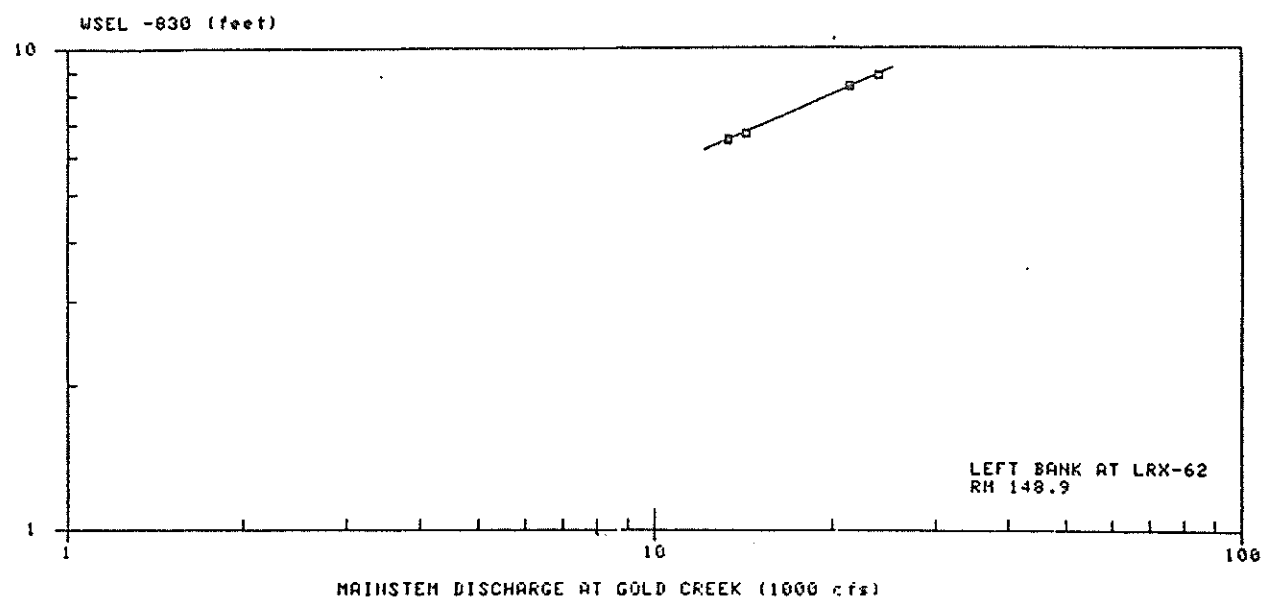
Appendix Figure 4-A-14 Mainstem discharge versus mainstem water surface elevation at right bank of LRX-56 and right bank of LRX-57.

4-A-15



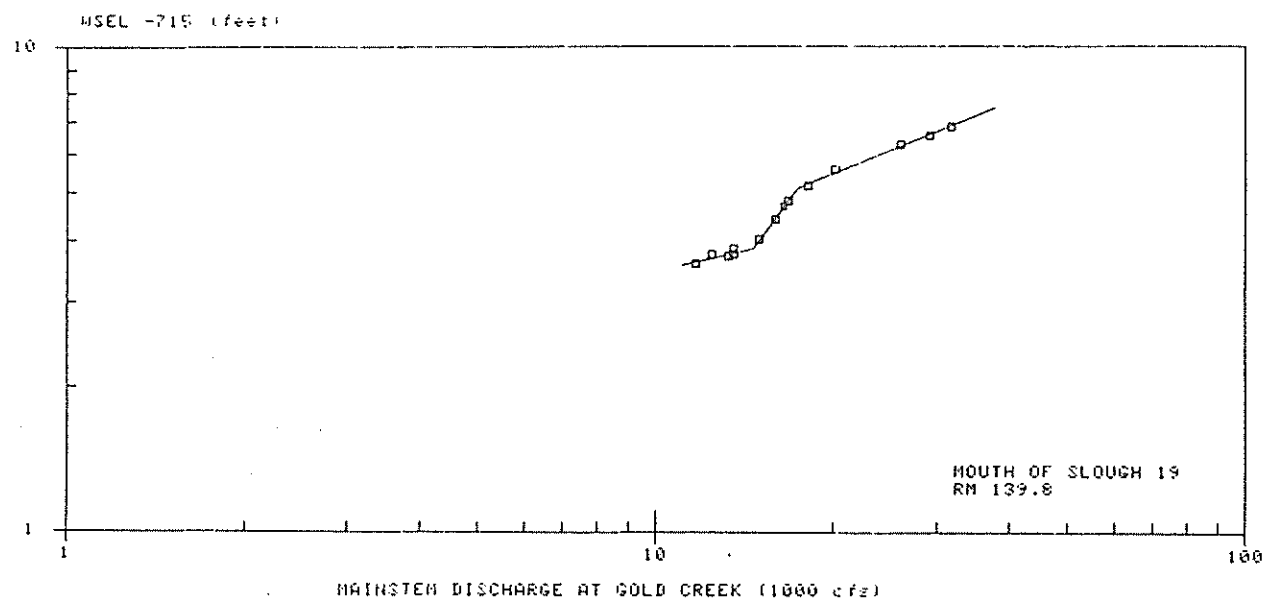
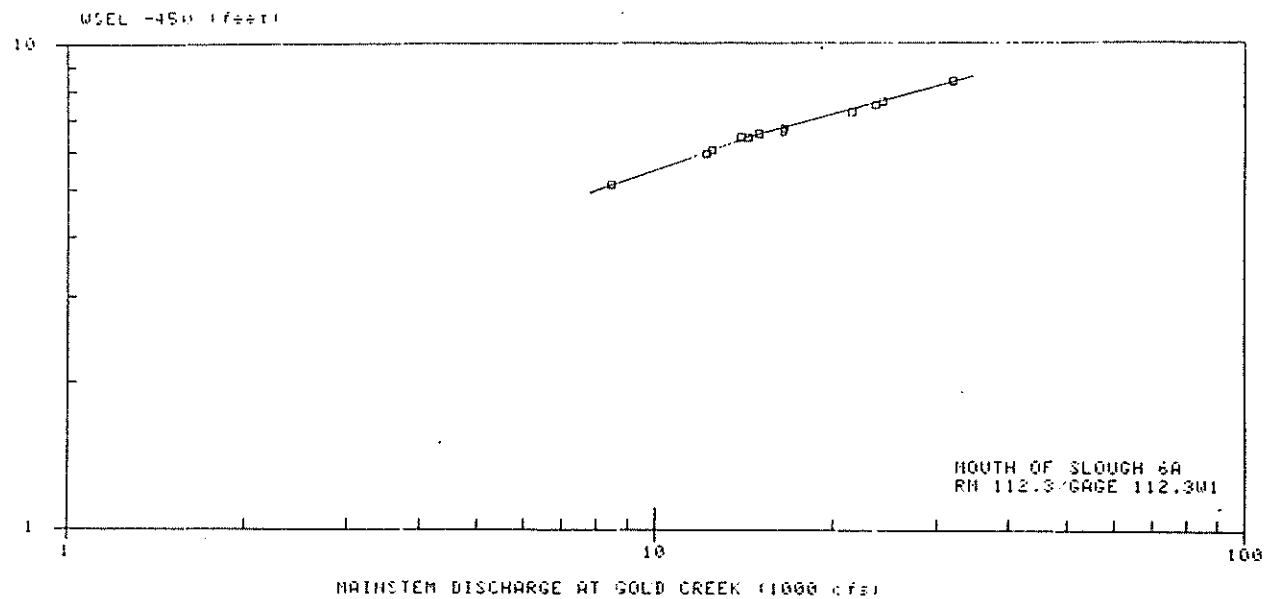
Appendix Figure 4-A-15 Mainstem discharge versus mainstem water surface elevation at head of Slough 22 and left bank at LRX-61.

4-A-16



Appendix Figure 4-A-16 Mainstem discharge versus mainstem water surface elevation at left bank of LRX-62.

4-A-17



APPENDIX Figure 4-A-17 Mainstem discharge versus the water surface elevation of Slough 6A mouth and at Slough 19 mouth.

4-A-18

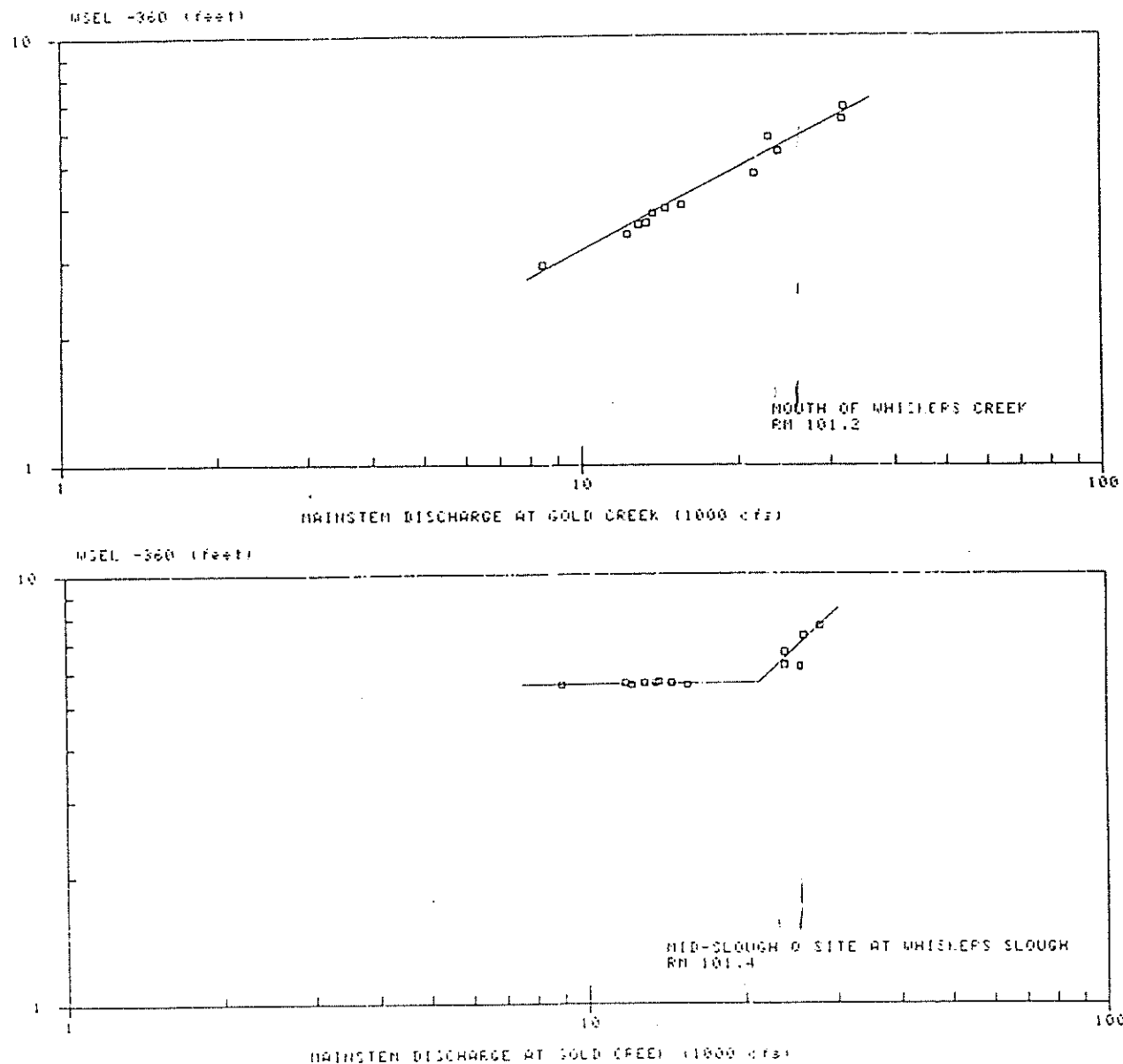
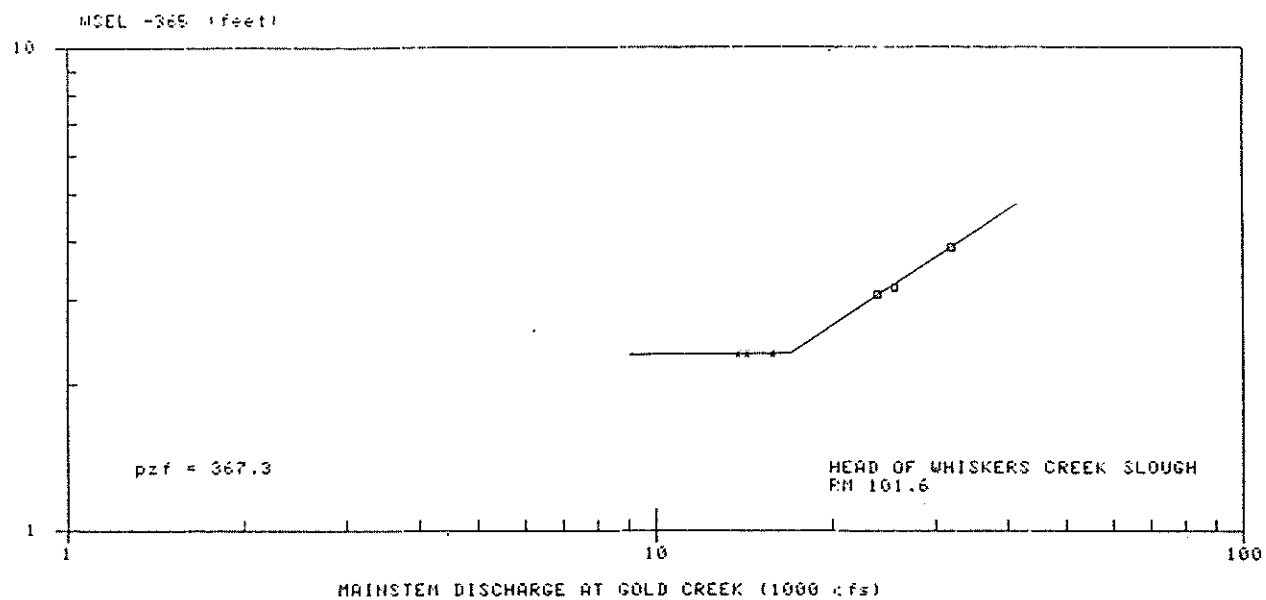


Figure 4-A-18 Mainstem discharge versus the water surface elevation at Whiskers Creek/Slough mouth and mid-slough Q site.

4-H-19



APPENDIX Figure 4-H-19 Mainstem discharge versus the water surface elevation of Whiskers Creek Slough head.

4-A-20

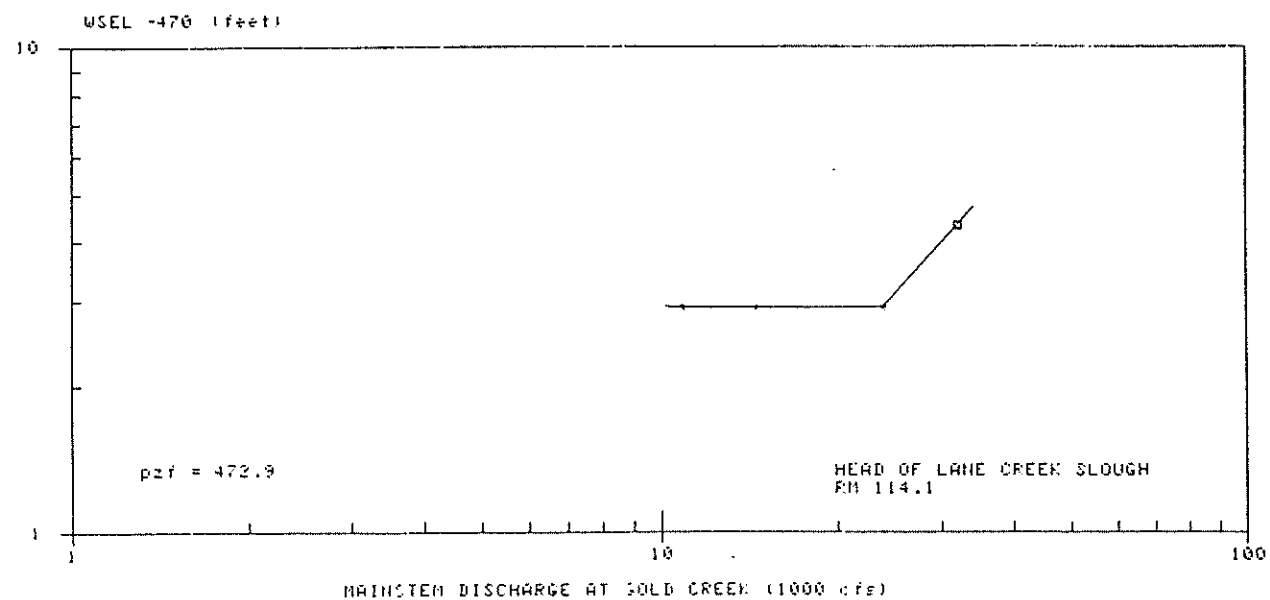
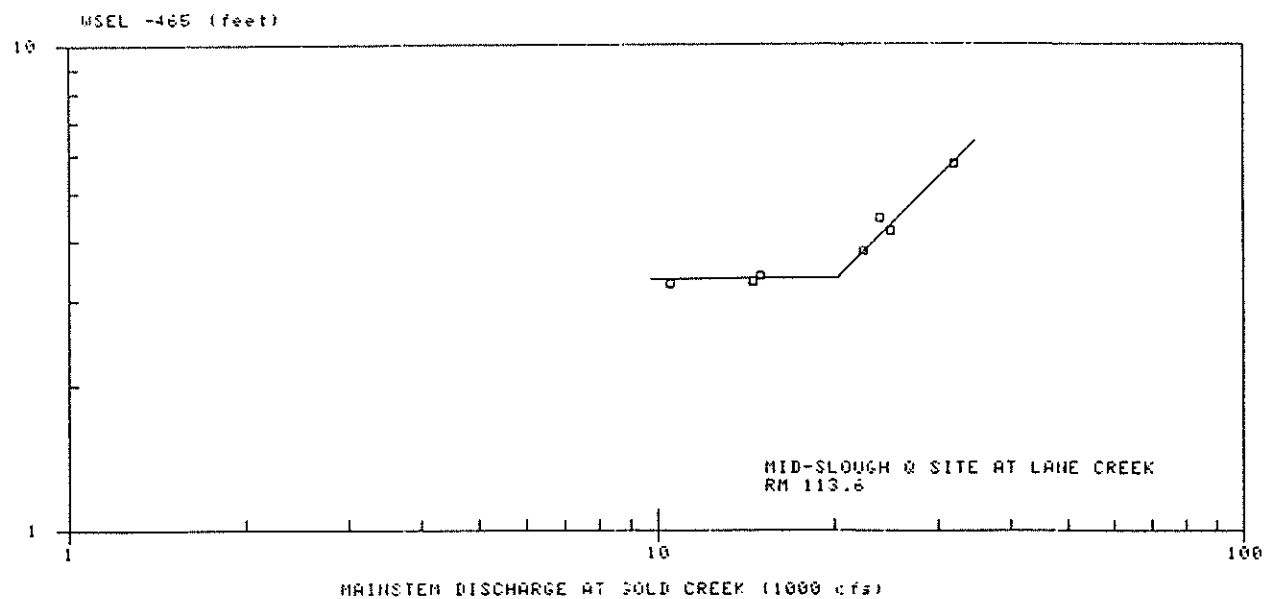
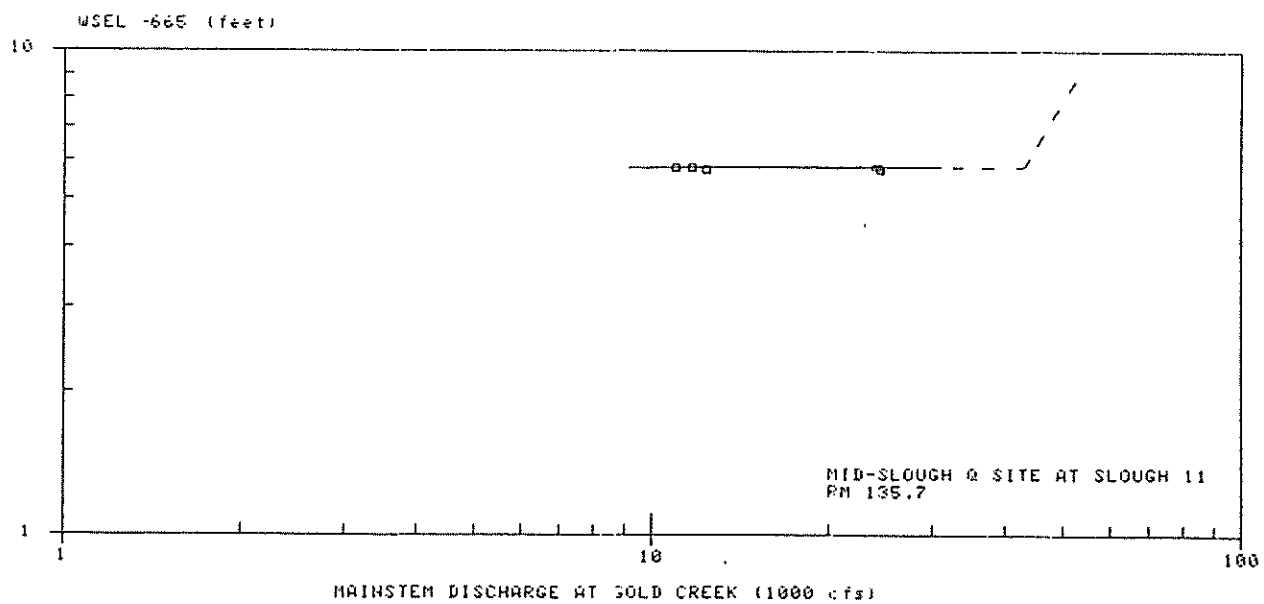
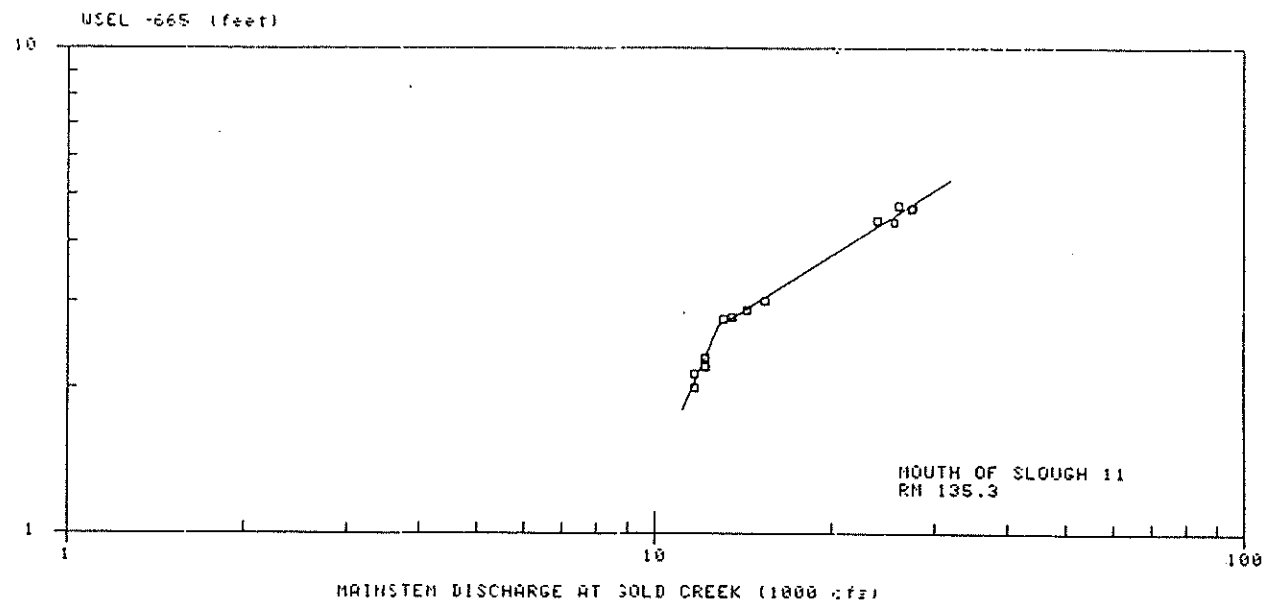
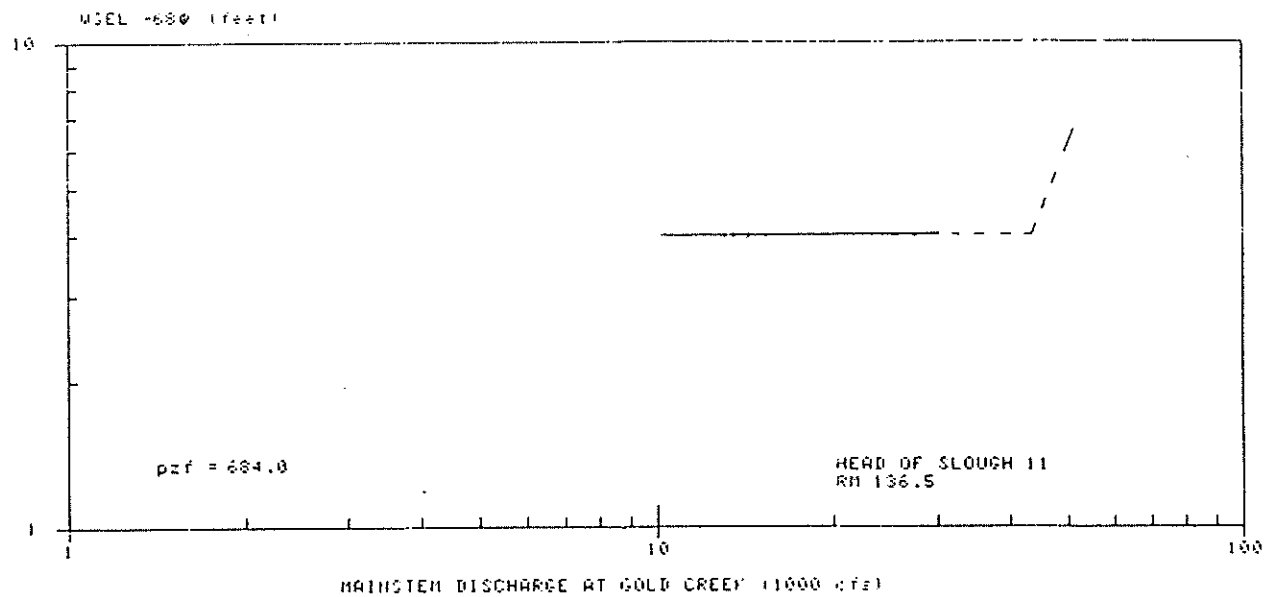


Figure 4-A-20 Mainstem discharge versus the water surface elevation of Lane Creek Slough mid-slough and head.

4-A-21

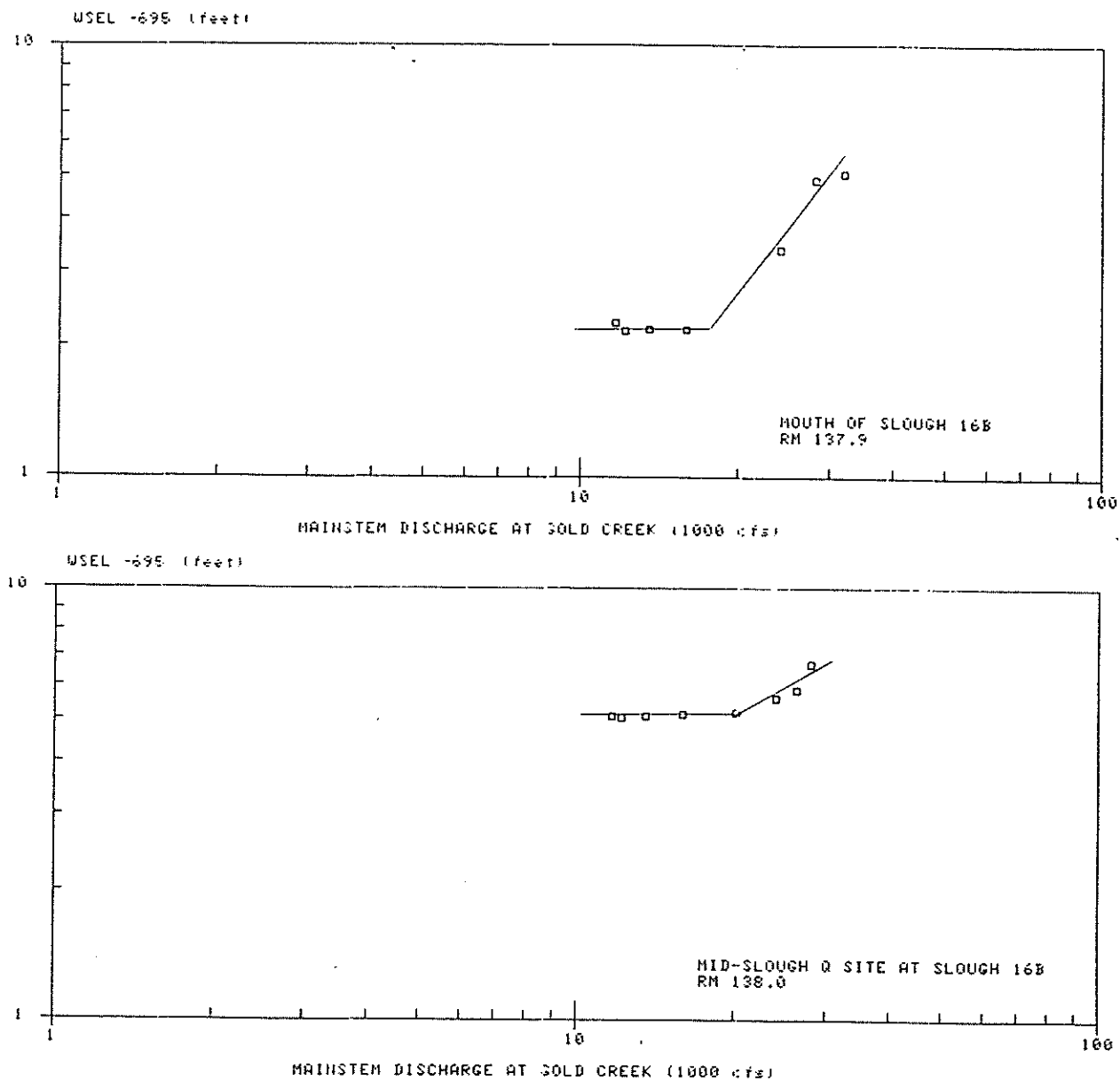


APPENDIX Figure 4-A-21 Mainstem discharge versus the water surface elevation of Slough 11 mouth and mid-slough.

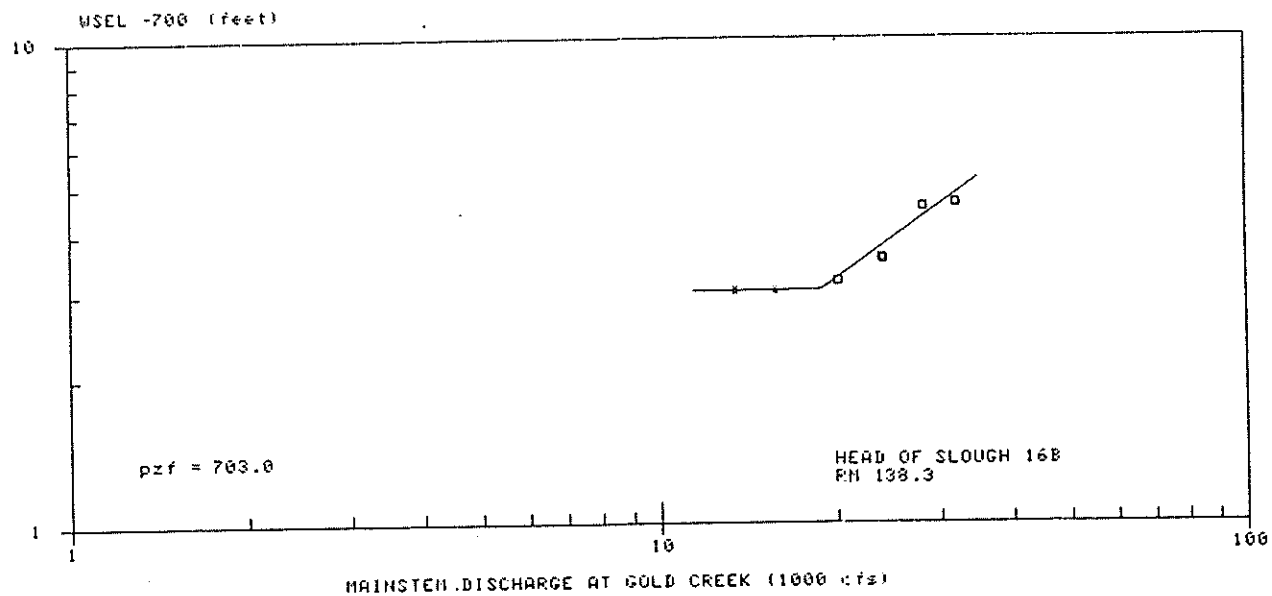


APPENDIX Figure 4-A-22 Mainstem discharge versus the water surface elevation of Slough 11 head.

4-A-23

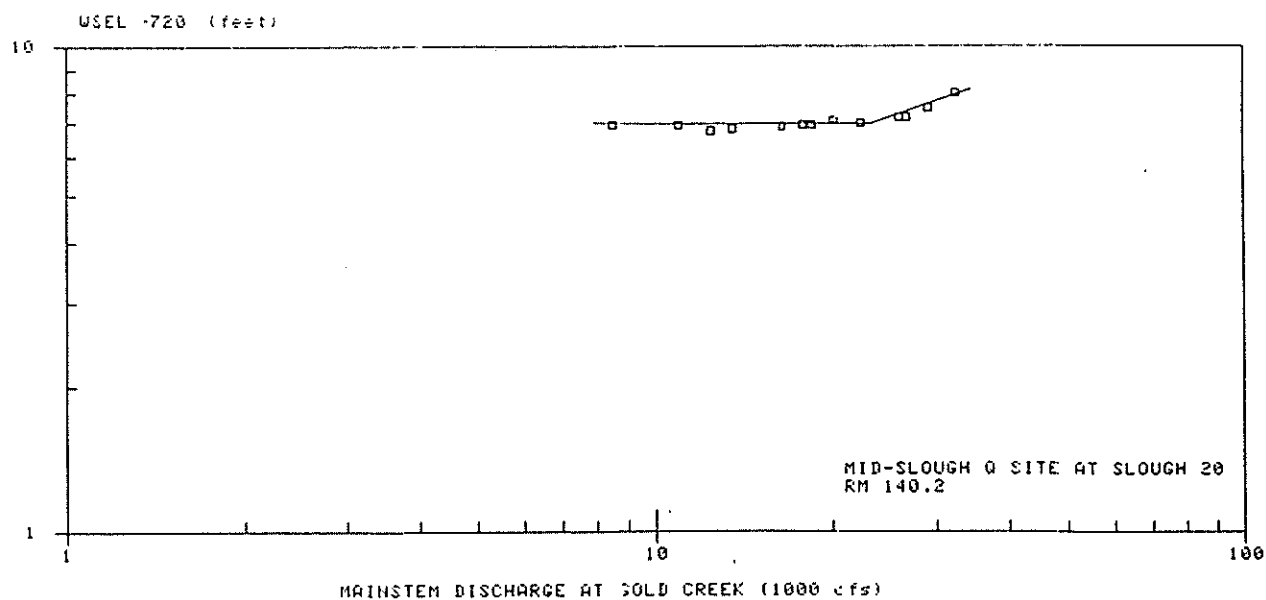
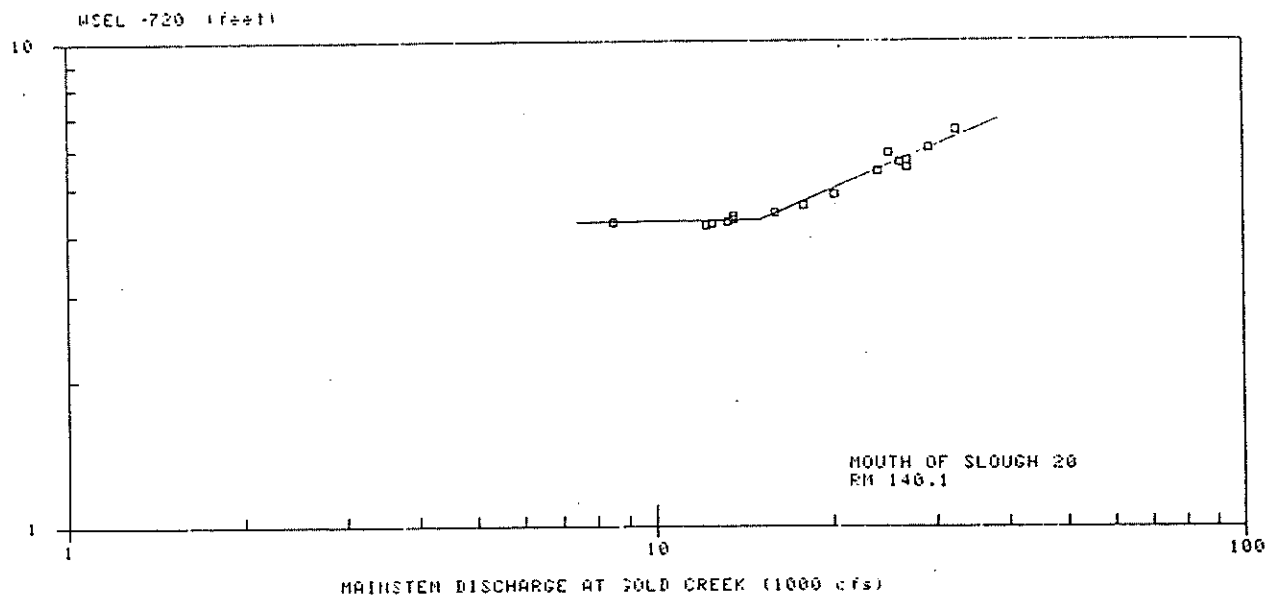


APPENDIX Figure 4-A-23 Mainstem discharge versus the water surface elevation of Slough 16B mouth and mid-slough.



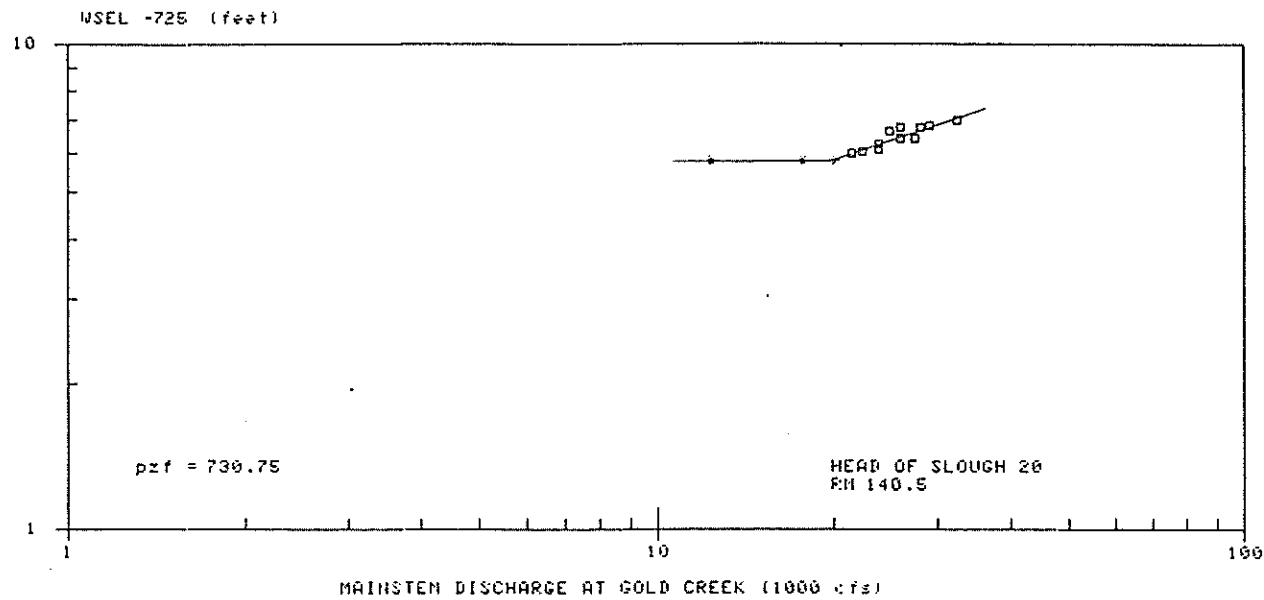
APPENDIX Figure 4-A-24 Mainstem discharge versus the water surface elevation of Slough 16B head.

4-A-25



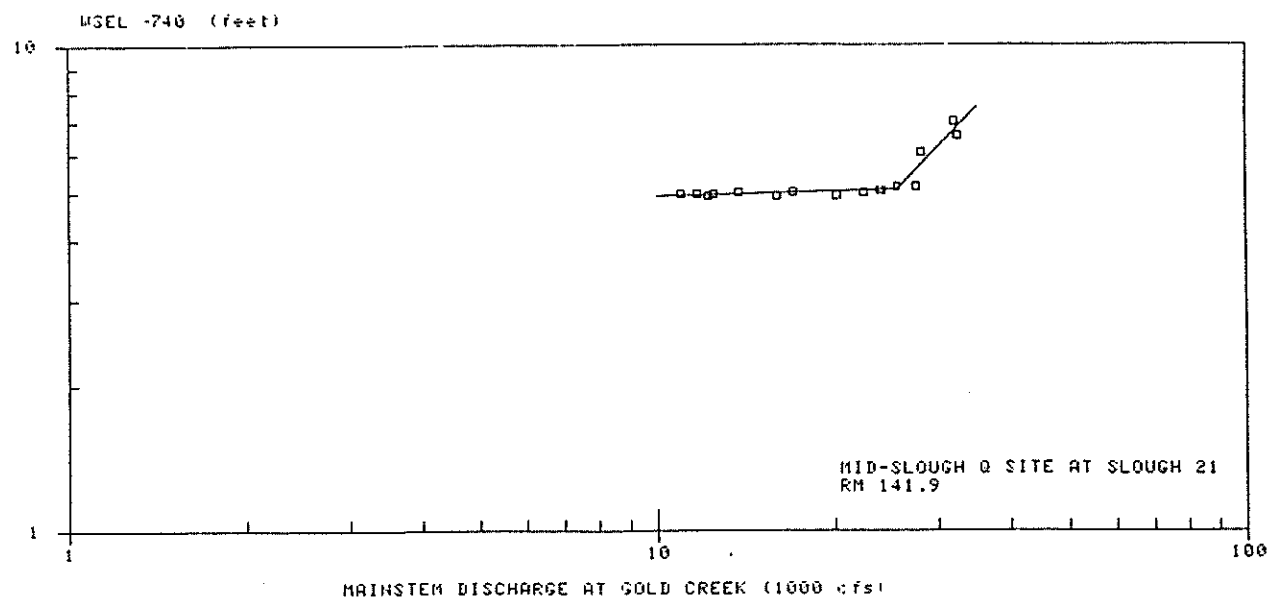
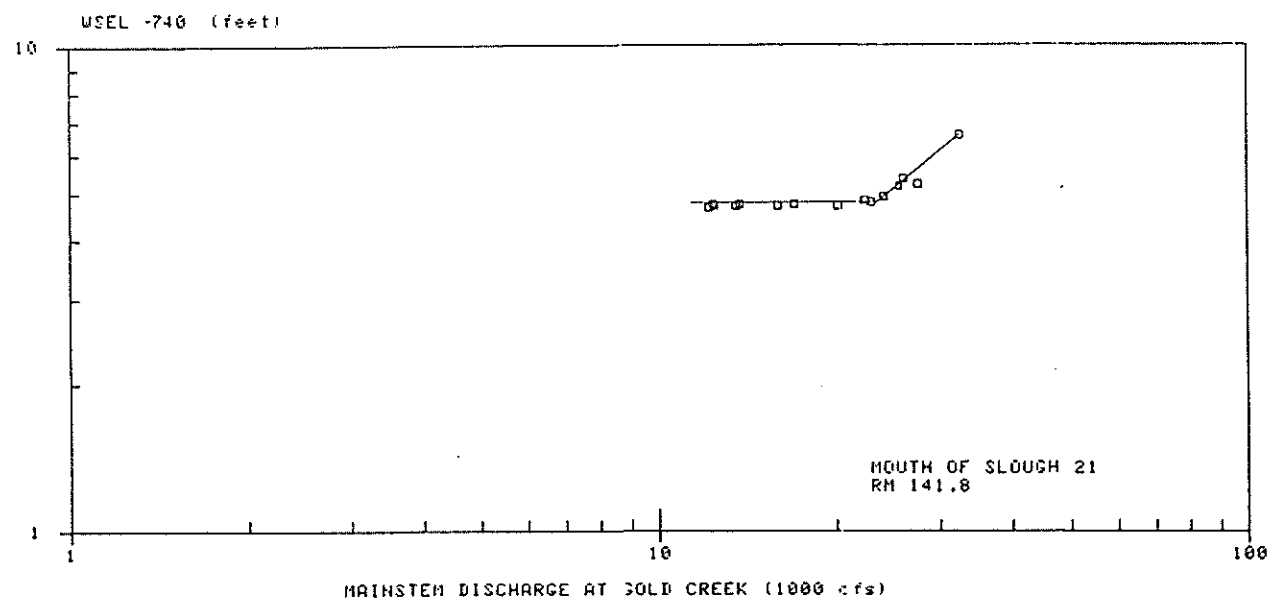
APPENDIX Figure 4-A-25 Mainstem discharge versus the water surface elevation of Slough 20 mouth and mid-slough.

4-A-26



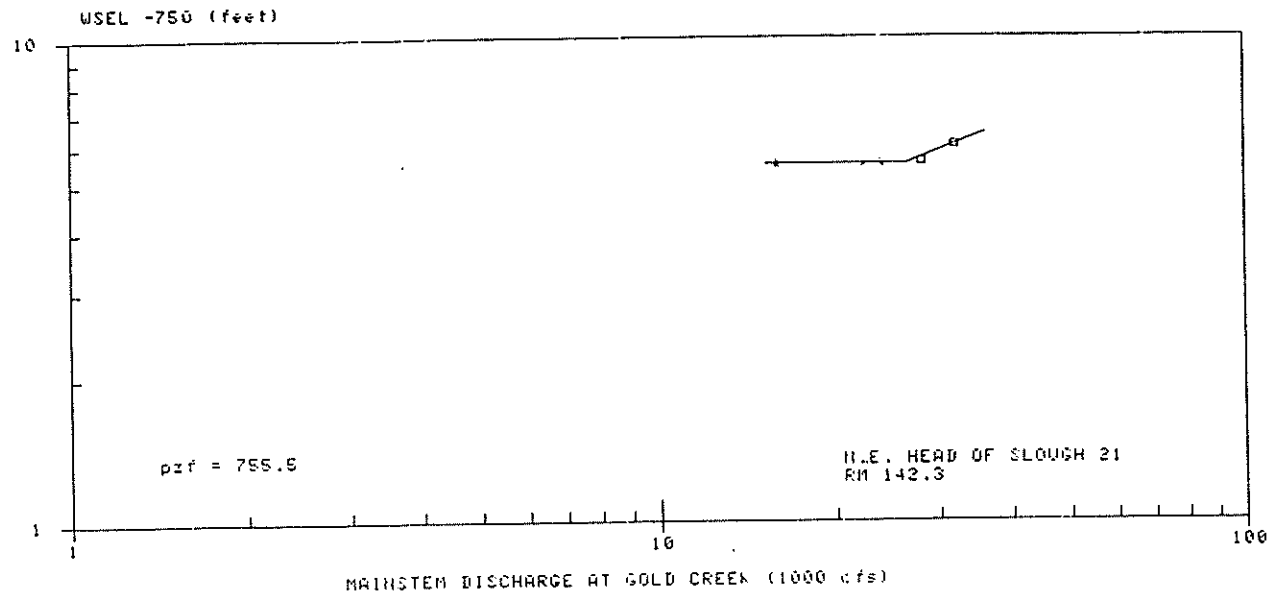
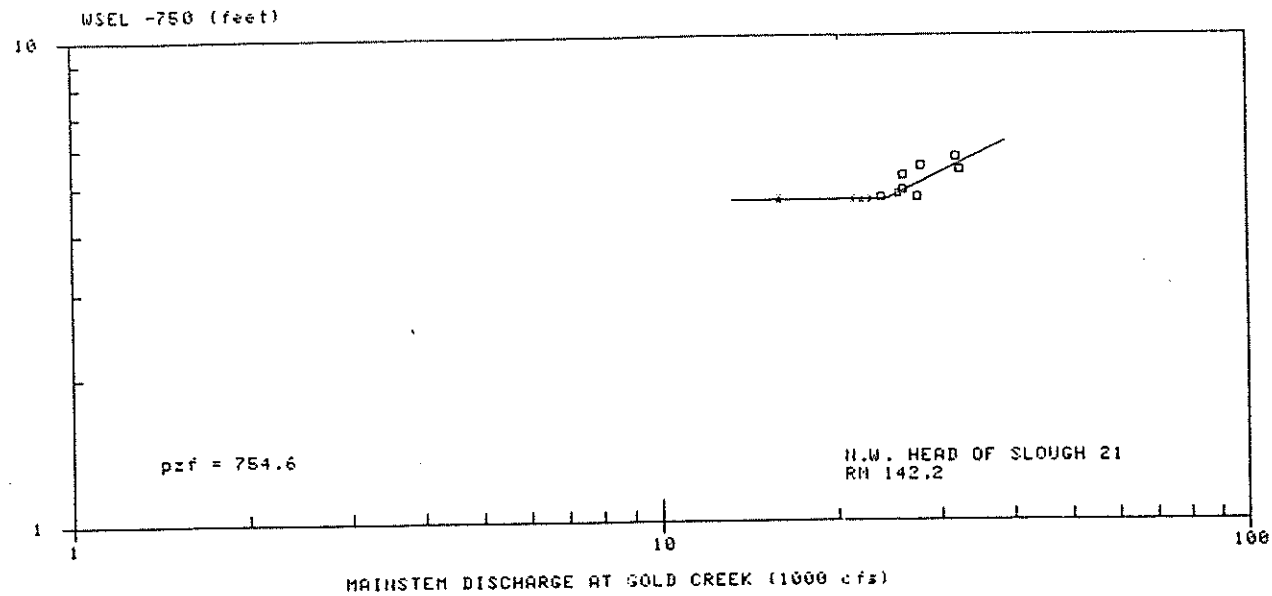
APPENDIX Figure 4-A-26 Mainstem discharge versus the water surface elevation of Slough 20 head.

4-A-27



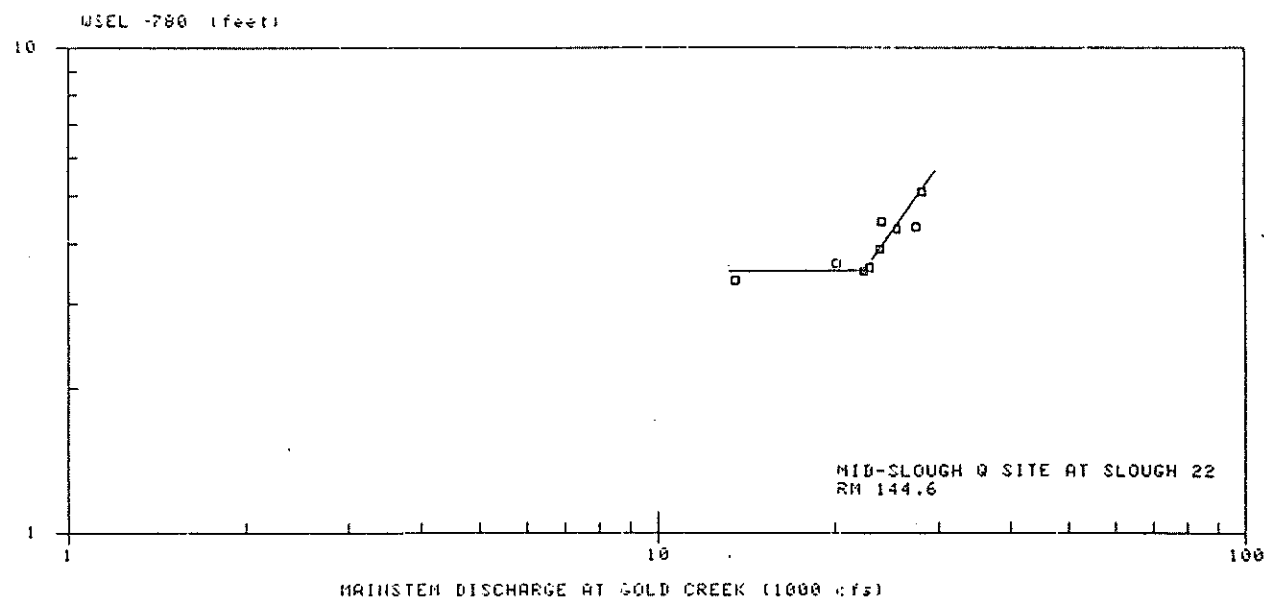
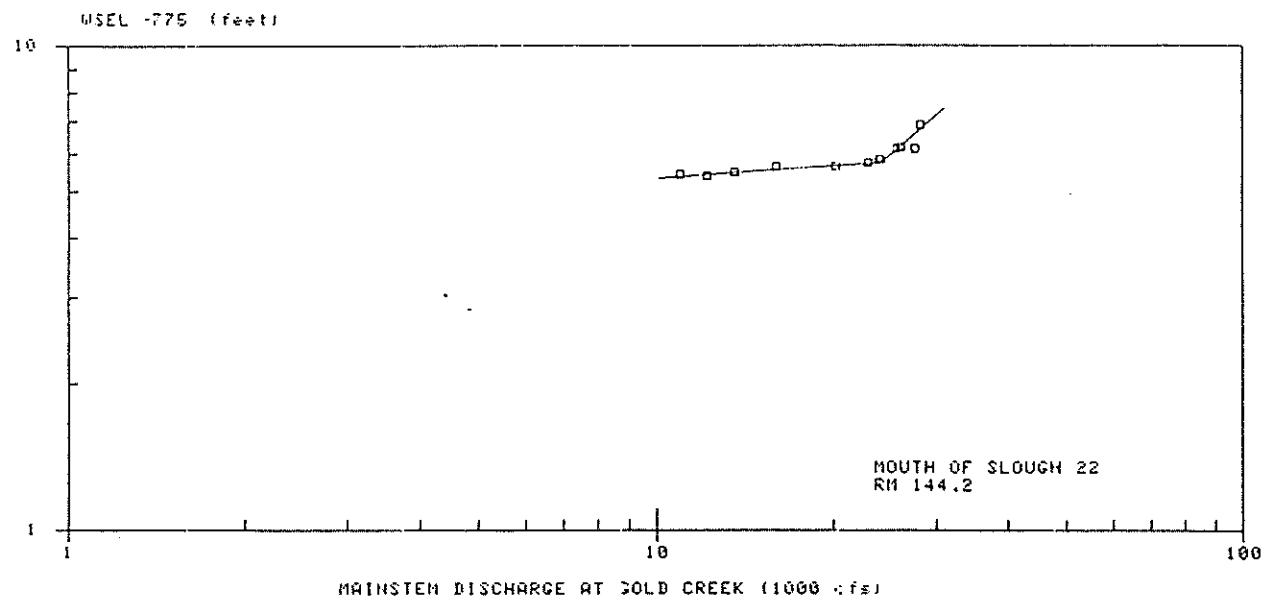
APPENDIX Figure 4-A-27 Mainstem discharge versus the water surface elevation of Slough 21 mouth and mid-slough.

4-A-28



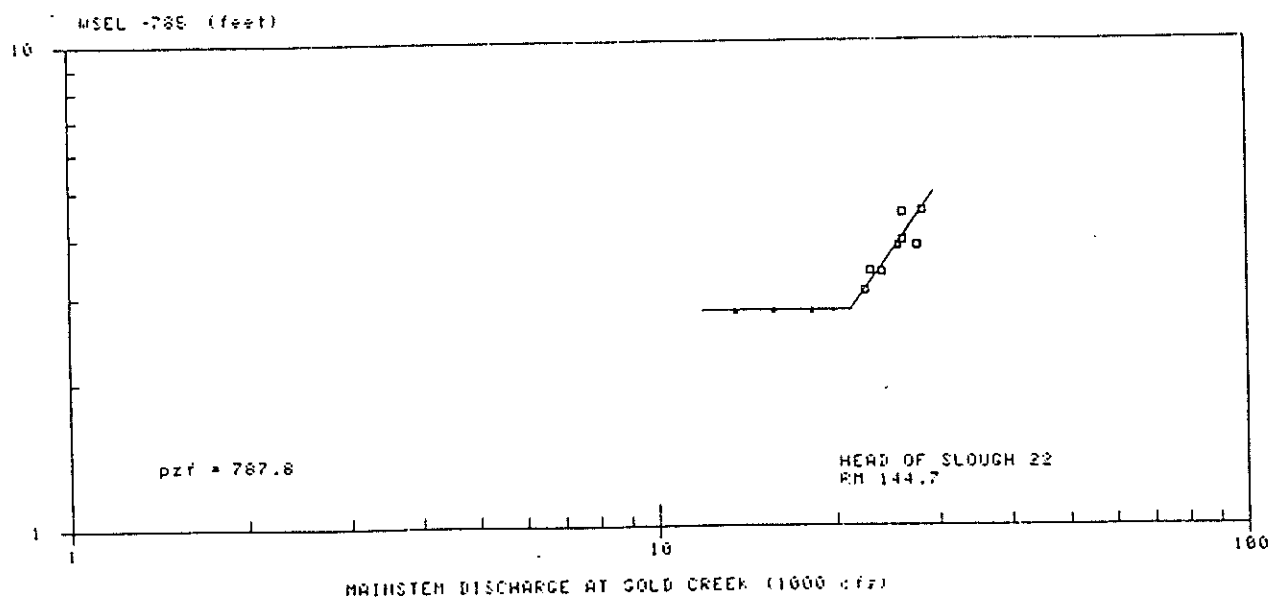
APPENDIX Figure 4-A-28 Mainstem discharge versus the water surface elevation of the N.W. and N.E. head of Slough 21.

4-A-29

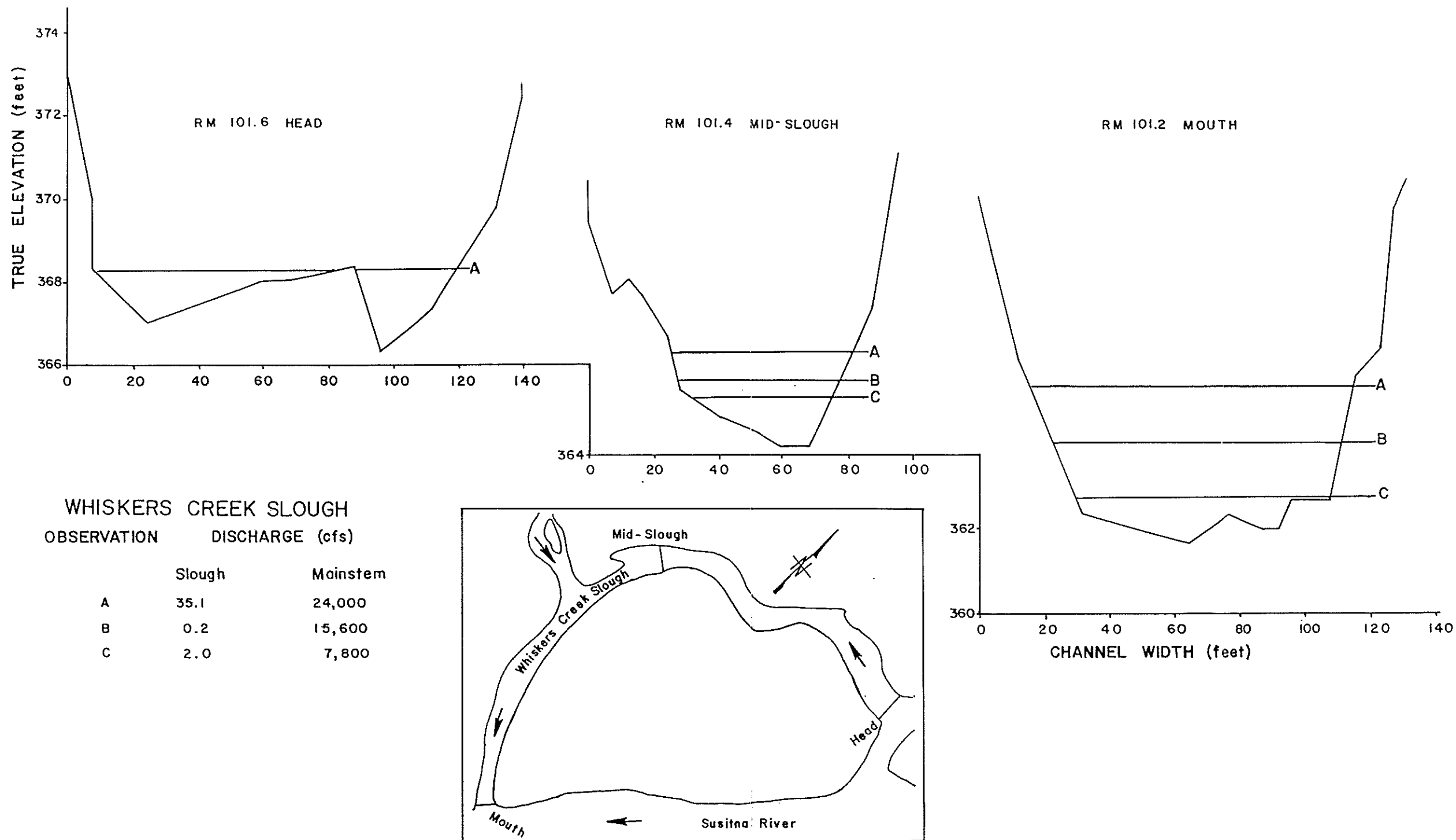


APPENDIX Figure 4-A-29 Mainstem discharge versus the water surface elevation of Slough 22 mouth and mid-slough.

4-A-30



APPENDIX Figure 4-A-30 Mainstem discharge versus the water surface elevation of Slough 22 head.



Appendix Figure 4-A-31. Cross sections of the head, mid-slough and mouth of Whiskers Creek Slough depicting the water surface elevation corresponding to the slough and mainstem discharge.

4-A-32

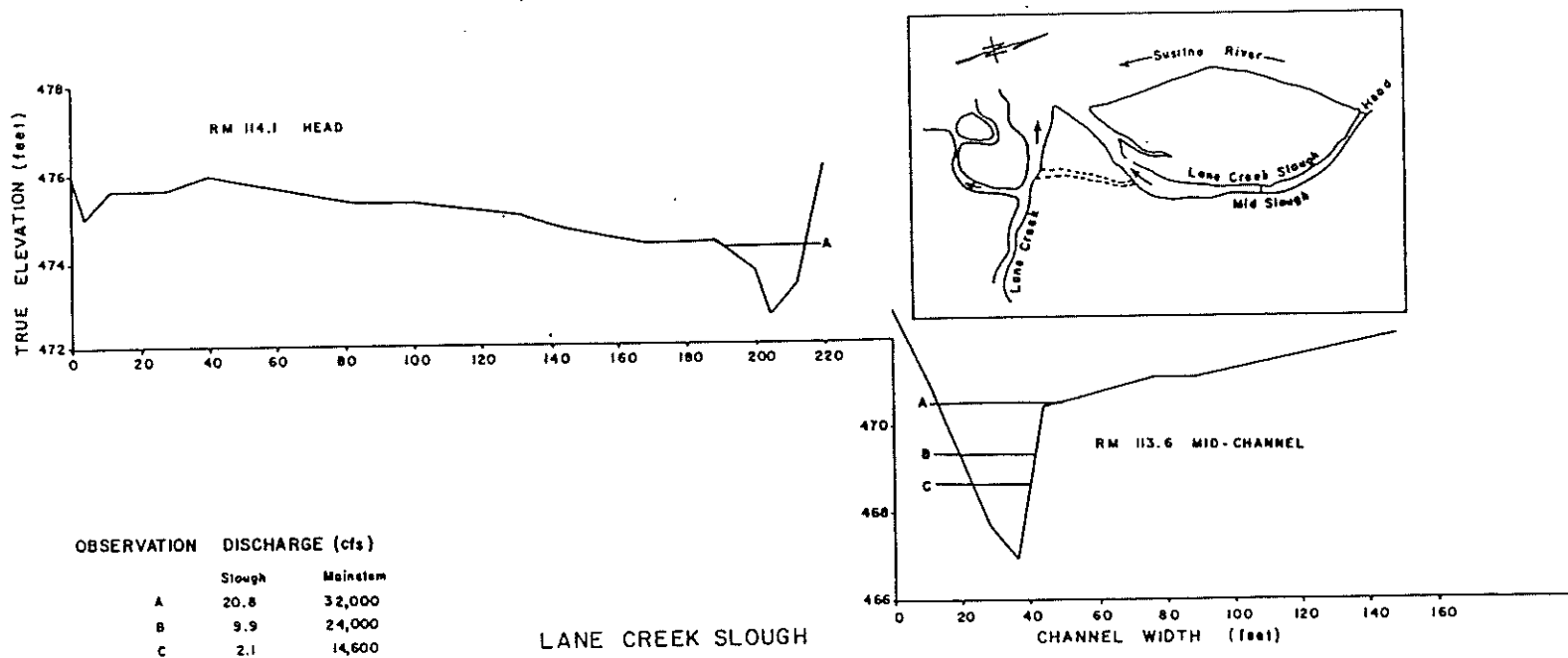
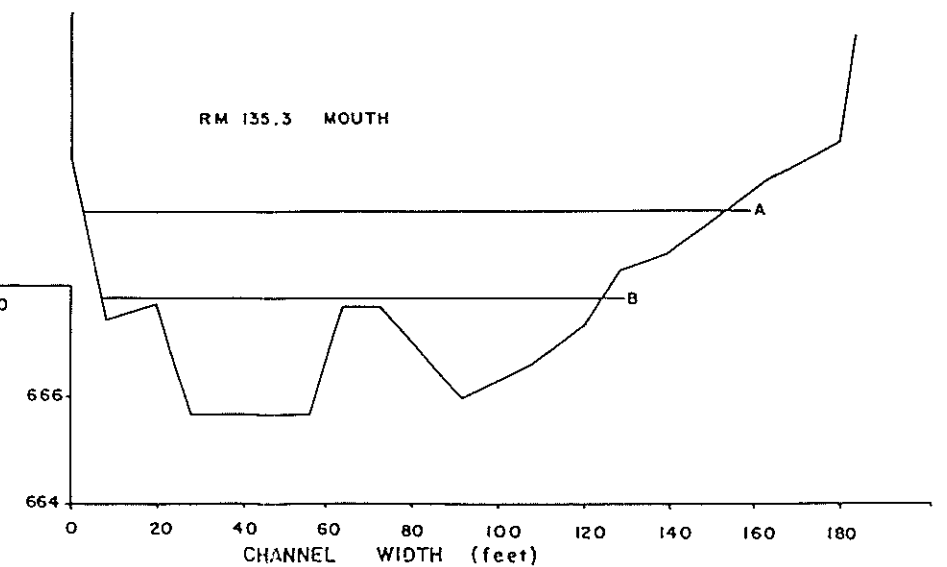
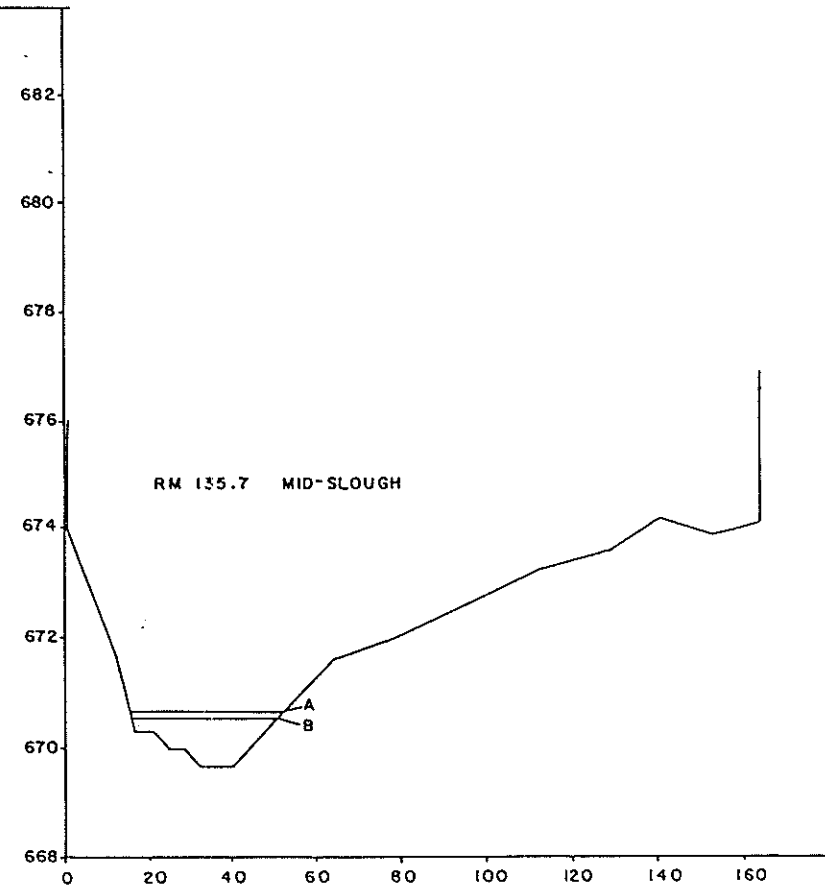
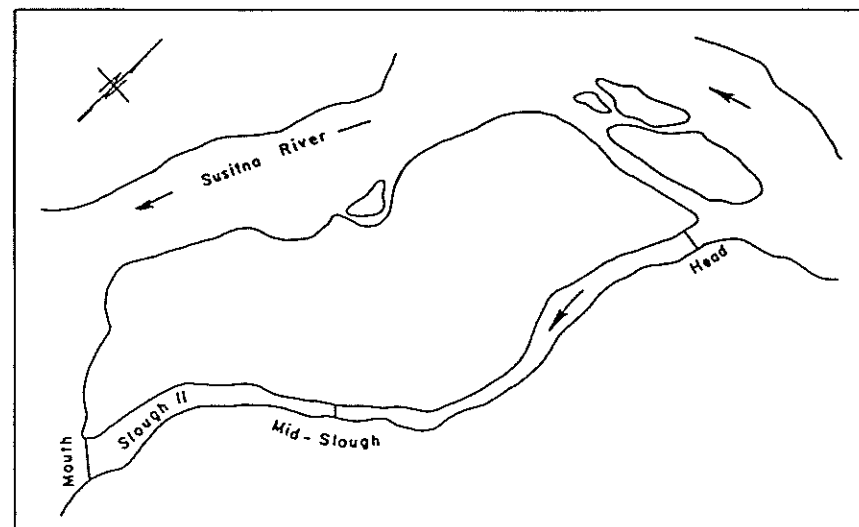
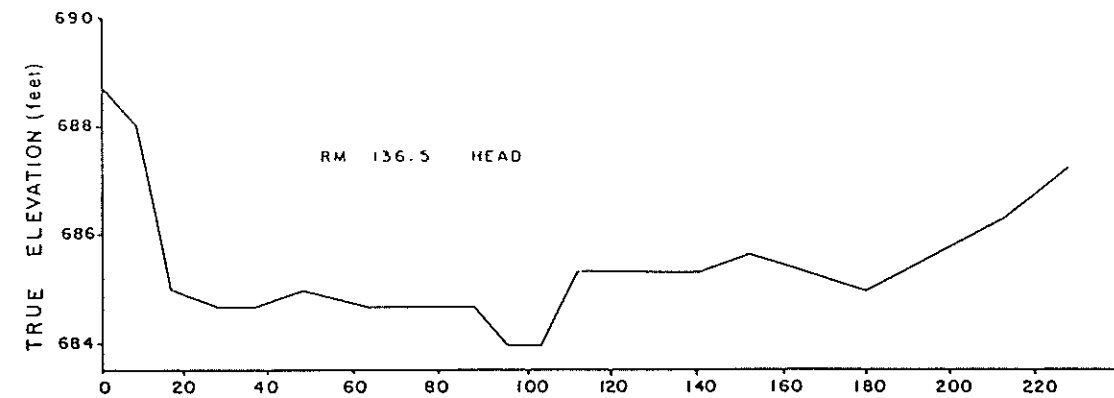


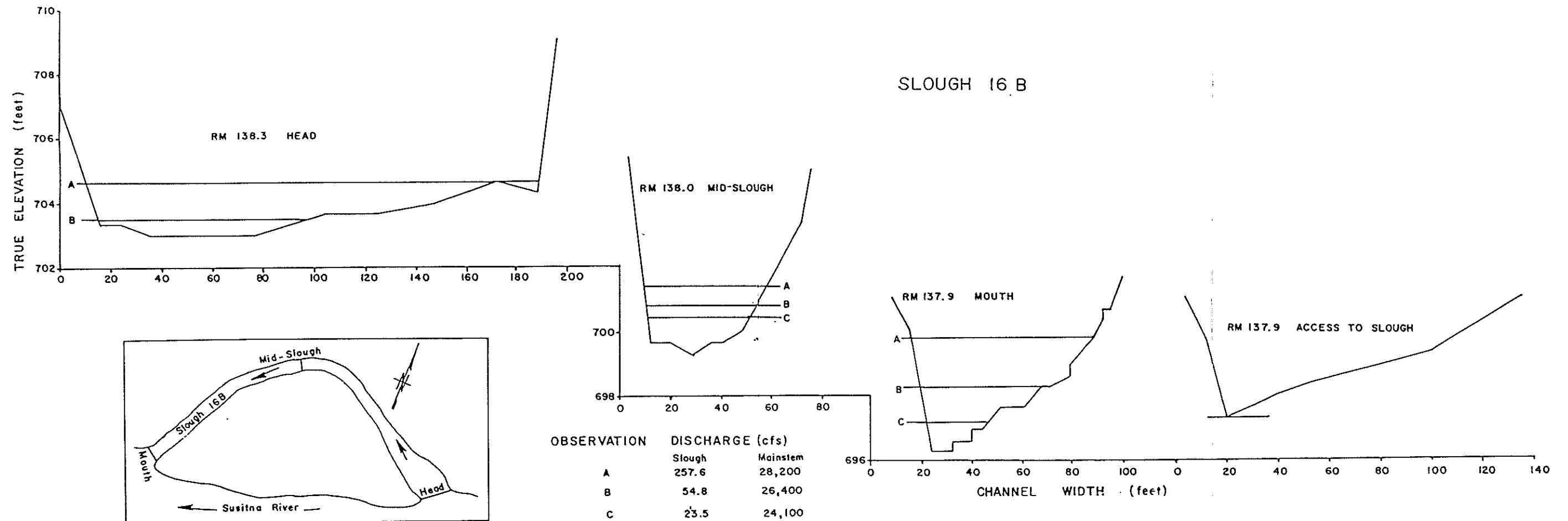
Figure 4-A-32 Cross sections of the head and mid-slough of Lane Creek Slough depicting the water surface elevation corresponding to the slough and mainstem.



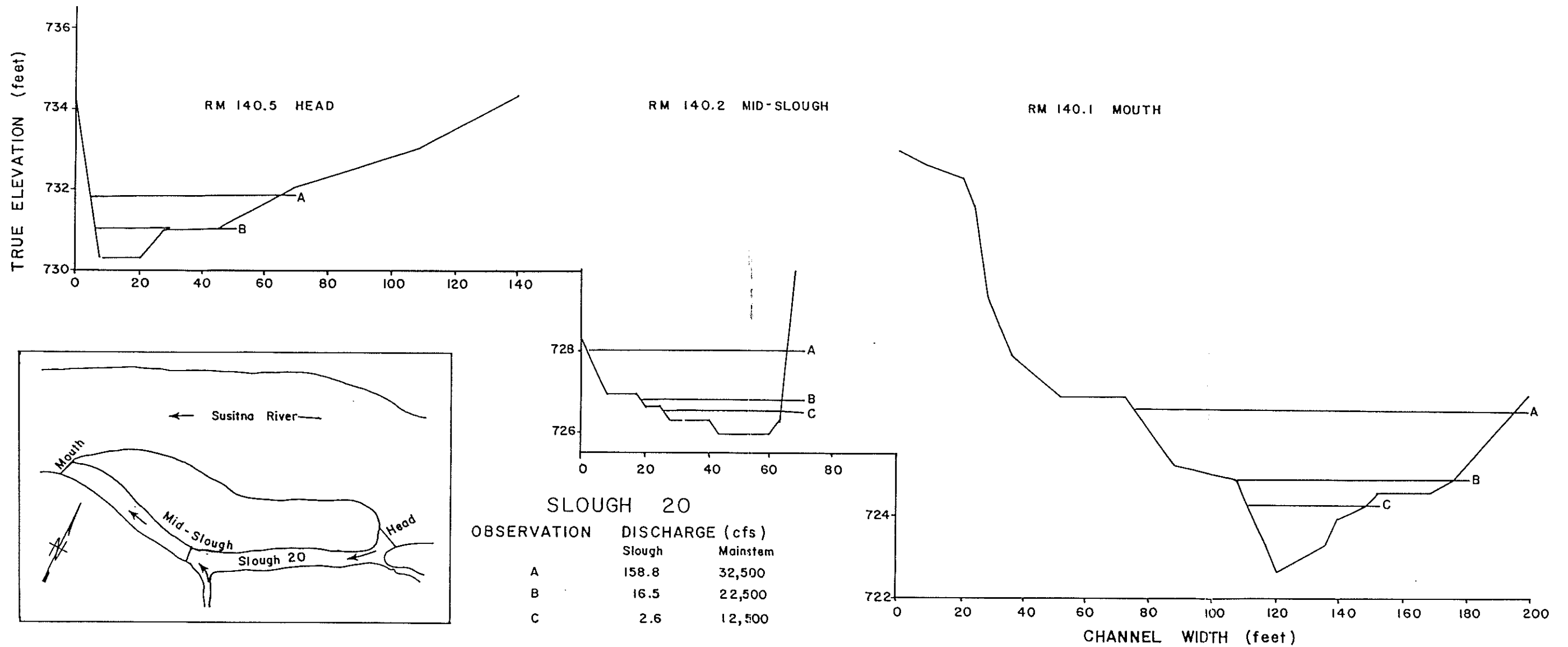
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B	3.1	13,100

SLOUGH II

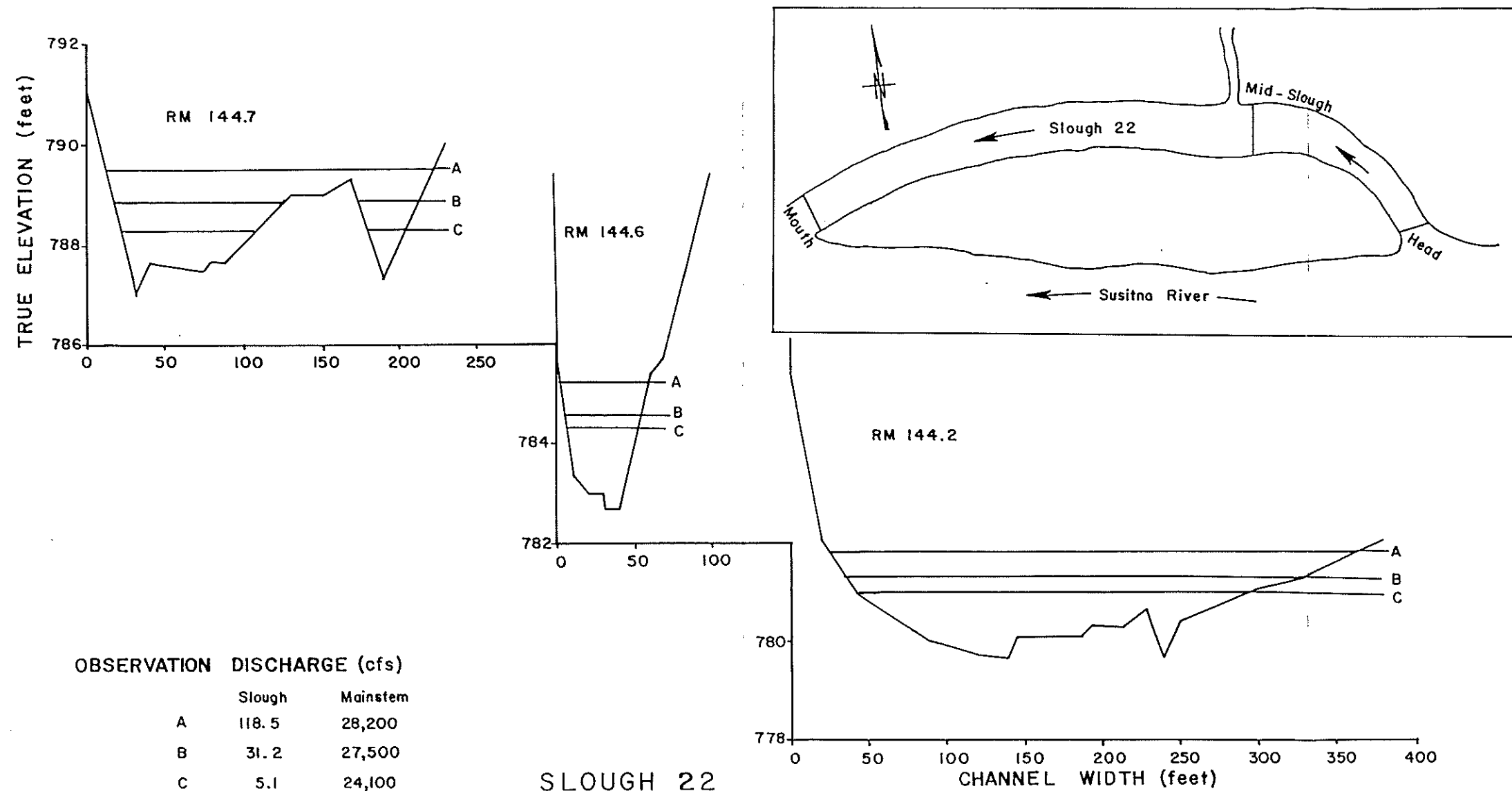
Appendix Figure 4-A-33. Cross sections of the head, the mid-slough and mouth of Slough II depicting the water surface elevation corresponding to the slough and mainstem discharge.



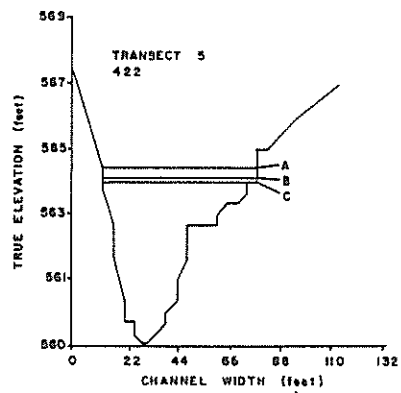
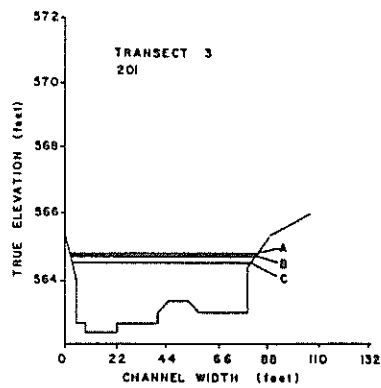
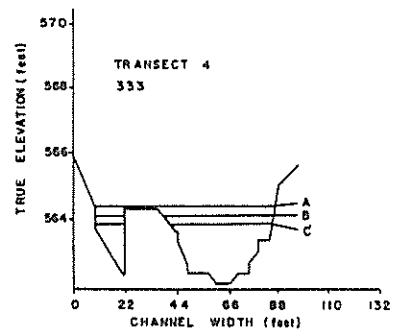
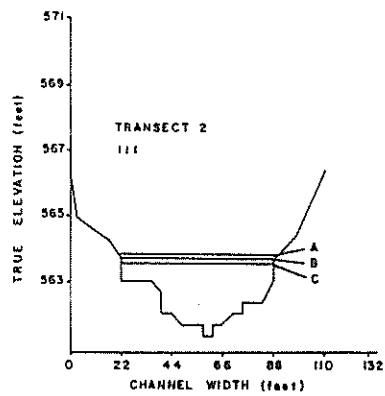
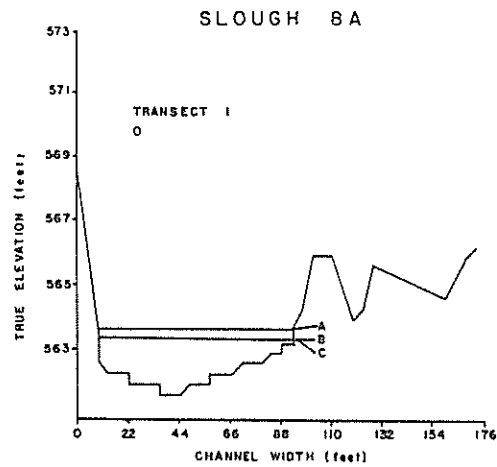
Appendix Figure 4-A-34. Cross sections of the head, mid-slough, mouth and access to Slough 16B depicting the water surface elevation corresponding to the slough and mainstem discharge.



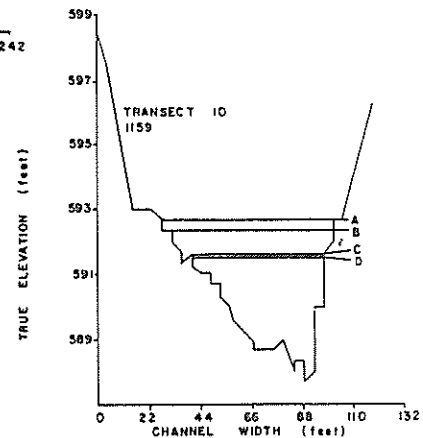
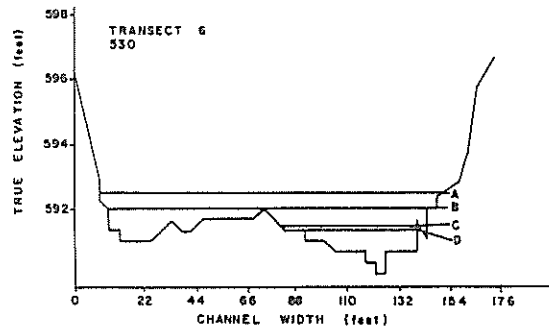
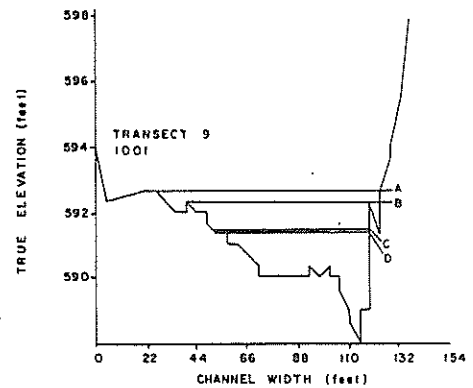
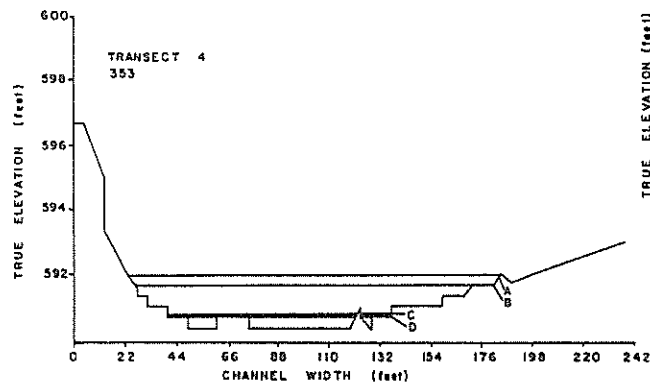
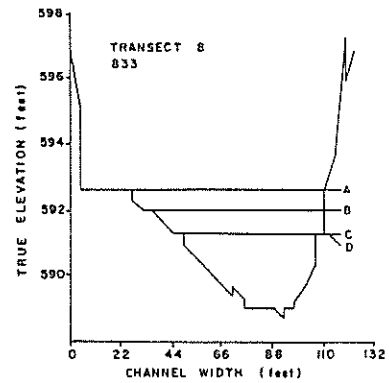
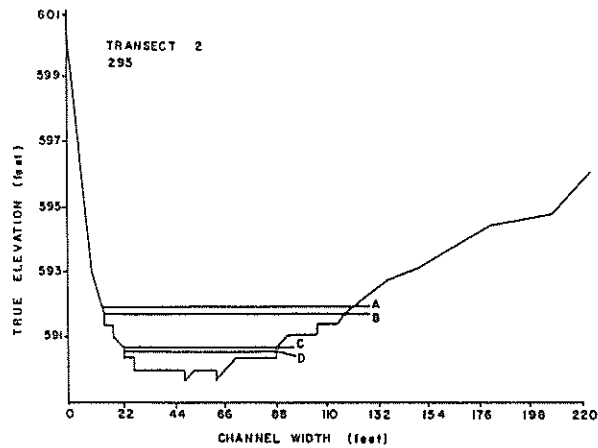
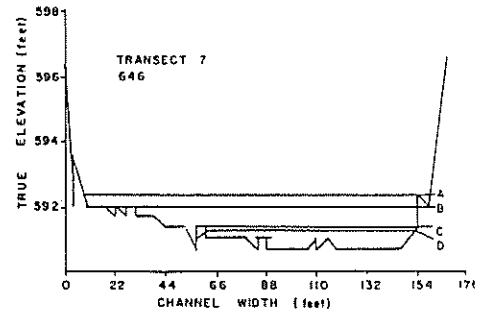
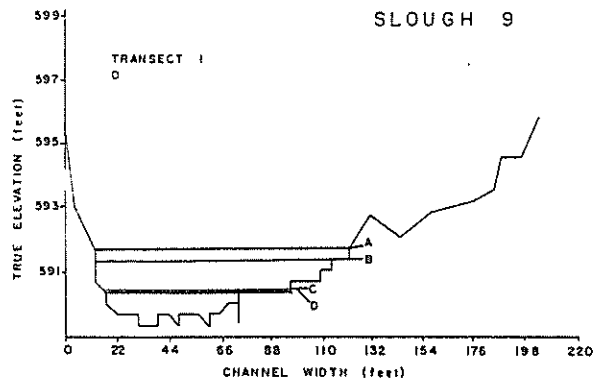
Appendix Figure 4-A-35. Cross sections of the head, mid-slough and mouth of Slough 20 depicting the water surface elevation corresponding to the slough and mainstem discharge.



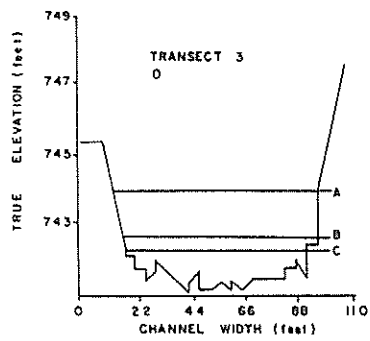
Appendix Figure 4-A-36. Cross sections of the head, mid-slough and mouth of Slough 22 depicting the water surface elevation corresponding to the slough and mainstem discharge.



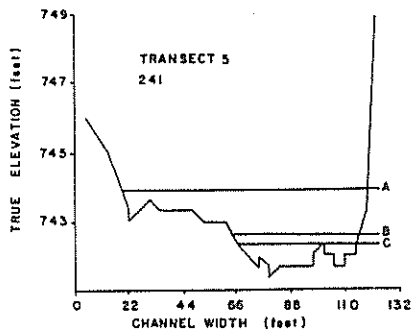
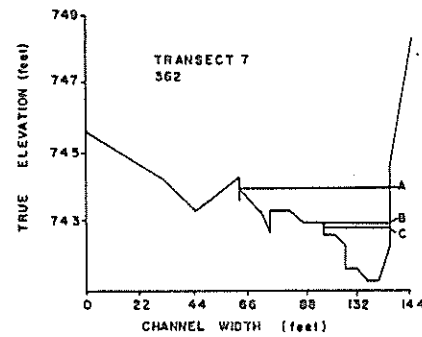
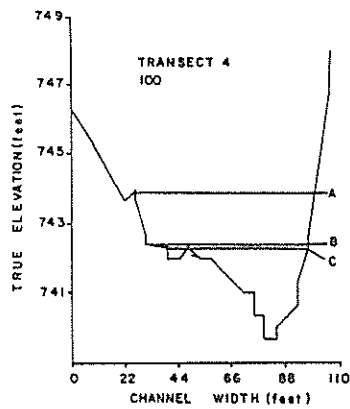
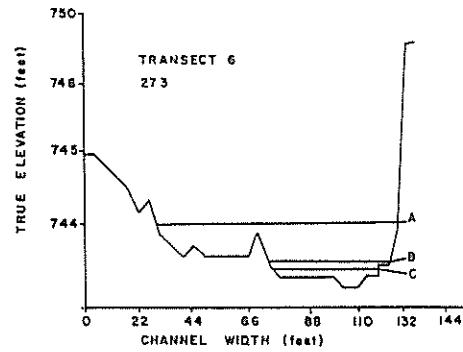
Appendix Figure 4-A-37 Cross sections of Slough 8A at 1982 survey transects at these discharges: A = 4 cfs, B = 7 cfs, C=20 cfs.



Appendix Figure 4-A-38 Cross sections of Slough 9 at 1982 ADF&G survey transects at four discharges: A = 3cfs, B = 8 cfs, C = 145 cfs, D = cfs.

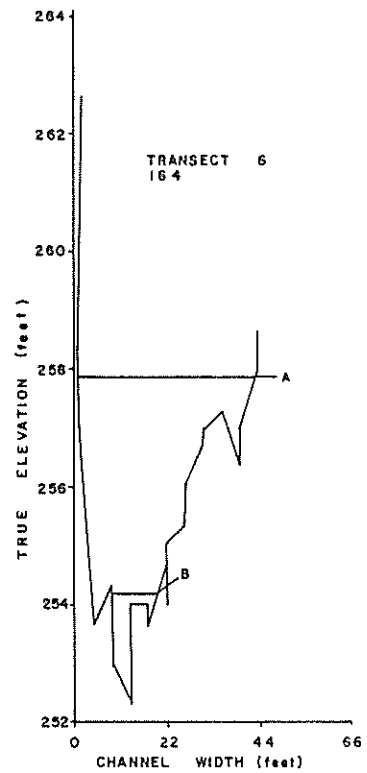
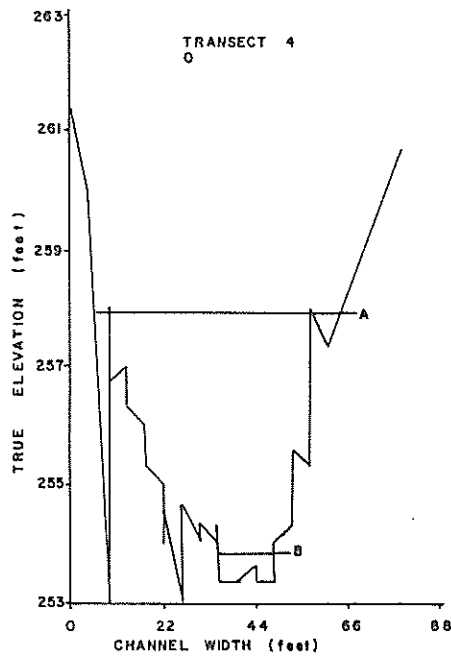


SLOUGH 21

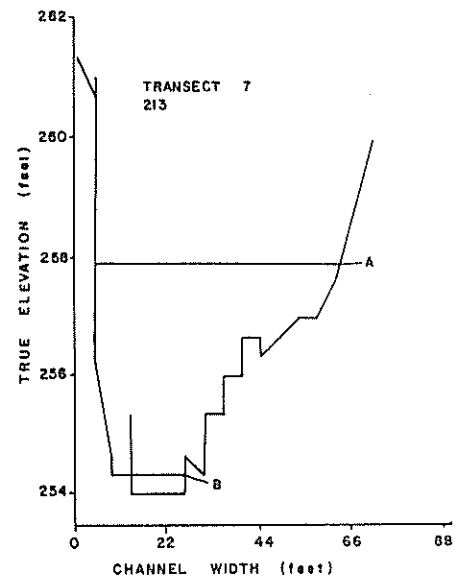
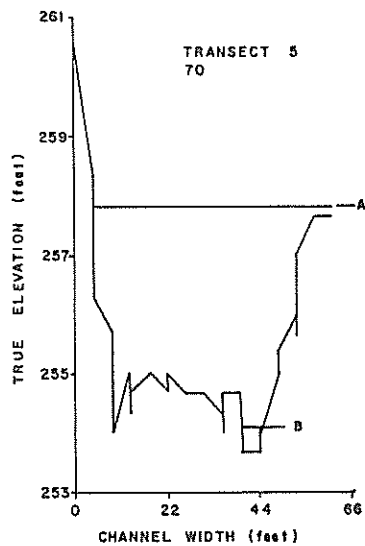


Appendix

Figure 4-6-39 Cross section of Slough 21 at 1982 ADF&G survey transects at three discharges: A = 5cfs, B = 10 cfs, C = 157 cfs.



RABIDEUX SLOUGH



Appendix Figure 4-A-40 Cross sections of Rabideux Slough at 1982 ADF&G survey transects at two discharges: A = 0.3 cfs, B = 281 cfs.

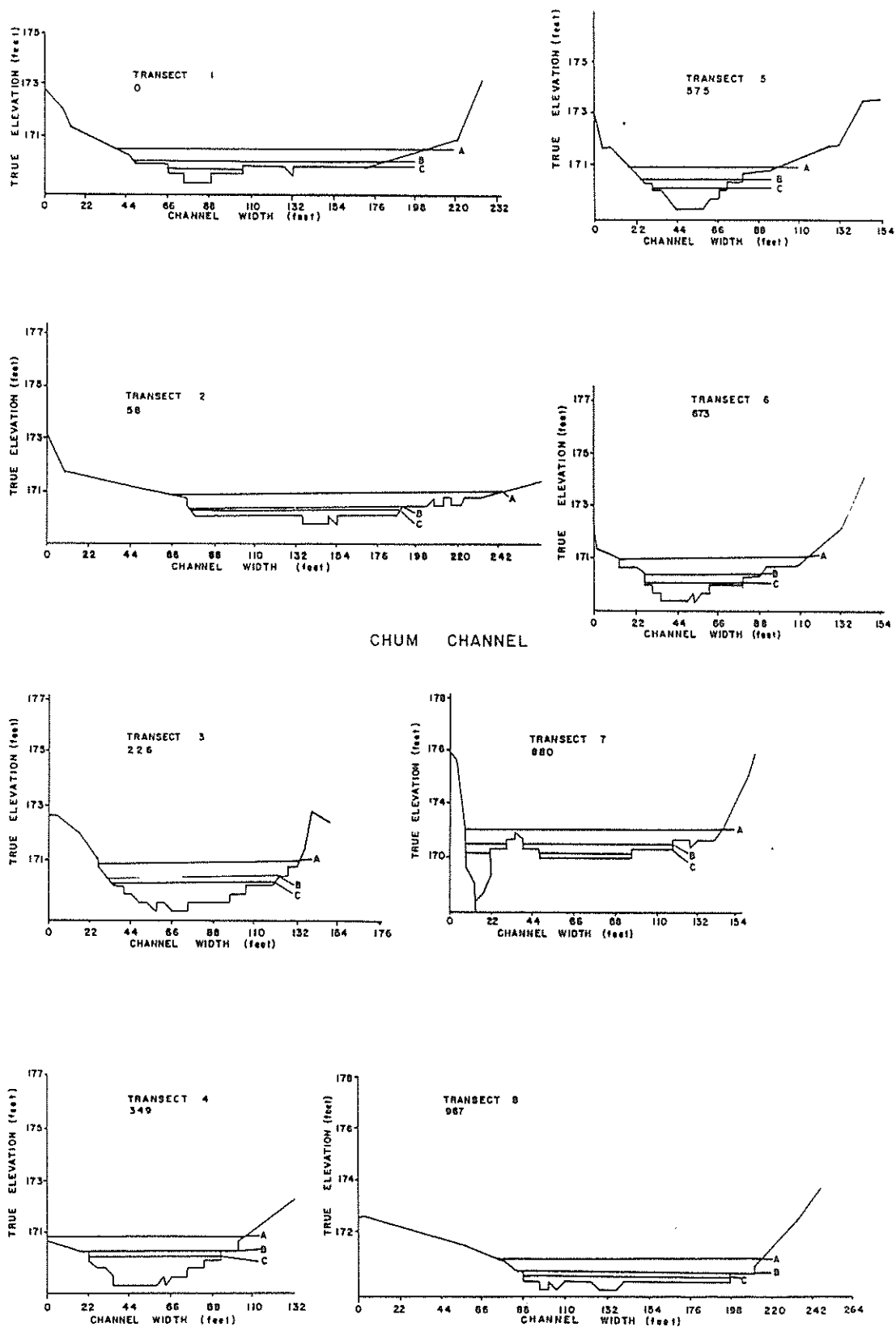


Figure 4-A-41 Cross sections of chum channel at 1982 ADF&G survey transects at three discharges: A - 0.4 cfs, B = 7 cfs, C = 90 cfs.

4-A-41

Appendix Table 4-A-1. Discharge measurements obtained during the open water season of 1982 from within the Susitna River basin.

River Mile ^a	Site	Geographic Code ^b	Date	Time	Gage No.	WSEL	Discharge (cfs) Non Mainstem	Discharge (cfs) Mainstem
							Instream Flow Evaluation	USGS Sunshine
73.5	Lower Goose 2 Slough Above Creek Confluence	S23N04W30BCB	820830	1540	----	----	10.30	78,000
			820915	1310	73.1S4A	208.95	458.00	140,000
			821001	1200	73.1S4A	207.35	1.76	31,500
73.2	Lower Goose 2 Slough Below Creek Confluence	S23N04W30BCB	820830	1430	73.1S1C	209.30	101.00	78,000
73.2	Lower Goose Creek 2	S23N04W30BCB	820830	1030	73.1T2C	212.85	84.10	78,000
			820915	1030	73.1T2C	213.76	251.00	140,000
			821001	1015	73.1T2C	213.06	137.38	31,500
78.7	Whitefish Slough Tributary to Slough	S23N05W01BBC	820915	1020	----	----	31.00	91,300
78.7	Whitefish Slough Mouth	S23N05W01BBC	820831	1930	78.7W1B	238.55	22.31	48,700
			820916	1200	78.7W1A	242.62	24.20	91,300
			821002	1000	78.7W1C	234.99	6.58	29,700
83.1	Rabideux Creek Mouth	S24N05W16ADC	820913	1630	83.1W1D	258.62	271.00	36,400
			821002	1600	83.1W1D	247.73	131.00	29,700
	Rabideux Creek Free Flowing	S24N05W16ADC	820831	1345	83.1T2C	261.67	222.91	48,700
820913			1145	83.1T2C	261.49	209.50	36,400	
821002			1400	83.1T2C	261.27	129.20	29,700	
85.7	Sunshine Creek	S24N05W14AAB	820805	1810	85.7T2C	266.69	47.20	50,400
			820901	1130	85.7T2C	267.20	31.76	47,200
			820918	1400	85.7T2B	268.88	103.88	76,500
			821004	1040	85.7T2C	266.94	68.58	25,800
85.7	Sunshine Creek Slough	S24N05W14AAB	820901	1330	85.7S3E	265.43	85.75	47,200
			820918	1545	85.7S3B	270.08	607.00	76,500
			821004	1015	85.7S3E	264.55	0.25	25,800

^aRiver mile taken from the most downstream portion of study site.^bGeographic code taken from the center of the study site

4-A-42

Appendix Table 4-A-1 (Continued).

River Mile ^a	Site	Geographic Code ^b	Date	Time	Gage No.	WSEL	Discharge (cfs)	Discharge (cfs)
							Non Mainstem	Mainstem
							Instream Flow Evaluation	USGS Sunshine
89.0	Birch Creek Slough 100 Yds Below Q Site	S25N05W25DCC	820805	1335	88.4S5B	284.58	89.30	50,400
			820902	1145	88.4S5B	284.42	75.40	43,700
			820919	1145	88.4S5B	285.33	131.80	69,500
			821003	1430	88.4S8A	284.42	86.48	27,800
89.1	Birch Creek Slough Above Creek Confluence	S25N05W25DCC	820902	1445	88.4S1C	284.75	15.68	43,700
89.0	Birch Creek 200 Ft Above Q Site	S25N05W25DCC	820805	1607	88.4T2B	281.10	62.38	50,400
			820805	1615	88.4T2B	281.10	64.30	50,400
			820902	1315	88.4T4B	282.46	68.20	43,700
			820919	1055	88.4T4B	282.81	114.10	69,500
			821003	1245	88.4T4B	282.56	76.40	27,800
Gold Creek								
101.4	Whiskers Creek Slough Q Site	S26N05W03AAC	820816	1700	101.2S3C	365.33	0.20	15,600
			820903	1625	101.2S3C	365.88	0.71	14,600
			820920	1530	101.2S3B	366.22	35.12	24,000
			821009	1145	101.2S3C	365.58	1.98	8,400
101.4	Whiskers Creek Q Site	S26N05W03ACC	820816	1830	101.2T1B	366.36	18.30	15,600
			820903	1830	101.2T2B	366.87	54.72	14,600
			820920	1615	101.2T2A	367.91	142.50	24,000
			821009	1100	101.2T2B	366.51	31.78	8,440
111.5	Gash Creek	S25N05W24ADA	820818	1150	111.5T1A	433.18	1.26	14,200
			820920	1645	111.5T1A	453.72	16.60	24,000
			821009	1515	111.5T1A	453.32	5.88	8,400
112.3	Slough 6A Mouth	S28N05W13CAC	820921	1040	112.3W1B	457.61	0.63	24,200
113.6	Lane Creek	S28N05W12ADD	820817	1424	113.6R&M	475.79	27.49	15,100
113.7	Lane Creek Slough	S28N05W12ADD	820903	1456	113.6S2B	468.30	2.05	14,600
			820917	1517	113.6S2A	470.71	20.75	32,000
			820920	1333	113.6S2B	469.40	9.92	24,000

^aRiver mile taken from the most downstream portion of study site.^bGeographic code taken from the center of the study site.

4-A-43

Appendix Table 4-A-1 (Continued).

River Mile ^a	Site	Geographic Code ^b	Date	Time	Discharge (cfs) Non Mainstem	Discharge (cfs) Mainstem
					Fishery ^c Habitat Utilization	USGS Gold Creek
125.2	Slough 8A	S30N03W30BCC	820827			12,900
	Transect 1			1130	03.21	
	Transect 2			1200	04.57	
	Transect 3			1225	04.03	
	Transect 4			1255	04.95	
	Transect 5			1400	11.92	
	Transect 6			1500	03.62	
	Transect 7			1530	04.52	
	Transect 8			1600	02.09	
	Transect 9			1620	02.79	
	Transect 10			1640	03.03	
	Transect 11			1705	02.49	
	Transect A		820826	1720	09.81	13,600
	Transect B			1636	0.55	
	Transect C			1620	01.68	
	Transect 1		820907	1630	08.52	11,700
	Transect 2			1605	09.23	
	Transect 3			1545	07.93	
	Transect 4			1530	06.78	
	Transect 5			1456	11.42	
	Transect 6			1433	06.15	
	Transect 7			1405	06.81	
	Transect 8			1340	05.49	
	Transect 9			1314	05.98	
	Transect 10			1153	06.07	
	Transect 11			1127	06.58	
	Transect A			1830	04.18	
	Transect B			1723	04.98	
	Transect C			1713	02.55	
	Transect 1		820919	1152	20.05	24,100
	Transect 2			1224	20.05	
	Transect 3			1250	21.97	
	Transect 4			1315	20.35	
	Transect 5			1450	20.61	
	Transect 6			1352	25.39	
	Transect 7			1409	20.19	

^aRiver mile taken from the most downstream portion of study site.^bGeographic code taken from the center of the study site.^cNo stage measurements were obtained.

Appendix Table 4-A-1 (Continued).

River Mile ^a	Site	Geographic Code ^b	Date	Time	Discharge (cfs) Non Mainstem	Discharge (cfs) Mainstem
					Fishery ^c Habitat Utilization	USGS Gold Creek
125.2	Slough 8A - Cont'd	S30N03W30BCC	820919			24,100
	Transect 8			1430	20.16	
	Transect 9			1535	19.13	
	Transect 10			1458	19.11	
	Transect 11			1601	19.19	
					18.91	
129.2	Slough 9	S30N03W16BDC				
	Transect 1		820812	1000	07.68	13,200
	Transect 2			1245	06.25	
	Transect 3			1430	07.69	
	Transect 4			1645	06.18	
	Transect 5			1845	04.77	
	Transect 6			1905	04.66	
	Transect 7			1930	02.96	
	Transect 8			2000	00.00	
	Transect 9			2030	00.00	
	Transect 10			2200	00.00	
	Transect 1		820825	1144	04.03	13,400
	Transect 2			1219	03.19	
	Transect 3			-----	---	
	Transect 4			1247	02.59	
	Transect 5			-----	---	
	Transect 6			1316	03.01	
	Transect 7			1340	02.61	
	Transect 8			1415	02.74	
	Transect 9			1438	03.42	
	Transect 10			1508	05.71	
	Transect A			1829	07.83	
	Transect B			2000	10.63	
	Transect C			1914	08.04	
	Transect D			1938	04.35	
	Transect 1		820904	1219	09.44	14,400
	Transect 2			1245	07.51	
	Transect 3			-----	---	
	Transect 4			1316	06.87	
	Transect 5			-----	---	

^aRiver mile taken from the most downstream portion of study site.^bGeographic code taken from the center of the study site.^cNo stage measurements were obtained.

4-9-45

Appendix Table 4-A-1 (Continued).

River Mile ^a	Site	Geographic Code ^b	Date	Time	Discharge (cfs) Non Mainstem	Discharge (cfs) Mainstem
					Fishery ^c Habitat Utilization	USCS Gold Creek
129.2	Slough 9 - Cont'd	S30N03W16BDC	820904			14,400
	Transect 6			1433	08.43	
	Transect 7			1452	07.57	
	Transect 8			1518	08.47	
	Transect 9			1543	08.73	
	Transect 10			1605	10.34	
	Transect A			1010	18.38	
	Transect B			1041	17.36	
	Transect C			1105	17.30	
	Transect D			1134	09.58	
	Transect 1		820918	1550	198.30	27,500
	Transect 2			1510	219.90	
	Transect 3			----	---	
	Transect 4			1430	223.40	
	Transect 5			----	---	
	Transect 6			1340	236.30	
	Transect 7			1305	206.90	
	Transect 8			1146	243.50	
	Transect 9			1045	249.20	
	Transect 10			0945	282.00	
	Transect 1		820920	1722	141.40	24,000
	Transect 2			1705	125.00	
	Transect 3			----	---	
	Transect 4			1633	136.70	
	Transect 5			----	---	
	Transect 6			1557	146.10	
	Transect 7			1536	160.92	
	Transect 8			1450	177.40	
	Transect 9			1359	141.10	
	Transect 10			1255	133.10	

^aRiver mile taken from the most downstream portion of study site.

^bGeographic code taken from the center of the study site.

^cNo stage measurements were obtained.

4-A-46

Appendix Table 4-A-1 (Continued).

River Mile ^a	Site	Geographic Code ^b	Date	Time	Gage No.	WSEL	Discharge (cfs) Non Mainstem	Discharge (cfs) Mainstem
							Instream Flow Evaluation	USGS Gold Creek
131.1	4th of July Creek	S30N03W03DAC	820803	1200	131.1T1A	625.35	38.33	19,800
135.3	Slough 11 Above Mouth	S31N02W30ABB	820830	1710	-----	----	5.44	13,100
135.7	Slough 11 Q Site	S31N02W30ABB	820830	1425	-----	670.72	3.06	13,100
			820918	1010	135.3S6A	670.80	5.52	27,500
135.8	Slough 11 Above Q Site	S31N02W30ABB	820830	1244	135.3S5A	675.42	1.30	13,100
138.0	Slough 16B Below Q Site	S31N02W17ABD	820902	1212	-----	----	0.96	16,000
			820914	1718	-----	----	0.41	20,200
138.0	Slough 16B Q Site	S31N02W17ABD	820801	1551	138.0S5B	700.85	54.80	26,400
			820915	1412	138.0S5A	701.70	257.64	28,200
			820919	----	138.0S5B	700.58	23.50	24,100
140.0	Slough 19	S31N02W10DBD	820819	1700	140.0W1B	718.79	0.18	13,300
			820819	1730	140.0W1B	718.79	0.40	13,300
140.2	Slough 20	S31N02W10ADB	820820	1643	140.1S5B	726.76	2.60	12,500
			820901	1545	140.1S5B	726.88	11.57	17,900
			820916	1415	140.1S5B	728.06	158.80	32,500
			820918	1825	140.1S5B	727.27	44.82	27,500
			820802	1220	140.1S5B	726.99	16.45	22,500
140.6	Slough 20 Tributary at Head	S31N02W10ADB	820901	1545	140.1T3B	730.22	0.17	17,900
			820916	1232	140.1T3B	731.40	23.45	32,500
			820918	1717	140.1T3B	730.74	9.28	27,500

^aRiver mile taken from the most downstream portion of study site.^bGeographic code taken from the center of the study site.

4-A-47

Appendix Table 4-A-1 (Continued).

River Mile ^a	Site	Geographic Code ^b	Date	Time	Discharge (cfs) Non Mainstem	Discharge (cfs) Mainstem
					Fishery ^c Habitat Utilization	USGS Gold Creek
141.8	Slough 21	S31N11W02AAA	820902			16,000
	Transect 1			1818	6.34	
	Transect 2			1750	6.49	
	Transect 3			1720	6.14	
	Transect 4			1705	5.57	
	Transect 5			1650	4.86	
	Transect 6			1635	4.39	
	Transect 7			1622	4.74	
	Transect 8			1540	7.78	
	Transect 1		820917	1140	538.00	32,000
	Transect 2			1510	513.51	
	Transect 3			1712	170.15	
	Transect 4			1800	161.93	
	Transect 5			1836	154.54	
	Transect 6			1900	152.36	
	Transect 7			1925	145.07	
	Transect 8			----	----	
	Transect 1		820919	1100	10.50	24,100
	Transect 2			1140	10.69	
	Transect 3			1100	10.53	
	Transect 4			1136	9.31	
	Transect 5			1215	9.27	
	Transect 6			1240	11.19	
	Transect 7			1235	19.23	
	Transect 8			1300	0.19	

^aRiver mile taken from the most downstream portion of study site.^bGeographic code taken from the center of the study site.^cNo stage measurements were obtained.

4-4-48

Appendix Table 4-A-1 (Continued).

River Mile ^a	Site	Geographic Code ^b	Date	Time	Gage No.	WSEL	Discharge (cfs) Non Mainstem	Discharge (cfs) Mainstem
							Instream Flow Evaluation	USGS Gold Creek
141.9	Slough 21 Q Site	S31N02W02AAA	820802	1400	142.0S6B	744.93	5.03	22,500
			820831	1518	142.0S6B	744.90	3.25	16,000
			820916	1024	142.0S6B	746.52	59.24	32,500
144.4	Slough 22 ADF&G Q Site	S32N01W32BBC	820802	1600	144.3S5B	783.52	2.47	22,500
			820831	1141	144.3S5B	783.60	1.64	16,000
144.4	Slough 22	S32N01W32BBC	820915	1642	144.3S6B	785.09	118.52	26,200
			820918	1425	144.3S6B	784.28	31.22	27,500
			820919	1124	144.3S6B	784.42	5.11	24,100

^aRiver mile taken from the most downstream portion of study site.^bGeographic code taken from the center of the study site.

Appendix Table 4-A-1 (Continued).

River Mile ^a	Site	Geographic Code ^b	Date	Discharge (cfs) Non Mainstem	Discharge (cfs) Mainstem
				Impoundment ^c	USGS V Canyon
176.7	Fog Creek	S31N04E16DBB	820815	269	11,800
			820912	307	7,830
181.3	Tsusena Creek	S32N04E36ADB	820816	330	12,200
			820912	363	7,830
186.7	Deadman Creek	S32N05E26CDB	820821	228	9,220
194.1	Wotana Creek	S32N06E25CCA	820815	229	11,800
			820919	557	12,400
208.5	Jay Creek	S31N05E13BCC	820812	61	9,990
			820919	154	12,400
231.3	Goose Creek	S30N11E32DBC	820819	79	9,580
			820916	150	18,800

^aRiver mile taken from the most downstream portion of study site.

^bGeographic code taken from the center of the study site.

^cNo stage measurements were obtained.

4-A-51

Appendix Table 4-A-2 Comparison of mainstem water surface elevations to mean daily mainstem discharge (CFS), obtained at the USGS gaging station at Gold Creek.

Location	Date	Time	WSEL (ft)	Discharge (CFS)
Left Bank at LRX-6 (R.M. 101.0)	821009	1245	360.36	8,400
	820909	1700	361.40	13,400
	820904	1330	362.13	14,400
	820920	1500	363.72	24,000
Mainstem at Whiskers Creek Slough (R.M. 101.2)	821012	1633	362.73	7,950
	821009	1030	362.89	8,440
	821007	1415	362.96	8,640
	820822	1630	363.44	12,200
	820823	1124	363.47	12,300
	820924	1720	363.65	12,900
	820909	1250	363.64	13,400
	820813	1420	363.70	13,600
	810927	1825	363.83	13,800
	820903	1545	363.97	14,600
	820831	----	364.07	16,000
	820807	1347	364.13	16,500
	820808	1950	364.22	16,600
	820920	1450	365.39	24,000
	820715	1110	365.38	25,600
Talkeetna Fish Wheel Camp (R.M. 103.0)	821012	1150	374.90	6,900
	821011	1325	374.97	6,900
	821010	1310	375.06	7,050
	821009	1350	375.04	7,080
	821008	1300	375.07	7,170
	821006	1305	375.26	7,500
	820908	1535	375.99	11,900
	820822	1000	375.98	12,200
	820821	1415	376.05	12,200
	820829	1000	376.00	12,200
	820823	1000	376.02	12,300
	820828	1725	376.10	12,400
	820929	1345	376.12	12,400
	820930	0830	376.09	12,500
	820820	1100	376.12	12,500
	820928	1410	376.27	12,900
	820827	1715	376.24	12,900
	820912	1420	376.33	13,200
	820909	1440	376.32	13,400
	820911	1530	376.39	13,600
	820905	2030	376.43	13,600
	820814	1505	376.39	13,600
	820927	1610	376.47	13,800

---- Data not available.

4-A-52

Appendix Table 4-A-2 (Continued).

Location	Date	Time	WSEL (ft)	Discharge (CFS)
Talkeetna Fish Wheel Camp - Cont'd (R.M. 103.0)	820910	1440	376.60	14,400
	820812	2000	376.61	14,400
	820815	1300	376.58	14,800
	820925	1410	376.76	15,000
	820913	1520	376.72	15,200
	820816	0930	376.80	15,600
	820707	1715	376.86	16,600
	820924	1530	377.13	17,100
	820923	1800	377.53	19,400
	820914	1510	377.75	20,200
	820721	2400	377.92	21,900
	820922	1255	378.20	22,300
	820802	1425	378.21	22,500
	820729	1630	378.31	23,600
	820920	1610	378.51	24,000
	820921	1340	378.41	24,200
	820719	0715	378.42	24,900
	820718	2300	378.43	25,400
	820716	1300	378.42	25,600 ^a
	820623	2130	378.67	26,000 ^a
	820801	1645	378.76	26,400
	820730	1320	378.90	26,400
	820724	1345	378.87	26,800
	820625	2200	378.99	27,000 ^a
	820714	0745	378.81	27,300
	820918	1217	379.02	27,500
	820626	1535	379.24	28,000 ^a
	820731	1100	379.24	28,400
	820727	1535	379.24	29,100
	820628	1600	379.40	30,000 ^a
	820726	1430	379.88	31,800
	820725	1255	379.95	31,900
	820916	1445	380.01	32,500
Right Bank at LRX-9 (R.M. 103.2)	821012	1631	377.42	7,950
	821010	1000	377.70	8,480
	820909	1700	379.10	13,400
	820903	1630	379.49	14,600
	820831	----	379.60	16,000
Side Channel at Gash Creek (R.M. 111.5)	821009	1500	448.54	8,440
	821004	1505	448.79	10,500
	820818	1328	449.09	14,200
	820920	1710	449.92	24,000
	820921	1240	449.75	24,200

Data not available.

^aGold Creek stream gage malfunctioned, USGS estimated value. Not used in plotting stage-discharge curve.

Appendix Table 4-A-2 (Continued).

<u>Location</u>	<u>Date</u>	<u>Time</u>	<u>WSEL (ft)</u>	<u>Discharge (CFS)</u>
Head Gash Creek Side Channel (R.M. 112.1)	821012	1625	453.34	7,950
	821004	1737	453.82	10,500
	820920	1539	455.59	24,000
Mainstem at Slough 6A (R.M. 112.3)	821006	1600	455.04	8,960
	820807	1205	456.43	16,500
	820722	1515	457.11	22,400
	820729	1445	457.29	23,600
	820921	1000	457.41	24,200
	820723	1100	457.27	24,900
	820917	1720	458.22	32,000
Right Bank at LRX-18 (R.M. 113.0)	821012	1623	459.92	7,950
	821008	1500	460.14	8,480
	821004	1325	460.65	10,500
	820909	1645	461.36	13,400
	820903	1600	461.64	14,600
	820831	----	461.66	16,000
	820920	1518	462.89	24,000
Curry Fish Wheel Camp (R.M. 120.6)	821004	1144	521.11	10,500
	820907	1930	521.49	11,700
	820908	2030	521.46	11,900
	820906	2030	521.49	12,200
	820829	2030	521.56	12,200
	820821	1000	521.52	12,200
	820828	2030	521.60	12,400
	820820	1800	521.63	12,500
	820827	2000	521.62	12,900
	820912	2000	521.68	13,200
	820911	2000	521.87	13,600
	820905	2030	521.76	13,600
	820910	2000	521.95	14,400
	820812	2000	521.96	14,400
	820903	2030	522.03	14,600
	820815	1230	522.03	14,800
	820811	1800	522.09	15,400
	820816	1830	522.13	15,600
	820902	2030	522.13	16,000
	820707	1030	522.25	16,600
	820810	1800	522.27	16,700
	820706	1000	522.32	17,100
	820705	1000	522.35	17,400
	820704	1200	522.48	18,000
	820708	1100	522.37	18,100
	820703	1130	522.70	19,600

---- Data not available.

4-A-54

Appendix Table 4-A-2 (Continued).

<u>Location</u>	<u>Date</u>	<u>Time</u>	<u>WSEL (ft)</u>	<u>Discharge (CFS)</u>
Curry Fish Wheel Camp - Cont'd (R.M. 120.6)	820803	1900	522.65	19,800
	820914	2000	522.85	20,200
	820709	1000	522.73	21,500
	820721	1930	522.89	21,900
	820722	2130	522.01	22,400
	820702	1200	523.14	22,800
	820710	1800	523.11	23,000
	820729	1500	523.31	23,600
	820711	-----	523.13	24,000
	820920	1239	523.40	24,000
	820719	2000	523.23	24,900
	820701	1130	523.34	25,000
	820717	1800	523.43	25,300
	820718	1830	523.54	25,400
	820728	1530	523.53	25,600
	820716	2000	523.39	25,600
	820715	0900	523.66	25,600
	820624	1500	523.64	26,000 ^a
	820623	1030	523.63	26,000 ^a
	820801	2100	523.42	26,400
	820712	1600	523.57	26,500
	820724	2200	523.59	26,800
	820625	1300	523.77	27,000 ^a
	820630	1100	523.57	27,000 ^a
	820714	1500	523.72	27,300
	820626	1030	523.98	28,000 ^a
	820731	1100	524.00	28,400
	820627	1200	523.94	29,000 ^a
	820629	1100	524.05	29,000 ^a
	820727	1800	524.14	29,100
	820628	2230	524.19	30,000 ^a
	820726	1300	524.46	31,800
	820725	1800	524.49	31,900
	820916	2000	524.56	32,500
Right Bank at LRX-24 (R.M. 120.7)	821012	1617	520.88	7,950
	821008	1300	521.04	8,480
	821004	1139	521.60	10,500
	820907	1000	521.70	11,700
	820908	0930	521.72	11,900
	820829	1500	521.82	12,200
	820906	1800	521.82	12,200
	820930	1652	522.06	12,500
	820830	1330	522.01	13,100
	820912	1030	522.06	13,200

---- Data not available.

Appendix Table 4-A-2 (Continued).

<u>Location</u>	<u>Date</u>	<u>Time</u>	<u>WSEL (ft)</u>	<u>Discharge (CFS)</u>
Right Bank at LRX-24 - Cont'd (R.M. 120.7)	820909	1645	522.08	13,400
	820911	1030	522.12	13,600
	820910	0945	522.22	14,400
	820903	1350	522.35	14,600
	820913	1220	522.49	15,200
	820831	1230	522.58	16,000
	820914	1600	523.18	18,200
	820919	1226	524.05	24,100
Right Bank at LRX-28 (R.M. 124.4)	821008	1000	552.39	8,480
	821004	1129	553.14	10,500
	820930	1352	553.80	12,500
	820909	1645	554.17	13,400
	820903	1233	554.47	14,600
	820902	1836	554.61	16,000
	820919	1201	556.77	24,100
Right Bank at LRX-29 (R.M. 126.1)	821012	1608	568.41	7,950
	821004	1123	569.51	10,500
	821001	1100	570.02	12,400
	820909	1640	570.41	13,400
	820831	----	570.91	16,000
	820920	1131	572.18	24,000
Right Bank at LRX-31 (R.M. 128.7)	821012	1605	595.05	7,950
	821004	1117	595.95	10,500
	821001	1259	596.39	12,400
	820909	1640	596.92	14,400
	820903	1220	597.15	14,600
	820902	1619	597.29	16,000
	820831	----	597.22	16,000
	820919	1103	598.38	24,100
Right Bank at LRX-35 (R.M. 130.9)	821012	1603	615.95	7,950
	821004	1107	617.14	10,500
	821001	1406	617.58	12,400
	820909	1630	618.05	13,400
	820903	1210	618.28	14,600
	820902	1518	618.47	16,000
	820831	----	618.55	16,000
	820919	1040	619.86	24,100
	820915	1047	620.66	28,200
	820917	1016	621.08	32,000
Mainstem at 4th of July Creek (R.M. 131.1)	821012	1603	615.17	7,950
	820907	1750	615.64	11,700

---- Data not available.

4-A-56

Appendix Table 4-A-2 (Continued).

Location	Date	Time	WSEL (ft)	Discharge (CFS)
Mainstem at 4th of July Creek - Cont'd (R.M. 131.1)	820822	1340	615.63	12,200
	820813	1235	615.69	13,600
	820818	1735	615.74	14,200
	820902	1705	616.01	16,000
	820915	1100	618.19	28,200
	820917	1104	618.72	32,000
Left Bank at LRX-40 (R.M. 134.3)	821012	1601	655.44	7,950
	821004	1059	655.83	10,500
	821001	1631	655.99	12,400
	820909	1430	656.24	13,400
	820902	1452	656.47	16,000
	820831	----	656.49	16,000
	820914	1815	657.12	20,200
	820919	1006	657.60	24,100
	820915	1119	658.37	28,200
	820917	1005	658.67	32,000
Side Channel below mouth of Slough 11 (R.M. 135.3)	821012	1555	665.56	7,950
	821002	1040	666.68	11,700
	820906	1600	666.86	12,200
	820929	1830	666.81	12,400
	820830	1740	667.46	13,100
	820909	1420	667.36	13,400
	820831	----	668.16	16,000
Side Channel above mouth of Slough 11 (R.M. 135.3)	821012	1555	667.50	7,950
	820907	1820	668.10	11,700
	820822	1535	667.92	12,200
	820830	1735	668.62	13,100
	820909	1420	668.55	13,400
	820831	----	668.80	16,000
	820728	2030	669.44	25,600
	820624	1020	669.75	26,000 ^a
	820622	1050	670.15	26,000 ^a
	820714	1210	669.67	27,300 ^a
	820621	1045	670.64	28,000 ^a
Mainstem at Mouth of Slough 16B (R.M. 137.9)	821012	1551	694.22	7,950
	821002	1425	695.62	11,700
	820822	1440	696.06	12,200
	820909	1420	696.49	13,400
	820813	1105	696.53	13,600
	820902	1115	697.05	16,000
	820914	1656	698.04	20,200

---- Data not available.

^aGold Creek stream gage malfunctioned, USGS estimated value. Not used in plotting stage-discharge curve.

4-A-57

Appendix Table 4-A-2 (Continued).

<u>Location</u>	<u>Date</u>	<u>Time</u>	<u>WSEL (ft)</u>	<u>Discharge (CFS)</u>
Mainstem at Mouth of Slough 16B - Cont'd (R.M. 137.9)	820920	1340	698.69	24,000
	820919	1705	698.72	24,100
	820723	1000	698.74	24,900
	820915	1259	699.93	28,200
	820726	1230	700.00	31,800
	820725	1105	700.05	31,900
Mainstem at Head of Slough 16B (R.M. 138.3)	820909	1420	701.98	13,400
	820813	1020	702.02	13,600
	820831	1900	702.55	16,000
	820914	1623	703.32	20,200
	820920	1330	703.76	24,000
	820919	1540	703.73	24,100
	820915	1249	704.72	28,200
	820725	1120	704.78	31,900
Right Bank at LRX-50 (R.M. 138.5)	821012	1550	701.95	7,950
	821003	1743	702.86	11,000
	821002	1620	703.01	11,700
	820904	1415	703.97	14,400
	820902	1210	704.39	16,000
	820901	1906	704.88	17,900
	820914	1515	705.22	20,200
	820919	1531	705.57	24,100
	820918	1912	705.82	27,500
Right Bank at LRX-51 (R.M. 138.9)	821012	1549	707.00	7,950
	821003	1742	707.68	11,000
	821002	----	707.72	11,700
	820909	1415	708.34	13,400
	820902	1205	708.73	16,000
	820914	1512	709.47	20,200
	820919	1530	710.07	24,100
Mainstem at Slough 19 (R.M. 139.8)	821012	1548	719.13	7,950
	821003	1740	719.91	11,000
	820822	1400	720.33	12,200
	820820	0910	720.31	12,500
	820819	1020	720.43	13,300
	820819	1734	720.47	13,300
	820909	1330	720.59	13,400
	820905	1530	720.52	13,600
	820831	1825	721.00	16,000
	820807	1000	721.03	16,500
	820806	1505	721.08	16,800
	820901	1747	721.23	17,900

---- Data not available.

Appendix Table 4-A-2 (Continued).

<u>Location</u>	<u>Date</u>	<u>Time</u>	<u>WSEL (ft)</u>	<u>Discharge (CFS)</u>
Mainstem at Slough 19 - Cont'd (R.M. 139.8)	820708	1315	721.21	18,100
	820914	1502	721.45	20,200
	820711	1930	721.98	24,000
	820919	1525	721.75	24,100
	820622	1110	722.75	26,000 ^a
	820623	0940	722.20	26,000 ^a
	820801	1706	721.96	26,400
	820620	1920	723.08	28,000 ^a
	820621	-----	723.24	28,000 ^a
	820727	1310	722.44	29,100
	820726	1245	722.61	31,800
	820725	1140	722.67	31,900
	820916	1530	722.92	32,500
Right Bank at LRX-53 (R.M. 140.1)	821012	1547	722.34	7,950
	821010	1300	722.62	8,480
	821003	1621	723.19	11,000
	820822	1335	723.62	12,200
	820821	0930	723.53	12,200
	820820	1905	723.62	12,500
	820819	1945	723.70	13,300
	820813	0930	723.97	13,600
	820926	1215	723.96	14,000
	820831	1820	724.39	16,000
	820807	1045	724.51	16,500
	820901	1500	724.76	17,900
	820708	1500	724.73	18,100
	820804	1430	724.80	18,500
	820914	1412	724.98	20,200
	820802	1305	725.41	22,500
	820920	1248	725.52	24,000
	820919	1514	725.52	24,100
	820619	-----	726.23	25,000 ^a
	820623	0940	725.96	26,000 ^a
	820622	1115	726.66	26,000 ^a
	820801	1803	725.69	26,400
	820714	1200	725.71	27,300
	820918	1806	725.78	27,500
	820915	1532	726.55	28,200
	820727	1150	726.32	29,100
	820725	1700	726.31	31,900
Mainstem at Head of Slough 20 (R.M. 140.6)	821012	1546	729.99	7,950
	821003	1540	730.39	11,000

----- Data not available.

^aGold Creek stream gage malfunctioned, USGS estimated value. Not used in plotting stage-discharge curve.

Appendix Table 4-A-2 (Continued).

<u>Location</u>	<u>Date</u>	<u>Time</u>	<u>WSEL (ft)</u>	<u>Discharge (CFS)</u>
Right Bank at LRX-54 (R.M. 140.8)	821003	1527	731.58	11,000
	820831	1802	732.75	16,000
	820901	1412	733.16	17,900
	820914	1400	733.40	20,200
	820919	1443	733.91	24,100
	820918	1658	734.22	27,500
Right Bank at LRX-56 (R.M. 142.1)	821012	1543	750.72	7,950
	821011	1600	751.06	8,220
	821003	1300	751.73	11,000
	821002	0950	751.96	11,700
	821001	1110	752.07	12,400
	820909	1330	752.56	13,400
	820927	1500	752.48	13,800
	820831	----	752.96	16,000
	820914	1252	753.59	20,200
	820920	1230	754.06	24,000
	820919	1319	754.09	24,100
	820918	1600	754.33	27,500
	820915	1602	754.94	28,200
Right Bank at LRX-57 (R.M. 142.3)	821012	1542	750.74	7,950
	821001	1310	752.05	12,400
	820909	1330	752.53	13,400
	820813	0915	752.67	13,600
	820831	----	753.17	16,000
	820901	1257	753.57	17,900
	820708	1615	753.76	18,100
	820914	1248	753.89	20,200
	820709	1250	754.41	21,500
	820802	1450	754.34	22,500
	820720	1535	754.41	22,900
	820920	1214	754.58	24,000
	820919	1317	754.55	24,100
	820728	1225	754.94	25,600 ^a
	820623	1100	755.08	26,000 ^a
	820622	1330	755.67	26,000 ^a
	820620	----	756.16	28,000 ^a
	820915	1604	755.66	28,200
	820726	1300	755.63	31,800
	820725	1500	756.16	31,900
	820916	1002	755.96	32,500
Mainstem at Slough 22 (R.M. 144.7)	821012	1534	783.95	7,950
	821002	0959	785.80	11,700

---- Data not available.

^aGold Creek stream gage malfunctioned, USGS estimated value. Not used in plotting stage-discharge curve.

4-A-60

Appendix Table 4-A-2 (Continued).

<u>Location</u>	<u>Date</u>	<u>Time</u>	<u>WSEL (ft)</u>	<u>Discharge (CFS)</u>
Mainstem at Slough 22 - Cont'd (R.M. 144.7)	820909	1330	786.60	13,400
	820813	0855	786.69	13,600
	820831	1115	787.07	16,000
	820807	1215	787.27	16,500
	820901	1240	787.52	17,900
	820708	1800	787.69	18,100
	820914	1129	787.78	20,200
	820802	1720	788.06	22,500
	820720	1100	788.39	22,900
	820920	1125	788.40	24,000
	820919	1038	788.37	24,100
	820728	1135	788.82	25,600
	820623	1735	788.90	26,000
	820622	1615	789.48	26,000
	820918	1547	788.76	27,500
	820918	1400	788.85	27,500
	820726	1315	789.57	31,800
Left Bank at LRX-61 (R.M. 148.7)	821012	1535	Dry	7,950
	820909	1325	834.25	13,400
	820904	1800	834.45	14,400
	820709	----	836.09	21,500
	820710	1600	836.20	23,000
	820726	1500	837.00	31,800
Left Bank at LRX-62 (R.M. 148.9)	821012	1532	Dry	7,950
	820909	1325	836.53	13,400
	820909	----	836.45	13,400
	820904	1800	836.68	14,400
	820709	----	838.39	21,500
	820919	1800	838.79	24,100

---- Data not available.

4-A-6/

Appendix Table 4-A-3. Comparison of periodic water surface elevations (WSEL) at selected sloughs upstream of Talkeetna to the corresponding average daily mainstem discharge at Gold Creek^a.

Part A: Upland Sloughs ^b				
<u>Location</u>	<u>Date</u>	<u>Time</u>	<u>WSEL (ft)</u>	<u>Discharge (cfs)</u>
Mouth of Slough 6A Gage Site 112.3W1 (R.M. 112.3)	821009	1600	455.13	8,440
	820822	1645	455.92	12,200
	820820	1725	456.02	12,500
	820926	1405	456.41	14,000
	820910	1330	456.40	14,400
	820925	1740	456.53	15,000
	820807	1200	456.58	16,500
	820808	1720	456.68	16,600
	820709	1850	457.20	21,500
	820729	1445	457.46	23,600
	820921	1000	457.63	24,200
	820917	1717	458.33	32,000
Mouth of Slough 19 Gage Site 140.0W1 (R.M. 139.8)	821002	1733	718.61	11,700
	820820	0925	718.76	12,500
	820819	1050	718.73	13,300
	820813	1015	718.85	13,600
	820905	1515	718.76	13,600
	820925	1150	719.02	15,000
	820831	1832	719.43	16,000
	820807	1000	719.69	16,500
	820806	1510	719.83	16,800
	820708	1300	720.16	18,100
	820914	1507	720.60	20,200
	820622	1110	721.28	26,000 ^c
	820623	0940	721.79	26,000 ^c
	820801	1656	722.20	26,400
	820620	1910	722.18	28,000 ^c
	820620	1110	722.30	28,000 ^c
	820915	1550	721.97	28,200
	820727	1315	721.55	29,100
	820726	1245	721.88	31,800

^aUSGS provisional data, 1982.

^bThe upstream end (head) of a side slough is usually connected to the mainstem (breached) during high flows.

^cGold Creek stream gage malfunctioned, USGS estimated value.

Appendix Table 4-A-3 (Continued)

Part B: Side Sloughs^b

<u>Location</u>	<u>Date</u>	<u>Time</u>	<u>WSEL (ft)</u>	<u>Discharge (cfs)</u>
Mouth of Whiskers Creek Slough	821009	1030	362.92	8,440
Gage Site 101.2W1	820823	1126	363.44	12,300
(R.M. 101.2)	820928	1715	363.64	12,900
	820909	1500	363.67	13,400
	820927	1605	363.85	13,800
	820903	1550	363.97	14,600
	820816	1715	364.03	15,600
	820709	1715	364.77	21,500
	820710	1030	365.84	23,000
	820920	1515	365.38	24,000
	820611	----	365.86	24,000 ^c
	820621	1300	366.75	28,000 ^c
	820726	1720	366.38	31,800
	820725	1100	366.88	31,900
Mid-Slough at Whiskers Creek Slough	821009	1145	365.58	8,440
	821006	1300	365.58	8,960
Gage Site 101.2S3	820908	1540	365.61	11,900
(R.M. 101.4)	820822	1353	365.56	12,200
	820928	1705	365.64	12,900
	820813	1355	365.61	13,600
	820927	1550	365.68	13,800
	820903	1550	365.65	14,600
	820816	1445	365.60	15,600
	820920	1530	366.20	24,000
	820611	----	366.64	24,000 ^c
	820715	1300	366.16	25,600
	820622	0935	367.22	26,000 ^c
	820621	1300	367.61	28,000 ^c
Head of Whiskers Creek Slough	820904	1300	367.3 ^d	14,400
Gage Site 101.2H5	820903	1550	367.3 ^d	14,600
(R.M. 101.6)	820816	1445	367.3 ^d	15,600
	820920	1830	368.09	24,000
	820715	1415	368.18	25,600
	820725	1040	368.89	31,900

^aUSGS provisional data, 1982.^bThe upstream end (head) of a side slough is usually connected to the mainstem (breached) during high flows.^cGold Creek stream gage malfunctioned, USGS estimated value.^dGage was dewatered, 703.75 ft. was point of zero flow.

Appendix Table 4-A-3 (Continued)

Part B: Side Sloughs ^b				
<u>Location</u>	<u>Date</u>	<u>Time</u>	<u>WSEL (ft)</u>	<u>Discharge (cfs)</u>
Mid-Slough at Lane Creek Slough	821004	1235	468.24	10,500
Gage Site 113.6S2	820903	1456	468.28	14,600
(R.M. 113.6)	820925	1110	468.35	15,000
	820722	1010	468.80	22,400
	820920	1329	469.41	24,000
	820723	1010	469.15	24,900
	820917	1517	470.75	32,100
Head of Lane Creek Slough	820903	----	Dry	14,600
Gage Site 113.6H4	820920	1310	Dry	24,000
(R.M. 114.1)	820917	1830	474.30	32,000
Mouth of Slough 11	821002	1040	667.01	11,700
Gage Site 135.3W1	820907	1825	667.15	11,700
(R.M. 135.3)	820822	1540	667.32	12,200
	820906	1600	667.23	12,200
	820830	1740	667.77	13,100
	820813	1115	667.81	13,600
	820812	0935	667.91	14,400
	820811	1825	668.04	15,400
	820920	1026	669.41	24,000
	820728	2030	669.37	25,600
Mouth of Slough 11	820622	1045	670.16	26,000 ^c
Gage Site 135.3W1	820624	1020	669.72	26,000 ^c
(R.M. 135.3)	820714	1210	669.67	27,300
	820918	1026	669.71	27,500
	820621	1040	670.66	28,000 ^c
Mid-Slough at Slough 11	821003	1513	670.77	11,000
Gage Site 135.3S6	821002	1100	670.76	11,700
(R.M. 135.7)	820929	1800	670.75	12,400
	820920	1300	670.80	24,000
	820921	1130	670.80	24,200
	820929	1800	670.75	24,400

^aUSGS provisional data, 1982

^bThe upstream end (head) of an upland slough is not normally connected to the mainstem (breached) during high flows.

^cGold Creek stream gage malfunctioned, USGS estimated value.

Appendix Table 4-A-3 (Continued)

Part B: Side Sloughs^b

<u>Location</u>	<u>Date</u>	<u>Time</u>	<u>WSEL (ft)</u>	<u>Discharge (cfs)</u>
Head of Slough 11	820830	----	684.0 ^c	13,100
Gage Site 135.3H3	820813	1140	684.0 ^c	13,600
(R.M. 136.5)	820812	0935	684.0 ^c	14,400
	820811	1805	684.0 ^c	15,400
	820716	1255	684.0 ^c	25,600
	820918	1025	684.0 ^c	27,500
Mouth of Slough 16B	821002	1435	697.28	11,700
Gage Site 138.0W1	820822	1445	697.18	12,200
(R.M. 137.9)	820813	1035	697.20	13,600
	820902	1130	697.20	16,000
	820919	1641	698.38	24,100
	820915	1352	699.92	28,200
	820725	1110	700.06	31,900
Mid-Slough at Slough 16B	821002	1454	700.08	11,700
Gage Site 138.0S5	820822	1500	700.05	12,200
(R.M. 138.0)	820813	1040	700.07	13,600
	820902	1140	700.10	16,000
	820914	1722	700.18	20,200
	820919	1617	700.58	24,100
	820801	1551	700.85	26,400
	820915	1412	701.69	28,200
Head of Slough 16B	820813	1020	703.0 ^d	13,600
Gage Site 138.0H3	820831	1900	703.0 ^d	16,000
(R.M. 138.3)	820914	1626	703.17	20,200
	820920	1310	703.55	24,000
	820919	1543	703.51	24,100
	820915	1252	704.50	28,200
	820725	1115	704.59	31,900

^aUSGS provisional data, 1982.

^bThe upstream end (head) of a side slough is usually connected to the mainstem (breached) during high flows.

^cGold Creek stream gage malfunctioned, USGS estimated value.

^dGage was dewatered, 703.75 ft. was point of zero flow.

Appendix Table 4-A-3 (Continued)

Part B: Side Sloughs^b

<u>Location</u>	<u>Date</u>	<u>Time</u>	<u>WSEL (ft)</u>	<u>Discharge (cfs)</u>
Mouth of Slough 20	821010	1700	724.23	8,480
Gage Site 140.1W4	820822	1330	724.16	12,200
(R.M. 140.1)	820821	0935	724.16	12,200
	820820	1850	724.20	12,500
	820819	1950	724.22	13,300
	820813	0920	724.29	13,600
	820905	1550	724.33	13,600
	820831	1820	724.43	16,000
Mouth of Slough 20 - Cont'd	820901	1500	724.57	17,900
Gage Site 140.1W4	820914	1420	724.82	20,200
(R.M. 140.1)	820802	1300	724.15	22,500
	820711	1900	725.26	24,000
	820920	1255	725.40	24,000
	820619	----	725.90	25,000 ^c
	820622	1115	726.30	26,000 ^c
	820623	0945	725.65	26,000 ^c
	820724	1100	725.69	26,800
	820918	1810	725.48	26,800
	820727	1125	726.04	29,100
	820916	1345	726.59	32,500
Mid-Slough at Slough 20	821010	1730	726.89	8,480
Gage Site 140.1S5	821003	1645	726.92	11,000
(R.M. 140.2)	820820	1115	726.72	12,500
	820813	0920	726.80	13,600
	820807	1130	726.85	16,500
	820901	1715	726.89	17,900
	820804	1200	726.90	18,500
	820914	1424	727.07	20,200
	820802	1210	726.99	22,500
	820623	0950	727.17	26,000 ^c
	820724	1130	727.19	26,800
	820727	1125	727.50	29,100
	820916	1415	728.00	32,500

^aUSGS provisional data, 1982.^bThe upstream end (head) of a side slough is usually connected to the mainstem (breached) during high flows.^cGold Creek stream gage malfunctioned, USGS estimated value.

Appendix Table 4-A-3 (Continued)

Part B: Side Sloughs^b

<u>Location</u>	<u>Date</u>	<u>Time</u>	<u>WSEL (ft)</u>	<u>Discharge (cfs)</u>
Head of Slough 20	820820	1145	730.75 ^d	12,500
Gage Site 140.1H2	820901	1715	730.75 ^d	17,900
(R.M. 140.5)	820914	1430	730.75 ^d	20,200
	820709	1225	730.96	21,500
	820802	1235	731.04	22,500
	820920	1240	731.08	24,000
	820711	1800	731.26	24,000
	820619	----	731.61	25,000 ^c
Head of Slough 20 - Cont'd	820622	1145	731.43	26,000 ^c
Gage Site 140.1H2	820623	1010	731.77	26,000 ^c
(R.M. 140.5)	820918	1712	731.39	27,500
	820915	1539	731.76	28,200
	820727	1200	731.82	29,100
	820916	1220	731.95	32,500
Mouth of Slough 21	820821	1000	744.67	12,200
Gage Site 142.0W5	821001	1350	744.72	12,400
(R.M. 141.8)	820820	1700	744.68	12,500
	820813	0925	744.70	13,600
	820927	1645	744.75	13,800
	820831	1612	744.69	16,000
	820809	1335	744.72	17,000
	820914	1315	744.70	20,200
	820922	1111	744.82	22,300
	820802	1400	744.82	22,500
	820720	1850	744.76	22,900
	820920	1225	744.92	24,000
	820919	1225	744.89	24,100
	820728	1310	745.17	25,600
	820623	1040	745.34	26,000 ^c
	820918	1415	745.22	27,500
	820916	1134	746.59	32,500

^aUSGS provisional data, 1982.^bThe upstream end (head) of a side slough is usually connected to the mainstem (breached) during high flows.^cGold Creek stream gage malfunctioned, USGS estimated value.^dGage was dewatered, 703.75 ft. was point of zero flow.

Appendix Table 4-A-3 (Continued)

Part B: Side Sloughs^b

<u>Location</u>	<u>Date</u>	<u>Time</u>	<u>WSEL (ft)</u>	<u>Discharge (cfs)</u>
Mid-Slough at Slough 21	821003	1319	744.96	11,000
Gage Site 142.0S6	821002	1515	744.96	11,700
(R.M. 141.9)	820906	1240	744.89	12,200
	820820	1645	744.95	12,500
	820927	1635	744.98	13,800
	820831	1512	744.91	16,000
	820809	1340	745.00	17,000
	820914	1310	744.92	20,200
	820802	1400	744.99	22,500
	820720	1800	744.93	22,900
Mid-Slough at Slough 21 -	820920	1216	745.04	24,000
Cont'd	820919	1408	745.03	24,100
Gage Site 142.0S6	820728	1305	745.13	25,600
(R.M. 141.9)	820918	1531	745.14	27,500
	820915	1830	746.05	28,200
	820725	1710	746.99	31,900
	820916	1020	746.52	32,500
Head of Slough 21, N.E.	820831	1335	755.5 ^d	16,000
Gage Site 142.0H1	820802	1449	755.5 ^d	22,500
(R.M. 142.3)	820920	1210	755.5 ^d	24,100
	820728	1235	755.5 ^d	25,600
	820622	1300	755.55 ^c	26,000 ^c
	820623	1100	755.5 ^d	26,000 ^c
	820620	----	755.97	28,000 ^c
	820915	1604	755.51	28,200
	820725	1500	755.97	31,900

^aUSGS provisional data, 1982.

^bThe upstream end (head) of a side slough is usually connected to the mainstem (breached) during high flows.

^cGold Creek stream gage malfunctioned, USGS estimated value.

^dGage was dewatered, 703.75 ft. was point of zero flow.

Appendix Table 4-A-3 (Continued)

Part B: Side Sloughs^b

<u>Location</u>	<u>Date</u>	<u>Time</u>	<u>WSEL (ft)</u>	<u>Discharge (cfs)</u>
Head of Slough 21, N.W.	820831	1500	754.6 ^e	16,000
Gage Site 142.0H3	820709	1300	754.6 ^e	21,500
(R.M. 142.2)	820802	1433	754.6 ^e	22,500
	820720	1635	754.6 ^e	22,900
	820711	1730	754.64	24,000
	820728	1235	754.72	25,600
	820623	1055	754.81	26,000 ^c
	820622	1230	755.17	26,000 ^c
	820918	1600	754.66	27,500
	820620	----	755.40	28,000 ^c
	820725	1745	755.61	31,900
	820916	1004	755.30	32,500
Mouth of Slough 22	821003	1130	780.43	11,000
Gage Site 144.3W3	820822	1200	780.41	12,200
(R.M. 144.2)	820813	0900	780.47	13,600
	820831	1155	780.61	16,000
Mouth of Slough 22 - Cont'd	820914	1203	780.64	20,200
Gage Site 144.3W3	820720	1435	780.73	22,900
(R.M. 144.2)	820920	1145	780.85	24,000
	820919	1223	780.85	24,100
	820728	1205	781.14	25,600
	820623	1730	781.19	26,000 ^c
	820918	1525	781.12	27,500
	820915	1735	781.84	28,200
Mid-Slough at Slough 22	820813	0900	783.36	13,600
Gage Site 144.3S6	820914	1141	783.63	20,200
(R.M. 144.6)	820802	1710	783.52	22,500
	820720	1415	783.58	22,900
	820920	1130	783.89	24,000
	820919	1217	784.42	24,100
	820728	1145	784.26	25,600
	820918	1424	784.30	27,500
	820915	1640	785.08	28,200

^aUSGS provisional data, 1982.^bThe upstream end (head) of a side slough is usually connected to the mainstem (breached) during high flows.^cGold Creek stream gage malfunctioned, USGS estimated value.^eGage was dewatered, 754.6 ft. was point of zero flow.

Appendix Table 4-A-3 (Continued)

Part B: Side Sloughs^b

<u>Location</u>	<u>Date</u>	<u>Time</u>	<u>WSEL (ft)</u>	<u>Discharge (cfs)</u>
Head of Slough 22	820813	0855	787.8 ^d	13,600
Gage Site 144.3H2	820831	1130	787.8 ^d	16,000
(R.M. 144.7)	820708	1815	787.8 ^d	18,000
	820914	----	787.8 ^d	20,000
	820802	1717	788.06	22,500
	820720	1100	788.35	22,900
	820920	1125	788.37	24,000
	820919	1102	788.34	24,100
	820728	1140	788.78	25,600 ^c
	820623	1735	788.88	26,000 ^c
	820622	1615	789.43	26,000 ^c
	820918	1410	788.79	27,500
	820915	1631	789.46	28,200

^aUSGS provisional data, 1982.

^bThe upstream end (head) of a side slough is usually connected to the mainstem (breached) during high flows.

^cGold Creek stream gage malfunctioned, USGS estimated value.

^dGage was dewatered, 787.8^d ft. was point of zero flow.

Appendix Table 4-A-4

Continuous hourly streamflow and surface water
temperature record for Indian River, Alaska.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820808	1300	1.67	220	9.5
820808	1400	1.67	220	10.5
820808	1500	1.67	220	11.0
820808	1600	1.67	220	11.0
820808	1700	1.67	220	11.0
820808	1800	1.63	208	11.0
820808	1900	1.63	208	10.5
820808	2000	1.63	208	10.0
820808	2100	1.67	220	10.0
820808	2200	1.70	233	9.5
820808	2300	1.73	246	9.5
820808	2400	1.73	246	9.0
820808	DAILY MEAN	-----	-----	-----
820809	0100	1.77	259	9.0
820809	0200	1.77	259	8.5
820809	0300	1.80	273	8.5
820809	0400	1.77	259	8.5
820809	0500	1.80	273	8.0
820809	0600	1.80	273	8.0
820809	0700	1.80	273	8.0
820809	0800	1.77	259	8.0
820809	0900	1.77	259	8.0
820809	1000	1.80	273	8.0
820809	1100	1.80	273	8.5
820809	1200	1.77	259	9.0
820809	1300	1.77	259	9.0
820809	1400	1.77	259	9.0
820809	1500	1.77	259	9.0
820809	1600	1.73	246	9.5
820809	1700	1.77	259	9.5
820809	1800	1.73	246	9.5
820809	1900	1.73	246	9.0
820809	2000	1.73	246	9.0
820809	2100	1.70	233	8.5
820809	2200	1.73	246	8.5
820809	2300	1.73	246	8.5
820809	2400	1.73	246	8.0
820809	DAILY MEAN	1.76	257	8.6

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820810	0100	1.73	246	8.0
820810	0200	1.73	246	8.0
820810	0300	1.73	246	8.0
820810	0400	1.73	246	8.0
820810	0500	1.73	246	8.0
820810	0600	1.70	233	8.0
820810	0700	1.70	233	8.0
820810	0800	1.70	233	8.0
820810	0900	1.73	246	8.0
820810	1000	1.73	246	8.0
820810	1100	1.73	246	8.5
820810	1200	1.73	246	8.5
820810	1300	1.73	246	8.5
820810	1400	1.73	246	9.0
820810	1500	1.73	246	9.0
820810	1600	1.73	246	9.0
820810	1700	1.73	246	9.0
820810	1800	1.73	246	9.0
820810	1900	1.73	246	9.0
820810	2000	1.73	246	9.0
820810	2100	1.73	246	8.5
820810	2200	1.73	246	8.5
820810	2300	1.73	246	8.0
820810	2400	1.73	246	8.0
820810	DAILY MEAN	1.73	244	8.4
820811	0100	1.73	246	8.0
820811	0200	1.77	259	7.5
820811	0300	1.73	246	7.5
820811	0400	1.73	246	7.5
820811	0500	1.73	246	7.5
820811	0600	1.73	246	7.5
820811	0700	1.73	246	7.5
820811	0800	1.70	233	7.5
820811	0900	1.70	233	8.0
820811	1000	1.70	233	8.0
820811	1100	1.70	233	8.5
820811	1200	1.70	233	9.0
820811	1300	1.70	233	9.5
820811	1400	1.70	233	10.0
820811	1500	1.67	220	10.5

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820811	1600	1.67	220	11.0
820811	1700	1.67	220	11.0
820811	1800	1.67	220	10.5
820811	1900	1.63	208	10.5
820811	2000	1.63	208	10.0
820811	2100	1.63	208	9.5
820811	2200	1.63	208	9.5
820811	2300	1.63	208	8.5
820811	2400	1.63	208	8.5
820811	DAILY MEAN	1.69	228	8.9
820812	0100	1.63	208	8.0
820812	0200	1.63	208	7.5
820812	0300	1.63	208	7.5
820812	0400	1.63	208	7.0
820812	0500	1.60	197	7.0
820812	0600	1.63	208	6.5
820812	0700	1.60	197	6.5
820812	0800	1.60	197	7.0
820812	0900	1.60	197	7.0
820812	1000	1.60	197	7.5
820812	1100	1.60	197	8.0
820812	1200	1.60	197	9.0
820812	1300	1.60	197	9.5
820812	1400	1.60	197	10.5
820812	1500	1.57	187	11.0
820812	1600	1.57	187	11.5
820812	1700	1.57	187	11.5
820812	1800	1.57	187	11.0
820812	1900	1.57	187	11.0
820812	2000	1.57	187	10.5
820812	2100	1.57	187	10.0
820812	2200	1.57	187	9.5
820812	2300	1.57	187	9.0
820812	2400	1.57	187	9.0
820812	DAILY MEAN	1.59	195	8.9
820813	0100	1.57	187	8.5
820813	0200	1.57	187	8.0
820813	0300	1.57	187	8.0

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820813	0400	1.57	187	8.0
820813	0500	1.57	187	8.0
820813	0600	1.57	187	7.5
820813	0700	1.57	187	7.5
820813	0800	1.53	176	7.5
820813	0900	1.53	176	8.0
820813	1000	1.57	187	8.5
820813	1100	1.53	176	9.0
820813	1200	1.53	176	9.5
820813	1300	1.53	176	10.5
820813	1400	1.53	176	11.0
820813	1500	1.53	176	11.5
820813	1600	1.50	167	12.0
820813	1700	1.50	167	12.0
820813	1800	1.50	167	12.0
820813	1900	1.50	167	11.5
820813	2000	1.53	176	11.0
820813	2100	1.50	167	10.5
820813	2200	1.50	167	10.5
820813	2300	1.50	167	10.0
820813	2400	1.50	167	10.0
820813	DAILY MEAN	1.53	176	9.6
820814	0100	1.50	167	9.5
820814	0200	1.50	167	9.5
820814	0300	1.50	167	9.0
820814	0400	1.50	167	9.0
820814	0500	1.50	167	9.0
820814	0600	1.50	167	9.0
820814	0700	1.50	167	9.0
820814	0800	1.50	167	9.0
820814	0900	1.50	167	8.5
820814	1000	1.50	167	8.5
820814	1100	1.50	167	8.5
820814	1200	1.50	167	8.5
820814	1300	1.50	167	9.0
820814	1400	1.50	167	9.0
820814	1500	1.53	176	9.0
820814	1600	1.50	167	9.0
820814	1700	1.53	176	9.5
820814	1800	1.53	176	9.5

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820814	1900	1.53	176	9.5
820814	2000	1.50	167	9.5
820814	2100	1.50	167	9.5
820814	2200	1.53	176	9.0
820814	2300	1.50	167	9.0
820814	2400	1.53	176	8.5
820814	DAILY MEAN	1.51	169	9.0
820815	0100	1.53	176	8.5
820815	0200	1.50	167	8.5
820815	0300	1.50	167	8.5
820815	0400	1.50	167	8.0
820815	0500	1.53	176	8.0
820815	0600	1.50	167	8.0
820815	0700	1.50	167	8.0
820815	0800	1.50	167	8.0
820815	0900	1.53	176	8.5
820815	1000	1.50	167	8.5
820815	1100	1.50	167	8.5
820815	1200	1.50	167	9.0
820815	1300	1.50	167	9.5
820815	1400	1.53	176	10.0
820815	1500	1.50	167	10.5
820815	1600	1.50	167	10.5
820815	1700	1.50	167	10.0
820815	1800	1.47	157	10.5
820815	1900	1.50	167	10.0
820815	2000	1.50	167	9.5
820815	2100	1.50	167	9.5
820815	2200	1.50	167	9.0
820815	2300	1.50	167	8.5
820815	2400	1.50	167	8.5
820815	DAILY MEAN	1.50	168	9.0
820816	0100	1.47	157	8.5
820816	0200	1.50	167	8.0
820816	0300	1.50	167	8.0
820816	0400	1.47	157	8.0
820816	0500	1.50	167	8.0
820816	0600	1.47	157	8.0

Appendix Table 4-A4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820816	0700	1.50	167	8.0
820816	0800	1.50	167	8.0
820816	0900	1.47	157	8.0
820816	1000	1.50	167	8.5
820816	1100	1.47	157	9.0
820816	1200	1.47	157	9.5
820816	1300	1.47	157	10.5
820816	1400	1.47	157	10.5
820816	1500	1.43	149	11.0
820816	1600	1.43	149	11.0
820816	1700	1.43	149	11.0
820816	1800	1.43	149	11.0
820816	1900	1.43	149	11.0
820816	2000	1.43	149	10.5
820816	2100	1.43	149	10.5
820816	2200	1.43	149	10.0
820816	2300	1.43	149	9.5
820816	2400	1.43	149	9.5
820816	DAILY MEAN	1.46	156	9.4
820817	0100	1.43	149	9.0
820817	0200	1.43	149	9.0
820817	0300	1.43	149	9.0
820817	0400	1.47	157	8.5
820817	0500	1.47	157	8.5
820817	0600	1.47	157	8.5
820817	0700	1.47	157	8.5
820817	0800	1.47	157	8.5
820817	0900	1.47	157	8.5
820817	1000	1.50	167	8.5
820817	1100	1.53	176	8.5
820817	1200	1.53	176	8.5
820817	1300	1.53	176	9.0
820817	1400	1.57	187	9.0
820817	1500	1.57	187	9.0
820817	1600	1.60	197	9.5
820817	1700	1.57	187	9.5
820817	1800	1.60	197	9.5
820817	1900	1.57	187	9.0
820817	2000	1.60	197	9.0
820817	2100	1.60	197	8.5

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820817	2200	1.60	197	8.5
820817	2300	1.60	197	8.0
820817	2400	1.60	197	8.0
820817	DAILY MEAN	1.53	175	8.8
820818	0100	1.60	197	7.5
820818	0200	1.60	197	7.5
820818	0300	1.57	187	7.5
820818	0400	1.57	187	7.5
820818	0500	1.57	187	7.5
820818	0600	1.57	187	7.5
820818	0700	1.53	176	7.5
820818	0800	1.57	187	7.5
820818	0900	1.57	187	8.0
820818	1000	1.53	176	8.0
820818	1100	1.53	176	8.5
820818	1200	1.53	176	9.0
820818	1300	1.53	176	9.0
820818	1400	1.53	176	9.5
820818	1500	1.50	167	9.5
820818	1600	1.53	176	9.5
820818	1700	1.50	167	9.5
820818	1800	1.50	167	9.5
820818	1900	1.50	167	9.5
820818	2000	1.50	167	9.0
820818	2100	1.50	167	9.0
820818	2200	1.50	167	8.5
820818	2300	1.50	167	8.0
820818	2400	1.50	167	8.0
820818	DAILY MEAN	1.53	177	8.4
820819	0100	1.47	157	7.5
820819	0200	1.50	167	7.0
820819	0300	1.50	167	7.0
820819	0400	1.47	157	7.0
820819	0500	1.50	167	6.5
820819	0600	1.50	167	7.0
820819	0700	1.50	167	7.0
820819	0800	1.50	167	7.0
820819	0900	1.47	157	7.5

Appendix Table 4-A4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820819	1000	1.47	157	8.0
820819	1100	1.47	157	8.5
820819	1200	1.47	157	9.0
820819	1300	1.47	157	9.5
820819	1400	1.47	157	9.5
820819	1500	1.47	157	10.0
820819	1600	1.43	149	10.5
820819	1700	1.47	157	10.5
820819	1800	1.47	157	10.5
820819	1900	1.43	149	10.0
820819	2000	1.47	157	10.0
820819	2100	1.47	157	9.5
820819	2200	1.47	157	9.5
820819	2300	1.43	149	9.0
820819	2400	1.43	149	8.5
820819	DAILY MEAN	1.47	158	8.6
820820	0100	1.43	149	8.5
820820	0200	1.43	149	8.0
820820	0300	1.43	149	8.0
820820	0400	1.43	149	7.5
820820	0500	1.43	149	7.5
820820	0600	1.43	149	7.5
820820	0700	1.43	149	7.5
820820	0800	1.43	149	7.5
820820	0900	1.43	149	8.0
820820	1000	1.43	149	8.5
820820	1100	1.43	149	9.0
820820	1200	1.43	149	9.5
820820	1300	1.40	140	10.0
820820	1400	1.43	149	11.0
820820	1500	1.40	140	11.5
820820	1600	1.40	140	11.5
820820	1700	1.40	140	11.5
820820	1800	1.40	140	11.5
820820	1900	1.40	140	11.0
820820	2000	1.40	140	11.0
820820	2100	1.40	140	10.5
820820	2200	1.40	140	10.0
820820	2300	1.40	140	9.5
820820	2400	1.40	140	9.0

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820820	DAILY MEAN	1.42	145	9.4
820821	0100	1.40	140	8.5
820821	0200	1.40	140	8.5
820821	0300	1.40	140	8.0
820821	0400	1.40	140	8.0
820821	0500	1.40	140	7.5
820821	0600	1.40	140	7.0
820821	0700	1.40	140	7.0
820821	0800	1.40	140	7.0
820821	0900	1.40	140	7.5
820821	1000	1.40	140	8.0
820821	1100	1.40	140	8.5
820821	1200	1.37	132	9.0
820821	1300	1.37	132	10.0
820821	1400	1.37	132	10.5
820821	1500	1.37	132	11.5
820821	1600	1.40	140	11.5
820821	1700	1.37	132	12.0
820821	1800	1.37	132	11.5
820821	1900	1.37	132	11.0
820821	2000	1.37	132	11.0
820821	2100	1.37	132	10.5
820821	2200	1.37	132	10.0
820821	2300	1.37	132	9.5
820821	2400	1.37	132	9.0
820821	DAILY MEAN	1.38	136	9.3
820822	0100	1.37	132	8.5
820822	0200	1.37	132	8.5
820822	0300	1.37	132	8.0
820822	0400	1.37	132	7.5
820822	0500	1.37	132	7.5
820822	0600	1.40	140	7.0
820822	0700	1.37	132	7.0
820822	0800	1.40	140	7.0
820822	0900	1.37	132	7.5
820822	1000	1.37	132	8.0
820822	1100	1.37	132	8.5
820822	1200	1.37	132	9.0

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820822	1300	1.37	132	10.0
820822	1400	1.37	132	10.5
820822	1500	1.37	132	11.0
820822	1600	1.37	132	11.5
820822	1700	1.37	132	11.5
820822	1800	1.33	125	11.5
820822	1900	1.33	125	11.5
820822	2000	1.33	125	11.0
820822	2100	1.33	125	10.5
820822	2200	1.33	125	10.5
820822	2300	1.33	125	10.0
820822	2400	1.33	125	9.5
820822	DAILY MEAN	1.36	131	9.3
820823	0100	1.37	132	9.5
820823	0200	1.37	132	9.5
820823	0300	1.37	132	9.0
820823	0400	1.37	132	9.0
820823	0500	1.37	132	9.0
820823	0600	1.33	125	9.0
820823	0700	1.37	132	9.0
820823	0800	1.37	132	9.0
820823	0900	1.37	132	9.0
820823	1000	1.37	132	9.5
820823	1100	1.37	132	9.5
820823	1200	1.37	132	9.5
820823	1300	1.37	132	9.5
820823	1400	1.37	132	10.0
820823	1500	1.37	132	10.5
820823	1600	1.37	132	10.5
820823	1700	1.37	132	11.0
820823	1800	1.37	132	10.5
820823	1900	1.37	132	10.5
820823	2000	1.37	132	10.0
820823	2100	1.37	132	10.0
820823	2200	1.37	132	9.5
820823	2300	1.37	132	9.0
820823	2400	1.37	132	9.0
820823	DAILY MEAN	1.37	132	9.6

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820824	0100	1.37	132	8.5
820824	0200	1.37	132	8.5
820824	0300	1.40	140	8.5
820824	0400	1.37	132	8.5
820824	0500	1.37	132	8.5
820824	0600	1.37	132	8.5
820824	0700	1.37	132	8.5
820824	0800	1.37	132	8.5
820824	0900	1.37	132	9.0
820824	1000	1.37	132	9.0
820824	1100	1.37	132	9.0
820824	1200	1.33	125	10.0
820824	1300	1.37	132	10.5
820824	1400	1.33	125	10.5
820824	1500	1.33	125	11.0
820824	1600	1.33	125	11.0
820824	1700	1.33	125	11.5
820824	1800	1.33	125	11.5
820824	1900	1.37	132	11.0
820824	2000	1.37	132	11.0
820824	2100	1.33	125	10.5
820824	2200	1.33	125	10.5
820824	2300	1.33	125	10.0
820824	2400	1.33	125	9.5
820824	DAILY MEAN	1.35	130	9.7
820825	0100	1.37	132	9.5
820825	0200	1.37	132	9.0
820825	0300	1.37	132	9.0
820825	0400	1.37	132	9.0
820825	0500	1.37	132	9.0
820825	0600	1.37	132	9.0
820825	0700	1.37	132	9.0
820825	0800	1.37	132	9.0
820825	0900	1.37	132	9.0
820825	1000	1.37	132	9.0
820825	1100	1.37	132	9.5
820825	1200	1.37	132	9.5
820825	1300	1.37	132	10.0
820825	1400	1.37	132	10.5
820825	1500	1.33	125	10.5

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820825	1600	1.37	132	11.0
820825	1700	1.33	125	11.0
820825	1800	1.33	125	11.0
820825	1900	1.33	125	11.0
820825	2000	1.33	125	10.5
820825	2100	1.33	125	10.0
820825	2200	1.37	132	10.0
820825	2300	1.37	132	10.0
820825	2400	1.33	125	9.5
820825	DAILY MEAN	1.36	130	9.8
820826	0100	1.37	132	9.5
820826	0200	1.37	132	9.0
820826	0300	1.37	132	9.0
820826	0400	1.37	132	9.0
820826	0500	1.37	132	8.5
820826	0600	1.37	132	8.5
820826	0700	1.37	132	8.5
820826	0800	1.37	132	8.5
820826	0900	1.37	132	9.0
820826	1000	1.37	132	9.0
820826	1100	1.37	132	9.5
820826	1200	1.37	132	10.0
820826	1300	1.37	132	10.0
820826	1400	1.37	132	10.5
820826	1500	1.37	132	11.0
820826	1600	1.37	132	11.5
820826	1700	1.37	132	11.5
820826	1800	1.33	125	11.0
820826	1900	1.33	125	11.0
820826	2000	1.37	132	10.5
820826	2100	1.37	132	10.0
820826	2200	1.33	125	9.5
820826	2300	1.37	132	9.5
820826	2400	1.33	125	9.0
820826	DAILY MEAN	1.36	131	9.7
820827	0100	1.33	125	8.5
820827	0200	1.37	132	8.0
820827	0300	1.33	125	8.0

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820827	0400	1.33	125	7.5
820827	0500	1.33	125	7.0
820827	0600	1.33	125	6.5
820827	0700	1.33	125	6.5
820827	0800	1.37	132	6.5
820827	0900	1.33	125	7.0
820827	1000	1.33	125	7.5
820827	1100	1.33	125	8.0
820827	1200	1.33	125	8.5
820827	1300	1.33	125	9.5
820827	1400	1.33	125	10.0
820827	1500	1.33	125	10.5
820827	1600	1.33	125	11.0
820827	1700	1.33	125	11.0
820827	1800	1.30	118	11.0
820827	1900	1.30	118	10.5
820827	2000	1.33	125	10.5
820827	2100	1.33	125	9.5
820827	2200	1.33	125	9.5
820827	2300	1.30	118	9.0
820827	2400	1.30	118	8.5
820827	DAILY MEAN	1.33	124	8.8
820828	0100	1.33	125	8.0
820828	0200	1.33	125	8.0
820828	0300	1.33	125	7.5
820828	0400	1.33	125	7.5
820828	0500	1.33	125	7.5
820828	0600	1.30	118	7.0
820828	0700	1.33	125	7.5
820828	0800	1.33	125	7.5
820828	0900	1.33	125	7.5
820828	1000	1.33	125	8.0
820828	1100	1.33	125	8.0
820828	1200	1.33	125	8.5
820828	1300	1.33	125	8.5
820828	1400	1.33	125	9.0
820828	1500	1.33	125	9.5
820828	1600	1.33	125	10.0
820828	1700	1.30	118	10.0
820828	1800	1.33	125	10.0

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820828	1900	1.30	118	10.0
820828	2000	1.30	118	10.0
820828	2100	1.33	125	9.5
820828	2200	1.33	125	9.0
820828	2300	1.30	118	9.0
820828	2400	1.33	125	9.0
820828	DAILY MEAN	1.33	123	8.6
820829	0100	1.30	118	8.5
820829	0200	1.33	125	8.5
820829	0300	1.30	118	8.5
820829	0400	1.33	125	8.5
820829	0500	1.33	125	8.0
820829	0600	1.37	132	8.0
820829	0700	1.33	125	8.0
820829	0800	1.33	125	8.0
820829	0900	1.37	132	8.0
820829	1000	1.37	132	8.0
820829	1100	1.40	140	8.5
820829	1200	1.40	140	8.5
820829	1300	1.40	140	9.0
820829	1400	1.40	140	9.0
820829	1500	1.40	140	9.5
820829	1600	1.40	140	9.5
820829	1700	1.43	149	9.5
820829	1800	1.43	149	9.5
820829	1900	1.43	149	9.0
820829	2000	1.47	157	9.0
820829	2100	1.47	157	9.0
820829	2200	1.47	157	8.5
820829	2300	1.47	157	8.5
820829	2400	1.50	167	8.5
820829	DAILY MEAN	1.39	139	8.6
820830	0100	1.50	167	8.5
820830	0200	1.50	167	8.5
820830	0300	1.50	167	8.5
820830	0400	1.50	167	8.0
820830	0500	1.53	176	8.0
820830	0600	1.57	187	8.0

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820830	0700	1.60	197	8.0
820830	0800	1.63	208	8.0
820830	0900	1.67	220	8.0
820830	1000	1.70	233	8.0
820830	1100	1.73	246	8.0
820830	1200	1.80	273	8.0
820830	1300	1.87	304	8.0
820830	1400	1.87	304	8.0
820830	1500	1.93	337	8.0
820830	1600	1.97	355	8.0
820830	1700	2.00	374	8.0
820830	1800	2.00	374	8.0
820830	1900	2.03	394	8.0
820830	2000	2.03	394	8.0
820830	2100	2.07	414	8.0
820830	2200	2.10	436	8.0
820830	2300	2.10	436	7.5
820830	2400	2.10	436	7.5
820830	DAILY MEAN	1.80	275	8.0
820831	0100	2.10	436	7.5
820831	0200	2.10	436	7.5
820831	0300	2.13	458	7.5
820831	0400	2.13	458	7.5
820831	0500	2.13	458	7.5
820831	0600	2.13	458	7.5
820831	0700	2.17	482	7.0
820831	0800	2.17	482	7.0
820831	0900	2.17	482	7.0
820831	1000	2.13	458	7.5
820831	1100	2.13	458	7.5
820831	1200	2.13	458	7.5
820831	1300	2.13	458	7.5
820831	1400	2.13	458	8.0
820831	1500	2.13	458	8.5
820831	1600	2.10	436	9.0
820831	1700	2.13	458	9.0
820831	1800	2.10	436	8.5
820831	1900	2.10	436	8.5
820831	2000	2.07	414	8.0
820831	2100	2.07	414	8.0

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820831	2200	2.07	414	7.5
820831	2300	2.07	414	7.5
820831	2400	2.03	394	7.5
820831	DAILY MEAN	2.12	446	7.8
820901	0100	2.03	394	7.5
820901	0200	2.03	394	7.5
820901	0300	2.03	394	7.5
820901	0400	2.07	414	7.5
820901	0500	2.03	394	7.5
820901	0600	2.03	394	7.0
820901	0700	2.03	394	7.0
820901	0800	2.03	394	7.0
820901	0900	2.03	394	7.5
820901	1000	2.00	374	7.5
820901	1100	2.00	374	8.0
820901	1200	2.00	374	8.0
820901	1300	2.00	374	8.5
820901	1400	1.97	355	9.0
820901	1500	1.97	355	9.0
820901	1600	1.97	355	9.0
820901	1700	1.97	355	9.0
820901	1800	1.93	337	9.0
820901	1900	1.93	337	8.5
820901	2000	1.93	337	8.5
820901	2100	1.93	337	8.0
820901	2200	1.93	337	7.5
820901	2300	1.93	337	7.5
820901	2400	1.90	320	7.5
820901	DAILY MEAN	1.99	367	7.9
820902	0100	1.93	337	7.0
820902	0200	1.90	320	7.0
820902	0300	1.90	320	7.0
820902	0400	1.90	320	7.0
820902	0500	1.90	320	7.0
820902	0600	1.90	320	7.0
820902	0700	1.90	320	7.0
820902	0800	1.90	320	7.0
820902	0900	1.90	320	7.0

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820902	1000	1.90	320	7.0
820902	1100	1.90	320	7.5
820902	1200	1.90	320	8.0
820902	1300	1.87	304	8.5
820902	1400	1.87	304	9.0
820902	1500	1.87	304	9.0
820902	1600	1.87	304	9.5
820902	1700	1.83	288	9.5
820902	1800	1.83	288	9.0
820902	1900	1.83	288	9.0
820902	2000	1.83	288	9.0
820902	2100	1.83	288	8.5
820902	2200	1.80	273	8.0
820902	2300	1.83	288	8.0
820902	2400	1.83	288	8.0
820902	DAILY MEAN	1.87	307	7.9
820903	0100	1.83	288	8.0
820903	0200	1.87	304	7.5
820903	0300	1.83	288	7.5
820903	0400	1.87	304	7.5
820903	0500	1.87	304	7.0
820903	0600	1.90	320	7.5
820903	0700	1.90	320	7.0
820903	0800	1.90	320	7.0
820903	0900	1.93	337	7.0
820903	1000	1.93	337	7.0
820903	1100	1.93	337	7.0
820903	1200	1.97	355	7.5
820903	1300	1.93	337	7.5
820903	1400	1.93	337	8.0
820903	1500	1.93	337	8.5
820903	1600	1.93	337	8.5
820903	1700	1.93	337	8.5
820903	1800	1.90	320	8.5
820903	1900	1.90	320	8.5
820903	2000	1.90	320	8.0
820903	2100	1.90	320	8.0
820903	2200	1.90	320	7.5
820903	2300	1.90	320	7.5
820903	2400	1.87	304	7.0

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820903	DAILY MEAN	1.90	322	7.6
820904	0100	1.90	320	7.0
820904	0200	1.90	320	7.0
820904	0300	1.90	320	7.0
820904	0400	1.90	320	7.0
820904	0500	1.87	304	6.5
820904	0600	1.87	304	6.5
820904	0700	1.87	304	6.5
820904	0800	1.83	288	6.5
820904	0900	1.87	304	7.0
820904	1000	1.83	288	7.0
820904	1100	1.83	288	7.5
820904	1200	1.83	288	8.0
820904	1300	1.83	288	8.0
820904	1400	1.80	273	8.5
820904	1500	1.80	273	9.0
820904	1600	1.80	273	9.0
820904	1700	1.77	259	9.0
820904	1800	1.80	273	9.0
820904	1900	1.80	273	8.5
820904	2000	1.80	273	8.5
820904	2100	1.80	273	8.0
820904	2200	1.80	273	7.5
820904	2300	1.80	273	7.5
820904	2400	1.80	273	7.0
820904	DAILY MEAN	1.83	288	7.6
820905	0100	1.77	259	7.0
820905	0200	1.77	259	6.5
820905	0300	1.80	273	6.5
820905	0400	1.80	273	6.5
820905	0500	1.80	273	6.5
820905	0600	1.80	273	6.5
820905	0700	1.77	259	6.5
820905	0800	1.77	259	6.5
820905	0900	1.80	273	7.0
820905	1000	1.80	273	7.0
820905	1100	1.77	259	7.5
820905	1200	1.77	259	7.5

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820905	1300	1.77	259	7.5
820905	1400	1.77	259	8.0
820905	1500	1.77	259	8.0
820905	1600	1.77	259	8.5
820905	1700	1.77	259	8.5
820905	1800	1.73	246	8.5
820905	1900	1.77	259	8.5
820905	2000	1.73	246	8.0
820905	2100	1.73	246	8.0
820905	2200	1.73	246	8.0
820905	2300	1.73	246	8.0
820905	2400	1.73	246	8.0
820905	DAILY MEAN	1.77	259	7.5
820906	0100	1.73	246	7.5
820906	0200	1.73	246	7.5
820906	0300	1.73	246	7.5
820906	0400	1.70	233	7.5
820906	0500	1.73	246	7.5
820906	0600	1.73	246	7.5
820906	0700	1.73	246	7.5
820906	0800	1.73	246	7.0
820906	0900	1.70	233	7.5
820906	1000	1.70	233	7.5
820906	1100	1.70	233	7.5
820906	1200	1.70	233	8.0
820906	1300	1.73	246	8.0
820906	1400	1.70	233	8.0
820906	1500	1.70	233	8.5
820906	1600	1.70	233	8.5
820906	1700	1.70	233	8.5
820906	1800	1.70	233	8.5
820906	1900	1.70	233	8.5
820906	2000	1.70	233	8.0
820906	2100	1.70	233	8.0
820906	2200	1.67	220	8.0
820906	2300	1.67	220	7.5
820906	2400	1.67	220	7.5
820906	DAILY MEAN	1.71	235	7.8

Appendix Table 4-A4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820907	0100	1.67	220	7.5
820907	0200	1.67	220	7.5
820907	0300	1.67	220	7.5
820907	0400	1.67	220	7.5
820907	0500	1.70	233	7.5
820907	0600	1.70	233	7.5
820907	0700	1.70	233	7.5
820907	0800	1.73	246	7.5
820907	0900	1.70	233	7.5
820907	1000	1.73	246	7.5
820907	1100	1.73	246	7.5
820907	1200	1.73	246	8.0
820907	1300	1.73	246	8.5
820907	1400	1.73	246	9.0
820907	1500	1.77	259	9.0
820907	1600	1.73	246	9.5
820907	1700	1.73	246	9.5
820907	1800	1.73	246	9.0
820907	1900	1.73	246	9.0
820907	2000	1.73	246	8.5
820907	2100	1.73	246	8.0
820907	2200	1.73	246	8.0
820907	2300	1.73	246	8.0
820907	2400	1.73	246	7.5
820907	DAILY MEAN	1.72	240	8.1
820908	0100	1.70	233	7.5
820908	0200	1.70	233	7.5
820908	0300	1.73	246	7.5
820908	0400	1.70	233	7.5
820908	0500	1.70	233	7.5
820908	0600	1.70	233	7.0
820908	0700	1.70	233	7.0
820908	0800	1.70	233	7.0
820908	0900	1.70	233	7.5
820908	1000	1.67	220	7.5
820908	1100	1.70	233	7.5
820908	1200	1.67	220	7.5
820908	1300	1.70	233	8.0
820908	1400	1.67	220	7.5
820908	1500	1.70	233	8.0

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820908	1600	1.67	220	8.0
820908	1700	1.67	220	8.0
820908	1800	1.67	220	8.0
820908	1900	1.67	220	8.0
820908	2000	1.67	220	7.5
820908	2100	1.67	220	7.5
820908	2200	1.67	220	7.5
820908	2300	1.67	220	7.5
820908	2400	1.67	220	7.5
820908	DAILY MEAN	1.68	227	7.6
820909	0100	1.67	220	7.0
820909	0200	1.67	220	7.0
820909	0300	1.67	220	7.0
820909	0400	1.67	220	7.0
820909	0500	1.67	220	7.0
820909	0600	1.67	220	7.0
820909	0700	1.63	208	7.0
820909	0800	1.67	220	7.0
820909	0900	1.67	220	7.0
820909	1000	1.67	220	7.0
820909	1100	1.67	220	7.5
820909	1200	1.67	220	7.5
820909	1300	1.67	220	7.5
820909	1400	1.67	220	7.5
820909	1500	1.67	220	8.0
820909	1600	1.67	220	8.5
820909	1700	1.67	220	8.5
820909	1800	1.67	220	8.0
820909	1900	1.67	220	8.0
820909	2000	1.63	208	8.0
820909	2100	1.67	220	7.5
820909	2200	1.70	233	7.5
820909	2300	1.67	220	7.5
820909	2400	1.67	220	7.0
820909	DAILY MEAN	1.67	220	7.4
820910	0100	1.70	233	7.0
820910	0200	1.70	233	6.5
820910	0300	1.70	233	6.5

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820910	0400	1.70	233	6.5
820910	0500	1.70	233	6.5
820910	0600	1.70	233	6.5
820910	0700	1.67	220	6.5
820910	0800	1.70	233	6.5
820910	0900	1.70	233	6.5
820910	1000	1.70	233	6.5
820910	1100	1.67	220	7.0
820910	1200	1.67	220	7.0
820910	1300	1.67	220	7.5
820910	1400	1.67	220	8.0
820910	1500	1.67	220	8.0
820910	1600	1.67	220	8.0
820910	1700	1.67	220	8.5
820910	1800	1.67	220	8.0
820910	1900	1.67	220	8.0
820910	2000	1.67	220	7.5
820910	2100	1.67	220	7.5
820910	2200	1.63	208	7.0
820910	2300	1.63	208	7.0
820910	2400	1.63	208	6.5
820910	DAILY MEAN	1.68	223	7.1
820911	0100	1.67	220	6.5
820911	0200	1.67	220	6.5
820911	0300	1.63	208	6.5
820911	0400	1.67	220	6.5
820911	0500	1.67	220	6.5
820911	0600	1.63	208	6.0
820911	0700	1.67	220	6.0
820911	0800	1.63	208	6.5
820911	0900	1.67	220	6.5
820911	1000	1.63	208	6.5
820911	1100	1.67	220	6.5
820911	1200	1.70	233	6.5
820911	1300	1.70	233	7.0
820911	1400	1.73	246	7.0
820911	1500	1.73	246	7.0
820911	1600	1.77	259	7.0
820911	1700	1.77	259	7.0
820911	1800	1.80	273	7.0

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820911	1900	1.77	259	6.5
820911	2000	1.80	273	6.5
820911	2100	1.77	259	6.5
820911	2200	1.80	273	6.5
820911	2300	1.80	273	6.5
820911	2400	1.80	273	6.0
820911	DAILY MEAN	1.71	238	6.6
820912	0100	1.77	259	6.0
820912	0200	1.77	259	6.0
820912	0300	1.77	259	5.5
820912	0400	1.77	259	5.5
820912	0500	1.77	259	5.5
820912	0600	1.73	246	5.0
820912	0700	1.73	246	5.0
820912	0800	1.73	246	5.0
820912	0900	1.73	246	5.0
820912	1000	1.73	246	5.0
820912	1100	1.70	233	5.5
820912	1200	1.70	233	6.0
820912	1300	1.70	233	6.5
820912	1400	1.70	233	7.0
820912	1500	1.70	233	7.5
820912	1600	1.70	233	7.5
820912	1700	1.70	233	7.5
820912	1800	1.70	233	7.5
820912	1900	1.67	220	7.5
820912	2000	1.70	233	7.0
820912	2100	1.70	233	7.0
820912	2200	1.70	233	6.5
820912	2300	1.70	233	6.5
820912	2400	1.70	233	6.5
820912	DAILY MEAN	1.72	240	6.2
820913	0100	1.73	246	6.5
820913	0200	1.77	259	6.0
820913	0300	1.77	259	6.0
820913	0400	1.80	273	6.0
820913	0500	1.83	288	6.0
820913	0600	1.90	320	6.0

Appendix Table 4-A4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820913	0700	1.93	337	6.0
820913	0800	2.00	374	6.0
820913	0900	2.07	414	6.0
820913	1000	2.13	458	6.0
820913	1100	2.17	482	6.0
820913	1200	2.23	532	6.0
820913	1300	2.30	586	6.0
820913	1400	2.33	615	6.0
820913	1500	2.40	677	6.5
820913	1600	2.40	677	6.5
820913	1700	2.40	677	6.5
820913	1800	2.37	645	6.5
820913	1900	2.37	645	6.5
820913	2000	2.37	645	6.5
820913	2100	2.37	645	6.5
820913	2200	2.33	615	6.5
820913	2300	2.37	645	6.5
820913	2400	2.37	645	6.5
820913	DAILY MEAN	2.15	473	6.2
820914	0100	2.33	615	6.5
820914	0200	2.37	645	6.5
820914	0300	2.37	645	6.5
820914	0400	2.37	645	6.5
820914	0500	2.40	677	6.5
820914	0600	2.43	710	6.5
820914	0700	2.47	744	6.5
820914	0800	2.47	744	6.5
820914	0900	2.47	744	6.5
820914	1000	2.47	744	6.5
820914	1100	2.47	744	6.5
820914	1200	2.50	780	6.5
820914	1300	2.53	817	6.5
820914	1400	2.50	780	7.0
820914	1500	2.50	780	7.0
820914	1600	2.47	744	7.0
820914	1700	2.47	744	6.5
820914	1800	2.50	780	7.0
820914	1900	2.53	817	6.5
820914	2000	2.53	817	6.5
820914	2100	2.57	856	6.5

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820914	2200	2.60	896	6.5
820914	2300	2.63	938	6.5
820914	2400	2.67	982	6.5
820914	DAILY MEAN	2.48	762	6.6
820915	0100	2.77	1125	6.5
820915	0200	2.80	1176	6.5
820915	0300	2.87	1284	6.5
820915	0400	2.93	1402	6.5
820915	0500	2.93	1402	6.5
820915	0600	3.03	1595	6.0
820915	0700	3.07	1665	6.5
820915	0800	3.17	1890	6.5
820915	0900	3.27	2141	6.5
820915	1000	3.37	2420	6.5
820915	1100	3.40	2520	6.5
820915	1200	3.40	2520	7.0
820915	1300	3.43	2624	7.5
820915	1400	3.33	2324	7.5
820915	1500	3.23	2054	8.0
820915	1600	3.30	2231	8.0
820915	1700	3.20	1970	8.0
820915	1800	3.13	1812	8.0
820915	1900	3.17	1890	8.0
820915	2000	3.13	1812	8.0
820915	2100	3.07	1665	8.0
820915	2200	3.07	1665	7.5
820915	2300	3.10	1737	7.5
820915	2400	3.07	1665	7.5
820915	DAILY MEAN	3.13	1815	7.1
820916	0100	3.07	1665	7.5
820916	0200	3.10	1737	7.0
820916	0300	3.07	1665	7.0
820916	0400	3.07	1665	7.0
820916	0500	3.07	1665	7.0
820916	0600	3.07	1665	7.0
820916	0700	3.10	1737	6.5
820916	0800	3.13	1812	6.5
820916	0900	3.20	1970	6.5

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820916	1000	3.17	1890	6.5
820916	1100	3.13	1812	6.5
820916	1200	3.13	1812	6.5
820916	1300	3.10	1737	7.0
820916	1500	3.03	1595	7.0
820916	1600	2.97	1464	7.0
820916	1700	2.97	1464	7.0
820916	1800	2.97	1464	7.0
820916	1900	2.90	1342	6.5
820916	2000	2.87	1284	6.5
820916	2100	2.87	1284	6.5
820916	2200	2.83	1229	6.0
820916	2300	2.77	1125	6.0
820916	2400	2.77	1125	6.0
820916	DAILY MEAN	3.01	1557	6.7
820917	0100	2.77	1125	6.0
820917	0200	2.77	1125	6.0
820917	0300	2.77	1125	6.0
820917	0400	2.77	1125	5.5
820917	0500	2.80	1176	5.5
820917	0600	2.80	1176	5.5
820917	0700	2.77	1125	5.5
820917	0800	2.77	1125	5.5
820917	0900	2.77	1125	5.5
820917	1000	2.77	1125	5.5
820917	1100	2.73	1075	5.5
820917	1200	2.77	1125	5.5
820917	1300	2.70	1028	6.0
820917	1400	2.70	1028	6.0
820917	1500	2.73	1075	6.0
820917	1600	2.70	1028	6.0
820917	1700	2.70	1028	6.5
820917	1800	2.67	982	6.0
820917	1900	2.63	938	6.0
820917	2000	2.63	938	6.0
820917	2100	2.63	938	6.0
820917	2200	2.57	856	6.0
820917	2300	2.57	856	6.0
820917	2400	2.57	856	5.5

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820917	DAILY MEAN	2.71	1041	5.8
820918	0100	2.53	817	5.5
820918	0200	2.53	817	5.5
820918	0300	2.53	817	5.5
820918	0400	2.50	780	5.5
820918	0500	2.50	780	5.5
820918	0600	2.50	780	5.5
820918	0700	2.43	710	5.5
820918	0800	2.47	744	5.5
820918	0900	2.43	710	5.5
820918	1000	2.40	677	5.5
820918	1100	2.40	677	6.0
820918	1200	2.40	677	6.0
820918	1300	2.40	677	6.5
820918	1400	2.40	677	6.5
820918	1500	2.40	677	6.5
820918	1600	2.37	645	6.5
820918	1700	2.37	645	6.5
820918	1800	2.37	645	6.5
820918	1900	2.40	677	6.5
820918	2000	2.40	677	6.5
820918	2100	2.40	677	6.5
820918	2200	2.43	710	6.5
820918	2300	2.47	744	6.0
820918	2400	2.50	780	6.0
820918	DAILY MEAN	2.44	716	6.0
820919	0100	2.53	817	6.0
820919	0200	2.53	817	6.0
820919	0300	2.53	817	6.0
820919	0400	2.53	817	6.0
820919	0500	2.57	856	6.0
820919	0600	2.53	817	6.0
820919	0700	2.50	780	6.0
820919	0800	2.53	817	6.0
820919	0900	2.50	780	6.0
820919	1000	2.53	817	6.0
820919	1100	2.53	817	6.0
820919	1200	2.50	780	6.0
820919	1300	2.53	817	6.5

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820919	1400	2.57	856	6.5
820919	1500	2.57	856	6.5
820919	1600	2.63	938	6.5
820919	1700	2.63	938	6.5
820919	1800	2.73	1075	6.5
820919	1900	2.77	1125	6.5
820919	2000	2.80	1176	6.5
820919	2100	2.83	1229	6.5
820919	2200	2.83	1229	6.0
820919	2300	2.90	1342	6.0
820919	2400	2.93	1402	6.0
820919	DAILY MEAN	2.63	931	6.2
820920	0100	2.97	1464	6.0
820920	0200	3.00	1528	6.0
820920	0300	3.00	1528	6.0
820920	0400	3.00	1528	6.0
820920	0500	2.97	1464	6.0
820920	0600	3.00	1528	6.0
820920	0700	2.93	1402	5.5
820920	0800	2.97	1464	5.5
820920	0900	2.93	1402	6.0
820920	1000	2.93	1402	6.0
820920	1100	2.93	1402	6.0
820920	1200	2.90	1342	6.0
820920	1300	2.87	1284	6.5
820920	1400	2.83	1229	6.5
820920	1500	2.83	1229	6.5
820920	1600	2.80	1176	6.5
820920	1700	2.80	1176	6.5
820920	1800	2.80	1176	6.5
820920	1900	2.77	1125	6.5
820920	2000	2.77	1125	6.0
820920	2100	2.77	1125	6.0
820920	2200	2.73	1075	6.0
820920	2300	2.70	1028	6.0
820920	2400	2.70	1028	6.0
820920	DAILY MEAN	2.87	1291	6.1
820921	0100	2.70	1028	5.5

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820921	0200	2.67	982	5.5
820921	0300	2.70	1028	5.5
820921	0400	2.67	982	5.5
820921	0500	2.63	938	5.5
820921	0600	2.63	938	5.5
820921	0700	2.60	896	5.5
820921	0800	2.63	938	5.5
820921	0900	2.63	938	5.5
820921	1000	2.60	896	5.5
820921	1100	2.60	896	6.0
820921	1200	2.57	856	6.0
820921	1300	2.57	856	6.5
820921	1400	2.53	817	6.5
820921	1500	2.57	856	6.5
820921	1600	2.57	856	6.5
820921	1700	2.53	817	6.5
820921	1800	2.57	856	6.5
820921	1900	2.57	856	6.5
820921	2000	2.53	817	6.0
820921	2100	2.53	817	6.0
820921	2200	2.53	817	6.0
820921	2300	2.47	744	6.0
820921	2400	2.47	744	6.0
820921	DAILY MEAN	2.59	879	5.9
820922	0100	2.47	744	6.0
820922	0200	2.47	744	5.5
820922	0300	2.47	744	6.0
820922	0400	2.43	710	5.5
820922	0500	2.43	710	5.5
820922	0600	2.43	710	5.5
820922	0700	2.43	710	5.5
820922	0800	2.43	710	5.5
820922	0900	2.43	710	5.5
820922	1000	2.43	710	5.5
820922	1100	2.40	677	5.5
820922	1200	2.40	677	6.0
820922	1300	2.43	710	6.0
820922	1400	2.43	710	6.0
820922	1500	2.43	710	6.0
820922	1600	2.43	710	6.0

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820925	2000	1.97	355	5.5
820925	2100	1.97	355	5.5
820925	2200	1.97	355	5.5
820925	2300	1.97	355	5.0
820925	2400	1.97	355	5.0
820925	DAILY MEAN	2.01	378	4.6
820926	0100	1.97	355	5.0
820926	0200	1.97	355	5.0
820926	0300	1.97	355	5.0
820926	0400	1.93	337	4.5
820926	0500	1.93	337	4.5
820926	0600	1.93	337	4.5
820926	0700	1.93	337	4.5
820926	0800	1.93	337	4.5
820926	0900	1.93	337	4.5
820926	1000	1.93	337	5.0
820926	1100	1.93	337	5.0
820926	1200	1.93	337	5.0
820926	1300	1.97	355	5.0
820926	1400	1.97	355	5.5
820926	1500	1.93	337	5.5
820926	1600	1.97	355	5.5
820926	1700	1.97	355	5.5
820926	1800	1.97	355	5.5
820926	1900	2.00	374	5.5
820926	2000	2.00	374	5.5
820926	2100	2.00	374	5.0
820926	2200	2.00	374	5.0
820926	2300	2.00	374	5.0
820926	2400	2.00	374	5.0
820926	DAILY MEAN	1.96	352	5.0
820927	0100	2.03	394	5.0
820927	0200	2.03	394	5.0
820927	0300	2.07	414	5.0
820927	0400	2.07	414	5.0
820927	0500	2.07	414	5.0
820927	0600	2.07	414	4.5
820927	0700	2.13	458	4.5

Appendix Table 4-A4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820924	0500	2.13	458	3.5
820924	0600	2.17	482	3.0
820924	0700	2.13	458	3.0
820924	0800	2.13	458	3.0
820924	0900	2.13	458	3.0
820924	1000	2.13	458	3.5
820924	1100	2.10	436	3.5
820924	1200	2.10	436	4.0
820924	1300	2.10	436	4.5
820924	1400	2.10	436	5.0
820924	1500	2.10	436	5.0
820924	1600	2.10	436	5.5
820924	1700	2.10	436	5.5
820924	1800	2.07	414	5.5
820924	1900	2.10	436	5.0
820924	2000	2.07	414	5.0
820924	2100	2.07	414	5.0
820924	2200	2.07	414	5.0
820924	2300	2.07	414	4.5
820924	2400	2.07	414	4.5
820924	DAILY MEAN	2.11	444	4.2
820925	0100	2.07	414	4.5
820925	0200	2.03	394	4.0
820925	0300	2.07	414	4.0
820925	0400	2.03	394	4.0
820925	0500	2.03	394	4.0
820925	0600	2.03	394	3.5
820925	0700	2.03	394	3.5
820925	0800	2.03	394	3.5
820925	0900	2.03	394	3.5
820925	1000	2.00	374	4.0
820925	1100	2.03	394	4.0
820925	1200	2.00	374	4.5
820925	1300	2.00	374	5.0
820925	1400	2.00	374	5.0
820925	1500	2.00	374	5.5
820925	1600	2.00	374	5.5
820925	1700	2.00	374	5.5
820925	1800	1.97	355	5.5
820925	1900	1.97	355	5.5

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820922	1700	2.40	677	6.0
820922	1800	2.40	677	6.0
820922	1900	2.40	677	6.0
820922	2000	2.40	677	6.0
820922	2100	2.37	645	5.5
820922	2200	2.37	645	5.5
820922	2300	2.37	645	5.0
820922	2400	2.33	615	5.0
820922	DAILY MEAN	2.42	693	5.7
820923	0100	2.37	645	5.0
820923	0200	2.33	615	4.5
820923	0300	2.30	586	4.5
820923	0400	2.33	615	4.5
820923	0500	2.30	586	4.5
820923	0600	2.30	586	4.0
820923	0700	2.27	558	4.0
820923	0800	2.27	558	4.0
820923	0900	2.27	558	4.0
820923	1000	2.23	532	4.0
820923	1100	2.23	532	4.0
820923	1200	2.23	532	4.5
820923	1300	2.23	532	5.0
820923	1400	2.23	532	5.5
820923	1500	2.23	532	5.5
820923	1600	2.23	532	6.0
820923	1700	2.20	506	6.0
820923	1800	2.20	506	5.5
820923	1900	2.20	506	5.5
820923	2000	2.20	506	5.0
820923	2100	2.17	482	4.5
820923	2200	2.17	482	4.5
820923	2300	2.17	482	4.5
820923	2400	2.17	482	4.0
820923	DAILY MEAN	2.24	539	4.7
820924	0100	2.20	506	4.0
820924	0200	2.17	482	3.5
820924	0300	2.17	482	3.5
820924	0400	2.13	458	3.5

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820927	0800	2.13	458	4.5
820927	0900	2.17	482	4.5
820927	1000	2.20	506	4.5
820927	1100	2.17	482	5.0
820927	1200	2.20	506	5.0
820927	1300	2.17	482	5.0
820927	1400	2.17	482	5.5
820927	1500	2.10	436	5.5
820927	1600	2.10	436	6.0
820927	1700	2.10	436	5.5
820927	1800	2.10	436	5.5
820927	1900	2.07	414	5.5
820927	2000	2.07	414	5.0
820927	2100	2.07	414	5.0
820927	2200	2.03	394	4.5
820927	2300	2.03	394	4.5
820927	2400	2.00	374	4.0
820927	DAILY MEAN	2.10	434	5.0
820928	0100	2.03	394	4.0
820928	0200	2.03	394	3.5
820928	0300	2.00	374	3.5
820928	0400	2.00	374	3.5
820928	0500	1.97	355	3.5
820928	0600	1.97	355	3.5
820928	0700	1.97	355	3.0
820928	0800	1.97	355	3.0
820928	0900	1.97	355	3.5
820928	1000	1.97	355	3.5
820928	1100	1.93	337	3.5
820928	1200	1.93	337	4.0
820928	1300	1.93	337	4.5
820928	1400	1.90	320	4.5
820928	1500	1.93	337	4.5
820928	1600	1.93	337	4.5
820928	1700	1.90	320	4.5
820928	1800	1.90	320	5.0
820928	1900	1.93	337	4.5
820928	2000	1.93	337	4.5
820928	2100	1.93	337	4.5
820928	2200	1.93	337	4.5

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820928	2300	1.93	337	4.5
820928	2400	1.93	337	4.5
820928	DAILY MEAN	1.95	347	4.0
820929	0100	1.97	355	4.5
820929	0200	1.97	355	4.5
820929	0300	1.97	355	4.5
820929	0400	2.00	374	4.5
820929	0500	1.97	355	4.5
820929	0600	1.97	355	4.5
820929	0700	1.97	355	4.5
820929	0800	1.97	355	4.5
820929	0900	1.97	355	4.5
820929	1000	1.97	355	4.5
820929	1100	1.97	355	4.5
820929	1200	1.97	355	5.0
820929	1300	1.93	337	5.0
820929	1400	1.93	337	5.5
820929	1500	1.93	337	5.5
820929	1600	1.90	320	5.5
820929	1700	1.93	337	5.5
820929	1800	1.93	337	5.5
820929	1900	1.93	337	5.5
820929	2000	1.90	320	5.0
820929	2100	1.90	320	5.5
820929	2200	1.93	337	5.0
820929	2300	1.93	337	5.0
820929	2400	1.93	337	5.0
820929	DAILY MEAN	1.95	345	4.9
820930	0100	1.93	337	5.0
820930	0200	1.93	337	5.0
820930	0300	1.93	337	5.0
820930	0400	1.97	355	5.0
820930	0500	1.97	355	4.5
820930	0600	1.97	355	4.5
820930	0700	1.93	337	4.5
820930	0800	1.93	337	4.5
820930	0900	1.93	337	4.5
820930	1000	1.93	337	4.5

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820930	1100	1.93	337	5.0
820930	1200	1.90	320	5.0
820930	1300	1.93	337	5.5
820930	1400	1.90	320	5.5
820930	1500	1.90	320	6.0
820930	1600	1.90	320	6.0
820930	1700	1.90	320	6.0
820930	1800	1.90	320	5.5
820930	1900	1.90	320	5.5
820930	2000	1.90	320	5.5
820930	2100	1.90	320	5.5
820930	2200	1.90	320	5.0
820930	2300	1.90	320	5.0
820930	2400	1.87	304	5.0
820930	DAILY MEAN	1.92	330	5.1
821001	0100	1.87	281	4.5
821001	0200	1.87	281	4.5
821001	0300	1.87	281	4.5
821001	0400	1.87	281	4.5
821001	0500	1.87	281	4.5
821001	0600	1.87	281	4.5
821001	0700	1.87	281	4.5
821001	0800	1.87	281	4.0
821001	0900	1.87	281	4.5
821001	1000	1.87	281	4.5
821001	1100	1.87	281	4.5
821001	1200	1.87	281	4.5
821001	1300	1.87	281	5.0
821001	1400	1.87	281	5.0
821001	1500	1.87	281	5.0
821001	1600	1.87	281	5.0
821001	1700	1.83	266	5.0
821001	1800	1.87	281	5.0
821001	1900	1.87	281	5.0
821001	2000	1.83	266	4.5
821001	2100	1.83	266	4.5
821001	2200	1.83	266	4.5
821001	2300	1.83	266	4.5
821001	2400	1.83	266	4.5

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821001	DAILY MEAN	1.86	277	4.6
821002	0100	1.83	266	4.0
821002	0200	1.83	266	4.0
821002	0300	1.83	266	4.0
821002	0400	1.80	252	4.0
821002	0500	1.83	266	4.0
821002	0600	1.80	252	4.0
821002	0700	1.80	252	4.0
821002	0800	1.83	266	4.0
821002	0900	1.80	252	4.0
821002	1000	1.80	252	4.0
821002	1100	1.80	252	4.5
821002	1200	1.80	252	4.5
821002	1300	1.80	252	5.0
821002	1400	1.80	252	5.0
821002	1500	1.80	252	5.5
821002	1600	1.80	252	5.0
821002	1700	1.80	252	5.0
821002	1800	1.77	239	5.0
821002	1900	1.77	239	5.0
821002	2000	1.80	252	5.0
821002	2100	1.77	239	4.5
821002	2200	1.77	239	4.5
821002	2300	1.77	239	4.5
821002	2400	1.77	239	4.0
821002	DAILY MEAN	1.80	252	4.5
821003	0100	1.77	239	4.0
821003	0200	1.77	239	4.0
821003	0300	1.77	239	4.0
821003	0400	1.77	239	4.0
821003	0500	1.77	239	4.0
821003	0600	1.77	239	4.0
821003	0700	1.77	239	4.0
821003	0800	1.77	239	4.0
821003	0900	1.77	239	4.0
821003	1000	1.77	239	4.0
821003	1100	1.77	239	4.5
821003	1200	1.77	239	4.5
821003	1300	1.73	226	5.0

pendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821003	1400	1.73	226	5.0
821003	1500	1.73	226	5.0
821003	1600	1.73	226	5.0
821003	1700	1.77	239	5.0
821003	1800	1.73	226	5.0
821003	1900	1.73	226	5.0
821003	2000	1.73	226	4.5
821003	2100	1.73	226	4.0
821003	2200	1.73	226	4.0
821003	2300	1.73	226	4.0
821003	2400	1.73	226	3.5
821003	DAILY MEAN	1.75	233	4.3
821004	0100	1.73	226	3.5
821004	0200	1.73	226	3.5
821004	0300	1.70	214	3.0
821004	0400	1.73	226	3.0
821004	0500	1.73	226	3.0
821004	0600	1.70	214	2.5
821004	0700	1.70	214	2.5
821004	0800	1.70	214	2.5
821004	0900	1.70	214	2.5
821004	1000	1.70	214	2.5
821004	1100	1.70	214	3.0
821004	1200	1.70	214	3.0
821004	1300	1.70	214	3.5
821004	1400	1.70	214	4.0
821004	1500	1.70	214	4.0
821004	1600	1.70	214	4.0
821004	1700	1.67	203	4.0
821004	1800	1.67	203	4.0
821004	1900	1.67	203	4.0
821004	2000	1.70	214	3.5
821004	2100	1.70	214	3.5
821004	2200	1.70	214	3.5
821004	2300	1.70	214	3.0
821004	2400	1.70	214	3.0
821004	DAILY MEAN	1.70	215	3.3
821005	0100	1.70	214	3.0

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821006	1700	1.60	181	3.0
821006	1800	1.60	181	3.0
821006	1900	1.60	181	3.0
821006	2000	1.60	181	3.0
821006	2100	1.60	181	2.5
821006	2200	1.60	181	2.5
821006	2300	1.60	181	2.5
821006	2400	1.60	181	2.5
821006	DAILY MEAN	1.61	183	2.2
821007	0100	1.60	181	2.5
821007	0200	1.60	181	2.0
821007	0300	1.60	181	2.0
821007	0400	1.60	181	2.0
821007	0500	1.60	181	2.0
821007	0600	1.60	181	2.0
821007	0700	1.60	181	2.0
821007	0800	1.60	181	2.0
821007	0900	1.60	181	2.0
821007	1000	1.60	181	2.0
821007	1100	1.60	181	2.0
821007	1200	1.60	181	2.0
821007	1300	1.60	181	2.0
821007	1400	1.63	192	2.5
821007	1500	1.60	181	2.5
821007	1600	1.60	181	3.0
821007	1700	1.60	181	3.0
821007	1800	1.60	181	3.0
821007	1900	1.60	181	3.0
821007	2000	1.60	181	3.0
821007	2100	1.60	181	2.5
821007	2200	1.60	181	2.5
821007	2300	1.60	181	2.5
821007	2400	1.60	181	2.5
821007	DAILY MEAN	1.60	182	2.4
821008	0100	1.60	181	2.5
821008	0200	1.60	181	2.5
821008	0300	1.57	171	2.0
821008	0400	1.60	181	2.0

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821008	0500	1.60	181	2.0
821008	0600	1.60	181	2.0
821008	0700	1.57	171	2.0
821008	0800	1.60	181	2.0
821008	0900	1.57	171	2.0
821008	1000	1.57	171	2.0
821008	1100	1.57	171	2.5
821008	1200	1.57	171	2.5
821008	1300	1.57	171	2.5
821008	1400	1.57	171	3.0
821008	1500	1.57	171	3.0
821008	1600	1.57	171	3.0
821008	1700	1.57	171	3.0
821008	1800	1.57	171	3.0
821008	1900	1.57	171	3.0
821008	2000	1.57	171	2.5
821008	2100	1.57	171	2.5
821008	2200	1.57	171	2.5
821008	2300	1.57	171	2.0
821008	2400	1.57	171	2.0
821008	DAILY MEAN	1.58	174	2.4
821009	0100	1.57	171	2.0
821009	0200	1.57	171	2.0
821009	0300	1.57	171	2.0
821009	0400	1.57	171	2.0
821009	0500	1.57	171	2.0
821009	0600	1.57	171	2.0
821009	0700	1.57	171	2.0
821009	0800	1.57	171	2.0
821009	0900	1.57	171	2.0
821009	1000	1.57	171	2.0
821009	1100	1.57	171	2.5
821009	1200	1.57	171	3.0
821009	1300	1.57	171	3.0
821009	1400	1.57	171	3.0
821009	1500	1.57	171	3.5
821009	1600	1.57	171	3.5
821009	1700	1.57	171	3.5
821009	1800	1.57	171	3.0
821009	1900	1.57	171	3.0

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821009	2000	1.53	162	3.0
821009	2100	1.57	171	3.0
821009	2200	1.53	162	3.0
821009	2300	1.53	162	3.0
821009	2400	1.53	162	2.5
821009	DAILY MEAN	1.56	170	2.6
821010	0100	1.53	162	3.0
821010	0200	1.53	162	2.5
821010	0300	1.53	162	2.5
821010	0400	1.53	162	2.5
821010	0500	1.53	162	2.5
821010	0600	1.53	162	2.5
821010	0700	1.53	162	2.5
821010	0800	1.53	162	2.0
821010	0900	1.53	162	2.0
821010	1000	1.53	162	2.5
821010	1100	1.53	162	2.5
821010	1200	1.53	162	2.5
821010	1300	1.53	162	3.0
821010	1400	1.53	162	3.0
821010	1500	1.53	162	3.0
821010	1600	1.53	162	3.0
821010	1700	1.53	162	3.0
821010	1800	1.53	162	2.5
821010	1900	1.50	153	2.5
821010	2000	1.50	153	2.5
821010	2100	1.53	162	2.5
821010	2200	1.53	162	2.5
821010	2300	1.50	153	2.5
821010	2400	1.53	162	2.0
821010	DAILY MEAN	1.53	161	2.6
821011	0100	1.53	162	2.0
821011	0200	1.50	153	2.0
821011	0300	1.50	153	2.0
821011	0400	1.50	153	2.0
821011	0500	1.50	153	2.0
821011	0600	1.50	153	2.0
821011	0700	1.50	153	2.0

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821011	0800	1.50	153	2.0
821011	0900	1.53	162	2.0
821011	1000	1.50	153	2.0
821011	1100	1.50	153	2.0
821011	1200	1.50	153	2.5
821011	1300	1.50	153	2.5
821011	1400	1.50	153	2.5
821011	1500	1.50	153	2.5
821011	1600	1.50	153	2.5
821011	1700	1.50	153	2.5
821011	1800	1.50	153	2.0
821011	1900	1.50	153	2.0
821011	2000	1.50	153	2.0
821011	2100	1.50	153	2.0
821011	2200	1.50	153	2.0
821011	2300	1.50	153	2.0
821011	2400	1.50	153	1.5
821011	DAILY MEAN	1.50	154	2.1
821012	0100	1.53	162	1.5
821012	0200	1.53	162	1.5
821012	0300	1.53	162	1.0
821012	0400	1.53	162	1.0
821012	0500	1.53	162	1.5
821012	0600	1.53	162	1.5
821012	0700	1.53	162	1.5
821012	0800	1.53	162	1.5
821012	0900	1.53	162	1.5
821012	1000	1.53	162	2.0
821012	1100	1.50	153	2.0
821012	1200	1.53	162	2.0
821012	1300	1.53	162	2.0
821012	1400	1.50	153	2.5
821012	1500	1.50	153	2.5
821012	1600	1.50	153	2.5
821012	1700	1.53	162	2.5
821012	1800	1.53	162	2.5
821012	1900	1.53	162	2.5
821012	2000	1.53	162	2.5
821012	2100	1.57	171	2.5
821012	2200	1.57	171	2.5

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821012	2300	1.57	171	2.5
821012	2400	1.60	181	2.5
821012	DAILY MEAN	1.53	162	2.0
821013	0100	1.57	171	2.0
821013	0200	1.57	171	2.0
821013	0300	1.57	171	2.0
821013	0400	1.57	171	1.5
821013	0500	1.57	171	1.5
821013	0600	1.53	162	1.5
821013	0700	1.53	162	1.5
821013	0800	1.53	162	1.5
821013	0900	1.53	162	1.5
821013	1000	1.53	162	1.5
821013	1100	1.53	162	1.5
821013	1200	1.53	162	1.5
821013	1300	1.53	162	1.5
821013	1400	1.50	153	2.0
821013	1500	1.53	162	2.0
821013	1600	1.50	153	2.0
821013	1700	1.50	153	2.0
821013	1800	1.50	153	2.0
821013	1900	1.50	153	2.0
821013	2000	1.50	153	2.0
821013	2100	1.50	153	2.0
821013	2200	1.50	153	1.5
821013	2300	1.50	153	1.5
821013	2400	1.50	153	1.5
821013	DAILY MEAN	1.53	160	1.7
821014	0100	1.50	153	1.5
821014	0200	1.50	153	1.0
821014	0300	1.50	153	1.5
821014	0400	1.50	153	1.0
821014	0500	1.50	153	1.0
821014	0600	1.47	144	1.0
821014	0700	1.47	144	1.0
821014	0800	1.47	144	1.0
821014	0900	1.47	144	1.0
821014	1000	1.47	144	1.0

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821014	1100	1.47	144	1.5
821014	1200	1.47	144	1.5
821014	1300	1.47	144	2.0
821014	1400	1.47	144	2.0
821014	1500	1.47	144	2.0
821014	1600	1.47	144	2.0
821014	1700	1.47	144	2.0
821014	1800	1.47	144	2.0
821014	1900	1.47	144	1.5
821014	2000	1.47	144	1.5
821014	2100	1.47	144	1.0
821014	2200	1.47	144	1.0
821014	2300	1.47	144	.5
821014	2400	1.47	144	.5
821014	DAILY MEAN	1.47	146	1.3
821015	0100	1.47	144	0.0
821015	0200	1.43	136	0.0
821015	0300	1.43	136	0.0
821015	0400	1.43	136	0.0
821015	0500	1.43	136	0.0
821015	0600	1.40	129	0.0
821015	0700	1.40	129	0.0
821015	0800	1.40	129	0.0
821015	0900	1.40	129	0.0
821015	1000	1.37	121	0.0
821015	1100	1.37	121	0.0
821015	1200	1.37	121	0.0
821015	1300	1.40	129	.5
821015	1400	1.40	129	.5
821015	1500	1.43	136	.5
821015	1600	1.43	136	.5
821015	1700	1.43	136	.5
821015	1800	1.40	129	.5
821015	1900	1.40	129	.5
821015	2000	1.43	136	0.0
821015	2100	1.43	136	0.0
821015	2200	1.43	136	0.0
821015	2300	1.43	136	0.0
821015	2400	1.43	136	0.0

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821015	DAILY MEAN	1.42	132	.1
821016	0100	1.43	136	0.0
821016	0200	1.40	129	0.0
821016	0300	1.43	136	0.0
821016	0400	1.40	129	0.0
821016	0500	1.40	129	0.0
821016	0600	1.40	129	0.0
821016	0700	1.40	129	.5
821016	0800	1.40	129	.5
821016	0900	1.43	136	.5
821016	1000	1.43	136	.5
821016	1100	1.43	136	.5
821016	1200	1.43	136	1.0
821016	1300	1.43	136	.5
821016	1400	1.43	136	.5
821016	1500	1.43	136	.5
821016	1600	1.43	136	1.0
821016	1700	1.43	136	1.0
821016	1800	1.43	136	1.0
821016	1900	1.43	136	1.0
821016	2000	1.43	136	1.0
821016	2100	1.43	136	1.0
821016	2200	1.43	136	1.0
821016	2300	1.43	136	1.0
821016	2400	1.43	136	1.0
821016	DAILY MEAN	1.42	134	.6
821017	0100	1.43	136	1.0
821017	0200	1.43	136	1.0
821017	0300	1.43	136	1.0
821017	0400	1.43	136	1.0
821017	0500	1.43	136	1.0
821017	0600	1.43	136	1.5
821017	0700	1.43	136	1.5
821017	0800	1.43	136	1.5
821017	0900	1.43	136	1.5
821017	1000	1.43	136	1.5
821017	1100	1.43	136	2.0
821017	1200	1.43	136	2.0
821017	1300	1.43	136	2.0

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821017	1400	1.43	136	2.5
821017	1500	1.43	136	2.5
821017	1600	1.43	136	2.5
821017	1700	1.43	136	2.0
821017	1800	1.43	136	2.0
821017	1900	1.43	136	2.0
821017	2000	1.43	136	1.5
821017	2100	1.43	136	1.5
821017	2200	1.43	136	1.0
821017	2300	1.43	136	1.0
821017	2400	1.43	136	.5
821017	DAILY MEAN	1.43	136	1.6
821018	0100	1.43	136	.5
821018	0200	1.43	136	0.0
821018	0300	1.40	129	0.0
821018	0400	1.40	129	0.0
821018	0500	1.40	129	0.0
821018	0600	1.40	129	0.0
821018	0700	1.40	129	0.0
821018	0800	1.40	129	0.0
821018	0900	1.40	129	0.0
821018	1000	1.40	129	0.0
821018	1100	1.40	129	.5
821018	1200	1.40	129	.5
821018	1300	1.40	129	.5
821018	1400	1.40	129	1.0
821018	1500	1.40	129	1.0
821018	1600	1.40	129	1.5
821018	1700	1.40	129	1.0
821018	1800	1.40	129	1.5
821018	1900	1.40	129	1.5
821018	2000	1.43	136	1.0
821018	2100	1.40	129	1.0
821018	2200	1.40	129	1.0
821018	2300	1.40	129	1.0
821018	2400	1.40	129	1.0
821018	DAILY MEAN	1.40	130	.6
821019	0100	1.40	129	1.0

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821019	0200	1.40	129	1.0
821019	0300	1.40	129	1.0
821019	0400	1.40	129	1.0
821019	0500	1.40	129	1.0
821019	0600	1.40	129	1.0
821019	0700	1.40	129	.5
821019	0800	1.40	129	.5
821019	0900	1.40	129	0.0
821019	1000	1.40	129	.5
821019	1100	1.43	136	.5
821019	1200	1.40	129	.5
821019	1300	1.40	129	1.0
821019	1400	1.40	129	1.0
821019	1500	1.40	129	1.5
821019	1600	1.40	129	1.5
821019	1700	1.40	129	1.5
821019	1800	1.40	129	1.5
821019	1900	1.40	129	1.5
821019	2000	1.40	129	1.5
821019	2100	1.40	129	1.5
821019	2200	1.40	129	1.5
821019	2300	1.40	129	1.0
821019	2400	1.40	129	1.0
821019	DAILY MEAN	1.40	129	1.0
821020	0100	1.40	129	1.0
821020	0200	1.40	129	1.0
821020	0300	1.40	129	.5
821020	0400	1.40	129	.5
821020	0500	1.37	121	.5
821020	0600	1.37	121	.5
821020	0700	1.40	129	.5
821020	0800	1.37	121	.5
821020	0900	1.37	121	.5
821020	1000	1.37	121	.5
821020	1100	1.37	121	.5
821020	1200	1.37	121	1.0
821020	1300	1.37	121	1.0
821020	1400	1.37	121	1.0
821020	1500	1.37	121	1.0
821020	1600	1.37	121	1.0

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821020	1700	1.37	121	1.0
821020	1800	1.37	121	1.0
821020	1900	1.37	121	.5
821020	2000	1.37	121	.5
821020	2100	1.37	121	.5
821020	2200	1.37	121	0.0
821020	2300	1.37	121	0.0
821020	2400	1.37	121	0.0
821020	DAILY MEAN	1.37	123	.6
821021	0100	1.33	114	0.0
821021	0200	1.33	114	0.0
821021	0300	1.33	114	0.0
821021	0400	1.33	114	0.0
821021	0500	1.33	114	0.0
821021	0600	1.33	114	0.0
821021	0700	1.33	114	0.0
821021	0800	1.33	114	0.0
821021	0900	1.33	114	0.0
821021	1000	1.33	114	0.0
821021	1100	1.30	108	0.0
821021	1200	1.30	108	0.0
821021	1300	1.30	108	0.0
821021	1400	1.30	108	0.0
821021	1500	1.30	108	0.0
821021	1600	1.30	108	0.0
821021	1700	1.30	108	0.0
821021	1800	1.30	108	0.0
821021	1900	1.30	108	0.0
821021	2000	1.30	108	0.0
821021	2100	1.30	108	0.0
821021	2200	1.30	108	0.0
821021	2300	1.27	101	0.0
821021	2400	1.27	101	0.0
821021	DAILY MEAN	1.31	110	0.0
821022	0100	1.27	101	0.0
821022	0200	1.30	108	0.0
821022	0300	1.30	108	0.0
821022	0400	1.30	108	0.0

Appendix Table 4-A-4 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821022	0500	1.30	108	0.0
821022	0600	1.30	108	0.0
821022	0700	1.30	108	0.0
821022	0800	1.30	108	0.0
821022	0900	1.30	108	0.0
821022	1000	1.30	108	0.0
821022	1100	1.30	108	0.0
821022	1200	1.30	108	0.0
821022	1300	1.30	108	0.0
821022	1400	1.30	108	0.0
821022	1500	1.33	114	0.0
821022	1600	1.37	121	0.0
821022	1700	1.33	114	0.0
821022	1800	1.33	114	0.0
821022	1900	1.33	114	0.0
821022	2000	1.33	114	0.0
821022	2100	1.37	121	0.0
821022	2200	1.37	121	0.0
821022	2300	1.37	121	0.0
821022	2400	1.37	121	0.0
821022	DAILY MEAN	1.32	111	0.0

Appendix Table 4-A-5 Continuous hourly streamflow and surface water temperature record for Portage Creek, Alaska.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820808	1300	2.17	598	10.5
820808	1400	2.13	582	10.0
820808	1500	2.13	582	10.0
820808	1600	2.13	582	10.5
820808	1700	2.13	582	10.0
820808	1800	2.10	565	10.5
820808	1900	2.10	565	10.0
820808	2000	2.13	582	9.5
820808	2100	2.13	582	9.5
820808	2200	2.17	598	9.5
820808	2300	2.17	598	9.0
820808	2400	2.17	598	9.0
820808	DAILY MEAN	-----	-----	-----
820809	0100	2.17	598	8.5
820809	0200	2.17	598	8.5
820809	0300	2.20	615	8.0
820809	0400	2.17	598	8.0
820809	0500	2.17	598	8.0
820809	0600	2.17	598	8.0
820809	0700	2.17	598	7.5
820809	0800	2.17	598	7.5
820809	0900	2.17	598	7.5
820809	1000	2.17	598	8.0
820809	1100	2.13	582	8.0
820809	1200	2.17	598	8.0
820809	1300	2.17	598	8.0
820809	1400	2.17	598	8.0
820809	1500	2.17	598	9.0
820809	1600	2.17	598	8.5
820809	1700	2.17	598	8.0
820809	1800	2.20	615	8.0
820809	1900	2.20	615	8.0
820809	2000	2.20	615	8.0
820809	2100	2.20	615	8.0
820809	2200	2.17	598	8.0
820809	2300	2.20	615	7.5
820809	2400	2.17	598	7.5
820809	DAILY MEAN	2.17	602	8.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820810	0100	2.17	598	7.5
820810	0200	2.13	582	7.5
820810	0300	2.17	598	7.5
820810	0400	2.17	598	7.5
820810	0500	2.17	598	7.0
820810	0600	2.17	598	7.0
820810	0700	2.17	598	7.0
820810	0800	2.17	598	7.0
820810	0900	2.20	615	7.5
820810	1000	2.20	615	7.0
820810	1100	2.23	632	7.5
820810	1200	2.23	632	8.0
820810	1300	2.23	632	8.0
820810	1400	2.23	632	8.5
820810	1500	2.27	649	8.5
820810	1600	2.27	649	8.5
820810	1700	2.27	649	9.0
820810	1800	2.27	649	8.5
820810	1900	2.27	649	8.5
820810	2000	2.27	649	8.5
820810	2100	2.27	649	8.5
820810	2200	2.27	649	8.0
820810	2300	2.27	649	8.0
820810	2400	2.27	649	8.0
820810	DAILY MEAN	2.22	625	7.9
820811	0100	2.23	632	7.5
820811	0200	2.27	649	7.5
820811	0300	2.23	632	7.5
820811	0400	2.23	632	7.0
820811	0500	2.23	632	7.0
820811	0600	2.20	615	7.0
820811	0700	2.20	615	7.0
820811	0800	2.20	615	7.0
820811	0900	2.17	598	7.0
820811	1000	2.17	598	7.0
820811	1100	2.17	598	7.5
820811	1200	2.17	598	8.5
820811	1300	2.17	598	9.0
820811	1400	2.13	582	11.0
820811	1500	2.13	582	11.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820811	1600	2.13	582	12.0
820811	1700	2.10	565	10.5
820811	1800	2.10	565	10.5
820811	1900	2.10	565	10.0
820811	2000	2.10	565	10.0
820811	2100	2.10	565	9.5
820811	2200	2.10	565	9.5
820811	2300	2.10	565	9.0
820811	2400	2.07	549	8.5
820811	DAILY MEAN	2.16	594	8.7
820812	0100	2.07	549	8.0
820812	0200	2.07	549	7.5
820812	0300	2.07	549	7.5
820812	0400	2.07	549	7.0
820812	0500	2.07	549	6.5
820812	0600	2.07	549	6.5
820812	0700	2.03	533	6.0
820812	0800	2.07	549	6.0
820812	0900	2.03	533	6.0
820812	1000	2.03	533	6.0
820812	1100	2.03	533	6.5
820812	1200	2.03	533	7.5
820812	1300	2.00	516	10.5
820812	1400	2.00	516	11.0
820812	1500	2.00	516	11.5
820812	1600	2.00	516	11.5
820812	1700	1.97	500	11.5
820812	1800	2.00	516	10.5
820812	1900	1.97	500	10.5
820812	2000	2.00	516	10.5
820812	2100	1.97	500	10.5
820812	2200	2.00	516	10.0
820812	2300	2.00	516	9.5
820812	2400	1.97	500	9.5
820812	DAILY MEAN	2.02	527	8.7
820813	0100	1.97	500	9.0
820813	0200	1.97	500	8.5
820813	0300	1.97	500	8.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820813	0400	1.97	500	8.0
820813	0500	1.97	500	7.5
820813	0600	1.97	500	7.5
820813	0700	1.97	500	7.0
820813	0800	1.97	500	7.0
820813	0900	1.97	500	7.0
820813	1000	1.97	500	7.5
820813	1100	1.93	484	7.5
820813	1200	1.93	484	8.5
820813	1300	1.93	484	12.0
820813	1400	1.93	484	12.0
820813	1500	1.93	484	13.0
820813	1600	1.93	484	13.0
820813	1700	1.93	484	12.5
820813	1800	1.93	484	11.5
820813	1900	1.93	484	11.5
820813	2000	1.90	468	11.5
820813	2100	1.93	484	11.0
820813	2200	1.93	484	11.0
820813	2300	1.90	468	10.5
820813	2400	1.90	468	10.5
820813	DAILY MEAN	1.94	489	9.7
820814	0100	1.93	484	10.5
820814	0200	1.90	468	10.0
820814	0300	1.93	484	10.0
820814	0400	1.90	468	9.5
820814	0500	1.90	468	9.5
820814	0600	1.93	484	9.0
820814	0700	1.93	484	9.0
820814	0800	1.90	468	9.0
820814	0900	1.93	484	9.0
820814	1000	1.90	468	9.0
820814	1100	1.93	484	9.0
820814	1200	1.90	468	9.0
820814	1300	1.93	484	8.5
820814	1400	1.93	484	9.0
820814	1500	1.93	484	11.0
820814	1600	1.93	484	10.0
820814	1700	1.93	484	9.5
820814	1800	1.93	484	9.5

Appendix Table 4-A5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820814	1900	1.97	500	9.5
820814	2000	1.97	500	9.5
820814	2100	1.97	500	9.5
820814	2200	1.97	500	9.5
820814	2300	1.97	500	9.5
820814	2400	1.97	500	9.0
820814	DAILY MEAN	1.93	484	9.4
820815	0100	1.97	500	9.0
820815	0200	1.97	500	9.0
820815	0300	1.97	500	8.5
820815	0400	2.00	516	8.5
820815	0500	1.97	500	8.5
820815	0600	1.97	500	8.0
820815	0700	1.97	500	8.0
820815	0800	2.00	516	8.0
820815	0900	2.00	516	8.0
820815	1000	1.97	500	8.5
820815	1100	2.00	516	9.0
820815	1200	1.97	500	9.5
820815	1300	1.97	500	10.0
820815	1400	1.97	500	11.5
820815	1500	1.97	500	10.5
820815	1600	1.93	484	10.5
820815	1700	1.93	484	10.5
820815	1800	1.93	484	10.5
820815	1900	1.93	484	10.0
820815	2000	1.93	484	10.0
820815	2100	1.93	484	9.5
820815	2200	1.90	468	9.5
820815	2300	1.90	468	9.0
820815	2400	1.90	468	9.0
820815	DAILY MEAN	1.96	495	9.3
820816	0100	1.90	468	8.5
820816	0200	1.90	468	8.5
820816	0300	1.90	468	8.5
820816	0400	1.90	468	8.0
820816	0500	1.90	468	8.0
820816	0600	1.90	468	8.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820816	0700	1.87	453	8.0
820816	0800	1.87	453	8.0
820816	0900	1.87	453	8.0
820816	1000	1.87	453	8.0
820816	1100	1.87	453	8.0
820816	1200	1.87	453	8.5
820816	1300	1.87	453	11.0
820816	1400	1.87	453	11.0
820816	1500	1.87	453	12.5
820816	1600	1.83	437	12.5
820816	1700	1.83	437	12.0
820816	1800	1.83	437	11.0
820816	1900	1.83	437	11.0
820816	2000	1.83	437	11.0
820816	2100	1.83	437	10.5
820816	2200	1.83	437	10.5
820816	2300	1.83	437	10.0
820816	2400	1.83	437	9.5
820816	DAILY MEAN	1.86	451	9.6
820817	0100	1.83	437	9.5
820817	0200	1.83	437	9.5
820817	0300	1.83	437	9.0
820817	0400	1.83	437	9.0
820817	0500	1.83	437	8.5
820817	0600	1.83	437	8.5
820817	0700	1.83	437	8.5
820817	0800	1.83	437	8.0
820817	0900	1.87	453	8.0
820817	1000	1.87	453	8.0
820817	1100	1.90	468	8.0
820817	1200	1.90	468	8.0
820817	1300	1.90	468	8.0
820817	1400	1.90	468	8.5
820817	1500	1.93	484	8.5
820817	1600	1.93	484	9.5
820817	1700	1.93	484	9.0
820817	1800	1.93	484	9.5
820817	1900	1.97	500	9.0
820817	2000	1.93	484	9.0
820817	2100	1.97	500	9.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820817	2200	1.93	484	8.5
820817	2300	1.93	484	8.0
820817	2400	1.93	484	8.0
820817	DAILY MEAN	1.89	464	8.6
820818	0100	1.93	484	8.0
820818	0200	1.93	484	7.5
820818	0300	1.93	484	7.5
820818	0400	1.90	468	7.0
820818	0500	1.90	468	7.0
820818	0600	1.90	468	7.0
820818	0700	1.90	468	7.0
820818	0800	1.90	468	7.5
820818	0900	1.90	468	7.5
820818	1000	1.87	453	7.5
820818	1100	1.87	453	8.0
820818	1200	1.87	453	8.5
820818	1300	1.87	453	9.0
820818	1400	1.87	453	9.0
820818	1500	1.87	453	9.5
820818	1600	1.87	453	9.5
820818	1700	1.83	437	9.5
820818	1800	1.83	437	10.0
820818	1900	1.83	437	9.5
820818	2000	1.83	437	9.5
820818	2100	1.83	437	9.0
820818	2200	1.83	437	9.0
820818	2300	1.83	437	8.5
820818	2400	1.83	437	8.5
820818	DAILY MEAN	1.87	455	8.4
820819	0100	1.83	437	8.0
820819	0200	1.83	437	7.5
820819	0300	1.83	437	7.5
820819	0400	1.80	421	7.0
820819	0500	1.83	437	7.0
820819	0600	1.80	421	6.5
820819	0700	1.80	421	6.5
820819	0800	1.80	421	6.5
820819	0900	1.80	421	7.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820819	1000	1.80	421	7.0
820819	1100	1.80	421	7.0
820819	1200	1.80	421	8.0
820819	1300	1.80	421	8.5
820819	1400	1.80	421	9.5
820819	1500	1.80	421	11.0
820819	1600	1.77	406	11.0
820819	1700	1.77	406	11.0
820819	1800	1.77	406	10.5
820819	1900	1.77	406	10.5
820819	2000	1.77	406	10.5
820819	2100	1.77	406	10.5
820819	2200	1.77	406	10.0
820819	2300	1.77	406	9.5
820819	2400	1.77	406	9.5
820819	DAILY MEAN	1.79	418	8.6
820820	0100	1.77	406	9.0
820820	0200	1.77	406	8.5
820820	0300	1.77	406	8.0
820820	0400	1.77	406	8.0
820820	0500	1.77	406	8.0
820820	0600	1.77	406	7.5
820820	0700	1.73	390	7.5
820820	0800	1.77	406	7.5
820820	0900	1.73	390	8.0
820820	1000	1.77	406	7.5
820820	1100	1.73	390	8.0
820820	1200	1.73	390	8.5
820820	1300	1.73	390	9.5
820820	1400	1.73	390	10.5
820820	1500	1.73	390	12.5
820820	1600	1.73	390	12.5
820820	1700	1.70	375	12.5
820820	1800	1.73	390	11.5
820820	1900	1.70	375	11.5
820820	2000	1.73	390	11.0
820820	2100	1.73	390	10.5
820820	2200	1.70	375	10.0
820820	2300	1.70	375	10.0
820820	2400	1.70	375	9.5

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820820	DAILY MEAN	1.74	392	9.5
820821	0100	1.73	390	9.5
820821	0200	1.73	390	9.0
820821	0300	1.73	390	8.5
820821	0400	1.70	375	8.5
820821	0500	1.70	375	8.0
820821	0600	1.73	390	7.5
820821	0700	1.73	390	7.5
820821	0800	1.70	375	7.0
820821	0900	1.70	375	7.0
820821	1000	1.70	375	7.0
820821	1100	1.70	375	7.5
820821	1200	1.70	375	8.0
820821	1300	1.70	375	9.5
820821	1400	1.70	375	11.0
820821	1500	1.70	375	12.0
820821	1600	1.67	360	12.0
820821	1700	1.67	360	11.5
820821	1800	1.70	375	11.0
820821	1900	1.70	375	11.0
820821	2000	1.67	360	11.0
820821	2100	1.67	360	11.0
820821	2200	1.70	375	10.5
820821	2300	1.70	375	10.5
820821	2400	1.70	375	10.0
820821	DAILY MEAN	1.70	376	9.4
820822	0100	1.67	360	9.5
820822	0200	1.70	375	9.0
820822	0300	1.70	375	8.5
820822	0400	1.70	375	8.0
820822	0500	1.67	360	8.0
820822	0600	1.67	360	7.5
820822	0700	1.67	360	7.0
820822	0800	1.67	360	7.0
820822	0900	1.67	360	7.0
820822	1000	1.67	360	7.0
820822	1100	1.67	360	7.0
820822	1200	1.67	360	8.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820822	1300	1.67	360	10.0
820822	1400	1.67	360	10.5
820822	1500	1.67	360	12.0
820822	1600	1.67	360	11.5
820822	1700	1.63	345	11.5
820822	1800	1.67	360	11.0
820822	1900	1.63	345	11.0
820822	2000	1.67	360	11.0
820822	2100	1.63	345	11.0
820822	2200	1.63	345	10.5
820822	2300	1.67	360	10.5
820822	2400	1.67	360	10.5
820822	DAILY MEAN	1.67	359	9.4
820823	0100	1.67	360	10.0
820823	0200	1.63	345	10.0
820823	0300	1.67	360	9.5
820823	0400	1.67	360	9.5
820823	0500	1.67	360	9.5
820823	0600	1.67	360	9.0
820823	0700	1.67	360	9.0
820823	0800	1.67	360	9.0
820823	0900	1.67	360	9.0
820823	1000	1.67	360	9.0
820823	1100	1.67	360	9.0
820823	1200	1.67	360	9.5
820823	1300	1.70	375	10.0
820823	1400	1.70	375	10.0
820823	1500	1.70	375	10.5
820823	1600	1.70	375	10.5
820823	1700	1.70	375	10.0
820823	1800	1.70	375	10.5
820823	1900	1.70	375	10.5
820823	2000	1.73	390	10.5
820823	2100	1.70	375	10.5
820823	2200	1.73	390	10.0
820823	2300	1.73	390	10.0
820823	2400	1.73	390	9.5
820823	DAILY MEAN	1.69	369	9.8

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820824	0100	1.70	375	9.5
820824	0200	1.73	390	9.0
820824	0300	1.70	375	9.0
820824	0400	1.70	375	9.0
820824	0500	1.70	375	8.5
820824	0600	1.70	375	8.5
820824	0700	1.70	375	8.5
820824	0800	1.70	375	8.5
820824	0900	1.70	375	8.5
820824	1000	1.70	375	9.0
820824	1100	1.67	360	9.0
820824	1200	1.70	375	9.5
820824	1300	1.67	360	10.5
820824	1400	1.67	360	10.5
820824	1500	1.67	360	12.0
820824	1600	1.67	360	11.0
820824	1700	1.67	360	11.5
820824	1800	1.67	360	11.5
820824	1900	1.67	360	11.0
820824	2000	1.67	360	11.0
820824	2100	1.67	360	10.5
820824	2200	1.67	360	10.0
820824	2300	1.67	360	10.0
820824	2400	1.70	375	10.0
820824	DAILY MEAN	1.68	368	9.8
820825	0100	1.70	375	9.5
820825	0200	1.70	375	9.5
820825	0300	1.70	375	9.5
820825	0400	1.70	375	9.0
820825	0500	1.70	375	9.0
820825	0600	1.70	375	9.0
820825	0700	1.70	375	9.0
820825	0800	1.70	375	8.5
820825	0900	1.70	375	9.0
820825	1000	1.70	375	9.0
820825	1100	1.70	375	9.5
820825	1200	1.67	360	9.5
820825	1300	1.70	375	10.0
820825	1400	1.70	375	11.0
820825	1500	1.67	360	12.5

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820825	1600	1.67	360	12.0
820825	1700	1.67	360	11.0
820825	1800	1.67	360	11.0
820825	1900	1.67	360	10.5
820825	2000	1.67	360	10.5
820825	2100	1.70	375	10.5
820825	2200	1.70	375	10.5
820825	2300	1.70	375	10.0
820825	2400	1.70	375	10.0
820825	DAILY MEAN	1.69	371	10.0
820826	0100	1.73	390	9.5
820826	0200	1.73	390	9.5
820826	0300	1.73	390	9.5
820826	0400	1.73	390	9.0
820826	0500	1.73	390	9.0
820826	0600	1.73	390	9.0
820826	0700	1.77	406	8.5
820826	0800	1.77	406	8.5
820826	0900	1.77	406	8.5
820826	1000	1.77	406	8.5
820826	1100	1.77	406	9.0
820826	1200	1.77	406	9.0
820826	1300	1.77	406	10.0
820826	1400	1.73	390	11.0
820826	1500	1.73	390	12.0
820826	1600	1.73	390	11.5
820826	1700	1.73	390	11.5
820826	1800	1.73	390	11.0
820826	1900	1.73	390	11.0
820826	2000	1.73	390	11.0
820826	2100	1.73	390	10.5
820826	2200	1.70	375	10.0
820826	2300	1.73	390	10.0
820826	2400	1.70	375	9.5
820826	DAILY MEAN	1.74	394	9.9
820827	0100	1.70	375	9.0
820827	0200	1.70	375	8.5
820827	0300	1.70	375	8.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820827	0400	1.70	375	8.0
820827	0500	1.70	375	7.5
820827	0600	1.70	375	7.0
820827	0700	1.70	375	7.0
820827	0800	1.67	360	6.5
820827	0900	1.70	375	6.5
820827	1000	1.70	375	6.5
820827	1100	1.70	375	6.5
820827	1200	1.67	360	7.5
820827	1300	1.67	360	9.0
820827	1400	1.67	360	9.5
820827	1500	1.67	360	11.5
820827	1600	1.67	360	11.5
820827	1700	1.63	345	11.0
820827	1800	1.67	360	10.0
820827	1900	1.67	360	10.0
820827	2000	1.63	345	10.0
820827	2100	1.63	345	10.0
820827	2200	1.63	345	9.5
820827	2300	1.63	345	9.5
820827	2400	1.63	345	9.0
820827	DAILY MEAN	1.67	362	8.7
820828	0100	1.63	345	8.5
820828	0200	1.63	345	8.5
820828	0300	1.63	345	8.0
820828	0400	1.63	345	7.5
820828	0500	1.63	345	7.5
820828	0600	1.63	345	7.0
820828	0700	1.63	345	7.0
820828	0800	1.63	345	7.0
820828	0900	1.63	345	7.0
820828	1000	1.63	345	7.0
820828	1100	1.60	330	7.5
820828	1200	1.63	345	7.5
820828	1300	1.63	345	7.5
820828	1400	1.63	345	8.0
820828	1500	1.63	345	9.5
820828	1600	1.63	345	9.0
820828	1700	1.63	345	9.0
820828	1800	1.60	330	9.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820828	1900	1.63	345	9.0
820828	2000	1.60	330	9.0
820828	2100	1.63	345	9.0
820828	2200	1.63	345	8.5
820828	2300	1.60	330	8.5
820828	2400	1.60	330	8.5
820828	DAILY MEAN	1.63	342	8.1
820829	0100	1.60	330	8.5
820829	0200	1.63	345	8.5
820829	0300	1.63	345	8.0
820829	0400	1.63	345	8.0
820829	0500	1.63	345	8.0
820829	0600	1.63	345	8.0
820829	0700	1.63	345	8.0
820829	0800	1.63	345	8.0
820829	0900	1.67	360	8.0
820829	1000	1.67	360	8.0
820829	1100	1.70	375	8.0
820829	1200	1.70	375	8.5
820829	1300	1.70	375	8.5
820829	1400	1.73	390	8.5
820829	1500	1.73	390	9.0
820829	1600	1.77	406	9.0
820829	1700	1.80	421	9.0
820829	1800	1.80	421	9.0
820829	1900	1.80	421	9.0
820829	2000	1.83	437	8.5
820829	2100	1.83	437	8.5
820829	2200	1.83	437	8.5
820829	2300	1.87	453	8.5
820829	2400	1.87	453	8.5
820829	DAILY MEAN	1.72	385	8.4
820830	0100	1.87	453	8.0
820830	0200	1.90	468	8.0
820830	0300	1.90	468	8.0
820830	0400	1.90	468	8.0
820830	0500	1.93	484	7.5
820830	0600	1.93	484	7.5

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820830	0700	1.97	500	7.5
820830	0800	2.00	516	7.5
820830	0900	2.00	516	7.5
820830	1000	2.03	533	7.5
820830	1100	2.07	549	7.5
820830	1200	2.10	565	7.5
820830	1300	2.17	598	7.5
820830	1400	2.20	615	7.5
820830	1500	2.27	649	7.5
820830	1600	2.33	682	7.5
820830	1700	2.40	716	7.5
820830	1800	2.43	734	7.5
820830	1900	2.50	768	7.5
820830	2000	2.50	768	7.5
820830	2100	2.53	786	7.5
820830	2200	2.53	786	7.0
820830	2300	2.53	786	7.0
820830	2400	2.53	786	7.0
820830	DAILY MEAN	2.19	609	7.5
820831	0100	2.53	786	7.0
820831	0200	2.53	786	7.0
820831	0300	2.57	803	7.0
820831	0400	2.57	803	7.0
820831	0500	2.57	803	6.5
820831	0600	2.60	821	6.5
820831	0700	2.57	803	6.5
820831	0800	2.57	803	6.5
820831	0900	2.57	803	6.5
820831	1000	2.57	803	6.5
820831	1100	2.53	786	7.0
820831	1200	2.53	786	7.0
820831	1300	2.50	768	7.0
820831	1400	2.47	751	7.5
820831	1500	2.50	768	8.0
820831	1600	2.47	751	8.0
820831	1700	2.43	734	8.0
820831	1800	2.43	734	8.0
820831	1900	2.40	716	8.0
820831	2000	2.43	734	8.0
820831	2100	2.40	716	8.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820831	2200	2.37	699	7.5
820831	2300	2.40	716	7.5
820831	2400	2.40	716	7.5
820831	DAILY MEAN	2.50	766	7.3
820901	0100	2.40	716	7.0
820901	0200	2.40	716	7.0
820901	0300	2.37	699	7.0
820901	0400	2.33	682	7.0
820901	0500	2.37	699	7.0
820901	0600	2.33	682	7.0
820901	0700	2.33	682	6.5
820901	0800	2.33	682	6.5
820901	0900	2.33	682	7.0
820901	1000	2.37	699	7.0
820901	1100	2.33	682	7.5
820901	1200	2.33	682	7.5
820901	1300	2.30	665	8.0
820901	1400	2.30	665	8.0
820901	1500	2.30	665	8.5
820901	1600	2.30	665	8.5
820901	1700	2.30	665	8.5
820901	1800	2.27	649	8.5
820901	1900	2.27	649	9.0
820901	2000	2.27	649	8.5
820901	2100	2.27	649	8.5
820901	2200	2.23	632	8.0
820901	2300	2.27	649	7.5
820901	2400	2.23	632	7.5
820901	DAILY MEAN	2.31	672	7.6
820902	0100	2.23	632	7.0
820902	0200	2.23	632	7.0
820902	0300	2.23	632	6.5
820902	0400	2.23	632	6.5
820902	0500	2.23	632	6.5
820902	0600	2.20	615	6.5
820902	0700	2.20	615	6.5
820902	0800	2.20	615	6.5
820902	0900	2.20	615	6.5

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820902	1000	2.20	615	7.0
820902	1100	2.20	615	7.0
820902	1200	2.17	598	7.5
820902	1300	2.17	598	8.0
820902	1400	2.17	598	8.5
820902	1500	2.17	598	8.5
820902	1600	2.17	598	8.5
820902	1700	2.13	582	8.5
820902	1800	2.13	582	8.5
820902	1900	2.17	598	8.5
820902	2000	2.17	598	8.5
820902	2100	2.20	615	8.0
820902	2200	2.20	615	8.0
820902	2300	2.20	615	7.5
820902	2400	2.23	632	7.5
820902	DAILY MEAN	2.19	612	7.5
820903	0100	2.20	615	7.5
820903	0200	2.23	632	7.5
820903	0300	2.23	632	7.0
820903	0400	2.27	649	7.0
820903	0500	2.27	649	7.0
820903	0600	2.27	649	7.0
820903	0700	2.30	665	6.5
820903	0800	2.30	665	6.5
820903	0900	2.33	682	6.5
820903	1000	2.33	682	6.5
820903	1100	2.33	682	6.5
820903	1200	2.37	699	7.0
820903	1300	2.37	699	7.0
820903	1400	2.37	699	7.0
820903	1500	2.37	699	7.5
820903	1600	2.37	699	7.5
820903	1700	2.37	699	7.5
820903	1800	2.37	699	7.5
820903	1900	2.40	716	7.5
820903	2000	2.40	716	7.5
820903	2100	2.40	716	7.0
820903	2200	2.37	699	7.0
820903	2300	2.40	716	7.0
820903	2400	2.37	699	7.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820903	DAILY MEAN	2.33	682	7.1
820904	0100	2.37	699	6.5
820904	0200	2.33	682	6.5
820904	0300	2.33	682	6.5
820904	0400	2.33	682	6.5
820904	0500	2.33	682	6.0
820904	0600	2.33	682	6.0
820904	0700	2.30	665	6.0
820904	0800	2.30	665	6.0
820904	0900	2.30	665	6.0
820904	1000	2.30	665	6.5
820904	1100	2.30	665	6.5
820904	1200	2.30	665	7.0
820904	1300	2.27	649	7.5
820904	1400	2.27	649	8.0
820904	1500	2.27	649	8.0
820904	1600	2.27	649	9.0
820904	1700	2.27	649	8.0
820904	1800	2.23	632	8.5
820904	1900	2.23	632	8.0
820904	2000	2.23	632	7.5
820904	2100	2.27	649	7.5
820904	2200	2.23	632	7.5
820904	2300	2.23	632	7.5
820904	2400	2.23	632	7.0
820904	DAILY MEAN	2.28	658	7.1
820905	0100	2.23	632	7.0
820905	0200	2.20	615	6.5
820905	0300	2.23	632	6.5
820905	0400	2.20	615	6.5
820905	0500	2.23	632	6.0
820905	0600	2.23	632	6.0
820905	0700	2.23	632	6.0
820905	0800	2.20	615	6.0
820905	0900	2.20	615	6.0
820905	1000	2.20	615	6.5
820905	1100	2.20	615	6.5
820905	1200	2.20	615	6.5

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820905	1300	2.20	615	7.0
820905	1400	2.20	615	7.5
820905	1500	2.17	598	7.5
820905	1600	2.20	615	8.0
820905	1700	2.17	598	8.0
820905	1800	2.17	598	8.0
820905	1900	2.17	598	8.0
820905	2000	2.17	598	8.0
820905	2100	2.17	598	8.0
820905	2200	2.17	598	8.0
820905	2300	2.13	582	7.5
820905	2400	2.13	582	7.5
820905	DAILY MEAN	2.19	611	7.0
820906	0100	2.13	582	7.5
820906	0200	2.17	598	7.5
820906	0300	2.13	582	7.5
820906	0400	2.13	582	7.0
820906	0500	2.13	582	7.0
820906	0600	2.13	582	7.0
820906	0700	2.13	582	7.0
820906	0800	2.13	582	7.0
820906	0900	2.13	582	7.0
820906	1000	2.13	582	7.5
820906	1100	2.13	582	7.5
820906	1200	2.13	582	7.5
820906	1300	2.13	582	7.5
820906	1400	2.13	582	8.0
820906	1500	2.13	582	8.0
820906	1600	2.13	582	8.0
820906	1700	2.13	582	8.0
820906	1800	2.13	582	8.0
820906	1900	2.10	565	8.0
820906	2000	2.13	582	8.0
820906	2100	2.10	565	8.0
820906	2200	2.10	565	7.5
820906	2300	2.10	565	7.5
820906	2400	2.10	565	7.5
820906	DAILY MEAN	2.13	579	7.5

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820907	0100	2.10	565	7.5
820907	0200	2.10	565	7.0
820907	0300	2.10	565	7.0
820907	0400	2.10	565	7.0
820907	0500	2.10	565	7.0
820907	0600	2.13	582	7.0
820907	0700	2.13	582	7.0
820907	0800	2.13	582	7.0
820907	0900	2.17	598	7.0
820907	1000	2.17	598	7.5
820907	1100	2.17	598	7.5
820907	1200	2.17	598	7.5
820907	1300	2.20	615	8.0
820907	1400	2.20	615	8.5
820907	1500	2.17	598	9.0
820907	1600	2.17	598	9.0
820907	1700	2.17	598	9.0
820907	1800	2.17	598	8.5
820907	1900	2.17	598	8.5
820907	2000	2.17	598	8.5
820907	2100	2.13	582	8.0
820907	2200	2.17	598	8.0
820907	2300	2.13	582	7.5
820907	2400	2.13	582	7.5
820907	DAILY MEAN	2.15	589	7.8
820908	0100	2.13	582	7.5
820908	0200	2.13	582	7.5
820908	0300	2.13	582	7.0
820908	0400	2.10	565	7.0
820908	0500	2.13	582	7.0
820908	0600	2.10	565	7.0
820908	0700	2.10	565	7.0
820908	0800	2.10	565	6.5
820908	0900	2.13	582	7.0
820908	1000	2.10	565	7.0
820908	1100	2.10	565	7.0
820908	1200	2.10	565	7.0
820908	1300	2.10	565	7.0
820908	1400	2.10	565	7.0
820908	1500	2.10	565	7.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820908	1600	2.07	549	7.0
820908	1700	2.07	549	7.0
820908	1800	2.07	549	7.0
820908	1900	2.07	549	7.5
820908	2000	2.07	549	7.0
820908	2100	2.07	549	7.0
820908	2200	2.07	549	7.0
820908	2300	2.07	549	7.0
820908	2400	2.07	549	7.0
820908	DAILY MEAN	2.09	563	7.0
820909	0100	2.07	549	6.5
820909	0200	2.07	549	6.5
820909	0300	2.07	549	6.5
820909	0400	2.07	549	6.5
820909	0500	2.07	549	6.5
820909	0600	2.07	549	6.5
820909	0700	2.07	549	6.5
820909	0800	2.10	565	6.5
820909	0900	2.07	549	6.5
820909	1000	2.07	549	6.5
820909	1100	2.07	549	6.5
820909	1200	2.07	549	7.0
820909	1300	2.07	549	7.0
820909	1400	2.07	549	7.5
820909	1500	2.07	549	7.5
820909	1600	2.07	549	7.5
820909	1700	2.10	565	7.5
820909	1800	2.07	549	7.5
820909	1900	2.10	565	7.5
820909	2000	2.10	565	7.5
820909	2100	2.10	565	7.5
820909	2200	2.13	582	7.0
820909	2300	2.13	582	7.0
820909	2400	2.17	598	7.0
820909	DAILY MEAN	2.08	557	6.9
820910	0100	2.17	598	7.0
820910	0200	2.17	598	6.5
820910	0300	2.17	598	6.5

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820910	0400	2.17	598	6.5
820910	0500	2.20	615	6.5
820910	0600	2.20	615	6.0
820910	0700	2.20	615	6.0
820910	0800	2.20	615	6.0
820910	0900	2.20	615	6.0
820910	1000	2.20	615	6.5
820910	1100	2.20	615	6.5
820910	1200	2.17	598	6.5
820910	1300	2.13	582	7.0
820910	1400	2.13	582	7.5
820910	1500	2.13	582	7.5
820910	1600	2.13	582	7.5
820910	1700	2.13	582	7.5
820910	1800	2.13	582	7.5
820910	1900	2.13	582	7.5
820910	2000	2.10	565	7.5
820910	2100	2.13	582	7.0
820910	2200	2.10	565	7.0
820910	2300	2.10	565	6.5
820910	2400	2.10	565	6.5
820910	DAILY MEAN	2.15	592	6.8
820911	0100	2.10	565	6.5
820911	0200	2.10	565	6.0
820911	0300	2.10	565	6.0
820911	0400	2.10	565	6.0
820911	0500	2.10	565	6.0
820911	0600	2.10	565	5.5
820911	0700	2.07	549	5.5
820911	0800	2.10	565	5.5
820911	0900	2.07	549	5.5
820911	1000	2.07	549	6.0
820911	1100	2.07	549	6.0
820911	1200	2.10	565	6.0
820911	1300	2.13	582	6.0
820911	1400	2.13	582	6.0
820911	1500	2.17	598	6.0
820911	1600	2.17	598	6.5
820911	1700	2.20	615	6.5
820911	1800	2.23	632	6.5

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820911	1900	2.23	632	6.0
820911	2000	2.27	649	6.0
820911	2100	2.27	649	6.0
820911	2200	2.27	649	6.0
820911	2300	2.23	632	6.0
820911	2400	2.23	632	5.5
820911	DAILY MEAN	2.15	590	6.0
820912	0100	2.23	632	5.5
820912	0200	2.23	632	5.5
820912	0300	2.20	615	5.5
820912	0400	2.20	615	5.5
820912	0500	2.20	615	5.0
820912	0600	2.20	615	5.0
820912	0700	2.20	615	5.0
820912	0800	2.17	598	4.5
820912	0900	2.17	598	4.5
820912	1000	2.17	598	4.5
820912	1100	2.17	598	4.5
820912	1200	2.17	598	5.0
820912	1300	2.13	582	5.5
820912	1400	2.13	582	6.0
820912	1500	2.13	582	6.5
820912	1600	2.13	582	6.5
820912	1700	2.10	565	6.5
820912	1800	2.13	582	6.5
820912	1900	2.13	582	6.5
820912	2000	2.13	582	6.5
820912	2100	2.10	565	6.5
820912	2200	2.13	582	6.5
820912	2300	2.13	582	6.5
820912	2400	2.13	582	6.5
820912	DAILY MEAN	2.16	595	5.7
820913	0100	2.13	582	6.0
820913	0200	2.20	615	6.0
820913	0300	2.20	615	6.0
820913	0400	2.23	632	6.0
820913	0500	2.27	649	6.0
820913	0600	2.30	665	5.5

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820913	0700	2.37	699	5.5
820913	0800	2.40	716	5.5
820913	0900	2.47	751	5.5
820913	1000	2.53	786	5.5
820913	1100	2.57	803	5.5
820913	1200	2.67	856	5.5
820913	1300	2.70	874	6.0
820913	1400	2.77	909	6.0
820913	1500	2.83	945	6.0
820913	1600	2.87	963	6.5
820913	1700	2.80	927	6.0
820913	1800	2.87	963	6.5
820913	1900	2.87	963	6.5
820913	2000	2.83	945	6.5
820913	2100	2.80	927	6.5
820913	2200	2.80	927	6.5
820913	2300	2.80	927	6.5
820913	2400	2.83	945	6.5
820913	DAILY MEAN	2.59	814	6.0
820914	0100	2.87	909	6.5
820914	0200	2.90	927	6.5
820914	0300	2.93	945	6.5
820914	0400	3.00	981	6.5
820914	0500	3.07	1018	6.5
820914	0600	3.10	1036	6.0
820914	0700	3.13	1054	6.0
820914	0800	3.17	1073	6.0
820914	0900	3.23	1110	6.0
820914	1000	3.27	1128	6.0
820914	1100	3.30	1147	6.0
820914	1200	3.23	1110	6.0
820914	1300	3.30	1147	6.5
820914	1400	3.27	1128	6.0
820914	1500	3.23	1110	6.0
820914	1600	3.27	1128	6.0
820914	1700	3.23	1110	6.5
820914	1800	3.20	1091	6.0
820914	1900	3.23	1110	6.0
820914	2000	3.27	1128	6.0
820914	2100	3.30	1147	6.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820914	2200	3.33	1166	6.0
820914	2300	3.37	1184	6.0
820914	2400	3.47	1241	6.0
820914	DAILY MEAN	3.19	1088	6.1
820915	0100	3.50	1260	6.0
820915	0200	3.57	1298	6.0
820915	0300	3.60	1317	6.0
820915	0400	3.67	1355	6.0
820915	0500	3.73	1394	6.0
820915	0600	3.80	1433	6.0
820915	0700	3.87	1472	6.0
820915	0800	3.93	1511	6.0
820915	0900	4.07	1589	6.0
820915	1000	4.07	1589	6.0
820915	1100	4.13	1629	6.0
820915	1200	4.30	1729	6.5
820915	1300	4.33	1749	6.5
820915	1400	4.27	1709	7.0
820915	1500	4.27	1709	7.0
820915	1600	4.30	1729	7.5
820915	1700	4.23	1689	7.5
820915	1800	4.33	1749	7.5
820915	1900	4.20	1669	7.5
820915	2000	4.17	1649	7.0
820915	2100	4.23	1689	7.0
820915	2200	4.27	1709	7.0
820915	2300	4.23	1689	7.0
820915	2400	4.30	1729	7.0
820915	DAILY MEAN	4.06	1584	6.6
820916	0100	4.30	1729	6.5
820916	0200	4.33	1749	6.5
820916	0300	4.40	1789	6.5
820916	0400	4.40	1789	6.0
820916	0500	4.40	1789	6.0
820916	0600	4.27	1709	6.0
820916	0700	4.37	1769	6.0
820916	0800	4.37	1769	6.0
820916	0900	4.30	1729	6.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820916	1000	4.33	1749	6.0
820916	1100	4.33	1749	5.5
820916	1200	4.23	1689	6.0
820916	1300	4.23	1689	5.5
820916	1400	4.23	1689	6.0
820916	1500	4.17	1649	6.0
820916	1600	4.07	1589	6.0
820916	1700	4.13	1629	6.0
820916	1810	4.07	1589	6.0
820916	1910	4.03	1570	6.0
820916	2010	3.97	1530	5.5
820916	2110	3.97	1530	5.5
820916	2210	3.93	1511	5.5
820916	2310	3.93	1511	5.5
820916	DAILY MEAN	4.21	1673	5.9
820917	0010	3.87	1472	5.5
820917	0110	3.90	1491	5.0
820917	0210	3.87	1472	5.0
820917	0310	3.83	1452	5.0
820917	0410	3.83	1452	5.0
820917	0510	3.83	1452	5.0
820917	0610	3.80	1433	4.5
820917	0710	3.80	1433	4.5
820917	0810	3.80	1433	4.5
820917	0910	3.77	1413	4.5
820917	1010	3.73	1394	4.5
820917	1110	3.77	1413	4.5
820917	1210	3.73	1394	5.0
820917	1310	3.73	1394	5.0
820917	1410	3.67	1355	5.5
820917	1510	3.70	1375	5.5
820917	1610	3.67	1355	5.5
820917	1710	3.67	1355	6.0
820917	1810	3.60	1317	6.0
820917	1910	3.60	1317	6.0
820917	2010	3.60	1317	5.5
820917	2110	3.63	1336	5.5
820917	2210	3.53	1279	5.5
820917	2310	3.57	1298	5.5

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820917	DAILY MEAN	3.73	1391	5.2
820918	0010	3.60	1317	5.0
820918	0110	3.53	1279	5.0
820918	0210	3.53	1279	5.0
820918	0310	3.50	1260	5.0
820918	0410	3.47	1241	4.5
820918	0510	3.47	1241	4.5
820918	0610	3.43	1222	4.5
820918	0710	3.43	1222	4.5
820918	0810	3.43	1222	4.5
820918	0910	3.43	1222	5.0
820918	1010	3.40	1203	5.0
820918	1110	3.40	1203	5.0
820918	1210	3.37	1184	5.5
820918	1310	3.40	1203	6.0
820918	1410	3.33	1166	6.0
820918	1510	3.37	1184	6.0
820918	1610	3.33	1166	6.0
820918	1710	3.33	1166	6.0
820918	1810	3.33	1166	6.5
820918	1910	3.33	1166	6.0
820918	2010	3.37	1184	6.0
820918	2110	3.33	1166	6.0
820918	2210	3.37	1184	6.0
820918	2310	3.40	1203	6.0
820918	DAILY MEAN	3.41	1210	5.4
820919	0010	3.40	1203	6.0
820919	0110	3.40	1203	6.0
820919	0210	3.40	1203	6.0
820919	0310	3.40	1203	5.5
820919	0410	3.43	1222	5.5
820919	0510	3.47	1241	6.0
820919	0610	3.47	1241	5.5
820919	0710	3.40	1203	5.5
820919	0810	3.43	1222	5.5
820919	0910	3.50	1260	5.5
820919	1010	3.50	1260	6.0
820919	1110	3.50	1260	5.5
820919	1210	3.63	1336	6.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820919	1310	3.70	1375	6.0
820919	1410	3.63	1336	6.0
820919	1510	3.73	1394	6.0
820919	1610	3.73	1394	6.0
820919	1710	3.73	1394	6.0
820919	1810	3.67	1355	6.0
820919	1910	3.73	1394	6.0
820919	2010	3.77	1413	6.0
820919	2110	3.77	1413	6.0
820919	2210	3.77	1413	6.0
820919	2310	3.87	1472	5.5
820919	DAILY MEAN	3.58	1308	5.8
820920	0010	3.90	1491	5.5
820920	0110	3.83	1452	5.5
820920	0210	3.83	1452	5.5
820920	0310	3.80	1433	5.5
820920	0410	3.80	1433	5.5
820920	0510	3.77	1413	5.5
820920	0610	3.77	1413	5.0
820920	0710	3.73	1394	5.0
820920	0810	3.77	1413	5.0
820920	0910	3.73	1394	5.0
820920	1010	3.73	1394	5.5
820920	1110	3.73	1394	5.5
820920	1210	3.70	1375	5.5
820920	1310	3.63	1336	5.5
820920	1410	3.67	1355	6.0
820920	1510	3.63	1336	6.0
820920	1610	3.67	1355	6.0
820920	1710	3.60	1317	6.0
820920	1810	3.63	1336	6.0
820920	1910	3.60	1317	5.5
820920	2010	3.57	1298	6.0
820920	2110	3.57	1298	5.5
820920	2210	3.60	1317	5.5
820920	2310	3.53	1279	5.5
820920	DAILY MEAN	3.70	1375	5.5
820921	0010	3.53	1279	5.5

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820921	0110	3.57	1298	5.5
820921	0210	3.53	1279	5.0
820921	0310	3.57	1298	5.0
820921	0410	3.50	1260	5.0
820921	0510	3.47	1241	5.0
820921	0610	3.50	1260	5.0
820921	0710	3.50	1260	5.0
820921	0810	3.53	1279	5.0
820921	0910	3.47	1241	5.0
820921	1010	3.47	1241	5.0
820921	1110	3.43	1222	5.5
820921	1210	3.43	1222	5.5
820921	1310	3.40	1203	5.5
820921	1410	3.37	1184	6.0
820921	1510	3.40	1203	6.0
820921	1610	3.40	1203	6.0
820921	1710	3.43	1222	6.0
820921	1810	3.37	1184	6.0
820921	1910	3.40	1203	6.0
820921	2010	3.37	1184	6.0
820921	2110	3.37	1184	6.0
820921	2210	3.37	1184	5.5
820921	2310	3.33	1166	5.5
820921	DAILY MEAN	3.45	1229	5.5
820922	0010	3.37	1184	5.5
820922	0110	3.33	1166	5.5
820922	0210	3.33	1166	5.5
820922	0310	3.33	1166	5.0
820922	0410	3.30	1147	5.0
820922	0510	3.30	1147	5.0
820922	0610	3.27	1128	5.0
820922	0710	3.30	1147	5.0
820922	0810	3.23	1110	5.0
820922	0910	3.27	1128	5.0
820922	1010	3.23	1110	5.0
820922	1110	3.23	1110	5.0
820922	1210	3.23	1110	5.5
820922	1310	3.23	1110	5.5
820922	1410	3.20	1091	5.5
820922	1510	3.23	1110	6.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820922	1610	3.17	1073	6.0
820922	1710	3.20	1091	6.0
820922	1810	3.17	1073	6.0
820922	1910	3.20	1091	5.5
820922	2010	3.17	1073	5.5
820922	2110	3.17	1073	5.0
820922	2210	3.20	1091	5.0
820922	2310	3.13	1054	5.0
820922	DAILY MEAN	3.24	1114	5.3
820923	0010	3.13	1054	4.5
820923	0110	3.13	1054	4.5
820923	0210	3.10	1036	4.0
820923	0310	3.07	1018	4.0
820923	0410	3.10	1036	3.5
820923	0510	3.07	1018	3.5
820923	0610	3.03	999	3.5
820923	0710	3.03	999	3.5
820923	0810	3.03	999	3.0
820923	0910	3.03	999	3.0
820923	1010	3.03	999	3.0
820923	1110	3.00	981	3.0
820923	1210	3.00	981	3.5
820923	1310	3.00	981	4.0
820923	1410	2.97	963	5.0
820923	1510	2.97	963	5.0
820923	1610	2.97	963	5.0
820923	1710	2.97	963	5.0
820923	1810	2.97	963	5.0
820923	1910	2.97	963	5.0
820923	2010	2.93	945	4.5
820923	2110	2.93	945	4.5
820923	2210	2.93	945	4.0
820923	2310	2.93	945	4.0
820923	DAILY MEAN	3.01	988	4.1
820924	0010	2.93	945	3.5
820924	0110	2.90	927	3.5
820924	0210	2.90	927	3.0
820924	0310	2.90	927	3.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820924	0410	2.87	909	3.0
820924	0510	2.90	927	3.0
820924	0610	2.87	909	2.5
820924	0710	2.87	909	2.5
820924	0810	2.87	909	2.5
820924	0910	2.87	909	2.5
820924	1010	2.83	891	2.5
820924	1110	2.80	874	3.0
820924	1210	2.80	874	3.0
820924	1310	2.80	874	3.5
820924	1410	2.80	874	4.5
820924	1510	2.80	874	4.5
820924	1610	2.80	874	4.5
820924	1710	2.80	874	4.5
820924	1810	2.80	874	4.5
820924	1910	2.80	874	5.0
820924	2010	2.77	856	5.0
820924	2110	2.77	856	4.5
820924	2210	2.77	856	4.5
820924	2310	2.80	874	4.5
820924	DAILY MEAN	2.83	891	3.6
820925	0010	2.77	856	4.5
820925	0110	2.77	856	4.0
820925	0210	2.77	856	4.0
820925	0310	2.70	821	3.5
820925	0410	2.73	838	3.5
820925	0510	2.73	838	3.5
820925	0610	2.73	838	3.0
820925	0710	2.73	838	3.0
820925	0810	2.73	838	3.0
820925	0910	2.70	821	3.0
820925	1010	2.67	803	3.0
820925	1110	2.70	821	3.5
820925	1210	2.70	821	3.5
820925	1310	2.67	803	4.5
820925	1410	2.67	803	4.5
820925	1510	2.67	803	5.0
820925	1610	2.67	803	5.0
820925	1710	2.67	803	5.0
820925	1810	2.67	803	5.0

Appendix

Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820925	1910	2.63	786	5.0
820925	2010	2.67	803	5.0
820925	2110	2.63	786	5.0
820925	2210	2.63	786	5.0
820925	2310	2.63	786	5.0
820925	DAILY MEAN	2.69	817	4.1
820926	0010	2.63	786	5.0
820926	0110	2.63	786	4.5
820926	0210	2.60	768	4.5
820926	0310	2.63	786	4.5
820926	0410	2.60	768	4.5
820926	0510	2.60	768	4.0
820926	0610	2.60	768	4.0
820926	0710	2.60	768	4.0
820926	0810	2.60	768	4.0
820926	0910	2.60	768	4.0
820926	1010	2.60	768	4.5
820926	1110	2.60	768	4.5
820926	1210	2.60	768	4.5
820926	1310	2.57	751	5.0
820926	1410	2.60	768	5.0
820926	1510	2.57	751	5.0
820926	1610	2.60	768	5.0
820926	1710	2.57	751	5.0
820926	1810	2.60	768	5.0
820926	1910	2.57	751	5.0
820926	2010	2.60	768	5.0
820926	2110	2.57	751	5.0
820926	2210	2.57	751	5.0
820926	2310	2.57	751	5.0
820926	DAILY MEAN	2.59	765	4.6
820927	0010	2.63	786	4.5
820927	0110	2.60	768	4.5
820927	0210	2.60	768	4.5
820927	0310	2.60	768	4.5
820927	0410	2.60	768	4.5
820927	0510	2.60	768	4.5
820927	0610	2.60	768	4.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820927	0710	2.57	751	4.0
820927	0810	2.60	768	4.0
820927	0910	2.60	768	4.5
820927	1010	2.60	768	4.5
820927	1110	2.57	751	4.5
820927	1210	2.57	751	4.5
820927	1310	2.60	768	5.0
820927	1410	2.57	751	5.0
820927	1510	2.57	751	5.5
820927	1610	2.57	751	5.5
820927	1710	2.57	751	5.5
820927	1810	2.53	734	5.5
820927	1910	2.53	734	5.0
820927	2010	2.50	716	5.0
820927	2110	2.53	734	4.5
820927	2210	2.50	716	4.5
820927	2310	2.53	734	4.0
820927	DAILY MEAN	2.57	754	4.7
820928	0010	2.53	734	4.0
820928	0110	2.50	716	3.5
820928	0210	2.50	716	3.5
820928	0310	2.50	716	3.5
820928	0410	2.47	699	3.0
820928	0510	2.47	699	3.0
820928	0610	2.47	699	3.0
820928	0710	2.47	699	2.5
820928	0810	2.47	699	2.5
820928	0910	2.43	682	2.5
820928	1010	2.43	682	2.5
820928	1110	2.47	699	3.0
820928	1210	2.43	682	3.0
820928	1310	2.43	682	3.5
820928	1410	2.43	682	3.5
820928	1510	2.43	682	4.0
820928	1610	2.43	682	4.0
820928	1710	2.43	682	4.0
820928	1810	2.40	665	4.5
820928	1910	2.43	682	4.5
820928	2010	2.40	665	4.5
820928	2110	2.40	665	4.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820928	2210	2.43	682	4.0
820928	2310	2.43	682	4.0
820928	DAILY MEAN	2.45	691	3.5
820929	0010	2.43	682	4.0
820929	0110	2.43	682	4.0
820929	0210	2.43	682	4.0
820929	0310	2.43	682	4.0
820929	0410	2.47	699	4.0
820929	0510	2.43	682	4.0
820929	0610	2.43	682	4.0
820929	0710	2.43	682	3.5
820929	0810	2.43	682	3.5
820929	0910	2.43	682	4.0
820929	1010	2.40	665	4.0
820929	1110	2.40	665	4.0
820929	1210	2.43	682	4.5
820929	1310	2.40	665	4.5
820929	1410	2.40	665	5.0
820929	1510	2.40	665	5.0
820929	1610	2.40	665	5.0
820929	1710	2.37	649	5.0
820929	1810	2.37	649	5.0
820929	1910	2.40	665	5.0
820929	2010	2.37	649	5.0
820929	2110	2.37	649	5.0
820929	2210	2.37	649	5.0
820929	2310	2.40	665	5.0
820929	DAILY MEAN	2.41	670	4.4
820930	0010	2.40	665	5.0
820930	0110	2.40	665	4.5
820930	0210	2.40	665	4.5
820930	0310	2.43	682	4.5
820930	0410	2.43	682	4.5
820930	0510	2.43	682	4.5
820930	0610	2.43	682	4.5
820930	0710	2.43	682	4.0
820930	0810	2.40	665	4.0
820930	0910	2.43	682	4.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
820930	1010	2.40	665	4.0
820930	1110	2.40	665	4.5
820930	1210	2.37	649	4.5
820930	1310	2.40	665	5.0
820930	1410	2.37	649	5.0
820930	1510	2.37	649	5.0
820930	1610	2.37	649	5.0
820930	1710	2.37	649	5.0
820930	1810	2.33	632	5.0
820930	1910	2.37	649	5.0
820930	2010	2.37	649	5.0
820930	2110	2.37	649	5.0
820930	2210	2.33	632	4.5
820930	2310	2.33	632	4.5
820930	DAILY MEAN	2.39	660	4.6
821001	0010	2.33	632	4.5
821001	0110	2.33	632	4.5
821001	0210	2.33	632	4.5
821001	0310	2.33	632	4.0
821001	0410	2.33	632	4.0
821001	0510	2.33	632	4.0
821001	0610	2.30	615	4.0
821001	0710	2.30	615	4.0
821001	0810	2.30	615	3.5
821001	0910	2.30	615	3.5
821001	1010	2.30	615	4.0
821001	1110	2.30	615	4.0
821001	1210	2.30	615	4.0
821001	1310	2.27	598	4.0
821001	1410	2.30	615	4.5
821001	1510	2.27	598	4.5
821001	1610	2.27	598	4.5
821001	1710	2.30	615	4.5
821001	1810	2.27	598	4.5
821001	1910	2.27	598	4.5
821001	2010	2.27	598	4.0
821001	2110	2.27	598	4.0
821001	2210	2.27	598	4.0
821001	2310	2.27	598	4.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821001	DAILY MEAN	2.30	613	4.1
821002	0010	2.27	598	4.0
821002	0110	2.27	598	4.0
821002	0210	2.27	598	3.5
821002	0310	2.27	598	3.5
821002	0410	2.27	598	3.5
821002	0510	2.23	582	3.5
821002	0610	2.23	582	3.5
821002	0710	2.23	582	3.5
821002	0810	2.23	582	3.5
821002	0910	2.23	582	3.5
821002	1010	2.20	565	3.5
821002	1110	2.23	582	4.0
821002	1210	2.23	582	4.5
821002	1310	2.20	565	4.5
821002	1410	2.20	565	4.5
821002	1510	2.20	565	4.5
821002	1610	2.23	582	4.5
821002	1710	2.20	565	4.5
821002	1810	2.20	565	4.5
821002	1910	2.20	565	4.5
821002	2010	2.20	565	4.5
821002	2110	2.20	565	4.5
821002	2210	2.20	565	4.0
821002	2310	2.20	565	4.0
821002	DAILY MEAN	2.22	578	4.0
821003	0010	2.20	565	4.0
821003	0110	2.17	549	3.5
821003	0210	2.17	549	3.5
821003	0310	2.17	549	3.5
821003	0410	2.17	549	3.0
821003	0510	2.17	549	3.0
821003	0610	2.17	549	3.0
821003	0710	2.17	549	3.0
821003	0810	2.17	549	3.0
821003	0910	2.17	549	3.0
821003	1010	2.17	549	3.0
821003	1110	2.17	549	3.5
821003	1210	2.17	549	3.5

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821003	1310	2.13	533	4.0
821003	1410	2.13	533	4.0
821003	1510	2.17	549	4.5
821003	1610	2.17	549	4.0
821003	1710	2.13	533	4.0
821003	1810	2.13	533	4.0
821003	1910	2.13	533	4.0
821003	2010	2.13	533	4.0
821003	2110	2.17	549	4.0
821003	2210	2.13	533	4.0
821003	2310	2.13	533	3.5
821003	DAILY MEAN	2.16	544	3.6
821004	0010	2.13	533	3.5
821004	0110	2.13	533	3.0
821004	0210	2.13	533	3.0
821004	0310	2.13	533	3.0
821004	0410	2.10	516	2.5
821004	0510	2.13	533	2.5
821004	0610	2.10	516	2.5
821004	0710	2.10	516	2.0
821004	0810	2.10	516	2.0
821004	0910	2.10	516	2.0
821004	1010	2.10	516	2.0
821004	1110	2.10	516	1.5
821004	1210	2.07	500	2.0
821004	1310	2.07	500	2.5
821004	1410	2.07	500	3.0
821004	1510	2.07	500	3.5
821004	1610	2.07	500	3.0
821004	1710	2.07	500	3.0
821004	1810	2.07	500	3.0
821004	1910	2.07	500	3.0
821004	2010	2.07	500	2.5
821004	2110	2.07	500	2.5
821004	2210	2.07	500	2.5
821004	2310	2.07	500	2.5
821004	DAILY MEAN	2.09	512	2.6
821005	0010	2.07	500	2.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821005	0110	2.07	500	2.0
821005	0210	2.07	500	2.0
821005	0310	2.07	500	2.0
821005	0410	2.07	500	2.0
821005	0510	2.07	500	2.0
821005	0610	2.03	484	2.0
821005	0710	2.03	484	2.0
821005	0810	2.03	484	1.5
821005	0910	2.03	484	1.5
821005	1010	2.03	484	1.5
821005	1110	2.03	484	1.5
821005	1210	2.03	484	1.5
821005	1310	2.03	484	2.0
821005	1410	2.03	484	2.5
821005	1510	2.00	468	2.5
821005	1610	2.03	484	2.5
821005	1710	2.00	468	2.5
821005	1810	2.00	468	2.0
821005	1910	2.00	468	2.0
821005	2010	2.00	468	2.0
821005	2110	2.00	468	2.0
821005	2210	2.03	484	2.0
821005	2310	2.03	484	1.5
821005	DAILY MEAN	2.03	484	2.0
821006	0010	2.03	484	1.5
821006	0110	2.00	468	1.5
821006	0210	2.00	468	1.0
821006	0310	1.97	453	1.0
821006	0410	1.97	453	1.0
821006	0510	1.97	453	.5
821006	0610	1.97	453	.5
821006	0710	1.93	437	.5
821006	0810	1.93	437	.5
821006	0910	1.93	437	.5
821006	1010	1.93	437	.5
821006	1110	1.93	437	1.0
821006	1210	1.93	437	1.5
821006	1310	1.93	437	1.5
821006	1410	1.93	437	2.0
821006	1510	1.93	437	2.5

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821006	1610	1.93	437	2.5
821006	1710	1.97	453	2.5
821006	1810	1.97	453	2.5
821006	1910	1.97	453	2.5
821006	2010	1.97	453	2.0
821006	2110	2.00	468	2.0
821006	2210	1.97	453	2.0
821006	2310	1.97	453	2.0
821006	DAILY MEAN	1.96	449	1.5
821007	0010	1.97	453	1.5
821007	0110	2.00	468	1.5
821007	0210	1.97	453	1.5
821007	0310	1.97	453	1.5
821007	0410	1.93	437	1.5
821007	0510	1.97	453	1.5
821007	0610	1.93	437	1.5
821007	0710	1.93	437	1.5
821007	0810	1.93	437	1.5
821007	0910	1.93	437	1.5
821007	1010	1.93	437	1.5
821007	1110	1.93	437	1.5
821007	1210	1.93	437	1.5
821007	1310	1.93	437	1.5
821007	1410	1.93	437	1.5
821007	1510	1.93	437	2.0
821007	1610	1.93	437	2.0
821007	1710	1.93	437	2.0
821007	1810	1.93	437	2.0
821007	1910	1.93	437	2.0
821007	2010	1.93	437	2.0
821007	2110	1.93	437	2.0
821007	2210	1.93	437	1.5
821007	2310	1.93	437	1.5
821007	DAILY MEAN	1.94	441	1.6
821008	0010	1.93	437	1.5
821008	0110	1.93	437	1.5
821008	0210	1.93	437	1.5
821008	0310	1.93	437	1.5

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821008	0410	1.93	437	1.0
821008	0510	1.93	437	1.0
821008	0610	1.93	437	1.0
821008	0710	1.90	421	1.0
821008	0810	1.93	437	1.0
821008	0910	1.93	437	1.0
821008	1010	1.93	437	1.0
821008	1110	1.90	421	1.5
821008	1210	1.90	421	1.5
821008	1310	1.90	421	2.0
821008	1410	1.90	421	2.0
821008	1510	1.90	421	2.0
821008	1610	1.90	421	2.0
821008	1710	1.90	421	2.0
821008	1810	1.90	421	2.0
821008	1910	1.90	421	2.0
821008	2010	1.90	421	2.0
821008	2110	1.90	421	2.0
821008	2210	1.90	421	1.5
821008	2310	1.90	421	1.5
821008	DAILY MEAN	1.91	428	1.5
821009	0010	1.90	421	1.0
821009	0110	1.90	421	1.0
821009	0210	1.90	421	1.0
821009	0310	1.90	421	1.0
821009	0410	1.90	421	1.0
821009	0510	1.90	421	1.0
821009	0610	1.90	421	1.0
821009	0710	1.90	421	.5
821009	0810	1.90	421	1.0
821009	0910	1.90	421	1.0
821009	1010	1.90	421	1.0
821009	1110	1.87	406	1.5
821009	1210	1.90	421	1.5
821009	1310	1.87	406	1.5
821009	1410	1.87	406	2.0
821009	1510	1.87	406	2.0
821009	1610	1.87	406	2.0
821009	1710	1.87	406	2.0
821009	1810	1.87	406	2.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821009	1910	1.87	406	2.0
821009	2010	1.87	406	2.0
821009	2110	1.87	406	2.0
821009	2210	1.87	406	2.0
821009	2310	1.87	406	2.0
821009	DAILY MEAN	1.88	413	1.5
821010	0010	1.87	406	2.0
821010	0110	1.87	406	2.0
821010	0210	1.87	406	2.0
821010	0310	1.87	406	2.0
821010	0410	1.87	406	1.5
821010	0510	1.87	406	1.5
821010	0610	1.83	390	1.5
821010	0710	1.83	390	1.5
821010	0810	1.83	390	1.5
821010	0910	1.83	390	1.5
821010	1010	1.83	390	1.5
821010	1110	1.83	390	1.5
821010	1210	1.83	390	2.0
821010	1310	1.83	390	2.0
821010	1410	1.83	390	2.0
821010	1510	1.83	390	2.0
821010	1610	1.83	390	2.0
821010	1710	1.83	390	2.0
821010	1810	1.83	390	2.0
821010	1910	1.83	390	2.0
821010	2010	1.83	390	1.5
821010	2110	1.83	390	1.5
821010	2210	1.83	390	1.5
821010	2310	1.83	390	1.5
821010	DAILY MEAN	1.84	394	1.7
821011	0010	1.83	390	1.5
821011	0110	1.80	375	1.5
821011	0210	1.83	390	1.0
821011	0310	1.80	375	1.0
821011	0410	1.80	375	1.0
821011	0510	1.80	375	1.0
821011	0610	1.80	375	1.0

Appendix Table 4-A5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821011	0710	1.80	375	1.0
821011	0810	1.80	375	1.0
821011	0910	1.80	375	1.0
821011	1010	1.80	375	1.0
821011	1110	1.80	375	1.0
821011	1210	1.80	375	1.0
821011	1310	1.80	375	1.5
821011	1410	1.80	375	1.5
821011	1510	1.80	375	1.5
821011	1610	1.80	375	1.5
821011	1710	1.80	375	1.5
821011	1810	1.80	375	1.5
821011	1910	1.80	375	1.5
821011	2010	1.80	375	1.0
821011	2110	1.80	375	1.5
821011	2210	1.80	375	1.5
821011	2310	1.80	375	1.5
821011	DAILY MEAN	1.80	376	1.2
821012	0010	1.80	375	1.5
821012	0110	1.80	375	1.5
821012	0210	1.80	375	1.5
821012	0310	1.80	375	1.5
821012	0410	1.80	375	1.5
821012	0510	1.77	360	1.5
821012	0610	1.80	375	1.5
821012	0710	1.80	375	1.5
821012	0810	1.80	375	1.0
821012	0910	1.80	375	1.5
821012	1010	1.80	375	1.5
821012	1110	1.80	375	1.5
821012	1210	1.80	375	1.5
821012	1310	1.80	375	1.5
821012	1410	1.77	360	2.0
821012	1510	1.80	375	2.0
821012	1610	1.77	360	2.0
821012	1710	1.77	360	2.0
821012	1810	1.80	375	2.0
821012	1910	1.77	360	2.0
821012	2010	1.77	360	2.0
821012	2110	1.80	375	2.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821012	2210	1.80	375	2.0
821012	2310	1.80	375	2.0
821012	DAILY MEAN	1.79	371	1.7
821013	0010	1.80	375	2.0
821013	0110	1.80	375	2.0
821013	0210	1.80	375	1.5
821013	0310	1.80	375	1.5
821013	0410	1.80	375	1.5
821013	0510	1.80	375	1.5
821013	0610	1.80	375	1.5
821013	0710	1.77	360	1.5
821013	0810	1.77	360	1.5
821013	0910	1.77	360	1.5
821013	1010	1.77	360	1.5
821013	1110	1.77	360	1.5
821013	1210	1.77	360	1.5
821013	1310	1.77	360	1.5
821013	1410	1.77	360	1.5
821013	1510	1.73	345	1.5
821013	1610	1.73	345	1.5
821013	1710	1.73	345	1.5
821013	1810	1.73	345	1.5
821013	1910	1.73	345	1.5
821013	2010	1.73	345	1.5
821013	2110	1.77	360	1.5
821013	2210	1.77	360	1.0
821013	2310	1.73	345	1.0
821013	DAILY MEAN	1.77	360	1.5
821014	0010	1.73	345	1.0
821014	0110	1.77	360	1.0
821014	0210	1.73	345	1.0
821014	0310	1.73	345	1.0
821014	0410	1.73	345	1.0
821014	0510	1.73	345	1.0
821014	0610	1.73	345	1.0
821014	0710	1.73	345	.5
821014	0810	1.73	345	.5
821014	0910	1.73	345	.5

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821014	1010	1.73	345	.5
821014	1110	1.73	345	1.0
821014	1210	1.73	345	1.0
821014	1310	1.73	345	1.0
821014	1410	1.73	345	1.5
821014	1510	1.70	330	1.5
821014	1610	1.70	330	1.5
821014	1710	1.70	330	1.5
821014	1810	1.70	330	1.5
821014	1910	1.70	330	1.0
821014	2010	1.70	330	1.0
821014	2110	1.70	330	1.0
821014	2210	1.70	330	.5
821014	2310	1.70	330	0.0
821014	DAILY MEAN	1.72	340	1.0
821015	0010	1.67	315	0.0
821015	0110	1.67	315	0.0
821015	0210	1.67	315	0.0
821015	0310	1.67	315	0.0
821015	0410	1.63	300	0.0
821015	0510	1.63	300	0.0
821015	0610	1.60	286	0.0
821015	0710	1.60	286	0.0
821015	0810	1.57	271	0.0
821015	0910	1.57	271	0.0
821015	1010	1.53	257	0.0
821015	1110	1.53	257	0.0
821015	1210	1.53	257	0.0
821015	1310	1.53	257	0.0
821015	1410	1.53	257	0.0
821015	1510	1.57	271	0.0
821015	1610	1.57	271	0.0
821015	1710	1.60	286	0.0
821015	1810	1.63	300	0.0
821015	1910	1.67	315	0.0
821015	2010	1.67	315	0.0
821015	2110	1.67	315	0.0
821015	2210	1.67	315	0.0
821015	2310	1.67	315	0.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821015	DAILY MEAN	1.61	290	0.0
821016	0010	1.67	315	0.0
821016	0110	1.63	300	0.0
821016	0210	1.63	300	0.0
821016	0310	1.60	286	0.0
821016	0410	1.60	286	0.0
821016	0510	1.63	300	0.0
821016	0610	1.63	300	0.0
821016	0710	1.63	300	0.0
821016	0810	1.67	315	0.0
821016	0910	1.67	315	0.0
821016	1010	1.67	315	0.0
821016	1110	1.70	330	0.0
821016	1210	1.70	330	0.0
821016	1310	1.73	345	0.0
821016	1410	1.73	345	0.0
821016	1510	1.73	345	0.0
821016	1610	1.73	345	0.0
821016	1710	1.73	345	0.0
821016	1810	1.73	345	0.0
821016	1910	1.73	345	0.0
821016	2010	1.73	345	0.0
821016	2110	1.77	360	0.0
821016	2210	1.73	345	0.0
821016	2310	1.73	345	0.0
821016	DAILY MEAN	1.69	325	0.0
821017	0010	1.73	345	0.0
821017	0110	1.73	345	0.0
821017	0210	1.73	345	0.0
821017	0310	1.73	345	0.0
821017	0410	1.70	330	0.0
821017	0510	1.70	330	0.0
821017	0610	1.70	330	0.0
821017	0710	1.70	330	0.0
821017	0810	1.70	330	0.0
821017	0910	1.70	330	0.0
821017	1010	1.67	315	0.0
821017	1110	1.70	330	.5
821017	1210	1.70	330	.5

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821017	1310	1.67	315	.5
821017	1410	1.67	315	.5
821017	1510	1.67	315	.5
821017	1610	1.67	315	.5
821017	1710	1.67	315	.5
821017	1810	1.67	315	.5
821017	1910	1.67	315	.5
821017	2010	1.67	315	.5
821017	2110	1.67	315	0.0
821017	2210	1.67	315	0.0
821017	2310	1.63	300	0.0
821017	DAILY MEAN	1.69	324	.2
821018	0010	1.63	300	0.0
821018	0110	1.63	300	0.0
821018	0210	1.63	300	0.0
821018	0310	1.63	300	0.0
821018	0410	1.63	300	0.0
821018	0510	1.60	286	0.0
821018	0610	1.60	286	0.0
821018	0710	1.57	271	0.0
821018	0810	1.60	286	0.0
821018	0910	1.57	271	0.0
821018	1010	1.57	271	0.0
821018	1110	1.57	271	0.0
821018	1210	1.60	286	0.0
821018	1310	1.60	286	0.0
821018	1410	1.63	300	0.0
821018	1510	1.63	300	0.0
821018	1610	1.63	300	0.0
821018	1710	1.63	300	0.0
821018	1810	1.63	300	0.0
821018	1910	1.63	300	0.0
821018	2010	1.63	300	0.0
821018	2110	1.63	300	0.0
821018	2210	1.63	300	0.0
821018	2310	1.63	300	0.0
821018	DAILY MEAN	1.62	292	0.0
821019	0010	1.63	300	0.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821019	0110	1.63	300	0.0
821019	0210	1.60	286	0.0
821019	0310	1.60	286	0.0
821019	0410	1.60	286	0.0
821019	0510	1.60	286	0.0
821019	0610	1.60	286	0.0
821019	0710	1.60	286	0.0
821019	0810	1.60	286	0.0
821019	0910	1.60	286	0.0
821019	1010	1.60	286	0.0
821019	1110	1.63	300	0.0
821019	1210	1.63	300	0.0
821019	1310	1.63	300	0.0
821019	1410	1.63	300	0.0
821019	1510	1.63	300	0.0
821019	1610	1.60	286	0.0
821019	1710	1.60	286	0.0
821019	1810	1.60	286	0.0
821019	1910	1.60	286	.5
821019	2010	1.60	286	.5
821019	2110	1.60	286	.5
821019	2210	1.60	286	.5
821019	2310	1.60	286	0.0
821019	DAILY MEAN	1.61	290	.1
821020	0010	1.60	286	0.0
821020	0110	1.60	286	0.0
821020	0210	1.57	271	0.0
821020	0310	1.60	286	0.0
821020	0410	1.60	286	0.0
821020	0510	1.57	271	0.0
821020	0610	1.57	271	0.0
821020	0710	1.57	271	0.0
821020	0810	1.53	257	0.0
821020	0910	1.57	271	0.0
821020	1010	1.53	257	0.0
821020	1110	1.53	257	0.0
821020	1210	1.53	257	0.0
821020	1310	1.53	257	0.0
821020	1410	1.53	257	0.0
821020	1510	1.53	257	0.0

Appendix Table 4-A-5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821020	1610	1.53	257	0.0
821020	1710	1.53	257	0.0
821020	1810	1.53	257	0.0
821020	1910	1.53	257	0.0
821020	2010	1.53	257	0.0
821020	2110	1.53	257	0.0
821020	2210	1.53	257	0.0
821020	2310	1.53	257	0.0
821020	DAILY MEAN	1.55	265	0.0
821021	0010	1.50	243	0.0
821021	0110	1.50	243	0.0
821021	0210	1.47	229	0.0
821021	0310	1.47	229	0.0
821021	0410	1.43	215	0.0
821021	0510	1.43	215	0.0
821021	0610	1.43	215	0.0
821021	0710	1.40	201	0.0
821021	0810	1.40	201	0.0
821021	0910	1.40	201	0.0
821021	1010	1.40	201	0.0
821021	1110	1.37	188	0.0
821021	1210	1.37	188	0.0
821021	1310	1.37	188	0.0
821021	1410	1.40	201	0.0
821021	1510	1.40	201	0.0
821021	1610	1.40	201	0.0
821021	1710	1.40	201	0.0
821021	1810	1.43	215	0.0
821021	1910	1.43	215	0.0
821021	2010	1.43	215	0.0
821021	2110	1.43	215	0.0
821021	2210	1.43	215	0.0
821021	2310	1.43	215	0.0
821021	DAILY MEAN	1.42	210	0.0
821022	0010	1.40	201	0.0
821022	0110	1.40	201	0.0
821022	0210	1.40	201	0.0
821022	0310	1.40	201	0.0

Appendix Table 4-A5 Cont.

DATE	TIME	GAGE HEIGHT (ft)	DISCHARGE (cfs)	SURFACE WATER TEMPERATURE (C)
821022	0410	1.40	201	0.0
821022	0510	1.40	201	0.0
821022	0610	1.40	201	0.0
821022	0710	1.40	201	0.0
821022	0810	1.40	201	0.0
821022	0910	1.40	201	0.0
821022	1010	1.40	201	0.0
821022	1110	1.40	201	0.0
821022	1210	1.40	201	0.0
821022	1310	1.40	201	0.0
821022	1410	1.40	201	0.0
821022	1510	1.40	201	0.0
821022	1610	1.43	215	0.0
821022	1710	1.43	215	0.0
821022	1810	1.43	215	0.0
821022	1910	1.47	229	0.0
821022	2010	1.47	229	0.0
821022	2110	1.47	229	0.0
821022	2210	1.47	229	0.0
821022	2310	1.47	229	0.0
821022	DAILY MEAN	1.42	208	0.0

Appendix Table 4-A-6. Comparison of periodic water surface elevations (WSEL), and measured flow at selected sites located downstream of Talkeetna to the corresponding average daily mainstem discharge at Sunshine^a (Parks Highway Bridge).

<u>Location</u>	<u>Date</u>	<u>Time</u>	<u>WSEL (ft)</u>	<u>Measured Streamflow</u>	<u>Susitna River Discharge</u>
Lower Goose 2 Creek Gage Site 073.1T2 (R.M. 73.2; TRM 0.2)	821001	1145	213.05	137.48	31,500
	820929	1610	213.01		33,900
	820913	1540	213.36		36,400
	820830	----	212.85	84.10	39,000
	820811	1435	212.89		47,900
	820624	1350	212.65		62,700
	820713	1630	212.31		63,000
	820610	1400	212.71		64,200
	820625	1410	212.69		66,700
	820915	1120	213.57		68,700
	820915	1125	213.77	251.00	68,700
	820728	1230	213.01		72,000
Lower Goose 2 Slough (mid-slough) Gage Site 073.1S4 (R.M. 073.1)	821001	1310	210.51	1.86	31,500
	820830	1600	-----	10.30	39,000
	820915	1325	212.06	458.0	68,700
Lower Goose 2 Slough (lower portion) Gage Site 073.1S1 (R.M. 73.1)	821001	1005	209.25		31,500
	820929	1315	209.30		33,900
	820913	1410	209.38		36,400
	820825	1220	209.25		38,700
	820830	1420	209.33	101.0	39,000
	820811	1145	209.83		47,900
	820810	1120	209.98		51,600
	820914	1240	210.17		53,300
	820624	1400	210.40		60,800
	820713	1600	210.26		63,000
	820610	1400	210.40		64,200
	820611	1615	210.51		65,000
	820625	1440	210.64		66,700
	820915	1240	210.68		68,700
	820915	1600	211.07		68,700
Mainstem adjacent to Lower Goose 2 Slough Gage Site 073.1M3 (R.M. 073.1)	821001	1539	209.10		31,500
	821001	0945	209.12		31,500
	820930	1220	209.14		33,400
	820929	1630	209.14		33,900
	820913	1350	209.25		36,400
	820830	1030	209.33		39,000

^aUSGS provisional data, 1982.

Appendix Table 4-A-6 (Continued)

<u>Location</u>	<u>Date</u>	<u>Time</u>	<u>WSEL (ft)</u>	<u>Measured Streamflow</u>	<u>Susitna River Discharge</u>
Mainstem adjacent to Lower Goose 2 Slough - Cont'd	820624	1405	209.98		62,700
Gage Site 073.1M3	820713	1630	209.88		63,000
(R.M. 073.1M3)	820610	1400	209.89		64,200
	820611	1620	209.96		65,000
	820625	1630	210.23		66,700
	820715	0930	210.70		68,700
	820915	1605	211.45		68,700
Whitefish Slough Tributary (R.M. 078.7)	820916	1045	-----	31.0	91,300
Whitefish Slough (mouth)	821008	1030	233.72		20,400
Gage Site 078.7W1	821002	1000	234.49	6.6	29,700
(R.M. 78.7)	820929	1745	235.75		33,900
	820831	1930	238.55	22.3	48,700
	820815	1310	240.42		47,900
	820914	1815	239.16		53,300
	820914	1310	240.42		53,300
	820713	1800	240.12		63,000
	820916	0930	242.54	24.2	91,300
	820916	1330	242.66		91,300
Rabideux Creek	821002	1423	261.27	129.2	29,700
Gage Site 083.1T2	820913	1320	261.67	209.5	36,400
(R.M. 83.1; TRM 1.7)	820831	1345	261.78	222.9	48,700
	820701	1730	262.92		62,100
	820729	1440	261.55		67,900
Rabideux Creek Mouth	821005	1100	257.18		24,000
Gage Site 083.1W1	821002	1620	257.73	131.1	29,700
(R.M. 83.1; TRM 0.2)	820929	1800	258.19		33,900
	820913	1520	258.51	271.0	36,400
	820814	1120	260.45		42,800
	820812	1303	259.32		44,000
	820831	1345	259.97		48,700
	820914	1120	260.47		53,300
	820701	1600	262.77		62,100
	820729	1540	261.49		67,900
	820915	1530	261.87		68,700

^aUSGS provisional data, 1982.

Appendix Table 4-A-6 (Continued)

<u>Location</u>	<u>Date</u>	<u>Time</u>	<u>WSEL (ft)</u>	<u>Measured Streamflow</u>	<u>Susitna River Discharge</u>
Rabideux Creek Mouth - Cont'd	820728	1700	261.71		72,000
Gage Site 083.1W1	820918	1120	262.27		76,500
(R.M. 83.1; TRM 0.2)	820917	1030	263.55		88,400
Sunshine Creek	821007	1300	266.83		21,400
Gage Site 085.7T2	821004	1115	266.93	68.6	25,800
(R.M. 85.7; TRM 0.7)	820912	1500	266.67		35,000
	820901	1330	267.20	31.8	45,200
	820815	1700	266.78		47,900
	820805	----	266.99	47.2	50,400
	820712	1510	267.05		60,100
	820624	1600	267.61		62,200
	820610	1800	267.56		64,200
	820625	1025	267.88		66,700
	820609	1600	268.28		70,800
	820728	1025	268.70		72,000
	820918	1350	268.91	103.9	76,500
	820727	1400	269.47		82,400
	820916	1815	270.81		91,300
Sunshine Slough	821004	1015	264.55	0.2	25,800
Gage Site 085.7S3	820930	1310	264.58		33,400
(R.M. 85.7)	820912	1355	264.57		35,000
	820824	1347	264.61		38,700
	820901	1353	265.48	85.8	47,200
	820815	1650	265.99		47,900
	820712	1718	267.01		60,100
	820624	1600	267.54		62,200
	820713	0940	267.27		63,000
	820610	1800	267.52		64,200
	820625	1100	267.94		66,700
	820609	1600	268.14		70,800
	820728	1100	268.64		72,000
	820918	1448	268.74	607.0	76,500
	820727	1630	269.30		82,400
	820916	1835	270.80		91,300
Sunshine Creek Mouth	821007	1305	264.19		21,400
Gage Site 085.7T1	821004	1100	264.25		25,800
(R.M. 085.7; TRM 0.0)	820930	1305	264.29		33,400

^aUSGS provisional data, 1982.

Appendix Table 4-A-6 (Continued)

<u>Location</u>	<u>Date</u>	<u>Time</u>	<u>WSEL (ft)</u>	<u>Measured Streamflow</u>	<u>Susitna River Discharge</u>
Sunshine Creek Mouth - Cont'd	820901	1220	265.41		47,200
Gage Site 085.7T1	820815	1705	268.18		47,900
(R.M. 085.7; TRM 0.0)	820805	-----	-----		50,400
	820712	1712	264.40		58,400
	820713	0935	264.64		60,100
	820610	1800	264.81		64,200
	820609	1600	265.46		70,800
	820728	1020	266.00		72,000
	820918	1255	268.71		76,500
	820727	1630	264.12		82,400
	820916	1830	270.70		91,300
Birch Creek	821006	1330	286.08		22,300
Gage Site 088.4T4	821003	1319	286.10	76.4	27,800
(R.M. 089.0; TRM 0.1)	820911	1500	285.89		33,800
	820928	1430	286.12		35,900
	820813	1520	286.00		42,000
	820902	1300	285.99	68.2	43,700
	820805	1607	285.99	62.4	50,400
	820809	1330	285.98		52,500
	820919	1050	286.34	114.1	69,500
	820727	1010	286.47		82,400
Birch Creek Mouth	821006	1220	284.69		22,300
Gage Site 088.4T3	821003	1230	284.80		27,800
(R.M. 089.0; TRM 0.0)	820911	1500	284.52		33,800
	820928	1350	284.82		35,900
	820813	1525	284.68		42,000
	820902	1250	284.71		43,700
	820711	1200	284.56		58,400
	820702	1200	284.63		59,300
	820712	1115	284.59		60,100
	820912	1110	285.43		32,500
	820727	1010	285.93		82,400
	820726	1330	286.61		99,300
Birch Creek Slough (Head)	820813	1620	308.90		42,000
Gage Site 088.4H6	820902	1720	308.17		43,700
(R.M. 088.4)	820919	1400	310.20		69,500

^aUSGS provisional data, 1982.

Appendix Table 4-A-6 (Continued)

<u>Location</u>	<u>Date</u>	<u>Time</u>	<u>WSEL (ft)</u>	<u>Measured Streamflow</u>	<u>Susitna River Discharge</u>
Birch Creek Slough (upstream of Birch Creek and slough confluence) Gage Site 088.4S1 (R.M. 089.1)	821006	1335	284.75		22,300
	821003	1410	284.81		27,800
	820911	1500	284.61		33,800
	820928	1400	284.86		35,900
	820823	1435	284.56		38,000
	820813	1535	284.65		42,000
	820902	1240	284.74	15.7	43,700
	820805	1700	284.83		50,400
	820809	1330	284.84		52,500
	820919	1245	285.48		69,500
	820727	1030	285.94		82,400
	820726	1330	286.61		99,300
Birch Creek Slough (downstream of Birch Creek and slough confluence) Gage Site 088.4S8 (R.M. 089.0)	821006	1115	284.63		22,300
	821003	1455	284.71		27,800
	820928	1345	284.76		35,900
	820919	1208	285.38		69,500
Birch Creek Slough (downstream of Birch Creek and slough confluence) Gage Site 088.4S5 (R.M. 089.0)	821006	1105	284.36		22,300
	821003	1430	284.42	86.5	27,800
	820929	1345	284.50		33,900
	820813	1540	284.33		42,000
	820902	1130	284.42	75.4	43,700
	820805	1515	284.57	89.3	50,400
	820810	1807	284.57		51,600
	820809	1500	284.61		52,500
	820919	1140	285.34	131.8	69,500
Birch Creek Slough Mouth Gage Site 088.4W2 (R.M. 088.4)	821006	1425	279.36		22,300
	821003	1352	279.94		27,800
	820911	1500	280.33		33,800
	820929	1105	280.45		33,900
	820928	1055	280.48		35,000
	820912	1150	280.64		35,900
	820902	1325	281.08		43,700
	820901	1730	281.29		47,200
	820711	1635	281.78		58,400
	820702	----	281.68		59,300
	820915	1435	282.70		68,700

^aUSGS provisional data, 1982.

Appendix Table 4-A-6 (Continued)

<u>Location</u>	<u>Date</u>	<u>Time</u>	<u>WSEL (ft)</u>	<u>Measured Streamflow</u>	<u>Susitna River Discharge</u>
Birch Creek Slough Mouth -	820919	1140	282.44		69,500
Cont'd	820727	1000	283.14		82,400
Gage Site 088.4W2 (R.M. 088.4)					
Mainstem adjacent to Birch	821003	1700	306.67		27,800
Creek Slough Head	820813	1625	309.01		42,000
Gage Site 088.4M7	820902	1720	308.60		43,700
(R.M. 088.4)	820919	1400	310.18		69,500

^aUSGS provisional data, 1982.

Appendix Table 4-A-7 Surface area of aggregate type II hydraulic zones at Designated Fish Habitat (DFH) sites, and mainstem Susitna River discharges^a, June through September, 1982.

DFH Site	Discharge cfs ^a	Date	Zones	Surface Area Type II (Ft ²)
Slough 21 ^b	31,900	7/25	6	72,800
	25,000	6/19	6	16,300
	24,000	7/11	none	--
	17,000	8/09	2	73,600
	13,800	9/27	2	48,200
	12,500	8/20	2	47,300
	12,200	9/06	2	61,200
Slough 20	28,000	6/20	7	20,600
	26,800	7/24	none	--
	23,000	6/04	none	--
	18,100	7/08	none	--
	16,500	8/07	none	--
	14,400	9/04	2	500
	14,000	9/26	none	--
Slough 19	12,500	8/20	2	1,800
	24,900	7/23	2	26,000
	28,000	6/17	2	10,000
	22,000	6/05	2	16,500
	16,800	8/06	2	12,300
	16,600	7/07	2	4,800
	15,000	9/25	none	--
Slough 11	14,400	9/04	none	--
	13,300	8/19	2	4,200
	28,000	6/20	2	128,000
	27,300	7/14	2	92,800
	23,600	7/29	2	124,000
	23,000	6/04	2	95,000
	14,400	8/12	2	25,600
	12,400	9/29	2	19,300
	12,200	9/06	2	25,300
	12,200	8/22	2	23,700

^aUSGS provisional data at Cold Creek, 1982, 15292000.

^bJune 10, 1982, data for Slough 21 incomplete.

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Appendix Table 4-A-7 (Continued).

<u>DFH Site</u>	<u>Discharge cfs</u>	<u>Date</u>	<u>Zones</u>	<u>Surface Area Type II (Ft²)</u>
Slough 9 ^b	29,100	7/27	none	--
	28,400	7/13	none	--
	19,400	9/23	2	118,000
	16,700	8/10	2	133,000
	12,200	8/21	none	--
	11,700	9/07	none	--
Slough 8A	28,000	6/08	6	210,000
	26,500	7/12	2	202,000
	26,000	6/23	2	210,000
	25,600	7/28	2	205,000
	17,100	9/24	2	143,000
	15,400	8/11	2	193,000
	12,200	8/21	2	158,000
	11,700	9/07	2	155,000
Lane Creek	25,000	6/07	6+7	45,000
	25,000	6/19	2	48,200
	22,400	7/22	2	14,400
	18,100	7/08	2	14,700
	16,600	8/08	2	12,700
	15,000	9/25	2	8,000
	14,400	9/10	2	9,400
	12,500	8/20	2	6,100
Slough 6A	28,000	6/20	2	138,000
	24,900	7/23	2	135,000
	23,000	6/06	2	131,000
	21,500	7/09	2	134,000
	16,600	8/08	2	131,000
	14,400	9/10	2	129,000
	14,000	9/26	2	131,000
	12,200	8/21	2	127,000

^aUSGS provisional data at Gold Creek, 1982, 15292000.^bJune 10 and June 22 data for Slough 9 incomplete.

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Appendix Table 4-A-7 (Continued).

DFH Site	Discharge cfs	Date	Zones	Surface Area Type II (Ft ²)
Whisker Creek and Slough	31,900 ^a	7/25	7	56,000 ^b
	28,000	6/21	7	76,000 ^b
	25,000	6/03	2+7	160,000 ^c
	23,000	7/10	7	83,900
	16,600	8/08	2	46,600 ^d
	13,800	9/27	none ^d	--
	13,400	9/09	2	29,200
	12,200	8/22	2	28,500
Birch Creek and Slough	99,300 ^e	7/26	2+6+7	424,000
	61,600	6/23	6+7	354,000
	59,700	6/04	6+7	359,000
	58,400	7/11	6+7	398,000
	52,500	8/09	7	157,000
	38,000	8/23	2	147,000
	35,900	9/28	2	59,500
	33,800	9/11		81,900
Sunshine Creek and Sidechannel	82,400 ^d	7/27	2	242,000
	70,200	6/09	2	121,000
	62,700	6/24	2	134,000
	60,100	7/12	2	178,000 ^f
	51,600	8/10	2+6+7	128,000 ^f
	38,700	8/24	2	46,300
	35,000	9/12	2	12,200
	33,400	9/30	2	25,300

^aUSGS provisional data at Gold Creek 15292000 (with Whisker Creek data).

^bSurface area measurements for June 21 and July 25, 1982, are lower limits.

^cSurface area measurement for June 3, 1982 is an upper limit.

^dHigh tributary discharge this date eliminated zone 2 (see text).

^eUSGS provisional data at Sunshine 15292780.

^fAn area of HII water associated with this measurement was not measured (see text).

4-A-178

Appendix Table 4-A-7 (Continued).

DFH Site	Discharge cfs ^a	Date	Zones	Surface Area Type II (Ft ²)
Rabideux Creek and Slough ^b	71,700	6/26	2+7+8	1,160,000
	67,900	7/29	2+7	1,180,000
	53,000	9/14	2	965,000
	44,000	8/12	2	876,000
	38,700	8/25	2	836,000
	33,400	9/30	2	344,000
Whitefish Slough ^c	72,000	7/28	2	85,800
	66,700	6/25	2	75,000
	60,100	7/12	2	65,800
	53,000	9/14	2	71,000
	47,900	8/11	2	56,200
	38,700	8/25	2	32,200
Goose Creek and Sidechannel	33,900	9/29	2	14,200
	72,000	7/28	6+7	75,000
	66,700	6/25	6+7	83,000
	64,200	6/10	6+7	87,000
	63,000	7/13	6+7	74,400
	47,900	8/11	6+7	113,000
	38,700	8/25	6+7	122,000
	36,400	9/13	none	--
	33,900	9/29	none	--

^aUSGS provisional data at Sunshine, 1982, 15292780.^bNot sampled in early June or in early July.^cNot sampled in early July.

4-A-179

3 3755 000 44280 6

Table 4-B-1. Velocities (ft/sec) and depths (ft) in Chum Channel at three different discharges, 1982.

Flow (cfs)		Transect Number								
		<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>1-8</u>
VELOCITIES										
0.4	$\bar{x}$ Range N	0.27 0.00-0.69 15	0.12 0.00-0.20 18	0.00 0.00-0.00 33	0.00 0.00-0.00 29	0.00 0.00-0.02 14	0.00 0.00-0.02 16	0.06 0.00-0.34 28	0.19 0.00-0.78 27	0.07 0.00-0.78 180
7	$\bar{x}$ Range N	0.43 0.10-0.90 35	0.32 0.00-0.70 45	0.15 0.00-0.30 39	0.17 0.00-0.30 32	0.31 0.00-0.50 17	0.24 0.00-0.40 23	0.29 0.00-0.70 33	0.28 0.00-0.80 51	0.27 0.00-0.90 275
90	$\bar{x}$ Range N	1.72 0.14-2.86 58	1.28 0.00-2.10 73	0.80 0.00-1.30 50	0.91 0.00-1.50 42	1.44 0.10-2.50 34	0.93 0.00-1.80 49	0.84 0.00-1.60 68	1.24 0.01-1.80 65	1.15 0.00-2.86 439
DEPTHS										
0.4	$\bar{x}$ Range N	0.1 0.05-0.1 15	0.2 0.1-0.2 18	0.5 0.05-0.82 33	0.6 0.1-0.92 29	0.3 0.05-0.55 14	0.4 0.2-0.59 16	0.3 0.05-1.6 28	0.2 0.1-0.2 27	0.4 0.05-1.6 180
7	$\bar{x}$ Range N	0.2 0.1-0.5 35	0.2 0.1-0.4 48	0.6 0.1-1.1 39	0.7 0.1-1.1 32	0.5 0.1-0.7 17	0.4 0.1-0.7 23	0.5 0.1-1.9 33	0.1 0.1-0.3 51	0.4 0.1-1.9 278
90	$\bar{x}$ Range N	0.5 0.15-0.86 58	0.4 0.1-0.8 73	0.9 0.1-1.6 50	1.1 0.1-1.6 42	0.7 0.1-1.5 34	0.7 0.05-1.5 49	0.8 0.1-2.8 68	0.6 0.1-0.8 65	0.7 0.05-2.8 439

4-B-1

1982

		Transect Number								
Flow (cfs)		0	1	2	3	4	5	6	7	0-7
VELOCITIES										
0.3	$\bar{x}$	0.00	0.00	0.00	0.00	0.08	0.20	0.01	0.27	0.04
	Range	0.00-0.00	0.00-0.00	0.00-0.00	0.00-0.00	0.00-0.20	0.10-0.30	0.00-0.10	0.20-0.40	0.00-0.40
	N	18	16	7		7	3	7	4	62
281	$\bar{x}$	2.05	0.67	1.26	1.24	1.12	1.19	1.27	1.31	1.28
	Range	0.05-3.64	-0.39-2.45	-0.05-2.85	0.21-1.86	0.00-1.87	0.00-2.15	0.26-2.20	0.44-2.42	-0.39-3.64
	N	39	49	33	20		25	19	27	228.0
DEPTHS										
0.3	$\bar{x}$	0.2	1.8	0.3		0.3	0.3	0.6	0.3	0.7
	Range	0.1-4.3	0.1-2.7	0.1-0.7		0.2-0.3	0.2-0.5	0.6-1.9	0.2-0.3	0.1-4.3
	N	18	16	7		7	3	7	4	62
281	$\bar{x}$	4.7	4.4	3.2	3.2	2.6	2.7	2.7	2.3	3.4
	Range	0.2-8.69	0.25-7.4	0.6-5.6	0.8-4.3	0.2-3.65	0.62-3.2	0.5-4.95	0.65-3.82	0.2-8.69
	N	69	40	33	20	25	25	19	27	228

Appendix Table 4-B-3. Velocities (ft/sec) and depths (ft) in Slough 8A at three different discharges, 1982.

Flow (cfs)	Transect Number											
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>1-11</u>
VELOCITIES												
4	$\bar{x}$ 0.03	0.05	0.14	0.07	0.11	0.19	0.31	0.08	0.07	0.06	0.05	0.11
	Range 0.00-0.10	0.00-0.15	0.00-0.55	0.00-0.10	0.00-0.50	0.00-0.80	0.00-1.50	0.00-0.40	0.00-0.20	0.00-0.15	0.00-0.20	0.00-0.80
	N 41	33	34	20	32	28	33	30	32	35	23	341
7	$\bar{x}$ 0.07	0.11	0.15	0.10	0.07	0.27	0.54	0.23	0.15	0.11	0.11	0.17
	Range 0.00-0.15	0.00-0.32	0.00-0.62	0.00-0.18	0.00-0.21	0.00-0.71	0.00-1.78	0.02-0.55	0.00-0.34	0.00-0.24	0.00-0.45	0.00-1.78
	N 42	33	35	22	32	28	32	32	32	36	24	348
20	$\bar{x}$ 0.16	0.23	0.36	0.21	0.17	0.53	0.74	0.53	0.40	0.29	0.26	0.35
	Range 0.00-0.45	0.00-0.80	0.00-1.20	0.00-0.40	0.00-0.40	0.20-0.90	0.00-2.10	0.00-0.90	0.00-0.70	0.00-0.70	0.00-0.90	0.00-1.20
	N 42	34	37	29	33	30	36	39	35	37	29	381
DEPTHS												
4	$\bar{x}$ 1.1	1.2	0.6	1.2	2.4	0.2	0.2	0.2	0.4	0.5	0.5	0.8
	Range 0.1-1.65	0.05-1.90	0.2-1.0	0.2-1.9	0.2-4.9	0.05-0.5	0.05-0.5	0.05-0.7	0.05-1.05	0.1-1.1	0.5-1.6	0.05-4.9
	N 41	33	34	20	33	28	33	36	32	35	23	348
7	$\bar{x}$ 1.2	1.3	0.7	1.3	2.5	0.4	0.2	0.3	0.5	0.6	0.6	0.9
	Range 0.1-1.9	0.5-2.1	0.05-1.25	0.1-1.9	0.35-4.9	0.1-0.6	0.05-0.6	0.05-0.7	0.05-1.1	0.05-1.15	0.05-1.65	0.05-4.9
	N 42	33	37	22	32	28	34	35	32	36	25	356
20	$\bar{x}$ 1.3	1.4	0.9	1.2	2.6	0.6	0.3	0.4	0.6	0.8	0.7	1.0
	Range 0.2-1.9	0.25-2.2	0.3-1.4	0.1-2.15	0.6-5.3	0.3-0.8	0.1-0.7	0.1-1.1	0.1-1.2	0.1-1.4	0.1-1.9	0.1-5.3
	N 42	35	37	29	33	30	36	39	35	37	29	382

4-B-3

Flow										
Transect Number										
Flow (cfs)										
VELOCITIES										
3	$\bar{x}$ Range N	0.11 0.00-0.30 28	0.15 0.00-0.50 25	0.32 0.00-0.98 26	0.11 0.00-0.22 23	0.06 0.00-0.10 39	0.03 0.00-0.08 28	0.04 0.00-0.10 33	0.05 0.00-0.10 28	0.10 0.00-0.98 230
8	$\bar{x}$ Range N	0.26 0.00-0.59 27	0.30 0.00-0.70 29	0.56 0.00-2.00 40	0.28 0.05-0.42 23	0.15 0.00-0.23 40	0.07 0.00-0.11 28	0.10 0.01-0.19 30	0.07 0.00-0.15 28	0.24 0.00-2.00 245
145	$\bar{x}$ Range N	1.06 0.00-1.63 25	1.14 0.00-1.95 24	1.21 0.00-2.40 36	1.27 0.00-2.35 35	1.14 0.25-1.48 34	1.07 0.00-1.98 18	0.97 0.08-1.58 19	0.78 0.00-1.24 17	1.11 0.00-2.40 208
232	$\bar{x}$ Range N	1.14 0.00-1.88 28	1.43 0.00-2.60 26	1.37 0.02-2.35 40	1.48 0.02-2.15 35	1.15 0.40-1.60 37	1.10 0.00-1.88 21	1.23 0.00-2.15 23	1.24 0.20-2.04 19	1.28 0.00-2.60 229
DEPTHS										
3	$\bar{x}$ Range N	0.6 0.1-0.75 28	0.4 0.1-0.7 25	0.1 0.1-0.3 29	0.4 0.1-1.0 23	0.5 0.1-0.8 39	1.6 0.2-2.5 28	1.3 0.1-3.35 33	1.8 0.1-3.65 28	0.8 0.1-3.65 233
8	$\bar{x}$ Range N	0.6 0.1-0.8 28	0.4 0.1-0.7 29	0.1 0.05-0.25 40	0.6 0.05-1.25 24	0.5 0.05-0.9 43	1.7 0.1-2.7 28	1.4 0.05-2.7 31	2.0 0.1-3.7 28	0.9 0.05-3.7 251
145	$\bar{x}$ Range N	1.2 0.3-1.9 25	1.0 0.05-1.8 24	0.7 0.05-1.3 36	0.7 0.05-1.9 35	0.9 0.05-1.4 34	1.9 0.1-3.0 18	1.7 0.1-3.3 19	2.3 0.1-4.0 17	1.2 0.05-4.0 208
232	$\bar{x}$ Range N	1.4 0.05-2.1 28	1.3 0.1-2.25 26	1.0 0.1-1.8 40	1.0 0.5-2.3 35	1.2 0.35-1.8 37	2.1 0.1-3.6 21	1.9 0.05-4.6 23	2.6 0.2-4.7 19	1.4 0.05-4.7 229

Table 4-B-5. Velocities (ft/sec) and depths (ft) in Slough 21 at three different discharges, 1982.

Flow (cfs)	Transect Number								
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>1-8</u>
VELOCITIES									
5 $\bar{x}$	0.07	0.21	0.12	0.09	0.24	0.38	0.24	0.06	0.14
Range	0.00-0.20	0.00-1.10	0.00-0.20	0.00-0.30	0.00-0.95	0.00-2.05	0.10-0.35	0.00-0.38	0.00-2.05
N	48	37	31	27	20	18	10	55	246
10 $\bar{x}$	0.05	0.11	0.12	0.11	0.24	0.52	0.31	0.20	0.87
Range	0.00-0.15	0.00-0.45	0.00-0.22	0.00-0.23	-0.02-0.61	0.00-2.10	0.00-0.55	0.01-1.50	0.00-2.10
N	32	36	38	32	25	25	13	55	256
157 $\bar{x}$	1.29	1.48	0.89	0.93	1.08	1.36	1.59		1.27
Range	0.05-2.45	0.00-3.00	0.10-1.50	0.00-1.45	0.00-1.90	0.00-2.40	0.55-2.50		0.00-3.00
N	88	55	25	18	21	23	15		245
DEPTHS									
5 $\bar{x}$	0.8	0.4	0.8	1.0	0.4	0.2	0.8	0.8	0.7
Range	0.05-1.6	0.1-0.85	0.15-1.35	0.2-2.35	0.1-0.7	0.05-0.5	0.1-1.35	0.2-1.8	0.05-2.35
N	48	37	31	27	20	20	12	55	250
10 $\bar{x}$	1.4	0.5	1.0	1.1	0.6	0.3	0.9	1.4	1.0
Range	0.2-2.4	0.05-1.1	0.2-1.55	0.15-2.8	0.05-1.1	0.05-0.7	0.1-1.65	0.5-2.8	0.05-2.8
N	32	36	38	32	25	26	13	55	257
157 $\bar{x}$	2.2	1.5	1.9	2.2	1.4	1.1	1.3		1.8
Range	0.15-3.8	0.2-2.7	0.5-2.75	0.1-4.0	0.2-2.3	0.3-1.9	0.3-2.5		0.15-4.0
N	88	55	25	18	21	23	15		245

4-B-5

Table 4-B-6. Hydraulic habitat variables collected
at transects in Slough 8A, Aug 22, 1982.

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
1	.40	0.00	0.00	SILT	
1	.80	0.00	0.00	SILT	
1	.90	.10	.18	SILT	
1	1.00	0.00	0.00	SILT	
1	1.00	0.00	0.00	SILT	
1	1.00	0.00	0.00	SILT	
1	1.05	.05	.12	SILT	
1	1.20	.05	.13	SILT	
1	1.30	.05	.09	SILT	
1	1.45	.03	.28	SILT	
1	1.40	.10	.30	SILT	
1	1.50	.10	.16	SILT	
1	1.60	.05	.16	SILT	
1	1.55	.05	0.00	SILT	
1	1.60	0.00	.17	SILT	
1	1.65	.05	.16	SILT	
1	1.60	.05	.16	SILT	
1	1.60	.05	.32	SILT	
1	1.60	.10	.16	SILT	
1	1.55	.05	.15	SILT	
1	1.50	.05	.15	SILT	
1	1.50	.05	.15	SILT	
1	1.50	.05	.14	SILT	
1	1.40	.05	.13	SILT	
1	1.25	.05	0.00	SILT	
1	1.10	0.00	0.00		
1	1.00	0.00	0.00	SILT	
1	.95	.05	.10	SILT	
1	.95	0.00	0.00	SILT	
1	.95	0.00	0.00	SILT	
1	.85	0.00	0.00	SILT	
1	.90	0.00	0.00	SILT	
1	.80	0.00	0.00	SILT	
1	.85	0.00	0.00	SILT	
1	.80	0.00	0.00	SILT	
1	.60	0.00	0.00	SILT	
1	.65	0.00	0.00	SILT	
1	.50	0.00	0.00	SILT	
1	.45	0.00	0.00	SILT	
1	.30	0.00	0.00	SILT	
1	.10	0.00	0.00	SILT	
1	0.00	0.00	0.00	SILT	
2	.30				
2	.50	.05	.05	COBBLE	SILT

Table 4-B-6. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
2	.50	.10	.10	COBBLE	SILT
2	.50	0.00	0.00	COBBLE	SILT
2	.50	.05	.05	COBBLE	SILT
2	.40	.05	.04	COBBLE	SILT
2	.35	.05	.03	COBBLE	SILT
2	.50	.05	.05	COBBLE	SILT
2	.70	.05	.07	COBBLE	SILT
2	1.25	.10	.25	COBBLE	SILT
2	1.40	.15	.42	COBBLE	SILT
2	1.45	.10	.29	COBBLE	SILT
2	1.60	.15	.48	COBBLE	SILT
2	1.70	.15	.51		
2	1.60	.15	.48		
2	1.65	.15	.50	COBBLE	SILT
2	1.65	.10	.33	COBBLE	SILT
2	1.90	.10	.38	SILT	
2	1.90	0.00	0.00	SILT	
2	1.90	.05	.19	SILT	
2	1.80	.05	.18	SILT	
2	1.65	.05	.17	SILT	
2	1.60	0.00	0.00	SILT	
2	1.45	0.00	0.00	SILT	
2	1.30	0.00	0.00	SILT	
2	1.30	0.00	0.00	SILT	
2	1.20	0.00	0.00	SILT	
2	1.10	0.00	0.00	SILT	
2	1.10	0.00	0.00	SILT	
2	1.00	0.00	0.00	SILT	
2	1.00	0.00	0.00	SILT	
2	.95	0.00	0.00	SILT	
2	.05	0.00	0.00	SILT	
2	0.00	0.00	0.00	SILT	
3	.60				
3	.80	.05	.09	COBBLE	SILT
3	.95	.10	.19	COBBLE	SILT
3	1.00	.10	.20	COBBLE	SILT
3	1.00	.05	.10	COBBLE	SILT
3	1.00	.05	.10	COBBLE	SILT
3	.90	0.00	0.00	COBBLE	SILT
3	.95	0.00	0.00	COBBLE	SILT
3	.90	0.00	0.00	COBBLE	SILT
3	.80	0.00	0.00	COBBLE	SILT
3	.80	0.00	0.00	COBBLE	SILT
3	.85	0.00	0.00	COBBLE	SILT
3	.85	0.00	0.00	COBBLE	SILT

Table 4-B-6. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
3	.70	0.00	0.00	COBBLE	SILT
3	.75	0.00	0.00	COBBLE	SILT
3	.80	0.00	0.00	COBBLE	SILT
3	.70	0.00	0.00	COBBLE	SILT
3	.25	0.00	0.00	COBBLE	SILT
3	0.00	0.00	0.00	COBBLE	SILT
3	0.00	0.00	0.00	COBBLE	SILT
3	.20	0.00	0.00	COBBLE	SILT
3	.20	.15	.05	COBBLE	SILT
3	.35	.25	.13	COBBLE	SILT
3	.45	.35	.24	COBBLE	SILT
3	.60	.45	.54	COBBLE	SILT
3	.55	.40	.44	COBBLE	SILT
3	.45	.45	.41	COBBLE	SILT
3	.50	.55	.44	COBBLE	SILT
3	.50	.45	.37	COBBLE	SILT
3	.35	.40	.22	COBBLE	SILT
3	.30	.40	.19	COBBLE	SILT
3	.35	.20	.13	COBBLE	SILT
3	.40	.20	.15	COBBLE	SILT
3	.20	.10	.04	COBBLE	SILT
4	.20	0.00	0.00	COBBLE	SILT
4	.55	0.00	0.00	COBBLE	SILT
4	.95	0.00	0.00	COBBLE	SILT
4	1.25	.05	.13	COBBLE	SILT
4	1.30	.05	.13	COBBLE	SILT
4	1.50	.05	.15	COBBLE	SILT
4	1.45	.10	.29	COBBLE	SILT
4	1.40	.10	.28	COBBLE	SILT
4	1.40	.10	.28	COBBLE	SILT
4	1.65	.10	.33	COBBLE	SILT
4	1.90	.10	.38	COBBLE	SILT
4	1.75	.10	.35	COBBLE	SILT
4	1.55	.05	1.55	COBBLE	SILT
4	1.30	.10	.26	COBBLE	SILT
4	1.40	.05	.14	COBBLE	SILT
4	1.50	.10	.30	COBBLE	SILT
4	1.30	.10	.26	COBBLE	SILT
4	1.15	.05	.12	COBBLE	SILT
4	.60	0.00	0.00	COBBLE	SILT
4	.40	0.00	0.00	COBBLE	SILT
4	0.00				
5	.25	0.00	0.00	SAND	SILT
5	1.30	0.00	0.00	SAND	SILT
5	2.35	0.00	0.00	SAND	SILT

Table 4-B-6. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
5	3.50	.05	.38	SAND	SILT
5	4.20	.05	.42	SAND	SILT
5	4.40	.08	.66	SAND	SILT
5	4.40	.08	.66	COBBLE	SILT
5	4.70	.05	.47	COBBLE	SILT
5	4.80	.08	.72	COBBLE	SILT
5	4.90	.08	.74	COBBLE	SILT
5	4.60	.08	.69	COBBLE	SILT
5	4.50	.08	.68	COBBLE	SILT
5	4.15	.08	.62	COBBLE	SILT
5	3.70	.08	.56	COBBLE	SILT
5	3.50	.08	.53	COBBLE	SILT
5	3.10	.08	.47	COBBLE	SILT
5	2.25	.05	.23	COBBLE	SILT
5	1.85	.05	.19	COBBLE	SILT
5	1.50	.10	.30	COBBLE	SILT
5	1.50	.15	.45	COBBLE	SILT
5	1.50	.15	.45	COBBLE	SILT
5	1.45	.20	.58	COBBLE	SILT
5	1.25	.10	.25	COBBLE	SILT
5	1.20	.10	.24	COBBLE	SILT
5	.75	.10	.15	COBBLE	SILT
5	.70	.10	.14	COBBLE	SILT
5	.50	.10	.10	COBBLE	SILT
5	.60	.10	.12	COBBLE	SILT
5	.60	.10	.12	COBBLE	SILT
5	.50	.50	.50	COBBLE	SILT
5	.50	.50	.50	COBBLE	SILT
5	.20	0.00	0.00	COBBLE	SILT
6	0.00	0.00	0.00	COBBLE	SILT
6	.10	0.00	0.00	COBBLE	SILT
6	.10	0.00	0.00	COBBLE	SILT
6	.30	.10	.06	COBBLE	SILT
6	.35	.05	.04	COBBLE	SILT
6	.35	.05	.04	COBBLE	SILT
6	.40	.40	.32	RUBBLE	SILT
6	.20	.30	.12	RUBBLE	SILT
6	.20	.10	.04	RUBBLE	SILT
6	.40	.20	.16	RUBBLE	SILT
6	.20	.25	.10	RUBBLE	SILT
6	.30	.35	.11	RUBBLE	SILT
6	.20	.20	.04	RUBBLE	SILT
6	.35	.25	.18	RUBBLE	SILT
6	.40	.25	.20	RUBBLE	SILT
6	.25	.15	.08	RUBBLE	SILT

Table 4-B-6. (Continued).

TRANSECT	DEPTH	VELOCITY	FLOW	SUBSTRATE	
	(ft)	(ft/s)	(cfs)	PRIMARY	SECONDARY
6	.30	.20	.12	RUBBLE	SILT
6	.40	.30	.24	RUBBLE	SILT
6	.40	.80	.64	RUBBLE	SILT
6	.50	.70	.70	RUBBLE	SILT
6	.40	.45	.36	RUBBLE	SILT
6	.05	0.00	0.00	RUBBLE	SILT
6	.05	0.00	0.00	RUBBLE	SILT
6	.15	.05	.02	RUBBLE	SILT
6	.15	.10	.03	RUBBLE	SILT
6	.10	.10	.02	RUBBLE	SILT
6	0.00	0.00	0.00	RUBBLE	SILT
6	.15	0.00	0.00	RUBBLE	SILT
6	0.00				
7	.25	0.00	0.00	COBBLE	RUBBLE
7	.25	0.00	0.00	COBBLE	RUBBLE
7	.40	.15	.12	COBBLE	RUBBLE
7	.50	.15	.15	COBBLE	RUBBLE
7	.30	.25	.15	COBBLE	RUBBLE
7	.10	.15	.03	COBBLE	RUBBLE
7	.10	.40	.07	COBBLE	RUBBLE
7	.05	.50	.04	COBBLE	RUBBLE
7	.15	.60	.15	COBBLE	RUBBLE
7	.05	0.00	0.00	COBBLE	RUBBLE
7	.15	.85	.23	COBBLE	RUBBLE
7	.10	.15	.03	COBBLE	RUBBLE
7	.20	.10	.04	COBBLE	RUBBLE
7	.15	.70	.19	COBBLE	RUBBLE
7	.15	.20	.06	COBBLE	RUBBLE
7	.30	1.50	.77	COBBLE	RUBBLE
7	.30	.90	.54	COBBLE	RUBBLE
7	.30	.70	.42	COBBLE	RUBBLE
7	.30	.60	.36	COBBLE	RUBBLE
7	0.00	0.00	0.00	COBBLE	RUBBLE
7	.15	.90	.27	COBBLE	RUBBLE
7	.20	1.20	.48	COBBLE	RUBBLE
7	0.00	0.00	0.00	COBBLE	RUBBLE
7	0.00	0.00	0.00	COBBLE	RUBBLE
7	.05	0.00	0.00	COBBLE	RUBBLE
7	0.00	0.00	0.00	COBBLE	RUBBLE
7	.20	0.00	0.00	COBBLE	RUBBLE
7	.20	.20	.40	COBBLE	RUBBLE
7	0.00	0.00	0.00	COBBLE	RUBBLE
7	.05	0.00	0.00	COBBLE	RUBBLE
7	0.00	0.00	0.00	COBBLE	RUBBLE
7	.05	0.00	0.00	COBBLE	RUBBLE

Table 4-B-6. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
7	.20	.05	.02	COBBLE	RUBBLE
7	.05	0.00	0.00	COBBLE	RUBBLE
7	.10	0.00	0.00	COBBLE	RUBBLE
7	.05	0.00	0.00	COBBLE	RUBBLE
7		0.00	0.00		
8				COBBLE	RUBBLE
8	.05	0.00	0.00	COBBLE	RUBBLE
8	.20	0.00	0.00	COBBLE	RUBBLE
8	.20	0.00	0.00	COBBLE	RUBBLE
8	.10	0.00	0.00	COBBLE	RUBBLE
8	.05	0.00	0.00	COBBLE	RUBBLE
8	.10	0.00	0.00	COBBLE	RUBBLE
8	.05	0.00	0.00	COBBLE	RUBBLE
8	.10	0.00	0.00	COBBLE	RUBBLE
8	.10	.10	.02	COBBLE	RUBBLE
8	0.00	0.00	0.00	COBBLE	RUBBLE
8	.05	0.00	0.00	COBBLE	RUBBLE
8	0.00	0.00	0.00	COBBLE	RUBBLE
8	.10	.25	.05	COBBLE	RUBBLE
8	0.00	0.00	0.00	COBBLE	RUBBLE
8	0.00	0.00	0.00	COBBLE	RUBBLE
8	0.00	0.00	0.00	COBBLE	RUBBLE
8	.05	0.00	0.00	COBBLE	RUBBLE
8	0.00	0.00	0.00	COBBLE	RUBBLE
8	.10	.05	.01	COBBLE	RUBBLE
8	.05	0.00	0.00	COBBLE	RUBBLE
8	.20	0.00	.04	COBBLE	RUBBLE
8	.40	0.00	.16	COBBLE	RUBBLE
8	.50	0.00	.30	COBBLE	RUBBLE
8	.55	0.00	.33	COBBLE	RUBBLE
8	.65	0.00	.39	COBBLE	RUBBLE
8	.70	.40	.56	COBBLE	RUBBLE
8	.55	.40	.44	COBBLE	RUBBLE
8	.40	.30	.24	COBBLE	RUBBLE
8	.05	0.00	0.00	COBBLE	RUBBLE
8	.30	.15	.09	COBBLE	RUBBLE
8	.30	.30	.18	COBBLE	RUBBLE
8	.20	.20	.08	COBBLE	RUBBLE
8	.05	0.00	0.00	COBBLE	RUBBLE
8	.05	.05	.01	COBBLE	RUBBLE
8	.10	0.00	0.00	COBBLE	RUBBLE
8	.05	0.00	0.00	COBBLE	RUBBLE
9	.10	0.00	0.00	COBBLE	GRAVEL
9	.05	0.00	0.00	COBBLE	GRAVEL
9	.05	0.00	0.00	COBBLE	GRAVEL

Table 4-B-6. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
9	0.00	0.00	0.00	COBBLE	GRAVEL
9	.05	0.00	0.00	COBBLE	RUBBLE
9	.10	0.00	0.00	COBBLE	RUBBLE
9	.25	.10	.05	COBBLE	RUBBLE
9	.30	.10	.06	COBBLE	RUBBLE
9	.30	.10	.06	COBBLE	RUBBLE
9	.30	.10	.06	COBBLE	RUBBLE
9	.35	.05	.04	COBBLE	RUBBLE
9	.45	.10	.09	COBBLE	RUBBLE
9	.10	0.00	0.00	COBBLE	RUBBLE
9	.20	0.00	0.00	COBBLE	RUBBLE
9	.20	.05	.02	COBBLE	RUBBLE
9	.25	.10	.05	COBBLE	RUBBLE
9	.40	.15	.12	COBBLE	RUBBLE
9	.60	.20	.24	COBBLE	RUBBLE
9	.65	.20	.26	COBBLE	RUBBLE
9	1.05	.15	.32	COBBLE	RUBBLE
9	1.00	.20	.40	COBBLE	RUBBLE
9	.95	.15	.29	COBBLE	RUBBLE
9	.90	.15	.27	COBBLE	RUBBLE
9	.55	.15	.17	COBBLE	RUBBLE
9	.40	.15	.12	COBBLE	RUBBLE
9	.25	.10	.05	COBBLE	RUBBLE
9	.10	0.00	0.00	COBBLE	RUBBLE
9	.50	.05	.05	COBBLE	RUBBLE
9	.40	.05	.04	COBBLE	RUBBLE
9	.30	.05	.03	COBBLE	RUBBLE
9	.20	0.00	0.00	COBBLE	RUBBLE
9	.10	0.00	0.00	COBBLE	RUBBLE
9	0.00				
10	.20			COBBLE	RUBBLE
10	.35	0.00	0.00	COBBLE	RUBBLE
10	.20	0.00	0.00	COBBLE	RUBBLE
10	.20	0.00	0.00	COBBLE	RUBBLE
10	.20	0.00	0.00	COBBLE	RUBBLE
10	.35	.05	.04	COBBLE	RUBBLE
10	.40	.05	.04	COBBLE	RUBBLE
10	.40	.05	.04	COBBLE	RUBBLE
10	.55	.10	.11	COBBLE	RUBBLE
10	.80	.10	.16	COBBLE	RUBBLE
10	.50	0.00	0.00	SILT	GRAVEL
10	.45	0.00	0.00	SILT	GRAVEL
10	.30	0.00	0.00	SILT	GRAVEL
10	.40	.05	.04	SILT	GRAVEL
10	.55	.05	.06	SILT	GRAVEL

Table 4-B-6. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
10	.40	.05	.04	SILT	GRAVEL
10	.45	.10	.09	SILT	GRAVEL
10	.50	.05	.05	SILT	GRAVEL
10	.50	.10	.01	SILT	GRAVEL
10	.60	.10	.12	SILT	GRAVEL
10	.70	.15	.21	SILT	GRAVEL
10	.80	.15	.24	SILT	GRAVEL
10	.80	.15	.24	RUBBLE	SILT
10	1.10	.15	.33	RUBBLE	SILT
10	1.10	.15	.33	RUBBLE	SILT
10	1.00	.15	.30	RUBBLE	SILT
10	1.00	.10	.20	RUBBLE	SILT
10	.75	.10	.15	RUBBLE	SILT
10	.85	.10	.17	RUBBLE	SILT
10	.65	.05	.06	RUBBLE	SILT
10	.20	0.00	0.00	RUBBLE	SILT
10	.25	0.00	0.00	RUBBLE	SILT
10	.30	0.00	0.00	RUBBLE	SILT
10	.20	0.00	0.00	RUBBLE	SILT
10	.10	0.00	0.00	RUBBLE	SILT
11	.05	0.00	0.00	COBBLE	
11	.30	0.00	0.00	COBBLE	
11	0.00	0.00	0.00	COBBLE	
11	0.00	0.00	0.00	COBBLE	
11	.35	0.00	0.00	COBBLE	
11	.10	0.00	0.00	COBBLE	
11	0.00	0.00	0.00	COBBLE	
11	0.00	0.00	0.00	COBBLE	SILT
11	0.00	0.00	0.00	COBBLE	SILT
11	.05	0.00	0.00	COBBLE	SILT
11	.20	0.00	0.00	SAND	
11	0.00	0.00	0.00	SAND	
11	.05	0.00	0.00	COBBLE	SILT
11	.05	0.00	0.00	COBBLE	SILT
11	0.00	0.00	0.00	SAND	
11	.10	0.00	0.00	SAND	
11	.30	0.00	0.00	SAND	
11	.50	.05	.05	COBBLE	SAND
11	1.00	.05	.10	COBBLE	SAND
11	1.00	.05	.10	COBBLE	SAND
11	1.05	.10	.21	COBBLE	SAND
11	1.60	.15	.48	COBBLE	SAND
11	1.40	.20	.56	COBBLE	SAND
11	1.35	.20	.54	COBBLE	SAND
11	1.05	.10	.21	COBBLE	SAND

Table 4-B-6. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
11	.90	.10	.18	COBBLE	SAND
11	.60	.05	.06	COBBLE	SAND
11	.10	0.00	0.00	COBBLE	SAND
11	0.00	0.00	0.00	COBBLE	SAND

Table 4-B-7. Hydraulic habitat variables collected
at transects in Slough 8A, Aug 26, 1982.

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
A	0.00			COBBLE	RUBBLE
A	.10	0.00	0.00	COBBLE	RUBBLE
A	.30	0.00	0.00	COBBLE	RUBBLE
A	.70	.05	.14	COBBLE	RUBBLE
A	.95	.05	.19	COBBLE	RUBBLE
A	1.05	.05	.21	COBBLE	RUBBLE
A	1.80	0.00	0.00	COBBLE	RUBBLE
A	2.00	.02	.16	COBBLE	RUBBLE
A	2.00	.02	.16	COBBLE	RUBBLE
A	2.30	.10	.92	COBBLE	RUBBLE
A	2.45	.05	.49	RUBBLE	COBBLE
A	2.45	.05	.49	RUBBLE	COBBLE
A	2.35	.07	.66	RUBBLE	COBBLE
A	2.30	.05	.46	RUBBLE	COBBLE
A	2.20	.10	.88	RUBBLE	COBBLE
A	2.00	.02	.16	RUBBLE	COBBLE
A	1.75	.10	.70	RUBBLE	COBBLE
A	1.55	.07	.43	RUBBLE	COBBLE
A	1.55	.07	.43	RUBBLE	COBBLE
A	1.40	.20	1.12	RUBBLE	COBBLE
A	1.40	0.00	0.00	RUBBLE	
A	1.40	.02	.11	RUBBLE	
A	1.20	.05	.24	RUBBLE	
A	1.20	.05	.24	RUBBLE	
A	1.10	.05	.22	RUBBLE	
A	1.00	0.00	0.00	RUBBLE	
A	1.00	.02	.08	RUBBLE	
A	1.00	0.00	0.00	RUBBLE	
A	.08	.02	.06	RUBBLE	
A	.85	.02	.07	RUBBLE	
A	.70	0.00	0.00	RUBBLE	
A	.70	0.00	0.00	RUBBLE	
A	.60	0.00	0.00	RUBBLE	
A	.70	0.00	0.00	RUBBLE	
A	.70	0.00	0.00	RUBBLE	
A	.85	0.00	0.00	RUBBLE	
A	.90	.02	.07	RUBBLE	
A	.80	0.00	0.00	RUBBLE	
A	.95	0.00	0.00	RUBBLE	
A	1.10	0.00	0.00	GRAVEL	RUBBLE
A	1.20	.02	1.00	GRAVEL	RUBBLE
A	1.50	.02	.12	GRAVEL	RUBBLE
A	1.80	0.00	0.00	GRAVEL	RUBBLE
A	0.00	0.00	0.00	GRAVEL	RUBBLE

Table 4-B-7. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
B		0.00	0.00		
B	.10	.15	.03	COBBLE	RUBBLE
B	.30	0.00	0.00	COBBLE	RUBBLE
B	.20	.75	.30	COBBLE	RUBBLE
B	.40	.05	.04	COBBLE	RUBBLE
B	.30	.50	.30	COBBLE	RUBBLE
B	.20	.15	.06	COBBLE	RUBBLE
B	0.00	0.00	0.00		
B	.15	.60	.18	COBBLE	RUBBLE
B	.05		0.00	BOULDER	RUBBLE
B	.40	.80	.64	RUBBLE	GRAVEL
C	0.00	0.00		SILT	COBBLE
C	.15	0.00	0.00	SILT	COBBLE
C	.50	.05	.05	RUBBLE	COBBLE
C	.70	.10	.14	RUBBLE	GRAVEL
C	.50	.15	.15	RUBBLE	GRAVEL
C	.65	.20	.26	RUBBLE	GRAVEL
C	.75	.20	.30	RUBBLE	GRAVEL
C	.55	.10	.11	RUBBLE	GRAVEL
C	.60	.15	.18	GRAVEL	RUBBLE
C	.55	.10	.11	GRAVEL	RUBBLE
C	.55	.15	.17	GRAVEL	RUBBLE
C	.35	.15	.11	COBBLE	RUBBLE
C	.35	.10	.07	RUBBLE	COBBLE
C	.30	.05	.03	RUBBLE	GRAVEL
C	.20	0.00	0.00	RUBBLE	GRAVEL
C	.10	0.00	0.00	RUBBLE	GRAVEL
C	1.00	0.00			

Table 4-B-8. Hydraulic habitat variables collected
at transects in Slough 8A, Sep 07, 1982.

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
1	.65	.03	.02	SAND	
1	1.00	.09	.18	SAND	
1	1.10	.09	.20	SAND	COBBLE
1	1.10	.05	.11	SAND	
1	1.15	.10	.23	SAND	
1	1.20	.10	.24	SAND	
1	1.20	.10	.24	SAND	
1	1.40	.05	.14	SAND	
1	1.65	.08	.26	SAND	
1	1.65	.08	.26	SAND	
1	1.65	.05	.17	SAND	
1	1.65	.01	.03	SAND	
1	1.70	.08	.27	SAND	
1	1.75	.08	.28	SAND	
1	1.75	.08	.28	SAND	
1	1.80	.08	.29	SAND	
1	1.90	.11	.42	SAND	
1	1.85	.10	.37	SAND	
1	1.75	.12	.42	SAND	
1	1.70	.15	.51	SAND	
1	1.70	.15	.51	SAND	
1	1.65	.15	.50	SAND	
1	1.50	.15	.45	SAND	
1	1.50	.11	.33	SAND	
1	1.35	.11	.30	SAND	
1	1.30	.11	.29	SAND	
1	1.25	.11	.28	SAND	
1	1.15	.10	.23	SAND	
1	1.10	.10	.22	SAND	
1	1.05	.11	.23	SAND	
1	1.00	.05	.10	SAND	
1	1.00	.02	.04	SAND	
1	1.00	.01	.02	SAND	
1	1.00	0.00	0.00	SAND	
1	.90	.01	.02	SAND	
1	.80	.01	.02	SAND	
1	.80	0.00	0.00	SAND	
1	.60	.02	.02	SAND	
1	.50	.03	.03	SAND	
1	.40	0.00	0.00	SAND	
1	.30	.01	.01	SAND	
1	.10	0.00	0.00	SAND	
2	.50	.12	.11	COBBLE	SILT
2	.60	.20	.24	COBBLE	SILT

Table 4-B-8. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
2	.70	.19	.27	SAND	
2	.70	.18	.25	SAND	COBBLE
2	.55	.18	.20	COBBLE	RUBBLE
2	.55	.09	0.00	COBBLE	BOULDER
2	.60	.10	.12	COBBLE	RUBBLE
2	.70	.20	.28	COBBLE	RUBBLE
2	1.10	.22	.48	GRAVEL	BOULDER
2	1.30	.32	.83	COBBLE	GRAVEL
2	1.70	.30	.02	COBBLE	BOULDER
2	1.70	.28	.95	GRAVEL	COBBLE
2	1.80	.22	.79	COBBLE	RUBBLE
2	1.90	.20	.76	SAND	COBBLE
2	1.75	.18	.63	SAND	
2	1.80	.12	.43	SAND	
2	2.00	.10	.40	SAND	
2	2.10	.05	.21	SAND	
2	2.10	.02	.08	SAND	
2	2.10	.01	.04	SAND	
2	2.00	.01	.04	SAND	COBBLE
2	1.90	0.00	0.00	SAND	
2	1.70	.02	.07	SAND	
2	1.60	0.00	0.00	SAND	
2	1.40	0.00	0.00	SAND	
2	1.30	0.00	0.00	SAND	
2	1.30	0.00	0.00	SAND	
2	1.30	.01	.03	SAND	
2	1.25	0.00	0.00	SAND	
2	1.20	0.00	0.00	SAND	
2	1.20	0.00	0.00	SAND	
2	1.10	0.00	0.00	SAND	
2	.60	0.00	0.00	SAND	
2				SAND	
3	.80	.05	.04	BOULDER	SAND
3	1.00	.08	.16	RUBBLE	COBBLE
3	1.10	.09	.20	RUBBLE	COBBLE
3	1.00	.05	.10	BOULDER	SAND
3	1.25	.03	.08	COBBLE	SILT
3	1.15	.05	.12	COBBLE	SILT
3	1.10	.08	.18	SILT	RUBBLE
3	1.10	.08	.18	SILT	COBBLE
3	1.10	.05	.11	SILT	RUBBLE
3	1.00	.02	.04	SILT	RUBBLE
3	.95	.03	.06	SILT	COBBLE
3	1.00	0.00	0.00	SILT	COBBLE
3	.09	0.00	0.00	SILT	COBBLE

Table 4-B-8. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
3	.95	0.00	0.00	SILT	COBBLE
3	.90	.04	.07	SILT	COBBLE
3	.85	.02	.03	SILT	COBBLE
3	.80	.01	.02	SILT	COBBLE
3	.40	0.00	0.00	COBBLE	SILT
3	.10	0.00	0.00	COBBLE	SILT
3	.05		0.00	COBBLE	SILT
3	.05		0.00	COBBLE	SILT
3	.15	0.00	0.00	RUBBLE	SILT
3	.10	0.00	0.00	RUBBLE	COBBLE
3	.10	0.00	0.00	COBBLE	RUBBLE
3	.20	.01	.04	RUBBLE	COBBLE
3	.50	.15	.15	COBBLE	RUBBLE
3	.60	.25	.30	RUBBLE	COBBLE
3	.70	.28	.39	RUBBLE	COBBLE
3	.60	.55	.66	COBBLE	GRAVEL
3	.70	.51	.71	RUBBLE	COBBLE
3	.70	.45	.63	COBBLE	RUBBLE
3	.70	.39	.55	GRAVEL	COBBLE
3	.70	.48	.68	RUBBLE	GRAVEL
3	.60	.62	.74	GRAVEL	COBBLE
3	.55	.32	.35	GRAVEL	COBBLE
3	.45	.11	1.00	COBBLE	RUBBLE
3	.40	.42	.34	RUBBLE	COBBLE
4	.10	0.00	0.00	RUBBLE	COBBLE
4	.30	.01	.01	RUBBLE	COBBLE
4	.55	.01	.01	RUBBLE	BOULDER
4	.75	.05	.01	RUBBLE	COBBLE
4	1.20	.10	.24	COBBLE	RUBBLE
4	1.40	.10	.28	COBBLE	
4	1.50	.08	.24	BOULDER	RUBBLE
4	1.65	.10	.33	COBBLE	RUBBLE
4	1.50	.12	.36	COBBLE	RUBBLE
4	1.60	.11	.35	RUBBLE	COBBLE
4	1.65	.15	.50	RUBBLE	COBBLE
4	1.90	.14	.53	RUBBLE	COBBLE
4	1.90	.15	.57	BOULDER	COBBLE
4	1.90	.12	.46	BOULDER	COBBLE
4	1.80	.15	.54	BOULDER	COBBLE
4	1.60	.15	.48	BOULDER	COBBLE
4	1.60	.17	.54	BOULDER	COBBLE
4	1.55	.18	.56	COBBLE	RUBBLE
4	1.50	.10	.30	RUBBLE	
4	1.20	.10	.24	BOULDER	RUBBLE
4	.85	.10	.17	RUBBLE	

Table 4-B-8. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
4	.60	.05	.06	COBBLE	RUBBLE
5	.60	.05	.03	SAND	
5	1.60	.02	.06	SAND	
5	2.85	.01	.06	SAND	
5	3.75	.03	.23	SAND	
5	4.50	.05	.45	SAND	
5	4.50	.05	.45	SAND	
5	4.50	.06	.54	SAND	
5	4.80	.07	.67	SAND	
5	4.90	.10	.98	SAND	
5	4.90	.06	.59	SAND	BOULDER
5	4.80	.07	.67	SAND	BOULDER
5	4.60	.09	.83	SAND	COBBLE
5	4.30	.05	.43	SAND	COBBLE
5	4.00	.06	.48	COBBLE	SAND
5	3.75	.06	.45	COBBLE	SAND
5	3.00	.04	.24	SAND	COBBLE
5	2.55	.05	.26	SAND	COBBLE
5	2.25	.05	.23	COBBLE	SAND
5	1.50	.15	.45	RUBBLE	SAND
5	1.50	.21	.63	RUBBLE	SAND
5	1.60	.20	.64	RUBBLE	SAND
5	1.60	.21	.67	COBBLE	SAND
5	1.50	.15	.45	COBBLE	SAND
5	1.30	.05	.13	COBBLE	SAND
5	1.00	.05	.10	RUBBLE	SAND
5	.80	.08	.13	COBBLE	SAND
5	.80	.10	.16	COBBLE	RUBBLE
5	.80	.15	.24	COBBLE	RUBBLE
5	.70	.08	.11	COBBLE	
5	.60	.05	.06	COBBLE	
5	.50	0.00	0.00	BOULDER	COBBLE
5	.35	0.00	0.00	BOULDER	RUBBLE
6	.10	0.00	0.00	BOULDER	RUBBLE
6	.25	.08	.04	COBBLE	SILT
6	.25	.11	.06	COBBLE	SILT
6	.50	.12	.12	COBBLE	RUBBLE
6	.40	.09	.07	COBBLE	
6	.45	.21	.19	RUBBLE	COBBLE
6	.40	.21	.16	COBBLE	RUBBLE
6	.50	.20	.19	RUBBLE	COBBLE
6	.50	.28	.27	RUBBLE	COBBLE
6	.40	.32	.25	COBBLE	RUBBLE
6	.35	.30	.20	COBBLE	RUBBLE
6	.40	.24	.19	COBBLE	RUBBLE

Table 4-B-8. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
6	.40	.30	.23	RUBBLE	COBBLE
6	.50	.25	.25	RUBBLE	COBBLE
6	.50	.35	.35	RUBBLE	COBBLE
6	.50	.21	.21	RUBBLE	COBBLE
6	.30	.18	.11	COBBLE	
6	.50	.20	.20	COBBLE	BOULDER
6	.50	.62	.62	COBBLE	BOULDER
6	.60	.71	.85	COBBLE	GRAVEL
6	.40	.58	.46	BOULDER	COBBLE
6	.30	.37	.21	RUBBLE	BOULDER
6	.25	.22	.11	COBBLE	
6	.15	.15	.05	BOULDER	COBBLE
6	.40	.25	.20	COBBLE	RUBBLE
6	.40	.38	.30	COBBLE	RUBBLE
6	.20	.31	.12	COBBLE	
6	.25	.28	.14	RUBBLE	COBBLE
7	.30	0.00	0.00	GRAVEL	RUBBLE
7	.30	.02	.01	RUBBLE	GRAVEL
7	.60	.15	.18	COBBLE	GRAVEL
7	.40	.43	.34	COBBLE	GRAVEL
7	.20	.35	.07	GRAVEL	RUBBLE
7	.20	.72	.25	GRAVEL	RUBBLE
7	.30	.80	.43	GRAVEL	RUBBLE
7	.15	.80	.14	GRAVEL	COBBLE
7	.15	.85	.25	GRAVEL	COBBLE
7	.20	.95	.32	GRAVEL	RUBBLE
7	.20	.41	.15	RUBBLE	GRAVEL
7	.10	.60	.11	RUBBLE	GRAVEL
7	.20	.85	.32	GRAVEL	RUBBLE
7	.25	1.19	.60	COBBLE	GRAVEL
7	.40	.40	.31	GRAVEL	RUBBLE
7	.40	1.25	0.00	COBBLE	GRAVEL
7	.30	.90	.54	GRAVEL	COBBLE
7	.30	1.78	1.07	RUBBLE	GRAVEL
7	.20	.40	.16	GRAVEL	COBBLE
7	.15	.30	.09	GRAVEL	RUBBLE
7	.25	1.70	.85	COBBLE	GRAVEL
7	.05			COBBLE	
7	.10	.30	.06	RUBBLE	GRAVEL
7	.15	.20	.06	GRAVEL	RUBBLE
7	.10			RUBBLE	
7	.20	.15	.03	COBBLE	GRAVEL
7	.10	.20	.04	RUBBLE	COBBLE
7	.10	1.00	.20	COBBLE	GRAVEL
7	.15	.05	.02	GRAVEL	RUBBLE

Table 4-B-8. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
7				RUBBLE	GRAVEL
7	.10	0.00	0.00	RUBBLE	GRAVEL
7	.20	.20	.08	GRAVEL	RUBBLE
7	.10	.10	.02	GRAVEL	RUBBLE
7	.20	.20	.08	GRAVEL	COBBLE
7	.15	.10	.03	RUBBLE	
8	.20	.27	.11	GRAVEL	RUBBLE
8	.30	.25	.06	GRAVEL	RUBBLE
8	.20	.20	.04	RUBBLE	GRAVEL
8	.20	.20	.07	GRAVEL	RUBBLE
8	.20	.15	.06	GRAVEL	RUBBLE
8	.10	.05	.01	RUBBLE	GRAVEL
8	.20	.14	.06	GRAVEL	RUBBLE
8	.15	.10	.03	RUBBLE	GRAVEL
8	.10	.02	0.00	GRAVEL	RUBBLE
8	.05			GRAVEL	RUBBLE
8	.10	.20	.02	RUBBLE	
8	.20	.20	.08	GRAVEL	RUBBLE
8	.15	.25	.04	GRAVEL	RUBBLE
8	.05			GRAVEL	RUBBLE
8	.05			GRAVEL	RUBBLE
8	.10	.15	.03	GRAVEL	RUBBLE
8	.15	.10	.03	GRAVEL	RUBBLE
8	.15	.15	.05	GRAVEL	RUBBLE
8	.15	.05	.02	GRAVEL	RUBBLE
8	.30	.08	.05	RUBBLE	COBBLE
8	.45	.20	.18	GRAVEL	RUBBLE
8	.50	.40	.40	RUBBLE	GRAVEL
8	.50	.49	.49	GRAVEL	
8	.60	.50	.60	RUBBLE	SAND
8	.65	.50	.65	RUBBLE	COBBLE
8	.70	.55	.77	RUBBLE	GRAVEL
8	.50	.50	.50	RUBBLE	GRAVEL
8	.60	.35	.42	GRAVEL	BOULDER
8	.25	.35	.18	RUBBLE	BOULDER
8	.40	.25	.20	RUBBLE	BOULDER
8	.30	.35	.21	RUBBLE	BOULDER
8	.15	.13	.04	GRAVEL	COBBLE
8	.15	.15	.05	GRAVEL	COBBLE
8	.20	.05	.02	GRAVEL	RUBBLE
8	.15	.08	.02	GRAVEL	COBBLE
9	.05	0.00	0.00	GRAVEL	COBBLE
9	.10	0.00	0.00	GRAVEL	
9	.15	0.00	0.00	GRAVEL	RUBBLE
9	.10	0.00	0.00	GRAVEL	RUBBLE

Table 4-B-8. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
9	.10	0.00	0.00	GRAVEL	RUBBLE
9	.10	0.00	0.00	GRAVEL	RUBBLE
9	.30	.10	.06	GRAVEL	RUBBLE
9	.40	.18	.14	GRAVEL	COBBLE
9	.40	.10	.08	GRAVEL	COBBLE
9	.50	.15	.15	RUBBLE	COBBLE
9	.40	.15	.12	COBBLE	GRAVEL
9	.50	.12	.12	COBBLE	GRAVEL
9	.50	.15	.15	COBBLE	GRAVEL
9	.40	.10	.08	GRAVEL	COBBLE
9	.35	.18	.13	COBBLE	RUBBLE
9	.35	.18	.13	RUBBLE	
9	.40	.20	.16	RUBBLE	BOULDER
9	.40	.28	.22	RUBBLE	BOULDER
9	.60	.30	.36	BOULDER	RUBBLE
9	.95	.25	.48	GRAVEL	COBBLE
9	1.10	.30	.66	SAND	RUBBLE
9	1.10	.34	.75	RUBBLE	COBBLE
9	.90	.30	.54	GRAVEL	BOULDER
9	.75	.20	.30	RUBBLE	COBBLE
9	.80	.20	.32	GRAVEL	COBBLE
9	.65	.20	.26	GRAVEL	COBBLE
9	.50	.15	.15	COBBLE	RUBBLE
9	.30	.20	.12	COBBLE	
9	.60	.10	.12	BOULDER	RUBBLE
9	.60	.13	.16	RUBBLE	COBBLE
9	.50	.10	.10	GRAVEL	RUBBLE
9	.40	.15	.12	COBBLE	RUBBLE
9	0.00	0.00	0.00	COBBLE	BOULDER
10	.30	0.00	0.00	SILT	
10	.30	.05	.03	SILT	GRAVEL
10	.40	.02	.02	COBBLE	RUBBLE
10	.30	.01	.01	GRAVEL	RUBBLE
10	.40	0.00	0.00	GRAVEL	RUBBLE
10	.40	.05	.04	GRAVEL	COBBLE
10	.50	.05	.05	GRAVEL	SILT
10	.50	.10	.10	RUBBLE	GRAVEL
10	.65	.08	.10	RUBBLE	GRAVEL
10	.70	.04	.06	RUBBLE	BOULDER
10	.60	.04	.05	GRAVEL	COBBLE
10	.60	.04	.05	GRAVEL	BOULDER
10	.30	0.00	0.00	GRAVEL	BOULDER
10	.30	.01	.01	GRAVEL	SAND
10	.50	.01	.01	SAND	GRAVEL
10	.60	.09	.11	SAND	GRAVEL

Table 4-B-8. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
10	.50	.11	.11	SAND	GRAVEL
10	.60	.12	.14	SAND	RUBBLE
10	.60	.12	.14	SAND	RUBBLE
10	.70	.20	.28	SAND	
10	.80	.22	.35	SAND	
10	.95	.20	.38	SAND	RUBBLE
10	1.00	.20	.40	RUBBLE	COBBLE
10	1.15	.20	.46	COBBLE	SAND
10	1.15	.20	.46	RUBBLE	COBBLE
10	1.45	.22	.51	RUBBLE	COBBLE
10	1.10	.21	.46	RUBBLE	COBBLE
10	.90	.24	.43	RUBBLE	COBBLE
10	1.00	.20	.40	RUBBLE	BOULDER
10	.70	.20	.28	RUBBLE	COBBLE
10	.60	.12	.14	RUBBLE	COBBLE
10	.60	.18	.22	RUBBLE	COBBLE
10	.45	.10	.09	RUBBLE	COBBLE
10	.35	0.00	0.00	RUBBLE	COBBLE
10	.30	.03	.18	RUBBLE	COBBLE
10	.05	0.00	0.00	RUBBLE	COBBLE
11	.05	0.00	0.00	COBBLE	RUBBLE
11	.10	0.00	0.00	COBBLE	
11	.40	0.00	0.00	COBBLE	RUBBLE
11	0.00	0.00	0.00	COBBLE	
11	.45	0.00	0.00	COBBLE	
11	.45	0.00	0.00	GRAVEL	COBBLE
11	.35	0.00	0.00	RUBBLE	COBBLE
11	.15	0.00	0.00	RUBBLE	
11	.20	0.00	0.00	RUBBLE	SILT
11	.20	0.00	0.00	COBBLE	SILT
11	.25	0.00	0.00	SILT	RUBBLE
11	.25	.03	.02	SAND	RUBBLE
11	.10	0.00	0.00	SAND	
11	.20	.01	0.00	SAND	
11	.45	.08	.07	SAND	
11	.80	.10	.16	COBBLE	SAND
11	1.15	.10	.23	RUBBLE	SAND
11	1.30	.20	.52	SAND	COBBLE
11	1.60	.28	.90	RUBBLE	SAND
11	1.65	.34	1.12	COBBLE	BOULDER
11	1.45	.45	1.31	GRAVEL	COBBLE
11	1.40	.30	.84	RUBBLE	COBBLE
11	1.15	.29	.67	COBBLE	RUBBLE
11	1.05	.22	.46	RUBBLE	COBBLE
11	.70	.20	.28	RUBBLE	GRAVEL

Table 4-B-8. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
11	.30	0.00	0.00	GRAVEL	COBBLE
A				COBBLE	RUBBLE
A	.20	0.00	0.00	COBBLE	RUBBLE
A	.50	.02	.02	COBBLE	RUBBLE
A	.20	0.00	0.00	COBBLE	RUBBLE
A	.40	.02	.02	COBBLE	SILT
A	1.60	.05	.16	COBBLE	SILT
A	1.75	.10	.35	RUBBLE	SILT
A	1.80	.10	.36	RUBBLE	SILT
A	2.00	.10	.40	RUBBLE	SILT
A	2.00	.10	.40	RUBBLE	COBBLE
A	1.80	.05	.18	RUBBLE	COBBLE
A	1.80	.10	.36	RUBBLE	SILT
A	1.80	.10	.36	RUBBLE	SILT
A	1.70	.10	.34	RUBBLE	SILT
A	1.50	.05	.15	SILT	RUBBLE
A	1.30	.03	.08	SILT	RUBBLE
A	1.20	.10	.24	RUBBLE	SILT
A	1.20	.10	.24	RUBBLE	SILT
A	1.05	.05	.11	RUBBLE	SILT
A	1.00	.02	.04	SILT	RUBBLE
A	.90	.05	.09	RUBBLE	COBBLE
A	.80	0.00	0.00	RUBBLE	SILT
A	.80	.10	.16	RUBBLE	SILT
A	.60	.10	.12	SILT	GRAVEL
A	.70	0.00	0.00	SILT	GRAVEL
A	.70	0.00	0.00	RUBBLE	SILT
A	.50	0.00	0.00	COBBLE	SILT
A	.50	0.00	0.00	SILT	RUBBLE
A	.40	0.00	0.00	RUBBLE	SILT
A	.30	0.00	0.00	RUBBLE	SILT
A	.30	0.00	0.00	SILT	GRAVEL
A	.40	0.00	0.00	SILT	GRAVEL
A	.40	0.00	0.00	RUBBLE	SILT
A	.40	0.00	0.00	GRAVEL	SILT
A	.50	0.00	0.00	SILT	GRAVEL
A	.50	0.00	0.00	SILT	GRAVEL
A	.50	0.00	0.00	GRAVEL	SILT
A	.60	0.00	0.00	SILT	GRAVEL
A	.75	0.00	0.00	GRAVEL	SILT
A	1.00	0.00	0.00	GRAVEL	SILT
A	1.30	0.00	0.00	SILT	GRAVEL
B	.10	.02	0.00	GRAVEL	COBBLE
B	.30	.40	.24	GRAVEL	COBBLE
B	.30	.80	.47	GRAVEL	COBBLE

Table 4-B-8. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
B	.40	.90	.72	GRAVEL	RUBBLE
B	.30	.40	.24	RUBBLE	COBBLE
B	.30	1.35	.77	COBBLE	RUBBLE
B	.30	1.00	.45	COBBLE	RUBBLE
B	.30	1.05	.61	RUBBLE	COBBLE
B	.35	.60	.38	GRAVEL	RUBBLE
B	.40	1.15	.92	GRAVEL	COBBLE
B	.30	.40	.18	GRAVEL	COBBLE
C	.10	0.00	0.00	SAND	COBBLE
C	.40	.15	.12	GRAVEL	SAND
C	.50	.20	.20	GRAVEL	
C	.50	.20	.20	GRAVEL	RUBBLE
C	.65	.25	.33	GRAVEL	RUBBLE
C	.80	.22	.35	GRAVEL	RUBBLE
C	.55	.20	.22	RUBBLE	GRAVEL
C	.60	.18	.22	RUBBLE	GRAVEL
C	.70	.19	.27	GRAVEL	RUBBLE
C	.70	.18	.25	GRAVEL	COBBLE
C	.45	.16	.14	COBBLE	SAND
C	.50	.10	.10	GRAVEL	SAND
C	.40	.10	.08	RUBBLE	COBBLE
C	.35	.10	.07	GRAVEL	RUBBLE
C	.35	0.00	0.00	GRAVEL	COBBLE
C	.30	0.00	0.00	GRAVEL	SAND
C	.25	0.00	0.00	GRAVEL	SAND
C	.35	0.00	0.00	GRAVEL	SAND

Table 4-B-9. Hydraulic habitat variables collected
at transects in Slough 8A, Sep 19, 1982.

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
1	.70	0.00	0.00	SILT	
1	1.05	0.00	0.00	SILT	
1	1.20	0.00	0.00	SILT	
1	1.20	.05	.12	SILT	
1	1.30	.05	.13	SILT	
1	1.30	.10	.26	SILT	
1	1.40	.10	.28	SILT	
1	1.40	.10	.28	SILT	
1	1.50	.10	.30	SILT	COBBLE
1	1.70	.10	.34	SILT	COBBLE
1	1.70	.10	.34	SILT	
1	1.65	.10	.33	SILT	COBBLE
1	1.80	.10	.36	SILT	COBBLE
1	1.80	.10	.36	SILT	
1	1.90	.20	.76	SILT	
1	1.80	.20	.72	SILT	
1	1.85	.30	1.11	SILT	
1	1.90	.20	.76	SILT	
1	1.90	.35	1.33	SILT	
1	1.80	.30	1.08	SILT	
1	1.80	.40	1.44	SILT	
1	1.70	.45	1.53	SILT	COBBLE
1	1.75	.30	1.05	SILT	COBBLE
1	1.65	.30	.99	SILT	COBBLE
1	1.50	.35	1.05	SILT	COBBLE
1	1.35	.30	.81	SILT	COBBLE
1	1.30	.25	.65	SILT	RUBBLE
1	1.30	.20	.52	SILT	RUBBLE
1	1.30	.20	.52	SILT	RUBBLE
1	1.30	.20	.52	SILT	RUBBLE
1	1.10	.20	.44	SILT	GRAVEL
1	1.10	.15	.33	SILT	GRAVEL
1	1.10	.15	.33	SILT	GRAVEL
1	1.00	.10	.20	SILT	GRAVEL
1	1.00	.10	.20	SILT	GRAVEL
1	.90	.10	.18	SILT	GRAVEL
1	1.00	.10	.20	SILT	
1	.80	.10	.16	SILT	
1	.65	.05	.07	SILT	
1	.60	0.00	0.00	SILT	
1	.40	0.00	0.00	SILT	
1	.20	0.00	0.00	SILT	
1				SILT	
2	.60	.15	.18	SILT	COBBLE

Table 4-B-9. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
2	.80	.20	.32	SILT	COBBLE
2	.80	.25	.40	SILT	COBBLE
2	.80	.20	.32	COBBLE	
2	.70	.25	.35	COBBLE	
2	.65	.30	.39	COBBLE	
2	.60	.50	.60	COBBLE	
2	.80	.50	.80	COBBLE	
2	1.10	.50	1.10	COBBLE	
2	1.50	.60	1.80	COBBLE	
2	1.70	.70	2.38	RUBBLE	
2	1.70	.80	2.72	RUBBLE	
2	1.90	.75	2.85	SILT	RUBBLE
2	1.80	.70	2.52	SILT	RUBBLE
2	1.80	.45	1.62	SILT	
2	1.90	.35	1.33	SILT	
2	1.90	.05	.19	SILT	RUBBLE
2	2.10	.20	.84	SILT	
2	2.20	.05	.22	SILT	
2	2.10	0.00	0.00	SILT	
2	2.00	.10	.40	SILT	RUBBLE
2	1.90	0.00	0.00	SILT	RUBBLE
2	1.90	0.00	0.00	SILT	RUBBLE
2	1.70	0.00	0.00	SILT	RUBBLE
2	1.60	0.00	0.00	SILT	
2	1.50	0.00	0.00	SILT	
2	1.50	0.00	0.00	SILT	
2	1.30	0.00	0.00	SILT	
2	1.40	0.00	0.00	SILT	
2	1.30	.10	.26	SILT	
2	1.30	.10	.26	SILT	
2	1.20	.05	.12	SILT	
2	1.00	0.00	0.00	SILT	
2	.25	0.00	0.00	SILT	
3	.90	0.00	0.00	SILT	COBBLE
3	1.00	.20	.40	SILT	COBBLE
3	1.20	.15	.36	SILT	RUBBLE
3	1.20	.20	.48	SILT	COBBLE
3	1.40	.20	.56	SILT	RUBBLE
3	1.30	.20	.52	SILT	
3	1.20	.20	.78	SILT	
3	1.20	.15	.36	SILT	RUBBLE
3	1.20	.15	.36	SILT	RUBBLE
3	1.10	0.00	0.00	SILT	RUBBLE
3	1.10	0.00	0.00	SILT	RUBBLE
3	1.10	0.00	0.00	SILT	RUBBLE

Table 4-B-9. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
3	1.10	.05	.11	SILT	RUBBLE
3	1.00	0.00	0.00	SILT	RUBBLE
3	1.20	0.00	0.00	SILT	RUBBLE
3	1.10	0.00	0.00	SILT	RUBBLE
3	1.10	0.00	0.00	SILT	RUBBLE
3	.90	0.00	0.00	SILT	RUBBLE
3	.40	0.00	0.00	SILT	RUBBLE
3	.30	0.00	0.00	SILT	RUBBLE
3	.30	0.00	0.00	SILT	RUBBLE
3	.30	.05	.03	SILT	RUBBLE
3	.30	.10	.06	SILT	RUBBLE
3	.50	.20	.20	RUBBLE	
3	.50	.50	.50	RUBBLE	
3	.60	.50	.60	RUBBLE	
3	.70	.60	.84	RUBBLE	
3	.75	1.20	1.80	RUBBLE	
3	.80	1.20	1.92	RUBBLE	
3	.80	1.00	1.60	RUBBLE	
3	.80	1.05	1.68	RUBBLE	
3	.80	1.00	1.60	RUBBLE	
3	.80	.90	1.44	RUBBLE	
3	.65	.90	1.17	RUBBLE	
3	.70	1.00	1.40	RUBBLE	
3	.70	.70	.98	RUBBLE	
3	.50	.90	.90	RUBBLE	
4				COBBLE	
4	.10	0.00	0.00	RUBBLE	
4	.10	0.00	0.00	RUBBLE	
4	.10	0.00	0.00	COBBLE	
4	.10	0.00	0.00	COBBLE	
4	.10	0.00	0.00	COBBLE	
4	.10	0.00	0.00	COBBLE	
4	.20	0.00	0.00	RUBBLE	SILT
4	.20	0.00	0.00	RUBBLE	
4	.60	.05	.06	RUBBLE	
4	1.00	.15	.30	RUBBLE	
4	1.40	.20	.56	RUBBLE	
4	1.70	.20	.68	RUBBLE	
4	1.70	.20	.68	RUBBLE	
4	2.00	.30	1.20	RUBBLE	
4	1.80	.30	1.08	RUBBLE	
4	1.85	.30	1.11	RUBBLE	
4	1.65	.30	.99	RUBBLE	
4	2.10	.40	1.68	RUBBLE	SILT
4	2.10	.40	1.68	RUBBLE	SILT

Table 4-B-9. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
4	2.15	.40	1.72	RUBBLE	SILT
4	2.00	.40	1.60	RUBBLE	SILT
4	1.60	.40	1.28	RUBBLE	SILT
4	1.80	.30	1.08	RUBBLE	SILT
4	1.90	.30	1.14	SILT	RUBBLE
4	1.60	.35	1.12	SILT	RUBBLE
4	1.50	.40	1.20	SILT	RUBBLE
4	1.10	.30	.66	SILT	RUBBLE
4	.90	.35	.63	SILT	RUBBLE
4	.80	.10	.16	SILT	RUBBLE
5	.65	0.00	0.00	SAND	
5	1.60	0.00	0.00	SAND	
5	2.30	0.00	0.00	SAND	
5	3.70	0.00	0.00	SAND	
5	4.50	0.00	0.00	SAND	
5	4.70	0.00	0.00	SAND	
5	4.80	0.00	0.00	GRAVEL	RUBBLE
5	5.00	.01	.10	GRAVEL	RUBBLE
5	5.20	.03	.31	GRAVEL	RUBBLE
5	5.30	.13	1.38	GRAVEL	RUBBLE
5	5.00	.18	1.80	GRAVEL	SAND
5	4.60	.20	1.84	GRAVEL	SAND
5	4.30	.32	2.72	GRAVEL	RUBBLE
5	3.90	.25	1.95	GRAVEL	RUBBLE
5	3.60	.25	1.80	SILT	RUBBLE
5	3.40	.20	1.36	SILT	RUBBLE
5	2.50	.20	1.00	SILT	RUBBLE
5	2.20	.25	1.10	SILT	RUBBLE
5	1.90	.20	.76	SILT	RUBBLE
5	1.70	.30	1.02	SILT	RUBBLE
5	1.90	.40	1.52	SILT	RUBBLE
5	2.00	.35	1.40	SILT	RUBBLE
5	1.80	.40	1.44	SILT	RUBBLE
5	1.50	.20	.60	SILT	RUBBLE
5	1.20	.30	.72	SILT	RUBBLE
5	1.10	.35	.77	SILT	RUBBLE
5	1.10	.20	.44	SILT	RUBBLE
5	1.00	.30	.60	SILT	RUBBLE
5	.70	.20	.28	SILT	COBBLE
5	.70	.20	.28	SILT	RUBBLE
5	1.00	.10	.20	SILT	RUBBLE
5	.60	0.00	0.00	SILT	RUBBLE
5	.50	0.00	0.00	SILT	RUBBLE
5	.50	.30	.30	SILT	RUBBLE
5	.50	.25	.25	SILT	RUBBLE

Table 4-B-9. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
6	.40	.20	.16	SILT	RUBBLE
6	.65	.35	.46	RUBBLE	
6	.70	.30	.42	SILT	RUBBLE
6	.70	.30	.42	SILT	RUBBLE
6	.70	.50	.70	RUBBLE	SILT
6	.50	.50	.50	RUBBLE	SILT
6	.60	.60	.72	RUBBLE	SILT
6	.70	.50	.70	RUBBLE	SILT
6	.65	.60	.78	RUBBLE	SILT
6	.60	.70	.84	RUBBLE	SILT
6	.60	.70	.84	RUBBLE	SILT
6	.70	.50	.70	RUBBLE	SILT
6	.80	.60	.96	RUBBLE	SILT
6	.80	.65	1.04	RUBBLE	SILT
6	.80	.45	.72	RUBBLE	SILT
6	.80	.75	1.20	RUBBLE	
6	.80	.90	1.44	RUBBLE	SILT
6	.80	.90	1.44	RUBBLE	SILT
6	.70	.80	1.12	RUBBLE	
6	.50	.60	.60	RUBBLE	SILT
6	.50	.80	.80	RUBBLE	SILT
6	.50	.50	.50	RUBBLE	SILT
6	.50	.80	.80	RUBBLE	SILT
6	.50	.70	.70	RUBBLE	SILT
6	.50	.50	.50	COBBLE	SILT
6	.50	.40	.40	RUBBLE	SILT
6	.30	.30	.18	COBBLE	SILT
7	.10	0.00	0.00	RUBBLE	SILT
7	.20	0.00	0.00	RUBBLE	SILT
7	.50	.20	.20	RUBBLE	SILT
7	.70	.70	.98	RUBBLE	SILT
7	.50	.90	.90	RUBBLE	
7	.20	1.00	.40	RUBBLE	
7	.30	1.15	.69	RUBBLE	
7	.30	.95	.57	RUBBLE	
7	.20	1.40	.56	RUBBLE	
7	.30	1.20	.72	RUBBLE	
7	.40	.40	.32	RUBBLE	
7	.40	.30	.24	RUBBLE	
7	.30	.60	.36	RUBBLE	
7	.30	1.40	.84	RUBBLE	
7	.50	.90	.90	COBBLE	
7	.60	.60	.72	RUBBLE	
7	.60	1.10	1.32	RUBBLE	
7	.60	1.25	1.50	RUBBLE	

Table 4-B-9. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
7	.50	1.90	1.90	RUBBLE	
7	.20	.50	.20	RUBBLE	
7	.50	2.10	2.10	RUBBLE	
7	.40	1.90	1.52	RUBBLE	
7	.20	1.90	.76	RUBBLE	
7	.30	.40	.24	RUBBLE	
7	.30	.20	.12	RUBBLE	SILT
7	.20	.70	.28	RUBBLE	SILT
7	.40	.85	.68	RUBBLE	SILT
7	.20	.55	.22	RUBBLE	SILT
7	.20	.70	.28	RUBBLE	SILT
7	.20	0.00	0.00	RUBBLE	SILT
7	.10	.20	.04	RUBBLE	SILT
7	.10	0.00	0.00	RUBBLE	SILT
7	.40	.50	.40	RUBBLE	SILT
7	.10	0.00	0.00	RUBBLE	SILT
7	.20	.50	.20	RUBBLE	SILT
7	.20	0.00	0.00	RUBBLE	SILT
8	.10	.20	0.00	GRAVEL	SILT
8	.50	.50	.50	RUBBLE	
8	.50	.40	.40	RUBBLE	SILT
8	.40	.60	.48	RUBBLE	SILT
8	.40	.65	.52	RUBBLE	SILT
8	.30	.80	.48	RUBBLE	SILT
8	.40	.70	.56	RUBBLE	SILT
8	.40	.60	.48	RUBBLE	SILT
8	.40	.60	.48	RUBBLE	SILT
8	.10	.60	.12	RUBBLE	SILT
8	.10	.30	.06	RUBBLE	SILT
8	.20	.60	.24	RUBBLE	SILT
8	.40	.65	.52	RUBBLE	SILT
8	.20	.90	.36	RUBBLE	SILT
8	.10	.50	.10	RUBBLE	SILT
3	.25	.40	.20	RUBBLE	SILT
3	.30	.50	.30	RUBBLE	SILT
3	.30	.50	.30	RUBBLE	SILT
3	.35	.40	.28	RUBBLE	
3	.40	.20	.16	RUBBLE	SILT
3	.40	.35	.28	RUBBLE	SILT
3	.60	.50	.60	SILT	RUBBLE
3	.75	.75	1.13	SILT	RUBBLE
3	1.10	.70	1.54	SILT	RUBBLE
3	.90	.70	1.26	SILT	RUBBLE
3	.90	.80	1.44	SILT	RUBBLE
3	.70	.90	1.26	RUBBLE	SILT

Table 4-B-9. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
8	.70	.80	1.12	RUBBLE	SILT
8	.60	.65	.78	RUBBLE	SILT
8	.60	.50	.60	RUBBLE	SILT
8	.60	.50	.60	RUBBLE	SILT
8	.50	.60	.60	RUBBLE	SILT
8	.10	.60	.48	RUBBLE	SILT
8	.30	.50	.30	RUBBLE	GRAVEL
8	.30	.40	.24	GRAVEL	SILT
8	.30	.50	.30	GRAVEL	SILT
8	.20	.15	.06	GRAVEL	SILT
8	.10	0.00	0.00	RUBBLE	SILT
8	.10	0.00	0.00	RUBBLE	SILT
9	.10	0.00	0.00	RUBBLE	SAND
9	.10	0.00	0.00	RUBBLE	SAND
9	.20	.10	.04	RUBBLE	SAND
9	.30	.20	.12	GRAVEL	SAND
9	.20	.30	.12	RUBBLE	SAND
9	.30	.30	.18	RUBBLE	SAND
9	.30	.30	.18	RUBBLE	SAND
9	.35	.30	.35	RUBBLE	
9	.50	.40	.40	RUBBLE	
9	.54	.60	.65	RUBBLE	
9	.50	.50	.50	RUBBLE	
9	.60	.25	.30	RUBBLE	SAND
9	.60	.20	.24	RUBBLE	SAND
9	.70	.40	.56	RUBBLE	SAND
9	.60	.50	.60	RUBBLE	SAND
9	.20	.45	.18	RUBBLE	SAND
9	.50	.40	.40	RUBBLE	SAND
9	.50	.60	.60	RUBBLE	SAND
9	.50	.60	.60	RUBBLE	SAND
9	.90	.40	.72	RUBBLE	SAND
9	1.00	.60	1.20	RUBBLE	SAND
9	1.10	.50	1.10	COBBLE	SAND
9	1.20	.50	1.20	COBBLE	SAND
9	1.20	.60	1.44	RUBBLE	SAND
9	1.10	.70	1.54	RUBBLE	SAND
9	1.00	.50	1.00	RUBBLE	SAND
9	1.00	.60	1.20	RUBBLE	SAND
9	.70	.50	.70	RUBBLE	SAND
9	.80	.30	.48	RUBBLE	SAND
9	.60	.50	.60	RUBBLE	
9	.40	.50	.40	RUBBLE	
9	.70	.45	.63	RUBBLE	
9	.60	.40	.48	RUBBLE	

Table 4-B-9. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
9	.50	.40	.40	RUBBLE	
9	.10	0.00	0.00	RUBBLE	
10	.30	0.00	0.00	SILT	
10	.60	0.00	0.00	SILT	COBBLE
10	.50	.10	.10	RUBBLE	SILT
10	.50	.05	.05	SILT	RUBBLE
10	.60	.10	.12	SILT	RUBBLE
10	.60	.10	.12	SILT	RUBBLE
10	.70	.10	.14	SILT	RUBBLE
10	.70	.05	.07	SILT	RUBBLE
10	.90	.05	.09	SILT	RUBBLE
10	1.00	.10	.20	SILT	RUBBLE
10	.75	0.00	0.00	SILT	RUBBLE
10	.60	.20	.24	SILT	RUBBLE
10	.50	.15	.15	SILT	
10	.65	.25	.33	SILT	
10	.80	.25	.40	SILT	
10	.70	.40	.56	SILT	
10	.70	.30	.42	SILT	
10	.70	.35	.49	SILT	
10	.80	.45	.72	SILT	RUBBLE
10	.90	.40	.72	SILT	
10	.90	.60	1.08	SILT	
10	1.10	.55	1.21	SILT	
10	1.10	.60	1.32	RUBBLE	SILT
10	1.30	.50	1.30	RUBBLE	SILT
10	1.40	.55	1.54	RUBBLE	SILT
10	1.40	.70	1.96	RUBBLE	SILT
10	1.10	.60	1.32	RUBBLE	SILT
10	1.20	.40	.96	RUBBLE	SILT
10	.80	.65	1.04	COBBLE	SILT
10	1.00	.35	.70	RUBBLE	SILT
10	.60	.45	.54	RUBBLE	SILT
10	.60	.45	.54	RUBBLE	SILT
10	.70	.30	.42	RUBBLE	SILT
10	.70	.10	.14	RUBBLE	
10	.50	.20	.20	RUBBLE	
10	.30	0.00	0.00	RUBBLE	
10	.10	0.00	0.00	RUBBLE	
11		0.00	0.00		
11	.10	0.00	0.00	RUBBLE	
11	.40	0.00	0.00	RUBBLE	
11	.50	0.00	0.00	RUBBLE	
11	.20	0.00	0.00	RUBBLE	
11	0.00	0.00	0.00	RUBBLE	

Table 4-B-9. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
11	.60	0.00	0.00	RUBBLE	
11	.40	0.00	0.00	RUBBLE	
11	0.00	0.00	0.00	RUBBLE	
11	0.00	0.00	0.00	RUBBLE	
11	0.00	0.00	0.00	RUBBLE	
11	.01	0.00	0.00	RUBBLE	
11	0.00	0.00	0.00	RUBBLE	
11	.04	0.00	0.00	SAND	
11	.50	.50	.50	SAND	
11	.40	.40	.32	SILT	RUBBLE
11	.50	.10	.10	SILT	RUBBLE
11	.40	.10	.08	SILT	
11	.40	.20	.16	SILT	
11	.40	.30	.24	SILT	
11	.60	.40	.48	SILT	
11	1.10	.35	.77	SILT	
11	1.30	.50	1.30	SILT	
11	1.40	.45	1.26	SILT	RUBBLE
11	1.60	.90	2.88	SILT	RUBBLE
11	1.90	.90	3.42	SILT	RUBBLE
11	1.70	.80	2.72	SILT	RUBBLE
11	1.50	.70	2.10	RUBBLE	SILT
11	1.50	.40	1.20	RUBBLE	SILT
11	1.70	.30	1.02	RUBBLE	SILT
11	.90	.20	.36	RUBBLE	
11	.50	0.00	0.00	RUBBLE	
11	.10	0.00	0.00		

Table 4-B-10. Hydraulic habitat variables collected
at transects in Slough 9, Aug 12, 1982.

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
1				SILT	COBBLE
1	.40	0.00	0.00	SILT	COBBLE
1	.65	0.00	0.00	SILT	COBBLE
1	.70	0.00	0.00	SILT	COBBLE
1	.80	0.00	0.00	SILT	COBBLE
1	.65	0.00	0.00	SILT	COBBLE
1	.65	.07	.09	SILT	COBBLE
1	.60	.17	.10	SILT	COBBLE
1	.60	.10	.06	SILT	COBBLE
1	.65	.13	.08	SILT	COBBLE
1	.70	.24	.17	SILT	COBBLE
1	.60	.14	.09	SILT	COBBLE
1	.60	.16	.09	SILT	COBBLE
1	.75	.16	.12	SILT	COBBLE
1	.75	.17	.13	SILT	COBBLE
1	.60	.16	.10	SILT	COBBLE
1	.60	.22	.13	SILT	COBBLE
1	.60	.17	.10	SILT	COBBLE
1	.60	.26	.16	SILT	COBBLE
1	.70	.26	.18	SILT	COBBLE
1	.60	.17	.10	SILT	COBBLE
1	.55	.10	.06	SILT	COBBLE
1	.60	.16	.10	SILT	COBBLE
1	.55	.18	.10	SILT	COBBLE
1	.70	.21	.15	SILT	COBBLE
1	.75	.16	.12	SILT	COBBLE
1	.70	.23	.16	SILT	COBBLE
1	.70	.24	.33	SILT	COBBLE
1	.70	.29	.40	SILT	COBBLE
1	.70	.24	.34	SILT	COBBLE
1	.70	.30	.42	SILT	COBBLE
1	.70	.44	.62	SILT	COBBLE
1	.75	.47	.70	SILT	COBBLE
1	.65	.47	.62	SILT	COBBLE
1	.60	.43	.52	SILT	COBBLE
1	.55	.38	.41	SILT	COBBLE
1	.35	.30	.21	SILT	COBBLE
1	.25	.23	.12	SILT	COBBLE
1	.15	0.00	0.00	SILT	COBBLE
1	.05	0.00	0.00	SILT	COBBLE
1	.05	0.00	0.00	SILT	COBBLE
1		0.00	0.00	SILT	COBBLE
2				SILT	COBBLE
2	.45	.45	.31	SILT	COBBLE

Table 4-B-10. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
2	.55	.40	.43	SILT	COBBLE
2	.40	.31	.25	SILT	COBBLE
2	.45	0.00	0.00	SILT	COBBLE
2	.60	0.00	0.00	SILT	COBBLE
2	.50	0.00	0.00	SILT	COBBLE
2	.30	0.00	0.00	SILT	COBBLE
2	.40	0.00	0.00	SILT	COBBLE
2	.30	0.00	0.00	SILT	COBBLE
2	.60	.22	.26	SILT	COBBLE
2	.55	.15	.16	SILT	COBBLE
2	.80	.40	.64	SILT	COBBLE
2	.70	.36	.50	SILT	COBBLE
2	.55	.64	.70	SILT	COBBLE
2	.50	.41	.41	SILT	COBBLE
2	.50	.60	.60	SILT	COBBLE
2	.50	.44	.44	SILT	COBBLE
2	.30	.51	.31	SILT	COBBLE
2	.40	.54	.43	SILT	COBBLE
2	.30	.35	.21	SILT	COBBLE
2	.40	.26	.21	SILT	COBBLE
2	.20	0.00	0.00	SILT	COBBLE
2	.30	.37	.22	SILT	COBBLE
2	.20	.30	.12	SILT	COBBLE
2	.10	0.00	0.00	SILT	COBBLE
2	.10	0.00	0.00	SILT	COBBLE
2	.20	.12	.05	SILT	COBBLE
2	.05	0.00	0.00	SILT	COBBLE
2	.20	0.00	0.00	SILT	COBBLE
3	.01	0.00	0.00		
3	.01	0.00	0.00		
3	0.00	0.00	0.00		
3	.10	0.00	0.00		
3	.20	0.00	0.00		
3	.30	0.00	0.00		
3	.40	.16	.13		
3	.40	.15	.12		
3	.35	0.00	0.00		
3	.35	.14	.10		
3	.45	.31	.25		
3	.55	.20	.20		
3	.60	.38	.42		
3	.55	.78	.82		
3	.50	.70	.68		
3	.50	.67	.65		
3	.40	1.09	.85		

Table 4-B-10. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
3	.25	.76	.35		
3	.25	0.00	0.00		
3	.25	.93	.46		
3	.20	.66	.26		
3	.20	1.01	.40		
3	.20	.47	.19		
3	.10	.95	.19		
3	.20	.35	.14		
3	.20	.72	.29		
3	.20	.73	.29		
3	.15	.65	.20		
3	.15	.58	.18		
3	.15	.42	.13		
3	.20	.40	.16		
3	.20	.20	.08		
3	.10	0.00	0.00		
3	.15	.05	.15		
3	.10	0.00	0.00		
3	.10	0.00	0.00		
3	.10	0.00	0.00		
3	0.00	0.00	0.00		
3	.10	0.00	0.00		
3	.05	0.00	0.00		
3	.05	0.00	0.00		
3	0.00	0.00	0.00		
4	.10			COBBLE	RUBBLE
4	.10			COBBLE	RUBBLE
4	.15	.06	.02	COBBLE	RUBBLE
4	.15	.05	.01	COBBLE	RUBBLE
4	.20	.14	.04	COBBLE	RUBBLE
4	.20	.56	.11	COBBLE	RUBBLE
4	.15	.51	.06	COBBLE	RUBBLE
4	.20	.66	.26	COBBLE	RUBBLE
4	.10	.08	.02	COBBLE	RUBBLE
4	0.00	0.00	0.00	COBBLE	RUBBLE
4	0.00	0.00	0.00	COBBLE	RUBBLE
4	.05	0.00	0.00	COBBLE	RUBBLE
4	.05	0.00	0.00	COBBLE	RUBBLE
4	.15	.46	.12	COBBLE	RUBBLE
4	.10	.55	.10	COBBLE	RUBBLE
4	.10	.50	.10	COBBLE	RUBBLE
4	.15	.46	.13	COBBLE	RUBBLE
4	.15	.42	.12	COBBLE	RUBBLE
4	.15	.95	.28	COBBLE	RUBBLE
4	.15	.24	.07	COBBLE	RUBBLE

Table 4-B-10. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
4	.15	.91	.26	COBBLE	RUBBLE
4	.20	1.02	.40	COBBLE	RUBBLE
4	.20	1.48	.59	COBBLE	RUBBLE
4	.20	1.67	.67	COBBLE	RUBBLE
4	.20	1.02	.41	COBBLE	RUBBLE
4	.20	1.90	.76	COBBLE	RUBBLE
4	.20	1.58	.63	COBBLE	RUBBLE
4	.20	.96	.38	COBBLE	RUBBLE
4	.15	1.05	.31	COBBLE	RUBBLE
4	.10	0.00	0.00	COBBLE	RUBBLE
4	.05	0.00	0.00	COBBLE	RUBBLE
4	.05	0.00	0.00	COBBLE	RUBBLE
4	.10	1.37	.27	COBBLE	RUBBLE
4	.05	0.00	0.00	COBBLE	RUBBLE
4	.05	0.00	0.00	COBBLE	RUBBLE
4	.05	0.00	0.00	COBBLE	RUBBLE
4	.05	0.00	0.00	COBBLE	RUBBLE
4	.15	.20	.06	COBBLE	RUBBLE
5	0.00	0.00		COBBLE	RUBBLE
5	.10	0.00	0.00	COBBLE	RUBBLE
5	.20	0.00	0.00	COBBLE	RUBBLE
5	.30	0.00	0.00	COBBLE	RUBBLE
5	.45	0.00	0.00	COBBLE	RUBBLE
5	.45	0.00	0.00	COBBLE	RUBBLE
5	.45	0.00	0.00	COBBLE	RUBBLE
5	.40	0.00	0.00	COBBLE	RUBBLE
5	.30	0.00	0.00	COBBLE	RUBBLE
5	.25	0.00	0.00	COBBLE	RUBBLE
5	.10	0.00	0.00	COBBLE	RUBBLE
5	0.00	0.00	0.00	COBBLE	RUBBLE
5	0.00	0.00	0.00	COBBLE	RUBBLE
5	.05	0.00	0.00	COBBLE	RUBBLE
5	0.00	0.00	0.00	COBBLE	RUBBLE
5	.05	0.00	0.00	COBBLE	RUBBLE
5	.05	0.00	0.00	COBBLE	RUBBLE
5	.10	.41	.08	COBBLE	RUBBLE
5	.15	.55	.16	COBBLE	RUBBLE
5	.15	.55	.16	COBBLE	RUBBLE
5	.25	.52	.26	COBBLE	RUBBLE
5	.30	.73	.44	COBBLE	RUBBLE
5	.40	.91	.72	COBBLE	RUBBLE
5	.30	.83	.50	COBBLE	RUBBLE
5	.20	.93	.37	COBBLE	RUBBLE
5	.25	.95	.48	COBBLE	RUBBLE
5	.30	1.02	.61	COBBLE	RUBBLE

Table 4-B-10. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
5	.20	.71	.28	COBBLE	RUBBLE
5	.40	.42	.33	COBBLE	RUBBLE
5	.20	.25	.10	COBBLE	RUBBLE
5	.30	.29	.16	COBBLE	RUBBLE
5	.30	.19	.11	COBBLE	RUBBLE
5	.30	.01	.01	COBBLE	RUBBLE
5	.30	0.00	0.00	COBBLE	RUBBLE
5	.30	0.00	0.00	COBBLE	RUBBLE
5	.25	0.00	0.00	COBBLE	RUBBLE
5	.30	0.00	0.00	COBBLE	RUBBLE
5	.30	0.00	0.00	COBBLE	RUBBLE
5	.05	0.00	0.00	COBBLE	RUBBLE
5			0.00	COBBLE	RUBBLE
6	.10				
6	.15	.20	.06		
6	.25	.07	.03		
6	.35	.13	.09		
6	.30	.21	.13		
6	.35	.13	.09		
6	.35	0.00	0.00		
6	.45	.23	.20		
6	.45	.23	.20		
6	.40	.23	.19		
6	.50	.33	.33		
6	.50	.06	.06		
6	.70	.23	.32		
6	.85	.15	.24		
6	.95	.03	.05		
6	1.00	.32	.64		
6	1.00	.33	.67		
6	1.05	.39	.82		
6	.50	0.00	0.00		
6	.40	.13	.10		
6	.45	.19	.17		
6	.50	.14	.14		
6	.50	.11	.11		
6	.35	.03	.02		
6	0.00	0.00	0.00		
7			0.00		
7	.10	0.00	0.00	SAND	COBBLE
7	.10	0.00	0.00	SAND	COBBLE
7	.20	0.00	0.00	SAND	COBBLE
7	.35	0.00	0.00	SAND	COBBLE
7	.30	0.00	0.00	SAND	COBBLE
7	.40	0.00	0.00	SAND	COBBLE

Table 4-B-10. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
7	.45	0.00	0.00	SAND	COBBLE
7	.40	0.00	0.00	SAND	COBBLE
7	.65	0.00	0.00	SAND	COBBLE
7	.70	0.00	0.00	SAND	COBBLE
7	.80	0.00	0.00	SAND	COBBLE
7	.60	0.00	0.00	SAND	COBBLE
7	.60	.10	.12	SAND	COBBLE
7	.65	.13	.16	SAND	COBBLE
7	.65	.16	.21	SAND	COBBLE
7	.60	.17	.20	SAND	COBBLE
7	.55	.10	.11	SAND	COBBLE
7	.60	.19	.22	SAND	COBBLE
7	.50	0.00	0.00	SAND	COBBLE
7	.40	.17	.13	SAND	COBBLE
7	.35	.16	.11	SAND	COBBLE
7	.40	.14	.11	SAND	COBBLE
7	.40	.07	.06	SAND	COBBLE
7	.55	.07	.08	SAND	COBBLE
7	.55	.07	.74	SAND	COBBLE
7	.60	.11	.16	SAND	COBBLE
7	.70	.12	.18		
7	.70	.09	.15		
7	.65	.06	.11		
7	.70	0.00	0.00		
7	.75	.11	.11		
7	.80	0.00	0.00		
7	.90	0.00			
7	.70	0.00			
7	.50	0.00			
7	.30	0.00			
7	0.00				
8	.20	0.00	0.00		
8	.30	0.00	0.00		
8	.50	0.00	0.00		
8	.60	0.00	0.00		
8	.90	0.00	0.00		
9	.10				
9	.20	0.00	0.00		
9	.30	0.00	0.00		
9	.40	0.00	0.00		
9	.60	0.00	0.00		
9	.60	0.00	0.00		
9	.80	0.00	0.00		
9	1.00	0.00	0.00		
9	1.30	0.00	0.00		

Table 4-B-10. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
9	1.50	0.00	0.00		
9	1.50	0.00	0.00		
9	1.50	0.00	0.00		
9	1.40	0.00	0.00		
9	1.40	0.00	0.00		
9	1.40	0.00	0.00		
9	1.40	0.00	0.00		
9	1.40	0.00	0.00		
9	1.50	0.00	0.00		
9	1.40	0.00	0.00		
9	1.30	0.00	0.00		
9	1.30	0.00	0.00		
9	1.50	0.00	0.00		
9	1.30	0.00	0.00		
9	1.20	0.00	0.00		
9	1.40	0.00	0.00		
9	1.50	0.00	0.00		
9	1.70	0.00	0.00		
9	2.30	0.00	0.00		
9	2.90	0.00	0.00		
9	3.40	0.00	0.00		
9	3.10	0.00	0.00		
9	2.40	0.00	0.00		
9	1.70	0.00	0.00		

Table 4-B-11. Hydraulic habitat variables collected
at transects in Slough 9, Aug 25, 1982.

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
1				SAND	
1	.20	.10	.01	COBBLE	RUBBLE
1	.50	.05	.05	COBBLE	RUBBLE
1	.60	.10	.12	COBBLE	RUBBLE
1	.60	0.00	0.00	COBBLE	RUBBLE
1	.60	.08	.10	COBBLE	RUBBLE
1	.55	.10	.11	COBBLE	RUBBLE
1	.60	.10	.12	COBBLE	RUBBLE
1	.70	.12	.17	COBBLE	RUBBLE
1	.75	.10	.15	COBBLE	RUBBLE
1	.70	.12	.17	COBBLE	RUBBLE
1	.70	.12	.17	COBBLE	RUBBLE
1	.60	.12	.14	COBBLE	RUBBLE
1	.50	.10	.10	COBBLE	RUBBLE
1	.60	.05	.06	COBBLE	RUBBLE
1	.70	.10	.14	COBBLE	RUBBLE
1	.55	.10	.11	COBBLE	RUBBLE
1	.50	.10	.10	COBBLE	RUBBLE
1	.60	.15	.18	COBBLE	RUBBLE
1	.60	.12	.14	COBBLE	RUBBLE
1	.60	.22	.26	COBBLE	RUBBLE
1	.70	.25	.35	SAND	
1	.70	.28	.39	SAND	
1	.70	.30	.42	SAND	
1	.60	.25	.30	SAND	
1				SAND	
1	.40	.15	.12	SAND	
1	.30	.08	.05	SAND	
1	.20	0.00	0.00	SAND	
1	.10	0.00	0.00	SAND	
1		0.00	0.00	SAND	
2				SAND	
2	.30	.20	.03	SAND	
2	.40	.30	.24	GRAVEL	RUBBLE
2	.40	.12	.10	GRAVEL	RUBBLE
2	.40	.03	.02	GRAVEL	RUBBLE
2	.50	.05	.05	GRAVEL	RUBBLE
2	.40	0.00	0.00	GRAVEL	RUBBLE
2	.25	0.00	0.00	GRAVEL	RUBBLE
2	.30	0.00	0.00	GRAVEL	RUBBLE
2	.40	.05	.04	GRAVEL	RUBBLE
2	.50	.20	.20	GRAVEL	RUBBLE
2	.50	.05	.05	GRAVEL	RUBBLE
2	.70	.22	.31	GRAVEL	RUBBLE

Table 4-B-11. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
2	.60	.35	.42	GRAVEL	RUBBLE
2	.50	.50	.50	GRAVEL	RUBBLE
2	.50	.30	.30	GRAVEL	RUBBLE
2	.35	.35	.25	GRAVEL	RUBBLE
2	.45	.30	.27	GRAVEL	RUBBLE
2	.30	.20	.12	GRAVEL	RUBBLE
2	.30	.15	.09	GRAVEL	RUBBLE
2	.40	.20	.16	GRAVEL	RUBBLE
2	.20	.10	.04	GRAVEL	RUBBLE
2	.10	0.00	0.00	GRAVEL	RUBBLE
2	.10	0.00	0.00	GRAVEL	RUBBLE
2	.10	0.00	0.00	GRAVEL	RUBBLE
2	.10	0.00	0.00	GRAVEL	RUBBLE
4			0.00	GRAVEL	RUBBLE
4	.10	0.00	0.00	GRAVEL	RUBBLE
4	.10	0.00	0.00	GRAVEL	RUBBLE
4	.10	0.00	0.00	GRAVEL	RUBBLE
4	.20	.30	.09	GRAVEL	RUBBLE
4	.30	.48	.17	GRAVEL	RUBBLE
4	.10	.40	0.00	SAND	
4	.20	.30	.01	SAND	
4	0.00		0.00		
4	0.00		0.00	GRAVEL	
4	.10	0.00	0.00	GRAVEL	
4	.10	0.00	0.00	GRAVEL	
4	.20	.20	.08	GRAVEL	
4	.10	0.00	0.00	GRAVEL	
4	.10	0.00	0.00	GRAVEL	
4	.10	.40	.08	GRAVEL	
4	.10	.40	.08	GRAVEL	
4	.20	.65	.26	GRAVEL	
4	.20	.60	.24	GRAVEL	
4	.20	.60	.24	GRAVEL	
4	.20	.98	.39	GRAVEL	
4	.25	.85	.43	GRAVEL	
4	.20	.60	.23	GRAVEL	
4	.10	.25	.05	GRAVEL	
4	.10	.15	.03	GRAVEL	
4				GRAVEL	
4	.10	.20	.04	GRAVEL	RUBBLE
4	.10	.10	.02	GRAVEL	RUBBLE
4	.10	.30	.06	GRAVEL	RUBBLE
4	.10	.35	.07	GRAVEL	RUBBLE
4	.10	0.00	0.00	GRAVEL	RUBBLE
4	.10	0.00	0.00	GRAVEL	RUBBLE

Table 4-B-11. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
4	.10	.10	.02	GRAVEL	RUBBLE
6	0.00	0.00		SAND	
6	.10	0.00	0.00	SAND	RUBBLE
6	.10	0.00	0.00	GRAVEL	RUBBLE
6	.10	.02	0.00	GRAVEL	RUBBLE
6	.20	.10	0.00	GRAVEL	RUBBLE
6	.30	.20	.12	GRAVEL	RUBBLE
6	.35	.05	.04	GRAVEL	RUBBLE
6	.35	.10	.07	RUBBLE	COBBLE
6	.40	.15	.12	RUBBLE	COBBLE
6	.30	.12	.07	RUBBLE	COBBLE
6	.50	.10	.10	RUBBLE	COBBLE
6	.55	.15	.17	RUBBLE	COBBLE
6	.55	.15	.17	RUBBLE	COBBLE
6	.70	.15	.21	RUBBLE	COBBLE
6	.80	.18	.29	RUBBLE	COBBLE
6	1.00	.20	.40	RUBBLE	COBBLE
6	.90	.22	.40	RUBBLE	COBBLE
6	.95	.22	.42	RUBBLE	COBBLE
6	.60	.10	.12	RUBBLE	COBBLE
6	.40	.15	.12	RUBBLE	COBBLE
6	.35	.08	.06	RUBBLE	COBBLE
6	.50	.08	.08	RUBBLE	COBBLE
6	.45	.05	.05	RUBBLE	COBBLE
6	.30	0.00	0.00	RUBBLE	COBBLE
6		0.00	0.00	RUBBLE	COBBLE
7	0.00	0.00	0.00	SAND	RUBBLE
7	.10	0.00	0.00	SAND	RUBBLE
7	.20	0.00	0.00	SAND	RUBBLE
7	.20	0.00	0.00	SAND	RUBBLE
7	.30	0.00	0.00	SAND	RUBBLE
7	.40	0.00	0.00	SAND	RUBBLE
7	.40	0.00	0.00	SAND	RUBBLE
7	.40	.02	.02	SAND	RUBBLE
7	.45	.02	.02	SAND	RUBBLE
7	.55	.02	.02	SAND	RUBBLE
7	.65	.02	.03	SAND	RUBBLE
7	.65	.05	.07	SAND	RUBBLE
7	.50	.08	.08	SAND	RUBBLE
7	.50	.05	.05	SAND	RUBBLE
7	.55	.10	.11	SAND	RUBBLE
7	.60	.08	.10	SAND	RUBBLE
7	.55	.10	.11	SAND	RUBBLE
7	.55	.10	.11	SAND	RUBBLE
7	.50	.10	.10	SAND	RUBBLE

Table 4-B-11. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
7	.50	.10	.10	SAND	RUBBLE
7	.45	.10	.09	SAND	RUBBLE
7	.45	.10	.09	SAND	RUBBLE
7	.30	.10	.06	SAND	RUBBLE
7	.25	.05	.03	SAND	RUBBLE
7	.25	.02	.01	SAND	RUBBLE
7	.45	.01	.01	SAND	
7	.50	.05	.05	SAND	
7	.60	.08	.01	SAND	
7	.65	.08	.10	SAND	
7	.65	.08	.10	SAND	
7	.65	.08	.10	SAND	
7	.70	.08	.11	SAND	
7	.60	.10	.12	SAND	
7	.70	.10	.14	SAND	
7	.75	.10	.15	SAND	
7	.80	.10	.16	SAND	
7	.75	.10	.15	SAND	
7	.55	.10	.11	SAND	
7	.30	0.00	0.00	SAND	
7	.20	0.00	0.00	SAND	
7				SAND	
8				SAND	
8	.20	0.00	0.00	SAND	
8	.35	0.00	0.00	SAND	
8	.55	0.00	0.00	SAND	
8	.80	0.00	0.00	SAND	
8	1.00	.05	.10	SAND	
8	1.15	.08	.18	SAND	
8	1.30	.05	.13	SAND	
8	1.50	.05	.15	SAND	
8	1.70	.05	.17	SAND	
8	1.80	.05	.18	SAND	
8	1.70	.03	.10	SAND	
8	1.70	.05	.17	SAND	
8	1.30	.05	.13	SAND	
8	1.80	0.00	0.00	SAND	
8	1.90	.05	.19	SAND	
8	2.10	.02	.08	SAND	
8	2.20	.02	.09	SAND	
8	2.30	.05	.23	SAND	
8	2.40	.08	.38	SAND	
8	2.45	.02	.10	SAND	
8	2.50	.02	.10	SAND	
8	2.30	.02	.09	SAND	

Table 4-B-11. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
8	2.20	.01	.04	SAND	
8	2.00	.01	.04	SAND	
8	1.65	.02	.07	SAND	
8	1.40	0.00	0.00	BOULDER	SAND
8	.75	.01	.02	BOULDER	SAND
8	.65	0.00	0.00	BOULDER	SAND
9				COBBLE	
9	0.00	0.00	0.00	COBBLE	
9	.10	0.00	0.00	COBBLE	
9	.20	0.00	0.00	COBBLE	
9	.30	.02	.01	COBBLE	
9	.30	0.00	0.00	COBBLE	
9	.40	.02	.02	COBBLE	
9	.60	.08	.01	COBBLE	
9	.90	.08	.14	COBBLE	
9	1.20	.08	.19	COBBLE	SAND
9	1.45	.08	.23	SAND	
9	1.40	.08	.22	SAND	
9	1.30	.08	.21	SAND	
9	1.25	.08	.20	SAND	
9	1.25	.02	.05	SAND	
9	1.25	.05	.13	SAND	
9	1.35	.05	.14	SAND	
9	1.25	.05	.13	SAND	
9	1.25	.05	.13	SAND	
9	1.30	.03	.08	SAND	
9	1.15	.05	.12	SAND	
9	1.20	.05	.12	SAND	
9	1.20	.05	.12	SAND	
9	1.15	.03	.07	SAND	
9	1.10	.10	.22	SAND	
9	1.30	.03	.21	SAND	
9	1.50	0.00	0.00	SAND	
9	1.65	.02	.07	SAND	
9	2.20	.02	.09	SAND	
9	2.85	.01	.03	BOULDER	SAND
9	3.35	0.00	0.00	BOULDER	SAND
9	2.90	.03	.17	BOULDER	SAND
9	2.35	.05	.24	BOULDER	SAND
9	1.80	.02	.07	BOULDER	SAND
10				SAND	
10	.10	0.00	0.00	SAND	
10	.30	0.00	0.00	SAND	
10	.35	0.00	0.00	SAND	
10	.40	.01	.01	SAND	

Table 4-B-11. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
10	.40	.02	.02	SAND	
10	.65	.02	.03	SAND	
10	.95	.02	.04	SAND	
10	1.15	.03	.07	SAND	
10	1.40	.05	.14	SAND	
10	1.60	.08	.26	SAND	
10	1.90	.10	.38	SAND	
10	2.15	.10	.43	SAND	
10	2.35	.02	.09	SAND	
10	2.65	.07	.38	SAND	
10	2.85	.08	.46	SAND	
10	2.80	.01	.06	SAND	
10	2.70	.09	.49	SAND	
10	2.60	.07	.35	SAND	
10	2.50	.10	.48	SAND	
10	2.45	.10	.49	SAND	
10	2.45	.10	.49	SAND	
10	2.45	.08	.39	SAND	
10	2.70	.07	.38	SAND	
10	3.00	.01	.06	SAND	BOULDER
10	3.65	.01	.07	SAND	BOULDER
10	3.40	.02	.10	SAND	BOULDER
10	.90	.02	.04	SAND	BOULDER
10	.30	0.00	0.00	SAND	BOULDER
A	.20	0.00	0.00	GRAVEL	RUBBLE
A	.15	0.00	0.00	GRAVEL	RUBBLE
A	.15	0.00	0.00	GRAVEL	RUBBLE
A	.30	.15	.09	GRAVEL	RUBBLE
A	.40	.10	.08	GRAVEL	RUBBLE
A	.40	.28	.22	GRAVEL	RUBBLE
A	.35	.25	.18	GRAVEL	RUBBLE
A	.45	.25	.23	GRAVEL	RUBBLE
A	.45	.15	.14	GRAVEL	RUBBLE
A	.45	.25	.23	GRAVEL	RUBBLE
A	.50	.45	.45	GRAVEL	RUBBLE
A	.65	.40	.52	GRAVEL	RUBBLE
A	.60	.45	.54	GRAVEL	RUBBLE
A	.60	.55	.66	GRAVEL	RUBBLE
A	.55	.50	.55	GRAVEL	RUBBLE
A	.45	.45	.41	SAND	
A	.40	.50	.40	SAND	
A	.45	.50	.45	SAND	
A	.40	.45	.36	SAND	
A	.40	.45	.36	SAND	
A	.35	.60	.42	SAND	

Table 4-B-11. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
A	.40	.50	.40	SAND	
A	.35	.45	.32	SAND	
A	.35	.40	.28	SAND	
A	.30	.45	.27	SAND	
A	.45	.25	.23	SAND	
A	.35	.05	.04	SAND	
A	.20	0.00	0.00	SAND	
B	0.00			COBBLE	RUBBLE
B	.40	.05	.04	COBBLE	RUBBLE
B	.70	.15	.21	COBBLE	RUBBLE
B	.85	.20	.34	COBBLE	RUBBLE
B	1.20	.20	.48	COBBLE	RUBBLE
B	1.20	.20	.48	COBBLE	RUBBLE
B	1.30	.20	.52	COBBLE	RUBBLE
B	1.30	.20	.52	COBBLE	RUBBLE
B	1.30	.20	.52	COBBLE	RUBBLE
B	1.95	.25	.98	COBBLE	RUBBLE
B	2.05	.20	.82	COBBLE	RUBBLE
B	2.00	.25	1.00	COBBLE	RUBBLE
B	2.00	.25	1.00	SAND	SILT
B	1.90	.25	.95	SAND	SILT
B	1.20	.25	.60	SAND	SILT
B	1.20	.20	.48	SAND	SILT
B	1.00	.20	.40	SAND	SILT
B	.80	.20	.32	SAND	SILT
B	.80	.20	.32	SAND	SILT
B	.70	.20	.28	SAND	SILT
B	.65	.15	.20	SAND	SILT
B	.60	.10	.12	SAND	SILT
B	.50	.05	.05	SAND	SILT
B				SAND	SILT
C				SILT	
C	.10	0.00	0.00	SILT	
C	.20	0.00	0.00	SILT	
C	.30	0.00	0.00	SILT	
C	.50	.08	0.00	SILT	
C	.70	.08	.11	SILT	
C	.85	.10	.17	SILT	
C	1.10	.10	.22	SILT	
C	1.10	.13	.29	SILT	
C	1.20	.13	.31	SILT	
C	1.25	.15	.38	SILT	
C	1.30	.13	.34	SILT	SAND
C	1.40	.15	.42	SILT	SAND
C	1.50	.15	.45	SILT	SAND

Table 4-B-11. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
C	1.50	.10	.30	SILT	SAND
C	1.50	.15	.45	SILT	SAND
C	1.60	.13	.42	SILT	SAND
C	1.65	.15	.50	SILT	SAND
C	1.60	.10	.32	SILT	SAND
C	1.60	.10	.32	SILT	SAND
C	1.60	.10	.32	SILT	SAND
C	1.70	.10	.34	SILT	SAND
C	1.60	.10	.32	SILT	SAND
C	1.60	.13	.42	SILT	SAND
C	1.60	.10	.32	SILT	SAND
C	1.30	.10	.26	SILT	SAND
C	1.20	.10	.24	SILT	SAND
C	1.10	.10	.22	SILT	SAND
C	1.10	.10	.22	SILT	SAND
C	1.00	.10	.20	SILT	SAND
C	1.00	.02	.04	SILT	
C	.80	.05	.08	SILT	
C	.60	.05	.06	SILT	
C	.50	0.00	0.00	SILT	
C	.30	0.00	0.00	SILT	
C	.20	0.00	0.00	SILT	
D	0.00	0.00	0.00	GRAVEL	COBBLE
D	.20	.70	.28	GRAVEL	COBBLE
D	.25	.85	.43	GRAVEL	COBBLE
D	.30	.70	.42	GRAVEL	COBBLE
D	.20	.10	.04	GRAVEL	COBBLE
D	.20	.30	.12	GRAVEL	COBBLE
D	.10	.70	.14	GRAVEL	RUBBLE
D	.20	.90	.36	GRAVEL	RUBBLE
D	.20	.90	.36	GRAVEL	RUBBLE
D	.30	1.15	.69	GRAVEL	RUBBLE
D	.20	1.05	.42	GRAVEL	RUBBLE
D	.20	1.50	.60	GRAVEL	RUBBLE
D	.15	.80	.24	GRAVEL	RUBBLE
D	.10	0.00	0.00	GRAVEL	RUBBLE
D	.10	0.00	0.00	GRAVEL	RUBBLE
D	.15	0.00	0.00	GRAVEL	RUBBLE
D	.30	.40	.24	GRAVEL	RUBBLE
D	.10	0.00	0.00	GRAVEL	RUBBLE
D	.10	0.00	0.00	GRAVEL	RUBBLE
D	.05	0.00	0.00	GRAVEL	RUBBLE
D	.05	0.00	0.00	GRAVEL	RUBBLE
D	0.00				

Table 4-B-12. Hydraulic habitat variables collected
at transects in Slough 9, Sep 04, 1982.

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
1	.20	0.00	0.00	SAND	
1	.70	.10	.14	SAND	RUBBLE
1	.80	.18	.29	GRAVEL	COBBLE
1	.70	.15	.21	GRAVEL	COBBLE
1	.70	.10	.14	RUBBLE	SAND
1	.70	.10	.14	RUBBLE	GRAVEL
1	.70	.10	.14	RUBBLE	GRAVEL
1	.75	.20	.30	COBBLE	GRAVEL
1	.80	.15	.24	GRAVEL	RUBBLE
1	.60	.25	.30	GRAVEL	RUBBLE
1	.65	.30	.39	GRAVEL	COBBLE
1	.65	.25	.32	GRAVEL	RUBBLE
1	.65	.20	.26	GRAVEL	COBBLE
1	.60	.20	.24	GRAVEL	RUBBLE
1	.80	.20	.32	SAND	COBBLE
1	.70	.20	.28	SAND	RUBBLE
1	.70	.28	.39	GRAVEL	COBBLE
1	.70	.28	.39	SAND	COBBLE
1	.75	.32	.48	SAND	
1	.70	.32	.44	SAND	
1	.70	.52	.73	SAND	
1	.75	.59	.89	SAND	
1	.75	.55	.83	SAND	
1	.65	.45	.59	SAND	
1	.60	.40	.48	SAND	
1	.45	.35	.32	SAND	
1	.30	.25	.15	SAND	
1	.20	.10	.04	SAND	
1	.10			SAND	
1				SAND	
2	.20	.10	0.00	SAND	
2	.30	.40	.24	SAND	
2	.50	.32	.32	GRAVEL	COBBLE
2	.50	.29	.29	GRAVEL	COBBLE
2	.50	.10	.10	RUBBLE	COBBLE
2	.50	.05	.05	RUBBLE	COBBLE
2	.50	.08	.08	GRAVEL	RUBBLE
2	.35	0.00	0.00	GRAVEL	RUBBLE
2	.40	.05	.04	GRAVEL	RUBBLE
2	.40	.05	.04	SAND	COBBLE
2	.60	.30	.36	GRAVEL	COBBLE
2	.50	.40	.40	GRAVEL	COBBLE
2	.50	.70	.70	GRAVEL	COBBLE
2	.40	.50	.40	GRAVEL	COBBLE

Table 4-B-12. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
2	.50	.60	.60	GRAVEL	COBBLE
2	.70	.50	.70	GRAVEL	BOULDER
2	.55	.60	.66	GRAVEL	COBBLE
2	.50	.52	.52	SAND	COBBLE
2	.40	.60	.48	SAND	GRAVEL
2	.40	.50	.40	GRAVEL	SAND
2	.40	.50	.40	GRAVEL	
2	.40	.20	.16	GRAVEL	RUBBLE
2	.30	.05	.03	SAND	COBBLE
2	.35	.30	.21	SAND	RUBBLE
2	.20	.28	.11	SAND	RUBBLE
2	.20	.20	.08	SAND	
2	.15	.20	.06	SAND	GRAVEL
2	.20	.10	.04	SAND	RUBBLE
2	.10	0.00	0.00	RUBBLE	SAND
2	.20	.10	.04	GRAVEL	
4	.10	.02	0.00	GRAVEL	
4	.20	0.00	0.00	GRAVEL	
4	.25	0.00	0.00	GRAVEL	
4	.25	.38	.08	GRAVEL	
4	.20	.58	.09	GRAVEL	SAND
4	.20	.42	.07	GRAVEL	SAND
4	.20	.28	.01	SAND	
4	.10	.30	.06	SAND	
4		0.00	0.00	SAND	
4	.05	.20	.02	GRAVEL	SAND
4	.05	.30	.03	GRAVEL	
4	.05	.28	.03	GRAVEL	
4	.10	.15	.03	GRAVEL	
4	.10	.20	.03	GRAVEL	
4	.10	.50	.09	GRAVEL	
4	.10	.60	.11	GRAVEL	
4	.15	.40	.11	GRAVEL	
4	.15	.60	.18	GRAVEL	
4	.20	1.05	.41	GRAVEL	
4	.20	1.00	.40	GRAVEL	
4	.15	1.40	.41	GRAVEL	
4	.20	1.70	.66	GRAVEL	
4	.20	1.15	.45	GRAVEL	RUBBLE
4	.20	2.00	.80	GRAVEL	RUBBLE
4	.20	1.35	.54	GRAVEL	RUBBLE
4	.20	1.75	.70	GRAVEL	RUBBLE
4	.15	.75	.23	GRAVEL	RUBBLE
4	.20	.85	.34	GRAVEL	
4	.15	.95	.29	GRAVEL	

Table 4-B-12. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
4	.15	.10	.02	GRAVEL	
4	.10	.80	.16	GRAVEL	
4	.15	.60	.17	GRAVEL	
4	.10	.30	.06	GRAVEL	
4	.15	.65	.19	GRAVEL	RUBBLE
4	.05	0.00	0.00	GRAVEL	RUBBLE
4	.05	0.00	0.00	GRAVEL	RUBBLE
4	.05	.25	.02	GRAVEL	RUBBLE
4	.05	.20	.02	GRAVEL	RUBBLE
4	.15	0.00	0.00	GRAVEL	RUBBLE
4	.05	.10	.01	GRAVEL	RUBBLE
4	.10	.15	.03	GRAVEL	RUBBLE
4	.10	.10	.02	GRAVEL	RUBBLE
4				GRAVEL	RUBBLE
6	.05		0.00	RUBBLE	
6	.10	.05	.01	SAND	RUBBLE
6	.20	.18	.07	RUBBLE	COBBLE
6	.20	.25	.10	RUBBLE	COBBLE
6	.20	.28	.11	RUBBLE	COBBLE
6	.40	.31	.25	RUBBLE	COBBLE
6	.50	.39	.39	RUBBLE	COBBLE
6	.50	.12	.12	COBBLE	BOULDER
6	.55	.29	.32	RUBBLE	COBBLE
6	.45	.35	.32	RUBBLE	COBBLE
6	.55	.35	.39	RUBBLE	BOULDER
6	.35	.39	.27	RUBBLE	BOULDER
6	.80	.35	.56	COBBLE	BOULDER
6	.70	.38	.53	COBBLE	BOULDER
6	.80	.42	.67	RUBBLE	COBBLE
6	1.00	.31	.62	RUBBLE	COBBLE
6	1.15	.35	.81	RUBBLE	COBBLE
6	1.25	.42	.05	RUBBLE	COBBLE
6	1.20	.20	.48	RUBBLE	COBBLE
6	.95	.29	.55	COBBLE	RUBBLE
6	.75	.05	.08	RUBBLE	COBBLE
6	.50	.02	.02	COBBLE	BOULDER
6	.60	.29	.35	COBBLE	RUBBLE
6	.50	.22	.22	BOULDER	RUBBLE
6	.50	.15	.14	COBBLE	RUBBLE
7	0.00			RUBBLE	GRAVEL
7	0.00			RUBBLE	GRAVEL
7	.05			SAND	
7	0.00			SAND	
7	.05			GRAVEL	SAND
7	.05			RUBBLE	SAND

Table 4-B-12. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
7	.05			SAND	RUBBLE
7	.10	0.00	0.00	RUBBLE	SAND
7	.20	0.00	0.00	RUBBLE	SAND
7	.20	0.00	0.00	RUBBLE	COBBLE
7	.20	0.00	0.00	RUBBLE	COBBLE
7	.35	.02	.01	RUBBLE	COBBLE
7	.40	.05	.04	GRAVEL	RUBBLE
7	.45	.10	.09	SAND	RUBBLE
7	.30	.10	.06	COBBLE	GRAVEL
7	.55	.10	.11	SAND	COBBLE
7	.50	.15	.15	RUBBLE	BOULDER
7	.80	.15	.24	RUBBLE	SILT
7	.80	.17	.27	SAND	SILT
7	.60	.16	.19	COBBLE	BOULDER
7	.60	.15	.18	SAND	SILT
7	.70	.20	.28	SAND	COBBLE
7	.70	.15	.21	SAND	SILT
7	.70	.20	.28	SAND	SILT
7	.70	.20	.28	SAND	SILT
7	.65	.23	.30	SAND	SILT
7	.60	.20	.24	SAND	SILT
7	.60	.20	.24	SAND	SILT
7	.55	.18	.20	SAND	SILT
7	.45	.20	.18	SAND	SILT
7	.40	.20	.16	SAND	
7	.45	.18	.16	SAND	
7	.60	.18	.22	SAND	SILT
7	.60	.20	.24	SAND	SILT
7	.60	.17	.20	SAND	SILT
7	.70	.18	.25	SAND	SILT
7	.75	.15	.23	SAND	SILT
7	.75	.15	.23	SAND	SILT
7	.80	.20	.32	SAND	SILT
7	.80	.15	.24	SAND	SILT
7	.80	.15	.24	SAND	SILT
7	.80	.18	.29	SAND	SILT
7	.85	.20	.34	SAND	SILT
7	.90	.20	.36	SAND	SILT
7	.80	.20	.32	SAND	SILT
7	.50	.15	.15	SAND	SILT
7	.30	.10	.06	SAND	SILT
7	.15	.02	.01	SAND	SILT
8	.20	0.00	0.00	SILT	SAND
8	.35	0.00	0.00	SILT	SAND
8	.55	0.00	0.00	SILT	SAND

Table 4-B-12. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
8	.70	0.00	0.00	SILT	SAND
8	.10	.05	.01	SILT	SAND
8	1.10	.08	.18	SILT	SAND
8	1.30	.10	.26	SILT	SAND
8	1.45	.05	.15	SILT	SAND
8	1.65	.08	.26	SILT	SAND
8	1.80	.03	.11	SILT	SAND
8	1.80	.08	.29	SILT	SAND
8	1.85	.10	.37	SILT	SAND
8	1.90	.10	.38	SILT	SAND
8	1.90	.10	.38	SILT	SAND
8	2.10	.10	.42	SILT	SAND
8	2.15	.10	.43	SILT	SAND
8	2.20	.11	.48	SILT	SAND
8	2.30	.11	.51	SILT	SAND
8	2.45	.10	.49	SILT	SAND
8	2.50	.11	.55	SILT	SAND
8	2.70	.11	.60	SILT	SAND
8	2.65	.11	.58	SILT	SAND
8	2.40	.11	.53	SILT	SAND
8	2.35	.11	.52	SILT	SAND
8	2.20	.09	.40	SILT	SAND
8	1.45	.09	.26	BOULDER	SAND
8	1.30	.05	.13	BOULDER	SAND
8	.09	.01	.18	SAND	
8	.50	0.00	0.00	SAND	
8				BOULDER	SAND
9	.05			GRAVEL	COBBLE
9	.30	.02	.01	RUBBLE	COBBLE
9	.30	.05	.03	RUBBLE	GRAVEL
9	.50	.04	.04	RUBBLE	COBBLE
9	.65	.05	.07	RUBBLE	COBBLE
9	.65	.08	.10	RUBBLE	COBBLE
9	.75	.08	.12	GRAVEL	RUBBLE
9	1.00	.10	.20	RUBBLE	COBBLE
9	1.30	.08	.21	COBBLE	RUBBLE
9	1.60	.09	.29	COBBLE	SAND
9	1.55	.12	.37	SAND	
9	1.45	.14	.41	SAND	SILT
9	1.45	.08	.23	SAND	SILT
9	1.40	.15	.42	SAND	SILT
9	1.40	.15	.42	SAND	SILT
9	1.40	.18	.50	SAND	SILT
9	1.40	.13	.36	SAND	SILT
9	1.40	.13	.36	SAND	SILT

Table 4-B-12. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
9	1.40	.13	.36	SAND	SILT
9	1.30	.19	.49	SAND	SILT
9	1.35	.15	.41	SAND	SILT
9	1.35	.18	.49	SAND	SILT
9	1.30	.12	.31	SAND	SILT
9	1.30	.15	.39	SAND	SILT
9	1.45	.12	.39	SAND	SILT
9	1.70	.10	.34	SAND	SILT
9	1.80	.10	.36	SAND	SILT
9	2.15	.10	.43	SAND	SILT
9	2.70	.08	.43	SAND	SILT
9	2.35	.02	.09	BOULDER	SILT
9	2.15	.02	.09	BOULDER	SILT
9	1.25	.01	.01	BOULDER	SAND
10	.10	0.00	0.00	SAND	SILT
10	.40	0.00	0.00	SAND	SILT
10	.60	0.00	0.00	SAND	SILT
10	.50	0.00	0.00	SAND	SILT
10	.50	0.00	0.00	SAND	SILT
10	.50	0.00	0.00	SAND	SILT
10	.80	0.00	0.00	SAND	SILT
10	1.05	.05	.11	SAND	SILT
10	1.30	.11	.29	SAND	SILT
10	1.50	.12	.36	SAND	SILT
10	1.80	.15	.54	SAND	SILT
10	2.10	.11	.46	SAND	SILT
10	2.25	.11	.50	SAND	SILT
10	2.60	.11	.57	SAND	SILT
10	2.90	.12	.70	SAND	SILT
10	3.25	.12	.78	SAND	SILT
10	3.55	.11	.78	SAND	SILT
10	3.70	.10	.74	SAND	SILT
10	3.45	.10	.69	SAND	SILT
10	3.20	.11	.70	SAND	SILT
10	2.90	.10	.58	SAND	SILT
10	2.90	.10	.58	SAND	SILT
10	3.00	.09	.54	SAND	SILT
10	2.85	.10	.57	SAND	SILT
10	2.65	.07	.37	SAND	SILT
10	2.45	.05	.25	SAND	SILT
10	1.30	.08	.21	BOULDER	SAND
10	1.30	.02	.02	BOULDER	SAND
10	0.00	0.00	0.00	BOULDER	SAND
A				GRAVEL	RUBBLE
A	.10			GRAVEL	RUBBLE

Table 4-B-12. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
A	.05			GRAVEL	RUBBLE
A	.15	0.00	0.00	GRAVEL	RUBBLE
A	.20	.05	.02	GRAVEL	RUBBLE
A	.15	0.00	0.00	GRAVEL	RUBBLE
A	.35	.20	.14	GRAVEL	RUBBLE
A	.35	.20	.14	GRAVEL	RUBBLE
A	.40	.20	.16	GRAVEL	RUBBLE
A	.50	.25	.25	GRAVEL	COBBLE
A	.60	.25	.30	GRAVEL	COBBLE
A	.60	.35	.42	RUBBLE	COBBLE
A	.70	.25	.35	RUBBLE	COBBLE
A	.80	.30	.48	RUBBLE	COBBLE
A	.80	.40	.64	RUBBLE	COBBLE
A	.65	.45	.59	GRAVEL	BOULDER
A	.80	.45	.72	GRAVEL	RUBBLE
A	.85	.59	1.00	GRAVEL	SAND
A	.90	.62	1.12	GRAVEL	SAND
A	.80	.68	1.09	SAND	
A	.80	.75	1.20	SAND	RUBBLE
A	.75	.70	1.05	SAND	
A	.70	.73	1.02	SAND	
A	.70	.75	1.05	SAND	
A	.70	.62	.87	SAND	
A	.70	.70	.98	SAND	
A	.65	.65	.85	SAND	
A	.65	.55	.72	SAND	
A	.65	.50	.65	SAND	
A	.50	.60	.60	SAND	
A	.55	.50	.55	SAND	
A	.50	.55	.55	SAND	
A	.50	.50	.50	SAND	
A	.40	.35	.28	SAND	
A	.30	.15	.09	SAND	
A				SAND	
B	.15	.12	.03	GRAVEL	RUBBLE
B	.50	.15	.15	GRAVEL	RUBBLE
B	.80	.29	.46	RUBBLE	COBBLE
B	1.10	.30	.66	RUBBLE	COBBLE
B	1.20	.30	.72	RUBBLE	COBBLE
B	1.45	.30	.87	RUBBLE	COBBLE
B	1.50	.40	1.20	RUBBLE	COBBLE
B	1.50	.40	1.20	RUBBLE	BOULDER
B	1.45	.40	1.16	RUBBLE	COBBLE
B	1.45	.40	1.16	RUBBLE	COBBLE
B	1.50	.33	.99	RUBBLE	COBBLE

Table 4-B-12. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
B	1.70	.30	1.02	RUBBLE	BOULDER
B	1.75	.35	1.23	RUBBLE	COBBLE
B	.85	.39	.66	SAND	BOULDER
B	1.50	.35	1.05	SAND	
B	1.30	.40	1.04	SAND	
B	1.30	.40	1.04	SAND	
B	1.15	.40	.92	SAND	
B	1.05	.40	.84	SAND	
B	1.05	.33	.69	SAND	
B	.90	.15	.27	SAND	
B	.60	0.00	0.00	SAND	
B				SAND	
C				SILT	
C	.05			SILT	
C	.10			SILT	
C	.15	0.00	0.00	SILT	
C	.20	.01	0.00	SILT	
C	.20	.01	0.00	SILT	
C	.30	.10	.06	SILT	
C	.30	.10	.06	SILT	
C	.40	.15	.12	SILT	
C	.50	.20	.20	SILT	
C	.80	.20	.32	SILT	
C	1.00	.20	.40	SILT	
C	1.20	.28	.67	SILT	
C	1.30	.25	.65	SILT	
C	1.40	.25	.70	SILT	
C	1.45	.22	.64	SILT	
C	1.45	.22	.64	SILT	
C	1.55	.22	.68	SILT	
C	1.60	.20	.64	SILT	
C	1.70	.20	.68	SILT	
C	1.75	.20	.70	SILT	
C	1.80	.20	.72	SILT	
C	1.80	.20	.72	SILT	
C	1.85	.20	.74	SILT	
C	1.90	.19	.72	SILT	
C	1.90	.15	.57	SILT	
C	1.90	.20	.76	SILT	
C	1.90	.19	.72	SILT	
C	1.90	.19	.72	SILT	
C	1.90	.19	.72	SILT	
C	2.10	.16	.67	SILT	
C	1.75	.13	.46	SILT	
C	1.60	.12	.38	SILT	

Table 4-B-12. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
C	1.50	.12	.36	SILT	
C	1.50	.12	.36	SILT	
C	1.35	.12	.32	SILT	
C	1.30	.13	.34	SILT	
C	1.25	.12	.30	SILT	
C	1.10	.10	.22	SILT	
C	.90	.10	.18	SILT	
C	.80	.10	.16	SILT	
C	.60	0.00	0.00	SILT	
C	.40	0.00	0.00	SILT	
C	.20	0.00	0.00	SILT	
C				SILT	
D				SAND	GRAVEL
D	.20	0.00	0.00		
D	.30	.25	.15	GRAVEL	COBBLE
D	.40	.55	.44	GRAVEL	RUBBLE
D	.30	.55	.33	GRAVEL	RUBBLE
D	.25	1.35	.41	GRAVEL	RUBBLE
D	.20	.90	.22	GRAVEL	RUBBLE
D	.20	.95	.38	GRAVEL	RUBBLE
D	.35	1.65	1.16	GRAVEL	RUBBLE
D	.20	1.40	.56	GRAVEL	RUBBLE
D	.40	2.00	1.60	GRAVEL	RUBBLE
D	.30	1.35	.81	GRAVEL	RUBBLE
D	.30	1.45	.87	GRAVEL	RUBBLE
D	.30	1.35	.81	GRAVEL	RUBBLE
D	.15	.85	.26	GRAVEL	RUBBLE
D	.25	.50	.25	GRAVEL	
D	.15	.40	.12	GRAVEL	
D	.30	1.25	.75	GRAVEL	
D	.20	.60	.24	GRAVEL	
D	.05			GRAVEL	
D	.10			GRAVEL	
D	.15	.40	.12	GRAVEL	
D	.10	.50	.10	GRAVEL	SAND

Table 4-B-13. Hydraulic habitat variables collected
at transects in Slough 9, Sep 18, 1982.

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
1	.95	.05	.10	SAND	RUBBLE
1	1.00	.68	2.70	SAND	RUBBLE
1	2.00	1.05	8.40	SAND	RUBBLE
1	2.00	1.30	10.40	SAND	RUBBLE
1	2.00	1.20	9.60	SAND	RUBBLE
1	2.05	1.25	10.30	SAND	RUBBLE
1	2.05	1.40	11.50	RUBBLE	SAND
1	1.85	1.40	10.40	RUBBLE	SAND
1	2.10	1.65	13.80	COBBLE	SAND
1	1.95	1.45	11.30	SAND	COBBLE
1	1.70	1.70	11.60	SAND	
1	1.90	1.88	14.30	SAND	
1	1.95	1.80	14.00	SAND	
1	1.70	1.80	12.20	SAND	
1	1.50	1.70	10.20	SAND	
1	1.40	1.60	9.00	SAND	
1	1.20	1.32	6.30	SAND	
1	1.10	1.20	5.30	SAND	
1	1.15	1.05	4.80	SAND	
1	1.10	.95	4.20	SAND	
1	1.05	1.05	4.40	SAND	
1	1.00	1.00	4.00	SAND	
1	.95	.85	3.20	SAND	
1	.90	.85	3.10	SAND	
1	.70	.80	3.20	SAND	
1	.40	.50	.80	SAND	RUBBLE
1	.20	.30	.20	SAND	RUBBLE
1	.05	0.00	0.00	SAND	RUBBLE
2	.70	0.00	0.00	SAND	
2	1.00	.42	1.70	SAND	
2	1.40	.55	3.10	SAND	
2	1.90	.91	6.90	SAND	RUBBLE
2	1.95	1.25	9.80	COBBLE	RUBBLE
2	1.90	1.38	10.50	SAND	RUBBLE
2	1.90	1.75	13.30	SAND	RUBBLE
2	2.25	1.90	17.10	SAND	RUBBLE
2	2.10	2.10	17.60	GRAVEL	RUBBLE
2	1.95	2.00	15.60	GRAVEL	RUBBLE
2	2.00	2.45	19.60	GRAVEL	RUBBLE
2	1.65	2.30	15.20	SAND	
2	1.55	2.35	14.60	SAND	
2	1.00	2.60	10.40	SAND	
2	1.30	2.45	12.70	SAND	
2	1.55	1.90	11.80	SAND	RUBBLE

Table 4-B-13. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
2	1.20	2.20	10.60	SAND	COBBLE
2	1.00	1.65	6.60	SAND	COBBLE
2	.95	1.75	6.70	SAND	COBBLE
2	.85	1.40	4.80	SAND	
2	.90	1.20	4.30	SAND	
2	.75	1.05	3.20	SAND	
2	.65	.90	2.30	SAND	
2	.50	.35	.70	SAND	RUBBLE
2	.40	.48	.80	SAND	RUBBLE
2	.10	0.00	0.00	SAND	RUBBLE
2	0.00		0.00	SAND	RUBBLE
4	.10	.25	0.00	COBBLE	
4	.50	.88	1.30	COBBLE	RUBBLE
4	.70	1.65	3.50	COBBLE	RUBBLE
4	1.00	1.65	4.30	COBBLE	
4	1.10	2.00	5.70	COBBLE	
4	1.40	2.15	9.00	COBBLE	GRAVEL
4	1.60	1.85	8.90	COBBLE	GRAVEL
4	1.50	2.35	11.30	COBBLE	GRAVEL
4	1.80	2.10	11.30	SAND	COBBLE
4	1.60	1.63	8.40	SAND	COBBLE
4	1.30	1.60	7.50	SAND	
4	1.60	1.65	9.50	SAND	
4	1.10	1.10	4.40	SAND	
4	1.10	1.15	4.60	SAND	
4	1.20	1.10	4.80	SAND	
4	1.20	1.15	5.20	SAND	
4	1.20	1.28	5.80	SAND	
4	1.20	1.80	8.20	SAND	
4	1.00	1.92	7.50	SAND	
4	1.00	2.35	9.10	SAND	
4	1.50	1.90	10.80	SAND	
4	1.30	1.89	9.30	SAND	RUBBLE
4	1.30	1.50	7.40	SAND	
4	1.30	2.00	9.40	RUBBLE	COBBLE
4	1.10	1.91	7.60	RUBBLE	COBBLE
4	1.10	1.60	7.00	RUBBLE	COBBLE
4	1.10	1.38	6.10	RUBBLE	COBBLE
4	1.00	1.80	6.80	RUBBLE	COBBLE
4	1.10	1.82	7.60	COBBLE	RUBBLE
4	.80	1.75	5.30	BOULDER	COBBLE
4	1.00	1.30	5.20	COBBLE	RUBBLE
4	.90	1.05	3.60	RUBBLE	COBBLE
4	.90	.88	3.00	RUBBLE	COBBLE
4	.60	.52	1.20	COBBLE	RUBBLE

Table 4-B-13. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
4	.60	.62	1.30	RUBBLE	COBBLE
4	.60	.40	.80	RUBBLE	COBBLE
4	.40	.35	.40	COBBLE	RUBBLE
4	.30	.28	.30	COBBLE	RUBBLE
4	.20	.02	0.00	RUBBLE	COBBLE
4	.15	.02	0.00	COBBLE	RUBBLE
6	.70	.02	0.00	COBBLE	
6	.80	.80	2.60	COBBLE	
6	1.10	2.00	8.80	COBBLE	
6	1.20	1.75	8.40	COBBLE	
6	1.10	1.70	7.50	COBBLE	SAND
6	1.00	1.65	6.60	COBBLE	SAND
6	.90	1.50	5.40	SAND	
6	.80	1.58	5.10	SAND	
6	.70	1.38	3.90	SAND	
6	.80	1.12	3.60	SAND	
6	.60	1.25	3.00	SAND	
6	.60	1.20	2.90	SAND	
6	.50	1.20	2.40	SAND	
6	.60	1.12	2.70	SAND	
6	.60	1.55	3.70	SAND	
6	.60	1.48	3.60	SAND	
6	.60	1.42	3.40	SAND	
6	.70	1.35	3.80	SAND	
6	.80	1.28	4.10	SAND	
6	.90	.95	3.40	SAND	
6	.90	1.42	5.10	SAND	
6	1.00	1.75	7.00	SAND	
6	1.20	2.00	9.60	SAND	BOULDER
6	1.30	1.75	9.10	SAND	
6	1.40	1.70	9.50	COBBLE	SAND
6	1.50	2.15	12.90	COBBLE	
6	1.60	2.10	13.40	SAND	COBBLE
6	1.70	2.15	14.60	COBBLE	BOULDER
6	1.90	1.65	12.50	COBBLE	BOULDER
6	2.30	2.05	18.90	COBBLE	BOULDER
6	1.80	1.98	14.30	BOULDER	COBBLE
6	1.60	1.88	12.00	BOULDER	
6	1.50	1.60	9.60	BOULDER	
6	.70	.55	1.50	BOULDER	
6	.50	.70	1.40	COBBLE	BOULDER
7				SAND	
7	.40	.60	.30	SAND	
7	.35	.75	1.10	SAND	
7	.35	.65	.90	SAND	

Table 4-B-13. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
7	.40	.80	1.30	SAND	
7	.50	.85	1.70	SAND	GRAVEL
7	.55	1.05	2.30	GRAVEL	RUBBLE
7	.50	.90	1.80	GRAVEL	RUBBLE
7	.55	.90	2.00	GRAVEL	RUBBLE
7	.75	1.00	3.00	RUBBLE	SAND
7	.80	1.00	4.00	RUBBLE	SAND
7	.95	1.05	4.80	RUBBLE	SAND
7	1.00	1.20	4.80	RUBBLE	SAND
7	.95	1.25	5.40	RUBBLE	SAND
7	1.00	1.35	5.40	RUBBLE	SAND
7	1.10	1.20	5.30	RUBBLE	SAND
7	1.15	1.35	6.20	SAND	RUBBLE
7	1.25	1.35	6.80	SAND	COBBLE
7	1.20	1.30	6.20	SAND	
7	1.30	1.25	6.50	SAND	
7	1.50	1.40	8.40	SAND	
7	1.45	1.25	7.30	SAND	
7	1.30	1.35	7.00	SAND	
7	1.50	1.45	8.70	SAND	
7	1.50	1.40	8.40	SAND	
7	1.50	1.55	9.30	SAND	
7	1.40	1.60	9.00	SAND	
7	1.50	1.40	8.40	SAND	
7	1.50	1.25	7.50	SAND	
7	1.60	1.35	8.60	SAND	
7	1.65	1.25	8.30	SAND	
7	1.80	1.25	9.00	SAND	
7	1.65	1.20	7.90	SAND	
7	1.70	1.20	8.20	SAND	
7	1.65	1.25	8.30	SAND	
7	1.65	1.20	7.90	SAND	
7	1.70	.95	6.50	SAND	
7	1.00	.40	1.60	SAND	COBBLE
8				SAND	
8	.10	0.00	0.00	SAND	
8	.30	.30	.04	SAND	
8	.60	.55	1.30	SAND	
8	.90	.58	2.10	SAND	
8	1.10	.70	3.10	SAND	
8	1.40	.85	4.70	SAND	
8	1.50	1.02	6.10	SAND	
8	1.90	1.02	7.80	SAND	
8	2.40	1.00	9.60	SAND	
8	2.60	1.45	15.10	SAND	

Table 4-B-13. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
8	2.80	1.51	16.90	SAND	
8	2.90	1.58	18.30	SAND	
8	3.30	1.52	20.10	SAND	
8	3.40	1.75	23.80	SAND	
8	3.50	1.78	24.90	SAND	
8	3.60	1.78	25.60	SAND	
8	3.30	1.88	24.80	SAND	
8	3.00	1.45	17.40	SAND	
8	2.80	1.26	14.10	SAND	COBBLE
8	2.45	.65	6.40	SAND	BOULDER
8	.60	.40	1.00		
9				RUBBLE	COBBLE
9	.05	0.00	0.00	RUBBLE	COBBLE
9	.35	.40	.06	RUBBLE	COBBLE
9	.45	.50	.09	RUBBLE	COBBLE
9	.65	.65	1.70	RUBBLE	COBBLE
9	.95	.90	3.40	RUBBLE	COBBLE
9	1.15	.95	4.40	RUBBLE	COBBLE
9	1.40	.85	4.70	RUBBLE	COBBLE
9	1.60	1.30	8.30	RUBBLE	COBBLE
9	1.80	1.40	10.00	RUBBLE	COBBLE
9	2.20	1.90	16.70	SAND	
9	2.30	1.90	17.40	SAND	
9	2.35	2.10	19.70	SAND	
9	2.45	2.15	21.10	SAND	
9	2.35	2.15	20.20	SAND	
9	2.45	1.80	17.60	SAND	
9	2.30	1.80	16.60	SAND	
9	2.20	1.75	15.40	SAND	
9	2.30	1.55	14.30	SAND	
9	2.80	1.42	15.90	SAND	
9	2.90	1.38	16.00	SAND	
9	4.60	1.00	18.40	SAND	BOULDER
9	4.20	.35	5.90	SAND	BOULDER
9	.30	0.00	0.00		
10				SAND	
10	.20	.25	.10	SAND	
10	.60	.62	1.50	SAND	
10	1.30	.75	4.00	SAND	
10	2.00	.90	7.20	SAND	
10	2.50	1.41	14.10	SAND	
10	2.80	1.50	16.80	SAND	
10	2.80	1.49	16.70	SAND	
10	3.00	1.63	19.60	SAND	
10	3.10	1.60	19.80	SAND	

Table 4-B-13. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
10	3.30	1.82	24.00	SAND	
10	3.50	2.04	28.60	SAND	
10	3.40	2.03	27.60	SAND	
10	3.80	1.82	27.70	SAND	
10	3.90	1.71	26.70	SAND	
10	4.30	1.26	21.70	SAND	
10	4.70	.85	16.00	SAND	
10	2.50	.71	7.10	SAND	
10	1.20	.20	1.00	BOULDER	SAND
10	.50	.90	1.80	BOULDER	SAND

Table 4-B-14. Hydraulic habitat variables collected
at transects in Slough 9, Sep 20, 1982.

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
1				SAND	
1	.05	.20	.10	SAND	
1	1.30	.70	3.60	SAND	
1	1.65	1.10	7.30	RUBBLE	
1	1.65	1.00	6.60	COBBLE	SAND
1	1.60	1.25	8.00	COBBLE	SAND
1	1.60	1.32	8.40	COBBLE	SAND
1	1.90	1.15	8.70	RUBBLE	SAND
1	1.50	1.30	7.80	COBBLE	RUBBLE
1	1.80	1.55	11.20	GRAVEL	RUBBLE
1	1.70	1.20	8.20	COBBLE	SAND
1	1.80	1.60	11.50	COBBLE	SAND
1	1.70	1.63	11.10	SAND	
1	1.70	1.50	10.20	SAND	
1	1.50	1.30	7.80	SAND	
1	1.30	1.30	6.80	SAND	
1	1.20	1.15	5.50	SAND	
1	.90	1.10	4.00	SAND	
1	.80	.80	2.60	SAND	
1	.80	1.00	3.20	SAND	
1	.70	.80	2.20	SAND	
1	.70	.90	2.50	SAND	
1	.60	.90	2.20	SAND	
1	.60	.91	2.20	SAND	
1	.60	.80	1.90	SAND	
1	.03	0.00	0.00	COBBLE	SAND
2				SAND	
2	.05	0.00	0.00	SAND	
2	.50	.55	1.00	SAND	
2	1.10	.90	4.00	SAND	
2	1.00	.95	3.80	SAND	
2	1.50	.95	5.70	COBBLE	
2	1.50	.60	3.60	SAND	
2	1.50	.95	5.70	BOULDER	COBBLE
2	1.80	.85	6.10	BOULDER	COBBLE
2	1.60	1.85	11.80	COBBLE	GRAVEL
2	1.50	1.95	11.70	COBBLE	GRAVEL
2	1.60	1.82	11.70	BOULDER	COBBLE
2	1.50	1.95	11.70	BOULDER	COBBLE
2	1.20	1.05	5.00	SAND	
2	1.10	1.20	5.30	SAND	
2	1.20	1.05	5.00	SAND	
2	1.10	1.80	7.90	SAND	
2	1.00	1.95	7.80	SAND	

Table 4-B-14. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
2	.80	1.80	5.80	SAND	
2	.60	1.55	3.70	SAND	
2	.60	1.52	3.70	SAND	
2	.50	1.45	2.90	SAND	
2	.40	.43	.70	SAND	
2	.30	.25	.30	SAND	
2	.20	0.00	0.00	SAND	
4	.05	.38	0.00	COBBLE	RUBBLE
4	.40	.96	1.20	COBBLE	RUBBLE
4	.60	1.30	2.50		
4	1.00	1.15	3.80	RUBBLE	COBBLE
4	1.00	1.25	4.30	COBBLE	RUBBLE
4	1.10	1.65	5.10	RUBBLE	COBBLE
4	1.20	1.40	5.00	COBBLE	GRAVEL
4	1.50	2.15	7.30	SAND	COBBLE
4	1.20	1.72	6.20	GRAVEL	SAND
4	1.10	1.38	4.90	COBBLE	GRAVEL
4	1.00	1.20	4.70	COBBLE	SAND
4	.90	1.21	4.40	SAND	
4	1.00	1.28	5.10	SAND	
4	1.00	1.55	6.00	SAND	
4	1.00	1.60	6.20	SAND	
4	1.00	1.85	7.40	COBBLE	GRAVEL
4	1.10	2.00	8.80	RUBBLE	GRAVEL
4	1.00	1.90	7.60	COBBLE	GRAVEL
4	1.00	2.09	8.40	COBBLE	GRAVEL
4	.80	2.00	6.40	COBBLE	GRAVEL
4	.70	2.40	6.70	COBBLE	RUBBLE
4	.70	2.40	6.70	COBBLE	RUBBLE
4	.50	1.80	3.60	COBBLE	RUBBLE
4	.60	.40	1.00	RUBBLE	COBBLE
4	.70	1.12	3.10	COBBLE	SAND
4	.50	1.20	2.40	COBBLE	RUBBLE
4	.50	.98	2.00	COBBLE	RUBBLE
4	.50	.80	1.60	COBBLE	RUBBLE
4	.50	1.00	2.00	COBBLE	RUBBLE
4	.40	.50	.80	COBBLE	GRAVEL
4	.40	.48	.70	COBBLE	RUBBLE
4	.40	.30	.50	COBBLE	RUBBLE
4	.40	.20	.30	RUBBLE	GRAVEL
4	.10	0.00	0.00	RUBBLE	GRAVEL
4	.05	0.00	0.00	RUBBLE	
4	.05	0.00	0.00	GRAVEL	RUBBLE
6	.50	.32	.60	SAND	
6	.40	.63	1.00	COBBLE	RUBBLE

Table 4-B-14. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
6	.80	1.20	3.80	COBBLE	RUBBLE
6	.90	2.03	7.30	COBBLE	RUBBLE
6	.80	1.92	6.10	COBBLE	SAND
6	.70	1.73	4.80	SAND	COBBLE
6	.50	1.25	2.50	SAND	COBBLE
6	.30	1.20	1.40	SAND	
6	.40	1.20	1.90	SAND	
6	.40	1.23	2.00	SAND	
6	.30	.75	.90	SAND	
6	.20	.20	.10	SAND	
6	.20	1.28	.80	SAND	COBBLE
6	.30	1.40	1.50	COBBLE	SAND
6	.30	.72	.80	COBBLE	
6	.30	.98	1.10	SAND	COBBLE
6	.30	.72	.80	SAND	COBBLE
6	.40	1.00	1.60	SAND	COBBLE
6	.40	.85	1.40	SAND	
6	.40	1.10	1.70	SAND	
6	.60	1.09	2.60	SAND	COBBLE
6	.80	1.30	4.20	SAND	
6	.90	1.38	5.00	SAND	COBBLE
6	.60	1.85	4.40	COBBLE	SAND
6	1.10	1.72	7.60	COBBLE	SAND
6	1.10	2.10	9.20	COBBLE	
6	1.10	1.92	8.50	COBBLE	
6	1.50	1.75	10.50	COBBLE	
6	1.70	1.80	12.20	COBBLE	
6	1.90	1.80	13.70	COBBLE	
6	1.00	2.35	9.40	BOULDER	COBBLE
6	1.20	1.50	7.20	BOULDER	COBBLE
6	1.30	1.60	8.30	BOULDER	COBBLE
6	.50	.60	1.20	COBBLE	
6	.05	0.00	0.00	COBBLE	
7	.05	.25	.04	SAND	
7	.10	.30	.12	SAND	GRAVEL
7	.30	.60	.72	SAND	COBBLE
7	.30	.60	.72	SAND	GRAVEL
7	.20	.78	.62		
7	.40	.78	1.25	RUBBLE	GRAVEL
7	.50	1.09	2.18	SAND	RUBBLE
7	.60	1.05	2.52	SAND	
7	.60	.95	2.28	SAND	COBBLE
7	.60	1.00	2.40	SAND	COBBLE
7	.70	1.10	3.08	SAND	COBBLE
7	.70	1.25	3.50	SAND	COBBLE

Table 4-B-14. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
7	.80	1.20	3.84	SAND	COBBLE
7	.90	1.32	4.75	SAND	
7	1.00	1.32	5.28	SAND	COBBLE
7	1.00	1.45	5.80	SAND	COBBLE
7	1.10	1.28	5.63	SAND	
7	1.20	1.28	6.14	SAND	
7	1.20	1.31	6.29	SAND	
7	1.30	1.40	7.28	SAND	
7	1.30	1.38	7.17	SAND	
7	1.30	1.40	7.28	SAND	
7	1.30	1.35	7.02	SAND	
7	1.20	1.42	6.82	SAND	
7	1.30	1.48	7.70	SAND	
7	1.30	1.38	7.18	SAND	
7	1.30	1.40	7.28	SAND	
7	1.40	1.32	7.39	SAND	
7	1.40	1.21	6.78	SAND	
7	1.40	1.43	8.01	SAND	
7	1.40	1.40	7.04	SAND	
7	1.40	1.25	7.00	SAND	
7	1.40	1.25	7.00	SAND	
7	1.20	.60	2.81	BOULDER	SAND
8	.10	0.00	0.00	SAND	
8	.50	.30	.60	SAND	
8	.70	.48	1.30	SAND	
8	.90	.63	2.30	SAND	
8	1.10	.75	3.30	SAND	
8	1.40	.83	4.60	SAND	
8	1.90	.81	6.20	SAND	
8	2.10	1.00	8.40	SAND	
8	2.40	1.35	13.00	SAND	
8	2.65	1.44	15.30	SAND	
8	2.90	1.60	18.60	SAND	
8	3.00	1.56	18.70	SAND	
8	3.00	1.77	21.20	SAND	
8	2.90	1.91	22.20	SAND	
8	2.70	1.71	18.50	SAND	
8	2.70	1.40	15.10	SAND	
8	2.30	.88	8.10	BOULDER	SAND
8	1.30	0.00	0.00	BOULDER	SAND
9	.10	.08	0.00		
9	.30	.13	.20		
9	.65	.45	1.20		
9	1.00	.65	2.60		
9	1.10	.75	3.30		

Table 4-B-14. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
9	1.30	.98	5.10		
9	1.65	1.13	7.50		
9	2.05	.85	7.00		
9	2.10	1.02	8.60		
9	2.10	1.32	11.10		
9	1.90	1.50	11.40		
9	1.90	1.58	12.00		
9	1.80	1.22	8.80		
9	1.80	1.35	9.70		
9	2.00	1.35	10.80		
9	2.40	1.30	12.50		
9	2.40	1.25	12.00		
9	2.90	.93	11.70		
9	3.30	.50	6.60		
9		0.00	0.00		
10				SAND	SILT
10	.10	.02	0.00	SAND	SILT
10	.80	.39	1.30	SAND	SILT
10	1.60	.58	3.70	SAND	SILT
10	2.00	.78	6.20	SAND	SILT
10	2.20	1.00	8.80	SAND	SILT
10	2.30	1.09	10.00	SAND	SILT
10	2.30	.98	9.00	SAND	SILT
10	2.40	.90	8.60	SAND	SILT
10	2.50	1.15	11.50	SAND	SILT
10	2.80	1.02	11.40	SAND	SILT
10	3.00	1.24	14.80	SAND	SILT
10	3.00	1.07	12.80	SAND	SILT
10	3.10	1.01	12.50	SAND	SILT
10	3.75	.78	11.70	SAND	SILT
10	4.00	.68	10.80	SAND	SILT
10	2.00	.24	0.00	SAND	SILT
10	.70	0.00		SAND	SILT

Table 4-B-15. Hydraulic habitat variables collected
at transects in Slough 21, Sep 02, 1982.

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
1	.05			SAND	
1	.15	0.00	0.00	SAND	
1	.20	0.00	0.00	SAND	
1	.20	0.00	0.00	SAND	
1	.40	0.00	0.00	SAND	
1	.50	.10	.10	SAND	
1	.50	.08	.08	SAND	
1	.60	.06	.07	SAND	
1	.75	.10	.15	SAND	
1	.95	.08	.15	SAND	
1	.95	.10	.19	SAND	
1	1.10	.10	.22	SAND	
1	1.20	.15	.36	SAND	RUBBLE
1	1.00	.10	.20	SAND	
1	1.35	.10	.27	SAND	BOULDER
1	1.60	.10	.32	COBBLE	SAND
1	1.55	.05	.16	SAND	RUBBLE
1	1.50	.10	.30	SAND	
1	1.60	.10	.32	SAND	RUBBLE
1	1.50	.12	.36	RUBBLE	SAND
1	1.50	.02	.06	SAND	COBBLE
1	1.35	.05	.14	SAND	COBBLE
1	1.25	.10	.25	SAND	COBBLE
1	1.15	.02	.05	SAND	COBBLE
1	.85	.05	.09	SAND	BOULDER
1	.95	.02	.04	SAND	BOULDER
1	.45	.08	.07		
1	.85	.10	.17	GRAVEL	BOULDER
1	1.00	.02	.04	GRAVEL	RUBBLE
1	.95	.12	.23	RUBBLE	COBBLE
1	.15	.02	.01	COBBLE	GRAVEL
1	.90	.10	.18	BOULDER	RUBBLE
1			0.00		
1	.55	.08	.09	SAND	COBBLE
1	.55	.12	.13	SAND	COBBLE
1	.50	.02	.02	SAND	BOULDER
1	.70	.10	.14	GRAVEL	COBBLE
1	.90	.15	.27	GRAVEL	RUBBLE
1	.80	.20	.32	BOULDER	GRAVEL
1	1.00	.12	.24	COBBLE	GRAVEL
1	.90	.18	.32	BOULDER	SAND
1	1.00	.10	.20	RUBBLE	SAND
1	.60	.02	.02	SAND	COBBLE
1	.30	0.00	0.00	COBBLE	SAND

Table 4-B-15. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
1	.20	.02	.01	COBBLE	
1	.15	0.00	0.00	COBBLE	SILT
1	.20	0.00	0.00	RUBBLE	COBBLE
1			0.00		
1	.15	0.00	0.00	RUBBLE	SILT
1			0.00		
2	.20	0.00	0.00	RUBBLE	
2	.25	0.00	0.00	RUBBLE	GRAVEL
2	.40	0.00	0.00	RUBBLE	GRAVEL
2	.60	0.00	0.00	GRAVEL	RUBBLE
2	.70	.09	.13	GRAVEL	COBBLE
2	.85	.08	.14	RUBBLE	GRAVEL
2	.80	.08	.13	GRAVEL	RUBBLE
2	.85	.08	.14	RUBBLE	GRAVEL
2	.80	.10	.16	COBBLE	GRAVEL
2	.70	.02	.03	COBBLE	GRAVEL
2	.60	0.00	0.00	COBBLE	GRAVEL
2	.60	0.00	0.00	RUBBLE	SAND
2	.40	0.00	0.00	RUBBLE	GRAVEL
2	.20	0.00	0.00	RUBBLE	COBBLE
2	.10	0.00	0.00	RUBBLE	COBBLE
2	.10	0.00	0.00	RUBBLE	COBBLE
2	.20	0.00	0.00	RUBBLE	BOULDER
2	.20	0.00	0.00	COBBLE	RUBBLE
2	.10	0.00	0.00	GRAVEL	COBBLE
2	.10	0.00	0.00	RUBBLE	COBBLE
2			0.00		
2	.20	0.00	0.00	RUBBLE	
2	.20	.05	.02	COBBLE	RUBBLE
2	.15	0.00	0.00	RUBBLE	COBBLE
2	.10	.15	.15	COBBLE	RUBBLE
2			0.00		
2	.35	.25	.16	RUBBLE	SILT
2	.30	.70	.32	RUBBLE	BOULDER
2	.40	.60	.46	BOULDER	SAND
2	.40	.90	.72	GRAVEL	COBBLE
2	.45	.90	.81	GRAVEL	COBBLE
2	.60	1.10	1.32	GRAVEL	COBBLE
2	.55	.30	.30	RUBBLE	SAND
2	.40	.70	.56	RUBBLE	BOULDER
2	.30	.30	.18	COBBLE	SAND
2	.30	.51	.31	RUBBLE	BOULDER
2	.30	0.00	0.00	GRAVEL	COBBLE
2			0.00		
2	.30	.75	.45	RUBBLE	BOULDER

Table 4-B-15. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
3	.25	0.00	0.00	SILT	
3	.50	.10	.10		
3	.45	.10	.09	SILT	BOULDER
3	.60	.08	.10	SILT	
3	.70	.10	.14	SILT	COBBLE
3	.75	.10	.15	SILT	BOULDER
3	.75	.18	.27	SILT	BOULDER
3	.80	.20	.32	BOULDER	SILT
3	1.00	.20	.40	BOULDER	SILT
3	.70	.10	.12	BOULDER	SILT
3	.45	.20	.18	BOULDER	SILT
3	1.25	.12	.30	RUBBLE	SILT
3	1.00	.15	.30	GRAVEL	RUBBLE
3	1.30	.15	.39	GRAVEL	RUBBLE
3	1.35	.20	.54	SAND	BOULDER
3	.70	.20	.28	BOULDER	SAND
3	1.20	.20	.48	GRAVEL	COBBLE
3	1.15	.10	.23	GRAVEL	COBBLE
3	.90	.10	.18	SAND	
3	.90	.12	.22	SAND	
3	.90	.20	.36	SAND	
3	.80	.10	.16	SAND	RUBBLE
3	.80	.10	.16	SAND	RUBBLE
3	.80	.10	.16	SAND	COBBLE
3	.85	.08	.14	SAND	COBBLE
3	.70	.08	.11	SAND	COBBLE
3	.70	.02	.03	SAND	BOULDER
3	.75	.05	.08	SAND	COBBLE
3	.50	.05	.05	SAND	COBBLE
3	1.00	.05	.10	SAND	BOULDER
3	.15	0.00	0.00	SAND	BOULDER
4	.30	0.00	0.00	SILT	SAND
4	.50	0.00	0.00	SILT	SAND
4	.35	.05	.04	SILT	SAND
4	.20	0.00	0.00	SILT	SAND
4	.20	0.00	0.00	SILT	SAND
4	.20	0.00	0.00	SILT	SAND
4	.25	0.00	0.00	SILT	SAND
4	.20	0.00	0.00	SILT	SAND
4	.20	.05	.02	SILT	SAND
4	.30	.09	.05	SILT	SAND
4	.50	.15	.15	SILT	SAND
4	.50	.24	.24	SILT	SAND
4	.80	.25	.40	SILT	SAND
4	.90	.30	.54	SILT	SAND

Table 4-B-15. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
4	1.10	.30	.66	SILT	SAND
4	1.15	.20	.46	SILT	SAND
4	1.30	.15	.39	SILT	SAND
4	1.40	.12	.34	SILT	SAND
4	1.75	.15	.53	SILT	SAND
4	2.20	.08	.35	SILT	SAND
4	2.35	.08	.38	SILT	SAND
4	2.25	.10	.45	SILT	SAND
4	2.25	.08	.36	SAND	COBBLE
4	1.90	.03	.11	SAND	COBBLE
4	1.70	.03	.10	SAND	COBBLE
4	1.45	0.00	0.00	SAND	COBBLE
4	.90	0.00	0.00	SAND	COBBLE
5	.40	.65	.47	SAND	
5	.40	.40	.32	GRAVEL	RUBBLE
5	.40	.60	.48	GRAVEL	RUBBLE
5	.50	.95	.92	GRAVEL	RUBBLE
5	.65	.35	.46	RUBBLE	COBBLE
5	.40	.72	.58	COBBLE	RUBBLE
5	.70	.15	.21	COBBLE	SAND
5	.50	.40	.40	COBBLE	RUBBLE
5	.60	.22	.26	GRAVEL	RUBBLE
5	.60	.25	.30	GRAVEL	RUBBLE
5	.50	.22	.22	BOULDER	SAND
5	.50	.13	.13	BOULDER	SAND
5	0.00	0.00	0.00	COBBLE	BOULDER
5	0.00	0.00	0.00	COBBLE	BOULDER
5	0.00	0.00	0.00	COBBLE	BOULDER
5	0.00	0.00	0.00	COBBLE	BOULDER
5	.30	.03	.02	COBBLE	BOULDER
5	.40	.10	.08	COBBLE	BOULDER
5	0.00	0.00	0.00	COBBLE	BOULDER
5	.10	.03	.01	RUBBLE	COBBLE
6	.05			GRAVEL	RUBBLE
6	.05			GRAVEL	RUBBLE
6	.10	0.00	0.00	GRAVEL	RUBBLE
6	0.00	0.00	0.00	RUBBLE	COBBLE
6	0.00	0.00	0.00	RUBBLE	COBBLE
6	.10	.12	.02	RUBBLE	COBBLE
6	0.00	0.00	0.00	RUBBLE	COBBLE
6	0.00	0.00	0.00	RUBBLE	COBBLE
6	0.00	0.00	0.00	RUBBLE	COBBLE
6	0.00	0.00	0.00	RUBBLE	COBBLE
6	.10	.18	.04	RUBBLE	COBBLE
6	.15	.60	.18	RUBBLE	COBBLE

Table 4-B-15. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
6	.30	.83	.50	GRAVEL	RUBBLE
6	.35	2.05	1.44	GRAVEL	RUBBLE
6	.40	1.10	.88	GRAVEL	RUBBLE
6	.30	.60	.36	COBBLE	RUBBLE
6	.50	.75	.75	COBBLE	RUBBLE
6	.20	.15	.06	COBBLE	RUBBLE
6	.25	.25	.13	COBBLE	RUBBLE
6	.15	.10	.03	COBBLE	RUBBLE
7	.10		0.00	GRAVEL	RUBBLE
7	.10		0.00	GRAVEL	RUBBLE
7	.35	.22	.15	GRAVEL	RUBBLE
7	.55	.25	.28	GRAVEL	RUBBLE
7	.85	.25	.43	GRAVEL	RUBBLE
7	.90	.35	.63	GRAVEL	RUBBLE
7	1.25	.32	.80	GRAVEL	RUBBLE
7	1.20	.30	.72	GRAVEL	RUBBLE
7	1.35	.25	.68	GRAVEL	RUBBLE
7	1.30	.25	.65	GRAVEL	RUBBLE
7	1.10	.15	.33	COBBLE	
7	.35	.10	.07	BOULDER	SAND
8	.70	0.00	0.00	GRAVEL	RUBBLE
8	.90	0.00	0.00	GRAVEL	RUBBLE
8	.40	0.00	0.00	SAND	
8	.80	.05	.08	SAND	GRAVEL
8	.80	.05	.08	GRAVEL	
8	.65	.05	.07	GRAVEL	
8	.70	.08	.11	GRAVEL	SAND
8	.85	.08	.14	GRAVEL	SAND
8	.80	.09	.14	SAND	GRAVEL
8	.80	.05	.08	SAND	GRAVEL
8	1.20	.05	.12	GRAVEL	
8	1.25	.02	.05	GRAVEL	
8	.95	.05	.10	SAND	
8	.80	.09	.14	SAND	
8	.85	.05	.09	SAND	
8	.95	.05	.10	GRAVEL	SAND
8	1.10	.09	.20	GRAVEL	SAND
8	1.05	.05	.11	SAND	
8	.85	.02	.03	SAND	
8	.90	.01	.02	SAND	
8	.90	.05	.09	SAND	
8	.90	.05	.09	SAND	
8	.80	.08	.13	SAND	
8	.80	.05	.08	SAND	
8	.75	.08	.12	SAND	

Table 4-B-15. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
8	.60	0.00	0.00	SAND	
8	.60	0.00	0.00	SAND	
8	.60	0.00	0.00	SAND	
8	.60	0.00	0.00	SAND	
8	.60	0.00	0.00	SAND	
8	.60	0.00	0.00	SAND	
8	.75	0.00	0.00	SAND	
8	.95	0.00	0.00	SAND	
8	1.20	0.00	0.00	SAND	
8	1.50	.08	.24	SAND	
8	1.40	.08	.22	SAND	
8	1.55	.09	.28	SAND	
8	1.40	.08	.22	SAND	
8	.85	.05	.09	SAND	
8	1.45	.08	.23	SAND	
8	.85	.03	.05	SAND	
8	.75	.03	.05	SAND	
8	.40	0.00	0.00	SAND	
8	.35	0.00	0.00	SAND	
8	.40	0.00	0.00	SAND	
8	.20	0.00	0.00	SAND	
8	.30	0.00	0.00	SAND	
8	.30	0.00	0.00	SAND	
8	.95	.02	.04	SAND	
8	1.00	.20	.40	SAND	
8	1.00	.35	.70	SAND	
8	1.35	.25	.68	SAND	COBBLE
8	1.65	.38	1.25	SAND	COBBLE
8	1.80	.30	1.08	SAND	COBBLE
8	.40	.10	.08	SAND	

Table 4-B-16. Hydraulic habitat variables collected
at transects in Slough 21, Sep 17, 1982.

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
1	.15	.05	.01	COBBLE	SILT
1	.25	.05	.03	COBBLE	SILT
1	.30	.18	.11	SAND	
1	.50	.22	.22	SAND	
1	.50	.21	.21	SAND	
1	.60	.38	.46	SAND	
1	.80	.51	.82	SAND	
1	.90	.50	.90	SAND	
1	1.10	.70	1.45	SAND	
1	1.10	1.00	2.07	SAND	
1	1.25	1.13	2.66	SAND	
1	1.30	1.20	2.93	SAND	
1	1.45	1.25	3.41	SAND	
1	1.55	1.60	4.66	SAND	
1	1.50	1.60	4.51	SAND	
1	1.60	1.50	4.51	SAND	
1	1.60	1.70	5.11	SAND	
1	1.70	1.60	5.11	SAND	
1	1.80	1.80	6.09	SAND	
1	2.00	1.70	6.39	SAND	
1	2.20	1.80	7.45	SAND	
1	2.30	2.20	9.51	SAND	
1	2.40	2.45	11.10	SAND	
1	2.50	2.10	9.87	COBBLE	SAND
1	2.60	1.90	9.29	COBBLE	SAND
1	2.90	1.80	9.82	COBBLE	SAND
1	3.00	1.90	10.30	COBBLE	SAND
1	2.80	2.20	11.10	COBBLE	SAND
1	3.00	2.00	10.80	COBBLE	SAND
1	3.10	1.90	10.60	COBBLE	SAND
1	3.10	1.70	9.49	COBBLE	SAND
1	3.20	1.60	9.22	COBBLE	SAND
1	3.20	1.70	9.79	COBBLE	SAND
1	3.40	1.75	10.70	COBBLE	SAND
1	3.30	1.50	10.10	SAND	COBBLE
1	3.50	1.65	9.45	SAND	COBBLE
1	3.50	1.60	10.40	SAND	COBBLE
1	3.50	1.60	10.10	SAND	COBBLE
1	3.80	1.60	11.90	SAND	RUBBLE
1	3.70	1.60	11.80	SAND	RUBBLE
1	3.70	1.65	12.00	SAND	RUBBLE
1	3.50	1.55	10.30	SAND	RUBBLE
1	3.50	1.55	10.60	COBBLE	
1	3.50	1.50	10.30	COBBLE	

Table 4-B-16. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
1	3.20	1.50	9.60	COBBLE	
1	3.00	1.40	8.40	COBBLE	
1	3.10	1.35	8.37	COBBLE	
1	3.00	1.55	9.30	COBBLE	
1	3.00	1.40	8.40	COBBLE	
1	3.00	1.25	7.50	COBBLE	
1	3.10	1.30	8.06	COBBLE	
1	3.10	1.35	8.37	BOULDER	COBBLE
1	2.80	1.10	6.16	COBBLE	SAND
1	2.70	1.15	6.21	COBBLE	RUBBLE
1	2.90	1.30	7.54	COBBLE	RUBBLE
1	2.70	1.45	7.83	COBBLE	RUBBLE
1	2.70	1.55	8.37	COBBLE	RUBBLE
1	3.00	1.30	7.80	COBBLE	RUBBLE
1	3.00	1.65	9.90	RUBBLE	SAND
1	3.00	1.50	9.00	RUBBLE	SAND
1	3.10	1.40	8.68	RUBBLE	SAND
1	3.10	1.40	8.68	RUBBLE	SAND
1	3.00	1.30	7.80	RUBBLE	SAND
1	2.60	1.35	7.02	RUBBLE	SAND
1	2.40	1.40	6.72	RUBBLE	SAND
1	2.20	1.50	6.60	RUBBLE	SAND
1	2.10	1.40	5.88	RUBBLE	SAND
1	2.00	1.40	5.60	RUBBLE	SAND
1	2.00	1.60	6.40	COBBLE	
1	2.00	1.30	5.20	COBBLE	
1	2.00	1.40	5.60	COBBLE	
1	2.00	1.10	4.40	COBBLE	
1	1.70	1.40	4.76	COBBLE	
1	1.60	.90	2.88	COBBLE	
1	1.50	1.00	3.00	COBBLE	
1	1.20	1.00	2.40	COBBLE	RUBBLE
1	1.40	.90	2.52	COBBLE	RUBBLE
1	1.00	.80	1.60	COBBLE	RUBBLE
1	1.00	.90	1.80	COBBLE	RUBBLE
1	.90	1.00	1.80	COBBLE	RUBBLE
1	1.00	1.00	2.00	COBBLE	RUBBLE
1	1.40	.60	1.68	COBBLE	RUBBLE
1	1.20	.80	1.92	COBBLE	RUBBLE
1	1.30	.50	1.30	COBBLE	RUBBLE
1	1.00	.90	1.80	COBBLE	RUBBLE
1	.70	.50	.70	COBBLE	RUBBLE
1	.80	.40	.64	COBBLE	RUBBLE
1	.40	.20	.16	COBBLE	RUBBLE
1				COBBLE	RUBBLE

Table 4-B-16. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
2	.20	.18	.11	RUBBLE	SAND
2	.40	.70	1.12	RUBBLE	GRAVEL
2	1.00	1.40	5.60	RUBBLE	GRAVEL
2	1.40	2.00	11.20	RUBBLE	GRAVEL
2	1.60	2.00	12.80	RUBBLE	GRAVEL
2	1.80	2.20	15.80	RUBBLE	GRAVEL
2	2.30	2.20	20.20	RUBBLE	GRAVEL
2	2.70	2.70	28.30	RUBBLE	GRAVEL
2	2.30	3.00	26.80	RUBBLE	GRAVEL
2	2.25	2.80	24.40	RUBBLE	GRAVEL
2	2.20	2.60	21.70	RUBBLE	GRAVEL
2	1.80	2.40	16.40	RUBBLE	GRAVEL
2	1.70	2.00	12.90	COBBLE	RUBBLE
2	1.50	3.00	14.40	COBBLE	RUBBLE
2	1.50	1.60	7.68	COBBLE	RUBBLE
2	1.50	2.10	10.10	COBBLE	RUBBLE
2	1.60	2.20	11.30	COBBLE	RUBBLE
2	1.40	2.30	12.20	COBBLE	RUBBLE
2	1.40	1.70	8.57	COBBLE	RUBBLE
2	1.20	1.50	6.48	COBBLE	RUBBLE
2	1.30	1.80	8.42	COBBLE	RUBBLE
2	1.10	1.70	6.73	COBBLE	RUBBLE
2	.80	1.40	3.14	COBBLE	RUBBLE
2	.90	1.30	3.28	COBBLE	RUBBLE
2	1.00	1.50	4.20	COBBLE	RUBBLE
2	1.00	1.10	3.08	COBBLE	RUBBLE
2	1.20	.90	3.02	COBBLE	RUBBLE
2	1.20	1.10	5.28	COBBLE	RUBBLE
2	1.20	.90	3.89	COBBLE	RUBBLE
2	1.30	.70	3.28	COBBLE	RUBBLE
2	1.20	.65	3.12	COBBLE	RUBBLE
2	1.20	.70	3.36	COBBLE	SAND
2	1.10	.80	3.52	COBBLE	RUBBLE
2	1.20	.70	3.36	COBBLE	RUBBLE
2	1.45	.80	4.64	COBBLE	RUBBLE
2	1.50	.95	5.70	COBBLE	RUBBLE
2	1.40	1.15	6.44	COBBLE	RUBBLE
2	1.40	1.40	7.84	COBBLE	RUBBLE
2	1.50	2.80	10.80	COBBLE	RUBBLE
2	1.50	2.10	12.60	COBBLE	RUBBLE
2	1.90	1.70	12.90	COBBLE	RUBBLE
2	2.00	1.85	14.80	COBBLE	RUBBLE
2	2.20	1.90	16.70	COBBLE	RUBBLE
2	2.30	1.65	15.20	COBBLE	RUBBLE
2	2.10	1.65	13.90	COBBLE	RUBBLE

Table 4-B-16. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
2	2.00	1.55	12.40	COBBLE	RUBBLE
2	2.00	1.70	13.60	COBBLE	RUBBLE
2	2.10	1.30	10.90	COBBLE	RUBBLE
2	2.10	1.20	10.10	COBBLE	RUBBLE
2	2.00	.95	7.60	COBBLE	RUBBLE
2	1.50	.73	4.38	BOULDER	RUBBLE
2	1.50	.50	3.00	BOULDER	RUBBLE
2	1.45	.35	2.03	SILT	BOULDER
2	1.40	.40	2.24	SILT	BOULDER
2	.50	0.00	0.00		
3	.50	.10	.07	RUBBLE	SILT
3	1.30	.35	.91	SILT	
3	1.60	.55	1.76	SILT	
3	1.60	.50	1.60	SILT	
3	1.80	.60	2.16	SILT	
3	2.00	.60	2.40	SILT	
3	2.00	.61	2.44	SILT	
3	2.20	.80	3.52	SILT	RUBBLE
3	1.80	.92	6.62	COBBLE	SILT
3	2.20	.96	8.45	COBBLE	SILT
3	2.45	1.30	12.70	COBBLE	SILT
3	2.35	1.15	10.80	COBBLE	SILT
3	2.50	1.15	11.50	COBBLE	SILT
3	2.75	1.28	14.10	COBBLE	SILT
3	2.60	1.10	11.40	SILT	
3	2.60	1.48	15.40	RUBBLE	GRAVEL
3	2.60	1.10	11.40	RUBBLE	GRAVEL
3	1.00	1.50	6.00	BOULDER	
3	2.40	1.10	10.60	RUBBLE	SILT
3	2.20	1.15	10.10	RUBBLE	SILT
3	2.20	.90	7.92	RUBBLE	SILT
3	2.10	.90	7.56	RUBBLE	SILT
3	1.60	.80	5.12	RUBBLE	SILT
3	1.40	.80	4.48	COBBLE	SILT
3	.75	.38	1.14	COBBLE	SILT
4				SAND	
4	.10	0.00	0.00	SAND	
4	1.40	.30	1.68	SAND	
4	1.50	.30	1.80	SAND	
4	1.60	.70	4.48	SAND	
4	1.75	.75	5.25	SAND	
4	1.50	.85	5.10	SAND	
4	1.60	1.10	7.04	SAND	
4	1.70	1.40	9.52	SAND	
4	1.85	1.45	10.70	SAND	

Table 4-B-16. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
4	2.10	1.35	11.30	SAND	
4	2.50	1.33	13.30	SAND	
4	2.60	1.35	13.50	SAND	
4	2.90	1.40	16.20	SAND	
4	3.60	1.33	19.20	SAND	
4	4.00	1.18	18.90	SAND	
4	3.50	.78	10.90	SAND	
4	3.00	.73	8.76	SILT	
4	2.15	.50	4.30	BOULDER	SILT
5				SAND	
5	.20	.18	.10	SAND	
5	.50	.79	1.58	SAND	
5	.60	.90	2.16	SAND	
5	.50	1.00	2.00	SAND	
5	.60	1.10	2.64	SAND	
5	.70	.95	2.66	SAND	
5	.90	.90	3.24	SAND	
5	.90	1.20	4.32	SAND	
5	1.35	1.50	8.10	SAND	
5	1.55	1.40	8.68	SAND	
5	1.90	1.45	11.00	SAND	
5	2.10	1.70	14.30	COBBLE	RUBBLE
5	2.30	1.40	12.90	COBBLE	RUBBLE
5	2.00	1.90	15.20	RUBBLE	GRAVEL
5	2.10	1.65	13.90	RUBBLE	GRAVEL
5	2.10	1.85	15.50	COBBLE	RUBBLE
5	1.90	1.30	9.88	BOULDER	COBBLE
5	1.50	1.25	7.50	COBBLE	RUBBLE
5	1.90	1.20	9.12	COBBLE	RUBBLE
5	2.00	.85	6.80	SILT	RUBBLE
5	1.85	.40	2.96	COBBLE	RUBBLE
5	.50	0.00	0.00	SILT	
6	.30	0.00	0.00	SAND	SILT
6	.70	.15	.42	SAND	SILT
6	.40	.70	1.12	SAND	SILT
6	.70	.95	2.66	SAND	
6	.75	1.10	3.30	SAND	
6	.80	1.50	4.80	SAND	
6	.80	1.40	4.48	SAND	
6	.80	1.60	5.12	SAND	RUBBLE
6	.80	1.50	4.80	SAND	RUBBLE
6	1.00	1.50	6.00	GRAVEL	
6	1.00	1.70	6.80	GRAVEL	RUBBLE
6	1.20	1.65	7.92	GRAVEL	RUBBLE
6	1.40	1.50	8.40	GRAVEL	RUBBLE

Table 4-B-16. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
6	1.30	1.80	9.36	GRAVEL	RUBBLE
6	1.30	1.70	8.84	GRAVEL	RUBBLE
6	1.40	2.40	13.40	GRAVEL	RUBBLE
6	1.50	2.10	12.60	GRAVEL	RUBBLE
6	1.90	2.05	15.60	GRAVEL	RUBBLE
6	1.80	2.40	17.30	GRAVEL	RUBBLE
6	1.40	1.50	8.40	GRAVEL	RUBBLE
6	1.60	.90	5.76	GRAVEL	RUBBLE
6	1.10	.70	3.08	GRAVEL	RUBBLE
6	1.10	.50	2.20	BOULDER	COBBLE
7	.30	.55	4.79	SAND	
7	.50	.70	1.40	SAND	GRAVEL
7	1.20	1.20	5.76	SAND	GRAVEL
7	.70	1.40	3.92	GRAVEL	SAND
7	.70	1.55	4.34	GRAVEL	SAND
7	.70	1.50	4.20	GRAVEL	SAND
7	.90	1.80	6.48	GRAVEL	SAND
7	.90	1.80	6.48	GRAVEL	
7	1.20	2.00	9.60	GRAVEL	
7	1.40	1.90	10.60	GRAVEL	RUBBLE
7	2.10	1.70	14.30		
7	2.40	2.45	23.50	COBBLE	RUBBLE
7	2.45	2.50	24.50	COBBLE	RUBBLE
7	2.50	1.95	19.50	COBBLE	RUBBLE
7	1.90	.75	5.70	COBBLE	RUBBLE

Table 4-B-17. Hydraulic habitat variables collected
at transects in Slough 21, Sep 19, 1982.

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
1	.20	0.00	0.00	SAND	SILT
1	.30	0.00	0.00	SAND	SILT
1	.45	0.00	0.00	SAND	SILT
1	.75	.05	.15	SAND	SILT
1	.95	.05	.19	SAND	SILT
1	1.10	.10	.44	SAND	SILT
1	1.60	0.00	0.00	SAND	RUBBLE
1	1.65	0.00	0.00	SAND	RUBBLE
1	1.70	0.00	0.00	SAND	SILT
1	1.90	0.00	0.00	SAND	SILT
1	2.00	0.00	0.00	SAND	SILT
1	2.20	.05	.44	SAND	SILT
1	2.40	0.00	0.00	SAND	RUBBLE
1	2.30	.05	.46	SAND	COBBLE
1	2.30	.10	.92	SAND	COBBLE
1	2.10	.15	1.26	RUBBLE	GRAVEL
1	1.80	.10	.72	RUBBLE	GRAVEL
1	1.80	.10	.72	COBBLE	RUBBLE
1	1.70	.15	1.02	COBBLE	RUBBLE
1	1.70	.10	.68	RUBBLE	COBBLE
1	1.40	.10	.56	BOULDER	COBBLE
1	1.40	.15	.84	COBBLE	RUBBLE
1	1.70	.15	1.02	COBBLE	RUBBLE
1	1.90	.10	.76	COBBLE	RUBBLE
1	1.60	.05	.32	RUBBLE	SAND
1	1.00	0.00	0.00	COBBLE	
1	1.20	0.00	0.00	COBBLE	SAND
1	.50	0.00	0.00	BOULDER	COBBLE
1	.80	0.00	0.00	COBBLE	RUBBLE
1	.50	0.00	0.00	COBBLE	RUBBLE
1	.20	0.00	0.00	COBBLE	RUBBLE
1	.20	0.00	0.00	BOULDER	COBBLE
2	.05	0.00	0.00	RUBBLE	GRAVEL
2	.10	0.00	0.00	RUBBLE	GRAVEL
2	.40	0.00	0.00	RUBBLE	GRAVEL
2	.80	0.00	0.00	RUBBLE	GRAVEL
2	.95	0.00	0.00	COBBLE	RUBBLE
2	1.00	0.00	0.00	COBBLE	RUBBLE
2	.80	0.00	0.00	COBBLE	RUBBLE
2	.55	0.00	0.00	RUBBLE	GRAVEL
2	.35	0.00	0.00	COBBLE	RUBBLE
2	.30	0.00	0.00	COBBLE	RUBBLE
2	.20	0.00	0.00	COBBLE	RUBBLE
2	.20	0.00	0.00	RUBBLE	GRAVEL

Table 4-B-17. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
2	.30	0.00	0.00	COBBLE	RUBBLE
2	.25	0.00	0.00	RUBBLE	COBBLE
2	.20	0.00	0.00	RUBBLE	COBBLE
2	0.00	0.00	0.00	COBBLE	RUBBLE
2				COBBLE	RUBBLE
2				COBBLE	RUBBLE
2	.15	0.00	0.00	COBBLE	RUBBLE
2	.25	.15	.15	COBBLE	RUBBLE
2	.40	.10	.16	COBBLE	RUBBLE
2	.05	0.00	0.00	COBBLE	RUBBLE
2	.30	.15	.18	COBBLE	RUBBLE
2	.35	.40	.56	COBBLE	RUBBLE
2	.60	.45	1.08	COBBLE	RUBBLE
2	.90	.45	1.62	COBBLE	RUBBLE
2	1.10	.40	1.76	COBBLE	RUBBLE
2	.90	.45	1.62	COBBLE	RUBBLE
2	1.00	.25	1.00	COBBLE	RUBBLE
2	.80	.35	1.12	BOULDER	COBBLE
2	.70	.30	.84	BOULDER	COBBLE
2	.70	.10	.28	BOULDER	COBBLE
2	.50	.10	.20	COBBLE	RUBBLE
2	.30	.10	.12	GRAVEL	SAND
2	.20	0.00	0.00	BOULDER	COBBLE
2	.20	0.00	0.00	SILT	COBBLE
2	.30	0.00	0.00	SILT	COBBLE
2	.20	0.00	0.00	SILT	BOULDER
3				SILT	
3	.35	.02	.01	SILT	
3	.35	.10	.07	SILT	
3	.55	.05	.06	SILT	
3	.55	.10	.11	SILT	
3	.70	.10	.14	SILT	
3	1.00	.05	.10	SILT	COBBLE
3	.95	.10	.19	SILT	RUBBLE
3	.90	.04	.07	SILT	RUBBLE
3	.70	.02	.03	COBBLE	SILT
3	.90	.10	.18	SILT	
3	1.15	.12	.28	RUBBLE	SILT
3	1.20	.20	.48	COBBLE	RUBBLE
3	1.40	.15	.42	COBBLE	RUBBLE
3	1.15	.15	.35	COBBLE	SILT
3	1.35	.20	.54	SILT	BOULDER
3	1.05	.20	.42	SILT	BOULDER
3	1.50	.20	.60	SILT	RUBBLE
3	1.55	.20	.62	SILT	GRAVEL

Table 4-B-17. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
3	1.45	.15	.44	SILT	GRAVEL
3	1.20	.15	.36	SILT	BOULDER
3	1.25	.18	.45	SILT	
3	1.30	.20	.52	RUBBLE	GRAVEL
3	1.10	.05	.11	RUBBLE	SILT
3	1.40	.22	.62	RUBBLE	
3	1.30	.20	.52	RUBBLE	
3	1.30	.13	.34	RUBBLE	
3	1.20	.18	.43	SILT	RUBBLE
3	1.10	.15	.33	SILT	RUBBLE
3	1.05	.18	.38	SILT	RUBBLE
3	1.20	.16	.38	SILT	COBBLE
3	1.30	.14	.36	COBBLE	RUBBLE
3	1.00	.10	.20	SILT	COBBLE
3	1.10	.10	.22	SILT	COBBLE
3	.90	.10	.18	SILT	COBBLE
3	.80	.01	.02	COBBLE	SILT
3	.40	0.00	0.00	COBBLE	SILT
3	.30	0.00	0.00	COBBLE	SILT
3	.20	0.00	0.00	COBBLE	SILT
4	.15	.05	.02	SILT	
4	.20	.07	.03	SILT	
4	.20	.03	.01	SILT	
4	.30	0.00	0.00	SILT	
4	.45	0.00	0.00	SILT	
4	.50	.05	.05	SILT	
4	.40	0.00	0.00	SILT	
4	.25	.02	.01	SILT	
4	.25	.05	.03	SILT	
4	.30	.08	.05	SILT	
4	.40	.10	.08	SILT	
4	.50	.10	.10	SILT	
4	.45	.15	.14	SILT	
4	.50	.16	.16	SILT	
4	.65	.21	.27	SILT	
4	.80	.23	.37	SILT	
4	1.05	.21	.44	SILT	
4	1.20	.20	.48	SILT	
4	1.30	.20	.52	SILT	
4	1.40	.20	.56	SILT	
4	1.50	.19	.57	SILT	
4	1.75	.15	.53	SILT	
4	2.00	.15	.60	SILT	
4	2.30	.19	.87	SILT	
4	2.60	.18	.94	SILT	

Table 4-B-17. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
4	2.80	.17	.95	SILT	
4	2.55	.13	.66	SILT	
4	2.35	.10	.47	SILT	
4	2.00	.06	.24	SILT	BOULDER
4	1.70	.05	.17	SILT	BOULDER
4	1.40	.01	.03	BOULDER	SILT
4	0.00	.07	.08	COBBLE	SILT
5	0.00				
5	.05	0.00	0.00	SILT	
5	.20	.10	.04	SILT	
5	.30	.28	.17	SILT	
5	.50	.30	.30	SILT	
5	.60	.35	.42	SILT	
5	.70	.42	.59	SILT	
5	.60	.40	.48	BOULDER	SAND
5	1.10	.61	1.34	SAND	COBBLE
5	1.10	.43	.99	BOULDER	COBBLE
5	.85	.46	.78	BOULDER	COBBLE
5	.75	.41	.62	BOULDER	COBBLE
5	.80	.42	.67	BOULDER	COBBLE
5	.90	.45	.81	BOULDER	COBBLE
5	.95	.30	.57	GRAVEL	COBBLE
5	.85	.12	.20	COBBLE	BOULDER
5	.85	.05	.09	COBBLE	BOULDER
5	.70	.05	.07	COBBLE	BOULDER
5	.30	.02	.01	COBBLE	BOULDER
5	.40	.18	.14	COBBLE	BOULDER
5	.45	.12	.11	COBBLE	BOULDER
5	.60	.12	.14	COBBLE	BOULDER
5	.70	.20	.28	COBBLE	BOULDER
5	.70	.05	.07	COBBLE	SILT
5	.60	.18	.22	SILT	COBBLE
5	.40	.20	.16		
6	.04				
6	.05	0.00	0.00	GRAVEL	RUBBLE
6	.10	.10	.02	GRAVEL	RUBBLE
6	.20	.20	.08	GRAVEL	RUBBLE
6	.30	.84	.48	GRAVEL	RUBBLE
6	.30	.75	.45	RUBBLE	COBBLE
6	.25	.29	.15	RUBBLE	COBBLE
6	.20	.37	.15	RUBBLE	COBBLE
6	.20	.40	.16	RUBBLE	COBBLE
6	.10	.05	.01	RUBBLE	COBBLE
6	.10	.40	.08	RUBBLE	COBBLE
6	.20	.20	.08	RUBBLE	COBBLE

Table 4-B-17. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
6	.20	.40	.16	RUBBLE	COBBLE
6	.20	.38	.12	RUBBLE	COBBLE
6	.40	1.30	1.04	RUBBLE	COBBLE
6	.45	1.75	1.58	RUBBLE	COBBLE
6	.70	2.10	2.94	RUBBLE	COBBLE
6	.65	1.20	1.56	RUBBLE	COBBLE
6	.70	.50	.70	RUBBLE	COBBLE
6	.60	.50	.60	RUBBLE	COBBLE
6	.40	.38	.30	RUBBLE	COBBLE
6	.40	.20	.16	RUBBLE	COBBLE
6	.30	.60	.36	RUBBLE	COBBLE
6	.10	.05	.01	RUBBLE	COBBLE
6	.10	0.00	0.00	BOULDER	RUBBLE
6	.10	0.00	0.00	BOULDER	RUBBLE
7	.10	0.00	0.00	GRAVEL	RUBBLE
7	.20	.12	.05	GRAVEL	RUBBLE
7	.30	.20	.12	GRAVEL	RUBBLE
7	.50	.29	.29	GRAVEL	RUBBLE
7	.90	.35	.63	COBBLE	RUBBLE
7	1.00	.38	.76	COBBLE	RUBBLE
7	1.00	.32	.64	COBBLE	RUBBLE
7	1.30	.55	1.43	COBBLE	RUBBLE
7	1.60	.55	1.76	COBBLE	RUBBLE
7	1.65	.50	1.65	COBBLE	RUBBLE
7	1.50	.35	1.05	RUBBLE	BOULDER
7	1.50	.20	.60	BOULDER	RUBBLE
7	.50	.25	.25	BOULDER	RUBBLE
8	.80	.75	.96	GRAVEL	RUBBLE
8	.80	.35	.48	GRAVEL	RUBBLE
8	.70	.20	.24	GRAVEL	
8	1.00	.01	.02	GRAVEL	
8	1.10	.10	.09	GRAVEL	
8	1.20	.10	0.00	GRAVEL	
8	1.20	.11	0.00	GRAVEL	
8	1.10	.11	0.00	GRAVEL	
8	1.10	.10	0.00	GRAVEL	
8	1.10	.10	0.00	GRAVEL	
8	1.25	.08	0.00	SAND	GRAVEL
8	1.30	.10	0.00	SAND	GRAVEL
8	1.35	.12	0.00	SAND	
8	1.30	.12	0.00	SAND	GRAVEL
8	1.30	.08	0.00	SAND	GRAVEL
8	1.30	.08	0.00	SAND	GRAVEL
8	1.40	.15	0.00	SAND	GRAVEL
8	1.70	.15	0.00	SAND	GRAVEL

Table 4-B-17. (Continued).

TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	FLOW (cfs)	SUBSTRATE	
				PRIMARY	SECONDARY
8	1.70	.15	0.00	SAND	GRAVEL
8	1.80	.15	0.00	SAND	GRAVEL
8	1.95	.15	0.00	SAND	GRAVEL
8	2.00	.12	0.00	SAND	
8	2.10	.12	0.00	SAND	
8	2.30	.10	0.00	SAND	
8	2.40	.28	0.00	SAND	
8	2.35	.01	0.00	SAND	
8	2.20	.08	0.00	SAND	
8	2.10	.05	0.00	SAND	BOULDER
8	2.10	.10	0.00	SAND	
8	1.90	.12	0.00	SAND	
8	1.80	.10	.34	SAND	
8	2.80	.30	1.60	SAND	
8	1.50	.05	.14	SAND	
8	1.40	.15	.39	SAND	
8	1.30	.10	.24	SAND	
8	1.20	.20	.36	SAND	
8	1.30	.10	.18	SAND	
8	1.60	.35	.78	SAND	
8	1.50	.15	.14	SAND	
8	1.40	.25	.21	SAND	
8	1.45	.22	.13	SAND	
8	1.20	.42	0.00	SAND	
8	1.20	.30	0.00	SAND	
8	.80	.40	0.00	SAND	
8	1.20	.10	.02	SAND	
8	1.00	.20	.04	SAND	
8	.85	.15	.03	SAND	
8	.50	.20	.08	SAND	
8	.75	.15	1.80	SAND	
8	1.15	.30	.55	SAND	
8	1.10	.32	.68	SAND	
8	1.50	.30	.87	SAND	COBBLE
8	1.10	.32	.68	GRAVEL	RUBBLE
8	1.80	.30	1.08	BOULDER	RUBBLE
8	.70	.20	.28	SAND	

Appendix Table 4-B-18. Depths (ft) and velocities (ft/sec) associated with chum salmon redds in four sloughs at three discharges (Q, cfs) in 1982.

		Depth				Velocity			
		<u>Q₁*</u>	<u>Q₂**</u>	<u>Q₃***</u>	<u>Average</u>	<u>Q₁*</u>	<u>Q₂**</u>	<u>Q₃***</u>	<u>Average</u>
Slough 8A	$\bar{x}$	0.67	0.72		0.70	0.03	0.36		0.30
	Range	0.30-1.30	0.20-1.60		0.20-1.60	0.00-1.45	0.05-0.72		0.00-1.45
	N	26	11		37	26	11		37
	Q (cfs)	4	7			4	7		
Slough 9	$\bar{x}$	1.24	1.27		1.25	0.13	0.16		0.14
	Range	0.30-2.40	0.40-2.10		0.30-2.4	0.05-0.40	0.00-0.78		0.00-0.78
	N	28	20		48	28	20		48
	Q (cfs)	3	8			3	8		
Slough 11	$\bar{x}$		1.21	1.33	1.28		0.13	0.45	.32
	Range		0.60-2.20	0.55-2.10	.55-2.20		0.00-0.61	0.05-1.00	0.00-1.00
	N		6	9	15		6	9	15
	Q (cfs)								
Slough 21	$\bar{x}$		1.02		1.02		0.22		0.22
	Range		0.40-2.60		0.40-2.60		0.00-1.10		0.00-1.10
	N		33		33		33		33
	Q (cfs)		5				5		

*Q₁ = 25-26 August**Q₂ = 2-7 September***Q₃ = 20 September

Table 4-B-19. Depths (ft) and velocities (ft/sec) associated with pink salmon and sockeye salmon redds in three sloughs at three discharges (Q , cfs) in 1982.

PINK SALMON									
		<u>Depth</u>				<u>Velocity</u>			
		<u>Q_1^*</u>	<u>Q_2^{**}</u>	<u>Q_3^{***}</u>	<u>Average</u>	<u>Q_1^*</u>	<u>Q_2^{**}</u>	<u>Q_3^{***}</u>	<u>Average</u>
Slough 8A	$\bar{x}$	0.30			0.30	0.80			0.80
	Range	-			-	-			-
	N	1			1	1			1
	Q	4			4	4			4
Slough 9	$\bar{x}$	0.68			0.68	0.25			0.25
	Range	0.55-0.80			0.55-0.80	0.20-0.30			0.20-0.30
	N	2			2	2			2
	Q	3			3	3			3
SOCKEYE SALMON									
		<u>Depth</u>				<u>Velocity</u>			
		<u>Q_1^*</u>	<u>Q_2^{**}</u>	<u>Q_3^{***}</u>	<u>Average</u>	<u>Q_1^*</u>	<u>Q_2^{**}</u>	<u>Q_3^{***}</u>	<u>Average</u>
Slough 9	$\bar{x}$	0.5			0.5	0.05			0.05
	Range	-			-	-			-
	N	1			1	1			1
	Q	7			7	7			7
Slough 11	$\bar{x}$	0.85	1.51	1.48		0.00	0.23		.22
	Range	-	0.75-2.80	0.75-2.80		-	0.00-0.80		0.00-0.80
	N	1	22	23		1	22		23
	Q	-	-	-		-	-		-

* Q_1 = 25-26 August** Q_2 = 2-7 September*** Q_3 = 20 September

Table 4-B-20. Hydraulic habitat variables collected at chum redds. (Transect number indicates the transect area in which the redd was located).

LOCATION	DATE	TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	SUBSTRATE		INTRAGRAVEL	SURFACE WATER	REDD NUMBER
					PRIMARY	SECONDARY	TEMPERATURE (°C)	TEMPERATURE (°C)	
SLOUGH 8A	820826	OC	.50	1.45	GRAVEL	RUBBLE	11.4	12.6	C03
SLOUGH 8A	820826	OC	.80	0.00	GRAVEL	RUBBLE	11.2	13.0	C02
SLOUGH 8A	820826	OC	.40	.10	GRAVEL	RUBBLE		13.2	C04
SLOUGH 8A	820826	OC	.30	.05	GRAVEL	RUBBLE		13.2	C15
SLOUGH 8A	820826	OC	.40	.05	GRAVEL	RUBBLE		13.2	C14
SLOUGH 8A	820826	OC	.50	.10	GRAVEL	COBBLE		12.8	C13
SLOUGH 8A	820826	OC	1.00	.10	GRAVEL	RUBBLE		13.2	C11
SLOUGH 8A	820826	OC	1.10	.10	GRAVEL	RUBBLE		13.2	C09
SLOUGH 8A	820826	OC	1.10	.10	GRAVEL	RUBBLE		13.2	C08
SLOUGH 8A	820826	OC	1.10	.10	GRAVEL	RUBBLE		13.2	C07
SLOUGH 8A	820826	OC	1.00	.10	GRAVEL	RUBBLE		13.1	C06
SLOUGH 8A	820826	OC	.60	.15	GRAVEL	RUBBLE		13.0	C05
SLOUGH 8A	820826	OC	.60	.10	GRAVEL	RUBBLE		13.2	C10
SLOUGH 8A	820826	OC	.90	.10	GRAVEL	RUBBLE		13.0	C01
SLOUGH 8A	820826	OC	.40	.10	GRAVEL	RUBBLE		13.0	C12
SLOUGH 8A	820826	BC	.30	.03	GRAVEL	RUBBLE		12.4	C22
SLOUGH 8A	820826	BC	.50	0.00	GRAVEL	RUBBLE		12.4	C21
SLOUGH 8A	820826	BC	.45	1.05	GRAVEL	RUBBLE		12.4	C16
SLOUGH 8A	820826	BC	.50	.55	RUBBLE	GRAVEL		12.4	C18
SLOUGH 8A	820826	BC	.45	.75	RUBBLE	GRAVEL		12.0	C17
SLOUGH 8A	820826	BC	.30	.72	GRAVEL	RUBBLE		12.4	C19
SLOUGH 8A	820826	BC	.35	.05	RUBBLE	GRAVEL			C23
SLOUGH 8A	820826	BC	.40	.90	RUBBLE	GRAVEL		12.0	C24
SLOUGH 8A	820826	BC	1.30	.18	RUBBLE	GRAVEL		12.0	C25
SLOUGH 8A	820826	BC	1.05	.18	RUBBLE	GRAVEL		11.5	C26
SLOUGH 8A	820826	BC	1.00	.19	RUBBLE	GRAVEL		11.0	C27

Table 4-B-20. (Continued).

LOCATION	DATE	TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	SUBSTRATE		INTRAGRAVEL TEMPERATURE (°C)	SURFACE WATER TEMPERATURE (°C)	REDD NUMBER
					PRIMARY	SECONDARY			
SLOUGH 8A	820906		1.60	.10	GRAVEL	RUBBLE		7.6	C40
SLOUGH 8A	820906		1.00	.05	GRAVEL	RUBBLE	5.1	7.6	C41
SLOUGH 8A	820906		.60	.30	GRAVEL	RUBBLE	6.7	7.6	C42
SLOUGH 8A	820906		.80	.33	RUBBLE	GRAVEL	4.9	7.6	C43
SLOUGH 8A	820906		.70	.20	GRAVEL	COBBLE	6.1	7.6	C44
SLOUGH 8A	820906		.60	.65	RUBBLE	COBBLE		7.6	C45
SLOUGH 8A	820906		.50	.45	GRAVEL	RUBBLE	4.9	7.6	C46
SLOUGH 8A	820906		.20	.20	RUBBLE	GRAVEL	5.7	7.6	C47
SLOUGH 8A	820906		.70	.40	GRAVEL	RUBBLE	6.9	7.6	C48
SLOUGH 8A	820906		.90	.55	RUBBLE	COBBLE	5.2	7.6	C49
SLOUGH 8A	820906		.40	.72	GRAVEL	RUBBLE		7.6	C50
SLOUGH 9	820825	02						8.8	C01
SLOUGH 9	820826	02	.60	.40	COBBLE	GRAVEL	3.8	8.2	C01
SLOUGH 9	820826	02	.80	.10	COBBLE	GRAVEL	4.0	7.6	C02
SLOUGH 9	820826	02	.70	.10	COBBLE	GRAVEL	3.4	7.6	C03
SLOUGH 9	820826	02	.90	.05	COBBLE	GRAVEL	4.2	7.8	C04
SLOUGH 9	820826	02			COBBLE	GRAVEL			C05
SLOUGH 9	820826	01	1.10	.10	RUBBLE	GRAVEL	3.9	8.8	C06
SLOUGH 9	820826	01	.75	.10	COBBLE	GRAVEL	4.8	9.8	C27
SLOUGH 9	820826	01	1.90	.05	COBBLE	GRAVEL	4.4	8.8	C26
SLOUGH 9	820826	01	1.90	.05	RUBBLE	GRAVEL	4.5	9.4	C07
SLOUGH 9	820826	01	1.80	.10	GRAVEL	RUBBLE	5.2	9.8	C08
SLOUGH 9	820826	01	1.25	.10	COBBLE	GRAVEL	4.3	9.4	C09
SLOUGH 9	820826	01	1.30	.10	GRAVEL	RUBBLE	4.7	9.2	C10

4-B-92

Table 4-B-20. (Continued).

LOCATION	DATE	TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	SUBSTRATE		INTRAGRAVEL TEMPERATURE (°C)	SURFACE WATER TEMPERATURE (°C)	REDD NUMBER
					PRIMARY	SECONDARY			
4-B-93	SLOUGH 9	820826	01	1.40	.10	COBBLE GRAVEL	4.7	9.4	C11
	SLOUGH 9	820826	01	1.50	.10	RUBBLE GRAVEL	6.0	9.2	C12
	SLOUGH 9	820826	01	1.70	.15	GRAVEL RUBBLE	5.4	9.4	C13
	SLOUGH 9	820826	01	1.10	.15	RUBBLE GRAVEL	4.0	9.2	C14
	SLOUGH 9	820826	01	1.10	.15	RUBBLE GRAVEL	4.5	9.2	C15
	SLOUGH 9	820826	01	1.30	.20	RUBBLE GRAVEL	4.5	9.6	C16
	SLOUGH 9	820826	01	.70	.10	COBBLE GRAVEL	5.4	10.0	C17
	SLOUGH 9	820826	0C	1.70	.15	RUBBLE GRAVEL	3.9	11.0	C19
	SLOUGH 9	820826	0C	1.80	.10	BOULDER COBBLE	3.5	10.2	C20
	SLOUGH 9	820826	0C	1.50	.10	COBBLE RUBBLE	4.0	9.6	C21
	SLOUGH 9	820826	0C	2.40	.10	COBBLE GRAVEL	4.4	10.4	C22
	SLOUGH 9	820826	0C	1.40	.15	COBBLE GRAVEL	6.3	10.1	C25
	SLOUGH 9	820905		1.70	0.00	GRAVEL RUBBLE	8.2	8.7	C46
	SLOUGH 9	820905		2.10	.02	GRAVEL RUBBLE	8.2	8.9	C47
	SLOUGH 9	820905		2.10	.02	GRAVEL RUBBLE	7.8	8.9	C28
	SLOUGH 9	820905		1.20	.10	COBBLE RUBBLE	6.4	8.8	C29
	SLOUGH 9	820905		1.30	.11	COBBLE RUBBLE	5.9	8.6	C30
	SLOUGH 9	820905		1.00	.08	RUBBLE COBBLE	6.0	8.8	C31
	SLOUGH 9	820905		1.05	.11	RUBBLE COBBLE	6.1	8.8	C32
	SLOUGH 9	820905		1.30	.10	COBBLE RUBBLE	6.1	8.9	C33
	SLOUGH 9	820905		1.30	.10	RUBBLE COBBLE	7.0	9.0	C34
	SLOUGH 9	820905		1.30	.05	COBBLE RUBBLE	6.1	8.8	C35
	SLOUGH 9	820905		.75	.17	GRAVEL RUBBLE	4.6	8.4	C36
	SLOUGH 9	820905		.50	.41	GRAVEL RUBBLE	5.5	8.8	C37
	SLOUGH 9	820905		.40	.78	GRAVEL RUBBLE	4.2	8.8	C38
	SLOUGH 9	820905		1.80	.14	RUBBLE GRAVEL		9.0	C39

Table 4-B-20. (Continued).

LOCATION	DATE	TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	SUBSTRATE		INTRAGRAVEL TEMPERATURE (°C)	SURFACE WATER TEMPERATURE (°C)	REDD NUMBER
					PRIMARY	SECONDARY			
SLOUGH 9	820905		1.60	.21	RUBBLE	GRAVEL		9.0	C40
SLOUGH 9	820905		1.25	.22	RUBBLE	COBBLE		8.8	C41
SLOUGH 9	820905		1.25	.14	COBBLE	GRAVEL		8.6	C42
SLOUGH 9	820905		1.40	.20	COBBLE	GRAVEL		8.6	C43
SLOUGH 9	820906		1.10	.20	GRAVEL	COBBLE		7.0	C44
SLOUGH 9	820906		1.00	.11	GRAVEL	COBBLE		6.6	C45
SLOUGH 11	820905		.60	.15	GRAVEL	RUBBLE	5.0	7.1	
SLOUGH 11	820905		.70	.61	GRAVEL	RUBBLE	6.1	7.0	
SLOUGH 11	820905		.80	0.00	RUBBLE	GRAVEL		7.0	
SLOUGH 11	820905		2.20	0.00	GRAVEL	COBBLE	4.3	6.8	
SLOUGH 11	820905		.85	0.00	COBBLE	RUBBLE	4.3	6.8	
SLOUGH 11	820905		2.10	0.00	COBBLE	GRAVEL	4.1	7.0	
SLOUGH 11	820920		1.45	.12	COBBLE	GRAVEL	4.6		C01
SLOUGH 11	820920		2.10	.20	GRAVEL	RUBBLE	4.3		C02
SLOUGH 11	820920		2.05	.05	GRAVEL	RUBBLE	4.9		C03
SLOUGH 11	820920		1.20	.45	GRAVEL	RUBBLE	4.5		C04
SLOUGH 11	820920		1.35	.70	GRAVEL	RUBBLE	4.4		C05
SLOUGH 11	820920		.90	.75	GRAVEL	RUBBLE	5.0		C06
SLOUGH 11	820920		.60	1.00	GRAVEL	RUBBLE			C07
SLOUGH 11	820920		.55	.70	GRAVEL	COBBLE	5.5		C08
SLOUGH 11	820920		1.80	.09	GRAVEL	COBBLE	3.1		C09
SLOUGH 21	820903	08	1.00	0.00	GRAVEL	RUBBLE	5.5	6.6	001
SLOUGH 21	820903	08	1.15	0.00	GRAVEL	RUBBLE	4.9	6.3	002

Table 4-B-20. (Continued).

LOCATION	DATE	TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	SUBSTRATE		INTRAGRAVEL TEMPERATURE (°C)	SURFACE WATER TEMPERATURE (°C)	REDD NUMBER
					PRIMARY	SECONDARY			
SLOUGH 21	820903	08	1.40	0.00	GRAVEL	RUBBLE	4.7	6.3	003
SLOUGH 21	820903	08	2.00	.43	BOULDER	COBBLE	4.5	5.1	004
SLOUGH 21	820903	07	1.30	0.00	RUBBLE	COBBLE	5.0	5.5	005
SLOUGH 21	820904	08	1.10	0.00	BOULDER	COBBLE	4.7	7.4	006
SLOUGH 21	820904	08	1.50	0.00	BOULDER	COBBLE	4.8	7.2	007
SLOUGH 21	820904	08	1.10	.17	RUBBLE	GRAVEL	4.7	7.5	009
SLOUGH 21	820904	07	.90	.23	RUBBLE	COBBLE	4.9	7.4	010
SLOUGH 21	820904	07	.70	0.00	RUBBLE	COBBLE	5.6	7.2	011
SLOUGH 21	820904	07	.50	0.00	COBBLE	GRAVEL	5.5	7.4	012
SLOUGH 21	820904	07	.60	0.00	RUBBLE	GRAVEL	5.5	7.2	013
SLOUGH 21	820904	07	1.20	.27	RUBBLE	GRAVEL	4.6	7.3	014
SLOUGH 21	820904	07	.45	.57	RUBBLE		4.7	7.3	015
SLOUGH 21	820904	04	1.10	0.00	GRAVEL	COBBLE	4.6	7.6	016
SLOUGH 21	820904	04	.70	.36	GRAVEL	RUBBLE	4.8	7.4	017
SLOUGH 21	820904	04	1.00	.58	RUBBLE	COBBLE	4.5	7.3	018
SLOUGH 21	820904	04	1.00	.53	GRAVEL	RUBBLE	4.7	7.3	019
SLOUGH 21	820904	04	1.80	.10	GRAVEL	RUBBLE	5.2	7.4	020
SLOUGH 21	820904	04	1.20	0.00	GRAVEL	COBBLE	4.6	7.3	022
SLOUGH 21	820904	04	2.60	.02	SAND	GRAVEL	4.3	7.3	021
SLOUGH 21	820904	03	1.15	.11	COBBLE	RUBBLE	4.2	7.5	023
SLOUGH 21	820904	03	.95	.16	COBBLE	GRAVEL	4.6	7.4	024
SLOUGH 21	820904	03	1.00	.19	COBBLE	GRAVEL	4.7	7.5	025
SLOUGH 21	820904	03	.60	.40	RUBBLE	GRAVEL	4.6	7.4	026
SLOUGH 21	820904	03	.70	.31	COBBLE	GRAVEL	4.9	7.3	027
SLOUGH 21	820904	03	.70	.46	COBBLE	GRAVEL	4.2	7.3	028
SLOUGH 21	820904	02	.50	1.11	COBBLE	GRAVEL	4.4	7.5	029

4-B-95

Table 4-B-20. (Continued).

LOCATION	DATE	TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	SUBSTRATE		INTRAGRAVEL TEMPERATURE (°C)	SURFACE WATER TEMPERATURE (°C)	REDD NUMBER
					PRIMARY	SECONDARY			
SLOUGH 21	820904	02	.65	.44	BOULDER	COBBLE	4.0	7.5	030
SLOUGH 21	820904	01	.40	.35	COBBLE	RUBBLE	4.4	7.5	031
SLOUGH 21	820904	01	.85	.40	RUBBLE	GRAVEL	4.4	7.6	032
SLOUGH 21	820904	01	1.10	.12	COBBLE	GRAVEL	4.7	7.6	033
SLOUGH 21	820904	01	.85	0.00	COBBLE	RUBBLE	4.8	8.7	034

Table 4-B-21. Hydraulic habitat variables collected at sockeye redds. (Transect number indicates the transect area in which the redd was located).

LOCATION	DATE	TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	SUBSTRATE		INTRAGRAVEL TEMPERATURE (°C)	SURFACE WATER TEMPERATURE (°C)	REDD NUMBER
					PRIMARY	SECONDARY			
SLOUGH 8A	820906		.50	.05	GRAVEL	SAND	7.4	7.6	S01
SLOUGH 11	820905		.85	0.00	COBBLE	GRAVEL	5.3	6.8	
SLOUGH 11	820920		2.80	.09	GRAVEL	RUBBLE	3.1		S01
SLOUGH 11	820920		2.80	.07	GRAVEL	RUBBLE	4.1		S02
SLOUGH 11	820920		2.50	.08	GRAVEL	RUBBLE	3.2		S03
SLOUGH 11	820920		2.50	0.00	GRAVEL		3.4		S04
SLOUGH 11	820920		2.60	.01	GRAVEL		3.1		S05
SLOUGH 11	820920		1.80	.06	GRAVEL	RUBBLE	3.2		S06
SLOUGH 11	820920		2.10	.08	GRAVEL	RUBBLE	3.2		S07
SLOUGH 11	820920		.75	.05	GRAVEL	RUBBLE	4.0		S08
SLOUGH 11	820920		1.00	.45	GRAVEL	COBBLE	4.2		S09
SLOUGH 11	820920		1.15	.40	GRAVEL	BOULDER	3.0		S10
SLOUGH 11	820920		1.15	.70	RUBBLE	COBBLE	3.1		S11
SLOUGH 11	820920		.50	.50	GRAVEL	SAND	3.0		S12
SLOUGH 11	820920		1.10	.80	GRAVEL	COBBLE	3.6		S13
SLOUGH 11	820920		.95	.06	RUBBLE	GRAVEL	3.5		S14
SLOUGH 11	820920		1.25	.10	RUBBLE	GRAVEL	3.1		S15
SLOUGH 11	820920		1.30	.30	RUBBLE	GRAVEL	3.2		S16
SLOUGH 11	820920		1.20	.04	GRAVEL	RUBBLE	3.2		S17
SLOUGH 11	820920		.85	.10	GRAVEL	COBBLE	3.2		S18
SLOUGH 11	820920		.90	.30	GRAVEL	SAND	3.4		S19
SLOUGH 11	820920		1.00	.30	RUBBLE	GRAVEL	3.4		S20
SLOUGH 11	820920		1.55	.19	GRAVEL	SAND	3.0		S21
SLOUGH 11	820920		1.45	.28	SAND	GRAVEL	3.2		S22

Table 4-B-21. (Continued).

LOCATION	DATE	TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	SUBSTRATE		INTRAGRAVEL TEMPERATURE (°C)	SURFACE WATER TEMPERATURE (°C)	REDD NUMBER
					PRIMARY	SECONDARY			
SLOUGH 21	820904	08	1.50	.27	COBBLE	GRAVEL	4.8	7.5	008

Table 4-B-22. Hydraulic habitat variables collected at pink redds. (Transect number indicates the transect area in which the redd was located).

LOCATION	DATE	TRANSECT	DEPTH (ft)	VELOCITY (ft/s)	SUBSTRATE		INTRAGRAVEL TEMPERATURE	SURFACE WATER TEMPERATURE	REDD NUMBER
					PRIMARY	SECONDARY	(°C)	(°C)	
SLOUGH 8A	820826	0C	.30	.80	GRAVEL	RUBBLE		13.0	P01
SLOUGH 9	820825	06	.80	.20	GRAVEL	RUBBLE	11.0	10.0	P02
SLOUGH 9	820825	06	.55	.30	GRAVEL	RUBBLE	11.1	10.0	P03

App.

Table 4-c-1 Thermograph data summary, summer surface water temperature (C),
Su Station, RM 25.8, Geocode S17N07W22DCD.

- MAY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	---	---	---	---	---	---	1.9	1.9	1.9	5.4	5.6	5.9
0601 - 1200	---	---	---	---	---	---	1.9	2.1	2.4	5.4	5.7	5.9
1201 - 1800	---	---	---	---	---	---	2.4	2.4	2.4	5.9	6.2	6.4
1801 - 2400	---	---	---	---	---	---	2.4	2.4	2.4	5.9	5.9	5.9
DAILY VALUE	---	---	---	---	---	---	1.9	2.2	2.4	5.4	5.9	6.4
0001 - 0600	---	---	---	---	---	---	2.4	2.4	2.4	5.4	5.6	5.9
0601 - 1200	---	---	---	---	---	---	2.4	2.4	2.4	5.4	5.4	5.4
1201 - 1800	---	---	---	---	---	---	2.9	2.9	2.9	5.4	5.4	5.4
1801 - 2400	---	---	---	---	---	---	2.9	2.9	2.9	4.9	5.2	5.4
DAILY VALUE	---	---	---	---	---	---	2.4	2.7	2.9	4.9	5.4	5.9
0001 - 0600	---	---	---	---	---	---	2.9	2.9	2.9	4.9	4.9	4.9
0601 - 1200	---	---	---	---	---	---	2.9	3.2	3.4	4.9	5.4	5.9
1201 - 1800	---	---	---	---	---	---	3.4	3.4	3.4	5.9	5.9	5.9
1801 - 2400	---	---	---	---	---	---	3.4	3.4	3.4	5.4	5.6	5.9
DAILY VALUE	---	---	---	---	---	---	2.9	3.2	3.4	4.9	5.4	5.9
0001 - 0600	---	---	---	---	---	---	3.4	3.4	3.4	5.4	5.4	5.4
0601 - 1200	---	---	---	---	---	---	3.4	3.4	3.4	5.9	6.1	6.4
1201 - 1800	---	---	---	---	---	---	3.4	3.4	3.4	6.9	6.9	6.9
1801 - 2400	---	---	---	---	---	---	3.4	3.4	3.4	6.9	6.9	6.9
DAILY VALUE	---	---	---	---	---	---	3.4	3.4	3.4	5.4	6.3	6.9
0001 - 0600	---	---	---	---	---	---	2.9	3.1	3.4	6.4	6.4	6.4
0601 - 1200	---	---	---	---	---	---	3.4	3.7	3.9	6.4	6.4	6.4
1201 - 1800	---	---	---	---	---	---	4.4	4.4	4.4	6.4	6.4	6.4
1801 - 2400	---	---	---	---	---	---	4.4	4.4	4.4	5.9	6.2	6.4
DAILY VALUE	---	---	---	---	---	---	2.9	3.9	4.4	5.9	6.4	6.4
0001 - 0600	---	---	---	---	---	---	3.9	3.9	3.9	5.9	5.9	5.9
0601 - 1200	---	---	---	---	---	---	3.9	4.2	4.4	6.4	6.7	6.9
1201 - 1800	---	---	---	---	---	---	4.9	4.9	4.9	7.4	7.7	7.9
1801 - 2400	---	---	---	---	---	---	4.4	4.6	4.9	7.4	7.7	7.9
DAILY VALUE	---	---	---	---	---	---	3.9	4.4	4.9	5.9	7.0	7.9
0001 - 0600	---	---	---	---	---	---	3.9	3.9	3.9	7.4	7.4	7.4
0601 - 1200	---	---	---	---	---	---	4.4	4.7	4.9	7.9	8.4	8.9
1201 - 1800	---	---	---	---	---	---	5.4	5.4	5.4	9.4	9.4	9.4
1801 - 2400	---	---	---	---	---	---	5.4	5.4	5.4	9.4	9.4	9.4
DAILY VALUE	---	---	---	---	---	---	3.9	4.9	5.4	7.4	8.6	9.4
0001 - 0600	---	---	---	---	---	---	5.4	5.4	5.4	MONTHLY VALUE		
0601 - 1200	---	---	---	---	---	---	5.9	6.2	6.9			
1201 - 1800	---	---	---	2.9	2.9	2.9	6.4	6.7	6.9	1.9 --- 9.4		
1801 - 2400	---	---	---	1.9	2.2	2.4	5.9	6.2	6.4			
DAILY VALUE	---	---	---	1.9	---	2.9	5.4	6.1	6.9			

4-C-1

Appendix Table 4-C-1 Cont.

- JUNE 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	8.9	8.9	8.9	7.4	7.7	7.9	---	---	---	---	---	---
0601 - 1200	8.9	9.2	9.4	7.4	7.7	7.9	---	---	---	---	---	---
1201 - 1800	9.9	9.9	9.9	7.9	7.9	7.9	---	---	---	---	---	---
1801 - 2400	9.4	9.7	9.9	8.4	8.4	8.4	---	---	---	---	---	---
DAILY VALUE	8.9	9.4	9.9	7.4	7.9	8.4	---	---	---	---	---	---
0001 - 0600	8.9	8.9	8.9	7.9	7.9	7.9	---	---	---	---	---	---
0601 - 1200	8.9	9.1	9.4	7.9	7.9	7.9	---	---	---	---	---	---
1201 - 1800	9.4	9.4	9.4	7.9	7.9	7.9	---	---	---	---	---	---
1801 - 2400	7.9	8.6	8.9	---	---	---	---	---	---	---	---	---
DAILY VALUE	7.9	9.0	9.4	7.9	---	7.9	---	---	---	---	---	---
0001 - 0600	6.9	7.2	7.4	---	---	---	---	---	---	---	---	---
0601 - 1200	6.9	7.1	7.4	---	---	---	---	---	---	---	---	---
1201 - 1800	7.4	7.7	7.9	---	---	---	---	---	---	---	---	---
1801 - 2400	7.9	7.9	7.9	---	---	---	---	---	---	---	---	---
DAILY VALUE	6.9	7.5	7.9	---	---	---	---	---	---	---	---	---
0001 - 0600	7.4	7.4	7.4	---	---	---	---	---	---	---	---	---
0601 - 1200	7.4	7.6	7.9	---	---	---	---	---	---	---	---	---
1201 - 1800	7.9	7.9	7.9	---	---	---	---	---	---	---	---	---
1801 - 2400	7.9	7.9	7.9	---	---	---	---	---	---	---	---	---
DAILY VALUE	7.4	7.7	7.9	---	---	---	---	---	---	---	---	---
0001 - 0600	7.9	7.9	7.9	---	---	---	---	---	---	---	---	---
0601 - 1200	7.4	7.4	7.4	---	---	---	---	---	---	---	---	---
1201 - 1800	7.9	7.9	7.9	---	---	---	---	---	---	---	---	---
1801 - 2400	7.9	7.9	7.9	---	---	---	---	---	---	---	---	---
DAILY VALUE	7.4	7.8	7.9	---	---	---	---	---	---	---	---	---
0001 - 0600	7.4	7.4	7.4	---	---	---	---	---	---	---	---	---
0601 - 1200	7.4	7.4	7.4	---	---	---	---	---	---	---	---	---
1201 - 1800	7.4	7.4	7.4	---	---	---	---	---	---	---	---	---
1801 - 2400	6.9	7.2	7.4	---	---	---	---	---	---	---	---	---
DAILY VALUE	6.9	7.4	7.4	---	---	---	---	---	---	---	---	---
0001 - 0600	6.9	6.9	6.9	---	---	---	---	---	---	---	---	---
0601 - 1200	6.9	6.9	6.9	---	---	---	---	---	---	---	---	---
1201 - 1800	6.9	7.1	7.4	---	---	---	---	---	---	---	---	---
1801 - 2400	6.9	7.2	7.4	---	---	---	---	---	---	---	---	---
DAILY VALUE	6.9	7.0	7.4	---	---	---	---	---	---	---	---	---
0001 - 0600	6.9	6.9	6.9	---	---	---	---	---	---	MONTHLY VALUE		
0601 - 1200	6.9	6.9	6.9	---	---	---	---	---	---			
1201 - 1800	7.4	7.7	7.9	---	---	---	---	---	---			
1801 - 2400	7.9	7.9	7.9	---	---	---	---	---	---			
DAILY VALUE	6.9	7.4	7.9	---	---	---	---	---	---	6.9	---	9.9

App: 1. Table 4-C-2

Thermograph data summary, summer surface water temperature (C),
Yentna Fishwheel, RM 30.1, TRM 4.0, Geocode
S18N07W34DBC.

- JUNE 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	7.5	7.5	7.5	7.0	7.0	7.0	11.5	11.7	12.0
0601 - 1200	----	----	----	7.5	7.5	7.5	7.0	7.3	7.5	11.5	11.5	11.5
1201 - 1800	----	----	----	7.5	7.8	8.0	8.0	8.2	8.5	12.0	12.2	12.5
1801 - 2400	----	----	----	8.0	8.0	8.0	8.5	8.5	8.5	12.5	12.8	13.0
DAILY VALUE	----	----	----	7.5	7.7	8.0	7.0	7.7	8.5	11.5	12.0	13.0
0001 - 0600	----	----	----	8.0	8.0	8.0	8.5	8.5	8.5	12.0	12.2	12.5
0601 - 1200	----	----	----	7.5	7.5	7.5	8.5	8.7	9.0	11.5	11.7	12.0
1201 - 1800	----	----	----	7.5	7.5	7.5	9.0	9.0	9.0	12.0	12.0	12.0
1801 - 2400	----	----	----	7.0	7.2	7.5	9.0	9.0	9.0	12.0	12.3	12.5
DAILY VALUE	----	----	----	7.0	7.5	8.0	8.5	8.8	9.0	11.5	12.0	12.5
0001 - 0600	----	----	----	6.5	6.8	7.0	9.0	9.0	9.0	11.5	11.8	12.0
0601 - 1200	----	----	----	6.5	6.7	7.0	9.0	9.0	9.0	11.0	11.0	11.0
1201 - 1800	----	----	----	7.0	7.2	7.5	9.5	9.8	10.0	11.0	11.2	11.5
1801 - 2400	----	----	----	7.5	7.5	7.5	10.5	10.5	10.5	11.0	11.3	11.5
DAILY VALUE	----	----	----	6.5	7.0	7.5	9.0	9.6	10.5	11.0	11.3	12.0
0001 - 0600	----	----	----	7.0	7.2	7.5	10.5	10.5	10.5	10.0	10.5	11.0
0601 - 1200	----	----	----	7.0	7.0	7.0	10.5	10.5	10.5	10.0	10.0	10.0
1201 - 1800	----	----	----	7.0	7.5	8.0	10.0	10.0	10.0	10.0	10.3	10.5
1801 - 2400	----	----	----	8.0	8.0	8.0	9.5	9.7	10.0	10.5	10.5	10.5
DAILY VALUE	----	----	----	7.0	7.4	8.0	9.5	10.2	10.5	10.0	10.3	11.0
0001 - 0600	----	----	----	7.5	7.8	8.0	9.0	9.2	9.5	9.5	9.7	10.0
0601 - 1200	----	----	----	7.5	7.7	8.0	8.5	8.5	8.5	9.0	9.2	9.5
1201 - 1800	----	----	----	8.0	8.0	8.0	8.5	8.5	8.5	9.5	9.8	10.0
1801 - 2400	----	----	----	8.0	8.3	8.5	8.0	8.0	8.0	9.5	9.7	10.0
DAILY VALUE	----	----	----	7.5	8.0	8.5	8.0	8.5	9.5	9.0	9.6	10.0
0001 - 0600	----	----	----	8.0	8.0	8.0	7.5	7.8	8.0	8.5	8.8	9.0
0601 - 1200	----	----	----	8.0	8.0	8.0	7.5	7.5	7.5	8.5	8.5	8.5
1201 - 1800	----	----	----	8.0	8.0	8.0	8.0	8.0	8.0	8.5	8.7	9.0
1801 - 2400	----	----	----	8.0	8.0	8.0	8.0	8.0	8.0	8.5	8.7	9.0
DAILY VALUE	----	----	----	8.0	8.0	8.0	7.5	7.8	8.0	8.5	8.7	9.0
0001 - 0600	----	----	----	8.0	8.0	8.0	8.0	8.0	8.0	-----	-----	-----
0601 - 1200	----	----	----	8.0	8.0	8.0	8.0	8.0	8.0	-----	-----	-----
1201 - 1800	----	----	----	8.0	8.0	8.0	8.5	8.7	9.0	-----	-----	-----
1801 - 2400	----	----	----	8.0	8.2	8.5	9.0	9.0	9.0	-----	-----	-----
DAILY VALUE	----	----	----	8.0	8.0	8.5	8.0	8.4	9.0	-----	-----	-----
0001 - 0600	----	----	----	8.0	8.2	8.5	9.0	9.0	9.0	MONTHLY VALUE		
0601 - 1200	----	----	----	8.0	8.0	8.0	9.5	9.7	10.0			
1201 - 1800	7.5	-----	7.5	8.0	8.0	8.0	11.0	11.3	11.5			
1801 - 2400	7.5	7.5	7.5	7.5	7.7	8.0	12.0	12.0	12.0			
DAILY VALUE	7.5	-----	7.5	7.5	8.0	8.5	9.0	10.5	12.0	6.5	8.9	13.0

Appendix Table 4-C-2 Cont.

- JULY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	7.5	7.8	8.0	10.5	10.8	11.0	7.0	7.3	7.5	7.5	7.5	7.5
0601 - 1200	7.0	7.0	7.0	10.0	10.2	10.5	7.0	7.0	7.0	7.5	7.5	7.5
1201 - 1800	7.5	7.5	7.5	10.0	10.0	10.0	7.5	7.5	7.5	7.5	7.8	8.0
1801 - 2400	8.0	8.0	8.0	10.0	10.0	10.0	8.0	8.0	8.0	8.0	8.0	8.0
DAILY VALUE	7.0	7.6	8.0	10.0	10.2	11.0	7.0	7.5	8.0	7.5	7.7	8.0
0001 - 0600	7.5	7.7	8.0	9.5	9.7	10.0	8.0	8.0	8.0	7.5	7.8	8.0
0601 - 1200	7.0	7.0	7.0	9.0	9.0	9.0	8.0	8.0	8.0	7.5	7.7	8.0
1201 - 1800	7.5	7.5	7.5	9.0	9.0	9.0	8.5	8.7	9.0	8.0	8.3	8.5
1801 - 2400	7.5	7.5	7.5	9.5	9.5	9.5	9.0	9.0	9.0	8.5	8.7	9.0
DAILY VALUE	7.0	7.4	8.0	9.0	9.3	10.0	8.0	8.4	9.0	7.5	8.1	9.0
0001 - 0600	7.5	7.5	7.5	9.0	9.3	9.5	8.5	8.8	9.0	8.0	8.2	8.5
0601 - 1200	7.0	7.2	7.5	9.0	9.0	9.0	8.0	8.0	8.0	7.5	7.5	7.5
1201 - 1800	7.5	8.0	8.5	9.0	9.0	9.0	8.5	8.7	9.0	7.5	7.8	8.0
1801 - 2400	8.5	8.5	8.5	9.0	9.0	9.0	9.5	9.5	9.5	8.0	8.0	8.0
DAILY VALUE	7.0	7.8	8.5	9.0	9.1	9.5	8.0	8.7	9.5	7.5	7.9	8.5
0001 - 0600	8.5	8.5	8.5	8.5	8.8	9.0	9.5	9.5	9.5	7.5	7.5	7.5
0601 - 1200	8.5	8.5	8.5	8.5	8.5	8.5	9.5	9.7	10.0	7.5	7.5	7.5
1201 - 1800	9.0	9.2	9.5	8.5	8.5	8.5	10.5	11.0	11.5	8.0	8.0	8.0
1801 - 2400	9.5	9.5	9.5	8.5	8.5	8.5	11.5	11.8	12.0	8.0	8.3	8.5
DAILY VALUE	8.5	8.9	9.5	8.5	8.6	9.0	9.5	10.5	12.0	7.5	7.8	8.5
0001 - 0600	9.5	9.5	9.5	8.0	8.2	8.5	11.0	11.3	11.5	8.0	8.3	8.5
0601 - 1200	9.0	9.0	9.0	8.0	8.0	8.0	10.5	10.5	10.5	8.0	8.0	8.0
1201 - 1800	9.0	9.0	9.0	8.5	8.7	9.0	10.5	10.5	10.5	8.0	8.0	8.0
1801 - 2400	9.0	9.3	9.5	9.0	9.0	9.0	10.5	10.5	10.5	8.0	8.0	8.0
DAILY VALUE	9.0	9.2	9.5	8.0	8.5	9.0	10.5	10.7	11.5	8.0	8.1	8.5
0001 - 0600	9.0	9.3	9.5	8.5	8.7	9.0	9.5	10.0	10.5	7.5	7.7	8.0
0601 - 1200	9.0	9.0	9.0	8.5	8.5	8.5	9.0	9.0	9.0	7.5	7.5	7.5
1201 - 1800	9.5	9.5	9.5	8.5	8.8	9.0	8.5	8.8	9.0	7.5	7.8	8.0
1801 - 2400	10.0	10.0	10.0	9.5	9.5	9.5	8.0	8.3	8.5	8.0	8.0	8.0
DAILY VALUE	9.0	9.5	10.0	8.5	8.9	9.5	8.0	9.0	10.5	7.5	7.7	8.0
0001 - 0600	9.5	9.8	10.0	9.5	9.5	9.5	7.5	7.7	8.0	8.0	8.0	8.0
0601 - 1200	9.5	9.5	9.5	9.0	9.0	9.0	7.0	7.2	7.5	8.0	8.0	8.0
1201 - 1800	9.5	9.5	9.5	9.0	9.0	9.0	7.5	7.5	7.5	8.5	8.8	9.0
1801 - 2400	9.5	9.5	9.5	9.5	9.5	9.5	7.5	7.5	7.5	9.5	9.5	9.5
DAILY VALUE	9.5	9.6	10.0	9.0	9.2	9.5	7.0	7.5	8.0	8.0	8.6	9.5
0001 - 0600	9.5	9.5	9.5	8.5	8.8	9.0	7.5	7.5	7.5	MONTHLY VALUE		
0601 - 1200	9.5	9.5	9.5	8.0	8.2	8.5	7.5	7.5	7.5			
1201 - 1800	9.5	10.0	10.5	8.0	8.0	8.0	7.5	7.7	8.0	7.0 8.6 12.0		
1801 - 2400	10.5	10.8	11.0	8.0	8.0	8.0	8.0	8.0	8.0			
DAILY VALUE	9.5	10.0	11.0	8.0	8.2	9.0	7.5	7.7	8.0			

4-C-4

App. 1. Table 4-c-2 Cont.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	8.5	9.0	9.5	9.0	9.0	9.0	8.5	8.7	9.0	8.5	8.5	8.5
0601 - 1200	8.5	8.7	9.0	9.0	9.0	9.0	8.0	8.0	8.0	8.0	8.3	8.5
1201 - 1800	9.5	9.7	10.0	9.0	9.2	9.5	8.0	8.2	8.5	8.0	8.0	8.0
1801 - 2400	10.0	10.0	10.0	9.5	9.5	9.5	8.5	8.5	8.5	8.5	8.5	8.5
DAILY VALUE	8.5	9.3	10.0	9.0	9.2	9.5	8.0	8.3	9.0	8.0	8.3	8.5
0001 - 0600	9.0	9.5	10.0	9.0	9.2	9.5	8.0	8.3	8.5	8.5	8.5	8.5
0601 - 1200	9.0	9.0	9.0	8.0	8.3	8.5	7.5	7.7	8.0	8.0	8.2	8.5
1201 - 1800	9.5	9.7	10.0	8.0	8.0	8.0	7.5	7.8	8.0	8.5	8.7	9.0
1801 - 2400	10.0	10.0	10.0	7.5	7.7	8.0	8.0	8.0	8.0	9.0	9.0	9.0
DAILY VALUE	9.0	9.5	10.0	7.5	8.3	9.5	7.5	8.0	8.5	8.0	8.6	9.0
0001 - 0600	9.5	9.7	10.0	7.0	7.2	7.5	8.0	8.0	8.0	8.0	8.3	8.5
0601 - 1200	9.0	9.0	9.0	7.0	7.0	7.0	8.0	8.0	8.0	8.0	8.0	8.0
1201 - 1800	9.5	9.7	10.0	7.0	7.3	7.5	8.0	8.2	8.5	8.5	8.5	8.5
1801 - 2400	10.0	10.0	10.0	7.5	7.5	7.5	8.5	8.7	9.0	8.5	8.8	9.0
DAILY VALUE	9.0	9.6	10.0	7.0	7.2	7.5	8.0	8.2	9.0	8.0	8.4	9.0
0001 - 0600	9.5	9.7	10.0	7.5	7.5	7.5	9.0	9.0	9.0	8.5	8.8	9.0
0601 - 1200	9.0	9.0	9.0	7.5	7.7	8.0	8.5	8.5	8.5	8.5	8.5	8.5
1201 - 1800	9.0	9.3	9.5	8.5	9.0	9.5	9.0	9.0	9.0	8.5	8.5	8.5
1801 - 2400	10.0	10.0	10.0	9.0	9.2	9.5	9.0	9.0	9.0	8.5	8.5	8.5
DAILY VALUE	9.0	9.5	10.0	7.5	8.3	9.5	8.5	8.9	9.0	8.5	8.6	9.0
0001 - 0600	9.5	9.8	10.0	9.0	9.3	9.5	9.0	9.0	9.0	8.0	8.3	8.5
0601 - 1200	9.0	9.2	9.5	9.0	9.0	9.0	8.5	8.5	8.5	7.5	7.7	8.0
1201 - 1800	9.5	9.5	9.5	9.5	9.7	10.0	8.5	8.5	8.5	7.5	7.5	7.5
1801 - 2400	10.0	10.0	10.0	10.0	10.2	10.5	8.5	8.5	8.5	7.5	7.5	7.5
DAILY VALUE	9.0	9.6	10.0	9.0	9.5	10.5	8.5	8.6	9.0	7.5	7.7	8.5
0001 - 0600	9.5	9.8	10.0	10.0	10.3	10.5	8.5	8.5	8.5	7.5	7.5	7.5
0601 - 1200	9.5	9.5	9.5	10.0	10.0	10.0	8.5	8.5	8.5	7.5	7.5	7.5
1201 - 1800	9.5	9.8	10.5	10.0	10.0	10.0	8.5	8.5	8.5	7.5	7.5	7.5
1801 - 2400	10.5	10.7	11.0	10.0	10.0	10.0	8.5	8.5	8.5	7.5	7.5	7.5
DAILY VALUE	9.5	10.0	11.0	10.0	10.1	10.5	8.5	8.5	8.5	7.5	7.5	7.5
0001 - 0600	10.5	10.8	11.0	9.5	9.8	10.0	8.5	8.5	8.5	7.5	7.5	7.5
0601 - 1200	9.5	9.8	10.0	8.5	8.8	9.0	8.5	8.5	8.5	7.5	7.5	7.5
1201 - 1800	9.5	9.5	9.5	8.0	8.3	8.5	8.5	8.5	8.5	7.5	7.5	7.5
1801 - 2400	9.5	9.5	9.5	8.0	8.0	8.0	8.5	8.5	8.5	7.5	7.5	7.5
DAILY VALUE	9.5	9.9	11.0	8.0	8.7	10.0	8.5	8.5	8.5	7.5	7.5	7.5
0001 - 0600	9.0	9.3	9.5	8.0	8.0	8.0	8.5	8.5	8.5	MONTHLY VALUE		
0601 - 1200	8.5	8.5	8.5	8.0	8.0	8.0	8.5	8.5	8.5			
1201 - 1800	8.5	8.5	8.5	8.0	8.3	8.5	8.5	8.5	8.5			
1801 - 2400	8.5	8.8	9.0	8.5	8.8	9.0	8.5	8.5	8.5			
DAILY VALUE	8.5	8.8	9.5	8.0	8.3	9.0	8.5	8.5	8.5	7.0	8.7	11.0

Appendix A Table 4-c-6 Cont.

- SEPTEMBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	7.0	7.2	7.5	7.5	7.5	7.5	7.0	7.0	7.0	4.0	4.0	4.0
0601 - 1200	7.0	7.2	7.5	7.5	7.5	7.5	6.5	6.5	6.5	3.5	3.7	4.0
1201 - 1800	7.5	7.7	8.0	7.5	7.5	7.5	6.5	6.5	6.5	3.5	3.8	4.0
1801 - 2400	8.0	8.0	8.0	7.5	7.5	7.5	6.0	6.0	6.0	4.0	4.0	4.0
DAILY VALUE	7.0	7.5	8.0	7.5	7.5	7.5	6.0	6.5	7.0	3.5	3.9	4.0
0001 - 0600	7.5	7.5	7.5	7.0	7.2	7.5	5.5	5.7	6.0	4.0	4.0	4.0
0601 - 1200	7.5	7.5	7.5	7.0	7.0	7.0	5.5	5.5	5.5	4.0	4.2	4.5
1201 - 1800	8.0	8.0	8.0	7.0	7.0	7.0	5.5	-----	5.5	4.5	4.7	5.0
1801 - 2400	8.0	8.0	8.0	7.0	7.0	7.0	5.5	5.5	5.5	5.0	-----	5.0
DAILY VALUE	7.5	7.7	8.0	7.0	7.0	7.5	5.5	5.5	6.0	4.0	4.4	5.0
0001 - 0600	7.5	7.5	7.5	7.0	7.0	7.0	5.5	5.5	5.5	4.5	4.5	4.5
0601 - 1200	7.0	7.2	7.5	7.0	7.0	7.0	5.5	5.5	5.5	4.5	4.8	5.0
1201 - 1800	7.0	7.3	7.5	7.0	7.0	7.0	5.5	5.7	6.0	5.0	5.0	5.0
1801 - 2400	7.0	7.0	7.0	7.0	7.0	7.0	6.0	6.0	6.0	5.0	-----	5.0
DAILY VALUE	7.0	7.2	7.5	7.0	7.0	7.0	5.5	5.7	6.0	4.5	4.8	5.0
0001 - 0600	7.0	7.0	7.0	6.5	6.5	6.5	5.5	5.5	5.5	-----	-----	-----
0601 - 1200	7.0	7.0	7.0	6.0	6.2	6.5	6.0	6.0	6.0	-----	-----	-----
1201 - 1800	7.5	7.5	7.5	6.0	6.0	6.0	6.0	6.0	6.0	-----	-----	-----
1801 - 2400	7.5	7.5	7.5	6.0	6.0	6.0	6.0	6.0	6.0	-----	-----	-----
DAILY VALUE	7.0	7.2	7.5	6.0	6.2	6.5	5.5	5.9	6.0	-----	-----	-----
0001 - 0600	7.5	7.5	7.5	5.5	5.8	6.0	6.0	6.0	6.0	-----	-----	-----
0601 - 1200	7.0	7.2	7.5	5.5	5.5	5.5	6.0	6.0	6.0	-----	-----	-----
1201 - 1800	7.0	7.3	7.5	5.5	5.5	5.5	6.0	6.0	6.0	-----	-----	-----
1801 - 2400	7.0	7.0	7.0	5.5	5.5	5.5	6.0	6.0	6.0	-----	-----	-----
DAILY VALUE	7.0	7.2	7.5	5.5	5.6	6.0	6.0	6.0	6.0	-----	-----	-----
0001 - 0600	7.0	7.0	7.0	5.5	5.5	5.5	6.0	6.0	6.0	-----	-----	-----
0601 - 1200	7.0	7.0	7.0	5.5	5.7	6.0	6.0	6.0	6.0	-----	-----	-----
1201 - 1800	7.0	7.0	7.0	6.0	6.0	6.0	6.5	6.5	6.5	-----	-----	-----
1801 - 2400	7.0	7.0	7.0	6.0	6.2	6.5	6.0	6.0	6.0	-----	-----	-----
DAILY VALUE	7.0	7.0	7.0	5.5	5.8	6.5	6.0	6.1	6.5	-----	-----	-----
0001 - 0600	7.0	7.0	7.0	6.5	6.5	6.5	5.5	5.7	6.0	-----	-----	-----
0601 - 1200	7.0	7.2	7.5	6.5	6.5	6.5	5.5	5.5	5.5	-----	-----	-----
1201 - 1800	7.5	7.5	7.5	6.5	6.8	7.0	5.5	5.5	5.5	-----	-----	-----
1801 - 2400	7.5	7.5	7.5	6.5	6.5	6.5	5.0	5.3	5.5	-----	-----	-----
DAILY VALUE	7.0	7.3	7.5	6.5	6.6	7.0	5.0	5.5	6.0	-----	-----	-----
0001 - 0600	7.5	7.5	7.5	6.5	6.5	6.5	4.5	4.7	5.0	MONTHLY VALUE		
0601 - 1200	7.5	7.5	7.5	6.5	6.5	6.5	4.0	4.0	4.0			
1201 - 1800	7.5	7.8	8.0	7.0	7.0	7.0	4.5	4.5	4.5			
1801 - 2400	8.0	8.0	8.0	7.0	7.0	7.0	4.5	4.5	4.5			
DAILY VALUE	7.5	7.7	8.0	6.5	6.7	7.0	4.0	4.4	5.0	3.5	6.3	8.0

4-c-6

Table 4-C-6 Cont.

- OCTOBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	.5	.5	.5	----	----	----	----	----	----
0601 - 1200	----	----	----	.5	.7	1.0	----	----	----	----	----	----
1201 - 1800	----	----	----	1.0	1.0	1.0	----	----	----	----	----	----
1801 - 2400	----	----	----	1.0	1.0	1.0	----	----	----	----	----	----
DAILY VALUE	----	----	----	.5	.8	1.0	----	----	----	----	----	----
0001 - 0600	----	----	----	1.0	1.0	1.0	----	----	----	----	----	----
0601 - 1200	----	----	----	1.0	1.0	1.0	----	----	----	----	----	----
1201 - 1800	----	----	----	1.0	1.0	1.0	----	----	----	----	----	----
1801 - 2400	----	----	----	1.0	1.0	1.0	----	----	----	----	----	----
DAILY VALUE	----	----	----	1.0	1.0	1.0	----	----	----	----	----	----
0001 - 0600	----	----	----	.5	.7	1.0	----	----	----	----	----	----
0601 - 1200	----	----	----	0.0	.2	.5	----	----	----	----	----	----
1201 - 1800	----	----	----	.5	----	.5	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	0.0	----	1.0	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	4.0	----	4.0	----	----	----	----	----	----	----	----	----
1801 - 2400	3.5	3.7	4.0	----	----	----	----	----	----	----	----	----
DAILY VALUE	3.5	----	4.0	----	----	----	----	----	----	----	----	----
0001 - 0600	3.0	3.0	3.0	----	----	----	----	----	----	----	----	----
0601 - 1200	2.5	2.5	2.5	----	----	----	----	----	----	----	----	----
1201 - 1800	2.5	2.5	2.5	----	----	----	----	----	----	----	----	----
1801 - 2400	1.5	1.8	2.0	----	----	----	----	----	----	----	----	----
DAILY VALUE	1.5	2.5	3.0	----	----	----	----	----	----	----	----	----
0001 - 0600	1.0	1.3	1.5	----	----	----	----	----	----	----	----	----
0601 - 1200	1.0	1.0	1.0	----	----	----	----	----	----	----	----	----
1201 - 1800	1.0	1.0	1.0	----	----	----	----	----	----	----	----	----
1801 - 2400	1.0	1.0	1.0	----	----	----	----	----	----	----	----	----
DAILY VALUE	1.0	1.1	1.5	----	----	----	----	----	----	----	----	----
0001 - 0600	1.0	1.0	1.0	----	----	----	----	----	----	----	----	----
0601 - 1200	.5	.5	.5	----	----	----	----	----	----	----	----	----
1201 - 1800	.5	.5	.5	----	----	----	----	----	----	----	----	----
1801 - 2400	.5	.5	.5	----	----	----	----	----	----	----	----	----
DAILY VALUE	.5	.6	1.0	----	----	----	----	----	----	----	----	----
0001 - 0600	.5	.5	.5	----	----	----	----	----	----	MONTHLY VALUE		
0601 - 1200	.5	.5	.5	----	----	----	----	----	----			
1201 - 1800	.5	.5	.5	----	----	----	----	----	----			
1801 - 2400	.5	.5	.5	----	----	----	----	----	----			
DAILY VALUE	.5	.5	.5	----	----	----	----	----	----	0.0 ---- 4.0		

Appendix Table 4-C-3

Thermograph data summary, summer surface water temperature (C),
Susitna River Upstream of Yentna River, RM 29.5, Geocode
S17N06W07CAD.

- JUNE 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	7.5	7.7	8.0	----	----	----	12.0	12.2	12.5
0601 - 1200	----	----	----	7.5	7.5	7.5	----	----	----	12.0	12.0	12.0
1201 - 1800	----	----	----	8.0	8.0	8.0	----	----	----	12.5	13.0	13.5
1801 - 2400	----	----	----	8.5	8.5	8.5	----	----	----	13.5	13.5	13.5
DAILY VALUE	----	----	----	7.5	7.9	8.5	----	----	----	12.0	12.7	13.5
0001 - 0600	----	----	----	8.0	8.0	8.0	----	----	----	12.5	12.7	13.0
0601 - 1200	----	----	----	8.0	8.0	8.0	----	----	----	12.5	12.5	12.5
1201 - 1800	----	----	----	8.0	8.0	8.0	10.0	10.0	10.0	13.0	13.2	13.5
1801 - 2400	----	----	----	8.0	8.0	8.0	9.5	9.8	10.0	13.0	13.3	13.5
DAILY VALUE	----	----	----	8.0	8.0	8.0	9.5	----	10.0	12.5	12.9	13.5
0001 - 0600	----	----	----	7.5	7.5	7.5	9.5	9.5	9.5	12.0	12.5	13.0
0601 - 1200	----	----	----	7.5	7.5	7.5	9.0	9.3	9.5	12.0	12.0	12.0
1201 - 1800	----	----	----	8.0	8.0	8.0	10.0	10.2	10.5	12.0	12.0	12.0
1801 - 2400	----	----	----	8.0	8.0	8.0	10.5	10.5	10.5	12.0	12.0	12.0
DAILY VALUE	----	----	----	7.5	7.8	8.0	9.0	9.9	10.5	12.0	12.1	13.0
0001 - 0600	----	----	----	7.5	7.7	8.0	10.0	10.0	10.0	11.0	11.3	11.5
0601 - 1200	----	----	----	7.5	7.5	7.5	9.5	9.8	10.0	11.0	11.0	11.0
1201 - 1800	----	----	----	8.0	8.3	8.5	9.5	9.5	9.5	11.0	11.3	11.5
1801 - 2400	----	----	----	7.5	8.2	8.5	9.0	9.3	9.5	11.5	11.8	12.0
DAILY VALUE	----	----	----	7.5	7.9	8.5	9.0	9.7	10.0	11.0	11.4	12.0
0001 - 0600	----	----	----	7.5	7.5	7.5	8.0	8.5	9.0	11.0	11.2	11.5
0601 - 1200	----	----	----	7.5	7.5	7.5	8.0	8.0	8.0	10.5	10.7	11.0
1201 - 1800	----	----	----	7.5	8.0	8.5	8.0	8.3	8.5	11.0	11.3	11.5
1801 - 2400	----	----	----	8.5	8.5	8.5	8.5	8.5	8.5	11.5	11.5	11.5
DAILY VALUE	----	----	----	7.5	7.9	8.5	8.0	8.3	9.0	10.5	11.2	11.5
0001 - 0600	----	----	----	8.0	8.3	8.5	8.5	8.5	8.5	10.5	11.0	11.5
0601 - 1200	----	----	----	8.0	8.2	8.5	8.5	8.5	8.5	10.5	10.5	10.5
1201 - 1800	----	----	----	----	----	----	8.5	9.0	9.5	10.5	10.8	11.5
1801 - 2400	----	----	----	----	----	----	9.5	9.5	9.5	10.5	11.0	11.5
DAILY VALUE	----	----	----	8.0	----	8.5	8.5	8.9	9.5	10.5	10.8	11.5
0001 - 0600	----	----	----	----	----	----	9.5	9.5	9.5	----	----	----
0601 - 1200	----	----	----	----	----	----	9.5	9.7	10.0	----	----	----
1201 - 1800	----	----	----	----	----	----	10.5	10.8	11.0	----	----	----
1801 - 2400	----	----	----	----	----	----	11.5	11.5	11.5	----	----	----
DAILY VALUE	----	----	----	----	----	----	9.5	10.4	11.5	----	----	----
0001 - 0600	----	----	----	----	----	----	10.5	10.8	11.0	MONTHLY VALUE		
0601 - 1200	----	----	----	----	----	----	10.5	10.7	11.0			
1201 - 1800	8.0	----	8.0	----	----	----	11.5	12.0	12.5	7.5 ---- 13.5		
1801 - 2400	8.0	8.0	8.0	----	----	----	12.5	12.8	13.0			
DAILY VALUE	8.0	----	8.0	----	----	----	10.5	11.6	13.0			

Ap1 Table 4-C 3 Cont.

- JULY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	10.0	10.2	10.5	11.5	11.8	12.0	9.5	9.5	9.5	9.5	9.5	9.5
0601 - 1200	10.0	10.0	10.0	11.5	11.8	12.0	9.5	9.7	10.0	9.0	9.2	9.5
1201 - 1800	10.5	10.5	10.5	12.0	12.0	12.0	10.5	10.5	10.5	9.5	9.7	10.0
1801 - 2400	10.0	10.3	10.5	12.0	12.0	12.0	10.5	10.5	10.5	9.5	9.8	10.0
DAILY VALUE	10.0	10.2	10.5	11.5	11.9	12.0	9.5	10.0	10.5	9.0	9.5	10.0
0001 - 0600	9.5	9.8	10.0	11.5	11.5	11.5	10.0	10.2	10.5	9.0	9.3	9.5
0601 - 1200	9.5	9.7	10.0	12.0	12.0	12.0	10.0	10.3	10.5	9.0	9.2	9.5
1201 - 1800	10.0	10.3	10.5	12.0	12.0	12.0	10.5	10.8	11.0	9.5	9.8	10.0
1801 - 2400	10.5	10.5	10.5	11.5	11.8	12.0	11.0	11.2	11.5	9.5	9.8	10.0
DAILY VALUE	9.5	10.1	10.5	11.5	11.8	12.0	10.0	10.6	11.5	9.0	9.5	10.0
0001 - 0600	9.5	10.0	10.5	10.5	11.0	11.5	10.0	10.3	10.5	9.5	9.5	9.5
0601 - 1200	9.5	10.0	10.5	10.5	10.5	10.5	10.5	10.5	10.5	9.5	9.5	9.5
1201 - 1800	10.5	10.8	11.0	11.0	11.3	11.5	11.0	11.3	11.5	10.0	10.2	10.5
1801 - 2400	11.0	11.3	11.5	11.5	11.5	11.5	11.5	11.8	12.0	10.5	10.5	10.5
DAILY VALUE	9.5	10.5	11.5	10.5	11.1	11.5	10.0	11.0	12.0	9.5	9.9	10.5
0001 - 0600	10.5	10.7	11.0	10.5	10.8	11.0	11.5	11.5	11.5	10.0	10.0	10.0
0601 - 1200	10.5	10.7	11.0	10.5	10.5	10.5	11.5	12.0	12.5	10.0	10.2	10.5
1201 - 1800	11.0	11.3	11.5	10.5	10.5	10.5	13.0	13.3	13.5	10.5	10.5	10.5
1801 - 2400	11.0	11.3	11.5	10.5	10.5	10.5	13.5	13.5	13.5	10.5	10.5	10.5
DAILY VALUE	10.5	11.0	11.5	10.5	10.6	11.0	11.5	12.6	13.5	10.0	10.3	10.5
0001 - 0600	10.5	10.7	11.0	10.5	10.5	10.5	12.5	12.8	13.0	10.5	10.5	10.5
0601 - 1200	11.0	11.2	11.5	10.5	10.5	10.5	12.5	12.5	12.5	10.5	10.5	10.5
1201 - 1800	12.0	12.3	12.5	11.0	11.2	11.5	12.5	12.8	13.0	10.5	10.5	10.5
1801 - 2400	12.0	12.3	12.5	11.0	11.2	11.5	12.0	12.3	12.5	10.5	10.5	10.5
DAILY VALUE	10.5	11.6	12.5	10.5	10.8	11.5	12.0	12.6	13.0	10.5	10.5	10.5
0001 - 0600	11.5	11.7	12.0	10.5	10.7	11.0	11.0	11.3	11.5	10.0	10.3	10.5
0601 - 1200	11.0	11.3	11.5	10.5	10.7	11.0	11.0	11.0	11.0	10.0	10.2	10.5
1201 - 1800	11.5	11.8	12.0	11.0	11.3	11.5	11.0	11.0	11.0	10.5	10.5	10.5
1801 - 2400	12.0	12.0	12.0	11.5	11.5	11.5	11.0	11.0	11.0	10.5	10.5	10.5
DAILY VALUE	11.0	11.7	12.0	10.5	11.0	11.5	11.0	11.1	11.5	10.0	10.4	10.5
0001 - 0600	11.0	11.3	11.5	11.0	11.0	11.0	10.5	10.5	10.5	10.0	10.2	10.5
0601 - 1200	11.0	11.3	11.5	10.5	10.8	11.0	10.0	10.0	10.0	10.0	10.0	10.0
1201 - 1800	12.0	12.5	13.0	11.0	11.0	11.0	10.0	10.0	10.0	10.5	10.5	10.5
1801 - 2400	12.5	12.8	13.0	10.5	10.5	10.5	9.5	9.7	10.0	10.5	10.5	10.5
DAILY VALUE	11.0	12.0	13.0	10.5	10.8	11.0	9.5	10.0	10.5	10.0	10.3	10.5
0001 - 0600	12.0	12.3	12.5	9.5	9.8	10.0	9.5	9.5	9.5	MONTHLY VALUE		
0601 - 1200	12.0	12.0	12.0	9.5	9.8	10.0	9.5	9.5	9.5			
1201 - 1800	12.5	12.5	12.5	10.0	10.0	10.0	9.5	9.5	9.5			
1801 - 2400	12.0	12.3	12.5	9.5	9.8	10.0	9.5	9.5	9.5			
DAILY VALUE	12.0	12.3	12.5	9.5	9.9	10.0	9.5	9.5	9.5	9.0	10.8	13.5

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Appendix Table 4-C-5 Cont.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	10.0	10.2	10.5	10.0	10.2	10.5	10.0	10.2	10.5	10.5	10.5	10.5
0601 - 1200	10.0	10.3	10.5	10.0	10.0	10.0	9.5	9.5	9.5	10.0	10.0	10.0
1201 - 1800	11.0	11.3	11.5	10.5	10.7	11.0	10.0	10.3	10.5	10.0	10.3	10.5
1801 - 2400	11.0	11.3	11.5	11.0	11.0	11.0	10.5	10.5	10.5	10.5	10.5	10.5
DAILY VALUE	10.0	10.8	11.5	10.0	10.5	11.0	9.5	10.1	10.5	10.0	10.3	10.5
0001 - 0600	10.5	10.7	11.0	10.5	10.5	10.5	9.5	9.8	10.0	10.0	10.3	10.5
0601 - 1200	10.5	10.7	11.0	9.5	9.8	10.0	9.5	9.5	9.5	10.0	10.0	10.0
1201 - 1800	11.5	11.7	12.0	9.5	9.5	9.5	9.5	9.8	10.0	10.5	10.7	11.0
1801 - 2400	11.5	11.7	12.0	9.5	9.5	9.5	10.0	10.3	10.5	11.0	11.0	11.0
DAILY VALUE	10.5	11.2	12.0	9.5	9.8	10.5	9.5	9.9	10.5	10.0	10.5	11.0
0001 - 0600	10.5	10.8	11.0	9.0	9.2	9.5	9.5	9.7	10.0	10.0	10.3	10.5
0601 - 1200	10.5	11.0	11.5	8.5	8.7	9.0	9.0	9.0	9.0	10.0	10.2	10.5
1201 - 1800	11.5	11.8	12.0	9.0	9.3	9.5	9.5	9.8	10.0	10.5	10.7	11.0
1801 - 2400	11.5	11.8	12.0	9.5	9.7	10.0	10.5	10.5	10.5	10.5	10.8	11.0
DAILY VALUE	10.5	11.4	12.0	8.5	9.2	10.0	9.0	9.7	10.5	10.0	10.5	11.0
0001 - 0600	11.0	11.2	11.5	9.5	9.5	9.5	9.5	9.8	10.0	10.0	10.3	10.5
0601 - 1200	11.0	11.2	11.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.8	10.0
1201 - 1800	11.5	11.8	12.0	10.5	10.8	11.0	10.0	10.5	11.0	10.5	10.5	10.5
1801 - 2400	12.0	12.0	12.0	11.5	11.5	11.5	11.0	11.0	11.0	10.5	10.5	10.5
DAILY VALUE	11.0	11.5	12.0	9.5	10.3	11.5	9.5	10.2	11.0	9.5	10.3	10.5
0001 - 0600	11.5	11.5	11.5	10.5	11.0	11.5	10.0	10.3	10.5	9.5	10.0	10.5
0601 - 1200	11.5	11.7	12.0	10.5	10.5	10.5	10.0	10.2	10.5	9.5	9.5	9.5
1201 - 1800	12.0	12.3	12.5	11.0	11.3	11.5	10.5	10.8	11.0	9.5	9.5	9.5
1801 - 2400	12.0	12.3	12.5	12.0	12.0	12.0	11.0	11.0	11.0	9.5	9.5	9.5
DAILY VALUE	11.5	12.0	12.5	10.5	11.2	12.0	10.0	10.6	11.0	9.5	9.6	10.5
0001 - 0600	11.5	11.7	12.0	11.5	11.7	12.0	10.0	10.5	11.0	9.0	9.3	9.5
0601 - 1200	11.5	11.7	12.0	11.5	11.5	11.5	10.0	10.2	10.5	9.0	9.0	9.0
1201 - 1800	12.5	12.7	13.0	11.5	11.8	12.0	10.5	10.8	11.0	9.0	9.0	9.0
1801 - 2400	13.0	13.0	13.0	12.0	12.0	12.0	11.0	11.0	11.0	9.0	9.0	9.0
DAILY VALUE	11.5	12.2	13.0	11.5	11.7	12.0	10.0	10.6	11.0	9.0	9.1	9.5
0001 - 0600	12.0	12.2	12.5	11.5	11.7	12.0	10.5	10.8	11.0	8.5	8.5	8.5
0601 - 1200	11.5	11.5	11.5	10.5	10.8	11.0	10.5	10.5	10.5	8.5	8.5	8.5
1201 - 1800	11.5	11.5	11.5	10.5	10.5	10.5	10.5	10.7	11.0	8.5	8.5	8.5
1801 - 2400	11.5	11.5	11.5	10.0	10.0	10.0	11.0	11.0	11.0	9.0	9.0	9.0
DAILY VALUE	11.5	11.7	12.5	10.0	10.7	12.0	10.5	10.7	11.0	8.5	8.6	9.0
0001 - 0600	10.5	10.7	11.0	9.5	9.5	9.5	10.5	10.7	11.0	MONTHLY VALUE		
0601 - 1200	10.0	10.0	10.0	9.5	9.5	9.5	10.5	10.5	10.5			
1201 - 1800	10.0	10.2	10.5	10.0	10.3	10.5	10.5	10.8	11.0			
1801 - 2400	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.8	11.0			
DAILY VALUE	10.0	10.3	11.0	9.5	10.0	10.5	10.5	10.7	11.0	8.5	10.5	13.0

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Appendix Table 4-C-5 Cont.

- SEPTEMBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	8.5	8.5	8.5	8.5	8.5	8.5	8.0	8.0	8.0	4.5	4.7	5.0
0601 - 1200	8.5	8.5	8.5	8.5	8.5	8.5	7.5	7.8	8.0	4.0	4.3	4.5
1201 - 1800	8.5	8.8	9.0	8.5	8.5	8.5	7.5	7.5	7.5	4.5	4.5	4.5
1801 - 2400	9.0	9.3	9.5	8.5	8.5	8.5	7.5	7.5	7.5	4.5	4.5	4.5
DAILY VALUE	8.5	8.8	9.5	8.5	8.5	8.5	7.5	7.7	8.0	4.0	4.5	5.0
0001 - 0600	8.5	9.0	9.5	8.0	8.3	8.5	7.0	7.0	7.0	4.5	4.5	4.5
0601 - 1200	8.5	9.0	9.5	8.0	8.0	8.0	6.5	6.8	7.0	4.5	4.5	4.5
1201 - 1800	9.5	9.5	9.5	8.5	8.5	8.5	6.5	6.5	6.5	5.0	5.0	5.0
1801 - 2400	9.5	9.5	9.5	8.5	8.5	8.5	6.5	6.5	6.5	5.0	5.0	5.0
DAILY VALUE	8.5	9.2	9.5	8.0	8.3	8.5	6.5	6.7	7.0	4.5	4.7	5.0
0001 - 0600	9.5	9.5	9.5	8.0	8.2	8.5	6.5	6.5	6.5	5.0	5.0	5.0
0601 - 1200	9.0	9.0	9.0	8.0	8.0	8.0	6.5	6.5	6.5	5.0	5.0	5.0
1201 - 1800	9.0	9.0	9.0	8.0	8.0	8.0	6.5	6.5	6.5	5.5	5.7	6.0
1801 - 2400	9.0	9.0	9.0	7.5	7.7	8.0	6.5	6.5	6.5	6.0	6.0	6.0
DAILY VALUE	9.0	9.1	9.5	7.5	8.0	8.5	6.5	6.5	6.5	5.0	5.4	6.0
0001 - 0600	8.5	8.7	9.0	7.0	7.3	7.5	6.5	6.5	6.5	5.5	5.5	5.5
0601 - 1200	8.5	8.5	8.5	6.5	6.5	6.5	6.5	6.5	6.5	5.0	5.0	5.0
1201 - 1800	8.5	8.8	9.0	6.5	6.5	6.5	6.5	6.5	6.5	5.0	5.0	5.0
1801 - 2400	9.0	9.0	9.0	6.5	6.5	6.5	6.5	6.5	6.5	4.5	4.8	5.0
DAILY VALUE	8.5	8.7	9.0	6.5	6.7	7.5	6.5	6.5	6.5	4.5	5.1	5.5
0001 - 0600	8.5	8.7	9.0	6.5	6.5	6.5	6.5	6.5	6.5	4.5	4.5	4.5
0601 - 1200	8.5	8.5	8.5	6.5	6.5	6.5	6.5	6.5	6.5	4.5	4.5	4.5
1201 - 1800	8.5	8.5	8.5	6.5	6.5	6.5	6.5	6.5	6.5	4.5	4.5	4.5
1801 - 2400	8.5	8.5	8.5	6.5	6.7	7.0	6.5	6.5	6.5	4.5	4.5	4.5
DAILY VALUE	8.5	8.5	9.0	6.5	6.5	7.0	6.5	6.5	6.5	4.5	4.5	4.5
0001 - 0600	8.0	8.2	8.5	6.5	6.8	7.0	6.0	6.3	6.5	4.5	4.5	4.5
0601 - 1200	7.5	7.7	8.0	6.5	6.5	6.5	6.0	6.0	6.0	4.5	4.5	4.5
1201 - 1800	8.0	8.0	8.0	7.0	7.0	7.0	6.5	6.5	6.5	5.0	5.0	5.0
1801 - 2400	8.0	8.0	8.0	7.0	7.0	7.0	6.5	6.5	6.5	5.0	5.0	5.0
DAILY VALUE	7.5	8.0	8.5	6.5	6.8	7.0	6.0	6.3	6.5	4.5	4.7	5.0
0001 - 0600	8.0	8.0	8.0	7.0	7.0	7.0	6.0	6.0	6.0	-----	-----	-----
0601 - 1200	8.0	8.2	8.5	7.0	7.0	7.0	5.5	5.5	5.5	-----	-----	-----
1201 - 1800	8.5	8.7	9.0	7.0	7.3	7.5	5.5	5.8	6.0	-----	-----	-----
1801 - 2400	9.0	9.0	9.0	7.5	7.5	7.5	5.5	5.8	6.0	-----	-----	-----
DAILY VALUE	8.0	8.5	9.0	7.0	7.2	7.5	5.5	5.8	6.0	-----	-----	-----
0001 - 0600	8.5	8.7	9.0	7.5	7.5	7.5	5.0	5.3	5.5	MONTHLY VALUE		
0601 - 1200	8.5	8.5	8.5	7.5	7.5	7.5	5.0	5.0	5.0			
1201 - 1800	9.0	9.0	9.0	7.5	7.8	8.0	5.0	5.0	5.0			
1801 - 2400	9.0	9.0	9.0	8.0	8.0	8.0	5.0	5.0	5.0			
DAILY VALUE	8.5	8.8	9.0	7.5	7.7	8.0	5.0	5.1	5.5	4.0	7.0	9.5

4-C-11

Appr 6 * Table 4-c-3 Cont.

- OCTOBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	4.5	4.8	5.0	.5	.8	1.0	0.0	0.0	0.0	----	----	----
0601 - 1200	4.5	4.5	4.5	1.0	1.0	1.0	0.0	0.0	0.0	----	----	----
1201 - 1800	4.5	4.8	5.0	1.0	1.3	1.5	0.0	0.0	0.0	----	----	----
1801 - 2400	5.0	5.0	5.0	1.5	1.5	1.5	0.0	0.0	0.0	----	----	----
DAILY VALUE	4.5	4.8	5.0	.5	1.2	1.5	0.0	0.0	0.0	----	----	----
0001 - 0600	4.5	4.8	5.0	1.5	1.5	1.5	----	----	----	----	----	----
0601 - 1200	4.5	4.5	4.5	1.5	1.5	1.5	----	----	----	----	----	----
1201 - 1800	4.5	4.5	4.5	1.5	1.5	1.5	----	----	----	----	----	----
1801 - 2400	4.5	4.5	4.5	1.5	1.5	1.5	----	----	----	----	----	----
DAILY VALUE	4.5	4.6	5.0	1.5	1.5	1.5	----	----	----	----	----	----
0001 - 0600	4.5	4.5	4.5	1.5	1.5	1.5	----	----	----	----	----	----
0601 - 1200	4.5	4.5	4.5	1.5	1.5	1.5	----	----	----	----	----	----
1201 - 1800	4.5	4.5	4.5	1.0	1.0	1.0	----	----	----	----	----	----
1801 - 2400	4.0	4.2	4.5	1.0	1.0	1.0	----	----	----	----	----	----
DAILY VALUE	4.0	4.4	4.5	1.0	1.2	1.5	----	----	----	----	----	----
0001 - 0600	----	----	----	1.0	1.0	1.0	----	----	----	----	----	----
0601 - 1200	----	----	----	1.0	1.0	1.0	----	----	----	----	----	----
1201 - 1800	4.5	4.5	4.5	1.0	1.3	1.5	----	----	----	----	----	----
1801 - 2400	4.0	4.2	4.5	1.0	1.0	1.0	----	----	----	----	----	----
DAILY VALUE	4.0	----	4.5	1.0	1.1	1.5	----	----	----	----	----	----
0001 - 0600	3.0	3.3	3.5	1.0	1.0	1.0	----	----	----	----	----	----
0601 - 1200	2.5	2.5	2.5	1.0	1.0	1.0	----	----	----	----	----	----
1201 - 1800	2.5	2.8	3.0	1.0	1.0	1.0	----	----	----	----	----	----
1801 - 2400	2.5	2.5	2.5	1.0	1.0	1.0	----	----	----	----	----	----
DAILY VALUE	2.5	2.8	3.5	1.0	1.0	1.0	----	----	----	----	----	----
0001 - 0600	2.0	2.3	2.5	1.0	1.0	1.0	----	----	----	----	----	----
0601 - 1200	1.5	1.8	2.0	.5	.5	.5	----	----	----	----	----	----
1201 - 1800	2.0	2.0	2.0	0.0	.2	.5	----	----	----	----	----	----
1801 - 2400	2.0	2.0	2.0	0.0	0.0	0.0	----	----	----	----	----	----
DAILY VALUE	1.5	2.0	2.5	0.0	.4	1.0	----	----	----	----	----	----
0001 - 0600	1.5	1.8	2.0	0.0	0.0	0.0	----	----	----	----	----	----
0601 - 1200	1.0	1.3	1.5	0.0	0.0	0.0	----	----	----	----	----	----
1201 - 1800	1.0	1.3	1.5	0.0	.2	.5	----	----	----	----	----	----
1801 - 2400	1.5	1.5	1.5	0.0	0.0	0.0	----	----	----	----	----	----
DAILY VALUE	1.0	1.5	2.0	0.0	.0	.5	----	----	----	----	----	----
0001 - 0600	1.5	1.5	1.5	0.0	0.0	0.0	----	----	----	MONTHLY VALUE		
0601 - 1200	1.0	1.2	1.5	----	----	----	----	----	----			
1201 - 1800	1.0	1.3	1.5	0.0	0.0	0.0	----	----	----	0.0 ---- 5.0		
1801 - 2400	.5	.8	1.0	0.0	0.0	0.0	----	----	----			
DAILY VALUE	.5	1.2	1.5	0.0	0.0	0.0	----	----	----			

Appendix Table 4-C-4

Thermograph data summary, summer surface water temperature (C),
Parks Highway Bridge West, RM 83.9, Geocode
S24N05W15BAB.

- JUNE 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	8.1	8.1	8.1	7.1	7.1	7.1	11.1	11.3	11.6
0601 - 1200	----	----	----	8.1	8.1	8.1	7.1	7.4	8.1	10.6	10.9	11.1
1201 - 1800	----	----	----	8.1	8.4	8.6	8.6	8.9	9.1	11.6	11.9	12.1
1801 - 2400	----	----	----	8.1	8.1	8.1	9.1	9.1	9.1	12.1	12.1	12.1
DAILY VALUE	----	----	----	8.1	8.2	8.6	7.1	8.1	9.1	10.6	11.6	12.1
0001 - 0600	----	----	----	7.6	7.6	7.6	9.1	9.1	9.1	11.1	11.4	11.6
0601 - 1200	----	----	----	7.6	7.6	7.6	9.1	9.1	9.1	10.6	10.8	11.1
1201 - 1800	----	----	----	7.6	7.6	7.6	9.6	9.6	9.6	11.6	11.6	11.6
1801 - 2400	----	----	----	7.6	7.6	7.6	9.1	9.1	9.1	11.1	11.4	11.6
DAILY VALUE	----	----	----	7.6	7.6	7.6	9.1	9.2	9.6	10.6	11.3	11.6
0001 - 0600	----	----	----	7.6	7.6	7.6	8.6	8.8	9.1	10.1	10.6	11.1
0601 - 1200	----	----	----	7.6	7.6	7.6	8.6	9.1	9.6	10.1	10.3	10.6
1201 - 1800	----	----	----	7.6	7.6	7.6	10.1	10.4	10.6	10.1	10.3	10.6
1801 - 2400	----	----	----	7.6	7.6	7.6	10.6	10.6	10.6	10.1	10.1	10.1
DAILY VALUE	----	----	----	7.6	7.6	7.6	8.6	9.7	10.6	10.1	10.3	11.1
0001 - 0600	----	----	----	7.6	7.6	7.6	9.6	9.9	10.1	9.6	9.9	10.1
0601 - 1200	----	----	----	7.6	7.6	7.6	9.1	9.4	9.6	9.6	9.6	9.6
1201 - 1800	----	----	----	7.6	7.6	7.6	8.6	8.8	9.1	10.1	10.1	10.1
1801 - 2400	----	----	----	7.6	7.6	7.6	7.6	7.9	8.1	10.1	10.1	10.1
DAILY VALUE	----	----	----	7.6	7.6	7.6	7.6	9.0	10.1	9.6	9.9	10.1
0001 - 0600	----	----	----	7.6	7.6	7.6	7.1	7.4	7.6	9.1	9.4	9.6
0601 - 1200	----	----	----	7.6	7.8	8.1	7.1	7.6	8.1	8.6	8.9	9.1
1201 - 1800	----	----	----	8.1	8.4	8.6	8.6	8.6	8.6	9.1	9.4	9.6
1801 - 2400	----	----	----	8.1	8.3	8.6	8.6	8.6	8.6	9.6	9.8	10.1
DAILY VALUE	----	----	----	7.6	8.0	8.6	7.1	8.1	8.6	8.6	9.4	10.1
0001 - 0600	----	----	----	8.1	8.1	8.1	8.6	8.6	8.6	9.1	9.4	9.6
0601 - 1200	----	----	----	8.1	8.3	8.6	8.6	8.8	9.1	9.1	9.1	9.1
1201 - 1800	----	----	----	9.6	9.6	9.6	9.6	9.6	9.6	9.1	9.1	9.1
1801 - 2400	----	----	----	9.6	9.6	9.6	9.6	9.6	9.6	9.1	9.1	9.1
DAILY VALUE	----	----	----	8.1	8.9	9.6	8.6	9.1	9.6	9.1	9.2	9.6
0001 - 0600	----	----	----	9.1	9.4	9.6	9.6	9.6	9.6	-----	-----	-----
0601 - 1200	----	----	----	8.6	8.8	9.1	9.1	9.4	9.6	-----	-----	-----
1201 - 1800	----	----	----	8.6	8.6	8.6	10.1	10.4	10.6	-----	-----	-----
1801 - 2400	----	----	----	7.6	7.9	8.1	10.6	10.6	10.6	-----	-----	-----
DAILY VALUE	----	----	----	7.6	8.7	9.6	9.1	10.0	10.6	-----	-----	-----
0001 - 0600	----	----	----	7.1	7.3	7.6	10.1	10.3	10.6	MONTHLY VALUE		
0601 - 1200	----	----	----	6.6	6.9	7.1	10.1	10.3	10.6			
1201 - 1800	8.1	8.1	8.1	7.1	7.1	7.1	11.1	11.4	11.6			
1801 - 2400	8.1	8.1	8.1	7.1	7.1	7.1	11.6	11.6	11.6			
DAILY VALUE	8.1	-----	8.1	6.6	7.1	7.6	10.1	10.9	11.6			

Appendix Table 4-C-4 Cont.

- JULY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	8.1	8.4	8.6	10.1	10.4	10.6	---	---	---	---	---	---
0601 - 1200	8.1	8.3	8.6	9.1	9.3	9.6	---	---	---	---	---	---
1201 - 1800	9.1	9.3	9.6	9.6	10.1	10.6	---	---	---	---	---	---
1801 - 2400	8.6	8.9	9.1	10.1	---	10.1	---	---	---	---	---	---
DAILY VALUE	8.1	8.7	9.6	9.1	9.9	10.6	---	---	---	---	---	---
0001 - 0600	8.1	8.3	8.6	---	---	---	---	---	---	---	---	---
0601 - 1200	7.6	7.8	8.1	---	---	---	---	---	---	---	---	---
1201 - 1800	8.1	8.4	8.6	---	---	---	---	---	---	---	---	---
1801 - 2400	8.6	8.6	8.6	---	---	---	---	---	---	---	---	---
DAILY VALUE	7.6	8.3	8.6	---	---	---	---	---	---	---	---	---
0001 - 0600	8.1	8.3	8.6	---	---	---	---	---	---	---	---	---
0601 - 1200	8.1	8.3	8.6	---	---	---	---	---	---	---	---	---
1201 - 1800	9.1	9.6	10.1	---	---	---	---	---	---	---	---	---
1801 - 2400	10.1	10.1	10.1	---	---	---	---	---	---	---	---	---
DAILY VALUE	8.1	9.1	10.1	---	---	---	---	---	---	---	---	---
0001 - 0600	9.6	9.8	10.1	---	---	---	---	---	---	---	---	---
0601 - 1200	9.1	9.3	9.6	---	---	---	---	---	---	---	---	---
1201 - 1800	9.6	10.1	10.6	---	---	---	---	---	---	---	---	---
1801 - 2400	10.1	10.1	10.1	---	---	---	---	---	---	---	---	---
DAILY VALUE	9.1	9.8	10.6	---	---	---	---	---	---	---	---	---
0001 - 0600	10.1	10.1	10.1	---	---	---	---	---	---	---	---	---
0601 - 1200	9.6	9.6	9.6	---	---	---	---	---	---	---	---	---
1201 - 1800	9.6	9.8	10.1	---	---	---	---	---	---	---	---	---
1801 - 2400	10.1	10.1	10.1	---	---	---	---	---	---	---	---	---
DAILY VALUE	9.6	9.9	10.1	---	---	---	---	---	---	---	---	---
0001 - 0600	10.1	10.1	10.1	---	---	---	---	---	---	---	---	---
0601 - 1200	9.1	9.4	9.6	---	---	---	---	---	---	---	---	---
1201 - 1800	9.6	9.6	9.6	---	---	---	---	---	---	---	---	---
1801 - 2400	9.6	9.6	9.6	---	---	---	---	---	---	---	---	---
DAILY VALUE	9.1	9.7	10.1	---	---	---	---	---	---	---	---	---
0001 - 0600	9.6	9.6	9.6	---	---	---	---	---	---	---	---	---
0601 - 1200	9.6	9.6	9.6	---	---	---	---	---	---	---	---	---
1201 - 1800	10.1	10.6	11.1	---	---	---	---	---	---	---	---	---
1801 - 2400	11.1	11.4	11.6	---	---	---	---	---	---	---	---	---
DAILY VALUE	9.6	10.3	11.6	---	---	---	---	---	---	---	---	---
0001 - 0600	9.6	10.1	11.1	---	---	---	---	---	---	MONTHLY VALUE		
0601 - 1200	10.6	10.8	11.1	---	---	---	---	---	---			
1201 - 1800	10.6	10.6	10.6	---	---	---	---	---	---			
1801 - 2400	10.6	10.6	10.6	---	---	---	---	---	---			
DAILY VALUE	9.6	10.5	11.1	---	---	---	---	---	---			

4-C-14

App

Table 4-C-5

Thermograph data summary, summer surface water temperature (C),
Parks Highway Bridge East, RM 83.9, Geocode
S24N05W15BAD.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	---	---	---	---	---	---	---	---	---	9.5	9.7	10.0
0601 - 1200	---	---	---	---	---	---	---	---	---	9.5	9.5	9.5
1201 - 1800	---	---	---	---	---	---	---	---	---	9.5	9.8	10.0
1801 - 2400	---	---	---	---	---	---	---	---	---	9.5	9.7	10.0
DAILY VALUE	---	---	---	---	---	---	---	---	---	9.5	9.7	10.0
0001 - 0600	---	---	---	---	---	---	---	---	---	9.5	9.5	9.5
0601 - 1200	---	---	---	---	---	---	---	---	---	9.0	9.2	9.5
1201 - 1800	---	---	---	---	---	---	---	---	---	9.5	9.8	10.0
1801 - 2400	---	---	---	---	---	---	---	---	---	10.0	10.0	10.0
DAILY VALUE	---	---	---	---	---	---	---	---	---	9.0	9.6	10.0
0001 - 0600	---	---	---	---	---	---	---	---	---	9.0	9.3	9.5
0601 - 1200	---	---	---	---	---	---	---	---	---	9.0	9.0	9.0
1201 - 1800	---	---	---	---	---	---	---	---	---	9.5	9.5	9.5
1801 - 2400	---	---	---	---	---	---	---	---	---	9.5	9.5	9.5
DAILY VALUE	---	---	---	---	---	---	---	---	---	9.0	9.3	9.5
0001 - 0600	---	---	---	---	---	---	---	---	---	9.0	9.0	9.0
0601 - 1200	---	---	---	---	---	---	---	---	---	8.5	8.5	8.5
1201 - 1800	---	---	---	---	---	---	---	---	---	8.5	8.8	9.0
1801 - 2400	---	---	---	---	---	---	---	---	---	9.0	9.0	9.0
DAILY VALUE	---	---	---	---	---	---	---	---	---	8.5	8.8	9.0
0001 - 0600	---	---	---	---	---	---	---	---	---	8.5	8.5	8.5
0601 - 1200	---	---	---	---	---	---	---	---	---	8.5	8.5	8.5
1201 - 1800	---	---	---	---	---	---	---	---	---	8.5	8.5	8.5
1801 - 2400	---	---	---	---	---	---	---	---	---	8.5	8.5	8.5
DAILY VALUE	---	---	---	---	---	---	---	---	---	8.5	8.5	8.5
0001 - 0600	---	---	---	---	---	---	---	---	---	8.5	8.5	8.5
0601 - 1200	---	---	---	---	---	---	---	---	---	8.0	8.0	8.0
1201 - 1800	---	---	---	---	---	---	---	---	---	8.0	8.0	8.0
1801 - 2400	---	---	---	---	---	---	10.0	10.0	10.0	8.0	8.0	8.0
DAILY VALUE	---	---	---	---	---	---	10.0	---	10.0	8.0	8.1	8.5
0001 - 0600	---	---	---	---	---	---	10.0	10.0	10.0	8.0	8.0	8.0
0601 - 1200	---	---	---	---	---	---	10.0	10.0	10.0	8.0	8.0	8.0
1201 - 1800	---	---	---	---	---	---	10.5	10.5	10.5	8.0	8.0	8.0
1801 - 2400	---	---	---	---	---	---	10.0	10.3	10.5	8.0	8.0	8.0
DAILY VALUE	---	---	---	---	---	---	10.0	10.2	10.5	8.0	8.0	8.0
0001 - 0600	---	---	---	---	---	---	9.5	9.8	10.0	MONTHLY VALUE		
0601 - 1200	---	---	---	---	---	---	9.5	9.5	9.5			
1201 - 1800	---	---	---	---	---	---	9.5	9.8	10.0			
1801 - 2400	---	---	---	---	---	---	10.0	10.0	10.0			
DAILY VALUE	---	---	---	---	---	---	9.5	9.8	10.0	8.0	---	10.5

4-C-15

Appendix Table 4-C-5 Cont.

- SEPTEMBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	8.0	8.0	8.0	7.5	7.5	7.5	6.5	6.5	6.5	4.1	4.3	4.6
0601 - 1200	8.0	8.0	8.0	7.5	7.5	7.5	6.5	6.5	6.5	4.1	4.1	4.1
1201 - 1800	8.5	8.7	9.0	7.5	7.7	8.0	6.0	6.0	6.0	4.1	4.3	4.6
1801 - 2400	8.5	8.5	8.5	7.5	7.7	8.0	6.0	6.0	6.0	4.6	4.6	4.6
DAILY VALUE	8.0	8.3	9.0	7.5	7.6	8.0	6.0	6.2	6.5	4.1	4.3	4.6
0001 - 0600	8.0	8.2	8.5	7.5	7.5	7.5	6.0	6.0	6.0	4.6	4.6	4.6
0601 - 1200	8.0	8.0	8.0	7.5	7.5	7.5	6.0	6.0	6.0	4.6	4.6	4.6
1201 - 1800	8.5	8.5	8.5	7.5	7.5	7.5	6.0	6.0	6.0	4.6	4.6	4.6
1801 - 2400	8.5	8.5	8.5	7.5	7.5	7.5	6.0	6.0	6.0	4.6	4.6	4.6
DAILY VALUE	8.0	8.3	8.5	7.5	7.5	7.5	6.0	6.0	6.0	4.6	4.6	4.6
0001 - 0600	8.0	8.0	8.0	7.0	7.3	7.5	6.0	6.0	6.0	4.6	4.6	4.6
0601 - 1200	8.0	8.0	8.0	7.0	7.0	7.0	6.0	6.0	6.0	4.6	4.8	5.1
1201 - 1800	8.0	8.0	8.0	7.0	7.0	7.0	6.0	6.0	6.0	5.1	5.4	5.6
1801 - 2400	8.0	8.0	8.0	6.5	6.8	7.0	6.0	6.0	6.0	4.6	5.1	5.6
DAILY VALUE	8.0	8.0	8.0	6.5	7.0	7.5	6.0	6.0	6.0	4.6	5.0	5.6
0001 - 0600	7.5	7.7	8.0	5.5	5.8	6.0	6.0	6.0	6.0	4.6	4.6	4.6
0601 - 1200	7.5	7.5	7.5	5.5	5.5	5.5	6.0	6.2	6.6	4.1	4.1	4.1
1201 - 1800	8.0	8.2	8.5	5.5	5.7	6.0	6.1	6.1	6.1	4.1	4.1	4.1
1801 - 2400	8.0	8.0	8.0	6.0	6.0	6.0	6.1	6.1	6.1	4.1	4.1	4.1
DAILY VALUE	7.5	7.8	8.5	5.5	5.7	6.0	6.0	6.1	6.6	4.1	4.2	4.6
0001 - 0600	7.5	7.5	7.5	6.0	6.0	6.0	6.1	6.1	6.1	4.1	4.1	4.1
0601 - 1200	7.5	7.5	7.5	5.5	5.7	6.0	6.1	6.1	6.1	4.1	4.1	4.1
1201 - 1800	7.5	7.5	7.5	6.0	6.0	6.0	6.1	6.1	6.1	4.1	4.4	4.6
1801 - 2400	7.5	7.5	7.5	6.0	6.0	6.0	6.1	6.1	6.1	4.6	4.6	4.6
DAILY VALUE	7.5	7.5	7.5	5.5	5.9	6.0	6.1	6.1	6.1	4.1	4.3	4.6
0001 - 0600	7.5	7.5	7.5	6.0	6.0	6.0	5.6	5.8	6.1	4.6	4.6	4.6
0601 - 1200	7.0	7.0	7.0	6.0	6.0	6.0	5.6	5.6	5.6	4.6	4.6	4.6
1201 - 1800	7.5	7.5	7.5	6.5	6.5	6.5	6.1	6.1	6.1	4.6	4.6	4.6
1801 - 2400	7.5	7.5	7.5	6.5	6.5	6.5	5.6	5.8	6.1	4.6	4.6	4.6
DAILY VALUE	7.0	7.4	7.5	6.0	6.2	6.5	5.6	5.8	6.1	4.6	4.6	4.6
0001 - 0600	7.5	7.5	7.5	6.5	6.5	6.5	5.1	5.3	5.6	-----	-----	-----
0601 - 1200	7.5	7.5	7.5	6.5	6.5	6.5	4.6	4.6	4.6	-----	-----	-----
1201 - 1800	8.0	8.3	8.5	6.5	6.5	6.5	5.1	5.4	5.6	-----	-----	-----
1801 - 2400	8.0	8.3	8.5	6.5	6.8	7.0	5.1	5.3	5.6	-----	-----	-----
DAILY VALUE	7.5	7.9	8.5	6.5	6.6	7.0	4.6	5.1	5.6	-----	-----	-----
0001 - 0600	8.0	8.0	8.0	7.0	7.0	7.0	4.6	4.6	4.6	MONTHLY VALUE		
0601 - 1200	8.0	8.0	8.0	7.0	7.0	7.0	4.1	4.1	4.1			
1201 - 1800	8.0	8.0	8.0	7.0	7.0	7.0	4.1	4.4	4.6			
1801 - 2400	7.5	7.8	8.0	6.5	6.7	7.0	4.6	4.6	4.6	4.1 6.3 9.0		
DAILY VALUE	7.5	8.0	8.0	6.5	6.9	7.0	4.1	4.4	4.6			

Table 4-C-5 Cont.

- OCTOBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	4.6	4.6	4.6	1.2	1.2	1.2	.2	.2	.2	.2	.2	.2
0601 - 1200	4.6	4.6	4.6	1.2	1.2	1.2	.2	.2	.2	.2	.2	.2
1201 - 1800	4.6	4.6	4.6	1.2	1.2	1.2	.2	.2	.2	.2	.2	.2
1801 - 2400	4.6	4.6	4.6	1.2	1.5	1.7	.2	.2	.2	.2	.2	.2
DAILY VALUE	4.6	4.6	4.6	1.2	1.3	1.7	.2	.2	.2	.2	.2	.2
0001 - 0600	4.1	4.1	4.1	1.2	1.2	1.2	.2	.2	.2	.2	.2	.2
0601 - 1200	4.1	4.1	4.1	1.2	1.2	1.2	.2	.2	.2	.2	---	.2
1201 - 1800	4.1	4.1	4.1	1.2	1.5	1.7	.2	.2	.2	---	---	---
1801 - 2400	4.1	4.1	4.1	1.2	1.4	1.7	.2	.2	.2	---	---	---
DAILY VALUE	4.1	4.1	4.1	1.2	1.3	1.7	.2	.2	.2	.2	---	.2
0001 - 0600	4.1	4.1	4.1	1.2	1.2	1.2	.2	.2	.2	---	---	---
0601 - 1200	3.6	3.8	4.1	1.2	1.2	1.2	.2	.2	.2	---	---	---
1201 - 1800	3.6	3.6	3.6	1.2	1.2	1.2	.2	.2	.2	---	---	---
1801 - 2400	3.6	3.6	3.6	1.2	1.2	1.2	.2	.2	.2	---	---	---
DAILY VALUE	3.6	3.8	4.1	1.2	1.2	1.2	.2	.2	.2	---	---	---
0001 - 0600	3.6	3.6	3.6	1.2	1.2	1.2	.2	.2	.2	---	---	---
0601 - 1200	2.6	2.9	3.1	.7	.7	.7	.2	.2	.2	---	---	---
1201 - 1800	3.1	3.1	3.2	1.2	1.2	1.2	.2	.2	.2	---	---	---
1801 - 2400	2.7	2.9	3.2	1.2	1.2	1.2	.2	.2	.2	---	---	---
DAILY VALUE	2.6	3.1	3.6	.7	1.1	1.2	.2	.2	.2	---	---	---
0001 - 0600	2.2	2.2	2.2	1.2	1.2	1.2	.2	.2	.2	---	---	---
0601 - 1200	1.7	1.7	1.7	.7	.7	.7	.2	.2	.2	---	---	---
1201 - 1800	1.7	2.0	2.2	.7	.7	.7	.2	.2	.2	---	---	---
1801 - 2400	1.7	1.9	2.2	.7	.7	.7	.2	.2	.2	---	---	---
DAILY VALUE	1.7	1.9	2.2	.7	.8	1.2	.2	.2	.2	---	---	---
0001 - 0600	1.2	1.5	1.7	.7	.7	.7	.2	.2	.2	---	---	---
0601 - 1200	1.2	1.2	1.2	.7	.7	.7	.2	.2	.2	---	---	---
1201 - 1800	1.2	1.5	1.7	.7	.7	.7	.2	.2	.2	---	---	---
1801 - 2400	1.7	1.7	1.7	.7	.7	.7	.2	.2	.2	---	---	---
DAILY VALUE	1.2	1.5	1.7	.7	.7	.7	.2	.2	.2	---	---	---
0001 - 0600	1.7	1.7	1.7	.2	.5	.7	.2	.2	.2	---	---	---
0601 - 1200	1.2	1.4	1.7	.2	.2	.2	.2	.2	.2	---	---	---
1201 - 1800	1.2	1.2	1.2	.2	.2	.2	.2	.2	.2	---	---	---
1801 - 2400	1.2	1.2	1.2	.2	.2	.2	.2	.2	.2	---	---	---
DAILY VALUE	1.2	1.4	1.7	.2	.3	.7	.2	.2	.2	---	---	---
0001 - 0600	.7	.7	.7	.2	.2	.2	.2	.2	.2	MONTHLY VALUE		
0601 - 1200	.7	.9	1.2	.2	.2	.2	.2	.2	.2			
1201 - 1800	1.2	1.2	1.2	.2	.2	.2	.2	.2	.2			
1801 - 2400	1.2	1.2	1.2	.2	.2	.2	.2	.2	.2	.2	1.2	4.6
DAILY VALUE	.7	1.0	1.2	.2	.2	.2	.2	.2	.2			

Appendix Table 4-C-6

Thermograph data summary, summer surface water temperature (C),
LRX 1, RM 97.0, Geocode S26N05W23DCB.

- JUNE 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	7.6	7.6	7.6	6.1	6.1	6.1	----	----	----
0601 - 1200	----	----	----	7.1	7.3	7.6	6.1	6.3	6.6	----	----	----
1201 - 1800	----	----	----	7.6	7.6	7.6	7.1	7.6	8.1	----	----	----
1801 - 2400	----	----	----	7.1	7.4	7.6	8.6	8.9	9.1	----	----	----
DAILY VALUE	----	----	----	7.1	7.5	7.6	6.1	7.2	9.1	----	----	----
0001 - 0600	----	----	----	6.6	6.9	7.1	8.6	8.9	9.1	----	----	----
0601 - 1200	----	----	----	6.6	6.6	6.6	8.1	8.1	8.1	----	----	----
1201 - 1800	----	----	----	6.6	6.8	7.1	8.1	8.1	8.1	----	----	----
1801 - 2400	----	----	----	7.6	7.6	7.6	8.6	8.9	9.1	----	----	----
DAILY VALUE	----	----	----	6.6	7.0	7.6	8.1	8.5	9.1	----	----	----
0001 - 0600	----	----	----	6.6	6.8	7.1	7.6	8.1	8.6	----	----	----
0601 - 1200	----	----	----	6.6	6.6	6.6	7.6	7.6	7.6	----	----	----
1201 - 1800	----	----	----	6.6	6.6	6.6	8.6	9.1	9.6	----	----	----
1801 - 2400	----	----	----	6.6	6.6	6.6	10.1	10.1	10.1	----	----	----
DAILY VALUE	----	----	----	6.6	6.6	7.1	7.6	8.7	10.1	----	----	----
0001 - 0600	----	----	----	6.6	6.6	6.6	9.6	9.8	10.1	----	----	----
0601 - 1200	----	----	----	6.6	6.6	6.6	8.6	8.8	9.1	----	----	----
1201 - 1800	----	----	----	6.6	6.6	6.6	7.6	7.9	8.1	----	----	----
1801 - 2400	----	----	----	6.6	6.9	7.1	7.6	7.6	7.6	----	----	----
DAILY VALUE	----	----	----	6.6	6.7	7.1	7.6	8.5	10.1	----	----	----
0001 - 0600	----	----	----	6.6	6.6	6.6	6.6	7.1	7.6	----	----	----
0601 - 1200	----	----	----	6.6	6.6	6.6	6.6	6.8	7.1	----	----	----
1201 - 1800	----	----	----	6.6	7.1	7.6	7.6	7.8	8.1	----	----	----
1801 - 2400	----	----	----	7.6	7.6	7.6	8.6	8.6	8.6	----	----	----
DAILY VALUE	----	----	----	6.6	7.0	7.6	6.6	7.6	8.6	----	----	----
0001 - 0600	----	----	----	7.1	7.4	7.6	8.1	8.4	8.6	----	----	----
0601 - 1200	----	----	----	6.6	6.6	6.6	7.6	7.6	7.6	----	----	----
1201 - 1800	----	----	----	7.6	8.1	8.6	8.1	8.4	8.6	----	----	----
1801 - 2400	----	----	----	8.6	8.6	8.6	9.1	9.3	9.6	----	----	----
DAILY VALUE	----	----	----	6.6	7.7	8.6	7.6	8.4	9.6	----	----	----
0001 - 0600	----	----	----	8.6	8.6	8.6	8.6	9.1	9.6	----	----	----
0601 - 1200	----	----	----	7.6	7.8	8.1	7.6	7.9	8.1	----	----	----
1201 - 1800	----	----	----	7.1	7.3	7.6	8.6	9.1	9.6	----	----	----
1801 - 2400	----	----	----	6.6	6.8	7.1	9.6	9.6	9.6	----	----	----
DAILY VALUE	----	----	----	6.6	7.6	8.6	7.6	8.9	9.6	----	----	----
0001 - 0600	----	----	----	5.6	5.9	6.1	9.1	9.4	9.6	MONTHLY VALUE		
0601 - 1200	----	----	----	5.6	5.6	5.6	8.6	8.6	8.6			
1201 - 1800	7.1	7.3	7.6	5.6	5.6	5.6	9.6	-----	9.6			
1801 - 2400	7.6	7.6	7.6	5.6	5.6	5.6	-----	-----	-----			
DAILY VALUE	7.1	-----	7.6	5.6	5.7	6.1	8.6	-----	9.6	5.6	-----	10.1

4-C-18

Table 4-C-7 Thermograph data summary, summer surface water temperature (C),
Talkeetna River, RM 97.2, TRM 1.5, Geocode
S26N05W24BDA.

- JUNE 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	6.9	6.9	6.9	5.9	5.9	5.9	----	----	----
0601 - 1200	----	----	----	6.4	6.4	6.4	5.9	6.1	6.4	----	----	----
1201 - 1800	----	----	----	6.4	6.4	6.4	7.4	8.2	8.9	----	----	----
1801 - 2400	----	----	----	6.9	6.9	6.9	9.4	9.4	9.4	----	----	----
DAILY VALUE	----	----	----	6.4	6.6	6.9	5.9	7.4	9.4	----	----	----
0001 - 0600	----	----	----	6.9	6.9	6.9	8.4	8.6	8.9	----	----	----
0601 - 1200	----	----	----	6.9	6.9	6.9	7.9	7.9	7.9	----	----	----
1201 - 1800	----	----	----	6.9	6.9	6.9	7.9	7.9	7.9	----	----	----
1801 - 2400	----	----	----	6.9	6.9	6.9	7.9	7.9	7.9	----	----	----
DAILY VALUE	----	----	----	6.9	6.9	6.9	7.9	8.1	8.9	----	----	----
0001 - 0600	----	----	----	6.4	6.7	6.9	7.4	7.6	7.9	----	----	----
0601 - 1200	----	----	----	5.9	6.1	6.4	7.4	7.4	7.4	----	----	----
1201 - 1800	----	----	----	6.4	6.4	6.4	8.4	8.9	9.4	----	----	----
1801 - 2400	----	----	----	6.4	6.4	6.4	9.4	9.4	9.4	----	----	----
DAILY VALUE	----	----	----	5.9	6.4	6.9	7.4	8.3	9.4	----	----	----
0001 - 0600	----	----	----	6.4	6.4	6.4	8.9	9.2	9.4	----	----	----
0601 - 1200	----	----	----	6.4	6.4	6.4	7.4	7.9	8.4	----	----	----
1201 - 1800	----	----	----	6.4	6.4	6.4	6.9	7.2	7.4	----	----	----
1801 - 2400	----	----	----	6.4	6.4	6.4	6.4	6.4	6.4	----	----	----
DAILY VALUE	----	----	----	6.4	6.4	6.4	6.4	7.7	9.4	----	----	----
0001 - 0600	----	----	----	6.4	6.4	6.4	6.4	6.4	6.4	----	----	----
0601 - 1200	----	----	----	5.9	6.1	6.4	6.4	6.6	6.9	----	----	----
1201 - 1800	----	----	----	6.4	6.7	6.9	7.4	7.4	7.4	----	----	----
1801 - 2400	----	----	----	6.9	6.9	6.9	7.9	7.9	7.9	----	----	----
DAILY VALUE	----	----	----	5.9	6.5	6.9	6.4	7.1	7.9	----	----	----
0001 - 0600	----	----	----	6.9	6.9	6.9	7.9	7.9	7.9	----	----	----
0601 - 1200	----	----	----	6.9	7.1	7.4	7.4	7.6	7.9	----	----	----
1201 - 1800	----	----	----	8.4	8.9	9.4	8.4	8.9	9.4	----	----	----
1801 - 2400	----	----	----	8.9	9.1	9.4	8.9	9.2	9.4	----	----	----
DAILY VALUE	----	----	----	6.9	8.0	9.4	7.4	8.4	9.4	----	----	----
0001 - 0600	----	----	----	7.9	8.2	8.4	8.4	8.6	8.9	----	----	----
0601 - 1200	----	----	----	7.4	7.6	7.9	8.4	8.4	8.4	----	----	----
1201 - 1800	----	----	----	6.4	6.6	6.9	8.9	9.6	10.4	----	----	----
1801 - 2400	----	----	----	6.4	6.4	6.4	10.4	10.4	10.4	----	----	----
DAILY VALUE	----	----	----	6.4	7.2	8.4	8.4	9.2	10.4	----	----	----
0001 - 0600	----	----	----	5.9	5.9	5.9	9.4	9.9	10.4	MONTHLY VALUE		
0601 - 1200	----	----	----	5.9	5.9	5.9	9.4	9.4	9.4			
1201 - 1800	6.4	6.6	6.9	5.9	5.9	5.9	9.4	-----	9.4			
1801 - 2400	6.9	6.9	6.9	5.9	5.9	5.9	-----	-----	-----	5.9 ----- 10.4		
DAILY VALUE	6.4	-----	6.9	5.9	5.9	5.9	9.4	-----	10.4			

Appendix Table 4-C-1 Cont.

- JULY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	9.0	----	9.0
1201 - 1800	----	----	----	----	----	----	----	----	----	9.0	9.2	9.5
1801 - 2400	----	----	----	----	----	----	----	----	----	9.0	9.3	9.5
DAILY VALUE	----	----	----	----	----	----	----	----	----	9.0	----	9.5
0001 - 0600	----	----	----	----	----	----	----	----	----	MONTHLY VALUE		
0601 - 1200	----	----	----	----	----	----	----	----	----			
1201 - 1800	----	----	----	----	----	----	----	----	----			
1801 - 2400	----	----	----	----	----	----	----	----	----	9.0	----	9.5
DAILY VALUE	----	----	----	----	----	----	----	----	----			

TABLE 4-C-7 CONT.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	8.5	8.8	9.0	9.0	9.0	9.0	9.5	9.5	9.5	9.5	9.5	9.5
0601 - 1200	8.5	8.5	8.5	9.0	9.0	9.0	9.5	9.5	9.5	9.5	9.5	9.5
1201 - 1800	9.0	9.5	10.0	9.0	9.0	9.0	9.0	9.0	9.0	9.5	9.8	10.0
1801 - 2400	9.5	9.7	10.0	9.0	9.0	9.0	8.5	8.8	9.0	9.5	9.5	9.5
DAILY VALUE	8.5	9.1	10.0	9.0	9.0	9.0	8.5	9.2	9.5	9.5	9.6	10.0
0001 - 0600	9.0	9.3	9.5	9.0	9.0	9.0	8.5	8.5	8.5	9.0	9.3	9.5
0601 - 1200	8.5	8.7	9.0	9.0	9.0	9.0	8.5	8.5	8.5	9.0	9.2	9.5
1201 - 1800	9.0	9.3	9.5	9.0	9.0	9.0	9.0	9.0	9.0	10.0	10.3	10.5
1801 - 2400	9.5	9.5	9.5	8.5	8.7	9.0	8.5	8.8	9.0	10.0	10.2	10.5
DAILY VALUE	8.5	9.2	9.5	8.5	8.9	9.0	8.5	8.7	9.0	9.0	9.7	10.5
0001 - 0600	9.5	9.5	9.5	8.5	8.5	8.5	8.5	8.5	8.5	9.0	9.3	9.5
0601 - 1200	9.0	9.2	9.5	8.5	8.7	9.0	8.5	9.0	9.5	9.0	9.0	9.0
1201 - 1800	10.0	10.3	10.5	9.5	9.8	10.0	10.0	10.3	10.5	9.5	9.5	9.5
1801 - 2400	10.0	10.3	10.5	9.5	9.7	10.0	9.5	10.0	10.5	9.0	9.3	9.5
DAILY VALUE	9.0	9.8	10.5	8.5	9.2	10.0	8.5	9.5	10.5	9.0	9.3	9.5
0001 - 0600	9.5	9.8	10.0	9.0	9.2	9.5	9.0	9.2	9.5	8.5	8.5	8.5
0601 - 1200	9.5	9.5	9.5	8.5	9.0	9.5	9.0	9.3	9.5	9.0	9.0	9.0
1201 - 1800	10.0	10.3	10.5	10.0	10.2	10.5	10.5	10.8	11.0	9.5	9.5	9.5
1801 - 2400	10.5	10.5	10.5	10.0	10.2	10.5	10.5	10.7	11.0	8.5	9.0	9.5
DAILY VALUE	9.5	10.0	10.5	8.5	9.6	10.5	9.0	10.0	11.0	8.5	9.0	9.5
0001 - 0600	10.0	10.2	10.5	9.5	9.5	9.5	9.5	9.7	10.0	8.5	8.5	8.5
0601 - 1200	9.5	9.8	10.0	9.5	10.0	10.5	9.5	9.7	10.0	8.5	8.7	9.0
1201 - 1800	10.5	10.8	11.0	11.0	11.2	11.5	10.5	10.8	11.0	9.0	9.0	9.0
1801 - 2400	10.5	10.7	11.0	11.0	11.0	11.0	10.5	10.7	11.0	8.5	8.5	8.5
DAILY VALUE	9.5	10.4	11.0	9.5	10.4	11.5	9.5	10.2	11.0	8.5	8.7	9.0
0001 - 0600	9.5	9.8	10.0	10.5	10.7	11.0	9.5	9.7	10.0	8.5	8.5	8.5
0601 - 1200	9.5	9.5	9.5	10.5	10.8	11.0	9.0	9.2	9.5	8.5	8.5	8.5
1201 - 1800	10.0	10.3	10.5	10.5	10.5	10.5	10.0	10.2	10.5	8.5	8.5	8.5
1801 - 2400	10.5	10.5	10.5	10.0	10.3	10.5	10.0	10.0	10.0	8.0	8.3	8.5
DAILY VALUE	9.5	10.0	10.5	10.0	10.6	11.0	9.0	9.7	10.5	8.0	8.5	8.5
0001 - 0600	10.0	10.0	10.0	9.5	9.8	10.0	10.0	10.0	10.0	8.0	8.0	8.0
0601 - 1200	10.0	10.0	10.0	9.5	9.5	9.5	10.0	10.0	10.0	8.0	8.0	8.0
1201 - 1800	10.0	10.0	10.0	10.0	10.2	10.5	10.0	10.3	10.5	8.0	8.3	8.5
1801 - 2400	9.0	9.3	9.5	9.5	9.7	10.0	9.5	9.8	10.0	8.5	8.5	8.5
DAILY VALUE	9.0	9.8	10.0	9.5	9.8	10.5	9.5	10.0	10.5	8.0	8.2	8.5
0001 - 0600	8.5	8.7	9.0	9.0	9.2	9.5	9.5	9.5	9.5	MONTHLY VALUE		
0601 - 1200	8.5	8.7	9.0	9.0	9.0	9.0	9.5	9.5	9.5			
1201 - 1800	9.5	9.5	9.5	9.0	9.3	9.5	10.0	10.0	10.0			
1801 - 2400	9.0	9.3	9.5	9.5	9.5	9.5	9.5	9.8	10.0			
DAILY VALUE	8.5	9.0	9.5	9.0	9.3	9.5	9.5	9.7	10.0	8.0	9.5	11.5

Appendix Table 4-C-7 Cont.

- SEPTEMBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	8.0	8.3	8.5	7.1	7.1	7.1	6.1	6.1	6.1	4.1	4.1	4.1
0601 - 1200	8.0	8.2	8.5	6.6	6.8	7.1	5.6	5.8	6.1	4.1	4.1	4.1
1201 - 1800	8.5	8.8	9.0	7.1	7.4	7.6	5.6	5.6	5.6	4.1	4.1	4.1
1801 - 2400	8.5	8.7	9.0	7.6	7.6	7.6	5.6	5.6	5.6	4.1	4.4	4.6
DAILY VALUE	8.0	8.5	9.0	6.6	7.2	7.6	5.6	5.8	6.1	4.1	4.2	4.6
0001 - 0600	8.0	8.0	8.0	7.1	7.1	7.1	5.6	5.6	5.6	4.6	4.6	4.6
0601 - 1200	8.0	8.2	8.5	7.1	7.1	7.1	5.6	5.6	5.6	4.6	4.6	4.6
1201 - 1800	8.5	8.8	9.0	7.1	7.4	7.6	5.6	5.6	5.6	5.1	5.1	5.1
1801 - 2400	8.5	8.7	9.0	7.1	7.4	7.6	5.6	5.6	5.6	5.1	5.1	5.1
DAILY VALUE	8.0	8.4	9.0	7.1	7.3	7.6	5.6	5.6	5.6	4.6	4.8	5.1
0001 - 0600	8.0	8.3	8.5	7.1	7.1	7.1	6.1	6.1	6.1	4.6	4.6	4.6
0601 - 1200	8.0	8.0	8.0	7.1	7.1	7.1	6.1	6.1	6.1	4.6	4.8	5.1
1201 - 1800	8.0	8.0	8.0	7.1	7.1	7.1	6.1	6.1	6.1	5.1	5.1	5.1
1801 - 2400	8.0	8.0	8.0	6.1	6.6	7.1	6.1	6.1	6.1	4.6	4.9	5.1
DAILY VALUE	8.0	8.1	8.5	6.1	7.0	7.1	6.1	6.1	6.1	4.6	4.8	5.1
0001 - 0600	7.5	7.5	7.5	5.1	5.6	6.1	6.1	6.1	6.1	4.1	4.1	4.1
0601 - 1200	7.5	7.5	7.5	5.1	5.1	5.1	5.6	5.9	6.1	3.6	3.6	3.6
1201 - 1800	8.1	8.1	8.1	5.6	5.6	5.6	5.6	5.6	5.6	3.6	3.6	3.6
1801 - 2400	7.6	7.8	8.1	5.6	5.6	5.6	5.6	5.6	5.6	3.6	3.6	3.6
DAILY VALUE	7.5	7.7	8.1	5.1	5.5	6.1	5.6	5.8	6.1	3.6	3.7	4.1
0001 - 0600	7.1	7.1	7.1	5.1	5.1	5.1	5.6	5.6	5.6	3.6	3.6	3.6
0601 - 1200	7.1	7.1	7.1	5.6	5.6	5.6	5.6	5.6	5.6	3.6	3.9	4.1
1201 - 1800	7.1	7.1	7.1	5.6	5.9	6.1	5.6	5.6	5.6	4.1	4.1	4.1
1801 - 2400	7.1	7.1	7.1	6.1	6.1	6.1	5.6	5.6	5.6	4.1	4.1	4.1
DAILY VALUE	7.1	7.1	7.1	5.1	5.7	6.1	5.6	5.6	5.6	3.6	3.9	4.1
0001 - 0600	7.1	7.1	7.1	6.1	6.1	6.1	5.6	5.6	5.6	4.1	4.1	4.1
0601 - 1200	7.1	7.1	7.1	6.1	6.1	6.1	5.6	5.6	5.6	4.1	4.1	4.1
1201 - 1800	7.1	7.1	7.1	6.1	6.1	6.1	5.6	5.6	5.6	4.6	4.6	4.6
1801 - 2400	7.1	7.1	7.1	6.1	6.1	6.1	5.1	5.3	5.6	4.6	4.6	4.6
DAILY VALUE	7.1	7.1	7.1	6.1	6.1	6.1	5.1	5.5	5.6	4.1	4.3	4.6
0001 - 0600	7.1	7.1	7.1	6.1	6.1	6.1	4.6	4.8	5.1	-----	-----	-----
0601 - 1200	7.1	7.3	7.6	6.1	6.1	6.1	4.1	4.3	4.6	-----	-----	-----
1201 - 1800	8.1	8.4	8.6	6.1	6.4	6.6	4.6	4.9	5.1	-----	-----	-----
1801 - 2400	8.1	8.1	8.1	7.1	7.1	7.1	4.6	4.8	5.1	-----	-----	-----
DAILY VALUE	7.1	7.7	8.6	6.1	6.4	7.1	4.1	4.7	5.1	-----	-----	-----
0001 - 0600	7.6	7.6	7.6	7.1	7.1	7.1	4.1	4.1	4.1	MONTHLY VALUE		
0601 - 1200	7.6	7.6	7.6	6.6	6.8	7.1	3.6	3.9	4.1			
1201 - 1800	7.6	7.6	7.6	6.6	6.6	6.6	4.1	4.1	4.1			
1801 - 2400	7.1	7.3	7.6	6.1	6.3	6.6	4.1	4.1	4.1			
DAILY VALUE	7.1	7.5	7.6	6.1	6.7	7.1	3.6	4.1	4.1			

Appendix Table 4-C-8 Cont.

- OCTOBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	4.1	4.4	4.6	1.6	1.6	1.6	.1	.1	.1	---	---	---
0601 - 1200	4.1	4.1	4.1	1.6	1.8	2.1	.1	.4	.6	---	---	---
1201 - 1800	4.1	4.1	4.1	2.1	2.1	2.1	.6	.8	1.1	---	---	---
1801 - 2400	4.1	4.1	4.1	2.1	2.1	2.1	.1	.4	.6	---	---	---
DAILY VALUE	4.1	4.2	4.6	1.6	1.9	2.1	.1	.4	1.1	---	---	---
0001 - 0600	4.1	4.1	4.1	2.1	2.1	2.1	.1	.1	.1	---	---	---
0601 - 1200	4.1	4.1	4.1	1.6	1.6	1.6	.1	.1	.1	---	---	---
1201 - 1800	4.1	4.1	4.1	2.1	2.1	2.1	.1	.1	.1	---	---	---
1801 - 2400	4.1	4.1	4.1	1.6	1.9	2.1	.1	.1	.1	---	---	---
DAILY VALUE	4.1	4.1	4.1	1.6	1.9	2.1	.1	.1	.1	---	---	---
0001 - 0600	3.6	3.9	4.1	1.6	1.6	1.6	.1	.1	.1	---	---	---
0601 - 1200	3.6	3.6	3.6	1.6	1.6	1.6	.1	.1	.1	---	---	---
1201 - 1800	4.1	4.1	4.1	1.6	1.6	1.6	.1	.1	.1	---	---	---
1801 - 2400	3.6	3.8	4.1	1.6	1.6	1.6	.1	.1	.1	---	---	---
DAILY VALUE	3.6	3.8	4.1	1.6	1.6	1.6	.1	.1	.1	---	---	---
0001 - 0600	2.6	2.9	3.1	1.1	1.4	1.6	.1	.4	.6	---	---	---
0601 - 1200	2.6	2.6	2.6	1.1	1.1	1.1	.1	.3	.6	---	---	---
1201 - 1800	3.1	3.1	3.1	1.6	1.6	1.6	.6	.8	1.1	---	---	---
1801 - 2400	2.6	2.9	3.1	2.1	2.1	2.1	.1	.1	.1	---	---	---
DAILY VALUE	2.6	2.9	3.1	1.1	1.6	2.1	.1	.4	1.1	---	---	---
0001 - 0600	2.1	2.1	2.1	1.6	1.6	1.6	.1	.1	.1	---	---	---
0601 - 1200	1.6	1.6	1.6	1.1	1.1	1.1	.1	.1	.1	---	---	---
1201 - 1800	2.1	2.1	2.1	1.1	1.1	1.1	.1	.1	.1	---	---	---
1801 - 2400	1.6	1.9	2.1	1.1	1.1	1.1	.1	.1	.1	---	---	---
DAILY VALUE	1.6	1.9	2.1	1.1	1.2	1.6	.1	.1	.1	---	---	---
0001 - 0600	1.1	1.4	1.6	1.1	1.1	1.1	.1	.1	.1	---	---	---
0601 - 1200	1.1	1.1	1.1	.6	.6	.6	.1	.1	.1	---	---	---
1201 - 1800	1.6	1.6	1.6	1.1	1.1	1.1	.1	---	.1	---	---	---
1801 - 2400	1.6	1.6	1.6	.6	.9	1.1	---	---	---	---	---	---
DAILY VALUE	1.1	1.4	1.6	.6	.9	1.1	.1	---	.1	---	---	---
0001 - 0600	1.6	1.6	1.6	.1	.4	.6	---	---	---	---	---	---
0601 - 1200	1.1	1.4	1.6	.1	.1	.1	---	---	---	---	---	---
1201 - 1800	1.1	1.3	1.6	.1	.1	.1	---	---	---	---	---	---
1801 - 2400	1.6	1.6	1.6	.1	.1	.1	---	---	---	---	---	---
DAILY VALUE	1.1	1.5	1.6	.1	.2	.6	---	---	---	---	---	---
0001 - 0600	1.6	1.6	1.6	.1	.1	.1	---	---	---	MONTHLY VALUE		
0601 - 1200	1.6	1.6	1.6	.1	.1	.1	---	---	---			
1201 - 1800	2.1	2.1	2.1	.1	.1	.1	---	---	---			
1801 - 2400	1.6	1.9	2.1	.1	.1	.1	---	---	---	.1	1.5	4.6
DAILY VALUE	1.6	1.8	2.1	.1	.1	.1	---	---	---			

App

Table 4-8

Thermograph data summary, summer surface water temperature (C),
Chulitna River. RM 98.6, TRM .6, Geocode
S26N05W14CBC.

- JUNE 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	6.0	6.3	6.5	5.5	5.5	5.5	----	----	----
0601 - 1200	----	----	----	6.0	6.0	6.0	5.5	5.5	5.5	----	----	----
1201 - 1800	----	----	----	5.0	5.5	6.0	5.5	5.5	5.5	----	----	----
1801 - 2400	----	----	----	5.0	5.0	5.0	5.5	5.7	6.0	----	----	----
DAILY VALUE	----	----	----	5.0	5.7	6.5	5.5	5.5	6.0	----	----	----
0001 - 0600	----	----	----	5.0	5.0	5.0	6.0	6.0	6.0	----	----	----
0601 - 1200	----	----	----	5.0	5.0	5.0	6.0	6.0	6.0	----	----	----
1201 - 1800	----	----	----	5.0	5.2	5.5	6.0	6.0	6.0	----	----	----
1801 - 2400	----	----	----	5.5	5.5	5.5	6.0	6.0	6.0	----	----	----
DAILY VALUE	----	----	----	5.0	5.2	5.5	6.0	6.0	6.0	----	----	----
0001 - 0600	----	----	----	5.5	5.5	5.5	6.0	6.0	6.0	----	----	----
0601 - 1200	----	----	----	5.5	5.5	5.5	6.0	6.0	6.0	----	----	----
1201 - 1800	----	----	----	5.5	5.5	5.5	6.0	6.0	6.0	----	----	----
1801 - 2400	----	----	----	5.5	5.5	5.5	6.0	6.0	6.0	----	----	----
DAILY VALUE	----	----	----	5.5	5.5	5.5	6.0	6.0	6.0	----	----	----
0001 - 0600	----	----	----	5.5	5.5	5.5	6.0	6.0	6.0	----	----	----
0601 - 1200	----	----	----	5.5	5.5	5.5	6.0	6.0	6.0	----	----	----
1201 - 1800	----	----	----	5.5	5.5	5.5	6.0	6.0	6.0	----	----	----
1801 - 2400	----	----	----	5.5	5.5	5.5	6.0	6.0	6.0	----	----	----
DAILY VALUE	----	----	----	5.5	5.5	5.5	6.0	6.0	6.0	----	----	----
0001 - 0600	----	----	----	5.5	5.5	5.5	5.0	5.2	5.5	----	----	----
0601 - 1200	----	----	----	5.5	5.5	5.5	5.0	5.3	5.5	----	----	----
1201 - 1800	----	----	----	5.5	5.5	5.5	6.0	6.3	6.5	----	----	----
1801 - 2400	----	----	----	5.5	5.8	6.0	6.5	6.5	6.5	----	----	----
DAILY VALUE	----	----	----	5.5	5.6	6.0	5.0	5.8	6.5	----	----	----
0001 - 0600	----	----	----	6.0	6.0	6.0	6.5	6.5	6.5	----	----	----
0601 - 1200	----	----	----	6.0	6.0	6.0	6.5	6.5	6.5	----	----	----
1201 - 1800	----	----	----	6.0	6.3	6.5	6.5	6.5	6.5	----	----	----
1801 - 2400	----	----	----	7.0	7.0	7.0	6.5	6.5	6.5	----	----	----
DAILY VALUE	----	----	----	6.0	6.3	7.0	6.5	6.5	6.5	----	----	----
0001 - 0600	----	----	----	7.0	7.0	7.0	6.5	6.5	6.5	----	----	----
0601 - 1200	----	----	----	6.5	6.8	7.0	6.5	6.5	6.5	----	----	----
1201 - 1800	----	----	----	6.5	6.5	6.5	6.5	6.5	6.5	----	----	----
1801 - 2400	----	----	----	6.0	6.0	6.0	6.5	6.5	6.5	----	----	----
DAILY VALUE	----	----	----	6.0	6.6	7.0	6.5	6.5	6.5	----	----	----
0001 - 0600	----	----	----	5.5	5.8	6.0	6.5	6.5	6.5	----	----	----
0601 - 1200	----	----	----	5.5	5.5	5.5	6.5	6.7	7.0	MONTHLY VALUE		
1201 - 1800	6.5	6.5	6.5	5.5	5.5	5.5	----	----	----	----	----	----
1801 - 2400	7.0	7.0	7.0	5.5	5.5	5.5	----	----	----	5.0	----	7.0
DAILY VALUE	6.5	----	7.0	5.5	5.6	6.0	6.5	----	7.0	----	----	----

Appendix Table 4 C 5 Cont.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	---	---	---	---	---	---	---	---	---	6.5	6.7	7.0
0601 - 1200	---	---	---	---	---	---	---	---	---	7.0	7.0	7.0
1201 - 1800	---	---	---	---	---	---	---	---	---	7.0	7.0	7.0
1801 - 2400	---	---	---	---	---	---	---	---	---	6.5	6.7	7.0
DAILY VALUE	---	---	---	---	---	---	---	---	---	6.5	6.8	7.0
0001 - 0600	---	---	---	---	---	---	---	---	---	6.0	6.3	6.5
0601 - 1200	---	---	---	---	---	---	---	---	---	5.5	5.7	6.0
1201 - 1800	---	---	---	---	---	---	---	---	---	5.5	5.5	5.5
1801 - 2400	---	---	---	---	---	---	---	---	---	5.5	5.5	5.5
DAILY VALUE	---	---	---	---	---	---	---	---	---	5.5	5.7	6.5
0001 - 0600	---	---	---	---	---	---	---	---	---	6.0	6.0	6.0
0601 - 1200	---	---	---	---	---	---	---	---	---	6.0	6.2	6.5
1201 - 1800	---	---	---	---	---	---	---	---	---	6.5	6.5	6.5
1801 - 2400	---	---	---	---	---	---	---	---	---	6.5	6.5	6.5
DAILY VALUE	---	---	---	---	---	---	---	---	---	6.0	6.3	6.5
0001 - 0600	---	---	---	---	---	---	---	---	---	6.5	6.5	6.5
0601 - 1200	---	---	---	---	---	---	---	---	---	6.0	6.3	6.5
1201 - 1800	---	---	---	---	---	---	---	---	---	5.5	5.8	6.0
1801 - 2400	---	---	---	---	---	---	---	---	---	5.5	5.5	5.5
DAILY VALUE	---	---	---	---	---	---	---	---	---	5.5	6.0	6.5
0001 - 0600	---	---	---	---	---	---	---	---	---	5.5	5.5	5.5
0601 - 1200	---	---	---	---	---	---	---	---	---	5.5	5.8	6.0
1201 - 1800	---	---	---	---	---	---	---	---	---	6.0	6.0	6.0
1801 - 2400	---	---	---	---	---	---	---	---	---	6.5	6.5	6.5
DAILY VALUE	---	---	---	---	---	---	---	---	---	5.5	6.0	6.5
0001 - 0600	---	---	---	---	---	---	---	---	---	6.5	6.5	6.5
0601 - 1200	---	---	---	---	---	---	---	---	---	6.5	6.5	6.5
1201 - 1800	---	---	---	---	---	---	---	---	---	6.5	6.5	6.5
1801 - 2400	---	---	---	---	---	---	7.5	7.5	7.5	6.0	6.0	6.0
DAILY VALUE	---	---	---	---	---	---	7.5	---	7.5	6.0	6.4	6.5
0001 - 0600	---	---	---	---	---	---	7.5	7.5	7.5	5.5	5.5	5.5
0601 - 1200	---	---	---	---	---	---	7.5	7.8	8.0	5.5	5.5	5.5
1201 - 1800	---	---	---	---	---	---	7.5	7.5	7.5	5.5	5.8	6.0
1801 - 2400	---	---	---	---	---	---	7.0	7.2	7.5	6.0	6.2	6.5
DAILY VALUE	---	---	---	---	---	---	7.0	7.5	8.0	5.5	5.7	6.5
0001 - 0600	---	---	---	---	---	---	6.5	6.5	6.5	MONTHLY VALUE		
0601 - 1200	---	---	---	---	---	---	6.5	6.5	6.5			
1201 - 1800	---	---	---	---	---	---	6.5	6.5	6.5			
1801 - 2400	---	---	---	---	---	---	6.5	6.5	6.5			
DAILY VALUE	---	---	---	---	---	---	6.5	6.5	6.5	5.5	---	8.0

4-C-25

Appendix Table 4-C-5 Cont.

- SEPTEMBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	6.5	6.5	6.5	6.0	6.3	6.5	4.5	5.0	5.5	2.5	2.8	3.0
0601 - 1200	6.5	6.7	7.0	6.0	6.2	6.5	4.5	4.5	4.5	2.5	-----	2.5
1201 - 1800	7.0	7.0	7.0	8.5	-----	8.5	4.5	4.5	4.5	-----	-----	-----
1801 - 2400	7.0	7.0	7.0	6.5	7.0	7.5	4.0	4.3	4.5	-----	-----	-----
DAILY VALUE	6.5	6.8	7.0	6.0	6.7	8.5	4.0	4.6	5.5	2.5	-----	3.0
0001 - 0600	6.5	6.5	6.5	5.5	5.8	6.0	4.0	4.0	4.0	-----	-----	-----
0601 - 1200	5.5	5.7	6.0	5.5	6.2	7.5	4.0	4.0	4.0	-----	-----	-----
1201 - 1800	5.5	5.5	5.5	7.5	7.7	8.0	4.0	4.2	4.5	-----	-----	-----
1801 - 2400	5.5	5.5	5.5	6.5	6.8	7.5	4.5	4.5	4.5	-----	-----	-----
DAILY VALUE	5.5	5.8	6.5	5.5	6.6	8.0	4.0	4.2	4.5	-----	-----	-----
0001 - 0600	5.5	5.5	5.5	6.0	6.0	6.0	4.0	4.2	4.5	-----	-----	-----
0601 - 1200	6.0	6.0	6.0	6.0	6.2	6.5	4.0	4.0	4.0	-----	-----	-----
1201 - 1800	6.0	6.0	6.0	5.5	6.2	6.5	4.0	4.2	4.5	-----	-----	-----
1801 - 2400	6.0	6.0	6.0	4.5	4.8	5.0	4.5	4.5	4.5	-----	-----	-----
DAILY VALUE	5.5	5.9	6.0	4.5	5.8	6.5	4.0	4.2	4.5	-----	-----	-----
0001 - 0600	5.5	5.8	6.0	4.0	4.3	4.5	4.5	4.5	4.5	-----	-----	-----
0601 - 1200	5.5	5.5	5.5	4.0	4.0	4.0	4.5	4.5	4.5	-----	-----	-----
1201 - 1800	6.0	6.0	6.0	4.0	4.2	4.5	4.5	4.5	4.5	-----	-----	-----
1801 - 2400	6.5	6.5	6.5	4.5	4.5	4.5	4.5	4.5	4.5	-----	-----	-----
DAILY VALUE	5.5	6.0	6.5	4.0	4.2	4.5	4.5	4.5	4.5	-----	-----	-----
0001 - 0600	5.5	6.0	6.5	4.5	4.5	4.5	4.0	4.2	4.5	-----	-----	-----
0601 - 1200	5.5	5.5	5.5	4.5	4.5	4.5	4.0	4.0	4.0	-----	-----	-----
1201 - 1800	5.5	5.5	5.5	4.5	4.5	4.5	4.0	4.2	4.5	-----	-----	-----
1801 - 2400	5.5	5.8	6.0	4.5	4.5	4.5	4.5	4.5	4.5	-----	-----	-----
DAILY VALUE	5.5	5.7	6.5	4.5	4.5	4.5	4.0	4.2	4.5	-----	-----	-----
0001 - 0600	5.5	5.8	6.0	4.5	4.5	4.5	4.0	4.0	4.0	-----	-----	-----
0601 - 1200	5.5	5.5	5.5	4.5	4.5	4.5	3.5	3.5	3.5	-----	-----	-----
1201 - 1800	6.0	6.0	6.0	4.5	4.5	4.5	3.5	3.8	4.0	-----	-----	-----
1801 - 2400	6.0	6.0	6.0	4.5	4.5	4.5	4.0	4.0	4.0	-----	-----	-----
DAILY VALUE	5.5	5.8	6.0	4.5	4.5	4.5	3.5	3.8	4.0	-----	-----	-----
0001 - 0600	5.5	5.7	6.0	4.5	4.5	4.5	3.5	3.7	4.0	-----	-----	-----
0601 - 1200	5.5	5.7	6.0	4.5	4.7	5.0	3.0	3.3	3.5	-----	-----	-----
1201 - 1800	6.5	6.5	6.5	5.5	5.5	5.5	3.5	3.5	3.5	-----	-----	-----
1801 - 2400	6.5	6.8	7.0	6.0	6.2	6.5	3.5	3.7	4.0	-----	-----	-----
DAILY VALUE	5.5	6.2	7.0	4.5	5.2	6.5	3.0	3.5	4.0	-----	-----	-----
0001 - 0600	6.0	6.3	6.5	6.0	6.3	6.5	2.5	3.0	3.5	MONTHLY VALUE		
0601 - 1200	5.5	5.8	6.5	6.0	6.0	6.0	2.5	2.5	2.5			
1201 - 1800	6.5	6.8	7.0	6.0	6.0	6.0	2.5	2.5	2.5			
1801 - 2400	6.5	6.8	7.0	5.5	5.8	6.0	3.0	3.0	3.0			
DAILY VALUE	5.5	6.5	7.0	5.5	6.0	6.5	2.5	2.7	3.5	2.5	5.1	8.5

App. Table 4-C-8 Cont.

- OCTOBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	----	----	----	0.0	0.0	0.0	----	----	----
0601 - 1200	----	----	----	----	----	----	0.0	0.0	0.0	----	----	----
1201 - 1800	----	----	----	1.0	1.2	1.5	0.0	0.0	0.0	----	----	----
1801 - 2400	----	----	----	1.5	1.5	1.5	0.0	0.0	0.0	----	----	----
DAILY VALUE	----	----	----	1.0	----	1.5	0.0	0.0	0.0	----	----	----
0001 - 0600	----	----	----	1.5	1.5	1.5	0.0	0.0	0.0	----	----	----
0601 - 1200	----	----	----	1.5	1.5	1.5	0.0	0.0	0.0	----	----	----
1201 - 1800	----	----	----	1.5	1.5	1.5	0.0	0.0	0.0	----	----	----
1801 - 2400	----	----	----	1.0	1.2	1.5	0.0	0.0	0.0	----	----	----
DAILY VALUE	----	----	----	1.0	1.4	1.5	0.0	0.0	0.0	----	----	----
0001 - 0600	----	----	----	1.0	1.0	1.0	0.0	0.0	0.0	----	----	----
0601 - 1200	----	----	----	1.0	1.0	1.0	0.0	0.0	0.0	----	----	----
1201 - 1800	----	----	----	1.0	1.0	1.0	0.0	0.0	0.0	----	----	----
1801 - 2400	----	----	----	.5	.7	1.0	0.0	0.0	0.0	----	----	----
DAILY VALUE	----	----	----	.5	.9	1.0	0.0	0.0	0.0	----	----	----
0001 - 0600	----	----	----	.5	.5	.5	0.0	0.0	0.0	----	----	----
0601 - 1200	----	----	----	0.0	.2	.5	0.0	0.0	0.0	----	----	----
1201 - 1800	----	----	----	.5	.5	.5	0.0	0.0	0.0	----	----	----
1801 - 2400	----	----	----	.5	.5	.5	0.0	0.0	0.0	----	----	----
DAILY VALUE	----	----	----	0.0	.4	.5	0.0	0.0	0.0	----	----	----
0001 - 0600	----	----	----	.5	.5	.5	0.0	0.0	0.0	----	----	----
0601 - 1200	----	----	----	0.0	0.0	0.0	0.0	0.0	0.0	----	----	----
1201 - 1800	----	----	----	0.0	0.0	0.0	0.0	0.0	0.0	----	----	----
1801 - 2400	----	----	----	0.0	0.0	0.0	0.0	0.0	0.0	----	----	----
DAILY VALUE	----	----	----	0.0	.1	.5	0.0	0.0	0.0	----	----	----
0001 - 0600	----	----	----	0.0	0.0	0.0	0.0	0.0	0.0	----	----	----
0601 - 1200	----	----	----	0.0	0.0	0.0	0.0	0.0	0.0	----	----	----
1201 - 1800	----	----	----	0.0	0.0	0.0	0.0	----	0.0	----	----	----
1801 - 2400	----	----	----	0.0	0.0	0.0	----	----	----	----	----	----
DAILY VALUE	----	----	----	0.0	0.0	0.0	0.0	----	0.0	----	----	----
0001 - 0600	----	----	----	0.0	0.0	0.0	----	----	----	----	----	----
0601 - 1200	----	----	----	0.0	0.0	0.0	----	----	----	----	----	----
1201 - 1800	----	----	----	0.0	0.0	0.0	----	----	----	----	----	----
1801 - 2400	----	----	----	0.0	0.0	0.0	----	----	----	----	----	----
DAILY VALUE	----	----	----	0.0	0.0	0.0	----	----	----	----	----	----
0001 - 0600	----	----	----	0.0	0.0	0.0	----	----	----	MONTHLY VALUE		
0601 - 1200	----	----	----	0.0	0.0	0.0	----	----	----			
1201 - 1800	----	----	----	0.0	0.0	0.0	----	----	----			
1801 - 2400	----	----	----	0.0	0.0	0.0	----	----	----	0.0		
DAILY VALUE	----	----	----	0.0	0.0	0.0	----	----	----	1.5		

Appendix Table 4-9

Thermograph data summary, summer surface water temperature (C),
Talkeetna Fishwheel, RM 103.0, Geocode S27N05W26DDD.

- JUNE 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	----	----	----	----	----	----	12.1	12.3	12.6
0601 - 1200	----	----	----	----	----	----	----	----	----	12.1	12.4	13.1
1201 - 1800	----	----	----	----	----	----	----	----	----	13.6	13.8	14.1
1801 - 2400	----	----	----	----	----	----	----	----	----	13.1	13.6	14.1
DAILY VALUE	----	----	----	----	----	----	----	----	----	12.1	13.0	14.1
0001 - 0600	----	----	----	----	----	----	----	----	----	12.6	12.8	13.1
0601 - 1200	----	----	----	----	----	----	----	----	----	12.6	12.8	13.1
1201 - 1800	----	----	----	----	----	----	----	----	----	13.6	13.6	13.6
1801 - 2400	----	----	----	----	----	----	----	----	----	13.6	13.6	13.6
DAILY VALUE	----	----	----	----	----	----	----	----	----	12.6	13.2	13.6
0001 - 0600	----	----	----	----	----	----	----	----	----	12.6	13.1	13.6
0601 - 1200	----	----	----	----	----	----	----	----	----	12.6	12.6	12.6
1201 - 1800	----	----	----	----	----	----	----	----	----	12.6	12.9	13.1
1801 - 2400	----	----	----	----	----	----	----	----	----	12.6	12.6	12.6
DAILY VALUE	----	----	----	----	----	----	----	----	----	12.6	12.8	13.6
0001 - 0600	----	----	----	----	----	----	----	----	----	12.6	12.6	12.6
0601 - 1200	----	----	----	----	----	----	----	----	----	12.6	12.6	12.6
1201 - 1800	----	----	----	----	----	----	----	----	----	12.6	12.6	12.6
1801 - 2400	----	----	----	----	----	----	----	----	----	12.6	12.6	12.6
DAILY VALUE	----	----	----	----	----	----	----	----	----	12.6	12.6	12.6
0001 - 0600	----	----	----	----	----	----	----	----	----	12.1	12.1	12.1
0601 - 1200	----	----	----	----	----	----	----	----	----	11.6	11.6	11.6
1201 - 1800	----	----	----	----	----	----	----	----	----	12.1	12.1	12.1
1801 - 2400	----	----	----	----	----	----	----	----	----	12.1	12.1	12.1
DAILY VALUE	----	----	----	----	----	----	----	----	----	11.6	12.0	12.1
0001 - 0600	----	----	----	----	----	----	----	----	----	11.1	11.4	11.6
0601 - 1200	----	----	----	----	----	----	----	----	----	11.1	11.4	11.6
1201 - 1800	----	----	----	----	----	----	----	----	----	11.6	11.9	12.1
1801 - 2400	----	----	----	----	----	----	----	----	----	11.1	11.4	11.6
DAILY VALUE	----	----	----	----	----	----	----	----	----	11.1	11.6	12.1
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	12.6	12.9	13.1	MONTHLY VALUE		
1801 - 2400	----	----	----	----	----	----	12.6	12.9	13.1	11.1	----	14.1
DAILY VALUE	----	----	----	----	----	----	12.6	----	13.1	----	----	----

Table 4-C 9 Cont.

- JULY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	10.6	10.8	11.1	12.4	12.6	12.9	9.9	9.9	9.9	9.4	9.4	9.4
0601 - 1200	10.6	10.8	11.1	12.4	12.9	13.4	9.4	9.9	10.4	9.4	9.4	9.4
1201 - 1800	11.1	11.3	11.6	13.9	13.9	13.9	10.9	11.2	11.4	9.4	9.4	9.4
1801 - 2400	10.1	10.6	11.1	13.9	13.9	13.9	10.4	10.7	11.4	9.4	9.4	9.4
DAILY VALUE	10.1	10.8	11.6	12.4	13.3	13.9	9.4	10.4	11.4	9.4	9.4	9.4
0001 - 0600	9.6	9.9	10.1	12.9	13.1	13.4	10.4	10.4	10.4	8.9	9.1	9.4
0601 - 1200	9.6	9.9	10.1	12.4	12.6	12.9	10.4	10.4	10.4	8.9	9.1	9.4
1201 - 1800	10.6	10.9	11.1	11.9	12.1	12.4	10.9	10.9	10.9	9.9	9.9	9.9
1801 - 2400	10.6	10.9	11.1	11.4	11.7	11.9	10.4	10.6	10.9	9.4	9.6	9.9
DAILY VALUE	9.6	10.4	11.1	11.4	12.4	13.4	10.4	10.6	10.9	8.9	9.4	9.9
0001 - 0600	8.6	9.3	10.1	11.4	11.4	11.4	9.9	9.9	9.9	9.4	9.6	9.9
0601 - 1200	-----	-----	-----	11.4	11.4	11.4	10.4	11.2	11.9	9.9	10.2	10.4
1201 - 1800	-----	-----	-----	11.4	11.4	11.4	12.4	12.7	12.9	10.9	10.9	10.9
1801 - 2400	-----	-----	-----	10.9	11.1	11.4	11.9	12.1	12.4	10.4	10.4	10.4
DAILY VALUE	8.6	-----	10.1	10.9	11.3	11.4	9.9	11.5	12.9	9.4	10.3	10.9
0001 - 0600	-----	-----	-----	10.4	10.4	10.4	11.4	11.6	11.9	10.4	10.4	10.4
0601 - 1200	-----	-----	-----	10.4	10.7	10.9	11.9	12.6	13.4	10.4	11.1	11.9
1201 - 1800	-----	-----	-----	10.9	11.2	11.4	13.9	14.1	14.4	12.4	12.4	12.4
1801 - 2400	-----	-----	-----	10.9	11.1	11.4	13.4	13.7	13.9	11.9	11.9	11.9
DAILY VALUE	-----	-----	-----	10.4	10.9	11.4	11.4	13.0	14.4	10.4	11.4	12.4
0001 - 0600	-----	-----	-----	10.9	10.9	10.9	12.9	13.1	13.4	11.9	11.9	11.9
0601 - 1200	-----	-----	-----	10.9	11.1	11.4	12.9	13.2	13.4	11.9	11.9	11.9
1201 - 1800	-----	-----	-----	11.9	11.9	11.9	12.9	13.2	13.4	11.9	12.1	12.4
1801 - 2400	-----	-----	-----	11.4	11.6	11.9	12.4	12.6	12.9	11.4	11.6	11.9
DAILY VALUE	-----	-----	-----	10.9	11.4	11.9	12.4	13.0	13.4	11.4	11.9	12.4
0001 - 0600	-----	-----	-----	10.9	10.9	10.9	11.9	12.1	12.4	10.9	11.2	11.4
0601 - 1200	-----	-----	-----	11.4	11.4	11.4	11.9	12.2	12.4	10.9	10.9	10.9
1201 - 1800	-----	-----	-----	11.4	11.7	11.9	12.4	12.4	12.4	10.9	10.9	10.9
1801 - 2400	-----	-----	-----	11.4	11.4	11.4	11.9	11.9	11.9	10.4	10.6	10.9
DAILY VALUE	-----	-----	-----	10.9	11.4	11.9	11.9	12.1	12.4	10.4	10.9	11.4
0001 - 0600	-----	-----	-----	10.9	10.9	10.9	10.9	11.1	11.4	9.9	9.9	9.9
0601 - 1200	-----	-----	-----	10.4	10.7	10.9	10.9	10.9	10.9	9.9	10.4	10.9
1201 - 1800	14.9	14.9	14.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	11.2	11.4
1801 - 2400	13.4	13.9	14.4	10.9	10.9	10.9	10.4	10.4	10.4	10.4	10.4	10.4
DAILY VALUE	13.4	-----	14.9	10.4	10.9	10.9	10.4	10.8	11.4	9.9	10.5	11.4
0001 - 0600	12.4	12.7	12.9	10.4	10.4	10.4	9.9	9.9	9.9	MONTHLY VALUE		
0601 - 1200	12.9	13.2	13.4	10.4	10.4	10.4	9.9	9.9	9.9			
1201 - 1800	13.9	13.9	13.9	10.9	10.9	10.9	9.9	9.9	9.9			
1801 - 2400	12.9	13.2	13.4	10.4	10.6	10.9	9.9	9.9	9.9			
DAILY VALUE	12.4	13.3	13.9	10.4	10.6	10.9	9.9	9.9	9.9			

App. 4 Table 4-C-4 Cont.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	9.9	10.1	10.4	10.9	11.1	11.4	10.4	10.7	10.9	11.4	11.7	11.9
0601 - 1200	9.9	10.4	10.9	10.4	10.6	10.9	10.4	10.4	10.4	11.4	11.4	11.4
1201 - 1800	11.4	11.4	11.4	10.4	10.4	10.4	10.4	10.7	10.9	11.4	11.7	11.9
1801 - 2400	10.4	10.9	11.4	9.9	10.2	10.4	10.4	10.7	10.9	11.9	11.9	11.9
DAILY VALUE	9.9	10.7	11.4	9.9	10.6	11.4	10.4	10.6	10.9	11.4	11.7	11.9
0001 - 0600	9.9	10.2	10.4	9.4	9.7	9.9	9.9	10.1	10.4	10.9	11.1	11.4
0601 - 1200	9.9	10.6	11.4	9.4	9.4	9.4	9.9	9.9	9.9	10.9	11.1	11.4
1201 - 1800	11.4	11.7	11.9	9.9	9.9	9.9	10.4	10.6	10.9	11.9	12.2	12.4
1801 - 2400	10.9	11.4	11.9	9.9	9.9	9.9	10.4	10.4	10.4	10.9	11.2	11.4
DAILY VALUE	9.9	11.0	11.9	9.4	9.7	9.9	9.9	10.2	10.9	10.9	11.4	12.4
0001 - 0600	10.4	10.6	10.9	9.4	9.4	9.4	9.9	10.1	10.4	9.9	10.4	10.9
0601 - 1200	10.4	10.9	11.4	9.4	9.6	9.9	9.9	10.1	10.4	9.9	10.1	10.4
1201 - 1800	12.4	12.4	12.4	10.4	10.9	11.4	10.9	11.2	11.4	10.9	11.2	11.4
1801 - 2400	11.4	11.9	12.4	10.9	11.1	11.4	10.9	11.1	11.4	10.9	11.2	11.4
DAILY VALUE	10.4	11.4	12.4	9.4	10.2	11.4	9.9	10.6	11.4	9.9	10.7	11.4
0001 - 0600	10.9	10.9	10.9	9.4	9.9	10.4	9.9	10.1	10.4	9.9	10.1	10.4
0601 - 1200	10.9	11.4	11.9	9.4	9.6	9.9	9.9	10.2	10.9	9.4	9.7	9.9
1201 - 1800	-----	-----	-----	10.9	11.2	11.4	11.4	12.1	12.4	10.4	10.7	10.9
1801 - 2400	12.4	12.9	13.4	10.9	11.4	11.9	11.9	12.2	12.4	10.9	10.9	10.9
DAILY VALUE	10.9	11.7	13.4	9.4	10.5	11.9	9.9	11.1	12.4	9.4	10.4	10.9
0001 - 0600	10.9	11.4	11.9	9.9	10.4	10.9	10.9	11.4	11.9	9.9	10.2	10.4
0601 - 1200	10.9	11.4	11.9	9.9	10.4	10.9	10.9	11.1	11.4	9.9	9.9	9.9
1201 - 1800	12.4	12.9	13.4	11.9	12.4	12.9	12.4	12.7	12.9	9.9	10.2	10.4
1801 - 2400	12.4	12.9	13.4	12.4	12.7	12.9	12.4	12.7	12.9	9.9	10.2	10.4
DAILY VALUE	10.9	12.1	13.4	9.9	11.5	12.9	10.9	12.0	12.9	9.9	10.1	10.4
0001 - 0600	10.9	11.4	11.9	11.9	12.1	12.4	10.9	11.4	11.9	9.9	9.9	9.9
0601 - 1200	10.9	11.4	11.9	11.4	11.6	11.9	10.9	11.1	11.4	9.4	9.4	9.4
1201 - 1800	12.4	12.9	13.4	11.9	12.2	12.4	11.9	12.2	12.4	9.4	9.4	9.4
1801 - 2400	12.4	12.7	12.9	11.9	12.2	12.4	12.4	12.4	12.4	9.4	9.4	9.4
DAILY VALUE	10.9	12.1	13.4	11.4	12.0	12.4	10.9	11.8	12.4	9.4	9.5	9.9
0001 - 0600	11.4	11.6	11.9	11.4	11.7	11.9	11.9	11.9	11.9	8.9	8.9	8.9
0601 - 1200	11.4	11.6	11.9	11.4	11.4	11.4	11.4	11.6	11.9	8.9	8.9	8.9
1201 - 1800	11.9	11.9	11.9	11.9	12.2	12.4	11.9	12.2	12.4	8.9	8.9	8.9
1801 - 2400	11.4	11.7	11.9	11.9	12.1	12.4	11.9	12.2	12.4	8.9	8.9	8.9
DAILY VALUE	11.4	11.7	11.9	11.4	11.9	12.4	11.4	12.0	12.4	8.9	8.9	8.9
0001 - 0600	10.4	10.9	11.4	10.9	11.4	11.9	11.4	11.7	11.9	MONTHLY VALUE		
0601 - 1200	10.9	11.1	11.4	10.9	11.1	11.4	11.4	11.6	11.9			
1201 - 1800	11.9	11.9	11.9	11.9	12.2	12.4	11.9	12.1	12.4	8.9 11.1 13.4		
1801 - 2400	11.4	11.7	11.9	11.9	12.1	12.4	11.9	11.9	11.9			
DAILY VALUE	10.4	11.4	11.9	10.9	11.7	12.4	11.4	11.8	12.4			

Table 4-C-9 Cont.

- SEPTEMBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	8.4	8.7	8.9	8.4	8.7	8.9	----	----	----	4.4	4.6	4.9
0601 - 1200	8.4	8.6	8.9	8.4	8.4	8.4	----	----	----	4.4	4.4	4.4
1201 - 1800	9.4	9.7	9.9	8.4	8.7	8.9	----	----	----	4.9	4.9	4.9
1801 - 2400	8.9	9.1	9.4	8.4	8.6	8.9	----	----	----	4.9	4.9	4.9
DAILY VALUE	8.4	9.0	9.9	8.4	8.6	8.9	----	----	----	4.4	4.7	4.9
0001 - 0600	8.4	8.6	8.9	7.9	8.1	8.4	----	----	----	4.9	4.9	4.9
0601 - 1200	8.4	8.6	8.9	7.9	7.9	7.9	----	----	----	4.9	4.9	4.9
1201 - 1800	8.9	8.9	8.9	8.4	8.4	8.4	----	----	----	4.9	4.9	4.9
1801 - 2400	8.9	8.9	8.9	7.9	8.1	8.4	----	----	----	4.9	4.9	4.9
DAILY VALUE	8.4	8.7	8.9	7.9	8.1	8.4	----	----	----	4.9	4.9	4.9
0001 - 0600	8.4	8.7	8.9	7.4	7.7	7.9	----	----	----	4.9	4.9	4.9
0601 - 1200	8.4	8.4	8.4	7.4	7.4	7.4	----	----	----	4.9	4.9	4.9
1201 - 1800	8.4	8.7	8.9	7.4	7.4	7.4	----	----	----	5.4	5.4	5.4
1801 - 2400	8.9	8.9	8.9	6.9	7.1	7.4	----	----	----	5.4	5.4	5.4
DAILY VALUE	8.4	8.7	8.9	6.9	7.4	7.9	----	----	----	4.9	5.1	5.4
0001 - 0600	8.4	8.4	8.4	5.9	6.2	6.4	----	----	----	4.9	4.9	4.9
0601 - 1200	7.9	8.2	8.4	5.9	6.1	6.4	----	----	----	4.4	4.4	4.4
1201 - 1800	8.9	9.1	9.4	6.9	6.9	6.9	----	----	----	4.4	4.7	4.9
1801 - 2400	8.4	8.7	8.9	6.9	6.9	6.9	----	----	----	4.9	4.9	4.9
DAILY VALUE	7.9	8.6	9.4	5.9	6.5	6.9	----	----	----	4.4	4.7	4.9
0001 - 0600	7.9	8.1	8.4	6.4	6.4	6.4	----	----	----	4.4	4.7	4.9
0601 - 1200	7.9	7.9	7.9	6.4	6.4	6.4	----	----	----	4.4	4.4	4.4
1201 - 1800	7.9	8.2	8.4	6.4	6.4	6.4	----	----	----	4.9	4.9	4.9
1801 - 2400	8.4	8.4	8.4	6.4	6.4	6.4	----	----	----	4.9	4.9	4.9
DAILY VALUE	7.9	8.1	8.4	6.4	6.4	6.4	----	----	----	4.4	4.7	4.9
0001 - 0600	7.9	8.1	8.4	6.4	6.4	6.4	----	----	----	4.9	4.9	4.9
0601 - 1200	7.9	7.9	7.9	6.4	6.6	6.9	----	----	----	4.9	4.9	4.9
1201 - 1800	8.4	8.4	8.4	6.9	6.9	6.9	6.9	6.9	6.9	4.9	4.9	4.9
1801 - 2400	8.4	8.4	8.4	6.9	6.9	6.9	6.4	6.6	6.9	4.9	4.9	4.9
DAILY VALUE	7.9	8.2	8.4	6.4	6.7	6.9	6.4	----	6.9	4.9	4.9	4.9
0001 - 0600	8.4	8.4	8.4	6.9	6.9	6.9	5.9	5.9	5.9	----	----	----
0601 - 1200	8.4	8.4	8.4	6.9	6.9	6.9	5.9	5.9	5.9	----	----	----
1201 - 1800	8.9	9.2	9.4	7.4	7.4	7.4	5.9	6.2	6.4	----	----	----
1801 - 2400	9.4	9.4	9.4	7.4	7.4	7.4	5.4	5.7	5.9	----	----	----
DAILY VALUE	8.4	8.9	9.4	6.9	7.1	7.4	5.4	5.9	6.4	----	----	----
0001 - 0600	8.9	9.1	9.4	7.4	7.6	7.9	4.4	4.7	4.9	MONTHLY VALUE		
0601 - 1200	8.9	8.9	8.9	7.4	7.7	7.9	4.4	4.6	4.9			
1201 - 1800	8.9	8.9	8.9	----	----	----	4.9	4.9	4.9			
1801 - 2400	8.9	8.9	8.9	----	----	----	4.9	4.9	4.9			
DAILY VALUE	8.9	8.9	9.4	7.4	----	7.9	4.4	4.8	4.9	4.4	7.0	9.9

Table 4-1 Cont.

- OCTOBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	4.9	4.9	4.9	.9	.9	.9	.2	.2	.2	.2	.2	.2
0601 - 1200	4.4	4.4	4.4	.9	.9	.9	.2	.2	.2	.2	.2	.2
1201 - 1800	4.9	4.9	4.9	.9	.9	.9	.2	.2	.2	.2	.2	.2
1801 - 2400	4.4	4.7	4.9	.9	.9	.9	.2	.2	.2	.2	.2	.2
DAILY VALUE	4.4	4.7	4.9	.9	.9	.9	.2	.2	.2	.2	.2	.2
0001 - 0600	3.9	4.2	4.4	-----	-----	-----	.2	.2	.2	.2	.2	.2
0601 - 1200	3.9	3.9	3.9	1.2	-----	1.2	.2	.2	.2	.2	.2	.2
1201 - 1800	4.4	4.4	4.4	1.2	1.2	1.2	.2	.2	.2	.2	-----	.2
1801 - 2400	4.4	4.4	4.4	.7	1.0	1.2	.2	.2	.2	-----	-----	-----
DAILY VALUE	3.9	4.2	4.4	.7	-----	1.2	.2	.2	.2	.2	-----	.2
0001 - 0600	3.9	4.1	4.4	.7	.7	.7	.2	.2	.2	-----	-----	-----
0601 - 1200	3.9	3.9	3.9	.7	.7	.7	.2	.2	.2	-----	-----	-----
1201 - 1800	4.4	4.4	4.4	.7	.7	.7	.2	.2	.2	-----	-----	-----
1801 - 2400	3.9	4.2	4.4	.7	.7	.7	.2	.2	.2	-----	-----	-----
DAILY VALUE	3.9	4.1	4.4	.7	.7	.7	.2	.2	.2	-----	-----	-----
0001 - 0600	3.4	3.7	3.9	.2	.5	.7	.2	.2	.2	-----	-----	-----
0601 - 1200	2.9	2.9	2.9	.2	.2	.2	.2	.2	.2	-----	-----	-----
1201 - 1800	2.9	3.2	3.4	.7	.7	.7	.2	.2	.2	-----	-----	-----
1801 - 2400	2.9	3.2	3.4	.7	.7	.7	.2	.2	.2	-----	-----	-----
DAILY VALUE	2.9	3.3	3.9	.2	.5	.7	.2	.2	.2	-----	-----	-----
0001 - 0600	2.4	2.7	2.9	.2	.5	.7	.2	.2	.2	-----	-----	-----
0601 - 1200	1.9	1.9	1.9	.2	.2	.2	.2	.2	.2	-----	-----	-----
1201 - 1800	2.9	2.9	2.9	.2	.2	.2	.2	.2	.2	-----	-----	-----
1801 - 2400	2.4	2.6	2.9	.2	.2	.2	.2	.2	.2	-----	-----	-----
DAILY VALUE	1.9	2.5	2.9	.2	.3	.7	.2	.2	.2	-----	-----	-----
0001 - 0600	1.9	2.1	2.4	.2	.2	.2	.2	.2	.2	-----	-----	-----
0601 - 1200	1.4	1.4	1.4	.2	.2	.2	.2	.2	.2	-----	-----	-----
1201 - 1800	1.9	1.9	1.9	.2	.2	.2	.2	.2	.2	-----	-----	-----
1801 - 2400	1.9	1.9	1.9	.2	.2	.2	.2	.2	.2	-----	-----	-----
DAILY VALUE	1.4	1.8	2.4	.2	.2	.2	.2	.2	.2	-----	-----	-----
0001 - 0600	1.9	1.9	1.9	.2	.2	.2	.2	.2	.2	-----	-----	-----
0601 - 1200	1.4	1.6	1.9	.2	.2	.2	.2	.2	.2	-----	-----	-----
1201 - 1800	1.4	1.4	1.4	.2	.2	.2	.2	.2	.2	-----	-----	-----
1801 - 2400	1.4	1.4	1.4	.2	.2	.2	.2	.2	.2	-----	-----	-----
DAILY VALUE	1.4	1.6	1.9	.2	.2	.2	.2	.2	.2	-----	-----	-----
0001 - 0600	1.4	1.4	1.4	.2	.2	.2	.2	.2	.2	-----	-----	-----
0601 - 1200	1.4	1.4	1.4	.2	.2	.2	.2	.2	.2	MONTHLY VALUE		
1201 - 1800	1.4	1.4	1.4	.2	.2	.2	.2	.2	.2			
1801 - 2400	.9	1.1	1.4	.2	.2	.2	.2	.2	.2	.2	1.2	4.9
DAILY VALUE	.9	1.3	1.4	.2	.2	.2	.2	.2	.2			

Table 4-c 15 Thermograph data summary, summer surface water temperature (C),
LRX 18, RM 113.0, Geocode S28N04W12DAB.

- JULY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	13.7	13.7	13.7	10.2	10.4	10.7	9.2	9.2	9.2
0601 - 1200	----	----	----	13.7	13.7	13.7	10.2	10.2	10.2	9.2	9.2	9.2
1201 - 1800	----	----	----	14.2	14.5	14.7	10.7	11.2	11.7	9.2	9.2	9.2
1801 - 2400	----	----	----	14.2	14.5	14.7	11.2	11.4	11.7	9.2	9.2	9.2
DAILY VALUE	----	----	----	13.7	14.1	14.7	10.2	10.8	11.7	9.2	9.2	9.2
0001 - 0600	----	----	----	13.2	13.5	13.7	10.7	10.9	11.2	8.7	9.0	9.2
0601 - 1200	----	----	----	12.7	13.0	13.2	10.7	10.9	11.2	8.7	9.0	9.2
1201 - 1800	----	----	----	12.7	12.7	12.7	11.2	11.2	11.2	9.2	9.5	9.7
1801 - 2400	----	----	----	12.2	12.4	12.7	11.2	11.2	11.2	9.2	9.4	9.7
DAILY VALUE	----	----	----	12.2	12.9	13.7	10.7	11.0	11.2	8.7	9.2	9.7
0001 - 0600	----	----	----	11.7	12.0	12.2	10.7	10.7	10.7	9.2	9.5	9.7
0601 - 1200	----	----	----	11.7	11.7	11.7	10.7	11.2	11.7	9.7	9.7	9.7
1201 - 1800	----	----	----	11.7	11.9	12.2	12.2	12.5	12.7	10.2	10.2	10.2
1801 - 2400	----	----	----	11.2	11.5	11.7	12.2	12.5	12.7	10.2	10.2	10.2
DAILY VALUE	----	----	----	11.2	11.8	12.2	10.7	11.7	12.7	9.2	9.9	10.2
0001 - 0600	----	----	----	10.7	11.0	11.2	12.2	12.2	12.2	9.7	10.0	10.2
0601 - 1200	----	----	----	11.2	11.2	11.2	12.2	12.4	12.7	10.2	10.4	10.7
1201 - 1800	----	----	----	11.7	11.7	11.7	13.7	14.0	14.2	11.2	11.5	11.7
1801 - 2400	----	----	----	11.2	11.5	11.7	13.7	14.0	14.2	11.7	11.7	11.7
DAILY VALUE	----	----	----	10.7	11.4	11.7	12.2	13.2	14.2	9.7	10.9	11.7
0001 - 0600	----	----	----	11.2	11.2	11.2	13.7	13.7	13.7	11.2	11.5	11.7
0601 - 1200	----	----	----	11.2	11.4	11.7	13.7	13.7	13.7	11.7	11.7	11.7
1201 - 1800	----	----	----	11.7	12.0	12.2	13.2	13.5	13.7	11.7	11.7	11.7
1801 - 2400	----	----	----	11.7	11.9	12.2	12.7	13.0	13.2	11.2	11.4	11.7
DAILY VALUE	----	----	----	11.2	11.6	12.2	12.7	13.5	13.7	11.2	11.6	11.7
0001 - 0600	----	----	----	11.7	11.7	11.7	12.2	12.4	12.7	10.7	11.0	11.2
0601 - 1200	----	----	----	11.7	11.7	11.7	12.2	12.2	12.2	10.7	10.7	10.7
1201 - 1800	----	----	----	11.7	12.0	12.2	12.7	12.7	12.7	10.7	10.7	10.7
1801 - 2400	----	----	----	11.7	11.9	12.2	12.2	12.2	12.2	10.2	10.2	10.2
DAILY VALUE	----	----	----	11.7	11.8	12.2	12.2	12.4	12.7	10.2	10.7	11.2
0001 - 0600	----	----	----	11.2	11.4	11.7	11.2	11.4	11.7	9.7	9.7	9.7
0601 - 1200	----	----	----	11.2	11.2	11.2	10.7	10.7	10.7	9.7	9.9	10.2
1201 - 1800	----	----	----	11.7	11.7	11.7	10.7	10.7	10.7	10.2	10.4	10.5
1801 - 2400	14.2	14.7	15.2	11.2	11.4	11.7	10.2	10.4	10.7	9.5	9.8	10.0
DAILY VALUE	14.2	----	15.2	11.2	11.4	11.7	10.2	10.8	11.7	9.5	9.9	10.5
0001 - 0600	13.2	13.4	13.7	10.7	10.9	11.2	9.7	9.9	10.2	MONTHLY VALUE		
0601 - 1200	13.2	13.7	14.2	10.7	10.9	11.2	9.7	9.7	9.7			
1201 - 1800	14.2	14.2	14.2	11.2	11.2	11.2	9.7	9.9	10.2	8.7 11.5 15.2		
1801 - 2400	13.7	14.0	14.2	10.7	11.0	11.2	9.7	9.7	9.7			
DAILY VALUE	13.2	13.8	14.2	10.7	11.0	11.2	9.7	9.8	10.2			

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Table 4-1 Cont.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	9.0	9.3	9.5	10.0	10.2	10.5	10.0	10.0	10.0	10.8	10.8	10.8
0601 - 1200	9.0	9.2	9.5	10.0	10.0	10.0	10.0	10.0	10.0	10.8	10.8	10.8
1201 - 1800	10.0	10.3	10.5	10.0	10.0	10.0	10.3	10.3	10.3	10.8	11.1	11.3
1801 - 2400	9.5	10.0	10.5	9.5	9.8	10.0	9.8	10.0	10.3	10.3	10.8	11.3
DAILY VALUE	9.0	9.7	10.5	9.5	10.0	10.5	9.8	10.1	10.3	10.3	10.9	11.3
0001 - 0600	9.0	9.2	9.5	9.0	9.3	9.5	8.8	9.1	9.3	10.3	10.3	10.3
0601 - 1200	9.0	9.5	10.0	9.0	9.2	9.5	8.8	9.1	9.3	10.3	10.3	10.3
1201 - 1800	10.5	10.5	10.5	9.5	9.5	9.5	9.8	9.8	9.8	10.8	11.1	11.3
1801 - 2400	10.0	10.3	10.5	9.5	9.5	9.5	9.3	9.6	9.8	10.3	10.8	11.3
DAILY VALUE	9.0	9.9	10.5	9.0	9.4	9.5	8.8	9.4	9.8	10.3	10.6	11.3
0001 - 0600	9.5	9.5	9.5	9.0	9.0	9.0	9.3	9.3	9.3	9.3	9.5	9.8
0601 - 1200	9.5	9.8	10.0	9.0	9.2	9.5	9.3	9.5	9.8	8.8	9.3	9.8
1201 - 1800	10.5	10.8	11.0	10.0	10.3	10.5	10.3	10.6	10.8	10.3	10.6	10.8
1801 - 2400	10.5	10.7	11.0	9.5	10.0	10.5	9.8	10.0	10.3	9.3	9.8	10.3
DAILY VALUE	9.5	10.2	11.0	9.0	9.6	10.5	9.3	9.8	10.8	8.8	9.8	10.8
0001 - 0600	9.5	9.7	10.0	9.0	9.2	9.5	9.3	9.3	9.3	8.8	9.0	9.3
0601 - 1200	9.5	10.0	10.5	9.0	9.2	9.5	9.3	9.6	10.3	8.8	9.1	9.3
1201 - 1800	11.0	11.5	12.0	10.0	10.5	11.0	10.8	11.3	11.8	9.8	10.1	10.3
1801 - 2400	11.0	11.3	11.5	10.0	10.3	10.5	10.8	11.3	11.8	9.8	10.0	10.3
DAILY VALUE	9.5	10.6	12.0	9.0	9.8	11.0	9.3	10.4	11.8	8.8	9.5	10.3
0001 - 0600	10.5	10.5	10.5	9.5	9.7	10.0	9.8	10.1	10.3	9.3	9.3	9.3
0601 - 1200	10.5	10.7	11.0	9.5	10.0	10.5	9.8	10.3	10.8	9.3	9.3	9.3
1201 - 1800	11.5	11.8	12.0	11.0	11.7	12.0	11.3	11.6	11.8	9.7	9.7	9.7
1801 - 2400	11.0	11.5	12.0	11.5	11.7	12.0	11.3	11.5	11.8	9.7	9.7	9.7
DAILY VALUE	10.5	11.1	12.0	9.5	10.7	12.0	9.8	10.9	11.8	9.3	9.5	9.7
0001 - 0600	10.5	10.5	10.5	11.0	11.0	11.0	9.8	10.1	10.3	9.2	9.2	9.2
0601 - 1200	10.5	10.8	11.5	11.0	11.0	11.0	9.8	10.1	10.3	9.2	9.2	9.2
1201 - 1800	11.5	11.8	12.0	11.5	11.5	11.5	11.3	11.6	11.8	9.2	9.2	9.2
1801 - 2400	11.5	11.7	12.0	11.0	11.3	11.5	11.3	11.5	11.8	9.2	9.2	9.2
DAILY VALUE	10.5	11.2	12.0	11.0	11.2	11.5	9.8	10.8	11.8	9.2	9.2	9.2
0001 - 0600	10.5	10.7	11.0	10.5	10.8	11.0	10.8	10.8	10.8	8.2	8.5	8.7
0601 - 1200	10.5	10.8	11.0	10.5	10.7	11.0	10.8	11.0	11.3	8.2	8.2	8.2
1201 - 1800	11.0	11.3	11.5	11.5	11.5	11.5	11.3	11.3	11.3	8.2	8.5	8.7
1801 - 2400	10.5	10.8	11.0	11.0	11.3	11.5	11.3	11.3	11.3	8.2	8.4	8.7
DAILY VALUE	10.5	10.9	11.5	10.5	11.1	11.5	10.8	11.1	11.3	8.2	8.4	8.7
0001 - 0600	10.0	10.3	10.5	10.5	10.5	10.5	10.8	10.8	10.8	MONTHLY VALUE		
0601 - 1200	10.0	10.3	10.5	10.5	10.7	11.0	10.8	10.8	10.8			
1201 - 1800	11.5	11.5	11.5	11.0	11.3	11.5	11.3	11.3	11.3	8.2 10.3 12.0		
1801 - 2400	10.5	10.8	11.0	10.5	10.7	11.0	11.3	11.3	11.3			
DAILY VALUE	10.0	10.7	11.5	10.5	10.8	11.5	10.8	11.0	11.3			

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Table 4-C-10 Cont.

- SEPTEMBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	8.2	8.2	8.2	8.2	8.2	8.2	7.2	7.2	7.2	4.0	4.3	4.5
0601 - 1200	8.2	8.2	8.2	7.7	7.7	7.7	7.2	7.2	7.2	4.0	4.2	4.5
1201 - 1800	8.7	8.7	8.7	7.7	8.0	8.2	7.2	7.5	8.0	4.5	4.5	4.5
1801 - 2400	8.7	8.7	8.7	8.2	8.2	8.2	7.0	7.3	7.5	4.5	4.5	4.5
DAILY VALUE	8.2	8.4	8.7	7.7	8.0	8.2	7.0	7.3	8.0	4.0	4.4	4.5
0001 - 0600	8.2	8.2	8.2	7.7	7.7	7.7	7.0	7.0	7.0	4.5	4.5	4.5
0601 - 1200	8.2	8.2	8.2	7.7	7.7	7.7	7.0	7.0	7.0	4.5	4.5	4.5
1201 - 1800	8.2	8.4	8.7	7.7	7.7	7.7	7.0	7.0	7.0	4.5	4.8	5.0
1801 - 2400	8.2	8.5	8.7	7.7	7.7	7.7	6.5	6.7	7.0	5.0	5.0	5.0
DAILY VALUE	8.2	8.3	8.7	7.7	7.7	7.7	6.5	6.9	7.0	4.5	4.7	5.0
0001 - 0600	8.2	8.2	8.2	7.2	7.5	7.7	6.5	6.5	6.5	5.0	5.0	5.0
0601 - 1200	7.7	8.0	8.2	7.2	7.2	7.2	6.5	6.7	7.0	5.0	5.0	5.0
1201 - 1800	8.2	8.2	8.2	7.2	7.2	7.2	7.0	7.0	7.0	5.0	5.3	5.5
1801 - 2400	8.2	8.2	8.2	6.7	7.0	7.2	6.5	6.8	7.0	5.0	5.2	5.5
DAILY VALUE	7.7	8.2	8.2	6.7	7.2	7.7	6.5	6.7	7.0	5.0	5.1	5.5
0001 - 0600	7.7	7.9	8.2	6.2	6.4	6.7	6.5	6.5	6.5	4.5	4.5	4.5
0601 - 1200	7.7	7.7	7.7	5.7	5.7	5.7	6.5	6.5	6.5	4.0	4.3	4.5
1201 - 1800	7.7	8.0	8.2	6.2	6.2	6.2	7.0	7.0	7.0	4.5	4.5	4.5
1801 - 2400	7.7	8.0	8.2	6.2	6.2	6.2	6.5	6.7	7.0	4.5	4.5	4.5
DAILY VALUE	7.7	7.9	8.2	5.7	6.1	6.7	6.5	6.7	7.0	4.0	4.5	4.5
0001 - 0600	7.2	7.5	7.7	6.2	6.2	6.2	6.5	6.5	6.5	4.5	4.5	4.5
0601 - 1200	7.2	7.2	7.2	6.2	6.2	6.2	6.5	6.5	6.5	4.5	4.5	4.5
1201 - 1800	7.7	7.7	7.7	6.2	6.2	6.2	6.5	6.5	6.5	4.5	4.5	4.5
1801 - 2400	7.7	7.7	7.7	6.2	6.2	6.2	6.5	6.5	6.5	4.5	4.5	4.5
DAILY VALUE	7.2	7.5	7.7	6.2	6.2	6.2	6.5	6.5	6.5	4.5	4.5	4.5
0001 - 0600	7.7	7.7	7.7	6.2	6.2	6.2	6.5	6.5	6.5	4.5	4.5	4.5
0601 - 1200	7.7	7.7	7.7	6.2	6.2	6.2	6.5	6.5	6.5	4.5	4.5	4.5
1201 - 1800	7.7	7.7	7.7	6.2	6.4	6.7	6.5	6.5	6.5	4.5	4.5	4.5
1801 - 2400	7.7	7.7	7.7	6.7	6.7	6.7	6.0	6.2	6.5	4.5	4.5	4.5
DAILY VALUE	7.7	7.7	7.7	6.2	6.4	6.7	6.0	6.4	6.5	4.5	4.5	4.5
0001 - 0600	7.7	7.7	7.7	6.2	6.5	6.7	5.5	5.5	5.5	-----	-----	-----
0601 - 1200	7.7	7.7	7.7	6.2	6.4	6.7	5.5	5.5	5.5	-----	-----	-----
1201 - 1800	8.2	8.2	8.2	7.2	7.2	7.2	5.5	5.7	6.0	-----	-----	-----
1801 - 2400	8.7	8.7	8.7	7.2	7.2	7.2	5.0	5.3	5.5	-----	-----	-----
DAILY VALUE	7.7	8.1	8.7	6.2	6.8	7.2	5.0	5.5	6.0	-----	-----	-----
0001 - 0600	8.2	8.2	8.2	7.2	7.2	7.2	4.5	4.5	4.5	MONTHLY VALUE		
0601 - 1200	8.2	8.2	8.2	7.2	7.2	7.2	4.5	4.5	4.5			
1201 - 1800	8.2	8.2	8.2	7.2	7.5	7.7	4.5	4.8	5.0			
1801 - 2400	8.2	8.2	8.2	7.2	7.4	7.7	4.5	4.5	4.5	4.0 6.6 8.7		
DAILY VALUE	8.2	8.2	8.2	7.2	7.3	7.7	4.5	4.6	5.0			

Appendix Table 4-c-36 Cont.

- OCTOBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	4.5	4.5	4.5	.5	.5	.5	0.0	0.0	0.0	----	----	----
0601 - 1200	4.5	4.5	4.5	.5	.5	.5	0.0	0.0	0.0	----	----	----
1201 - 1800	4.5	4.5	4.5	1.0	1.0	1.0	0.0	----	0.0	----	----	----
1801 - 2400	4.5	4.5	4.5	1.0	1.0	1.0	----	----	----	----	----	----
DAILY VALUE	4.5	4.5	4.5	.5	.7	1.0	0.0	----	0.0	----	----	----
0001 - 0600	4.0	4.0	4.0	1.0	1.0	1.0	----	----	----	----	----	----
0601 - 1200	4.0	4.2	4.5	1.0	1.0	1.0	----	----	----	----	----	----
1201 - 1800	4.5	4.5	4.5	1.0	1.0	1.0	----	----	----	----	----	----
1801 - 2400	4.5	4.5	4.5	1.0	1.0	1.0	----	----	----	----	----	----
DAILY VALUE	4.0	4.3	4.5	1.0	1.0	1.0	----	----	----	----	----	----
0001 - 0600	4.0	4.2	4.5	.5	.5	.5	----	----	----	----	----	----
0601 - 1200	4.0	4.0	4.0	.5	.5	.5	----	----	----	----	----	----
1201 - 1800	4.5	4.5	4.5	.5	.5	.5	----	----	----	----	----	----
1801 - 2400	4.0	4.2	4.5	.5	.5	.5	----	----	----	----	----	----
DAILY VALUE	4.0	4.2	4.5	.5	.5	.5	----	----	----	----	----	----
0001 - 0600	3.0	3.3	3.5	.5	.5	.5	----	----	----	----	----	----
0601 - 1200	3.0	3.0	3.0	.5	.5	.5	----	----	----	----	----	----
1201 - 1800	3.0	3.2	3.5	.5	.5	.5	----	----	----	----	----	----
1801 - 2400	2.5	2.7	3.0	.5	.5	.5	----	----	----	----	----	----
DAILY VALUE	2.5	3.0	3.5	.5	.5	.5	----	----	----	----	----	----
0001 - 0600	1.5	1.7	2.0	.5	.5	.5	----	----	----	----	----	----
0601 - 1200	1.5	1.5	1.5	0.0	0.0	0.0	----	----	----	----	----	----
1201 - 1800	2.0	2.0	2.0	0.0	0.0	0.0	----	----	----	----	----	----
1801 - 2400	1.5	1.7	2.0	0.0	0.0	0.0	----	----	----	----	----	----
DAILY VALUE	1.5	1.7	2.0	0.0	.1	.5	----	----	----	----	----	----
0001 - 0600	1.0	1.2	1.5	0.0	0.0	0.0	----	----	----	----	----	----
0601 - 1200	1.0	1.0	1.0	0.0	0.0	0.0	----	----	----	----	----	----
1201 - 1800	1.5	1.5	1.5	0.0	0.0	0.0	----	----	----	----	----	----
1801 - 2400	1.5	1.5	1.5	0.0	0.0	0.0	----	----	----	----	----	----
DAILY VALUE	1.0	1.3	1.5	0.0	0.0	0.0	----	----	----	----	----	----
0001 - 0600	1.5	1.5	1.5	0.0	0.0	0.0	----	----	----	----	----	----
0601 - 1200	1.0	1.3	1.5	0.0	0.0	0.0	----	----	----	----	----	----
1201 - 1800	1.0	1.0	1.0	0.0	0.0	0.0	----	----	----	----	----	----
1801 - 2400	1.0	1.0	1.0	0.0	0.0	0.0	----	----	----	----	----	----
DAILY VALUE	1.0	1.2	1.5	0.0	0.0	0.0	----	----	----	----	----	----
0001 - 0600	.5	.8	1.0	0.0	0.0	0.0	----	----	----	MONTHLY VALUE		
0601 - 1200	.5	.7	1.0	0.0	0.0	0.0	----	----	----			
1201 - 1800	1.0	1.0	1.0	0.0	0.0	0.0	----	----	----			
1801 - 2400	.5	.7	1.0	0.0	0.0	0.0	----	----	----			
DAILY VALUE	.5	.8	1.0	0.0	0.0	0.0	----	----	----	0.0 ---- 4.5		

Table 4-C-11 Thermograph data summary, summer surface water temperature (C),
Curry Fishwheel, RM 120.7, Geocode S29N04W10CBB.

- JULY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	---	---	---	13.6	13.6	13.6	10.1	10.3	10.6	9.6	9.6	9.6
0601 - 1200	---	---	---	13.1	13.3	13.6	10.1	10.1	10.1	9.6	9.6	9.6
1201 - 1800	---	---	---	13.6	13.6	13.6	10.6	10.9	11.1	9.6	9.6	9.6
1801 - 2400	---	---	---	13.6	13.8	14.1	10.6	10.8	11.1	9.6	9.6	9.6
DAILY VALUE	---	---	---	13.1	13.6	14.1	10.1	10.5	11.1	9.6	9.6	9.6
0001 - 0600	---	---	---	12.6	12.9	13.1	10.6	10.6	10.6	9.1	9.1	9.1
0601 - 1200	---	---	---	12.1	12.3	12.6	10.6	10.6	10.6	9.1	9.1	9.1
1201 - 1800	---	---	---	12.1	12.1	12.1	10.6	10.6	10.6	9.1	9.4	9.6
1801 - 2400	---	---	---	12.1	12.1	12.1	10.6	10.6	10.6	9.6	9.6	9.6
DAILY VALUE	---	---	---	12.1	12.3	13.1	10.6	10.6	10.6	9.1	9.3	9.6
0001 - 0600	---	---	---	11.6	11.6	11.6	10.6	10.6	10.6	9.6	9.9	10.1
0601 - 1200	---	---	---	11.1	11.3	11.6	10.6	10.9	11.1	10.1	10.1	10.1
1201 - 1800	---	---	---	11.1	11.1	11.1	11.6	11.9	12.1	10.1	10.1	10.1
1801 - 2400	---	---	---	10.6	10.9	11.1	12.1	12.1	12.1	10.1	10.1	10.1
DAILY VALUE	---	---	---	10.6	11.2	11.6	10.6	11.4	12.1	9.6	10.1	10.1
0001 - 0600	---	---	---	10.6	10.8	11.1	12.1	12.1	12.1	10.1	10.3	10.6
0601 - 1200	---	---	---	11.1	11.1	11.1	12.1	12.3	12.6	11.1	11.1	11.1
1201 - 1800	---	---	---	11.1	11.1	11.1	13.1	13.3	13.6	11.6	11.9	12.1
1801 - 2400	---	---	---	11.1	11.1	11.1	13.6	13.6	13.6	12.1	12.1	12.1
DAILY VALUE	---	---	---	10.6	11.0	11.1	12.1	12.8	13.6	10.1	11.3	12.1
0001 - 0600	---	---	---	11.1	11.1	11.1	13.6	13.6	13.6	12.1	12.1	12.1
0601 - 1200	---	---	---	11.1	11.1	11.1	13.6	13.6	13.6	12.1	12.1	12.1
1201 - 1800	---	---	---	11.1	11.4	11.6	13.1	13.1	13.1	11.6	11.9	12.1
1801 - 2400	---	---	---	11.6	11.6	11.6	12.6	12.8	13.1	11.6	11.6	11.6
DAILY VALUE	---	---	---	11.1	11.3	11.6	12.6	13.3	13.6	11.6	11.9	12.1
0001 - 0600	---	---	---	11.6	11.6	11.6	12.6	12.6	12.6	11.1	11.4	11.6
0601 - 1200	---	---	---	11.1	11.4	11.6	12.6	12.6	12.6	11.1	11.1	11.1
1201 - 1800	---	---	---	11.1	11.3	11.6	12.1	12.4	12.6	10.6	10.9	11.1
1801 - 2400	---	---	---	11.6	11.6	11.6	11.6	11.9	12.1	10.6	10.6	10.6
DAILY VALUE	---	---	---	11.1	11.5	11.6	11.6	12.4	12.6	10.6	11.0	11.6
0001 - 0600	---	---	---	11.1	11.1	11.1	11.1	11.3	11.6	10.1	10.3	10.6
0601 - 1200	---	---	---	11.1	11.1	11.1	11.1	11.1	11.1	10.1	10.1	10.1
1201 - 1800	---	---	---	11.1	11.1	11.1	10.6	10.6	10.6	10.6	10.6	10.6
1801 - 2400	14.1	14.1	14.1	10.6	10.9	11.1	10.1	10.3	10.6	10.6	10.6	10.6
DAILY VALUE	14.1	---	14.1	10.6	11.1	11.1	10.1	10.8	11.6	10.1	10.4	10.6
0001 - 0600	13.6	13.6	13.6	10.6	10.6	10.6	9.6	9.8	10.1	MONTHLY VALUE		
0601 - 1200	13.6	13.8	14.1	10.6	10.6	10.6	9.6	9.6	9.6			
1201 - 1800	14.1	14.1	14.1	10.6	10.6	10.6	9.6	9.6	9.6			
1801 - 2400	13.6	13.8	14.1	10.6	10.6	10.6	9.6	9.6	9.6			
DAILY VALUE	13.6	13.8	14.1	10.6	10.6	10.6	9.6	9.6	10.1	9.1	11.3	14.1

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Appendix Table 4-C-11 Cont.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	10.1	10.1	10.1	10.9	11.1	11.4	10.4	10.4	10.4	11.4	11.4	11.4
0601 - 1200	9.6	9.9	10.1	10.4	10.4	10.4	10.4	10.4	10.4	11.4	11.4	11.4
1201 - 1800	10.6	10.6	10.6	10.4	10.4	10.4	10.4	10.4	10.4	11.4	11.7	11.9
1801 - 2400	10.6	10.6	10.6	9.9	10.2	10.4	9.9	10.1	10.4	11.4	11.6	11.9
DAILY VALUE	9.6	10.3	10.6	9.9	10.5	11.4	9.9	10.3	10.4	11.4	11.5	11.9
0001 - 0600	10.6	10.6	10.6	9.9	9.9	9.9	9.4	9.4	9.4	10.9	10.9	10.9
0601 - 1200	10.6	10.6	10.6	9.9	9.9	9.9	9.4	9.6	9.9	10.9	10.9	10.9
1201 - 1800	11.1	11.1	11.1	9.9	10.2	10.4	9.9	9.9	9.9	11.4	11.7	11.9
1801 - 2400	11.1	11.1	11.1	9.9	9.9	9.9	9.9	9.9	9.9	10.9	11.2	11.4
DAILY VALUE	10.6	10.8	11.1	9.9	10.0	10.4	9.4	9.7	9.9	10.9	11.2	11.9
0001 - 0600	10.6	10.8	11.1	9.4	9.6	9.9	9.9	9.9	9.9	9.9	10.2	10.4
0601 - 1200	10.6	10.6	10.6	9.4	9.9	10.4	9.9	9.9	9.9	9.9	9.9	9.9
1201 - 1800	11.1	11.4	11.6	10.4	10.7	10.9	10.4	10.4	10.4	10.4	10.7	10.9
1801 - 2400	11.6	11.6	11.6	10.4	10.6	10.9	9.9	10.2	10.4	9.9	10.4	10.9
DAILY VALUE	10.6	11.1	11.6	9.4	10.2	10.9	9.9	10.1	10.4	9.9	10.3	10.9
0001 - 0600	11.1	11.1	11.1	9.9	10.1	10.4	9.9	9.9	9.9	9.9	9.9	9.9
0601 - 1200	11.1	11.3	11.6	9.9	10.1	10.4	9.9	10.4	10.9	9.9	9.9	9.9
1201 - 1800	12.1	12.2	12.4	10.9	11.2	11.4	11.9	12.2	12.4	10.4	10.4	10.4
1801 - 2400	11.9	12.1	12.4	10.4	10.7	10.9	11.4	11.9	12.4	9.9	10.2	10.4
DAILY VALUE	11.1	11.6	12.4	9.9	10.5	11.4	9.9	11.1	12.4	9.9	10.1	10.4
0001 - 0600	11.4	11.4	11.4	10.4	10.4	10.4	10.9	11.1	11.4	9.9	9.9	9.9
0601 - 1200	11.4	11.7	11.9	10.4	10.9	11.4	10.9	11.1	11.4	9.9	9.9	9.9
1201 - 1800	12.4	12.7	12.9	11.9	12.2	12.4	11.9	12.2	12.4	9.9	9.9	9.9
1801 - 2400	11.9	12.2	12.4	11.9	12.2	12.4	11.9	12.2	12.4	9.9	9.9	9.9
DAILY VALUE	11.4	12.0	12.9	10.4	11.4	12.4	10.9	11.6	12.4	9.9	9.9	9.9
0001 - 0600	11.9	11.9	11.9	11.9	11.9	11.9	10.9	11.1	11.4	9.4	9.4	9.4
0601 - 1200	11.9	11.9	11.9	11.9	11.9	11.9	10.9	11.1	11.4	9.4	9.4	9.4
1201 - 1800	12.4	12.4	12.4	12.4	12.4	12.4	11.9	12.1	12.4	9.4	9.4	9.4
1801 - 2400	12.4	12.4	12.4	11.9	12.1	12.4	11.9	11.9	11.9	8.9	9.1	9.4
DAILY VALUE	11.9	12.1	12.4	11.9	12.1	12.4	10.9	11.5	12.4	8.9	9.3	9.4
0001 - 0600	11.9	11.9	11.9	11.4	11.6	11.9	11.4	11.4	11.4	8.4	8.7	8.9
0601 - 1200	11.9	11.9	11.9	11.4	11.4	11.4	11.4	11.4	11.4	8.4	8.4	8.4
1201 - 1800	11.9	11.9	11.9	11.9	12.2	12.4	11.9	11.9	11.9	8.4	8.4	8.4
1801 - 2400	11.4	11.7	11.9	11.4	11.9	12.4	11.4	11.7	11.9	8.4	8.4	8.4
DAILY VALUE	11.4	11.9	11.9	11.4	11.8	12.4	11.4	11.6	11.9	8.4	8.5	8.9
0001 - 0600	11.4	11.4	11.4	10.9	11.2	11.4	11.4	11.4	11.4	----- MONTHLY VALUE -----		
0601 - 1200	11.4	11.4	11.4	10.9	11.1	11.4	11.4	11.4	11.4			
1201 - 1800	11.9	11.9	11.9	11.4	11.7	11.9	11.4	11.7	11.9			
1801 - 2400	11.4	11.6	11.9	10.9	11.1	11.4	11.4	11.7	11.9			
DAILY VALUE	11.4	11.6	11.9	10.9	11.3	11.9	11.4	11.6	11.9	8.4	10.9	12.9

Appendix Table 4-C-11 Cont.

- SEPTEMBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	8.4	8.4	8.4	8.1	8.1	8.1	7.1	7.4	7.6	4.5	4.5	4.5
0601 - 1200	8.4	8.6	8.9	8.1	8.1	8.1	7.1	7.1	7.1	4.5	4.5	4.5
1201 - 1800	8.9	8.9	8.9	8.1	8.1	8.1	7.5	7.5	7.5	5.0	5.0	5.0
1801 - 2400	8.4	8.7	8.9	8.1	8.1	8.1	7.5	7.5	7.5	4.5	4.5	4.5
DAILY VALUE	8.4	8.6	8.9	8.1	8.1	8.1	7.1	7.4	7.6	4.5	4.6	5.0
0001 - 0600	8.4	8.4	8.4	7.6	7.6	7.6	7.0	7.2	7.5	4.5	4.5	4.5
0601 - 1200	8.4	8.4	8.4	7.6	7.6	7.6	6.5	6.5	6.5	4.5	4.8	5.0
1201 - 1800	8.4	8.6	8.9	7.6	7.6	7.6	6.5	6.5	6.5	5.0	5.3	5.5
1801 - 2400	8.4	8.6	8.9	7.6	7.6	7.6	6.5	6.5	6.5	5.5	5.5	5.5
DAILY VALUE	8.4	8.5	8.9	7.6	7.6	7.6	6.5	6.7	7.5	4.5	5.0	5.5
0001 - 0600	8.4	8.4	8.4	7.1	7.1	7.1	6.5	6.5	6.5	5.5	5.5	5.5
0601 - 1200	8.4	8.4	8.4	7.1	7.1	7.1	6.5	6.7	7.0	5.5	5.5	5.5
1201 - 1800	8.6	8.6	8.6	7.1	7.1	7.1	6.5	6.8	7.0	5.5	5.5	5.5
1801 - 2400	8.1	8.1	8.1	6.6	6.8	7.1	6.5	6.5	6.5	5.0	5.3	5.5
DAILY VALUE	8.1	8.4	8.6	6.6	7.0	7.1	6.5	6.6	7.0	5.0	5.5	5.5
0001 - 0600	8.1	8.1	8.1	6.1	6.1	6.1	6.5	6.5	6.5	4.5	4.7	5.0
0601 - 1200	8.1	8.1	8.1	6.1	6.1	6.1	6.5	6.5	6.5	4.5	4.5	4.5
1201 - 1800	8.1	8.1	8.1	6.1	6.4	6.6	6.5	6.5	6.5	4.5	4.7	5.0
1801 - 2400	8.1	8.1	8.1	6.1	6.3	6.6	6.5	6.5	6.5	4.5	4.5	4.5
DAILY VALUE	8.1	8.1	8.1	6.1	6.2	6.6	6.5	6.5	6.5	4.5	4.6	5.0
0001 - 0600	7.6	7.6	7.6	6.1	6.1	6.1	6.5	6.5	6.5	4.5	4.5	4.5
0601 - 1200	7.6	7.6	7.6	6.1	6.1	6.1	6.5	6.5	6.5	4.5	4.5	4.5
1201 - 1800	8.1	8.1	8.1	6.1	6.1	6.1	6.5	6.5	6.5	4.5	4.5	4.5
1801 - 2400	7.6	7.9	8.1	6.1	6.1	6.1	6.5	6.5	6.5	4.5	4.5	4.5
DAILY VALUE	7.6	7.8	8.1	6.1	6.1	6.1	6.5	6.5	6.5	4.5	4.5	4.5
0001 - 0600	7.6	7.6	7.6	6.1	6.1	6.1	6.5	6.5	6.5	4.5	4.5	4.5
0601 - 1200	7.6	7.6	7.6	6.6	6.6	6.6	6.5	6.5	6.5	4.5	4.5	4.5
1201 - 1800	8.1	8.1	8.1	6.6	6.6	6.6	6.5	6.5	6.5	5.0	5.0	5.0
1801 - 2400	8.1	8.1	8.1	6.6	6.6	6.6	6.0	6.2	6.5	-----	-----	-----
DAILY VALUE	7.6	7.8	8.1	6.1	6.5	6.6	6.0	6.4	6.5	4.5	-----	5.0
0001 - 0600	8.1	8.1	8.1	6.6	6.6	6.6	6.0	6.0	6.0	-----	-----	-----
0601 - 1200	8.1	8.1	8.1	6.6	6.6	6.6	5.5	5.8	6.0	-----	-----	-----
1201 - 1800	8.6	8.8	9.1	7.1	7.1	7.1	6.0	6.0	6.0	-----	-----	-----
1801 - 2400	8.6	8.9	9.1	7.1	7.3	7.6	5.0	5.3	5.5	-----	-----	-----
DAILY VALUE	8.1	8.5	9.1	6.6	6.9	7.6	5.0	5.8	6.0	-----	-----	-----
0001 - 0600	8.6	8.6	8.6	7.6	7.6	7.6	5.0	5.0	5.0	-----	-----	-----
0601 - 1200	8.6	8.6	8.6	7.6	7.6	7.6	5.0	5.0	5.0	MONTHLY VALUE		
1201 - 1800	8.6	8.6	8.6	7.6	7.6	7.6	5.0	5.0	5.0	-----		
1801 - 2400	8.1	8.4	8.6	7.6	7.6	7.6	4.5	4.7	5.0	4.5	6.8	9.1
DAILY VALUE	8.1	8.6	8.6	7.6	7.6	7.6	4.5	4.9	5.0	-----		

Appendix Table 4-C-12 Thermograph data summary, summer surface water temperature (C),
Slough 8A-Area of R&M Stage Recorder, RM 126.0, Geocode
S30N03W30BCA.

- JULY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	8.8	9.0	9.3
1801 - 2400	----	----	----	----	----	----	----	----	----	6.8	7.3	7.8
DAILY VALUE	----	----	----	----	----	----	----	----	----	6.8	----	9.3
0001 - 0600	----	----	----	----	----	----	----	----	----	6.3	6.5	6.8
0601 - 1200	----	----	----	----	----	----	----	----	----	6.3	6.8	7.3
1201 - 1800	----	----	----	----	----	----	----	----	----	7.3	7.6	7.8
1801 - 2400	----	----	----	----	----	----	----	----	----	6.3	6.8	7.3
DAILY VALUE	----	----	----	----	----	----	----	----	----	6.3	6.9	7.8
0001 - 0600	----	----	----	----	----	----	----	----	----	6.3	6.3	6.3
0601 - 1200	----	----	----	----	----	----	----	----	----	6.3	6.5	6.8
1201 - 1800	----	----	----	----	----	----	----	----	----	6.8	6.8	6.8
1801 - 2400	----	----	----	----	----	----	----	----	----	6.3	6.5	6.8
DAILY VALUE	----	----	----	----	----	----	----	----	----	6.3	6.5	6.8
0001 - 0600	----	----	----	----	----	----	----	----	----	5.8	6.0	6.3
0601 - 1200	----	----	----	----	----	----	----	----	----	5.8	6.8	7.8
1201 - 1800	----	----	----	----	----	----	----	----	----	7.8	8.1	8.3
1801 - 2400	----	----	----	----	----	----	----	----	----	5.8	6.6	7.3
DAILY VALUE	----	----	----	----	----	----	----	----	----	5.8	6.9	8.3
0001 - 0600	----	----	----	----	----	----	----	----	----	MONTHLY VALUE		
0601 - 1200	----	----	----	----	----	----	----	----	----			
1201 - 1800	----	----	----	----	----	----	----	----	----			
1801 - 2400	----	----	----	----	----	----	----	----	----	5.8	----	9.3
DAILY VALUE	----	----	----	----	----	----	----	----	----			

Table 4-C-12 Cont.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	4.8	5.0	5.3	6.8	6.8	6.8	7.3	7.6	7.8	8.3	8.6	8.8
0601 - 1200	5.3	6.5	7.8	6.8	7.1	7.8	7.3	7.5	7.8	8.3	9.0	9.8
1201 - 1800	8.8	9.3	9.8	8.3	8.6	8.8	8.3	9.0	9.3	11.3	11.8	12.3
1801 - 2400	6.3	7.0	7.8	7.3	7.5	7.8	7.3	8.0	8.8	8.8	9.5	10.3
DAILY VALUE	4.8	6.9	9.8	6.8	7.5	8.8	7.3	8.0	9.3	8.3	9.7	12.3
0001 - 0600	4.8	5.0	5.3	6.8	6.8	6.8	6.8	6.8	6.8	8.3	8.3	8.3
0601 - 1200	5.3	6.6	8.3	6.8	7.1	7.8	6.8	7.6	8.3	8.3	9.5	10.8
1201 - 1800	9.8	10.0	10.3	7.8	7.8	7.8	8.8	8.8	8.8	10.8	12.0	12.8
1801 - 2400	6.3	7.5	8.8	6.8	7.0	7.3	6.3	7.3	8.3	8.8	9.6	10.3
DAILY VALUE	4.8	7.3	10.3	6.8	7.2	7.8	6.3	7.6	8.8	8.3	9.8	12.8
0001 - 0600	5.3	5.5	5.8	6.3	6.5	6.8	5.8	5.8	5.8	6.3	7.0	7.8
0601 - 1200	5.3	7.0	8.8	6.3	8.1	9.8	6.3	7.5	8.8	6.3	7.8	9.8
1201 - 1800	9.8	10.3	10.8	11.3	11.8	12.3	9.8	10.1	10.3	10.3	11.6	12.3
1801 - 2400	7.3	7.8	8.3	6.8	8.3	10.3	6.8	7.8	8.8	8.3	9.1	9.8
DAILY VALUE	5.3	7.6	10.8	6.3	8.7	12.3	5.8	7.8	10.3	6.3	8.9	12.3
0001 - 0600	5.8	6.0	6.3	5.3	5.8	6.3	5.8	6.0	6.3	6.8	7.3	7.8
0601 - 1200	6.3	7.6	9.3	5.8	7.6	9.8	6.3	7.8	9.3	6.8	7.6	8.8
1201 - 1800	10.8	11.0	11.3	11.8	12.3	12.8	11.8	12.6	13.3	9.8	10.3	10.8
1801 - 2400	7.3	8.0	8.8	7.3	8.1	9.3	7.3	9.0	10.8	8.3	9.0	9.8
DAILY VALUE	5.8	8.1	11.3	5.3	8.5	12.8	5.8	8.8	13.3	6.8	8.5	10.8
0001 - 0600	6.3	6.5	6.8	6.8	7.0	7.3	6.3	6.5	6.8	7.8	8.0	8.3
0601 - 1200	6.8	8.1	9.8	6.8	8.6	10.8	6.3	8.1	10.3	7.8	8.1	8.8
1201 - 1800	10.3	10.8	11.3	12.3	12.8	13.3	12.3	12.8	13.3	9.3	9.3	9.3
1801 - 2400	6.8	7.8	8.8	8.3	9.3	10.3	7.3	9.0	10.8	7.8	8.3	8.8
DAILY VALUE	6.3	8.3	11.3	6.8	9.4	13.3	6.3	9.1	13.3	7.8	8.4	9.3
0001 - 0600	6.3	6.5	6.8	8.3	8.3	8.3	5.8	6.3	6.8	7.8	7.8	7.8
0601 - 1200	6.8	8.3	9.8	7.8	8.0	8.3	6.3	8.1	10.3	7.8	7.8	7.8
1201 - 1800	10.8	11.6	12.3	8.3	8.6	8.8	11.8	12.6	13.3	7.8	8.1	8.3
1801 - 2400	7.3	8.5	9.8	6.8	7.5	8.3	-----	-----	-----	7.3	7.5	7.8
DAILY VALUE	6.3	8.7	12.3	6.8	8.1	8.8	5.8	9.0	13.3	7.3	7.8	8.3
0001 - 0600	6.3	6.5	6.8	6.8	6.8	6.8	-----	-----	-----	6.8	7.0	7.3
0601 - 1200	6.8	8.0	9.3	6.8	7.6	8.8	-----	-----	-----	6.8	7.3	7.8
1201 - 1800	8.3	9.3	10.3	10.8	11.5	12.3	11.8	-----	11.8	8.3	8.6	8.8
1801 - 2400	6.8	7.3	7.8	7.8	8.5	9.3	8.8	9.5	10.3	7.3	7.5	7.8
DAILY VALUE	6.3	7.8	10.3	6.8	8.6	12.3	8.8	-----	11.8	6.8	7.6	8.8
0001 - 0600	5.8	6.0	6.3	7.3	7.3	7.3	8.3	8.3	8.3	MONTHLY VALUE		
0601 - 1200	6.3	8.1	9.8	7.3	8.8	10.8	8.3	9.1	10.3			
1201 - 1800	9.8	10.8	11.3	11.3	12.1	12.8	11.3	11.6	11.8			
1801 - 2400	7.3	7.8	8.8	8.3	9.0	9.8	9.3	10.0	10.8			
DAILY VALUE	5.8	8.2	11.3	7.3	9.3	12.8	8.3	9.8	11.8			

4-C-41

Appendix Table 4-C-12 Cont.

- SEPTEMBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	6.8	7.1	7.3	6.3	6.3	6.3	5.3	5.3	5.3	3.3	3.6	3.8
0601 - 1200	7.3	8.0	8.8	6.3	6.5	6.8	5.3	5.3	5.3	3.3	3.5	3.8
1201 - 1800	8.8	9.1	9.3	7.8	7.8	7.8	5.3	5.3	5.3	4.3	4.6	4.8
1801 - 2400	6.8	7.5	8.3	6.3	6.8	7.3	5.3	5.3	5.3	4.3	4.3	4.3
DAILY VALUE	6.8	7.9	9.3	6.3	6.8	7.8	5.3	5.3	5.3	3.3	4.0	4.8
0001 - 0600	6.3	6.5	6.8	5.8	6.1	6.3	4.8	5.1	5.3	4.3	4.3	4.3
0601 - 1200	6.3	6.8	7.3	5.8	6.5	7.3	5.3	5.5	5.8	4.3	4.3	4.3
1201 - 1800	8.3	8.8	9.3	7.8	7.8	7.8	5.8	5.8	5.8	4.8	4.8	4.8
1801 - 2400	7.3	7.5	7.8	6.3	6.5	6.8	5.8	5.8	5.8	4.3	4.5	4.8
DAILY VALUE	6.3	7.4	9.3	5.8	6.7	7.8	4.8	5.5	5.8	4.3	4.5	4.8
0001 - 0600	6.8	7.0	7.3	5.8	5.8	5.8	5.3	5.5	5.8	4.3	4.3	4.3
0601 - 1200	6.8	6.8	6.8	5.8	6.0	6.3	5.3	5.5	5.8	4.3	4.3	4.3
1201 - 1800	7.3	7.5	7.8	6.3	6.6	6.8	5.8	5.8	5.8	4.8	4.8	4.8
1801 - 2400	6.8	6.8	6.8	5.3	5.8	6.3	5.8	5.8	5.8	3.8	4.3	4.8
DAILY VALUE	6.8	7.0	7.8	5.3	6.0	6.8	5.3	5.6	5.8	3.8	4.4	4.8
0001 - 0600	5.8	6.1	6.3	4.8	4.8	4.8	5.3	5.3	5.3	2.8	3.3	3.8
0601 - 1200	5.8	6.1	6.8	4.8	5.0	5.3	5.3	5.5	5.8	2.8	3.0	3.3
1201 - 1800	7.3	7.8	8.3	6.8	6.8	6.8	5.8	5.8	5.8	3.8	3.8	3.8
1801 - 2400	6.3	6.5	6.8	5.3	5.6	5.8	-----	-----	-----	3.8	3.8	3.8
DAILY VALUE	5.8	6.6	8.3	4.8	5.5	6.8	5.3	-----	5.8	2.8	3.5	3.8
0001 - 0600	5.8	6.1	6.3	5.3	5.3	5.3	-----	-----	-----	3.8	3.8	3.8
0601 - 1200	5.8	6.5	7.3	5.3	5.3	5.3	5.8	-----	5.8	3.8	3.8	3.8
1201 - 1800	7.3	7.6	7.8	5.8	6.0	6.3	5.8	5.8	5.8	4.8	4.8	4.8
1801 - 2400	6.3	6.6	6.8	5.8	5.8	5.8	5.8	5.8	5.8	4.8	4.8	4.8
DAILY VALUE	5.8	6.7	7.8	5.3	5.6	6.3	5.8	-----	5.8	3.8	4.3	4.8
0001 - 0600	6.3	6.3	6.3	5.8	5.8	5.8	5.3	5.3	5.3	4.3	4.3	4.3
0601 - 1200	6.3	6.8	7.3	5.8	5.8	5.8	5.3	5.3	5.3	4.3	4.3	4.3
1201 - 1800	7.3	7.3	7.3	6.3	6.3	6.3	5.8	5.8	5.8	5.2	5.2	5.2
1801 - 2400	6.3	6.6	6.8	5.8	6.0	6.3	4.8	5.0	5.3	4.7	4.7	4.7
DAILY VALUE	6.3	6.8	7.3	5.8	6.0	6.3	4.8	5.3	5.8	4.3	4.7	5.2
0001 - 0600	6.3	6.3	6.3	5.8	5.8	5.8	3.8	4.3	4.8	-----	-----	-----
0601 - 1200	6.8	7.1	7.8	5.8	6.3	6.8	3.8	3.8	3.8	-----	-----	-----
1201 - 1800	8.3	8.6	8.8	7.3	7.3	7.3	4.3	5.0	5.3	-----	-----	-----
1801 - 2400	6.8	7.3	7.8	6.8	6.8	6.8	3.8	4.1	4.8	-----	-----	-----
DAILY VALUE	6.3	7.3	8.8	5.8	6.5	7.3	3.8	4.3	5.3	-----	-----	-----
0001 - 0600	6.8	6.8	6.8	5.8	6.1	6.3	2.8	3.3	3.8	MONTHLY VALUE		
0601 - 1200	6.8	7.1	7.8	5.8	6.0	6.3	2.8	3.1	3.8			
1201 - 1800	7.8	7.8	7.8	6.3	6.5	6.8	4.3	4.6	4.8			
1801 - 2400	6.8	7.0	7.3	5.8	5.8	5.8	3.8	4.1	4.3			
DAILY VALUE	6.8	7.2	7.8	5.8	6.1	6.8	2.8	3.8	4.8			

App. . . Table 4-C-12 Cont.

- OCTOBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	4.2	4.4	4.7	1.2	1.5	1.7	.7	.7	.7	----	----	----
0601 - 1200	4.2	4.2	4.2	1.7	2.2	2.7	.7	1.2	1.7	----	----	----
1201 - 1800	4.2	4.5	4.7	3.2	3.2	3.2	1.7	2.0	2.2	----	----	----
1801 - 2400	3.7	3.9	4.2	2.2	2.4	2.7	.2	.7	1.2	----	----	----
DAILY VALUE	3.7	4.2	4.7	1.2	2.3	3.2	.2	1.2	2.2	----	----	----
0001 - 0600	3.7	3.7	3.7	2.2	2.2	2.2	.2	.2	.2	----	----	----
0601 - 1200	3.7	3.9	4.2	2.2	2.4	2.7	.2	.4	.7	----	----	----
1201 - 1800	4.2	4.5	4.7	2.7	2.7	2.7	.7	.7	.7	----	----	----
1801 - 2400	3.7	3.7	3.7	1.7	2.0	2.2	.7	.7	.7	----	----	----
DAILY VALUE	3.7	3.9	4.7	1.7	2.3	2.7	.2	.5	.7	----	----	----
0001 - 0600	3.2	3.5	3.7	1.7	1.7	1.7	.7	.7	.7	----	----	----
0601 - 1200	3.2	3.2	3.2	1.2	1.5	1.7	.2	.2	.2	----	----	----
1201 - 1800	3.7	4.0	4.2	1.2	1.9	2.2	.7	.7	.7	----	----	----
1801 - 2400	3.2	3.4	3.7	.7	1.2	1.7	.7	.7	.7	----	----	----
DAILY VALUE	3.2	3.5	4.2	.7	1.6	2.2	.2	.6	.7	----	----	----
0001 - 0600	2.2	2.5	2.7	.7	.7	.7	.7	.7	.7	----	----	----
0601 - 1200	2.2	2.4	2.7	.7	1.2	1.7	.7	.7	.7	----	----	----
1201 - 1800	3.2	3.2	3.2	2.2	2.2	2.2	.7	1.0	1.2	----	----	----
1801 - 2400	2.2	2.4	2.7	1.7	2.0	2.2	.2	.2	.2	----	----	----
DAILY VALUE	2.2	2.6	3.2	.7	1.5	2.2	.2	.7	1.2	----	----	----
0001 - 0600	2.2	2.2	2.2	.7	1.2	1.7	----	----	----	----	----	----
0601 - 1200	1.7	2.0	2.2	1.2	1.2	1.2	----	----	----	----	----	----
1201 - 1800	2.7	2.7	2.7	1.2	1.4	1.7	----	----	----	----	----	----
1801 - 2400	1.7	1.9	2.2	1.2	1.5	1.7	----	----	----	----	----	----
DAILY VALUE	1.7	2.2	2.7	.7	1.3	1.7	----	----	----	----	----	----
0001 - 0600	1.2	1.4	1.7	1.2	1.2	1.2	----	----	----	----	----	----
0601 - 1200	1.2	1.7	2.2	.7	1.0	1.7	----	----	----	----	----	----
1201 - 1800	2.7	2.7	2.7	1.7	2.0	2.2	----	----	----	----	----	----
1801 - 2400	2.2	2.2	2.2	.7	1.0	1.2	----	----	----	----	----	----
DAILY VALUE	1.2	2.0	2.7	.7	1.3	2.2	----	----	----	----	----	----
0001 - 0600	2.2	2.2	2.2	.2	.2	.2	----	----	----	----	----	----
0601 - 1200	1.7	2.0	2.2	.2	.2	.2	----	----	----	----	----	----
1201 - 1800	2.2	2.5	2.7	.7	.7	.7	----	----	----	----	----	----
1801 - 2400	2.2	2.4	2.7	.2	.4	.7	----	----	----	----	----	----
DAILY VALUE	1.7	2.3	2.7	.2	.4	.7	----	----	----	----	----	----
0001 - 0600	1.7	1.9	2.2	.7	.7	.7	----	----	----	MONTHLY VALUE		
0601 - 1200	1.7	2.2	2.7	.7	.7	.7	----	----	----			
1201 - 1800	2.7	3.0	3.2	.7	.7	.7	----	----	----			
1801 - 2400	1.2	1.7	2.2	.7	.7	.7	----	----	----			
DAILY VALUE	1.2	2.2	3.2	.7	.7	.7	----	----	----			

Appendix Table 4-C-13

Thermograph data summary, summer surface water temperature (C),
LRX 29, RM 126.1, Geocode S3ON03W19DCA.

- JULY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	----	----	----	10.2	10.2	10.2	10.2	10.2	10.2
0601 - 1200	----	----	----	----	----	----	10.2	10.7	11.2	10.2	10.2	10.2
1201 - 1800	----	----	----	15.7	----	15.7	12.2	12.2	12.2	9.7	9.7	9.7
1801 - 2400	----	----	----	14.2	14.7	15.2	11.2	11.4	11.7	9.7	9.7	9.7
DAILY VALUE	----	----	----	14.2	----	15.7	10.2	11.1	12.2	9.7	9.9	10.2
0001 - 0600	----	----	----	13.2	13.4	13.7	10.7	10.9	11.2	9.7	9.7	9.7
0601 - 1200	----	----	----	12.7	12.7	12.7	10.7	11.0	11.2	9.7	9.7	9.7
1201 - 1800	----	----	----	12.7	12.7	12.7	11.2	11.5	11.7	10.2	10.9	11.2
1801 - 2400	----	----	----	12.2	12.2	12.2	11.2	11.4	11.7	10.7	10.7	10.7
DAILY VALUE	----	----	----	12.2	12.7	13.7	10.7	11.2	11.7	9.7	10.2	11.2
0001 - 0600	----	----	----	11.7	11.9	12.2	10.7	10.7	10.7	10.7	10.7	10.7
0601 - 1200	----	----	----	11.7	11.7	11.7	11.2	11.9	12.7	11.7	----	11.7
1201 - 1800	----	----	----	12.2	12.2	12.2	13.2	13.5	13.7	----	----	----
1801 - 2400	----	----	----	11.2	11.5	11.7	12.2	12.7	13.2	----	----	----
DAILY VALUE	----	----	----	11.2	11.8	12.2	10.7	12.2	13.7	10.7	----	11.7
0001 - 0600	----	----	----	11.2	11.2	11.2	12.2	12.2	12.2	----	----	----
0601 - 1200	----	----	----	11.2	11.4	11.7	12.2	13.0	13.7	----	----	----
1201 - 1800	----	----	----	11.7	11.7	11.7	14.2	14.7	15.2	----	----	----
1801 - 2400	----	----	----	11.2	11.4	11.7	13.7	14.2	14.7	----	----	----
DAILY VALUE	----	----	----	11.2	11.4	11.7	12.2	13.5	15.2	----	----	----
0001 - 0600	----	----	----	11.2	11.2	11.2	13.7	13.7	13.7	----	----	----
0601 - 1200	----	----	----	11.2	11.4	11.7	13.7	13.7	13.7	----	----	----
1201 - 1800	----	----	----	12.2	12.2	12.2	13.2	13.5	13.7	----	----	----
1801 - 2400	----	----	----	11.7	12.0	12.2	12.7	13.0	13.2	12.2	12.2	12.2
DAILY VALUE	----	----	----	11.2	11.7	12.2	12.7	13.5	13.7	12.2	----	12.2
0001 - 0600	----	----	----	11.7	11.7	11.7	12.2	12.2	12.2	11.7	11.7	11.7
0601 - 1200	----	----	----	11.7	11.7	11.7	12.2	12.2	12.2	11.7	11.7	11.7
1201 - 1800	----	----	----	11.7	12.0	12.2	12.7	12.7	12.7	11.2	11.5	11.7
1801 - 2400	----	----	----	11.7	11.9	12.2	11.7	12.0	12.2	11.2	11.2	11.2
DAILY VALUE	----	----	----	11.7	11.8	12.2	11.7	12.3	12.7	11.2	11.5	11.7
0001 - 0600	----	----	----	11.2	11.2	11.2	11.7	11.7	11.7	10.7	10.7	10.7
0601 - 1200	----	----	----	11.2	11.4	11.7	11.2	11.2	11.2	10.7	11.0	11.2
1201 - 1800	----	----	----	12.2	12.2	12.2	11.2	11.2	11.2	11.2	11.2	11.2
1801 - 2400	----	----	----	11.2	11.4	11.7	10.2	10.5	10.7	10.7	10.9	11.2
DAILY VALUE	----	----	----	11.2	11.5	12.2	10.2	11.2	11.7	10.7	10.9	11.2
0001 - 0600	----	----	----	10.7	10.9	11.2	10.2	10.2	10.2	MONTHLY VALUE		
0601 - 1200	----	----	----	10.7	11.0	11.2	10.2	10.2	10.2			
1201 - 1800	----	----	----	11.7	11.7	11.7	10.2	10.2	10.2			
1801 - 2400	----	----	----	10.7	10.9	11.2	10.2	10.2	10.2			
DAILY VALUE	----	----	----	10.7	11.1	11.7	10.2	10.2	10.2	9.7	----	15.7

Appendix Table 4-C-13 Cont.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	10.2	10.2	10.2	11.1	11.3	11.6	10.6	10.6	10.6	11.6	11.6	11.6
0601 - 1200	10.2	10.7	11.2	10.6	10.8	11.1	10.6	10.6	10.6	11.6	11.6	11.6
1201 - 1800	11.2	11.5	11.7	11.1	11.1	11.1	10.6	10.6	10.6	12.1	12.1	12.1
1801 - 2400	10.2	10.7	11.2	10.6	10.6	10.6	10.1	10.4	10.6	11.6	11.8	12.1
DAILY VALUE	10.2	10.8	11.7	10.6	10.9	11.6	10.1	10.6	10.6	11.6	11.8	12.1
0001 - 0600	10.2	10.2	10.2	10.1	10.1	10.1	9.6	9.6	9.6	11.1	11.1	11.1
0601 - 1200	10.2	10.7	11.2	10.1	10.1	10.1	9.6	9.9	10.1	11.1	11.3	11.6
1201 - 1800	12.2	12.2	12.2	10.6	10.6	10.6	10.6	10.6	10.6	12.1	12.1	12.1
1801 - 2400	11.2	11.7	12.2	10.1	10.3	10.6	10.1	10.4	10.6	11.1	11.4	12.1
DAILY VALUE	10.2	11.2	12.2	10.1	10.3	10.6	9.6	10.1	10.6	11.1	11.5	12.1
0001 - 0600	10.2	10.4	10.7	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.3	10.6
0601 - 1200	10.2	11.2	12.2	10.1	10.6	11.1	10.1	10.3	10.6	9.6	9.9	10.6
1201 - 1800	12.7	13.0	13.2	11.6	11.8	12.1	11.1	11.1	11.1	11.1	11.4	11.6
1801 - 2400	11.7	11.9	12.2	10.6	11.1	11.6	10.6	10.8	11.1	10.1	10.6	11.1
DAILY VALUE	10.2	11.6	13.2	10.1	10.9	12.1	10.1	10.6	11.1	9.6	10.6	11.6
0001 - 0600	11.2	11.2	11.2	10.1	10.3	10.6	10.1	10.1	10.1	10.1	10.1	10.1
0601 - 1200	11.2	12.0	12.7	10.1	10.3	10.6	10.1	10.8	11.6	10.1	10.3	10.6
1201 - 1800	13.2	13.8	14.6	11.6	11.9	12.1	12.6	12.9	13.1	10.6	10.9	11.1
1801 - 2400	12.1	12.6	13.1	11.1	11.4	11.6	11.6	12.1	12.6	10.1	10.6	11.1
DAILY VALUE	11.2	12.4	14.6	10.1	11.0	12.1	10.1	11.5	13.1	10.1	10.5	11.1
0001 - 0600	11.6	11.8	12.1	10.6	10.6	10.6	11.1	11.1	11.1	10.1	10.1	10.1
0601 - 1200	11.6	12.1	12.6	10.6	11.1	11.6	11.1	11.3	11.6	10.1	10.1	10.1
1201 - 1800	13.1	13.4	13.6	12.6	12.9	13.1	12.6	12.9	13.1	10.1	10.1	10.1
1801 - 2400	12.1	12.6	13.1	12.6	12.8	13.1	11.6	12.1	12.6	10.1	10.1	10.1
DAILY VALUE	11.6	12.5	13.6	10.6	11.8	13.1	11.1	11.8	13.1	10.1	10.1	10.1
0001 - 0600	11.6	11.9	12.1	12.1	12.1	12.1	11.1	11.1	11.1	9.6	9.6	9.6
0601 - 1200	11.6	12.1	12.6	12.1	12.1	12.1	11.1	11.3	11.6	9.6	9.6	9.6
1201 - 1800	12.6	13.3	13.6	12.6	12.6	12.6	12.1	12.4	12.6	9.6	9.6	9.6
1801 - 2400	12.1	12.6	13.1	12.1	12.3	12.6	12.1	12.3	12.6	9.1	9.4	9.6
DAILY VALUE	11.6	12.5	13.6	12.1	12.3	12.6	11.1	11.8	12.6	9.1	9.6	9.6
0001 - 0600	11.6	11.8	12.1	11.6	11.9	12.1	11.6	11.6	11.6	8.6	8.9	9.1
0601 - 1200	11.6	11.8	12.1	11.6	11.8	12.1	11.6	11.8	12.1	8.6	8.6	8.6
1201 - 1800	12.1	12.3	12.6	12.6	12.9	13.1	12.1	12.4	12.6	9.1	9.1	9.1
1801 - 2400	11.6	11.9	12.1	11.6	12.1	12.6	11.6	11.9	12.1	8.6	8.9	9.1
DAILY VALUE	11.6	11.9	12.6	11.6	12.2	13.1	11.6	11.9	12.6	8.6	8.9	9.1
0001 - 0600	11.1	11.4	11.6	11.1	11.4	11.6	11.6	11.6	11.6	MONTHLY VALUE		
0601 - 1200	11.1	11.6	12.1	11.1	11.4	11.6	11.6	11.6	11.6			
1201 - 1800	12.6	12.6	12.6	12.1	12.3	12.6	12.1	12.4	12.6	8.6 11.3 14.6		
1801 - 2400	11.6	11.9	12.1	11.1	11.3	11.6	11.6	12.1	12.6			
DAILY VALUE	11.1	11.9	12.6	11.1	11.6	12.6	11.6	11.9	12.6			

Appendix Table 4-C-15 Cont.

- SEPTEMBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	8.6	8.6	8.6	8.5	8.5	8.5	7.5	7.7	8.0	3.8	3.8	3.8
0601 - 1200	8.6	8.8	9.1	8.5	8.5	8.5	7.5	7.5	7.5	3.8	3.8	3.8
1201 - 1800	9.6	9.6	9.6	8.5	8.5	8.5	7.5	7.5	7.5	4.3	4.3	4.3
1801 - 2400	8.6	9.1	9.6	8.5	8.5	8.5	7.0	7.2	7.5	4.3	4.3	4.3
DAILY VALUE	8.6	9.0	9.6	8.5	8.5	8.5	7.0	7.5	8.0	3.8	4.0	4.3
0001 - 0600	8.6	8.6	8.6	8.5	8.5	8.5	7.0	7.0	7.0	4.3	4.3	4.3
0601 - 1200	8.6	8.6	8.6	8.0	8.2	8.5	7.0	7.0	7.0	4.3	4.3	4.3
1201 - 1800	9.1	9.6	10.0	8.5	8.5	8.5	7.0	7.0	7.0	4.3	4.3	4.3
1801 - 2400	9.0	9.0	9.0	8.0	8.3	8.5	7.0	7.0	7.0	4.3	4.3	4.3
DAILY VALUE	8.6	8.9	10.0	8.0	8.4	8.5	7.0	7.0	7.0	4.3	4.3	4.3
0001 - 0600	8.5	8.5	8.5	7.5	7.7	8.0	6.5	6.5	6.5	4.3	4.3	4.3
0601 - 1200	8.5	8.5	8.5	7.5	7.5	7.5	6.5	6.7	7.0	4.3	4.3	4.3
1201 - 1800	8.5	8.8	9.0	7.5	7.5	7.5	7.0	7.0	7.0	4.3	4.6	4.8
1801 - 2400	8.5	8.7	9.0	7.0	7.3	7.5	7.0	7.0	7.0	4.3	4.5	4.8
DAILY VALUE	8.5	8.6	9.0	7.0	7.5	8.0	6.5	6.8	7.0	4.3	4.4	4.8
0001 - 0600	8.5	8.5	8.5	6.5	6.7	7.0	7.0	7.0	7.0	3.8	4.1	4.3
0601 - 1200	8.5	8.5	8.5	6.5	6.5	6.5	6.8	6.9	7.0	3.8	3.8	3.8
1201 - 1800	9.0	9.0	9.0	7.5	7.5	7.5	6.3	6.3	6.3	4.3	4.3	4.3
1801 - 2400	8.5	8.5	8.5	7.0	7.0	7.0	6.3	6.3	6.3	3.8	3.8	3.8
DAILY VALUE	8.5	8.6	9.0	6.5	6.9	7.5	6.3	6.6	7.0	3.8	4.0	4.3
0001 - 0600	8.0	8.0	8.0	7.0	7.0	7.0	6.3	6.3	6.3	3.8	3.8	3.8
0601 - 1200	8.0	8.2	8.5	7.0	7.0	7.0	6.3	6.3	6.3	3.8	3.8	3.8
1201 - 1800	8.5	8.5	8.5	7.0	7.0	7.0	6.3	6.3	6.3	3.8	4.1	4.3
1801 - 2400	8.5	8.5	8.5	7.0	7.0	7.0	5.8	6.1	6.3	3.8	3.8	3.8
DAILY VALUE	8.0	8.3	8.5	7.0	7.0	7.0	5.8	6.3	6.3	3.8	3.9	4.3
0001 - 0600	8.5	8.5	8.5	7.0	7.0	7.0	5.8	5.8	5.8	3.8	3.8	3.8
0601 - 1200	8.5	8.5	8.5	7.0	7.0	7.0	5.8	5.8	5.8	3.8	3.8	3.8
1201 - 1800	8.5	8.5	8.5	7.5	7.5	7.5	5.8	5.8	5.8	4.3	4.3	4.3
1801 - 2400	8.5	8.5	8.5	7.0	7.3	7.5	5.3	5.5	5.8	4.3	4.3	4.3
DAILY VALUE	8.5	8.5	8.5	7.0	7.2	7.5	5.3	5.7	5.8	3.8	4.0	4.3
0001 - 0600	8.5	8.5	8.5	7.0	7.0	7.0	5.3	5.3	5.3	----	----	----
0601 - 1200	8.5	8.8	9.0	7.0	7.2	7.5	5.3	5.3	5.3	----	----	----
1201 - 1800	9.5	9.5	9.5	7.5	7.8	8.0	5.3	5.3	5.3	----	----	----
1801 - 2400	9.5	9.5	9.5	8.0	8.0	8.0	4.3	4.8	5.3	----	----	----
DAILY VALUE	8.5	9.1	9.5	7.0	7.5	8.0	4.3	5.2	5.3	----	----	----
0001 - 0600	9.0	9.2	9.5	8.0	8.0	8.0	4.3	4.3	4.3	MONTHLY VALUE		
0601 - 1200	9.0	9.0	9.0	8.0	8.0	8.0	3.8	4.0	4.3			
1201 - 1800	9.5	9.5	9.5	8.0	8.0	8.0	4.3	4.3	4.3			
1801 - 2400	9.0	9.0	9.0	8.0	8.0	8.0	4.3	4.3	4.3			
DAILY VALUE	9.0	9.2	9.5	8.0	8.0	8.0	3.8	4.2	4.3	3.8	6.8	10.0

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Appendix Table 4-C-13 Cont.

- OCTOBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	3.8	3.8	3.8	---	---	---	---	---	---	---	---	---
0601 - 1200	3.8	3.8	3.8	---	---	---	---	---	---	---	---	---
1201 - 1800	---	---	---	---	---	---	---	---	---	---	---	---
1801 - 2400	---	---	---	---	---	---	---	---	---	---	---	---
DAILY VALUE	3.8	---	3.8	---	---	---	---	---	---	---	---	---
0001 - 0600	---	---	---	---	---	---	---	---	---	---	---	---
0601 - 1200	---	---	---	---	---	---	---	---	---	---	---	---
1201 - 1800	---	---	---	---	---	---	---	---	---	---	---	---
1801 - 2400	---	---	---	---	---	---	---	---	---	---	---	---
DAILY VALUE	---	---	---	---	---	---	---	---	---	---	---	---
0001 - 0600	---	---	---	---	---	---	---	---	---	---	---	---
0601 - 1200	---	---	---	---	---	---	---	---	---	---	---	---
1201 - 1800	---	---	---	---	---	---	---	---	---	---	---	---
1801 - 2400	---	---	---	---	---	---	---	---	---	---	---	---
DAILY VALUE	---	---	---	---	---	---	---	---	---	---	---	---
0001 - 0600	---	---	---	---	---	---	---	---	---	---	---	---
0601 - 1200	---	---	---	---	---	---	---	---	---	---	---	---
1201 - 1800	---	---	---	---	---	---	---	---	---	---	---	---
1801 - 2400	---	---	---	---	---	---	---	---	---	---	---	---
DAILY VALUE	---	---	---	---	---	---	---	---	---	---	---	---
0001 - 0600	---	---	---	---	---	---	---	---	---	---	---	---
0601 - 1200	---	---	---	---	---	---	---	---	---	---	---	---
1201 - 1800	---	---	---	---	---	---	---	---	---	---	---	---
1801 - 2400	---	---	---	---	---	---	---	---	---	---	---	---
DAILY VALUE	---	---	---	---	---	---	---	---	---	---	---	---
0001 - 0600	---	---	---	---	---	---	---	---	---	---	---	---
0601 - 1200	---	---	---	---	---	---	---	---	---	---	---	---
1201 - 1800	---	---	---	---	---	---	---	---	---	---	---	---
1801 - 2400	---	---	---	---	---	---	---	---	---	---	---	---
DAILY VALUE	---	---	---	---	---	---	---	---	---	---	---	---
0001 - 0600	---	---	---	---	---	---	---	---	---	MONTHLY VALUE		
0601 - 1200	---	---	---	---	---	---	---	---	---			
1201 - 1800	---	---	---	---	---	---	---	---	---			
1801 - 2400	---	---	---	---	---	---	---	---	---			
DAILY VALUE	---	---	---	---	---	---	---	---	---	3.8	---	3.8

4-C-47

Appendix Table 4-C-14 Thermograph data summary, summer surface water temperature (C),
Slough 9-Area of R&M Stage Recorder, RM 129.2, Geocode
S30N03W16ACB.

- JULY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	---	---	---	---	---	---	---	---	---	---	---	---
0601 - 1200	---	---	---	---	---	---	---	---	---	---	---	---
1201 - 1800	---	---	---	---	---	---	---	---	---	---	---	---
1801 - 2400	---	---	---	---	---	---	---	---	---	---	---	---
DAILY VALUE	---	---	---	---	---	---	---	---	---	---	---	---
0001 - 0600	---	---	---	---	---	---	---	---	---	---	---	---
0601 - 1200	---	---	---	---	---	---	---	---	---	---	---	---
1201 - 1800	---	---	---	---	---	---	---	---	---	---	---	---
1801 - 2400	---	---	---	---	---	---	---	---	---	---	---	---
DAILY VALUE	---	---	---	---	---	---	---	---	---	---	---	---
0001 - 0600	---	---	---	---	---	---	---	---	---	---	---	---
0601 - 1200	---	---	---	---	---	---	---	---	---	---	---	---
1201 - 1800	---	---	---	---	---	---	---	---	---	---	---	---
1801 - 2400	---	---	---	---	---	---	---	---	---	---	---	---
DAILY VALUE	---	---	---	---	---	---	---	---	---	---	---	---
0001 - 0600	---	---	---	---	---	---	---	---	---	---	---	---
0601 - 1200	---	---	---	---	---	---	---	---	---	---	---	---
1201 - 1800	---	---	---	---	---	---	---	---	---	12.5	12.5	12.5
1801 - 2400	---	---	---	---	---	---	---	---	---	12.0	12.2	12.5
DAILY VALUE	---	---	---	---	---	---	---	---	---	12.0	---	12.5
0001 - 0600	---	---	---	---	---	---	---	---	---	11.5	11.5	11.5
0601 - 1200	---	---	---	---	---	---	---	---	---	11.5	11.7	12.0
1201 - 1800	---	---	---	---	---	---	---	---	---	11.5	11.8	12.0
1801 - 2400	---	---	---	---	---	---	---	---	---	11.0	11.2	11.5
DAILY VALUE	---	---	---	---	---	---	---	---	---	11.0	11.5	12.0
0001 - 0600	---	---	---	---	---	---	---	---	---	10.5	10.7	11.0
0601 - 1200	---	---	---	---	---	---	---	---	---	10.5	10.5	10.5
1201 - 1800	---	---	---	---	---	---	---	---	---	10.5	10.5	10.5
1801 - 2400	---	---	---	---	---	---	---	---	---	10.5	10.5	10.5
DAILY VALUE	---	---	---	---	---	---	---	---	---	10.5	10.5	11.0
0001 - 0600	---	---	---	---	---	---	---	---	---	10.0	10.0	10.0
0601 - 1200	---	---	---	---	---	---	---	---	---	10.0	10.0	10.0
1201 - 1800	---	---	---	---	---	---	---	---	---	10.5	10.5	10.5
1801 - 2400	---	---	---	---	---	---	---	---	---	10.0	10.2	10.5
DAILY VALUE	---	---	---	---	---	---	---	---	---	10.0	10.2	10.5
0001 - 0600	---	---	---	---	---	---	---	---	---	---	---	---
0601 - 1200	---	---	---	---	---	---	---	---	---	---	---	---
1201 - 1800	---	---	---	---	---	---	---	---	---	---	---	---
1801 - 2400	---	---	---	---	---	---	---	---	---	---	---	---
DAILY VALUE	---	---	---	---	---	---	---	---	---	10.0	---	12.5
MONTHLY VALUE												

Appendix Table 4-C-14 Cont.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	9.5	9.7	10.0	8.0	8.5	9.0	8.0	8.5	9.0	8.5	9.0	9.5
0601 - 1200	9.5	9.7	10.0	7.5	7.7	8.0	7.5	7.5	7.5	8.0	8.0	8.0
1201 - 1800	10.5	10.8	11.0	9.0	9.5	10.0	8.0	8.7	9.5	8.5	9.3	10.0
1801 - 2400	10.0	10.2	10.5	9.0	9.5	10.0	8.5	9.2	9.5	9.0	9.8	10.5
DAILY VALUE	9.5	10.1	11.0	7.5	8.8	10.0	7.5	8.5	9.5	8.0	9.0	10.5
0001 - 0600	9.0	9.3	9.5	8.0	8.2	8.5	7.5	7.7	8.0	7.5	8.0	8.5
0601 - 1200	9.0	9.7	10.5	7.5	7.7	8.0	7.0	7.2	7.5	7.5	7.7	8.0
1201 - 1800	11.5	11.8	12.0	9.0	9.3	9.5	8.0	8.7	9.0	9.0	10.3	11.5
1801 - 2400	9.5	10.7	11.5	8.5	9.0	9.5	8.0	8.7	9.0	9.5	10.7	11.5
DAILY VALUE	9.0	10.4	12.0	7.5	8.5	9.5	7.0	8.0	9.0	7.5	9.2	11.5
0001 - 0600	8.0	8.5	9.0	7.5	7.7	8.0	6.5	6.8	7.5	6.5	7.3	8.0
0601 - 1200	8.0	9.2	10.5	7.0	7.7	8.5	6.0	6.5	7.0	6.0	6.0	6.0
1201 - 1800	12.0	12.3	12.5	10.0	10.8	11.5	8.0	9.0	10.0	7.5	9.2	11.0
1801 - 2400	9.5	10.7	12.0	8.5	9.8	11.0	8.5	9.3	10.0	9.0	10.0	11.0
DAILY VALUE	8.0	10.2	12.5	7.0	9.0	11.5	6.0	7.9	10.0	6.0	8.1	11.0
0001 - 0600	7.5	8.2	9.0	6.5	7.2	8.0	6.5	7.0	7.5	6.5	7.2	8.0
0601 - 1200	7.5	8.8	10.5	6.5	7.0	8.0	6.5	7.0	7.5	6.5	6.5	6.5
1201 - 1800	12.5	13.2	13.5	10.0	10.8	12.0	9.5	10.5	11.5	7.0	8.0	9.0
1801 - 2400	10.0	11.3	12.5	9.0	10.2	11.5	9.0	10.0	11.0	9.0	9.3	9.5
DAILY VALUE	7.5	10.4	13.5	6.5	8.8	12.0	6.5	8.6	11.5	6.5	7.7	9.5
0001 - 0600	8.0	8.5	9.0	7.5	7.8	8.5	7.0	7.5	8.0	7.5	8.0	8.5
0601 - 1200	8.0	8.8	10.0	7.5	7.8	8.5	6.5	6.8	7.5	7.0	7.2	7.5
1201 - 1800	12.5	13.0	13.5	10.5	11.7	12.5	9.5	11.2	12.5	8.0	8.2	8.5
1801 - 2400	10.0	11.0	12.0	10.0	11.0	12.0	9.5	10.8	12.0	8.0	8.3	8.5
DAILY VALUE	8.0	10.3	13.5	7.5	9.6	12.5	6.5	9.1	12.5	7.0	7.9	8.5
0001 - 0600	7.5	8.3	9.0	8.5	8.7	9.0	7.0	7.7	8.5	7.0	7.5	8.0
0601 - 1200	7.5	8.2	9.5	8.0	8.0	8.0	6.5	6.7	7.0	7.0	7.0	7.0
1201 - 1800	10.5	11.5	12.5	8.0	8.5	9.0	8.5	10.5	12.0	7.5	7.7	8.0
1801 - 2400	9.5	10.8	12.0	8.5	8.8	9.0	10.0	11.2	12.5	7.5	7.7	8.0
DAILY VALUE	7.5	9.7	12.5	8.0	8.5	9.0	6.5	9.0	12.5	7.0	7.5	8.0
0001 - 0600	7.5	8.0	8.5	7.0	7.5	8.0	8.0	8.5	9.0	7.0	7.0	7.0
0601 - 1200	7.5	7.8	8.5	7.0	7.5	8.0	8.0	8.2	8.5	7.0	7.0	7.0
1201 - 1800	10.0	10.3	10.5	9.0	10.5	11.5	9.0	9.8	10.5	7.5	8.2	9.0
1801 - 2400	8.5	9.3	10.0	9.0	10.0	11.0	9.5	10.3	11.0	8.0	8.5	9.0
DAILY VALUE	7.5	8.9	10.5	7.0	8.9	11.5	8.0	9.2	11.0	7.0	7.7	9.0
0001 - 0600	7.0	7.5	8.0	7.5	7.8	8.0	8.0	8.3	9.0	MONTHLY VALUE		
0601 - 1200	6.5	7.3	8.5	7.5	8.2	9.0	7.5	7.7	8.0			
1201 - 1800	11.0	11.7	12.0	10.5	11.7	12.5	8.5	9.7	11.0	6.0 8.9 13.5		
1801 - 2400	9.5	10.3	11.5	9.5	10.7	12.0	10.0	10.5	11.0			
DAILY VALUE	6.5	9.2	12.0	7.5	9.6	12.5	7.5	9.0	11.0			

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Appendix Table 4-C-14 Cont.

- SEPTEMBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	7.5	7.5	7.5	7.0	7.2	7.5	----	----	----	3.9	4.1	4.4
0601 - 1200	7.5	7.7	8.0	7.0	7.0	7.0	----	----	----	3.4	3.7	4.4
1201 - 1800	9.0	10.2	11.0	7.0	7.7	8.0	----	----	----	4.9	5.2	5.4
1801 - 2400	8.5	9.2	10.0	7.5	7.8	8.0	----	----	----	4.9	5.1	5.4
DAILY VALUE	7.5	8.6	11.0	7.0	7.4	8.0	----	----	----	3.4	4.5	5.4
0001 - 0600	7.5	7.7	8.0	6.5	6.8	7.0	----	----	----	4.9	4.9	4.9
0601 - 1200	7.0	7.2	7.5	6.5	6.7	7.0	----	----	----	4.9	4.9	4.9
1201 - 1800	8.0	8.7	9.5	7.5	7.8	8.0	----	----	----	5.4	5.4	5.4
1801 - 2400	8.0	8.7	9.0	7.5	7.8	8.0	----	----	----	4.9	5.1	5.4
DAILY VALUE	7.0	8.0	9.5	6.5	7.3	8.0	----	----	----	4.9	5.1	5.4
0001 - 0600	7.5	7.7	8.0	6.5	6.7	7.0	----	----	----	4.9	4.9	4.9
0601 - 1200	7.5	7.5	7.5	6.5	6.5	6.5	----	----	----	4.9	4.9	4.9
1201 - 1800	7.5	7.7	8.0	6.5	6.8	7.0	----	----	----	5.4	5.6	5.9
1801 - 2400	7.5	7.8	8.0	6.5	6.8	7.0	----	----	----	4.4	4.9	5.4
DAILY VALUE	7.5	7.7	8.0	6.5	6.7	7.0	----	----	----	4.4	5.1	5.9
0001 - 0600	7.0	7.0	7.0	5.5	5.7	6.0	----	----	----	3.4	3.7	3.9
0601 - 1200	7.0	7.0	7.0	5.0	5.2	5.5	----	----	----	3.4	3.6	3.9
1201 - 1800	7.5	8.3	9.0	6.0	6.8	7.5	6.9	6.9	6.9	4.4	4.7	4.9
1801 - 2400	7.5	8.0	8.5	6.5	7.0	7.5	6.4	6.4	6.4	4.9	4.9	4.9
DAILY VALUE	7.0	7.6	9.0	5.0	6.2	7.5	6.4	----	6.9	3.4	4.2	4.9
0001 - 0600	6.5	6.7	7.0	6.0	6.2	6.5	6.4	6.4	6.4	4.4	4.4	4.4
0601 - 1200	6.5	6.7	7.0	6.0	6.0	6.0	6.4	6.4	6.4	4.4	4.4	4.4
1201 - 1800	7.5	7.8	8.0	6.0	6.3	6.5	6.4	6.4	6.4	4.9	5.4	5.9
1801 - 2400	7.5	7.8	8.0	6.5	6.5	6.5	5.9	6.2	6.4	4.9	5.2	5.4
DAILY VALUE	6.5	7.2	8.0	6.0	6.2	6.5	5.9	6.4	6.4	4.4	4.9	5.9
0001 - 0600	7.0	7.2	7.5	----	----	----	5.9	5.9	5.9	4.9	4.9	4.9
0601 - 1200	7.0	7.0	7.0	----	----	----	5.9	5.9	5.9	4.9	4.9	4.9
1201 - 1800	7.5	7.8	8.0	----	----	----	6.4	6.6	6.9	5.4	5.6	5.9
1801 - 2400	7.5	7.7	8.0	----	----	----	4.9	5.4	5.9	4.9	5.2	5.4
DAILY VALUE	7.0	7.4	8.0	----	----	----	4.9	5.9	6.9	4.9	5.1	5.9
0001 - 0600	7.0	7.0	7.0	----	----	----	4.9	4.9	4.9	----	----	----
0601 - 1200	7.0	7.2	7.5	----	----	----	4.9	4.9	4.9	----	----	----
1201 - 1800	8.0	8.5	9.0	----	----	----	5.9	5.9	5.9	----	----	----
1801 - 2400	8.0	8.2	8.5	----	----	----	3.9	4.7	5.4	----	----	----
DAILY VALUE	7.0	7.7	9.0	----	----	----	3.9	5.1	5.9	----	----	----
0001 - 0600	7.0	7.3	7.5	----	----	----	3.4	3.6	3.9	-----	-----	-----
0601 - 1200	7.0	7.2	7.5	----	----	----	2.9	3.2	3.9	MONTHLY VALUE		
1201 - 1800	8.0	8.2	8.5	----	----	----	4.9	5.2	5.4	-----	-----	-----
1801 - 2400	7.5	8.0	8.5	----	----	----	4.9	5.1	5.4	2.9	6.4	11.0
DAILY VALUE	7.0	7.7	8.5	----	----	----	2.9	4.3	5.4	-----	-----	-----

Appendix Table 4-C-14 Cont.

- OCTOBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	4.9	4.9	4.9	1.7	1.7	1.7	1.7	1.7	1.7	.7	.7	.7
0601 - 1200	4.4	4.4	4.4	2.2	2.4	2.7	1.7	2.0	2.2	.7	.9	1.2
1201 - 1800	4.7	4.7	4.7	3.2	3.4	3.7	2.7	2.7	2.7	1.2	1.2	1.2
1801 - 2400	3.7	3.9	4.2	2.7	2.9	3.2	1.7	2.0	2.2	.7	.9	1.2
DAILY VALUE	3.7	4.5	4.9	1.7	2.6	3.7	1.7	2.1	2.7	.7	.9	1.2
0001 - 0600	3.7	3.7	3.7	2.7	2.7	2.7	1.7	1.7	1.7	.7	.7	.7
0601 - 1200	3.7	3.9	4.2	2.7	2.7	2.7	1.7	1.7	1.7	.7	.7	.7
1201 - 1800	4.7	5.0	5.2	3.2	3.2	3.2	2.2	2.2	2.2	.7	.7	.7
1801 - 2400	3.7	4.2	4.7	2.7	2.7	2.7	2.2	2.2	2.2	.7	.7	.7
DAILY VALUE	3.7	4.2	5.2	2.7	2.8	3.2	1.7	1.9	2.2	.7	.7	.7
0001 - 0600	3.2	3.5	3.7	2.2	2.2	2.2	2.2	2.2	2.2	.7	.7	.7
0601 - 1200	3.2	3.4	3.7	2.2	2.2	2.2	1.7	1.9	2.2	.7	.7	.7
1201 - 1800	3.7	4.0	4.2	2.2	2.4	2.7	1.7	2.0	2.2	.7	.7	.7
1801 - 2400	3.7	3.9	4.2	2.2	2.2	2.2	2.2	2.2	2.2	.7	.7	.7
DAILY VALUE	3.2	3.7	4.2	2.2	2.2	2.7	1.7	2.1	2.2	.7	.7	.7
0001 - 0600	2.7	2.9	3.2	1.7	1.7	1.7	2.2	2.2	2.2	.7	.7	.7
0601 - 1200	2.2	2.2	2.2	1.7	1.7	1.7	1.7	2.0	2.2	.7	.7	.7
1201 - 1800	2.7	3.0	3.2	2.2	2.4	2.7	2.2	2.2	2.2	.7	.7	.7
1801 - 2400	2.2	2.7	3.2	2.2	2.2	2.2	1.7	1.9	2.2	.7	.7	.7
DAILY VALUE	2.2	2.7	3.2	1.7	2.0	2.7	1.7	2.1	2.2	.7	.7	.7
0001 - 0600	1.7	1.9	2.2	1.7	1.9	2.2	1.2	1.4	1.7	.7	.7	.7
0601 - 1200	1.7	1.7	1.7	1.7	1.7	1.7	1.2	1.2	1.2	.7	.9	1.2
1201 - 1800	2.2	2.5	2.7	2.2	2.2	2.2	1.2	1.4	1.7	1.2	1.2	1.2
1801 - 2400	1.7	2.0	2.2	2.2	2.2	2.2	1.2	1.2	1.2	.7	.7	.7
DAILY VALUE	1.7	2.0	2.7	1.7	2.0	2.2	1.2	1.3	1.7	.7	.9	1.2
0001 - 0600	1.2	1.4	1.7	1.7	1.7	1.7	1.2	1.2	1.2	.7	.7	.7
0601 - 1200	1.2	1.4	1.7	1.7	1.7	1.7	1.2	1.2	1.2	.7	.7	.7
1201 - 1800	2.2	2.5	2.7	2.2	2.4	2.7	1.2	1.5	1.7	----	----	----
1801 - 2400	2.7	2.7	2.7	1.2	1.7	2.2	1.2	1.4	1.7	----	----	----
DAILY VALUE	1.2	2.0	2.7	1.2	1.9	2.7	1.2	1.3	1.7	.7	----	.7
0001 - 0600	2.2	2.2	2.2	1.2	1.5	1.7	1.2	1.2	1.2	----	----	----
0601 - 1200	2.2	2.2	2.2	1.2	1.4	1.7	1.2	1.2	1.2	----	----	----
1201 - 1800	2.2	2.5	2.7	1.7	2.0	2.2	1.2	1.4	1.7	----	----	----
1801 - 2400	2.2	2.5	2.7	1.7	1.7	1.7	1.2	1.2	1.2	----	----	----
DAILY VALUE	2.2	2.4	2.7	1.2	1.7	2.2	1.2	1.2	1.7	----	----	----
0001 - 0600	1.7	1.9	2.2	1.7	1.7	1.7	1.2	1.2	1.2	MONTHLY VALUE		
0601 - 1200	1.7	2.0	2.2	1.7	1.7	1.7	1.2	1.2	1.2			
1201 - 1800	2.7	3.0	3.2	1.7	1.7	1.7	1.2	1.5	1.7			
1801 - 2400	1.7	2.2	2.7	1.7	1.7	1.7	1.2	1.4	1.7			
DAILY VALUE	1.7	2.3	3.2	1.7	1.7	1.7	1.2	1.3	1.7			

Appendix A Table 4-C-15 Thermograph data summary, summer surface water temperature (C),
LRX 35, RM 130.8, Geocode S30N03W03DCA.

- JULY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	----	----	----	8.4	8.4	8.4	7.9	7.9	7.9
0601 - 1200	----	----	----	----	----	----	7.9	7.9	7.9	7.9	7.9	7.9
1201 - 1800	----	----	----	14.4	14.4	14.4	7.9	7.9	7.9	8.9	8.9	8.9
1801 - 2400	----	----	----	13.9	14.1	14.4	7.9	7.9	7.9	8.9	8.9	8.9
DAILY VALUE	----	----	----	13.9	----	14.4	7.9	8.0	8.4	7.9	8.4	8.9
0001 - 0600	----	----	----	12.9	13.1	13.4	7.9	7.9	7.9	8.9	8.9	8.9
0601 - 1200	----	----	----	12.4	12.4	12.4	7.9	7.9	7.9	8.9	8.9	8.9
1201 - 1800	----	----	----	12.4	12.4	12.4	7.9	7.9	7.9	8.9	9.1	9.4
1801 - 2400	----	----	----	11.9	12.1	12.4	7.9	7.9	7.9	9.4	9.6	9.9
DAILY VALUE	----	----	----	11.9	12.5	13.4	7.9	7.9	7.9	8.9	9.1	9.9
0001 - 0600	----	----	----	11.4	11.6	11.9	7.9	7.9	7.9	9.9	10.1	10.4
0601 - 1200	----	----	----	10.9	11.1	11.4	7.9	7.9	7.9	10.4	10.4	10.4
1201 - 1800	----	----	----	10.9	10.9	10.9	7.9	7.9	7.9	-----	-----	-----
1801 - 2400	----	----	----	10.9	10.9	10.9	7.9	8.1	8.4	-----	-----	-----
DAILY VALUE	----	----	----	10.9	11.1	11.9	7.9	7.9	8.4	9.9	-----	10.4
0001 - 0600	----	----	----	10.9	10.9	10.9	8.4	8.4	8.4	-----	-----	-----
0601 - 1200	----	----	----	10.9	10.9	10.9	8.4	8.4	8.4	-----	-----	-----
1201 - 1800	----	----	----	10.9	10.9	10.9	8.4	8.4	8.4	12.9	-----	12.9
1801 - 2400	----	----	----	10.9	10.9	10.9	8.4	8.4	8.4	12.9	12.9	12.9
DAILY VALUE	----	----	----	10.9	10.9	10.9	8.4	8.4	8.4	12.9	-----	12.9
0001 - 0600	----	----	----	10.9	10.9	10.9	8.4	8.4	8.4	12.9	12.9	12.9
0601 - 1200	----	----	----	10.4	10.6	10.9	8.4	8.4	8.4	12.4	12.7	12.9
1201 - 1800	----	----	----	10.4	10.4	10.4	8.4	8.4	8.4	12.4	12.4	12.4
1801 - 2400	----	----	----	10.4	10.4	10.4	8.4	8.4	8.4	11.9	12.2	12.4
DAILY VALUE	----	----	----	10.4	10.6	10.9	8.4	8.4	8.4	11.9	12.6	12.9
0001 - 0600	----	----	----	10.4	10.4	10.4	8.4	8.4	8.4	11.9	11.9	11.9
0601 - 1200	----	----	----	9.9	9.9	9.9	8.4	8.4	8.4	11.4	11.4	11.4
1201 - 1800	----	----	----	9.9	9.9	9.9	8.4	8.4	8.4	11.4	11.4	11.4
1801 - 2400	----	----	----	9.4	9.7	9.9	8.4	8.4	8.4	10.9	10.9	10.9
DAILY VALUE	----	----	----	9.4	10.0	10.4	8.4	8.4	8.4	10.9	11.4	11.9
0001 - 0600	----	----	----	9.4	9.4	9.4	8.4	8.4	8.4	10.4	10.4	10.4
0601 - 1200	----	----	----	8.9	9.1	9.4	8.4	8.4	8.4	10.4	10.4	10.4
1201 - 1800	----	----	----	8.9	8.9	8.9	7.9	8.2	8.4	10.4	10.4	10.4
1801 - 2400	----	----	----	8.9	8.9	8.9	7.9	7.9	7.9	10.4	10.4	10.4
DAILY VALUE	----	----	----	8.9	9.1	9.4	7.9	8.2	8.4	10.4	10.4	10.4
0001 - 0600	----	----	----	8.4	8.7	8.9	7.9	7.9	7.9	-----	-----	-----
0601 - 1200	----	----	----	8.4	8.4	8.4	7.9	7.9	7.9	MONTHLY VALUE		
1201 - 1800	----	----	----	8.4	8.4	8.4	7.9	7.9	7.9	-----	-----	-----
1801 - 2400	----	----	----	8.4	8.4	8.4	7.9	7.9	7.9	7.9	-----	14.4
DAILY VALUE	----	----	----	8.4	8.5	8.9	7.9	7.9	7.9	-----	-----	-----

App. Table 4-C-15 Cont.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	9.9	10.1	10.4	---	---	---	---	---	---	---	---	---
0601 - 1200	9.4	9.4	9.4	---	---	---	---	---	---	---	---	---
1201 - 1800	9.4	9.6	9.9	---	---	---	---	---	---	---	---	---
1801 - 2400	9.9	9.9	9.9	---	---	---	---	---	---	---	---	---
DAILY VALUE	9.4	9.7	10.4	---	---	---	---	---	---	---	---	---
0001 - 0600	9.4	9.4	9.4	---	---	---	---	---	---	---	---	---
0601 - 1200	9.4	9.4	9.4	---	---	---	---	---	---	---	---	---
1201 - 1800	9.4	9.4	9.4	---	---	---	---	---	---	---	---	---
1801 - 2400	9.4	9.4	9.4	---	---	---	---	---	---	---	---	---
DAILY VALUE	9.4	9.4	9.4	---	---	---	---	---	---	---	---	---
0001 - 0600	9.4	9.4	9.4	---	---	---	---	---	---	---	---	---
0601 - 1200	8.9	9.1	9.4	---	---	---	---	---	---	---	---	---
1201 - 1800	8.9	9.2	9.4	---	---	---	---	---	---	---	---	---
1801 - 2400	11.4	11.4	11.4	---	---	---	---	---	---	---	---	---
DAILY VALUE	8.9	9.8	11.4	---	---	---	---	---	---	---	---	---
0001 - 0600	11.4	11.4	11.4	---	---	---	---	---	---	---	---	---
0601 - 1200	11.4	11.4	11.4	---	---	---	---	---	---	---	---	---
1201 - 1800	11.4	---	11.4	---	---	---	---	---	---	---	---	---
1801 - 2400	---	---	---	---	---	---	---	---	---	---	---	---
DAILY VALUE	11.4	---	11.4	---	---	---	---	---	---	---	---	---
0001 - 0600	---	---	---	---	---	---	---	---	---	---	---	---
0601 - 1200	---	---	---	---	---	---	---	---	---	---	---	---
1201 - 1800	---	---	---	---	---	---	---	---	---	---	---	---
1801 - 2400	---	---	---	---	---	---	---	---	---	---	---	---
DAILY VALUE	---	---	---	---	---	---	---	---	---	---	---	---
0001 - 0600	---	---	---	---	---	---	---	---	---	---	---	---
0601 - 1200	---	---	---	---	---	---	---	---	---	---	---	---
1201 - 1800	---	---	---	---	---	---	---	---	---	---	---	---
1801 - 2400	---	---	---	---	---	---	---	---	---	---	---	---
DAILY VALUE	---	---	---	---	---	---	---	---	---	---	---	---
0001 - 0600	---	---	---	---	---	---	---	---	---	---	---	---
0601 - 1200	---	---	---	---	---	---	---	---	---	---	---	---
1201 - 1800	---	---	---	---	---	---	---	---	---	---	---	---
1801 - 2400	---	---	---	---	---	---	---	---	---	---	---	---
DAILY VALUE	---	---	---	---	---	---	---	---	---	---	---	---
0001 - 0600	---	---	---	---	---	---	---	---	---	MONTHLY VALUE		
0601 - 1200	---	---	---	---	---	---	---	---	---			
1201 - 1800	---	---	---	---	---	---	---	---	---			
1801 - 2400	---	---	---	---	---	---	---	---	---	8.9 --- 11.4		
DAILY VALUE	---	---	---	---	---	---	---	---	---			

Appendix A Table 4-C-15 Cont.

- SEPTEMBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	---	---	---	7.1	7.1	7.1	6.6	6.9	7.1	---	---	---
0601 - 1200	---	---	---	7.1	7.1	7.1	6.6	6.6	6.6	---	---	---
1201 - 1800	---	---	---	7.6	7.6	7.6	6.6	6.6	6.6	---	---	---
1801 - 2400	---	---	---	7.1	7.4	7.6	6.6	6.6	6.6	---	---	---
DAILY VALUE	---	---	---	7.1	7.3	7.6	6.6	6.7	7.1	---	---	---
0001 - 0600	---	---	---	7.1	7.1	7.1	6.1	6.4	6.6	---	---	---
0601 - 1200	---	---	---	7.1	7.1	7.1	6.1	6.1	6.1	---	---	---
1201 - 1800	8.1	8.3	8.6	7.1	7.1	7.1	6.1	6.1	6.1	---	---	---
1801 - 2400	7.6	7.8	8.1	6.6	6.8	7.1	6.1	6.1	6.1	---	---	---
DAILY VALUE	7.6	---	8.6	6.6	7.0	7.1	6.1	6.2	6.6	---	---	---
0001 - 0600	7.6	7.6	7.6	6.6	6.6	6.6	---	---	---	---	---	---
0601 - 1200	7.6	7.6	7.6	6.1	6.1	6.1	---	---	---	---	---	---
1201 - 1800	7.6	7.6	7.6	6.1	6.1	6.1	---	---	---	---	---	---
1801 - 2400	7.6	7.6	7.6	5.6	5.9	6.1	---	---	---	---	---	---
DAILY VALUE	7.6	7.6	7.6	5.6	6.2	6.6	---	---	---	---	---	---
0001 - 0600	7.6	7.6	7.6	5.6	5.6	5.6	---	---	---	---	---	---
0601 - 1200	7.1	7.3	7.6	5.6	5.6	5.6	---	---	---	---	---	---
1201 - 1800	7.6	7.6	7.6	6.1	6.1	6.1	---	---	---	---	---	---
1801 - 2400	7.1	7.3	7.6	5.6	5.6	5.6	---	---	---	---	---	---
DAILY VALUE	7.1	7.4	7.6	5.6	5.7	6.1	---	---	---	---	---	---
0001 - 0600	7.1	7.1	7.1	5.6	5.6	5.6	---	---	---	---	---	---
0601 - 1200	7.1	7.1	7.1	5.6	5.6	5.6	---	---	---	---	---	---
1201 - 1800	7.1	7.3	7.6	5.6	5.6	5.6	---	---	---	---	---	---
1801 - 2400	7.1	7.1	7.1	5.6	5.6	5.6	---	---	---	---	---	---
DAILY VALUE	7.1	7.1	7.6	5.6	5.6	5.6	---	---	---	---	---	---
0001 - 0600	7.1	7.1	7.1	5.6	5.8	6.1	---	---	---	---	---	---
0601 - 1200	7.1	7.1	7.1	6.1	6.1	6.1	---	---	---	---	---	---
1201 - 1800	7.6	7.6	7.6	6.1	6.1	6.1	---	---	---	---	---	---
1801 - 2400	7.6	7.6	7.6	6.1	6.1	6.1	---	---	---	---	---	---
DAILY VALUE	7.1	7.3	7.6	5.6	6.0	6.1	---	---	---	---	---	---
0001 - 0600	7.6	7.6	7.6	6.1	6.1	6.1	---	---	---	---	---	---
0601 - 1200	7.6	7.6	7.6	6.1	6.1	6.1	---	---	---	---	---	---
1201 - 1800	8.1	8.4	8.6	6.6	6.6	6.6	---	---	---	---	---	---
1801 - 2400	8.1	8.1	8.1	6.6	6.9	7.1	---	---	---	---	---	---
DAILY VALUE	7.6	7.9	8.6	6.1	6.4	7.1	---	---	---	---	---	---
0001 - 0600	8.1	8.1	8.1	7.1	7.4	7.6	---	---	---	MONTHLY VALUE		
0601 - 1200	8.1	8.1	8.1	7.1	7.1	7.1	---	---	---			
1201 - 1800	8.1	8.1	8.1	7.1	7.1	7.1	---	---	---			
1801 - 2400	7.6	7.6	7.6	7.1	7.1	7.1	---	---	---	5.6		
DAILY VALUE	7.6	8.0	8.1	7.1	7.2	7.6	---	---	---	8.6		

4-C-54

Appendix Table 4-C-16 Thermograph data summary, summer surface water temperature (C),
Indian River, RM 138.6, Geocode S31N02W09CDA.

- JUNE 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	2.5	2.8	3.0	3.5	3.7	4.0	4.5	5.0	5.5
0601 - 1200	----	----	----	3.0	3.5	4.0	5.5	6.7	7.5	5.0	5.8	7.0
1201 - 1800	----	----	----	4.5	4.5	4.5	6.0	6.8	7.5	8.5	8.5	8.5
1801 - 2400	----	----	----	3.5	4.0	4.5	3.5	4.2	5.0	6.0	6.8	7.5
DAILY VALUE	----	----	----	2.5	3.7	4.5	3.5	5.3	7.5	4.5	6.5	8.5
0001 - 0600	----	----	----	3.5	3.5	3.5	3.5	3.8	4.5	5.0	5.2	5.5
0601 - 1200	----	----	----	3.5	4.0	4.5	5.5	5.8	6.0	5.0	6.0	7.0
1201 - 1800	----	----	----	4.5	4.8	5.0	4.5	5.2	5.5	8.5	8.5	8.5
1801 - 2400	----	----	----	3.5	4.0	4.5	4.0	4.3	4.5	6.5	7.5	8.5
DAILY VALUE	----	----	----	3.5	4.1	5.0	3.5	4.8	6.0	5.0	6.8	8.5
0001 - 0600	----	----	----	3.5	3.5	3.5	3.5	4.2	5.0	5.0	5.2	5.5
0601 - 1200	----	----	----	3.5	3.7	4.0	6.5	7.2	7.5	5.0	6.0	7.0
1201 - 1800	----	----	----	5.0	5.0	5.0	6.5	6.7	7.0	7.5	7.7	8.0
1801 - 2400	----	----	----	4.0	4.3	4.5	4.5	5.0	5.5	6.5	7.0	7.5
DAILY VALUE	----	----	----	3.5	4.1	5.0	3.5	5.7	7.5	5.0	6.5	8.0
0001 - 0600	----	----	----	3.5	3.5	3.5	4.5	4.5	4.5	5.5	5.7	6.0
0601 - 1200	----	----	----	3.5	4.0	4.5	4.5	4.5	4.5	6.0	6.5	7.5
1201 - 1800	----	----	----	4.5	5.0	5.5	4.5	4.5	4.5	7.5	7.5	7.5
1801 - 2400	----	----	----	3.5	3.8	4.5	3.5	3.8	4.0	6.0	6.8	7.5
DAILY VALUE	----	----	----	3.5	4.1	5.5	3.5	4.3	4.5	5.5	6.6	7.5
0001 - 0600	----	----	----	2.5	2.7	3.0	3.5	4.0	4.5	5.5	5.5	5.5
0601 - 1200	----	----	----	3.0	3.7	4.5	5.0	5.2	5.5	5.5	5.7	6.0
1201 - 1800	----	----	----	5.0	5.3	5.5	6.5	---	6.5	7.0	7.3	7.5
1801 - 2400	----	----	----	4.0	4.7	5.5	5.0	5.7	6.0	6.5	7.0	7.5
DAILY VALUE	----	----	----	2.5	4.1	5.5	3.5	5.1	6.5	5.5	6.4	7.5
0001 - 0600	----	----	----	3.5	3.8	4.5	4.0	4.2	4.5	5.5	5.7	6.0
0601 - 1200	----	----	----	5.5	6.3	7.0	4.0	5.0	6.0	5.5	6.2	7.0
1201 - 1800	----	----	----	6.0	6.5	7.0	6.5	6.5	6.5	7.0	7.3	7.5
1801 - 2400	----	----	----	4.5	4.8	5.5	5.5	6.0	6.5	6.0	6.5	7.0
DAILY VALUE	----	----	----	3.5	5.4	7.0	4.0	5.4	6.5	5.5	6.4	7.5
0001 - 0600	----	----	----	4.0	4.0	4.0	4.5	4.7	5.0	----	----	----
0601 - 1200	----	----	----	4.0	4.3	4.5	4.5	5.5	6.5	----	----	----
1201 - 1800	----	----	----	4.0	4.2	4.5	8.0	8.2	8.5	----	----	----
1801 - 2400	----	----	----	3.5	3.7	4.0	6.0	7.2	8.0	----	----	----
DAILY VALUE	----	----	----	3.5	4.0	4.5	4.5	6.4	8.5	----	----	----
0001 - 0600	----	----	----	3.5	3.5	3.5	4.5	4.7	5.0	MONTHLY VALUE		
0601 - 1200	4.5	----	4.5	4.0	4.2	4.5	4.5	5.3	6.5			
1201 - 1800	5.5	5.5	5.5	4.0	4.3	4.5	8.5	8.8	9.0			
1801 - 2400	3.5	4.0	4.5	3.5	3.7	4.0	6.0	7.3	8.5	2.5	5.3	9.0
DAILY VALUE	3.5	----	5.5	3.5	3.9	4.5	4.5	6.5	9.0			

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Appendix Table 4-C-16 Cont.

- JULY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	5.5	5.7	6.0	7.5	7.7	8.0	7.0	7.3	7.5	7.0	7.0	7.0
0601 - 1200	5.5	6.2	7.0	8.0	8.2	8.5	7.0	7.5	8.0	7.0	7.0	7.0
1201 - 1800	7.0	7.0	7.0	9.0	9.3	9.5	9.5	9.8	10.0	7.0	7.0	7.0
1801 - 2400	6.0	6.5	7.0	8.5	9.0	9.5	8.5	9.0	9.5	7.0	7.0	7.0
DAILY VALUE	5.5	6.3	7.0	7.5	8.5	9.5	7.0	8.4	10.0	7.0	7.0	7.0
0001 - 0600	5.0	5.3	5.5	7.0	7.5	8.0	7.5	7.8	8.0	6.5	6.7	7.0
0601 - 1200	5.0	5.7	6.5	7.0	7.3	7.5	7.5	7.5	7.5	6.5	6.5	6.5
1201 - 1800	7.5	8.2	8.5	8.0	8.0	8.0	8.0	8.2	8.5	6.5	6.7	7.0
1801 - 2400	6.5	7.2	8.0	7.5	7.7	8.0	8.0	8.3	8.5	7.0	7.0	7.0
DAILY VALUE	5.0	6.6	8.5	7.0	7.6	8.0	7.5	8.0	8.5	6.5	6.7	7.0
0001 - 0600	5.0	5.2	5.5	7.0	7.0	7.0	6.5	7.0	7.5	6.5	6.7	7.0
0601 - 1200	5.0	6.5	8.0	7.0	7.5	8.0	6.5	7.7	9.0	6.5	6.7	7.0
1201 - 1800	9.0	9.5	10.0	8.0	8.2	8.5	10.5	11.2	11.5	7.5	7.7	8.0
1801 - 2400	7.0	8.0	9.0	7.5	7.8	8.0	9.0	10.0	11.0	7.0	7.5	8.0
DAILY VALUE	5.0	7.3	10.0	7.0	7.6	8.5	6.5	9.0	11.5	6.5	7.1	8.0
0001 - 0600	6.0	6.2	6.5	7.0	7.2	7.5	7.5	7.8	8.5	7.0	7.0	7.0
0601 - 1200	6.0	7.0	8.0	7.0	7.0	7.0	7.5	8.3	9.5	7.0	7.2	7.5
1201 - 1800	9.0	9.0	9.0	7.5	7.5	7.5	11.0	12.0	12.5	8.5	8.8	9.0
1801 - 2400	7.0	7.8	8.5	7.0	7.3	7.5	9.5	10.5	11.5	8.0	8.5	9.0
DAILY VALUE	6.0	7.5	9.0	7.0	7.2	7.5	7.5	9.7	12.5	7.0	7.9	9.0
0001 - 0600	6.0	6.2	6.5	6.5	6.8	7.0	8.5	8.7	9.0	7.5	7.5	7.5
0601 - 1200	6.0	7.0	8.0	6.5	7.0	7.5	8.5	8.5	8.5	7.5	7.5	7.5
1201 - 1800	8.5	8.8	9.0	8.0	8.8	9.5	8.5	8.8	9.0	8.0	8.0	8.0
1801 - 2400	7.5	7.7	8.0	8.5	9.0	9.5	8.5	8.7	9.0	7.5	7.8	8.0
DAILY VALUE	6.0	7.4	9.0	6.5	7.9	9.5	8.5	8.7	9.0	7.5	7.7	8.0
0001 - 0600	6.5	6.7	7.0	7.0	7.2	7.5	8.0	8.2	8.5	7.0	7.3	7.5
0601 - 1200	6.5	7.3	8.0	7.0	7.7	8.5	7.5	7.7	8.0	7.0	7.3	7.5
1201 - 1800	9.0	9.3	9.5	8.5	9.3	10.0	8.0	8.0	8.0	7.5	7.5	7.5
1801 - 2400	8.0	8.5	9.0	8.5	9.0	9.5	7.5	7.8	8.0	7.5	7.7	8.0
DAILY VALUE	6.5	8.0	9.5	7.0	8.3	10.0	7.5	7.9	8.5	7.0	7.5	8.0
0001 - 0600	6.0	6.5	7.0	7.5	7.7	8.0	7.5	7.5	7.5	7.0	7.2	7.5
0601 - 1200	6.5	7.8	9.5	7.5	7.8	8.5	7.5	7.5	7.5	7.0	7.3	7.5
1201 - 1800	11.0	11.3	11.5	9.5	9.5	9.5	7.5	7.5	7.5	8.0	8.0	8.0
1801 - 2400	9.0	10.0	11.0	8.0	8.7	9.5	7.5	7.5	7.5	7.5	7.7	8.0
DAILY VALUE	6.0	8.9	11.5	7.5	8.4	9.5	7.5	7.5	7.5	7.0	7.5	8.0
0001 - 0600	7.5	8.0	8.5	7.0	7.3	7.5	7.0	7.2	7.5	MONTHLY VALUE		
0601 - 1200	8.0	8.8	9.5	7.0	7.3	7.5	7.0	7.0	7.0			
1201 - 1800	9.5	9.8	10.0	8.0	8.7	9.0	7.0	7.0	7.0	5.0 7.8 12.5		
1801 - 2400	8.0	8.5	9.0	8.0	8.5	9.0	7.0	7.0	7.0			
DAILY VALUE	7.5	8.8	10.0	7.0	8.0	9.0	7.0	7.0	7.5			

Table 4-5-16 Cont.

- AUGUST 1982 -

[illegible]

4-C-57

Appendix Table 4-C-17 Thermograph data summary, summer surface water temperature (C),
LRX 53, RM 140.1, Geocode S31N11W10AAC.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	10.7	10.9	11.2	10.7	10.7	10.7	10.7	10.9	11.2
0601 - 1200	----	----	----	10.7	10.7	10.7	10.2	10.5	10.7	10.7	10.7	10.7
1201 - 1800	----	----	----	10.2	10.2	10.2	10.2	10.2	10.2	10.7	10.7	10.7
1801 - 2400	----	----	----	10.2	10.2	10.2	9.7	9.9	10.2	10.7	10.7	10.7
DAILY VALUE	----	----	----	10.2	10.5	11.2	9.7	10.3	10.7	10.7	10.7	11.2
0001 - 0600	----	----	----	10.2	10.2	10.2	9.7	9.7	9.7	10.7	10.7	10.7
0601 - 1200	----	----	----	10.2	10.2	10.2	9.7	10.0	10.2	10.7	10.7	10.7
1201 - 1800	----	----	----	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.4	10.7
1801 - 2400	----	----	----	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
DAILY VALUE	----	----	----	10.2	10.2	10.2	9.7	10.0	10.2	10.2	10.5	10.7
0001 - 0600	----	----	----	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
0601 - 1200	----	----	----	10.2	10.5	10.7	10.2	10.2	10.2	10.2	10.2	10.2
1201 - 1800	----	----	----	10.7	10.7	10.7	10.7	10.7	10.7	10.2	10.2	10.2
1801 - 2400	----	----	----	10.2	10.5	10.7	10.2	10.4	10.7	9.7	10.0	10.2
DAILY VALUE	----	----	----	10.2	10.5	10.7	10.2	10.4	10.7	9.7	10.2	10.2
0001 - 0600	----	----	----	10.2	10.2	10.2	10.2	10.2	10.2	9.2	9.5	9.7
0601 - 1200	----	----	----	10.2	10.5	10.7	10.7	10.9	11.2	9.2	9.4	9.7
1201 - 1800	12.2	12.2	12.2	11.2	11.2	11.2	11.2	11.2	11.2	9.7	9.7	9.7
1801 - 2400	12.2	12.2	12.2	10.7	10.7	10.7	10.7	10.9	11.2	9.7	9.7	9.7
DAILY VALUE	12.2	----	12.2	10.2	10.7	11.2	10.2	10.8	11.2	9.2	9.6	9.7
0001 - 0600	12.2	12.2	12.2	10.7	10.7	10.7	10.7	10.7	10.7	9.7	9.7	9.7
0601 - 1200	12.2	12.4	12.7	11.2	12.0	12.7	10.2	10.5	10.7	9.2	9.5	9.7
1201 - 1800	12.2	12.5	12.7	12.2	12.5	12.7	10.7	11.0	11.2	9.2	9.5	9.7
1801 - 2400	12.2	12.4	12.7	12.2	12.2	12.2	10.7	11.0	11.2	9.2	9.5	9.7
DAILY VALUE	12.2	12.4	12.7	10.7	11.9	12.7	10.2	10.8	11.2	9.2	9.6	9.7
0001 - 0600	12.2	12.2	12.2	12.2	12.2	12.2	10.7	10.7	10.7	9.2	9.2	9.2
0601 - 1200	11.7	12.0	12.2	12.2	12.2	12.2	10.2	10.5	10.7	9.2	9.2	9.2
1201 - 1800	12.7	12.7	12.7	12.2	12.2	12.2	10.2	10.2	10.2	9.2	9.2	9.2
1801 - 2400	12.2	12.4	12.7	12.2	12.2	12.2	10.7	10.7	10.7	9.2	9.2	9.2
DAILY VALUE	11.7	12.3	12.7	12.2	12.2	12.2	10.2	10.5	10.7	9.2	9.2	9.2
0001 - 0600	11.7	11.9	12.2	11.7	11.7	11.7	10.7	10.7	10.7	8.7	9.0	9.2
0601 - 1200	11.7	11.9	12.2	11.7	11.9	12.2	10.7	10.7	10.7	8.7	8.7	8.7
1201 - 1800	11.7	11.9	12.2	12.2	12.2	12.2	10.7	10.7	10.7	8.7	8.7	8.7
1801 - 2400	11.7	11.7	11.7	11.7	11.7	11.7	10.7	10.7	10.7	8.7	8.7	8.7
DAILY VALUE	11.7	11.8	12.2	11.7	11.9	12.2	10.7	10.7	10.7	8.7	8.8	9.2
0001 - 0600	11.2	11.4	11.7	11.2	11.2	11.2	10.7	10.7	10.7	MONTHLY VALUE		
0601 - 1200	11.2	11.5	11.7	11.2	11.5	11.7	10.7	10.7	10.7			
1201 - 1800	11.7	11.7	11.7	11.2	11.4	11.7	10.7	10.7	10.7			
1801 - 2400	11.2	11.4	11.7	10.7	10.9	11.2	10.2	10.5	10.7			
DAILY VALUE	11.2	11.5	11.7	10.7	11.2	11.7	10.2	10.7	10.7	8.7	10.8	12.7

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TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	8.2	8.5	8.7	7.9	7.9	7.9	---	---	---	---	---	---
0601 - 1200	8.2	8.2	8.2	7.9	7.9	7.9	---	---	---	---	---	---
1201 - 1800	8.4	8.4	8.4	7.9	7.9	7.9	---	---	---	---	---	---
1801 - 2400	8.4	8.7	8.9	7.9	7.9	7.9	---	---	---	---	---	---
DAILY VALUE	8.2	8.5	8.9	7.9	7.9	7.9	---	---	---	---	---	---
0001 - 0600	8.4	8.6	8.9	7.4	7.7	7.9	---	---	---	---	---	---
0601 - 1200	7.9	8.2	8.4	7.4	7.4	7.4	---	---	---	---	---	---
1201 - 1800	8.4	8.4	8.4	7.9	7.9	7.9	---	---	---	---	---	---
1801 - 2400	8.4	8.4	8.4	7.4	7.4	7.4	---	---	---	---	---	---
DAILY VALUE	7.9	8.4	8.9	7.4	7.6	7.9	---	---	---	---	---	---
0001 - 0600	8.4	8.4	8.4	6.9	6.9	6.9	---	---	---	---	---	---
0601 - 1200	8.4	8.4	8.4	6.9	6.9	6.9	---	---	---	---	---	---
1201 - 1800	8.4	8.4	8.4	6.9	6.9	6.9	---	---	---	---	---	---
1801 - 2400	8.4	8.4	8.4	6.4	6.4	6.4	---	---	---	---	---	---
DAILY VALUE	8.4	8.4	8.4	6.4	6.8	6.9	---	---	---	---	---	---
0001 - 0600	7.9	8.1	8.4	5.9	6.2	6.4	---	---	---	---	---	---
0601 - 1200	7.9	7.9	7.9	5.9	6.2	6.4	---	---	---	---	---	---
1201 - 1800	7.9	8.2	8.4	6.4	6.4	6.4	---	---	---	---	---	---
1801 - 2400	7.9	8.1	8.4	6.4	6.4	6.4	---	---	---	---	---	---
DAILY VALUE	7.9	8.1	8.4	5.9	6.3	6.4	---	---	---	---	---	---
0001 - 0600	7.9	7.9	7.9	6.4	6.4	6.4	---	---	---	---	---	---
0601 - 1200	7.9	7.9	7.9	6.4	6.4	6.4	---	---	---	---	---	---
1201 - 1800	7.9	7.9	7.9	6.4	6.4	6.4	---	---	---	---	---	---
1801 - 2400	7.9	7.9	7.9	6.4	6.4	6.4	---	---	---	---	---	---
DAILY VALUE	7.9	7.9	7.9	6.4	6.4	6.4	---	---	---	---	---	---
0001 - 0600	7.9	7.9	7.9	6.9	6.9	6.9	---	---	---	---	---	---
0601 - 1200	7.9	7.9	7.9	6.9	6.9	6.9	---	---	---	---	---	---
1201 - 1800	7.9	8.2	8.4	---	---	---	---	---	---	---	---	---
1801 - 2400	8.4	8.4	8.4	---	---	---	---	---	---	---	---	---
DAILY VALUE	7.9	8.1	8.4	6.9	---	6.9	---	---	---	---	---	---
0001 - 0600	8.4	8.4	8.4	---	---	---	---	---	---	---	---	---
0601 - 1200	8.4	8.6	8.9	---	---	---	---	---	---	---	---	---
1201 - 1800	8.9	8.9	8.9	---	---	---	---	---	---	---	---	---
1801 - 2400	8.9	8.9	8.9	---	---	---	---	---	---	---	---	---
DAILY VALUE	8.4	8.7	8.9	---	---	---	---	---	---	---	---	---
0001 - 0600	8.4	8.7	8.9	---	---	---	---	---	---	MONTHLY VALUE		
0601 - 1200	8.4	8.4	8.4	---	---	---	---	---	---			
1201 - 1800	8.4	8.4	8.4	---	---	---	---	---	---			
1801 - 2400	7.9	8.1	8.4	---	---	---	---	---	---			
DAILY VALUE	7.9	8.4	8.9	---	---	---	---	---	---	5.9	---	8.9

Appendix Table 4-C-18 Thermograph data summary, summer surface water temperature (C),
Slough 21-Area of R&M Stage Recorder, RM 142.0, Geocode
S32N02W36CCC.

- JULY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	---	---	---	---	---	---	---	---	---	---	---	---
0601 - 1200	---	---	---	---	---	---	---	---	---	---	---	---
1201 - 1800	---	---	---	---	---	---	---	---	---	---	---	---
1801 - 2400	---	---	---	---	---	---	---	---	---	---	---	---
DAILY VALUE	---	---	---	---	---	---	---	---	---	---	---	---
0001 - 0600	---	---	---	---	---	---	---	---	---	---	---	---
0601 - 1200	---	---	---	---	---	---	---	---	---	---	---	---
1201 - 1800	---	---	---	---	---	---	---	---	---	---	---	---
1801 - 2400	---	---	---	---	---	---	---	---	---	---	---	---
DAILY VALUE	---	---	---	---	---	---	---	---	---	---	---	---
0001 - 0600	---	---	---	---	---	---	---	---	---	---	---	---
0601 - 1200	---	---	---	---	---	---	---	---	---	---	---	---
1201 - 1800	---	---	---	---	---	---	---	---	---	---	---	---
1801 - 2400	---	---	---	---	---	---	---	---	---	---	---	---
DAILY VALUE	---	---	---	---	---	---	---	---	---	---	---	---
0001 - 0600	---	---	---	---	---	---	---	---	---	---	---	---
0601 - 1200	---	---	---	---	---	---	---	---	---	7.5	---	7.5
1201 - 1800	---	---	---	---	---	---	---	---	---	7.5	8.2	8.5
1801 - 2400	---	---	---	---	---	---	---	---	---	6.0	6.2	6.5
DAILY VALUE	---	---	---	---	---	---	---	---	---	6.0	---	8.5
0001 - 0600	---	---	---	---	---	---	---	---	---	5.5	5.5	5.5
0601 - 1200	---	---	---	---	---	---	---	---	---	5.5	6.0	6.5
1201 - 1800	---	---	---	---	---	---	---	---	---	6.0	6.3	6.5
1801 - 2400	---	---	---	---	---	---	---	---	---	5.5	5.7	6.0
DAILY VALUE	---	---	---	---	---	---	---	---	---	5.5	5.9	6.5
0001 - 0600	---	---	---	---	---	---	---	---	---	5.5	5.5	5.5
0601 - 1200	---	---	---	---	---	---	---	---	---	5.5	5.7	6.0
1201 - 1800	---	---	---	---	---	---	---	---	---	7.5	8.0	8.5
1801 - 2400	---	---	---	---	---	---	---	---	---	8.5	8.5	8.5
DAILY VALUE	---	---	---	---	---	---	---	---	---	5.5	6.9	8.5
0001 - 0600	---	---	---	---	---	---	---	---	---	8.5	8.5	8.5
0601 - 1200	---	---	---	---	---	---	---	---	---	8.5	8.7	9.0
1201 - 1800	---	---	---	---	---	---	---	---	---	9.0	9.0	9.0
1801 - 2400	---	---	---	---	---	---	---	---	---	8.5	8.7	9.0
DAILY VALUE	---	---	---	---	---	---	---	---	---	8.5	8.7	9.0
0001 - 0600	---	---	---	---	---	---	---	---	---	MONTHLY VALUE		
0601 - 1200	---	---	---	---	---	---	---	---	---			
1201 - 1800	---	---	---	---	---	---	---	---	---			
1801 - 2400	---	---	---	---	---	---	---	---	---			
DAILY VALUE	---	---	---	---	---	---	---	---	---	5.5	---	9.0

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Appendix Table 4-C-19 Cont.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	7.5	8.0	8.5	4.5	4.5	4.5	5.0	5.3	5.5	5.0	5.3	5.5
0601 - 1200	7.0	7.5	8.0	4.5	4.5	4.5	5.0	5.3	5.5	5.0	5.5	6.0
1201 - 1800	7.5	8.3	9.0	4.5	4.5	4.5	6.0	6.2	6.5	6.5	7.2	8.0
1801 - 2400	5.0	5.5	6.0	4.5	4.5	4.5	4.5	5.0	5.5	5.5	6.2	7.0
DAILY VALUE	5.0	7.3	9.0	4.5	4.5	4.5	4.5	5.5	6.5	5.0	6.0	8.0
0001 - 0600	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.0	5.2	5.5
0601 - 1200	4.5	5.7	7.0	4.5	4.5	4.5	5.0	5.7	6.0	5.0	5.3	6.0
1201 - 1800	7.0	7.5	8.0	4.5	4.5	4.5	6.0	6.2	6.5	6.5	7.3	8.0
1801 - 2400	4.5	5.0	5.5	4.5	4.5	4.5	4.5	5.0	5.5	5.0	5.7	6.5
DAILY VALUE	4.5	5.7	8.0	4.5	4.5	4.5	4.5	5.3	6.5	5.0	5.9	8.0
0001 - 0600	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.7	5.0
0601 - 1200	4.5	4.5	4.5	4.5	4.5	4.5	5.0	5.5	6.5	4.0	4.2	4.5
1201 - 1800	4.5	4.5	4.5	4.5	4.5	4.5	6.5	7.0	7.5	5.5	7.0	8.0
1801 - 2400	4.5	4.5	4.5	4.5	4.5	4.5	5.0	5.2	5.5	5.0	5.5	6.0
DAILY VALUE	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.5	7.5	4.0	5.3	8.0
0001 - 0600	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.8	5.0	4.5	4.5	4.5
0601 - 1200	4.5	4.5	4.5	4.5	4.5	4.5	5.0	5.5	6.5	4.5	4.8	5.0
1201 - 1800	4.5	4.5	4.5	4.5	4.5	4.5	7.0	7.8	8.5	5.5	6.2	6.5
1801 - 2400	4.5	4.5	4.5	4.5	4.5	4.5	5.0	5.3	5.5	5.0	5.5	6.0
DAILY VALUE	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.9	8.5	4.5	5.2	6.5
0001 - 0600	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.8	5.0	5.0	5.0	5.0
0601 - 1200	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.3	6.5	5.0	5.0	5.0
1201 - 1800	4.5	4.5	4.5	4.5	4.8	5.0	7.0	7.8	8.5	6.0	6.0	6.0
1801 - 2400	4.5	4.5	4.5	4.5	4.8	5.0	5.0	5.2	5.5	5.0	5.2	5.5
DAILY VALUE	4.5	4.5	4.5	4.5	4.7	5.0	4.5	5.8	8.5	5.0	5.3	6.0
0001 - 0600	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.0	5.0	5.0
0601 - 1200	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.2	6.5	5.0	5.0	5.0
1201 - 1800	4.5	4.5	4.5	4.5	4.5	4.5	8.0	8.0	8.0	5.0	5.2	5.5
1801 - 2400	4.5	4.5	4.5	4.5	4.5	4.5	5.5	6.2	7.0	5.0	5.2	5.5
DAILY VALUE	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.8	8.0	5.0	5.1	5.5
0001 - 0600	4.5	4.5	4.5	4.5	4.5	4.5	5.5	5.5	5.5	5.0	5.0	5.0
0601 - 1200	4.5	4.5	4.5	4.5	4.7	5.0	5.0	5.2	5.5	5.0	5.0	5.0
1201 - 1800	4.5	4.5	4.5	5.0	5.3	5.5	6.0	6.5	7.0	5.5	5.8	6.0
1801 - 2400	4.5	4.5	4.5	4.5	4.8	5.0	5.0	5.7	6.5	5.0	5.3	6.0
DAILY VALUE	4.5	4.5	4.5	4.5	4.8	5.5	5.0	5.7	7.0	5.0	5.3	6.0
0001 - 0600	4.5	4.5	4.5	4.5	4.5	4.5	5.0	5.0	5.0	MONTHLY VALUE		
0601 - 1200	4.5	4.5	4.5	4.5	5.3	6.5	5.0	5.2	5.5			
1201 - 1800	4.5	4.5	4.5	6.5	7.2	7.5	6.5	7.0	7.5			
1801 - 2400	4.5	4.5	4.5	5.5	5.5	5.5	5.5	6.2	7.0			
DAILY VALUE	4.5	4.5	4.5	4.5	5.6	7.5	5.0	5.8	7.5			

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Appendix Table 4-C-8 Cont.

- SEPTEMBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	5.0	5.0	5.0	5.0	5.0	5.0	7.5	7.5	7.5	4.0	4.0	4.0
0601 - 1200	5.0	5.2	5.5	5.0	5.0	5.0	7.0	7.2	7.5	3.5	3.8	4.0
1201 - 1800	6.0	6.3	6.5	5.5	5.8	6.0	7.0	7.0	7.0	4.5	4.8	5.0
1801 - 2400	5.0	5.3	6.0	5.0	5.2	5.5	6.5	6.8	7.0	4.5	4.5	4.5
DAILY VALUE	5.0	5.5	6.5	5.0	5.2	6.0	6.5	7.1	7.5	3.5	4.3	5.0
0001 - 0600	4.5	4.5	4.5	4.5	4.8	5.0	6.0	6.3	6.5	4.0	4.0	4.0
0601 - 1200	4.5	5.0	5.5	4.5	4.8	5.0	5.5	5.7	6.0	4.0	4.2	4.5
1201 - 1800	6.0	6.3	6.5	5.5	5.8	6.0	5.5	5.8	6.0	4.5	4.5	4.5
1801 - 2400	5.0	5.5	6.0	4.5	4.8	5.0	5.0	5.2	5.5	4.5	4.5	4.5
DAILY VALUE	4.5	5.3	6.5	4.5	5.1	6.0	5.0	5.7	6.5	4.0	4.3	4.5
0001 - 0600	5.0	5.0	5.0	4.5	4.5	4.5	5.0	5.0	5.0	4.5	4.5	4.5
0601 - 1200	5.0	5.0	5.0	4.5	4.7	5.0	5.0	5.0	5.0	4.5	4.5	4.5
1201 - 1800	5.0	5.7	6.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
1801 - 2400	5.0	5.2	5.5	4.5	4.8	5.0	5.0	5.0	5.0	4.0	4.2	4.5
DAILY VALUE	5.0	5.2	6.0	4.5	4.7	5.0	5.0	5.0	5.0	4.0	4.5	5.0
0001 - 0600	4.5	4.7	5.0	4.5	4.5	4.5	4.5	4.5	4.5	3.5	3.8	4.0
0601 - 1200	4.5	4.8	5.0	4.0	4.0	4.0	4.5	4.7	5.0	3.5	3.7	4.0
1201 - 1800	5.5	6.0	6.5	4.5	5.3	6.0	5.0	5.0	5.0	4.5	4.5	4.5
1801 - 2400	4.5	5.2	6.0	4.5	4.8	5.0	5.0	5.0	5.0	4.0	4.2	4.5
DAILY VALUE	4.5	5.2	6.5	4.0	4.7	6.0	4.5	4.8	5.0	3.5	4.0	4.5
0001 - 0600	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.7	5.0	4.0	4.0	4.0
0601 - 1200	4.5	4.7	5.0	4.5	4.5	4.5	4.5	4.7	5.0	4.0	4.0	4.0
1201 - 1800	5.5	5.8	6.0	5.0	5.2	5.5	5.0	5.0	5.0	4.5	4.8	5.0
1801 - 2400	5.0	5.3	5.5	5.0	5.0	5.0	4.5	4.8	5.0	4.5	4.5	4.5
DAILY VALUE	4.5	5.1	6.0	4.5	4.8	5.5	4.5	4.8	5.0	4.0	4.3	5.0
0001 - 0600	5.0	5.0	5.0	5.0	5.0	5.0	4.5	4.5	4.5	4.0	4.0	4.0
0601 - 1200	5.0	5.0	5.0	5.0	5.0	5.0	4.5	4.7	5.0	4.0	4.2	4.5
1201 - 1800	5.5	5.7	6.0	5.0	5.0	5.0	5.0	5.0	5.0	4.5	4.8	5.0
1801 - 2400	5.0	5.2	5.5	5.0	5.0	5.0	4.0	4.5	5.0	4.0	4.3	4.5
DAILY VALUE	5.0	5.2	6.0	5.0	5.0	5.0	4.0	4.7	5.0	4.0	4.3	5.0
0001 - 0600	5.0	5.0	5.0	5.0	5.0	5.0	4.0	4.0	4.0	-----	-----	-----
0601 - 1200	5.0	5.3	6.0	5.0	5.8	7.0	4.0	4.0	4.0	-----	-----	-----
1201 - 1800	6.0	6.5	7.0	7.0	7.3	7.5	4.0	4.7	5.0	-----	-----	-----
1801 - 2400	5.0	5.2	5.5	7.5	7.5	7.5	4.0	4.2	4.5	-----	-----	-----
DAILY VALUE	5.0	5.5	7.0	5.0	6.4	7.5	4.0	4.2	5.0	-----	-----	-----
0001 - 0600	5.0	5.0	5.0	7.5	7.7	8.0	3.5	3.5	3.5	MONTHLY VALUE		
0601 - 1200	5.0	5.0	5.0	8.0	8.0	8.0	3.5	3.7	4.0			
1201 - 1800	5.5	5.8	6.0	8.0	8.0	8.0	4.0	4.7	5.0			
1801 - 2400	5.0	5.2	5.5	7.5	7.7	8.0	4.0	4.3	4.5			
DAILY VALUE	5.0	5.2	6.0	7.5	7.8	8.0	3.5	4.0	5.0			

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App. Table 4 C 18 Cont.

- OCTOBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	4.0	4.0	4.0	3.0	3.2	3.5	3.0	3.3	3.5	2.0	2.0	2.0
0601 - 1200	4.0	4.0	4.0	3.5	3.7	4.0	3.5	3.7	4.0	2.0	2.3	2.5
1201 - 1800	4.5	4.5	4.5	4.0	4.3	4.5	3.5	3.8	4.0	2.5	2.5	2.5
1801 - 2400	4.0	4.2	4.5	3.5	3.8	4.0	3.0	3.0	3.0	2.0	2.0	2.0
DAILY VALUE	4.0	4.2	4.5	3.0	3.7	4.5	3.0	3.5	4.0	2.0	2.2	2.5
0001 - 0600	4.0	4.0	4.0	3.5	3.5	3.5	3.0	3.0	3.0	2.0	2.0	2.0
0601 - 1200	4.0	4.2	4.5	3.5	3.8	4.0	3.0	3.2	3.5	2.5	2.5	2.5
1201 - 1800	4.5	4.8	5.0	4.0	4.0	4.0	3.5	3.5	3.5	2.0	2.0	2.0
1801 - 2400	4.0	4.2	4.5	3.5	3.5	3.5	3.5	3.5	3.5	2.0	2.0	2.0
DAILY VALUE	4.0	4.3	5.0	3.5	3.7	4.0	3.0	3.3	3.5	2.0	2.1	2.5
0001 - 0600	4.0	4.0	4.0	3.5	3.5	3.5	3.0	3.3	3.5	1.5	1.5	1.5
0601 - 1200	4.0	4.0	4.0	3.5	3.5	3.5	3.0	3.0	3.0	1.5	1.5	1.5
1201 - 1800	-----	-----	-----	3.0	3.7	4.0	3.5	3.7	4.0	1.5	-----	1.5
1801 - 2400	4.0	4.0	4.0	3.5	3.5	3.5	3.0	3.3	3.5	-----	-----	-----
DAILY VALUE	4.0	4.0	4.0	3.0	3.5	4.0	3.0	3.3	4.0	1.5	-----	1.5
0001 - 0600	3.5	3.5	3.5	3.0	3.2	3.5	3.0	3.0	3.0	-----	-----	-----
0601 - 1200	3.5	3.5	3.5	3.5	3.5	3.5	3.0	3.0	3.0	-----	-----	-----
1201 - 1800	4.0	4.2	4.5	4.0	4.0	4.0	3.0	3.3	3.5	-----	-----	-----
1801 - 2400	3.5	3.7	4.0	3.5	3.7	4.0	2.5	2.5	2.5	-----	-----	-----
DAILY VALUE	3.5	3.7	4.5	3.0	3.6	4.0	2.5	3.0	3.5	-----	-----	-----
0001 - 0600	3.5	3.5	3.5	3.5	3.5	3.5	2.5	2.5	2.5	-----	-----	-----
0601 - 1200	3.5	3.5	3.5	3.5	3.5	3.5	2.5	2.5	2.5	-----	-----	-----
1201 - 1800	3.5	3.8	4.0	3.5	3.5	3.5	2.0	2.3	2.5	-----	-----	-----
1801 - 2400	3.5	3.5	3.5	3.5	3.5	3.5	2.0	2.2	2.5	-----	-----	-----
DAILY VALUE	3.5	3.6	4.0	3.5	3.5	3.5	2.0	2.4	2.5	-----	-----	-----
0001 - 0600	3.5	3.5	3.5	3.5	3.5	3.5	2.0	2.0	2.0	-----	-----	-----
0601 - 1200	3.5	3.5	3.5	3.0	3.5	4.0	2.0	2.2	2.5	-----	-----	-----
1201 - 1800	4.0	4.0	4.0	3.5	3.8	4.0	2.5	2.5	2.5	-----	-----	-----
1801 - 2400	3.5	3.5	3.5	3.0	3.0	3.0	2.5	2.5	2.5	-----	-----	-----
DAILY VALUE	3.5	3.6	4.0	3.0	3.5	4.0	2.0	2.3	2.5	-----	-----	-----
0001 - 0600	3.5	3.5	3.5	2.5	2.7	3.0	2.5	2.5	2.5	-----	-----	-----
0601 - 1200	3.5	3.5	3.5	2.5	2.5	2.5	2.0	2.3	2.5	-----	-----	-----
1201 - 1800	3.5	3.8	4.0	3.0	3.0	3.0	2.5	2.5	2.5	-----	-----	-----
1801 - 2400	3.5	3.7	4.0	2.5	2.7	3.0	2.0	2.0	2.0	-----	-----	-----
DAILY VALUE	3.5	3.6	4.0	2.5	2.7	3.0	2.0	2.3	2.5	-----	-----	-----
0001 - 0600	3.5	3.5	3.5	3.0	3.0	3.0	2.0	2.0	2.0	MONTHLY VALUE		
0601 - 1200	3.5	3.7	4.0	3.0	3.0	3.0	2.5	2.5	2.5			
1201 - 1800	4.0	4.3	4.5	3.0	3.2	3.5	2.5	2.5	2.5			
1801 - 2400	3.0	3.5	4.0	3.0	3.3	3.5	2.0	2.2	2.5			
DAILY VALUE	3.0	3.7	4.5	3.0	3.1	3.5	2.0	2.3	2.5			

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Appendix Table 4-C-19

Thermograph data summary, summer surface water temperature (C),
Portage Creek, RM 148.8, TRM .1, Geocode
S32N01W25CAB.

- JUNE 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	2.2	2.4	2.7	----	----	----	4.0	4.2	4.5
0601 - 1200	----	----	----	2.2	2.4	2.7	----	----	----	4.0	5.3	7.0
1201 - 1800	----	----	----	3.2	3.7	4.2	----	----	----	7.5	7.5	7.5
1801 - 2400	----	----	----	3.2	3.7	4.2	----	----	----	5.0	6.0	7.0
DAILY VALUE	----	----	----	2.2	3.0	4.2	----	----	----	4.0	5.7	7.5
0001 - 0600	----	----	----	2.2	2.7	3.2	----	----	----	4.0	4.2	4.5
0601 - 1200	----	----	----	2.2	2.7	3.2	----	----	----	4.5	5.7	7.0
1201 - 1800	----	----	----	3.7	4.2	4.7	----	----	----	7.0	7.7	8.0
1801 - 2400	----	----	----	3.2	4.0	4.7	----	----	----	5.0	6.0	7.0
DAILY VALUE	----	----	----	2.2	3.4	4.7	----	----	----	4.0	5.9	8.0
0001 - 0600	----	----	----	2.2	2.4	2.7	----	----	----	4.0	4.2	4.5
0601 - 1200	----	----	----	2.2	2.7	3.2	----	----	----	4.5	5.5	6.5
1201 - 1800	----	----	----	3.2	3.7	4.2	----	----	----	7.5	7.5	7.5
1801 - 2400	----	----	----	3.7	4.0	4.2	----	----	----	5.5	6.3	7.0
DAILY VALUE	----	----	----	2.2	3.2	4.2	----	----	----	4.0	5.9	7.5
0001 - 0600	----	----	----	2.7	2.9	3.2	----	----	----	5.0	5.0	5.0
0601 - 1200	----	----	----	2.7	2.9	3.2	----	----	----	5.5	6.2	7.0
1201 - 1800	----	----	----	4.2	4.4	4.7	----	----	----	7.5	7.5	7.5
1801 - 2400	----	----	----	2.7	3.2	3.7	----	----	----	5.5	6.0	6.5
DAILY VALUE	----	----	----	2.7	3.3	4.7	----	----	----	5.0	6.2	7.5
0001 - 0600	----	----	----	1.7	2.0	2.2	----	----	----	4.5	4.8	5.0
0601 - 1200	----	----	----	2.2	2.9	3.7	----	----	----	4.5	5.0	5.5
1201 - 1800	----	----	----	4.2	4.5	4.7	----	----	----	6.5	6.8	7.0
1801 - 2400	----	----	----	4.2	4.5	4.7	----	----	----	5.5	6.3	7.0
DAILY VALUE	----	----	----	1.7	3.5	4.7	----	----	----	4.5	5.7	7.0
0001 - 0600	----	----	----	----	----	----	----	----	----	5.0	5.2	5.5
0601 - 1200	----	----	----	----	----	----	----	----	----	5.0	5.5	6.0
1201 - 1800	----	----	----	----	----	----	----	----	----	6.5	6.5	6.5
1801 - 2400	----	----	----	----	----	----	----	----	----	5.5	6.0	6.5
DAILY VALUE	----	----	----	----	----	----	----	----	----	5.0	5.8	6.5
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	4.0	4.2	4.5	MONTHLY VALUE		
0601 - 1200	3.2	----	3.2	----	----	----	4.5	5.7	7.0			
1201 - 1800	4.2	4.5	4.7	----	----	----	8.0	8.3	8.5			
1801 - 2400	3.2	4.0	4.7	----	----	----	5.0	6.2	7.5			
DAILY VALUE	3.2	----	4.7	----	----	----	4.0	6.1	8.5			

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App. Table 4-c 19 Cont.

- JULY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	4.5	4.8	5.0	6.5	7.0	7.5	6.5	7.0	7.5	6.0	6.2	6.5
0601 - 1200	4.5	5.0	5.5	6.5	7.0	7.5	6.5	7.0	7.5	6.0	6.0	6.0
1201 - 1800	6.0	6.3	6.5	8.0	8.3	8.5	8.5	9.0	9.5	6.5	6.5	6.5
1801 - 2400	5.5	6.0	6.5	8.0	8.3	8.5	8.5	9.0	9.5	6.0	6.2	6.5
DAILY VALUE	4.5	5.5	6.5	6.5	7.7	8.5	6.5	8.0	9.5	6.0	6.2	6.5
0001 - 0600	4.5	4.8	5.0	6.5	7.0	7.5	7.0	7.5	8.0	6.0	6.0	6.0
0601 - 1200	-----	-----	-----	6.5	6.7	7.0	7.0	7.0	7.0	6.0	6.0	6.0
1201 - 1800	-----	-----	-----	7.5	7.5	7.5	7.0	7.5	8.0	6.0	6.3	6.5
1801 - 2400	-----	-----	-----	7.5	7.5	7.5	7.5	7.8	8.0	6.5	6.5	6.5
DAILY VALUE	4.5	-----	5.0	6.5	7.2	7.5	7.0	7.5	8.0	6.0	6.2	6.5
0001 - 0600	-----	-----	-----	6.5	6.8	7.0	6.0	6.5	7.0	6.0	6.3	6.5
0601 - 1200	-----	-----	-----	6.5	6.7	7.0	6.0	7.0	8.5	6.0	6.2	6.5
1201 - 1800	-----	-----	-----	8.0	8.2	8.5	9.5	10.3	11.0	7.0	7.5	8.0
1801 - 2400	-----	-----	-----	7.5	8.0	8.5	9.5	10.3	11.0	7.5	7.7	8.0
DAILY VALUE	-----	-----	-----	6.5	7.4	8.5	6.0	8.5	11.0	6.0	6.9	8.0
0001 - 0600	-----	-----	-----	7.0	7.0	7.0	7.0	7.7	8.5	7.0	7.0	7.0
0601 - 1200	-----	-----	-----	6.5	6.7	7.0	7.0	7.8	9.0	7.5	-----	7.5
1201 - 1800	-----	-----	-----	7.0	7.2	7.5	10.5	11.2	11.5	8.5	9.0	9.5
1801 - 2400	-----	-----	-----	7.0	7.2	7.5	10.5	11.2	11.5	8.5	8.8	9.0
DAILY VALUE	-----	-----	-----	6.5	7.0	7.5	7.0	9.5	11.5	7.0	8.2	9.5
0001 - 0600	-----	-----	-----	6.5	6.5	6.5	8.0	8.7	9.5	7.5	7.7	8.0
0601 - 1200	-----	-----	-----	6.5	6.7	7.0	8.0	8.0	8.0	7.5	7.5	7.5
1201 - 1800	-----	-----	-----	8.0	8.7	9.5	8.0	8.3	8.5	7.5	7.8	8.0
1801 - 2400	-----	-----	-----	8.0	8.5	9.0	8.0	8.3	8.5	7.5	7.5	7.5
DAILY VALUE	-----	-----	-----	6.5	7.6	9.5	8.0	8.3	9.5	7.5	7.6	8.0
0001 - 0600	-----	-----	-----	6.5	7.0	7.5	7.5	7.7	8.0	7.0	7.0	7.0
0601 - 1200	-----	-----	-----	6.5	7.2	8.0	7.0	7.3	7.5	7.0	7.0	7.0
1201 - 1800	-----	-----	-----	8.5	9.0	9.5	7.5	7.5	7.5	7.0	7.3	7.5
1801 - 2400	-----	-----	-----	8.0	8.5	9.0	7.0	7.3	7.5	7.5	7.5	7.5
DAILY VALUE	-----	-----	-----	6.5	7.9	9.5	7.0	7.5	8.0	7.0	7.2	7.5
0001 - 0600	-----	-----	-----	7.0	7.2	7.5	7.0	7.0	7.0	7.5	7.5	7.5
0601 - 1200	-----	-----	-----	7.0	7.2	7.5	6.5	6.5	6.5	-----	-----	-----
1201 - 1800	-----	-----	-----	8.5	8.8	9.0	7.0	7.0	7.0	-----	-----	-----
1801 - 2400	-----	-----	-----	8.0	8.3	8.5	6.5	6.7	7.0	-----	-----	-----
DAILY VALUE	-----	-----	-----	7.0	7.9	9.0	6.5	6.8	7.0	7.5	-----	7.5
0001 - 0600	-----	-----	-----	7.0	7.2	7.5	6.5	6.5	6.5	MONTHLY VALUE		
0601 - 1200	-----	-----	-----	6.5	6.8	7.0	6.5	6.5	6.5			
1201 - 1800	9.5	-----	9.5	7.5	8.0	8.5	6.5	6.5	6.5			
1801 - 2400	8.0	8.5	9.0	7.5	8.0	8.5	6.5	6.5	6.5			
DAILY VALUE	8.0	-----	9.5	6.5	7.5	8.5	6.5	6.5	6.5	4.5	7.4	11.5

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Appendix Table 4-C-19 Cont.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	7.5	7.8	8.0	8.0	8.5	9.0	8.5	8.8	9.0
0601 - 1200	----	----	----	7.5	7.5	7.5	7.5	7.7	8.0	8.0	8.2	8.5
1201 - 1800	----	----	----	7.5	7.5	7.5	8.0	8.2	8.5	9.0	9.5	10.0
1801 - 2400	----	----	----	7.5	7.5	7.5	7.5	8.0	8.5	9.0	9.5	10.0
DAILY VALUE	----	----	----	7.5	7.6	8.0	7.5	8.1	9.0	8.0	9.0	10.0
0001 - 0600	----	----	----	7.0	7.2	7.5	6.5	6.8	7.0	8.5	8.7	9.0
0601 - 1200	----	----	----	7.0	7.0	7.0	7.0	7.2	7.5	8.0	8.0	8.0
1201 - 1800	----	----	----	7.5	7.7	8.0	8.0	8.3	8.5	9.0	9.5	10.0
1801 - 2400	----	----	----	7.5	7.7	8.0	8.0	8.3	8.5	9.0	9.5	10.0
DAILY VALUE	----	----	----	7.0	7.4	8.0	6.5	7.7	8.5	8.0	8.9	10.0
0001 - 0600	----	----	----	7.0	7.2	7.5	6.5	7.0	7.5	6.5	7.3	8.0
0601 - 1200	----	----	----	7.0	7.2	7.5	6.5	6.7	7.0	6.0	6.2	6.5
1201 - 1800	----	----	----	8.5	9.0	9.5	8.0	8.8	9.5	8.0	8.7	9.0
1801 - 2400	----	----	----	8.0	8.8	9.5	9.0	9.5	10.0	8.5	8.8	9.0
DAILY VALUE	----	----	----	7.0	8.0	9.5	6.5	8.0	10.0	6.0	7.7	9.0
0001 - 0600	----	----	----	6.0	6.7	7.5	7.5	7.8	8.5	6.5	7.0	7.5
0601 - 1200	8.5	----	8.5	5.5	6.2	7.0	7.0	7.3	8.0	6.5	6.5	6.5
1201 - 1800	9.0	9.8	10.5	8.5	9.0	9.5	9.0	10.0	10.5	7.0	7.5	8.0
1801 - 2400	9.0	9.8	10.5	9.0	9.3	9.5	9.5	9.8	10.0	8.0	8.0	8.0
DAILY VALUE	8.5	----	10.5	5.5	7.8	9.5	7.0	8.7	10.5	6.5	7.2	8.0
0001 - 0600	7.0	7.7	8.5	7.0	7.5	8.0	7.5	8.0	8.5	7.5	7.5	7.5
0601 - 1200	7.0	7.3	8.0	6.5	7.0	8.0	6.5	7.0	7.5	7.0	7.2	7.5
1201 - 1800	9.0	9.3	9.5	9.5	10.0	10.5	9.0	9.5	10.0	7.5	7.8	8.0
1801 - 2400	9.0	9.2	9.5	10.0	10.3	10.5	9.5	9.8	10.0	7.5	7.8	8.0
DAILY VALUE	7.0	8.4	9.5	6.5	8.7	10.5	6.5	8.6	10.0	7.0	7.6	8.0
0001 - 0600	7.0	7.5	8.0	8.5	9.0	9.5	7.0	7.8	8.5	7.0	7.3	7.5
0601 - 1200	7.0	7.3	8.0	8.5	8.5	8.5	6.5	6.8	7.5	7.0	7.0	7.0
1201 - 1800	9.0	9.8	10.5	8.5	8.5	8.5	9.0	9.5	10.0	7.0	7.0	7.0
1801 - 2400	9.0	9.5	10.0	8.5	8.8	9.0	10.0	10.0	10.0	7.0	7.0	7.0
DAILY VALUE	7.0	8.5	10.5	8.5	8.7	9.5	6.5	8.5	10.0	7.0	7.1	7.5
0001 - 0600	7.0	7.5	8.0	8.0	8.2	8.5	9.0	9.2	9.5	6.0	6.3	6.5
0601 - 1200	7.0	7.3	8.0	8.0	8.2	8.5	8.5	8.5	8.5	6.0	6.0	6.0
1201 - 1800	8.5	8.8	9.0	9.0	9.3	9.5	9.0	9.0	9.0	----	----	----
1801 - 2400	8.5	8.7	9.0	8.5	9.0	9.5	9.0	9.3	9.5	----	----	----
DAILY VALUE	7.0	8.1	9.0	8.0	8.7	9.5	8.5	9.0	9.5	6.0	----	6.5
0001 - 0600	7.0	7.5	8.0	7.5	8.0	8.5	8.0	8.3	8.5	-----	-----	-----
0601 - 1200	6.5	7.2	8.0	7.5	7.8	8.5	8.0	8.2	8.5	MONTHLY VALUE		
1201 - 1800	8.5	9.0	9.5	9.5	9.8	10.0	9.0	9.7	10.0	-----	-----	-----
1801 - 2400	8.5	9.0	9.5	9.5	9.7	10.0	9.5	9.8	10.0	5.5	8.2	10.5
DAILY VALUE	6.5	8.2	9.5	7.5	8.8	10.0	8.0	9.0	10.0	-----	-----	-----

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App Table 4-C-20 Thermograph data summary, summer surface water temperature (C),
Tsusena Creek, RM 181.3, Geocode S32N04E36ADB.

- JUNE 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	---	---	---	---	---	---	---	---	---	4.0	4.5	5.0
0601 - 1200	---	---	---	---	---	---	---	---	---	4.0	5.3	7.0
1201 - 1800	---	---	---	---	---	---	---	---	---	8.0	8.5	9.0
1801 - 2400	---	---	---	---	---	---	---	---	---	6.5	7.7	8.5
DAILY VALUE	---	---	---	---	---	---	---	---	---	4.0	6.5	9.0
0001 - 0600	---	---	---	---	---	---	---	---	---	4.5	4.8	5.5
0601 - 1200	---	---	---	---	---	---	---	---	---	4.5	5.3	6.5
1201 - 1800	---	---	---	---	---	---	---	---	---	8.0	8.5	9.0
1801 - 2400	---	---	---	---	---	---	---	---	---	6.5	7.8	9.0
DAILY VALUE	---	---	---	---	---	---	---	---	---	4.5	6.6	9.0
0001 - 0600	---	---	---	---	---	---	---	---	---	4.5	4.8	5.5
0601 - 1200	---	---	---	---	---	---	---	---	---	4.5	5.3	6.5
1201 - 1800	---	---	---	---	---	---	7.0	7.7	8.0	8.0	8.8	9.5
1801 - 2400	---	---	---	---	---	---	6.5	7.3	8.0	7.0	8.3	9.5
DAILY VALUE	---	---	---	---	---	---	6.5	---	8.0	4.5	6.8	9.5
0001 - 0600	---	---	---	---	---	---	4.5	5.2	6.0	5.5	6.0	6.5
0601 - 1200	---	---	---	---	---	---	4.0	4.0	4.0	5.5	6.2	7.0
1201 - 1800	---	---	---	---	---	---	4.0	4.2	4.5	8.0	8.3	8.5
1801 - 2400	---	---	---	---	---	---	4.5	4.5	4.5	6.5	7.3	8.0
DAILY VALUE	---	---	---	---	---	---	4.0	4.5	6.0	5.5	7.0	8.5
0001 - 0600	---	---	---	---	---	---	4.0	4.0	4.0	5.0	5.2	5.5
0601 - 1200	---	---	---	---	---	---	4.0	4.2	4.5	5.0	5.5	6.0
1201 - 1800	---	---	---	---	---	---	5.5	6.5	7.5	6.5	7.3	8.0
1801 - 2400	---	---	---	---	---	---	6.5	7.5	8.0	7.5	7.8	8.0
DAILY VALUE	---	---	---	---	---	---	4.0	5.5	8.0	5.0	6.5	8.0
0001 - 0600	---	---	---	---	---	---	4.5	5.2	6.0	5.5	6.0	6.5
0601 - 1200	---	---	---	---	---	---	4.5	5.2	6.0	5.5	5.7	6.0
1201 - 1800	---	---	---	---	---	---	7.0	7.5	8.0	7.0	7.3	7.5
1801 - 2400	---	---	---	---	---	---	7.0	7.5	8.0	6.5	7.0	7.5
DAILY VALUE	---	---	---	---	---	---	4.5	6.3	8.0	5.5	6.5	7.5
0001 - 0600	---	---	---	---	---	---	4.5	5.2	6.0	---	---	---
0601 - 1200	---	---	---	---	---	---	4.5	5.5	7.0	---	---	---
1201 - 1800	---	---	---	---	---	---	8.5	9.5	10.0	---	---	---
1801 - 2400	---	---	---	---	---	---	6.5	8.2	9.5	---	---	---
DAILY VALUE	---	---	---	---	---	---	4.5	7.1	10.0	---	---	---
0001 - 0600	---	---	---	---	---	---	4.0	4.7	5.5	MONTHLY VALUE		
0601 - 1200	---	---	---	---	---	---	4.0	5.2	6.5			
1201 - 1800	---	---	---	---	---	---	8.5	9.7	10.5	4.0 --- 10.5		
1801 - 2400	---	---	---	---	---	---	6.5	8.0	9.5			
DAILY VALUE	---	---	---	---	---	---	4.0	6.9	10.5			

4-C-67

Appendix Table 4-C-20 Cont.

- JULY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	---	---	---	---	---	---	---	---	---	6.5	6.8	7.0
0601 - 1200	---	---	---	---	---	---	---	---	---	6.5	6.7	7.0
1201 - 1800	---	---	---	---	---	---	---	---	---	7.0	7.2	7.5
1801 - 2400	---	---	---	---	---	---	---	---	---	7.0	7.2	7.5
DAILY VALUE	---	---	---	---	---	---	---	---	---	6.5	7.0	7.5
0001 - 0600	---	---	---	---	---	---	---	---	---	6.5	6.5	6.5
0601 - 1200	---	---	---	---	---	---	---	---	---	6.5	6.8	7.5
1201 - 1800	---	---	---	---	---	---	---	---	---	8.5	8.7	9.0
1801 - 2400	---	---	---	---	---	---	---	---	---	8.5	8.8	9.0
DAILY VALUE	---	---	---	---	---	---	---	---	---	6.5	7.7	9.0
0001 - 0600	---	---	---	---	---	---	---	---	---	7.5	7.7	8.0
0601 - 1200	---	---	---	---	---	---	---	---	---	7.0	7.3	7.5
1201 - 1800	---	---	---	---	---	---	---	---	---	8.0	8.8	9.5
1801 - 2400	---	---	---	---	---	---	---	---	---	9.5	9.7	10.0
DAILY VALUE	---	---	---	---	---	---	---	---	---	7.0	8.4	10.0
0001 - 0600	---	---	---	---	---	---	---	---	---	7.5	8.0	8.5
0601 - 1200	---	---	---	---	---	---	---	---	---	7.5	7.7	8.0
1201 - 1800	---	---	---	---	---	---	---	---	---	9.5	10.2	11.0
1801 - 2400	---	---	---	---	---	---	---	---	---	10.5	10.8	11.0
DAILY VALUE	---	---	---	---	---	---	---	---	---	7.5	9.1	11.0
0001 - 0600	---	---	---	---	---	---	---	---	---	8.0	8.7	9.5
0601 - 1200	---	---	---	---	---	---	---	---	---	7.5	7.7	8.0
1201 - 1800	---	---	---	---	---	---	---	---	---	8.0	8.2	8.5
1801 - 2400	---	---	---	---	---	---	---	---	---	8.0	8.3	8.5
DAILY VALUE	---	---	---	---	---	---	---	---	---	7.5	8.2	9.5
0001 - 0600	---	---	---	---	---	---	---	---	---	7.0	7.3	7.5
0601 - 1200	---	---	---	---	---	---	---	---	---	7.0	7.0	7.0
1201 - 1800	---	---	---	---	---	---	---	---	---	7.5	7.5	7.5
1801 - 2400	---	---	---	---	---	---	---	---	---	7.5	7.5	7.5
DAILY VALUE	---	---	---	---	---	---	---	---	---	7.0	7.3	7.5
0001 - 0600	---	---	---	---	---	---	---	---	---	6.5	6.7	7.0
0601 - 1200	---	---	---	---	---	---	---	---	---	6.5	6.7	7.0
1201 - 1800	---	---	---	---	---	---	---	---	---	8.0	8.5	9.0
1801 - 2400	---	---	---	---	---	---	---	---	---	8.0	8.7	9.0
DAILY VALUE	---	---	---	---	---	---	---	---	---	6.5	7.6	9.0
0001 - 0600	---	---	---	---	---	---	---	---	---	MONTHLY VALUE		
0601 - 1200	---	---	---	---	---	---	---	---	---			
1201 - 1800	---	---	---	---	---	---	---	---	---			
1801 - 2400	---	---	---	---	---	---	---	---	---			
DAILY VALUE	---	---	---	---	---	---	---	---	---	6.5	---	11.0

Appendix Table 4-C 20 Cont.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	6.0	6.7	7.5	7.0	7.5	8.0	8.0	8.3	9.0	8.5	8.8	9.0
0601 - 1200	6.0	6.3	7.0	7.0	7.2	7.5	7.5	7.5	7.5	8.5	8.5	8.5
1201 - 1800	8.5	9.3	10.0	8.0	8.3	8.5	8.0	8.2	8.5	9.0	9.8	10.5
1801 - 2400	8.5	9.3	10.0	8.0	8.5	9.0	8.0	8.5	9.0	9.5	10.2	10.5
DAILY VALUE	6.0	7.9	10.0	7.0	7.9	9.0	7.5	8.1	9.0	8.5	9.3	10.5
0001 - 0600	6.0	6.5	7.0	7.0	7.5	8.0	6.5	7.0	7.5	7.5	8.0	8.5
0601 - 1200	6.0	6.5	7.5	7.0	7.2	7.5	6.5	6.8	7.5	7.5	7.7	8.0
1201 - 1800	8.5	9.3	10.0	7.5	7.8	8.0	9.0	9.8	10.5	9.5	9.7	10.0
1801 - 2400	8.5	9.3	10.0	7.5	7.8	8.0	8.5	9.2	9.5	9.0	9.5	10.0
DAILY VALUE	6.0	7.9	10.0	7.0	7.6	8.0	6.5	8.2	10.5	7.5	8.7	10.0
0001 - 0600	6.0	6.7	7.5	7.0	7.2	7.5	6.0	7.0	8.0	6.5	7.2	8.0
0601 - 1200	6.0	6.7	7.5	6.5	6.7	7.0	6.0	6.3	7.0	6.0	6.2	6.5
1201 - 1800	9.0	9.8	10.5	8.0	8.7	9.0	9.0	9.7	10.0	8.0	9.0	9.5
1801 - 2400	9.0	9.7	10.0	8.0	8.7	9.0	9.5	9.8	10.0	9.0	9.5	10.0
DAILY VALUE	6.0	8.2	10.5	6.5	7.8	9.0	6.0	8.2	10.0	6.0	8.0	10.0
0001 - 0600	6.5	7.2	8.0	6.0	6.7	7.5	7.5	8.0	8.5	6.5	7.2	8.0
0601 - 1200	6.0	6.8	8.0	5.5	6.2	7.0	7.5	7.8	8.5	6.0	6.3	7.0
1201 - 1800	9.5	10.5	11.0	9.0	9.8	10.5	10.0	10.7	11.0	8.0	8.8	9.5
1801 - 2400	9.5	10.2	10.5	10.0	10.5	11.0	10.5	10.8	11.0	8.5	8.8	9.0
DAILY VALUE	6.0	8.7	11.0	5.5	8.3	11.0	7.5	9.3	11.0	6.0	7.8	9.5
0001 - 0600	7.0	7.8	8.5	7.0	7.8	8.5	8.0	8.7	9.5	7.0	7.5	8.0
0601 - 1200	7.0	7.3	8.0	7.0	7.3	8.0	7.5	7.7	8.0	7.0	7.0	7.0
1201 - 1800	9.5	10.3	11.0	10.0	11.0	12.0	9.0	9.8	10.5	7.5	7.8	8.0
1801 - 2400	9.5	10.0	10.5	11.0	11.5	12.0	9.5	10.0	10.5	8.0	8.0	8.0
DAILY VALUE	7.0	8.9	11.0	7.0	9.4	12.0	7.5	9.0	10.5	7.0	7.6	8.0
0001 - 0600	7.0	7.7	8.5	9.5	10.0	10.5	7.0	7.7	8.5	7.5	7.7	8.0
0601 - 1200	6.5	7.2	8.0	9.0	9.0	9.0	6.5	6.8	7.5	7.0	7.0	7.0
1201 - 1800	9.5	10.3	11.0	9.0	9.3	9.5	9.0	9.8	10.5	7.5	7.5	7.5
1801 - 2400	10.0	10.5	11.0	9.5	9.5	9.5	10.5	10.8	11.0	7.5	7.5	7.5
DAILY VALUE	6.5	8.9	11.0	9.0	9.5	10.5	6.5	8.8	11.0	7.0	7.4	8.0
0001 - 0600	7.0	7.8	8.5	8.0	8.5	9.0	9.5	9.7	10.0	6.5	6.7	7.0
0601 - 1200	7.0	7.2	7.5	7.5	8.0	8.5	9.0	9.0	9.0	6.0	6.3	6.5
1201 - 1800	9.0	9.3	9.5	9.0	9.2	9.5	9.5	9.5	9.5	7.0	7.3	7.5
1801 - 2400	8.5	9.0	9.5	8.5	9.0	9.5	9.5	9.7	10.0	7.5	7.5	7.5
DAILY VALUE	7.0	8.3	9.5	7.5	8.7	9.5	9.0	9.5	10.0	6.0	7.0	7.5
0001 - 0600	7.5	7.8	8.0	7.0	7.5	8.0	8.5	8.7	9.0	MONTHLY VALUE		
0601 - 1200	7.0	7.7	8.5	6.5	7.2	8.5	8.0	8.5	9.0			
1201 - 1800	9.0	9.5	10.0	9.0	9.8	10.5	9.5	9.7	10.0			
1801 - 2400	8.5	9.0	9.5	9.5	10.0	10.5	9.5	9.8	10.0			
DAILY VALUE	7.0	8.5	10.0	6.5	8.6	10.5	8.0	9.2	10.0	5.5	8.4	12.0

Appendix Table 4-C-20 Cont.

- SEPTEMBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	6.5	6.7	7.0	6.0	6.2	6.5	4.5	4.7	5.0	3.5	3.7	4.0
0601 - 1200	6.5	6.5	6.5	6.0	6.0	6.0	4.5	4.5	4.5	3.0	3.3	3.5
1201 - 1800	7.5	8.0	8.5	6.5	6.8	7.0	5.0	5.3	5.5	4.5	5.0	5.5
1801 - 2400	7.0	7.8	8.5	6.5	6.8	7.0	5.0	5.3	5.5	5.0	5.3	5.5
DAILY VALUE	6.5	7.2	8.5	6.0	6.5	7.0	4.5	5.0	5.5	3.0	4.3	5.5
0001 - 0600	6.0	6.2	6.5	6.0	6.3	6.5	4.5	4.7	5.0	4.5	4.7	5.0
0601 - 1200	6.0	6.2	6.5	6.0	6.0	6.0	4.5	4.7	5.0	4.0	4.3	4.5
1201 - 1800	7.5	8.2	8.5	6.0	6.3	6.5	5.5	5.8	6.0	4.5	4.8	5.0
1801 - 2400	7.5	7.8	8.0	6.0	6.3	6.5	6.0	6.0	6.0	4.5	4.5	4.5
DAILY VALUE	6.0	7.1	8.5	6.0	6.2	6.5	4.5	5.3	6.0	4.0	4.6	5.0
0001 - 0600	6.5	6.7	7.0	5.5	5.7	6.0	5.5	5.5	5.5	4.0	4.3	4.5
0601 - 1200	6.5	6.5	6.5	5.0	5.2	5.5	5.5	5.5	5.5	4.0	4.3	4.5
1201 - 1800	6.5	6.7	7.0	5.5	5.5	5.5	5.5	5.7	6.0	5.0	5.2	5.5
1801 - 2400	6.5	6.7	7.0	5.5	5.5	5.5	5.5	5.8	6.0	4.0	4.7	5.5
DAILY VALUE	6.5	6.6	7.0	5.0	5.5	6.0	5.5	5.6	6.0	4.0	4.6	5.5
0001 - 0600	5.5	5.7	6.0	5.0	5.2	5.5	5.0	5.2	5.5	2.5	3.0	3.5
0601 - 1200	5.5	5.7	6.0	4.5	4.5	4.5	5.0	5.2	5.5	2.5	2.7	3.0
1201 - 1800	7.0	7.3	7.5	5.5	6.2	6.5	5.5	5.8	6.0	3.5	3.5	3.5
1801 - 2400	6.5	7.2	7.5	6.5	6.5	6.5	5.5	5.5	5.5	3.5	3.5	3.5
DAILY VALUE	5.5	6.5	7.5	4.5	5.6	6.5	5.0	5.4	6.0	2.5	3.2	3.5
0001 - 0600	5.5	5.8	6.0	5.0	5.5	6.0	5.0	5.2	5.5	3.5	3.5	3.5
0601 - 1200	5.5	5.7	6.0	4.5	4.8	5.0	5.0	5.0	5.0	3.5	3.5	3.5
1201 - 1800	6.5	6.5	6.5	5.5	5.8	6.0	5.5	5.5	5.5	4.0	4.2	4.5
1801 - 2400	6.5	6.7	7.0	6.0	6.0	6.0	5.5	5.5	5.5	4.5	4.5	4.5
DAILY VALUE	5.5	6.2	7.0	4.5	5.5	6.0	5.0	5.3	5.5	3.5	3.9	4.5
0001 - 0600	6.0	6.3	6.5	5.5	5.7	6.0	4.5	4.8	5.0	3.5	3.7	4.0
0601 - 1200	6.0	6.2	6.5	5.5	5.5	5.5	4.5	4.5	4.5	3.5	3.5	3.5
1201 - 1800	7.0	7.5	8.0	5.5	5.5	5.5	5.5	5.5	5.5	4.0	4.3	4.5
1801 - 2400	7.5	7.7	8.0	5.5	5.5	5.5	4.5	5.2	5.5	4.0	4.3	4.5
DAILY VALUE	6.0	6.9	8.0	5.5	5.5	6.0	4.5	5.0	5.5	3.5	4.0	4.5
0001 - 0600	6.5	6.8	7.0	5.5	5.5	5.5	3.0	3.5	4.0	----	----	----
0601 - 1200	6.5	6.5	6.5	5.5	5.7	6.0	2.5	2.8	3.5	----	----	----
1201 - 1800	7.0	7.5	8.0	7.0	7.3	7.5	4.0	4.5	5.0	----	----	----
1801 - 2400	7.0	7.5	8.0	6.5	7.2	7.5	3.5	4.2	4.5	----	----	----
DAILY VALUE	6.5	7.1	8.0	5.5	6.4	7.5	2.5	3.7	5.0	----	----	----
0001 - 0600	6.5	6.7	7.0	5.5	6.0	6.5	2.0	2.5	3.0	MONTHLY VALUE		
0601 - 1200	6.0	6.0	6.0	5.5	5.5	5.5	2.0	2.2	2.5			
1201 - 1800	6.5	6.5	6.5	5.5	5.7	6.0	3.5	4.2	4.5			
1801 - 2400	6.5	6.5	6.5	5.0	5.2	5.5	4.5	4.5	4.5	2.0	5.5	8.5
DAILY VALUE	6.0	6.4	7.0	5.0	5.6	6.5	2.0	3.3	4.5			

Table 4-c 20 Cont.

- OCTOBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	3.0	3.3	3.5	.5	.7	1.0	---	---	---	---	---	---
0601 - 1200	3.5	3.5	3.5	.5	.7	1.0	---	---	---	---	---	---
1201 - 1800	3.5	3.8	4.0	1.0	1.0	1.0	---	---	---	---	---	---
1801 - 2400	3.5	3.7	4.0	1.5	1.5	1.5	---	---	---	---	---	---
DAILY VALUE	3.0	3.6	4.0	.5	1.0	1.5	---	---	---	---	---	---
0001 - 0600	3.0	3.0	3.0	1.0	1.0	1.0	---	---	---	---	---	---
0601 - 1200	3.0	3.0	3.0	1.0	1.0	1.0	---	---	---	---	---	---
1201 - 1800	3.0	3.3	3.5	1.0	1.0	1.0	---	---	---	---	---	---
1801 - 2400	3.0	3.3	3.5	.5	.8	1.0	---	---	---	---	---	---
DAILY VALUE	3.0	3.2	3.5	.5	1.0	1.0	---	---	---	---	---	---
0001 - 0600	2.5	2.8	3.0	0.0	.2	.5	---	---	---	---	---	---
0601 - 1200	2.0	2.2	2.5	0.0	0.0	0.0	---	---	---	---	---	---
1201 - 1800	2.5	2.8	3.0	0.0	.3	.5	---	---	---	---	---	---
1801 - 2400	3.0	3.0	3.0	.5	.5	.5	---	---	---	---	---	---
DAILY VALUE	2.0	2.7	3.0	0.0	.2	.5	---	---	---	---	---	---
0001 - 0600	2.0	2.2	2.5	.5	.5	.5	---	---	---	---	---	---
0601 - 1200	1.5	1.5	1.5	.5	.5	.5	---	---	---	---	---	---
1201 - 1800	2.0	2.0	2.0	1.0	1.2	1.5	---	---	---	---	---	---
1801 - 2400	2.0	2.0	2.0	1.5	1.5	1.5	---	---	---	---	---	---
DAILY VALUE	1.5	1.9	2.5	.5	.9	1.5	---	---	---	---	---	---
0001 - 0600	1.5	1.8	2.0	1.0	1.2	1.5	---	---	---	---	---	---
0601 - 1200	1.5	1.5	1.5	0.0	.2	.5	---	---	---	---	---	---
1201 - 1800	1.5	1.8	2.0	.5	.5	.5	---	---	---	---	---	---
1801 - 2400	1.0	1.5	2.0	0.0	0.0	0.0	---	---	---	---	---	---
DAILY VALUE	1.0	1.7	2.0	0.0	.5	1.5	---	---	---	---	---	---
0001 - 0600	0.0	.3	.5	0.0	0.0	0.0	---	---	---	---	---	---
0601 - 1200	0.0	0.0	0.0	0.0	0.0	0.0	---	---	---	---	---	---
1201 - 1800	.5	.7	1.0	0.0	0.0	0.0	---	---	---	---	---	---
1801 - 2400	.5	.5	.5	0.0	0.0	0.0	---	---	---	---	---	---
DAILY VALUE	0.0	.4	1.0	0.0	0.0	0.0	---	---	---	---	---	---
0001 - 0600	.5	.5	.5	0.0	0.0	0.0	---	---	---	---	---	---
0601 - 1200	.5	.5	.5	0.0	0.0	0.0	---	---	---	---	---	---
1201 - 1800	.5	.5	.5	0.0	0.0	0.0	---	---	---	---	---	---
1801 - 2400	.5	.5	.5	0.0	0.0	0.0	---	---	---	---	---	---
DAILY VALUE	.5	.5	.5	0.0	0.0	0.0	---	---	---	---	---	---
0001 - 0600	.5	.5	.5	0.0	0.0	0.0	---	---	---	MONTHLY VALUE		
0601 - 1200	.5	.7	1.0	0.0	0.0	0.0	---	---	---			
1201 - 1800	1.0	1.2	1.5	---	---	---	---	---	---			
1801 - 2400	1.0	1.0	1.0	---	---	---	---	---	---	0.0 --- 4.0		
DAILY VALUE	.5	.8	1.5	0.0	---	0.0	---	---	---			

4-c-71

Appendix Table 4-c-21 Thermograph data summary, summer surface water temperature (C),
Watana Creek, RM 194.1, Geocode S32N06E25CCA.

- JUNE 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	---	---	---	---	---	---	---	---	---	6.5	7.5	8.5
0601 - 1200	---	---	---	---	---	---	---	---	---	6.5	7.8	9.5
1201 - 1800	---	---	---	---	---	---	---	---	---	11.0	11.3	11.5
1801 - 2400	---	---	---	---	---	---	---	---	---	10.0	10.8	11.5
DAILY VALUE	---	---	---	---	---	---	---	---	---	6.5	9.4	11.5
0001 - 0600	---	---	---	---	---	---	---	---	---	7.0	7.7	8.5
0601 - 1200	---	---	---	---	---	---	---	---	---	7.0	8.0	9.0
1201 - 1800	---	---	---	---	---	---	---	---	---	11.0	11.7	12.0
1801 - 2400	---	---	---	---	---	---	---	---	---	10.5	11.3	12.0
DAILY VALUE	---	---	---	---	---	---	---	---	---	7.0	9.7	12.0
0001 - 0600	---	---	---	---	---	---	---	---	---	7.0	8.0	9.0
0601 - 1200	---	---	---	---	---	---	---	---	---	7.0	8.2	9.5
1201 - 1800	---	---	---	---	---	---	---	---	---	11.0	12.2	13.0
1801 - 2400	---	---	---	---	---	---	---	---	---	11.0	12.0	13.0
DAILY VALUE	---	---	---	---	---	---	---	---	---	7.0	10.1	13.0
0001 - 0600	---	---	---	---	---	---	---	---	---	8.5	9.2	10.0
0601 - 1200	---	---	---	---	---	---	---	---	---	8.5	9.2	10.0
1201 - 1800	---	---	---	---	---	---	---	---	---	11.0	11.0	11.0
1801 - 2400	---	---	---	---	---	---	6.0	6.5	7.0	9.0	9.7	10.5
DAILY VALUE	---	---	---	---	---	---	6.0	---	7.0	8.5	9.7	11.0
0001 - 0600	---	---	---	---	---	---	5.0	5.2	5.5	7.5	7.8	8.5
0601 - 1200	---	---	---	---	---	---	5.0	5.3	6.0	7.5	7.7	8.0
1201 - 1800	---	---	---	---	---	---	6.5	7.0	7.5	8.5	9.3	10.5
1801 - 2400	---	---	---	---	---	---	7.0	7.3	7.5	9.5	10.0	10.5
DAILY VALUE	---	---	---	---	---	---	5.0	6.2	7.5	7.5	8.7	10.5
0001 - 0600	---	---	---	---	---	---	5.5	5.7	6.0	7.5	8.3	9.0
0601 - 1200	---	---	---	---	---	---	5.5	6.0	6.5	7.5	7.8	8.0
1201 - 1800	---	---	---	---	---	---	8.0	8.5	9.0	9.0	9.3	9.5
1801 - 2400	---	---	---	---	---	---	8.0	8.3	8.5	9.0	9.2	9.5
DAILY VALUE	---	---	---	---	---	---	5.5	7.1	9.0	7.5	8.7	9.5
0001 - 0600	---	---	---	---	---	---	5.5	6.3	7.0	---	---	---
0601 - 1200	---	---	---	---	---	---	6.0	6.8	8.0	---	---	---
1201 - 1800	---	---	---	---	---	---	10.0	11.2	12.0	---	---	---
1801 - 2400	---	---	---	---	---	---	9.5	10.8	12.0	---	---	---
DAILY VALUE	---	---	---	---	---	---	5.5	8.8	12.0	---	---	---
0001 - 0600	---	---	---	---	---	---	6.0	7.0	8.0	MONTHLY VALUE		
0601 - 1200	---	---	---	---	---	---	6.0	7.2	8.5			
1201 - 1800	---	---	---	---	---	---	11.0	12.2	13.0			
1801 - 2400	---	---	---	---	---	---	10.0	11.3	12.5	5.0 --- 13.0		
DAILY VALUE	---	---	---	---	---	---	6.0	9.4	13.0			

4-c-72

Table 4 (2) Cont.

- JULY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	7.5	8.0	8.5	9.5	10.2	11.0	8.0	8.2	8.5	8.0	8.0	8.0
0601 - 1200	7.0	7.2	7.5	9.5	10.2	11.0	8.0	-----	8.0	8.0	8.0	8.0
1201 - 1800	8.0	8.3	8.5	11.5	11.5	11.5	12.0	-----	12.0	8.0	8.5	9.0
1801 - 2400	8.0	8.3	8.5	10.0	10.8	11.5	10.0	10.5	11.0	8.5	8.7	9.0
DAILY VALUE	7.0	8.0	8.5	9.5	10.7	11.5	8.0	-----	12.0	8.0	8.3	9.0
0001 - 0600	6.5	7.0	7.5	9.0	9.2	9.5	8.5	8.7	9.0	7.0	7.3	7.5
0601 - 1200	6.5	7.5	8.5	9.0	9.3	10.0	8.0	8.3	8.5	7.0	7.7	8.5
1201 - 1800	10.0	10.7	11.5	11.0	11.3	11.5	9.0	9.5	10.0	10.0	10.8	11.5
1801 - 2400	9.0	10.0	11.0	10.0	10.5	11.0	9.0	9.7	10.5	10.0	10.8	11.5
DAILY VALUE	6.5	8.8	11.5	9.0	10.1	11.5	8.0	9.0	10.5	7.0	9.2	11.5
0001 - 0600	6.0	6.8	8.0	8.5	8.8	9.0	6.5	7.2	8.0	8.5	9.0	9.5
0601 - 1200	6.0	7.0	8.5	8.5	8.8	9.5	6.5	8.2	10.0	8.5	8.7	9.0
1201 - 1800	11.0	12.2	13.0	10.5	10.8	11.0	12.0	13.2	14.0	10.0	10.8	11.5
1801 - 2400	10.5	11.5	12.5	10.0	10.5	11.0	11.0	12.3	13.5	10.0	10.8	11.5
DAILY VALUE	6.0	9.4	13.0	8.5	9.7	11.0	6.5	10.2	14.0	8.5	9.8	11.5
0001 - 0600	7.0	8.0	9.0	8.5	9.0	9.5	7.5	8.7	10.0	8.0	8.5	9.0
0601 - 1200	7.0	8.0	9.0	8.5	8.7	9.0	7.5	8.8	10.5	8.0	8.7	9.5
1201 - 1800	10.5	11.2	11.5	9.5	10.0	10.5	12.5	13.3	14.0	10.5	11.5	12.0
1801 - 2400	10.0	10.8	11.5	9.5	10.0	10.5	12.5	13.3	14.0	11.0	11.5	12.0
DAILY VALUE	7.0	9.5	11.5	8.5	9.4	10.5	7.5	11.0	14.0	8.0	10.0	12.0
0001 - 0600	7.5	8.2	9.0	8.0	8.5	9.0	9.0	10.0	11.0	9.0	9.5	10.0
0601 - 1200	7.5	8.5	9.5	8.0	8.7	9.5	8.5	9.0	9.5	9.0	9.0	9.0
1201 - 1800	11.0	11.3	11.5	11.0	11.3	11.5	10.0	10.3	10.5	9.1	9.1	9.1
1801 - 2400	10.0	10.8	11.5	10.5	11.0	11.5	10.0	10.3	10.5	8.6	8.9	9.1
DAILY VALUE	7.5	9.7	11.5	8.0	9.9	11.5	8.5	9.9	11.0	8.6	9.1	10.0
0001 - 0600	7.5	8.2	9.0	8.5	8.8	9.5	9.0	9.2	9.5	7.1	7.6	8.1
0601 - 1200	7.5	8.3	9.5	8.5	8.7	9.0	8.5	8.7	9.0	7.1	7.4	7.6
1201 - 1800	11.5	12.2	12.5	10.0	10.7	11.0	10.0	10.0	10.0	7.6	7.9	8.1
1801 - 2400	10.5	11.5	12.5	10.0	10.5	11.0	9.0	9.2	9.5	7.6	7.8	8.1
DAILY VALUE	7.5	10.0	12.5	8.5	9.7	11.0	8.5	9.2	10.0	7.1	7.7	8.1
0001 - 0600	7.0	8.0	9.0	8.0	8.5	9.0	8.0	8.2	8.5	6.6	6.9	7.1
0601 - 1200	7.0	8.5	10.5	8.0	8.7	9.5	8.0	8.0	8.0	6.6	6.9	7.1
1201 - 1800	13.0	14.5	15.5	10.5	10.5	10.5	8.5	8.5	8.5	8.1	8.6	9.1
1801 - 2400	13.0	14.0	15.0	9.5	9.8	10.0	8.5	8.5	8.5	7.6	8.4	9.1
DAILY VALUE	7.0	11.2	15.5	8.0	9.4	10.5	8.0	8.3	8.5	6.6	7.7	9.1
0001 - 0600	9.5	10.3	11.5	8.0	8.5	9.0	8.0	8.0	8.0	-----		
0601 - 1200	9.5	10.2	11.0	8.0	8.2	8.5	8.0	8.2	8.5	MONTHLY VALUE		
1201 - 1800	12.5	12.8	13.0	9.0	9.7	10.0	8.5	8.7	9.0	-----		
1801 - 2400	11.5	12.2	13.0	9.0	9.5	10.0	8.0	8.3	8.5	6.0	9.5	15.5
DAILY VALUE	9.5	11.4	13.0	8.0	9.0	10.0	8.0	8.3	9.0	-----		

Appendix Table 4-C-21 Cont.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	6.1	6.6	7.1	6.6	6.9	7.1	---	---	---	---	---	---
0601 - 1200	6.1	6.8	7.6	6.6	6.8	7.1	---	---	---	---	---	---
1201 - 1800	8.6	9.4	10.1	8.1	8.4	8.6	---	---	---	---	---	---
1801 - 2400	8.1	8.8	9.6	7.6	8.1	8.6	---	---	---	---	---	---
DAILY VALUE	6.1	7.9	10.1	6.6	7.6	8.6	---	---	---	---	---	---
0001 - 0600	6.1	6.6	7.1	6.6	6.8	7.1	---	---	---	---	---	---
0601 - 1200	6.1	6.9	8.1	6.6	6.9	7.6	---	---	---	---	---	---
1201 - 1800	8.6	9.1	9.6	7.6	7.9	8.1	---	---	---	---	---	---
1801 - 2400	8.1	8.9	9.6	7.1	7.6	8.1	---	---	---	---	---	---
DAILY VALUE	6.1	7.9	9.6	6.6	7.3	8.1	---	---	---	---	---	---
0001 - 0600	5.6	6.3	7.1	6.1	6.6	7.1	---	---	---	---	---	---
0601 - 1200	5.6	6.8	8.1	6.1	6.6	7.1	---	---	---	---	---	---
1201 - 1800	9.6	10.4	11.1	8.6	8.9	9.1	---	---	---	---	---	---
1801 - 2400	8.6	9.6	10.6	7.6	8.4	9.1	---	---	---	---	---	---
DAILY VALUE	5.6	8.3	11.1	6.1	7.6	9.1	---	---	---	---	---	---
0001 - 0600	6.1	6.8	7.6	5.1	5.8	6.6	---	---	---	---	---	---
0601 - 1200	5.6	6.8	8.1	4.6	5.8	7.1	---	---	---	---	---	---
1201 - 1800	10.1	10.8	11.1	9.1	10.1	10.6	---	---	---	---	---	---
1801 - 2400	9.1	9.8	10.6	8.6	9.4	10.6	---	---	---	---	---	---
DAILY VALUE	5.6	8.5	11.1	4.6	7.8	10.6	---	---	---	---	---	---
0001 - 0600	6.6	7.3	8.1	6.1	6.8	7.6	---	---	---	---	---	---
0601 - 1200	6.6	7.4	8.6	6.1	6.9	8.1	---	---	---	---	---	---
1201 - 1800	9.1	10.1	10.6	10.1	11.1	11.6	---	---	---	---	---	---
1801 - 2400	8.6	9.3	10.1	10.6	11.1	11.6	---	---	---	---	---	---
DAILY VALUE	6.6	8.5	10.6	6.1	9.0	11.6	---	---	---	---	---	---
0001 - 0600	6.1	6.9	7.6	8.6	9.1	9.6	---	---	---	---	---	---
0601 - 1200	6.1	7.3	8.6	8.6	8.6	8.6	---	---	---	---	---	---
1201 - 1800	9.6	9.9	10.1	8.6	9.1	9.6	---	---	---	---	---	---
1801 - 2400	8.6	9.4	10.1	8.6	9.1	9.6	---	---	---	---	---	---
DAILY VALUE	6.1	8.4	10.1	8.6	9.0	9.6	---	---	---	---	---	---
0001 - 0600	6.6	7.1	7.6	7.1	7.6	8.1	---	---	---	---	---	---
0601 - 1200	6.1	6.9	8.1	7.1	7.3	7.6	---	---	---	---	---	---
1201 - 1800	8.6	8.9	9.1	8.1	8.1	8.1	---	---	---	---	---	---
1801 - 2400	8.1	8.6	9.1	---	---	---	---	---	---	---	---	---
DAILY VALUE	6.1	7.9	9.1	7.1	---	8.1	---	---	---	---	---	---
0001 - 0600	6.6	7.1	7.6	---	---	---	---	---	---	MONTHLY VALUE		
0601 - 1200	6.6	7.1	7.6	---	---	---	---	---	---			
1201 - 1800	8.6	8.6	8.6	---	---	---	---	---	---			
1801 - 2400	7.6	8.1	8.6	---	---	---	---	---	---			
DAILY VALUE	6.6	7.7	8.6	---	---	---	---	---	---	4.6 --- 11.6		

Appendix Table 4-C-21 Cont.

- SEPTEMBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	---	---	---	6.0	6.2	6.5	5.0	5.2	5.5	---	---	---
0601 - 1200	---	---	---	6.0	6.2	6.5	5.0	5.2	5.5	---	---	---
1201 - 1800	---	---	---	7.0	7.0	7.0	5.5	5.8	6.0	---	---	---
1801 - 2400	---	---	---	6.5	6.5	6.5	5.0	5.3	5.5	---	---	---
DAILY VALUE	---	---	---	6.0	6.5	7.0	5.0	5.4	6.0	---	---	---
0001 - 0600	---	---	---	5.5	5.8	6.0	4.5	4.7	5.0	---	---	---
0601 - 1200	---	---	---	5.5	5.7	6.0	4.5	4.8	5.5	---	---	---
1201 - 1800	---	---	---	6.5	6.5	6.5	5.5	5.8	6.0	---	---	---
1801 - 2400	---	---	---	5.5	6.0	6.5	6.0	6.0	6.0	---	---	---
DAILY VALUE	---	---	---	5.5	6.0	6.5	4.5	5.3	6.0	---	---	---
0001 - 0600	---	---	---	4.5	4.7	5.0	5.5	5.5	5.5	---	---	---
0601 - 1200	---	---	---	4.0	4.5	5.0	5.5	---	5.5	5.5	---	5.5
1201 - 1800	---	---	---	5.0	5.3	5.5	---	---	---	5.0	5.0	5.0
1801 - 2400	---	---	---	4.0	4.3	4.5	---	---	---	3.5	4.3	5.0
DAILY VALUE	---	---	---	4.0	4.7	5.5	5.5	---	5.5	3.5	---	5.5
0001 - 0600	---	---	---	4.0	4.0	4.0	---	---	---	2.0	2.5	3.0
0601 - 1200	---	---	---	4.0	4.3	5.0	---	---	---	2.0	2.2	2.5
1201 - 1800	---	---	---	5.5	5.8	6.0	---	---	---	3.0	3.0	3.0
1801 - 2400	---	---	---	5.5	5.7	6.0	---	---	---	3.0	3.0	3.0
DAILY VALUE	---	---	---	4.0	5.0	6.0	---	---	---	2.0	2.7	3.0
0001 - 0600	---	---	---	4.5	4.8	5.0	---	---	---	3.0	3.0	3.0
0601 - 1200	---	---	---	4.5	4.5	4.5	---	---	---	2.5	2.7	3.0
1201 - 1800	---	---	---	5.0	5.3	5.5	---	---	---	3.5	3.5	3.5
1801 - 2400	---	---	---	5.5	5.7	6.0	---	---	---	3.5	3.5	3.5
DAILY VALUE	---	---	---	4.5	5.1	6.0	---	---	---	2.5	3.2	3.5
0001 - 0600	---	---	---	5.0	5.3	5.5	---	---	---	3.0	3.2	3.5
0601 - 1200	---	---	---	5.0	5.2	5.5	---	---	---	3.0	3.0	3.0
1201 - 1800	---	---	---	5.5	5.5	5.5	---	---	---	3.5	3.5	3.5
1801 - 2400	---	---	---	5.5	5.5	5.5	---	---	---	3.0	3.3	3.5
DAILY VALUE	---	---	---	5.0	5.4	5.5	---	---	---	3.0	3.2	3.5
0001 - 0600	---	---	---	5.5	5.5	5.5	---	---	---	---	---	---
0601 - 1200	---	---	---	5.5	6.0	6.5	---	---	---	---	---	---
1201 - 1800	---	---	---	7.5	7.8	8.0	---	---	---	---	---	---
1801 - 2400	---	---	---	7.0	7.2	7.5	---	---	---	---	---	---
DAILY VALUE	---	---	---	5.5	6.6	8.0	---	---	---	---	---	---
0001 - 0600	---	---	---	6.0	6.2	6.5	---	---	---	MONTHLY VALUE		
0601 - 1200	---	---	---	6.0	6.0	6.0	---	---	---			
1201 - 1800	---	---	---	6.5	6.5	6.5	---	---	---			
1801 - 2400	6.5	6.7	7.0	5.5	5.7	6.0	---	---	---	2.0	---	8.0
DAILY VALUE	6.5	---	7.0	5.5	6.1	6.5	---	---	---			

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Appendix Table 4-C-21 Cont.

- OCTOBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	2.0	2.3	2.5	.5	.5	.5	---	---	---	---	---	---
0601 - 1200	2.0	2.2	2.5	.5	.5	.5	---	---	---	---	---	---
1201 - 1800	3.0	3.0	3.0	1.0	1.0	1.0	---	---	---	---	---	---
1801 - 2400	2.5	2.8	3.0	1.0	1.0	1.0	---	---	---	---	---	---
DAILY VALUE	2.0	2.5	3.0	.5	.7	1.0	---	---	---	---	---	---
0001 - 0600	2.0	2.3	2.5	.5	.7	1.0	---	---	---	---	---	---
0601 - 1200	2.0	2.2	2.5	.5	.5	.5	---	---	---	---	---	---
1201 - 1800	3.0	3.0	3.0	1.0	1.0	1.0	---	---	---	---	---	---
1801 - 2400	2.5	2.8	3.0	.5	.7	1.0	---	---	---	---	---	---
DAILY VALUE	2.0	2.6	3.0	.5	.7	1.0	---	---	---	---	---	---
0001 - 0600	2.0	2.2	2.5	.5	.5	.5	---	---	---	---	---	---
0601 - 1200	2.0	2.2	2.5	.5	.5	.5	---	---	---	---	---	---
1201 - 1800	2.5	2.7	3.0	.5	.5	.5	---	---	---	---	---	---
1801 - 2400	2.5	2.7	3.0	.5	.5	.5	---	---	---	---	---	---
DAILY VALUE	2.0	2.4	3.0	.5	.5	.5	---	---	---	---	---	---
0001 - 0600	1.5	1.8	2.0	.5	.5	.5	---	---	---	---	---	---
0601 - 1200	1.5	1.5	1.5	.5	.5	.5	---	---	---	---	---	---
1201 - 1800	1.5	1.8	2.0	.5	1.0	1.5	---	---	---	---	---	---
1801 - 2400	2.0	2.0	2.0	1.5	1.5	1.5	---	---	---	---	---	---
DAILY VALUE	1.5	1.8	2.0	.5	.9	1.5	---	---	---	---	---	---
0001 - 0600	1.5	1.5	1.5	.5	.8	1.0	---	---	---	---	---	---
0601 - 1200	1.5	1.5	1.5	.5	.5	.5	---	---	---	---	---	---
1201 - 1800	1.5	1.5	1.5	.5	.5	.5	---	---	---	---	---	---
1801 - 2400	1.0	1.2	1.5	.5	.5	.5	---	---	---	---	---	---
DAILY VALUE	1.0	1.4	1.5	.5	.6	1.0	---	---	---	---	---	---
0001 - 0600	.5	.5	.5	.5	.5	.5	---	---	---	---	---	---
0601 - 1200	.5	.5	.5	.5	.5	.5	---	---	---	---	---	---
1201 - 1800	2.0	2.0	2.0	.5	.5	.5	---	---	---	---	---	---
1801 - 2400	.5	1.0	2.0	.5	.5	.5	---	---	---	---	---	---
DAILY VALUE	.5	1.0	2.0	.5	.5	.5	---	---	---	---	---	---
0001 - 0600	.5	.5	.5	.5	.5	.5	---	---	---	---	---	---
0601 - 1200	.5	.5	.5	.5	.5	.5	---	---	---	---	---	---
1201 - 1800	.5	1.5	2.0	.5	.5	.5	---	---	---	---	---	---
1801 - 2400	.5	1.0	2.0	.5	.5	.5	---	---	---	---	---	---
DAILY VALUE	.5	.9	2.0	.5	.5	.5	---	---	---	---	---	---
0001 - 0600	.5	.5	.5	.5	.5	.5	---	---	---	MONTHLY VALUE		
0601 - 1200	.5	.5	.5	.5	.5	.5	---	---	---			
1201 - 1800	.5	.8	1.0	---	---	---	---	---	---			
1801 - 2400	.5	.8	1.0	---	---	---	---	---	---			
DAILY VALUE	.5	.7	1.0	.5	---	.5	---	---	---			

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Appendix Table 4-C-22 Thermograph data summary, summer surface water temperature (C),
Kosina Creek, RM 206.8, Geocode S31N08E15BAB.

- JUNE 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	11.0	----	11.0
1201 - 1800	----	----	----	----	----	----	----	----	----	12.0	13.3	14.5
1801 - 2400	----	----	----	----	----	----	----	----	----	12.5	13.7	14.5
DAILY VALUE	----	----	----	----	----	----	----	----	----	11.0	----	14.5
0001 - 0600	----	----	----	----	----	----	----	----	----	10.0	10.8	11.5
0601 - 1200	----	----	----	----	----	----	----	----	----	9.5	9.8	10.5
1201 - 1800	----	----	----	----	----	----	----	----	----	11.5	12.0	12.5
1801 - 2400	----	----	----	----	----	----	----	----	----	10.5	11.0	11.5
DAILY VALUE	----	----	----	----	----	----	----	----	----	9.5	10.9	12.5
0001 - 0600	----	----	----	----	----	----	----	----	----	8.5	9.0	9.5
0601 - 1200	----	----	----	----	----	----	----	----	----	8.5	8.5	8.5
1201 - 1800	----	----	----	----	----	----	----	----	----	9.5	10.0	10.5
1801 - 2400	----	----	----	----	----	----	----	----	----	10.5	10.5	10.5
DAILY VALUE	----	----	----	----	----	----	----	----	----	8.5	9.5	10.5
0001 - 0600	----	----	----	----	----	----	----	----	----	7.5	8.3	9.5
0601 - 1200	----	----	----	----	----	----	----	----	----	7.0	7.0	7.0
1201 - 1800	----	----	----	----	----	----	----	----	----	6.5	6.8	7.0
1801 - 2400	----	----	----	----	----	----	----	----	----	7.5	8.5	9.5
DAILY VALUE	----	----	----	----	----	----	----	----	----	6.5	7.7	9.5
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	MONTHLY VALUE		
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	6.5	----	14.5
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----

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Appendix Table 4-C-22 Cont.

- JULY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	8.5	9.0	9.5	11.0	11.5	12.0	9.0	9.5	10.0	10.5	11.0	11.5
0601 - 1200	8.5	8.5	8.5	10.5	10.7	11.0	9.0	9.3	10.0	10.5	10.5	10.5
1201 - 1800	8.5	9.0	9.5	11.5	12.0	12.5	10.5	11.0	11.5	11.0	11.5	12.0
1801 - 2400	9.0	9.3	9.5	12.0	12.3	12.5	12.0	12.0	12.0	12.0	12.3	12.5
DAILY VALUE	8.5	9.0	9.5	10.5	11.6	12.5	9.0	10.5	12.0	10.5	11.3	12.5
0001 - 0600	8.0	8.5	9.0	11.5	11.7	12.0	10.5	11.0	11.5	10.0	10.7	11.5
0601 - 1200	8.0	8.7	9.5	11.0	11.0	11.0	10.0	10.0	10.0	10.0	10.5	11.0
1201 - 1800	10.0	10.7	11.0	11.5	11.5	11.5	11.0	11.3	11.5	13.5	13.7	14.0
1801 - 2400	10.5	10.8	11.0	11.0	11.2	11.5	11.5	11.8	12.0	13.5	13.8	14.0
DAILY VALUE	8.0	9.7	11.0	11.0	11.3	12.0	10.0	11.0	12.0	10.0	12.2	14.0
0001 - 0600	7.5	8.5	9.5	9.5	10.0	10.5	9.5	10.3	11.0	11.5	11.8	12.5
0601 - 1200	7.0	8.2	9.5	9.5	9.7	10.0	9.5	10.3	11.5	11.5	11.8	12.5
1201 - 1800	11.0	12.3	13.5	10.5	11.0	11.5	13.0	14.3	15.5	13.5	14.5	15.0
1801 - 2400	13.0	13.3	13.5	11.0	11.2	11.5	15.0	15.7	16.0	14.0	14.5	15.0
DAILY VALUE	7.0	10.6	13.5	9.5	10.5	11.5	9.5	12.7	16.0	11.5	13.2	15.0
0001 - 0600	9.5	10.5	11.5	10.5	10.5	10.5	11.5	12.5	13.5	12.0	12.7	13.5
0601 - 1200	9.5	10.2	11.0	10.0	10.2	10.5	11.0	11.8	13.0	11.5	12.0	12.5
1201 - 1800	12.0	12.7	13.0	11.0	11.3	11.5	14.0	15.0	16.0	14.0	14.7	15.0
1801 - 2400	12.5	12.8	13.0	11.0	11.3	11.5	15.0	15.5	16.0	14.0	14.5	15.0
DAILY VALUE	9.5	11.5	13.0	10.0	10.8	11.5	11.0	13.7	16.0	11.5	13.5	15.0
0001 - 0600	9.5	10.5	11.5	10.0	10.2	10.5	11.5	12.5	13.5	12.0	12.7	13.5
0601 - 1200	9.0	9.5	10.0	9.5	10.0	10.5	11.5	11.8	12.5	12.0	12.2	12.5
1201 - 1800	11.0	12.2	13.0	11.0	11.8	12.5	13.0	13.3	13.5	12.5	12.5	12.5
1801 - 2400	12.0	12.5	13.0	12.0	12.3	12.5	13.0	13.3	13.5	12.0	12.3	12.5
DAILY VALUE	9.0	11.2	13.0	9.5	11.1	12.5	11.5	12.7	13.5	12.0	12.4	13.5
0001 - 0600	9.5	10.2	11.0	10.0	10.7	11.5	11.5	11.7	12.0	11.0	11.3	11.5
0601 - 1200	9.5	10.2	11.0	10.0	10.2	10.5	11.0	11.2	11.5	11.0	11.0	11.0
1201 - 1800	12.0	12.8	13.5	10.5	10.7	11.0	12.0	12.3	12.5	11.0	11.3	11.5
1801 - 2400	12.5	13.0	13.5	11.5	11.8	12.0	12.0	12.3	12.5	11.0	11.3	11.5
DAILY VALUE	9.5	11.5	13.5	10.0	10.8	12.0	11.0	11.9	12.5	11.0	11.2	11.5
0001 - 0600	9.5	10.3	11.5	10.0	10.5	11.0	11.0	11.2	11.5	9.5	10.0	10.5
0601 - 1200	9.0	10.2	11.5	10.0	10.0	10.0	10.5	10.7	11.0	9.5	9.8	10.5
1201 - 1800	13.5	14.5	15.5	10.5	10.8	11.0	11.0	11.5	12.0	11.5	11.8	12.0
1801 - 2400	15.5	15.8	16.0	11.0	11.0	11.0	11.5	11.8	12.0	11.5	11.8	12.0
DAILY VALUE	9.0	12.7	16.0	10.0	10.6	11.0	10.5	11.3	12.0	9.5	10.9	12.0
0001 - 0600	12.5	13.3	14.5	10.0	10.2	10.5	11.0	11.2	11.5	MONTHLY VALUE		
0601 - 1200	12.0	12.2	12.5	9.5	9.7	10.0	11.0	11.2	11.5			
1201 - 1800	13.0	13.5	14.5	10.0	10.7	11.0	12.0	12.0	12.0	7.0 11.5 16.0		
1801 - 2400	13.0	13.8	14.5	10.5	10.8	11.0	11.5	11.8	12.0			
DAILY VALUE	12.0	13.2	14.5	9.5	10.3	11.0	11.0	11.5	12.0			

Appendix Table 4-C-22 Cont.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	9.5	10.0	10.5	9.5	10.0	10.5	9.0	9.2	9.5	---	---	---
0601 - 1200	9.5	10.0	10.5	9.0	9.5	10.0	9.5	9.7	10.0	---	---	---
1201 - 1800	12.0	12.7	13.0	10.5	10.7	11.0	8.0	8.5	9.0	---	---	---
1801 - 2400	12.0	12.5	13.0	11.0	11.0	11.0	7.5	7.7	8.0	---	---	---
DAILY VALUE	9.5	11.3	13.0	9.0	10.3	11.0	7.5	8.7	10.0	---	---	---
0001 - 0600	9.5	10.2	11.0	9.5	10.0	10.5	---	---	---	---	---	---
0601 - 1200	9.0	9.7	10.5	9.5	9.7	10.0	---	---	---	---	---	---
1201 - 1800	11.5	12.3	13.0	10.5	10.8	11.0	---	---	---	---	---	---
1801 - 2400	12.5	12.8	13.0	10.5	10.7	11.0	---	---	---	---	---	---
DAILY VALUE	9.0	11.2	13.0	9.5	10.3	11.0	---	---	---	---	---	---
0001 - 0600	10.0	10.7	11.5	9.0	9.5	10.0	---	---	---	---	---	---
0601 - 1200	9.5	9.8	10.5	9.0	9.2	9.5	---	---	---	---	---	---
1201 - 1800	12.5	12.8	13.0	10.5	10.8	11.0	---	---	---	---	---	---
1801 - 2400	13.0	13.3	13.5	10.5	10.8	11.0	---	---	---	---	---	---
DAILY VALUE	9.5	11.7	13.5	9.0	10.1	11.0	---	---	---	---	---	---
0001 - 0600	10.0	11.0	12.0	8.5	9.3	10.5	---	---	---	---	---	---
0601 - 1200	9.5	10.2	11.0	8.0	8.8	10.0	---	---	---	---	---	---
1201 - 1800	12.5	13.5	14.5	11.5	12.5	13.5	---	---	---	---	---	---
1801 - 2400	13.5	14.0	14.5	12.5	13.2	13.5	---	---	---	---	---	---
DAILY VALUE	9.5	12.2	14.5	8.0	11.0	13.5	---	---	---	---	---	---
0001 - 0600	11.0	11.7	12.5	10.0	11.0	12.0	---	---	---	---	---	---
0601 - 1200	11.0	11.3	12.0	10.0	10.3	11.0	---	---	---	---	---	---
1201 - 1800	13.0	13.5	14.0	13.0	13.3	13.5	---	---	---	---	---	---
1801 - 2400	13.0	13.5	14.0	11.5	12.0	12.5	---	---	---	---	---	---
DAILY VALUE	11.0	12.5	14.0	10.0	11.7	13.5	---	---	---	---	---	---
0001 - 0600	10.5	11.2	12.0	11.5	11.8	12.0	---	---	---	---	---	---
0601 - 1200	10.0	10.7	11.5	12.5	12.5	12.5	---	---	---	---	---	---
1201 - 1800	12.0	12.8	13.5	11.5	12.0	12.5	---	---	---	---	---	---
1801 - 2400	13.0	13.5	14.0	10.0	10.5	11.0	---	---	---	---	---	---
DAILY VALUE	10.0	12.0	14.0	10.0	11.7	12.5	---	---	---	---	---	---
0001 - 0600	11.0	11.5	12.0	10.0	10.2	10.5	---	---	---	---	---	---
0601 - 1200	11.0	11.2	11.5	10.5	10.8	11.0	---	---	---	---	---	---
1201 - 1800	12.5	12.5	12.5	9.5	10.0	10.5	---	---	---	---	---	---
1801 - 2400	11.5	12.0	12.5	8.0	8.2	8.5	---	---	---	---	---	---
DAILY VALUE	11.0	11.8	12.5	8.0	9.8	11.0	---	---	---	---	---	---
0001 - 0600	10.0	10.5	11.0	8.0	9.0	10.0	---	---	---	MONTHLY VALUE		
0601 - 1200	10.0	10.2	10.5	11.0	11.3	11.5	---	---	---			
1201 - 1800	10.5	10.8	11.0	10.0	10.8	11.5	---	---	---			
1801 - 2400	11.0	11.2	11.5	9.0	9.2	9.5	---	---	---	7.5 --- 14.5		
DAILY VALUE	10.0	10.7	11.5	8.0	10.1	11.5	---	---	---			

Appendix Table 4-C-22 Cont.

- SEPTEMBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	---	---	---	---	---	---	---	---	---	2.6	2.9	3.1
0601 - 1200	---	---	---	---	---	---	---	---	---	2.6	2.6	2.6
1201 - 1800	---	---	---	---	---	---	---	---	---	3.1	3.6	4.1
1801 - 2400	---	---	---	---	---	---	---	---	---	4.6	4.6	4.6
DAILY VALUE	---	---	---	---	---	---	---	---	---	2.6	3.4	4.6
0001 - 0600	---	---	---	---	---	---	---	---	---	3.6	3.9	4.1
0601 - 1200	---	---	---	---	---	---	---	---	---	3.1	3.3	3.6
1201 - 1800	---	---	---	---	---	---	---	---	---	3.6	3.9	4.1
1801 - 2400	---	---	---	---	---	---	---	---	---	4.1	4.1	4.1
DAILY VALUE	---	---	---	---	---	---	---	---	---	3.1	3.8	4.1
0001 - 0600	---	---	---	---	---	---	---	---	---	3.6	3.8	4.1
0601 - 1200	---	---	---	---	---	---	---	---	---	3.1	3.1	3.1
1201 - 1800	---	---	---	---	---	---	6.6	6.6	6.6	4.6	4.6	4.6
1801 - 2400	---	---	---	---	---	---	6.1	6.3	6.6	3.6	4.1	4.6
DAILY VALUE	---	---	---	---	---	---	6.1	---	6.6	3.1	3.8	4.6
0001 - 0600	---	---	---	---	---	---	5.1	5.3	5.6	1.6	2.3	3.1
0601 - 1200	---	---	---	---	---	---	4.6	4.6	4.6	1.6	1.6	1.6
1201 - 1800	---	---	---	---	---	---	5.1	5.3	5.6	1.6	1.9	2.1
1801 - 2400	---	---	---	---	---	---	5.1	5.4	5.6	2.1	2.1	2.1
DAILY VALUE	---	---	---	---	---	---	4.6	5.1	5.6	1.6	2.0	3.1
0001 - 0600	---	---	---	---	---	---	4.6	4.8	5.1	2.1	2.1	2.1
0601 - 1200	---	---	---	---	---	---	4.1	4.1	4.1	1.6	1.8	2.1
1201 - 1800	---	---	---	---	---	---	4.6	4.9	5.1	2.1	2.3	2.6
1801 - 2400	---	---	---	---	---	---	5.1	5.1	5.1	2.1	2.4	2.6
DAILY VALUE	---	---	---	---	---	---	4.1	4.7	5.1	1.6	2.1	2.6
0001 - 0600	---	---	---	---	---	---	4.1	4.6	5.1	1.6	1.9	2.1
0601 - 1200	---	---	---	---	---	---	4.1	4.1	4.1	1.6	1.8	2.1
1201 - 1800	---	---	---	---	---	---	4.6	4.9	5.1	2.6	2.6	2.6
1801 - 2400	---	---	---	---	---	---	4.6	4.9	5.1	2.6	2.6	2.6
DAILY VALUE	---	---	---	---	---	---	4.1	4.6	5.1	1.6	2.2	2.6
0001 - 0600	---	---	---	---	---	---	3.1	3.6	4.1	---	---	---
0601 - 1200	---	---	---	---	---	---	2.1	2.3	2.6	---	---	---
1201 - 1800	---	---	---	---	---	---	3.1	3.4	3.6	---	---	---
1801 - 2400	---	---	---	---	---	---	3.1	3.4	3.6	---	---	---
DAILY VALUE	---	---	---	---	---	---	2.1	3.2	4.1	---	---	---
0001 - 0600	---	---	---	---	---	---	1.6	2.3	3.1	MONTHLY VALUE		
0601 - 1200	---	---	---	---	---	---	1.1	1.1	1.1			
1201 - 1800	---	---	---	---	---	---	2.1	2.6	3.1			
1801 - 2400	---	---	---	---	---	---	3.1	3.1	3.1	1.1	---	6.6
DAILY VALUE	---	---	---	---	---	---	1.1	2.3	3.1			

4-C-80

Appendix Table 4-C-22 Cont.

- OCTOBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	1.6	1.9	2.1	.1	.1	.1	---	---	---	---	---	---
0601 - 1200	1.6	1.6	1.6	.1	.1	.1	---	---	---	---	---	---
1201 - 1800	2.1	2.3	2.6	.1	.1	.1	---	---	---	---	---	---
1801 - 2400	2.6	2.6	2.6	.1	.1	.1	---	---	---	---	---	---
DAILY VALUE	1.6	2.1	2.6	.1	.1	.1	---	---	---	---	---	---
0001 - 0600	2.1	2.3	2.6	.1	.1	.1	---	---	---	---	---	---
0601 - 1200	1.6	1.9	2.1	.1	.1	.1	---	---	---	---	---	---
1201 - 1800	2.1	2.4	2.6	.1	.1	.1	---	---	---	---	---	---
1801 - 2400	2.6	2.6	2.6	.1	.1	.1	---	---	---	---	---	---
DAILY VALUE	1.6	2.3	2.6	.1	.1	.1	---	---	---	---	---	---
0001 - 0600	2.1	2.1	2.1	.1	.1	.1	---	---	---	---	---	---
0601 - 1200	1.6	1.6	1.6	.1	.1	.1	---	---	---	---	---	---
1201 - 1800	1.6	1.9	2.1	.1	.1	.1	---	---	---	---	---	---
1801 - 2400	2.1	2.1	2.1	.1	.1	.1	---	---	---	---	---	---
DAILY VALUE	1.6	1.9	2.1	.1	.1	.1	---	---	---	---	---	---
0001 - 0600	1.1	1.4	1.6	.1	.1	.1	---	---	---	---	---	---
0601 - 1200	1.1	1.1	1.1	.1	.1	.1	---	---	---	---	---	---
1201 - 1800	1.1	1.4	1.6	.1	.1	.1	---	---	---	---	---	---
1801 - 2400	1.6	1.6	1.6	.1	.1	.1	---	---	---	---	---	---
DAILY VALUE	1.1	1.4	1.6	.1	.1	.1	---	---	---	---	---	---
0001 - 0600	1.1	1.3	1.6	.1	.1	.1	---	---	---	---	---	---
0601 - 1200	.6	.9	1.1	.1	.1	.1	---	---	---	---	---	---
1201 - 1800	1.1	1.1	1.1	.1	.1	.1	---	---	---	---	---	---
1801 - 2400	1.1	1.1	1.1	.1	.1	.1	---	---	---	---	---	---
DAILY VALUE	.6	1.1	1.6	.1	.1	.1	---	---	---	---	---	---
0001 - 0600	.6	.8	1.1	.1	.1	.1	---	---	---	---	---	---
0601 - 1200	.1	.1	.1	.1	.1	.1	---	---	---	---	---	---
1201 - 1800	.6	.6	.6	.1	.1	.1	---	---	---	---	---	---
1801 - 2400	.6	.6	.6	.1	.1	.1	---	---	---	---	---	---
DAILY VALUE	.1	.5	1.1	.1	.1	.1	---	---	---	---	---	---
0001 - 0600	.1	.4	.6	.1	.1	.1	---	---	---	---	---	---
0601 - 1200	.1	.1	.1	.1	.1	.1	---	---	---	---	---	---
1201 - 1800	.1	.4	.6	.1	.1	.1	---	---	---	---	---	---
1801 - 2400	.1	.3	.6	.1	.1	.1	---	---	---	---	---	---
DAILY VALUE	.1	.3	.6	.1	.1	.1	---	---	---	---	---	---
0001 - 0600	.1	.1	.1	.1	.1	.1	---	---	---	MONTHLY VALUE		
0601 - 1200	.1	.1	.1	.1	.1	.1	---	---	---			
1201 - 1800	.1	.1	.1	---	---	---	---	---	---			
1801 - 2400	.1	.1	.1	---	---	---	---	---	---			
DAILY VALUE	.1	.1	.1	.1	---	.1	---	---	---			

4-C-81

Appendix Table 4-C-23

Thermograph data summary, summer surface water temperature (C),
Goose Creek, RM 231.3, Geocode S30N11E32DBC.

- JUNE 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	---	---	---	---	---	---	---	---	---	---	---	---
0601 - 1200	---	---	---	---	---	---	---	---	---	---	---	---
1201 - 1800	---	---	---	---	---	---	---	---	---	---	---	---
1801 - 2400	---	---	---	---	---	---	---	---	---	---	---	---
DAILY VALUE	---	---	---	---	---	---	---	---	---	---	---	---
0001 - 0600	---	---	---	---	---	---	---	---	---	---	---	---
0601 - 1200	---	---	---	---	---	---	---	---	---	---	---	---
1201 - 1800	---	---	---	---	---	---	---	---	---	---	---	---
1801 - 2400	---	---	---	---	---	---	---	---	---	---	---	---
DAILY VALUE	---	---	---	---	---	---	---	---	---	---	---	---
0001 - 0600	---	---	---	---	---	---	---	---	---	---	---	---
0601 - 1200	---	---	---	---	---	---	---	---	---	---	---	---
1201 - 1800	---	---	---	---	---	---	---	---	---	13.5	14.3	15.0
1801 - 2400	---	---	---	---	---	---	---	---	---	12.5	13.5	14.5
DAILY VALUE	---	---	---	---	---	---	---	---	---	12.5	---	15.0
0001 - 0600	---	---	---	---	---	---	---	---	---	10.5	11.0	11.5
0601 - 1200	---	---	---	---	---	---	---	---	---	10.0	10.8	12.0
1201 - 1800	---	---	---	---	---	---	---	---	---	13.0	13.3	13.5
1801 - 2400	---	---	---	---	---	---	---	---	---	10.5	11.5	12.5
DAILY VALUE	---	---	---	---	---	---	---	---	---	10.0	11.7	13.5
0001 - 0600	---	---	---	---	---	---	---	---	---	8.5	9.0	9.5
0601 - 1200	---	---	---	---	---	---	---	---	---	8.5	8.8	9.5
1201 - 1800	---	---	---	---	---	---	---	---	---	11.0	11.8	12.5
1801 - 2400	---	---	---	---	---	---	---	---	---	11.0	11.8	12.5
DAILY VALUE	---	---	---	---	---	---	---	---	---	8.5	10.4	12.5
0001 - 0600	---	---	---	---	---	---	---	---	---	9.5	9.8	10.5
0601 - 1200	---	---	---	---	---	---	---	---	---	9.5	9.7	10.0
1201 - 1800	---	---	---	---	---	---	---	---	---	11.5	11.5	11.5
1801 - 2400	---	---	---	---	---	---	---	---	---	10.0	10.8	11.5
DAILY VALUE	---	---	---	---	---	---	---	---	---	9.5	10.5	11.5
0001 - 0600	---	---	---	---	---	---	---	---	---	---	---	---
0601 - 1200	---	---	---	---	---	---	---	---	---	---	---	---
1201 - 1800	---	---	---	---	---	---	---	---	---	---	---	---
1801 - 2400	---	---	---	---	---	---	---	---	---	---	---	---
DAILY VALUE	---	---	---	---	---	---	---	---	---	---	---	---
0001 - 0600	---	---	---	---	---	---	---	---	---	---	---	---
0601 - 1200	---	---	---	---	---	---	---	---	---	---	---	---
1201 - 1800	---	---	---	---	---	---	---	---	---	---	---	---
1801 - 2400	---	---	---	---	---	---	---	---	---	---	---	---
DAILY VALUE	---	---	---	---	---	---	---	---	---	---	---	---
0001 - 0600	---	---	---	---	---	---	---	---	---	---	---	---
0601 - 1200	---	---	---	---	---	---	---	---	---	---	---	---
1201 - 1800	---	---	---	---	---	---	---	---	---	---	---	---
1801 - 2400	---	---	---	---	---	---	---	---	---	---	---	---
DAILY VALUE	---	---	---	---	---	---	---	---	---	---	---	---
0001 - 0600	---	---	---	---	---	---	---	---	---	---	---	---
0601 - 1200	---	---	---	---	---	---	---	---	---	---	---	---
1201 - 1800	---	---										

April Table 4-C-23 Cont.

- JULY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	8.5	8.8	9.5	11.5	12.0	12.5	8.5	9.0	9.5	10.5	10.8	11.0
0601 - 1200	8.5	9.0	9.5	11.5	11.7	12.0	8.5	8.8	9.5	10.5	10.5	10.5
1201 - 1800	10.0	10.7	11.0	12.5	12.8	13.0	10.5	11.0	11.5	11.0	12.5	13.5
1801 - 2400	9.5	10.0	10.5	12.0	12.5	13.0	10.5	10.8	11.0	12.0	12.5	13.0
DAILY VALUE	8.5	9.6	11.0	11.5	12.2	13.0	8.5	9.9	11.5	10.5	11.6	13.5
0001 - 0600	7.5	8.0	8.5	11.5	11.7	12.0	9.5	9.7	10.0	9.0	9.7	10.5
0601 - 1200	7.5	8.7	10.0	11.5	11.5	11.5	9.5	9.7	10.0	9.0	10.2	11.5
1201 - 1800	11.0	12.0	12.5	12.0	12.0	12.0	11.0	11.8	12.5	13.5	14.5	15.0
1801 - 2400	10.0	11.0	12.0	11.0	11.5	12.0	11.5	12.2	12.5	13.0	14.0	15.0
DAILY VALUE	7.5	9.9	12.5	11.0	11.7	12.0	9.5	10.8	12.5	9.0	12.1	15.0
0001 - 0600	7.0	7.7	8.5	10.0	10.3	10.5	9.0	9.8	10.5	10.5	11.2	12.0
0601 - 1200	7.0	8.0	9.5	10.0	10.2	10.5	9.0	10.2	11.5	10.5	11.7	13.0
1201 - 1800	11.5	13.0	14.0	11.5	12.3	13.0	14.0	15.0	15.5	14.5	15.7	16.5
1801 - 2400	11.5	12.5	13.5	12.0	12.5	13.0	13.0	14.3	15.5	13.5	14.5	15.5
DAILY VALUE	7.0	10.3	14.0	10.0	11.3	13.0	9.0	12.3	15.5	10.5	13.2	16.5
0001 - 0600	9.0	9.7	10.5	10.5	11.0	11.5	9.5	10.5	11.5	11.5	12.3	13.0
0601 - 1200	9.0	10.0	11.0	10.5	10.5	10.5	9.5	10.8	12.5	11.0	11.8	13.0
1201 - 1800	13.0	13.3	13.5	11.5	12.5	13.5	14.5	15.3	16.0	14.0	15.2	16.0
1801 - 2400	11.5	12.3	13.0	12.0	12.7	13.5	13.5	14.7	15.5	13.5	14.5	15.5
DAILY VALUE	9.0	11.3	13.5	10.5	11.7	13.5	9.5	12.8	16.0	11.0	13.5	16.0
0001 - 0600	9.0	9.5	10.0	10.5	10.7	11.0	11.0	11.7	12.5	12.0	12.5	13.0
0601 - 1200	8.5	9.7	11.0	10.0	10.7	11.5	11.0	11.7	12.5	12.0	12.2	12.5
1201 - 1800	12.0	12.7	13.5	13.0	13.0	13.0	14.0	14.0	14.0	13.0	13.2	13.5
1801 - 2400	11.5	12.2	13.0	11.5	12.2	13.0	12.0	13.0	14.0	12.5	13.2	13.5
DAILY VALUE	8.5	11.0	13.5	10.0	11.6	13.0	11.0	12.6	14.0	12.0	12.7	13.5
0001 - 0600	9.5	10.0	10.5	9.5	10.2	11.0	10.5	11.0	11.5	10.5	11.0	11.5
0601 - 1200	9.5	10.7	12.0	9.5	10.2	11.0	10.5	11.0	11.5	10.5	11.0	11.5
1201 - 1800	13.0	14.5	15.5	12.5	12.8	13.0	12.5	12.8	13.0	12.0	12.0	12.0
1801 - 2400	12.5	13.8	15.0	11.5	12.0	12.5	11.5	12.0	12.5	11.0	11.5	12.0
DAILY VALUE	9.5	12.2	15.5	9.5	11.3	13.0	10.5	11.7	13.0	10.5	11.4	12.0
0001 - 0600	9.5	10.2	11.0	10.0	10.5	11.0	10.5	10.7	11.0	10.0	10.0	10.0
0601 - 1200	9.5	11.0	13.0	10.0	10.0	10.0	10.5	10.5	10.5	10.0	10.3	11.0
1201 - 1800	15.0	16.0	16.5	10.5	11.2	11.5	11.5	12.0	12.5	12.5	13.0	13.5
1801 - 2400	15.0	15.8	16.5	10.5	11.0	11.5	11.5	12.0	12.5	11.0	11.7	12.5
DAILY VALUE	9.5	13.2	16.5	10.0	10.7	11.5	10.5	11.3	12.5	10.0	11.2	13.5
0001 - 0600	12.0	12.7	13.5	9.0	9.5	10.0	10.5	10.8	11.0	MONTHLY VALUE		
0601 - 1200	12.0	12.3	13.0	9.0	9.2	9.5	10.5	11.2	12.0			
1201 - 1800	15.0	15.3	15.5	10.0	10.7	11.0	12.5	12.8	13.0			
1801 - 2400	13.0	13.8	14.5	10.0	10.3	10.5	11.5	12.0	12.5			
DAILY VALUE	12.0	13.5	15.5	9.0	9.9	11.0	10.5	11.7	13.0			

Appendix Table 4C-25 Cont.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	9.5	10.0	10.5	8.5	9.3	10.0	9.0	9.3	10.0	9.5	10.0	10.5
0601 - 1200	9.5	10.3	11.0	9.0	9.7	10.5	9.0	9.5	10.0	9.5	10.2	11.0
1201 - 1800	12.0	12.0	12.0	11.0	11.7	12.0	10.5	10.7	11.0	12.0	12.3	12.5
1801 - 2400	10.5	11.2	12.0	10.5	11.2	12.0	9.0	9.8	10.5	10.0	11.0	12.0
DAILY VALUE	9.5	10.9	12.0	8.5	10.5	12.0	9.0	9.8	11.0	9.5	10.9	12.5
0001 - 0600	8.5	9.2	10.0	9.5	9.7	10.0	7.0	7.7	8.5	8.0	8.5	9.0
0601 - 1200	8.5	10.2	12.0	9.5	10.2	11.0	7.0	8.7	10.5	8.5	9.2	10.0
1201 - 1800	12.5	13.0	13.5	11.5	11.7	12.0	12.0	12.3	12.5	11.0	11.0	11.0
1801 - 2400	11.0	12.0	13.0	10.0	10.7	11.5	11.0	11.5	12.0	9.0	9.8	10.5
DAILY VALUE	8.5	11.1	13.5	9.5	10.5	12.0	7.0	10.0	12.5	8.0	9.6	11.0
0001 - 0600	9.5	9.8	10.5	9.0	9.3	9.5	9.0	9.5	10.0	8.0	8.5	9.0
0601 - 1200	9.5	10.8	12.5	9.0	9.5	10.0	9.0	10.0	11.5	7.5	8.8	10.5
1201 - 1800	13.5	14.2	14.5	11.5	11.8	12.0	13.0	13.0	13.0	12.0	12.0	12.0
1801 - 2400	12.0	12.7	13.5	10.0	11.0	12.0	10.5	11.5	12.5	9.5	10.5	11.5
DAILY VALUE	9.5	11.9	14.5	9.0	10.4	12.0	9.0	11.0	13.0	7.5	10.0	12.0
0001 - 0600	9.5	10.2	11.0	7.5	8.3	9.0	9.5	9.7	10.0	7.0	7.7	8.5
0601 - 1200	9.5	11.2	13.0	7.5	9.2	11.0	9.5	10.2	11.0	7.0	8.2	9.5
1201 - 1800	14.0	14.5	15.0	13.0	13.8	14.5	12.5	13.2	13.5	11.0	11.0	11.0
1801 - 2400	13.0	13.7	14.5	11.5	12.5	13.5	11.5	12.0	12.5	9.5	10.0	10.5
DAILY VALUE	9.5	12.4	15.0	7.5	11.0	14.5	9.5	11.2	13.5	7.0	9.2	11.0
0001 - 0600	10.0	10.7	11.5	9.0	9.7	10.5	10.5	10.7	11.0	8.0	8.2	8.5
0601 - 1200	10.5	11.7	13.0	9.0	10.7	12.5	10.0	10.7	11.5	8.0	8.0	8.0
1201 - 1800	14.0	14.3	14.5	14.5	15.2	15.5	13.0	13.3	13.5	8.5	8.8	9.0
1801 - 2400	12.5	13.2	14.0	12.5	13.5	14.5	12.0	12.5	13.0	9.0	9.0	9.0
DAILY VALUE	10.0	12.5	14.5	9.0	12.2	15.5	10.0	11.8	13.5	8.0	8.5	9.0
0001 - 0600	9.5	10.7	12.0	10.5	11.2	12.0	10.0	10.8	11.5	8.0	8.3	8.5
0601 - 1200	9.5	10.7	11.5	10.5	11.7	13.0	9.5	10.7	12.0	8.0	8.3	8.5
1201 - 1800	13.5	14.3	15.0	13.5	13.5	13.5	14.0	14.0	14.0	9.0	9.0	9.0
1801 - 2400	12.0	13.0	14.0	12.0	12.8	13.5	12.0	12.7	13.5	8.0	8.5	9.0
DAILY VALUE	9.5	12.2	15.0	10.5	12.3	13.5	9.5	12.0	14.0	8.0	8.5	9.0
0001 - 0600	10.5	11.0	11.5	10.5	10.8	11.5	11.0	11.5	12.0	7.5	7.8	8.0
0601 - 1200	10.5	11.3	12.5	10.0	10.5	11.0	11.0	11.3	12.0	7.5	8.0	8.5
1201 - 1800	12.5	12.5	12.5	11.5	11.7	12.0	13.0	13.2	13.5	10.0	10.0	10.0
1801 - 2400	11.0	11.5	12.0	10.0	10.5	11.0	11.5	12.0	12.5	8.0	8.5	9.0
DAILY VALUE	10.5	11.6	12.5	10.0	10.9	12.0	11.0	12.0	13.5	7.5	8.6	10.0
0001 - 0600	10.0	10.2	10.5	8.0	8.5	9.0	10.5	10.8	11.5	MONTHLY VALUE		
0601 - 1200	10.0	10.5	11.0	8.0	9.5	11.0	10.5	11.0	11.5			
1201 - 1800	11.5	11.8	12.0	12.5	12.5	12.5	12.0	12.5	13.0	7.0 10.8 15.5		
1801 - 2400	10.5	11.2	12.0	10.0	10.7	11.5	11.0	11.5	12.0			
DAILY VALUE	10.0	10.9	12.0	8.0	10.3	12.5	10.5	11.5	13.0			

Table 4-C-23 Cont.

- SEPTEMBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	7.0	7.5	8.0	6.5	6.7	7.0	5.5	5.7	6.0	3.5	3.7	4.0
0601 - 1200	7.0	7.7	8.5	6.5	6.5	6.5	5.5	5.7	6.0	3.0	3.3	4.0
1201 - 1800	9.5	9.7	10.0	7.0	7.2	7.5	7.0	7.3	7.5	5.0	5.3	5.5
1801 - 2400	7.5	8.3	9.0	6.5	6.8	7.0	6.0	6.5	7.0	4.5	5.0	5.5
DAILY VALUE	7.0	8.3	10.0	6.5	6.8	7.5	5.5	6.3	7.5	3.0	4.3	5.5
0001 - 0600	6.5	6.7	7.0	5.5	5.7	6.0	5.5	5.7	6.0	3.5	3.8	4.5
0601 - 1200	6.5	7.3	8.5	5.5	5.7	6.0	5.0	5.5	6.0	3.5	3.7	4.0
1201 - 1800	9.0	9.3	9.5	6.5	7.2	7.5	6.5	6.8	7.0	4.5	4.8	5.0
1801 - 2400	8.0	8.5	9.0	6.5	6.7	7.0	6.0	6.3	6.5	4.5	4.5	4.5
DAILY VALUE	6.5	8.0	9.5	5.5	6.3	7.5	5.0	6.1	7.0	3.5	4.2	5.0
0001 - 0600	7.0	7.2	7.5	4.5	5.2	5.5	5.5	5.5	5.5	3.5	3.7	4.0
0601 - 1200	7.0	7.2	7.5	4.5	5.3	6.0	5.5	5.7	6.0	3.5	3.7	4.0
1201 - 1800	8.0	8.0	8.0	6.5	6.7	7.0	6.5	6.7	7.0	5.0	5.3	6.0
1801 - 2400	7.0	7.5	8.0	4.0	4.5	5.5	6.0	6.5	7.0	3.0	3.8	4.5
DAILY VALUE	7.0	7.5	8.0	4.0	5.4	7.0	5.5	6.1	7.0	3.0	4.1	6.0
0001 - 0600	6.0	6.5	7.0	3.5	3.7	4.0	4.5	5.0	5.5	1.0	1.7	2.0
0601 - 1200	5.5	6.2	7.0	3.0	3.7	4.5	4.5	4.8	5.5	1.0	1.5	2.0
1201 - 1800	7.5	7.8	8.0	5.5	5.7	6.0	6.0	6.3	6.5	2.5	2.5	2.5
1801 - 2400	6.5	7.3	8.0	5.5	5.7	6.0	5.5	6.0	6.5	2.0	2.0	2.0
DAILY VALUE	5.5	7.0	8.0	3.0	4.7	6.0	4.5	5.5	6.5	1.0	1.9	2.5
0001 - 0600	5.5	5.8	6.0	5.0	5.0	5.0	4.5	5.0	5.5	2.0	2.0	2.0
0601 - 1200	5.5	6.0	6.5	4.5	4.5	4.5	4.5	4.8	5.5	2.0	2.2	2.5
1201 - 1800	8.0	8.3	8.5	5.5	5.7	6.0	6.5	6.5	6.5	3.0	3.0	3.0
1801 - 2400	7.0	7.5	8.0	5.5	5.5	5.5	5.5	6.2	6.5	2.0	2.0	2.0
DAILY VALUE	5.5	6.9	8.5	4.5	5.2	6.0	4.5	5.6	6.5	2.0	2.3	3.0
0001 - 0600	6.0	6.7	7.0	5.0	5.3	5.5	4.5	4.7	5.0	1.5	1.8	2.0
0601 - 1200	6.0	6.5	7.5	5.0	5.5	6.0	4.5	4.7	5.0	1.0	1.5	2.0
1201 - 1800	8.0	8.5	9.0	6.5	6.5	6.5	6.0	6.0	6.0	2.5	3.0	3.5
1801 - 2400	8.0	8.3	8.5	6.0	6.3	6.5	5.0	5.3	5.5	2.5	2.8	3.0
DAILY VALUE	6.0	7.5	9.0	5.0	5.9	6.5	4.5	5.2	6.0	1.0	2.3	3.5
0001 - 0600	7.0	7.5	8.0	5.5	5.7	6.0	3.5	4.0	4.5	-----	-----	-----
0601 - 1200	7.0	7.3	7.5	5.5	6.0	7.0	3.5	3.8	4.5	-----	-----	-----
1201 - 1800	8.0	8.0	8.0	8.5	8.8	9.0	5.5	5.5	5.5	-----	-----	-----
1801 - 2400	7.5	7.8	8.0	7.5	8.0	8.5	3.5	4.5	5.5	-----	-----	-----
DAILY VALUE	7.0	7.7	8.0	5.5	7.1	9.0	3.5	4.5	5.5	-----	-----	-----
0001 - 0600	7.0	7.2	7.5	6.0	6.5	7.0	1.5	2.0	2.5	MONTHLY VALUE		
0601 - 1200	7.0	7.0	7.0	6.0	6.2	6.5	1.5	2.0	3.0			
1201 - 1800	7.0	7.3	7.5	7.5	7.5	7.5	4.0	4.3	4.5			
1801 - 2400	7.0	7.0	7.0	6.5	6.7	7.0	4.0	4.3	4.5	1.0 5.7 10.0		
DAILY VALUE	7.0	7.1	7.5	6.0	6.7	7.5	1.5	3.2	4.5			

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Appendix Table 4-c-23 Cont.

- OCTOBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	1.0	1.5	2.0	0.0	0.0	0.0	---	---	---	---	---	---
0601 - 1200	1.0	1.3	2.0	.5	.5	.5	---	---	---	---	---	---
1201 - 1800	2.5	2.8	3.0	1.0	1.0	1.0	---	---	---	---	---	---
1801 - 2400	2.5	2.7	3.0	1.0	1.0	1.0	---	---	---	---	---	---
DAILY VALUE	1.0	2.1	3.0	0.0	.6	1.0	---	---	---	---	---	---
0001 - 0600	2.0	2.0	2.0	.5	.7	1.0	---	---	---	---	---	---
0601 - 1200	2.0	2.0	2.0	.5	.5	.5	---	---	---	---	---	---
1201 - 1800	3.0	3.0	3.0	1.0	1.0	1.0	---	---	---	---	---	---
1801 - 2400	2.5	2.8	3.0	.5	.5	.5	---	---	---	---	---	---
DAILY VALUE	2.0	2.5	3.0	.5	.7	1.0	---	---	---	---	---	---
0001 - 0600	1.5	1.8	2.0	.5	.5	.5	---	---	---	---	---	---
0601 - 1200	1.5	1.7	2.0	.5	.5	.5	---	---	---	---	---	---
1201 - 1800	2.5	2.5	2.5	.5	.5	.5	---	---	---	---	---	---
1801 - 2400	1.5	1.8	2.0	.5	.5	.5	---	---	---	---	---	---
DAILY VALUE	1.5	2.0	2.5	.5	.5	.5	---	---	---	---	---	---
0001 - 0600	1.0	1.0	1.0	.5	.5	.5	---	---	---	---	---	---
0601 - 1200	.5	.8	1.0	.5	.5	.5	---	---	---	---	---	---
1201 - 1800	2.0	2.0	2.0	.5	.5	.5	---	---	---	---	---	---
1801 - 2400	1.5	1.7	2.0	.5	.5	.5	---	---	---	---	---	---
DAILY VALUE	.5	1.4	2.0	.5	.5	.5	---	---	---	---	---	---
0001 - 0600	1.0	1.0	1.0	.5	.5	.5	---	---	---	---	---	---
0601 - 1200	.5	.8	1.0	.5	.5	.5	---	---	---	---	---	---
1201 - 1800	1.5	1.5	1.5	.5	.5	.5	---	---	---	---	---	---
1801 - 2400	1.0	1.2	1.5	.5	.5	.5	---	---	---	---	---	---
DAILY VALUE	.5	1.1	1.5	.5	.5	.5	---	---	---	---	---	---
0001 - 0600	.5	.5	.5	.5	.5	.5	---	---	---	---	---	---
0601 - 1200	.5	.7	1.0	.5	.5	.5	---	---	---	---	---	---
1201 - 1800	1.0	1.3	1.5	.5	.5	.5	---	---	---	---	---	---
1801 - 2400	1.0	1.2	1.5	.5	.5	.5	---	---	---	---	---	---
DAILY VALUE	.5	.9	1.5	.5	.5	.5	---	---	---	---	---	---
0001 - 0600	.5	.8	1.0	.5	.5	.5	---	---	---	---	---	---
0601 - 1200	.5	.5	.5	.5	.5	.5	---	---	---	---	---	---
1201 - 1800	.5	.8	1.0	.5	.5	.5	---	---	---	---	---	---
1801 - 2400	.5	.7	1.0	.5	.5	.5	---	---	---	---	---	---
DAILY VALUE	.5	.7	1.0	.5	.5	.5	---	---	---	---	---	---
0001 - 0600	.5	.5	.5	.5	.5	.5	---	---	---	MONTHLY VALUE		
0601 - 1200	.5	.5	.5	.5	.5	.5	---	---	---			
1201 - 1800	.5	.8	1.0	---	---	---	---	---	---			
1801 - 2400	0.0	.3	.5	---	---	---	---	---	---	0.0 --- 3.0		
DAILY VALUE	0.0	.5	1.0	.5	---	.5	---	---	---			

Appendix Table 4 C 24 Thermograph data summary, summer surface water temperature (C),
Oshetna River, RM 233.4, Geocode S30N11E34CCD.

- JUNE 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	10.3	11.6	12.8
1801 - 2400	----	----	----	----	----	----	----	----	----	12.8	12.8	12.8
DAILY VALUE	----	----	----	----	----	----	----	----	----	10.3	----	12.8
0001 - 0600	----	----	----	----	----	----	----	----	----	9.8	10.8	11.8
0601 - 1200	----	----	----	----	----	----	----	----	----	9.3	9.5	9.8
1201 - 1800	----	----	----	----	----	----	----	----	----	10.8	11.1	11.3
1801 - 2400	----	----	----	----	----	----	----	----	----	10.3	10.8	11.3
DAILY VALUE	----	----	----	----	----	----	----	----	----	9.3	10.5	11.8
0001 - 0600	----	----	----	----	----	----	----	----	----	8.8	9.3	9.8
0601 - 1200	----	----	----	----	----	----	----	----	----	8.3	8.5	8.8
1201 - 1800	----	----	----	----	----	----	----	----	----	9.3	10.1	10.8
1801 - 2400	----	----	----	----	----	----	----	----	----	10.8	10.8	10.8
DAILY VALUE	----	----	----	----	----	----	----	----	----	8.3	9.7	10.8
0001 - 0600	----	----	----	----	----	----	----	----	----	9.3	9.8	10.3
0601 - 1200	----	----	----	----	----	----	----	----	----	9.3	9.3	9.3
1201 - 1800	----	----	----	----	----	----	----	----	----	9.8	10.0	10.3
1801 - 2400	----	----	----	----	----	----	----	----	----	10.3	10.3	10.3
DAILY VALUE	----	----	----	----	----	----	----	----	----	9.3	9.8	10.3
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	MONTHLY VALUE		
0601 - 1200	----	----	----	----	----	----	----	----	----			
1201 - 1800	----	----	----	----	----	----	----	----	----			
1801 - 2400	----	----	----	----	----	----	----	----	----			
DAILY VALUE	----	----	----	----	----	----	----	----	----	8.3	----	12.8

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Appendix Table 4-C-24 Cont.

- JULY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	8.8	9.1	9.8	11.3	12.0	12.8	9.8	10.0	10.3	----	----	----
0601 - 1200	8.3	8.5	8.8	11.3	11.3	11.3	9.3	9.6	9.8	----	----	----
1201 - 1800	9.3	9.6	9.8	11.8	12.0	12.3	10.3	10.6	10.8	----	----	----
1801 - 2400	9.8	9.8	9.8	12.3	12.3	12.3	10.8	11.1	11.3	----	----	----
DAILY VALUE	8.3	9.3	9.8	11.3	11.9	12.8	9.3	10.3	11.3	----	----	----
0001 - 0600	8.3	8.8	9.3	11.8	12.0	12.3	10.3	10.6	10.8	----	----	----
0601 - 1200	8.3	8.8	9.3	11.3	11.3	11.3	10.3	10.3	10.3	----	----	----
1201 - 1800	-----	-----	-----	11.3	11.3	11.3	10.8	11.1	11.3	----	----	----
1801 - 2400	-----	-----	-----	11.3	11.3	11.3	11.3	11.3	11.3	----	----	----
DAILY VALUE	8.3	-----	9.3	11.3	11.5	12.3	10.3	10.8	11.3	----	----	----
0001 - 0600	-----	-----	-----	10.3	10.5	10.8	10.3	10.8	11.3	----	----	----
0601 - 1200	-----	-----	-----	9.8	10.0	10.3	10.3	11.0	11.8	----	----	----
1201 - 1800	-----	-----	-----	10.8	11.0	11.3	13.3	14.1	14.8	----	----	----
1801 - 2400	-----	-----	-----	11.3	11.3	11.3	14.3	14.6	14.8	----	----	----
DAILY VALUE	-----	-----	-----	9.8	10.7	11.3	10.3	12.6	14.8	----	----	----
0001 - 0600	-----	-----	-----	10.3	10.8	11.3	11.8	12.8	13.8	----	----	----
0601 - 1200	-----	-----	-----	10.3	10.3	10.3	11.8	12.3	12.8	----	----	----
1201 - 1800	-----	-----	-----	10.8	11.0	11.3	13.8	14.5	14.8	14.5	14.5	14.5
1801 - 2400	-----	-----	-----	10.8	10.8	10.8	14.3	14.6	14.8	14.0	14.3	14.5
DAILY VALUE	-----	-----	-----	10.3	10.7	11.3	11.8	13.5	14.8	14.0	-----	14.5
0001 - 0600	-----	-----	-----	10.3	10.6	10.8	12.3	13.0	13.8	12.5	13.0	13.5
0601 - 1200	-----	-----	-----	10.3	10.5	10.8	12.3	12.3	12.3	11.5	11.8	12.0
1201 - 1800	-----	-----	-----	11.3	11.6	11.8	12.8	12.8	12.8	12.0	12.2	12.5
1801 - 2400	-----	-----	-----	11.8	11.8	11.8	12.8	12.8	12.8	12.5	12.5	12.5
DAILY VALUE	-----	-----	-----	10.3	11.1	11.8	12.3	12.7	13.8	11.5	12.4	13.5
0001 - 0600	-----	-----	-----	10.3	10.8	11.3	11.3	11.8	12.3	11.0	11.5	12.0
0601 - 1200	-----	-----	-----	10.3	10.5	10.8	11.3	11.5	11.8	10.5	10.5	10.5
1201 - 1800	-----	-----	-----	10.8	11.1	11.3	12.3	-----	12.3	11.0	11.0	11.0
1801 - 2400	-----	-----	-----	11.3	11.3	11.3	-----	-----	-----	10.5	10.8	11.0
DAILY VALUE	-----	-----	-----	10.3	10.9	11.3	11.3	-----	12.3	10.5	11.0	12.0
0001 - 0600	-----	-----	-----	10.8	10.8	10.8	-----	-----	-----	10.0	10.2	10.5
0601 - 1200	-----	-----	-----	10.3	10.5	10.8	-----	-----	-----	10.0	10.2	10.5
1201 - 1800	-----	-----	-----	10.8	11.1	11.3	-----	-----	-----	11.5	11.7	12.0
1801 - 2400	-----	-----	-----	10.8	10.8	10.8	-----	-----	-----	11.5	11.8	12.0
DAILY VALUE	-----	-----	-----	10.3	10.8	11.3	-----	-----	-----	10.0	11.0	12.0
0001 - 0600	-----	-----	-----	10.3	10.6	10.8	-----	-----	-----	MONTHLY VALUE		
0601 - 1200	12.3	12.6	12.8	10.3	10.3	10.3	-----	-----	-----			
1201 - 1800	13.3	13.5	13.8	10.3	10.6	10.8	-----	-----	-----	8.3 ----- 14.8		
1801 - 2400	13.3	13.6	13.8	10.8	10.8	10.8	-----	-----	-----			
DAILY VALUE	12.3	13.2	13.8	10.3	10.6	10.8	-----	-----	-----			

Appendix Table 4-C-24 Cont.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	10.0	10.5	11.0	9.0	9.5	10.0	9.5	9.8	10.0	10.5	10.7	11.0
0601 - 1200	9.5	9.8	10.0	8.5	8.7	9.0	9.5	9.5	9.5	10.0	10.2	10.5
1201 - 1800	10.5	10.8	11.0	9.5	10.2	10.5	10.0	10.2	10.5	11.0	11.5	12.0
1801 - 2400	11.0	11.2	11.5	10.5	10.5	10.5	9.5	10.0	10.5	10.5	11.0	11.5
DAILY VALUE	9.5	10.6	11.5	8.5	9.7	10.5	9.5	9.9	10.5	10.0	10.8	12.0
0001 - 0600	10.0	10.3	10.5	9.5	9.8	10.0	8.5	9.0	9.5	8.5	9.0	9.5
0601 - 1200	10.0	10.3	11.0	9.5	9.7	10.0	8.0	8.7	9.5	8.5	8.7	9.0
1201 - 1800	12.0	12.3	12.5	10.0	10.3	10.5	10.0	10.8	11.5	9.5	10.0	10.5
1801 - 2400	11.5	11.8	12.0	10.0	10.2	10.5	11.0	11.3	11.5	10.0	10.2	10.5
DAILY VALUE	10.0	11.2	12.5	9.5	10.0	10.5	8.0	10.0	11.5	8.5	9.5	10.5
0001 - 0600	10.5	11.0	11.5	9.5	9.7	10.0	10.0	10.2	10.5	9.0	9.3	9.5
0601 - 1200	10.0	10.3	11.0	9.0	9.0	9.0	9.5	10.0	10.5	9.0	9.3	10.0
1201 - 1800	11.5	12.2	13.0	10.0	10.5	11.0	11.5	12.0	12.5	10.5	11.0	11.5
1801 - 2400	12.5	12.8	13.0	10.5	10.8	11.0	11.5	11.7	12.0	10.5	10.8	11.0
DAILY VALUE	10.0	11.6	13.0	9.0	10.0	11.0	9.5	11.0	12.5	9.0	10.1	11.5
0001 - 0600	11.0	11.5	12.0	8.5	9.3	10.0	10.0	10.5	11.0	8.5	9.0	9.5
0601 - 1200	10.5	11.0	11.5	8.5	9.0	9.5	10.0	10.0	10.0	8.0	8.3	9.0
1201 - 1800	12.0	12.8	13.5	11.0	11.8	12.5	11.0	11.7	12.0	9.5	9.7	10.0
1801 - 2400	12.5	12.7	13.0	12.0	12.5	13.0	12.0	12.0	12.0	10.0	10.0	10.0
DAILY VALUE	10.5	12.0	13.5	8.5	10.7	13.0	10.0	11.0	12.0	8.0	9.2	10.0
0001 - 0600	10.0	10.8	11.5	10.5	11.0	11.5	11.0	11.2	11.5	9.0	9.2	9.5
0601 - 1200	10.0	10.5	11.0	10.0	10.7	11.5	11.0	11.2	11.5	8.5	8.5	8.5
1201 - 1800	12.0	12.5	13.0	12.5	13.3	14.0	12.0	12.5	13.0	8.5	8.5	8.5
1801 - 2400	12.5	12.7	13.0	13.5	13.8	14.0	12.5	12.8	13.0	9.0	9.0	9.0
DAILY VALUE	10.0	11.6	13.0	10.0	12.2	14.0	11.0	11.9	13.0	8.5	8.8	9.5
0001 - 0600	10.5	11.3	12.0	11.5	12.3	13.0	11.0	11.5	12.0	8.5	8.5	8.5
0601 - 1200	10.5	10.8	11.5	11.5	11.7	12.0	10.5	10.7	11.0	8.5	8.5	8.5
1201 - 1800	12.0	12.7	13.0	12.5	12.5	12.5	12.0	12.3	12.5	9.0	9.0	9.0
1801 - 2400	13.0	13.2	13.5	12.5	12.5	12.5	12.5	12.5	12.5	8.5	8.7	9.0
DAILY VALUE	10.5	12.0	13.5	11.5	12.2	13.0	10.5	11.7	12.5	8.5	8.7	9.0
0001 - 0600	11.5	12.0	12.5	10.5	11.3	12.0	12.0	12.2	12.5	8.0	8.0	8.0
0601 - 1200	11.5	11.5	11.5	10.5	10.7	11.0	11.5	11.7	12.0	8.0	8.0	8.0
1201 - 1800	12.0	12.0	12.0	11.0	11.0	11.0	12.0	12.3	12.5	9.0	9.0	9.0
1801 - 2400	11.0	11.5	12.0	10.5	10.8	11.0	12.0	12.3	12.5	8.5	8.8	9.0
DAILY VALUE	11.0	11.7	12.5	10.5	11.0	12.0	11.5	12.1	12.5	8.0	8.5	9.0
0001 - 0600	10.0	10.2	10.5	9.0	9.5	10.0	11.0	11.5	12.0	MONTHLY VALUE		
0601 - 1200	9.5	9.7	10.0	8.5	8.7	9.0	11.0	11.0	11.0			
1201 - 1800	10.0	10.3	10.5	10.0	10.7	11.0	11.5	11.8	12.0			
1801 - 2400	10.0	10.3	10.5	10.5	10.8	11.0	11.0	11.3	11.5	8.0 --- 14.0		
DAILY VALUE	9.5	10.1	10.5	8.5	9.9	11.0	11.0	11.4	12.0			

Appendix Table 4-C-24 Cont.

- SEPTEMBER 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	8.0	8.2	8.5	7.0	7.2	7.5	6.0	6.5	7.0	4.0	4.0	4.0
0601 - 1200	7.5	7.8	8.0	7.0	7.0	7.0	5.5	5.8	6.0	3.5	3.7	4.0
1201 - 1800	9.0	9.2	9.5	7.0	7.5	8.0	6.0	6.5	7.0	4.5	4.8	5.0
1801 - 2400	8.0	8.8	9.5	7.0	7.3	7.5	6.5	6.5	6.5	5.0	5.0	5.0
DAILY VALUE	7.5	8.5	9.5	7.0	7.2	8.0	5.5	6.3	7.0	3.5	4.4	5.0
0001 - 0600	7.5	7.7	8.0	6.0	6.5	7.0	6.0	6.2	6.5	4.5	4.7	5.0
0601 - 1200	7.0	7.3	8.0	6.0	6.0	6.0	5.5	5.7	6.0	4.0	4.2	4.5
1201 - 1800	8.5	8.5	8.5	6.5	7.0	7.5	6.0	6.0	6.0	4.5	4.8	5.0
1801 - 2400	8.5	8.5	8.5	7.0	7.2	7.5	6.0	6.0	6.0	4.5	4.8	5.0
DAILY VALUE	7.0	8.0	8.5	6.0	6.7	7.5	5.5	6.0	6.5	4.0	4.6	5.0
0001 - 0600	7.5	7.8	8.0	5.5	6.2	7.0	5.5	5.8	6.0	4.0	4.2	4.5
0601 - 1200	7.5	7.5	7.5	5.5	5.7	6.0	5.5	5.5	5.5	4.0	4.0	4.0
1201 - 1800	8.0	8.0	8.0	6.0	6.2	6.5	6.0	6.0	6.0	4.0	----	4.0
1801 - 2400	7.5	7.7	8.0	5.5	5.8	6.0	6.0	6.0	6.0	----	----	----
DAILY VALUE	7.5	7.7	8.0	5.5	6.0	7.0	5.5	5.8	6.0	4.0	----	4.5
0001 - 0600	6.5	6.8	7.0	4.0	4.5	5.0	5.0	5.5	6.0	----	----	----
0601 - 1200	6.5	6.7	7.0	4.0	4.2	4.5	5.0	5.0	5.0	----	----	----
1201 - 1800	7.0	7.2	7.5	5.0	5.2	5.5	5.5	5.5	5.5	----	----	----
1801 - 2400	7.0	7.2	7.5	5.5	5.5	5.5	5.5	5.5	5.5	----	----	----
DAILY VALUE	6.5	7.0	7.5	4.0	4.8	5.5	5.0	5.4	6.0	----	----	----
0001 - 0600	6.0	6.3	6.5	5.5	5.5	5.5	5.0	5.3	5.5	----	----	----
0601 - 1200	6.0	6.2	6.5	5.0	5.0	5.0	5.0	5.0	5.0	----	----	----
1201 - 1800	7.5	7.8	8.0	5.5	5.7	6.0	5.5	5.8	6.0	----	----	----
1801 - 2400	7.5	7.8	8.0	5.5	5.7	6.0	6.0	6.0	6.0	----	----	----
DAILY VALUE	6.0	7.0	8.0	5.0	5.5	6.0	5.0	5.5	6.0	----	----	----
0001 - 0600	7.0	7.3	7.5	5.5	5.5	5.5	5.0	5.2	5.5	----	----	----
0601 - 1200	6.5	6.7	7.0	5.5	5.7	6.0	4.5	4.7	5.0	----	----	----
1201 - 1800	7.5	7.8	8.0	6.0	6.3	6.5	5.5	5.5	5.5	----	----	----
1801 - 2400	8.0	8.0	8.0	6.5	6.5	6.5	5.0	5.2	5.5	----	----	----
DAILY VALUE	6.5	7.5	8.0	5.5	6.0	6.5	4.5	5.1	5.5	----	----	----
0001 - 0600	7.5	7.7	8.0	6.0	6.0	6.0	4.0	4.5	5.0	----	----	----
0601 - 1200	7.5	7.7	8.0	6.0	6.2	6.5	4.0	4.2	4.5	----	----	----
1201 - 1800	8.0	8.0	8.0	7.5	7.8	8.0	5.0	5.3	5.5	----	----	----
1801 - 2400	8.0	8.0	8.0	8.0	8.0	8.0	4.5	5.0	5.5	----	----	----
DAILY VALUE	7.5	7.8	8.0	6.0	7.0	8.0	4.0	4.7	5.5	----	----	----
0001 - 0600	7.5	7.5	7.5	7.0	7.2	7.5	3.0	3.3	4.0	MONTHLY VALUE		
0601 - 1200	7.0	7.2	7.5	6.0	6.2	6.5	2.0	2.5	3.0			
1201 - 1800	7.5	7.5	7.5	6.5	6.8	7.0	3.5	3.7	4.0			
1801 - 2400	7.5	7.5	7.5	7.0	7.0	7.0	4.0	4.0	4.0			
DAILY VALUE	7.0	7.4	7.5	6.0	6.8	7.5	2.0	3.4	4.0	2.0	6.2	9.5

4-C-90

Table 4-6-9 Datapod intragravel and surface water temperature (C) continuous record, at Slough 8A-Mouth, RM 125.4, Geocode S30N03W30BCD.
Note, that time periods are six hours and three minutes in duration; accordingly, daily minimum, maximum and mean values can not be directly calculated from this data.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820821 - 820821	0604 - 1206	6.5	6.6	6.7	8.0	8.8	9.8
820821 - 820821	1207 - 1809	6.4	6.5	6.6	7.8	9.3	12.0
820821 - 820822	1810 - 0012	6.5	6.6	6.7	12.1	13.9	14.7
820822 - 820822	0013 - 0615	6.8	6.8	6.8	9.6	11.5	13.9
820822 - 820822	0616 - 1218	6.5	6.7	6.8	8.0	8.9	9.7
820822 - 820822	1219 - 1821	6.5	6.6	6.6	8.2	9.8	12.5
820822 - 820823	1822 - 0024	6.6	6.7	6.8	12.5	14.1	14.8
820823 - 820823	0025 - 0627	6.8	6.8	6.8	10.7	11.7	13.8
820823 - 820823	0628 - 1230	6.6	6.7	6.8	10.0	10.3	10.7
820823 - 820823	1231 - 1833	6.6	6.6	6.7	9.8	10.4	11.5
820823 - 820824	1834 - 0036	6.7	6.7	6.8	11.6	12.3	12.7
820824 - 820824	0037 - 0639	6.7	6.7	6.8	10.0	10.8	12.2
820824 - 820824	0640 - 1242	6.6	6.6	6.7	9.1	9.5	10.0
820824 - 820824	1243 - 1845	6.5	6.6	6.7	9.2	10.2	11.8
820824 - 820825	1846 - 0048	6.6	6.7	6.8	11.9	12.6	12.9
820825 - 820825	0049 - 0651	6.7	6.8	6.8	10.0	11.1	12.5
820825 - 820825	0652 - 1254	6.8	6.8	6.8	9.5	9.8	10.1
820825 - 820825	1255 - 1857	6.7	6.8	6.8	9.4	9.9	11.0
820825 - 820826	1858 - 0100	6.7	6.8	6.8	11.1	12.5	13.2
820826 - 820826	0101 - 0703	6.8	6.8	6.9	9.7	11.0	12.6
820826 - 820826	0704 - 1306	6.8	6.8	6.9	9.3	9.4	9.7
820826 - 820826	1307 - 1909	6.7	6.8	6.8	9.3	10.4	12.6
820826 - 820827	1910 - 0112	6.7	6.9	7.0	12.7	14.1	14.8
820827 - 820827	0113 - 0715	6.9	7.0	7.1	9.7	11.5	14.0
820827 - 820827	0716 - 1318	6.7	6.8	6.9	7.8	8.7	9.7
820827 - 820827	1319 - 1921	6.6	6.7	6.8	7.8	10.2	13.4
820827 - 820828	1922 - 0124	6.6	6.8	6.8	13.0	14.1	14.6

APPENDIX Table 4-C-25 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820828 - 820828	0125 - 0727	6.8	6.8	6.8	9.3	10.8	13.0
820828 - 820828	0728 - 1330	6.6	6.7	6.8	8.2	8.5	9.3
820828 - 820828	1331 - 1933	6.5	6.6	6.6	8.3	9.1	10.8
820828 - 820829	1934 - 0136	6.6	6.7	6.7	10.8	11.5	12.0
820829 - 820829	0137 - 0739	6.6	6.7	6.7	9.0	9.9	11.2
820829 - 820829	0740 - 1342	6.5	6.6	6.7	8.6	8.8	9.0
820829 - 820829	1343 - 1945	6.5	6.5	6.5	8.6	9.3	10.0
820829 - 820830	1946 - 0148	6.5	6.6	6.6	9.8	10.2	10.4
820830 - 820830	0149 - 0751	6.6	6.6	6.6	8.7	9.2	9.9
820830 - 820830	0752 - 1354	6.5	6.5	6.6	8.3	8.5	8.7
820830 - 820830	1355 - 1957	6.5	6.5	6.6	8.3	8.5	8.7
820830 - 820831	1958 - 0200	6.5	6.6	6.6	8.7	8.9	9.0
820831 - 820831	0201 - 0803	6.6	6.6	6.6	8.0	8.3	8.8
820831 - 820831	0804 - 1406	6.5	6.6	6.6	7.7	7.9	8.1
820831 - 820831	1407 - 2009	6.5	6.5	6.6	7.7	8.2	9.0
820831 - 820901	2010 - 0212	6.5	6.6	6.7	8.9	9.4	9.7
820901 - 820901	0213 - 0815	6.6	6.7	6.7	8.3	8.6	8.9
820901 - 820901	0816 - 1418	6.5	6.6	6.6	7.7	8.0	8.3
820901 - 820901	1419 - 2021	6.5	6.6	6.6	8.0	8.9	10.0
820901 - 820902	2022 - 0224	6.6	6.7	6.7	9.8	10.1	10.4
820902 - 820902	0225 - 0827	6.7	6.7	6.8	8.1	8.8	9.8
820902 - 820902	0828 - 1430	6.5	6.6	6.7	7.1	7.5	8.2
820902 - 820902	1431 - 2033	6.4	6.4	6.5	7.1	7.8	9.2
820902 - 820903	2034 - 0236	6.4	6.4	6.4	8.9	9.4	9.9
820903 - 820903	0237 - 0839	6.3	6.4	6.4	8.0	8.6	8.9
820903 - 820903	0840 - 1442	6.3	6.3	6.4	7.3	7.6	8.1
820903 - 820903	1443 - 2045	6.2	6.3	6.3	7.3	7.6	8.3
820903 - 820904	2046 - 0248	6.2	6.3	6.3	7.6	8.2	8.5

Table 4-12 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820904 - 820904	0249 - 0851	6.3	6.3	6.4	6.8	7.3	7.7
820904 - 820904	0852 - 1454	6.2	6.3	6.3	6.4	6.6	6.8
820904 - 820904	1455 - 2057	6.2	6.2	6.2	6.5	7.5	8.5
820904 - 820905	2058 - 0300	6.2	6.2	6.3	7.8	8.5	9.0
820905 - 820905	0301 - 0903	6.2	6.3	6.3	6.7	7.3	7.8
820905 - 820905	0904 - 1506	6.2	6.2	6.3	6.3	6.5	6.8
820905 - 820905	1507 - 2109	6.1	6.2	6.2	6.7	7.7	8.3
820905 - 820906	2110 - 0312	6.1	6.2	6.2	7.8	8.2	8.4
820906 - 820906	0313 - 0915	6.2	6.2	6.3	7.0	7.4	7.8
820906 - 820906	0916 - 1518	6.2	6.2	6.2	6.5	6.8	7.1
820906 - 820906	1519 - 2121	6.2	6.2	6.3	6.9	7.6	7.8
820906 - 820907	2122 - 0324	6.2	6.3	6.3	7.4	7.7	7.9
820907 - 820907	0325 - 0927	6.2	6.3	6.3	7.0	7.3	7.5
820907 - 820907	0928 - 1530	6.2	6.2	6.3	6.8	7.0	7.5
820907 - 820907	1531 - 2133	6.2	6.2	6.3	7.5	8.9	9.8
820907 - 820908	2134 - 0336	6.3	6.3	6.3	8.5	8.9	9.6
820908 - 820908	0337 - 0939	6.3	6.3	6.4	7.9	8.2	8.6
820908 - 820908	0940 - 1542	6.2	6.3	6.3	7.5	7.7	8.1
820908 - 820908	1543 - 2145	6.3	6.3	6.3	8.2	8.7	8.9
820908 - 820909	2146 - 0348	6.3	6.3	6.4	8.0	8.3	8.7
820909 - 820909	0349 - 0951	6.3	6.3	6.3	7.6	7.8	7.9
820909 - 820909	0952 - 1554	6.3	6.3	6.3	7.3	7.4	7.6
820909 - 820909	1555 - 2157	6.3	6.3	6.3	7.6	8.4	9.1
820909 - 820910	2158 - 0400	6.3	6.3	6.4	7.8	8.5	9.1
820910 - 820910	0401 - 1003	6.3	6.3	6.4	7.2	7.4	7.7
820910 - 820910	1004 - 1606	6.2	6.3	6.4	6.9	7.1	7.6
820910 - 820910	1607 - 2209	6.2	6.3	6.3	7.7	8.5	8.9
820910 - 820911	2210 - 0412	6.2	6.3	6.3	7.5	8.2	8.9

APPENDIX Table 4-C-25 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820911 - 820911	0413 - 1015	6.2	6.3	6.3	6.9	7.2	7.5
820911 - 820911	1016 - 1618	6.1	6.2	6.2	6.7	6.8	7.0
820911 - 820911	1619 - 2221	6.1	6.1	6.2	6.9	7.2	7.4
820911 - 820912	2222 - 0424	6.1	6.1	6.2	6.3	6.8	7.2
820912 - 820912	0425 - 1027	6.1	6.1	6.2	5.5	5.8	6.2
820912 - 820912	1028 - 1630	6.0	6.1	6.1	5.3	5.7	7.2
820912 - 820912	1631 - 2233	6.0	6.1	6.1	7.3	8.0	8.5
820912 - 820913	2234 - 0436	6.1	6.1	6.1	6.4	6.8	7.5
820913 - 820913	0437 - 1039	6.1	6.1	6.2	5.9	6.2	6.4
820913 - 820913	1040 - 1642	6.1	6.1	6.1	5.8	5.9	6.1
820913 - 820913	1643 - 2245	6.0	6.1	6.1	5.9	6.4	6.6
820913 - 820914	2246 - 0448	6.0	6.1	6.1	6.3	6.4	6.6
820914 - 820914	0449 - 1051	6.1	6.1	6.1	6.1	6.3	6.4
820914 - 820914	1052 - 1654	6.0	6.0	6.1	6.1	6.2	6.5
820914 - 820914	1655 - 2257	6.0	6.0	6.0	6.5	6.7	6.8
820914 - 820915	2258 - 0500	6.0	6.0	6.0	6.6	6.7	6.8
820915 - 820915	0501 - 1103	6.0	6.0	6.0	6.3	6.5	6.6
820915 - 820915	1104 - 1706	6.0	6.0	6.1	6.3	6.6	7.3
820915 - 820915	1707 - 2309	6.0	6.0	6.1	7.3	8.1	8.4
820915 - 820916	2310 - 0512	6.0	6.1	6.1	7.4	7.6	8.0
820916 - 820916	0513 - 1115	6.0	6.0	6.1	7.3	7.4	7.4
820916 - 820916	1116 - 1718	5.9	5.9	6.0	7.3	7.4	7.8
820916 - 820916	1719 - 2321	6.0	6.0	6.0	7.6	8.0	8.1
820916 - 820917	2322 - 0524	6.0	6.0	6.0	7.0	7.2	7.6
820917 - 820917	0525 - 1127	5.9	6.0	6.0	6.7	6.9	7.0
820917 - 820917	1128 - 1730	5.9	6.0	6.0	6.6	6.7	6.8
820917 - 820917	1731 - 2333	5.9	5.9	6.0	6.7	6.8	6.8
820917 - 820918	2334 - 0536	5.9	6.0	6.0	6.0	6.4	6.7

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Table 4-C-95 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820918 - 820918	0537 - 1139	5.9	6.0	6.0	5.6	5.8	6.0
820918 - 820918	1140 - 1742	5.8	5.9	6.0	5.5	5.8	6.4
820918 - 820918	1743 - 2345	5.9	5.9	5.9	6.4	6.7	6.8
820918 - 820919	2346 - 0548	5.9	5.9	5.9	5.9	6.3	6.6
820919 - 820919	0549 - 1151	5.8	5.9	5.9	5.6	5.7	5.9
820919 - 820919	1152 - 1754	5.8	5.9	5.9	5.6	5.8	6.1
820919 - 820919	1755 - 2357	5.9	5.9	6.0	6.0	6.2	6.3
820919 - 820920	2358 - 0600	5.9	5.9	5.9	5.8	6.0	6.2
820920 - 820920	0601 - 1203	5.9	5.9	6.0	5.6	5.7	5.8
820920 - 820920	1204 - 1806	5.9	5.9	6.0	5.6	5.8	6.3
820920 - 820921	1807 - 0009	5.9	5.9	5.9	6.3	6.4	6.5
820921 - 820921	0010 - 0612	5.9	5.9	5.9	5.6	6.0	6.3
820921 - 820921	0613 - 1215	5.9	5.9	6.0	5.4	5.5	5.6
820921 - 820921	1216 - 1818	5.9	5.9	6.0	5.4	5.6	5.9
820921 - 820922	1819 - 0021	5.9	5.9	5.9	5.9	6.1	6.2
820922 - 820922	0022 - 0624	5.9	5.9	6.0	5.6	5.8	6.1
820922 - 820922	0625 - 1227	5.9	6.0	6.0	5.3	5.4	5.6
820922 - 820922	1228 - 1830	5.9	6.0	6.0	5.3	5.4	5.9
820922 - 820923	1831 - 0033	5.9	6.0	6.0	5.9	6.3	6.5
820923 - 820923	0034 - 0636	6.0	6.0	6.1	4.7	5.2	5.9
820923 - 820923	0637 - 1239	6.0	6.0	6.0	3.9	4.3	4.6
820923 - 820923	1240 - 1842	5.9	6.0	6.0	3.9	4.5	5.6
820923 - 820924	1843 - 0045	5.9	6.0	6.1	5.3	5.7	5.9
820924 - 820924	0046 - 0648	6.0	6.1	6.1	3.8	4.5	5.4
820924 - 820924	0649 - 1251	6.0	6.1	6.1	2.9	3.3	3.8
820924 - 820924	1252 - 1854	6.0	6.0	6.1	2.9	3.7	4.9
820924 - 820925	1855 - 0057	6.0	6.1	6.1	4.9	5.1	5.2

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APPENDIX Table 4-C-25 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820925 - 820925	0058 - 0700	6.1	6.1	6.2	4.2	4.6	5.0
820925 - 820925	0701 - 1303	6.1	6.2	6.2	3.4	3.7	4.2
820925 - 820925	1304 - 1906	6.1	6.2	6.2	3.4	4.2	4.8
820925 - 820926	1907 - 0109	6.2	6.2	6.3	4.7	5.0	5.1
820926 - 820926	0110 - 0712	6.3	6.3	6.3	4.7	4.9	5.0
820926 - 820926	0713 - 1315	6.3	6.3	6.3	4.6	4.6	4.7
820926 - 820926	1316 - 1918	6.3	6.3	6.4	4.6	5.1	5.4
820926 - 820927	1919 - 0121	6.3	6.4	6.4	5.2	5.3	5.4
820927 - 820927	0122 - 0724	6.3	6.4	6.4	4.9	5.0	5.2
820927 - 820927	0725 - 1327	6.4	6.4	6.4	4.8	4.9	4.9
820927 - 820927	1328 - 1930	6.4	6.4	6.4	4.9	5.2	5.9
820927 - 820928	1931 - 0133	6.4	6.4	6.4	5.0	5.6	6.1
820928 - 820928	0134 - 0736	6.4	6.4	6.5	3.5	4.3	4.9
820928 - 820928	0737 - 1339	6.4	6.4	6.5	2.9	3.2	3.5
820928 - 820928	1340 - 1942	6.3	6.4	6.5	3.2	3.8	4.1
820928 - 820929	1943 - 0145	6.4	6.4	6.5	4.1	4.3	4.3
820929 - 820929	0146 - 0748	6.4	6.5	6.5	4.2	4.3	4.3
820929 - 820929	0749 - 1351	6.5	6.5	6.5	4.1	4.2	4.3
820929 - 820929	1352 - 1954	6.4	6.5	6.5	4.2	5.0	5.6
820929 - 820930	1955 - 0157	6.5	6.5	6.6	5.2	5.4	5.6
820930 - 820930	0158 - 0800	6.5	6.5	6.5	4.8	5.0	5.3
820930 - 820930	0801 - 1403	6.5	6.5	6.5	4.5	4.6	4.7
820930 - 820930	1404 - 2006	6.4	6.5	6.5	4.7	5.4	6.0
820930 - 821001	2007 - 0209	6.5	6.5	6.5	5.3	5.6	5.9
821001 - 821001	0210 - 0812	6.5	6.5	6.5	4.7	5.0	5.3
821001 - 821001	0813 - 1415	6.4	6.4	6.5	4.4	4.5	4.7
821001 - 821001	1416 - 2018	6.4	6.5	6.5	4.5	4.9	5.2
821001 - 821002	2019 - 0221	6.4	6.5	6.5	4.4	4.7	5.0

Table 47 - Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821002 - 821002	0222 - 0824	6.4	6.5	6.5	3.8	4.0	4.4
821002 - 821002	0825 - 1427	6.4	6.4	6.5	3.5	3.7	3.9
821002 - 821002	1428 - 2030	6.4	6.5	6.5	4.0	5.0	5.6
821002 - 821003	2031 - 0233	6.4	6.5	6.5	4.2	4.8	5.5
821003 - 821003	0234 - 0836	6.4	6.4	6.5	3.5	3.8	4.2
821003 - 821003	0837 - 1439	6.4	6.4	6.5	3.1	3.3	3.5
821003 - 821003	1440 - 2042	6.4	6.5	6.5	3.4	4.6	5.2
821003 - 821004	2043 - 0245	6.4	6.5	6.5	3.6	4.2	4.8
821004 - 821004	0246 - 0848	6.4	6.4	6.5	2.6	3.0	3.7
821004 - 821004	0849 - 1451	6.4	6.4	6.5	2.1	2.3	2.6
821004 - 821004	1452 - 2054	6.4	6.4	6.5	2.5	4.0	4.6
821004 - 821005	2055 - 0257	6.4	6.4	6.5	2.5	3.1	4.0
821005 - 821005	0258 - 0900	6.3	6.4	6.4	1.9	2.2	2.6
821005 - 821005	0901 - 1503	6.3	6.4	6.4	1.8	2.1	3.7
821005 - 821005	1504 - 2106	6.4	6.4	6.5	2.2	3.4	4.2
821005 - 821006	2107 - 0309	6.4	6.4	6.5	2.1	2.5	3.2
821006 - 821006	0310 - 0912	6.3	6.4	6.4	1.4	1.7	2.2
821006 - 821006	0913 - 1515	6.3	6.4	6.4	1.4	1.8	2.4
821006 - 821006	1516 - 2118	6.3	6.4	6.4	2.4	3.1	3.3
821006 - 821007	2119 - 0321	6.3	6.4	6.4	2.6	2.7	3.0
821007 - 821007	0322 - 0924	6.3	6.3	6.4	2.4	2.5	2.7
821007 - 821007	0925 - 1527	6.3	6.3	6.3	1.7	2.1	2.4
821007 - 821007	1528 - 2130	6.3	6.3	6.3	1.8	2.3	2.7
821007 - 821008	2131 - 0333	6.2	6.3	6.3	2.1	2.3	2.6
821008 - 821008	0334 - 0936	6.2	6.3	6.3	1.5	1.9	2.3
821008 - 821008	0937 - 1539	6.2	6.3	6.3	1.6	2.0	2.7
821008 - 821008	1540 - 2142	6.2	6.2	6.3	2.7	3.1	3.5
821008 - 821009	2143 - 0345	6.2	6.3	6.3	1.2	2.0	2.7

Table 4-1 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821009 - 821009	0346 - 0948	6.2	6.2	6.2	1.3	1.6	1.8
821009 - 821009	0949 - 1551	6.2	6.2	6.2	1.6	2.1	2.9
821009 - 821009	1552 - 2154	6.1	6.2	6.2	3.0	3.5	3.7
821009 - 821010	2155 - 0357	6.1	6.2	6.2	2.7	2.8	3.1
821010 - 821010	0358 - 1000	6.1	6.2	6.2	2.5	2.7	2.9
821010 - 821010	1001 - 1603	6.1	6.1	6.2	2.4	2.7	3.2
821010 - 821010	1604 - 2206	6.1	6.1	6.1	2.6	2.9	3.3
821010 - 821011	2207 - 0409	6.0	6.1	6.1	2.2	2.3	2.6
821011 - 821011	0410 - 1012	6.1	6.1	6.1	1.6	1.9	2.3
821011 - 821011	1013 - 1615	6.0	6.1	6.1	1.6	1.9	2.4
821011 - 821011	1616 - 2218	6.0	6.0	6.1	.7	2.1	2.7
821011 - 821012	2219 - 0421	6.0	6.1	6.1	.8	1.7	2.2
821012 - 821012	0422 - 1024	6.0	6.0	6.0	1.0	1.3	1.6
821012 - 821012	1025 - 1627	6.0	6.0	6.0	1.5	2.2	2.9
821012 - 821012	1628 - 2230	6.0	6.0	6.1	2.1	2.5	2.8
821012 - 821013	2231 - 0433	5.9	6.0	6.1	1.9	2.0	2.2
821013 - 821013	0434 - 1036	5.9	6.0	6.0	.9	1.3	1.9
821013 - 821013	1037 - 1639	5.9	5.9	5.9	1.1	1.6	2.9
821013 - 821013	1640 - 2242	5.9	5.9	5.9	1.5	1.9	2.4
821013 - 821014	2243 - 0445	5.9	5.9	6.0	1.8	2.0	2.2
821014 - 821014	0446 - 1048	5.9	5.9	5.9	1.6	2.0	2.3
821014 - 821014	1049 - 1651	5.8	5.9	5.9	1.5	2.9	4.9
821014 - 821014	1652 - 2254	5.8	5.9	5.9	2.2	3.3	4.8
821014 - 821015	2255 - 0457	5.8	5.9	5.9	1.5	2.0	2.4
821015 - 821015	0458 - 1100	5.8	5.9	5.9	1.3	1.6	1.8
821015 - 821015	1101 - 1703	5.8	5.9	5.9	1.3	1.8	3.0
821015 - 821015	1704 - 2306	5.8	5.8	5.9	1.5	2.4	3.0
821015 - 821016	2307 - 0509	5.7	5.8	5.8	1.3	1.6	1.9

Table 4-25 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821016 - 821016	0510 - 1112	5.7	5.8	5.8	1.3	1.6	1.8
821016 - 821016	1113 - 1715	5.6	5.7	5.7	1.1	1.5	1.8
821016 - 821016	1716 - 2318	5.6	5.7	5.7	1.0	1.3	1.6
821016 - 821017	2319 - 0521	5.6	5.7	5.7	1.1	1.3	1.5
821017 - 821017	0522 - 1124	5.6	5.7	5.7	1.4	1.6	1.8
821017 - 821017	1125 - 1727	5.6	5.6	5.7	1.6	2.2	2.8
821017 - 821017	1728 - 2330	5.6	5.6	5.7	1.7	2.4	2.9
821017 - 821018	2331 - 0533	5.6	5.6	5.6	1.1	1.6	1.8
821018 - 821018	0534 - 1136	5.6	5.6	5.6	1.1	1.3	1.7
821018 - 821018	1137 - 1739	5.5	5.6	5.6	.9	2.2	3.2
821018 - 821018	1740 - 2342	5.5	5.6	5.6	1.9	2.4	3.2
821018 - 821019	2343 - 0545	5.5	5.6	5.6	1.8	2.0	2.2
821019 - 821019	0546 - 1148	5.5	5.5	5.6	1.0	1.7	2.2
821019 - 821019	1149 - 1751	5.5	5.5	5.6	1.1	1.4	1.8
821019 - 821019	1752 - 2354	5.4	5.5	5.5	1.7	1.9	2.1
821019 - 821020	2355 - 0557	5.5	5.5	5.6	1.6	1.8	2.0
821020 - 821020	0558 - 1200	5.4	5.5	5.5	1.5	1.8	2.0
821020 - 821020	1201 - 1803	5.4	5.5	5.5	1.7	2.2	2.6
821020 - 821021	1804 - 0006	5.4	5.5	5.5	1.2	1.8	2.6
821021 - 821021	0007 - 0609	5.3	5.4	5.5	1.2	1.4	1.6
821021 - 821021	0610 - 1212	5.4	5.4	5.5	1.2	1.4	1.5
821021 - 821021	1213 - 1815	5.3	5.4	5.4	1.3	1.7	2.0
821021 - 821022	1816 - 0018	5.3	5.4	5.4	1.3	1.6	1.9
821022 - 821022	0019 - 0621	5.3	5.4	5.4	1.2	1.4	1.6
821022 - 821022	0622 - 1224	5.3	5.4	5.4	1.2	1.4	1.5
821022 - 821022	1225 - 1827	5.3	5.3	5.4	1.3	1.7	2.1
821022 - 821023	1828 - 0030	5.2	5.3	5.4	1.2	1.5	1.9
821023 - 821023	0031 - 0633	5.2	5.3	5.4	1.2	1.3	1.5

Table 4/-C-25 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821023 - 821023	0634 - 1236	5.3	5.3	5.3	1.3	1.5	1.8
821023 - 821023	1237 - 1839	5.2	5.3	5.3	1.6	1.9	2.2
821023 - 821024	1840 - 0042	5.2	5.2	5.3	1.7	1.8	2.1
821024 - 821024	0043 - 0645	5.1	5.2	5.2	1.7	1.8	2.0
821024 - 821024	0646 - 1248	5.1	5.2	5.2	2.0	2.1	2.5
821024 - 821024	1249 - 1851	5.1	5.2	5.2	2.0	2.5	2.8
821024 - 821025	1852 - 0054	5.1	5.1	5.2	2.2	2.3	2.5
821025 - 821025	0055 - 0657	5.0	5.1	5.1	2.2	2.4	2.7
821025 - 821025	0658 - 1300	5.0	5.0	5.1	2.3	2.5	2.8

Table 4 C (C) Datapod intragravel and surface water temperature (C) continuous record, at Slough 8A-Upper, RM 126.4, Geocode S30N03W20CDD.
Note, that time periods are six hours and three minutes in duration; accordingly, daily minimum, maximum and mean values can not be directly calculated from this data.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820821 - 820821	0604 - 1206	4.7	4.7	4.8	5.0	5.2	5.5
820821 - 820821	1207 - 1809	4.7	4.7	4.8	5.0	5.3	6.4
820821 - 820822	1810 - 0012	4.7	4.8	4.8	6.5	8.5	9.4
820822 - 820822	0013 - 0615	4.7	4.8	4.8	5.4	6.0	7.2
820822 - 820822	0616 - 1218	4.7	4.7	4.8	4.9	5.1	5.4
820822 - 820822	1219 - 1821	4.7	4.7	4.8	5.0	5.3	6.3
820822 - 820823	1822 - 0024	4.7	4.8	4.8	6.4	8.1	9.3
820823 - 820823	0025 - 0627	4.7	4.8	4.8	5.8	6.1	6.8
820823 - 820823	0628 - 1230	4.7	4.8	4.8	5.6	5.8	5.9
820823 - 820823	1231 - 1833	4.7	4.8	4.8	5.7	6.3	7.2
820823 - 820824	1834 - 0036	4.7	4.8	4.8	6.2	7.2	7.7
820824 - 820824	0037 - 0639	4.7	4.8	4.8	5.6	5.9	6.3
820824 - 820824	0640 - 1242	4.8	4.8	4.8	5.4	5.6	5.8
820824 - 820824	1243 - 1845	4.8	4.8	4.8	5.5	6.0	7.3
820824 - 820825	1846 - 0048	4.7	4.8	4.8	6.4	7.6	8.5
820825 - 820825	0049 - 0651	4.8	4.8	4.8	5.8	6.0	6.4
820825 - 820825	0652 - 1254	4.8	4.8	4.8	5.6	5.7	5.9
820825 - 820825	1255 - 1857	4.8	4.8	4.8	5.5	6.1	6.8
820825 - 820826	1858 - 0100	4.7	4.8	4.8	6.0	7.3	8.6
820826 - 820826	0101 - 0703	4.8	4.8	4.8	5.6	5.8	6.2
820826 - 820826	0704 - 1306	4.7	4.8	4.8	5.5	5.6	5.7
820826 - 820826	1307 - 1909	4.8	4.8	4.8	5.7	6.4	8.1
820826 - 820827	1910 - 0112	4.8	4.8	4.9	6.1	8.1	9.7
820827 - 820827	0113 - 0715	4.7	4.8	4.9	5.3	5.7	6.3
820827 - 820827	0716 - 1318	4.8	4.8	4.8	4.9	5.1	5.4
820827 - 820827	1319 - 1921	4.7	4.8	4.8	5.0	5.6	7.8
820827 - 820828	1922 - 0124	4.8	4.9	4.9	6.0	7.6	9.2

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Table 4-C-26 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820828 - 820828	0125 - 0727	4.8	4.8	4.9	5.4	5.7	6.2
820828 - 820828	0728 - 1330	4.8	4.8	4.8	5.1	5.3	5.5
820828 - 820828	1331 - 1933	4.8	4.8	4.9	5.4	5.9	6.5
820828 - 820829	1934 - 0136	4.8	4.8	4.9	6.0	7.1	8.2
820829 - 820829	0137 - 0739	4.8	4.8	4.9	5.6	5.8	6.0
820829 - 820829	0740 - 1342	4.8	4.9	4.9	5.6	5.7	5.8
820829 - 820829	1343 - 1945	4.8	4.9	4.9	5.7	6.1	6.5
820829 - 820830	1946 - 0148	4.8	4.9	4.9	6.0	6.3	6.5
820830 - 820830	0149 - 0751	4.9	4.9	4.9	5.7	5.8	6.1
820830 - 820830	0752 - 1354	4.9	4.9	4.9	5.7	5.7	5.8
820830 - 820830	1355 - 1957	4.9	4.9	4.9	5.8	6.0	6.1
820830 - 820831	1958 - 0200	4.9	4.9	4.9	5.8	6.1	6.4
820831 - 820831	0201 - 0803	4.8	4.9	4.9	5.5	5.6	5.8
820831 - 820831	0804 - 1406	4.9	4.9	4.9	5.5	5.6	5.6
820831 - 820831	1407 - 2009	4.8	4.9	4.9	5.6	6.0	6.4
820831 - 820901	2010 - 0212	4.8	4.9	4.9	5.6	6.1	6.7
820901 - 820901	0213 - 0815	4.9	4.9	4.9	5.6	5.7	5.8
820901 - 820901	0816 - 1418	4.8	4.9	4.9	5.7	5.9	6.1
820901 - 820901	1419 - 2021	4.9	4.9	5.0	6.1	6.7	7.1
820901 - 820902	2022 - 0224	4.9	4.9	5.0	6.1	6.6	7.0
820902 - 820902	0225 - 0827	4.8	4.9	4.9	5.9	6.0	6.1
820902 - 820902	0828 - 1430	4.9	4.9	4.9	5.8	5.9	6.2
820902 - 820902	1431 - 2033	4.9	4.9	5.0	6.1	6.6	7.5
820902 - 820903	2034 - 0236	4.9	4.9	5.0	6.2	6.7	7.6
820903 - 820903	0237 - 0839	4.9	4.9	5.0	5.9	6.1	6.3
820903 - 820903	0840 - 1442	4.9	4.9	4.9	6.0	6.1	6.2
820903 - 820903	1443 - 2045	4.9	4.9	5.0	6.1	6.5	6.9
820903 - 820904	2046 - 0248	4.9	5.0	5.0	5.9	6.4	7.0

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Table 26 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820904 - 820904	0249 - 0851	4.9	4.9	4.9	5.6	5.9	6.0
820904 - 820904	0852 - 1454	4.9	4.9	5.0	5.5	5.6	5.8
820904 - 820904	1455 - 2057	4.9	4.9	5.0	5.5	6.5	7.1
820904 - 820905	2058 - 0300	4.9	5.0	5.0	5.6	6.4	7.1
820905 - 820905	0301 - 0903	4.9	4.9	5.0	5.2	5.5	5.9
820905 - 820905	0904 - 1506	4.9	5.0	5.0	5.3	5.5	5.9
820905 - 820905	1507 - 2109	4.9	5.0	5.0	5.8	6.5	6.8
820905 - 820906	2110 - 0312	5.0	5.0	5.0	5.9	6.3	6.7
820906 - 820906	0313 - 0915	5.0	5.0	5.0	5.6	5.8	5.9
820906 - 820906	0916 - 1518	4.9	5.0	5.0	5.4	5.6	6.0
820906 - 820906	1519 - 2121	5.0	5.0	5.0	5.9	6.2	6.4
820906 - 820907	2122 - 0324	5.0	5.0	5.1	5.7	6.0	6.3
820907 - 820907	0325 - 0927	5.0	5.1	5.1	5.5	5.7	5.9
820907 - 820907	0928 - 1530	5.0	5.0	5.1	5.5	5.8	6.2
820907 - 820907	1531 - 2133	5.0	5.1	5.1	6.1	6.7	7.3
820907 - 820908	2134 - 0336	5.0	5.1	5.1	5.7	6.0	6.7
820908 - 820908	0337 - 0939	5.1	5.1	5.1	5.5	5.6	5.8
820908 - 820908	0940 - 1542	5.1	5.1	5.2	5.5	5.7	6.2
820908 - 820908	1543 - 2145	5.1	5.2	5.2	6.1	6.3	6.5
820908 - 820909	2146 - 0348	5.1	5.2	5.2	5.6	5.9	6.3
820909 - 820909	0349 - 0951	5.1	5.1	5.2	5.5	5.6	5.7
820909 - 820909	0952 - 1554	5.1	5.2	5.2	5.5	5.6	5.8
820909 - 820909	1555 - 2157	5.1	5.2	5.2	5.8	6.3	6.7
820909 - 820910	2158 - 0400	5.1	5.2	5.2	5.5	5.9	6.5
820910 - 820910	0401 - 1003	5.2	5.2	5.2	5.4	5.6	5.6
820910 - 820910	1004 - 1606	5.1	5.2	5.2	5.4	5.7	6.1
820910 - 820910	1607 - 2209	5.2	5.2	5.3	6.1	6.4	6.5
820910 - 820911	2210 - 0412	5.2	5.2	5.3	5.4	5.8	6.3

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Table 4/ C-26 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820911 - 820911	0413 - 1015	5.2	5.3	5.3	5.4	5.5	5.6
820911 - 820911	1016 - 1618	5.2	5.3	5.3	5.4	5.6	5.8
820911 - 820911	1619 - 2221	5.2	5.2	5.2	5.7	6.0	6.2
820911 - 820912	2222 - 0424	5.2	5.2	5.3	5.1	5.5	6.0
820912 - 820912	0425 - 1027	5.2	5.3	5.3	5.0	5.1	5.2
820912 - 820912	1028 - 1630	5.2	5.3	5.3	5.0	5.2	5.3
820912 - 820912	1631 - 2233	5.2	5.3	5.3	5.3	6.3	6.8
820912 - 820913	2234 - 0436	5.2	5.3	5.3	5.4	5.6	6.0
820913 - 820913	0437 - 1039	5.2	5.2	5.2	5.3	5.4	5.5
820913 - 820913	1040 - 1642	5.2	5.2	5.3	5.3	5.5	5.7
820913 - 820913	1643 - 2245	5.2	5.3	5.3	5.6	5.8	6.2
820913 - 820914	2246 - 0448	5.2	5.2	5.3	5.5	5.7	5.8
820914 - 820914	0449 - 1051	5.2	5.2	5.2	5.5	5.7	5.8
820914 - 820914	1052 - 1654	5.2	5.2	5.3	5.5	5.8	6.3
820914 - 820914	1655 - 2257	5.3	5.3	5.3	6.0	6.2	6.3
820914 - 820915	2258 - 0500	5.2	5.2	5.3	5.8	6.0	6.2
820915 - 820915	0501 - 1103	5.2	5.2	5.2	5.7	5.9	6.1
820915 - 820915	1104 - 1706	5.2	5.2	5.3	5.8	6.2	6.9
820915 - 820915	1707 - 2309	5.2	5.2	5.3	6.8	7.3	7.7
820915 - 820916	2310 - 0512	5.3	5.3	5.3	6.2	6.7	7.1
820916 - 820916	0513 - 1115	5.2	5.3	5.3	5.9	6.2	6.5
820916 - 820916	1116 - 1718	5.2	5.2	5.3	5.9	6.3	7.3
820916 - 820916	1719 - 2321	5.2	5.3	5.3	7.0	7.7	8.3
820916 - 820917	2322 - 0524	5.2	5.2	5.3	6.1	6.4	7.0
820917 - 820917	0525 - 1127	5.2	5.2	5.3	5.8	6.0	6.2
820917 - 820917	1128 - 1730	5.2	5.2	5.3	5.8	5.9	6.3
820917 - 820917	1731 - 2333	5.2	5.2	5.2	5.9	6.1	6.3
820917 - 820918	2334 - 0536	5.2	5.2	5.2	5.5	5.6	5.9

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Table 4. Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820918 - 820918	0537 - 1139	5.1	5.2	5.2	5.3	5.4	5.5
820918 - 820918	1140 - 1742	5.1	5.1	5.2	5.4	5.9	6.5
820918 - 820918	1743 - 2345	5.1	5.2	5.2	6.1	6.3	6.5
820918 - 820919	2346 - 0548	5.1	5.1	5.2	5.6	5.8	6.1
820919 - 820919	0549 - 1151	5.1	5.1	5.1	5.5	5.5	5.6
820919 - 820919	1152 - 1754	5.1	5.1	5.2	5.5	5.7	6.0
820919 - 820919	1755 - 2357	5.1	5.2	5.2	5.7	5.9	6.0
820919 - 820920	2358 - 0600	5.1	5.1	5.1	5.5	5.6	5.7
820920 - 820920	0601 - 1203	5.1	5.1	5.1	5.5	5.5	5.6
820920 - 820920	1204 - 1806	5.1	5.1	5.1	5.5	5.8	6.1
820920 - 820921	1807 - 0009	5.1	5.2	5.2	5.7	6.0	6.2
820921 - 820921	0010 - 0612	5.1	5.1	5.1	5.5	5.6	5.7
820921 - 820921	0613 - 1215	5.1	5.1	5.1	5.3	5.4	5.5
820921 - 820921	1216 - 1818	5.1	5.1	5.2	5.4	5.7	6.0
820921 - 820922	1819 - 0021	5.1	5.1	5.1	5.6	5.8	6.0
820922 - 820922	0022 - 0624	5.1	5.1	5.1	5.4	5.5	5.6
820922 - 820922	0625 - 1227	5.0	5.1	5.1	5.3	5.4	5.5
820922 - 820922	1228 - 1830	5.0	5.1	5.1	5.4	5.6	6.0
820922 - 820923	1831 - 0033	5.0	5.1	5.1	5.2	5.9	6.5
820923 - 820923	0034 - 0636	5.1	5.1	5.1	4.9	5.1	5.3
820923 - 820923	0637 - 1239	5.1	5.1	5.1	4.7	4.9	5.0
820923 - 820923	1240 - 1842	5.0	5.1	5.1	4.8	5.4	6.8
820923 - 820924	1843 - 0045	5.0	5.1	5.1	5.0	5.9	6.8
820924 - 820924	0046 - 0648	5.0	5.1	5.1	4.6	4.8	5.0
820924 - 820924	0649 - 1251	5.0	5.0	5.1	4.3	4.6	4.7
820924 - 820924	1252 - 1854	5.0	5.0	5.1	4.5	5.4	6.2
820924 - 820925	1855 - 0057	5.0	5.1	5.1	5.2	5.6	6.0

Table 4-C-26 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821002 - 821002	0222 - 0824	4.8	4.8	4.9	4.8	4.9	5.0
821002 - 821002	0825 - 1427	4.8	4.8	4.9	4.8	4.9	5.1
821002 - 821002	1428 - 2030	4.8	4.8	4.9	5.1	5.7	5.9
821002 - 821003	2031 - 0233	4.8	4.8	4.9	4.7	5.1	5.6
821003 - 821003	0234 - 0836	4.8	4.8	4.8	4.8	4.9	4.9
821003 - 821003	0837 - 1439	4.8	4.8	4.8	4.7	4.8	4.9
821003 - 821003	1440 - 2042	4.8	4.8	4.8	4.9	5.4	5.9
821003 - 821004	2043 - 0245	4.7	4.8	4.8	4.7	5.1	5.5
821004 - 821004	0246 - 0848	4.7	4.8	4.8	4.5	4.6	4.8
821004 - 821004	0849 - 1451	4.7	4.8	4.8	4.4	4.6	4.6
821004 - 821004	1452 - 2054	4.7	4.8	4.8	4.6	5.4	6.0
821004 - 821005	2055 - 0257	4.7	4.8	4.8	4.5	4.8	5.3
821005 - 821005	0258 - 0900	4.7	4.8	4.8	4.3	4.5	4.6
821005 - 821005	0901 - 1503	4.7	4.7	4.8	4.3	4.5	4.7
821005 - 821005	1504 - 2106	4.7	4.7	4.8	4.6	5.3	5.8
821005 - 821006	2107 - 0309	4.7	4.7	4.8	4.6	4.7	5.0
821006 - 821006	0310 - 0912	4.7	4.7	4.8	4.3	4.5	4.6
821006 - 821006	0913 - 1515	4.7	4.7	4.8	4.3	4.6	5.0
821006 - 821006	1516 - 2118	4.7	4.7	4.7	5.0	5.2	5.4
821006 - 821007	2119 - 0321	4.6	4.7	4.7	4.7	4.8	5.1
821007 - 821007	0322 - 0924	4.7	4.7	4.7	4.7	4.7	4.7
821007 - 821007	0925 - 1527	4.7	4.7	4.7	4.5	4.6	4.7
821007 - 821007	1528 - 2130	4.7	4.7	4.7	4.6	4.8	5.1
821007 - 821008	2131 - 0333	4.7	4.7	4.7	4.6	4.7	4.8
821008 - 821008	0334 - 0936	4.7	4.7	4.7	4.0	4.4	4.6
821008 - 821008	0937 - 1539	4.7	4.7	4.7	4.1	4.5	5.1
821008 - 821008	1540 - 2142	4.7	4.7	4.7	4.8	5.2	5.5
821008 - 821009	2143 - 0345	4.7	4.7	4.7	3.9	4.3	4.8

Table 4/ C 76. Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820925 - 820925	0058 - 0700	5.0	5.0	5.1	4.9	5.0	5.2
820925 - 820925	0701 - 1303	5.0	5.0	5.1	4.7	4.8	4.9
820925 - 820925	1304 - 1906	5.0	5.0	5.1	4.8	5.3	5.8
820925 - 820926	1907 - 0109	5.0	5.0	5.1	5.3	5.5	5.7
820926 - 820926	0110 - 0712	5.0	5.0	5.1	5.2	5.2	5.4
820926 - 820926	0713 - 1315	5.0	5.0	5.0	5.2	5.2	5.3
820926 - 820926	1316 - 1918	5.0	5.0	5.1	5.3	5.5	5.8
820926 - 820927	1919 - 0121	5.0	5.0	5.1	5.3	5.4	5.5
820927 - 820927	0122 - 0724	5.0	5.0	5.0	5.2	5.2	5.3
820927 - 820927	0725 - 1327	5.0	5.0	5.0	5.2	5.2	5.3
820927 - 820927	1328 - 1930	5.0	5.0	5.0	5.3	5.5	5.8
820927 - 820928	1931 - 0133	4.9	5.0	5.0	4.9	5.4	6.0
820928 - 820928	0134 - 0736	4.9	4.9	5.0	4.4	4.8	4.9
820928 - 820928	0737 - 1339	4.9	5.0	5.0	4.6	4.7	4.9
820928 - 820928	1340 - 1942	4.9	4.9	5.0	4.7	5.2	5.5
820928 - 820929	1943 - 0145	4.9	4.9	5.0	5.0	5.2	5.3
820929 - 820929	0146 - 0748	4.9	4.9	5.0	5.0	5.1	5.2
820929 - 820929	0749 - 1351	4.9	4.9	5.0	5.0	5.1	5.2
820929 - 820929	1352 - 1954	4.9	4.9	5.0	5.2	5.6	5.9
820929 - 820930	1955 - 0157	4.9	4.9	5.0	5.2	5.4	5.6
820930 - 820930	0158 - 0800	4.9	4.9	4.9	5.1	5.2	5.3
820930 - 820930	0801 - 1403	4.8	4.9	4.9	5.0	5.1	5.2
820930 - 820930	1404 - 2006	4.8	4.9	4.9	5.2	5.7	6.0
820930 - 821001	2007 - 0209	4.8	4.9	4.9	5.2	5.4	5.7
821001 - 821001	0210 - 0812	4.8	4.9	4.9	5.1	5.1	5.2
821001 - 821001	0813 - 1415	4.9	4.9	4.9	5.0	5.1	5.3
821001 - 821001	1416 - 2018	4.8	4.8	4.9	5.2	5.4	5.6
821001 - 821002	2019 - 0221	4.8	4.9	4.9	4.9	5.1	5.4

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Table 4-C-26 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821009 - 821009	0346 - 0948	4.7	4.7	4.7	4.0	4.3	4.5
821009 - 821009	0949 - 1551	4.7	4.7	4.7	4.4	4.7	5.1
821009 - 821009	1552 - 2154	4.7	4.7	4.7	4.8	5.2	5.4
821009 - 821010	2155 - 0357	4.7	4.7	4.7	4.6	4.6	4.8
821010 - 821010	0358 - 1000	4.7	4.7	4.7	4.5	4.5	4.6
821010 - 821010	1001 - 1603	4.7	4.7	4.7	4.4	4.7	5.0
821010 - 821010	1604 - 2206	4.7	4.7	4.7	4.6	4.8	5.1
821010 - 821011	2207 - 0409	4.6	4.7	4.7	4.3	4.5	4.6
821011 - 821011	0410 - 1012	4.7	4.7	4.7	4.2	4.4	4.5
821011 - 821011	1013 - 1615	4.6	4.7	4.7	4.2	4.4	4.7
821011 - 821011	1616 - 2218	4.6	4.7	4.7	3.5	4.5	4.9
821011 - 821012	2219 - 0421	4.7	4.7	4.7	3.6	4.2	4.6
821012 - 821012	0422 - 1024	4.7	4.7	4.7	3.7	4.0	4.3
821012 - 821012	1025 - 1627	4.6	4.7	4.7	3.9	4.3	4.8
821012 - 821012	1628 - 2230	4.6	4.6	4.7	4.6	4.7	4.8
821012 - 821013	2231 - 0433	4.6	4.7	4.7	4.4	4.5	4.6
821013 - 821013	0434 - 1036	4.6	4.6	4.7	3.6	4.0	4.5
821013 - 821013	1037 - 1639	4.6	4.6	4.7	3.7	4.0	4.3
821013 - 821013	1640 - 2242	4.6	4.6	4.7	4.0	4.3	4.5
821013 - 821014	2243 - 0445	4.6	4.6	4.7	3.8	4.1	4.4
821014 - 821014	0446 - 1048	4.6	4.6	4.7	3.5	4.0	4.3
821014 - 821014	1049 - 1651	4.6	4.6	4.7	3.5	4.0	4.8
821014 - 821014	1652 - 2254	4.6	4.6	4.7	4.1	4.7	5.2
821014 - 821015	2255 - 0457	4.6	4.6	4.7	3.5	3.7	4.0
821015 - 821015	0458 - 1100	4.6	4.6	4.6	3.7	3.8	3.9
821015 - 821015	1101 - 1703	4.6	4.6	4.7	3.7	3.9	4.1
821015 - 821015	1704 - 2306	4.6	4.6	4.7	4.0	4.4	4.8
821015 - 821016	2307 - 0509	4.6	4.6	4.7	3.9	4.0	4.1

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Table 48.6 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821016 - 821016	0510 - 1112	4.6	4.7	4.7	4.0	4.1	4.2
821016 - 821016	1113 - 1715	4.6	4.6	4.6	4.0	4.1	4.3
821016 - 821016	1716 - 2318	4.6	4.6	4.7	4.0	4.1	4.3
821016 - 821017	2319 - 0521	4.6	4.7	4.7	3.9	4.1	4.2
821017 - 821017	0522 - 1124	4.6	4.7	4.7	4.1	4.2	4.3
821017 - 821017	1125 - 1727	4.6	4.6	4.7	4.2	4.6	5.2
821017 - 821017	1728 - 2330	4.6	4.6	4.7	4.0	4.7	5.3
821017 - 821018	2331 - 0533	4.6	4.7	4.7	3.9	4.0	4.1
821018 - 821018	0534 - 1136	4.6	4.6	4.7	3.9	4.0	4.1
821018 - 821018	1137 - 1739	4.6	4.6	4.7	3.9	4.3	4.6
821018 - 821018	1740 - 2342	4.6	4.6	4.6	4.1	4.4	4.8
821018 - 821019	2343 - 0545	4.6	4.6	4.6	4.1	4.2	4.3
821019 - 821019	0546 - 1148	4.6	4.6	4.6	3.8	4.1	4.3
821019 - 821019	1149 - 1751	4.6	4.6	4.6	3.8	4.1	4.4
821019 - 821019	1752 - 2354	4.6	4.6	4.6	4.1	4.3	4.5
821019 - 821020	2355 - 0557	4.6	4.6	4.7	3.9	4.1	4.2
821020 - 821020	0558 - 1200	4.6	4.6	4.7	3.9	4.1	4.2
821020 - 821020	1201 - 1803	4.6	4.6	4.7	4.0	4.4	4.7
821020 - 821021	1804 - 0006	4.6	4.6	4.7	3.9	4.2	4.7
821021 - 821021	0007 - 0609	4.6	4.6	4.6	3.8	3.9	4.0
821021 - 821021	0610 - 1212	4.6	4.6	4.6	3.9	4.0	4.1
821021 - 821021	1213 - 1815	4.6	4.6	4.7	4.0	4.2	4.4
821021 - 821022	1816 - 0018	4.6	4.6	4.7	3.9	4.1	4.4
821022 - 821022	0019 - 0621	4.6	4.6	4.6	3.9	4.0	4.1
821022 - 821022	0622 - 1224	4.6	4.6	4.6	3.8	3.9	4.0
821022 - 821022	1225 - 1827	4.6	4.6	4.6	4.0	4.2	4.4
821022 - 821023	1828 - 0030	4.6	4.6	4.6	3.9	4.1	4.4
821023 - 821023	0031 - 0633	4.6	4.6	4.6	3.8	3.9	4.0

APPENDIX Table 4-C-26 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821023 - 821023	0634 - 1236	4.6	4.6	4.6	3.9	3.9	4.0
821023 - 821023	1237 - 1839	4.6	4.6	4.6	3.9	4.1	4.3
821023 - 821024	1840 - 0042	4.6	4.6	4.6	3.8	4.0	4.3
821024 - 821024	0043 - 0645	4.6	4.6	4.6	3.8	3.9	4.0
821024 - 821024	0646 - 1248	4.6	4.6	4.6	3.7	3.8	4.0
821024 - 821024	1249 - 1851	4.6	4.6	4.6	4.0	4.1	4.3
821024 - 821025	1852 - 0054	4.5	4.6	4.6	3.7	3.9	4.2
821025 - 821025	0055 - 0657	4.5	4.5	4.6	3.7	3.7	3.8
821025 - 821025	0658 - 1300	4.5	4.5	4.6	3.6	3.7	3.8

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Table 4-111 Datapod intragravel and surface water temperature (C) continuous record, at Slough 11, RM 135.7, Geocode S31N02W30ADC.
 Note, that time periods are six hours and three minutes in duration; accordingly, daily minimum, maximum and mean values can not be directly calculated from this data.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820821 - 820821	0604 - 1206	3.2	3.3	3.3	4.8	5.3	5.9
820821 - 820821	1207 - 1809	3.2	3.3	3.3	4.7	5.4	6.9
820821 - 820822	1810 - 0012	3.2	3.3	3.3	6.9	8.4	9.2
820822 - 820822	0013 - 0615	3.2	3.3	3.3	6.4	7.6	8.7
820822 - 820822	0616 - 1218	3.2	3.3	3.3	5.0	5.5	6.3
820822 - 820822	1219 - 1821	3.2	3.3	3.3	4.9	5.7	7.3
820822 - 820823	1822 - 0024	3.2	3.3	3.3	7.3	8.4	9.0
820823 - 820823	0025 - 0627	3.2	3.3	3.3	6.6	7.4	8.4
820823 - 820823	0628 - 1230	3.3	3.3	3.3	6.0	6.3	6.6
820823 - 820823	1231 - 1833	3.2	3.3	3.3	5.9	6.2	6.6
820823 - 820824	1834 - 0036	3.2	3.3	3.3	6.6	7.1	7.3
820824 - 820824	0037 - 0639	3.2	3.3	3.3	5.6	6.1	6.8
820824 - 820824	0640 - 1242	3.3	3.3	3.4	5.6	5.6	5.8
820824 - 820824	1243 - 1845	3.2	3.3	3.3	5.5	6.0	7.0
820824 - 820825	1846 - 0048	3.2	3.3	3.3	6.4	7.5	8.0
820825 - 820825	0049 - 0651	3.2	3.3	3.5	4.3	6.1	7.3
820825 - 820825	0652 - 1254	3.3	3.3	3.3	5.0	5.7	6.0
820825 - 820825	1255 - 1857	3.3	3.4	3.5	5.1	6.2	7.2
820825 - 820826	1858 - 0100	3.5	3.5	3.7	7.0	8.0	8.4
820826 - 820826	0101 - 0703	3.6	3.7	3.7	6.2	7.0	7.7
820826 - 820826	0704 - 1306	3.6	3.6	3.7	5.7	6.0	6.3
820826 - 820826	1307 - 1909	3.6	3.7	4.4	3.6	5.5	6.7
820826 - 820827	1910 - 0112	3.6	3.6	3.7	3.5	3.6	4.0
820827 - 820827	0113 - 0715	3.5	3.5	3.6	3.4	3.5	3.8
820827 - 820827	0716 - 1318	3.5	3.5	3.5	3.4	3.5	3.5
820827 - 820827	1319 - 1921	3.4	3.5	3.5	3.4	3.4	3.5
820827 - 820828	1922 - 0124	3.4	3.5	3.5	3.4	3.5	3.5

Appendix Table 4-C.27 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820828 - 820828	0125 - 0727	3.5	3.5	3.5	3.4	3.4	3.5
820828 - 820828	0728 - 1330	3.4	3.5	3.5	3.4	3.5	3.5
820828 - 820828	1331 - 1933	3.4	3.5	3.5	3.4	3.4	3.5
820828 - 820829	1934 - 0136	3.4	3.5	3.5	3.4	3.4	3.5
820829 - 820829	0137 - 0739	3.5	3.5	3.5	3.4	3.5	3.5
820829 - 820829	0740 - 1342	3.5	3.5	3.5	3.4	3.4	3.5
820829 - 820829	1343 - 1945	3.5	3.5	3.5	3.4	3.4	3.5
820829 - 820830	1946 - 0148	3.5	3.5	3.5	3.4	3.4	3.5
820830 - 820830	0149 - 0751	3.4	3.5	3.5	3.4	3.4	3.5
820830 - 820830	0752 - 1354	3.5	3.5	3.5	3.4	3.4	3.4
820830 - 820830	1355 - 1957	3.4	3.5	3.5	3.3	3.4	3.4
820830 - 820831	1958 - 0200	3.4	3.5	3.5	3.3	3.4	3.4
820831 - 820831	0201 - 0803	3.4	3.4	3.4	3.3	3.4	3.4
820831 - 820831	0804 - 1406	3.4	3.4	3.4	3.4	3.4	3.4
820831 - 820831	1407 - 2009	3.4	3.4	3.5	3.3	3.4	3.4
820831 - 820901	2010 - 0212	3.4	3.5	3.5	3.3	3.4	3.4
820901 - 820901	0213 - 0815	3.4	3.4	3.4	3.3	3.4	3.4
820901 - 820901	0816 - 1418	3.4	3.4	3.4	3.3	3.4	3.4
820901 - 820901	1419 - 2021	3.4	3.4	3.5	3.3	3.4	3.4
820901 - 820902	2022 - 0224	3.4	3.5	3.5	3.3	3.4	3.5
820902 - 820902	0225 - 0827	3.4	3.5	3.5	3.4	3.4	3.5
820902 - 820902	0828 - 1430	3.4	3.5	3.5	3.4	3.4	3.4
820902 - 820902	1431 - 2033	3.4	3.4	3.5	3.3	3.4	3.4
820902 - 820903	2034 - 0236	3.4	3.5	3.5	3.4	3.4	3.5
820903 - 820903	0237 - 0839	3.4	3.5	3.5	3.4	3.4	3.5
820903 - 820903	0840 - 1442	3.4	3.4	3.5	3.4	3.4	3.4
820903 - 820903	1443 - 2045	3.4	3.4	3.5	3.3	3.4	3.4
820903 - 820904	2046 - 0248	3.4	3.5	3.5	3.3	3.4	3.4

Table 7 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820904 - 820904	0249 - 0851	3.4	3.5	3.5	3.3	3.4	3.4
820904 - 820904	0852 - 1454	3.4	3.4	3.5	3.3	3.3	3.4
820904 - 820904	1455 - 2057	3.3	3.4	3.5	3.3	3.3	3.4
820904 - 820905	2058 - 0300	3.4	3.4	3.5	3.3	3.4	3.4
820905 - 820905	0301 - 0903	3.4	3.4	3.5	3.3	3.4	3.4
820905 - 820905	0904 - 1506	3.3	3.4	3.4	3.3	3.3	3.4
820905 - 820905	1507 - 2109	3.4	3.4	3.4	3.3	3.3	3.4
820905 - 820906	2110 - 0312	3.4	3.4	3.5	3.3	3.4	3.4
820906 - 820906	0313 - 0915	3.4	3.4	3.5	3.3	3.4	3.4
820906 - 820906	0916 - 1518	3.4	3.4	3.5	3.3	3.4	3.4
820906 - 820906	1519 - 2121	3.4	3.4	3.4	3.3	3.4	3.4
820906 - 820907	2122 - 0324	3.4	3.4	3.5	3.3	3.4	3.4
820907 - 820907	0325 - 0927	3.4	3.4	3.4	3.3	3.3	3.4
820907 - 820907	0928 - 1530	3.3	3.4	3.4	3.3	3.3	3.4
820907 - 820907	1531 - 2133	3.4	3.4	3.4	3.3	3.3	3.4
820907 - 820908	2134 - 0336	3.4	3.4	3.5	3.3	3.4	3.4
820908 - 820908	0337 - 0939	3.4	3.4	3.5	3.3	3.4	3.4
820908 - 820908	0940 - 1542	3.4	3.4	3.5	3.3	3.4	3.4
820908 - 820908	1543 - 2145	3.4	3.4	3.5	3.3	3.4	3.4
820908 - 820909	2146 - 0348	3.4	3.4	3.5	3.3	3.4	3.4
820909 - 820909	0349 - 0951	3.4	3.4	3.5	3.3	3.4	3.4
820909 - 820909	0952 - 1554	3.3	3.4	3.4	3.3	3.4	3.4
820909 - 820909	1555 - 2157	3.3	3.4	3.4	3.3	3.3	3.4
820909 - 820910	2158 - 0400	3.4	3.4	3.4	3.3	3.3	3.4
820910 - 820910	0401 - 1003	3.4	3.4	3.4	3.3	3.3	3.4
820910 - 820910	1004 - 1606	3.3	3.4	3.4	3.3	3.3	3.3
820910 - 820910	1607 - 2209	3.3	3.4	3.4	3.3	3.3	3.4
820910 - 820911	2210 - 0412	3.3	3.4	3.4	3.3	3.3	3.4

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Table 4-C-27 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820911 - 820911	0413 - 1015	3.4	3.4	3.4	3.3	3.3	3.3
820911 - 820911	1016 - 1618	3.3	3.4	3.4	3.3	3.3	3.3
820911 - 820911	1619 - 2221	3.3	3.4	3.4	3.3	3.3	3.3
820911 - 820912	2222 - 0424	3.3	3.4	3.4	3.2	3.3	3.3
820912 - 820912	0425 - 1027	3.3	3.4	3.4	3.3	3.3	3.3
820912 - 820912	1028 - 1630	3.3	3.4	3.4	3.2	3.3	3.3
820912 - 820912	1631 - 2233	3.3	3.3	3.4	3.2	3.3	3.3
820912 - 820913	2234 - 0436	3.3	3.4	3.4	3.3	3.3	3.4
820913 - 820913	0437 - 1039	3.3	3.3	3.4	3.3	3.3	3.3
820913 - 820913	1040 - 1642	3.3	3.3	3.4	3.2	3.2	3.3
820913 - 820913	1643 - 2245	3.3	3.3	3.4	3.2	3.3	3.3
820913 - 820914	2246 - 0448	3.3	3.4	3.4	3.2	3.3	3.3
820914 - 820914	0449 - 1051	3.3	3.4	3.4	3.3	3.3	3.3
820914 - 820914	1052 - 1654	3.3	3.3	3.4	3.2	3.3	3.3
820914 - 820914	1655 - 2257	3.3	3.3	3.4	3.2	3.3	3.3
820914 - 820915	2258 - 0500	3.3	3.4	3.4	3.2	3.3	3.3
820915 - 820915	0501 - 1103	3.3	3.4	3.4	3.3	3.3	3.3
820915 - 820915	1104 - 1706	3.3	3.3	3.4	3.2	3.3	3.3
820915 - 820915	1707 - 2309	3.3	3.4	3.4	3.3	3.3	3.3
820915 - 820916	2310 - 0512	3.3	3.4	3.4	3.2	3.3	3.4
820916 - 820916	0513 - 1115	3.3	3.4	3.4	3.2	3.3	3.4
820916 - 820916	1116 - 1718	3.3	3.4	3.4	3.2	3.3	3.3
820916 - 820916	1719 - 2321	3.3	3.3	3.4	3.2	3.3	3.3
820916 - 820917	2322 - 0524	3.3	3.4	3.4	3.3	3.3	3.4
820917 - 820917	0525 - 1127	3.3	3.3	3.4	3.2	3.3	3.3
820917 - 820917	1128 - 1730	3.3	3.3	3.3	3.2	3.3	3.3
820917 - 820917	1731 - 2333	3.3	3.3	3.4	3.2	3.3	3.3
820917 - 820918	2334 - 0536	3.3	3.3	3.4	3.2	3.2	3.3

Table 4.2.2 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820918 - 820918	0537 - 1139	3.3	3.3	3.3	3.3	3.3	3.3
820918 - 820918	1140 - 1742	3.2	3.3	3.3	3.2	3.2	3.3
820918 - 820918	1743 - 2345	3.3	3.3	3.4	3.2	3.2	3.3
820918 - 820919	2346 - 0548	3.3	3.3	3.3	3.2	3.2	3.2
820919 - 820919	0549 - 1151	3.3	3.3	3.3	3.2	3.2	3.2
820919 - 820919	1152 - 1754	3.3	3.3	3.3	3.2	3.2	3.2
820919 - 820919	1755 - 2357	3.3	3.3	3.3	3.2	3.2	3.2
820919 - 820920	2358 - 0600	3.3	3.3	3.3	3.2	3.2	3.2
820920 - 820920	0601 - 1203	3.3	3.3	3.3	3.2	3.2	3.3
820920 - 820920	1204 - 1806	3.3	3.3	3.3	3.2	3.2	3.2
820920 - 820921	1807 - 0009	3.3	3.3	3.4	3.2	3.2	3.3
820921 - 820921	0010 - 0612	3.3	3.3	3.3	3.2	3.2	3.2
820921 - 820921	0613 - 1215	3.3	3.3	3.3	3.2	3.2	3.3
820921 - 820921	1216 - 1818	3.3	3.3	3.4	3.2	3.2	3.3
820921 - 820922	1819 - 0021	3.3	3.3	3.3	3.2	3.2	3.2
820922 - 820922	0022 - 0624	3.3	3.3	3.3	3.2	3.2	3.3
820922 - 820922	0625 - 1227	3.3	3.3	3.4	3.2	3.2	3.3
820922 - 820922	1228 - 1830	3.3	3.3	3.3	3.2	3.2	3.3
820922 - 820923	1831 - 0033	3.2	3.3	3.4	3.2	3.2	3.3
820923 - 820923	0034 - 0636	3.3	3.3	3.4	3.2	3.2	3.3
820923 - 820923	0637 - 1239	3.3	3.3	3.3	3.2	3.2	3.2
820923 - 820923	1240 - 1842	3.2	3.3	3.3	3.2	3.2	3.3
820923 - 820924	1843 - 0045	3.3	3.3	3.4	3.2	3.2	3.3
820924 - 820924	0046 - 0648	3.3	3.3	3.4	3.2	3.2	3.3
820924 - 820924	0649 - 1251	3.3	3.3	3.3	3.2	3.2	3.2
820924 - 820924	1252 - 1854	3.2	3.3	3.3	3.1	3.2	3.3
820924 - 820925	1855 - 0057	3.2	3.3	3.3	3.2	3.2	3.3

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Table 4-C-27 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820925 - 820925	0058 - 0700	3.2	3.3	3.3	3.1	3.2	3.2
820925 - 820925	0701 - 1303	3.2	3.3	3.3	3.1	3.2	3.2
820925 - 820925	1304 - 1906	3.2	3.3	3.3	3.1	3.2	3.2
820925 - 820926	1907 - 0109	3.2	3.3	3.3	3.1	3.2	3.2
820926 - 820926	0110 - 0712	3.2	3.3	3.3	3.2	3.2	3.2
820926 - 820926	0713 - 1315	3.3	3.3	3.3	3.2	3.2	3.2
820926 - 820926	1316 - 1918	3.2	3.3	3.3	3.1	3.2	3.2
820926 - 820927	1919 - 0121	3.2	3.3	3.3	3.1	3.2	3.2
820927 - 820927	0122 - 0724	3.3	3.3	3.3	3.2	3.2	3.2
820927 - 820927	0725 - 1327	3.3	3.3	3.3	3.2	3.2	3.2
820927 - 820927	1328 - 1930	3.2	3.3	3.3	3.1	3.2	3.2
820927 - 820928	1931 - 0133	3.2	3.3	3.3	3.2	3.2	3.3
820928 - 820928	0134 - 0736	3.2	3.3	3.3	3.1	3.2	3.2
820928 - 820928	0737 - 1339	3.2	3.3	3.3	3.2	3.2	3.2
820928 - 820928	1340 - 1942	3.2	3.3	3.3	3.1	3.2	3.2
820928 - 820929	1943 - 0145	3.2	3.3	3.3	3.1	3.2	3.2
820929 - 820929	0146 - 0748	3.3	3.3	3.3	3.2	3.2	3.2
820929 - 820929	0749 - 1351	3.3	3.3	3.3	3.2	3.2	3.2
820929 - 820929	1352 - 1954	3.2	3.3	3.3	3.1	3.2	3.2
820929 - 820930	1955 - 0157	3.2	3.3	3.3	3.1	3.2	3.2
820930 - 820930	0158 - 0800	3.3	3.3	3.3	3.2	3.2	3.2
820930 - 820930	0801 - 1403	3.3	3.3	3.3	3.2	3.2	3.2
820930 - 820930	1404 - 2006	3.2	3.3	3.3	3.1	3.2	3.3
820930 - 821001	2007 - 0209	3.2	3.3	3.4	3.1	3.2	3.3
821001 - 821001	0210 - 0812	3.3	3.3	3.4	3.2	3.2	3.3
821001 - 821001	0813 - 1415	3.3	3.3	3.3	3.2	3.2	3.2
821001 - 821001	1416 - 2018	3.2	3.3	3.3	3.2	3.2	3.2
821001 - 821002	2019 - 0221	3.2	3.3	3.4	3.1	3.2	3.3

Table 4.2 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821002 - 821002	0222 - 0824	3.3	3.3	3.3	3.2	3.2	3.2
821002 - 821002	0825 - 1427	3.2	3.3	3.3	3.1	3.2	3.2
821002 - 821002	1428 - 2030	3.2	3.3	3.3	3.1	3.2	3.2
821002 - 821003	2031 - 0233	3.2	3.3	3.3	3.1	3.2	3.2
821003 - 821003	0234 - 0836	3.2	3.3	3.3	3.1	3.2	3.2
821003 - 821003	0837 - 1439	3.2	3.3	3.3	3.1	3.2	3.2
821003 - 821003	1440 - 2042	3.2	3.3	3.3	3.2	3.2	3.2
821003 - 821004	2043 - 0245	3.2	3.3	3.3	3.2	3.2	3.3
821004 - 821004	0246 - 0848	3.2	3.3	3.3	3.1	3.2	3.2
821004 - 821004	0849 - 1451	3.2	3.3	3.3	3.1	3.2	3.2
821004 - 821004	1452 - 2054	3.2	3.3	3.3	3.1	3.2	3.2
821004 - 821005	2055 - 0257	3.2	3.3	3.3	3.1	3.2	3.2
821005 - 821005	0258 - 0900	3.2	3.3	3.3	3.1	3.2	3.2
821005 - 821005	0901 - 1503	3.2	3.3	3.3	3.1	3.2	3.2
821005 - 821005	1504 - 2106	3.2	3.2	3.3	3.1	3.2	3.2
821005 - 821006	2107 - 0309	3.2	3.2	3.3	3.1	3.1	3.2
821006 - 821006	0310 - 0912	3.2	3.2	3.2	3.1	3.1	3.2
821006 - 821006	0913 - 1515	3.2	3.2	3.3	3.1	3.1	3.2
821006 - 821006	1516 - 2118	3.2	3.2	3.3	3.1	3.1	3.1
821006 - 821007	2119 - 0321	3.2	3.3	3.3	3.1	3.1	3.2
821007 - 821007	0322 - 0924	3.2	3.2	3.2	3.1	3.1	3.1
821007 - 821007	0925 - 1527	3.2	3.2	3.3	3.1	3.1	3.1
821007 - 821007	1528 - 2130	3.2	3.2	3.2	3.1	3.1	3.2
821007 - 821008	2131 - 0333	3.2	3.2	3.3	3.1	3.1	3.1
821008 - 821008	0334 - 0936	3.2	3.2	3.2	3.1	3.1	3.1
821008 - 821008	0937 - 1539	3.1	3.2	3.2	3.1	3.1	3.2
821008 - 821008	1540 - 2142	3.2	3.2	3.3	3.1	3.1	3.1
821008 - 821009	2143 - 0345	3.2	3.2	3.3	3.1	3.1	3.2

APPENDIX Table 4.5-27 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821009 - 821009	0346 - 0948	3.2	3.2	3.2	3.1	3.1	3.1
821009 - 821009	0949 - 1551	3.1	3.2	3.2	3.1	3.1	3.2
821009 - 821009	1552 - 2154	3.2	3.2	3.3	3.1	3.1	3.1
821009 - 821010	2155 - 0357	3.2	3.2	3.3	3.1	3.1	3.2
821010 - 821010	0358 - 1000	3.2	3.2	3.2	3.1	3.1	3.1
821010 - 821010	1001 - 1603	3.2	3.2	3.3	3.1	3.1	3.1
821010 - 821010	1604 - 2206	3.2	3.2	3.3	3.1	3.1	3.2
821010 - 821011	2207 - 0409	3.2	3.2	3.3	3.1	3.1	3.2
821011 - 821011	0410 - 1012	3.2	3.2	3.3	3.1	3.1	3.1
821011 - 821011	1013 - 1615	3.2	3.2	3.3	3.1	3.1	3.1
821011 - 821011	1616 - 2218	3.2	3.2	3.3	3.1	3.1	3.1
821011 - 821012	2219 - 0421	3.2	3.2	3.2	3.1	3.1	3.1
821012 - 821012	0422 - 1024	3.2	3.2	3.2	3.1	3.1	3.1
821012 - 821012	1025 - 1627	3.1	3.2	3.2	3.1	3.1	3.1
821012 - 821012	1628 - 2230	3.1	3.2	3.2	3.1	3.1	3.1
821012 - 821013	2231 - 0433	3.2	3.2	3.2	3.1	3.1	3.1
821013 - 821013	0434 - 1036	3.2	3.2	3.2	3.1	3.1	3.1
821013 - 821013	1037 - 1639	3.2	3.2	3.2	3.1	3.1	3.1
821013 - 821013	1640 - 2242	3.2	3.2	3.2	3.1	3.1	3.1
821013 - 821014	2243 - 0445	3.2	3.2	3.2	3.1	3.1	3.1
821014 - 821014	0446 - 1048	3.2	3.2	3.3	3.0	3.1	3.1
821014 - 821014	1049 - 1651	3.1	3.2	3.3	3.0	3.1	3.1
821014 - 821014	1652 - 2254	3.1	3.2	3.2	3.1	3.1	3.2
821014 - 821015	2255 - 0457	3.2	3.2	3.3	3.0	3.1	3.2
821015 - 821015	0458 - 1100	3.1	3.2	3.3	3.0	3.1	3.1
821015 - 821015	1101 - 1703	3.1	3.2	3.2	3.0	3.1	3.1
821015 - 821015	1704 - 2306	3.1	3.2	3.3	3.0	3.1	3.1
821015 - 821016	2307 - 0509	3.2	3.2	3.2	3.0	3.1	3.1

Table 4-C-17 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821016 - 821016	0510 - 1112	3.2	3.2	3.2	3.0	3.1	3.1
821016 - 821016	1113 - 1715	3.2	3.2	3.2	3.0	3.1	3.1
821016 - 821016	1716 - 2318	3.2	3.2	3.2	3.0	3.1	3.1
821016 - 821017	2319 - 0521	3.2	3.2	3.2	3.0	3.0	3.1
821017 - 821017	0522 - 1124	3.2	3.2	3.2	3.0	3.1	3.1
821017 - 821017	1125 - 1727	3.1	3.2	3.2	3.0	3.1	3.1
821017 - 821017	1728 - 2330	3.1	3.2	3.2	3.0	3.1	3.1
821017 - 821018	2331 - 0533	3.2	3.2	3.3	3.0	3.1	3.1
821018 - 821018	0534 - 1136	3.2	3.2	3.2	3.0	3.1	3.1
821018 - 821018	1137 - 1739	3.1	3.2	3.2	3.0	3.1	3.1
821018 - 821018	1740 - 2342	3.1	3.2	3.2	3.0	3.1	3.1
821018 - 821019	2343 - 0545	3.2	3.2	3.2	3.1	3.1	3.1
821019 - 821019	0546 - 1148	3.2	3.2	3.2	3.1	3.1	3.1
821019 - 821019	1149 - 1751	3.2	3.2	3.2	3.0	3.1	3.1
821019 - 821019	1752 - 2354	3.1	3.2	3.2	3.0	3.1	3.1
821019 - 821020	2355 - 0557	3.2	3.2	3.2	3.0	3.1	3.1
821020 - 821020	0558 - 1200	3.2	3.2	3.2	3.0	3.1	3.1
821020 - 821020	1201 - 1803	3.1	3.2	3.2	3.0	3.1	3.1
821020 - 821021	1804 - 0006	3.1	3.2	3.2	3.0	3.1	3.1
821021 - 821021	0007 - 0609	3.2	3.2	3.2	3.0	3.1	3.1
821021 - 821021	0610 - 1212	3.1	3.2	3.2	3.0	3.1	3.1
821021 - 821021	1213 - 1815	3.1	3.2	3.2	3.0	3.1	3.1
821021 - 821022	1816 - 0018	3.1	3.2	3.2	3.0	3.0	3.1
821022 - 821022	0019 - 0621	3.1	3.1	3.2	3.0	3.0	3.0
821022 - 821022	0622 - 1224	3.1	3.1	3.2	2.9	3.0	3.0
821022 - 821022	1225 - 1827	3.1	3.1	3.2	2.9	3.0	3.0
821022 - 821023	1828 - 0030	3.1	3.1	3.2	2.9	3.0	3.0
821023 - 821023	0031 - 0633	3.1	3.1	3.2	2.9	3.0	3.0

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APP. DIX Table 4-C-27 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821023 - 821023	0634 - 1236	3.1	3.1	3.2	3.0	3.0	3.0
821023 - 821023	1237 - 1839	3.1	3.1	3.2	2.9	3.0	3.0
821023 - 821024	1840 - 0042	3.1	3.1	3.2	2.9	3.0	3.0
821024 - 821024	0043 - 0645	3.1	3.1	3.2	3.0	3.0	3.0
821024 - 821024	0646 - 1248	3.1	3.1	3.2	3.0	3.0	3.0
821024 - 821024	1249 - 1851	3.1	3.1	3.2	2.9	3.0	3.1
821024 - 821025	1852 - 0054	3.1	3.1	3.2	2.9	3.0	3.1
821025 - 821025	0055 - 0657	3.1	3.2	3.2	3.0	3.0	3.0
821025 - 821025	0658 - 1300	3.1	3.1	3.2	2.9	3.0	3.0
821025 - 821025	1301 - 1903	3.1	3.1	3.2	2.9	3.0	3.1
821025 - 821026	1904 - 0106	3.1	3.1	3.2	2.9	3.0	3.0
821026 - 821026	0107 - 0709	3.1	3.1	3.2	2.9	3.0	3.0
821026 - 821026	0710 - 1312	3.1	3.1	3.1	3.0	3.0	3.0
821026 - 821026	1313 - 1915	3.1	3.1	3.2	2.9	3.0	3.0
821026 - 821027	1916 - 0118	3.1	3.1	3.2	2.9	3.0	3.0
821027 - 821027	0119 - 0721	3.1	3.1	3.2	2.9	3.0	3.0
821027 - 821027	0722 - 1324	3.1	3.1	3.1	2.9	3.0	3.0

Table 4-6. Datapod intragravel and surface water temperature (C) continuous record, at Slough 16B, RM 138.0, Geocode S31N02W17AAA.
Note, that time periods are six hours and three minutes in duration; accordingly, daily minimum, maximum and mean values can not be directly calculated from this data.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820821 - 820821	0604 - 1206	5.0	5.4	5.7	4.4	4.8	5.3
820821 - 820821	1207 - 1809	4.8	5.0	5.4	4.3	5.1	6.4
820821 - 820822	1810 - 0012	5.4	6.2	6.7	6.3	7.9	9.2
820822 - 820822	0013 - 0615	5.6	6.2	6.6	5.1	6.2	7.4
820822 - 820822	0616 - 1218	4.8	5.2	5.6	4.2	4.6	5.1
820822 - 820822	1219 - 1821	4.7	4.9	5.5	4.2	5.0	6.4
820822 - 820823	1822 - 0024	5.5	6.3	6.9	6.2	7.7	9.0
820823 - 820823	0025 - 0627	5.9	6.3	6.7	5.8	6.4	7.4
820823 - 820823	0628 - 1230	5.6	5.7	5.9	5.5	5.7	5.9
820823 - 820823	1231 - 1833	5.6	5.9	6.4	5.6	6.3	7.1
820823 - 820824	1834 - 0036	6.3	6.7	6.8	6.9	7.3	8.0
820824 - 820824	0037 - 0639	5.7	6.1	6.7	5.5	6.0	6.8
820824 - 820824	0640 - 1242	5.4	5.5	5.7	5.1	5.3	5.5
820824 - 820824	1243 - 1845	5.4	5.9	6.6	5.2	6.2	7.6
820824 - 820825	1846 - 0048	6.6	7.1	7.4	7.1	7.8	8.7
820825 - 820825	0049 - 0651	6.1	6.6	7.0	5.8	6.4	7.3
820825 - 820825	0652 - 1254	5.9	6.0	6.2	5.5	5.8	6.0
820825 - 820825	1255 - 1857	5.9	6.3	6.8	5.7	6.6	7.8
820825 - 820826	1858 - 0100	6.8	7.1	7.5	6.9	7.9	9.0
820826 - 820826	0101 - 0703	6.2	6.6	7.1	5.8	6.4	7.1
820826 - 820826	0704 - 1306	5.9	6.0	6.2	5.5	5.7	6.0
820826 - 820826	1307 - 1909	5.9	6.3	6.8	5.6	6.8	8.0
820826 - 820827	1910 - 0112	6.8	7.2	7.6	7.2	8.1	9.1
820827 - 820827	0113 - 0715	5.6	6.4	7.1	4.8	5.8	7.2
820827 - 820827	0716 - 1318	4.6	5.1	5.6	3.9	4.3	4.8
820827 - 820827	1319 - 1921	4.6	5.2	6.1	4.0	5.3	6.9
820827 - 820828	1922 - 0124	6.1	6.8	7.4	6.3	7.5	8.7

Appendix Table 4-10 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820828 - 820828	0125 - 0727	5.0	5.6	6.5	4.6	5.3	6.4
820828 - 820828	0728 - 1330	4.7	4.9	5.1	4.5	4.6	4.9
820828 - 820828	1331 - 1933	4.9	5.4	6.2	4.8	5.6	6.7
820828 - 820829	1934 - 0136	6.2	6.6	7.0	6.3	7.0	7.8
820829 - 820829	0137 - 0739	5.5	5.9	6.5	5.2	5.8	6.6
820829 - 820829	0740 - 1342	5.3	5.4	5.5	5.0	5.2	5.4
820829 - 820829	1343 - 1945	5.4	5.9	6.6	5.4	6.2	7.0
820829 - 820830	1946 - 0148	6.2	6.5	6.7	6.0	6.6	7.1
820830 - 820830	0149 - 0751	5.6	5.8	6.2	5.4	5.7	6.2
820830 - 820830	0752 - 1354	5.5	5.6	5.6	5.3	5.5	5.7
820830 - 820830	1355 - 1957	5.5	5.8	6.1	5.5	6.0	6.5
820830 - 820831	1958 - 0200	6.0	6.1	6.2	5.9	6.4	6.7
820831 - 820831	0201 - 0803	5.7	5.9	6.0	5.4	5.6	5.9
820831 - 820831	0804 - 1406	5.6	5.6	5.8	5.2	5.4	5.6
820831 - 820831	1407 - 2009	5.6	5.6	5.8	5.5	6.4	7.5
820831 - 820901	2010 - 0212	5.8	6.1	6.3	6.3	7.2	8.0
820901 - 820901	0213 - 0815	6.0	6.1	6.2	5.5	5.8	6.3
820901 - 820901	0816 - 1418	5.7	5.8	6.0	5.4	5.6	5.8
820901 - 820901	1419 - 2021	5.7	5.8	6.1	5.8	7.3	8.5
820901 - 820902	2022 - 0224	6.1	6.3	6.4	6.2	7.7	8.6
820902 - 820902	0225 - 0827	5.9	6.2	6.4	5.1	5.5	6.2
820902 - 820902	0828 - 1430	5.6	5.8	6.0	4.9	5.0	5.3
820902 - 820902	1431 - 2033	5.5	5.6	5.7	5.4	6.6	7.6
820902 - 820903	2034 - 0236	5.7	6.0	6.2	6.1	7.3	8.6
820903 - 820903	0237 - 0839	5.8	6.0	6.2	5.4	5.7	6.1
820903 - 820903	0840 - 1442	5.6	5.7	5.9	5.0	5.2	5.5
820903 - 820903	1443 - 2045	5.5	5.6	5.6	5.3	6.0	7.1
820903 - 820904	2046 - 0248	5.6	5.8	6.0	5.6	6.7	7.7

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Table Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820904 - 820904	0249 - 0851	5.6	5.8	6.0	4.7	5.0	5.6
820904 - 820904	0852 - 1454	5.3	5.4	5.6	4.6	4.8	5.0
820904 - 820904	1455 - 2057	5.2	5.4	5.6	4.9	6.2	7.4
820904 - 820905	2058 - 0300	5.5	5.8	5.9	5.5	6.6	7.9
820905 - 820905	0301 - 0903	5.4	5.7	5.9	4.6	4.9	5.5
820905 - 820905	0904 - 1506	5.1	5.3	5.5	4.6	4.8	5.4
820905 - 820905	1507 - 2109	5.1	5.4	5.6	5.3	6.3	7.4
820905 - 820906	2110 - 0312	5.6	5.8	5.9	5.6	6.4	7.6
820906 - 820906	0313 - 0915	5.4	5.6	5.8	5.0	5.4	5.7
820906 - 820906	0916 - 1518	5.3	5.3	5.5	5.0	5.2	5.7
820906 - 820906	1519 - 2121	5.4	5.7	6.0	5.6	6.2	6.6
820906 - 820907	2122 - 0324	5.4	5.7	6.0	5.1	5.8	6.6
820907 - 820907	0325 - 0927	5.1	5.2	5.4	4.9	5.0	5.1
820907 - 820907	0928 - 1530	5.0	5.2	5.7	4.8	5.2	6.3
820907 - 820907	1531 - 2133	5.7	6.2	6.7	6.1	6.9	7.6
820907 - 820908	2134 - 0336	5.6	6.1	6.7	5.4	6.0	7.0
820908 - 820908	0337 - 0939	5.2	5.4	5.6	4.9	5.1	5.5
820908 - 820908	0940 - 1542	5.1	5.2	5.4	4.8	5.1	5.6
820908 - 820908	1543 - 2145	5.4	5.7	5.9	5.5	5.9	6.2
820908 - 820909	2146 - 0348	5.4	5.6	5.9	5.2	5.6	6.1
820909 - 820909	0349 - 0951	5.1	5.2	5.4	4.9	5.0	5.2
820909 - 820909	0952 - 1554	5.0	5.1	5.2	4.8	5.0	5.4
820909 - 820909	1555 - 2157	5.2	5.7	6.0	5.4	6.2	7.0
820909 - 820910	2158 - 0400	5.6	5.8	6.0	5.1	5.8	6.6
820910 - 820910	0401 - 1003	5.2	5.3	5.6	4.7	4.9	5.2
820910 - 820910	1004 - 1606	5.0	5.1	5.3	4.6	4.9	5.7
820910 - 820910	1607 - 2209	5.3	5.7	6.0	5.7	6.5	6.9
820910 - 820911	2210 - 0412	5.5	5.8	6.0	5.1	5.7	6.7

Table 4-2-2 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820911 - 820911	0413 - 1015	5.1	5.3	5.5	4.6	4.8	5.1
820911 - 820911	1016 - 1618	5.0	5.0	5.2	4.6	4.8	5.1
820911 - 820911	1619 - 2221	5.0	5.2	5.4	5.0	5.4	5.6
820911 - 820912	2222 - 0424	5.0	5.2	5.3	4.5	4.9	5.4
820912 - 820912	0425 - 1027	4.6	4.7	5.1	4.0	4.1	4.5
820912 - 820912	1028 - 1630	4.4	4.5	4.6	3.9	4.1	4.7
820912 - 820912	1631 - 2233	4.6	5.0	5.4	4.7	5.7	6.3
820912 - 820913	2234 - 0436	5.0	5.2	5.4	4.8	5.2	5.8
820913 - 820913	0437 - 1039	4.9	5.0	5.1	4.7	4.7	4.9
820913 - 820913	1040 - 1642	4.8	4.9	5.0	4.5	4.7	5.0
820913 - 820913	1643 - 2245	4.9	5.0	5.1	5.0	5.6	6.1
820913 - 820914	2246 - 0448	5.1	5.2	5.2	5.2	5.4	5.7
820914 - 820914	0449 - 1051	5.1	5.2	5.3	5.0	5.1	5.3
820914 - 820914	1052 - 1654	5.0	5.1	5.1	5.0	5.2	6.2
820914 - 820914	1655 - 2257	5.1	5.2	5.3	6.2	6.3	6.4
820914 - 820915	2258 - 0500	5.3	5.4	5.5	6.1	6.3	6.5
820915 - 820915	0501 - 1103	5.4	5.6	5.7	6.3	6.4	6.5
820915 - 820915	1104 - 1706	5.6	5.8	6.1	6.3	6.5	7.1
820915 - 820915	1707 - 2309	6.1	6.4	6.6	7.1	7.7	8.0
820915 - 820916	2310 - 0512	6.6	6.7	6.8	7.4	7.6	7.9
820916 - 820916	0513 - 1115	6.6	6.7	6.8	6.9	7.1	7.4
820916 - 820916	1116 - 1718	6.4	6.6	6.7	6.7	6.8	6.9
820916 - 820916	1719 - 2321	6.4	6.5	6.5	6.8	7.1	7.2
820916 - 820917	2322 - 0524	6.4	6.5	6.6	6.4	6.6	6.9
820917 - 820917	0525 - 1127	6.2	6.3	6.4	5.9	6.2	6.5
820917 - 820917	1128 - 1730	5.9	6.1	6.3	5.7	5.8	6.0
820917 - 820917	1731 - 2333	5.9	5.9	6.0	6.0	6.3	6.4
820917 - 820918	2334 - 0536	5.9	5.9	6.0	5.8	6.1	6.3

Table 9.1. Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820925 - 820925	0058 - 0700	4.2	4.3	4.4	3.3	3.7	4.4
820925 - 820925	0701 - 1303	4.0	4.1	4.2	2.7	3.0	3.5
820925 - 820925	1304 - 1906	3.7	3.9	4.1	2.9	4.6	5.7
820925 - 820926	1907 - 0109	4.1	4.3	4.5	4.7	5.3	5.8
820926 - 820926	0110 - 0712	4.4	4.4	4.5	4.0	4.4	4.7
820926 - 820926	0713 - 1315	4.2	4.3	4.5	4.0	4.1	4.2
820926 - 820926	1316 - 1918	4.2	4.3	4.4	4.1	4.9	5.5
820926 - 820927	1919 - 0121	4.4	4.5	4.6	4.5	4.8	5.3
820927 - 820927	0122 - 0724	4.4	4.5	4.6	4.3	4.4	4.5
820927 - 820927	0725 - 1327	4.3	4.4	4.5	4.2	4.2	4.3
820927 - 820927	1328 - 1930	4.3	4.4	4.5	4.3	5.0	5.9
820927 - 820928	1931 - 0133	4.5	4.6	4.8	3.6	4.9	6.3
820928 - 820928	0134 - 0736	4.2	4.4	4.7	2.7	3.1	3.6
820928 - 820928	0737 - 1339	3.7	4.0	4.2	2.6	2.7	3.2
820928 - 820928	1340 - 1942	3.8	3.9	4.1	3.2	4.4	5.0
820928 - 820929	1943 - 0145	4.1	4.2	4.3	4.2	4.4	4.8
820929 - 820929	0146 - 0748	4.2	4.2	4.3	4.0	4.1	4.2
820929 - 820929	0749 - 1351	4.1	4.2	4.3	3.9	4.0	4.2
820929 - 820929	1352 - 1954	4.1	4.3	4.5	4.2	5.2	6.0
820929 - 820930	1955 - 0157	4.5	4.6	4.7	4.6	5.1	5.8
820930 - 820930	0158 - 0800	4.6	4.6	4.7	4.2	4.5	4.6
820930 - 820930	0801 - 1403	4.4	4.5	4.6	4.0	4.1	4.4
820930 - 820930	1404 - 2006	4.4	4.5	4.7	4.4	5.4	6.1
820930 - 821001	2007 - 0209	4.7	4.8	4.9	4.5	5.0	5.7
821001 - 821001	0210 - 0812	4.6	4.7	4.8	4.1	4.3	4.6
821001 - 821001	0813 - 1415	4.4	4.5	4.6	3.9	4.1	4.2
821001 - 821001	1416 - 2018	4.4	4.5	4.6	4.3	4.9	5.4
821001 - 821002	2019 - 0221	4.6	4.6	4.7	3.7	4.3	5.2

Table 4.2.2 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820918 - 820918	0537 - 1139	5.7	5.8	5.9	5.6	5.7	5.8
820918 - 820918	1140 - 1742	5.5	5.6	5.7	5.5	5.9	6.4
820918 - 820918	1743 - 2345	5.5	5.5	5.6	6.4	6.5	6.6
820918 - 820919	2346 - 0548	5.4	5.5	5.6	6.1	6.3	6.5
820919 - 820919	0549 - 1151	5.3	5.4	5.5	6.0	6.0	6.1
820919 - 820919	1152 - 1754	5.2	5.3	5.4	5.9	6.1	6.3
820919 - 820919	1755 - 2357	5.2	5.3	5.4	6.3	6.4	6.5
820919 - 820920	2358 - 0600	5.2	5.3	5.3	6.0	6.1	6.4
820920 - 820920	0601 - 1203	5.1	5.2	5.3	5.7	5.8	6.0
820920 - 820920	1204 - 1806	5.0	5.1	5.2	5.7	6.0	6.4
820920 - 820921	1807 - 0009	5.1	5.1	5.2	6.2	6.4	6.5
820921 - 820921	0010 - 0612	5.0	5.1	5.1	5.8	5.9	6.2
820921 - 820921	0613 - 1215	4.9	5.0	5.1	5.5	5.7	5.8
820921 - 820921	1216 - 1818	4.9	4.9	5.0	5.6	5.9	6.3
820921 - 820922	1819 - 0021	4.9	5.0	5.1	6.2	6.3	6.4
820922 - 820922	0022 - 0624	4.9	5.0	5.0	5.8	6.0	6.2
820922 - 820922	0625 - 1227	4.9	5.0	5.1	5.4	5.6	5.8
820922 - 820922	1228 - 1830	4.7	4.8	4.9	5.5	5.8	6.2
820922 - 820923	1831 - 0033	4.7	4.8	4.8	4.7	5.9	6.5
820923 - 820923	0034 - 0636	4.6	4.7	4.9	3.9	4.1	4.7
820923 - 820923	0637 - 1239	4.4	4.5	4.6	3.2	3.7	4.0
820923 - 820923	1240 - 1842	4.1	4.3	4.4	3.2	4.2	5.5
820923 - 820924	1843 - 0045	4.2	4.4	4.5	3.7	5.0	5.8
820924 - 820924	0046 - 0648	4.2	4.4	4.6	2.6	3.0	3.6
820924 - 820924	0649 - 1251	3.9	4.1	4.3	2.3	2.5	2.7
820924 - 820924	1252 - 1854	3.8	3.9	4.0	2.5	4.2	5.6
820924 - 820925	1855 - 0057	4.0	4.2	4.4	4.4	5.2	5.7

Table 4, Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821002 - 821002	0222 - 0824	4.3	4.5	4.6	3.6	3.7	3.8
821002 - 821002	0825 - 1427	4.1	4.3	4.3	3.6	3.7	4.4
821002 - 821002	1428 - 2030	4.2	4.4	4.6	4.3	5.2	5.6
821002 - 821003	2031 - 0233	4.6	4.7	4.8	3.9	4.6	5.4
821003 - 821003	0234 - 0836	4.3	4.5	4.7	3.4	3.7	4.0
821003 - 821003	0837 - 1439	4.1	4.2	4.4	3.4	3.6	4.4
821003 - 821003	1440 - 2042	4.1	4.3	4.5	4.3	5.0	5.3
821003 - 821004	2043 - 0245	4.5	4.6	4.6	3.4	4.2	5.1
821004 - 821004	0246 - 0848	4.0	4.3	4.5	2.5	2.9	3.5
821004 - 821004	0849 - 1451	3.5	3.8	4.1	2.3	2.5	2.9
821004 - 821004	1452 - 2054	3.5	3.6	3.9	2.9	4.1	4.7
821004 - 821005	2055 - 0257	3.9	4.0	4.1	2.6	3.1	4.1
821005 - 821005	0258 - 0900	3.5	3.7	3.9	2.5	2.7	2.7
821005 - 821005	0901 - 1503	3.3	3.5	3.5	2.3	2.5	2.9
821005 - 821005	1504 - 2106	3.3	3.4	3.6	2.9	3.7	4.1
821005 - 821006	2107 - 0309	3.5	3.6	3.8	2.2	2.8	3.7
821006 - 821006	0310 - 0912	3.2	3.3	3.5	2.0	2.1	2.4
821006 - 821006	0913 - 1515	2.9	3.1	3.2	2.0	2.5	3.3
821006 - 821006	1516 - 2118	3.0	3.3	3.6	3.1	3.9	4.4
821006 - 821007	2119 - 0321	3.6	3.6	3.7	3.0	3.3	3.7
821007 - 821007	0322 - 0924	3.4	3.5	3.6	2.7	2.9	3.0
821007 - 821007	0925 - 1527	3.3	3.4	3.5	2.7	2.9	3.1
821007 - 821007	1528 - 2130	3.3	3.5	3.7	3.1	3.7	4.1
821007 - 821008	2131 - 0333	3.6	3.7	3.7	2.8	3.3	3.7
821008 - 821008	0334 - 0936	3.4	3.5	3.7	2.7	2.9	3.1
821008 - 821008	0937 - 1539	3.4	3.5	3.5	2.8	3.2	3.9
821008 - 821008	1540 - 2142	3.4	3.7	3.9	3.6	4.1	4.5
821008 - 821009	2143 - 0345	3.5	3.8	3.9	2.0	2.8	3.6

Table 4-2-28 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821009 - 821009	0346 - 0948	3.2	3.3	3.5	2.1	2.4	2.8
821009 - 821009	0949 - 1551	3.2	3.2	3.3	2.6	3.1	3.8
821009 - 821009	1552 - 2154	3.3	3.6	3.8	3.7	4.1	4.3
821009 - 821010	2155 - 0357	3.7	3.8	3.9	3.2	3.4	3.7
821010 - 821010	0358 - 1000	3.5	3.7	3.7	3.1	3.2	3.3
821010 - 821010	1001 - 1603	3.5	3.6	3.7	3.1	3.5	4.1
821010 - 821010	1604 - 2206	3.6	3.8	4.0	3.3	3.8	4.2
821010 - 821011	2207 - 0409	3.6	3.8	3.9	2.9	3.1	3.4
821011 - 821011	0410 - 1012	3.5	3.5	3.7	2.7	2.8	3.0
821011 - 821011	1013 - 1615	3.3	3.4	3.5	2.6	3.0	3.4
821011 - 821011	1616 - 2218	3.3	3.5	3.5	1.9	3.1	3.7
821011 - 821012	2219 - 0421	3.2	3.3	3.5	2.0	2.6	2.9
821012 - 821012	0422 - 1024	3.0	3.0	3.2	2.0	2.4	2.7
821012 - 821012	1025 - 1627	2.9	3.0	3.1	2.4	2.8	3.2
821012 - 821012	1628 - 2230	3.1	3.3	3.4	3.2	3.4	3.5
821012 - 821013	2231 - 0433	3.3	3.4	3.5	2.5	3.0	3.4
821013 - 821013	0434 - 1036	3.2	3.3	3.3	2.4	2.7	3.1
821013 - 821013	1037 - 1639	3.1	3.2	3.3	2.6	2.9	3.1
821013 - 821013	1640 - 2242	3.2	3.3	3.4	2.8	3.0	3.3
821013 - 821014	2243 - 0445	3.2	3.3	3.3	2.6	2.8	2.9
821014 - 821014	0446 - 1048	3.1	3.2	3.3	2.4	2.6	2.8
821014 - 821014	1049 - 1651	3.0	3.1	3.2	2.4	2.9	3.4
821014 - 821014	1652 - 2254	3.1	3.3	3.5	2.5	3.3	3.8
821014 - 821015	2255 - 0457	3.1	3.3	3.5	2.3	2.4	2.6
821015 - 821015	0458 - 1100	3.0	3.1	3.2	2.3	2.4	2.7
821015 - 821015	1101 - 1703	3.0	3.0	3.1	2.5	2.9	3.3
821015 - 821015	1704 - 2306	3.0	3.1	3.2	2.4	2.8	3.2
821015 - 821016	2307 - 0509	3.0	3.1	3.2	2.4	2.6	3.0

Table 7.7 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821016 - 821016	0510 - 1112	3.0	3.1	3.2	2.7	2.9	3.1
821016 - 821016	1113 - 1715	3.1	3.1	3.2	2.7	2.9	3.1
821016 - 821016	1716 - 2318	3.1	3.1	3.2	2.7	2.8	3.0
821016 - 821017	2319 - 0521	3.0	3.1	3.2	2.2	2.6	2.9
821017 - 821017	0522 - 1124	3.0	3.1	3.2	2.8	3.0	3.2
821017 - 821017	1125 - 1727	3.1	3.3	3.5	3.0	3.4	3.8
821017 - 821017	1728 - 2330	3.4	3.5	3.6	2.7	3.2	3.8
821017 - 821018	2331 - 0533	3.2	3.4	3.5	2.4	2.6	2.8
821018 - 821018	0534 - 1136	3.1	3.2	3.3	2.3	2.5	2.7
821018 - 821018	1137 - 1739	3.0	3.1	3.2	2.6	3.1	3.4
821018 - 821018	1740 - 2342	3.2	3.3	3.3	2.7	2.9	3.3
821018 - 821019	2343 - 0545	3.2	3.3	3.3	2.7	2.9	3.0
821019 - 821019	0546 - 1148	3.1	3.2	3.3	2.1	2.6	3.0
821019 - 821019	1149 - 1751	2.9	3.0	3.1	2.3	2.8	3.2
821019 - 821019	1752 - 2354	3.0	3.2	3.3	2.8	3.0	3.3
821019 - 821020	2355 - 0557	3.2	3.3	3.4	2.5	2.8	3.0
821020 - 821020	0558 - 1200	3.1	3.2	3.3	2.6	2.7	2.9
821020 - 821020	1201 - 1803	3.1	3.2	3.3	2.7	3.1	3.5
821020 - 821021	1804 - 0006	3.2	3.3	3.4	2.6	2.8	3.2
821021 - 821021	0007 - 0609	3.1	3.2	3.3	2.6	2.7	2.8
821021 - 821021	0610 - 1212	3.1	3.1	3.2	2.6	2.7	2.8
821021 - 821021	1213 - 1815	3.0	3.1	3.1	2.7	2.9	3.2
821021 - 821022	1816 - 0018	3.0	3.2	3.2	2.3	2.6	3.0
821022 - 821022	0019 - 0621	2.9	3.0	3.1	2.2	2.4	2.6
821022 - 821022	0622 - 1224	2.7	2.8	2.9	2.0	2.3	2.6
821022 - 821022	1225 - 1827	2.6	2.8	3.1	2.5	3.1	3.4
821022 - 821023	1828 - 0030	3.1	3.3	3.4	2.5	2.9	3.3
821023 - 821023	0031 - 0633	3.1	3.2	3.2	2.5	2.8	3.0

APPENDIX Table 4-C-2 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821023 - 821023	0634 - 1236	3.0	3.2	3.3	2.4	2.7	2.9
821023 - 821023	1237 - 1839	2.9	3.0	3.2	2.7	3.0	3.2
821023 - 821024	1840 - 0042	3.1	3.2	3.3	2.7	2.8	3.2
821024 - 821024	0043 - 0645	3.0	3.2	3.2	2.6	2.7	2.8
821024 - 821024	0646 - 1248	3.0	3.1	3.1	2.6	2.8	2.9
821024 - 821024	1249 - 1851	3.0	3.1	3.4	2.9	3.2	3.6
821024 - 821025	1852 - 0054	3.3	3.5	3.5	2.5	2.9	3.4
821025 - 821025	0055 - 0657	2.8	3.1	3.4	2.2	2.4	2.7
821025 - 821025	0658 - 1300	2.7	2.8	2.9	2.2	2.6	3.0

Table 4-29 Datapod intragravel and surface water temperature (C) continuous record, at Slough 19, RM 140.0, Geocode S31N02W10DBA.

Note, that time periods are six hours and three minutes in duration; accordingly, daily minimum, maximum and mean values can not be directly calculated from this data.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820821 - 820821	0604 - 1206	2.9	2.9	3.0	3.3	3.5	4.0
820821 - 820821	1207 - 1809	2.8	2.9	2.9	3.3	3.6	5.0
820821 - 820822	1810 - 0012	2.8	2.9	3.0	5.0	7.0	7.7
820822 - 820822	0013 - 0615	2.9	3.0	3.1	4.1	5.4	6.7
820822 - 820822	0616 - 1218	3.0	3.0	3.0	3.3	3.5	4.1
820822 - 820822	1219 - 1821	2.8	2.9	2.9	3.3	3.5	4.9
820822 - 820823	1822 - 0024	2.8	2.9	3.0	4.8	6.6	7.2
820823 - 820823	0025 - 0627	2.9	3.0	3.0	4.5	5.3	6.5
820823 - 820823	0628 - 1230	3.0	3.0	3.0	4.1	4.2	4.5
820823 - 820823	1231 - 1833	2.9	3.0	3.0	4.1	4.8	5.5
820823 - 820824	1834 - 0036	2.9	3.0	3.1	5.4	6.1	6.4
820824 - 820824	0037 - 0639	3.0	3.0	3.1	4.1	4.8	5.8
820824 - 820824	0640 - 1242	3.0	3.0	3.0	3.8	3.9	4.1
820824 - 820824	1243 - 1845	2.9	3.0	3.0	3.9	4.6	6.1
820824 - 820825	1846 - 0048	2.9	3.0	3.1	6.1	6.7	7.3
820825 - 820825	0049 - 0651	3.0	3.1	3.1	4.5	5.3	6.4
820825 - 820825	0652 - 1254	3.0	3.1	3.1	4.1	4.3	4.5
820825 - 820825	1255 - 1857	3.0	3.0	3.1	4.2	5.1	6.2
820825 - 820826	1858 - 0100	3.0	3.0	3.1	6.2	6.9	7.7
820826 - 820826	0101 - 0703	3.1	3.1	3.1	4.4	5.2	6.4
820826 - 820826	0704 - 1306	3.0	3.0	3.1	4.0	4.2	4.4
820826 - 820826	1307 - 1909	2.9	3.0	3.0	4.1	5.2	6.4
820826 - 820827	1910 - 0112	2.9	3.0	3.1	6.0	7.3	8.0
820827 - 820827	0113 - 0715	3.0	3.1	3.1	3.8	4.8	6.0
820827 - 820827	0716 - 1318	3.0	3.0	3.1	3.0	3.3	3.7
820827 - 820827	1319 - 1921	2.9	2.9	3.0	3.1	3.9	6.4
820827 - 820828	1922 - 0124	2.9	2.9	3.0	5.6	6.9	7.6

Table 4-C-29 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820828 - 820828	0125 - 0727	3.0	3.0	3.1	3.6	4.5	5.6
820828 - 820828	0728 - 1330	3.0	3.0	3.0	3.4	3.5	3.8
820828 - 820828	1331 - 1933	2.9	2.9	3.0	3.7	4.3	5.4
820828 - 820829	1934 - 0136	2.9	3.0	3.0	5.4	6.0	6.4
820829 - 820829	0137 - 0739	3.0	3.0	3.0	4.2	4.7	5.6
820829 - 820829	0740 - 1342	3.0	3.0	3.0	3.9	4.0	4.2
820829 - 820829	1343 - 1945	2.9	3.0	3.0	4.1	4.8	5.4
820829 - 820830	1946 - 0148	2.9	3.0	3.0	5.0	5.4	5.7
820830 - 820830	0149 - 0751	2.9	3.0	3.0	4.2	4.5	5.0
820830 - 820830	0752 - 1354	3.0	3.0	3.0	4.1	4.1	4.1
820830 - 820830	1355 - 1957	2.9	3.0	3.0	4.1	4.4	4.7
820830 - 820831	1958 - 0200	2.9	2.9	3.0	4.4	4.7	4.9
820831 - 820831	0201 - 0803	2.9	3.0	3.0	3.8	4.0	4.3
820831 - 820831	0804 - 1406	2.9	2.9	2.9	3.7	3.8	4.0
820831 - 820831	1407 - 2009	2.8	2.9	2.9	4.0	4.6	5.5
820831 - 820901	2010 - 0212	2.9	2.9	3.0	4.5	5.3	5.9
820901 - 820901	0213 - 0815	2.9	2.9	2.9	3.7	4.0	4.5
820901 - 820901	0816 - 1418	2.8	2.9	2.9	3.6	3.7	4.1
820901 - 820901	1419 - 2021	2.8	2.9	3.0	4.1	5.2	6.0
820901 - 820902	2022 - 0224	3.0	3.1	3.2	4.4	5.3	6.0
820902 - 820902	0225 - 0827	3.0	3.1	3.1	3.5	3.8	4.4
820902 - 820902	0828 - 1430	2.9	3.0	3.1	3.4	3.5	3.9
820902 - 820902	1431 - 2033	2.8	2.9	2.9	4.0	5.1	6.4
820902 - 820903	2034 - 0236	2.9	3.0	3.0	4.5	5.7	6.6
820903 - 820903	0237 - 0839	3.0	3.0	3.0	3.9	4.1	4.5
820903 - 820903	0840 - 1442	2.9	2.9	3.0	3.7	3.8	4.0
820903 - 820903	1443 - 2045	2.9	2.9	3.0	4.0	4.6	5.6
820903 - 820904	2046 - 0248	2.9	2.9	3.0	4.3	5.1	5.7

Table 4/29 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820904 - 820904	0249 - 0851	2.9	2.9	3.0	3.6	3.9	4.3
820904 - 820904	0852 - 1454	2.9	2.9	2.9	3.6	3.7	4.0
820904 - 820904	1455 - 2057	2.9	2.9	3.0	4.0	5.0	5.8
820904 - 820905	2058 - 0300	2.9	3.0	3.0	4.2	5.1	6.1
820905 - 820905	0301 - 0903	2.9	3.0	3.0	3.4	3.6	4.2
820905 - 820905	0904 - 1506	2.9	2.9	2.9	3.4	3.6	4.1
820905 - 820905	1507 - 2109	2.9	2.9	3.0	4.1	4.9	5.8
820905 - 820906	2110 - 0312	2.9	3.0	3.0	4.2	4.9	5.8
820906 - 820906	0313 - 0915	3.0	3.0	3.0	3.7	3.9	4.2
820906 - 820906	0916 - 1518	2.9	3.0	3.0	3.6	3.8	4.1
820906 - 820906	1519 - 2121	2.9	3.0	3.0	4.2	4.8	5.1
820906 - 820907	2122 - 0324	2.9	3.0	3.1	4.2	4.7	5.1
820907 - 820907	0325 - 0927	3.0	3.0	3.1	3.9	4.0	4.2
820907 - 820907	0928 - 1530	2.9	3.0	3.1	3.8	4.2	5.2
820907 - 820907	1531 - 2133	3.0	3.0	3.1	5.3	6.3	7.2
820907 - 820908	2134 - 0336	3.1	3.2	3.2	4.8	5.6	6.7
820908 - 820908	0337 - 0939	3.1	3.2	3.2	4.1	4.4	4.8
820908 - 820908	0940 - 1542	3.1	3.1	3.2	4.0	4.1	4.5
820908 - 820908	1543 - 2145	3.1	3.1	3.2	4.5	5.3	5.6
820908 - 820909	2146 - 0348	3.1	3.1	3.2	4.5	5.0	5.5
820909 - 820909	0349 - 0951	3.1	3.1	3.2	4.0	4.2	4.5
820909 - 820909	0952 - 1554	3.0	3.1	3.1	3.9	4.0	4.4
820909 - 820909	1555 - 2157	3.0	3.1	3.1	4.4	5.3	6.2
820909 - 820910	2158 - 0400	3.1	3.1	3.2	4.1	4.6	5.4
820910 - 820910	0401 - 1003	3.1	3.1	3.1	3.6	3.8	4.1
820910 - 820910	1004 - 1606	3.0	3.1	3.1	3.6	3.9	4.4
820910 - 820910	1607 - 2209	3.0	3.1	3.1	4.4	4.9	5.3
820910 - 820911	2210 - 0412	3.0	3.1	3.1	3.8	4.3	5.0

APPENDIX Table 4-C 29 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820911 - 820911	0413 - 1015	3.0	3.1	3.1	3.5	3.6	3.8
820911 - 820911	1016 - 1618	3.0	3.0	3.1	3.4	3.7	4.0
820911 - 820911	1619 - 2221	3.0	3.0	3.0	4.0	4.3	4.5
820911 - 820912	2222 - 0424	3.0	3.0	3.1	3.6	3.9	4.3
820912 - 820912	0425 - 1027	3.0	3.0	3.1	3.3	3.4	3.6
820912 - 820912	1028 - 1630	3.0	3.0	3.0	3.2	3.3	3.3
820912 - 820912	1631 - 2233	2.9	3.0	3.0	3.3	4.4	5.1
820912 - 820913	2234 - 0436	2.9	3.0	3.1	3.7	4.0	4.4
820913 - 820913	0437 - 1039	3.0	3.1	3.1	3.6	3.7	3.8
820913 - 820913	1040 - 1642	3.0	3.0	3.0	3.6	3.7	3.9
820913 - 820913	1643 - 2245	2.9	3.0	3.0	3.9	4.3	5.0
820913 - 820914	2246 - 0448	3.0	3.0	3.1	3.8	3.9	4.1
820914 - 820914	0449 - 1051	3.1	3.1	3.1	3.6	3.7	3.9
820914 - 820914	1052 - 1654	3.1	3.1	3.1	3.5	3.9	4.7
820914 - 820914	1655 - 2257	3.1	3.1	3.2	4.4	4.6	4.7
820914 - 820915	2258 - 0500	3.2	3.2	3.3	4.1	4.2	4.4
820915 - 820915	0501 - 1103	3.3	3.3	3.3	3.9	4.1	4.2
820915 - 820915	1104 - 1706	3.3	3.3	3.4	3.9	4.2	4.7
820915 - 820915	1707 - 2309	3.3	3.4	3.5	4.6	5.1	5.3
820915 - 820916	2310 - 0512	3.5	3.5	3.5	4.3	4.4	4.7
820916 - 820916	0513 - 1115	3.5	3.5	3.5	4.1	4.2	4.4
820916 - 820916	1116 - 1718	3.5	3.5	3.5	4.3	4.4	4.7
820916 - 820916	1719 - 2321	3.5	3.8	4.2	4.5	5.1	5.4
820916 - 820917	2322 - 0524	4.0	4.1	4.2	4.4	4.5	4.9
820917 - 820917	0525 - 1127	3.8	3.9	4.0	4.0	4.2	4.4
820917 - 820917	1128 - 1730	3.7	3.8	3.8	4.0	4.2	4.5
820917 - 820917	1731 - 2333	3.8	3.9	3.9	4.4	4.5	4.6
820917 - 820918	2334 - 0536	3.7	3.8	3.9	4.0	4.1	4.4

Table 4-C-29 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820918 - 820918	0537 - 1139	3.6	3.7	3.7	3.7	3.8	4.0
820918 - 820918	1140 - 1742	3.5	3.6	3.7	3.7	4.1	4.5
820918 - 820918	1743 - 2345	3.6	3.7	3.8	4.1	4.4	4.6
820918 - 820919	2346 - 0548	3.6	3.6	3.7	3.8	3.9	4.2
820919 - 820919	0549 - 1151	3.5	3.5	3.6	3.7	3.7	3.8
820919 - 820919	1152 - 1754	3.5	3.5	3.5	3.7	3.9	4.1
820919 - 820919	1755 - 2357	3.5	3.5	3.6	3.9	4.1	4.2
820919 - 820920	2358 - 0600	3.5	3.5	3.5	3.7	3.8	4.0
820920 - 820920	0601 - 1203	3.4	3.5	3.5	3.6	3.7	3.8
820920 - 820920	1204 - 1806	3.4	3.4	3.5	3.6	3.9	4.4
820920 - 820921	1807 - 0009	3.5	3.5	3.6	4.0	4.3	4.4
820921 - 820921	0010 - 0612	3.5	3.5	3.5	3.7	3.8	4.0
820921 - 820921	0613 - 1215	3.4	3.5	3.5	3.5	3.6	3.7
820921 - 820921	1216 - 1818	3.4	3.5	3.6	3.6	4.0	4.4
820921 - 820922	1819 - 0021	3.5	3.6	3.6	3.9	4.1	4.3
820922 - 820922	0022 - 0624	3.5	3.5	3.5	3.7	3.8	3.9
820922 - 820922	0625 - 1227	3.4	3.5	3.5	3.5	3.6	3.7
820922 - 820922	1228 - 1830	3.4	3.4	3.5	3.5	4.0	4.4
820922 - 820923	1831 - 0033	3.5	3.6	3.7	3.9	4.4	4.9
820923 - 820923	0034 - 0636	3.4	3.5	3.6	3.3	3.5	3.9
820923 - 820923	0637 - 1239	3.3	3.3	3.4	3.2	3.3	3.3
820923 - 820923	1240 - 1842	3.2	3.2	3.3	3.2	3.4	4.2
820923 - 820924	1843 - 0045	3.3	3.4	3.5	3.5	4.1	4.5
820924 - 820924	0046 - 0648	3.1	3.3	3.4	3.0	3.2	3.5
820924 - 820924	0649 - 1251	3.1	3.1	3.1	2.9	3.0	3.0
820924 - 820924	1252 - 1854	3.1	3.2	3.3	3.1	3.6	4.3
820924 - 820925	1855 - 0057	3.3	3.4	3.4	3.4	3.9	4.3

Table 4-129 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820925 - 820925	0058 - 0700	3.2	3.2	3.3	3.1	3.2	3.4
820925 - 820925	0701 - 1303	3.1	3.1	3.2	2.9	3.1	3.2
820925 - 820925	1304 - 1906	3.1	3.2	3.4	3.1	3.5	4.0
820925 - 820926	1907 - 0109	3.3	3.4	3.5	3.4	3.7	3.9
820926 - 820926	0110 - 0712	3.3	3.3	3.4	3.2	3.3	3.4
820926 - 820926	0713 - 1315	3.2	3.3	3.3	3.2	3.3	3.3
820926 - 820926	1316 - 1918	3.2	3.3	3.4	3.3	3.6	3.9
820926 - 820927	1919 - 0121	3.3	3.4	3.4	3.4	3.6	3.8
820927 - 820927	0122 - 0724	3.2	3.3	3.3	3.3	3.4	3.4
820927 - 820927	0725 - 1327	3.3	3.3	3.3	3.3	3.3	3.4
820927 - 820927	1328 - 1930	3.2	3.4	3.5	3.3	3.9	4.4
820927 - 820928	1931 - 0133	3.4	3.5	3.6	3.3	3.9	4.4
820928 - 820928	0134 - 0736	3.1	3.2	3.4	2.9	3.1	3.3
820928 - 820928	0737 - 1339	3.0	3.1	3.1	2.8	2.9	3.1
820928 - 820928	1340 - 1942	3.1	3.2	3.4	3.1	3.5	3.8
820928 - 820929	1943 - 0145	3.3	3.4	3.4	3.2	3.3	3.6
820929 - 820929	0146 - 0748	3.3	3.3	3.3	3.2	3.3	3.3
820929 - 820929	0749 - 1351	3.2	3.3	3.3	3.2	3.2	3.3
820929 - 820929	1352 - 1954	3.2	3.4	3.6	3.3	3.8	4.1
820929 - 820930	1955 - 0157	3.5	3.5	3.6	3.3	3.5	4.0
820930 - 820930	0158 - 0800	3.3	3.4	3.5	3.2	3.3	3.3
820930 - 820930	0801 - 1403	3.2	3.3	3.3	3.2	3.2	3.3
820930 - 820930	1404 - 2006	3.3	3.4	3.6	3.3	3.7	4.1
820930 - 821001	2007 - 0209	-----	-----	-----	3.5	3.7	3.9
821001 - 821001	0210 - 0812	-----	-----	-----	3.4	3.4	3.6
821001 - 821001	0813 - 1415	-----	-----	-----	3.3	3.3	3.5
821001 - 821001	1416 - 2018	-----	-----	-----	3.6	3.9	4.2
821001 - 821002	2019 - 0221	-----	-----	-----	3.2	3.6	4.1

Table 1.1. Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821002 - 821002	0222 - 0824	-----	-----	-----	2.9	3.0	3.2
821002 - 821002	0825 - 1427	-----	-----	-----	2.9	3.0	3.3
821002 - 821002	1428 - 2030	-----	-----	-----	3.3	3.9	4.2
821002 - 821003	2031 - 0233	-----	-----	-----	3.1	3.5	4.1
821003 - 821003	0234 - 0836	-----	-----	-----	2.7	2.9	3.1
821003 - 821003	0837 - 1439	-----	-----	-----	2.7	2.9	3.3
821003 - 821003	1440 - 2042	-----	-----	-----	3.3	3.8	4.2
821003 - 821004	2043 - 0245	-----	-----	-----	3.0	3.4	3.9
821004 - 821004	0246 - 0848	-----	-----	-----	2.5	2.7	2.9
821004 - 821004	0849 - 1451	-----	-----	-----	2.4	2.5	2.8
821004 - 821004	1452 - 2054	-----	-----	-----	2.7	3.3	3.8
821004 - 821005	2055 - 0257	-----	-----	-----	2.4	2.9	3.5
821005 - 821005	0258 - 0900	-----	-----	-----	2.4	2.5	2.7
821005 - 821005	0901 - 1503	-----	-----	-----	2.3	2.5	3.2
821005 - 821005	1504 - 2106	-----	-----	-----	2.5	2.9	3.3
821005 - 821006	2107 - 0309	-----	-----	-----	2.3	2.6	3.3
821006 - 821006	0310 - 0912	-----	-----	-----	2.2	2.3	2.4
821006 - 821006	0913 - 1515	-----	-----	-----	2.2	2.4	2.7
821006 - 821006	1516 - 2118	-----	-----	-----	2.7	3.2	3.4
821006 - 821007	2119 - 0321	-----	-----	-----	2.4	2.6	3.0
821007 - 821007	0322 - 0924	-----	-----	-----	2.3	2.4	2.4
821007 - 821007	0925 - 1527	-----	-----	-----	2.3	2.4	2.6
821007 - 821007	1528 - 2130	-----	-----	-----	2.5	2.8	3.0
821007 - 821008	2131 - 0333	-----	-----	-----	2.3	2.5	2.6
821008 - 821008	0334 - 0936	-----	-----	-----	2.0	2.2	2.4
821008 - 821008	0937 - 1539	-----	-----	-----	1.8	2.3	3.1
821008 - 821008	1540 - 2142	-----	-----	-----	2.8	3.2	3.4
821008 - 821009	2143 - 0345	-----	-----	-----	2.3	2.5	2.8

Ann. 2012 Table 4 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821009 - 821009	0346 - 0948	-----	-----	-----	2.2	2.3	2.4
821009 - 821009	0949 - 1551	-----	-----	-----	2.2	2.5	3.0
821009 - 821009	1552 - 2154	-----	-----	-----	2.7	3.0	3.2
821009 - 821010	2155 - 0357	-----	-----	-----	2.4	2.5	2.7
821010 - 821010	0358 - 1000	-----	-----	-----	2.3	2.4	2.5
821010 - 821010	1001 - 1603	-----	-----	-----	2.2	2.5	2.8
821010 - 821010	1604 - 2206	-----	-----	-----	2.3	2.6	2.9
821010 - 821011	2207 - 0409	-----	-----	-----	2.3	2.4	2.5
821011 - 821011	0410 - 1012	-----	-----	-----	2.4	2.5	2.5
821011 - 821011	1013 - 1615	-----	-----	-----	2.4	2.7	3.1
821011 - 821011	1616 - 2218	-----	-----	-----	2.4	2.8	3.2
821011 - 821012	2219 - 0421	-----	-----	-----	2.2	2.3	2.4
821012 - 821012	0422 - 1024	-----	-----	-----	2.0	2.1	2.2
821012 - 821012	1025 - 1627	-----	-----	-----	2.0	2.3	2.7
821012 - 821012	1628 - 2230	-----	-----	-----	2.4	2.6	2.7
821012 - 821013	2231 - 0433	-----	-----	-----	1.5	2.1	2.4
821013 - 821013	0434 - 1036	-----	-----	-----	1.6	1.8	2.0
821013 - 821013	1037 - 1639	-----	-----	-----	2.0	2.4	2.9
821013 - 821013	1640 - 2242	-----	-----	-----	2.3	2.7	3.0
821013 - 821014	2243 - 0445	-----	-----	-----	2.0	2.1	2.4
821014 - 821014	0446 - 1048	-----	-----	-----	2.0	2.1	2.1
821014 - 821014	1049 - 1651	-----	-----	-----	2.1	2.7	3.6
821014 - 821014	1652 - 2254	-----	-----	-----	2.6	3.3	3.8
821014 - 821015	2255 - 0457	-----	-----	-----	2.5	2.6	2.7
821015 - 821015	0458 - 1100	-----	-----	-----	2.5	2.6	2.6
821015 - 821015	1101 - 1703	-----	-----	-----	2.5	3.0	3.3
821015 - 821015	1704 - 2306	-----	-----	-----	2.4	2.8	3.1
821015 - 821016	2307 - 0509	-----	-----	-----	2.3	2.5	2.7

Table 4-C-29 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821016 - 821016	0510 - 1112	-----	-----	-----	2.0	2.2	2.4
821016 - 821016	1113 - 1715	-----	-----	-----	2.0	2.1	2.2
821016 - 821016	1716 - 2318	-----	-----	-----	1.8	2.1	2.3
821016 - 821017	2319 - 0521	-----	-----	-----	1.8	1.8	1.9
821017 - 821017	0522 - 1124	-----	-----	-----	1.8	1.9	1.9
821017 - 821017	1125 - 1727	-----	-----	-----	1.9	2.5	3.1
821017 - 821017	1728 - 2330	-----	-----	-----	2.2	2.6	3.1
821017 - 821018	2331 - 0533	-----	-----	-----	2.1	2.3	2.4
821018 - 821018	0534 - 1136	-----	-----	-----	2.3	2.4	2.4
821018 - 821018	1137 - 1739	-----	-----	-----	2.3	2.6	2.9
821018 - 821018	1740 - 2342	-----	-----	-----	2.0	2.3	2.6
821018 - 821019	2343 - 0545	-----	-----	-----	1.6	1.8	2.0
821019 - 821019	0546 - 1148	-----	-----	-----	1.5	1.6	1.7
821019 - 821019	1149 - 1751	-----	-----	-----	1.5	1.8	2.2
821019 - 821019	1752 - 2354	-----	-----	-----	1.4	1.8	2.2
821019 - 821020	2355 - 0557	-----	-----	-----	1.4	1.5	1.6
821020 - 821020	0558 - 1200	-----	-----	-----	1.5	1.5	1.7
821020 - 821020	1201 - 1803	-----	-----	-----	1.7	2.0	2.3
821020 - 821021	1804 - 0006	-----	-----	-----	1.9	2.0	2.1
821021 - 821021	0007 - 0609	-----	-----	-----	1.9	2.1	2.2
821021 - 821021	0610 - 1212	-----	-----	-----	2.1	2.3	2.4
821021 - 821021	1213 - 1815	-----	-----	-----	2.0	2.3	2.4
821021 - 821022	1816 - 0018	-----	-----	-----	1.7	1.8	2.0
821022 - 821022	0019 - 0621	-----	-----	-----	1.7	1.7	1.8
821022 - 821022	0622 - 1224	-----	-----	-----	1.7	1.8	2.0
821022 - 821022	1225 - 1827	-----	-----	-----	2.0	2.1	2.3
821022 - 821023	1828 - 0030	-----	-----	-----	1.7	1.9	2.0
821023 - 821023	0031 - 0633	-----	-----	-----	1.9	2.0	2.2

Table 4-C-29 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821023 - 821023	0634 - 1236	-----	-----	-----	2.1	2.1	2.2
821023 - 821023	1237 - 1839	-----	-----	-----	2.0	2.1	2.2
821023 - 821024	1840 - 0042	-----	-----	-----	1.9	1.9	2.1
821024 - 821024	0043 - 0645	-----	-----	-----	2.0	2.0	2.1
821024 - 821024	0646 - 1248	-----	-----	-----	2.0	2.0	2.1
821024 - 821024	1249 - 1851	-----	-----	-----	2.1	2.3	2.4
821024 - 821025	1852 - 0054	-----	-----	-----	2.2	2.3	2.4
821025 - 821025	0055 - 0657	-----	-----	-----	2.2	2.3	2.4
821025 - 821025	0658 - 1300	-----	-----	-----	2.0	2.1	2.3

Table 4/ 18 Datapod intragravel and surface water temperature (C) continuous record, at Slough 21-Mouth, RM 141.8, Geocode S31N02W02AAB.
Note, that time periods are six hours and three minutes in duration; accordingly, daily minimum, maximum and mean values can not be directly calculated from this data.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820917 - 820917	0604 - 1206	3.7	6.2	7.4	6.8	7.2	7.5
820917 - 820917	1207 - 1809	6.7	6.9	7.1	6.6	6.7	6.9
820917 - 820918	1810 - 0012	6.8	6.9	7.0	6.6	6.8	6.9
820918 - 820918	0013 - 0615	6.1	6.4	6.8	6.0	6.3	6.6
820918 - 820918	0616 - 1218	5.5	5.8	6.1	5.3	5.7	6.1
820918 - 820918	1219 - 1821	5.2	5.5	5.7	5.1	5.4	5.7
820918 - 820919	1822 - 0024	5.2	5.5	5.8	4.7	5.3	5.7
820919 - 820919	0025 - 0627	4.5	4.8	5.2	4.3	4.5	4.7
820919 - 820919	0628 - 1230	4.4	4.5	4.6	4.5	5.1	5.9
820919 - 820919	1231 - 1833	3.6	4.4	5.4	4.5	5.5	7.1
820919 - 820920	1834 - 0036	3.6	3.7	3.7	4.7	5.0	5.3
820920 - 820920	0037 - 0639	3.6	3.7	3.7	4.7	4.9	5.1
820920 - 820920	0640 - 1242	3.6	3.6	3.7	4.5	4.8	5.3
820920 - 820920	1243 - 1845	3.6	3.7	3.7	4.5	5.0	5.6
820920 - 820921	1846 - 0048	3.6	3.7	3.7	4.6	5.1	5.6
820921 - 820921	0049 - 0651	3.6	3.7	3.7	4.5	4.6	4.8
820921 - 820921	0652 - 1254	3.6	3.7	3.7	4.4	4.6	4.9
820921 - 820921	1255 - 1857	3.6	3.6	3.7	4.6	5.3	5.8
820921 - 820922	1858 - 0100	3.6	3.6	3.7	4.9	5.2	5.6
820922 - 820922	0101 - 0703	3.6	3.7	3.7	4.2	4.6	5.0
820922 - 820922	0704 - 1306	3.6	3.6	3.7	3.5	3.9	4.3
820922 - 820922	1307 - 1909	3.6	3.7	3.7	3.7	4.4	4.9
820922 - 820923	1910 - 0112	3.6	3.6	3.7	3.6	4.6	5.3
820923 - 820923	0113 - 0715	3.6	3.6	3.7	3.2	3.3	3.5
820923 - 820923	0716 - 1318	3.6	3.6	3.7	2.6	2.9	3.2
820923 - 820923	1319 - 1921	3.6	3.6	3.7	2.6	3.1	4.0
820923 - 820924	1922 - 0124	3.6	3.7	3.7	3.2	4.3	5.2

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Table 4-C-20 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820924 - 820924	0125 - 0727	3.6	3.6	3.7	2.5	2.7	3.2
820924 - 820924	0728 - 1330	3.6	3.6	3.7	2.3	2.4	2.6
820924 - 820924	1331 - 1933	3.6	3.6	3.7	2.4	3.4	4.7
820924 - 820925	1934 - 0136	3.6	3.6	3.7	3.5	4.2	4.9
820925 - 820925	0137 - 0739	3.6	3.6	3.7	2.9	3.1	3.5
820925 - 820925	0740 - 1342	3.6	3.7	3.7	2.6	2.8	3.1
820925 - 820925	1343 - 1945	3.6	3.6	3.7	2.6	3.7	4.7
820925 - 820926	1946 - 0148	3.6	3.6	3.7	3.7	4.1	4.5
820926 - 820926	0149 - 0751	3.6	3.7	3.7	3.2	3.5	3.6
820926 - 820926	0752 - 1354	3.6	3.7	3.7	3.2	3.3	3.4
820926 - 820926	1355 - 1957	3.6	3.6	3.7	3.4	3.9	4.3
820926 - 820927	1958 - 0200	3.6	3.7	3.7	3.5	3.8	4.2
820927 - 820927	0201 - 0803	3.6	3.6	3.7	3.5	3.5	3.5
820927 - 820927	0804 - 1406	3.6	3.6	3.6	3.4	3.4	3.5
820927 - 820927	1407 - 2009	3.6	3.7	3.7	3.5	4.2	5.0
820927 - 820928	2010 - 0212	3.6	3.6	3.7	3.0	3.9	4.6
820928 - 820928	0213 - 0815	3.6	3.6	3.7	2.6	2.7	2.9
820928 - 820928	0816 - 1418	3.6	3.7	3.7	2.4	2.5	2.8
820928 - 820928	1419 - 2021	3.6	3.7	3.7	2.9	3.7	4.2
820928 - 820929	2022 - 0224	3.6	3.6	3.7	3.4	3.6	3.9
820929 - 820929	0225 - 0827	3.6	3.7	3.7	3.3	3.4	3.4
820929 - 820929	0828 - 1430	3.7	3.7	3.7	3.3	3.3	3.5
820929 - 820929	1431 - 2033	3.6	3.7	3.7	3.5	4.2	4.8
820929 - 820930	2034 - 0236	3.6	3.7	3.7	3.5	3.9	4.6
820930 - 820930	0237 - 0839	3.6	3.7	3.7	3.4	3.5	3.6
820930 - 820930	0840 - 1442	3.6	3.7	3.7	3.4	3.4	3.6
820930 - 820930	1443 - 2045	3.6	3.7	3.7	3.7	4.4	5.1
820930 - 821001	2046 - 0248	3.6	3.7	3.7	3.5	3.9	4.7

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Table 11-20 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821001 - 821001	0249 - 0851	3.6	3.7	3.7	3.4	3.4	3.5
821001 - 821001	0852 - 1454	3.6	3.7	3.7	3.3	3.4	3.5
821001 - 821001	1455 - 2057	3.6	3.7	3.7	3.5	4.0	4.3
821001 - 821002	2058 - 0300	3.6	3.7	3.7	3.1	3.6	4.2
821002 - 821002	0301 - 0903	3.7	3.7	3.7	3.1	3.2	3.2
821002 - 821002	0904 - 1506	3.7	3.7	3.7	3.0	3.2	3.6
821002 - 821002	1507 - 2109	3.6	3.6	3.7	3.7	4.3	4.6
821002 - 821003	2110 - 0312	3.6	3.7	3.7	3.3	3.6	4.2
821003 - 821003	0313 - 0915	3.7	3.7	3.7	2.8	3.0	3.3
821003 - 821003	0916 - 1518	3.7	3.7	3.7	3.0	3.1	3.5
821003 - 821003	1519 - 2121	3.6	3.7	3.7	3.6	4.1	4.5
821003 - 821004	2122 - 0324	3.1	3.7	3.7	2.8	3.4	4.2
821004 - 821004	0325 - 0927	2.6	2.8	3.1	2.3	2.6	2.9
821004 - 821004	0928 - 1530	2.4	2.6	2.8	2.2	2.3	2.5
821004 - 821004	1531 - 2133	2.8	3.6	4.5	2.4	3.3	4.3
821004 - 821005	2134 - 0336	2.7	3.2	4.2	2.4	2.9	3.9
821005 - 821005	0337 - 0939	2.7	2.9	3.1	2.4	2.5	2.6
821005 - 821005	0940 - 1542	2.6	2.8	3.0	2.2	2.3	2.6
821005 - 821005	1543 - 2145	2.8	3.2	3.8	2.4	2.8	3.5
821005 - 821006	2146 - 0348	2.5	2.8	3.7	2.1	2.4	3.5
821006 - 821006	0349 - 0951	2.4	2.5	2.7	2.0	2.1	2.2
821006 - 821006	0952 - 1554	2.4	2.7	3.3	2.0	2.3	3.0
821006 - 821006	1555 - 2157	3.2	3.7	3.9	2.8	3.4	3.7
821006 - 821007	2158 - 0400	2.9	3.1	3.5	2.6	2.8	3.3
821007 - 821007	0401 - 1003	2.7	2.8	3.0	2.4	2.5	2.6
821007 - 821007	1004 - 1606	2.7	2.9	3.1	2.3	2.6	2.7
821007 - 821007	1607 - 2209	3.0	3.4	3.8	2.6	3.1	3.6
821007 - 821008	2210 - 0412	2.7	3.1	3.4	2.4	2.8	3.1

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Table 4.6 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821008 - 821008	0413 - 1015	2.6	2.8	3.0	2.2	2.5	2.7
821008 - 821008	1016 - 1618	2.8	3.0	3.6	2.5	2.7	3.4
821008 - 821008	1619 - 2221	3.3	3.8	4.1	3.0	3.6	3.9
821008 - 821009	2222 - 0424	1.9	2.8	3.3	1.5	2.4	3.0
821009 - 821009	0425 - 1027	2.0	2.4	2.8	1.5	2.0	2.5
821009 - 821009	1028 - 1630	2.8	3.1	3.6	2.5	2.8	3.4
821009 - 821009	1631 - 2233	3.4	3.7	3.9	3.1	3.5	3.7
821009 - 821010	2234 - 0436	3.1	3.2	3.4	2.7	2.8	3.1
821010 - 821010	0437 - 1039	3.0	3.1	3.2	2.7	2.7	2.8
821010 - 821010	1040 - 1642	3.0	3.3	3.6	2.6	2.9	3.5
821010 - 821010	1643 - 2245	3.0	3.4	3.6	2.6	3.1	3.4
821010 - 821011	2246 - 0448	2.8	2.9	3.0	2.5	2.6	2.7
821011 - 821011	0449 - 1051	2.6	2.8	2.9	2.3	2.4	2.5
821011 - 821011	1052 - 1654	2.7	2.9	3.2	2.3	2.5	2.9
821011 - 821011	1655 - 2257	1.7	3.1	3.5	1.2	2.8	3.3
821011 - 821012	2258 - 0500	2.2	2.8	3.1	1.6	2.4	2.7
821012 - 821012	0501 - 1103	2.3	2.6	3.0	1.8	2.2	2.6
821012 - 821012	1104 - 1706	2.6	2.9	3.5	2.2	2.6	3.3
821012 - 821012	1707 - 2309	3.3	3.5	3.6	3.0	3.2	3.3
821012 - 821013	2310 - 0512	2.2	3.0	3.3	1.7	2.6	3.0
821013 - 821013	0513 - 1115	2.8	2.9	3.0	2.4	2.5	2.6
821013 - 821013	1116 - 1718	2.9	3.0	3.2	2.6	2.7	2.8
821013 - 821013	1719 - 2321	2.8	3.1	3.4	2.4	2.8	3.1
821013 - 821014	2322 - 0524	2.7	2.9	3.0	2.3	2.5	2.6
821014 - 821014	0525 - 1127	2.4	2.7	2.8	1.9	2.3	2.4
821014 - 821014	1128 - 1730	2.3	2.9	3.6	1.8	2.5	3.3
821014 - 821014	1731 - 2333	2.6	3.4	3.9	2.1	3.1	3.7
821014 - 821015	2334 - 0536	2.1	2.3	2.6	1.5	1.7	2.1

Table 4 - 10 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821015 - 821015	0537 - 1139	1.8	1.9	2.1	1.2	1.3	1.5
821015 - 821015	1140 - 1742	1.7	2.0	2.6	1.1	1.4	1.8
821015 - 821015	1743 - 2345	2.4	2.7	2.9	1.6	2.0	2.4
821015 - 821016	2346 - 0548	2.3	2.3	2.4	1.5	1.6	1.6
821016 - 821016	0549 - 1151	2.4	2.6	2.7	1.6	2.0	2.2
821016 - 821016	1152 - 1754	2.6	2.8	2.9	1.9	2.3	2.5
821016 - 821016	1755 - 2357	2.6	2.8	3.0	1.9	2.2	2.5
821016 - 821017	2358 - 0600	2.5	2.8	3.0	1.9	2.2	2.5
821017 - 821017	0601 - 1203	2.8	3.0	3.1	2.3	2.5	2.6
821017 - 821017	1204 - 1806	3.0	3.4	3.8	2.6	3.0	3.6
821017 - 821018	1807 - 0009	2.6	3.2	3.5	1.9	2.7	3.2
821018 - 821018	0010 - 0612	2.3	2.4	2.6	1.6	1.7	1.9
821018 - 821018	0613 - 1215	2.2	2.3	2.3	1.5	1.5	1.6
821018 - 821018	1216 - 1818	2.3	2.8	3.3	1.6	2.2	2.8
821018 - 821019	1819 - 0021	2.7	2.9	3.1	2.1	2.4	2.6
821019 - 821019	0022 - 0624	2.7	2.8	3.0	2.1	2.3	2.5
821019 - 821019	0625 - 1227	2.1	2.7	3.0	1.3	2.1	2.5
821019 - 821019	1228 - 1830	2.1	2.7	3.3	1.3	2.1	2.9
821019 - 821020	1831 - 0033	2.7	3.2	3.5	2.2	2.7	3.0
821020 - 821020	0034 - 0636	2.4	2.7	2.9	1.8	2.1	2.4
821020 - 821020	0637 - 1239	2.3	2.6	2.7	1.6	1.9	2.1
821020 - 821020	1240 - 1842	2.2	2.7	3.0	1.6	2.1	2.5
821020 - 821021	1843 - 0045	2.0	2.5	2.9	1.3	1.9	2.4
821021 - 821021	0046 - 0648	1.7	1.9	2.0	.9	1.1	1.2
821021 - 821021	0649 - 1251	1.7	1.8	1.9	.9	1.0	1.1
821021 - 821021	1252 - 1854	1.8	2.0	2.2	1.0	1.2	1.5
821021 - 821022	1855 - 0057	1.5	1.7	2.0	.6	.8	1.1

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Table 4-5-53 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821022 - 821022	0058 - 0700	1.5	1.6	1.7	.6	.7	.8
821022 - 821022	0701 - 1303	1.5	1.7	1.9	.6	.8	1.0
821022 - 821022	1304 - 1906	1.8	2.1	2.3	.9	1.3	1.5
821022 - 821023	1907 - 0109	1.7	3.5	3.6	.9	1.2	1.4
821023 - 821023	0110 - 0712	3.6	3.6	3.6	.9	1.0	1.1
821023 - 821023	0713 - 1315	3.6	3.6	3.6	.9	.9	1.0
821023 - 821023	1316 - 1918	3.6	3.6	3.7	.8	1.0	1.2
821023 - 821024	1919 - 0121	3.6	3.6	3.6	.6	.9	1.1
821024 - 821024	0122 - 0724	3.6	3.6	3.7	.3	.5	.8
821024 - 821024	0725 - 1327	3.6	3.6	3.6	.8	1.1	1.2
821024 - 821024	1328 - 1930	3.6	3.6	3.7	1.1	1.4	1.9
821024 - 821025	1931 - 0133	3.6	3.6	3.7	.8	1.4	1.9
821025 - 821025	0134 - 0736	3.6	3.7	3.7	.7	.9	1.0
821025 - 821025	0737 - 1339	3.7	3.7	3.7	.8	1.1	1.3

Table 4 / Datapod intragravel and surface water temperature (C) continuous record, at Slough 21-Upper, RM 142.0, Geocode S32N02W36CCC.
Note, that time periods are six hours and three minutes in duration; accordingly, daily minimum, maximum and mean values can not be directly calculated from this data.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820821 - 820821	0604 - 1206	3.7	3.7	3.8	4.1	4.3	4.7
820821 - 820821	1207 - 1809	3.7	3.7	3.8	4.2	4.7	6.6
820821 - 820822	1810 - 0012	3.7	3.7	3.8	6.6	7.4	8.0
820822 - 820822	0013 - 0615	3.7	3.7	3.8	4.6	5.2	6.6
820822 - 820822	0616 - 1218	3.7	3.7	3.8	4.0	4.2	4.6
820822 - 820822	1219 - 1821	3.7	3.7	3.8	4.0	4.6	6.8
820822 - 820823	1822 - 0024	3.7	3.7	3.8	6.3	7.2	7.7
820823 - 820823	0025 - 0627	3.7	3.7	3.8	5.1	5.5	6.3
820823 - 820823	0628 - 1230	3.7	3.8	3.8	4.9	5.0	5.1
820823 - 820823	1231 - 1833	3.7	3.7	3.8	4.9	5.4	6.0
820823 - 820824	1834 - 0036	3.7	3.7	3.8	5.9	6.5	7.0
820824 - 820824	0037 - 0639	3.7	3.8	3.8	4.8	5.1	5.8
820824 - 820824	0640 - 1242	3.7	3.8	3.9	4.7	4.8	4.9
820824 - 820824	1243 - 1845	3.8	4.0	4.3	4.8	5.5	6.9
820824 - 820825	1846 - 0048	4.1	4.3	4.4	6.4	7.2	7.7
820825 - 820825	0049 - 0651	3.9	4.0	4.2	5.1	5.5	6.5
820825 - 820825	0652 - 1254	3.9	4.0	4.0	4.9	5.1	5.2
820825 - 820825	1255 - 1857	3.9	4.1	4.3	5.0	6.0	7.0
820825 - 820826	1858 - 0100	4.2	4.4	4.6	6.1	7.4	8.2
820826 - 820826	0101 - 0703	4.0	4.1	4.2	5.1	5.5	6.1
820826 - 820826	0704 - 1306	4.0	4.0	4.1	5.0	5.1	5.2
820826 - 820826	1307 - 1909	3.9	4.2	4.5	5.1	6.2	7.7
820826 - 820827	1910 - 0112	4.2	4.4	4.6	6.1	7.6	8.4
820827 - 820827	0113 - 0715	3.9	4.0	4.2	4.5	5.1	6.0
820827 - 820827	0716 - 1318	3.8	3.9	4.0	4.0	4.2	4.5
820827 - 820827	1319 - 1921	3.8	4.0	4.4	4.1	5.3	7.6
820827 - 820828	1922 - 0124	4.1	4.3	4.6	5.6	7.4	8.4

Table 4-2-1 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820828 - 820828	0125 - 0727	3.8	4.0	4.1	4.4	4.8	5.6
820828 - 820828	0728 - 1330	3.8	3.9	3.9	4.3	4.5	4.7
820828 - 820828	1331 - 1933	3.8	4.0	4.2	4.7	5.3	6.4
820828 - 820829	1934 - 0136	4.1	4.2	4.3	5.7	6.5	7.2
820829 - 820829	0137 - 0739	3.9	4.0	4.1	4.8	5.0	5.6
820829 - 820829	0740 - 1342	3.8	3.9	4.0	4.7	4.7	4.9
820829 - 820829	1343 - 1945	3.9	4.0	4.2	4.9	5.6	6.3
820829 - 820830	1946 - 0148	4.0	4.1	4.2	5.3	6.0	6.3
820830 - 820830	0149 - 0751	3.9	4.0	4.0	4.8	5.0	5.2
820830 - 820830	0752 - 1354	3.9	4.0	4.0	4.8	4.9	4.9
820830 - 820830	1355 - 1957	3.9	4.0	4.1	4.9	5.3	5.5
820830 - 820831	1958 - 0200	3.9	4.0	4.1	5.0	5.5	5.6
820831 - 820831	0201 - 0803	3.8	3.9	4.0	4.7	4.8	5.0
820831 - 820831	0804 - 1406	3.9	3.9	4.0	4.6	4.7	4.9
820831 - 820831	1407 - 2009	3.9	4.0	4.2	4.9	5.6	6.6
820831 - 820901	2010 - 0212	3.9	4.1	4.3	4.9	6.1	6.8
820901 - 820901	0213 - 0815	3.9	3.9	4.0	4.7	4.8	5.0
820901 - 820901	0816 - 1418	3.8	3.9	4.0	4.7	4.8	5.3
820901 - 820901	1419 - 2021	4.0	4.2	4.3	5.3	6.3	7.0
820901 - 820902	2022 - 0224	3.9	4.1	4.3	4.8	6.0	7.0
820902 - 820902	0225 - 0827	3.9	3.9	4.0	4.6	4.7	4.8
820902 - 820902	0828 - 1430	3.8	3.9	3.9	4.5	4.6	4.8
820902 - 820902	1431 - 2033	3.9	4.1	4.3	4.9	6.1	7.2
820902 - 820903	2034 - 0236	4.0	4.1	4.3	5.2	6.2	7.1
820903 - 820903	0237 - 0839	3.9	4.0	4.0	4.8	4.9	5.2
820903 - 820903	0840 - 1442	3.9	3.9	3.9	4.7	4.8	4.9
820903 - 820903	1443 - 2045	3.9	4.0	4.1	4.9	5.5	6.5
820903 - 820904	2046 - 0248	3.8	4.0	4.1	4.7	5.6	6.5

Table 4.1.1 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820904 - 820904	0249 - 0851	3.8	3.9	3.9	4.4	4.5	4.7
820904 - 820904	0852 - 1454	3.8	3.9	3.9	4.3	4.5	4.8
820904 - 820904	1455 - 2057	3.8	4.0	4.1	4.8	5.7	6.8
820904 - 820905	2058 - 0300	3.8	4.0	4.1	4.6	5.6	6.8
820905 - 820905	0301 - 0903	3.8	3.9	3.9	4.1	4.3	4.6
820905 - 820905	0904 - 1506	3.8	3.9	3.9	4.3	4.5	5.0
820905 - 820905	1507 - 2109	3.8	3.9	4.1	5.0	5.6	6.4
820905 - 820906	2110 - 0312	3.9	4.0	4.1	4.9	5.5	6.4
820906 - 820906	0313 - 0915	3.9	3.9	3.9	4.7	4.8	5.0
820906 - 820906	0916 - 1518	3.8	3.9	3.9	4.6	4.7	4.9
820906 - 820906	1519 - 2121	3.9	3.9	4.0	4.9	5.5	5.9
820906 - 820907	2122 - 0324	3.8	3.9	4.0	4.5	5.1	5.7
820907 - 820907	0325 - 0927	3.8	3.8	3.9	4.5	4.5	4.6
820907 - 820907	0928 - 1530	3.8	3.8	4.0	4.5	4.7	5.6
820907 - 820907	1531 - 2133	3.9	4.0	4.1	5.7	6.5	7.3
820907 - 820908	2134 - 0336	3.9	3.9	4.1	4.8	5.4	6.8
820908 - 820908	0337 - 0939	3.8	3.9	3.9	4.6	4.7	4.8
820908 - 820908	0940 - 1542	3.8	3.9	3.9	4.5	4.7	5.1
820908 - 820908	1543 - 2145	3.9	3.9	4.0	5.1	5.7	6.0
820908 - 820909	2146 - 0348	3.8	3.9	4.0	4.7	5.0	5.6
820909 - 820909	0349 - 0951	3.8	3.9	3.9	4.6	4.6	4.7
820909 - 820909	0952 - 1554	3.8	3.9	3.9	4.6	4.7	5.0
820909 - 820909	1555 - 2157	3.9	4.0	4.1	5.1	5.9	6.6
820909 - 820910	2158 - 0400	3.8	3.9	4.0	4.5	5.0	5.9
820910 - 820910	0401 - 1003	3.8	3.9	3.9	4.4	4.5	4.6
820910 - 820910	1004 - 1606	3.8	3.8	3.9	4.3	4.6	5.4
820910 - 820910	1607 - 2209	3.9	3.9	4.0	5.4	5.9	6.3
820910 - 820911	2210 - 0412	3.8	3.9	3.9	4.4	4.8	5.7

Table 4-15 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820911 - 820911	0413 - 1015	3.8	3.9	3.9	4.2	4.3	4.4
820911 - 820911	1016 - 1618	3.8	3.8	3.9	4.2	4.4	4.7
820911 - 820911	1619 - 2221	3.8	3.8	3.9	4.7	4.9	5.1
820911 - 820912	2222 - 0424	3.8	3.8	3.9	4.2	4.5	4.9
820912 - 820912	0425 - 1027	3.8	3.8	3.9	3.8	4.1	4.2
820912 - 820912	1028 - 1630	3.7	3.8	3.9	3.6	3.6	3.9
820912 - 820912	1631 - 2233	3.7	3.8	3.9	3.9	5.3	6.1
820912 - 820913	2234 - 0436	3.8	3.8	3.9	4.3	4.5	5.1
820913 - 820913	0437 - 1039	3.8	3.8	3.8	4.2	4.3	4.3
820913 - 820913	1040 - 1642	3.8	3.8	3.9	4.2	4.3	4.6
820913 - 820913	1643 - 2245	3.8	3.8	3.9	4.7	5.1	5.7
820913 - 820914	2246 - 0448	3.8	3.9	3.9	4.6	4.7	4.9
820914 - 820914	0449 - 1051	3.8	3.9	3.9	4.5	4.6	4.7
820914 - 820914	1052 - 1654	3.8	3.8	3.9	4.5	4.7	5.6
820914 - 820914	1655 - 2257	3.8	3.8	3.9	5.0	5.3	5.6
820914 - 820915	2258 - 0500	3.8	3.8	3.9	4.8	4.9	5.1
820915 - 820915	0501 - 1103	3.9	3.9	3.9	4.8	4.8	4.9
820915 - 820915	1104 - 1706	3.8	5.0	5.8	4.9	6.5	7.4
820915 - 820915	1707 - 2309	5.6	5.8	6.0	7.4	7.6	7.8
820915 - 820916	2310 - 0512	5.8	6.0	6.2	7.7	8.0	8.2
820916 - 820916	0513 - 1115	5.9	6.1	6.3	8.0	8.1	8.3
820916 - 820916	1116 - 1718	5.6	6.2	6.9	7.8	7.9	8.1
820916 - 820916	1719 - 2321	6.8	7.3	7.5	7.8	7.9	8.0
820916 - 820917	2322 - 0524	7.2	7.4	7.5	7.8	7.8	7.9
820917 - 820917	0525 - 1127	6.0	6.9	7.4	7.2	7.5	7.8
820917 - 820917	1128 - 1730	5.8	6.6	6.9	7.0	7.1	7.3
820917 - 820917	1731 - 2333	5.8	6.3	6.5	7.0	7.2	7.3
820917 - 820918	2334 - 0536	5.3	5.6	5.9	6.6	6.8	7.0

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Table 4-15, Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820918 - 820918	0537 - 1139	4.6	5.0	5.3	5.6	6.1	6.6
820918 - 820918	1140 - 1742	4.5	4.6	4.8	5.4	5.7	6.2
820918 - 820918	1743 - 2345	4.4	4.6	4.8	5.2	5.7	6.2
820918 - 820919	2346 - 0548	4.1	4.3	4.4	4.6	4.8	5.2
820919 - 820919	0549 - 1151	4.0	4.1	4.1	4.3	4.5	4.6
820919 - 820919	1152 - 1754	4.0	4.2	4.3	4.4	4.7	5.0
820919 - 820919	1755 - 2357	4.2	4.3	4.4	4.8	5.0	5.1
820919 - 820920	2358 - 0600	4.1	4.1	4.2	4.4	4.5	4.8
820920 - 820920	0601 - 1203	4.0	4.1	4.1	4.3	4.3	4.5
820920 - 820920	1204 - 1806	4.0	4.2	4.5	4.3	4.8	5.4
820920 - 820921	1807 - 0009	4.2	4.4	4.5	4.7	5.1	5.4
820921 - 820921	0010 - 0612	4.0	4.1	4.2	4.3	4.5	4.7
820921 - 820921	0613 - 1215	3.9	4.0	4.1	4.1	4.2	4.3
820921 - 820921	1216 - 1818	4.0	4.2	4.4	4.1	4.7	5.3
820921 - 820922	1819 - 0021	4.1	4.3	4.4	4.6	4.9	5.1
820922 - 820922	0022 - 0624	4.0	4.1	4.2	4.2	4.4	4.6
820922 - 820922	0625 - 1227	3.8	3.9	4.0	3.8	4.0	4.2
820922 - 820922	1228 - 1830	3.9	4.2	4.4	3.9	4.6	5.1
820922 - 820923	1831 - 0033	3.9	4.3	4.5	4.1	4.9	5.5
820923 - 820923	0034 - 0636	3.7	3.8	4.0	3.5	3.7	4.0
820923 - 820923	0637 - 1239	3.5	3.6	3.8	2.9	3.2	3.5
820923 - 820923	1240 - 1842	3.5	3.8	4.4	3.0	3.6	5.1
820923 - 820924	1843 - 0045	3.8	4.2	4.4	3.6	4.6	5.2
820924 - 820924	0046 - 0648	3.5	3.6	3.8	2.8	3.1	3.6
820924 - 820924	0649 - 1251	3.3	3.4	3.5	2.6	2.7	2.8
820924 - 820924	1252 - 1854	3.4	3.8	4.4	2.7	3.8	5.0
820924 - 820925	1855 - 0057	3.8	4.1	4.3	3.8	4.3	4.9

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Table 4-15, Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
820925 - 820925	0058 - 0700	3.6	3.7	3.9	3.2	3.4	3.8
820925 - 820925	0701 - 1303	3.4	3.5	3.7	2.7	3.0	3.3
820925 - 820925	1304 - 1906	3.5	3.9	4.2	2.9	3.9	4.6
820925 - 820926	1907 - 0109	3.9	4.0	4.2	3.9	4.2	4.6
820926 - 820926	0110 - 0712	3.7	3.8	3.9	3.5	3.7	3.9
820926 - 820926	0713 - 1315	3.7	3.7	3.8	3.5	3.5	3.6
820926 - 820926	1316 - 1918	3.8	4.0	4.1	3.6	4.0	4.3
820926 - 820927	1919 - 0121	3.8	4.0	4.1	3.8	4.0	4.3
820927 - 820927	0122 - 0724	3.8	3.9	3.9	3.6	3.7	3.8
820927 - 820927	0725 - 1327	3.8	3.8	3.9	3.6	3.6	3.7
820927 - 820927	1328 - 1930	3.8	4.1	4.3	3.7	4.3	4.8
820927 - 820928	1931 - 0133	3.7	3.9	4.2	3.3	4.0	4.6
820928 - 820928	0134 - 0736	3.5	3.5	3.7	2.8	3.0	3.3
820928 - 820928	0737 - 1339	3.5	3.5	3.6	2.6	2.8	3.2
820928 - 820928	1340 - 1942	3.6	3.9	4.0	3.2	3.8	4.1
820928 - 820929	1943 - 0145	3.8	3.8	3.9	3.6	3.7	3.9
820929 - 820929	0146 - 0748	3.7	3.8	3.8	3.4	3.5	3.6
820929 - 820929	0749 - 1351	3.7	3.7	3.8	3.4	3.5	3.6
820929 - 820929	1352 - 1954	3.8	4.0	4.2	3.6	4.2	4.6
820929 - 820930	1955 - 0157	3.9	4.0	4.1	3.8	4.0	4.5
820930 - 820930	0158 - 0800	3.8	3.9	3.9	3.6	3.7	3.8
820930 - 820930	0801 - 1403	3.8	3.8	3.9	3.5	3.6	3.8
820930 - 820930	1404 - 2006	3.9	4.1	4.3	3.7	4.4	4.9
820930 - 821001	2007 - 0209	3.9	4.0	4.2	3.8	4.1	4.6
821001 - 821001	0210 - 0812	3.8	3.8	3.9	3.6	3.6	3.8
821001 - 821001	0813 - 1415	3.8	3.8	3.9	3.5	3.6	3.8
821001 - 821001	1416 - 2018	3.9	4.0	4.1	3.8	4.1	4.3
821001 - 821002	2019 - 0221	3.8	3.9	4.1	3.5	3.7	4.2

Table 1 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821002 - 821002	0222 - 0824	3.7	3.7	3.8	3.3	3.4	3.5
821002 - 821002	0825 - 1427	3.7	3.8	3.9	3.3	3.4	3.8
821002 - 821002	1428 - 2030	3.9	4.1	4.2	3.8	4.3	4.6
821002 - 821003	2031 - 0233	3.8	3.9	4.1	3.6	3.8	4.3
821003 - 821003	0234 - 0836	3.6	3.7	3.8	3.1	3.3	3.6
821003 - 821003	0837 - 1439	3.7	3.7	3.9	3.2	3.4	3.8
821003 - 821003	1440 - 2042	3.9	4.1	4.2	3.8	4.2	4.6
821003 - 821004	2043 - 0245	3.7	3.8	4.0	3.3	3.6	4.1
821004 - 821004	0246 - 0848	3.5	3.6	3.7	2.6	2.9	3.3
821004 - 821004	0849 - 1451	3.5	3.5	3.6	2.5	2.6	2.8
821004 - 821004	1452 - 2054	3.5	3.9	4.1	2.8	3.7	4.4
821004 - 821005	2055 - 0257	3.5	3.6	3.9	2.8	3.1	3.8
821005 - 821005	0258 - 0900	3.5	3.5	3.6	2.7	2.8	2.9
821005 - 821005	0901 - 1503	3.4	3.5	3.5	2.5	2.6	2.8
821005 - 821005	1504 - 2106	3.5	3.7	3.9	2.7	3.4	3.9
821005 - 821006	2107 - 0309	3.5	3.5	3.8	2.6	2.8	3.4
821006 - 821006	0310 - 0912	3.4	3.4	3.5	2.4	2.5	2.7
821006 - 821006	0913 - 1515	3.4	3.5	3.7	2.4	2.7	3.3
821006 - 821006	1516 - 2118	3.7	3.8	3.9	3.2	3.6	3.9
821006 - 821007	2119 - 0321	3.6	3.7	3.7	2.8	3.0	3.3
821007 - 821007	0322 - 0924	3.5	3.5	3.6	2.7	2.8	2.9
821007 - 821007	0925 - 1527	3.5	3.6	3.6	2.8	2.9	3.0
821007 - 821007	1528 - 2130	3.5	3.7	3.8	2.9	3.3	3.6
821007 - 821008	2131 - 0333	3.5	3.6	3.7	2.7	3.0	3.2
821008 - 821008	0334 - 0936	3.5	3.5	3.6	2.7	2.8	3.0
821008 - 821008	0937 - 1539	3.5	3.6	3.9	2.8	3.1	3.6
821008 - 821008	1540 - 2142	3.7	3.8	3.9	3.2	3.6	3.9
821008 - 821009	2143 - 0345	3.4	3.5	3.8	2.2	2.8	3.3

Table 4-154 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821009 - 821009	0346 - 0948	3.3	3.5	3.6	2.3	2.6	2.9
821009 - 821009	0949 - 1551	3.5	3.6	3.8	2.8	3.1	3.6
821009 - 821009	1552 - 2154	3.7	3.8	3.9	3.3	3.6	3.8
821009 - 821010	2155 - 0357	3.6	3.6	3.7	3.0	3.1	3.2
821010 - 821010	0358 - 1000	3.5	3.6	3.6	3.0	3.0	3.0
821010 - 821010	1001 - 1603	3.5	3.7	3.8	2.9	3.2	3.6
821010 - 821010	1604 - 2206	3.6	3.7	3.9	3.0	3.4	3.6
821010 - 821011	2207 - 0409	3.5	3.6	3.7	2.8	2.9	3.0
821011 - 821011	0410 - 1012	3.5	3.5	3.6	2.7	2.8	2.8
821011 - 821011	1013 - 1615	3.5	3.6	3.8	2.7	2.9	3.3
821011 - 821011	1616 - 2218	3.3	3.7	3.8	2.1	3.1	3.5
821011 - 821012	2219 - 0421	3.5	3.5	3.6	2.6	2.8	3.0
821012 - 821012	0422 - 1024	3.4	3.5	3.6	2.5	2.7	2.9
821012 - 821012	1025 - 1627	3.5	3.6	3.8	2.7	3.0	3.4
821012 - 821012	1628 - 2230	3.6	3.7	3.8	3.1	3.3	3.4
821012 - 821013	2231 - 0433	3.5	3.6	3.7	2.5	3.0	3.2
821013 - 821013	0434 - 1036	3.5	3.5	3.6	2.8	2.9	2.9
821013 - 821013	1037 - 1639	3.5	3.6	3.7	2.9	3.0	3.2
821013 - 821013	1640 - 2242	3.5	3.6	3.7	2.8	3.1	3.3
821013 - 821014	2243 - 0445	3.5	3.6	3.6	2.7	2.9	2.9
821014 - 821014	0446 - 1048	3.5	3.6	3.6	2.5	2.7	2.8
821014 - 821014	1049 - 1651	3.5	3.6	3.8	2.5	3.0	3.6
821014 - 821014	1652 - 2254	3.5	3.7	3.9	2.7	3.3	3.7
821014 - 821015	2255 - 0457	3.5	3.5	3.5	2.4	2.5	2.7
821015 - 821015	0458 - 1100	3.4	3.5	3.5	2.3	2.4	2.4
821015 - 821015	1101 - 1703	3.4	3.5	3.6	2.3	2.5	2.7
821015 - 821015	1704 - 2306	3.5	3.6	3.7	2.5	2.8	3.2
821015 - 821016	2307 - 0509	3.5	3.5	3.5	2.4	2.5	2.6

4-C-154

Table 1 - Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821016 - 821016	0510 - 1112	3.5	3.5	3.6	2.6	2.7	2.8
821016 - 821016	1113 - 1715	3.5	3.6	3.7	2.7	2.8	3.0
821016 - 821016	1716 - 2318	3.5	3.6	3.7	2.7	2.8	2.9
821016 - 821017	2319 - 0521	3.5	3.5	3.6	2.6	2.8	2.9
821017 - 821017	0522 - 1124	3.5	3.6	3.7	2.8	2.9	3.0
821017 - 821017	1125 - 1727	3.6	3.8	3.9	2.9	3.3	3.7
821017 - 821017	1728 - 2330	3.5	3.7	3.8	2.6	3.1	3.5
821017 - 821018	2331 - 0533	3.5	3.5	3.5	2.5	2.5	2.7
821018 - 821018	0534 - 1136	3.5	3.5	3.6	2.4	2.5	2.6
821018 - 821018	1137 - 1739	3.5	3.6	3.7	2.5	2.9	3.3
821018 - 821018	1740 - 2342	3.5	3.6	3.7	2.7	2.9	3.2
821018 - 821019	2343 - 0545	3.5	3.6	3.6	2.7	2.8	2.9
821019 - 821019	0546 - 1148	3.4	3.6	3.7	2.3	2.7	2.9
821019 - 821019	1149 - 1751	3.5	3.6	3.7	2.4	2.8	3.2
821019 - 821019	1752 - 2354	3.5	3.6	3.8	2.7	3.0	3.2
821019 - 821020	2355 - 0557	3.5	3.5	3.6	2.5	2.7	2.9
821020 - 821020	0558 - 1200	3.4	3.5	3.5	2.5	2.7	2.7
821020 - 821020	1201 - 1803	3.5	3.5	3.6	2.6	2.8	3.0
821020 - 821021	1804 - 0006	3.4	3.5	3.6	2.3	2.7	3.0
821021 - 821021	0007 - 0609	3.3	3.4	3.5	2.2	2.3	2.5
821021 - 821021	0610 - 1212	3.3	3.4	3.5	2.2	2.3	2.4
821021 - 821021	1213 - 1815	3.4	3.5	3.5	2.3	2.5	2.6
821021 - 821022	1816 - 0018	3.4	3.5	3.5	2.1	2.3	2.5
821022 - 821022	0019 - 0621	3.4	3.5	3.5	2.1	2.2	2.3
821022 - 821022	0622 - 1224	3.4	3.5	3.5	2.1	2.3	2.4
821022 - 821022	1225 - 1827	3.5	3.5	3.6	2.3	2.5	2.7
821022 - 821023	1828 - 0030	3.4	3.5	3.5	2.2	2.4	2.6
821023 - 821023	0031 - 0633	3.3	3.5	3.5	2.1	2.3	2.5

Table 4-18 Cont.

DATE PERIOD	TIME PERIOD	INTRAGRAVEL			SURFACE WATER		
		MIN	MEAN	MAX	MIN	MEAN	MAX
821023 - 821023	0634 - 1236	3.3	3.5	3.5	2.1	2.3	2.5
821023 - 821023	1237 - 1839	3.4	3.5	3.5	2.2	2.4	2.5
821023 - 821024	1840 - 0042	3.4	3.4	3.5	2.1	2.3	2.4
821024 - 821024	0043 - 0645	3.3	3.4	3.5	1.9	2.1	2.4
821024 - 821024	0646 - 1248	3.4	3.5	3.5	2.2	2.4	2.6
821024 - 821024	1249 - 1851	3.4	3.5	3.6	2.4	2.6	2.7
821024 - 821025	1852 - 0054	3.3	3.4	3.5	2.0	2.4	2.7
821025 - 821025	0055 - 0657	3.3	3.4	3.5	2.0	2.3	2.4
821025 - 821025	0658 - 1300	3.4	3.4	3.5	2.1	2.3	2.5

Table 7 Mean intragravel and surface water temperature (C) datapod data summary, at Slough 8A-Mouth, RM 125.4, Geocode S30N03W30BCD. A two part linear equation interpolation method was used in order to "correct" readings from actual six hour and three minute time intervals to six hour intervals.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8		DAYS 9 - 16		DAYS 17 - 24		DAYS 25 - 31	
	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER
0001 - 0600	----	----	----	----	----	----	6.8	11.4
0601 - 1200	----	----	----	----	----	----	6.8	10.2
1201 - 1800	----	----	----	----	----	----	6.8	9.9
1801 - 2400	----	----	----	----	----	----	6.8	11.7
DAILY VALUE	----	----	----	----	----	----	6.8	10.8
0001 - 0600	----	----	----	----	----	----	6.8	11.4
0601 - 1200	----	----	----	----	----	----	6.8	10.0
1201 - 1800	----	----	----	----	----	----	6.8	10.1
1801 - 2400	----	----	----	----	----	----	6.9	12.8
DAILY VALUE	----	----	----	----	----	----	6.8	11.1
0001 - 0600	----	----	----	----	----	----	7.0	12.3
0601 - 1200	----	----	----	----	----	----	6.9	9.9
1201 - 1800	----	----	----	----	----	----	6.7	9.7
1801 - 2400	----	----	----	----	----	----	6.8	12.4
DAILY VALUE	----	----	----	----	----	----	6.8	11.1
0001 - 0600	----	----	----	----	----	----	6.8	12.0
0601 - 1200	----	----	----	----	----	----	6.7	9.7
1201 - 1800	----	----	----	----	----	----	6.7	9.0
1801 - 2400	----	----	----	----	----	----	6.7	10.4
DAILY VALUE	----	----	----	----	----	----	6.7	10.2
0001 - 0600	----	----	----	----	----	----	6.7	10.5
0601 - 1200	----	----	----	----	----	----	6.6	9.4
1201 - 1800	----	----	----	----	----	----	6.6	9.1
1801 - 2400	----	----	----	----	6.6	13.6	6.6	9.7
DAILY VALUE	----	----	----	----	----	----	6.6	9.7
0001 - 0600	----	----	----	----	6.8	11.7	6.6	9.6
0601 - 1200	----	----	----	----	6.7	9.1	6.6	9.0
1201 - 1800	----	----	----	----	6.6	9.7	6.5	8.6
1801 - 2400	----	----	----	----	6.7	13.6	6.5	8.7
DAILY VALUE	----	----	----	----	6.7	11.0	6.5	9.0
0001 - 0600	----	----	----	----	6.8	12.0	6.6	8.6
0601 - 1200	----	----	----	----	6.7	10.5	6.6	8.2
1201 - 1800	----	----	----	----	6.6	10.4	6.6	8.1
1801 - 2400	----	----	----	----	6.7	12.0	6.6	8.7
DAILY VALUE	----	----	----	----	6.7	11.2	6.6	8.4
0001 - 0600	----	----	----	----	6.7	11.1	MONTHLY VALUE	
0601 - 1200	----	----	----	----	6.6	9.8		
1201 - 1800	----	----	----	----	6.6	10.1		
1801 - 2400	----	----	----	----	6.7	12.0		
DAILY VALUE	----	----	----	----	6.6	10.7	----	----

Table / Cont.

- SEPTEMBER 1982 -

TIME PERIOD	DAYS 1 - 8		DAYS 9 - 16		DAYS 17 - 24		DAYS 25 - 31	
	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER
0001 - 0600	6.6	8.9	6.3	8.4	6.0	7.8	6.1	4.7
0601 - 1200	6.6	8.5	6.3	8.0	6.0	7.1	6.2	4.0
1201 - 1800	6.6	8.4	6.3	7.7	6.0	6.9	6.2	4.1
1801 - 2400	6.6	9.2	6.3	8.0	6.0	6.7	6.2	4.7
DAILY VALUE	6.6	8.8	6.3	8.0	6.0	7.1	6.2	4.4
0001 - 0600	6.7	9.4	6.3	8.3	5.9	6.7	6.3	4.9
0601 - 1200	6.7	8.6	6.3	7.9	6.0	6.3	6.3	4.7
1201 - 1800	6.5	7.8	6.3	7.4	6.0	5.8	6.3	4.9
1801 - 2400	6.4	8.3	6.3	7.8	5.9	5.9	6.4	5.2
DAILY VALUE	6.6	8.5	6.3	7.8	6.0	6.2	6.3	4.9
0001 - 0600	6.4	8.8	6.3	8.3	5.9	6.7	6.4	5.1
0601 - 1200	6.4	8.4	6.3	7.7	5.9	6.3	6.4	5.0
1201 - 1800	6.3	7.8	6.2	7.0	5.9	5.7	6.4	5.1
1801 - 2400	6.3	7.8	6.2	7.0	5.9	5.8	6.4	5.4
DAILY VALUE	6.3	8.2	6.2	7.5	5.9	6.1	6.4	5.1
0001 - 0600	6.3	7.8	6.1	6.9	5.9	6.2	6.4	4.9
0601 - 1200	6.3	7.3	6.1	6.3	5.9	5.7	6.4	3.8
1201 - 1800	6.3	7.0	6.1	5.9	5.9	5.8	6.4	3.6
1801 - 2400	6.2	7.5	6.1	6.6	5.9	6.4	6.4	4.0
DAILY VALUE	6.3	7.4	6.1	6.4	5.9	6.0	6.4	4.1
0001 - 0600	6.2	8.0	6.1	7.5	5.9	6.0	6.4	4.3
0601 - 1200	6.3	7.4	6.1	6.5	5.9	5.5	6.5	4.3
1201 - 1800	6.2	7.0	6.1	6.1	5.9	5.6	6.5	4.6
1801 - 2400	6.2	7.5	6.1	6.1	5.9	6.0	6.5	5.1
DAILY VALUE	6.2	7.5	6.1	6.6	5.9	5.8	6.5	4.6
0001 - 0600	6.2	7.9	6.1	6.4	5.9	5.8	6.5	5.2
0601 - 1200	6.2	7.5	6.1	6.4	6.0	5.5	6.5	4.9
1201 - 1800	6.2	7.1	6.1	6.3	6.0	5.4	6.5	5.0
1801 - 2400	6.2	7.4	6.0	6.4	6.0	6.2	6.5	5.4
DAILY VALUE	6.2	7.5	6.1	6.4	6.0	5.7	6.5	5.1
0001 - 0600	6.3	7.6	6.0	6.7	6.0	5.4	-----	-----
0601 - 1200	6.3	7.4	6.0	6.6	6.0	4.5	-----	-----
1201 - 1800	6.2	7.4	6.0	6.6	6.0	4.5	-----	-----
1801 - 2400	6.2	8.2	6.0	7.0	6.0	5.4	-----	-----
DAILY VALUE	6.3	7.7	6.0	6.7	6.0	4.9	-----	-----
0001 - 0600	6.3	8.8	6.0	8.0	6.1	4.8	MONTHLY VALUE	
0601 - 1200	6.3	8.4	6.1	7.6	6.1	3.6		
1201 - 1800	6.3	8.0	6.0	7.4	6.0	3.6		
1801 - 2400	6.3	8.3	5.9	7.5	6.1	4.7	6.2	6.5
DAILY VALUE	6.3	8.4	6.0	7.6	6.1	4.2		

Table 4-159 Cont.

- OCTOBER 1982 -

TIME PERIOD	DAYS 1 - 8		DAYS 9 - 16		DAYS 17 - 24		DAYS 25 - 31	
	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER
0001 - 0600	6.5	5.3	6.2	2.4	5.7	1.3	5.1	2.4
0601 - 1200	6.5	4.9	6.2	1.8	5.7	1.4	5.0	2.5
1201 - 1800	6.5	4.7	6.2	2.1	5.7	1.7	-----	-----
1801 - 2400	6.5	4.8	6.2	2.8	5.6	2.2	-----	-----
DAILY VALUE	6.5	4.9	6.2	2.3	5.7	1.7	-----	-----
0001 - 0600	6.5	4.5	6.2	3.1	5.6	2.3	-----	-----
0601 - 1200	6.5	4.0	6.2	2.7	5.6	1.6	-----	-----
1201 - 1800	6.5	4.2	6.1	2.7	5.6	1.4	-----	-----
1801 - 2400	6.5	4.7	6.1	2.7	5.6	2.2	-----	-----
DAILY VALUE	6.5	4.3	6.2	2.8	5.6	1.9	-----	-----
0001 - 0600	6.5	4.5	6.1	2.5	5.6	2.4	-----	-----
0601 - 1200	6.4	3.8	6.1	2.1	5.6	2.0	-----	-----
1201 - 1800	6.4	3.8	6.1	1.9	5.5	1.7	-----	-----
1801 - 2400	6.5	4.2	6.1	2.0	5.5	1.4	-----	-----
DAILY VALUE	6.4	4.1	6.1	2.1	5.5	1.9	-----	-----
0001 - 0600	6.5	3.9	6.0	1.9	5.5	1.9	-----	-----
0601 - 1200	6.4	3.1	6.1	1.6	5.5	1.8	-----	-----
1201 - 1800	6.4	2.9	6.0	1.7	5.5	2.2	-----	-----
1801 - 2400	6.4	3.4	6.0	2.3	5.5	1.8	-----	-----
DAILY VALUE	6.4	3.3	6.0	1.9	5.5	1.9	-----	-----
0001 - 0600	6.4	3.1	6.0	2.2	5.4	1.4	-----	-----
0601 - 1200	6.4	2.4	6.0	1.7	5.4	1.4	-----	-----
1201 - 1800	6.4	2.4	6.0	1.4	5.4	1.7	-----	-----
1801 - 2400	6.4	2.8	5.9	1.7	5.4	1.6	-----	-----
DAILY VALUE	6.4	2.7	6.0	1.8	5.4	1.5	-----	-----
0001 - 0600	6.4	2.6	5.9	1.9	5.4	1.4	-----	-----
0601 - 1200	6.4	1.9	5.9	2.0	5.4	1.4	-----	-----
1201 - 1800	6.4	2.0	5.9	2.3	5.3	1.7	-----	-----
1801 - 2400	6.4	2.6	5.9	3.0	5.3	1.5	-----	-----
DAILY VALUE	6.4	2.3	5.9	2.3	5.4	1.5	-----	-----
0001 - 0600	6.4	2.8	5.9	2.9	5.3	1.3	-----	-----
0601 - 1200	6.3	2.5	5.9	1.9	5.3	1.5	-----	-----
1201 - 1800	6.3	2.3	5.9	1.7	5.3	1.8	-----	-----
1801 - 2400	6.3	2.2	5.9	2.0	5.2	1.8	-----	-----
DAILY VALUE	6.3	2.4	5.9	2.1	5.3	1.6	-----	-----
0001 - 0600	6.3	2.2	5.8	2.2	5.2	1.8	MONTHLY VALUE	
0601 - 1200	6.3	2.1	5.8	1.6	5.2	2.0		
1201 - 1800	6.3	2.1	5.8	1.6	5.2	2.4		
1801 - 2400	6.3	2.5	5.7	1.5	5.1	2.3	5.9	2.4
DAILY VALUE	6.3	2.2	5.8	1.7	5.2	2.1		

Table 4. Mean intragravel and surface water temperature (C) datapod data summary, at Slough 8A-Upper, RM 126.4, Geocode S30N03W20CDD. A two part linear equation interpolation method was used in order to "correct" readings from actual six hour and three minute time intervals to six hour intervals.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8		DAYS 9 - 16		DAYS 17 - 24		DAYS 25 - 31	
	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER
0001 - 0600	-----	-----	-----	-----	-----	-----	4.8	6.4
0601 - 1200	-----	-----	-----	-----	-----	-----	4.8	5.8
1201 - 1800	-----	-----	-----	-----	-----	-----	4.8	6.0
1801 - 2400	-----	-----	-----	-----	-----	-----	4.8	6.9
DAILY VALUE	-----	-----	-----	-----	-----	-----	4.8	6.3
0001 - 0600	-----	-----	-----	-----	-----	-----	4.8	6.2
0601 - 1200	-----	-----	-----	-----	-----	-----	4.8	5.7
1201 - 1800	-----	-----	-----	-----	-----	-----	4.8	6.1
1801 - 2400	-----	-----	-----	-----	-----	-----	4.8	7.5
DAILY VALUE	-----	-----	-----	-----	-----	-----	4.8	6.4
0001 - 0600	-----	-----	-----	-----	-----	-----	4.8	6.5
0601 - 1200	-----	-----	-----	-----	-----	-----	4.8	5.4
1201 - 1800	-----	-----	-----	-----	-----	-----	4.8	5.4
1801 - 2400	-----	-----	-----	-----	-----	-----	4.9	6.8
DAILY VALUE	-----	-----	-----	-----	-----	-----	4.8	6.0
0001 - 0600	-----	-----	-----	-----	-----	-----	4.8	6.4
0601 - 1200	-----	-----	-----	-----	-----	-----	4.8	5.6
1201 - 1800	-----	-----	-----	-----	-----	-----	4.8	5.7
1801 - 2400	-----	-----	-----	-----	-----	-----	4.8	6.5
DAILY VALUE	-----	-----	-----	-----	-----	-----	4.8	6.0
0001 - 0600	-----	-----	-----	-----	-----	-----	4.8	6.3
0601 - 1200	-----	-----	-----	-----	-----	-----	4.9	5.8
1201 - 1800	-----	-----	-----	-----	-----	-----	4.9	5.9
1801 - 2400	-----	-----	-----	-----	4.8	8.3	4.9	6.2
DAILY VALUE	-----	-----	-----	-----	-----	-----	4.9	6.1
0001 - 0600	-----	-----	-----	-----	4.8	6.2	4.9	6.0
0601 - 1200	-----	-----	-----	-----	4.7	5.2	4.9	5.8
1201 - 1800	-----	-----	-----	-----	4.7	5.3	4.9	5.8
1801 - 2400	-----	-----	-----	-----	4.8	7.8	4.9	6.0
DAILY VALUE	-----	-----	-----	-----	4.7	6.1	4.9	5.9
0001 - 0600	-----	-----	-----	-----	4.8	6.4	4.9	5.9
0601 - 1200	-----	-----	-----	-----	4.8	5.9	4.9	5.7
1201 - 1800	-----	-----	-----	-----	4.8	6.2	4.9	5.8
1801 - 2400	-----	-----	-----	-----	4.8	7.0	4.9	6.0
DAILY VALUE	-----	-----	-----	-----	4.8	6.4	4.9	5.8
0001 - 0600	-----	-----	-----	-----	4.8	6.1	MONTHLY VALUE	
0601 - 1200	-----	-----	-----	-----	4.8	5.7		
1201 - 1800	-----	-----	-----	-----	4.8	5.9		
1801 - 2400	-----	-----	-----	-----	4.8	7.2		
DAILY VALUE	-----	-----	-----	-----	4.8	6.2		

Table - 4 Cont.

- SEPTEMBER 1982 -

TIME PERIOD	DAYS 1 - 8		DAYS 9 - 16		DAYS 17 - 24		DAYS 25 - 31	
	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER
0001 - 0600	4.9	5.9	5.2	6.0	5.3	7.4	5.0	5.2
0601 - 1200	4.9	5.8	5.2	5.7	5.2	6.3	5.0	4.9
1201 - 1800	4.9	6.2	5.2	5.7	5.2	6.0	5.0	5.1
1801 - 2400	4.9	6.5	5.2	6.0	5.2	5.9	5.0	5.4
DAILY VALUE	4.9	6.1	5.2	5.8	5.2	6.4	5.0	5.2
0001 - 0600	4.9	6.4	5.2	6.0	5.2	6.0	5.0	5.3
0601 - 1200	4.9	6.1	5.2	5.7	5.2	5.6	5.0	5.2
1201 - 1800	4.9	6.2	5.2	5.7	5.2	5.5	5.0	5.4
1801 - 2400	4.9	6.5	5.2	6.0	5.1	5.9	5.0	5.4
DAILY VALUE	4.9	6.3	5.2	5.9	5.2	5.7	5.0	5.3
0001 - 0600	4.9	6.5	5.2	6.1	5.2	6.3	5.0	5.3
0601 - 1200	4.9	6.2	5.3	5.7	5.1	5.8	5.0	5.2
1201 - 1800	4.9	6.2	5.3	5.6	5.1	5.5	5.0	5.4
1801 - 2400	4.9	6.4	5.3	5.8	5.1	5.7	5.0	5.4
DAILY VALUE	4.9	6.3	5.3	5.8	5.1	5.8	5.0	5.3
0001 - 0600	5.0	6.3	5.2	5.7	5.2	5.9	4.9	5.1
0601 - 1200	4.9	5.9	5.2	5.3	5.1	5.5	5.0	4.8
1201 - 1800	4.9	5.9	5.3	5.2	5.1	5.8	4.9	5.0
1801 - 2400	4.9	6.3	5.3	5.6	5.2	6.0	4.9	5.2
DAILY VALUE	4.9	6.1	5.3	5.5	5.1	5.8	4.9	5.0
0001 - 0600	5.0	6.2	5.3	6.0	5.1	5.6	4.9	5.2
0601 - 1200	4.9	5.7	5.3	5.5	5.1	5.4	4.9	5.1
1201 - 1800	5.0	5.7	5.2	5.5	5.1	5.7	4.9	5.3
1801 - 2400	5.0	6.2	5.2	5.6	5.1	5.8	4.9	5.5
DAILY VALUE	5.0	6.0	5.2	5.6	5.1	5.6	4.9	5.3
0001 - 0600	5.0	6.2	5.3	5.8	5.1	5.5	4.9	5.3
0601 - 1200	5.0	5.9	5.2	5.7	5.1	5.4	4.9	5.2
1201 - 1800	5.0	5.8	5.2	5.7	5.1	5.6	4.9	5.4
1801 - 2400	5.0	6.0	5.2	5.9	5.1	5.8	4.9	5.5
DAILY VALUE	5.0	6.0	5.2	5.8	5.1	5.6	4.9	5.3
0001 - 0600	5.0	6.0	5.3	6.1	5.1	5.2	-----	-----
0601 - 1200	5.0	5.8	5.2	6.0	5.1	4.9	-----	-----
1201 - 1800	5.1	5.9	5.2	6.0	5.1	5.3	-----	-----
1801 - 2400	5.1	6.3	5.2	6.5	5.1	5.8	-----	-----
DAILY VALUE	5.0	6.0	5.2	6.2	5.1	5.3	-----	-----
0001 - 0600	5.1	6.2	5.2	7.1	5.1	5.1	MONTHLY VALUE	
0601 - 1200	5.1	5.8	5.3	6.6	5.0	4.7		
1201 - 1800	5.1	5.7	5.3	6.2	5.0	5.2		
1801 - 2400	5.2	6.0	5.2	6.6	5.1	5.5	5.1	5.8
DAILY VALUE	5.1	5.9	5.3	6.6	5.0	5.1		

4-C-161

Table 4-1 Cont.

- OCTOBER 1982 -

TIME PERIOD	DAYS 1 - 8		DAYS 9 - 16		DAYS 17 - 24		DAYS 25 - 31	
	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER
0001 - 0600	4.9	5.3	4.7	4.6	4.6	4.1	4.5	3.8
0601 - 1200	4.9	5.1	4.7	4.4	4.7	4.1	4.5	3.7
1201 - 1800	4.9	5.2	4.7	4.6	4.7	4.3	-----	-----
1801 - 2400	4.9	5.2	4.7	4.9	4.6	4.6	-----	-----
DAILY VALUE	4.9	5.2	4.7	4.6	4.7	4.3	-----	-----
0001 - 0600	4.8	5.1	4.7	4.8	4.6	4.6	-----	-----
0601 - 1200	4.8	4.9	4.7	4.6	4.7	4.0	-----	-----
1201 - 1800	4.8	5.2	4.7	4.6	4.6	4.0	-----	-----
1801 - 2400	4.8	5.4	4.7	4.7	4.6	4.3	-----	-----
DAILY VALUE	4.8	5.1	4.7	4.7	4.6	4.2	-----	-----
0001 - 0600	4.8	5.1	4.7	4.6	4.6	4.4	-----	-----
0601 - 1200	4.8	4.9	4.7	4.4	4.6	4.2	-----	-----
1201 - 1800	4.8	5.0	4.7	4.4	4.6	4.1	-----	-----
1801 - 2400	4.8	5.2	4.7	4.4	4.6	4.1	-----	-----
DAILY VALUE	4.8	5.1	4.7	4.5	4.6	4.2	-----	-----
0001 - 0600	4.8	5.0	4.7	4.3	4.6	4.3	-----	-----
0601 - 1200	4.8	4.7	4.7	4.1	4.6	4.1	-----	-----
1201 - 1800	4.8	4.8	4.7	4.2	4.6	4.4	-----	-----
1801 - 2400	4.8	5.1	4.7	4.5	4.6	4.2	-----	-----
DAILY VALUE	4.8	4.9	4.7	4.3	4.6	4.2	-----	-----
0001 - 0600	4.8	4.9	4.6	4.6	4.6	3.9	-----	-----
0601 - 1200	4.8	4.6	4.7	4.3	4.6	4.0	-----	-----
1201 - 1800	4.7	4.7	4.6	4.0	4.6	4.2	-----	-----
1801 - 2400	4.7	4.9	4.6	4.1	4.6	4.1	-----	-----
DAILY VALUE	4.8	4.8	4.6	4.2	4.6	4.1	-----	-----
0001 - 0600	4.7	4.8	4.6	4.2	4.6	4.0	-----	-----
0601 - 1200	4.7	4.6	4.6	4.1	4.6	3.9	-----	-----
1201 - 1800	4.7	4.7	4.6	4.0	4.6	4.2	-----	-----
1801 - 2400	4.7	4.9	4.6	4.2	4.6	4.1	-----	-----
DAILY VALUE	4.7	4.8	4.6	4.1	4.6	4.0	-----	-----
0001 - 0600	4.7	4.9	4.6	4.4	4.6	3.9	-----	-----
0601 - 1200	4.7	4.7	4.6	3.7	4.6	3.9	-----	-----
1201 - 1800	4.7	4.7	4.6	3.8	4.6	4.1	-----	-----
1801 - 2400	4.7	4.7	4.6	4.0	4.6	4.0	-----	-----
DAILY VALUE	4.7	4.8	4.6	4.0	4.6	4.0	-----	-----
0001 - 0600	4.7	4.7	4.6	4.3	4.6	3.9	MONTHLY VALUE	
0601 - 1200	4.7	4.5	4.6	4.0	4.6	3.8		
1201 - 1800	4.7	4.6	4.7	4.1	4.6	4.0		
1801 - 2400	4.7	4.8	4.6	4.1	4.6	3.9		
DAILY VALUE	4.7	4.6	4.6	4.1	4.6	3.9	4.7	4.4

4-2-162

Table 4-C-34/ Mean intragravel and surface water temperature (C) datapod data summary, at Slough 11, RM 135.7, Geocode S31N02W30ADC. A two part linear equation interpolation method was used in order to "correct" readings from actual six hour and three minute time intervals to six hour intervals.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8		DAYS 9 - 16		DAYS 17 - 24		DAYS 25 - 31	
	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER
0001 - 0600	-----	-----	-----	-----	-----	-----	3.3	6.4
0601 - 1200	-----	-----	-----	-----	-----	-----	3.3	5.8
1201 - 1800	-----	-----	-----	-----	-----	-----	3.4	6.1
1801 - 2400	-----	-----	-----	-----	-----	-----	3.5	7.5
DAILY VALUE	-----	-----	-----	-----	-----	-----	3.4	6.4
0001 - 0600	-----	-----	-----	-----	-----	-----	3.6	7.3
0601 - 1200	-----	-----	-----	-----	-----	-----	3.6	6.4
1201 - 1800	-----	-----	-----	-----	-----	-----	3.7	5.7
1801 - 2400	-----	-----	-----	-----	-----	-----	3.6	4.3
DAILY VALUE	-----	-----	-----	-----	-----	-----	3.6	5.9
0001 - 0600	-----	-----	-----	-----	-----	-----	3.5	3.6
0601 - 1200	-----	-----	-----	-----	-----	-----	3.5	3.5
1201 - 1800	-----	-----	-----	-----	-----	-----	3.5	3.4
1801 - 2400	-----	-----	-----	-----	-----	-----	3.5	3.5
DAILY VALUE	-----	-----	-----	-----	-----	-----	3.5	3.5
0001 - 0600	-----	-----	-----	-----	-----	-----	3.5	3.4
0601 - 1200	-----	-----	-----	-----	-----	-----	3.5	3.5
1201 - 1800	-----	-----	-----	-----	-----	-----	3.5	3.4
1801 - 2400	-----	-----	-----	-----	-----	-----	3.5	3.4
DAILY VALUE	-----	-----	-----	-----	-----	-----	3.5	3.4
0001 - 0600	-----	-----	-----	-----	-----	-----	3.5	3.5
0601 - 1200	-----	-----	-----	-----	-----	-----	3.5	3.4
1201 - 1800	-----	-----	-----	-----	-----	-----	3.5	3.4
1801 - 2400	-----	-----	-----	-----	3.3	8.2	3.5	3.4
DAILY VALUE	-----	-----	-----	-----	-----	-----	3.5	3.4
0001 - 0600	-----	-----	-----	-----	3.3	7.7	3.5	3.4
0601 - 1200	-----	-----	-----	-----	3.3	5.7	3.5	3.4
1201 - 1800	-----	-----	-----	-----	3.3	5.7	3.5	3.4
1801 - 2400	-----	-----	-----	-----	3.3	8.1	3.5	3.4
DAILY VALUE	-----	-----	-----	-----	3.3	6.8	3.5	3.4
0001 - 0600	-----	-----	-----	-----	3.3	7.5	3.5	3.4
0601 - 1200	-----	-----	-----	-----	3.3	6.5	3.4	3.4
1201 - 1800	-----	-----	-----	-----	3.3	6.2	3.4	3.4
1801 - 2400	-----	-----	-----	-----	3.3	6.9	3.4	3.4
DAILY VALUE	-----	-----	-----	-----	3.3	6.8	3.4	3.4
0001 - 0600	-----	-----	-----	-----	3.3	6.3	MONTHLY VALUE	
0601 - 1200	-----	-----	-----	-----	3.3	5.7		
1201 - 1800	-----	-----	-----	-----	3.3	5.9		
1801 - 2400	-----	-----	-----	-----	3.3	7.1		
DAILY VALUE	-----	-----	-----	-----	3.3	6.3		

4-C-163

Table 4 - 24 Cont.

- SEPTEMBER 1982 -

TIME PERIOD	DAYS 1 - 8		DAYS 9 - 16		DAYS 17 - 24		DAYS 25 - 31	
	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER
0001 - 0600	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.2
0601 - 1200	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.2
1201 - 1800	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.2
1801 - 2400	3.4	3.4	3.4	3.3	3.3	3.3	3.3	3.2
DAILY VALUE	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.2
0001 - 0600	3.5	3.4	3.4	3.3	3.3	3.3	3.3	3.2
0601 - 1200	3.5	3.4	3.4	3.3	3.3	3.2	3.3	3.2
1201 - 1800	3.5	3.4	3.4	3.3	3.3	3.3	3.3	3.2
1801 - 2400	3.5	3.4	3.4	3.3	3.3	3.2	3.3	3.2
DAILY VALUE	3.5	3.4	3.4	3.3	3.3	3.2	3.3	3.2
0001 - 0600	3.5	3.4	3.4	3.3	3.3	3.2	3.3	3.2
0601 - 1200	3.5	3.4	3.4	3.3	3.3	3.2	3.3	3.2
1201 - 1800	3.4	3.4	3.4	3.3	3.3	3.2	3.3	3.2
1801 - 2400	3.4	3.4	3.4	3.3	3.3	3.2	3.3	3.2
DAILY VALUE	3.4	3.4	3.4	3.3	3.3	3.2	3.3	3.2
0001 - 0600	3.5	3.4	3.4	3.3	3.3	3.2	3.3	3.2
0601 - 1200	3.5	3.4	3.4	3.3	3.3	3.2	3.3	3.2
1201 - 1800	3.4	3.3	3.4	3.3	3.3	3.2	3.3	3.2
1801 - 2400	3.4	3.3	3.4	3.3	3.3	3.2	3.3	3.2
DAILY VALUE	3.4	3.4	3.4	3.3	3.3	3.2	3.3	3.2
0001 - 0600	3.4	3.4	3.3	3.3	3.3	3.2	3.3	3.2
0601 - 1200	3.4	3.4	3.4	3.3	3.3	3.2	3.3	3.2
1201 - 1800	3.4	3.4	3.4	3.3	3.3	3.2	3.3	3.2
1801 - 2400	3.4	3.4	3.3	3.3	3.3	3.2	3.3	3.2
DAILY VALUE	3.4	3.4	3.4	3.3	3.3	3.2	3.3	3.2
0001 - 0600	3.4	3.4	3.3	3.3	3.3	3.2	-----	-----
0601 - 1200	3.4	3.3	3.4	3.3	3.3	3.2	-----	-----
1201 - 1800	3.4	3.3	3.4	3.3	3.3	3.2	-----	-----
1801 - 2400	3.4	3.3	3.3	3.3	3.3	3.2	-----	-----
DAILY VALUE	3.4	3.3	3.4	3.3	3.3	3.2	-----	-----
0001 - 0600	3.4	3.4	3.4	3.3	3.3	3.2	MONTHLY VALUE	
0601 - 1200	3.4	3.4	3.4	3.3	3.3	3.2		
1201 - 1800	3.4	3.4	3.4	3.3	3.3	3.2		
1801 - 2400	3.4	3.4	3.4	3.3	3.3	3.2	3.4	3.3
DAILY VALUE	3.4	3.4	3.4	3.3	3.3	3.2		

4-C-164

Table 4-1-1/ Cont.

- OCTOBER 1982 -

TIME PERIOD	DAYS 1 - 8		DAYS 9 - 16		DAYS 17 - 24		DAYS 25 - 31	
	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER
0001 - 0600	3.3	3.2	3.2	3.1	3.2	3.1	3.2	3.0
0601 - 1200	3.3	3.2	3.2	3.1	3.2	3.0	3.1	3.0
1201 - 1800	3.3	3.2	3.2	3.1	3.2	3.1	3.1	3.0
1801 - 2400	3.3	3.2	3.2	3.1	3.2	3.1	3.1	3.0
DAILY VALUE	3.3	3.2	3.2	3.1	3.2	3.1	3.1	3.0
0001 - 0600	3.3	3.2	3.2	3.1	3.2	3.1	3.1	3.0
0601 - 1200	3.3	3.2	3.2	3.1	3.2	3.1	3.1	3.0
1201 - 1800	3.3	3.2	3.2	3.1	3.2	3.1	3.1	3.0
1801 - 2400	3.3	3.2	3.2	3.1	3.2	3.1	3.1	3.0
DAILY VALUE	3.3	3.2	3.2	3.1	3.2	3.1	3.1	3.0
0001 - 0600	3.3	3.2	3.2	3.1	3.2	3.1	3.1	3.0
0601 - 1200	3.3	3.2	3.2	3.1	3.2	3.1	3.1	3.0
1201 - 1800	3.3	3.2	3.2	3.1	3.2	3.1	-----	-----
1801 - 2400	3.3	3.2	3.2	3.1	3.2	3.1	-----	-----
DAILY VALUE	3.3	3.2	3.2	3.1	3.2	3.1	-----	-----
0001 - 0600	3.3	3.2	3.2	3.1	3.2	3.1	-----	-----
0601 - 1200	3.3	3.2	3.2	3.1	3.2	3.1	-----	-----
1201 - 1800	3.3	3.2	3.2	3.1	3.2	3.1	-----	-----
1801 - 2400	3.3	3.2	3.2	3.1	3.2	3.1	-----	-----
DAILY VALUE	3.3	3.2	3.2	3.1	3.2	3.1	-----	-----
0001 - 0600	3.3	3.2	3.2	3.1	3.2	3.1	-----	-----
0601 - 1200	3.3	3.2	3.2	3.1	3.2	3.1	-----	-----
1201 - 1800	3.3	3.2	3.2	3.1	3.2	3.1	-----	-----
1801 - 2400	3.2	3.2	3.2	3.1	3.2	3.0	-----	-----
DAILY VALUE	3.3	3.2	3.2	3.1	3.2	3.1	-----	-----
0001 - 0600	3.2	3.1	3.2	3.1	3.1	3.0	-----	-----
0601 - 1200	3.2	3.1	3.2	3.1	3.1	3.0	-----	-----
1201 - 1800	3.2	3.1	3.2	3.1	3.1	3.0	-----	-----
1801 - 2400	3.2	3.1	3.2	3.1	3.1	3.0	-----	-----
DAILY VALUE	3.2	3.1	3.2	3.1	3.1	3.0	-----	-----
0001 - 0600	3.2	3.1	3.2	3.1	3.1	3.0	-----	-----
0601 - 1200	3.2	3.1	3.2	3.1	3.1	3.0	-----	-----
1201 - 1800	3.2	3.1	3.2	3.1	3.1	3.0	-----	-----
1801 - 2400	3.2	3.1	3.2	3.1	3.1	3.0	-----	-----
DAILY VALUE	3.2	3.1	3.2	3.1	3.1	3.0	-----	-----
0001 - 0600	3.2	3.1	3.2	3.1	3.1	3.0	MONTHLY VALUE	
0601 - 1200	3.2	3.1	3.2	3.1	3.1	3.0		
1201 - 1800	3.2	3.1	3.2	3.1	3.1	3.0		
1801 - 2400	3.2	3.1	3.2	3.1	3.1	3.0	3.2	3.1
DAILY VALUE	3.2	3.1	3.2	3.1	3.1	3.0		

4-c-165

4-11-1012x Table 4-10.35 Mean intragravel and surface water temperature (C) datapod data summary, at Slough 16B, RM 138.0, Geocode S31N02W17AAA. A two part linear equation interpolation method was used in order to "correct" readings from actual six hour and three minute time intervals to six hour intervals.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8		DAYS 9 - 16		DAYS 17 - 24		DAYS 25 - 31	
	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER
0001 - 0600	-----	-----	-----	-----	-----	-----	6.7	6.7
0601 - 1200	-----	-----	-----	-----	-----	-----	6.2	6.0
1201 - 1800	-----	-----	-----	-----	-----	-----	6.2	6.4
1801 - 2400	-----	-----	-----	-----	-----	-----	6.9	7.5
DAILY VALUE	-----	-----	-----	-----	-----	-----	6.5	6.6
0001 - 0600	-----	-----	-----	-----	-----	-----	6.7	6.8
0601 - 1200	-----	-----	-----	-----	-----	-----	6.2	6.0
1201 - 1800	-----	-----	-----	-----	-----	-----	6.2	6.5
1801 - 2400	-----	-----	-----	-----	-----	-----	6.9	7.6
DAILY VALUE	-----	-----	-----	-----	-----	-----	6.5	6.7
0001 - 0600	-----	-----	-----	-----	-----	-----	6.7	6.6
0601 - 1200	-----	-----	-----	-----	-----	-----	5.6	5.0
1201 - 1800	-----	-----	-----	-----	-----	-----	5.2	5.0
1801 - 2400	-----	-----	-----	-----	-----	-----	6.1	6.6
DAILY VALUE	-----	-----	-----	-----	-----	-----	5.9	5.8
0001 - 0600	-----	-----	-----	-----	-----	-----	6.0	6.1
0601 - 1200	-----	-----	-----	-----	-----	-----	5.3	5.0
1201 - 1800	-----	-----	-----	-----	-----	-----	5.2	5.2
1801 - 2400	-----	-----	-----	-----	-----	-----	6.0	6.3
DAILY VALUE	-----	-----	-----	-----	-----	-----	5.6	5.7
0001 - 0600	-----	-----	-----	-----	-----	-----	6.1	6.3
0601 - 1200	-----	-----	-----	-----	-----	-----	5.7	5.6
1201 - 1800	-----	-----	-----	-----	-----	-----	5.7	5.8
1801 - 2400	-----	-----	-----	-----	6.1	7.7	6.2	6.3
DAILY VALUE	-----	-----	-----	-----	-----	-----	5.9	6.0
0001 - 0600	-----	-----	-----	-----	6.2	6.3	6.1	6.1
0601 - 1200	-----	-----	-----	-----	5.3	4.7	5.8	5.7
1201 - 1800	-----	-----	-----	-----	4.9	5.0	5.7	5.8
1801 - 2400	-----	-----	-----	-----	6.1	7.4	5.9	6.1
DAILY VALUE	-----	-----	-----	-----	5.6	5.9	5.9	5.9
0001 - 0600	-----	-----	-----	-----	6.3	6.6	6.0	6.0
0601 - 1200	-----	-----	-----	-----	5.8	5.8	5.8	5.6
1201 - 1800	-----	-----	-----	-----	5.9	6.2	5.6	5.8
1801 - 2400	-----	-----	-----	-----	6.6	7.1	5.8	6.6
DAILY VALUE	-----	-----	-----	-----	6.1	6.4	5.8	6.0
0001 - 0600	-----	-----	-----	-----	6.2	6.2	MONTHLY VALUE	
0601 - 1200	-----	-----	-----	-----	5.6	5.5		
1201 - 1800	-----	-----	-----	-----	5.8	6.0		
1801 - 2400	-----	-----	-----	-----	6.8	7.4		
DAILY VALUE	-----	-----	-----	-----	6.1	6.3		

Table 4-2-1 Cont.

- SEPTEMBER 1982 -

TIME PERIOD	DAYS 1 - 8		DAYS 9 - 16		DAYS 17 - 24		DAYS 25 - 31	
	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER
0001 - 0600	6.0	6.5	5.6	5.6	6.5	7.0	4.3	4.1
0601 - 1200	6.0	5.9	5.4	5.2	6.5	6.5	4.2	3.3
1201 - 1800	5.8	6.3	5.2	5.1	6.3	6.1	4.0	4.1
1801 - 2400	6.0	7.2	5.5	5.6	6.1	5.9	4.2	5.0
DAILY VALUE	6.0	6.5	5.4	5.4	6.3	6.4	4.1	4.1
0001 - 0600	6.2	6.9	5.7	5.9	5.9	6.3	4.4	4.7
0601 - 1200	6.1	5.7	5.5	5.3	5.9	6.1	4.3	4.2
1201 - 1800	5.8	5.6	5.3	5.1	5.8	5.7	4.3	4.6
1801 - 2400	5.8	6.5	5.4	5.7	5.6	6.0	4.4	4.8
DAILY VALUE	6.0	6.2	5.5	5.5	5.8	6.0	4.4	4.6
0001 - 0600	5.9	6.7	5.7	6.0	5.5	6.5	4.5	4.6
0601 - 1200	5.9	5.9	5.5	5.2	5.5	6.3	4.4	4.3
1201 - 1800	5.7	5.5	5.2	4.8	5.4	6.0	4.4	4.7
1801 - 2400	5.7	6.0	5.1	5.0	5.3	6.1	4.5	4.9
DAILY VALUE	5.8	6.0	5.4	5.3	5.4	6.2	4.5	4.6
0001 - 0600	5.8	6.1	5.2	5.1	5.3	6.4	4.5	3.9
0601 - 1200	5.7	5.3	5.0	4.5	5.2	5.8	4.2	3.0
1201 - 1800	5.5	5.2	4.6	4.2	5.1	6.0	4.0	3.6
1801 - 2400	5.5	6.0	4.7	4.8	5.1	6.4	4.1	4.3
DAILY VALUE	5.6	5.6	4.9	4.7	5.2	6.1	4.2	3.7
0001 - 0600	5.7	6.1	5.1	5.5	5.1	5.9	4.2	4.3
0601 - 1200	5.6	5.3	5.1	5.0	5.0	5.7	4.2	4.1
1201 - 1800	5.4	5.2	5.0	4.7	4.9	5.9	4.2	4.6
1801 - 2400	5.5	5.9	4.9	5.0	5.0	6.3	4.4	5.0
DAILY VALUE	5.5	5.6	5.0	5.1	5.0	5.9	4.3	4.5
0001 - 0600	5.6	6.2	5.1	5.5	5.0	6.0	4.6	4.8
0601 - 1200	5.6	5.6	5.2	5.3	5.0	5.7	4.6	4.4
1201 - 1800	5.5	5.5	5.2	5.2	4.8	5.8	4.5	4.7
1801 - 2400	5.6	5.8	5.1	5.6	4.8	5.9	4.6	5.1
DAILY VALUE	5.6	5.8	5.1	5.4	4.9	5.8	4.6	4.8
0001 - 0600	5.6	5.8	5.3	6.3	4.7	4.4	-----	-----
0601 - 1200	5.4	5.3	5.5	6.3	4.5	3.8	-----	-----
1201 - 1800	5.4	5.4	5.7	6.5	4.3	4.1	-----	-----
1801 - 2400	5.8	6.2	6.0	6.8	4.4	4.8	-----	-----
DAILY VALUE	5.5	5.7	5.6	6.5	4.5	4.3	-----	-----
0001 - 0600	6.0	6.2	6.5	7.7	4.4	3.5	MONTHLY VALUE	
0601 - 1200	5.6	5.4	6.7	7.5	4.2	2.7		
1201 - 1800	5.3	5.2	6.7	7.0	4.0	3.8		
1801 - 2400	5.5	5.5	6.6	6.9	4.1	4.9		
DAILY VALUE	5.6	5.6	6.6	7.3	4.2	3.7		

4-C-167

Table 4 - Cont.

- OCTOBER 1982 -

TIME PERIOD	DAYS 1 - 8		DAYS 9 - 16		DAYS 17 - 24		DAYS 25 - 31	
	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER
0001 - 0600	4.7	4.8	3.7	3.2	3.1	2.8	3.2	2.5
0601 - 1200	4.6	4.3	3.5	2.7	3.1	2.7	2.9	2.6
1201 - 1800	4.5	4.4	3.3	2.9	3.1	3.1	-----	-----
1801 - 2400	4.5	4.6	3.5	3.6	3.3	3.4	-----	-----
DAILY VALUE	4.6	4.5	3.5	3.1	3.2	3.0	-----	-----
0001 - 0600	4.5	4.2	3.7	3.7	3.5	3.1	-----	-----
0601 - 1200	4.4	3.8	3.7	3.3	3.4	2.6	-----	-----
1201 - 1800	4.4	4.2	3.7	3.4	3.2	2.6	-----	-----
1801 - 2400	4.5	4.7	3.7	3.6	3.1	3.1	-----	-----
DAILY VALUE	4.5	4.2	3.7	3.5	3.3	2.8	-----	-----
0001 - 0600	4.6	4.4	3.8	3.4	3.3	2.9	-----	-----
0601 - 1200	4.4	3.8	3.6	3.0	3.3	2.9	-----	-----
1201 - 1800	4.3	4.1	3.5	2.9	3.2	2.6	-----	-----
1801 - 2400	4.4	4.5	3.4	3.0	3.0	2.8	-----	-----
DAILY VALUE	4.4	4.2	3.6	3.1	3.2	2.8	-----	-----
0001 - 0600	4.5	4.0	3.4	2.8	3.2	3.0	-----	-----
0601 - 1200	4.2	3.1	3.2	2.5	3.3	2.8	-----	-----
1201 - 1800	3.9	3.0	3.0	2.6	3.2	3.1	-----	-----
1801 - 2400	3.8	3.5	3.1	3.0	3.3	2.8	-----	-----
DAILY VALUE	4.1	3.4	3.2	2.8	3.2	2.9	-----	-----
0001 - 0600	3.8	3.2	3.3	3.2	3.2	2.7	-----	-----
0601 - 1200	3.7	2.7	3.4	2.9	3.1	2.7	-----	-----
1201 - 1800	3.5	2.8	3.3	2.8	3.1	2.9	-----	-----
1801 - 2400	3.5	3.2	3.2	2.9	3.2	2.6	-----	-----
DAILY VALUE	3.6	3.0	3.3	3.0	3.2	2.7	-----	-----
0001 - 0600	3.5	2.9	3.3	2.9	3.0	2.4	-----	-----
0601 - 1200	3.3	2.4	3.3	2.7	2.8	2.3	-----	-----
1201 - 1800	3.2	2.7	3.2	2.7	2.8	3.0	-----	-----
1801 - 2400	3.3	3.4	3.2	3.0	3.2	2.9	-----	-----
DAILY VALUE	3.3	2.8	3.2	2.8	3.0	2.7	-----	-----
0001 - 0600	3.5	3.4	3.3	3.0	3.2	2.8	-----	-----
0601 - 1200	3.5	3.0	3.2	2.4	3.2	2.7	-----	-----
1201 - 1800	3.5	3.0	3.1	2.5	3.0	2.9	-----	-----
1801 - 2400	3.5	3.4	3.0	2.9	3.2	2.8	-----	-----
DAILY VALUE	3.5	3.2	3.2	2.7	3.2	2.8	-----	-----
0001 - 0600	3.6	3.4	3.1	2.8	3.2	2.7	MONTHLY VALUE	
0601 - 1200	3.6	3.1	3.1	2.7	3.1	2.8		
1201 - 1800	3.5	3.2	3.1	2.9	3.1	3.1		
1801 - 2400	3.6	3.6	3.1	2.9	3.4	3.0	3.5	3.1
DAILY VALUE	3.6	3.3	3.1	2.8	3.2	2.9		

Table 4C-36 Mean intragravel and surface water temperature (C) datapod data summary, at Slough 19, RM 140.0, Geocode S31N02W10DBA. A two part linear equation interpolation method was used in order to "correct" readings from actual six hour and three minute time intervals to six hour intervals.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8		DAYS 9 - 16		DAYS 17 - 24		DAYS 25 - 31	
	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER
0001 - 0600	-----	-----	-----	-----	-----	-----	3.1	5.6
0601 - 1200	-----	-----	-----	-----	-----	-----	3.1	4.6
1201 - 1800	-----	-----	-----	-----	-----	-----	3.0	4.9
1801 - 2400	-----	-----	-----	-----	-----	-----	3.0	6.3
DAILY VALUE	-----	-----	-----	-----	-----	-----	3.1	5.4
0001 - 0600	-----	-----	-----	-----	-----	-----	3.1	5.7
0601 - 1200	-----	-----	-----	-----	-----	-----	3.0	4.6
1201 - 1800	-----	-----	-----	-----	-----	-----	3.0	4.9
1801 - 2400	-----	-----	-----	-----	-----	-----	3.0	6.5
DAILY VALUE	-----	-----	-----	-----	-----	-----	3.0	5.4
0001 - 0600	-----	-----	-----	-----	-----	-----	3.1	5.6
0601 - 1200	-----	-----	-----	-----	-----	-----	3.0	4.0
1201 - 1800	-----	-----	-----	-----	-----	-----	2.9	3.7
1801 - 2400	-----	-----	-----	-----	-----	-----	2.9	5.7
DAILY VALUE	-----	-----	-----	-----	-----	-----	3.0	4.7
0001 - 0600	-----	-----	-----	-----	-----	-----	3.0	5.3
0601 - 1200	-----	-----	-----	-----	-----	-----	3.0	4.1
1201 - 1800	-----	-----	-----	-----	-----	-----	2.9	4.0
1801 - 2400	-----	-----	-----	-----	-----	-----	3.0	5.2
DAILY VALUE	-----	-----	-----	-----	-----	-----	3.0	4.6
0001 - 0600	-----	-----	-----	-----	-----	-----	3.0	5.2
0601 - 1200	-----	-----	-----	-----	-----	-----	3.0	4.4
1201 - 1800	-----	-----	-----	-----	-----	-----	3.0	4.5
1801 - 2400	-----	-----	-----	-----	2.9	6.8	3.0	5.0
DAILY VALUE	-----	-----	-----	-----	-----	-----	3.0	4.8
0001 - 0600	-----	-----	-----	-----	3.0	5.5	3.0	4.9
0601 - 1200	-----	-----	-----	-----	3.0	3.7	3.0	4.4
1201 - 1800	-----	-----	-----	-----	2.9	3.5	3.0	4.3
1801 - 2400	-----	-----	-----	-----	2.9	6.2	3.0	4.5
DAILY VALUE	-----	-----	-----	-----	3.0	4.7	3.0	4.5
0001 - 0600	-----	-----	-----	-----	3.0	5.5	3.0	4.4
0601 - 1200	-----	-----	-----	-----	3.0	4.4	2.9	4.0
1201 - 1800	-----	-----	-----	-----	3.0	4.7	2.9	4.2
1801 - 2400	-----	-----	-----	-----	3.0	5.9	2.9	4.8
DAILY VALUE	-----	-----	-----	-----	3.0	5.1	2.9	4.3
0001 - 0600	-----	-----	-----	-----	3.0	5.0	MONTHLY VALUE	
0601 - 1200	-----	-----	-----	-----	3.0	4.1		
1201 - 1800	-----	-----	-----	-----	3.0	4.5		
1801 - 2400	-----	-----	-----	-----	3.0	6.2		
DAILY VALUE	-----	-----	-----	-----	3.0	4.9		

Table 4/10-86 Cont.

- SEPTEMBER 1982 -

TIME PERIOD	DAYS 1 - 8		DAYS 9 - 16		DAYS 17 - 24		DAYS 25 - 31	
	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER
0001 - 0600	2.9	4.7	3.1	5.0	3.9	5.0	3.3	3.4
0601 - 1200	2.9	4.1	3.1	4.5	4.1	4.4	3.1	3.2
1201 - 1800	2.9	4.3	3.1	4.2	3.9	4.2	3.2	3.4
1801 - 2400	3.0	5.0	3.1	4.7	3.8	4.2	3.3	3.6
DAILY VALUE	2.9	4.5	3.1	4.6	3.9	4.5	3.2	3.4
0001 - 0600	3.1	4.7	3.1	4.8	3.9	4.4	3.3	3.4
0601 - 1200	3.1	3.9	3.1	4.2	3.8	4.1	3.3	3.3
1201 - 1800	3.0	4.1	3.1	4.0	3.7	3.8	3.3	3.5
1801 - 2400	3.0	5.0	3.1	4.4	3.6	4.1	3.4	3.6
DAILY VALUE	3.0	4.4	3.1	4.3	3.7	4.1	3.3	3.5
0001 - 0600	3.0	5.1	3.1	4.5	3.7	4.4	3.3	3.5
0601 - 1200	3.0	4.3	3.1	4.0	3.6	3.9	3.3	3.4
1201 - 1800	2.9	4.1	3.1	3.7	3.5	3.7	3.4	3.6
1801 - 2400	2.9	4.6	3.0	4.0	3.5	3.9	3.4	3.9
DAILY VALUE	2.9	4.5	3.1	4.0	3.6	4.0	3.4	3.6
0001 - 0600	2.9	4.7	3.0	4.1	3.5	4.1	3.3	3.5
0601 - 1200	2.9	4.1	3.0	3.7	3.5	3.7	3.2	3.0
1201 - 1800	2.9	4.1	3.0	3.4	3.4	3.9	3.2	3.2
1801 - 2400	2.9	4.7	3.0	3.7	3.5	4.3	3.3	3.4
DAILY VALUE	2.9	4.4	3.0	3.7	3.5	4.0	3.2	3.3
0001 - 0600	3.0	4.7	3.0	4.2	3.5	3.8	3.3	3.3
0601 - 1200	3.0	4.0	3.0	3.9	3.5	3.6	3.3	3.3
1201 - 1800	2.9	3.9	3.1	3.7	3.5	4.0	3.3	3.5
1801 - 2400	2.9	4.5	3.0	3.9	3.6	4.1	3.4	3.6
DAILY VALUE	3.0	4.3	3.0	3.9	3.5	3.9	3.4	3.4
0001 - 0600	3.0	4.7	3.0	4.1	3.5	3.8	3.4	3.4
0601 - 1200	3.0	4.2	3.0	3.8	3.5	3.6	3.4	3.3
1201 - 1800	3.0	4.0	3.1	3.8	3.4	3.9	3.4	3.4
1801 - 2400	3.0	4.5	3.1	4.1	3.6	4.3	-----	3.6
DAILY VALUE	3.0	4.3	3.1	4.0	3.5	3.9	3.4	3.4
0001 - 0600	3.0	4.6	3.1	4.5	3.5	3.7	-----	-----
0601 - 1200	3.0	4.3	3.2	4.2	3.3	3.3	-----	-----
1201 - 1800	3.0	4.5	3.3	4.1	3.2	3.4	-----	-----
1801 - 2400	3.0	5.5	3.3	4.4	3.4	3.9	-----	-----
DAILY VALUE	3.0	4.7	3.2	4.3	3.4	3.6	-----	-----
0001 - 0600	3.1	5.7	3.4	4.9	3.3	3.4	MONTHLY VALUE	
0601 - 1200	3.2	4.8	3.5	4.4	3.2	3.1		
1201 - 1800	3.1	4.4	3.5	4.3	3.2	3.4		
1801 - 2400	3.1	4.8	3.6	4.5	3.3	3.8	3.2	4.0
DAILY VALUE	3.1	4.9	3.5	4.5	3.2	3.4		

4-C-170

Table 4.6 Cont.

- OCTOBER 1982 -

TIME PERIOD	DAYS 1 - 8		DAYS 9 - 16		DAYS 17 - 24		DAYS 25 - 31	
	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER
0001 - 0600	-----	3.6	-----	2.7	-----	2.0	-----	2.3
0601 - 1200	-----	3.4	-----	2.4	-----	1.8	-----	2.2
1201 - 1800	-----	3.5	-----	2.5	-----	2.0	-----	-----
1801 - 2400	-----	3.7	-----	2.7	-----	2.5	-----	-----
DAILY VALUE	-----	3.6	-----	2.6	-----	2.1	-----	-----
0001 - 0600	-----	3.4	-----	2.7	-----	2.6	-----	-----
0601 - 1200	-----	3.1	-----	2.5	-----	2.3	-----	-----
1201 - 1800	-----	3.3	-----	2.5	-----	2.4	-----	-----
1801 - 2400	-----	3.6	-----	2.5	-----	2.6	-----	-----
DAILY VALUE	-----	3.4	-----	2.5	-----	2.5	-----	-----
0001 - 0600	-----	3.4	-----	2.5	-----	2.3	-----	-----
0601 - 1200	-----	3.0	-----	2.5	-----	1.8	-----	-----
1201 - 1800	-----	3.2	-----	2.6	-----	1.6	-----	-----
1801 - 2400	-----	3.5	-----	2.7	-----	1.8	-----	-----
DAILY VALUE	-----	3.3	-----	2.6	-----	1.9	-----	-----
0001 - 0600	-----	3.3	-----	2.5	-----	1.8	-----	-----
0601 - 1200	-----	2.8	-----	2.2	-----	1.5	-----	-----
1201 - 1800	-----	2.8	-----	2.2	-----	2.0	-----	-----
1801 - 2400	-----	3.0	-----	2.4	-----	2.0	-----	-----
DAILY VALUE	-----	3.0	-----	2.3	-----	1.8	-----	-----
0001 - 0600	-----	2.9	-----	2.4	-----	2.1	-----	-----
0601 - 1200	-----	2.6	-----	2.0	-----	2.3	-----	-----
1201 - 1800	-----	2.6	-----	2.1	-----	2.3	-----	-----
1801 - 2400	-----	2.7	-----	2.5	-----	1.8	-----	-----
DAILY VALUE	-----	2.7	-----	2.2	-----	2.1	-----	-----
0001 - 0600	-----	2.6	-----	2.5	-----	1.7	-----	-----
0601 - 1200	-----	2.4	-----	2.1	-----	1.8	-----	-----
1201 - 1800	-----	2.5	-----	2.3	-----	2.1	-----	-----
1801 - 2400	-----	2.8	-----	2.9	-----	1.9	-----	-----
DAILY VALUE	-----	2.6	-----	2.5	-----	1.9	-----	-----
0001 - 0600	-----	2.7	-----	3.1	-----	2.0	-----	-----
0601 - 1200	-----	2.5	-----	2.6	-----	2.1	-----	-----
1201 - 1800	-----	2.5	-----	2.7	-----	2.1	-----	-----
1801 - 2400	-----	2.6	-----	2.9	-----	1.9	-----	-----
DAILY VALUE	-----	2.6	-----	2.8	-----	2.0	-----	-----
0001 - 0600	-----	2.6	-----	2.7	-----	2.0	MONTHLY VALUE	
0601 - 1200	-----	2.3	-----	2.4	-----	2.0		
1201 - 1800	-----	2.4	-----	2.2	-----	2.2		
1801 - 2400	-----	2.8	-----	2.1	-----	2.3	2.5	
DAILY VALUE	-----	2.5	-----	2.4	-----	2.1		

4-C-171

Table 4-7 Mean intragravel and surface water temperature (C) datapod data summary, at Slough 21-Mouth, RM 141.8, Geocode S31N02W02AAB. A two part linear equation interpolation method was used in order to "correct" readings from actual six hour and three minute time intervals to six hour intervals.

- SEPTEMBER 1982 -

TIME PERIOD	DAYS 1 - 8		DAYS 9 - 16		DAYS 17 - 24		DAYS 25 - 31	
	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER
0001 - 0600	-----	-----	-----	-----	-----	-----	3.6	3.6
0601 - 1200	-----	-----	-----	-----	-----	-----	3.7	3.0
1201 - 1800	-----	-----	-----	-----	-----	-----	3.6	3.3
1801 - 2400	-----	-----	-----	-----	6.9	6.8	3.6	3.8
DAILY VALUE	-----	-----	-----	-----	-----	-----	3.6	3.4
0001 - 0600	-----	-----	-----	-----	6.4	6.3	3.6	3.8
0601 - 1200	-----	-----	-----	-----	5.9	5.8	3.7	3.5
1201 - 1800	-----	-----	-----	-----	5.5	5.4	3.7	3.6
1801 - 2400	-----	-----	-----	-----	5.5	5.3	3.7	3.8
DAILY VALUE	-----	-----	-----	-----	5.8	5.7	3.7	3.7
0001 - 0600	-----	-----	-----	-----	4.9	4.6	3.6	3.7
0601 - 1200	-----	-----	-----	-----	4.5	5.0	3.6	3.5
1201 - 1800	-----	-----	-----	-----	4.4	5.4	3.6	3.7
1801 - 2400	-----	-----	-----	-----	3.8	5.1	3.6	4.0
DAILY VALUE	-----	-----	-----	-----	4.4	5.0	3.6	3.7
0001 - 0600	-----	-----	-----	-----	3.7	4.9	3.6	3.5
0601 - 1200	-----	-----	-----	-----	3.6	4.8	3.6	2.8
1201 - 1800	-----	-----	-----	-----	3.7	5.0	3.7	3.0
1801 - 2400	-----	-----	-----	-----	3.7	5.1	3.7	3.5
DAILY VALUE	-----	-----	-----	-----	3.7	4.9	3.7	3.2
0001 - 0600	-----	-----	-----	-----	3.7	4.7	3.7	3.5
0601 - 1200	-----	-----	-----	-----	3.7	4.6	3.7	3.4
1201 - 1800	-----	-----	-----	-----	3.6	5.1	3.7	3.6
1801 - 2400	-----	-----	-----	-----	3.6	5.2	3.7	3.9
DAILY VALUE	-----	-----	-----	-----	3.7	4.9	3.7	3.6
0001 - 0600	-----	-----	-----	-----	3.7	4.8	3.7	3.8
0601 - 1200	-----	-----	-----	-----	3.6	4.1	3.7	3.5
1201 - 1800	-----	-----	-----	-----	3.7	4.3	3.7	3.7
1801 - 2400	-----	-----	-----	-----	3.6	4.5	3.7	4.0
DAILY VALUE	-----	-----	-----	-----	3.6	4.4	3.7	3.8
0001 - 0600	-----	-----	-----	-----	3.6	3.8	-----	-----
0601 - 1200	-----	-----	-----	-----	3.6	3.1	-----	-----
1201 - 1800	-----	-----	-----	-----	3.6	3.0	-----	-----
1801 - 2400	-----	-----	-----	-----	3.7	3.8	-----	-----
DAILY VALUE	-----	-----	-----	-----	3.6	3.4	-----	-----
0001 - 0600	-----	-----	-----	-----	3.6	3.3	MONTHLY VALUE	
0601 - 1200	-----	-----	-----	-----	3.6	2.6		
1201 - 1800	-----	-----	-----	-----	3.6	3.0		
1801 - 2400	-----	-----	-----	-----	3.6	3.8		
DAILY VALUE	-----	-----	-----	-----	3.6	3.2		

Table 4/ (Cont.)

- OCTOBER 1982 -

TIME PERIOD	DAYS 1 - 8		DAYS 9 - 16		DAYS 17 - 24		DAYS 25 - 31	
	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER
0001 - 0600	3.7	3.9	3.3	3.0	2.8	2.2	3.7	1.1
0601 - 1200	3.7	3.5	2.7	2.3	3.0	2.5	3.7	1.0
1201 - 1800	3.7	3.6	2.7	2.4	3.4	3.0	-----	-----
1801 - 2400	3.7	3.8	3.3	3.1	3.2	2.7	-----	-----
DAILY VALUE	3.7	3.7	3.0	2.7	3.1	2.6	-----	-----
0001 - 0600	3.7	3.6	3.5	3.2	2.4	1.8	-----	-----
0601 - 1200	3.7	3.3	3.2	2.8	2.3	1.5	-----	-----
1201 - 1800	3.7	3.5	3.2	2.8	2.8	2.1	-----	-----
1801 - 2400	3.6	3.8	3.3	3.0	2.9	2.4	-----	-----
DAILY VALUE	3.7	3.6	3.3	2.9	2.6	1.9	-----	-----
0001 - 0600	3.7	3.7	3.2	2.9	2.8	2.3	-----	-----
0601 - 1200	3.7	3.2	2.9	2.5	2.7	2.1	-----	-----
1201 - 1800	3.7	3.3	2.8	2.4	2.7	2.1	-----	-----
1801 - 2400	3.7	3.7	3.0	2.6	3.1	2.6	-----	-----
DAILY VALUE	3.7	3.4	3.0	2.6	2.8	2.3	-----	-----
0001 - 0600	3.5	3.5	3.0	2.7	2.8	2.2	-----	-----
0601 - 1200	3.1	2.8	2.7	2.4	2.6	1.9	-----	-----
1201 - 1800	2.8	2.6	2.7	2.3	2.7	2.1	-----	-----
1801 - 2400	3.2	2.9	3.1	2.7	2.5	1.9	-----	-----
DAILY VALUE	3.2	2.9	2.9	2.5	2.7	2.0	-----	-----
0001 - 0600	3.3	3.0	3.4	3.0	2.0	1.3	-----	-----
0601 - 1200	3.0	2.6	3.0	2.6	1.8	1.0	-----	-----
1201 - 1800	2.9	2.4	2.9	2.5	1.9	1.1	-----	-----
1801 - 2400	3.0	2.6	3.0	2.7	1.8	.9	-----	-----
DAILY VALUE	3.0	2.6	3.1	2.7	1.9	1.1	-----	-----
0001 - 0600	2.9	2.5	3.1	2.7	1.6	.7	-----	-----
0601 - 1200	2.6	2.2	2.9	2.5	1.7	.8	-----	-----
1201 - 1800	2.7	2.3	2.7	2.3	2.0	1.1	-----	-----
1801 - 2400	3.2	2.9	3.0	2.6	3.0	1.2	-----	-----
DAILY VALUE	2.9	2.5	2.9	2.5	2.1	1.0	-----	-----
0001 - 0600	3.3	3.0	3.2	2.9	3.5	1.1	-----	-----
0601 - 1200	2.9	2.6	2.3	1.7	3.6	.9	-----	-----
1201 - 1800	2.9	2.6	1.9	1.3	3.6	1.0	-----	-----
1801 - 2400	3.1	2.8	2.1	1.5	3.6	.9	-----	-----
DAILY VALUE	3.1	2.8	2.4	1.8	3.6	1.0	-----	-----
0001 - 0600	3.2	2.9	2.7	2.0	3.6	.7	MONTHLY VALUE	
0601 - 1200	3.0	2.7	2.3	1.6	3.6	.9		
1201 - 1800	3.0	2.7	2.6	2.0	3.6	1.2		
1801 - 2400	3.3	3.0	2.8	2.3	3.6	1.4	3.0	2.4
DAILY VALUE	3.1	2.8	2.6	2.0	3.6	1.0		

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Table 4-C-32 Mean intragravel and surface water temperature (C) datapod data summary, at Slough 21-Upper, RM 142.0, Geocode S32N02W36CCC. A two part linear equation interpolation method was used in order to "correct" readings from actual six hour and three minute time intervals to six hour intervals.

- AUGUST 1982 -

TIME PERIOD	DAYS 1 - 8		DAYS 9 - 16		DAYS 17 - 24		DAYS 25 - 31	
	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER
0001 - 0600	-----	-----	-----	-----	-----	-----	4.1	5.9
0601 - 1200	-----	-----	-----	-----	-----	-----	4.0	5.2
1201 - 1800	-----	-----	-----	-----	-----	-----	4.1	5.8
1801 - 2400	-----	-----	-----	-----	-----	-----	4.3	7.0
DAILY VALUE	-----	-----	-----	-----	-----	-----	4.1	6.0
0001 - 0600	-----	-----	-----	-----	-----	-----	4.2	6.1
0601 - 1200	-----	-----	-----	-----	-----	-----	4.0	5.3
1201 - 1800	-----	-----	-----	-----	-----	-----	4.1	5.8
1801 - 2400	-----	-----	-----	-----	-----	-----	4.3	7.1
DAILY VALUE	-----	-----	-----	-----	-----	-----	4.2	6.1
0001 - 0600	-----	-----	-----	-----	-----	-----	4.1	6.0
0601 - 1200	-----	-----	-----	-----	-----	-----	4.0	4.6
1201 - 1800	-----	-----	-----	-----	-----	-----	4.0	4.9
1801 - 2400	-----	-----	-----	-----	-----	-----	4.2	6.5
DAILY VALUE	-----	-----	-----	-----	-----	-----	4.1	5.5
0001 - 0600	-----	-----	-----	-----	-----	-----	4.1	5.8
0601 - 1200	-----	-----	-----	-----	-----	-----	4.0	4.8
1201 - 1800	-----	-----	-----	-----	-----	-----	4.0	5.0
1801 - 2400	-----	-----	-----	-----	-----	-----	4.1	5.9
DAILY VALUE	-----	-----	-----	-----	-----	-----	4.0	5.4
0001 - 0600	-----	-----	-----	-----	-----	-----	4.1	5.6
0601 - 1200	-----	-----	-----	-----	-----	-----	4.0	5.0
1201 - 1800	-----	-----	-----	-----	-----	-----	4.0	5.2
1801 - 2400	-----	-----	-----	-----	3.7	7.2	4.0	5.7
DAILY VALUE	-----	-----	-----	-----	-----	-----	4.0	5.4
0001 - 0600	-----	-----	-----	-----	3.7	5.4	4.0	5.5
0601 - 1200	-----	-----	-----	-----	3.7	4.3	4.0	5.0
1201 - 1800	-----	-----	-----	-----	3.7	4.6	4.0	5.1
1801 - 2400	-----	-----	-----	-----	3.7	6.9	4.0	5.3
DAILY VALUE	-----	-----	-----	-----	3.7	5.3	4.0	5.2
0001 - 0600	-----	-----	-----	-----	3.7	5.7	4.0	5.2
0601 - 1200	-----	-----	-----	-----	3.8	5.1	3.9	4.8
1201 - 1800	-----	-----	-----	-----	3.7	5.3	3.9	5.1
1801 - 2400	-----	-----	-----	-----	3.7	6.3	4.0	5.7
DAILY VALUE	-----	-----	-----	-----	3.7	5.6	4.0	5.2
0001 - 0600	-----	-----	-----	-----	3.8	5.4	MONTHLY VALUE	
0601 - 1200	-----	-----	-----	-----	3.8	4.9		
1201 - 1800	-----	-----	-----	-----	4.0	5.3		
1801 - 2400	-----	-----	-----	-----	4.2	6.8		
DAILY VALUE	-----	-----	-----	-----	3.9	5.6		

Table 4-C-20 Cont.

- SEPTEMBER 1982 -

TIME PERIOD	DAYS 1 - 8		DAYS 9 - 16		DAYS 17 - 24		DAYS 25 - 31	
	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER
0001 - 0600	4.0	5.5	3.9	5.2	7.3	7.9	3.8	3.7
0601 - 1200	3.9	5.0	3.9	4.8	7.3	7.7	3.6	3.1
1201 - 1800	4.0	5.4	3.9	4.8	6.8	7.4	3.8	3.6
1801 - 2400	4.1	6.0	3.9	5.3	6.6	7.1	4.0	4.1
DAILY VALUE	4.0	5.5	3.9	5.0	7.0	7.5	3.8	3.6
0001 - 0600	4.0	5.6	3.9	5.3	6.2	7.1	3.9	3.9
0601 - 1200	3.9	4.9	3.9	4.7	5.5	6.7	3.7	3.6
1201 - 1800	4.0	5.1	3.9	4.7	5.0	6.1	3.9	3.8
1801 - 2400	4.1	5.9	3.9	5.2	4.6	5.7	4.0	4.0
DAILY VALUE	4.0	5.4	3.9	5.0	5.3	6.4	3.9	3.8
0001 - 0600	4.1	5.8	3.9	5.3	4.6	5.6	3.9	3.8
0601 - 1200	4.0	5.1	3.9	4.6	4.3	4.8	3.8	3.7
1201 - 1800	4.0	5.0	3.9	4.4	4.1	4.5	4.0	4.0
1801 - 2400	4.0	5.4	3.8	4.6	4.2	4.7	4.0	4.1
DAILY VALUE	4.0	5.3	3.9	4.7	4.3	4.9	3.9	3.9
0001 - 0600	4.0	5.3	3.8	4.7	4.3	5.0	3.7	3.5
0601 - 1200	3.9	4.7	3.8	4.3	4.1	4.3	3.5	3.0
1201 - 1800	3.9	4.8	3.8	4.0	4.2	4.8	3.7	3.3
1801 - 2400	4.0	5.4	3.8	4.3	4.4	5.1	3.8	3.7
DAILY VALUE	3.9	5.1	3.8	4.3	4.2	4.8	3.7	3.4
0001 - 0600	4.0	5.3	3.8	5.0	4.1	4.5	3.8	3.6
0601 - 1200	3.9	4.7	3.8	4.4	4.0	4.2	3.8	3.5
1201 - 1800	3.9	4.7	3.8	4.3	4.2	4.7	3.9	3.8
1801 - 2400	3.9	5.3	3.8	4.6	4.3	4.9	4.0	4.0
DAILY VALUE	3.9	5.0	3.8	4.6	4.1	4.6	3.8	3.7
0001 - 0600	4.0	5.4	3.8	4.9	4.1	4.5	4.0	3.9
0601 - 1200	3.9	5.0	3.9	4.7	3.9	4.1	3.9	3.7
1201 - 1800	3.9	4.9	3.9	4.7	4.2	4.5	3.9	4.0
1801 - 2400	3.9	5.2	3.8	4.9	4.3	4.8	4.0	4.2
DAILY VALUE	3.9	5.1	3.8	4.8	4.1	4.5	3.9	3.9
0001 - 0600	3.9	5.1	3.8	5.2	3.9	3.9	-----	-----
0601 - 1200	3.8	4.7	3.9	4.9	3.6	3.3	-----	-----
1201 - 1800	3.8	4.9	4.2	5.3	3.8	3.5	-----	-----
1801 - 2400	3.9	5.7	5.2	6.8	4.1	4.4	-----	-----
DAILY VALUE	3.9	5.1	4.3	5.5	3.9	3.8	-----	-----
0001 - 0600	3.9	5.7	5.9	7.7	3.7	3.4	MONTHLY VALUE	
0601 - 1200	3.9	5.0	6.0	8.0	3.5	2.8		
1201 - 1800	3.9	4.8	6.1	8.1	3.7	3.5		
1801 - 2400	3.9	5.2	6.4	7.9	4.0	4.1		
DAILY VALUE	3.9	5.2	6.1	7.9	3.7	3.5	4.2	4.9

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Table 4.2 - Cont.

- OCTOBER 1982 -

TIME PERIOD	DAYS 1 - 8		DAYS 9 - 16		DAYS 17 - 24		DAYS 25 - 31	
	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER	INTRA- GRAVEL	SURFACE WATER
0001 - 0600	3.9	3.9	3.6	3.1	3.6	2.8	3.4	2.3
0601 - 1200	3.8	3.7	3.5	2.7	3.5	2.8	3.4	2.3
1201 - 1800	3.9	3.8	3.6	3.0	3.6	3.0	-----	-----
1801 - 2400	3.9	3.9	3.7	3.3	3.8	3.3	-----	-----
DAILY VALUE	3.9	3.8	3.6	3.0	3.6	3.0	-----	-----
0001 - 0600	3.8	3.7	3.7	3.3	3.7	3.0	-----	-----
0601 - 1200	3.8	3.4	3.6	3.1	3.5	2.5	-----	-----
1201 - 1800	3.9	3.7	3.7	3.1	3.5	2.5	-----	-----
1801 - 2400	4.0	4.0	3.7	3.3	3.6	2.9	-----	-----
DAILY VALUE	3.9	3.7	3.7	3.2	3.6	2.7	-----	-----
0001 - 0600	3.9	3.7	3.6	3.1	3.6	2.9	-----	-----
0601 - 1200	3.7	3.4	3.6	2.9	3.6	2.8	-----	-----
1201 - 1800	3.8	3.6	3.6	2.9	3.6	2.7	-----	-----
1801 - 2400	3.9	3.9	3.6	3.0	3.6	2.8	-----	-----
DAILY VALUE	3.8	3.7	3.6	3.0	3.6	2.8	-----	-----
0001 - 0600	3.8	3.5	3.6	2.9	3.6	3.0	-----	-----
0601 - 1200	3.6	3.0	3.5	2.8	3.5	2.7	-----	-----
1201 - 1800	3.6	3.0	3.6	2.9	3.5	2.8	-----	-----
1801 - 2400	3.7	3.3	3.6	3.1	3.5	2.7	-----	-----
DAILY VALUE	3.7	3.2	3.6	2.9	3.5	2.8	-----	-----
0001 - 0600	3.6	3.2	3.7	3.2	3.4	2.3	-----	-----
0601 - 1200	3.5	2.8	3.6	3.0	3.4	2.3	-----	-----
1201 - 1800	3.5	2.8	3.5	2.9	3.5	2.5	-----	-----
1801 - 2400	3.6	3.0	3.6	3.0	3.5	2.3	-----	-----
DAILY VALUE	3.6	3.0	3.6	3.0	3.4	2.4	-----	-----
0001 - 0600	3.5	2.9	3.6	3.0	3.5	2.2	-----	-----
0601 - 1200	3.4	2.6	3.6	2.8	3.5	2.3	-----	-----
1201 - 1800	3.5	2.8	3.6	2.8	3.5	2.5	-----	-----
1801 - 2400	3.7	3.2	3.6	3.1	3.5	2.4	-----	-----
DAILY VALUE	3.6	2.9	3.6	2.9	3.5	2.3	-----	-----
0001 - 0600	3.7	3.1	3.6	3.0	3.5	2.3	-----	-----
0601 - 1200	3.6	2.9	3.5	2.5	3.5	2.3	-----	-----
1201 - 1800	3.6	2.9	3.5	2.4	3.5	2.4	-----	-----
1801 - 2400	3.6	3.1	3.5	2.6	3.4	2.3	-----	-----
DAILY VALUE	3.6	3.0	3.5	2.6	3.5	2.3	-----	-----
0001 - 0600	3.6	3.1	3.6	2.7	3.4	2.1	MONTHLY VALUE	
0601 - 1200	3.6	2.9	3.5	2.6	3.5	2.3		
1201 - 1800	3.6	3.1	3.5	2.7	3.5	2.5		
1801 - 2400	3.7	3.3	3.6	2.8	3.4	2.4		
DAILY VALUE	3.6	3.1	3.5	2.7	3.5	2.4	3.6	2.9

Appendix Table 4-C-3 Thermograph data summary, winter surface water temperature (C),
Whiskers Creek Slough, RM 101.2, Geocode S26N05W03ADB.

- FEBRUARY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	----	----	----	----	----	----	0.0	0.0	0.0
0601 - 1200	----	----	----	----	----	----	----	----	----	0.0	0.0	0.0
1201 - 1800	----	----	----	----	----	----	----	----	----	.5	.5	.5
1801 - 2400	----	----	----	----	----	----	----	----	----	.5	.5	.5
DAILY VALUE	----	----	----	----	----	----	----	----	----	0.0	.3	.5
0001 - 0600	----	----	----	----	----	----	----	----	----	0.0	.2	.5
0601 - 1200	----	----	----	----	----	----	----	----	----	0.0	0.0	0.0
1201 - 1800	----	----	----	----	----	----	----	----	----	0.0	0.0	0.0
1801 - 2400	----	----	----	----	----	----	----	----	----	0.0	0.0	0.0
DAILY VALUE	----	----	----	----	----	----	----	----	----	0.0	.0	.5
0001 - 0600	----	----	----	----	----	----	----	----	----	.5	.5	.5
0601 - 1200	----	----	----	----	----	----	----	----	----	.5	.7	1.0
1201 - 1800	----	----	----	----	----	----	----	----	----	1.0	1.0	1.0
1801 - 2400	----	----	----	----	----	----	----	----	----	1.0	1.0	1.0
DAILY VALUE	----	----	----	----	----	----	----	----	----	.5	.8	1.0
0001 - 0600	----	----	----	----	----	----	----	----	----	1.0	1.0	1.0
0601 - 1200	----	----	----	----	----	----	----	----	----	1.0	1.0	1.0
1201 - 1800	----	----	----	----	----	----	----	----	----	1.0	1.0	1.0
1801 - 2400	----	----	----	----	----	----	----	----	----	1.0	1.0	1.0
DAILY VALUE	----	----	----	----	----	----	----	----	----	1.0	1.0	1.0
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	1.5	1.5	1.5	----	----	----
1801 - 2400	----	----	----	----	----	----	1.5	1.5	1.5	----	----	----
DAILY VALUE	----	----	----	----	----	----	1.5	----	1.5	----	----	----
0001 - 0600	----	----	----	----	----	----	1.5	1.5	1.5	----	----	----
0601 - 1200	----	----	----	----	----	----	1.5	1.5	1.5	----	----	----
1201 - 1800	----	----	----	----	----	----	1.5	----	1.5	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	1.5	----	1.5	----	----	----
0001 - 0600	----	----	----	----	----	----	.5	.7	1.0	MONTHLY VALUE		
0601 - 1200	----	----	----	----	----	----	0.0	0.0	0.0			
1201 - 1800	----	----	----	----	----	----	0.0	0.0	0.0			
1801 - 2400	----	----	----	----	----	----	0.0	0.0	0.0			
DAILY VALUE	----	----	----	----	----	----	0.0	.2	1.0	0.0	----	1.5

Appendix Table 4 (3) Cont.

- MARCH 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
0601 - 1200	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1201 - 1800	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1801 - 2400	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
DAILY VALUE	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
0001 - 0600	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
0601 - 1200	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1201 - 1800	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1801 - 2400	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
DAILY VALUE	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
0001 - 0600	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
0601 - 1200	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1201 - 1800	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1801 - 2400	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
DAILY VALUE	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
0001 - 0600	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
0601 - 1200	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1201 - 1800	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1801 - 2400	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
DAILY VALUE	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
0001 - 0600	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
0601 - 1200	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1201 - 1800	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1801 - 2400	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
DAILY VALUE	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
0001 - 0600	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
0601 - 1200	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1201 - 1800	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1801 - 2400	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
DAILY VALUE	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
0001 - 0600	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	MONTHLY VALUE		
0601 - 1200	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5			
1201 - 1800	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5			
1801 - 2400	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.0	1.4	1.5
DAILY VALUE	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5			

4-C-173

Appendix Table 4-C-39 Cont.

- APRIL 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
0601 - 1200	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1201 - 1800	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1801 - 2400	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
DAILY VALUE	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
0001 - 0600	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
0601 - 1200	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.7	2.0
1201 - 1800	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0
1801 - 2400	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0
DAILY VALUE	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.8	2.0
0001 - 0600	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0
0601 - 1200	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0
1201 - 1800	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0
1801 - 2400	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0
DAILY VALUE	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0
0001 - 0600	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0
0601 - 1200	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0
1201 - 1800	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0
1801 - 2400	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0
DAILY VALUE	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0
0001 - 0600	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0
0601 - 1200	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0
1201 - 1800	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0
1801 - 2400	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0
DAILY VALUE	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0
0001 - 0600	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	----	----	----
0601 - 1200	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	----	----	----
1201 - 1800	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	----	----	----
1801 - 2400	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	----	----	----
DAILY VALUE	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	----	----	----
0001 - 0600	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	MONTHLY VALUE		
0601 - 1200	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5			
1201 - 1800	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5			
1801 - 2400	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5			
DAILY VALUE	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	2.0

Appendix Table 4-C-39 Cont.

- MAY 1982 -

[illegible]

Appendix

Table 4-C-40 Thermograph data summary, winter surface water temperature (C),
Slough 9B, RM 129.0, Geocode S30N03W16ABB.

- FEBRUARY 1982 -

[illegible]

Appendix Table 4-C-40 Cont.

- MARCH 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	1.8	1.8	1.8	1.8	1.8	1.8	2.3	2.3	2.3	1.8	1.8	1.8
0601 - 1200	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.0	2.3	1.8	1.8	1.8
1201 - 1800	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
1801 - 2400	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
DAILY VALUE	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.0	2.3	1.8	1.8	1.8
0001 - 0600	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
0601 - 1200	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
1201 - 1800	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.3	2.6	2.8
1801 - 2400	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.1	2.3
DAILY VALUE	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.1	2.8
0001 - 0600	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
0601 - 1200	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.0	2.3
1201 - 1800	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.8	3.1	3.3
1801 - 2400	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.8	3.0	3.3
DAILY VALUE	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.5	3.3
0001 - 0600	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.8	2.8	2.8
0601 - 1200	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.8	2.8	2.8
1201 - 1800	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.3	3.6	3.8
1801 - 2400	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.8	3.1	3.3
DAILY VALUE	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.8	3.1	3.8
0001 - 0600	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.8	2.8	2.8
0601 - 1200	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.8	2.8	2.8
1201 - 1800	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.3	3.6	3.8
1801 - 2400	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.8	3.1	3.3
DAILY VALUE	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.8	3.1	3.8
0001 - 0600	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.8	2.8	2.8
0601 - 1200	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.8	3.0	3.3
1201 - 1800	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.3	3.6	3.8
1801 - 2400	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.8	3.3	3.8
DAILY VALUE	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.8	3.2	3.8
0001 - 0600	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.8	2.8	2.8
0601 - 1200	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.8	3.0	3.3
1201 - 1800	1.8	1.8	1.8	2.3	2.3	2.3	1.8	1.8	1.8	3.8	3.8	3.8
1801 - 2400	1.8	2.0	2.3	2.3	2.3	2.3	1.8	1.8	1.8	2.8	3.3	3.8
DAILY VALUE	1.8	1.8	2.3	1.8	2.0	2.3	1.8	1.8	1.8	2.8	3.2	3.8
0001 - 0600	1.8	1.8	1.8	2.3	2.3	2.3	1.8	1.8	1.8	-----		
0601 - 1200	1.8	1.8	1.8	2.3	2.3	2.3	1.8	1.8	1.8	MONTHLY VALUE		
1201 - 1800	1.8	1.8	1.8	2.3	2.3	2.3	2.3	2.3	2.3	-----		
1801 - 2400	1.8	1.8	1.8	2.3	2.3	2.3	1.8	2.1	2.3	1.8	2.0	3.8
DAILY VALUE	1.8	1.8	1.8	2.3	2.3	2.3	1.8	2.0	2.3			

Appendix Table 4C-40 Cont.

- APRIL 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	2.8	2.8	2.8	2.8	2.8	2.8	3.3	3.3	3.3	3.8	4.1	4.3
0601 - 1200	2.8	3.0	3.3	2.8	3.0	3.3	3.3	3.5	3.8	4.3	5.1	5.8
1201 - 1800	3.8	3.8	3.8	3.8	4.1	4.3	4.3	4.6	4.8	6.8	6.8	6.8
1801 - 2400	2.8	3.0	3.3	3.3	3.6	3.8	3.8	4.3	4.8	5.3	6.0	6.8
DAILY VALUE	2.8	3.1	3.8	2.8	3.4	4.3	3.3	3.9	4.8	3.8	5.5	6.8
0001 - 0600	2.8	2.8	2.8	2.8	2.8	2.8	3.3	3.3	3.3	4.8	4.8	4.8
0601 - 1200	2.8	2.8	2.8	2.8	3.1	3.3	3.3	3.5	3.8	4.8	5.5	6.3
1201 - 1800	3.3	3.6	3.8	4.3	4.3	4.3	4.3	4.3	4.3	7.3	7.3	7.3
1801 - 2400	2.8	3.0	3.3	3.3	3.6	3.8	3.3	4.0	4.3	4.8	6.0	6.8
DAILY VALUE	2.8	3.0	3.8	2.8	3.5	4.3	3.3	3.8	4.3	4.8	5.9	7.3
0001 - 0600	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.8	4.0	4.3
0601 - 1200	2.8	3.0	3.3	2.8	3.3	3.8	2.8	3.3	4.3	3.8	4.8	5.8
1201 - 1800	3.8	3.8	3.8	4.3	4.3	4.3	4.8	4.8	4.8	6.8	7.1	7.3
1801 - 2400	2.8	3.0	3.3	3.3	3.8	4.3	2.8	3.5	4.3	5.8	6.6	7.3
DAILY VALUE	2.8	3.1	3.8	2.8	3.5	4.3	2.8	3.6	4.8	3.8	5.6	7.3
0001 - 0600	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	4.3	4.5	4.8
0601 - 1200	2.8	3.0	3.3	2.8	3.3	3.8	2.8	3.3	4.3	4.3	5.6	6.8
1201 - 1800	3.8	3.8	3.8	4.3	4.6	4.8	5.3	5.3	5.3	7.8	8.1	8.3
1801 - 2400	2.8	3.3	3.8	3.3	3.8	4.3	4.3	4.8	5.3	5.8	6.8	7.8
DAILY VALUE	2.8	3.2	3.8	2.8	3.6	4.8	2.8	4.0	5.3	4.3	6.3	8.3
0001 - 0600	2.8	2.8	2.8	2.8	2.8	2.8	3.3	3.5	3.8	4.8	4.8	4.8
0601 - 1200	2.8	3.0	3.3	2.8	3.1	3.8	3.3	4.0	4.8	4.8	5.5	5.8
1201 - 1800	3.8	3.8	3.8	4.8	4.8	4.8	5.3	5.3	5.3	8.8	9.1	9.3
1801 - 2400	2.8	3.3	3.8	3.3	3.8	4.3	4.8	5.1	5.3	5.3	6.8	8.3
DAILY VALUE	2.8	3.2	3.8	2.8	3.6	4.8	3.3	4.5	5.3	4.8	6.5	9.3
0001 - 0600	2.8	2.8	2.8	2.8	2.8	2.8	3.3	3.6	3.8	4.8	4.8	4.8
0601 - 1200	2.8	3.0	3.3	2.8	3.5	4.3	3.3	4.0	4.8	4.8	5.5	5.8
1201 - 1800	3.8	3.8	3.8	4.8	4.8	4.8	5.8	5.8	5.8	6.8	7.8	8.8
1801 - 2400	3.3	3.5	3.8	3.8	4.1	4.3	4.8	5.5	5.8	5.8	7.1	8.3
DAILY VALUE	2.8	3.3	3.8	2.8	3.8	4.8	3.3	4.7	5.8	4.8	6.3	8.8
0001 - 0600	2.8	2.8	2.8	3.3	3.5	3.8	3.8	4.3	4.8	-----	-----	-----
0601 - 1200	2.8	3.0	3.3	3.3	3.5	3.8	3.8	4.6	5.3	-----	-----	-----
1201 - 1800	3.3	3.6	3.8	4.8	4.8	4.8	5.8	5.8	5.8	-----	-----	-----
1801 - 2400	3.3	3.5	3.8	3.8	4.3	4.8	4.8	5.3	5.8	-----	-----	-----
DAILY VALUE	2.8	3.2	3.8	3.3	4.0	4.8	3.8	5.0	5.8	-----	-----	-----
0001 - 0600	2.8	2.8	2.8	3.3	3.3	3.3	4.3	4.5	4.8	MONTHLY VALUE		
0601 - 1200	2.8	3.0	3.3	3.3	3.6	4.3	4.3	5.0	5.8			
1201 - 1800	2.8	3.0	3.3	4.8	4.8	4.8	6.3	6.3	6.3			
1801 - 2400	2.8	3.0	3.3	3.8	4.3	4.8	4.8	5.3	5.8			
DAILY VALUE	2.8	2.9	3.3	3.3	4.0	4.8	4.3	5.3	6.3			

Appendix Table 4-C-40 Cont.

- MAY 1982 -

[illegible]

Appendix Table 4-C-41 Thermograph data summary, winter surface water temperature (C),
Slough 9 below Tributary B, RM 129.0, Geocode
S30N03W16ABC.

- FEBRUARY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	----	----	----	.2	.2	.2	1.2	1.2	1.2
0601 - 1200	----	----	----	----	----	----	.2	.2	.2	1.2	1.2	1.2
1201 - 1800	----	----	----	----	----	----	.2	.2	.2	1.2	1.5	1.7
1801 - 2400	----	----	----	----	----	----	.2	.2	.2	1.2	1.2	1.2
DAILY VALUE	----	----	----	----	----	----	.2	.2	.2	1.2	1.3	1.7
0001 - 0600	----	----	----	----	----	----	.2	.2	.2	1.2	1.2	1.2
0601 - 1200	----	----	----	----	----	----	.2	.2	.2	1.2	1.4	1.7
1201 - 1800	----	----	----	.2	.2	.2	.2	.2	.2	1.7	1.7	1.7
1801 - 2400	----	----	----	.2	.2	.2	.2	.2	.2	1.7	1.7	1.7
DAILY VALUE	----	----	----	.2	----	.2	.2	.2	.2	1.2	1.5	1.7
0001 - 0600	----	----	----	.2	.2	.2	.2	.2	.2	1.7	1.7	1.7
0601 - 1200	----	----	----	.2	.2	.2	.2	.2	.2	1.7	1.7	1.7
1201 - 1800	----	----	----	.2	.2	.2	.7	.7	.7	1.7	1.9	2.2
1801 - 2400	----	----	----	.2	.2	.2	.7	.7	.7	1.7	1.7	1.7
DAILY VALUE	----	----	----	.2	.2	.2	.2	.4	.7	1.7	1.7	2.2
0001 - 0600	----	----	----	.2	.2	.2	.7	.7	.7	1.2	1.5	1.7
0601 - 1200	----	----	----	.2	.2	.2	.7	.7	.7	1.2	1.5	1.7
1201 - 1800	----	----	----	.2	.2	.2	.7	.7	.7	1.7	1.9	2.2
1801 - 2400	----	----	----	.2	.2	.2	.7	.7	.7	1.7	1.7	1.7
DAILY VALUE	----	----	----	.2	.2	.2	.7	.7	.7	1.2	1.7	2.2
0001 - 0600	----	----	----	.2	.2	.2	.7	.7	.7	----	----	----
0601 - 1200	----	----	----	.2	.2	.2	.7	.7	.7	----	----	----
1201 - 1800	----	----	----	.2	.2	.2	.7	.7	.7	----	----	----
1801 - 2400	----	----	----	.2	.2	.2	.7	.7	.7	----	----	----
DAILY VALUE	----	----	----	.2	.2	.2	.7	.7	.7	----	----	----
0001 - 0600	----	----	----	.2	.2	.2	.7	.7	.7	----	----	----
0601 - 1200	----	----	----	.2	.2	.2	.7	.7	.7	----	----	----
1201 - 1800	----	----	----	.2	.2	.2	.7	.7	.7	----	----	----
1801 - 2400	----	----	----	.2	.2	.2	.7	.7	.7	----	----	----
DAILY VALUE	----	----	----	.2	.2	.2	.7	.7	.7	----	----	----
0001 - 0600	----	----	----	.2	.2	.2	.7	.7	.7	----	----	----
0601 - 1200	----	----	----	.2	.2	.2	.7	.7	.7	----	----	----
1201 - 1800	----	----	----	.2	.2	.2	1.2	1.2	1.2	----	----	----
1801 - 2400	----	----	----	.2	.2	.2	1.2	1.2	1.2	----	----	----
DAILY VALUE	----	----	----	.2	.2	.2	.7	.9	1.2	----	----	----
0001 - 0600	----	----	----	.2	.2	.2	1.2	1.2	1.2	MONTHLY VALUE		
0601 - 1200	----	----	----	.2	.2	.2	1.2	1.2	1.2			
1201 - 1800	----	----	----	.2	.2	.2	1.2	1.5	1.7			
1801 - 2400	----	----	----	.2	.2	.2	1.2	1.2	1.2			
DAILY VALUE	----	----	----	.2	.2	.2	1.2	1.3	1.7			

Appendix Table 4-C-41 Cont.

- MARCH 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	1.2	1.2	1.2	2.2	2.2	2.2	1.1	1.1	1.1	2.1	2.1	2.1
0601 - 1200	1.2	1.4	1.7	1.7	2.2	2.7	1.1	1.8	2.6	2.1	2.4	2.6
1201 - 1800	1.7	1.9	2.2	2.2	2.4	2.7	2.6	2.6	2.6	1.6	2.1	2.6
1801 - 2400	1.2	1.5	1.7	2.2	2.2	2.2	2.6	2.6	2.6	1.6	1.6	1.6
DAILY VALUE	1.2	1.5	2.2	1.7	2.2	2.7	1.1	2.0	2.6	1.6	2.1	2.6
0001 - 0600	1.2	1.2	1.2	2.2	2.2	2.2	2.6	2.6	2.6	1.6	1.6	1.6
0601 - 1200	1.2	1.4	1.7	2.2	2.2	2.2	2.6	2.9	3.6	1.6	1.8	2.1
1201 - 1800	1.7	1.9	2.2	2.2	2.5	2.7	2.6	2.9	3.1	1.6	1.8	2.1
1801 - 2400	1.2	1.4	1.7	.7	1.0	1.2	2.6	2.6	2.6	1.1	1.4	1.6
DAILY VALUE	1.2	1.4	2.2	.7	2.0	2.7	2.6	2.8	3.6	1.1	1.6	2.1
0001 - 0600	.7	1.0	1.2	.7	.7	.7	2.1	2.4	2.6	1.1	1.1	1.1
0601 - 1200	.7	1.2	1.7	.7	1.0	1.7	2.1	2.3	2.6	1.1	1.4	1.6
1201 - 1800	1.2	1.5	1.7	1.7	2.0	2.2	2.1	2.3	2.6	1.6	1.8	2.1
1801 - 2400	.7	.9	1.2	.7	.9	1.2	2.1	2.3	2.6	1.6	1.6	1.6
DAILY VALUE	.7	1.2	1.7	.7	1.2	2.2	2.1	2.3	2.6	1.1	1.5	2.1
0001 - 0600	.7	.7	.7	.7	.7	.7	2.1	2.3	2.6	1.1	1.4	1.6
0601 - 1200	.7	1.4	1.7	1.2	1.7	2.2	2.1	2.6	3.1	1.1	1.3	1.6
1201 - 1800	1.7	1.9	2.2	1.7	2.2	2.7	2.6	2.6	2.6	1.1	1.4	1.6
1801 - 2400	1.7	1.7	1.7	.7	1.0	1.2	2.1	2.3	2.6	.6	.9	1.1
DAILY VALUE	.7	1.4	2.2	.7	1.4	2.7	2.1	2.4	3.1	.6	1.3	1.6
0001 - 0600	1.7	1.7	1.7	.7	.7	.7	1.6	1.6	1.6	.6	.6	.6
0601 - 1200	1.7	2.0	2.2	.7	1.0	1.7	1.6	1.9	2.1	.6	1.1	1.6
1201 - 1800	2.2	2.5	2.7	1.2	1.7	2.2	1.6	2.1	2.6	1.1	1.4	1.6
1801 - 2400	2.2	2.2	2.2	.7	.7	.7	2.6	2.6	2.6	.6	.9	1.1
DAILY VALUE	1.7	2.1	2.7	.7	1.0	2.2	1.6	2.1	2.6	.6	1.0	1.6
0001 - 0600	2.2	2.2	2.2	.7	.7	.7	2.6	2.6	2.6	.6	.6	.6
0601 - 1200	2.2	2.4	2.7	1.2	1.4	1.7	2.6	3.1	3.6	.6	.9	1.1
1201 - 1800	2.7	2.7	2.7	1.7	2.0	2.2	2.6	3.1	3.6	.6	.9	1.1
1801 - 2400	2.2	2.2	2.2	1.7	1.7	1.7	2.6	2.6	2.6	.6	.6	.6
DAILY VALUE	2.2	2.4	2.7	.7	1.4	2.2	2.6	2.8	3.6	.6	.8	1.1
0001 - 0600	2.2	2.2	2.2	1.7	1.7	1.7	2.6	2.6	2.6	.6	.6	.6
0601 - 1200	2.2	2.5	2.7	1.7	2.2	2.7	2.6	3.1	3.6	.6	.8	1.1
1201 - 1800	2.7	2.9	3.2	2.2	2.5	2.7	3.1	3.3	3.6	.6	.9	1.1
1801 - 2400	2.7	2.7	2.7	1.7	2.0	2.2	2.6	2.6	2.6	.6	.6	.6
DAILY VALUE	2.2	2.6	3.2	1.7	2.1	2.7	2.6	2.9	3.6	.6	.7	1.1
0001 - 0600	2.2	2.5	2.7	1.7	1.7	1.7	2.1	2.3	2.6	MONTHLY VALUE		
0601 - 1200	2.2	2.7	3.2	1.7	1.9	2.2	2.6	3.1	3.6			
1201 - 1800	2.7	2.9	3.2	---	---	---	2.1	2.8	3.6			
1801 - 2400	2.2	2.5	2.7	1.6	1.6	1.6	2.1	2.1	2.1	.6	1.8	3.6
DAILY VALUE	2.2	2.7	3.2	1.6	---	2.2	2.1	2.6	3.6			

Appendix Table 4-C-41 Cont.

- APRIL 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	.6	.6	.6	1.1	1.1	1.1	1.6	1.6	1.6	2.1	2.1	2.1
0601 - 1200	.6	.8	1.1	1.6	1.8	2.1	1.6	2.1	2.6	3.1	3.6	4.1
1201 - 1800	.6	.8	1.1	1.6	2.1	2.6	2.1	2.4	2.6	3.1	3.6	4.1
1801 - 2400	.6	.6	.6	1.1	1.4	1.6	2.1	2.1	2.1	2.6	2.6	2.6
DAILY VALUE	.6	.7	1.1	1.1	1.6	2.6	1.6	2.1	2.6	2.1	3.0	4.1
0001 - 0600	.6	.6	.6	1.1	----	1.1	1.6	1.8	2.1	2.1	2.3	2.6
0601 - 1200	.6	.8	1.1	2.1	----	2.1	1.6	2.1	2.6	2.6	3.9	5.1
1201 - 1800	.6	.9	1.1	1.6	1.9	2.1	2.1	2.4	2.6	3.1	3.9	4.6
1801 - 2400	.6	.6	.6	1.6	1.6	1.6	1.6	1.8	2.1	2.6	2.6	2.6
DAILY VALUE	.6	.7	1.1	1.1	----	2.1	1.6	2.0	2.6	2.1	3.2	5.1
0001 - 0600	.6	.6	.6	1.1	1.1	1.1	1.1	1.1	1.1	2.6	2.6	2.6
0601 - 1200	.6	.6	.6	1.6	1.9	2.6	1.6	2.3	2.6	3.1	3.4	3.6
1201 - 1800	.6	.9	1.1	1.6	2.1	2.6	2.1	2.4	2.6	3.1	3.8	4.1
1801 - 2400	.6	.6	.6	1.1	1.3	1.6	1.6	1.6	1.6	2.6	2.6	2.6
DAILY VALUE	.6	.7	1.1	1.1	1.6	2.6	1.1	1.8	2.6	2.6	3.1	4.1
0001 - 0600	.6	.6	.6	1.1	----	1.1	1.6	1.6	1.6	2.6	2.8	3.1
0601 - 1200	.6	.8	1.1	1.6	2.1	2.6	2.1	2.8	3.6	3.1	3.9	4.6
1201 - 1800	.6	.9	1.1	1.6	2.1	2.6	2.6	3.1	3.6	3.1	3.9	4.6
1801 - 2400	.6	.6	.6	1.1	1.4	1.6	1.6	1.9	2.1	2.6	2.6	2.6
DAILY VALUE	.6	.7	1.1	1.1	1.8	2.6	1.6	2.3	3.6	2.6	3.3	4.6
0001 - 0600	.6	.6	.6	1.1	----	1.1	2.1	2.1	2.1	2.6	2.6	2.6
0601 - 1200	.6	.9	1.1	1.6	2.1	2.6	2.6	3.1	3.6	3.1	4.1	5.1
1201 - 1800	1.1	1.4	1.6	1.6	2.1	2.6	2.6	2.8	3.1	3.1	3.9	5.1
1801 - 2400	1.1	1.1	1.1	1.1	1.3	1.6	2.1	2.3	2.6	2.6	2.8	3.1
DAILY VALUE	.6	1.0	1.6	1.1	1.7	2.6	2.1	2.6	3.6	2.6	3.3	5.1
0001 - 0600	1.1	1.1	1.1	1.1	----	1.1	2.1	2.1	2.1	2.1	2.1	2.1
0601 - 1200	1.1	1.4	1.6	1.6	1.8	2.1	2.6	3.3	4.1	3.1	3.9	4.6
1201 - 1800	1.6	1.8	2.1	----	----	----	2.6	3.1	3.6	3.6	4.4	5.1
1801 - 2400	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.9	2.1	2.6	2.8	3.1
DAILY VALUE	1.1	1.5	2.1	1.1	----	2.1	1.6	2.6	4.1	2.1	3.3	5.1
0001 - 0600	1.1	1.4	1.6	1.6	----	1.6	2.1	2.1	2.1	----	----	----
0601 - 1200	1.6	1.6	1.6	2.1	2.3	2.6	2.6	3.3	3.6	----	----	----
1201 - 1800	1.6	1.8	2.1	2.1	2.4	2.6	2.6	3.1	3.6	----	----	----
1801 - 2400	1.1	1.1	1.1	1.6	1.8	2.1	2.1	2.1	2.1	----	----	----
DAILY VALUE	1.1	1.5	2.1	1.6	2.1	2.6	2.1	2.6	3.6	----	----	----
0001 - 0600	1.1	1.1	1.1	1.6	----	1.6	2.1	2.1	2.1	MONTHLY VALUE		
0601 - 1200	.6	1.1	1.6	2.6	2.8	3.1	2.6	3.1	3.6			
1201 - 1800	1.1	1.4	1.6	2.6	2.8	3.1	2.6	3.1	3.6			
1801 - 2400	1.1	1.1	1.1	----	----	----	2.1	2.3	2.6			
DAILY VALUE	.6	1.2	1.6	1.6	----	3.1	2.1	2.6	3.6			

Appendix Table 4-C-41 Cont.

- MAY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	2.1	2.1	2.1	----	----	----	----	----	----	----	----	----
0601 - 1200	3.1	4.4	5.6	----	----	----	----	----	----	----	----	----
1201 - 1800	4.1	4.9	5.6	----	----	----	----	----	----	----	----	----
1801 - 2400	3.1	3.1	3.1	----	----	----	----	----	----	----	----	----
DAILY VALUE	2.1	3.6	5.6	----	----	----	----	----	----	----	----	----
0001 - 0600	2.6	2.8	3.1	----	----	----	----	----	----	----	----	----
0601 - 1200	3.6	4.4	5.1	----	----	----	----	----	----	----	----	----
1201 - 1800	4.1	5.1	6.1	----	----	----	----	----	----	----	----	----
1801 - 2400	2.6	2.9	3.1	----	----	----	----	----	----	----	----	----
DAILY VALUE	2.6	3.8	6.1	----	----	----	----	----	----	----	----	----
0001 - 0600	2.6	2.6	2.6	----	----	----	----	----	----	----	----	----
0601 - 1200	3.1	4.1	4.6	----	----	----	----	----	----	----	----	----
1201 - 1800	3.6	4.4	5.1	----	----	----	----	----	----	----	----	----
1801 - 2400	3.1	3.1	3.1	----	----	----	----	----	----	----	----	----
DAILY VALUE	2.6	3.6	5.1	----	----	----	----	----	----	----	----	----
0001 - 0600	2.6	2.6	2.6	----	----	----	----	----	----	----	----	----
0601 - 1200	3.1	4.6	5.6	----	----	----	----	----	----	----	----	----
1201 - 1800	4.1	4.9	5.6	----	----	----	----	----	----	----	----	----
1801 - 2400	2.6	2.8	3.1	----	----	----	----	----	----	----	----	----
DAILY VALUE	2.6	3.7	5.6	----	----	----	----	----	----	----	----	----
0001 - 0600	2.1	2.3	2.6	----	----	----	----	----	----	----	----	----
0601 - 1200	3.6	4.8	6.1	----	----	----	----	----	----	----	----	----
1201 - 1800	4.1	4.8	5.6	----	----	----	----	----	----	----	----	----
1801 - 2400	2.6	2.8	3.1	----	----	----	----	----	----	----	----	----
DAILY VALUE	2.1	3.6	6.1	----	----	----	----	----	----	----	----	----
0001 - 0600	2.6	2.6	2.6	----	----	----	----	----	----	----	----	----
0601 - 1200	3.6	5.3	6.6	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	2.6	----	6.6	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	MONTHLY VALUE		
0601 - 1200	----	----	----	----	----	----	----	----	----			
1201 - 1800	----	----	----	----	----	----	----	----	----			
1801 - 2400	----	----	----	----	----	----	----	----	----			
DAILY VALUE	----	----	----	----	----	----	----	----	----	2.1	----	6.6

Appendix Table 4-C-42 Thermograph data summary, winter surface water temperature (C),
Slough 11, RM 135.3, Geocode S31N02W19DDD.

- FEBRUARY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	----	----	----	----	----	----	2.0	2.0	2.0
0601 - 1200	----	----	----	----	----	----	----	----	----	2.0	2.0	2.0
1201 - 1800	----	----	----	----	----	----	----	----	----	2.0	2.0	2.0
1801 - 2400	----	----	----	----	----	----	----	----	----	2.0	2.0	2.0
DAILY VALUE	----	----	----	----	----	----	----	----	----	2.0	2.0	2.0
0001 - 0600	----	----	----	----	----	----	----	----	----	2.0	2.0	2.0
0601 - 1200	----	----	----	----	----	----	----	----	----	2.0	2.0	2.0
1201 - 1800	----	----	----	----	----	----	----	----	----	2.0	2.0	2.0
1801 - 2400	----	----	----	----	----	----	----	----	----	2.0	2.0	2.0
DAILY VALUE	----	----	----	----	----	----	----	----	----	2.0	2.0	2.0
0001 - 0600	----	----	----	----	----	----	----	----	----	2.0	2.0	2.0
0601 - 1200	----	----	----	----	----	----	----	----	----	2.0	2.0	2.0
1201 - 1800	----	----	----	----	----	----	----	----	----	2.0	2.0	2.0
1801 - 2400	----	----	----	----	----	----	----	----	----	2.0	2.0	2.0
DAILY VALUE	----	----	----	----	----	----	----	----	----	2.0	2.0	2.0
0001 - 0600	----	----	----	----	----	----	----	----	----	2.0	2.0	2.0
0601 - 1200	----	----	----	----	----	----	----	----	----	2.0	2.0	2.0
1201 - 1800	----	----	----	----	----	----	----	----	----	2.0	2.3	2.5
1801 - 2400	----	----	----	----	----	----	----	----	----	2.0	2.0	2.0
DAILY VALUE	----	----	----	----	----	----	----	----	----	2.0	2.1	2.5
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	MONTHLY VALUE		
0601 - 1200	----	----	----	----	----	----	----	----	----	2.0		
1201 - 1800	----	----	----	----	----	----	2.0	----	2.0	2.0		
1801 - 2400	----	----	----	----	----	----	2.0	2.0	2.0	2.0		
DAILY VALUE	----	----	----	----	----	----	2.0	----	2.0	2.0		

Appendix Table 4-C-42 Cont.

- MARCH 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	2.0	2.0	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.0	2.0	2.0
0601 - 1200	2.0	2.0	2.0	2.5	2.5	2.5	2.5	2.7	3.0	2.0	2.2	2.5
1201 - 1800	2.0	2.3	2.5	2.5	2.5	2.5	2.5	2.8	3.0	2.5	2.8	3.0
1801 - 2400	2.0	2.0	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
DAILY VALUE	2.0	2.1	2.5	2.5	2.5	2.5	2.5	2.6	3.0	2.0	2.4	3.0
0001 - 0600	2.0	2.0	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
0601 - 1200	2.0	2.0	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.7	3.0
1201 - 1800	2.0	2.2	2.5	2.5	2.7	3.0	2.5	2.5	2.5	2.5	3.0	3.5
1801 - 2400	2.0	2.0	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
DAILY VALUE	2.0	2.0	2.5	2.5	2.5	3.0	2.5	2.5	2.5	2.5	2.7	3.5
0001 - 0600	2.0	2.0	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
0601 - 1200	2.0	2.0	2.0	2.5	2.5	2.5	2.5	2.7	3.0	2.5	2.7	3.0
1201 - 1800	2.0	2.0	2.0	2.5	2.5	2.5	2.5	2.7	3.0	3.0	3.3	3.5
1801 - 2400	2.0	2.0	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.8	3.0
DAILY VALUE	2.0	2.0	2.0	2.5	2.5	2.5	2.5	2.6	3.0	2.5	2.8	3.5
0001 - 0600	2.0	2.0	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
0601 - 1200	2.0	2.2	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.7	3.0
1201 - 1800	2.5	2.5	2.5	2.5	2.7	3.0	2.5	2.5	2.5	3.0	3.3	3.5
1801 - 2400	2.0	2.0	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.7	3.0
DAILY VALUE	2.0	2.2	2.5	2.5	2.5	3.0	2.5	2.5	2.5	2.5	2.8	3.5
0001 - 0600	2.0	2.0	2.0	2.0	2.0	2.0	2.5	2.5	2.5	2.5	2.5	2.5
0601 - 1200	2.0	2.3	2.5	2.0	2.2	2.5	2.5	2.7	3.0	2.5	2.8	3.0
1201 - 1800	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.7	3.0	3.0	3.3	3.5
1801 - 2400	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.7	3.0
DAILY VALUE	2.0	2.3	2.5	2.0	2.3	2.5	2.5	2.6	3.0	2.5	2.8	3.5
0001 - 0600	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
0601 - 1200	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.7	3.0	2.5	2.8	3.0
1201 - 1800	2.5	2.7	3.0	2.5	2.7	3.0	3.0	3.0	3.0	3.0	3.3	3.5
1801 - 2400	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
DAILY VALUE	2.5	2.5	3.0	2.5	2.5	3.0	2.5	2.7	3.0	2.5	2.8	3.5
0001 - 0600	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
0601 - 1200	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.7	3.0	2.5	2.7	3.0
1201 - 1800	2.5	2.5	2.5	2.5	2.7	3.0	2.5	2.8	3.0	2.5	2.8	3.0
1801 - 2400	2.5	2.5	2.5	2.5	2.5	2.5	2.0	2.2	2.5	2.5	2.5	2.5
DAILY VALUE	2.5	2.5	2.5	2.5	2.5	3.0	2.0	2.5	3.0	2.5	2.6	3.0
0001 - 0600	2.5	2.5	2.5	2.5	2.5	2.5	2.0	2.0	2.0	MONTHLY VALUE		
0601 - 1200	2.5	2.5	2.5	2.5	2.5	2.5	2.0	2.5	3.0			
1201 - 1800	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5			
1801 - 2400	2.5	2.5	2.5	2.5	2.5	2.5	2.0	2.0	2.0	2.0	2.5	3.5
DAILY VALUE	2.5	2.5	2.5	2.5	2.5	2.5	2.0	2.2	3.0			

Appendix Table 4-C-42 Cont.

- APRIL 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	2.5	2.5	2.5	2.5	2.5	2.5	3.0	3.0	3.0	----	----	----
0601 - 1200	2.5	2.7	3.0	3.0	3.5	4.0	3.0	3.5	4.0	----	----	----
1201 - 1800	2.5	2.8	3.0	3.0	3.5	4.0	3.5	3.8	4.0	----	----	----
1801 - 2400	2.5	2.5	2.5	2.5	2.7	3.0	3.0	3.0	3.0	----	----	----
DAILY VALUE	2.5	2.6	3.0	2.5	3.0	4.0	3.0	3.3	4.0	----	----	----
0001 - 0600	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	----	----	----
0601 - 1200	2.5	2.8	3.0	2.5	3.3	4.0	3.0	3.5	4.0	----	----	----
1201 - 1800	2.5	3.0	3.5	3.0	3.5	4.0	3.0	3.5	4.0	----	----	----
1801 - 2400	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.7	3.0	----	----	----
DAILY VALUE	2.5	2.7	3.5	2.5	3.0	4.0	2.5	3.0	4.0	----	----	----
0001 - 0600	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.7	3.0	----	----	----
0601 - 1200	2.5	3.0	3.5	2.5	3.3	4.0	3.0	3.8	4.5	----	----	----
1201 - 1800	3.0	3.5	4.0	3.0	3.5	4.0	4.0	4.5	5.0	----	----	----
1801 - 2400	2.5	2.5	2.5	2.5	2.5	2.5	3.0	3.2	3.5	----	----	----
DAILY VALUE	2.5	2.9	4.0	2.5	3.0	4.0	2.5	3.5	5.0	----	----	----
0001 - 0600	2.5	2.5	2.5	2.5	2.5	2.5	3.0	3.0	3.0	----	----	----
0601 - 1200	2.5	3.0	3.5	2.5	3.2	4.0	3.5	4.0	4.5	----	----	----
1201 - 1800	3.0	3.3	3.5	3.0	3.5	4.0	4.0	4.5	5.0	----	----	----
1801 - 2400	2.5	2.7	3.0	2.0	2.3	2.5	3.0	3.2	3.5	----	----	----
DAILY VALUE	2.5	2.9	3.5	2.0	2.9	4.0	3.0	3.7	5.0	----	----	----
0001 - 0600	2.5	2.5	2.5	2.0	2.2	2.5	3.0	3.0	3.0	----	----	----
0601 - 1200	2.5	3.2	3.5	3.0	3.5	4.0	3.5	4.3	5.0	----	----	----
1201 - 1800	3.0	3.2	3.5	3.0	3.3	3.5	4.0	4.8	5.5	----	----	----
1801 - 2400	2.5	2.5	2.5	3.0	3.0	3.0	3.0	3.2	3.5	----	----	----
DAILY VALUE	2.5	2.8	3.5	2.0	3.0	4.0	3.0	3.8	5.5	----	----	----
0001 - 0600	2.5	2.5	2.5	3.0	3.0	3.0	3.0	3.0	3.0	----	----	----
0601 - 1200	2.5	3.0	3.5	3.0	3.5	4.0	4.0	4.5	5.0	----	----	----
1201 - 1800	3.0	3.3	3.5	3.5	3.8	4.0	4.0	4.7	5.0	----	----	----
1801 - 2400	2.5	2.7	3.0	2.5	2.8	3.0	----	----	----	----	----	----
DAILY VALUE	2.5	2.9	3.5	2.5	3.3	4.0	3.0	4.1	5.0	----	----	----
0001 - 0600	2.5	2.5	2.5	2.5	2.5	2.5	----	----	----	----	----	----
0601 - 1200	2.5	2.7	3.0	3.0	3.5	4.0	----	----	----	----	----	----
1201 - 1800	3.0	3.0	3.0	4.0	4.3	4.5	----	----	----	----	----	----
1801 - 2400	2.5	2.5	2.5	3.0	3.2	3.5	----	----	----	----	----	----
DAILY VALUE	2.5	2.7	3.0	2.5	3.4	4.5	----	----	----	----	----	----
0001 - 0600	2.5	2.5	2.5	3.0	3.0	3.0	----	----	----	MONTHLY VALUE		
0601 - 1200	3.0	3.2	3.5	3.0	3.3	4.0	----	----	----			
1201 - 1800	3.0	3.5	4.0	3.5	4.0	4.5	----	----	----			
1801 - 2400	2.5	2.7	3.0	3.0	3.0	3.0	----	----	----	2.0	3.1	5.5
DAILY VALUE	2.5	3.0	4.0	3.0	3.3	4.5	----	----	----			

Appendix

Table 4-C-43 Thermograph data summary, winter surface water temperature (C),
Slough 19, RM 140.0, Geocode S31N11W10DBB.

- FEBRUARY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0601 - 1200	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1201 - 1800	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1801 - 2400	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
DAILY VALUE	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0001 - 0600	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0601 - 1200	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1201 - 1800	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1801 - 2400	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
DAILY VALUE	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0001 - 0600	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0601 - 1200	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	1.8	1.8	1.8
1201 - 1800	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	1.8	1.8	1.8
1801 - 2400	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	1.8	1.8	1.8
DAILY VALUE	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	1.8	1.9	2.3
0001 - 0600	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	1.3	1.3	1.3
0601 - 1200	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	1.3	1.3	1.3
1201 - 1800	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	1.3	1.3	1.3
1801 - 2400	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	1.3	1.3	1.3
DAILY VALUE	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	1.3	1.3	1.3
0001 - 0600	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	----	----	----
0601 - 1200	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	----	----	----
1201 - 1800	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	----	----	----
1801 - 2400	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	----	----	----
DAILY VALUE	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	----	----	----
0001 - 0600	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	----	----	----
0601 - 1200	----	----	----	2.3	2.3	2.3	2.3	2.3	2.3	----	----	----
1201 - 1800	1.8	1.8	1.8	2.3	2.3	2.3	2.3	2.3	2.3	----	----	----
1801 - 2400	1.8	1.8	1.8	2.3	2.3	2.3	2.3	2.3	2.3	----	----	----
DAILY VALUE	1.8	----	1.8	2.3	2.3	2.3	2.3	2.3	2.3	----	----	----
0001 - 0600	1.8	1.8	1.8	2.3	2.3	2.3	2.3	2.3	2.3	MONTHLY VALUE		
0601 - 1200	1.8	1.8	1.8	2.3	2.3	2.3	2.3	2.3	2.3			
1201 - 1800	1.8	1.8	1.8	2.3	2.3	2.3	2.3	2.3	2.3			
1801 - 2400	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3			
DAILY VALUE	1.9	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.3	2.2	2.3

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Appendix Table 4-C-43 Cont.

- MARCH 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	.8	.8	.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0601 - 1200	.8	.8	.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1201 - 1800	.8	.8	.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1801 - 2400	.8	.8	.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
DAILY VALUE	.8	.8	.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0001 - 0600	.8	.8	.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0601 - 1200	.8	.8	.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1201 - 1800	.8	.8	.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1801 - 2400	.8	.8	.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
DAILY VALUE	.8	.8	.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0001 - 0600	.8	.8	.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0601 - 1200	.8	.8	.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1201 - 1800	.8	.8	.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1801 - 2400	.8	.8	.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
DAILY VALUE	.8	.8	.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0001 - 0600	.8	.8	.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0601 - 1200	.8	.8	.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1201 - 1800	1.3	1.3	1.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1801 - 2400	1.8	1.8	1.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
DAILY VALUE	.8	1.2	1.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0001 - 0600	1.8	1.8	1.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0601 - 1200	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1201 - 1800	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1801 - 2400	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
DAILY VALUE	1.8	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0001 - 0600	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0601 - 1200	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1201 - 1800	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1801 - 2400	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
DAILY VALUE	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0001 - 0600	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0601 - 1200	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1201 - 1800	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1801 - 2400	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
DAILY VALUE	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0001 - 0600	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	MONTHLY VALUE		
0601 - 1200	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3			
1201 - 1800	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3			
1801 - 2400	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3			
DAILY VALUE	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	.8	2.1	2.3

Appendix Table 4 - 12 Cont.

- APRIL 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0601 - 1200	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1201 - 1800	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1801 - 2400	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
DAILY VALUE	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0001 - 0600	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0601 - 1200	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1201 - 1800	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.8	2.8	2.8
1801 - 2400	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
DAILY VALUE	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.8
0001 - 0600	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0601 - 1200	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1201 - 1800	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1801 - 2400	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
DAILY VALUE	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0001 - 0600	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0601 - 1200	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1201 - 1800	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
1801 - 2400	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
DAILY VALUE	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0001 - 0600	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0601 - 1200	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.5	2.8
1201 - 1800	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.8	2.8	2.8
1801 - 2400	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
DAILY VALUE	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.5	2.8
0001 - 0600	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
0601 - 1200	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.6	3.3
1201 - 1800	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.8	3.3	3.8
1801 - 2400	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.5	2.8
DAILY VALUE	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.7	3.8
0001 - 0600	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	----	----	----
0601 - 1200	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	----	----	----
1201 - 1800	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	----	----	----
1801 - 2400	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	----	----	----
DAILY VALUE	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	----	----	----
0001 - 0600	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	MONTHLY VALUE		
0601 - 1200	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3			
1201 - 1800	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3			
1801 - 2400	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3			
DAILY VALUE	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.8

4-C-194

Appendix Table 4-C-43 Cont.

- MAY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	2.3	2.3	2.3	----	----	----	----	----	----	----	----	----
0601 - 1200	2.3	2.6	3.3	----	----	----	----	----	----	----	----	----
1201 - 1800	3.3	3.6	3.8	----	----	----	----	----	----	----	----	----
1801 - 2400	2.3	2.6	2.8	----	----	----	----	----	----	----	----	----
DAILY VALUE	2.3	2.8	3.8	----	----	----	----	----	----	----	----	----
0001 - 0600	2.3	2.3	2.3	----	----	----	----	----	----	----	----	----
0601 - 1200	2.3	2.8	3.3	----	----	----	----	----	----	----	----	----
1201 - 1800	3.3	3.6	3.8	----	----	----	----	----	----	----	----	----
1801 - 2400	2.3	2.5	2.8	----	----	----	----	----	----	----	----	----
DAILY VALUE	2.3	2.8	3.8	----	----	----	----	----	----	----	----	----
0001 - 0600	2.3	2.3	2.3	----	----	----	----	----	----	----	----	----
0601 - 1200	2.3	2.8	3.3	----	----	----	----	----	----	----	----	----
1201 - 1800	3.3	3.3	3.3	----	----	----	----	----	----	----	----	----
1801 - 2400	2.3	2.6	2.8	----	----	----	----	----	----	----	----	----
DAILY VALUE	2.3	2.8	3.3	----	----	----	----	----	----	----	----	----
0001 - 0600	2.3	2.3	2.3	----	----	----	----	----	----	----	----	----
0601 - 1200	2.3	3.3	3.8	----	----	----	----	----	----	----	----	----
1201 - 1800	3.3	4.0	4.3	----	----	----	----	----	----	----	----	----
1801 - 2400	2.3	2.6	2.8	----	----	----	----	----	----	----	----	----
DAILY VALUE	2.3	3.0	4.3	----	----	----	----	----	----	----	----	----
0001 - 0600	2.3	2.3	2.3	----	----	----	----	----	----	----	----	----
0601 - 1200	2.3	3.1	3.8	----	----	----	----	----	----	----	----	----
1201 - 1800	3.3	3.6	3.8	----	----	----	----	----	----	----	----	----
1801 - 2400	2.3	2.6	2.8	----	----	----	----	----	----	----	----	----
DAILY VALUE	2.3	2.9	3.8	----	----	----	----	----	----	----	----	----
0001 - 0600	2.3	2.3	2.3	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	2.3	----	2.3	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	MONTHLY VALUE		
0601 - 1200	----	----	----	----	----	----	----	----	----			
1201 - 1800	----	----	----	----	----	----	----	----	----			
1801 - 2400	----	----	----	----	----	----	----	----	----	2.3 ---- 4.3		
DAILY VALUE	----	----	----	----	----	----	----	----	----			

Appendix * Table 4-c-44 Thermograph data summary, winter surface water temperature (C),
Slough 21 Mouth, RM 142.0, Geocode S31N11W02AAA.

- FEBRUARY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	2.0	2.2	2.5	3.0	3.0	3.0	1.0	1.0	1.0
0601 - 1200	----	----	----	2.0	2.0	2.0	3.0	3.0	3.0	1.0	1.0	1.0
1201 - 1800	----	----	----	2.0	2.0	2.0	3.0	3.0	3.0	1.0	1.0	1.0
1801 - 2400	----	----	----	2.0	2.0	2.0	2.5	2.8	3.0	1.0	1.0	1.0
DAILY VALUE	----	----	----	2.0	2.0	2.5	2.5	3.0	3.0	1.0	1.0	1.0
0001 - 0600	----	----	----	1.5	1.5	1.5	2.5	2.5	2.5	1.0	1.0	1.0
0601 - 1200	----	----	----	1.5	1.5	1.5	2.5	2.5	2.5	1.0	1.0	1.0
1201 - 1800	----	----	----	1.5	1.5	1.5	2.0	2.3	2.5	1.0	1.0	1.0
1801 - 2400	----	----	----	1.5	1.5	1.5	2.0	2.0	2.0	1.0	1.0	1.0
DAILY VALUE	----	----	----	1.5	1.5	1.5	2.0	2.3	2.5	1.0	1.0	1.0
0001 - 0600	----	----	----	1.5	1.5	1.5	2.0	2.0	2.0	1.0	1.0	1.0
0601 - 1200	----	----	----	1.5	1.5	1.5	2.0	2.0	2.0	1.0	1.2	1.5
1201 - 1800	----	----	----	1.5	1.5	1.5	1.5	1.7	2.0	1.5	1.5	1.5
1801 - 2400	----	----	----	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
DAILY VALUE	----	----	----	1.5	1.5	1.5	1.5	1.8	2.0	1.0	1.3	1.5
0001 - 0600	----	----	----	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
0601 - 1200	----	----	----	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1201 - 1800	----	----	----	1.5	1.5	1.5	1.0	1.2	1.5	1.5	1.5	1.5
1801 - 2400	----	----	----	1.0	1.3	1.5	1.0	1.0	1.0	1.5	1.5	1.5
DAILY VALUE	----	----	----	1.0	1.5	1.5	1.0	1.3	1.5	1.5	1.5	1.5
0001 - 0600	----	----	----	1.0	1.0	1.0	1.0	1.0	1.0	----	----	----
0601 - 1200	----	----	----	1.0	1.5	2.0	1.0	1.0	1.0	----	----	----
1201 - 1800	----	----	----	1.5	1.5	1.5	1.0	1.0	1.0	----	----	----
1801 - 2400	----	----	----	1.5	1.5	1.5	1.0	1.0	1.0	----	----	----
DAILY VALUE	----	----	----	1.0	1.4	2.0	1.0	1.0	1.0	----	----	----
0001 - 0600	----	----	----	1.5	1.5	1.5	1.0	1.0	1.0	----	----	----
0601 - 1200	----	----	----	1.5	1.5	1.5	1.0	1.0	1.0	----	----	----
1201 - 1800	2.5	2.5	2.5	----	----	----	1.0	1.0	1.0	----	----	----
1801 - 2400	2.5	2.5	2.5	1.5	1.5	1.5	1.0	1.0	1.0	----	----	----
DAILY VALUE	2.5	----	2.5	1.5	1.5	1.5	1.0	1.0	1.0	----	----	----
0001 - 0600	2.0	2.3	2.5	2.0	2.0	2.0	1.0	1.0	1.0	----	----	----
0601 - 1200	2.0	2.3	2.5	2.0	2.0	2.0	1.0	1.0	1.0	----	----	----
1201 - 1800	2.5	2.5	2.5	2.0	2.0	2.0	1.0	1.0	1.0	----	----	----
1801 - 2400	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	----	----	----
DAILY VALUE	2.0	2.3	2.5	2.0	2.0	2.0	1.0	1.0	1.0	----	----	----
0001 - 0600	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	MONTHLY VALUE		
0601 - 1200	2.0	2.2	2.5	2.0	2.2	2.5	1.0	1.0	1.0			
1201 - 1800	2.0	2.0	2.0	3.0	3.0	3.0	1.0	1.0	1.0			
1801 - 2400	2.5	2.5	2.5	3.0	3.0	3.0	1.0	1.0	1.0	1.0	1.6	3.0
DAILY VALUE	2.0	2.0	2.5	2.0	2.5	3.0	1.0	1.0	1.0			

Appendix Table 4-C-11 Cont.

- MARCH 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	1.5	1.5	1.5	2.0	2.0	2.0	1.5	1.5	1.5	1.5	1.5	1.5
0601 - 1200	1.5	1.5	1.5	2.0	2.0	2.0	1.5	1.7	2.0	2.0	2.0	2.0
1201 - 1800	1.5	2.0	2.5	2.0	2.0	2.0	2.0	2.0	2.0	1.5	2.0	2.5
1801 - 2400	2.0	2.2	2.5	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.3	2.0
DAILY VALUE	1.5	1.8	2.5	2.0	2.0	2.0	1.5	1.8	2.0	1.0	1.7	2.5
0001 - 0600	1.5	1.7	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.7	2.5
0601 - 1200	1.5	1.5	1.5	2.0	2.2	2.5	2.0	2.5	3.0	1.0	1.3	2.0
1201 - 1800	1.5	1.5	1.5	2.0	2.3	2.5	2.5	2.8	3.0	2.0	2.3	2.5
1801 - 2400	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	1.0	1.2	1.5
DAILY VALUE	1.5	1.5	2.0	1.5	2.0	2.5	2.0	2.5	3.0	1.0	1.6	2.5
0001 - 0600	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.2	2.5	1.0	1.0	1.0
0601 - 1200	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.3	2.5	1.5	2.0	2.5
1201 - 1800	1.5	1.5	1.5	1.5	1.8	2.0	2.5	2.7	3.0	2.0	2.3	2.5
1801 - 2400	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.0
DAILY VALUE	1.5	1.5	1.5	1.5	1.6	2.0	2.0	2.3	3.0	1.0	1.8	2.5
0001 - 0600	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0	1.5	1.7	2.0
0601 - 1200	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.7	3.5	1.5	2.0	3.0
1201 - 1800	2.0	2.0	2.0	1.5	1.5	1.5	3.0	3.2	3.5	2.0	2.8	3.5
1801 - 2400	2.0	2.0	2.0	1.5	1.5	1.5	2.0	2.2	2.5	1.0	1.3	1.5
DAILY VALUE	1.5	1.7	2.0	1.5	1.5	1.5	2.0	2.5	3.5	1.0	2.0	3.5
0001 - 0600	2.0	2.0	2.0	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0
0601 - 1200	2.0	2.0	2.0	1.0	1.2	1.5	2.0	2.0	2.0	1.0	1.7	2.5
1201 - 1800	2.0	2.0	2.0	1.5	1.8	2.0	2.0	2.0	2.0	2.0	2.8	3.5
1801 - 2400	2.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	1.5	1.5	1.5
DAILY VALUE	2.0	2.0	2.0	1.0	1.2	2.0	1.5	1.9	2.0	1.0	1.7	3.5
0001 - 0600	2.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0
0601 - 1200	2.0	2.0	2.0	1.0	1.3	1.5	2.0	2.7	3.0	1.5	1.8	2.5
1201 - 1800	2.0	2.3	2.5	1.5	1.8	2.0	2.0	2.5	3.0	1.5	2.3	3.0
1801 - 2400	2.0	2.0	2.0	1.5	1.5	1.5	2.0	2.0	2.0	1.0	1.2	1.5
DAILY VALUE	2.0	2.1	2.5	1.0	1.4	2.0	2.0	2.3	3.0	1.0	1.6	3.0
0001 - 0600	2.0	2.0	2.0	1.5	1.5	1.5	2.0	2.0	2.0	1.0	1.0	1.0
0601 - 1200	2.0	2.3	2.5	1.5	2.0	2.5	2.0	2.5	3.0	1.0	1.5	2.0
1201 - 1800	2.0	2.3	2.5	2.0	2.3	2.5	2.5	3.0	3.5	1.5	2.0	2.5
1801 - 2400	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.5	1.0	1.0	1.0
DAILY VALUE	2.0	2.2	2.5	1.5	2.0	2.5	2.0	2.4	3.5	1.0	1.4	2.5
0001 - 0600	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	MONTHLY VALUE		
0601 - 1200	2.0	2.3	2.5	2.0	2.2	2.5	2.5	2.7	3.0			
1201 - 1800	2.5	2.5	2.5	2.0	2.3	2.5	2.0	2.7	3.5			
1801 - 2400	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.5	1.5	1.0	1.9	3.5
DAILY VALUE	2.0	2.2	2.5	2.0	2.1	2.5	1.5	2.2	3.5			

- APRIL 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	1.0	1.0	1.0	1.5	1.7	2.0	2.0	2.2	2.5	3.0	3.2	3.5
0601 - 1200	1.0	1.2	1.5	3.0	3.7	4.5	3.0	4.0	5.0	5.0	6.3	7.5
1201 - 1800	1.0	1.5	2.0	2.5	3.5	4.5	3.5	4.7	6.0	4.0	5.3	6.0
1801 - 2400	1.0	1.0	1.0	1.5	1.7	2.0	2.5	2.7	3.0	2.5	2.8	3.0
DAILY VALUE	1.0	1.2	2.0	1.5	2.6	4.5	2.0	3.4	6.0	2.5	4.4	7.5
0001 - 0600	1.0	1.0	1.0	1.5	1.5	1.5	2.0	2.2	2.5	2.0	2.2	2.5
0601 - 1200	1.0	1.2	1.5	2.5	3.7	5.0	2.0	3.3	4.5	3.0	5.5	7.5
1201 - 1800	1.5	1.8	2.0	3.0	4.0	5.0	3.0	4.0	5.0	3.5	5.7	7.5
1801 - 2400	1.0	1.2	1.5	2.0	2.2	2.5	1.5	1.8	2.0	3.0	3.0	3.0
DAILY VALUE	1.0	1.3	2.0	1.5	2.8	5.0	1.5	2.8	5.0	2.0	4.1	7.5
0001 - 0600	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.2	1.5	3.0	3.2	3.5
0601 - 1200	1.0	1.7	2.5	2.5	3.5	4.5	2.0	3.2	4.5	4.5	5.5	6.5
1201 - 1800	2.0	2.2	2.5	2.5	3.5	4.5	2.5	3.7	4.5	4.5	5.8	6.5
1801 - 2400	1.5	1.5	1.5	1.5	1.7	2.0	2.0	2.0	2.0	3.0	3.2	3.5
DAILY VALUE	1.0	1.6	2.5	1.5	2.5	4.5	1.0	2.5	4.5	3.0	4.4	6.5
0001 - 0600	1.5	1.5	1.5	1.0	1.2	1.5	2.0	2.0	2.0	3.0	3.2	3.5
0601 - 1200	1.5	2.0	2.5	1.5	3.0	5.0	4.0	5.2	6.5	5.0	6.0	6.5
1201 - 1800	2.5	2.8	3.0	2.5	3.8	5.0	3.5	5.2	6.5	4.0	5.3	6.5
1801 - 2400	1.5	1.7	2.0	1.5	1.5	1.5	2.0	2.2	2.5	2.5	2.8	3.0
DAILY VALUE	1.5	2.0	3.0	1.0	2.4	5.0	2.0	3.6	6.5	2.5	4.3	6.5
0001 - 0600	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.2	2.5	2.5	2.7	3.0
0601 - 1200	1.5	2.3	3.5	1.5	3.2	5.0	4.0	5.7	7.5	4.0	5.7	6.5
1201 - 1800	3.0	3.5	4.0	2.0	3.7	5.0	4.0	5.5	7.0	3.5	4.7	6.0
1801 - 2400	2.0	2.2	2.5	1.0	1.3	1.5	2.5	2.8	3.0	2.0	2.2	2.5
DAILY VALUE	1.5	2.4	4.0	1.0	2.4	5.0	2.0	4.0	7.5	2.0	3.8	6.5
0001 - 0600	2.0	2.0	2.0	1.0	1.2	1.5	2.5	2.7	3.0	2.0	2.2	2.5
0601 - 1200	2.5	3.3	4.5	2.5	3.5	4.5	4.0	5.8	7.0	4.0	6.2	8.0
1201 - 1800	3.0	3.7	4.5	3.0	3.8	4.5	3.5	5.0	6.5	4.0	6.0	8.0
1801 - 2400	2.5	2.5	2.5	2.0	2.5	3.0	2.0	2.3	3.0	2.0	2.3	3.0
DAILY VALUE	2.0	2.9	4.5	1.0	2.7	4.5	2.0	4.0	7.0	2.0	4.2	8.0
0001 - 0600	2.5	2.5	2.5	2.0	2.0	2.0	2.0	2.3	3.0	----	----	----
0601 - 1200	2.5	3.8	5.0	3.0	4.3	5.5	4.5	5.3	6.0	----	----	----
1201 - 1800	3.0	3.5	4.0	3.0	4.3	5.5	3.5	4.8	6.0	----	----	----
1801 - 2400	2.0	2.2	2.5	2.0	2.2	2.5	2.5	2.8	3.0	----	----	----
DAILY VALUE	2.0	3.0	5.0	2.0	3.2	5.5	2.0	3.8	6.0	----	----	----
0001 - 0600	2.0	2.0	2.0	1.5	1.7	2.0	2.5	2.7	3.0	MONTHLY VALUE		
0601 - 1200	2.5	2.7	3.0	2.0	4.2	6.5	4.0	4.8	5.5			
1201 - 1800	2.5	2.8	3.0	4.0	5.3	6.5	3.5	4.5	5.5			
1801 - 2400	1.5	1.5	1.5	2.0	2.5	3.0	3.0	3.0	3.0	1.0	3.1	8.0
DAILY VALUE	1.5	2.2	3.0	1.5	3.4	6.5	2.5	3.7	5.5			

Appendix Table 4-C-44 Cont.

- MAY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	1.5	1.7	2.0	----	----	----	----	----	----	----	----	----
0601 - 1200	4.0	6.8	9.0	----	----	----	----	----	----	----	----	----
1201 - 1800	4.5	6.7	8.5	----	----	----	----	----	----	----	----	----
1801 - 2400	2.5	3.0	3.5	----	----	----	----	----	----	----	----	----
DAILY VALUE	1.5	4.5	9.0	----	----	----	----	----	----	----	----	----
0001 - 0600	2.5	2.7	3.0	----	----	----	----	----	----	----	----	----
0601 - 1200	4.0	5.5	7.0	----	----	----	----	----	----	----	----	----
1201 - 1800	3.5	5.5	7.0	----	----	----	----	----	----	----	----	----
1801 - 2400	2.0	2.3	2.5	----	----	----	----	----	----	----	----	----
DAILY VALUE	2.0	4.0	7.0	----	----	----	----	----	----	----	----	----
0001 - 0600	2.0	2.2	2.5	----	----	----	----	----	----	----	----	----
0601 - 1200	5.0	5.7	7.0	----	----	----	----	----	----	----	----	----
1201 - 1800	7.0	----	7.0	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	2.0	----	7.0	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	MONTHLY VALUE	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	1.5	----	9.0
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----

4-C-199

Appendix Table 4-c-45 Thermograph data summary, winter surface water temperature (C),
Slough 21 Middle, RM 142.0, Geocode S31N11W02AAA.

- MARCH 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	.5	.5	.5	1.0	1.0	1.0	1.0	1.0	1.0
0601 - 1200	----	----	----	.5	.8	1.0	1.0	1.0	1.0	1.5	1.5	1.5
1201 - 1800	----	----	----	1.0	1.0	1.0	1.0	1.0	1.0	.5	1.0	1.5
1801 - 2400	----	----	----	.5	.8	1.0	1.0	1.0	1.0	.5	.5	.5
DAILY VALUE	----	----	----	.5	.8	1.0	1.0	1.0	1.0	.5	1.0	1.5
0001 - 0600	----	----	----	.5	.7	1.0	1.0	1.0	1.0	.5	.5	.5
0601 - 1200	----	----	----	1.0	1.0	1.0	1.0	1.3	1.5	.5	1.0	1.5
1201 - 1800	----	----	----	.5	.7	1.0	1.0	1.3	1.5	1.0	1.2	1.5
1801 - 2400	----	----	----	.5	.5	.5	1.0	1.2	1.5	1.0	1.0	1.0
DAILY VALUE	----	----	----	.5	.7	1.0	1.0	1.2	1.5	.5	.9	1.5
0001 - 0600	----	----	----	.5	.5	.5	1.0	1.2	1.5	1.0	1.0	1.0
0601 - 1200	----	----	----	.5	.7	1.0	1.0	1.2	1.5	1.0	1.2	1.5
1201 - 1800	----	----	----	.5	.8	1.0	1.0	1.2	1.5	1.0	1.3	1.5
1801 - 2400	----	----	----	.5	.5	.5	1.0	1.0	1.0	1.0	1.0	1.0
DAILY VALUE	----	----	----	.5	.6	1.0	1.0	1.1	1.5	1.0	1.1	1.5
0001 - 0600	----	----	----	.5	.5	.5	1.0	1.0	1.0	1.0	1.0	1.0
0601 - 1200	----	----	----	.5	.7	1.0	1.5	1.8	2.0	1.0	1.3	2.0
1201 - 1800	----	----	----	.5	.8	1.0	1.5	1.8	2.0	1.0	1.5	2.0
1801 - 2400	----	----	----	.5	.5	.5	1.0	1.2	1.5	1.0	1.0	1.0
DAILY VALUE	----	----	----	.5	.6	1.0	1.0	1.5	2.0	1.0	1.2	2.0
0001 - 0600	----	----	----	.5	.5	.5	1.0	1.0	1.0	1.0	1.0	1.0
0601 - 1200	----	----	----	.5	.5	.5	1.0	1.0	1.0	1.0	1.2	1.5
1201 - 1800	----	----	----	.5	.7	1.0	1.0	1.0	1.0	1.0	1.2	1.5
1801 - 2400	----	----	----	.5	.5	.5	1.0	1.0	1.0	.5	.8	1.0
DAILY VALUE	----	----	----	.5	.5	1.0	1.0	1.0	1.0	.5	1.0	1.5
0001 - 0600	----	----	----	.5	.5	.5	1.0	1.0	1.0	.5	.5	.5
0601 - 1200	----	----	----	.5	.5	.5	1.5	1.8	2.0	.5	1.0	1.5
1201 - 1800	----	----	----	.5	.8	1.0	1.5	1.5	1.5	1.0	1.2	1.5
1801 - 2400	----	----	----	.5	.8	1.0	1.5	1.5	1.5	1.0	1.0	1.0
DAILY VALUE	----	----	----	.5	.7	1.0	1.0	1.5	2.0	.5	.9	1.5
0001 - 0600	----	----	----	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0
0601 - 1200	----	----	----	1.0	1.2	1.5	1.5	1.7	2.0	1.0	1.2	1.5
1201 - 1800	----	----	----	1.0	1.0	1.0	1.5	1.8	2.0	1.0	1.2	1.5
1801 - 2400	----	----	----	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0
DAILY VALUE	----	----	----	1.0	1.0	1.5	1.5	1.6	2.0	1.0	1.1	1.5
0001 - 0600	----	----	----	1.0	1.0	1.0	1.0	1.0	1.0	MONTHLY VALUE		
0601 - 1200	----	----	----	1.0	1.0	1.0	1.5	1.7	2.0			
1201 - 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	2.0			
1801 - 2400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.5	1.0	2.0
DAILY VALUE	1.0		1.0	1.0	1.0	1.0	1.0	1.3	2.0			

4-c-200

Appendix Table 4-C-45 Cont.

- APRIL 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	.5	.5	.5	1.0	1.0	1.0	1.5	1.5	1.5	2.0	2.2	2.5
0601 - 1200	1.0	1.0	1.0	1.5	2.3	3.0	2.0	2.8	3.5	3.0	3.8	4.5
1201 - 1800	.5	.7	1.0	1.5	2.0	2.5	2.0	2.7	3.5	3.0	3.8	4.5
1801 - 2400	.5	.5	.5	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.2	2.5
DAILY VALUE	.5	.7	1.0	1.0	1.6	3.0	1.5	2.2	3.5	2.0	3.0	4.5
0001 - 0600	.5	.5	.5	1.0	1.0	1.0	1.5	1.5	1.5	2.0	2.0	2.0
0601 - 1200	.5	.8	1.0	1.5	2.3	3.0	2.0	2.7	3.0	2.5	3.7	4.5
1201 - 1800	.5	.8	1.0	1.5	2.0	2.5	1.5	2.2	3.0	2.5	3.7	5.0
1801 - 2400	.5	.5	.5	1.0	1.0	1.0	1.0	1.3	1.5	2.0	2.0	2.0
DAILY VALUE	.5	.7	1.0	1.0	1.6	3.0	1.0	1.9	3.0	2.0	2.8	5.0
0001 - 0600	.5	.5	.5	1.0	1.0	1.0	.5	.8	1.0	2.0	2.2	2.5
0601 - 1200	.5	1.0	1.5	1.5	2.3	3.0	1.5	2.3	3.0	3.0	3.5	4.0
1201 - 1800	1.0	1.0	1.0	1.0	1.7	2.5	1.0	1.8	2.5	3.0	3.7	4.0
1801 - 2400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.5	2.0	2.2	2.5
DAILY VALUE	.5	.9	1.5	1.0	1.5	3.0	.5	1.5	3.0	2.0	2.9	4.0
0001 - 0600	.5	.8	1.0	1.0	1.0	1.0	1.5	1.7	2.0	2.0	2.2	2.5
0601 - 1200	1.0	1.2	1.5	1.0	2.2	3.0	2.5	3.7	4.5	3.5	4.0	4.5
1201 - 1800	1.0	1.2	1.5	1.0	2.0	3.0	2.5	3.2	4.0	2.5	3.2	4.0
1801 - 2400	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	1.5	1.8	2.0
DAILY VALUE	.5	1.0	1.5	1.0	1.5	3.0	1.5	2.6	4.5	1.5	2.8	4.5
0001 - 0600	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.8	2.5	1.5	1.5	1.5
0601 - 1200	1.0	1.5	2.0	1.0	2.2	3.0	3.0	4.0	5.0	2.5	3.5	4.0
1201 - 1800	1.0	1.5	2.0	1.0	1.8	3.0	2.5	3.3	4.0	2.0	2.8	3.5
1801 - 2400	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.2	2.5	1.0	1.2	1.5
DAILY VALUE	1.0	1.2	2.0	1.0	1.5	3.0	1.5	2.8	5.0	1.0	2.2	4.0
0001 - 0600	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	1.0	1.2	1.5
0601 - 1200	1.0	1.8	2.5	1.5	2.0	2.5	3.0	4.0	4.5	2.5	3.8	5.0
1201 - 1800	1.5	1.7	2.0	1.5	1.8	2.0	2.5	3.3	4.0	2.5	3.5	4.5
1801 - 2400	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0	1.5	1.7	2.0
DAILY VALUE	1.0	1.5	2.5	1.0	1.6	2.5	2.0	2.8	4.5	1.0	2.5	5.0
0001 - 0600	1.0	1.0	1.0	1.0	1.2	1.5	1.5	2.0	2.5	----	----	----
0601 - 1200	1.5	2.2	2.5	2.0	2.8	3.5	3.0	3.5	4.0	----	----	----
1201 - 1800	1.5	1.8	2.0	1.5	2.3	3.0	2.5	3.0	3.5	----	----	----
1801 - 2400	1.0	1.0	1.0	1.0	1.3	1.5	2.0	2.0	2.0	----	----	----
DAILY VALUE	1.0	1.5	2.5	1.0	1.9	3.5	1.5	2.6	4.0	----	----	----
0001 - 0600	1.0	1.2	1.5	1.0	1.2	1.5	2.0	2.2	2.5	MONTHLY VALUE		
0601 - 1200	1.5	1.5	1.5	1.5	3.0	4.0	3.0	3.3	3.5			
1201 - 1800	1.0	1.5	2.0	2.0	3.0	4.0	2.5	3.0	3.5			
1801 - 2400	1.0	1.0	1.0	1.5	1.7	2.0	2.0	2.0	2.0			
DAILY VALUE	1.0	1.3	2.0	1.0	2.2	4.0	2.0	2.6	3.5	.5	1.9	5.0

4-C-201

Append x Table 1 C-45 Cont.

- MAY 1982 -

[illegible]

4-C-202

Appendix Table 4-C-46 Thermograph data summary, winter intragravel water temperature (C),
Slough 9 below Tributary B, RM 129.0, Geocode
S30N03W16ABC.

- FEBRUARY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	----	----	----	.5	.5	.5	1.0	1.0	1.0
0601 - 1200	----	----	----	----	----	----	.5	.5	.5	1.0	1.0	1.0
1201 - 1800	----	----	----	1.0	----	1.0	.5	.8	1.0	1.5	1.5	1.5
1801 - 2400	----	----	----	.5	.8	1.0	.5	.5	.5	1.0	1.0	1.0
DAILY VALUE	----	----	----	.5	----	1.0	.5	.6	1.0	1.0	1.1	1.5
0001 - 0600	----	----	----	.5	.5	.5	.5	.5	.5	1.0	1.0	1.0
0601 - 1200	----	----	----	.5	.5	.5	.5	.5	.5	1.0	1.0	1.0
1201 - 1800	----	----	----	.5	.5	.5	.5	.8	1.0	1.0	1.3	1.5
1801 - 2400	----	----	----	.5	.5	.5	.5	.5	.5	1.0	1.0	1.0
DAILY VALUE	----	----	----	.5	.5	.5	.5	.6	1.0	1.0	1.1	1.5
0001 - 0600	----	----	----	.5	.5	.5	.5	.5	.5	1.0	1.0	1.0
0601 - 1200	----	----	----	.5	.5	.5	.5	.7	1.0	1.0	1.0	1.0
1201 - 1800	----	----	----	.5	.5	.5	1.0	1.0	1.0	1.5	1.5	1.5
1801 - 2400	----	----	----	.5	.5	.5	1.0	1.0	1.0	1.0	1.0	1.0
DAILY VALUE	----	----	----	.5	.5	.5	.5	.8	1.0	1.0	1.1	1.5
0001 - 0600	----	----	----	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
0601 - 1200	----	----	----	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
1201 - 1800	----	----	----	0.0	.3	.5	1.0	1.0	1.0	1.5	1.5	1.5
1801 - 2400	----	----	----	0.0	0.0	0.0	.5	.5	.5	1.0	1.0	1.0
DAILY VALUE	----	----	----	0.0	.1	.5	.5	.9	1.0	1.0	1.1	1.5
0001 - 0600	----	----	----	0.0	0.0	0.0	.5	.5	.5	----	----	----
0601 - 1200	----	----	----	0.0	0.0	0.0	.5	.5	.5	----	----	----
1201 - 1800	----	----	----	0.0	0.0	0.0	.5	.8	1.0	----	----	----
1801 - 2400	----	----	----	0.0	0.0	0.0	.5	.5	.5	----	----	----
DAILY VALUE	----	----	----	0.0	0.0	0.0	.5	.6	1.0	----	----	----
0001 - 0600	----	----	----	0.0	0.0	0.0	.5	.5	.5	----	----	----
0601 - 1200	----	----	----	0.0	0.0	0.0	.5	.5	.5	----	----	----
1201 - 1800	----	----	----	0.0	0.0	0.0	.5	.8	1.0	----	----	----
1801 - 2400	----	----	----	0.0	0.0	0.0	.5	.5	.5	----	----	----
DAILY VALUE	----	----	----	0.0	0.0	0.0	.5	.6	1.0	----	----	----
0001 - 0600	----	----	----	0.0	0.0	0.0	.5	.5	.5	----	----	----
0601 - 1200	----	----	----	0.0	0.0	0.0	.5	.7	1.0	MONTHLY VALUE		
1201 - 1800	----	----	----	.5	.5	.5	1.0	1.0	1.0	----	----	----
1801 - 2400	----	----	----	.5	.5	.5	1.0	1.0	1.0	0.0	.6	1.5
DAILY VALUE	----	----	----	0.0	.2	.5	.5	.8	1.0	----	----	----

4-c-203

Appendix Table 4-2-46 Cont.

- MARCH 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0601 - 0600	1.0	1.0	1.0	2.0	2.0	2.0	1.0	1.2	1.5	2.0	2.0	2.0
0601 - 1200	1.0	1.0	1.0	2.0	2.0	2.0	1.0	1.2	1.5	2.0	2.0	2.0
1201 - 1800	1.5	1.5	1.5	2.0	2.0	2.0	1.5	1.8	2.0	1.5	1.8	2.0
1801 - 2400	1.0	1.2	1.5	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0
DAILY VALUE	1.0	1.2	1.5	2.0	2.0	2.0	1.0	1.5	2.0	1.0	1.7	2.0
0601 - 0600	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	.5	.8	1.0
0601 - 1200	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.2	1.5
1201 - 1800	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.3	2.5	1.0	1.3	1.5
1801 - 2400	1.0	1.0	1.0	1.0	1.3	1.5	2.0	2.0	2.0	.5	.8	1.0
DAILY VALUE	1.0	1.1	1.5	1.0	1.8	2.0	2.0	2.1	2.5	.5	1.0	1.5
0601 - 0600	1.0	1.0	1.0	.5	.8	1.0	2.0	2.0	2.0	.5	.5	.5
0601 - 1200	1.0	1.0	1.0	.5	.7	1.0	1.5	1.7	2.0	.5	.8	1.0
1201 - 1800	1.0	1.3	1.5	1.5	1.5	1.5	2.0	2.0	2.0	1.0	1.3	1.5
1801 - 2400	1.0	1.0	1.0	1.0	1.2	1.5	2.0	2.0	2.0	1.0	1.0	1.0
DAILY VALUE	1.0	1.1	1.5	.5	1.0	1.5	1.5	1.9	2.0	.5	.9	1.5
0601 - 0600	.5	.5	.5	.5	.5	.5	2.0	2.0	2.0	.5	.8	1.0
0601 - 1200	.5	.8	1.0	1.0	1.2	1.5	2.0	2.0	2.0	.5	1.0	1.5
1201 - 1800	1.5	1.5	1.5	1.5	1.7	2.0	2.0	2.0	2.0	1.0	1.2	1.5
1801 - 2400	1.5	1.5	1.5	1.0	1.0	1.0	2.0	2.0	2.0	.5	.5	.5
DAILY VALUE	.5	1.1	1.5	.5	1.1	2.0	2.0	2.0	2.0	.5	.9	1.5
0601 - 0600	1.5	1.5	1.5	.5	.7	1.0	1.5	1.5	1.5	.5	.5	.5
0601 - 1200	1.0	1.3	1.5	.5	.7	1.0	1.5	1.5	1.5	.5	.7	1.0
1201 - 1800	2.0	2.0	2.0	1.0	1.3	1.5	1.5	1.7	2.0	.5	.8	1.0
1801 - 2400	1.5	1.7	2.0	.5	.7	1.0	2.0	2.0	2.0	.5	.5	.5
DAILY VALUE	1.0	1.6	2.0	.5	.8	1.5	1.5	1.7	2.0	.5	.6	1.0
0601 - 0600	1.5	1.5	1.5	.5	.5	.5	2.0	2.0	2.0	.5	.5	.5
0601 - 1200	1.5	1.7	2.0	.5	.7	1.0	2.0	2.2	2.5	.5	.7	1.0
1201 - 1800	2.0	2.0	2.0	1.5	1.5	1.5	2.0	2.3	2.5	.5	.7	1.0
1801 - 2400	2.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	0.0	0.0	0.0
DAILY VALUE	1.5	1.8	2.0	.5	.9	1.5	2.0	2.1	2.5	0.0	.5	1.0
0601 - 0600	2.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	0.0	0.0	0.0
0601 - 1200	2.0	2.0	2.0	1.0	1.2	1.5	2.0	2.2	2.5	0.0	.2	.5
1201 - 1800	2.0	2.0	2.0	2.0	2.0	2.0	2.5	2.5	2.5	.5	.5	.5
1801 - 2400	2.0	2.0	2.0	1.5	1.7	2.0	2.0	2.0	2.0	0.0	0.0	0.0
DAILY VALUE	2.0	2.0	2.0	1.0	1.5	2.0	2.0	2.2	2.5	0.0	.2	.5
0601 - 0600	2.0	2.0	2.0	1.5	1.5	1.5	2.0	2.0	2.0	MONTHLY VALUE		
0601 - 1200	2.0	2.0	2.0	1.5	1.7	2.0	2.0	2.2	2.5			
1201 - 1800	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.3	2.5			
1801 - 2400	2.0	2.0	2.0	1.5	1.5	1.5	2.0	2.0	2.0			
DAILY VALUE	2.0	2.0	2.0	1.5	1.7	2.0	2.0	2.1	2.5			

Appendix Table 4-C-46 Cont.

- APRIL 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
0601 - 1200	0.0	.2	.5	1.0	1.5	2.0	1.5	1.7	2.0	2.5	3.0	3.5
1201 - 1800	0.0	.3	.5	1.5	1.8	2.0	2.0	2.0	2.0	2.5	3.0	3.5
1801 - 2400	0.0	0.0	0.0	1.0	1.0	1.0	1.5	1.5	1.5	2.0	2.0	2.0
DAILY VALUE	0.0	.1	.5	1.0	1.3	2.0	1.0	1.5	2.0	2.0	2.5	3.5
0001 - 0600	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.3	1.5	1.5	1.8	2.0
0601 - 1200	0.0	.3	.5	1.0	1.5	2.0	1.0	1.7	2.0	2.5	3.5	4.5
1201 - 1800	.5	.5	.5	1.5	1.8	2.0	1.5	1.8	2.0	2.5	3.5	4.5
1801 - 2400	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.2	1.5	2.0	2.2	2.5
DAILY VALUE	0.0	.2	.5	1.0	1.3	2.0	1.0	1.5	2.0	1.5	2.7	4.5
0001 - 0600	0.0	0.0	0.0	1.0	1.0	1.0	.5	.5	.5	2.0	2.0	2.0
0601 - 1200	0.0	.2	.5	1.0	1.5	2.0	1.0	1.7	2.0	2.5	2.8	3.0
1201 - 1800	.5	.5	.5	1.5	1.8	2.0	1.5	1.8	2.0	2.5	3.2	3.5
1801 - 2400	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.3	2.5
DAILY VALUE	0.0	.2	.5	1.0	1.3	2.0	.5	1.2	2.0	2.0	2.6	3.5
0001 - 0600	0.0	0.0	0.0	.5	.8	1.0	1.0	1.0	1.0	2.0	2.2	2.5
0601 - 1200	0.0	.2	.5	1.0	1.3	2.0	1.5	2.0	2.5	3.0	3.7	4.0
1201 - 1800	.5	.5	.5	1.5	1.8	2.0	2.0	2.5	3.0	3.0	3.5	4.0
1801 - 2400	0.0	.3	.5	1.0	1.0	1.0	1.5	1.5	1.5	2.5	2.5	2.5
DAILY VALUE	0.0	.2	.5	.5	1.2	2.0	1.0	1.7	3.0	2.0	3.0	4.0
0001 - 0600	0.0	.2	.5	.5	.7	1.0	1.0	1.3	1.5	2.0	2.0	2.0
0601 - 1200	.5	.8	1.0	1.0	1.5	2.0	2.0	2.5	3.0	3.0	3.8	4.5
1201 - 1800	1.0	1.0	1.0	1.5	1.8	2.0	2.0	2.2	2.5	3.0	3.7	4.5
1801 - 2400	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.7	2.0	2.0	2.2	2.5
DAILY VALUE	0.0	.7	1.0	.5	1.2	2.0	1.0	1.9	3.0	2.0	2.9	4.5
0001 - 0600	1.0	1.0	1.0	.5	.8	1.0	1.5	1.5	1.5	1.5	1.7	2.0
0601 - 1200	1.0	1.2	1.5	1.0	1.5	2.0	2.0	2.5	3.0	2.5	3.5	4.5
1201 - 1800	1.0	1.5	2.0	1.5	1.8	2.0	2.0	2.5	3.0	3.0	4.2	5.0
1801 - 2400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.5	2.0	2.3	2.5
DAILY VALUE	1.0	1.2	2.0	.5	1.3	2.0	1.0	2.0	3.0	1.5	2.9	5.0
0001 - 0600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.5	----	----	----
0601 - 1200	1.0	1.3	1.5	1.5	1.8	2.0	2.0	2.7	3.0	----	----	----
1201 - 1800	1.0	1.5	2.0	2.0	2.3	2.5	2.0	2.5	3.0	----	----	----
1801 - 2400	1.0	1.0	1.0	1.0	1.2	1.5	1.5	1.5	1.5	----	----	----
DAILY VALUE	1.0	1.2	2.0	1.0	1.6	2.5	1.0	2.0	3.0	----	----	----
0001 - 0600	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	MONTHLY VALUE		
0601 - 1200	.5	.8	1.0	1.5	1.8	2.0	2.0	2.5	3.0			
1201 - 1800	1.0	1.0	1.0	2.0	2.3	2.5	2.0	2.5	3.0			
1801 - 2400	1.0	1.0	1.0	1.0	1.3	1.5	2.0	2.0	2.0			
DAILY VALUE	.5	1.0	1.0	1.0	1.6	2.5	1.5	2.1	3.0	0.0	1.5	5.0

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Appendix Table 4-C-46 Cont.

- MAY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	1.5	1.8	2.0	---	---	---	---	---	---	---	---	---
0601 - 1200	3.0	4.3	5.5	---	---	---	---	---	---	---	---	---
1201 - 1800	3.5	4.7	5.5	---	---	---	---	---	---	---	---	---
1801 - 2400	3.0	3.0	3.0	---	---	---	---	---	---	---	---	---
DAILY VALUE	1.5	3.5	5.5	---	---	---	---	---	---	---	---	---
0001 - 0600	2.5	2.5	2.5	---	---	---	---	---	---	---	---	---
0601 - 1200	3.5	4.3	5.0	---	---	---	---	---	---	---	---	---
1201 - 1800	4.0	5.0	6.0	---	---	---	---	---	---	---	---	---
1801 - 2400	2.5	2.8	3.0	---	---	---	---	---	---	---	---	---
DAILY VALUE	2.5	3.7	6.0	---	---	---	---	---	---	---	---	---
0001 - 0600	2.0	2.2	2.5	---	---	---	---	---	---	---	---	---
0601 - 1200	3.0	4.0	4.5	---	---	---	---	---	---	---	---	---
1201 - 1800	3.5	4.3	5.0	---	---	---	---	---	---	---	---	---
1801 - 2400	3.0	3.0	3.0	---	---	---	---	---	---	---	---	---
DAILY VALUE	2.0	3.4	5.0	---	---	---	---	---	---	---	---	---
0001 - 0600	2.0	2.2	2.5	---	---	---	---	---	---	---	---	---
0601 - 1200	3.0	4.3	5.0	---	---	---	---	---	---	---	---	---
1201 - 1800	4.0	4.8	5.5	---	---	---	---	---	---	---	---	---
1801 - 2400	2.5	2.8	3.0	---	---	---	---	---	---	---	---	---
DAILY VALUE	2.0	3.5	5.5	---	---	---	---	---	---	---	---	---
0001 - 0600	2.0	2.0	2.0	---	---	---	---	---	---	---	---	---
0601 - 1200	3.5	4.8	6.0	---	---	---	---	---	---	---	---	---
1201 - 1800	4.0	4.8	5.5	---	---	---	---	---	---	---	---	---
1801 - 2400	2.5	2.8	3.0	---	---	---	---	---	---	---	---	---
DAILY VALUE	2.0	3.6	6.0	---	---	---	---	---	---	---	---	---
0001 - 0600	2.0	2.3	2.5	---	---	---	---	---	---	---	---	---
0601 - 1200	3.5	5.2	6.5	---	---	---	---	---	---	---	---	---
1201 - 1800	6.5	---	6.5	---	---	---	---	---	---	---	---	---
1801 - 2400	---	---	---	---	---	---	---	---	---	---	---	---
DAILY VALUE	2.0	---	6.5	---	---	---	---	---	---	---	---	---
0001 - 0600	---	---	---	---	---	---	---	---	---	---	---	---
0601 - 1200	---	---	---	---	---	---	---	---	---	---	---	---
1201 - 1800	---	---	---	---	---	---	---	---	---	---	---	---
1801 - 2400	---	---	---	---	---	---	---	---	---	---	---	---
DAILY VALUE	---	---	---	---	---	---	---	---	---	---	---	---
0001 - 0600	---	---	---	---	---	---	---	---	---	MONTHLY VALUE		
0601 - 1200	---	---	---	---	---	---	---	---	---	1.5		
1201 - 1800	---	---	---	---	---	---	---	---	---	6.5		
1801 - 2400	---	---	---	---	---	---	---	---	---			
DAILY VALUE	---	---	---	---	---	---	---	---	---			

Appendix Table 4-C-47 Thermograph data summary, winter intragravel water temperature (C),
Slough 9B, RM 129.0, Geocode S30N03W16ABB.

- FEBRUARY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	1.0	----	1.0
1801 - 2400	----	----	----	----	----	----	----	----	----	1.0	1.0	1.0
DAILY VALUE	----	----	----	----	----	----	----	----	----	1.0	----	1.0
0001 - 0600	----	----	----	----	----	----	----	----	----	1.0	1.0	1.0
0601 - 1200	----	----	----	----	----	----	----	----	----	1.0	1.0	1.0
1201 - 1800	----	----	----	----	----	----	----	----	----	1.0	1.0	1.0
1801 - 2400	----	----	----	----	----	----	----	----	----	1.0	1.0	1.0
DAILY VALUE	----	----	----	----	----	----	----	----	----	1.0	1.0	1.0
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	MONTHLY VALUE		
0601 - 1200	----	----	----	----	----	----	----	----	----			
1201 - 1800	----	----	----	----	----	----	----	----	----			
1801 - 2400	----	----	----	----	----	----	----	----	----			
DAILY VALUE	----	----	----	----	----	----	----	----	----	1.0	----	1.0

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Appendix Table 4-C-47 Cont.

- MARCH 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.0	1.0	1.0
0601 - 1200	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.0	1.0	1.0
1201 - 1800	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.0	1.0	1.0
1801 - 2400	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.0	1.0	1.0
DAILY VALUE	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.0	1.0	1.0
0001 - 0600	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.0	1.0	1.0
0601 - 1200	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.2	1.5	1.0	1.0	1.0
1201 - 1800	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	1.0	1.0	1.0
1801 - 2400	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	1.0	1.0	1.0
DAILY VALUE	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.2	1.5	1.0	1.0	1.0
0001 - 0600	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	1.0	1.0	1.0
0601 - 1200	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	1.0	1.0	1.0
1201 - 1800	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	1.0	1.0	1.0
1801 - 2400	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	1.5	1.5	1.5
DAILY VALUE	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	1.0	1.1	1.5
0001 - 0600	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	1.5	1.5	1.5
0601 - 1200	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	1.5	1.5	1.5
1201 - 1800	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	1.5	1.5	1.5
1801 - 2400	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	1.5	1.8	2.0
DAILY VALUE	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	1.5	1.6	2.0
0001 - 0600	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	2.0	2.0	2.0
0601 - 1200	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	2.0	2.0	2.0
1201 - 1800	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	2.0	2.0	2.0
1801 - 2400	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	2.0	2.0	2.0
DAILY VALUE	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	2.0	2.0	2.0
0001 - 0600	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	2.0	2.0	2.0
0601 - 1200	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	2.0	2.0	2.0
1201 - 1800	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	2.0	2.0	2.0
1801 - 2400	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	2.0	2.0	2.0
DAILY VALUE	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	2.0	2.0	2.0
0001 - 0600	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	2.0	2.0	2.0
0601 - 1200	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	2.0	2.0	2.0
1201 - 1800	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	2.0	2.0	2.0
1801 - 2400	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	2.0	2.0	2.0
DAILY VALUE	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	2.0	2.0	2.0
0001 - 0600	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0	MONTHLY VALUE		
0601 - 1200	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0			
1201 - 1800	1.0	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.0			
1801 - 2400	1.5	1.5	1.5	1.5	1.5	1.5	1.0	1.0	1.0			
DAILY VALUE	1.0	1.1	1.5	1.5	1.5	1.5	1.0	1.0	1.0	1.0	1.3	2.0

Appendix Table 4-C-47 Cont.

- APRIL 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	4.0	4.0	4.0
0601 - 1200	2.0	2.0	2.0	2.0	2.0	2.0	2.5	2.7	3.0	3.5	3.7	4.0
1201 - 1800	2.0	2.0	2.0	2.0	2.0	2.0	2.5	2.7	3.0	3.5	3.8	4.0
1801 - 2400	2.0	2.0	2.0	2.5	2.5	2.5	3.0	3.0	3.0	4.5	4.7	5.0
DAILY VALUE	2.0	2.0	2.0	2.0	2.1	2.5	2.5	2.8	3.0	3.5	4.0	5.0
0001 - 0600	2.0	2.0	2.0	2.5	2.5	2.5	3.0	3.0	3.0	4.5	4.7	5.0
0601 - 1200	2.0	2.0	2.0	2.5	2.5	2.5	3.0	3.0	3.0	4.0	4.0	4.0
1201 - 1800	2.0	2.0	2.0	2.5	2.5	2.5	3.0	3.0	3.0	4.0	4.3	4.5
1801 - 2400	2.0	2.0	2.0	2.5	2.5	2.5	3.0	3.0	3.0	5.0	5.0	5.0
DAILY VALUE	2.0	2.0	2.0	2.5	2.5	2.5	3.0	3.0	3.0	4.0	4.5	5.0
0001 - 0600	2.0	2.0	2.0	2.5	2.5	2.5	3.0	3.0	3.0	4.5	4.8	5.0
0601 - 1200	2.0	2.0	2.0	2.5	2.5	2.5	2.5	2.7	3.0	4.0	4.2	4.5
1201 - 1800	2.0	2.0	2.0	2.5	2.5	2.5	2.5	2.7	3.0	4.0	4.2	4.5
1801 - 2400	2.0	2.0	2.0	2.5	2.8	3.0	3.0	3.0	3.0	5.0	5.0	5.0
DAILY VALUE	2.0	2.0	2.0	2.5	2.6	3.0	2.5	2.8	3.0	4.0	4.5	5.0
0001 - 0600	2.0	2.0	2.0	2.5	2.8	3.0	2.5	2.8	3.0	5.0	5.0	5.0
0601 - 1200	2.0	2.0	2.0	2.0	2.2	2.5	2.5	2.5	2.5	4.0	4.3	4.5
1201 - 1800	2.0	2.0	2.0	2.0	2.2	2.5	2.5	2.7	3.0	4.5	4.7	5.0
1801 - 2400	2.5	2.5	2.5	2.5	2.8	3.0	3.0	3.0	3.0	5.0	5.3	5.5
DAILY VALUE	2.0	2.1	2.5	2.0	2.5	3.0	2.5	2.7	3.0	4.0	4.8	5.5
0001 - 0600	2.5	2.5	2.5	2.5	2.7	3.0	3.0	3.0	3.0	5.0	5.3	5.5
0601 - 1200	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	4.5	4.5	4.5
1201 - 1800	2.0	2.0	2.0	2.0	2.2	2.5	3.0	3.0	3.0	4.5	4.8	5.0
1801 - 2400	2.0	2.3	2.5	3.0	3.0	3.0	3.0	3.3	3.5	5.5	5.7	6.0
DAILY VALUE	2.0	2.2	2.5	2.0	2.5	3.0	3.0	3.1	3.5	4.5	5.1	6.0
0001 - 0600	2.0	2.2	2.5	2.5	2.8	3.0	3.5	3.5	3.5	5.0	5.5	6.0
0601 - 1200	2.0	2.0	2.0	2.5	2.5	2.5	3.0	3.2	3.5	5.0	5.0	5.0
1201 - 1800	2.0	2.0	2.0	2.5	2.7	3.0	3.0	3.2	3.5	5.0	5.0	5.0
1801 - 2400	2.5	2.5	2.5	3.0	3.0	3.0	3.5	3.8	4.0	5.0	5.3	5.5
DAILY VALUE	2.0	2.2	2.5	2.5	2.7	3.0	3.0	3.4	4.0	5.0	5.2	6.0
0001 - 0600	2.0	2.3	2.5	3.0	3.0	3.0	4.0	4.0	4.0	-----	-----	-----
0601 - 1200	2.0	2.0	2.0	2.5	2.7	3.0	3.5	3.5	3.5	-----	-----	-----
1201 - 1800	2.0	2.0	2.0	2.5	2.7	3.0	3.5	3.7	4.0	-----	-----	-----
1801 - 2400	2.0	2.3	2.5	3.0	3.0	3.0	4.0	4.0	4.0	-----	-----	-----
DAILY VALUE	2.0	2.2	2.5	2.5	2.8	3.0	3.5	3.8	4.0	-----	-----	-----
0001 - 0600	2.0	2.2	2.5	3.0	3.0	3.0	4.0	4.0	4.0	MONTHLY VALUE		
0601 - 1200	2.0	2.0	2.0	3.0	3.0	3.0	3.5	3.7	4.0			
1201 - 1800	2.0	2.0	2.0	3.0	3.0	3.0	3.5	3.8	4.0			
1801 - 2400	2.0	2.0	2.0	3.0	3.0	3.0	4.0	4.0	4.0			
DAILY VALUE	2.0	2.0	2.5	3.0	3.0	3.0	3.5	3.9	4.0	2.0	3.0	6.0

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Appendix Table 4-C-47 Cont.

- MAY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	5.0	5.3	5.5	----	----	----	----	----	----	----	----	----
0601 - 1200	5.0	5.0	5.0	----	----	----	----	----	----	----	----	----
1201 - 1800	5.0	5.0	5.0	----	----	----	----	----	----	----	----	----
1801 - 2400	5.5	5.8	6.0	----	----	----	----	----	----	----	----	----
DAILY VALUE	5.0	5.3	6.0	----	----	----	----	----	----	----	----	----
0001 - 0600	5.5	5.8	6.0	----	----	----	----	----	----	----	----	----
0601 - 1200	5.0	5.0	5.0	----	----	----	----	----	----	----	----	----
1201 - 1800	5.0	5.2	5.5	----	----	----	----	----	----	----	----	----
1801 - 2400	5.5	5.8	6.0	----	----	----	----	----	----	----	----	----
DAILY VALUE	5.0	5.5	6.0	----	----	----	----	----	----	----	----	----
0001 - 0600	5.5	5.8	6.0	----	----	----	----	----	----	----	----	----
0601 - 1200	5.0	5.0	5.0	----	----	----	----	----	----	----	----	----
1201 - 1800	5.0	5.0	5.0	----	----	----	----	----	----	----	----	----
1801 - 2400	5.0	5.3	5.5	----	----	----	----	----	----	----	----	----
DAILY VALUE	5.0	5.3	6.0	----	----	----	----	----	----	----	----	----
0001 - 0600	5.0	5.2	5.5	----	----	----	----	----	----	----	----	----
0601 - 1200	4.5	4.7	5.0	----	----	----	----	----	----	----	----	----
1201 - 1800	4.5	4.7	5.0	----	----	----	----	----	----	----	----	----
1801 - 2400	5.0	5.3	5.5	----	----	----	----	----	----	----	----	----
DAILY VALUE	4.5	5.0	5.5	----	----	----	----	----	----	----	----	----
0001 - 0600	5.0	5.3	5.5	----	----	----	----	----	----	----	----	----
0601 - 1200	4.5	4.5	4.5	----	----	----	----	----	----	----	----	----
1201 - 1800	4.5	4.8	5.0	----	----	----	----	----	----	----	----	----
1801 - 2400	5.0	5.3	5.5	----	----	----	----	----	----	----	----	----
DAILY VALUE	4.5	5.0	5.5	----	----	----	----	----	----	----	----	----
0001 - 0600	5.0	5.2	5.5	----	----	----	----	----	----	----	----	----
0601 - 1200	4.5	4.7	5.0	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	4.5	----	5.5	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
0001 - 0600	----	----	----	----	----	----	----	----	----	----	----	----
0601 - 1200	----	----	----	----	----	----	----	----	----	----	----	----
1201 - 1800	----	----	----	----	----	----	----	----	----	----	----	----
1801 - 2400	----	----	----	----	----	----	----	----	----	----	----	----
DAILY VALUE	----	----	----	----	----	----	----	----	----	----	----	----
											MONTHLY VALUE	
											4.5	6.0

Apr. Table 4-C-48 Thermograph data summary, winter intragravel water temperature (C),
Slough 19, RM 140.0, Geocode S31N11W10DBB.

- FEBRUARY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
0601 - 1200	----	----	----	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1201 - 1800	----	----	----	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1801 - 2400	----	----	----	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
DAILY VALUE	----	----	----	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
0001 - 0600	----	----	----	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
0601 - 1200	----	----	----	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1201 - 1800	----	----	----	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1801 - 2400	----	----	----	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
DAILY VALUE	----	----	----	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
0001 - 0600	----	----	----	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
0601 - 1200	----	----	----	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1201 - 1800	----	----	----	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1801 - 2400	----	----	----	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
DAILY VALUE	----	----	----	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
0001 - 0600	----	----	----	4.0	4.0	4.0	4.0	4.0	4.0	----	----	----
0601 - 1200	----	----	----	4.0	4.0	4.0	4.0	4.0	4.0	----	----	----
1201 - 1800	4.0	----	4.0	4.0	4.0	4.0	4.0	4.0	4.0	----	----	----
1801 - 2400	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	----	----	----
DAILY VALUE	4.0	----	4.0	4.0	4.0	4.0	4.0	4.0	4.0	----	----	----
0001 - 0600	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	----	----	----
0601 - 1200	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	----	----	----
1201 - 1800	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	----	----	----
1801 - 2400	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	----	----	----
DAILY VALUE	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	----	----	----
0001 - 0600	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	----	----	----
0601 - 1200	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	----	----	----
1201 - 1800	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	----	----	----
1801 - 2400	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	----	----	----
DAILY VALUE	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	----	----	----
0001 - 0600	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	MONTHLY VALUE		
0601 - 1200	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0			
1201 - 1800	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0			
1801 - 2400	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0			
DAILY VALUE	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

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Appendix Table 4-C-4B Cont.

- MARCH 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
0601 - 1200	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1201 - 1800	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.3	4.5
1801 - 2400	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	4.5
DAILY VALUE	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.2	4.5
0001 - 0600	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
0601 - 1200	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1201 - 1800	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.3	4.5
1801 - 2400	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	4.5
DAILY VALUE	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.2	4.5
0001 - 0600	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
0601 - 1200	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1201 - 1800	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.3	4.5
1801 - 2400	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	4.5
DAILY VALUE	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.2	4.5
0001 - 0600	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
0601 - 1200	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1201 - 1800	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.3	4.5
1801 - 2400	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	4.5
DAILY VALUE	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.2	4.5
0001 - 0600	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
0601 - 1200	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1201 - 1800	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1801 - 2400	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
DAILY VALUE	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
0001 - 0600	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
0601 - 1200	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1201 - 1800	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.3	4.5	4.0	4.0	4.0
1801 - 2400	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	4.5	4.0	4.0	4.0
DAILY VALUE	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.2	4.5	4.0	4.0	4.0
0001 - 0600	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	MONTHLY VALUE		
0601 - 1200	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0			
1201 - 1800	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.3	4.5			
1801 - 2400	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	4.5	4.0 4.0 4.5		
DAILY VALUE	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.2	4.5			

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Appendix Table 4-C-43 Cont.

- APRIL 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	4.0	4.0	4.0	4.0	4.0	4.0	---	---	---	---	---	---
0601 - 1200	4.0	4.0	4.0	4.0	4.0	4.0	---	---	---	---	---	---
1201 - 1800	4.0	4.0	4.0	4.5	4.5	4.5	---	---	---	---	---	---
1801 - 2400	4.0	4.0	4.0	4.0	4.3	4.5	---	---	---	---	---	---
DAILY VALUE	4.0	4.0	4.0	4.0	4.2	4.5	---	---	---	---	---	---
0001 - 0600	4.0	4.0	4.0	4.0	4.0	4.0	---	---	---	---	---	---
0601 - 1200	4.0	4.0	4.0	4.0	4.0	4.0	---	---	---	---	---	---
1201 - 1800	4.0	4.0	4.0	4.5	4.8	5.0	---	---	---	---	---	---
1801 - 2400	4.0	4.0	4.0	4.0	4.3	4.5	---	---	---	---	---	---
DAILY VALUE	4.0	4.0	4.0	4.0	4.3	5.0	---	---	---	---	---	---
0001 - 0600	4.0	4.0	4.0	4.0	4.0	4.0	---	---	---	---	---	---
0601 - 1200	4.0	4.0	4.0	4.0	4.0	4.0	---	---	---	---	---	---
1201 - 1800	4.0	4.0	4.0	4.5	4.8	5.0	---	---	---	---	---	---
1801 - 2400	4.0	4.0	4.0	4.5	4.7	5.0	---	---	---	---	---	---
DAILY VALUE	4.0	4.0	4.0	4.0	4.4	5.0	---	---	---	---	---	---
0001 - 0600	4.0	4.0	4.0	4.5	4.5	4.5	---	---	---	---	---	---
0601 - 1200	4.0	4.0	4.0	4.5	4.5	4.5	---	---	---	---	---	---
1201 - 1800	4.0	4.0	4.0	4.5	4.8	5.0	---	---	---	---	---	---
1801 - 2400	4.0	4.0	4.0	4.5	4.7	5.0	---	---	---	---	---	---
DAILY VALUE	4.0	4.0	4.0	4.5	4.6	5.0	---	---	---	---	---	---
0001 - 0600	4.0	4.0	4.0	4.0	4.2	4.5	---	---	---	---	---	---
0601 - 1200	4.0	4.0	4.0	---	---	---	---	---	---	---	---	---
1201 - 1800	4.0	4.0	4.0	---	---	---	---	---	---	---	---	---
1801 - 2400	4.0	4.0	4.0	---	---	---	---	---	---	---	---	---
DAILY VALUE	4.0	4.0	4.0	4.0	---	4.5	---	---	---	---	---	---
0001 - 0600	4.0	4.0	4.0	---	---	---	---	---	---	---	---	---
0601 - 1200	4.0	4.0	4.0	---	---	---	---	---	---	---	---	---
1201 - 1800	4.0	4.0	4.0	---	---	---	---	---	---	---	---	---
1801 - 2400	4.0	4.0	4.0	---	---	---	---	---	---	---	---	---
DAILY VALUE	4.0	4.0	4.0	---	---	---	---	---	---	---	---	---
0001 - 0600	4.0	4.0	4.0	---	---	---	---	---	---	---	---	---
0601 - 1200	4.0	4.0	4.0	---	---	---	---	---	---	---	---	---
1201 - 1800	4.0	4.3	4.5	---	---	---	---	---	---	---	---	---
1801 - 2400	4.0	4.3	4.5	---	---	---	---	---	---	---	---	---
DAILY VALUE	4.0	4.2	4.5	---	---	---	---	---	---	---	---	---
0001 - 0600	4.0	4.0	4.0	---	---	---	---	---	---	MONTHLY VALUE		
0601 - 1200	4.0	4.0	4.0	---	---	---	---	---	---			
1201 - 1800	4.0	4.3	4.5	---	---	---	---	---	---			
1801 - 2400	4.0	4.2	4.5	---	---	---	---	---	---			
DAILY VALUE	4.0	4.1	4.5	---	---	---	---	---	---	4.0 --- 5.0		

Appendix Table 4-C-49 Thermograph data summary, winter intragravel water temperature (C),
Slough 21 Mouth, RM 142.0, Geocode S31N11W02AAA.

- FEBRUARY 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
0601 - 1200	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
1201 - 1800	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
1801 - 2400	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
DAILY VALUE	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
0001 - 0600	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
0601 - 1200	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
1201 - 1800	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
1801 - 2400	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
DAILY VALUE	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
0001 - 0600	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
0601 - 1200	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
1201 - 1800	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
1801 - 2400	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
DAILY VALUE	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
0001 - 0600	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
0601 - 1200	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
1201 - 1800	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
1801 - 2400	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
DAILY VALUE	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
0001 - 0600	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	----	----	----
0601 - 1200	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	----	----	----
1201 - 1800	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	----	----	----
1801 - 2400	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	----	----	----
DAILY VALUE	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	----	----	----
0001 - 0600	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	----	----	----
0601 - 1200	----	----	----	3.0	3.0	3.0	3.0	3.0	3.0	----	----	----
1201 - 1800	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	----	----	----
1801 - 2400	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	----	----	----
DAILY VALUE	3.0	----	3.0	3.0	3.0	3.0	3.0	3.0	3.0	----	----	----
0001 - 0600	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	----	----	----
0601 - 1200	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	----	----	----
1201 - 1800	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	----	----	----
1801 - 2400	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	----	----	----
DAILY VALUE	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	----	----	----
0001 - 0600	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	-----	-----	-----
0601 - 1200	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	MONTHLY VALUE		
1201 - 1800	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	-----	-----	-----
1801 - 2400	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
DAILY VALUE	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0			

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Appendix Table 4-C-49 Cont.

- MARCH 1982 -

TIME PERIOD	DAYS 1 - 8			DAYS 9 - 16			DAYS 17 - 24			DAYS 25 - 31		
	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX
0001 - 0600	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
0601 - 1200	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
1201 - 1800	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
1801 - 2400	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
DAILY VALUE	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
0001 - 0600	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
0601 - 1200	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
1201 - 1800	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
1801 - 2400	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
DAILY VALUE	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
0001 - 0600	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
0601 - 1200	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
1201 - 1800	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
1801 - 2400	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
DAILY VALUE	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
0001 - 0600	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
0601 - 1200	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
1201 - 1800	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
1801 - 2400	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
DAILY VALUE	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
0001 - 0600	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
0601 - 1200	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
1201 - 1800	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
1801 - 2400	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
DAILY VALUE	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
0001 - 0600	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
0601 - 1200	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
1201 - 1800	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
1801 - 2400	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
DAILY VALUE	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
0001 - 0600	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	MONTHLY VALUE		
0601 - 1200	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0			
1201 - 1800	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0			
1801 - 2400	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0 3.0 3.0		
DAILY VALUE	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0			

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Appendix Table 4-C-50. Instantaneous intragravel water temperatures obtained at salmon spawning redds in Slough 8A, Susitna River, Alaska, 1982.

Date	Time (hours)		Redd No.	Salmon Species	Intragravel Temp (°C)	Surface Temp (°C)
	Begin	End				
August 26, 1982	1830	1920	03	Chum	11.4	12.6
			02	Chum	11.2	13.0
			04	Chum	-. -	13.2
			15	Chum	-. -	13.2
			14	Chum	-. -	13.2
			13	Chum	-. -	12.8
			11	Chum	-. -	13.2
			09	Chum	-. -	13.2
			08	Chum	-. -	13.2
			07	Chum	-. -	13.2
			06	Chum	-. -	13.1
			05	Chum	-. -	13.0
			10	Chum	-. -	13.2
	1945	2039	01	Chum	-. -	13.0
			12	Chum	-. -	13.0
			01	Pink	-. -	13.0
			22	Chum	-. -	12.4
			21	Chum	-. -	12.4
			16	Chum	-. -	12.4
			18	Chum	-. -	12.4
			17	Chum	-. -	12.0
			19	Chum	-. -	12.4
			24	Chum	-. -	12.0
			25	Chum	-. -	12.0
			26	Chum	-. -	11.5
			27	Chum	-. -	11.0
September 6, 1982	1540	1910	40	Chum	-. -	7.6
			41	Chum	5.1	7.6
			42	Chum	6.7	7.6
			43	Chum	4.9	7.6
			44	Chum	6.1	7.6
			45	Chum	-. -	7.6
			46	Chum	4.9	7.6
			47	Chum	5.7	7.6
			48	Chum	6.9	7.6
			49	Chum	5.2	7.6
			01	Sockeye	7.4	7.6
			50	Chum	-. -	7.6

Appendix Table 4-C-51. Instantaneous intragravel temperatures obtained at salmon spawning redds in Slough 9, Susitna River, Alaska, 1982.

Date	Time (hours)		Redd No.	Salmon Species	Intragravel Temp (°C)	Surface Temp (°C)
	Begin	End				
August 25, 1982	2040	2100	02	Pink	11.0	10.0
			03	Pink	11.1	10.0
August 26, 1982	0955	1400	01	Chum	--	8.8
			01	Chum	3.8	8.2
			02	Chum	4.0	7.6
			03	Chum	3.4	7.6
			04	Chum	4.2	7.8
			06	Chum	3.9	8.8
			--	Chum	5.3	9.2
			--	Chum	4.8	9.8
			27	Chum	4.8	9.8
			26	Chum	4.4	8.8
			07	Chum	4.5	9.4
			--	Chum	6.8	9.2
			--	Chum	6.4	10.4
			08	Chum	5.2	9.8
			09	Chum	4.3	9.4
			10	Chum	4.7	9.2
			11	Chum	4.7	9.4
			12	Chum	6.0	9.2
			13	Chum	5.4	9.4
			14	Chum	4.0	9.2
			15	Chum	4.5	9.2
			16	Chum	4.5	9.6
			--	Chum	6.0	10.0
			17	Chum	5.4	10.0
			19	Chum	3.9	11.0
			20	Chum	3.5	10.2
			21	Chum	4.0	9.6
			22	Chum	4.4	10.4
September 5, 1982	1344	1910	25	Chum	6.3	10.1
			26	Chum	8.2	8.7
			27	Chum	8.2	8.9
			28	Chum	7.8	8.9
			29	Chum	6.4	8.8
			30	Chum	5.9	8.6
			31	Chum	6.0	8.8
			32	Chum	6.1	8.8
			33	Chum	6.1	8.9
			34	Chum	7.0	9.0
			35	Chum	6.1	8.8
			36	Chum	4.6	8.4
			37	Chum	5.5	8.8
			38	Chum	4.2	8.8

Appendix Table 4-C-51 (Continued)

<u>Date</u>	<u>Time (hours)</u>		<u>Redd No.</u>	<u>Salmon Species</u>	<u>Intragravel Temp (°C)</u>	<u>Surface Temp (°C)</u>
	<u>Begin</u>	<u>End</u>				
September 5, 1982	1344	1910	39	Chum	-.-	9.0
			40	Chum	-.-	9.0
			41	Chum	-.-	8.8
			42	Chum	-.-	8.6
			43	Chum	-.-	8.6
			44	Chum	-.-	7.0
September 6, 1982	1040	1200	45	Chum	-.-	6.6

Appendix Table 4-C-52. Instantaneous intragravel water temperatures obtained at salmon spawning redds in Slough 11, Susitna River, Alaska, 1982.

Date	Time (hours)		Redd No.	Salmon Species	Intragravel Temp (°C)	Surface Temp (°C)
	Begin	End				
September 6, 1982	N/A	N/A	--	Chum	5.0	7.1
			--	Chum	6.1	7.0
			--	Chum	-. -	7.0
			--	Chum	4.3	6.8
			--	Chum	4.3	6.8
			--	Sockeye	5.3	6.8
September 20, 1982	1030	1745	--	Chum	4.1	7.0
			01	Sockeye	3.1	-. -
			02	Sockeye	4.1	-. -
			03	Sockeye	3.2	-. -
			04	Sockeye	3.4	-. -
			05	Sockeye	3.1	-. -
			06	Sockeye	3.2	-. -
			07	Sockeye	3.2	-. -
			01	Chum	4.6	-. -
			02	Chum	4.3	-. -
			03	Chum	4.9	-. -
			08	Sockeye	4.0	-. -
			04	Sockeye	4.5	-. -
			05	Sockeye	4.4	-. -
			06	Sockeye	5.0	-. -
			09	Sockeye	4.2	-. -
			08	Chum	5.5	-. -
			10	Sockeye	3.0	-. -
			11	Sockeye	3.1	-. -
			12	Sockeye	3.0	-. -
			13	Sockeye	3.6	-. -
			14	Sockeye	3.5	-. -
			15	Sockeye	3.1	-. -
			16	Sockeye	3.2	-. -
			17	Sockeye	3.2	-. -
			18	Sockeye	3.2	-. -
			09	Chum	3.1	-. -
			19	Sockeye	3.4	-. -
			20	Sockeye	3.4	-. -
			21	Sockeye	3.0	-. -
			22	Sockeye	3.2	-. -

Appendix Table 4-C-53. Instantaneous intragravel water temperatures obtained at salmon spawning redds in Slough 21, Susitna River, Alaska, 1982.

Date	Time (hours)		Redd No.	Salmon Species	Intragravel Temp (°C)	Surface Temp (°C)
	Begin	End				
September 3, 1982	1720	N/A	01	Chum	5.5	6.6
			02	Chum	4.9	6.3
			03	Chum	4.7	6.3
			04	Chum	4.5	5.1
			05	Chum	5.0	5.5
September 4, 1982	1413	1600	06	Chum	4.7	7.4
			07	Chum	4.8	7.2
			08	Sockeye	4.8	7.5
			09	Chum	4.7	7.5
			10	Chum	4.9	7.4
			11	Chum	5.6	7.2
			12	Chum	5.5	7.4
			13	Chum	5.5	7.2
			14	Chum	4.6	7.3
			15	Chum	4.7	7.3
			16	Chum	4.6	7.6
			17	Chum	4.8	7.4
			18	Chum	4.5	7.3
			19	Chum	4.7	7.3
			20	Chum	5.2	7.4
			21	Chum	4.3	7.3
			22	Chum	4.6	7.3
			23	Chum	4.2	7.5
			24	Chum	4.6	7.4
			25	Chum	4.7	7.5
			26	Chum	4.6	7.4
			27	Chum	4.9	7.3
			28	Chum	4.2	7.3
			29	Chum	4.4	7.5
			30	Chum	4.0	7.5
			31	Chum	4.4	7.5
			32	Chum	4.4	7.6
			33	Chum	4.7	7.6
			34	Chum	4.8	8.7

