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ALASKA DEPARTMENT OF FISH AND GAME
SUSITNA HYDRO AQUATIC STUDIES

PART I,
REPORT NO. 3A Chapter 3: Appendices
AQUATIC HABITAT AND INSTREAM FLOW
INVESTIGATIONS (MAY-OCTOBER 1983)

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8.0 APPENDICES

List of Appendix Tables

Page

Table 3-A-1.	ADF&G Susitna River - mainstem, side channel, slough, and tributary temperature data index, 1981-1983.	3-A-1
Table 3-A-2.	Ryan temperature recorder data summary, surface water temperature (C) at Mainstem Susitna River at Estuary, RM 4.5, GC S14N07W05ADB, 1983.	3-A-10
Table 3-A-3.	Ryan temperature recorder data summary, surface water temperature (C) at Mainstem Susitna River at Flathorn Station, RM 18.2, GC S16N07W15DDD, 1983.	3-A-12
Table 3-A-4.	Ryan temperature recorder data summary, surface water temperature (C) at Mainstem Susitna River below Susitna Station, RM 20.5, GC S16N07W08DDB, 1983.	3-A-14
Table 3-A-5.	Ryan temperature recorder data summary, surface water temperature (C) at Mainstem Susitna River at Susitna Station, RM 25.8, GC S17N07W22DCD, 1983.	3-A-16
Table 3-A-6.	Ryan temperature recorder data summary, surface water temperature (C) at Mainstem Susitna River above Yentna River, RM 29.5, GC S17N06W07CAD, 1983.	3-A-19
Table 3-A-7.	Ryan temperature recorder data summary, surface water temperature (C) at Mainstem Susitna River above Deshka River, RM 41.1, GC S19N06W26CBC, 1983.	3-A-20A
Table 3-A-8.	Ryan temperature recorder data summary, surface water temperature (C) at Mainstem Susitna River at Parks Highway Bridge - Site 3, RM 83.9, GC S24N05W15BAD, 1983.	3-A-25

3 3755 000 44754 0

List of Appendix Tables Continued

Page

Table 3-A-9.	Ryan temperature recorder data summary, surface water temperature (C) at Mainstem Susitna River at Talkeetna Fishwheel Camp, RM 103.0, GC S27N05W26DDD, 1983.	3-A-31
Table 3-A-10.	Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Mainstem Susitna River at LRX 9 - Site 1, RM 103.2, GC S27N05W26ADD.	3-A-36
Table 3-A-11.	Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Mainstem Susitna River at LRX 9 - Site 2, RM 103.2, GC S27N05W26ADD.	3-A-41
Table 3-A-12.	Ryan temperature recorder data summary, surface water temperature (C) at Mainstem Susitna River at Curry Fishwheel Camp, RM 120.7, GC S29N04W10CBA, 1983.	3-A-43
Table 3-A-13.	Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Mainstem Susitna River at LRX 29, RM 126.1, GC S30N03W19DCA.	3-A-48
Table 3-A-14.	Datapod temperature recorder data summary, surface water temperature (C) at Mainstem Susitna River below Gold Creek, RM 135.8, GC S31N02W0BAC.	3-A-54
Table 3-A-15.	Ryan temperature recorder data summary, surface water temperature (C) at Mainstem Susitna River at Gold Creek Bridge, RM 136.6, GC S31N02W20BAC, 1983.	3-A-57
Table 3-A-16.	Ryan temperature recorder data summary, surface water temperature (C) at Mainstem Susitna River above Gold Creek, RM 136.8, GC S31N02W17CDD, 1983.	3-A-63
Table 3-A-17.	Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Mainstem Susitna River at LRX 57 - Site 1 RM 142.3, GC S32N02W36CBA.	3-A-63

List of Appendix Tables Continued

Page

Table 3-A-18.	Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Mainstem Susitna River at LRX 57 - Site 2, RM 142.3, GC S32N02W36CBA.	3-A-73
Table 3-A-19.	Ryan temperature recorder data summary, surface water temperature (C) at Mainstem Susitna River at Devil Canyon, RM 150.0, GC S32N01E31CBD, 1983.	3-A-75
Table 3-A-20.	Ryan temperature recorder data summary, surface water temperature (C) at Mainstem Susitna River above Tsusena, RM 181.9, GC S32N04E36ADA, 1983.	3-A-79
Table 3-A-21.	Ryan temperature recorder data summary, surface water temperature (C) at Mainstem Susitna River above Oshetna River - Site 1, RM 234.9, GC S30N11E35BCD, 1983.	3-A-85
Table 3-A-22.	Ryan temperature recorder data summary, surface water temperature (C) at Mainstem Susitna River above Oshetna River - Site 2, RM 235.7, GC S29N11E02ABD, 1983.	3-A-87
Table 3-A-23.	Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Side Channel 10 - Site 1, RM 133.9, GC S31N03W36AAA.	3-A-91
Table 3-A-24.	Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Upper Side Channel 11 - Site 1, RM 136.3, GC S31N02W20BBD.	3-A-95
Table 3-A-25.	Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Upper Side Channel 11 - Site 2, RM 136.2, GC S32N02W20BBD.	3-A-98

List of Appendix Tables Continued

Page

Table 3-A-26.	Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Side Channel 21 - Site 1, RM 141.0, GC S31N02W02CAA.	3-A-100
Table 3-A-27.	Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Side Channel 21 - Site 2, RM 141.0, GC S30N02W31BBB.	3-A-102
Table 3-A-28.	Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Lower Sl. 8A - Site 2, RM 125.6, GC S30N03W30BCD.	3-A-104
Table 3-A-29.	Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Lower Sl. 8A - Site 3, RM 125.6, GC S30N03W30BCD.	3-A-108
Table 3-A-30.	Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Upper Sl. 8A - Site 2, RM 126.6, GC S30N03W20CDD.	3-A-111
Table 3-A-31.	Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Slough 9, RM 128.6 GC S30N03W09DBC.	3-A-116
Table 3-A-32.	Ryan temperature recorder data summary, surface water temperature (C) at Slough 9 Incubation Site, RM 128.3, GC S30N03W09DCB, 1983.	3-A-122
Table 3-A-33.	Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Slough 10, Northeast, RM 134.0, GC S30N02W30CCC.	3-A-124

List of Appendix Tables Continued

Page

Table 3-A-34.	Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Slough 10, Northwest, RM 134.0, GC S30N02W30CCC.	3-A-124A
Table 3-A-35.	Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Slough 11, RM 135.7, GC S31N02W30ADC.	3-A-125
Table 3-A-36.	Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Slough 19, RM 140.0, GC S31N02W10DBA.	3-A-131
Table 3-A-37.	Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Lower Sl. 21 - Site 2, RM 141.8, GC S31N02W02AAB.	3-A-137
Table 3-A-38.	Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Upper Sl. 21, RM 142.0, GC S32N02W36CCC.	3-A-143
Table 3-A-39.	Ryan temperature recorder data summary, surface water temperature (C) at Yentna River - Site 2, RM 28.0, TRM 4.0, GC S18N07W34DBC, 1983.	3-A-151
Table 3-A-40.	Ryan temperature recorder data summary, surface water temperature (C) at Chulitna River - Site 2, RM 98.6, TRM 0.6, GC S26N05W15DAB, 1983.	3-A-156
Table 3-A-41.	Ryan temperature recorder data summary, surface water temperature (C) at Chulitna River - Site 3, RM 98.6, TRM 2.4, GC S26N05W09ACA, 1983.	3-A-158

List of Appendix Tables Continued

Page

<p>Table 3-A-42. Ryan temperature recorder data summary, surface water temperature (C) at Chulitna River - Site 4, RM 98.6, TRM 4.4, GC S27N05W32DAA, 1983.</p>	<p>3-A-162</p>
<p>Table 3-A-43. Ryan temperature recorder data summary, surface water temperature (C) at Talkeetna River - Site 2, RM 97.2, TRM 1.5, GC S26N05W24BDA, 1983.</p>	<p>3-A-166</p>
<p>Table 3-A-44. Datapod temperature recorder data summary, intragravel and water temperature (C), at Fourth of July Creek, RM 131.1, TRM 0.0, GC S30N03W03DAC.</p>	<p>3-A-172</p>
<p>Table 3-A-45. Datapod temperature recorder data summary, surface water temperature (C), at Gold Creek, RM 136.7, TRM 0.2, GC S31N02W20BAD.</p>	<p>3-A-174</p>
<p>Table 3-A-46. Datapod temperature recorder data summary, surface water temperature (C), at Indian River, RM 138.6, TRM 1.0, GC S31N02W09CBA.</p>	<p>3-A-180</p>
<p>Table 3-A-47. Datapod temperature recorder data summary, surface water temperature (C), at Portage Creek, RM 148.8, TRM 1.0, GC S32N01W25CAB.</p>	<p>3-A-186</p>
<p>Table 3-A-48. Ryan temperature recorder data summary, surface water temperature (C) at Tsusena Creek, RM 181.8, TRM 0.1, GC S32N04E36ADB, 1983.</p>	<p>3-A-192</p>
<p>Table 3-A-49. Ryan temperature recorder data summary, surface water temperature (C) at Deadman Creek, RM 186.7, TRM 0.1, GC S32N04E31CDB, 1983.</p>	<p>3-A-197</p>

List of Appendix Tables Continued

Page

Table 3-A-50.	Ryan temperature recorder data summary, surface water temperature (C) at Watana Creek, RM 194.1, TRM 0.1, GC S32N06E25CCA, 1983.	3-A-202
Table 3-A-51.	Ryan temperature recorder data summary, surface water temperature (C) at Kosina Creek, RM 206.8, TRM 0.1, GC S31N08E15BAB, 1983.	3-A-207A
Table 3-A-52.	Ryan temperature recorder data summary, surface water temperature (C) at Goose Creek, RM 231.3, TRM 0.1, GC S30N11E32DBC, 1983.	3-A-213
Table 3-A-53.	Ryan temperature recorder data summary, surface water temperature (C) at Oshetna River, RM 233.4, TRM 0.1, GC S30N11E34CCD, 1983.	3-A-219
Table 3-A-54.	Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River at the Estuary, RM 4.5, GC S14N07W05ADB. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.	3-A-225
Table 3-A-55.	Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River at Flathorn Station, RM 18.2, GC S16N07W15DDD. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.	3-A-226
Table 3-A-56.	Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River below Susitna Station, RM 20.5, GC S16N07W08DDB. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.	3-A-227

- Table 3-A-57. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River at Susitna Station, RM 25.8, GC S17N07W22DCD. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder. 3-A-228
- Table 3-A-58. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River above Yentna River, RM 29.5, GC S17N06W07CAD. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder. 3-A-229
- Table 3-A-59. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River above Deshka River, RM 41.1, GC S19N06W26CBC. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder. 3-A-230
- Table 3-A-60. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River at Parks Hwy Bridge - Site 3, RM 83.9, GCS24N05W15BAD. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder. 3-A-231
- Table 3-A-61. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River at Talkeetna Fishwheel Camp, RM 103.0, GC S27N05W26DDD. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder. 3-A-232
- Table 3-A-62. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Mainstem Susitna River at LRX 9 - Site 1, RM 103.2, GC S27N05W26ADD. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder. . 3-A-233
- Table 3-A-63. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Mainstem Susitna River at Mainstem at LRX 9 - Site 2, RM 103.2, GC S27N05W26ADD. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder. 3-A-234

- Table 3-A-64. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River at Curry Fishwheel Camp, RM 120.7, GC S29N04W10CBA. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder. 3-A-235
- Table 3-A-65. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Mainstem Susitna River at LRX 29, RM 126.1, GC S30N03W19DCA. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder. 3-A-236
- Table 3-A-66. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem below Gold Creek, RM 135.8, GC S31N02W20BAC. Values were obtained from temperatures measured at hourly intervals by a datapod temperature recorder. 3-A-237
- Table 3-A-67. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River at Gold Creek Bridge, RM 136.6, GC S31N02W20BAC. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder. . 3-A-238
- Table 3-A-68. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River above Gold Creek, RM 136.8, GC S31N02W17CDD. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder. 3-A-239
- Table 3-A-69. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Mainstem Susitna River at LRX 57 - Site 1, RM 142.3, GC 32N02W36CBA. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder. 3-A-240
- Table 3-A-70. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Mainstem Susitna River at LRX 57 - Site 2, RM 142.3, GC 32N02W36CBA. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder. . 3-A-241

List of Appendix Tables Continued

Page

- Table 3-A-71. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River at Devil Canyon, RM 150.0, GC S32N01E31CBD. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder. 3-A-242
- Table 3-A-72. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River above Tsusena, RM 181.9, GC S32N04E36ADA. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder. 3-A-243
- Table 3-A-73. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River above Oshetna River - Site 1, RM 234.9, GC S30N11E35BCD. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder. .. 3-A-244
- Table 3-A-74. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River above Oshetna River - Site 2, RM 235.7, GC S29N11E02ABD. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder. .. 3-A-245
- Table 3-A-75. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Side Channel 10 - Site 1, RM 133.9, GC 31N03W36AAA. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder. 3-A-246
- Table 3-A-76. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Upper Side Channel 11 - Site 1, RM 136.3, GC 31N02W20BBD. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder. 3-A-247
- Table 3-A-77. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Upper Side Channel 11 - Site 2, RM 136.2, GC S32N02W20BBD. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder. 3-A-248
- Table 3-A-78. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Side Channel 21 - Site 1, RM 141.1, GC S31N02W02CAA. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder. 3-A-249

List of Appendix Tables Continued

Page

Table 3-A-79.	Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Side Channel 21 - Site 2, RM 141.0, GC S30N02W31BBB. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.	3-A-250
Table 3-A-80.	Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Lower Sl. 8A - Site 2, RM 125.6, GC S30N03W30BCD. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.	3-A-251
Table 3-A-81.	Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Lower Sl. 8A - Site 3, RM 125.6, GC S30N03W30BCD. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.	3-A-252
Table 3-A-82.	Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Upper Sl. 8A - Site 2, RM 126.6, GC S30N03W20CDD. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.	3-A-253
Table 3-A-83.	Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Slough 9, RM 128.7, GC S30N03W09DBC. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.	3-A-254
Table 3-A-84.	Weekly minimum, mean and maximum surface water temperatures (C) at Slough 9 Incubation Site, RM 128.3, GC S30N03W09DCB. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.	3-A-255
Table 3-A-85.	Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Slough 10, Northeast Site, RM 134.0, GC S30N02W30CCC. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.	3-A-256

List of Appendix Tables Continued

Page

Table 3-A-86.	Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Slough 10, Northwest Site, RM 134.0, GC S30N02W30CCC. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.	3-A-257
Table 3-A-87.	Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Slough 11, RM 135.7, GC S31N02W30ADC. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.	3-A-258
Table 3-A-88.	Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Slough 19, RM 140.0, GC S31N02W10DBA. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.	3-A-259
Table 3-A-89.	Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Lower Sl. 21 - Site 2, RM 141.8, GC S31N02W02AAB. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.	3-A-260
Table 3-A-90.	Weekly minimum, mean and maximum intragravel and surface water temperatures (C) Upper Sl. 21, RM 142.0, GC S32N02W36CCC. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.	3-A-261
Table 3-A-91.	Weekly minimum, mean and maximum surface water temperatures (C) at Yentna River - Site 2, RM 28.0, TRM 4.0, GC S18N07W34DBC. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.	3-A-262
Table 3-A-92.	Weekly minimum, mean and maximum surface water temperatures (C) at Chulitna River - Site 2, RM 98.6, TRM 0.6, GC S26N05W15DAB. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.	3-A-263

List of Appendix Tables Continued

Page

- Table 3-A-93. Weekly minimum, mean and maximum surface water temperatures (C) at Chulitna River - Site 3, RM 98.6, TRM 2.4, GC S26N05W09ACA. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder. 3-A-264
- Table 3-A-94. Weekly minimum, mean and maximum surface water temperatures (C) at Chulitna River - Site 4, RM 98.6, TRM 4.4, GC S27N05W32DAA. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder. 3-A-265
- Table 3-A-95. Weekly minimum, mean and maximum surface water temperatures (C) at Talkeetna River - Site 2, RM 97.2, TRM 1.5, GC S26N05W24BDA. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder. 3-A-266
- Table 3-A-96. Weekly minimum, mean and maximum intragravel water temperatures (C) at Mainstem by Fourth of July Creek and Plume, RM 131.1, TRM 0.0, GC S30N03W03DAC. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder. . 3-A-267
- Table 3-A-97. Weekly minimum, mean, and maximum surface water temperatures (C) at Gold Creek, RM 136.7, TRM 0.2, GC S31N02W20BAD. Values were obtained from temperatures measured at hourly intervals by a datapod temperature recorder. 3-A-268
- Table 3-A-98. Weekly minimum, mean, and maximum surface water temperatures (C) at Indian River, RM 138.6, TRM 1.0, GC S31N02W09CBA. Values were obtained from temperatures measured at hourly intervals by a datapod temperature recorder. 3-A-269
- Table 3-A-99. Weekly minimum, mean, and maximum surface water temperatures (C) at Portage Creek, RM 148.8, TRM 0.2, GC S32N01W25CAB. Values were obtained from temperatures measured at hourly intervals by a datapod temperature recorder. 3-A-270

List of Appendix Tables Continued

Page

Table 3-A-100. Weekly minimum, mean and maximum surface water temperatures (C) at Tsusena Creek, RM 181.8, TRM 0.1, GC S32N04E36ADB. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.	3-A-271
Table 3-A-101. Weekly minimum, mean and maximum surface water temperatures (C) At Deadman Creek, RM 186.7, TRM 0.1, GC S32N04E31CDB. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.	3-A-272
Table 3-A-102. Weekly minimum, mean and maximum surface water temperatures (C) at Watana Creek, RM 194.1, TRM 0.1, GC S32N06E25CCA. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.	3-A-273
Table 3-A-103. Weekly minimum, mean and maximum surface water temperatures (C) at Kosina Creek, RM 206.8, TRM 0.1, GC S31N08E15BAB. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.	3-A-274
Table 3-A-104. Weekly minimum, mean and maximum surface water temperatures (C) at Goose Creek, RM 231.3, TRM 0.1, GC S30N11E32DBC. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.	3-A-275
Table 3-A-105. Weekly minimum, mean and maximum surface water temperatures (C) at Oshetna River, RM 233.4, TRM 0.1, GC S30N11E34CCD. Values were obtained from temperatures measured at two-hour intervals By a Ryan temperature recorder.	3-A-276

List of Appendix Figures

Page

Figure 3-A-1.	Location of the temperature monitoring station at Mainstem Susitna River at Estuary, (RM 4.5), GC S14N07W05ADB.	3-A-277
Figure 3-A-2.	Location of the temperature monitoring station at Mainstem Susitna River at Flathorn, (RM 18.2), GC S16N07W15DDD.	3-A-278
Figure 3-A-3.	Location of the temperature monitoring station at Mainstem Susitna River below Susitna Station (RM 20.5), GC S16N07W08DDB.	3-A-279
Figure 3-A-4.	Location of the temperature monitoring station at Mainstem Susitna River at Susitna Station (RM 25.8), CG S17N07W22DCD.	3-A-280
Figure 3-A-5.	Location of the temperature monitoring station at Yentna River (RM 28.0), GC S17N07W01CAB.	3-A-281
Figure 3-A-6.	Location of the temperature monitoring station at Mainstem Susitna River above Yentna River (RM 29.5), GC S17N06W07CAD.	3-A-282
Figure 3-A-7.	Location of the temperature monitoring station at Mainstem Susitna River above Deshka River (RM 41.1), GC S19N06W26CBC.	3-A-283
Figure 3-A-8.	Location of the temperature monitoring station at Mainstem Susitna River at Parks Highway (RM 83.9), GC S24N05W15BAD.	3-A-284
Figure 3-A-9.	Location of the temperature monitoring station at Talkeetna River (RM 97.2), GC S26N05W24BDA.	3-A-285
Figure 3-A-10.	Location of the temperature monitoring station at Chulitna River (RM 98.6), GC S26N05W15DAA.	3-A-286
Figure 3-A-11.	Locations of the temperature monitoring stations at Mainstem Susitna River at Talkeetna Fishwheel Camp (RM 103.0), GC S27N05W26DDD and LRX 9 (RM 103.2), GC S27N05W26ADD.	3-A-287
Figure 3-A-12.	Location of the temperature monitoring station at Mainstem Susitna River at Curry Fishwheel Camp (RM 120.7), GC S29N04W10CBA.	3-A-288

List of Appendix Figures Continued

Page

Figure 3-A-13.	Locations of the temperature monitoring stations at Upper Slough 8A (RM 126.6), GC S30N03W20CDD; and Lower Slough 8A (RM 125.4), GC S30N03W30BCD; and LRX 29 (RM 126.1), GC S30N03W19DCA.	3-A-289
Figure 3-A-14.	Locations of the temperature monitoring stations at Slough 9 (RM 128.8), GC S30N03NW16ABC and Slough 9 Incubation Site (RM 128.3), GC S30N03W09DCB.	3-A-290
Figure 3-A-15.	Location of the temperature monitoring station at Fourth of July Creek and Plume (RM 131.1), GC S30N03W03DAC.	3-A-291
Figure 3-A-16.	Locations of the temperature monitoring stations at Slough 10 Northeast (RM 134.0), GC S31N03W36AAA; Slough 10 Northwest (RM 134.0), GC S31N03W36AAA; and Side Channel 10 (RM 133.9), GC S31N03W36AAA.	3-A-292
Figure 3-A-17.	Locations of the temperature monitoring stations at Slough 11 (RM 135.3), GC S31N02W19DDD; Upper Side Channel 11 (RM 136.3), GC S32N02W20BBD; and Mainstem Susitna River at Gold Creek (RM 136.7), GC S31N02W20BAA.	3-A-293
Figure 3-A-18.	Locations of the temperature monitoring stations at Mainstem Susitna River at Gold Creek Bridge (RM 136.6), GC S31N02W20BAC; Mainstem Susitna river above Gold Creek (RM 136.8), GC S31N02W20BAA and Gold Creek (RM 136.7), GC S31N02W20BAA.	3-A-294
Figure 3-A-19.	Location of the temperature monitoring station at Indian River (RM 138.6), GC S31N02W09CDA.	3-A-295
Figure 3-A-20.	Location of the temperature monitoring station at Slough 19 (RM 140.0), GC S31N11W10DBB.	3-A-296
Figure 3-A-21.	Location, of the temperature monitoring stations at Mainstem Susitna River at LRX 57 (RM 142.3), GC S32N02W36CBA; Upper Slough 21 (RM 142.0), GC S32N02W36CCC; Lower Slough 21 (RM 141.8), GC S31N02W02AAA; and Side Channel 21 (RM 141.0), GC S31N02W02CAA.	3-A-297
Figure 3-A-22.	Location of the temperature monitoring station at Portage Creek (RM 148.8) GC S32N01W25CAB.	3-A-298
Figure 3-A-23.	Location of the temperature monitoring station at Mainstem Susitna River at Devil Canyon (RM 150.0), GC S32N01E31CBD.	3-A-299

List of Appendix Figures Continued

Page

Figure 3-A-24.	Locations of the temperature monitoring stations at Tsusena Creek (RM 181.8), GC S32N04E36ADB and at Mainstem Susitna River Above Tsusena (RM 181.9), GC S32N04E36ADA.	3-A-300
Figure 3-A-25.	Location of the temperature monitoring station at Deadman Creek (RM 186.7), GC S32N05E26CDB.	3-A-301
Figure 3-A-26.	Location of the temperature monitoring station at Watana Creek (RM 194.1), GC S32N06E25CCA.	3-A-302
Figure 3-A-27.	Location of the temperature monitoring station at Kosina Creek (RM 206.8), GC S31N08E15BAB.	3-A-303
Figure 3-A-28.	Location of the temperature monitoring station at Goose Creek (RM 231.3), GC S30N11E32DBC.	3-A-304
Figure 3-A-29.	Location of the temperature monitoring station at Oshetna River (RM 233.4), GC S30N11E34CCD.	3-A-305
Figure 3-A-30.	Locations of the temperature monitoring stations at Mainstem Susitna River Above Oshetna River Site 1 (RM 234.9), GC S30N11E35BCD, and Site 2 (RM 235.7), GC S29N11E02ABD.	3-A-306

Table 3-A-1 ADF&G Susitna River mainstem, side channel, slough, and tributary temperature index, 1981-1983.

Location	Instrument/ Temperature Type	Period of Record	ADF&G Su Hydro Report Sources			
			1981 Final Draft Report Vol. 2 Part 1	1983 Draft Basic Data Report Vol. 4	1983 Winter Aquatic Studies	1984 Report No.3
Mainstem at the Estuary RM 4.5 S14N07W05ADB	Thermograph Surface	05/10/83-06/15/83				X
Alexander Creek RM 10.1 TRM 0.5 S15N07W05CBC	Thermograph Surface	06/06/81-10/09/81	X			
Mainstem above Alexander Creek RM 10.1 S15N07W05CDB	Thermograph Surface	06/06/81-09/01/81	X			
Mainstem at Flathorn Station RM 18.2 S16N07W15DDD	Thermograph Surface	06/02/83-07/22/83				X
Mainstem below Susitna Station RM 20.5 S16N07W08DDB	Thermograph Surface	05/23/83-06/02/83				X
Mainstem at Susitna Station RM 25.8 S17N07W22DCD	Thermograph Surface	05/16/82-06/10/82 05/25/83-07/22/83		X		X
Yentna River Site #1 RM 28.0 TRM 2.0 S17N07W01CAB (Previously RM 30.1)	Thermograph Surface	06/05/81-09/14/81	X			X
Site #2 RM 28.0 TRM 4.0 S18N07W34DBC	Thermograph Surface	06/08/82-09/27/82 10/04/82-10/11/82 06/15/83-10/07/83		X X		X
Mainstem above Yentna River RM 29.5 S17N06W07CAD (Previously RM 32.3)	Thermograph Surface	06/06/81-10/09/81 06/08/82-06/14/82 06/18/82-10/17/82 05/23/83-06/15/83	X	X X		X
Deshka River RM 40.6 TRM 1.2 S19N06W26CBB	Thermograph Surface	06/10/81-10/09/81	X			

3-A-1

Table 3-A-1 (Continued)

Location	Instrument/ Temperature Type	Period of Record	ADF&G Su Hydro Report Sources			
			1981 Final Draft Report Vol. 2 Part 1	1983 Draft Basic Data Report Vol. 4	1983 Winter Aquatic Studies	1984 Report No.3
Mainstem above Deshka River RM 41.1 S19N06W26CBC	Thermograph Surface	06/15/83-10/07/83				X
Little Willow Creek RM 50.5 TRM 1.0 S20N05W23CBC	Thermograph Surface	06/24/81-09/30/81	X			
Mainstem above Little Willow Creek RM 50.5 S20N05W27BAC	Thermograph Surface	06/24/81-09/09/81 09/15/81-09/29/81	X X			
Mainstem above Kashwitna River RM 61.2 S21N05W13ABA	Thermograph Surface	08/30/81-09/27/81	X			
Montana Creek RM 77.2 TRM 0.0 S23N04W07AAB	Thermograph Surface	06/12/81-07/24/81 09/30/81-10/13/81	X X			
Mainstem above Montana Creek RM 77.5 S23N04W06CAA	Thermograph Surface	06/12/81-07/03/81 08/30/81-10/13/81	X X			
Mainstem at Parks Highway Bridge Site #1 East Shore RM 83.9 S24N05W15BAD	Thermograph Surface	06/11/81-07/14/81	X			
Site #2 West Shore RM 83.9 S24N05W15BAB	Thermograph Surface	06/08/82-07/09/82		X		
Site #3 East Shore RM 83.9 S24N05W15BAD	Thermograph Surface	08/22/82-10/26/82 05/25/83-08/22/83 09/10/83-10/12/83		X		X X
Mainstem - LRX1 RM 97.0 S26N05W23DCB	Thermograph Surface	06/08/82-06/24/82		X		

3-A-2

Table 3-A-1 (Continued)

Location	Instrument/ Temperature Type	Period of Record	ADF&G Su Hydro Report Sources			
			1981 Final Draft Report Vol. 2 Part 1	1983 Draft Basic Data Report Vol. 4	1983 Winter Aquatic Studies	1984 Report No.3
Talkeetna River Site #1 RM 97.2 TRM 1.0 S26N05W24BDA (Previously RM 97.0)	Thermograph Surface	06/21/81-10/04/81	X			
Site #2 RM 97.2 TRM 1.5 S26N05W24BDA	Thermograph Surface	06/08/82-06/24/82 07/31/82-10/22/82 05/29/83-08/30/83 09/17/83-10/11/83		X X		X X
Chulitna River Site #1 RM 98.6 TRM 0.5 S26N05W15DAA (Previously RM 98.0)	Thermograph Surface	06/20/81-07/16/81 09/09/81-09/28/81	X X			
Site #2 RM 98.6 TRM 0.6 S26N05W15DAB	Thermograph Surface	06/08/82-06/24/82 08/22/82-09/25/82 10/09/82-10/22/82 05/29/83-06/14/83		X X X		X
Site #3 RM 98.6 TRM 2.4 S27N05W32DAA	Thermograph Surface	07/23/83-10/11/83				X
Site #4 RM 98.6 TRM 4.4 S27N05W32DAA	Thermograph Surface	07/23/83-08/08/83 08/17/83-10/11/83				X X
Whiskers Slough RM 101.2 S26N05W03ADB	Thermograph Surface	02/22/82-05/06/82		X		
Mainstem at Talkeetna Fishwheel Camp RM 103.0 S27N05W26DDD	Thermograph Surface	06/20/81-07/10/81 08/07/81-08/25/81 09/09/81-09/30/81 06/24/82-07/03/82 07/07/82-09/15/82 09/22/82-10/26/82 05/18/83-06/08/83 06/18/83-09/26/83	X X X		X X X	
Mainstem at LRX 9 Site #1 RM 103.2 S27N05W26ADD	Datapod Intra/Surface Surface Intra/Surface Surface Intra/Surface	05/14/83-05/20/83 06/29/83-07/11/83 07/22/83-08/07/83 08/09/83-08/11/83 08/12/83-08/19/83 08/20/83-08/26/83 08/26/83-09/10/83				X X X X X X

3-A-3

Table 3-A-1 (Continued)

Location	Instrument/ Temperature Type	Period of Record	ADF&G Su Hydro Report Sources			
			1981 Final Draft Report Vol. 2 Part 1	1983 Draft Basic Data Report Vol. 4	1983 Winter Aquatic Studies	1984 Report No.3
Mainstem at LRX 9 (Cont'd) Site #2 RM 103.2 S27N05W26ADD	Datapod Intra/Surface Intragravel	09/12/83-10/22/83 10/22/83-10/31/83				X X
Mainstem at LRX 18 RM 113.0 S28N04W12DAB	Thermograph Surface	07/07/82-10/17/82		X		
Mainstem at Curry Fishwheel Camp RM 120.7 S29N04W10CBA	Thermograph Surface	07/07/82-09/30/82 06/19/83-10/11/83		X		X
Lower Slough 8A Site #1 RM 125.4 S30N03W30BCD (Also referred to as Slough 8A Mouth)	Datapod Intra/Surface Surface	08/21/82-10/25/82 10/30/82-12/02/82 12/21/82-03/09/83 03/09/83-04/28/83		X	X X X X	X X
Site #2 RM 125.6 S30N03W30BCD (Also referred to as Slough 8A Middle)	Datapod Intra/Surface Intragravel Intra/Surface	04/28/83-06/01/83 06/02/83-07/03/83 07/04/83-08/25/83			X	X X X
Site #3 RM 125.6 S30N03W30BCD	Intra/Surface	08/25/83-10/31/83				X
Slough 8A-Northeast Fork RM 126.0 S30N03W20BCA (Also referred to as Slough 8A Area of R&M Stage Recorder)	Thermograph Surface	07/28/82-10/20/82		X		
Mainstem LRX 29 RM 126.1 S30N03W19DCA	Thermograph Surface Datapod Intra/Surface Intragravel Intra/Surface Intragravel	07/09/82-07/27/82 07/29/82-10/01/82 10/30/82-11/09/82 11/09/82-04/28/83 05/15/83-10/27/83 10/27/83-10/31/83		X X	X X	X X
Upper Slough 8A Site #1 RM 126.6 S30N03W20CDD (Previously RM 126.4)	Datapod Intra/Surface	08/21/82-10/25/82		X	X	
Site #2 RM 126.6 S30N03W20CDD	Intra/Surface	03/11/83-06/02/83 05/01/83-08/25/83 10/27/83-10/31/83			X	X X

3-A-4

Table 3-A-1 (Continued)

Location	Instrument/ Temperature Type	Period of Record	ADF&G Su Hydro Report Sources			
			1981 Final Draft Report Vol. 2 Part 1	1983 Draft Basic Data Report Vol. 4	1983 Winter Aquatic Studies	1984 Report No.3
Slough 9						
Site #1 RM 128.8 S30N03NW16ABC (Previously RM 129.0) (Also referred to as Slough 9 Downstream of Tributary B)	Thermograph Surface	03/28/82-05/02/82		X		
	Thermograph Intragravel Water	02/09/82-05/06/82		X		
Site #2 RM 128.7 S30N03W16ACB (Previously RM 129.2) (Also referred to as Slough 9 - area of R&M stage recorder)	Thermograph Surface	07/28/82-09/13/82 09/20/82-10/30/82		X X		
Site #3 RM 128.6 GC S30N03W09DBC (Previously 128.7)	Datapod Intragravel	08/21/82-11/14/82 03/18/83-06/02/83 05/01/83-06/08/83 06/09/83-07/19/83			X	X X
	Intra/Surface Intragravel	07/20/83-08/15/83 08/16/83-08/23/83				X X
	Intra/Surface Intragravel	08/24/83-09/04/83 09/04/83-09/16/83				X X
	Intra/Surface Intragravel	09/17/83-10/10/83 10/11/83-10/20/83				X X
	Intra/Surface	10/21/83-10/31/83				X
Slough 9 Incubation Site RM 128.3 S30N03W09DCB	Thermograph Surface	08/31/83-09/21/83				X
Slough 9B RM 129.0 S30N03W16ABB	Thermograph Intra/Surface	02/27/82-05/06/82		X		
Mainstem at LRX 35 RM 130.8 S30N03W03DCA	Thermograph Surface	09/02/82-09/18/82		X		
Fourth of July Creek & Plume RM 131.1 S30N03W03DAC	Datapod Intragravel	09/01/83-10/31/83				X
Mainstem Above Fourth of July RM 131.3 S30N03W03DAB	Thermograph Surface	06/16/81-09/04/81 09/07/81-09/28/81	X X			

3-A-5

Table 3-A-1 (Continued)

Location	Instrument/ Temperature Type	Period of Record	ADF&G Su Hydro Report Sources			
			1981 Final Draft Report Vol. 2 Part 1	1983 Draft Basic Data Report Vol. 4	1983 Winter Aquatic Studies	1984 Report No.3
Side Channel 10 Site #1 RM 133.9 S31N03W36AAA	Datapod Intra/Surface	07/17/83-10/31/83				X
Slough 10 Northeast RM 134.0 S31N03W36AAA	Datapod Intra/Surface	10/19/83-10/31/83				X
Slough 10 Northwest RM 134.0 S31N03W36AAA	Datapod Intra/Surface	10/19/83-10/31/83				X
Slough 11 Site #1 RM 135.3 S31N02W19DDD	Thermograph Surface	02/24/82-04/22/82		X		
Site #2 RM 135.7 S31N02W30ADC	Datapod Intra/Surface	08/21/82-10/27/82 11/28/82-06/02/83 05/01/83-10/31/83		X	X X	X
Upper Side Channel 11 Site #1 RM 136.3 S32N02W20BBD	Datapod Intra/Surface	07/29/83-09/11/83				X
Site #2 RM 136.3 S32N02W20BBD	Intra/Surface	09/12/83-10/31/83				X
Mainstem Below Gold Creek RM 135.8 S31N02W20BAC	Datapod Surface/ Dissolved Gas	06/05/83-08/10/83				X
Mainstem At Gold Creek Bridge RM 136.6 S31N02W20BAC (Site of old USGS recorder)	Thermograph Surface	05/30/83-08/10/83 09/15/83-10/11/83				X X
Gold Creek Site #1 RM 136.7 TRM 0.1 S31N02W20BAA (Previously RM 136.8)	Thermograph Surface	07/24/81-08/03/81	X			
Site #2 RM 136.7 TRM 0.2 S31N02W20BAD	Datapod Surface/Stage	05/06/83-10/05/83				X

S-19-10

Table 3-A-1 (Continued)

Location	Instrument/ Temperature Type	Period of Record	ADF&G Su Hydro Report Sources			
			1981 Final Draft Report Vol. 2 Part 1	1983 Draft Basic Data Report Vol. 4	1983 Winter Aquatic Studies	1984 Report No.3
Mainstem Above Gold Creek Site #1 RM 136.8 S31N02W20BAA	Thermograph Surface	07/24/81-08/03/81	X			
		08/07/81-08/17/81	X			
		08/21/81-09/29/81	X			
Site #2 RM 136.8 S31N02W17CDD	Datapod Intra/Surface Surface	10/13/82-01/24/83			X	
		01/24/83-01/31/83			X	
Slough 16B RM 138.0 S31N02W17AAA	Thermograph Surface	05/30/83-09/26/83				X
Indian River Site #1 RM 138.6 TRM 0.1 S31N02W09CDA (Previously 138.7)	Thermograph Surface	08/21/82-10/25/82		X	X	
Site #2 RM 138.6 TRM 1.0 S31N02W09CBA	Datapod Surface/Stage	07/18/81-07/27/81	X			
		08/01/81-08/25/81	X			
		09/12/81-09/25/81	X			
Mainstem Above Indian River RM 138.7 S31N02W09DCB	Thermograph Surface	06/08/82-08/04/82		X		
		08/08/82-10/22/82		X		
		05/17/83-10/19/83				X
Slough 19 RM 140.0 S31N11W10DBA	Thermograph Surface	07/19/81-07/29/81	X			
		08/01/81-08/05/81	X			
	Thermograph Intragravel Surface Datapod Intragravel Surface Intra/Surface	09/25/81-09/29/81	X			
		08/27/81-09/13/81	X			
		02/05/82-04/13/82		X		
		02/07/82-05/06/82		X		
		08/21/82-09/30/82		X	X	
		10/01/82-10/25/82		X	X	
		10/29/82-11/28/82			X	
		01/14/83-05/01/83			X	
		05/01/83-05/17/83			X	X
		06/05/83-10/31/83				X
Mainstem at LRX 53 RM 140.1 S31N11W10AAC	Thermograph Surface	08/04/82-09/14/82		X		

3-A-1-7

Table 3-A-1 (Continued)

Location	Instrument/ Temperature Type	Period of Record	ADF&G Su Hydro Report Sources			
			1981 Final Draft Report Vol. 2 Part 1	1983 Draft Basic Data Report Vol. 4	1983 Winter Aquatic Studies	1984 Report No.3
Side Channel 21 Site #1 RM 141.0 S31N02W02CAA	Datapod Intra/Surface Intragravel	08/29/83-09/05/83 09/06/83-09/12/83				X X
Site #2 RM 141.0 S31N02W02CAA	Data pod Intra/Surface	09/13/83-10/31/83				X
Lower Slough 21 Site #1 RM 141.8 (Previously RM 142.0) S31N02W02AAA (Also Referred to as Slough 21 - Mouth)	Thermograph Intragravel Thermograph Surface	02/06/82-04/24/82 02/06/82-05/03/82		X X		
Site #2 RM 141.8 S31N02W02AAB (Also Referred to as Slough 21 - Mouth)	Datapod Intra/Surface	09/17/82-10/25-82 10/29/82-04/30/83 05/28/83-10/31/83		X	X X	X
Slough 21 - Middle RM 142.0 S31N11W09AAA	Thermograph Surface	03/08/82-05/03/82 07/28/82-10/27/82		X X		
Upper Slough 21 RM 142.0 S32N02W36CCC	Datapod Intra/Surface	08/21/82-10/25/82 10/29/82-05/01/83 05/01/83-10/31/83		X	X X	X
Mainstem at LRX 57 Site #1 RM 142.3 S32N02W36CBA	Datapod Intragravel Intra/Surface	05/31/83-08/04/83 08/04/83-09/09/83				X X
Site #2 RM 142.3 S32N02W36CBA	Datapod Intra/Surface Intragravel	09/13/83-10/24/83 10/24/83-10/31/83				X X
Portage Creek Site #1 RM 148.8 TRM 0.1 S32N01W25CAB	Thermograph Surface	06/08/82-06/13/82 06/24/82-07/02/82 07/04/82-07/31/82 08/04/82-08/31/82	X X X X			
Site #2 RM 148.8 TRM 0.5 S32N01W25CAB	Datapod Surface/ Stage	08/09/82-10/22/82 05/14/83-07/07/83 07/28/83-10/19/83		X		X X

3-H-5

Table 3-A-1 (Continued)

Location	Instrument/ Temperature Type	Period of Record	ADF&G Su Hydro Report Sources			
			1981 Final Draft Report Vol. 2 Part 1	1983 Draft Basic Data Report Vol. 4	1983 Winter Aquatic Studies	1984 Report No. 3
Mainstem Above Portage Creek RM 148.8 S32N01W25CDA	Thermograph Surface	07/17/81-07/29/81 08/01/81-09/08/81 09/10/81-10/03/81	X X X			
Mainstem at Devil Canyon RM 150.0 S32N01E31CBD	Thermograph Surface	07/02/83-10/05/83				X
Mainstem at Devil Canyon RM 150.1 S32N01E31CBD	Datapod Surface/ Dissolved Gas	08/08/82-10/10/82		X		
Tsusena Creek RM 181.8 TRM 0.1 S32N04E36ADB (Previously RM 181.3)	Thermograph Surface	06/19/82-10/16/82 05/26/83-07/18/83 08/24/83-09/27/83		X		X X
Mainstem Above Tsusena RM 181.9 S32N04E36ADA	Thermograph Surface	05/26/83-10/12/83				X
Deadman Creek RM 186.7 TRM 0.1 S32N05E26CDB	Thermograph Surface	05/26/83-08/22/83 09/13/83-09/25/83				X X
Watana Creek RM 194.1 TRM 0.1 S32N06E25CCA	Thermograph Surface	06/20/82-08/15/82 09/08/82-09/19/82 09/27/82-10/16/82 05/17/83-09/03/83 09/13/83-10/12/83		X X X		X X
Kosina Creek RM 206.8 TRM 0.1 S31N08E15BAB	Thermograph Surface	06/27/82-08/17/82 09/19/82-10/16/82 05/26/83-06/19/83 06/30/83-10/12/83		X X		X X
Coose Creek RM 231.3 TRM 0.1 S30N11E32DBC	Thermograph Surface	06/27/82-10/16/82 05/25/83-06/05/83 06/19/83-07/01/83 07/29/83-10/12/83		X		X X X
Oshetna River RM 233.4 TRM 0.1 S30N11E34CCD	Thermograph Surface	06/27/82-07/02/82 07/08/82-07/22/82 07/28/82-09/27/82 05/19/83-10/12/83		X X X		X
Mainstem Above Oshetna River Site #1 RM 234.9 S30N11E25DBB	Thermograph Surface	05/25/83-06/23/83				X
Site #2 RM 235.7 S29N11E02ABD	Thermograph Surface	07/28/83-09/03/83 09/13/83-10/12/83				X X

3-19-9

Table 3-A-2. Ryan temperature recorder data summary,
 surface water temperature (C) at Mainstem
 Susitna River at Estuary, RM 4.5,
 GC S14N07W05ADB, 1983.

May 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830510	4.8	----	4.8
830511	4.3	5.0	5.3
830512	5.3	6.2	6.8
830513	6.3	6.9	7.8
830514	6.3	6.7	6.8
830515	6.3	7.0	7.8
830516	6.3	6.7	6.8
830517	6.3	6.7	7.3
830518	6.3	6.7	7.3
830519	6.8	7.3	7.8
830520	7.3	8.1	8.8
830521	8.3	9.0	9.3
830522	8.8	8.8	8.8
830523	8.3	8.5	8.8
830524	8.3	8.7	9.3
830525	8.3	9.2	9.8
830526	9.3	9.7	10.3
830527	9.3	9.4	9.8
830528	8.8	----	9.3
830530	9.8	----	10.3
830531	9.8	10.1	10.3
Monthly Value	4.3	----	10.3

3-A-10

Table 3-A-2. continued

June 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830601	9.3	9.8	10.3
830602	9.3	9.6	9.8
830603	8.8	9.1	9.3
830604	8.3	8.6	8.8
830605	7.8	8.8	9.3
830606	9.3	10.7	11.3
830607	11.3	11.8	12.3
830608	11.8	12.2	12.8
830609	11.8	12.2	12.3
830610	11.3	11.7	12.3
830611	11.3	11.8	12.3
830612	11.3	11.8	12.3
830613	11.3	11.8	12.3
830614	11.8	12.4	13.3
830615	12.3	---	12.8
Monthly Value	7.8	---	13.3

3-A-11

Table 3-A-3. Ryan temperature recorder data summary,
 surface water temperature (C) at Mainstem
 Susitna River at Flathorn Station,
 RM 18.2, GC S16N07W15DDD, 1983.

June 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830602	10.2	-----	10.2
830603	9.2	9.4	10.2
830604	8.7	8.7	9.2
830605	8.2	8.7	9.7
830606	9.7	10.0	10.7
830607	10.7	11.0	11.7
830608	11.7	11.8	12.2
830609	11.7	12.1	12.2
830610	10.7	11.4	11.7
830611	11.2	11.5	11.7
830612	11.7	11.7	11.7
830613	11.7	11.9	12.2
830614	12.2	12.3	12.7
830615	12.7	13.0	13.7
830616	12.7	12.8	13.2
830617	12.7	12.9	13.7
830618	13.2	13.6	14.2
830619	13.7	14.1	14.2
830620	13.7	13.9	14.2
830621	14.2	14.2	14.2
830622	14.2	14.4	14.7
830623	14.7	14.7	14.7
830624	14.2	14.5	14.7
830625	14.2	14.3	14.7
830626	14.2	14.2	14.2
830627	13.2	13.3	13.7
830628	12.7	12.8	13.2
830629	12.7	12.7	12.7
830630	12.2	12.5	12.7
Monthly Value	8.2	12.4	14.7

3-A-12

Table 3-A-3. continued

July 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830701	12.7	12.7	12.7
830702	12.2	12.6	12.7
830703	12.7	13.1	13.7
830704	13.7	13.7	13.7
830705	13.2	13.3	13.7
830706	13.2	13.4	13.7
830707	12.7	12.8	13.2
830708	12.2	12.3	12.7
830709	12.2	12.2	12.2
830710	11.7	12.3	13.2
830711	12.7	13.2	13.2
830712	12.2	12.3	12.7
830713	11.7	12.1	12.7
830714	12.7	12.9	13.2
830715	13.2	13.3	13.7
830716	13.2	13.3	13.7
830717	12.7	12.8	13.2
830718	12.2	12.3	12.7
830719	12.2	12.5	13.2
830720	12.7	13.1	13.7
830721	13.2	13.3	13.7
830722	12.7	----	13.2
Monthly Value	11.7	12.8	13.7

3-A-13

Table 3-A-4. Ryan temperature recorder data summary,
 surface water temperature (C) at Mainstem
 Susitna River below Susitna Station,
 RM 20.5, GC S16N07W08DDB, 1983.

May 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830523	8.6	-----	8.6
830524	7.6	7.9	8.6
830525	7.6	8.3	9.1
830526	8.6	8.9	9.1
830527	8.1	8.2	8.6
830528	8.1	8.2	8.6
830529	8.6	8.9	9.1
830530	9.1	9.2	9.6
830531	9.6	9.6	9.6
Monthly Value	7.6	-----	9.6

3-A-14

Table 3-A-4. continued

June 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830601	9.1	9.3	9.6
830602	9.1	-----	9.1
Monthly Value	9.1	-----	9.6

Table 3-A-5. Ryan temperature recorder data summary,
 surface water temperature (C) at Mainstem
 Susitna River at Susitna Station,
 RM 25.8, GC S17N07W22DCD, 1983.

May 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830525	10.5	-----	11.0
830526	10.0	10.3	10.5
830527	9.5	9.7	10.0
830528	9.5	9.9	10.5
830529	10.0	10.6	11.0
830530	10.5	11.0	11.5
830531	10.5	11.0	11.5
Monthly Value	9.5	-----	11.5

Table 3-A-5. continued

June 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830601	10.0	10.5	11.5
830602	10.0	10.1	10.5
830603	9.5	9.6	10.0
830604	8.5	8.8	9.0
830605	8.0	8.9	10.0
830606	10.0	10.4	11.5
830607	10.5	11.2	12.0
830608	11.5	11.8	12.5
830609	11.5	11.8	12.5
830610	11.0	11.3	11.5
830611	11.0	11.3	11.5
830612	11.0	11.3	11.5
830613	11.5	11.6	12.0
830614	12.0	12.0	12.5
830615	12.0	12.1	12.5
830616	11.0	11.3	12.0
830617	10.5	11.5	12.5
830618	11.5	12.2	13.0
830619	12.0	12.7	13.0
830620	12.0	12.5	13.5
830621	12.0	12.8	13.5
830622	12.5	13.1	14.0
830623	13.0	13.2	14.0
830624	12.5	13.0	13.5
830625	12.5	12.9	13.5
830626	12.5	12.8	13.5
830627	11.5	11.9	12.5
830628	11.0	11.5	12.0
830629	10.5	11.2	11.5
830630	10.5	11.1	11.5
Monthly Value	8.0	11.5	14.0

3-A-17

Table 3-A-5. continued

July 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830701	11.0	11.3	11.5
830702	10.5	11.0	11.5
830703	11.0	11.6	12.5
830704	12.0	12.1	12.5
830705	11.0	11.8	12.5
830706	12.0	12.1	12.5
830707	11.0	11.3	12.0
830708	10.5	10.8	11.0
830709	10.0	10.6	11.0
830710	10.0	10.9	12.0
830711	11.0	11.5	12.0
830712	10.5	10.8	11.0
830713	10.0	10.5	11.0
830714	11.0	11.3	11.5
830715	11.0	11.5	12.0
830716	11.5	11.8	12.0
830717	11.0	11.2	11.5
830718	10.5	10.8	11.5
830719	10.5	10.8	11.5
830720	11.0	11.3	12.0
830721	11.5	11.7	12.0
830722	11.5	----	12.0
Monthly Value	10.0	11.3	12.5

3-A-18

Table 3-A-6. Ryan temperature recorder data summary,
 surface water temperature (C) at Mainstem
 Susitna River above Yentna River,
 RM 29.5, GC S17N06W07CAD, 1983.

May 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830523	8.5	---	9.0
830524	8.0	8.4	9.0
830525	8.0	8.8	9.5
830526	9.0	9.3	9.5
830527	8.5	8.7	9.0
830528	8.5	8.9	9.5
830529	9.5	9.7	10.0
830530	9.5	10.0	10.5
830531	10.0	10.3	10.5
Monthly Value	8.0	---	10.5

3-A-19

Table 3-A-6. continued

June 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830601	9.5	9.9	10.5
830602	9.5	9.5	9.5
830603	8.5	8.8	9.5
830604	7.5	8.1	8.5
830605	7.5	8.3	9.5
830606	9.0	9.9	11.0
830607	10.0	10.8	11.5
830608	11.0	11.5	12.0
830609	11.0	11.5	12.0
830610	10.5	11.0	11.5
830611	10.5	11.0	11.5
830612	10.5	11.1	11.5
830613	11.0	11.7	12.5
830614	11.5	12.0	12.5
830615	11.5	11.9	12.5
Monthly Value	7.5	----	12.5

3-A-20

Table 3-A-7. Ryan temperature recorder data summary,
 surface water temperature (C) at Mainstem
 Susitna River above Deshka River,
 RM 41.1, GC S19N06W26CBC, 1983.

June 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830615	11.5	---	12.5
830616	11.5	12.3	13.0
830617	11.5	12.7	13.5
830618	12.0	13.3	14.0
830619	13.0	13.5	14.0
830620	12.5	13.5	14.5
830621	13.0	14.0	15.0
830622	13.0	14.2	15.0
830623	13.5	14.1	14.5
830624	13.5	14.1	15.0
830625	13.0	13.8	14.5
830626	13.0	13.5	14.0
830627	12.0	12.6	13.0
830628	11.5	12.1	13.0
830629	11.0	11.9	12.5
830630	11.0	12.1	13.0
Monthly Value	11.0	---	15.0

3-A-20A

Table 3-A-7. continued

July 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830701	11.5	12.3	13.0
830702	11.0	11.8	12.5
830703	11.5	13.0	14.0
830704	12.5	12.8	13.0
830705	12.0	12.8	13.5
830706	12.5	13.0	13.5
830707	11.5	12.0	12.5
830708	11.5	11.8	12.0
830709	11.0	11.4	12.0
830710	11.0	12.2	13.0
830711	12.0	12.4	12.5
830712	11.5	11.8	12.0
830713	11.0	11.8	12.5
830714	11.5	12.4	13.0
830715	12.0	12.9	14.0
830716	12.0	12.7	13.0
830717	12.0	12.2	13.0
830718	11.0	11.6	12.0
830719	11.0	12.1	13.0
830720	11.5	12.8	13.5
830721	12.0	12.6	13.0
830722	12.0	12.5	13.0
830723	11.0	11.2	11.5
830724	10.0	10.3	11.0
830725	9.5	10.3	11.0
830726	10.0	10.8	11.5
830727	10.5	11.4	12.5
830728	11.0	12.5	13.5
830729	11.5	12.1	12.5
830730	11.5	12.1	12.5
830731	10.5	10.8	11.5
Monthly Value	9.5	12.0	14.0

3-A-21

Table 3-A-7. continued

August 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830801	10.0	10.7	11.5
830802	10.5	11.5	12.5
830803	11.0	11.8	12.5
830804	10.5	11.1	11.5
830805	9.5	10.0	10.5
830806	9.0	9.5	10.0
830807	9.0	9.3	9.5
830808	8.5	9.0	9.5
830809	8.5	9.0	9.5
830810	8.5	8.9	9.5
830811	8.5	9.0	9.5
830812	9.0	9.3	10.0
830813	9.0	9.2	9.5
830814	8.5	8.9	9.5
830815	8.0	8.5	9.0
830816	7.5	8.5	9.5
830817	9.0	9.2	9.5
830818	8.5	9.2	10.0
830819	9.0	9.7	10.5
830820	9.0	9.2	9.5
830821	8.5	8.5	8.5
830822	7.5	8.4	9.0
830823	8.5	8.7	9.0
830824	8.0	8.5	9.0
830825	7.5	7.8	8.5
830826	7.0	7.7	8.5
830827	8.0	8.6	9.5
830828	8.5	8.8	9.0
830829	8.5	8.5	9.0
830830	8.5	8.5	8.5
830831	8.0	8.5	8.5
Monthly Value	7.0	9.2	12.5

3-A-22

Table 3-A-7. continued

September 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830901	7.5	8.0	8.5
830902	7.5	8.1	9.0
830903	7.0	7.6	8.0
830904	6.5	6.9	7.5
830905	5.5	6.3	7.0
830906	6.0		7.5
830907	6.0	6.6	7.0
830908	6.5	6.8	7.0
830909	7.0	7.3	7.5
830910	7.0	7.7	8.5
830911	7.0	7.3	7.5
830912	7.5	7.9	8.5
830913	7.5	7.8	8.0
830914	7.0	7.1	7.5
830915	6.0	6.3	6.5
830916	5.5	6.0	6.5
830917	5.5	5.8	6.5
830918	5.0	5.3	5.5
830919	5.0	5.1	5.5
830920	5.0	5.3	5.5
830921	5.5	5.8	6.0
830922	6.0	6.5	7.0
830923	4.5	5.8	6.5
830924	2.0	3.1	4.0
830925	1.0	1.2	1.5
830926	0.0	.3	.5
830927	0.0	0.0	0.0
830928	0.0	.2	.5
830929	.5	.7	1.5
830930	1.5	2.6	3.5
Monthly Value	0.0	5.4	9.0

3-A-23

Table 3-A-7. continued

October 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
831001	3.5	3.5	3.5
831002	3.5	3.7	4.0
831003	3.0	3.4	3.5
831004	2.5	2.6	3.0
831005	2.0	2.3	2.5
831006	2.0	2.2	2.5
831007	1.0	-----	1.5
Monthly Value	1.0	-----	4.0

3-A-24

Table 3-A-8. Ryan temperature recorder data summary, surface water temperature (C) at Mainstem Susitna River at Parks Highway Bridge Site 3, RM 83.9, GC S24N05W15BAD, 1983.

May 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830525	9.8	---	10.3
830526	8.8	9.1	9.3
830527	8.3	8.6	8.8
830528	8.3	9.0	9.8
830529	9.3	9.6	9.8
830530	9.8	9.8	9.8
830531	8.8	9.1	9.8
Monthly Value	8.3	---	10.3

3-A-25

Table 3-A-8. continued

June 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830601	7.8	8.5	9.3
830602	8.3	8.9	9.3
830603	7.8	8.1	8.3
830604	7.3	7.3	7.3
830605	7.3	8.3	9.3
830606	8.8	9.7	10.8
830607	9.8	10.5	11.3
830608	9.8	10.8	11.8
830609	9.8	10.6	10.8
830610	9.3	10.0	10.8
830611	10.3	10.6	10.8
830612	9.8	10.6	11.3
830613	10.8	11.3	11.8
830614	10.8	11.3	12.0
830615	10.5	11.0	11.5
830616	10.5	11.0	12.0
830617	10.5	11.2	12.0
830618	11.0	11.9	13.0
830619	12.0	12.1	12.5
830620	11.5	11.9	12.5
830621	12.0	12.2	12.5
830622	12.5	12.6	13.0
830623	12.5	12.5	12.5
830624	12.0	12.4	13.0
830625	12.5	13.0	13.5
830626	12.5	13.0	13.5
830627	12.0	12.2	12.5
830628	11.5	11.8	12.0
830629	11.0	11.3	11.5
830630	10.5	11.2	12.0
Monthly Value	7.3	10.9	13.5

3-A-26

Table 3-A-8. continued

July 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830701	11.5	11.8	12.0
830702	11.0	11.5	12.5
830703	11.5	12.1	13.0
830704	12.0	12.5	13.0
830705	12.0	12.4	13.0
830706	11.5	12.7	13.0
830707	11.0	11.2	11.5
830708	11.0	11.0	11.0
830709	10.5	10.8	11.0
830710	11.0	11.5	12.0
830711	11.5	11.5	12.0
830712	11.0	11.0	11.0
830713	11.0	11.5	12.0
830714	11.0	11.5	12.0
830715	11.0	---	12.0
830716	11.5	11.9	12.5
830717	11.5	11.5	12.0
830718	11.0	11.3	11.5
830719	11.0	11.4	12.0
830720	11.0	11.8	12.5
830721	11.0	11.8	12.5
830722	11.5	12.0	12.5
830723	11.0	12.0	12.5
830724	10.5	11.0	11.5
830725	10.5	11.3	12.0
830726	11.5	11.6	12.0
830727	11.5	12.1	13.0
830728	12.0	12.7	13.5
830729	12.5	12.8	13.0
830730	11.5	12.2	13.0
830731	11.0	11.2	11.5
Monthly Value	10.5	11.7	13.5

3-A-27

Table 3-A-8. continued

August 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830801	11.0	11.5	12.0
830802	11.0	11.7	12.5
830803	11.5	12.0	12.5
830804	11.0	11.8	12.5
830805	10.5	10.6	11.0
830806	10.5	10.5	10.5
830807	10.0	10.4	10.5
830808	9.5	9.9	10.0
830809	9.5	10.0	10.5
830810	9.5	—	10.5
830811	10.0	10.3	10.5
830812	10.5	10.5	10.5
830813	10.0	10.0	10.0
830814	9.5	9.8	10.0
830815	8.5	8.8	9.5
830816	8.5	8.9	9.5
830817	9.0	9.3	9.5
830818	8.5	9.5	10.5
830819	9.0	9.8	10.5
830820	9.5	9.6	10.0
830821	9.0	9.3	9.5
830822	9.0	9.3	9.5
Monthly Value	8.5	10.2	12.5

3-A-28

Table 3-A-8. continued

September 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830910	7.5	---	8.5
830911	7.0	7.3	7.5
830912	7.5	7.7	8.0
830913	7.5	7.5	7.5
830914	6.5	7.0	7.5
830915	6.0	6.3	6.5
830916	5.5	5.9	6.5
830917	5.5	---	6.0
830918	5.0	5.6	6.5
830919	5.5	5.5	5.5
830920	5.5	6.0	6.0
830921	6.0	6.2	6.5
830922	6.5	6.8	7.0
830923	5.0	6.0	6.5
830924	2.5	3.5	4.5
830925	1.0	1.4	2.0
830926	1.0	1.0	1.0
830927	1.0	1.0	1.0
830928	1.0	1.0	1.0
830929	1.0	1.7	2.0
830930	2.0	2.9	3.5
Monthly Value	1.0	4.8	8.5

Table 3-A-8. continued

October 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
831001	3.5	4.1	4.5
831002	4.0	4.5	5.0
831003	3.5	3.7	4.5
831004	2.5	2.8	3.0
831005	2.5	2.5	2.5
831006	2.0	2.2	2.5
831007	1.0	1.5	2.0
831008	.5	.5	1.0
831009	.5	.5	.5
831010	1.0	1.0	1.0
831011	1.0	1.0	1.0
831012	1.0	-----	1.5
Monthly Value	.5	-----	5.0

3-A-30

Table 3-A-9. Ryan temperature recorder data summary,
 surface water temperature (C) at Mainstem
 Susitna River at Talkeetna Fishwheel Camp,
 RM 103.0, GC S27N05W26DDD, 1983.

May 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830518	4.9	---	5.4
830519	4.4	5.2	5.9
830520	5.4	6.9	8.4
830521	6.9	7.1	7.4
830522	6.4	7.2	7.9
830523	6.4	7.1	7.4
830524	6.4	7.6	8.9
830525	6.9	7.7	8.9
830526	6.9	8.2	9.4
830527	6.9	7.7	8.4
830528	6.9	8.2	9.4
830529	8.4	9.3	9.9
830530	9.4	---	9.9
830531	7.9	8.4	8.9
Monthly Value	4.4	---	9.9

3-A-31

Table 3-A-9. continued

June 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830601	7.4	8.5	9.9
830602	7.9	8.4	8.9
830603	6.9	8.0	8.4
830604	6.9	6.9	7.4
830605	6.9	7.9	8.9
830606	8.4	9.5	10.9
830607	9.9	10.7	11.4
830608	9.9	---	12.4
830618	12.0	---	13.5
830619	12.0	12.8	13.5
830620	12.0	12.6	13.5
830621	11.5	12.6	13.5
830622	12.5	13.2	14.0
830623	13.0	13.6	14.5
830624	12.5	13.3	14.0
830625	13.0	14.1	15.0
830626	14.0	14.3	14.5
830627	13.0	13.8	14.0
830628	12.0	12.5	13.0
830629	11.0	11.4	12.0
830630	11.0	12.3	13.5
Monthly Value	6.9	11.4	15.0

3-A-32

Table 3-A-9. continued

July 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830701	12.5	12.5	13.0
830702	12.0	13.2	14.5
830703	12.5	13.3	14.0
830704	13.0	13.2	13.5
830705	12.5	13.5	14.5
830706	13.5	13.7	14.0
830707	13.0	13.5	14.0
830708	12.0	12.6	13.0
830709	11.5	12.1	12.5
830710	12.0	12.5	13.0
830711	12.0	12.5	13.0
830712	12.0	12.3	12.5
830713	12.5	12.9	13.5
830714	12.0	12.9	13.5
830715	12.0	12.9	14.0
830716	12.0	13.1	14.0
830717	13.0	13.1	13.5
830718	12.5	12.8	13.5
830719	11.0	11.9	13.0
830720	11.5	12.0	12.5
830721	12.0	13.3	14.5
830722	12.0	13.3	14.5
830723	12.5	13.0	13.5
830724	11.5	12.3	13.0
830725	11.5	12.3	13.0
830726	12.0	12.6	13.0
830727	12.5	13.5	15.0
830728	13.0	14.1	15.5
830729	13.5	14.3	15.0
830730	13.0	13.8	14.5
830731	12.0	12.5	13.0
Monthly Value	11.0	13.0	15.5

Table 3-A-9. continued

August 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830801	11.5	12.3	13.0
830802	11.5	12.8	14.0
830803	12.0	12.8	14.0
830804	12.5	12.7	13.0
830805	12.0	12.0	12.5
830806	11.0	11.1	11.5
830807	10.5	10.7	11.0
830808	10.5	10.9	11.5
830809	10.5	10.9	11.5
830810	10.0	10.7	11.3
830811	10.3	10.8	11.3
830812	10.8	11.3	11.8
830813	10.8	11.1	11.3
830814	10.3	10.6	11.3
830815	8.8	9.3	9.8
830816	8.3	9.2	10.3
830817	9.3	9.7	10.3
830818	9.3	10.2	11.3
830819	9.3	10.4	11.3
830820	10.3	10.5	10.8
830821	9.8	10.0	10.3
830822	9.8	10.2	10.8
830823	9.3	9.6	9.8
830824	9.3	9.5	9.8
830825	8.3	8.8	9.3
830826	7.8	8.5	8.8
830827	8.3	8.9	9.8
830828	8.8	9.5	10.3
830829	9.3	9.6	9.8
830830	9.3	9.8	10.3
830831	9.3	9.4	9.8
Monthly Value	7.8	10.4	14.0

3-A-34

Table 3-A-9. continued

September 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830901	8.3	8.7	8.8
830902	8.3	8.6	9.3
830903	7.8	8.1	8.3
830904	6.8	7.3	7.8
830905	6.3	6.8	7.3
830906	5.8	6.6	7.3
830907	5.8	6.5	7.3
830908	6.3	6.8	7.3
830909	6.8	7.3	7.8
830910	6.8	7.4	7.8
830911	6.8	7.5	8.5
830912	6.5	7.0	7.5
830913	6.5	7.0	7.5
830914	6.0	6.2	7.0
830915	5.0	5.8	6.5
830916	4.5	5.4	6.0
830917	4.0	4.8	5.5
830918	3.5	4.3	5.0
830919	4.0	4.3	4.5
830920	4.5	4.8	5.0
830921	5.0	5.5	6.0
830922	6.0	6.0	6.0
830923	4.0	5.0	5.5
830924	1.5	2.5	3.5
830925	0.0	.2	1.0
830926	0.0	-----	0.0
Monthly Value	0.0	5.9	9.3

Table 3-A-10. Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Mainstem Susitna River at LRX 9 Site - 1, RM 103.2, GC S27N05W26ADD.

May 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830514	3.1	---	4.6	3.0	---	4.3
830515	2.5	3.2	3.9	2.4	3.1	3.8
830516	2.1	2.5	3.1	2.1	2.5	3.0
830517	.3	1.9	2.9	.2	1.8	3.0
830518	2.3	3.3	4.9	2.4	3.3	4.9
830519	3.6	4.6	5.6	3.6	4.6	5.6
830520	4.2	---	4.9	4.2	---	4.9
Monthly Value	.3	---	5.6	.2	---	5.6

Table 3-A-10. continued

June 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830629	9.4	—	9.7	11.3	—	12.1
830630	8.9	9.4	10.0	11.0	12.1	13.6
Monthly Value	8.9	—	10.0	11.0	—	13.6

3-A-37

Table 3-A-10. continued

July 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830701	9.0	9.4	9.9	12.0	12.5	13.2
830702	8.7	9.4	10.6	11.7	13.2	15.3
830703	9.4	10.0	10.6	12.4	13.5	14.9
830704	9.7	10.1	10.5	12.6	13.4	14.2
830705	9.3	9.9	10.6	12.4	13.6	15.0
830706	10.1	10.4	10.6	13.5	13.8	14.4
830707	10.1	10.5	11.0	13.1	13.6	14.2
830708	9.9	10.4	10.9	12.0	12.8	13.6
830709	9.3	9.6	10.0	11.3	12.3	13.4
830710	8.9	9.5	10.0	11.5	12.8	14.7
830711	8.5	9.0	9.7	11.0	12.3	13.6
830722	9.2	—	9.6	14.3	—	15.5
830723	8.9	9.2	9.6	12.9	13.5	14.4
830724	9.1	9.4	9.9	12.0	12.8	13.6
830725	9.3	9.6	10.0	11.9	12.8	13.9
830726	9.3	9.6	10.0	12.3	13.2	14.0
830727	9.2	9.7	10.5	12.6	14.0	15.9
830728	9.4	10.1	10.7	12.9	14.7	16.5
830729	9.4	10.1	10.6	13.1	14.9	16.5
830730	9.9	10.2	10.6	13.5	14.4	15.4
830731	9.5	9.9	10.2	12.5	13.1	13.6
Monthly Value	8.5	9.8	10.9	11.0	13.2	16.5

3-A-38

Table 3-A-10. continued

August 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830801	9.6	9.9	10.3	12.2	13.0	14.1
830802	9.5	10.1	10.7	12.0	13.3	14.9
830803	9.7	10.2	10.7	12.2	13.5	14.9
830804	9.9	10.2	10.6	13.0	13.4	14.2
830805	9.4	9.7	10.0	12.3	12.8	13.2
830806	8.9	9.2	9.7	11.3	11.8	12.6
830807	8.7	---	9.1	10.9	---	11.5
830809	---	---	---	10.9	11.5	12.1
830810	---	---	---	10.2	10.9	11.5
830811	---	---	---	10.3	11.0	11.7
830812	9.0	---	9.3	11.0	11.6	12.1
830813	8.7	9.0	9.3	9.0	11.2	11.7
830814	8.4	8.6	9.0	10.1	10.6	11.3
830815	7.6	8.0	8.7	8.8	9.5	10.5
830816	7.0	7.5	7.9	8.4	9.2	10.3
830817	7.5	7.7	8.0	9.3	9.9	10.7
830818	7.4	7.9	8.6	9.2	10.5	12.0
830819	7.5	---	8.5	9.5	10.7	12.1
830820	---	---	---	10.1	10.6	11.3
830821	---	---	---	9.7	10.1	10.6
830822	---	---	---	9.7	10.1	10.7
830823	---	---	---	9.3	9.7	10.2
830824	---	---	---	9.2	9.6	10.1
830825	---	---	---	8.4	8.8	9.4
830826	---	---	---	8.1	8.6	9.1
830827	7.4	---	7.7	8.2	8.9	9.8
830828	7.3	7.6	8.1	8.9	9.6	10.4
830829	7.6	7.8	8.1	9.5	9.9	10.3
830830	7.5	7.7	8.0	9.6	10.0	10.6
830831	7.5	7.7	8.0	9.2	9.6	10.2
Monthly Value	7.0	---	10.7	8.1	10.7	14.9

Table 3-A-10. continued

September 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830901	7.0	7.2	7.6	8.5	8.8	9.2
830902	6.6	6.9	7.3	7.9	8.6	9.3
830903	6.4	6.7	7.2	7.7	8.1	8.8
830904	5.8	6.1	6.7	6.8	7.4	8.0
830905	5.2	5.6	6.1	6.0	7.0	8.1
830906	4.7	5.3	5.7	5.3	6.7	8.4
830907	4.5	5.1	5.6	5.2	6.6	8.6
830908	4.7	5.1	5.6	5.8	6.9	8.9
830909	5.0	5.4	6.0	6.6	7.6	9.8
830910	5.3	—	6.0	5.2	—	9.8
830911	5.1	—	5.8	—	—	—
Monthly Value	4.5	—	7.6	5.2	—	9.8

3-A-40

Table 3-A-11. Datapod temperature recorder data summary,
 intragravel and surface water temperature (C),
 at Mainstem Susitna River at LRX 9 - Site 2,
 RM 103.2, GC S27N05W26ADD.

September 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830912	6.6	7.2	7.8	7.1	8.0	8.8
830913	6.7	7.0	7.4	7.2	7.8	8.5
830914	6.2	6.6	7.2	6.6	7.1	8.0
830915	5.6	6.1	6.6	5.9	6.7	7.6
830916	5.1	5.8	6.3	5.1	6.3	7.4
830917	4.6	5.4	5.9	4.5	5.8	6.8
830918	4.5	5.0	5.5	4.2	5.2	6.0
830919	4.6	4.9	5.2	4.6	5.2	5.7
830920	5.0	5.2	5.3	5.4	5.7	6.1
830921	5.2	5.5	6.0	5.7	6.3	7.2
830922	5.8	6.1	6.4	6.7	7.0	7.2
830923	4.9	5.5	6.3	5.2	6.1	7.1
830924	2.4	3.5	4.9	2.0	3.4	5.2
830925	.9	1.3	2.4	.4	.8	2.0
830926	.9	1.0	1.1	.4	.4	.5
830927	.8	1.0	1.0	.4	.5	.5
830928	.9	1.0	1.0	.4	.5	.6
830929	.8	.9	1.1	.4	.6	1.1
830930	1.1	1.7	2.6	1.1	2.2	3.5
Monthly Value	.8	4.2	7.8	.4	4.5	8.8

Table 3-A-11. continued

October 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
831001	2.6	3.0	3.2	3.4	3.7	4.0
831002	2.9	3.2	3.5	3.5	3.8	4.3
831003	2.5	2.9	3.4	2.7	3.3	4.0
831004	1.8	2.2	2.8	1.8	2.4	3.1
831005	1.6	1.9	2.2	1.6	1.9	2.4
831006	1.1	1.5	1.8	.6	1.5	2.3
831007	.8	1.1	1.6	.4	.8	1.6
831008	.9	1.0	1.1	.4	.5	.9
831009	1.1	1.2	1.2	.5	.5	.6
831010	.8	1.0	1.2	.4	.5	.6
831011	.5	.7	.8	.4	.5	.6
831012	.5	.7	1.1	.4	.8	1.5
831013	1.0	1.3	1.6	1.4	1.8	2.2
831014	.6	.9	1.2	.7	1.0	1.4
831015	.5	.6	.8	.4	.5	.9
831016	.5	.6	.6	.4	.5	.6
831017	.6	.6	.8	.4	.5	.9
831018	.7	.9	1.1	.4	.6	.9
831019	.7	.8	1.0	.4	.6	1.1
831020	.7	.7	.8	.3	.5	.6
831021	.8	.9	1.1	.4	.5	.6
831022	1.1	1.3	1.4	.4	---	.5
831023	1.1	1.2	1.3	---	---	---
831024	1.0	1.1	1.2	---	---	---
831025	.5	.7	1.1	---	---	---
831026	.3	.4	.5	---	---	---
831027	.3	.4	.5	---	---	---
831028	.2	.3	.4	---	---	---
831029	.3	.3	.4	---	---	---
831030	.3	.3	.4	---	---	---
831031	.4	.4	.5	---	---	---
Monthly Value	.2	1.1	3.5	.3	1.3	4.3

3-A-42

Table 3-A-12. Ryan temperature recorder data summary, surface water temperature (C) at Mainstem Susitna River at Curry Fishwheel Camp, RM 120.7, GC S29N04W10CBA, 1983.

June 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830619	13.1	---	13.6
830620	12.6	12.8	13.1
830621	12.6	12.9	13.1
830622	13.1	13.4	13.6
830623	13.1	13.5	13.6
830624	13.1	13.4	13.6
830625	13.6	14.1	14.6
830626	14.1	14.1	14.6
830627	12.6	13.5	14.1
830628	11.6	12.3	12.6
830629	11.1	11.5	11.6
830630	11.6	12.1	12.6
Monthly Value	11.1	---	14.6

Table 3-A-12. continued

July 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830701	12.6	12.6	12.6
830702	12.1	12.9	13.6
830703	12.6	13.0	13.6
830704	13.1	13.1	13.1
830705	12.6	13.1	13.6
830706	13.6	13.6	13.6
830707	13.1	13.3	13.6
830708	12.1	12.4	13.1
830709	12.1	12.2	12.6
830710	12.1	12.3	12.6
830711	12.1	12.3	12.6
830712	12.1	12.3	12.6
830713	12.6	12.6	12.6
830714	12.1	12.6	13.1
830715	12.1	12.6	13.1
830716	12.6	---	13.6
830717	13.3	13.3	13.3
830718	11.8	12.5	12.8
830719	10.8	11.3	11.8
830720	11.3	11.9	12.8
830721	12.3	12.9	13.8
830722	12.3	12.9	13.3
830723	12.3	12.6	12.8
830724	11.8	12.1	12.3
830725	11.8	12.3	12.8
830726	12.3	12.6	12.8
830727	12.3	13.1	13.8
830728	13.3	13.6	13.8
830729	13.3	14.0	14.3
830730	12.3	13.2	13.8
830731	11.8	12.3	12.3
Monthly Value	10.8	12.7	14.3

5-A-44

Table 3-A-12. continued

August 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830801	11.8	12.0	12.3
830802	11.8	12.3	12.8
830803	12.3	12.6	12.8
830804	12.3	12.7	12.8
830805	11.6	11.9	12.3
830806	10.6	10.7	11.1
830807	10.6	10.6	10.6
830808	10.6	10.7	11.1
830809	10.1	10.5	10.6
830810	9.1	9.8	10.1
830811	10.1	10.1	10.1
830812	10.1	10.6	10.6
830813	10.1	10.1	10.1
830814	9.1	9.7	10.1
830815	8.6	8.6	9.1
830816	8.1	8.6	9.1
830817	8.6	9.0	9.1
830818	9.1	9.5	10.1
830819	9.1	9.7	10.1
830820	9.6	9.9	10.1
830821	9.6	9.6	9.6
830822	9.1	9.5	9.6
830823	9.1	9.1	9.1
830824	9.1	9.1	9.1
830825	8.1	8.4	9.1
830826	7.6	8.1	8.6
830827	8.1	8.4	8.6
830828	8.6	8.9	9.1
830829	9.1	9.1	9.1
830830	9.1	9.1	9.1
830831	8.1	8.6	9.1
Monthly Value	7.6	9.9	12.8

3-A-45

Table 3-A-12. continued

September 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830901	8.1	8.1	8.1
830902	8.1	8.2	8.6
830903	7.1	7.6	7.6
830904	6.6	7.1	7.1
830905	6.1	6.4	6.6
830906	6.1	6.3	6.6
830907	5.6	6.1	6.6
830908	6.1	6.3	6.6
830909	6.6	6.9	7.6
830910	6.6	7.1	7.6
830911	6.6	7.1	7.6
830912	6.6	7.1	7.6
830913	6.6	7.0	7.6
830914	6.1	6.5	6.6
830915	5.5	6.2	6.6
830916	5.0	5.3	6.0
830917	4.0	4.8	5.5
830918	4.0	4.4	5.0
830919	4.0	4.3	4.5
830920	4.5	4.8	5.0
830921	5.0	5.5	6.0
830922	5.5	5.9	6.0
830923	3.5	4.9	5.5
830924	.5	1.9	3.0
830925	0.0	.0	.5
830926	0.0	0.0	0.0
830927	0.0	0.0	0.0
830928	0.0	0.0	0.0
830929	0.0	.2	.5
830930	1.0	2.1	5.5
Monthly Value	0.0	4.9	8.6

3-A-46

Table 3-A-12. continued

October 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
831001	2.5	2.7	3.0
831002	2.5	2.7	3.0
831003	2.0	2.3	2.5
831004	1.0	1.4	1.5
831005	0.0	.8	1.0
831006	0.0	.6	1.0
831007	0.0	0.0	0.0
831008	0.0	0.0	0.0
831009	0.0	0.0	0.0
831010	0.0	0.0	0.0
831011	0.0	---	0.0
Monthly Value	0.0	---	3.0

3-A-47

Table 3-A-13. Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Mainstem Susitna River at LRX 29, RM 126.1, GC S30N03W19DCA.

May 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830515	2.0	—	2.5	2.4	—	3.1
830516	1.5	2.0	2.6	.5	2.0	3.0
830517	1.2	1.6	2.4	.2	1.7	3.1
830518	2.0	2.5	3.6	2.0	3.1	4.6
830519	3.2	3.7	4.5	3.3	4.3	5.5
830520	4.3	4.8	5.9	4.6	5.9	7.5
830521	5.4	5.7	6.0	5.7	6.2	6.8
830522	5.3	5.8	6.5	5.4	6.3	7.7
830523	5.5	6.0	6.4	5.4	6.3	7.7
830524	5.7	6.2	7.1	5.7	6.8	8.4
830525	5.9	6.5	6.9	5.6	6.8	8.0
830526	6.3	6.8	7.2	6.4	7.2	8.5
830527	6.2	6.8	7.3	6.0	7.0	8.3
830528	6.3	7.0	7.8	6.2	7.5	9.0
830529	7.3	7.8	8.7	7.4	8.5	9.6
830530	8.1	8.5	8.9	8.1	8.6	9.4
830531	7.5	7.8	8.3	7.3	7.7	8.1
Monthly Value	1.2	—	8.9	.2	—	9.6

3-A-48

Table 3-A-13. continued

June 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830601	7.1	7.6	8.5	6.8	7.8	8.9
830602	7.4	7.8	8.3	7.2	7.8	8.4
830603	6.9	7.5	7.9	6.4	7.4	8.1
830604	6.3	6.5	6.9	6.0	6.4	6.8
830605	6.5	6.8	7.6	6.5	7.2	8.4
830606	7.6	8.2	9.3	7.9	8.8	10.1
830607	8.7	9.3	10.3	8.8	9.9	11.1
830608	9.3	9.8	10.3	9.2	10.0	11.1
830609	8.8	9.4	10.0	8.6	9.6	10.9
830610	8.4	9.1	9.8	7.9	9.1	10.6
830611	8.6	9.0	9.7	8.5	9.0	9.9
830612	8.8	9.5	10.6	8.7	9.9	11.5
830613	9.4	10.2	11.0	9.2	10.5	11.9
830614	9.9	10.5	11.2	9.8	10.8	11.9
830615	10.4	10.9	11.7	10.3	11.3	12.5
830616	10.4	11.1	12.0	10.3	11.3	12.7
830617	10.2	11.1	12.1	10.0	11.3	12.9
830618	10.8	11.6	12.8	10.7	12.0	13.6
830619	11.9	12.5	13.4	11.9	12.9	14.4
830620	11.8	12.5	13.3	11.7	12.7	13.8
830621	11.9	12.5	13.4	11.6	12.8	14.1
830622	12.5	13.1	13.8	12.4	13.5	14.8
830623	12.9	13.4	13.8	12.8	13.7	14.7
830624	12.6	13.1	13.9	12.3	13.5	14.8
830625	13.1	13.8	14.6	13.2	14.3	15.6
830626	13.7	14.0	14.4	13.8	14.3	15.2
830627	13.4	13.7	14.2	12.9	13.7	14.4
830628	12.1	12.6	13.4	11.7	12.4	13.3
830629	11.2	11.6	12.5	10.4	11.2	12.0
830630	11.2	11.6	12.6	11.1	12.1	13.9
Monthly Value	6.3	10.7	14.6	6.0	10.9	15.6

3-A-49

Table 3-A-13. continued

July 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830701	12.1	12.3	12.6	12.3	12.5	13.2
830702	12.1	12.5	13.2	12.2	13.1	14.5
830703	12.3	12.8	13.4	12.3	13.2	14.4
830704	12.6	12.8	13.3	12.7	13.2	13.6
830705	12.3	12.8	13.7	12.4	13.3	15.0
830706	13.2	13.4	13.7	13.3	13.8	14.5
830707	13.0	13.2	13.3	13.1	13.5	13.8
830708	12.1	12.7	13.2	11.8	12.4	13.4
830709	11.6	11.9	12.3	11.3	11.9	12.9
830710	11.7	12.1	12.7	11.6	12.5	13.6
830711	12.0	12.3	12.7	11.9	12.5	13.3
830712	11.9	12.2	12.6	11.8	12.4	13.6
830713	12.3	12.4	12.6	12.4	12.8	13.4
830714	12.0	12.5	12.9	11.9	12.9	14.0
830715	12.1	12.4	12.9	12.1	12.7	14.1
830716	12.2	12.6	13.1	12.2	13.2	14.2
830717	12.6	12.8	13.1	12.8	13.1	13.5
830718	12.1	12.5	12.8	12.0	12.7	13.6
830719	11.2	11.9	12.7	10.4	11.8	13.3
830720	11.5	11.9	12.5	11.2	12.1	13.9
830721	11.9	12.5	13.4	12.0	13.2	15.2
830722	12.2	12.7	13.4	11.9	13.2	14.7
830723	12.6	12.9	13.4	12.4	13.0	13.8
830724	11.9	12.2	12.6	11.7	12.3	12.9
830725	11.8	12.2	12.7	11.7	12.5	13.6
830726	12.2	12.5	12.8	12.2	12.9	13.7
830727	12.4	12.9	13.8	12.5	13.7	15.3
830728	12.9	13.5	14.2	13.0	14.1	15.7
830729	13.3	13.8	14.4	13.5	14.5	15.8
830730	13.1	13.7	14.4	12.8	13.7	14.9
830731	12.3	12.6	13.1	11.9	12.4	12.8
Monthly Value	11.2	12.6	14.4	10.4	12.9	15.8

Table 3-A-13. continued

August 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830801	11.8	12.2	12.6	11.5	12.3	13.7
830802	12.0	12.4	12.9	11.8	12.7	13.9
830803	12.0	12.5	13.2	11.8	12.9	14.4
830804	12.5	12.6	13.1	12.5	12.8	13.5
830805	11.9	12.1	12.6	11.5	12.0	12.6
830806	10.9	11.3	11.9	10.3	10.9	11.5
830807	10.7	10.8	11.1	10.5	10.6	11.0
830808	10.6	10.8	10.9	10.6	10.7	10.9
830809	10.4	10.6	10.9	10.3	10.7	11.3
830810	9.9	10.2	10.8	9.4	10.1	11.0
830811	10.0	10.2	10.5	9.9	10.3	11.1
830812	10.4	10.6	11.0	10.6	11.1	11.5
830813	10.3	10.5	10.9	10.1	10.5	11.0
830814	9.7	10.0	10.4	9.3	9.8	10.6
830815	8.7	9.1	9.9	8.0	8.6	9.4
830816	8.3	8.7	9.3	7.7	8.6	10.0
830817	8.8	9.1	9.6	8.6	9.3	10.3
830818	9.0	9.5	10.2	8.9	9.9	11.4
830819	9.1	9.7	10.2	8.7	9.9	11.4
830820	9.8	9.9	10.1	9.6	10.1	10.4
830821	9.3	9.5	9.8	9.2	9.6	10.1
830822	9.2	9.4	9.6	9.1	9.4	10.0
830823	8.8	9.1	9.4	8.6	9.0	9.5
830824	8.7	8.9	9.1	8.4	8.8	9.4
830825	8.1	8.4	8.8	7.5	8.1	8.8
830826	7.7	8.0	8.4	7.2	7.7	8.5
830827	7.9	8.1	8.6	7.7	8.3	9.3
830828	8.4	8.7	9.2	8.5	9.1	10.2
830829	8.9	9.0	9.1	9.0	9.3	9.5
830830	8.9	9.0	9.4	9.0	9.4	10.2
830831	8.7	8.9	9.3	8.5	8.9	9.4
Monthly Value	7.7	10.0	13.2	7.2	10.0	14.4

3-A-51

Table 3-A-13. continued

September 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830901	8.1	8.4	8.8	7.7	8.1	8.5
830902	7.7	8.0	8.3	7.4	8.0	8.8
830903	7.4	7.7	8.2	7.0	7.5	8.1
830904	6.8	7.1	7.7	6.1	6.7	7.4
830905	6.2	6.6	7.0	5.5	6.3	7.3
830906	5.9	6.3	6.8	5.1	5.9	7.1
830907	5.7	6.1	6.6	5.1	5.8	7.0
830908	5.9	6.2	6.7	5.5	6.2	7.2
830909	6.4	6.7	7.2	6.4	7.0	8.3
830910	6.7	6.9	7.3	6.6	7.1	8.3
830911	6.7	7.0	7.5	6.5	7.3	8.4
830912	6.7	7.1	7.4	6.4	7.2	8.2
830913	6.7	7.0	7.3	6.5	7.1	8.1
830914	6.4	6.7	7.2	5.5	6.2	7.2
830915	5.9	6.3	6.7	5.2	5.9	7.1
830916	5.2	5.7	6.3	4.5	5.5	6.7
830917	4.8	5.3	5.8	4.0	5.0	6.3
830918	4.6	5.1	5.6	3.6	4.5	5.5
830919	4.6	4.9	5.3	3.6	4.5	5.4
830920	5.0	5.2	5.3	4.7	5.1	5.4
830921	5.3	5.7	6.2	5.3	5.9	6.7
830922	6.0	6.2	6.6	6.0	6.3	6.8
830923	4.4	5.3	6.1	3.8	5.3	6.0
830924	2.2	2.9	4.3	.8	2.2	3.8
830925	1.3	1.6	2.3	0.0	.1	.8
830926	1.2	1.3	1.4	-.1	.0	.1
830927	1.1	1.2	1.3	-.1	.0	.1
830928	1.1	1.2	1.2	0.0	.0	.1
830929	1.0	1.1	1.4	0.0	.3	.9
830930	1.4	1.9	2.6	.9	2.0	3.3
Monthly Value	1.0	5.3	8.8	-.1	5.0	8.8

3-A-52

Table 3-A-13. continued

October 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
831001	2.6	2.9	3.2	2.9	3.2	3.6
831002	2.9	3.1	3.4	2.7	3.2	3.9
831003	2.7	3.0	3.3	2.1	2.6	3.2
831004	2.1	2.4	2.9	1.1	1.6	2.2
831005	1.8	2.0	2.4	.4	1.0	1.5
831006	1.5	1.7	1.9	.1	.8	1.8
831007	1.2	1.4	1.9	-.1	.1	.9
831008	1.1	1.2	1.3	-.1	.0	.2
831009	1.0	1.1	1.2	0.0	0.0	0.0
831010	.9	1.0	1.1	0.0	0.0	0.0
831011	.8	.8	.9	0.0	.1	.3
831012	.7	.9	1.2	0.0	.5	1.2
831013	1.2	1.3	1.5	.7	1.1	1.3
831014	.9	1.1	1.4	0.0	.4	1.0
831015	.7	.9	1.0	0.0	.1	.5
831016	.7	.8	.9	0.0	.0	.2
831017	.7	.8	.9	0.0	0.0	.1
831018	.8	.9	1.0	0.0	.1	.3
831019	.7	.8	.9	0.0	.1	.4
831020	.7	.8	.9	0.0	.0	.2
831021	.7	.8	.9	0.0	.1	.3
831022	.7	.8	.9	-.1	.1	.2
831023	.7	.8	.9	-.1	.0	.2
831024	.7	.9	1.0	-.1	.0	.2
831025	.9	.0	1.1	0.0	.0	.3
831026	.9	1.0	1.1	0.0	.1	.3
831027	.9	1.0	1.1	0.0	----	.1
831028	.8	.9	1.0	----	----	----
831029	.7	.8	.9	----	----	----
831030	.7	.8	.8	----	----	----
831031	.7	.7	.8	----	----	----
Monthly Value	.7	1.2	3.4	-.1	.6	3.9

3-A-53

Table 3-A-14. Datapod temperature recorder data summary, surface water temperature (C) at Mainstem Susitna River below Gold Creek, RM 135.8, GC S31N02W0BAC.

June 1983			
Date	Surface Water Temperature (C)		
	min	mean	max
830605	8.5	-----	9.5
830606	9.0	9.7	10.5
830607	9.5	10.2	11.0
830608	10.0	10.0	10.5
830609	9.0	9.6	10.0
830610	8.5	9.2	10.0
830611	8.5	9.3	10.0
830612	9.5	10.2	11.0
830613	9.5	10.4	11.0
830614	10.5	10.9	11.5
830615	10.5	11.2	11.5
830616	10.5	11.1	11.5
830617	10.5	11.2	12.0
830618	11.0	12.1	13.0
830619	12.0	12.6	13.0
830620	11.5	12.3	13.0
830621	12.0	12.7	13.5
830622	12.5	13.3	14.0
830623	13.0	13.2	13.5
830624	12.5	13.5	14.5
830625	13.0	14.0	15.0
830626	13.5	14.2	14.5
830627	12.0	13.3	14.5
830628	11.5	11.9	12.5
830629	10.5	11.3	12.0
830630	11.5	12.3	13.0
Monthly Value	8.5	11.6	15.0

3-A-54

Table 3-A-14. continued

July 1983			
Date	Surface Water Temperature (C)		
	min	mean	max
830701	12.5	12.8	13.0
830702	13.0	13.0	13.0
830703	12.5	13.1	13.5
830704	13.0	13.1	13.5
830705	12.5	13.3	14.5
830706	13.5	13.9	14.0
830707	13.0	13.3	14.0
830708	12.0	12.3	13.0
830709	12.0	12.2	12.5
830710	12.0	12.5	13.0
830711	12.0	12.7	13.0
830712	12.0	12.8	13.5
830713	13.0	13.1	13.5
830714	12.5	12.9	13.0
830715	12.0	12.8	13.0
830716	13.0	13.3	13.5
830717	13.0	13.4	13.5
830718	11.5	12.3	13.0
830719	11.0	11.5	12.0
830720	12.0	12.5	13.0
830721	13.0	13.2	13.5
830722	12.5	13.2	14.0
830723	12.5	13.2	14.0
830724	12.5	12.5	13.0
830725	12.5	12.8	13.5
830726	13.0	13.1	13.5
830727	13.5	13.9	14.5
830728	13.5	14.2	14.5
830729	14.5	14.7	15.0
830730	12.5	13.4	14.5
830731	12.0	12.4	12.5
Monthly Value	11.0	13.0	15.0

3-A-55

Table 3-A-14. continued

August 1983			
Date	Surface Water Temperature (C)		
	min	mean	max
830801	11.5	12.4	13.0
830802	12.5	12.9	13.0
830803	12.5	13.1	13.5
830804	12.5	13.0	13.5
830805	11.5	12.1	12.5
830806	10.5	10.9	11.5
830807	11.0	11.2	11.5
830808	11.0	11.1	11.5
830809	10.5	10.8	11.0
830810	9.5	10.2	11.0
Monthly Value	9.5	-----	13.5

Table 3-A-15. Ryan temperature recorder data summary,
 surface water temperature (C) at Mainstem
 Susitna River at Gold Creek Bridge,
 RM 136.6, GC S31N02W20BAC, 1983.

May 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830530	5.0	----	5.5
830531	4.5	4.8	5.0
Monthly Value	4.5	----	5.5

Table 3-A-15. continued

June 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830601	4.5	5.0	5.5
830602	4.5	4.8	5.0
830603	4.5	4.9	5.0
830604	4.5	5.1	5.5
830605	5.0	5.7	6.5
830606	5.5	6.6	7.5
830607	6.0	6.8	7.5
830608	6.5	7.0	7.5
830609	6.0	6.9	7.5
830610	6.0	6.7	7.5
830611	6.5	6.9	7.5
830612	6.5	7.5	8.5
830613	7.0	7.8	8.5
830614	7.5	8.1	9.0
830615	7.5	8.2	9.0
830616	7.5	8.5	9.5
830617	8.0	9.1	10.0
830618	9.0	10.0	11.0
830619	10.0	10.6	11.5
830620	9.5	10.4	11.5
830621	10.0	11.0	12.0
830622	10.5	11.6	13.0
830623	11.0	11.7	12.5
830624	11.0	11.8	12.5
830625	11.5	12.5	13.5
830626	12.0	12.3	12.5
830627	10.5	11.6	12.0
830628	10.0	10.6	11.0
830629	9.0	9.8	10.0
830630	9.5	10.6	11.5
Monthly Value	4.5	8.7	13.5

3-A-58

Table 3-A-15. continued

July 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830701	10.3	10.8	11.0
830702	10.3	10.8	11.3
830703	10.3	11.3	12.3
830704	10.8	11.3	11.8
830705	10.8	11.8	13.3
830706	11.8	12.1	12.3
830707	11.3	11.8	12.3
830708	10.3	10.6	11.3
830709	9.8	10.5	11.3
830710	9.8	10.8	11.8
830711	10.3	10.8	11.3
830712	10.3	10.9	11.8
830713	10.3	10.9	11.3
830714	9.8	10.4	10.8
830715	10.3	11.0	12.3
830716	10.8	11.5	12.3
830717	10.8	11.3	11.8
830718	9.8	10.6	11.3
830719	9.3	10.2	11.3
830720	10.3	10.9	12.3
830721	10.8	11.5	12.8
830722	10.3	11.6	12.8
830723	10.3	11.2	11.8
830724	10.3	10.8	11.3
830725	10.3	11.1	11.8
830726	10.8	11.2	11.8
830727	11.3	12.1	13.3
830728	11.3	12.3	13.3
830729	12.3	13.0	14.3
830730	10.8	11.8	12.3
830731	10.8	10.9	11.3
Monthly Value	9.3	11.2	14.3

3-A-59

Table 3-A-15. continued

August 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830801	10.3	11.1	11.8
830802	10.8	11.4	11.8
830803	10.8	11.7	12.8
830804	10.8	11.4	11.8
830805	9.8	10.6	10.8
830806	9.3	9.6	9.8
830807	9.8	9.8	10.3
830808	9.3	9.4	9.8
830809	8.8	9.3	9.8
830810	8.3	---	9.3
Monthly Value	8.3	---	12.8

3-A-60

Table 3-A-15. continued

September 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830915	4.6	----	5.6
830916	4.1	4.4	5.1
830917	3.6	4.0	4.6
830918	3.1	3.8	4.6
830919	3.1	4.0	4.6
830920	4.1	4.4	4.6
830921	4.6	5.1	5.6
830922	4.6	5.2	5.6
830923	2.6	3.9	4.6
830924	.1	1.3	2.1
830925	.1	.1	.1
830926	.1	.1	.1
830927	.1	.1	.1
830928	.1	.1	.1
830929	.1	.7	1.1
830930	1.1	2.0	2.6
Monthly Value	.1	----	5.6

Table 3-A-15. continued

October 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
831001	2.1	2.5	2.6
831002	2.1	2.4	3.1
831003	1.1	1.7	2.1
831004	.6	.9	1.1
831005	.6	.9	1.1
831006	.1	.6	1.1
831007	.1	.1	.1
831008	.1	.1	.1
831009	.1	.1	.1
831010	.1	.1	.1
831011	.1	---	.1
Monthly Value	.1	---	3.1

3-A-62

Table 3-A-16. Ryan temperature recorder data summary, surface water temperature (C) at Mainstem Susitna River above Gold Creek, RM 136.8, GC S31N02W17CDD, 1983.

May 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830530	7.5	---	8.0
830531	6.5	6.9	7.5
Monthly Value	6.5	---	8.0

3-A-63

Table 3-A-16. continued

June 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830601	6.5	7.3	8.0
830602	7.0	7.3	7.5
830603	6.0	6.4	7.0
830604	6.0	6.3	6.5
830605	6.5	7.0	8.0
830606	7.5	8.3	9.0
830607	7.5	8.7	9.5
830608	8.0	8.8	9.0
830609	8.0	8.5	9.0
830610	7.5	8.3	9.0
830611	8.0	8.3	8.5
830612	8.0	9.3	10.5
830613	8.5	9.4	10.0
830614	9.0	9.7	10.5
830615	9.5	9.7	10.0
830616	9.0	9.9	10.5
830617	9.0	10.0	11.0
830618	9.5	10.8	12.0
830619	10.5	11.3	12.0
830620	9.5	10.9	12.0
830621	10.5	11.5	12.5
830622	11.0	12.0	13.0
830623	11.5	12.0	12.5
830624	11.0	12.0	13.0
830625	11.5	12.8	14.0
830626	12.5	12.9	13.5
830627	11.0	12.0	13.0
830628	10.5	11.1	11.5
830629	10.0	10.5	11.0
830630	10.0	11.4	12.5
Monthly Value	6.0	9.8	14.0

3-A-64

Table 3-A-16. continued

July 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830701	11.3	11.5	12.0
830702	11.8	11.9	12.3
830703	11.3	12.2	12.8
830704	11.8	12.3	12.8
830705	11.8	12.6	13.3
830706	12.8	12.9	13.3
830707	12.3	12.5	12.8
830708	11.3	11.6	12.3
830709	11.3	11.5	11.8
830710	11.3	11.8	12.3
830711	11.3	11.9	12.3
830712	11.8	12.0	12.3
830713	11.8	12.2	12.3
830714	11.8	12.0	12.3
830715	11.3	12.1	12.8
830716	11.8	12.5	12.8
830717	11.8	12.3	12.8
830718	11.3	11.6	11.8
830719	10.3	11.0	11.8
830720	11.3	12.0	12.8
830721	11.8	12.5	13.3
830722	11.3	12.3	13.3
830723	11.3	12.0	12.8
830724	11.3	11.5	11.8
830725	11.3	11.6	11.8
830726	11.3	11.8	12.3
830727	11.8	12.6	13.3
830728	12.3	13.1	13.8
830729	12.8	13.7	14.3
830730	11.8	12.4	13.3
830731	11.3	11.6	11.8
Monthly Value	10.3	12.1	14.3

3-A-65

Table 3-A-16. continued

August 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830801	10.8	11.5	11.8
830802	11.3	11.8	12.3
830803	11.3	12.0	12.8
830804	11.3	11.9	12.3
830805	10.3	11.1	11.3
830806	9.8	10.2	10.3
830807	9.8	10.2	10.3
830808	9.8	10.0	10.3
830809	9.8	9.8	10.3
830810	8.8	9.4	9.8
830811	8.8	9.6	10.3
830812	9.8	9.9	10.3
830813	8.8	9.2	9.3
830814	8.3	8.7	9.3
830815	7.8	7.8	7.8
830816	7.3	8.1	8.8
830817	7.8	8.4	8.8
830818	8.3	8.9	9.8
830819	8.3	8.9	9.8
830820	8.8	9.1	9.3
830821	8.3	8.6	8.8
830822	8.3	8.5	8.8
830823	7.8	8.2	8.3
830824	7.8	7.9	8.3
830825	6.8	7.2	7.3
830826	6.8	7.2	7.8
830827	6.8	7.7	8.3
830828	7.8	8.4	8.8
830829	8.3	8.4	8.8
830830	7.8	8.3	8.8
830831	7.3	7.8	7.8
Monthly Value	6.8	9.2	12.8

3-A-66

Table 3-A-16. continued

September 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830901	7.3	7.4	7.8
830902	6.8	7.2	7.8
830903	6.3	6.6	7.3
830904	5.8	6.0	6.3
830905	5.3	5.7	6.3
830906	4.8	5.5	6.3
830907	4.8	5.4	5.8
830908	5.3	5.8	6.3
830909	5.8	6.4	6.8
830910	6.3	6.6	7.3
830911	6.3	6.6	7.3
830912	6.3	6.6	7.3
830913	6.3	6.4	6.8
830914	5.8	5.8	6.3
830915	5.3	5.6	6.3
830916	4.6	5.0	5.3
830917	3.6	4.2	5.1
830918	3.6	4.0	4.6
830919	3.6	4.0	4.6
830920	4.1	4.3	4.6
830921	4.6	5.1	5.6
830922	4.6	5.4	5.6
830923	3.1	4.2	4.6
830924	.6	1.6	2.6
830925	.1	.1	.1
830926	.1	----	.1
Monthly Value	.1	5.2	7.8

3-A-67

Table 3-A-17. Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Mainstem Susitna River at LRX 57, Site 1, RM 142.3, GC S32N02W36CBA.

May 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830531	8.7	9.4	10.0	----	----	----
Monthly Value	8.7	-----	10.0	----	----	----

3-A-68

Table 3-A-17. continued

June 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830601	8.3	8.7	9.5	----	----	----
830602	8.1	8.2	8.4	----	----	----
830603	7.9	8.3	8.6	----	----	----
830604	7.1	7.4	8.0	----	----	----
830605	6.9	7.0	7.2	----	----	----
830606	7.2	7.5	8.0	----	----	----
830607	8.0	8.3	8.5	----	----	----
830608	8.4	8.6	8.7	----	----	----
830609	8.3	8.4	8.6	----	----	----
830610	7.9	8.1	8.3	----	----	----
830611	8.1	8.3	8.6	----	----	----
830612	8.5	9.0	9.7	----	----	----
830613	9.5	10.1	10.5	----	----	----
830614	10.4	10.8	11.1	----	----	----
830615	11.1	11.5	11.7	----	----	----
830616	11.6	11.8	11.9	----	----	----
830617	11.7	11.9	12.1	----	----	----
830618	12.0	12.2	12.4	----	----	----
830619	12.4	12.7	12.9	----	----	----
830620	12.7	12.9	13.1	----	----	----
830621	12.9	13.0	13.2	----	----	----
830622	13.2	13.4	13.6	----	----	----
830623	13.6	13.7	13.8	----	----	----
830624	13.5	13.7	13.9	----	----	----
830625	13.8	14.0	14.3	----	----	----
830626	14.2	14.4	14.6	----	----	----
830627	14.2	14.5	14.8	----	----	----
830628	13.4	13.7	14.2	----	----	----
830629	12.7	13.0	13.4	----	----	----
830630	12.8	13.0	13.2	----	----	----
Monthly Value	6.9	10.9	14.8	----	----	----

3-A-69

Table 3-A-17. continued

July 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830701	13.2	13.5	13.6	----	----	----
830702	13.6	13.9	14.1	----	----	----
830703	14.0	14.1	14.2	----	----	----
830704	14.1	14.2	14.3	----	----	----
830705	14.0	14.1	14.4	----	----	----
830706	14.4	14.8	14.9	----	----	----
830707	14.5	14.8	15.0	----	----	----
830708	13.7	14.1	14.6	----	----	----
830709	13.5	13.6	13.8	----	----	----
830710	13.5	13.6	13.7	----	----	----
830711	13.6	13.8	13.9	----	----	----
830712	13.6	13.8	13.9	----	----	----
830713	13.9	14.1	14.2	----	----	----
830714	13.9	14.1	14.3	----	----	----
830715	13.8	14.0	14.1	----	----	----
830716	13.9	14.2	14.3	----	----	----
830717	14.3	14.5	14.6	----	----	----
830718	13.8	14.2	14.6	----	----	----
830719	13.2	13.5	13.9	----	----	----
830720	13.4	13.6	13.9	----	----	----
830721	13.8	14.2	14.4	----	----	----
830722	14.2	14.4	14.6	----	----	----
830723	14.6	14.8	14.9	----	----	----
830724	14.2	14.4	14.6	----	----	----
830725	14.1	14.3	14.4	----	----	----
830726	14.2	14.5	14.7	----	----	----
830727	14.6	14.8	15.2	----	----	----
830728	15.0	15.3	15.4	----	----	----
830729	15.4	15.7	15.9	----	----	----
830730	15.2	15.6	15.9	----	----	----
830731	14.6	14.9	15.2	----	----	----
Monthly Value	13.2	14.3	15.9	----	----	----

3-A-70

Table 3-A-17. continued

August 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830801	14.2	14.5	14.7	----	----	----
830802	14.4	14.6	14.8	----	----	----
830803	14.4	14.6	14.8	----	----	----
830804	14.7	14.9	15.0	11.7	----	12.2
830805	14.3	14.6	14.8	10.8	11.4	11.8
830806	13.5	13.9	14.3	9.6	10.0	10.7
830807	13.5	13.7	13.7	10.0	10.4	10.7
830808	13.4	13.6	13.7	10.3	10.6	10.9
830809	12.8	13.1	13.4	10.0	10.3	10.6
830810	12.3	12.6	12.9	9.1	9.6	10.3
830811	12.4	12.6	12.8	9.6	10.1	10.9
830812	12.6	13.0	13.1	10.6	11.0	11.5
830813	12.8	13.0	13.1	10.1	10.4	10.7
830814	12.3	12.6	12.9	9.0	9.4	10.1
830815	11.4	11.8	12.4	7.7	8.2	9.0
830816	11.1	11.3	11.5	7.7	8.2	9.3
830817	11.5	11.7	11.8	8.5	9.0	9.6
830818	11.8	12.1	12.2	9.0	9.6	10.0
830819	12.2	12.3	12.4	9.2	9.7	10.4
830820	12.4	12.7	12.8	9.6	10.1	10.7
830821	12.5	----	12.7	9.3	----	9.7
830823	8.7	8.9	9.0	8.5	8.7	8.9
830824	8.5	8.8	9.0	8.2	8.5	8.8
830825	7.9	8.2	8.6	7.4	7.7	8.4
830826	7.2	7.6	8.0	6.6	7.2	7.8
830827	7.8	8.0	8.5	7.4	7.8	8.7
830828	8.5	8.7	9.1	8.2	8.8	9.4
830829	9.1	9.3	9.4	8.9	9.1	9.6
830830	9.2	9.2	9.3	8.8	9.0	9.1
830831	8.8	9.1	9.4	8.1	8.5	9.0
Monthly Value	7.2	11.7	15.0	6.6	9.4	12.2

3-A-71

Table 3-A-17. continued

September 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830901	8.2	8.5	8.8	7.3	7.7	8.1
830902	8.2	8.3	8.4	7.4	7.6	7.9
830903	7.7	8.1	8.5	6.7	7.1	7.8
830904	7.2	7.5	7.8	5.8	6.4	6.8
830905	6.9	7.1	7.3	5.6	5.9	6.3
830906	6.7	6.9	7.0	5.2	5.6	5.9
830907	6.6	6.7	6.9	5.2	5.4	5.6
830908	6.7	7.0	7.5	5.2	5.9	6.4
830909	7.4	—	7.5	6.3	—	6.4
Monthly Value	6.6	—	8.8	5.2	—	8.1

3-A-72

Table 3-A-18. Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Mainstem Susitna River at LRX 57 - Site 2, RM 142.3, GC S32N02W36CBA.

September 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830913	7.6	7.7	8.0	6.5	6.6	6.8
830914	6.6	7.1	7.7	5.4	5.9	6.6
830915	6.4	6.7	7.1	5.2	5.5	5.9
830916	6.0	6.4	6.9	4.7	5.1	5.7
830917	5.7	6.0	6.2	4.4	4.6	4.9
830918	5.3	5.5	5.8	3.9	4.2	4.5
830919	5.2	5.5	6.0	3.8	4.2	4.6
830920	5.8	6.1	6.7	4.4	4.7	5.3
830921	6.7	7.1	7.5	5.2	5.6	6.0
830922	7.3	7.5	7.6	5.8	6.0	6.1
830923	5.3	6.6	7.5	3.7	5.0	5.9
830924	2.3	3.7	5.4	.6	2.1	3.7
830925	1.6	1.7	2.4	-.1	.1	.6
830926	1.6	1.6	1.7	-.1	-.0	0.0
830927	1.7	1.7	1.8	-.1	0.0	0.0
830928	1.7	1.8	1.8	0.0	0.0	0.0
830929	1.7	2.2	2.9	-.1	.4	1.1
830930	2.9	3.4	4.1	1.0	1.6	2.3
Monthly Value	1.6	---	8.0	-.1	---	6.8

Table 3-A-18. continued

October 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
831001	4.0	4.3	4.5	2.3	2.4	2.7
831002	4.2	4.4	4.7	2.4	2.6	2.8
831003	3.8	4.2	4.7	1.9	2.2	2.8
831004	2.7	3.2	3.8	.7	1.2	1.9
831005	2.2	2.5	2.7	.1	.5	.7
831006	2.2	2.6	2.9	.1	.5	.9
831007	2.1	2.2	2.6	-.1	.1	.6
831008	2.2	2.3	2.4	-.1	0.0	.1
831009	2.3	2.4	2.4	0.0	.0	.1
831010	2.3	2.4	2.4	-.1	0.0	.1
831011	2.3	2.3	2.4	-.1	0.0	0.0
831012	2.4	2.9	3.5	0.0	.6	1.2
831013	2.5	3.2	3.5	.1	.9	1.2
831014	2.4	2.7	3.4	-.1	.3	1.0
831015	2.4	2.4	2.5	-.1	0.0	.1
831016	2.4	2.5	2.6	-.1	0.0	.1
831017	2.5	2.6	2.8	-.1	0.0	.1
831018	2.6	2.6	2.8	-.1	0.0	0.0
831019	2.6	2.7	2.9	-.1	.0	.2
831020	2.6	2.7	2.8	-.1	.0	.1
831021	2.7	2.8	3.0	0.0	.0	.1
831022	2.9	3.0	3.0	0.0	.1	.2
831023	2.9	3.0	3.2	0.0	.1	.3
831024	3.2	3.6	3.9	.1	---	.4
831025	3.2	3.6	3.9	---	---	---
831026	3.5	3.7	4.0	---	---	---
831027	2.8	3.2	3.8	---	---	---
831028	3.3	3.6	4.0	---	---	---
831029	3.0	3.4	4.0	---	---	---
831030	3.5	3.7	3.9	---	---	---
831031	3.7	3.8	4.1	---	---	---
Monthly Value	2.1	3.0	4.7	-.1	.5	2.8

3-A-74

Table 3-A-19. Ryan temperature recorder data summary,
 surface water temperature (C) at Mainstem
 Susitna River at Devil Canyon, RM 150.0,
 GC S32N01E31CBD, 1983.

July 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830702	12.5	----	12.5
830703	11.5	12.1	12.5
830704	12.0	12.0	12.5
830705	11.5	12.2	13.0
830706	13.0	13.1	13.5
830707	12.0	12.3	13.0
830708	11.0	11.2	12.0
830709	11.0	11.2	11.5
830710	10.5	11.1	11.5
830711	10.5	11.2	11.5
830712	10.5	11.4	12.0
830713	11.5	11.8	12.0
830714	11.5	11.7	12.0
830715	11.0	11.5	12.0
830716	11.5	12.0	12.5
830717	11.5	12.0	12.5
830718	10.5	11.0	11.5
830719	9.5	10.2	11.0
830720	10.5	11.0	12.0
830721	11.5	11.8	12.0
830722	11.0	11.8	12.5
830723	11.5	11.8	12.5
830724	11.0	11.4	12.0
830725	11.0	11.5	12.0
830726	11.5	11.8	12.0
830727	12.0	12.4	13.0
830728	12.0	12.7	13.5
830729	12.5	13.2	13.5
830730	11.5	12.0	13.0
830731	11.0	11.0	11.5
Monthly Value	9.5	11.7	13.5

3-A-75

Table 3-A-19. continued

August 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830801	10.5	11.0	12.0
830802	11.0	11.4	12.0
830803	11.0	11.5	12.0
830804	11.0	11.5	12.0
830805	10.5	11.0	11.5
830806	9.5	9.8	10.5
830807	10.0	10.3	10.5
830808	10.0	10.1	10.5
830809	10.0	10.0	10.0
830810	9.0	9.5	10.0
830811	9.5	10.0	11.0
830812	10.5	10.6	11.0
830813	10.0	10.1	10.5
830814	9.0	9.1	9.5
830815	8.0	8.1	8.5
830816	7.5	8.2	9.0
830817	8.0	8.8	9.5
830818	8.5	9.1	9.5
830819	8.5	9.2	10.0
830820	9.0	9.5	10.0
830821	9.0	9.0	9.0
830822	8.5	8.7	9.0
830823	8.5	8.7	9.0
830824	8.0	8.4	8.5
830825	7.5	7.6	8.0
830826	6.5	7.1	7.5
830827	7.0	7.8	8.5
830828	8.0	8.6	9.5
830829	8.5	8.8	9.5
830830	8.5	8.7	9.0
830831	8.0	8.2	8.5
Monthly Value	6.5	9.4	12.0

3-A-76

Table 3-A-19. continued

September 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830901	7.5	7.6	8.0
830902	7.5	7.6	8.0
830903	6.5	7.0	7.5
830904	6.0	6.3	7.0
830905	5.5	5.8	6.5
830906	5.0	5.5	6.0
830907	5.0	5.2	5.5
830908	5.5	5.7	6.0
830909	6.0	6.0	6.0
830910	6.0	6.0	6.5
830911	6.0	6.3	6.5
830912	6.0	6.1	6.5
830913	6.0	6.2	6.5
830914	5.5	5.6	6.0
830915	5.0	5.4	5.5
830916	4.0	4.6	5.0
830917	4.0	4.2	4.5
830918	3.5	3.7	4.0
830919	3.5	3.7	4.0
830920	4.0	4.2	4.5
830921	4.5	4.8	5.0
830922	5.0	5.0	5.0
830923	3.5	4.2	5.0
830924	.5	1.5	3.0
830925	0.0	0.0	0.0
830926	0.0	0.0	0.0
830927	0.0	0.0	0.0
830928	0.0	0.0	0.0
830929	0.0	.3	1.0
830930	.5	1.1	1.5
Monthly Value	0.0	4.3	8.0

3-A-77

Table 3-A-19. continued

October 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
831001	1.5	1.5	1.5
831002	1.5	1.7	2.0
831003	1.5	1.6	2.0
831004	.5	.7	1.0
831005	.5	---	.5
Monthly Value	.5	---	2.0

3-A-78

Table 3-A-20. Ryan temperature recorder data summary,
 surface water temperature (C) at Mainstem
 Susitna River above Tsusena, RM 181.9,
 GC S32N04E36ADA, 1983.

May 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830526	6.9	---	7.4
830527	6.4	6.9	7.4
830528	6.9	7.9	9.4
830529	8.4	8.8	9.4
830530	7.9	8.4	8.9
830531	7.9	8.1	8.4
Monthly Value	6.4	---	9.4

3-A-79

Table 3-A-20. continued

June 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830601	6.9	7.7	8.4
830602	8.4	8.4	8.4
830603	6.4	6.9	7.9
830604	6.4	6.6	6.9
830605	6.9	7.9	8.9
830606	8.4	9.4	10.4
830607	9.4	10.0	10.9
830608	8.9	9.6	9.9
830609	8.4	9.0	9.4
830610	7.9	8.4	8.9
830611	8.4	8.9	9.9
830612	9.4	9.9	10.4
830613	9.4	10.1	10.9
830614	9.9	10.9	11.9
830615	10.4	10.9	11.4
830616	9.9	10.6	11.4
830617	9.9	10.9	11.9
830618	10.9	11.8	12.9
830619	11.9	---	12.4
830620	11.8	12.3	13.3
830621	11.3	12.5	13.3
830622	12.8	13.3	13.8
830623	12.8	13.1	13.3
830624	12.8	13.5	14.3
830625	13.3	14.1	14.8
830626	13.8	14.3	14.8
830627	11.8	12.7	13.8
830628	10.8	11.1	11.3
830629	10.3	11.0	11.3
830630	10.8	11.9	12.8
Monthly Value	6.4	10.6	14.8

3-A-80

Table 3-A-20. continued

July 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830701	12.3	12.8	13.8
830702	12.3	12.8	13.3
830703	11.8	12.4	12.8
830704	12.3	12.3	12.3
830705	12.3	13.0	13.8
830706	13.8	14.0	14.8
830707	11.8	12.6	12.8
830708	10.8	11.3	11.8
830709	11.3	11.5	11.8
830710	10.8	11.6	12.3
830711	11.3	11.6	12.3
830712	11.3	12.1	12.8
830713	12.3	12.5	12.8
830714	11.3	11.8	12.3
830715	11.3	12.1	12.8
830716	11.8	12.6	13.3
830717	11.8	12.3	12.8
830718	10.2	10.8	11.8
830719	9.2	9.9	10.7
830720	10.2	11.5	12.7
830721	10.7	11.7	12.7
830722	10.7	11.8	12.7
830723	11.2	11.6	12.2
830724	10.7	11.2	11.7
830725	10.7	11.4	12.2
830726	11.2	11.8	12.7
830727	11.7	12.3	13.2
830728	11.7	12.7	13.7
830729	12.2	12.9	13.2
830730	11.2	11.6	12.2
830731	10.2	10.6	10.7
Monthly Value	9.2	12.0	14.8

3-A-81

Table 3-A-20. continued

August 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830801	10.7	11.2	12.2
830802	10.7	11.2	11.7
830803	10.7	11.6	12.2
830804	11.2	11.4	12.2
830805	9.2	10.2	11.2
830806	9.2	9.4	9.7
830807	9.7	9.9	10.2
830808	10.2	10.2	10.2
830809	9.2	9.7	10.2
830810	8.7	9.4	10.2
830811	9.2	10.0	11.2
830812	10.2	10.2	10.7
830813	9.7	9.8	10.2
830814	8.2	8.7	9.2
830815	7.7	7.7	8.2
830816	7.7	8.4	9.2
830817	8.2	8.9	9.7
830818	8.7	9.2	9.7
830819	8.7	9.7	10.7
830820	9.0	9.4	9.7
830821	8.5	8.6	9.0
830822	7.5	7.9	8.0
830823	8.0	8.0	8.0
830824	7.5	7.7	8.0
830825	6.5	7.0	7.5
830826	6.0	6.5	7.0
830827	6.5	7.3	8.0
830828	7.5	8.0	8.5
830829	8.0	8.1	8.5
830830	8.0	8.0	8.0
830831	7.0	7.4	8.0
Monthly Value	6.0	9.1	12.2

3-A-82

Table 3-A-20. continued

September 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830901	7.0	7.0	7.0
830902	7.0	7.1	7.5
830903	6.0	6.3	7.0
830904	5.5	5.8	6.0
830905	4.5	5.3	5.5
830906	4.5	5.0	5.5
830907	4.0	4.7	5.0
830908	5.0	5.2	5.5
830909	5.5	5.7	6.0
830910	6.0	6.2	6.5
830911	5.5	5.9	6.5
830912	5.5	5.8	6.0
830913	5.5	5.9	6.0
830914	4.5	4.9	5.5
830915	4.5	4.9	5.0
830916	4.0	4.4	5.0
830917	3.5	4.0	4.5
830918	3.0	3.6	4.0
830919	3.5	3.6	4.0
830920	4.0	4.1	4.5
830921	4.5	4.7	5.0
830922	5.0	5.0	5.5
830923	2.5	3.9	5.0
830924	.5	.8	2.0
830925	0.0	.0	.5
830926	0.0	0.0	0.0
830927	0.0	0.0	0.0
830928	0.0	0.0	0.0
830929	0.0	.2	.5
830930	1.0	1.2	1.5
Monthly Value	0.0	4.0	7.5

3-A-83

Table 3-A-20. continued

October 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
831001	1.5	1.5	1.5
831002	1.5	1.7	2.0
831003	1.0	1.5	2.0
831004	0.0	.2	1.0
831005	0.0	0.0	0.0
831006	0.0	.1	.5
831007	0.0	0.0	0.0
831008	0.0	0.0	0.0
831009	0.0	0.0	0.0
831010	0.0	0.0	0.0
831011	0.0	0.0	0.0
831012	0.0	---	.5
Monthly Value	0.0	---	2.0

3-A-84

Table 3-A-21. Ryan temperature recorder data summary,
 surface water temperature (C) at Mainstem
 Susitna River above Oshetna River
 Site 1, RM 234.9, GC S30N11E35BCD, 1983.

May 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830525	6.6	----	6.6
830526	6.6	6.6	7.1
830527	6.1	6.5	6.6
830528	6.6	7.7	8.6
830529	8.6	8.8	9.1
830530	8.1	8.5	8.6
830531	7.1	8.1	8.6
Monthly Value	6.1	----	9.1

3-A-85

Table 3-A-21. continued

June 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830601	6.6	7.6	8.6
830602	8.1	8.5	8.6
830603	7.1	7.3	7.6
830604	6.1	6.5	7.1
830605	6.6	7.0	7.6
830606	8.1	8.5	9.1
830607	9.1	9.1	9.6
830608	9.6	9.6	9.6
830609	8.6	8.6	9.1
830610	7.6	8.3	8.6
830611	8.6	9.1	9.6
830612	8.6	9.2	9.6
830613	9.1	9.8	10.6
830614	10.1	10.7	11.1
830615	10.1	10.6	10.6
830616	9.6	10.2	10.6
830617	10.1	10.6	11.1
830618	10.1	11.2	12.1
830619	11.6	12.0	12.6
830620	11.1	11.4	12.1
830621	11.1	11.7	12.1
830622	11.6	11.9	12.1
830623	12.1	-----	12.6
Monthly Value	6.1	9.6	12.6

3-A-86

Table 3-A-22. Ryan temperature recorder data summary,
 surface water temperature (C) at Mainstem
 Susitna River above Oshetna River
 Site 2, RM 235.7, GC S29N11E02ABD, 1983.

July 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830728	11.3	-----	12.8
830729	10.3	10.8	11.3
830730	9.3	9.8	10.3
830731	8.3	8.6	8.8
Monthly Value	8.3	-----	12.8

3-A-87

Table 3-A-22. continued

August 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830801	8.8	8.9	9.3
830802	8.8	9.3	9.8
830803	8.8	9.2	9.8
830804	8.8	9.3	9.8
830805	7.8	8.0	8.8
830806	7.3	7.6	7.8
830807	7.8	8.2	8.8
830808	7.8	8.2	8.3
830809	6.8	7.3	7.8
830810	6.8	7.4	7.8
830811	7.8	8.4	9.3
830812	8.8	8.9	9.3
830813	7.3	7.9	8.8
830814	6.3	6.7	6.8
830815	6.3	6.3	6.3
830816	5.8	6.7	7.8
830817	7.8	7.9	8.3
830818	7.3	7.9	8.3
830819	7.8	8.5	8.8
830820	7.8	8.4	8.8
830821	6.3	6.9	7.8
830822	6.3	6.9	7.3
830823	6.8	7.2	7.3
830824	6.3	6.7	6.8
830825	5.3	5.6	6.3
830826	5.3	5.6	5.8
830827	5.8	6.7	7.3
830828	7.3	7.6	7.8
830829	7.3	7.8	7.8
830830	6.8	7.3	7.8
830831	6.3	6.3	6.8
Monthly Value	5.3	7.6	9.8

3-A-88

Table 3-A-22. continued

September 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830901	5.8	6.3	6.8
830902	5.3	6.2	6.8
830903	4.8	5.2	5.8
830913	4.5	---	4.5
830914	4.0	4.3	4.5
830915	4.0	4.3	4.5
830916	3.5	3.7	4.0
830917	3.0	3.6	4.0
830918	2.5	3.1	3.5
830919	2.5	2.9	3.0
830920	3.0	3.5	4.0
830921	4.0	4.3	4.5
830922	4.5	4.5	4.5
830923	.5	2.1	4.0
830924	0.0	0.0	0.0
830925	0.0	0.0	0.0
830926	0.0	0.0	0.0
830927	0.0	0.0	0.0
830928	0.0	0.0	0.0
830929	0.0	.2	.5
830930	.5	.6	1.0
Monthly Value	0.0	2.8	6.8

3-A-89

Table 3-A-22. continued

October 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
831001	.5	.6	1.0
831002	1.0	1.2	1.5
831003	0.0	.7	1.5
831004	0.0	0.0	0.0
831005	0.0	0.0	0.0
831006	0.0	0.0	0.0
831007	0.0	0.0	0.0
831008	0.0	0.0	0.0
831009	0.0	0.0	0.0
831010	0.0	0.0	0.0
831011	0.0	0.0	0.0
831012	0.0	---	0.0
Monthly Value	0.0	---	1.5

3-A-90

Table 3-A-23. Datapod temperature recorder data summary,
 intragravel and surface water temperature (C),
 at Side Channel 10 - Site 1, RM 133.9,
 GC S31N03W36AAA.

July 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830717	4.0	-----	4.1	-----	-----	-----
830718	3.9	4.4	4.9	11.4	-----	13.5
830719	4.7	4.8	4.9	10.1	11.1	12.2
830720	4.4	4.5	4.7	10.6	12.3	16.2
830721	3.9	4.3	4.9	7.7	11.9	18.6
830722	4.1	4.5	5.0	8.1	12.2	16.1
830723	4.2	4.6	4.9	9.3	11.2	12.6
830724	4.8	5.2	5.4	11.5	11.8	12.1
830725	5.0	5.2	5.4	11.5	12.1	12.6
830726	4.7	4.8	5.1	11.4	12.5	13.8
830727	4.2	4.7	5.1	9.4	12.6	16.9
830728	4.1	4.5	5.0	8.0	12.1	18.4
830729	4.1	4.4	4.8	8.3	11.9	16.8
830730	4.3	4.7	5.0	9.6	11.6	13.1
830731	4.9	5.3	5.6	11.6	11.9	12.2
Monthly Value	3.9	-----	5.6	7.7	-----	18.6

Table 3-A-23. continued

August 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830801	5.3	5.5	5.6	11.1	11.9	12.8
830802	5.3	5.4	5.5	12.1	12.5	12.9
830803	5.2	5.4	5.6	12.0	12.7	13.7
830804	5.1	5.2	5.4	12.2	12.7	13.0
830805	5.0	5.1	5.3	11.2	11.8	12.1
830806	5.0	5.2	5.4	10.0	10.5	11.2
830807	5.3	5.4	5.5	10.4	10.7	10.9
830808	5.3	5.4	5.4	10.5	10.7	11.0
830809	5.3	5.4	5.6	10.2	10.5	10.7
830810	5.3	5.6	5.8	9.3	10.0	10.5
830811	4.9	5.2	5.4	9.8	10.3	11.0
830812	4.9	5.0	5.1	10.7	11.2	11.6
830813	4.9	5.1	5.2	10.2	10.4	10.8
830814	4.9	5.0	5.1	9.3	9.7	10.2
830815	4.7	4.8	5.0	8.2	8.5	9.3
830816	4.5	4.7	4.7	8.0	8.6	9.5
830817	4.6	4.7	4.7	8.9	9.4	10.0
830818	4.5	4.6	4.7	9.5	10.0	10.9
830819	4.3	4.5	4.7	9.0	10.5	12.8
830820	4.2	4.3	4.6	8.4	9.1	10.2
830821	4.2	4.3	4.5	8.1	9.1	10.4
830822	4.5	4.6	4.7	9.1	9.4	9.6
830823	4.7	4.7	4.8	9.0	9.2	9.4
830824	4.7	4.8	5.0	8.7	9.0	9.3
830825	4.7	4.9	5.0	8.0	8.3	8.8
830826	4.7	4.8	5.0	7.3	7.9	8.3
830827	4.9	5.0	5.1	8.0	8.5	9.2
830828	4.7	4.9	5.0	8.8	9.4	9.9
830829	4.7	4.8	4.9	9.4	9.7	10.0
830830	4.6	4.7	4.8	9.4	9.6	10.3
830831	4.7	4.8	4.8	8.5	8.8	9.4
Monthly Value	4.2	5.0	5.8	7.3	10.0	13.7

3-A-92

Table 3-A-23. continued

September 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830901	4.6	4.7	4.8	8.0	8.2	8.5
830902	4.6	4.7	4.7	7.8	8.1	8.5
830903	4.4	4.6	4.7	7.2	7.6	8.1
830904	4.2	4.3	4.5	6.6	7.0	7.6
830905	4.0	4.2	4.5	5.2	7.5	11.4
830906	3.9	4.2	4.6	4.5	7.6	12.1
830907	4.0	4.2	4.5	4.9	7.1	11.1
830908	4.2	4.3	4.4	6.7	7.8	9.1
830909	4.2	4.4	4.6	6.8	8.2	11.9
830910	4.2	4.4	4.7	6.7	8.3	12.4
830911	4.3	4.4	4.6	6.3	7.3	9.4
830912	4.2	4.4	4.5	6.4	7.7	10.1
830913	4.2	4.4	4.5	6.3	7.4	9.7
830914	4.2	4.4	4.5	5.7	6.5	7.3
830915	4.2	4.4	4.6	5.5	7.1	10.9
830916	4.1	4.4	4.7	4.0	6.4	10.6
830917	4.1	4.4	4.7	3.8	6.1	10.3
830918	4.1	4.4	4.6	3.8	5.8	9.5
830919	4.2	4.4	4.6	4.2	5.9	8.1
830920	4.4	4.5	4.5	5.9	6.4	7.2
830921	4.5	4.5	4.7	6.1	6.9	8.7
830922	4.5	4.6	4.6	5.8	6.9	8.3
830923	4.3	4.4	4.6	3.7	5.4	7.7
830924	4.1	4.2	4.4	2.2	3.3	4.7
830925	4.0	4.1	4.3	2.2	3.5	6.4
830926	4.0	4.1	4.3	2.0	3.5	6.5
830927	4.0	4.2	4.3	2.0	3.5	5.9
830928	4.1	4.2	4.3	3.0	3.9	4.9
830929	4.2	4.2	4.3	3.4	4.1	4.6
830930	4.2	4.3	4.4	4.1	5.0	6.9
Monthly Value	3.9	4.3	4.8	2.0	6.3	12.4

3-A-93

Table 3-A-23. continued

October 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
831001	4.2	4.3	4.4	4.9	5.6	7.3
831002	4.2	4.3	4.3	4.8	5.6	7.6
831003	4.1	4.2	4.3	3.4	4.7	7.1
831004	4.0	4.1	4.3	2.8	4.2	7.1
831005	4.0	4.1	4.2	2.3	3.9	5.0
831006	4.0	4.1	4.3	2.3	4.0	7.0
831007	3.9	4.1	4.2	1.8	2.8	5.4
831008	3.9	4.0	4.2	1.2	2.5	5.0
831009	3.9	4.0	4.0	.7	1.9	2.9
831010	3.7	3.8	3.9	.4	1.2	2.5
831011	3.8	4.0	4.1	2.5	3.3	5.0
831012	4.0	4.1	4.1	3.1	3.5	4.3
831013	3.9	4.0	4.1	.7	3.0	4.6
831014	3.9	4.0	4.1	1.6	2.3	4.0
831015	3.9	4.0	4.0	1.8	2.7	3.8
831016	3.8	3.9	4.0	1.3	2.4	4.0
831017	3.8	3.9	4.0	1.3	2.3	4.2
831018	3.8	3.8	4.0	2.2	3.2	6.1
831019	3.7	3.8	3.9	.8	2.2	3.2
831020	3.6	3.7	3.7	.8	1.5	2.1
831021	3.6	3.6	3.7	.9	2.0	3.5
831022	3.5	3.6	3.7	.9	2.0	3.6
831023	3.4	3.5	3.6	.2	.9	2.3
831024	3.3	3.4	3.5	.2	.5	1.4
831025	3.2	3.4	3.4	.2	.5	1.1
831026	3.2	3.3	3.3	.2	.6	1.9
831027	3.1	3.2	3.3	.3	.6	1.4
831028	3.1	3.2	3.2	.4	.9	1.6
831029	3.0	3.1	3.2	.3	.7	1.1
831030	3.0	3.0	3.1	.5	.8	1.4
831031	3.0	3.0	3.1	.3	.7	1.0
Monthly Value	3.0	3.7	4.4	.2	2.4	7.6

3-A-94

Table 3-A-24. Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Upper Side Channel 11 - Site 1, RM 136.3, GC S31N02W20BBD.

July 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830729	5.4	5.6	5.7	12.3	13.6	15.3
830730	5.6	5.9	6.2	11.8	12.7	13.5
830731	6.0	6.3	6.5	11.3	11.6	12.0
Monthly Value	5.4	—	6.5	11.3	—	15.3

3-A-95

Table 3-A-24. continued

August 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830801	6.2	6.3	6.4	10.7	11.5	12.5
830802	6.2	6.3	6.4	11.5	12.0	12.6
830803	6.2	6.3	6.4	11.4	12.1	13.2
830804	6.3	6.3	6.4	11.6	12.2	12.5
830805	6.1	6.3	6.4	10.7	11.3	11.6
830806	6.1	6.2	6.3	9.6	10.1	10.7
830807	6.1	6.2	6.3	10.0	10.3	10.5
830808	6.0	6.2	6.2	9.9	10.2	10.6
830809	5.8	6.0	6.1	9.5	10.0	10.5
830810	5.6	5.7	5.9	8.8	9.5	9.9
830811	5.7	5.8	6.0	9.3	9.9	10.4
830812	5.9	6.1	6.2	10.1	10.5	10.9
830813	6.0	6.1	6.2	9.4	9.8	10.1
830814	5.8	6.0	6.2	8.7	9.1	9.6
830815	5.6	5.7	5.9	7.5	8.0	8.7
830816	5.6	5.7	5.7	7.2	8.0	9.0
830817	5.7	5.8	5.9	8.2	8.7	9.5
830818	5.7	5.8	5.9	8.5	9.2	10.0
830819	5.7	5.8	5.9	8.3	9.2	10.2
830820	5.7	5.8	5.9	8.8	9.3	9.6
830821	5.6	5.7	5.8	8.5	8.8	9.2
830822	5.7	5.8	5.9	8.5	8.7	9.0
830823	5.8	5.9	5.9	8.3	8.5	8.8
830824	5.8	5.9	6.0	8.0	8.3	8.6
830825	5.7	5.8	5.9	7.2	7.7	8.2
830826	5.5	5.7	5.8	6.7	7.3	7.8
830827	5.5	5.7	5.8	7.3	7.9	8.6
830828	5.7	5.9	6.1	8.3	8.7	9.4
830829	6.0	6.1	6.2	8.7	9.0	9.1
830830	6.0	6.1	6.2	8.7	8.9	9.4
830831	6.0	6.2	6.2	8.0	8.4	8.9
Monthly Value	5.5	6.0	6.4	6.7	9.4	13.2

Table 3-A-24. continued

September 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830901	5.8	6.0	6.1	7.4	7.7	8.0
830902	5.7	5.9	5.9	6.9	7.4	7.9
830903	5.7	5.8	5.9	6.5	6.9	7.3
830904	5.5	5.7	5.8	5.8	6.1	6.5
830905	5.4	5.5	5.6	5.0	5.7	6.7
830906	5.2	5.4	5.5	4.2	5.6	8.0
830907	5.2	5.3	5.5	3.3	5.5	9.3
830908	5.2	5.3	5.4	4.8	5.8	7.5
830909	5.2	5.3	5.4	4.8	6.3	10.0
830910	5.2	5.3	5.4	4.8	6.2	9.4
830911	5.2	5.3	5.4	4.5	5.6	8.9
Monthly Value	5.2	---	6.1	3.3	---	10.0

3-A-97

Table 3-A-25. Datapod temperature recorder data summary,
 intragravel and surface water temperature (C),
 at Upper Side Channel 11 - Site 2, RM 136.2,
 GC S32N02W20BBD.

September 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830912	4.2	4.8	5.5	4.6	6.1	9.3
830913	4.2	4.6	5.1	4.5	5.8	8.1
830914	4.0	4.4	4.9	3.9	5.1	6.2
830915	4.1	4.6	5.4	4.4	5.9	9.5
830916	3.4	4.3	5.3	2.2	5.0	9.1
830917	3.3	4.2	5.2	2.1	4.8	8.8
830918	3.3	4.1	5.0	2.1	4.5	8.2
830919	3.6	4.2	4.8	2.8	4.7	7.2
830920	4.2	4.5	4.7	4.8	5.4	6.3
830921	4.3	4.6	5.2	4.9	6.0	8.0
830922	4.4	4.6	4.9	4.8	5.7	7.2
830923	3.8	4.3	4.7	2.8	4.5	5.2
830924	2.9	3.2	3.8	1.0	2.0	3.1
830925	2.7	3.1	3.8	.6	2.3	4.9
830926	2.7	3.2	3.8	.8	2.3	4.9
830927	2.7	3.2	3.8	.8	2.4	4.7
830928	3.3	3.6	3.9	2.2	3.2	4.3
830929	3.6	3.7	3.9	3.0	3.6	4.3
830930	3.8	4.0	4.5	3.7	4.6	6.2
Monthly Value	2.7	---	5.5	.6	---	9.5

3-A-98

Table 3-A-25. continued

October 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
831001	4.1	4.4	4.7	4.3	5.0	6.6
831002	3.9	4.3	4.8	3.6	4.7	7.0
831003	3.4	3.8	4.3	2.2	3.5	5.9
831004	3.2	3.6	4.3	1.7	3.3	6.2
831005	3.6	3.7	4.0	1.9	3.3	4.6
831006	3.2	3.7	4.4	1.7	3.3	6.5
831007	3.0	3.4	3.9	1.0	2.1	4.5
831008	2.7	3.1	3.6	.4	1.8	4.0
831009	2.7	3.2	3.5	.5	1.5	2.5
831010	2.6	2.7	3.0	.2	.8	2.0
831011	3.0	3.5	4.0	2.0	3.0	4.8
831012	3.6	3.8	4.0	2.9	3.3	4.3
831013	3.2	3.7	3.8	.3	2.7	4.0
831014	3.0	3.4	3.8	.9	2.0	4.1
831015	3.4	3.6	4.0	1.7	2.8	4.3
831016	3.1	3.5	3.8	.9	2.3	4.1
831017	3.3	3.6	4.0	1.4	2.5	4.5
831018	3.7	4.0	4.6	2.4	3.7	6.2
831019	3.6	3.8	4.3	1.4	2.6	3.5
831020	3.3	3.4	3.6	1.2	1.9	2.6
831021	3.4	3.7	4.0	1.1	2.7	4.1
831022	3.5	3.8	4.2	1.6	2.9	4.7
831023	3.1	3.5	4.0	.7	1.6	3.1
831024	3.1	3.4	3.6	.7	1.3	2.8
831025	3.0	3.3	3.5	.6	1.2	2.2
831026	3.2	3.4	3.7	1.1	1.7	3.0
831027	3.2	3.5	3.8	.7	1.8	3.1
831028	3.6	3.7	3.9	1.6	2.2	3.4
831029	3.4	3.6	3.8	1.0	1.8	2.6
831030	3.5	3.7	3.9	1.4	2.1	3.1
831031	3.5	3.6	3.8	.8	1.8	2.2
Monthly Value	2.6	3.6	4.8	.2	2.5	7.0

Table 3-A-26. Datapod temperature recorder data summary,
 intragravel and surface water temperature (C),
 at Side Channel 21 - Site 1, RM 141.0,
 GC S31N02W02CAA.

August 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830829	5.9	-----	6.0	8.2	-----	8.5
830830	5.8	5.9	6.0	8.2	8.5	9.2
830831	5.6	5.8	6.1	7.7	8.1	8.7
Monthly Value	5.6	-----	6.1	7.7	-----	9.2

Table 3-A-26. continued

September 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830901	5.2	5.4	5.6	7.1	7.4	7.7
830902	4.9	5.1	5.2	6.8	7.3	8.2
830903	4.7	4.9	5.2	6.4	6.8	7.3
830904	4.5	4.7	4.9	5.5	6.0	6.6
830905	4.2	4.4	4.6	4.7	5.5	6.5
830906	3.9	4.1	4.4	---	---	---
830907	3.9	4.1	4.4	---	---	---
830908	4.1	4.3	4.5	---	---	---
830909	4.1	4.3	4.7	---	---	---
830910	4.2	4.4	4.8	---	---	---
830911	4.2	4.5	4.8	---	---	---
830912	4.3	4.5	4.8	---	---	---
Monthly Value	3.9	---	5.6	4.7	---	8.2

Table 3-A-27. Datapod temperature recorder data summary, intragravel and surface water temperature (C), at Side Channel 21 - Site 2, RM 141.0, GC S30N02W31BBB.

September 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830913	6.1	6.2	6.2	5.3	6.1	7.5
830914	6.0	6.1	6.2	4.5	5.6	6.5
830915	6.0	6.1	6.2	5.1	6.0	7.3
830916	5.8	6.0	6.2	3.1	4.7	6.8
830917	5.7	5.9	6.0	2.9	4.5	6.7
830918	5.6	5.8	5.9	3.2	4.7	6.5
830919	5.7	5.8	5.9	3.8	5.3	7.1
830920	6.0	6.1	6.1	5.7	6.1	6.7
830921	6.1	6.1	6.2	5.3	5.9	6.6
830922	6.1	6.1	6.2	4.9	5.8	6.7
830923	5.9	6.0	6.2	3.3	4.6	5.0
830924	5.8	5.8	6.0	2.4	3.3	4.0
830925	5.7	5.8	5.8	3.1	3.9	4.9
830926	5.7	5.8	5.8	3.6	4.2	4.9
830927	5.5	5.7	5.7	3.5	4.3	4.8
830928	5.2	5.4	5.5	3.4	4.4	4.9
830929	4.9	5.1	5.3	3.8	4.3	4.8
830930	4.3	4.6	4.9	3.2	4.0	4.6
Monthly Value	4.3	---	6.2	2.4	---	7.5

Table 3-A-27. continued

October 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
831001	3.8	4.0	4.3	3.6	4.1	4.7
831002	3.6	3.6	3.8	3.5	4.1	4.6
831003	3.4	3.5	3.6	2.5	3.3	4.2
831004	3.4	3.5	3.5	2.4	3.7	4.7
831005	3.4	3.5	3.5	3.3	3.9	4.6
831006	3.4	3.4	3.5	3.5	4.2	4.6
831007	3.4	3.5	3.6	3.8	4.2	4.4
831008	3.3	3.4	3.5	3.5	4.0	4.3
831009	3.1	3.3	3.4	2.7	3.4	3.7
831010	2.9	3.0	3.2	1.9	2.6	3.2
831011	2.6	2.8	2.9	2.6	3.3	4.2
831012	2.4	2.5	2.7	3.5	4.0	4.4
831013	2.2	2.3	2.4	3.0	3.8	4.5
831014	2.1	2.2	2.3	3.1	3.5	3.9
831015	1.9	2.0	2.2	3.2	3.5	4.2
831016	1.9	1.9	2.0	2.6	3.0	3.6
831017	1.8	1.9	1.9	2.7	3.3	3.9
831018	1.8	1.9	1.9	3.2	3.7	4.5
831019	1.7	1.8	1.9	2.7	3.2	3.6
831020	1.7	1.7	1.8	2.5	3.0	3.4
831021	1.7	1.7	1.7	2.7	3.1	3.9
831022	1.7	1.7	1.7	2.8	3.1	3.7
831023	1.6	1.7	1.7	2.7	2.9	3.2
831024	1.6	1.7	1.8	2.4	2.7	3.2
831025	1.7	1.8	1.9	2.2	2.5	2.9
831026	1.8	1.9	1.9	2.1	2.4	2.8
831027	1.8	1.9	2.0	1.9	2.2	2.5
831028	1.8	1.8	1.9	1.8	2.0	2.2
831029	1.7	1.8	1.9	1.9	2.0	2.1
831030	1.7	1.7	1.8	1.6	1.9	2.0
831031	1.7	1.7	1.8	1.8	1.9	2.0
Monthly Value	1.6	2.4	4.3	1.6	3.2	4.7

Table 3-A-28. Datapod temperature recorder data summary,
 intragravel and surface water temperature (C),
 at Lower Sl. 8A - Site 2, RM 125.6,
 GC S30N03W30BCD.

May 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830501	3.2	---	3.2	4.4	---	4.9
830502	3.1	3.2	3.3	2.5	3.5	4.5
830503	3.2	3.2	3.3	2.3	3.4	4.7
830504	3.2	3.3	3.4	2.0	3.7	5.7
830505	3.3	3.3	3.4	1.8	3.7	6.1
830506	3.3	3.3	3.4	1.4	3.7	6.5
830507	3.3	3.3	3.4	1.3	4.0	7.2
830508	3.3	3.4	3.5	1.8	4.5	7.4
830509	3.4	3.5	3.5	2.1	4.5	7.2
830510	3.4	3.5	3.6	2.5	4.8	7.0
830511	3.5	3.5	3.6	2.7	5.2	8.0
830512	3.5	3.6	3.7	3.4	5.4	7.4
830513	3.6	3.6	3.7	3.0	5.2	7.6
830514	3.6	3.6	3.7	2.8	4.7	7.1
830515	3.6	3.6	3.7	2.5	4.2	6.0
830516	3.6	3.6	3.7	2.4	4.2	5.7
830517	3.6	3.7	3.7	2.7	4.2	5.9
830518	3.6	3.7	3.7	2.5	4.3	6.5
830519	3.6	3.6	3.7	2.9	4.8	6.6
830520	3.6	3.7	3.7	3.0	5.5	8.0
830521	3.6	3.7	3.8	3.4	4.9	7.0
830522	3.7	3.7	3.8	3.7	5.6	8.5
830523	3.7	3.7	3.8	3.7	5.7	7.8
830524	3.8	3.8	3.9	4.1	6.3	9.2
830525	3.8	3.8	3.9	3.8	6.5	9.2
830526	3.8	3.9	3.9	5.1	6.7	8.4
830527	3.8	3.9	4.0	4.4	6.3	8.3
830528	3.8	3.9	4.0	4.5	7.0	9.8
830529	3.8	3.9	4.0	5.6	7.5	9.3
830530	3.9	4.0	4.2	6.7	8.3	9.7
830531	4.1	4.2	4.2	6.2	7.6	8.7
Monthly Value	3.1	3.6	4.2	1.3	5.2	9.8

3-A-104

Table 3-A-28. continued

June 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830601	4.0	4.1	4.2	6.5	7.9	9.9
830602	4.0	4.1	4.1	----	----	----
830603	3.9	4.0	4.0	----	----	----
830604	3.9	4.0	4.0	----	----	----
830605	3.8	3.9	4.0	----	----	----
830606	3.8	3.9	3.9	----	----	----
830607	3.8	3.9	3.9	----	----	----
830608	3.8	3.9	4.0	----	----	----
830609	3.8	3.9	4.0	----	----	----
830610	3.8	3.9	3.9	----	----	----
830611	3.9	4.0	4.0	----	----	----
830612	4.0	4.0	4.1	----	----	----
830613	4.0	4.1	4.2	----	----	----
830614	4.1	4.1	4.2	----	----	----
830615	4.1	4.1	4.2	----	----	----
830616	4.2	4.2	4.3	----	----	----
830617	4.3	4.3	4.4	----	----	----
830618	4.3	4.4	4.5	----	----	----
830619	4.3	4.4	4.4	----	----	----
830620	4.4	4.4	4.5	----	----	----
830621	4.4	4.5	4.5	----	----	----
830622	4.4	4.5	4.5	----	----	----
830623	4.4	4.5	4.6	----	----	----
830624	4.4	4.5	4.5	----	----	----
830625	4.4	4.5	4.5	----	----	----
830626	4.4	4.5	4.5	----	----	----
830627	4.4	4.5	4.5	----	----	----
830628	4.4	4.4	4.5	----	----	----
830629	4.4	4.5	4.5	----	----	----
830630	4.3	4.4	4.5	----	----	----
Monthly Value	3.8	4.2	4.6	6.5	----	9.9

Table 3-A-28. continued

July 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830701	4.3	4.4	4.5	----	----	----
830702	4.3	4.4	4.4	----	----	----
830703	4.4	4.5	4.6	----	----	----
830704	4.5	4.6	4.6	11.3	----	13.2
830705	4.5	4.5	4.6	8.7	12.0	16.3
830706	4.6	4.7	4.7	9.6	12.0	13.8
830707	4.6	4.6	4.7	7.1	9.6	12.4
830708	4.6	4.7	4.7	7.9	10.4	11.8
830709	4.4	4.5	4.6	7.2	9.6	12.5
830710	4.4	4.5	4.5	10.1	11.9	14.9
830711	4.4	4.5	4.5	11.3	12.4	13.8
830712	4.4	4.4	4.5	10.9	11.8	13.6
830713	4.5	4.5	4.6	10.8	11.6	13.2
830714	4.5	4.6	4.6	9.8	11.7	14.4
830715	4.6	4.6	4.7	11.6	13.1	15.6
830716	4.5	4.6	4.7	11.4	13.1	14.7
830717	4.5	4.6	4.6	11.1	12.1	13.0
830718	4.6	4.6	4.8	10.5	12.4	15.6
830719	4.8	5.0	5.1	9.8	12.3	15.4
830720	4.9	5.0	5.0	12.3	13.5	15.7
830721	4.8	4.9	5.0	10.4	13.6	17.1
830722	4.9	5.0	5.1	10.9	13.9	16.9
830723	5.0	5.1	5.2	12.0	13.0	13.9
830724	5.1	5.2	5.3	8.6	11.6	13.0
830725	5.1	5.3	5.3	8.5	11.4	14.0
830726	4.9	5.0	5.2	11.1	12.4	13.5
830727	4.8	4.9	5.0	11.1	13.4	16.8
830728	4.8	4.9	5.0	10.9	13.9	16.8
830729	4.8	5.0	5.0	11.0	14.0	16.8
830730	5.0	5.1	5.2	12.4	13.2	13.8
830731	5.1	5.3	5.4	10.4	12.1	13.8
Monthly Value	4.3	4.8	5.4	7.1	12.3	17.1

Table 3-A-28. continued

August 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830801	5.3	5.4	5.4	9.3	13.0	16.5
830802	5.3	5.4	5.5	9.3	12.3	15.2
830803	5.2	5.3	5.4	8.7	12.1	17.4
830804	5.2	5.2	5.3	11.2	12.7	14.3
830805	5.1	5.1	5.2	9.4	11.0	12.1
830806	5.1	5.1	5.2	8.2	10.8	12.8
830807	5.1	5.2	5.3	8.6	9.9	11.4
830808	5.0	5.1	5.2	8.5	9.6	10.1
830809	4.9	5.0	5.1	8.9	10.0	12.4
830810	4.8	5.0	5.0	9.5	10.5	12.1
830811	4.6	4.7	4.9	8.7	10.0	11.5
830812	4.5	4.6	4.7	8.4	9.4	11.1
830813	4.4	4.5	4.6	7.9	9.0	10.1
830814	4.4	4.4	4.5	7.3	8.9	11.1
830815	4.4	4.5	4.5	6.7	8.6	10.7
830816	4.3	4.4	4.4	6.9	9.1	12.0
830817	4.3	4.4	4.4	7.0	9.0	11.4
830818	4.2	4.3	4.4	6.7	9.5	12.7
830819	4.2	4.3	4.4	7.0	9.6	12.1
830820	4.2	4.3	4.3	8.2	9.0	11.4
830821	4.3	4.3	4.4	7.7	8.4	9.5
830822	4.4	4.4	4.5	7.9	8.9	10.1
830823	4.4	4.5	4.6	7.1	8.8	9.9
830824	4.5	4.5	4.6	7.1	8.4	9.6
830825	4.5	-----	4.6	6.2	-----	8.7
Monthly Value	4.2	4.7	5.5	6.2	9.9	17.4

Table 3-A-29. Datapod temperature recorder data summary,
 intragravel and surface water temperature (C),
 at Lower Sl. 8A - Site 3, RM 125.6,
 GC S30N03W30BCD.

August 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830825	4.9	—	4.9	8.3	—	9.2
830826	4.9	5.0	5.1	6.9	8.3	9.2
830827	4.9	5.0	5.1	7.9	9.0	11.1
830828	4.9	5.0	5.1	7.2	9.0	11.1
830829	4.8	4.9	5.1	7.4	8.5	11.0
830830	4.7	4.8	4.9	7.7	8.3	9.6
830831	4.9	5.0	5.1	8.0	8.6	9.3
Monthly Value	4.7	—	5.1	6.9	—	11.1

3-A-10B

Table 3-A-29. continued

September 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830901	5.0	5.0	5.1	7.3	8.0	8.6
830902	5.0	5.0	5.1	6.8	8.2	9.9
830903	4.9	5.0	5.1	6.0	7.3	9.1
830904	4.8	4.9	5.1	5.4	6.8	8.1
830905	4.8	5.3	6.0	4.7	6.4	7.7
830906	4.7	5.7	6.5	4.6	6.6	8.0
830907	5.1	5.9	6.6	5.1	6.6	7.8
830908	6.3	6.7	7.1	6.8	7.6	8.1
830909	6.8	7.3	8.0	7.2	8.1	9.5
830910	7.3	7.8	8.6	7.8	8.6	10.0
830911	6.9	7.6	8.3	7.1	8.0	9.1
830912	7.1	7.6	8.2	7.3	8.0	9.2
830913	7.3	7.8	8.6	7.6	8.3	9.5
830914	6.8	7.3	8.2	6.6	7.3	8.1
830915	6.1	6.8	8.1	6.2	7.2	9.3
830916	5.7	6.6	7.7	5.5	6.8	8.6
830917	5.1	6.0	7.2	4.8	6.0	7.8
830918	4.6	5.4	6.4	4.4	5.4	7.0
830919	4.6	5.3	6.1	4.5	5.5	6.8
830920	5.6	5.9	6.3	5.8	6.3	6.7
830921	6.2	6.6	7.4	6.5	7.1	8.3
830922	7.0	7.2	7.4	6.8	7.7	8.3
830923	5.4	6.0	7.1	4.0	5.3	6.7
830924	2.9	3.9	5.4	.6	1.9	3.9
830925	1.6	2.4	2.9	.5	1.1	1.8
830926	1.8	2.1	2.7	1.2	1.9	3.0
830927	2.1	2.4	2.8	1.8	2.4	3.2
830928	2.5	2.6	2.7	2.3	2.6	2.9
830929	2.5	2.6	2.8	2.5	2.7	3.0
830930	2.7	3.0	3.9	2.6	3.4	5.0
Monthly Value	1.6	5.5	8.6	.5	6.0	10.0

3-A-109

Table 3-A-29. continued

October 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
831001	3.9	4.3	4.7	4.4	4.8	5.4
831002	4.0	4.4	4.9	4.1	4.8	5.6
831003	3.2	3.9	4.9	2.6	3.5	4.8
831004	2.6	3.1	3.8	1.8	2.6	3.4
831005	3.1	3.2	3.3	2.5	3.0	3.4
831006	2.5	2.7	3.1	2.0	2.5	3.3
831007	1.9	2.3	3.0	1.2	1.9	2.7
831008	1.5	1.8	2.1	1.0	1.6	2.2
831009	1.2	1.7	2.1	.8	1.4	2.0
831010	.7	1.1	1.3	.3	.8	1.2
831011	1.1	1.4	1.8	1.1	1.5	1.9
831012	1.8	2.1	2.5	1.8	2.1	2.5
831013	2.1	2.3	2.6	1.3	2.1	2.5
831014	1.7	2.1	2.6	1.0	1.5	2.2
831015	1.8	2.0	2.3	1.4	1.8	2.4
831016	1.6	2.0	2.4	.9	1.5	2.4
831017	1.4	1.6	1.8	1.0	1.3	1.6
831018	1.6	1.9	2.5	1.5	2.2	3.0
831019	1.9	2.2	2.4	1.3	2.0	2.6
831020	1.0	1.4	1.9	.4	1.0	1.6
831021	1.1	1.3	1.7	.7	1.3	1.9
831022	1.4	1.6	1.8	1.1	1.6	2.1
831023	.8	1.2	1.7	.6	1.0	1.5
831024	.6	.8	1.2	.4	.7	1.4
831025	.4	.6	.9	.3	.6	1.0
831026	.6	.7	.9	.4	.8	1.5
831027	.4	.6	1.0	.3	.8	1.5
831028	.6	.7	1.0	.6	.9	1.4
831029	.4	.7	.9	.3	.8	1.3
831030	.4	.6	.8	.3	.7	1.2
831031	.3	.5	.6	.3	.6	.8
Monthly Value	.3	1.8	4.9	.3	1.7	5.6

3-A-110

Table 3-A-30. Datapod temperature recorder data summary,
 intragravel and surface water temperature (C),
 at Upper Sl. 8A - Site 2, RM 126.6,
 GC S30N03W20CDD.

May 1983.						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830501	2.3	2.4	2.6	1.3	2.7	5.7
830502	2.2	2.4	2.5	1.7	2.5	4.0
830503	2.2	2.3	2.5	1.6	2.4	3.6
830504	2.2	2.4	2.5	1.6	2.5	4.6
830505	2.3	2.4	2.5	1.7	2.6	4.8
830506	2.4	2.5	2.6	1.7	2.7	5.0
830507	2.4	2.5	2.7	1.7	2.8	5.2
830508	2.5	2.5	2.7	1.8	3.0	5.3
830509	2.4	2.5	2.7	2.0	3.1	5.4
830510	2.5	2.6	2.7	2.0	3.0	5.3
830511	2.5	2.6	2.8	2.0	3.2	5.5
830512	2.5	2.7	2.8	2.2	3.1	4.8
830513	2.6	2.7	2.8	2.2	3.1	5.4
830514	2.6	2.7	2.8	2.3	3.0	4.6
830515	2.6	2.7	2.8	2.2	3.0	4.2
830516	2.6	2.7	2.9	2.2	3.0	4.3
830517	2.7	2.8	2.9	2.4	3.1	4.1
830518	2.7	2.8	2.9	2.4	3.3	4.7
830519	2.8	2.9	3.0	2.4	3.4	4.9
830520	2.8	2.9	3.0	2.4	3.6	5.7
830521	2.9	3.0	3.1	2.6	3.3	4.4
830522	2.9	3.0	3.1	2.8	3.8	5.9
830523	2.9	3.0	3.2	2.8	3.7	6.0
830524	2.9	3.1	3.3	2.8	3.9	6.5
830525	3.0	3.1	3.3	2.6	3.9	6.2
830526	3.0	3.1	3.3	3.1	4.0	6.4
830527	3.0	3.2	3.3	2.8	3.8	5.8
830528	3.0	3.2	3.3	2.8	3.9	5.6
830529	3.1	3.2	3.4	2.9	4.0	5.4
830530	3.2	3.2	3.3	3.3	3.9	5.0
830531	3.2	3.2	3.3	3.4	3.9	5.1
Monthly Value	2.2	2.8	3.4	1.3	3.3	6.5

3-A-111

Table 3-A-30. continued

June 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830601	3.1	3.3	3.4	3.2	4.3	6.7
830602	3.2	3.3	3.4	3.2	3.6	4.1
830603	3.2	3.2	3.3	3.4	3.9	5.2
830604	3.3	3.3	3.3	3.5	4.1	5.0
830605	3.2	3.3	3.4	3.3	4.0	6.1
830606	3.3	3.4	3.5	3.1	4.2	6.1
830607	3.3	3.4	3.5	3.1	4.3	6.9
830608	3.3	3.4	3.5	3.3	4.0	5.6
830609	3.3	3.5	3.7	3.3	4.5	7.5
830610	3.4	3.5	3.7	3.4	5.0	7.7
830611	3.4	3.6	3.8	3.7	4.6	6.3
830612	3.4	3.6	3.8	3.6	4.8	7.8
830613	3.5	3.6	3.8	3.7	4.9	7.7
830614	3.5	3.6	3.8	3.9	5.0	6.8
830615	3.6	3.7	4.0	4.0	5.3	7.6
830616	3.6	3.8	4.0	4.0	5.5	8.6
830617	3.6	3.8	4.1	3.8	5.6	9.7
830618	3.7	3.9	4.2	4.1	5.9	10.3
830619	3.8	4.0	4.3	4.5	6.3	9.9
830620	3.8	4.0	4.3	4.4	6.0	9.3
830621	3.8	4.0	4.3	4.3	6.1	9.7
830622	3.9	4.1	4.3	4.7	6.2	9.9
830623	3.9	4.1	4.3	4.6	6.2	8.9
830624	3.9	4.1	4.4	4.6	6.3	10.1
830625	3.9	4.2	4.5	4.5	6.4	10.6
830626	4.1	4.3	4.5	5.0	6.4	9.3
830627	4.0	4.2	4.4	4.6	5.5	6.7
830628	3.9	4.1	4.4	4.6	6.0	8.7
830629	4.0	4.1	4.4	4.5	5.4	6.9
830630	4.0	4.1	4.5	4.7	6.3	9.3
Monthly Value	3.1	3.8	4.5	3.1	5.2	10.6

3-A-112

Table 3-A-30. continued

July 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830701	4.1	4.2	4.5	4.9	5.8	6.9
830702	4.1	4.3	4.6	5.1	6.6	10.2
830703	4.2	4.4	4.7	4.8	6.8	10.2
830704	4.2	4.4	4.6	5.0	6.0	7.2
830705	4.2	4.4	4.8	5.0	6.9	10.7
830706	4.3	4.5	4.8	5.3	6.0	7.3
830707	4.1	4.2	4.3	4.8	5.7	7.7
830708	4.1	4.2	4.4	5.0	5.6	6.9
830709	4.0	4.2	4.4	4.7	5.9	8.6
830710	4.1	4.4	4.7	4.9	6.6	10.3
830711	4.3	4.5	4.7	4.8	6.3	8.8
830712	4.4	4.6	4.9	5.2	6.6	9.4
830713	4.5	4.7	4.9	5.3	6.3	8.2
830714	4.4	4.6	5.0	4.8	6.7	10.6
830715	4.5	4.8	5.3	5.3	7.2	11.6
830716	4.7	5.1	5.4	5.2	7.2	10.2
830717	4.8	5.1	5.4	5.7	6.6	8.4
830718	4.7	5.1	5.6	5.4	7.4	10.7
830719	4.8	5.2	5.6	5.0	7.3	12.1
830720	4.9	5.3	5.7	5.6	7.6	11.8
830721	4.9	5.3	5.7	5.1	7.4	12.4
830722	4.9	5.4	5.9	5.0	7.6	12.5
830723	5.2	5.5	5.9	6.2	6.9	8.7
830724	4.8	5.1	5.3	5.4	6.8	8.7
830725	4.7	5.0	5.3	5.0	6.7	8.9
830726	4.7	5.0	5.2	5.0	6.6	9.1
830727	4.8	5.1	5.5	5.4	7.4	11.1
830728	4.9	5.3	5.9	5.2	7.7	12.7
830729	5.2	5.6	6.0	5.5	7.8	11.8
830730	5.3	5.6	6.0	6.1	7.0	8.2
830731	5.0	5.2	5.5	5.7	6.9	8.7
Monthly Value	4.0	4.8	6.0	4.7	6.8	12.7

3-A-113

Table 3-A-30. continued

August 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830801	4.9	5.2	5.5	5.5	7.2	11.3
830802	4.8	5.1	5.4	5.2	6.8	10.8
830803	4.7	5.0	5.4	4.9	6.9	11.3
830804	4.8	5.0	5.4	5.5	6.2	7.1
830805	4.6	4.8	4.9	5.5	6.2	7.1
830806	4.5	4.7	4.9	5.3	6.3	8.1
830807	4.5	4.6	4.9	5.4	5.8	6.6
830808	4.3	4.5	4.5	5.5	5.9	6.5
830809	4.0	4.2	4.3	5.2	6.0	7.2
830810	3.8	4.0	4.1	4.6	5.4	7.8
830811	3.7	3.8	3.9	4.4	5.1	6.6
830812	3.7	3.7	3.8	4.6	5.0	5.7
830813	3.6	3.6	3.7	4.4	4.9	6.4
830814	3.5	3.5	3.7	4.3	4.9	7.0
830815	3.4	3.5	3.7	3.9	4.5	5.9
830816	3.4	3.5	3.7	4.0	4.9	7.2
830817	3.4	3.5	3.6	3.9	4.7	6.2
830818	3.4	3.5	3.8	3.7	4.8	7.8
830819	3.4	3.6	3.8	3.7	4.8	7.5
830820	3.6	3.6	3.8	4.2	4.7	5.3
830821	3.6	3.6	3.7	4.4	4.8	5.5
830822	3.5	3.6	3.7	4.3	4.9	6.1
830823	3.5	3.6	3.7	4.3	4.7	5.5
830824	3.5	3.6	3.7	4.2	4.7	6.0
830825	3.5	-----	3.7	3.6	-----	4.4
Monthly Value	3.4	4.1	5.5	3.6	5.4	11.3

3-A-114

Table 3-A-30. continued

October 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
831027	2.9	---	3.0	1.2	---	1.6
831028	2.7	2.8	2.9	.7	1.1	1.4
831029	2.4	2.5	2.7	.6	.9	1.2
831030	2.1	2.3	2.5	.5	.8	1.0
831031	1.7	2.0	2.2	0.0	.4	.6
Monthly Value	1.7	---	3.0	0.0	---	1.6

3-A-115

Table 3-A-31. Datapod temperature recorder data summary,
 intragravel and surface water temperature (C),
 at Slough 9, RM 128.6, GC S30N03W09DBC.

May 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830501	3.4	3.5	3.7	1.9	5.2	9.7
830502	3.4	3.5	3.6	3.4	5.1	7.6
830503	3.4	3.5	3.6	2.8	4.4	6.9
830504	3.4	3.5	3.5	2.1	4.4	7.8
830505	3.4	3.5	3.5	.6	2.1	4.1
830506	3.3	3.3	3.4	.2	.8	3.4
830507	3.1	3.1	3.3	0.0	.3	.9
830508	2.8	3.0	3.1	0.0	.4	.9
830509	2.9	3.3	3.5	.6	3.4	7.1
830510	3.3	3.5	3.7	2.1	4.5	7.7
830511	3.4	3.5	3.7	2.1	4.8	8.5
830512	3.4	3.5	3.8	2.7	4.9	8.0
830513	3.4	3.5	3.7	2.5	4.8	8.5
830514	3.4	3.5	3.7	2.8	4.9	8.5
830515	3.4	3.5	3.7	2.5	4.6	7.2
830516	3.3	3.5	3.7	2.2	3.8	6.0
830517	3.4	3.5	3.6	1.7	3.6	5.9
830518	3.4	3.5	3.6	2.4	4.3	7.1
830519	3.4	3.5	3.7	2.8	4.8	7.1
830520	3.4	3.6	3.8	2.8	5.5	8.7
830521	3.5	3.6	3.8	3.5	5.1	7.2
830522	3.5	3.5	3.7	3.7	5.6	8.2
830523	3.5	3.5	3.7	3.6	5.5	8.1
830524	3.5	3.6	3.8	3.7	6.3	9.6
830525	3.5	3.6	3.8	3.1	5.8	8.3
830526	3.5	3.6	3.8	4.5	6.0	8.0
830527	3.5	3.6	3.8	3.8	6.0	8.8
830528	3.5	3.7	3.9	3.7	6.4	9.0
830529	3.6	3.7	3.9	4.5	6.9	9.3
830530	3.8	4.0	4.2	7.2	8.4	10.0
830531	3.9	4.0	4.2	7.7	8.1	8.5
Monthly Value	2.8	3.5	4.2	0.0	4.7	10.0

3-A-116

Table 3-A-31. continued

June 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830601	3.8	3.9	4.0	7.5	8.4	9.6
830602	3.8	3.8	4.0	8.0	8.6	9.5
830603	3.7	3.8	3.9	7.4	8.2	8.8
830604	3.7	3.7	3.9	7.1	7.4	7.9
830605	3.6	3.7	3.8	7.6	8.3	9.5
830606	3.6	3.7	3.9	8.6	9.9	11.8
830607	3.7	3.8	3.9	9.1	10.8	13.3
830608	3.5	3.6	3.9	8.1	9.3	11.1
830609	3.4	3.5	3.6	----	----	----
830610	3.4	3.4	3.5	----	----	----
830611	3.4	3.4	3.5	----	----	----
830612	3.4	3.4	3.5	----	----	----
830613	3.4	3.4	3.5	----	----	----
830614	3.4	3.4	3.5	----	----	----
830615	3.4	3.4	3.5	----	----	----
830616	3.4	3.4	3.5	----	----	----
830617	3.4	3.5	3.6	----	----	----
830618	3.5	3.5	3.7	----	----	----
830619	3.5	3.5	3.5	----	----	----
830620	3.4	3.5	3.6	----	----	----
830621	3.5	3.6	3.6	----	----	----
830622	3.5	3.5	3.6	----	----	----
830623	3.5	3.5	3.5	----	----	----
830624	3.5	3.5	3.5	----	----	----
830625	3.4	3.5	3.5	----	----	----
830626	3.5	3.5	3.5	----	----	----
830627	3.5	3.5	3.6	----	----	----
830628	3.5	3.5	3.5	----	----	----
830629	3.4	3.5	3.5	----	----	----
830630	3.5	3.5	3.5	----	----	----
Monthly Value	3.4	3.6	4.0	7.1	----	13.3

Table 3-A-31. continued

July 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830701	3.4	3.5	3.5	---	---	---
830702	3.4	3.5	3.5	---	---	---
830703	3.4	3.5	3.5	---	---	---
830704	3.4	3.5	3.5	---	---	---
830705	3.5	3.5	3.5	---	---	---
830706	3.4	3.5	3.5	---	---	---
830707	3.4	3.5	3.5	---	---	---
830708	3.5	3.5	3.5	---	---	---
830709	3.5	3.5	3.5	---	---	---
830710	3.5	3.5	3.5	---	---	---
830711	3.4	3.5	3.5	---	---	---
830712	3.4	3.4	3.5	---	---	---
830713	3.4	3.4	3.5	---	---	---
830714	3.4	3.4	3.5	---	---	---
830715	3.4	3.5	3.5	---	---	---
830716	3.4	3.4	3.5	---	---	---
830717	3.4	3.5	3.5	---	---	---
830718	3.4	3.4	3.5	---	---	---
830719	3.4	3.5	3.5	---	---	---
830720	3.4	3.5	3.5	9.5	12.2	16.1
830721	3.4	3.5	3.5	8.2	12.2	17.0
830722	3.4	3.5	3.5	8.6	12.9	17.8
830723	3.4	3.5	3.5	8.7	11.4	13.8
830724	3.4	3.5	3.5	10.8	12.4	14.1
830725	3.4	3.5	3.5	10.6	12.3	14.1
830726	3.4	3.5	3.5	9.2	11.7	14.6
830727	3.4	3.5	3.5	9.2	12.6	17.4
830728	3.4	3.5	3.5	8.1	12.3	17.3
830729	3.4	3.5	3.5	8.2	11.6	15.7
830730	3.4	3.5	3.5	9.2	11.3	13.0
830731	3.4	3.5	3.5	10.3	12.2	14.2
Monthly Value	3.4	3.5	3.5	8.1	---	17.8

3-A-118

Table 3-A-31. continued

August 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830801	3.5	3.5	3.5	11.4	12.8	15.7
830802	3.4	3.5	3.5	10.6	13.1	16.7
830803	3.4	3.5	3.5	10.1	13.3	17.0
830804	3.4	3.5	3.5	10.0	12.2	13.8
830805	3.5	3.5	3.5	10.2	11.7	13.2
830806	3.5	3.5	3.5	10.5	11.5	13.0
830807	3.5	3.5	3.6	10.7	11.3	11.9
830808	3.5	3.5	3.6	10.7	11.1	11.7
830809	3.5	3.5	3.7	10.9	11.3	11.9
830810	3.7	4.1	4.2	10.1	10.7	11.4
830811	3.7	3.9	4.1	10.5	10.9	11.6
830812	3.7	3.7	3.8	10.6	11.3	12.1
830813	3.6	3.7	3.8	10.3	10.8	11.8
830814	3.6	3.6	3.7	9.7	10.3	11.3
830815	3.5	3.5	3.6	7.8	8.9	10.6
830816	3.5	3.5	3.5	---	---	---
830817	3.4	3.5	3.5	---	---	---
830818	3.4	3.5	3.5	---	---	---
830819	3.4	3.5	3.5	---	---	---
830820	3.4	3.5	3.5	---	---	---
830821	3.4	3.5	3.5	---	---	---
830822	3.4	3.5	3.5	---	---	---
830823	3.5	3.5	3.5	6.3	---	10.7
830824	3.5	3.5	3.6	8.4	9.5	10.9
830825	3.5	3.6	3.6	7.9	8.9	10.2
830826	3.5	3.6	3.7	7.2	8.1	8.7
830827	3.5	3.6	3.7	8.0	8.4	8.9
830828	3.5	3.6	3.7	8.2	9.2	11.6
830829	3.5	3.6	3.6	7.2	7.8	8.2
830830	3.5	3.6	3.7	6.8	8.6	12.2
830831	3.6	3.6	3.7	8.7	9.6	10.4
Monthly Value	3.4	3.6	4.2	6.3	10.5	17.0

3-A-119

Table 3-A-31. continued

September 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830901	3.5	3.6	3.7	6.1	7.1	8.8
830902	3.5	3.5	3.6	5.2	5.5	6.1
830903	3.5	3.5	3.6	5.0	5.1	5.3
830904	3.5	3.5	3.5	4.8	---	5.1
830905	3.5	3.5	3.5	---	---	---
830906	3.5	3.5	3.5	---	---	---
830907	3.5	3.5	3.5	---	---	---
830908	3.5	3.5	3.6	---	---	---
830909	3.5	3.5	3.6	---	---	---
830910	3.5	3.5	3.6	---	---	---
830911	3.5	3.5	3.6	---	---	---
830912	3.5	3.5	3.6	---	---	---
830913	3.5	3.5	3.6	---	---	---
830914	3.5	3.5	3.6	---	---	---
830915	3.5	3.5	3.6	---	---	---
830916	3.5	3.5	3.6	---	---	---
830917	3.5	3.5	3.6	2.3	4.3	7.6
830918	3.5	3.5	3.6	2.2	4.3	7.1
830919	3.5	3.5	3.6	2.9	4.7	7.1
830920	3.5	3.5	3.5	4.9	5.5	6.3
830921	3.5	3.5	3.6	5.4	6.2	8.0
830922	3.5	3.5	3.5	5.0	6.0	7.7
830923	3.5	3.5	3.5	2.6	4.2	6.0
830924	3.5	3.5	3.5	.7	1.8	3.5
830925	3.5	3.5	3.5	.6	1.8	4.0
830926	3.5	3.5	3.5	.6	1.8	4.0
830927	3.5	3.5	3.5	.5	2.1	4.2
830928	3.5	3.5	3.5	2.2	3.0	4.0
830929	3.5	3.5	3.5	2.4	3.2	3.7
830930	3.5	3.5	3.5	2.7	3.5	5.0
Monthly Value	3.5	3.5	3.7	.5	---	8.8

3-A-120

Table 3-A-31. continued

October 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
831001	3.5	3.5	3.5	4.1	4.5	5.4
831002	3.5	3.5	3.5	3.7	4.5	5.7
831003	3.5	3.5	3.5	2.4	3.1	4.1
831004	3.5	3.5	3.5	1.5	2.4	3.7
831005	3.5	3.5	3.5	1.8	2.7	3.6
831006	3.5	3.5	3.5	1.5	2.5	3.7
831007	3.5	3.5	3.5	.7	1.4	2.4
831008	3.4	3.5	3.5	.3	1.2	2.6
831009	3.5	3.5	3.5	.4	1.1	1.9
831010	3.4	3.5	3.5	.1	.6	1.7
831011	3.4	3.5	3.5	---	---	---
831012	3.4	3.5	3.5	---	---	---
831013	3.4	3.5	3.5	---	---	---
831014	3.4	3.5	3.5	---	---	---
831015	3.4	3.5	3.5	---	---	---
831016	3.4	3.5	3.5	---	---	---
831017	3.4	3.5	3.5	---	---	---
831018	3.4	3.5	3.5	---	---	---
831019	3.4	3.5	3.5	---	---	---
831020	3.4	3.5	3.5	---	---	---
831021	3.4	3.5	3.5	1.1	2.2	3.4
831022	3.4	3.5	3.5	1.5	2.3	3.4
831023	3.4	3.5	3.5	.4	1.2	2.4
831024	3.4	3.4	3.5	.4	1.0	2.0
831025	3.4	3.4	3.5	.4	.9	1.5
831026	3.4	3.4	3.5	1.0	1.5	2.7
831027	3.4	3.4	3.5	.5	1.5	2.7
831028	3.4	3.4	3.5	1.4	2.0	2.6
831029	3.4	3.4	3.5	.7	1.7	2.6
831030	3.4	3.4	3.5	1.3	1.9	2.6
831031	3.4	3.4	3.5	1.2	1.6	1.9
Monthly Value	3.4	3.5	3.5	.1	2.0	5.7

3-A-121

Table 3-A-32. Ryan temperature recorder data summary,
 surface water temperature (C) at Slough
 9 Incubation Site, RM 128.3,
 GC 930N03W09DCB, 1983.

August 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830831	8.0	---	9.0
Monthly Value	8.0	---	9.0

3-A-122

Table 3-A-32. continued

September 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830901	7.5	8.0	8.0
830902	5.5	6.6	7.5
830903	5.0	5.8	6.5
830904	4.5	5.4	6.0
830905	3.0	4.2	5.0
830906	3.5	4.0	5.0
830907	3.0	4.2	5.0
830908	5.0	5.5	6.0
830909	5.5	5.9	6.5
830910	5.0	5.7	6.0
830911	5.0	5.9	7.0
830912	5.5	6.1	7.0
830913	5.0	5.7	6.5
830914	4.5	5.1	5.5
830915	3.0	4.7	5.5
830916	1.5	2.7	4.0
830917	1.0	2.3	3.5
830918	1.0	2.5	4.0
830919	1.5	3.7	5.5
830920	4.0	4.7	5.0
830921	5.0	-----	6.5
Monthly Value	1.0	5.0	8.0

3-A-123

Table 3-A-33. Datapod temperature recorder data summary,
 intragravel and surface water temperature (C),
 at Slough 10, Northeast, RM 134.0,
 GC S30N02W30CCC.

October 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
831019	3.9	—	4.0	2.5	—	3.6
831020	3.8	3.8	3.9	2.2	2.7	3.2
831021	3.7	3.8	3.9	2.4	3.1	3.7
831022	3.7	3.7	3.8	2.6	3.0	3.6
831023	3.5	3.6	3.7	1.7	2.3	3.1
831024	3.4	3.5	3.6	1.6	2.1	2.9
831025	3.4	3.5	3.6	1.5	2.0	2.4
831026	3.4	3.4	3.5	2.1	2.4	3.2
831027	3.3	3.4	3.5	1.6	2.4	3.2
831028	3.4	3.4	3.5	2.3	2.7	3.3
831029	3.3	3.4	3.5	1.7	2.4	2.9
831030	3.3	3.4	3.4	2.1	2.5	3.0
831031	3.3	3.4	3.4	1.7	2.4	2.7
Monthly Value	3.3	—	4.0	1.5	—	3.7

3-A-124

Table 3-A-34. Datapod temperature recorder data summary,
 intragravel and surface water temperature (C),
 at Slough 10, Northwest, RM 134.0,
 GC S30N02W30CCC.

October 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
831019	3.5	----	3.6	2.4	----	3.3
831020	3.5	3.5	3.6	2.1	2.5	2.7
831021	3.5	3.6	3.6	2.3	2.8	3.3
831022	3.5	3.6	3.7	2.4	2.9	3.5
831023	3.6	3.6	3.7	1.8	2.3	2.9
831024	3.6	3.6	3.7	1.8	2.2	2.7
831025	3.6	3.7	3.7	1.8	2.2	2.6
831026	3.6	3.7	3.7	2.1	2.3	2.8
831027	3.6	3.6	3.7	1.9	2.3	2.8
831028	3.6	3.7	3.7	2.2	2.5	2.8
831029	3.6	3.7	3.7	2.0	2.4	2.7
831030	3.6	3.7	3.7	2.2	2.5	2.8
831031	3.6	3.7	3.7	2.1	2.4	2.6
Monthly Value	3.5	----	3.7	1.8	----	3.5

3-A-124-A

Table 3-A-35. Datapod temperature recorder data summary,
 intragravel and surface water temperature (C),
 at Slough 11, RM 135.7, GC S31N02W30ADC.

May 1983.						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830501	3.6	3.7	3.8	3.5	4.8	7.7
830502	3.6	3.7	3.8	3.7	5.4	7.4
830503	3.6	3.7	3.8	3.7	5.4	7.4
830504	3.6	3.7	3.8	3.8	4.9	6.9
830505	3.6	3.7	3.8	3.6	5.1	8.7
830506	3.6	3.7	3.8	3.7	4.9	8.1
830507	3.6	3.7	3.8	3.7	4.9	8.5
830508	3.6	3.7	3.8	3.8	6.1	9.5
830509	3.6	3.7	3.9	3.8	6.4	8.8
830510	3.7	3.7	3.8	3.8	6.6	9.0
830511	3.6	3.7	3.8	3.8	6.4	9.5
830512	3.7	3.7	3.8	3.9	5.7	8.3
830513	3.6	3.7	3.8	3.7	7.1	9.7
830514	3.6	3.7	3.8	4.7	7.3	9.6
830515	3.6	3.7	3.8	5.3	6.6	8.0
830516	3.6	3.6	3.7	4.6	6.4	8.2
830517	3.6	3.6	3.7	5.3	6.3	7.6
830518	3.6	3.6	3.7	4.9	6.2	7.7
830519	3.5	3.6	3.7	4.1	6.7	9.1
830520	3.6	3.7	3.7	4.5	7.0	9.0
830521	3.6	3.7	3.7	4.1	6.5	7.7
830522	3.6	3.6	3.7	4.4	6.6	8.7
830523	3.6	3.6	3.7	4.0	6.4	8.4
830524	3.6	3.7	3.7	3.8	5.2	7.6
830525	3.6	3.6	3.7	3.6	6.4	8.5
830526	3.6	3.7	3.7	4.2	6.8	8.9
830527	3.6	3.6	3.7	3.9	5.5	8.6
830528	3.6	3.6	3.7	3.9	6.5	9.7
830529	3.6	3.7	3.7	3.8	4.7	7.9
830530	3.6	3.6	3.7	3.9	5.9	8.2
830531	3.5	3.6	3.7	4.1	6.7	8.0
Monthly Value	3.5	3.7	3.9	3.5	6.0	9.7

Table 3-A-35. continued

June 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830601	3.5	3.6	3.7	4.0	6.7	10.0
830602	3.5	3.6	3.6	4.0	6.2	7.6
830603	3.5	3.5	3.6	5.5	5.8	6.5
830604	3.4	3.5	3.6	4.8	5.4	6.2
830605	3.4	3.5	3.5	5.1	6.0	7.5
830606	3.4	3.5	3.6	3.7	5.5	8.4
830607	3.4	3.5	3.6	3.7	6.0	9.3
830608	3.5	3.5	3.6	3.8	5.9	8.3
830609	3.5	3.5	3.6	4.0	5.5	8.5
830610	3.5	3.5	3.6	3.8	5.0	7.0
830611	3.5	3.5	3.6	3.7	6.4	8.2
830612	3.5	3.6	3.6	4.5	6.3	9.4
830613	3.5	3.6	3.7	4.0	6.2	8.8
830614	3.5	3.6	3.7	3.9	5.7	7.6
830615	3.5	3.6	3.7	3.8	4.7	6.3
830616	3.5	3.6	3.7	3.9	4.6	6.2
830617	3.5	3.6	3.7	3.8	4.5	6.2
830618	3.5	3.6	3.7	3.7	4.6	6.1
830619	3.5	3.6	3.7	3.7	4.4	6.4
830620	3.5	3.6	3.7	3.8	4.7	6.4
830621	3.5	3.6	3.7	3.8	4.8	6.3
830622	3.5	3.6	3.7	3.7	4.5	5.7
830623	3.5	3.6	3.7	3.7	4.5	6.2
830624	3.5	3.6	3.7	3.9	4.7	6.4
830625	3.5	3.6	3.7	3.8	4.7	6.7
830626	3.6	3.6	3.7	4.3	5.2	8.1
830627	3.5	3.6	3.6	4.3	5.0	6.2
830628	3.5	3.6	3.6	4.0	5.1	7.3
830629	3.5	3.5	3.6	4.1	5.0	6.7
830630	3.5	3.5	3.6	4.0	4.8	6.2
Monthly Value	3.4	3.6	3.7	3.7	5.3	10.0

3-A-126

Table 3-A-35. continued

July 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830701	3.5	3.5	3.6	3.9	4.9	6.2
830702	3.5	3.5	3.6	4.3	5.6	8.2
830703	3.5	3.5	3.6	3.9	5.9	9.2
830704	3.5	3.6	3.6	3.8	5.9	8.4
830705	3.5	3.6	3.7	4.9	5.7	6.8
830706	3.5	3.6	3.6	4.6	7.0	7.8
830707	3.5	3.5	3.6	5.5	6.6	8.3
830708	3.5	3.5	3.6	5.5	6.6	8.5
830709	3.5	3.5	3.6	4.0	5.8	8.7
830710	3.5	3.5	3.6	4.2	6.8	9.5
830711	3.5	3.6	3.6	4.3	7.1	9.3
830712	3.5	3.6	3.7	4.2	7.2	9.4
830713	3.5	3.6	3.7	4.1	6.4	8.4
830714	3.5	3.6	3.7	4.1	6.4	8.8
830715	3.5	3.6	3.7	4.0	5.9	9.8
830716	3.5	3.6	3.7	4.0	6.3	9.7
830717	3.6	3.6	3.7	3.9	7.0	8.5
830718	3.6	3.6	3.7	4.0	5.2	7.2
830719	3.5	3.6	3.7	3.9	5.3	8.2
830720	3.6	3.6	3.7	3.9	5.5	8.6
830721	3.6	3.6	3.7	3.9	5.4	8.6
830722	3.6	3.6	3.7	3.9	5.0	8.5
830723	3.6	3.7	3.8	4.3	6.5	8.6
830724	3.6	3.7	3.7	4.6	6.8	8.5
830725	3.5	3.6	3.7	4.2	5.8	8.9
830726	3.5	3.6	3.7	3.9	5.3	8.5
830727	3.6	3.6	3.7	3.9	5.3	7.7
830728	3.5	3.6	3.7	3.9	5.4	8.9
830729	3.6	3.7	3.8	3.9	5.1	8.7
830730	3.6	3.7	3.7	3.9	5.3	7.8
830731	3.6	3.6	3.7	4.1	5.7	7.0
Monthly Value	3.5	3.6	3.8	3.8	5.9	9.8

3-A-127

Table 3-A-35. continued

August 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830801	3.6	3.7	3.7	4.0	5.3	8.6
830802	3.6	3.6	3.7	4.0	5.3	7.5
830803	3.6	3.6	3.7	3.9	5.3	7.8
830804	3.6	3.6	3.7	3.9	5.5	8.0
830805	3.6	3.6	3.7	4.6	5.6	6.4
830806	3.6	3.6	3.7	4.7	6.7	9.1
830807	3.6	3.6	3.7	6.4	7.2	8.1
830808	3.6	3.6	3.7	6.4	6.7	7.2
830809	3.5	3.6	3.6	6.1	7.0	8.6
830810	3.5	3.6	3.7	5.8	7.6	10.2
830811	3.5	3.6	3.6	5.8	7.1	8.5
830812	3.5	3.6	3.7	6.4	6.8	7.3
830813	3.5	3.6	3.6	5.8	6.5	7.6
830814	3.5	3.5	3.6	5.5	6.6	8.8
830815	3.5	3.6	3.6	5.1	6.0	7.3
830816	3.5	3.5	3.6	3.7	6.1	9.0
830817	3.5	3.5	3.6	3.7	5.5	7.5
830818	3.5	3.6	3.7	3.8	5.2	7.7
830819	3.5	3.6	3.7	3.8	5.9	8.8
830820	3.6	3.6	3.7	4.7	6.2	6.7
830821	3.5	3.6	3.6	3.8	5.8	7.2
830822	3.5	3.6	3.6	4.0	6.1	7.5
830823	3.5	3.6	3.6	5.0	6.2	7.1
830824	3.5	3.6	3.6	5.3	6.2	7.5
830825	3.5	3.5	3.6	4.3	5.5	6.8
830826	3.5	3.5	3.6	5.1	6.2	8.1
830827	3.5	3.5	3.6	5.3	6.6	8.8
830828	3.5	3.5	3.6	4.7	6.2	8.1
830829	3.5	3.5	3.6	5.0	5.5	6.7
830830	3.5	3.5	3.6	5.4	6.3	8.2
830831	3.5	3.5	3.6	5.5	6.0	6.8
Monthly Value	3.5	3.6	3.7	3.7	6.1	10.2

3-A-12B

Table 3-A-35. continued

September 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830901	3.5	3.5	3.6	5.2	5.6	6.2
830902	3.5	3.5	3.6	4.6	5.9	7.7
830903	3.4	3.5	3.5	4.3	5.3	6.8
830904	3.4	3.5	3.6	3.9	5.0	6.3
830905	3.5	3.5	3.5	3.3	4.8	6.6
830906	3.4	3.5	3.5	3.4	4.8	6.7
830907	3.4	3.5	3.5	3.6	4.9	6.7
830908	3.5	3.5	3.5	4.7	5.4	6.1
830909	3.5	3.5	3.6	4.7	5.6	7.2
830910	3.5	3.5	3.6	4.8	5.8	7.3
830911	3.5	3.5	3.6	4.6	5.6	6.8
830912	3.5	3.5	3.6	4.6	5.7	7.1
830913	3.5	3.5	3.6	4.4	5.4	6.5
830914	3.5	3.5	3.6	3.9	4.8	5.6
830915	3.5	3.5	3.6	4.1	5.2	6.9
830916	3.5	3.5	3.6	3.3	4.5	6.2
830917	3.5	3.5	3.6	3.1	4.4	5.7
830918	3.4	3.5	3.5	3.1	4.2	5.4
830919	3.4	3.5	3.5	3.2	4.2	5.3
830920	3.5	3.5	3.5	4.0	4.8	5.2
830921	3.5	3.5	3.5	4.6	5.2	6.0
830922	3.5	3.5	3.6	4.0	5.1	5.7
830923	3.4	3.5	3.5	2.8	3.8	4.7
830924	3.3	3.5	3.5	1.1	2.2	3.2
830925	3.2	3.3	3.4	.9	2.4	3.6
830926	3.2	3.3	3.4	1.5	2.7	4.5
830927	3.2	3.3	3.4	1.8	2.5	3.4
830928	3.2	3.3	3.3	2.3	2.7	3.2
830929	3.2	3.3	3.3	2.7	2.9	3.2
830930	3.3	3.4	3.4	3.1	3.5	4.4
Monthly Value	3.2	3.5	3.6	.9	4.5	7.7

3-A-129

Table 3-A-35. continued

October 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
831001	3.3	3.4	3.5	3.8	4.2	5.1
831002	3.4	3.4	3.5	3.7	4.2	5.4
831003	3.3	3.4	3.5	2.5	3.4	4.2
831004	3.3	3.4	3.4	2.2	3.1	3.8
831005	3.3	3.3	3.4	2.6	3.0	3.5
831006	3.3	3.3	3.4	2.2	3.0	4.4
831007	3.2	3.3	3.4	1.9	2.5	3.4
831008	3.2	3.3	3.3	1.7	2.3	3.2
831009	3.3	3.3	3.3	1.5	2.2	2.7
831010	3.2	3.2	3.3	1.1	1.7	2.6
831011	3.2	3.2	3.3	2.2	2.6	3.3
831012	3.2	3.3	3.3	2.6	2.8	3.3
831013	3.2	3.3	3.3	2.0	2.7	3.1
831014	3.2	3.3	3.3	1.8	2.3	3.1
831015	3.2	3.3	3.3	2.3	2.6	3.0
831016	3.2	3.3	3.3	1.6	2.1	2.6
831017	3.2	3.3	3.3	1.7	2.2	3.0
831018	3.2	3.3	3.3	2.3	2.8	3.6
831019	3.2	3.3	3.3	2.2	2.6	3.2
831020	3.2	3.3	3.3	1.8	2.3	3.3
831021	3.2	3.3	3.3	2.0	2.5	3.3
831022	3.2	3.3	3.3	2.0	2.5	3.3
831023	3.2	3.3	3.3	2.0	2.6	3.3
831024	3.2	3.3	3.3	2.0	2.3	2.8
831025	3.2	3.2	3.3	1.9	2.2	2.8
831026	3.2	3.2	3.3	1.6	2.0	2.5
831027	3.2	3.2	3.3	1.8	2.1	2.5
831028	3.2	3.2	3.3	2.0	2.2	2.7
831029	3.2	3.2	3.3	1.9	2.2	2.4
831030	3.2	3.2	3.3	2.0	2.3	2.5
831031	3.2	3.2	3.3	1.9	2.1	2.4
Monthly Value	3.2	3.3	3.5	1.1	2.6	5.4

Table 3-A-36. Datapod temperature recorder data summary,
 intragravel and surface water temperature (C),
 at Slough 19, RM 140.0, GC S31N02W10DBA.

May 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830501	3.6	4.0	4.2	4.7	5.9	8.5
830502	3.5	3.7	4.2	4.0	5.1	6.6
830503	2.9	3.3	3.7	2.8	4.5	6.4
830504	2.8	3.1	3.4	2.9	4.5	6.5
830505	2.6	3.0	3.3	2.7	4.4	6.7
830506	2.5	2.9	3.2	2.5	4.0	7.0
830507	2.3	2.7	3.0	2.2	4.0	6.7
830508	2.5	2.8	3.1	2.6	4.4	6.7
830509	2.3	2.7	3.1	1.6	3.4	5.3
830510	2.3	2.6	2.8	2.1	3.8	6.1
830511	2.3	2.7	2.9	2.5	4.4	6.4
830512	2.4	2.7	2.9	2.0	3.6	5.7
830513	2.5	2.7	2.9	2.1	3.4	5.7
830514	2.4	2.7	2.9	2.0	3.4	5.6
830515	2.5	2.8	3.2	2.3	3.8	5.7
830516	3.0	3.2	3.5	3.4	4.4	6.1
830517	3.1	-----	3.5	2.9	-----	4.2
Monthly Value	2.3	-----	4.2	1.6	-----	8.5

Table 3-A-36. continued

June 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830605	4.5	—	5.0	4.2	—	5.2
830606	3.9	4.7	5.8	3.6	4.7	6.2
830607	4.3	5.0	5.9	4.0	5.1	6.5
830608	4.2	4.7	5.5	3.8	4.7	6.1
830609	3.8	4.7	5.7	3.4	4.7	6.3
830610	3.8	4.8	6.5	3.4	4.9	7.2
830611	3.8	4.8	6.2	3.4	4.8	7.0
830612	4.2	5.3	6.9	3.9	5.5	7.8
830613	4.6	5.4	6.2	4.4	5.5	6.4
830614	4.4	5.3	6.6	4.0	5.4	7.3
830615	4.5	5.3	6.5	4.2	5.3	7.1
830616	4.6	5.7	7.3	4.3	5.9	8.1
830617	4.9	5.7	6.7	4.5	5.7	7.1
830618	4.8	5.7	6.9	4.5	5.7	7.5
830619	4.8	5.6	6.7	4.5	5.6	7.0
830620	4.8	5.3	6.1	4.4	5.2	6.1
830621	4.6	5.3	6.1	4.4	5.3	6.3
830622	4.8	5.5	6.0	4.5	5.4	6.2
830623	4.9	5.4	5.9	4.6	5.3	5.9
830624	4.8	5.3	5.8	4.5	5.2	6.1
830625	4.6	5.3	5.6	4.3	5.2	5.7
830626	4.8	5.3	5.6	4.5	5.1	5.5
830627	4.6	4.9	5.6	4.3	4.7	5.6
830628	4.5	4.9	5.5	4.2	4.8	5.6
830629	4.6	5.1	5.6	4.3	4.9	5.5
830630	4.6	5.1	6.6	4.3	5.1	7.2
Monthly Value	3.8	5.2	7.3	3.4	5.2	8.1

3-A-132

Table 3-A-36. continued

July 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830701	4.3	4.5	4.7	4.1	4.8	6.2
830702	4.2	4.3	4.4	4.1	5.0	5.7
830703	4.3	4.4	4.5	4.2	5.3	6.5
830704	4.4	4.5	4.6	4.5	5.5	7.4
830705	4.5	4.6	4.7	4.3	5.4	6.9
830706	4.5	4.7	4.8	4.9	5.4	6.1
830707	4.4	4.5	4.6	4.2	4.7	5.2
830708	4.4	4.4	4.5	4.4	5.0	6.0
830709	4.4	4.5	4.6	4.1	5.1	6.7
830710	4.5	4.6	4.9	4.3	5.8	8.4
830711	4.6	4.7	4.9	4.1	5.9	8.0
830712	4.5	4.7	5.0	4.5	6.3	9.1
830713	4.5	4.8	5.0	4.5	5.6	7.1
830714	4.5	4.5	4.7	4.4	5.3	6.6
830715	4.5	4.6	4.8	4.5	6.1	9.1
830716	4.3	4.5	4.8	3.9	5.5	8.1
830717	4.1	4.3	4.5	4.1	5.2	6.5
830718	4.2	4.4	4.7	4.1	5.4	7.2
830719	4.6	4.7	5.0	4.5	5.9	7.9
830720	4.6	4.9	5.0	4.4	6.4	9.4
830721	4.5	4.8	5.0	4.1	5.6	8.2
830722	4.6	4.7	5.0	4.4	5.8	8.2
830723	4.7	4.8	5.0	4.6	5.3	6.7
830724	4.6	4.6	4.8	4.6	5.2	5.9
830725	4.6	4.7	4.8	4.5	5.6	7.1
830726	4.6	4.8	5.0	4.5	6.0	8.3
830727	4.7	4.8	5.0	4.5	5.8	8.0
830728	4.6	4.8	5.0	4.2	6.1	10.0
830729	4.5	4.8	5.0	4.4	6.1	9.7
830730	4.7	4.8	5.0	4.7	5.2	6.1
830731	4.6	4.7	4.8	4.7	5.3	6.2
Monthly Value	4.1	4.6	5.0	3.9	5.5	10.0

Table 3-A-36. continued

August 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830801	4.7	4.9	5.1	5.0	5.9	7.4
830802	4.9	5.0	5.1	4.5	5.8	7.4
830803	4.9	5.1	5.3	4.9	5.9	8.0
830804	5.0	5.2	5.3	5.0	5.6	6.7
830805	4.9	5.0	5.1	4.9	5.5	6.1
830806	4.8	5.0	5.2	4.8	5.9	7.9
830807	5.2	5.3	5.3	5.5	6.2	6.9
830808	5.0	5.2	5.3	5.0	5.5	6.2
830809	4.9	5.0	5.1	5.0	5.5	6.1
830810	5.0	5.1	5.2	5.3	5.8	6.7
830811	5.0	5.1	5.2	4.7	5.6	6.7
830812	4.8	5.0	5.1	4.8	5.3	6.5
830813	4.7	4.8	4.9	4.7	5.3	6.2
830814	4.8	4.9	5.1	4.8	5.6	7.0
830815	4.9	5.0	5.1	4.4	5.3	6.3
830816	4.8	4.9	5.1	4.5	5.5	7.6
830817	4.8	5.0	5.2	4.1	5.5	7.3
830818	4.7	4.9	5.1	4.0	5.3	7.4
830819	4.7	4.8	5.0	4.0	5.5	8.0
830820	4.6	4.7	4.9	4.5	5.1	6.0
830821	4.5	4.6	4.8	4.7	5.4	6.5
830822	4.7	4.8	5.0	4.9	5.7	7.0
830823	4.9	5.0	5.0	5.0	5.7	6.5
830824	4.8	4.9	5.0	4.8	5.4	6.2
830825	4.8	5.0	5.0	4.5	5.3	6.1
830826	4.9	5.0	5.2	5.1	5.6	6.1
830827	5.0	5.1	5.2	4.6	5.4	5.8
830828	4.8	5.0	5.1	4.4	5.3	6.6
830829	4.7	4.8	5.0	4.3	4.9	5.9
830830	4.6	4.7	4.9	4.7	5.5	6.7
830831	4.7	4.8	4.9	4.9	5.4	5.9
Monthly Value	4.5	4.9	5.3	4.0	5.5	8.0

3-A-134

Table 3-A-36. continued

September 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830901	4.7	4.8	4.9	4.6	5.0	5.4
830902	4.6	4.7	4.9	4.6	5.1	5.9
830903	4.6	4.8	4.9	4.1	5.0	6.3
830904	4.6	4.7	4.9	4.1	4.9	6.0
830905	4.5	4.6	4.7	3.8	4.7	6.4
830906	4.3	4.5	4.6	3.4	4.6	6.6
830907	4.3	4.5	4.6	3.5	4.8	6.9
830908	4.5	4.6	4.7	4.5	5.1	6.2
830909	4.5	4.6	4.7	4.5	5.3	7.0
830910	4.5	4.6	4.7	4.5	5.4	7.7
830911	4.5	4.6	4.7	4.3	5.2	6.3
830912	4.4	4.6	4.7	4.3	5.3	7.2
830913	4.5	4.6	4.7	4.3	5.2	6.5
830914	4.4	4.5	4.6	4.0	4.7	5.3
830915	4.4	4.5	4.6	4.3	5.0	6.7
830916	4.4	4.5	4.6	3.7	4.6	6.2
830917	4.3	4.5	4.6	3.6	4.4	6.2
830918	4.3	4.5	4.5	3.9	4.5	5.5
830919	4.3	4.5	4.5	3.8	4.5	5.6
830920	4.5	4.5	4.5	4.5	4.9	5.5
830921	4.5	4.5	4.6	4.6	5.1	6.0
830922	4.5	4.5	4.6	3.8	5.0	5.5
830923	4.3	4.5	4.5	3.0	4.3	5.5
830924	4.1	4.2	4.5	2.4	3.4	4.7
830925	4.0	4.2	4.3	2.4	3.6	4.8
830926	4.2	4.3	4.4	3.7	4.1	4.8
830927	4.2	4.3	4.4	3.7	4.1	5.4
830928	4.3	4.4	4.4	3.8	4.1	4.8
830929	4.2	4.3	4.4	3.7	4.1	4.7
830930	4.2	4.3	4.4	3.6	4.1	4.7
Monthly Value	4.0	4.5	4.9	2.4	4.7	7.7

3-A-135

Table 3-A-36. continued

October 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
831001	4.2	4.3	4.4	3.9	4.3	5.0
831002	4.2	4.3	4.4	3.7	4.5	5.7
831003	4.1	4.3	4.4	3.1	3.7	4.6
831004	4.1	4.2	4.3	3.2	3.8	4.5
831005	4.1	4.2	4.3	3.0	3.8	4.2
831006	4.1	4.2	4.3	3.2	3.8	4.6
831007	4.1	4.2	4.4	3.5	4.1	5.0
831008	4.1	4.3	4.4	3.5	4.1	5.3
831009	4.2	4.3	4.4	3.3	3.7	4.2
831010	3.8	4.1	4.2	1.9	2.7	3.4
831011	3.8	3.9	3.9	1.9	2.3	2.6
831012	3.8	3.9	3.9	2.3	2.5	2.7
831013	3.9	3.9	4.0	2.3	2.6	2.9
831014	3.9	4.0	4.1	2.7	3.4	4.0
831015	4.0	4.1	4.2	3.3	3.5	4.0
831016	4.0	4.2	4.2	3.3	3.7	4.6
831017	4.1	4.2	4.3	3.4	3.7	4.5
831018	4.1	4.2	4.3	3.5	3.9	5.0
831019	4.1	4.2	4.2	3.0	3.5	4.1
831020	4.0	4.1	4.1	3.4	3.6	4.1
831021	4.0	4.1	4.2	3.3	3.9	5.0
831022	4.0	4.1	4.2	3.5	3.8	4.5
831023	4.0	4.0	4.2	3.4	3.7	4.3
831024	3.9	4.1	4.1	3.4	3.7	4.5
831025	3.9	4.0	4.1	3.4	3.6	4.0
831026	3.9	4.0	4.0	3.3	3.6	4.1
831027	3.8	3.9	4.0	3.2	3.4	3.9
831028	3.8	3.9	3.9	3.1	3.4	3.7
831029	3.7	3.8	3.9	3.1	3.2	3.3
831030	3.7	3.7	3.8	3.0	3.1	3.2
831031	3.6	3.7	3.7	3.0	3.1	3.2
Monthly Value	3.6	4.1	4.4	1.9	3.5	5.7

3-A-136

Table 3-A-37. Datapod temperature recorder data summary,
 intragravel and surface water temperature (C),
 at Lower Sl. 21 - Site 2, RM 141.8,
 GC S31N02W02AAB.

May 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830528	3.5	—	3.6	4.5	—	8.5
830529	3.5	3.6	3.7	3.1	5.2	7.8
830530	3.5	3.6	3.6	3.8	6.3	8.5
830531	3.5	3.6	3.6	7.2	7.5	7.9
Monthly Value	3.5	—	3.7	3.1	—	8.5

3-A-137

Table 3-A-37. continued

June 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830601	3.5	3.6	3.7	7.1	7.5	8.4
830602	3.5	3.6	3.7	7.0	7.6	8.2
830603	3.5	3.6	3.6	6.1	7.0	7.9
830604	3.5	3.6	3.7	5.9	6.1	6.5
830605	3.6	3.6	3.7	6.0	6.8	7.9
830606	3.6	3.6	3.7	4.3	6.0	8.9
830607	3.6	3.6	3.8	3.3	5.4	8.7
830608	3.6	3.6	3.7	3.3	8.0	13.2
830609	3.6	3.6	3.7	3.4	8.2	13.6
830610	3.6	3.6	3.7	3.1	10.6	17.5
830611	3.6	3.6	3.7	5.3	8.6	13.7
830612	3.5	3.6	3.7	4.2	9.2	15.7
830613	3.6	3.7	3.7	2.6	8.7	16.0
830614	3.6	3.7	3.7	4.3	9.6	16.8
830615	3.6	3.7	3.7	3.9	8.0	14.5
830616	3.6	3.7	3.7	4.7	7.8	14.0
830617	3.6	3.7	3.8	3.8	7.4	11.6
830618	3.6	3.7	3.7	5.5	8.1	11.4
830619	3.6	3.7	3.7	4.3	7.5	12.0
830620	3.6	3.7	3.7	6.0	9.6	12.4
830621	3.6	3.7	3.7	8.9	10.6	12.6
830622	3.6	3.7	3.7	8.4	10.6	13.3
830623	3.6	3.7	3.7	9.7	11.5	13.1
830624	3.6	3.7	3.8	9.3	11.2	13.4
830625	3.6	3.7	3.7	8.4	10.7	13.8
830626	3.6	3.7	3.7	7.4	9.7	13.3
830627	3.6	3.7	3.8	8.4	10.1	11.9
830628	3.6	3.7	3.8	9.4	10.5	11.4
830629	3.6	3.7	3.8	8.5	9.7	10.4
830630	3.6	3.7	3.8	6.9	9.3	11.7
Monthly Value	3.5	3.7	3.8	2.6	8.7	17.5

Table 3-A-37. continued

July 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830701	3.6	3.7	3.8	5.3	6.4	7.7
830702	3.6	3.7	3.8	4.5	8.2	12.4
830703	3.6	3.7	3.8	9.4	10.8	12.6
830704	3.6	3.7	3.8	6.5	9.1	10.7
830705	3.6	3.7	3.8	5.5	8.9	12.4
830706	3.7	3.7	3.8	9.8	11.3	12.6
830707	3.7	3.7	3.8	10.1	11.7	12.7
830708	3.7	3.7	3.8	9.8	10.9	12.1
830709	3.7	3.7	3.8	5.8	9.0	10.3
830710	3.7	3.7	3.8	4.5	6.9	11.0
830711	3.7	3.7	3.8	3.9	5.8	8.9
830712	3.7	3.7	3.8	4.5	6.3	10.0
830713	3.7	3.7	3.8	4.3	5.4	8.2
830714	3.7	3.7	3.8	4.0	5.7	8.6
830715	3.7	3.7	3.8	4.3	6.3	10.6
830716	3.7	3.7	3.8	4.0	6.1	9.9
830717	3.7	3.7	3.8	4.2	5.5	7.0
830718	3.7	3.7	3.8	4.2	5.8	8.4
830719	3.7	3.8	3.8	3.7	6.4	11.2
830720	3.7	3.8	3.8	4.1	6.4	10.4
830721	3.7	3.8	3.8	3.7	6.2	10.7
830722	3.7	3.8	3.8	3.6	6.4	10.9
830723	3.7	3.8	3.8	4.5	5.2	6.1
830724	3.7	3.8	3.8	4.1	7.1	10.1
830725	3.7	3.8	3.8	5.3	6.9	9.5
830726	3.7	3.8	3.8	3.8	5.8	8.7
830727	3.7	3.8	3.9	4.2	6.4	10.4
830728	3.7	3.8	3.8	3.8	6.4	10.9
830729	3.7	3.8	3.8	4.0	6.3	10.3
830730	3.7	3.8	3.9	4.5	5.3	6.7
830731	3.7	3.8	3.9	4.4	7.2	10.9
Monthly Value	3.6	3.7	3.9	3.6	7.2	12.7

Table 3-A-37. continued

August 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830801	3.7	3.8	3.8	6.4	8.1	11.2
830802	3.7	3.8	3.9	5.4	7.4	11.1
830803	3.7	3.8	3.9	4.0	6.8	11.4
830804	3.7	3.8	3.9	4.4	5.2	7.2
830805	3.7	3.8	3.9	4.3	5.6	7.4
830806	3.7	3.8	3.9	4.5	7.5	9.9
830807	3.7	3.8	3.9	7.7	9.1	10.1
830808	3.8	3.8	3.8	7.0	8.8	10.0
830809	3.8	3.8	3.9	9.3	9.8	10.2
830810	3.8	3.8	3.9	8.5	9.1	9.6
830811	3.8	3.9	3.9	8.5	9.2	9.9
830812	3.7	3.8	3.9	6.0	8.2	9.2
830813	3.8	3.8	3.9	5.0	8.3	9.8
830814	3.8	3.8	3.9	8.2	8.7	9.3
830815	3.8	3.9	4.0	6.9	7.6	8.3
830816	3.8	3.8	3.9	5.6	7.2	9.1
830817	3.8	3.8	3.9	4.5	6.0	8.7
830818	3.8	3.8	3.9	3.2	5.1	8.7
830819	3.8	3.8	3.9	3.1	4.8	8.4
830820	3.8	3.8	3.9	3.8	4.3	5.2
830821	3.8	—	3.9	3.9	—	4.3
830822	3.7	—	3.9	4.7	—	7.7
830823	3.7	3.8	3.9	4.3	5.2	7.0
830824	3.7	3.8	3.9	4.4	6.3	8.3
830825	3.7	3.8	3.9	6.5	7.2	7.7
830826	3.7	3.8	3.9	6.3	6.9	7.5
830827	3.7	3.8	3.9	7.0	7.5	8.3
830828	3.8	3.8	3.9	7.6	8.1	9.0
830829	3.7	3.8	3.9	4.6	6.2	7.9
830830	3.7	3.8	3.9	4.5	5.7	8.3
830831	3.7	3.8	3.9	6.1	6.9	7.6
Monthly Value	3.7	3.8	4.0	3.1	7.1	11.4

3-A-140

Table 3-A-37. continued

September 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830901	3.7	3.8	3.9	6.2	6.8	7.3
830902	3.7	3.8	3.9	5.6	6.7	7.8
830903	3.7	3.9	4.0	4.1	5.3	6.9
830904	3.7	3.9	4.0	2.8	3.9	5.5
830905	3.7	3.9	4.1	2.5	3.6	5.9
830906	3.7	3.9	4.0	2.8	3.7	6.3
830907	3.7	3.9	4.0	2.8	3.8	5.6
830908	3.7	3.8	3.8	3.4	4.0	5.0
830909	3.7	3.8	3.8	3.4	4.2	5.8
830910	3.7	3.8	3.9	3.4	4.2	6.4
830911	3.7	3.8	3.9	3.4	4.1	5.2
830912	3.7	3.8	3.9	3.4	4.2	6.0
830913	3.7	3.8	3.9	3.4	4.5	6.1
830914	3.7	3.9	3.9	3.0	3.6	4.5
830915	3.7	3.8	3.9	3.3	4.2	6.4
830916	3.7	3.9	4.0	2.5	3.5	6.2
830917	3.7	3.9	4.1	2.3	3.3	6.0
830918	3.7	3.9	4.1	2.3	3.4	5.4
830919	3.7	3.9	4.0	2.6	3.6	5.2
830920	3.7	3.8	3.8	3.5	4.0	4.5
830921	3.7	3.8	3.9	3.7	4.3	5.7
830922	3.7	3.8	3.9	3.0	4.0	4.9
830923	3.8	3.9	4.0	1.9	3.1	4.1
830924	3.8	4.0	4.1	1.5	2.2	3.6
830925	3.8	4.0	4.1	1.3	1.9	3.6
830926	3.8	4.0	4.2	1.4	2.0	3.7
830927	3.8	4.0	4.2	1.3	2.0	3.2
830928	3.7	3.9	4.0	2.2	2.8	3.5
830929	3.7	3.9	3.9	2.6	3.0	3.5
830930	3.7	3.8	3.9	3.0	3.5	4.1
Monthly Value	3.7	3.9	4.2	1.3	3.8	7.8

3-A-141

Table 3-A-37. continued

October 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
831001	3.7	3.8	3.9	3.3	3.6	4.2
831002	3.7	3.8	3.9	2.7	3.5	4.7
831003	3.7	3.8	3.9	1.8	2.5	3.7
831004	3.7	3.9	4.1	1.9	2.3	3.6
831005	3.8	3.9	4.0	2.4	2.8	3.4
831006	3.7	3.9	4.0	1.6	2.5	4.3
831007	3.8	4.0	4.2	1.4	1.8	2.6
831008	3.8	4.0	4.2	.9	1.7	2.8
831009	3.8	3.9	4.0	1.4	2.0	2.4
831010	3.7	3.9	4.0	.3	1.5	2.5
831011	3.7	3.8	3.9	2.4	2.8	3.6
831012	3.7	3.8	3.9	2.6	2.9	3.4
831013	3.7	3.8	4.0	.2	2.4	3.4
831014	3.8	4.0	4.1	1.5	1.9	2.7
831015	3.7	3.9	4.0	1.7	2.5	3.4
831016	3.7	3.9	4.1	1.5	2.2	3.3
831017	3.7	3.9	4.0	1.7	2.1	2.8
831018	3.6	3.8	4.0	2.3	2.8	4.0
831019	3.7	3.8	4.0	1.8	2.6	3.3
831020	3.7	3.9	4.0	1.8	2.3	2.7
831021	3.7	3.8	4.0	1.7	2.5	3.3
831022	3.7	3.8	4.0	1.8	2.4	3.2
831023	3.8	4.0	4.0	1.5	1.9	2.7
831024	3.7	4.0	4.1	1.2	1.8	2.6
831025	3.9	4.0	4.1	1.2	1.6	2.1
831026	3.7	3.9	4.0	1.6	2.1	2.6
831027	3.7	3.9	4.1	1.3	2.0	2.7
831028	3.7	3.9	4.0	1.8	2.3	3.0
831029	3.8	3.9	4.0	1.3	2.0	2.5
831030	3.7	3.9	4.0	1.7	2.2	2.8
831031	3.8	3.9	3.9	1.1	2.0	2.4
Monthly Value	3.6	3.9	4.2	.2	2.3	4.7

3-A-142

Table 3-A-38. Datapod temperature recorder data summary,
 intragravel and surface water temperature (C),
 at Upper Sl. 21, RM 142.0, GC S32N02W36CCC.

May 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830501	3.2	4.3	5.7	2.8	4.5	7.3
830502	4.0	4.3	5.1	4.1	4.7	5.9
830503	.4	3.2	5.0	.1	3.0	5.7
830504	.5	1.3	3.3	0.0	.8	3.0
830505	2.7	3.8	5.7	2.4	3.6	6.1
830506	3.4	4.2	5.8	3.0	4.1	6.4
830507	3.5	4.7	7.0	3.0	4.7	7.9
830508	3.6	4.8	7.3	3.4	4.9	8.3
830509	4.0	5.0	7.5	3.9	5.2	8.2
830510	4.1	5.0	7.1	4.1	5.2	7.9
830511	3.9	5.1	7.4	3.8	5.3	8.6
830512	4.3	5.2	6.4	4.3	5.4	6.9
830513	4.2	5.4	8.0	4.2	5.7	9.2
830514	4.3	5.3	7.2	4.3	5.6	7.9
830515	4.1	5.1	6.6	4.1	5.4	7.2
830516	3.2	4.9	7.0	2.9	5.1	7.8
830517	4.1	4.8	5.8	4.2	5.0	6.2
830518	3.8	4.9	6.3	3.8	5.1	6.8
830519	3.9	4.9	6.3	3.9	5.2	7.0
830520	3.8	5.1	6.8	3.8	5.3	7.6
830521	3.9	4.9	6.5	3.9	5.1	7.0
830522	4.1	5.1	7.2	4.2	5.3	7.9
830523	4.1	5.1	6.9	4.1	5.3	7.5
830524	3.9	5.3	7.2	3.9	5.5	7.8
830525	3.5	5.0	7.0	3.3	5.1	7.6
830526	4.2	5.0	6.6	4.3	5.2	7.2
830527	3.8	4.9	6.6	3.7	5.0	7.2
830528	3.6	5.1	7.0	3.5	5.4	7.7
830529	3.8	5.3	6.9	3.8	5.5	7.5
830530	4.5	5.8	7.8	4.6	6.2	8.6
830531	7.2	7.5	7.8	7.6	7.9	8.4
Monthly Value	.4	4.8	8.0	0.0	5.0	9.2

3-A-143

Table 3-A-38. continued

June 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830601	7.2	7.6	8.4	7.4	8.0	8.9
830602	5.2	6.4	7.5	5.5	6.8	8.1
830603	4.8	6.3	7.1	5.0	6.7	7.6
830604	6.0	6.2	6.4	6.3	6.5	6.8
830605	6.1	6.8	8.2	6.6	7.4	8.8
830606	4.2	5.9	8.6	4.3	6.2	9.4
830607	3.6	5.5	8.5	3.5	5.8	9.3
830608	4.0	5.2	7.4	3.9	5.4	7.8
830609	3.9	5.1	7.1	3.8	5.3	7.5
830610	3.8	5.5	7.8	3.6	5.8	8.5
830611	4.3	5.5	7.3	4.3	5.7	7.9
830612	4.2	5.7	7.9	4.2	5.9	8.7
830613	4.1	5.5	7.2	4.1	5.8	7.8
830614	4.3	5.7	7.5	4.4	6.0	8.1
830615	4.4	5.4	7.1	4.4	5.9	8.7
830616	4.5	5.9	8.2	4.6	6.5	9.2
830617	4.2	6.1	8.8	4.1	6.5	9.8
830618	4.4	6.3	8.8	4.4	6.8	9.8
830619	4.9	6.5	8.3	5.0	7.0	9.4
830620	4.6	7.5	13.1	4.7	8.1	14.9
830621	4.6	6.6	8.9	4.7	7.1	10.0
830622	4.9	6.7	9.0	5.1	7.2	10.0
830623	4.9	7.2	11.0	5.1	7.9	12.8
830624	4.6	6.7	9.1	4.7	7.1	10.1
830625	4.6	6.6	9.2	4.7	7.1	10.2
830626	5.1	6.4	8.6	5.3	6.9	9.4
830627	4.6	5.5	6.4	4.7	5.7	6.9
830628	4.6	6.4	8.7	4.8	7.0	9.7
830629	4.7	6.0	7.4	4.9	6.3	8.0
830630	4.6	6.4	8.7	4.7	6.8	9.8
Monthly Value	3.6	6.2	13.1	3.5	6.6	14.9

3-A-144

Table 3-A-38. continued

July 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830701	5.0	5.6	6.6	5.2	5.9	7.1
830702	4.8	6.0	8.3	5.0	6.5	9.2
830703	4.9	6.5	8.7	5.0	7.0	9.6
830704	5.0	6.4	8.1	5.5	7.0	9.0
830705	5.0	6.6	8.9	5.3	7.1	10.0
830706	5.3	5.9	6.9	5.6	6.3	7.5
830707	4.7	8.2	12.3	5.0	9.0	13.7
830708	6.5	10.1	11.1	6.9	10.9	12.0
830709	4.7	6.0	8.2	4.9	6.4	9.1
830710	4.8	6.3	8.5	5.0	6.8	9.6
830711	4.7	6.0	7.6	4.8	6.5	8.5
830712	5.0	6.2	8.1	5.3	6.7	9.2
830713	5.0	5.8	7.2	5.2	6.2	8.1
830714	4.7	5.8	7.5	4.8	6.3	8.4
830715	4.8	6.1	8.2	5.0	6.7	9.4
830716	4.8	6.0	7.7	5.1	6.5	8.9
830717	5.0	5.7	6.5	5.2	6.1	7.2
830718	4.9	5.9	7.5	5.2	6.4	8.4
830719	4.6	6.2	8.6	4.7	6.7	9.8
830720	4.8	6.2	8.1	5.0	6.6	9.1
830721	4.7	6.1	8.3	4.9	6.6	9.5
830722	4.6	6.0	8.2	4.7	6.5	9.1
830723	5.2	5.6	6.1	5.6	6.0	6.8
830724	4.7	5.6	6.9	5.0	6.0	7.7
830725	4.4	5.7	7.1	4.5	6.1	8.0
830726	4.6	5.7	7.1	4.7	6.1	8.0
830727	4.8	6.1	8.1	5.1	6.6	9.0
830728	4.7	6.1	8.1	4.9	6.5	9.2
830729	4.8	6.0	7.8	5.1	6.5	8.7
830730	5.2	5.7	6.3	5.4	6.0	6.9
830731	5.0	5.8	7.3	5.3	6.2	8.3
Monthly Value	4.4	6.2	12.3	4.5	6.7	13.7

3-A-145

Table 3-A-38. continued

August 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830801	4.9	6.0	7.9	5.2	6.5	8.8
830802	4.6	6.0	8.2	4.8	6.5	9.3
830803	4.6	6.0	8.2	4.9	6.5	9.2
830804	5.1	5.6	6.5	5.4	6.0	7.0
830805	5.0	5.5	6.3	5.2	5.9	6.8
830806	4.7	5.7	7.2	4.9	6.1	7.9
830807	4.9	5.6	6.8	5.2	6.0	7.3
830808	5.3	6.5	9.2	5.6	7.0	10.3
830809	7.3	9.0	10.5	8.0	9.6	11.1
830810	8.8	9.4	9.8	9.2	9.9	10.3
830811	6.4	8.9	9.7	6.8	9.5	10.5
830812	5.3	5.8	6.5	5.6	6.0	6.9
830813	4.9	5.8	7.5	5.0	6.2	8.1
830814	5.0	7.4	11.0	5.3	7.9	12.1
830815	5.3	6.3	7.2	5.5	6.6	7.7
830816	4.3	5.6	7.9	4.4	5.9	8.7
830817	4.1	5.5	7.6	4.0	5.8	8.4
830818	3.9	5.5	7.8	3.8	5.7	8.6
830819	3.8	5.2	7.3	3.7	5.4	8.0
830820	4.5	4.8	5.3	4.5	5.0	5.5
830821	4.4	5.0	6.0	4.6	5.3	6.4
830822	4.6	5.1	6.6	4.7	5.4	7.0
830823	4.6	5.2	6.1	4.7	5.4	6.5
830824	4.4	5.2	6.6	4.7	5.5	7.0
830825	4.0	5.9	8.6	4.0	6.2	9.6
830826	6.6	7.1	7.7	6.9	7.5	8.0
830827	7.1	7.8	8.6	7.4	8.1	9.1
830828	5.6	6.8	8.0	5.8	7.2	8.5
830829	4.3	4.7	5.6	4.3	5.0	5.8
830830	4.6	5.2	6.8	4.9	5.5	7.3
830831	4.6	5.1	5.8	4.9	5.4	6.2
Monthly Value	3.8	6.1	11.0	3.7	6.5	12.1

3-A-146

Table 3-A-38. continued

September 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
830901	4.4	4.7	5.3	4.5	4.9	5.6
830902	3.9	4.9	6.6	3.9	5.1	7.2
830903	3.5	4.5	6.1	3.4	4.6	6.7
830904	3.3	4.3	5.5	3.1	4.3	5.8
830905	3.1	4.1	5.7	2.8	4.0	6.2
830906	3.2	4.0	5.8	2.8	4.0	6.4
830907	3.3	4.1	5.5	2.9	4.0	5.9
830908	4.0	4.4	5.2	3.9	4.5	5.4
830909	4.0	4.6	5.8	4.0	4.6	6.3
830910	4.0	4.6	5.9	4.0	4.6	6.4
830911	4.0	4.5	5.4	3.9	4.6	5.8
830912	4.0	4.6	5.8	3.9	4.6	6.3
830913	4.0	4.6	5.5	3.9	4.6	5.9
830914	3.7	4.2	4.6	3.6	4.4	5.5
830915	3.9	4.4	5.6	3.8	4.9	6.0
830916	3.4	4.0	5.3	3.0	3.9	5.8
830917	3.3	3.8	5.1	2.9	3.7	5.6
830918	3.3	3.8	4.8	2.9	3.7	4.9
830919	3.4	3.9	4.7	3.2	3.8	4.8
830920	3.9	4.1	4.4	3.9	4.3	4.6
830921	4.0	4.3	5.1	4.1	4.5	5.4
830922	3.8	4.3	4.8	4.0	4.5	5.4
830923	2.9	3.7	4.7	2.5	3.6	4.7
830924	2.6	3.0	4.1	2.1	2.7	4.0
830925	2.6	2.9	4.0	2.0	2.5	3.9
830926	2.6	3.0	4.0	2.2	2.6	3.8
830927	2.6	3.0	3.7	2.1	2.6	3.5
830928	3.0	3.3	3.6	2.6	3.0	3.4
830929	3.2	3.5	3.7	3.1	3.4	3.9
830930	3.4	3.7	4.0	3.6	4.0	4.4
Monthly Value	2.6	4.0	6.6	2.0	4.0	7.2

3-A-147

Pages 148 and 149
do not exist

Table 3-A-38. continued

October 1983						
Date	Intragravel			Surface Water		
	Min	Mean	Max	Min	Mean	Max
831001	3.5	3.8	4.2	3.4	3.7	4.2
831002	3.4	3.8	4.7	3.2	4.1	4.8
831003	2.8	3.3	4.1	2.5	3.0	4.1
831004	2.8	3.1	3.9	2.4	2.8	3.8
831005	2.9	3.2	3.6	2.6	3.0	3.4
831006	2.7	3.2	4.2	2.5	3.1	4.6
831007	2.6	2.8	3.3	2.1	2.5	3.0
831008	2.4	2.8	3.4	1.8	2.4	3.1
831009	2.6	2.9	3.0	2.1	2.5	2.7
831010	2.4	2.7	2.9	1.8	2.3	2.7
831011	2.9	3.1	3.6	2.6	2.9	3.4
831012	3.0	3.1	3.4	2.8	3.1	3.5
831013	2.0	2.9	3.4	1.6	2.8	3.4
831014	2.5	2.7	3.2	2.0	2.3	2.9
831015	2.6	3.0	3.5	2.2	2.6	3.2
831016	2.6	2.9	3.4	2.1	2.6	3.2
831017	2.6	2.8	3.3	2.2	2.6	3.1
831018	2.8	3.2	3.8	2.5	3.0	3.7
831019	2.7	3.1	3.5	2.4	2.9	3.3
831020	2.6	2.9	3.2	2.2	2.7	3.0
831021	2.8	3.0	3.5	2.4	2.8	3.3
831022	2.8	3.0	3.4	2.4	2.8	3.2
831023	2.6	2.8	3.2	2.2	2.5	3.0
831024	2.6	2.8	3.2	2.1	2.5	3.0
831025	2.6	2.8	3.0	2.0	2.4	2.7
831026	2.8	3.0	3.2	2.4	2.7	3.0
831027	2.6	2.9	3.3	2.2	2.7	3.0
831028	2.8	3.0	3.4	2.5	2.8	3.1
831029	2.6	3.0	3.2	2.1	2.6	2.9
831030	2.9	3.0	3.2	2.5	2.7	3.0
831031	2.7	3.0	3.1	2.3	2.7	2.8
Monthly Value	2.0	3.0	4.7	1.6	2.8	4.8

3-A-150

Table 3-A-39. Ryan temperature recorder data summary,
 surface water temperature (C) at Yentna
 River - Site 2, RM 28.0, TRM 4.0,
 GC S18N07W34DBC, 1983.

June 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830615	10.8	---	10.8
830616	9.8	10.1	10.3
830617	9.8	10.5	11.3
830618	10.8	11.3	12.3
830619	11.3	11.8	12.3
830620	10.8	11.4	11.8
830621	10.3	11.3	11.8
830622	10.8	11.7	12.8
830623	11.3	11.7	12.3
830624	10.3	10.9	11.3
830625	10.3	10.9	11.3
830626	10.3	10.8	11.3
830627	9.3	9.9	10.8
830628	8.8	9.5	10.3
830629	9.8	10.2	10.8
830630	9.3	10.3	10.8
Monthly Value	8.8	---	12.8

3-A-151

Table 3-A-39. continued

July 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830701	10.3	10.8	11.3
830702	9.3	9.9	10.8
830703	9.3	10.3	11.8
830704	10.3	11.1	11.8
830705	10.3	10.8	11.3
830706	10.8	11.2	12.3
830707	9.3	10.1	11.8
830708	8.8	9.2	9.8
830709	8.8	9.4	9.8
830710	8.8	9.8	11.3
830711	10.3	10.8	11.3
830712	9.8	10.5	10.8
830713	10.3	10.9	11.8
830714	10.8	11.3	11.8
830715	10.3	11.0	11.8
830716	10.8	11.3	11.8
830717	9.8	10.5	11.3
830718	9.8	10.4	10.8
830719	9.8	10.3	11.3
830720	10.3	11.1	11.8
830721	10.8	11.1	11.8
830722	10.3	11.0	11.8
830723	10.8	11.1	11.8
830724	8.8	9.4	10.8
830725	8.8	9.6	10.3
830726	9.3	9.4	9.8
830727	8.8	9.4	9.8
830728	9.8	10.6	11.8
830729	10.8	11.0	11.3
830730	10.3	11.0	11.3
830731	9.8	10.4	11.3
Monthly Value	8.8	10.5	12.3

3-A-152

Table 3-A-39. continued

August 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830801	9.3	10.3	11.3
830802	10.3	11.1	11.8
830803	10.3	11.3	11.8
830804	10.3	10.8	11.8
830805	9.0	9.4	10.5
830806	8.0	8.5	9.0
830807	8.5	8.5	8.5
830808	8.0	8.3	8.5
830809	8.5	8.7	9.0
830810	8.0	8.6	9.5
830811	8.0	8.6	9.0
830812	8.0	8.3	8.5
830813	8.5	8.6	9.0
830814	8.5	8.7	9.0
830815	8.0	8.3	8.5
830816	8.0	8.3	8.5
830817	8.5	8.8	9.0
830818	9.0	9.0	9.0
830819	9.0	9.4	10.0
830820	9.5	9.6	10.0
830821	8.0	8.8	9.5
830822	8.0	8.3	8.5
830823	8.5	8.5	8.5
830824	8.0	8.4	8.5
830825	8.0	8.1	8.5
830826	8.0	8.2	8.5
830827	8.5	9.0	9.5
830828	9.5	9.7	10.0
830829	9.0	9.4	9.5
830830	8.5	8.7	9.0
830831	8.0	8.2	8.5
Monthly Value	8.0	9.0	11.8

3-A-153

Table 3-A-39. continued

September 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830901	8.0	8.3	8.5
830902	8.0	8.3	8.5
830903	8.0	8.0	8.5
830904	7.5	7.8	8.0
830905	7.0	7.3	7.5
830906	7.0	7.2	7.5
830907	6.0	6.7	7.0
830908	5.5	6.3	7.0
830909	6.5	6.5	6.5
830910	6.5	6.9	7.5
830911	7.0	7.1	7.5
830912	7.0	7.0	7.0
830913	6.5	6.5	6.5
830914	6.0	6.2	6.5
830915	5.5	5.6	6.0
830916	5.0	5.3	5.5
830917	4.5	5.0	5.0
830918	4.5	4.6	5.0
830919	4.5	4.7	5.0
830920	5.0	5.1	5.5
830921	5.5	5.7	6.0
830922	6.0	6.0	6.0
830923	3.0	4.8	6.0
830924	.5	1.6	3.0
830925	0.0	.1	.5
830926	0.0	0.0	0.0
830927	0.0	0.0	0.0
830928	0.0	.3	.5
830929	.5	1.1	2.0
830930	2.0	2.9	3.5
Monthly Value	0.0	5.1	8.5

3-A-154

Table 3-A-39. continued

October 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
831001	3.5	3.5	3.5
831002	3.5	3.5	3.5
831003	3.0	3.1	3.5
831004	2.5	2.6	3.0
831005	2.0	2.1	2.5
831006	2.0	2.0	2.0
831007	1.5	---	2.0
Monthly Value	1.5	---	3.5

3-A-155

Table 3-A-40. Ryan temperature recorder data summary,
 surface water temperature (C) at
 Chulitna River - Site 2, RM 98.6, TRM 0.6,
 GC S26N05W15DAB, 1983.

May 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830529	7.7	---	8.7
830530	7.7	8.2	8.7
830531	6.7	7.2	8.2
Monthly Value	6.7	---	8.7

3-A-156

Table 3-A-40. continued

June 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830601	5.7	6.8	8.2
830602	6.7	7.0	8.2
830603	5.2	5.9	6.7
830604	4.7	4.9	5.2
830605	5.2	5.9	7.7
830606	6.2	7.2	8.2
830607	6.7	7.7	9.2
830608	7.2	8.2	9.2
830609	6.7	7.7	8.7
830610	6.7	7.7	9.2
830611	7.2	7.9	9.2
830612	6.7	7.7	8.7
830613	7.7	8.4	9.2
830614	8.2	---	8.7
Monthly Value	4.7	---	9.2

3-A-157

Table 3-A-41. Ryan temperature recorder data summary,
 surface water temperature (C) at
 Chulitna River - Site 3, RM 98.6,
 TRM 2.4, GC S26N05W09ACA, 1983.

July 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830723	7.0	---	7.5
830724	6.5	7.1	8.0
830725	7.0	7.6	8.5
830726	7.5	8.0	8.5
830727	7.5	8.3	9.0
830728	8.0	9.0	10.0
830729	8.5	9.2	10.0
830730	7.5	8.2	9.5
830731	6.5	7.0	7.5
Monthly Value	6.5	---	10.0

3-A-15B

Table 3-A-41. continued

August 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830801	7.0	7.9	9.5
830802	7.5	8.5	9.5
830803	8.0	8.7	9.5
830804	7.0	7.6	9.0
830805	6.5	6.8	7.5
830806	6.5	7.0	7.5
830807	7.0	7.1	7.5
830808	6.5	6.5	7.0
830809	6.5	7.1	8.0
830810	6.0	6.9	7.5
830811	6.0	6.6	7.5
830812	6.5	6.6	7.0
830813	6.5	6.5	6.5
830814	6.0	6.7	7.5
830815	6.0	6.7	7.5
830816	6.0	7.0	8.5
830817	6.5	7.5	8.5
830818	6.5	7.5	8.5
830819	7.0	7.8	8.5
830820	7.0	7.2	8.0
830821	6.5	6.6	7.0
830822	7.0	7.0	7.0
830823	7.0	7.0	7.0
830824	6.5	6.9	7.0
830825	6.0	6.5	7.0
830826	6.5	6.8	7.5
830827	7.0	7.3	7.5
830828	7.5	7.5	7.5
830829	7.0	7.2	7.5
830830	7.0	7.2	7.5
830831	7.5	7.5	7.5
Monthly Value	6.0	7.2	9.5

3-A-159

Table 3-A-41. continued

September 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830901	7.0	7.1	7.5
830902	6.5	6.5	7.0
830903	6.0	6.1	6.5
830904	5.5	5.9	6.0
830905	5.0	5.6	6.0
830906	5.5	5.8	6.0
830907	5.5	5.7	6.0
830908	6.0	6.0	6.0
830909	6.0	6.1	6.5
830910	6.5	6.5	6.5
830911	6.5	6.5	6.5
830912	6.5	6.5	6.5
830913	5.6	6.2	6.5
830914	4.1	4.6	5.6
830915	3.6	4.2	4.6
830916	3.1	4.0	4.6
830917	3.6	4.0	4.6
830918	3.1	3.8	4.6
830919	4.1	4.3	4.6
830920	4.6	4.6	4.6
830921	4.6	4.9	5.6
830922	5.1	5.3	5.6
830923	2.1	3.1	4.6
830924	.1	.6	1.6
830925	.1	.1	.1
830926	.1	.1	.1
830927	.1	.1	.1
830928	.1	.4	.6
830929	.6	1.3	1.6
830930	1.6	2.1	2.6
Monthly Value	.1	4.3	7.5

3-A-160

Table 3-A-41. continued

October 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
831001	2.6	2.8	3.1
831002	2.6	2.8	3.1
831003	1.7	2.2	3.1
831004	.7	1.5	1.7
831005	1.7	1.7	1.7
831006	1.2	1.6	2.2
831007	.2	.6	1.7
831008	.2	.2	.2
831009	.2	.2	.2
831010	.2	.2	.2
831011	.2	—	.7
Monthly Value	.2	—	3.1

3-A-161

Table 3-A-42. Ryan temperature recorder data summary,
 surface water temperature (C) at
 Chulitna River - Site 4, RM 98.6,
 TRM 4.4, GC S27N05W32DAA, 1983.

July 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830723	6.0	-----	6.0
830724	5.0	5.9	7.0
830725	5.0	6.3	7.5
830726	6.0	6.5	7.0
830727	5.5	7.1	8.5
830728	6.0	7.8	9.5
830729	6.5	7.8	9.0
830730	6.0	6.6	8.0
830731	5.0	5.9	7.0
Monthly Value	5.0	-----	9.5

3-A-162

Table 3-A-42. continued

August 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830801	5.5	6.9	9.0
830802	6.0	7.2	8.5
830803	6.0	7.3	8.5
830804	6.0	6.3	7.5
830805	5.5	5.6	6.0
830806	5.0	5.8	6.5
830807	5.0	5.5	6.5
830808	5.0	---	5.0
830817	8.0	---	8.0
830818	5.5	7.0	9.0
830819	6.5	7.5	8.5
830820	6.5	6.8	8.0
830821	5.5	6.2	7.0
830822	6.0	6.5	7.0
830823	6.0	6.6	7.0
830824	6.0	6.3	7.0
830825	5.0	5.7	6.5
830826	6.0	6.9	8.5
830827	6.0	7.2	8.5
830828	6.5	7.3	8.0
830829	6.0	6.3	7.5
830830	6.0	6.9	8.0
830831	6.0	6.6	7.0
Monthly Value	5.0	6.6	9.0

3-A-163

Table 3-A-42. continued

September 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830901	6.0	6.1	6.5
830902	5.5	6.1	7.0
830903	4.5	5.3	6.0
830904	4.5	5.1	6.0
830905	3.5	4.7	6.0
830906	4.0	5.2	6.0
830907	4.0	5.0	6.0
830908	5.5	5.6	6.0
830909	5.0	5.8	6.5
830910	5.5	6.1	7.0
830911	5.0	6.1	7.0
830912	5.5	6.0	6.5
830913	5.5	5.7	6.0
830914	4.0	4.3	5.0
830915	3.5	4.2	5.0
830916	3.5	4.2	5.0
830917	3.5	4.2	5.0
830918	3.0	3.9	4.5
830919	3.5	4.2	4.5
830920	4.5	4.5	4.5
830921	4.5	4.9	5.5
830922	5.0	5.1	5.5
830923	2.5	2.9	4.5
830924	.5	.7	2.0
830925	0.0	.4	.5
830926	0.0	.5	.5
830927	.5	.5	.5
830928	.5	.6	1.0
830929	1.0	1.6	2.0
830930	2.0	2.5	3.0
Monthly Value	0.0	4.1	7.0

3-A-164

Table 3-A-42. continued

October 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
831001	3.0	3.1	3.5
831002	2.5	3.0	3.5
831003	2.0	2.6	3.0
831004	1.2	1.8	2.2
831005	1.7	2.1	2.2
831006	1.2	2.0	2.7
831007	.7	.0	1.7
831008	.2	.2	.7
831009	.2	.2	.2
831010	.2	.2	.2
831011	.2	—	.7
Monthly Value	.2	—	3.5

3-A-165

Table 3-A-43. Ryan temperature recorder data summary,
 surface water temperature (C) at
 Talkeetna River - Site 2, RM 97.2,
 TRM 1.5, GC S26N05W24BDA, 1983.

May 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830529	7.6	---	8.1
830530	7.1	7.8	8.1
830531	6.6	7.1	7.6
Monthly Value	6.6	---	8.1

3-A-166

Table 3-A-43. continued

June 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830601	6.1	7.0	8.1
830602	6.6	7.1	8.1
830603	6.1	6.3	6.6
830604	5.6	6.1	6.1
830605	6.1	7.3	8.6
830606	7.6	8.3	9.1
830607	8.1	8.6	9.1
830608	7.6	8.8	10.1
830609	8.1	8.6	9.1
830610	7.1	8.3	9.6
830611	8.6	8.8	9.1
830612	8.1	9.2	10.1
830613	9.1	9.6	10.1
830614	9.1	10.1	10.8
830615	9.3	10.0	10.8
830616	9.3	9.9	10.8
830617	9.3	10.5	11.8
830618	10.3	11.2	12.3
830625	12.8	---	13.3
830626	11.3	12.3	12.8
830627	10.3	10.9	11.3
830628	9.8	10.6	11.3
830629	10.3	10.6	10.8
830630	10.3	10.8	11.8
Monthly Value	5.6	9.2	13.3

Table 3-A-43. continued

July 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830701	9.8	11.1	11.8
830702	9.8	10.6	11.8
830703	10.3	11.3	12.3
830704	10.8	11.7	12.3
830705	10.8	11.7	12.8
830706	10.3	11.9	13.3
830707	9.8	-----	10.3
830708	9.3	9.9	10.3
830709	9.3	9.6	9.8
830710	9.8	10.6	11.3
830711	10.8	11.0	11.3
830712	9.8	10.3	10.8
830713	10.8	11.1	11.3
830714	10.3	10.6	10.8
830715	10.3	-----	11.3
830716	10.8	11.0	11.3
830717	10.3	10.8	11.3
830718	9.8	10.1	10.8
830719	9.8	10.4	11.3
830720	10.8	11.3	11.8
830721	10.3	11.0	11.8
830722	10.8	11.2	11.8
830723	9.8	11.0	12.3
830724	9.8	9.9	10.3
830725	9.8	10.5	10.8
830726	10.8	11.1	11.3
830727	10.8	11.8	12.8
830728	11.8	12.3	12.8
830729	11.3	12.2	12.8
830730	9.8	10.5	11.3
830731	9.3	9.9	10.3
Monthly Value	9.3	10.9	13.3

Table 3-A-43. continued

August 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830801	10.3	11.2	12.3
830802	10.3	10.8	11.3
830803	10.8	11.2	11.8
830804	9.3	10.7	12.3
830805	9.3	9.4	9.8
830806	8.8	9.6	10.3
830807	9.3	9.7	10.3
830808	8.8	9.3	9.8
830809	9.3	9.7	10.3
830810	8.8	-----	9.8
830811	9.5	10.0	10.5
830812	9.5	9.9	10.5
830813	9.0	9.4	9.5
830814	9.0	9.2	10.0
830815	8.0	8.5	9.0
830816	8.5	9.2	10.0
830817	9.0	9.3	9.5
830818	8.0	9.1	10.0
830819	9.0	9.5	10.5
830820	8.5	9.1	9.5
830821	8.5	8.5	8.5
830822	8.5	9.3	10.0
830823	9.0	9.3	9.5
830824	8.0	8.6	9.0
830825	7.0	7.8	9.0
830826	8.5	9.5	10.5
830827	9.0	9.2	9.5
830828	8.0	8.8	10.0
830829	7.5	8.0	9.5
830830	8.0	8.1	8.5
Monthly Value	7.0	9.4	12.3

3-A-169

Table 3-A-43. continued

September 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830917	5.5	—	6.5
830918	4.0	4.8	5.5
830919	5.0	5.3	5.5
830920	5.5	5.8	6.0
830921	6.0	6.5	7.0
830922	7.0	7.0	7.0
830923	4.5	5.8	6.5
830924	2.0	2.8	4.0
830925	1.0	1.5	2.0
830926	.5	1.0	1.5
830927	.5	.9	1.5
830928	1.5	1.8	2.5
830929	2.5	3.0	3.5
830930	3.5	4.0	4.5
Monthly Value	.5	—	7.0

3-A-170

Table 3-A-43. continued

October 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
831001	4.4	4.5	4.9
831002	3.9	4.3	4.4
831003	2.9	3.5	4.4
831004	1.9	2.2	2.4
831005	2.4	2.4	2.4
831006	1.9	2.2	2.4
831007	.4	.8	1.4
831008	.4	.4	.4
831009	.4	.4	.4
831010	.4	.4	.4
831011	.9	---	1.4
Monthly Value	.4	---	4.9

3-A-171

Table 3-A-44. Datapod temperature recorder data summary, intragravel water temperature (C), at Fourth of July Creek, RM 131.1, TRM 0.0, GC S30N03W03DAC.

September 1983						
Date	Plume			Creek		
	Min	Mean	Max	Min	Mean	Max
830901	6.3	-----	6.4	8.8	-----	8.8
830902	5.6	6.0	6.4	8.1	8.6	8.8
830903	5.4	5.5	5.7	8.5	8.6	8.8
830904	5.5	5.8	6.3	7.5	8.1	8.6
830905	6.3	7.1	7.7	4.8	6.3	7.9
830906	7.7	7.8	7.9	4.6	6.0	7.3
830907	7.3	7.5	7.8	4.5	5.8	7.5
830908	6.9	7.2	7.4	6.7	7.3	8.1
830909	6.8	6.8	6.9	6.9	7.7	8.6
830910	6.8	7.0	7.2	6.9	7.6	8.5
830911	7.2	7.3	7.5	6.6	7.6	8.9
830912	7.4	7.5	7.6	6.9	7.8	8.6
830913	7.5	7.6	7.7	6.6	7.4	8.3
830914	7.6	7.7	7.7	6.1	6.7	7.8
830915	7.4	7.6	7.7	5.6	6.2	7.2
830916	6.9	7.2	7.5	3.5	5.0	6.4
830917	6.3	6.7	6.9	3.0	4.5	5.9
830918	5.7	6.0	6.4	2.8	4.2	5.7
830919	5.2	5.5	5.7	3.6	4.8	6.0
830920	4.9	5.1	5.2	5.5	5.9	6.4
830921	4.9	5.1	5.3	6.3	6.8	7.7
830922	5.3	5.6	5.9	5.9	6.5	7.3
830923	5.9	6.2	6.4	3.5	4.2	6.6
830924	6.4	6.5	6.5	.4	1.2	3.5
830925	6.2	6.4	6.5	-.3	.1	.6
830926	4.6	5.6	6.2	-.3	-.1	.4
830927	2.7	3.6	4.6	-.3	0.0	1.0
830928	1.4	1.9	2.7	.6	1.0	1.6
830929	.8	1.0	1.4	1.3	1.6	2.0
830930	.8	1.0	1.3	1.6	2.0	2.8
Monthly Value	.8	5.9	7.9	-.3	5.2	8.9

Table 3-A-44. continued

October 1983						
Date	Plume			Creek		
	Min	Mean	Max	Min	Mean	Max
831001	1.3	1.5	1.8	2.6	2.8	3.1
831002	1.9	2.3	2.6	2.9	3.0	3.4
831003	2.6	2.9	3.0	1.9	2.5	3.4
831004	2.9	3.0	3.1	.7	1.6	2.5
831005	2.6	2.8	3.0	1.3	1.9	2.5
831006	2.1	2.3	2.6	.8	1.5	2.1
831007	1.9	2.0	2.2	-.3	.1	1.3
831008	1.6	1.8	2.0	-.3	-.2	-.1
831009	1.0	1.3	1.6	-.3	-.2	0.0
831010	.5	.7	1.0	-.3	-.3	-.2
831011	.2	.4	.6	-.2	.4	.9
831012	.1	.1	.2	.9	1.2	1.7
831013	.1	.4	.6	.8	1.4	1.9
831014	.6	.9	1.1	-.3	.3	1.5
831015	1.1	1.2	1.2	0.0	.7	1.5
831016	.7	.0	1.2	-.2	.4	1.2
831017	.6	.7	.7	-.1	.5	1.2
831018	.6	.6	.7	.7	1.4	2.4
831019	.6	.6	.7	.5	1.1	1.9
831020	.7	.9	1.0	-.3	0.0	.5
831021	.9	1.0	1.0	0.0	.6	1.3
831022	.6	.7	.9	.3	.9	1.4
831023	.6	.6	.6	-.3	-.1	.9
831024	.6	.6	.6	-.3	-.2	-.1
831025	.2	.4	.6	-.3	-.2	-.2
831026	-.1	.0	.2	-.3	-.2	-.2
831027	-.2	-.1	0.0	-.3	-.2	-.2
831028	-.2	-.2	-.2	-.3	-.2	-.2
831029	-.2	-.2	-.2	-.3	-.2	-.2
831030	-.2	-.2	-.2	-.2	-.2	-.2
831031	-.2	-.2	-.2	-.2	-.2	-.2
Monthly Value	-.2	1.0	3.1	-.3	.6	3.4

3-A-173

Table 3-A-45. Datapod temperature recorder data summary, surface water temperature (C), at Gold Creek, RM 136.7, TRM 0.2, GC S31N02W20BAD.

May 1983			
Date	Surface Water temperature (C)		
	Min	Mean	Max
830516	3.0	-----	5.5
830517	2.5	3.5	5.0
830518	2.5	3.6	5.0
830519	2.5	4.1	6.5
830520	2.5	4.3	6.5
830521	2.5	3.7	5.5
830522	2.5	4.0	6.5
830523	2.5	3.6	5.5
830524	2.0	3.8	6.0
830525	1.5	3.6	6.0
830526	2.5	3.6	5.5
830527	2.0	3.3	5.0
830528	2.5	4.1	6.0
830529	2.0	3.9	5.5
830530	3.0	3.7	5.5
830531	2.5	2.9	3.5
Monthly Value	1.5	-----	6.5

3-A-174

Table 3-A-45. continued

June 1983			
Date	Surface Water temperature (C)		
	Min	Mean	Max
830601	2.5	3.7	5.5
830602	2.5	3.5	5.0
830603	2.5	3.1	3.5
830604	2.5	3.1	4.0
830605	3.0	4.1	5.5
830606	3.0	4.5	6.0
830607	3.0	4.7	7.0
830608	3.5	4.6	6.5
830609	3.5	4.8	7.0
830610	3.0	5.2	7.0
830611	4.0	5.4	7.0
830612	4.5	5.8	7.5
830613	4.5	6.0	7.5
830614	5.0	6.4	8.0
830615	5.0	6.1	7.5
830616	5.0	6.7	9.0
830617	5.0	7.0	9.5
830618	5.5	7.9	11.0
830619	7.0	8.4	10.5
830620	6.5	8.5	11.0
830621	6.5	9.0	11.5
830622	7.5	9.7	12.0
830623	8.0	9.3	11.0
830624	7.5	9.8	12.5
830625	7.5	10.4	13.0
830626	8.5	9.6	11.0
830627	7.5	8.5	9.5
830628	7.5	9.5	13.0
830629	7.0	8.7	10.5
830630	7.5	9.9	12.5
Monthly Value	2.5	6.8	13.0

Table 3-A-45. continued

July 1983			
Date	Surface Water temperature (C)		
	Min	Mean	Max
830701	8.5	8.9	9.5
830702	8.0	9.4	11.0
830703	8.0	10.4	13.5
830704	9.0	10.5	12.5
830705	9.5	11.4	14.0
830706	9.0	10.1	10.5
830707	8.5	9.9	11.0
830708	9.0	9.8	11.5
830709	8.5	9.9	12.0
830710	8.5	10.6	13.0
830711	9.0	10.5	12.5
830712	9.0	10.5	12.5
830713	9.0	9.9	11.0
830714	8.5	9.9	11.5
830715	9.0	10.9	13.5
830716	9.5	11.0	13.0
830717	9.5	10.5	11.5
830718	9.0	10.5	12.5
830719	8.0	10.6	14.0
830720	9.0	10.9	13.0
830721	8.5	10.9	14.0
830722	8.5	11.3	14.5
830723	9.5	10.1	10.5
830724	9.0	10.1	11.5
830725	8.0	10.4	12.5
830726	8.5	10.7	13.0
830727	9.5	11.3	14.0
830728	9.0	11.8	15.0
830729	10.0	12.0	15.0
830730	10.0	10.9	11.5
830731	10.0	11.1	13.0
Monthly Value	8.0	10.5	15.0

3-A-176

Table 3-A-45. continued

August 1983			
Date	Surface Water temperature (C)		
	Min	Mean	Max
830801	10.0	11.8	15.0
830802	9.0	11.6	14.5
830803	9.0	11.7	15.0
830804	10.5	10.9	11.5
830805	10.0	10.6	11.5
830806	9.5	10.7	12.5
830807	9.5	10.4	12.0
830808	9.5	9.7	10.0
830809	8.5	9.6	10.5
830810	7.5	9.0	10.5
830811	7.5	9.1	10.5
830812	8.5	9.2	10.0
830813	8.0	8.5	9.0
830814	7.0	8.0	9.0
830815	6.5	7.4	8.5
830816	6.0	7.7	9.5
830817	6.5	7.8	9.5
830818	6.0	7.9	9.5
830819	6.0	8.0	10.5
830820	7.5	8.0	9.0
830821	7.0	7.9	9.0
830822	7.5	8.3	9.5
830823	7.5	8.0	9.0
830824	6.5	7.4	8.5
830825	5.5	7.0	8.5
830826	6.5	8.2	10.0
830827	6.5	8.0	10.0
830828	6.5	8.1	10.0
830829	7.0	7.8	8.5
830830	8.0	8.7	10.0
830831	7.5	8.0	8.5
Monthly Value	5.5	8.9	15.0

3-A-177

Table 3-A-45. continued

September 1983			
Date	Surface Water temperature (C)		
	Min	Mean	Max
830901	7.5	7.7	8.0
830902	5.5	6.6	7.5
830903	5.0	6.0	7.0
830904	4.5	5.4	6.5
830905	3.5	4.7	6.0
830906	3.5	4.5	6.0
830907	3.0	4.8	6.5
830908	5.0	5.9	7.0
830909	5.5	6.1	7.0
830910	5.5	6.0	7.5
830911	5.0	6.2	7.5
830912	5.5	6.4	7.5
830913	5.5	6.1	7.0
830914	5.0	5.5	6.0
830915	4.0	5.3	6.5
830916	3.0	4.1	5.5
830917	2.5	3.6	5.0
830918	2.5	3.8	5.5
830919	3.0	4.3	5.5
830920	4.5	5.1	5.5
830921	5.0	5.9	7.0
830922	3.5	5.5	6.5
830923	1.0	3.0	4.0
830924	0.0	.7	2.0
830925	0.0	.3	1.0
830926	-.5	.0	.5
830927	0.0	.1	.5
830928	.5	1.1	2.0
830929	1.5	1.8	2.5
830930	2.0	2.9	3.5
Monthly Value	- .5	4.3	8.0

Table 3-A-45. continued

October 1983			
Date	Surface Water temperature (C)		
	Min	Mean	Max
831001	2.5	3.2	4.0
831002	2.5	3.2	4.5
831003	1.0	1.8	2.5
831004	.5	1.2	2.0
831005	1.5	-----	2.0
Monthly Value	.5	-----	4.5

Table 3-A-46. Datapod temperature recorder data summary, surface water temperature (C), at Indian River, RM 138.6, TRM 1.0, GC S31NQ2W09CBA.

May 1983			
Date	Surface Water temperature (C)		
	Min	Mean	Max
830517	3.0	-----	4.5
830518	2.5	4.0	5.0
830519	3.0	4.6	6.0
830520	3.5	5.5	7.5
830521	4.0	4.7	6.0
830522	4.0	5.2	7.0
830523	4.0	5.3	7.0
830524	4.0	5.9	7.5
830525	3.5	5.8	7.5
830526	5.0	5.6	7.0
830527	4.0	5.5	7.0
830528	4.0	6.4	8.0
830529	4.5	6.6	8.5
830530	5.0	6.0	7.0
830531	4.5	5.0	5.5
Monthly Value	2.5	-----	8.5

3-A-180

Table 3-A-46. continued

June 1983			
Date	Surface Water temperature (C)		
	Min	Mean	Max
830601	4.0	6.1	8.5
830602	4.0	5.2	6.5
830603	4.5	4.5	5.0
830604	4.0	4.9	6.0
830605	4.5	6.0	7.5
830606	5.0	6.8	8.5
830607	4.0	6.9	9.0
830608	5.0	6.7	8.5
830609	5.0	7.0	9.5
830610	5.0	7.7	10.0
830611	6.0	6.9	8.5
830612	5.5	7.5	9.5
830613	5.0	7.5	10.0
830614	6.0	7.7	9.5
830615	6.0	7.3	9.0
830616	6.0	7.7	9.5
830617	5.0	7.9	10.0
830618	6.0	8.8	11.5
830619	7.0	9.0	11.5
830620	6.0	9.0	11.5
830621	6.5	9.5	12.0
830622	7.5	9.7	12.0
830623	7.5	9.4	11.5
830624	7.0	9.8	12.5
830625	7.5	10.4	13.0
830626	8.5	9.9	11.5
830627	7.5	8.7	9.5
830628	8.0	9.6	11.5
830629	7.5	9.4	11.0
830630	8.0	10.4	13.0
Monthly Value	4.0	7.9	13.0

Table 3-A-46. continued

July 1983			
Date	Surface Water temperature (C)		
	Min	Mean	Max
830701	8.5	9.3	10.0
830702	8.5	9.3	10.5
830703	8.0	10.1	12.5
830704	9.0	10.8	12.5
830705	9.0	11.1	13.5
830706	9.0	10.2	11.0
830707	8.5	10.2	12.0
830708	9.0	10.3	12.0
830709	8.5	10.3	12.0
830710	9.0	11.0	13.5
830711	9.5	11.1	13.0
830712	9.5	11.0	13.0
830713	10.0	10.5	11.5
830714	9.0	10.5	12.0
830715	9.5	11.2	13.5
830716	9.5	11.4	13.5
830717	10.0	10.8	12.0
830718	9.5	10.8	12.5
830719	8.5	11.3	14.0
830720	10.0	11.9	14.5
830721	9.5	11.8	14.0
830722	9.0	12.0	15.0
830723	10.0	10.9	12.0
830724	9.5	10.8	12.0
830725	9.0	11.1	13.0
830726	9.0	11.2	13.5
830727	10.0	12.0	14.5
830728	9.5	12.3	15.0
830729	10.5	12.6	15.0
830730	11.0	11.5	12.5
830731	10.0	11.4	13.0
Monthly Value	8.0	11.0	15.0

3-A-182

Table 3-A-46. continued

August 1983			
Date	Surface Water temperature (C)		
	Min	Mean	Max
830801	10.0	12.0	14.0
830802	9.5	12.1	14.5
830803	9.5	12.3	15.0
830804	11.0	11.4	12.0
830805	10.5	10.9	11.5
830806	9.5	11.1	12.5
830807	10.0	10.7	11.5
830808	10.0	10.0	10.0
830809	9.5	9.8	10.5
830810	8.0	9.7	11.0
830811	8.0	9.9	11.5
830812	9.5	9.6	10.0
830813	8.5	9.0	9.5
830814	8.0	8.7	10.0
830815	7.5	8.0	8.5
830816	6.5	8.6	11.0
830817	7.0	8.6	10.5
830818	7.0	8.9	11.5
830819	6.5	8.9	11.5
830820	8.0	8.4	9.0
830821	8.0	8.6	9.5
830822	8.0	8.9	10.0
830823	7.5	8.4	9.0
830824	7.0	8.1	9.0
830825	6.0	7.6	9.0
830826	7.5	8.6	10.5
830827	6.5	8.5	11.0
830828	7.0	8.6	10.5
830829	7.5	8.1	8.5
830830	8.0	8.6	9.5
830831	7.5	7.9	8.5
Monthly Value	6.0	9.4	15.0

3-A-183

Table 3-A-46. continued

September 1983			
Date	Surface Water temperature (C)		
	Min	Mean	Max
830901	7.5	7.7	8.0
830902	6.5	7.3	8.5
830903	5.5	6.7	8.0
830904	5.5	6.5	7.5
830905	4.5	6.1	8.0
830906	4.5	6.0	8.0
830907	4.5	6.1	7.5
830908	6.0	7.0	8.0
830909	6.5	7.3	8.5
830910	6.5	7.3	8.5
830911	6.0	7.4	8.5
830912	6.5	7.4	8.5
830913	6.5	7.2	8.0
830914	5.5	6.3	7.0
830915	5.5	6.7	8.0
830916	4.0	5.9	7.5
830917	3.5	5.5	7.5
830918	3.5	5.5	7.0
830919	4.5	5.8	7.0
830920	6.0	6.3	6.5
830921	6.5	7.0	8.0
830922	4.5	6.4	7.0
830923	2.0	4.2	5.0
830924	1.0	1.6	2.5
830925	.5	1.8	3.0
830926	.5	1.8	3.5
830927	.5	2.0	3.5
830928	2.5	3.2	4.0
830929	3.5	3.7	4.0
830930	3.5	3.7	4.0
Monthly Value	.5	5.6	8.5

Table 3-A-46. continued

October 1983			
Date	Surface Water temperature (C)		
	Min	Mean	Max
831001	4.0	4.2	4.5
831002	3.5	4.3	5.0
831003	2.5	3.2	4.0
831004	1.5	2.6	4.0
831005	2.0	2.9	3.5
831006	1.5	2.6	3.5
831007	.5	1.4	2.5
831008	0.0	1.0	2.0
831009	1.0	1.2	1.5
831010	0.0	.8	2.0
831011	1.5	2.2	3.0
831012	2.0	2.5	3.0
831013	1.5	2.3	3.0
831014	.5	1.1	2.0
831015	1.0	1.9	3.0
831016	.5	1.6	2.5
831017	1.0	1.6	2.5
831018	2.0	2.6	3.5
831019	1.0	-----	2.0
Monthly Value	0.0	-----	5.0

Table 3-A-47. Datapod temperature recorder data summary, surface water temperature (C), at Portage Creek, RM 148.8, TRM 0.2, GC S32N01W25CAB.

May 1983			
Date	Surface Water temperature (C)		
	Min	Mean	Max
830514	3.0	-----	5.0
830515	2.0	3.4	5.5
830516	1.5	3.4	5.0
830517	2.5	3.2	4.0
830518	2.0	3.4	4.5
830519	2.5	4.1	6.5
830520	3.0	4.9	7.5
830521	3.5	4.0	5.0
830522	3.5	4.8	6.5
830523	3.5	4.8	6.0
830524	3.5	5.4	7.5
830525	2.5	5.2	7.5
830526	4.5	5.5	7.0
830527	3.5	5.1	6.5
830528	4.0	6.2	8.0
830529	4.5	6.4	8.5
830530	4.0	5.4	6.5
830531	4.0	4.4	5.0
Monthly Value	1.5	-----	8.5

Table 3-A-47. continued

June 1983			
Date	Surface Water temperature (C)		
	Min	Mean	Max
830601	3.5	5.7	8.5
830602	3.5	5.1	6.5
830603	4.0	4.2	4.5
830604	3.5	4.5	5.5
830605	4.0	5.6	7.0
830606	5.0	6.7	9.5
830607	3.5	6.4	8.5
830608	4.5	6.0	7.0
830609	4.5	6.1	8.0
830610	4.5	6.6	8.5
830611	5.5	6.6	8.0
830612	5.0	6.6	8.5
830613	4.0	6.4	8.0
830614	5.0	6.7	8.0
830615	5.5	6.5	7.5
830616	5.5	7.3	9.5
830617	4.5	6.9	9.5
830618	5.0	7.5	10.0
830619	5.5	7.9	10.5
830620	5.0	7.8	10.5
830621	5.5	8.2	11.5
830622	6.0	8.5	11.5
830623	6.5	8.2	10.0
830624	6.0	8.9	12.0
830625	6.5	9.3	12.5
830626	7.5	9.2	11.5
830627	7.0	7.9	9.0
830628	7.0	8.4	10.0
830629	6.5	8.0	9.5
830630	7.0	9.3	11.5
Monthly Value	3.5	7.1	12.5

Table 3-A-47. continued

July 1983			
Date	Surface Water temperature (C)		
	Min	Mean	Max
830701	8.0	8.6	10.0
830702	7.5	8.8	11.0
830703	7.5	9.4	12.0
830704	8.5	9.7	11.0
830705	8.0	10.2	13.0
830706	9.0	9.4	11.0
830707	8.5	-----	8.5
830728	12.5	-----	14.5
830729	10.5	12.6	14.5
830730	11.0	11.6	13.0
830731	10.0	11.1	12.5
Monthly Value	7.5	-----	14.5

Table 3-A-47. continued

AUGUST 1983			
Date	Surface Water temperature (C)		
	Min	Mean	Max
830801	10.0	11.4	13.0
830802	9.5	11.7	13.5
830803	9.0	11.8	14.0
830804	10.5	11.0	12.5
830805	9.5	10.2	10.5
830806	8.5	9.9	11.0
830807	9.0	9.9	10.5
830808	8.5	8.8	9.5
830809	8.0	8.4	9.0
830810	7.0	8.5	10.5
830811	6.5	8.8	10.5
830812	8.5	8.9	9.5
830813	7.5	8.1	8.5
830814	7.0	7.7	9.0
830815	6.0	7.0	8.0
830816	6.0	8.0	10.5
830817	6.5	7.8	9.0
830818	6.0	8.1	10.5
830819	5.5	8.0	10.0
830820	7.5	7.8	9.0
830821	7.0	7.5	8.0
830822	7.0	7.7	8.5
830823	6.5	7.4	8.0
830824	6.0	7.0	8.0
830825	5.5	6.6	7.5
830826	6.5	7.7	9.0
830827	6.0	7.8	9.5
830828	6.0	7.9	9.5
830829	7.0	7.5	8.0
830830	7.0	7.4	7.5
830831	6.0	6.6	7.5
Monthly Value	5.5	8.5	14.0

Table 3-A-47. continued

September 1983			
Date	Surface Water temperature (C)		
	Min	Mean	Max
830901	6.5	6.5	6.5
830902	5.0	6.0	7.0
830903	4.5	5.6	7.0
830904	4.5	5.4	6.5
830905	3.5	5.0	6.5
830906	3.5	5.0	6.5
830907	3.5	5.0	6.5
830908	5.5	6.1	7.0
830909	5.5	6.4	7.5
830910	5.5	6.3	7.5
830911	5.5	6.6	7.5
830912	5.5	6.7	8.0
830913	6.0	6.5	7.0
830914	4.5	5.3	6.0
830915	5.0	5.8	7.0
830916	3.0	4.5	6.0
830917	2.5	4.3	5.5
830918	2.5	4.2	5.5
830919	3.5	4.7	6.0
830920	5.0	5.6	6.0
830921	5.5	6.4	7.0
830922	5.0	6.1	6.5
830923	2.0	3.7	5.0
830924	.5	1.0	2.0
830925	0.0	.4	1.0
830926	0.0	.2	.5
830927	0.0	.5	1.5
830928	1.5	2.0	2.5
830929	2.5	2.7	3.0
830930	3.0	3.6	4.0
Monthly Value	0.0	4.6	8.0

Table 3-A-47. continued

October 1983			
Date	Surface Water temperature (C)		
	Min	Mean	Max
831001	3.5	3.9	4.5
831002	3.0	3.8	4.5
831003	1.5	2.4	3.0
831004	.5	1.7	2.5
831005	2.0	2.2	2.5
831006	1.0	1.9	2.5
831007	0.0	.2	.5
831008	0.0	.1	.5
831009	0.0	.3	.5
831010	0.0	.2	.5
831011	1.0	1.8	2.5
831012	2.0	2.4	3.0
831013	1.0	1.7	2.0
831014	0.0	.2	.5
831015	0.0	.8	1.5
831016	0.0	.6	1.5
831017	0.0	.5	1.0
831018	1.0	2.0	3.0
831019	1.5	-----	2.0
Monthly Value	0.0	-----	4.5

Table 3-A-48. Ryan temperature recorder data summary,
 surface water temperature (C) at Tsusena
 Creek, RM 181.8, TRM 0.1,
 GC S3-2N04E36ADB, 1983.

May 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830526	5.0	---	6.0
830527	4.0	5.1	6.5
830528	5.0	6.7	8.5
830529	4.5	6.0	7.5
830530	3.5	4.9	6.5
830531	3.0	3.9	5.0
Monthly Value	3.0	---	8.5

Table 3-A-48. continued

June 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830601	3.0	5.2	7.5
830602	3.5	4.8	6.5
830603	3.5	3.9	4.5
830604	3.5	4.3	5.5
830605	4.0	5.8	7.5
830606	5.0	6.8	9.0
830607	4.0	6.5	9.0
830608	4.5	5.9	7.0
830609	4.5	5.7	7.0
830610	4.5	6.1	7.5
830611	5.0	6.5	8.0
830612	5.5	6.8	8.0
830613	5.0	6.9	8.5
830614	5.5	6.8	8.5
830615	5.0	6.7	8.0
830616	5.5	7.0	9.0
830617	4.5	6.9	9.0
830618	5.5	8.0	10.5
830619	6.0	8.1	10.0
830620	5.0	7.7	10.5
830621	6.0	8.5	11.0
830622	6.0	8.9	11.5
830623	6.5	8.6	10.5
830624	6.0	9.1	12.0
830625	6.5	9.7	13.0
830626	8.0	9.8	12.0
830627	7.0	7.9	9.5
830628	7.0	8.5	10.0
830629	6.5	8.3	9.5
830630	7.5	9.6	12.0
Monthly Value	3.0	7.2	13.0

Table 3-A-48. continued

July 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830701	8.5	9.4	10.0
830702	8.0	9.1	10.0
830703	8.0	9.7	11.5
830704	8.5	9.6	10.5
830705	8.5	10.8	13.5
830706	9.5	10.7	11.5
830707	9.0	9.8	11.0
830708	8.5	10.0	11.5
830709	8.5	9.5	10.0
830710	8.5	10.5	12.5
830711	9.0	10.1	11.0
830712	9.0	11.4	14.0
830713	9.0	10.1	12.0
830714	8.5	9.8	11.0
830715	9.0	10.6	12.0
830716	8.5	10.4	12.0
830717	10.0	10.2	11.0
830718	8.5	----	9.5
Monthly Value	8.0	----	14.0

Table 3-A-48. continued

August 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830824	6.4	---	7.4
830825	5.4	5.9	6.4
830826	5.9	7.3	9.4
830827	5.4	7.1	8.9
830828	5.4	7.3	8.9
830829	6.9	7.2	7.9
830830	6.4	7.0	7.4
830831	5.9	6.2	6.9
Monthly Value	5.4	---	9.4

Table 3-A-48. continued

September 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830901	5.9	5.9	5.9
830902	4.9	5.7	6.4
830903	4.4	5.2	6.4
830904	3.9	4.8	5.9
830905	3.4	4.6	5.9
830906	2.9	4.5	5.9
830907	3.4	4.5	5.4
830908	4.9	5.4	5.9
830909	4.9	5.5	5.9
830910	4.9	5.7	6.9
830911	4.9	5.8	6.4
830912	4.9	5.9	6.9
830913	4.5	5.0	5.4
830914	3.5	4.0	4.5
830915	3.5	4.0	4.5
830916	2.0	3.4	5.0
830917	1.5	3.1	4.5
830918	1.5	2.9	4.0
830919	3.0	3.5	4.0
830920	4.0	4.3	4.5
830921	4.5	4.7	5.0
830922	4.0	4.7	5.0
830923	1.0	2.0	3.0
830924	0.0	.0	.5
830925	0.0	0.0	0.0
830926	0.0	0.0	0.0
830927	0.0	0.0	0.0
Monthly Value	0.0	3.9	6.9

Table 3-A-49. Ryan temperature recorder data summary,
 surface water temperature (C) at Deadman
 Creek, RM 186.7, TRM 0.1, GC S32N04E31CDB,
 1983:

May 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830526	4.8	5.3	6.3
830527	4.3	5.3	6.3
830528	5.3	6.8	8.3
830529	6.3	6.8	7.3
830530	5.3	6.3	7.3
830531	4.3	5.2	6.3
Monthly Value	4.3	---	8.3

Table 3-A-49. continued

June 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830601	4.3	5.8	7.3
830602	5.8	6.0	6.3
830603	4.3	4.8	5.8
830604	4.3	4.9	5.8
830605	5.3	6.6	7.8
830606	6.8	7.8	8.8
830607	6.8	7.6	8.3
830608	6.8	7.3	7.8
830609	6.3	6.7	7.3
830610	5.8	7.0	7.8
830611	6.8	7.6	8.3
830612	7.3	8.4	9.8
830613	7.3	8.4	9.3
830614	7.8	8.8	9.8
830615	8.3	8.9	9.8
830616	7.8	8.7	9.3
830617	7.3	8.8	9.8
830618	8.3	10.6	12.3
830619	10.8	11.6	12.8
830620	9.3	10.5	11.8
830621	10.8	11.6	12.8
830622	10.8	12.1	13.3
830623	11.3	12.2	12.8
830624	10.3	12.7	14.3
830625	11.8	14.2	16.3
830626	12.8	14.3	15.8
830627	12.3	12.5	13.3
830628	10.8	12.1	12.8
830629	11.3	12.5	13.3
830630	11.8	13.7	15.3
Monthly Value	4.3	9.5	16.3

Table 3-A-49. continued

July 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830701	13.8	14.2	14.8
830702	12.3	13.0	13.8
830703	12.3	13.4	14.8
830704	13.3	14.1	15.3
830705	13.3	14.8	16.8
830706	14.3	15.1	15.8
830707	13.3	13.8	14.3
830708	12.8	14.0	15.3
830709	12.3	13.3	14.3
830710	12.3	14.1	16.3
830711	13.3	13.6	14.3
830712	12.3	14.1	16.3
830713	12.8	13.5	14.3
830714	12.3	13.1	14.3
830715	12.3	13.6	14.8
830716	12.3	14.0	15.3
830717	12.3	13.3	13.8
830718	10.9	11.6	12.3
830719	9.4	11.3	12.9
830720	11.9	12.9	13.9
830721	11.4	13.3	14.9
830722	10.9	13.7	15.9
830723	12.4	12.9	14.4
830724	11.4	12.4	13.4
830725	10.9	13.2	15.4
830726	11.4	13.3	14.9
830727	12.4	14.4	16.4
830728	12.4	15.1	17.4
830729	13.9	15.3	16.9
830730	12.9	13.7	14.4
830731	11.9	12.7	13.4
Monthly Value	9.4	13.6	17.4

Table 3-A-49. continued

August 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830801	12.4	13.2	14.4
830802	10.9	12.9	14.9
830803	11.4	13.6	15.9
830804	12.9	13.4	13.9
830805	11.9	12.3	12.9
830806	10.9	11.6	12.4
830807	10.9	11.8	12.4
830808	10.4	10.9	11.4
830809	9.4	10.2	10.9
830810	9.9	10.8	11.9
830811	9.4	11.0	12.4
830812	10.4	11.1	11.4
830813	9.4	9.7	10.4
830814	8.4	9.1	9.4
830815	7.9	8.4	8.9
830816	7.9	9.1	10.4
830817	8.4	9.5	10.4
830818	7.9	9.3	10.9
830819	7.9	9.7	11.4
830820	8.5	9.3	9.9
830821	7.5	8.2	8.5
830822	8.0	-----	8.5
Monthly Value	7.5	10.7	15.9

Table 3-A-49. continued

September 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830913	5.7	----	6.2
830914	4.7	5.0	5.7
830915	4.2	4.9	5.7
830916	3.2	4.4	5.7
830917	3.2	4.2	5.7
830918	2.7	3.7	4.7
830919	3.7	4.0	4.7
830920	4.2	4.7	5.2
830921	5.2	5.5	6.2
830922	4.2	5.4	6.2
830923	.2	2.0	3.2
830924	.2	.3	.7
830925	.2	----	.2
Monthly Value	.2	----	6.2

Table 3-A-50. Ryan temperature recorder data summary,
 surface water temperature (C) at Watana
 Creek, RM 194.1, TRM 0.1,
 GC S32N06E25CCA, 1983.

May 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830517	3.3	---	5.3
830518	2.8	3.7	4.8
830519	2.8	4.5	6.3
830520	3.3	5.3	7.8
830521	3.3	4.3	5.3
830522	3.3	4.6	6.3
830523	3.3	4.7	6.3
830524	3.3	5.2	7.3
830525	2.8	5.4	8.3
830526	4.3	5.0	6.3
830527	3.3	5.0	6.3
830528	4.3	6.7	9.3
830529	4.3	5.9	7.8
830530	4.3	5.4	6.8
830531	4.8	---	8.3
Monthly Value	2.8	---	9.3

Table 3-A-50. continued

June 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830601	3.8	6.8	9.8
830602	4.8	6.3	7.3
830603	4.8	5.4	5.8
830604	4.3	5.4	6.3
830605	4.8	7.3	9.8
830606	5.8	7.7	9.8
830607	4.8	7.8	10.8
830608	5.3	7.0	8.3
830609	5.8	6.7	7.8
830610	5.3	7.0	8.8
830611	5.8	7.2	8.8
830612	5.8	8.0	10.3
830613	5.8	7.9	9.8
830614	6.3	8.5	10.8
830615	6.3	8.1	10.3
830616	6.3	8.6	10.3
830617	5.8	8.9	11.8
830618	6.3	9.9	12.8
830619	7.8	9.9	12.3
830620	6.3	10.1	13.8
830621	7.3	10.4	12.8
830622	8.3	11.7	14.3
830623	8.8	11.5	13.8
830624	8.3	11.9	15.8
830625	8.3	12.3	16.3
830626	10.3	12.6	15.8
830627	8.8	9.5	10.3
830628	8.8	10.5	12.3
830629	7.8	9.7	10.8
830630	8.8	11.5	14.3
Monthly Value	3.8	8.9	16.3

Table 3-A-50. continued

July 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830701	9.8	10.9	11.8
830702	9.3	10.8	12.3
830703	8.8	11.3	13.8
830704	10.3	11.4	12.8
830705	9.8	12.5	15.3
830706	11.3	12.3	13.8
830707	9.8	11.1	12.3
830708	8.8	11.2	13.3
830709	9.3	10.5	11.8
830710	8.8	11.7	14.8
830711	9.8	10.9	12.3
830712	9.8	12.1	15.8
830713	9.8	10.6	11.8
830714	8.8	10.8	12.3
830715	8.8	11.3	13.8
830716	8.8	11.4	13.8
830717	9.8	10.7	11.3
830718	8.8	9.3	9.9
830719	6.4	9.2	11.4
830720	8.4	10.7	12.4
830721	8.4	10.9	12.9
830722	6.9	10.7	14.4
830723	9.4	10.2	11.4
830724	8.4	10.5	12.9
830725	7.9	10.9	13.4
830726	7.9	10.6	13.4
830727	8.4	11.4	14.4
830728	8.4	11.6	14.9
830729	9.9	11.8	13.9
830730	9.9	10.2	10.4
830731	8.9	10.3	11.9
Monthly Value	6.4	11.0	15.8

3-A-204

Table 3-A-50. continued

August 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830801	9.4	10.3	11.4
830802	7.4	10.2	12.9
830803	7.4	10.8	14.4
830804	8.9	9.5	10.4
830805	8.9	9.4	9.9
830806	8.4	9.7	10.9
830807	8.9	9.8	10.4
830808	8.4	8.9	9.4
830809	8.4	9.1	9.9
830810	8.4	9.6	11.4
830811	6.9	9.2	11.4
830812	8.4	8.7	9.4
830813	7.9	8.2	8.9
830814	7.4	7.6	7.9
830815	6.4	6.8	7.4
830816	6.4	7.8	9.4
830817	5.9	7.6	9.4
830818	5.4	7.4	9.4
830819	4.9	7.7	10.4
830820	6.1	6.6	7.4
830821	5.6	6.3	7.1
830822	6.1	6.7	7.1
830823	6.1	6.4	6.6
830824	5.1	5.9	6.6
830825	5.1	5.4	5.6
830826	5.1	6.2	7.6
830827	4.6	6.3	8.1
830828	4.6	6.3	8.1
830829	5.6	6.2	6.6
830830	5.6	6.3	7.1
830831	5.1	6.1	7.1
Monthly Value	4.6	7.8	14.4

3-A-205

Table 3-A-50. continued

September 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830901	5.1	5.7	6.1
830902	4.1	5.4	6.6
830903	3.6	4.8	6.1
830913	4.5	—	5.0
830914	3.0	3.7	4.5
830915	3.0	3.8	5.0
830916	1.5	3.1	5.0
830917	1.0	2.7	4.5
830918	.5	2.2	4.0
830919	2.5	3.2	4.0
830920	3.0	4.1	5.0
830921	4.0	4.6	5.0
830922	3.5	4.2	4.5
830923	.5	1.5	3.0
830924	0.0	.2	.5
830925	0.0	.3	.5
830926	0.0	.1	.5
830927	0.0	.1	.5
830928	0.0	.3	.5
830929	.5	.7	1.0
830930	1.0	1.5	2.0
Monthly Value	0.0	2.7	6.6

3-A-206

Table 3-A-50. continued

October 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
831001	1.5	2.0	2.5
831002	2.0	2.2	3.0
831003	.5	.8	1.5
831004	0.0	.2	.5
831005	.5	.7	1.0
831006	0.0	.4	1.0
831007	0.0	0.0	0.0
831008	0.0	0.0	0.0
831009	0.0	0.0	0.0
831010	0.0	0.0	0.0
831011	0.0	.5	.5
831012	.5	----	.5
Monthly Value	0.0	----	3.0

3-A-207

Table 3-A-51. Ryan temperature recorder data summary,
 surface water temperature (C) at Kosina
 Creek, RM 206.8, TRM 0.1,
 GC S31N08E15BAB, 1983.

May 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830526	5.5	----	6.0
830527	4.0	5.0	6.0
830528	5.0	6.8	9.0
830529	5.0	6.3	7.5
830530	4.5	6.4	8.5
830531	4.5	5.8	8.5
Monthly Value	4.0	----	9.0

3-A-207A

Table 3-A-51. continued

June 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830601	4.0	7.1	10.5
830602	5.5	6.4	7.5
830603	4.5	5.3	6.0
830604	4.5	5.9	7.5
830605	5.5	8.0	10.5
830606	6.5	8.9	11.0
830607	6.5	8.8	11.0
830608	7.0	7.9	8.5
830609	6.0	6.5	7.0
830610	5.0	7.0	8.5
830611	6.5	7.8	9.5
830612	7.0	8.8	11.0
830613	7.0	9.4	11.5
830614	8.0	9.6	11.0
830615	8.0	9.3	10.5
830616	8.5	9.7	11.0
830617	7.5	9.4	11.0
830618	8.0	11.3	14.5
830619	9.5	----	11.0
830630	11.3	----	14.3
Monthly Value	4.0	----	14.5

3-A-208

Table 3-A-51. continued

July 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830701	11.3	12.5	13.3
830702	9.8	11.7	13.3
830703	9.8	12.0	13.8
830704	11.8	12.1	13.3
830705	10.8	14.0	17.3
830706	12.8	14.0	15.3
830707	10.3	11.4	12.3
830708	10.3	11.9	13.8
830709	10.3	11.4	12.8
830710	9.8	12.0	14.8
830711	10.8	11.7	12.3
830712	10.3	12.7	15.3
830713	10.8	11.7	12.8
830714	10.3	11.6	13.3
830715	10.3	12.1	14.3
830716	10.3	12.4	14.3
830717	10.8	11.8	12.8
830718	9.3	10.4	11.8
830719	8.3	11.0	13.3
830720	11.3	12.8	13.8
830721	10.3	12.3	14.3
830722	9.3	12.7	15.3
830723	11.3	12.3	14.3
830724	10.3	12.0	13.8
830725	10.3	12.8	15.3
830726	10.3	12.5	14.3
830727	10.3	12.9	15.3
830728	10.8	13.6	16.3
830729	12.3	13.8	14.8
830730	11.3	11.9	13.3
830731	10.3	11.9	13.8
Monthly Value	8.3	12.3	17.3

3-A-209

Table 3-A-51. continued

August 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830801	11.3	12.2	13.3
830802	9.3	11.8	13.8
830803	9.8	12.7	15.8
830804	11.3	12.1	14.3
830805	10.8	11.2	11.8
830806	9.8	11.2	12.8
830807	10.8	11.6	12.3
830808	10.3	10.9	11.3
830809	9.8	10.7	11.3
830810	9.3	11.2	13.3
830811	9.3	11.1	12.3
830812	9.3	10.4	11.3
830813	8.3	9.4	10.3
830814	7.8	8.5	9.3
830815	6.8	7.7	8.3
830816	7.3	9.1	11.3
830817	7.3	8.6	9.3
830818	6.3	8.8	10.8
830819	6.3	9.1	11.8
830820	8.3	8.8	10.3
830821	8.1	8.6	9.1
830822	8.6	9.2	10.1
830823	8.1	8.4	9.1
830824	7.1	7.6	8.1
830825	5.6	6.3	7.1
830826	6.6	7.6	9.1
830827	7.1	8.6	10.1
830828	6.6	8.4	10.1
830829	7.1	7.9	9.1
830830	7.6	8.1	9.1
830831	6.6	7.4	8.1
Monthly Value	5.6	9.5	15.8

3-A-210

Table 3-A-51. continued

September 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830901	6.6	7.3	8.1
830902	6.1	7.2	8.1
830903	5.1	6.2	7.6
830904	4.6	5.6	6.6
830905	3.1	4.9	6.6
830906	3.6	5.0	6.1
830907	4.1	4.9	6.1
830908	5.6	5.8	6.1
830909	5.6	6.0	6.1
830910	5.6	6.2	6.6
830911	5.6	5.9	6.1
830912	5.6	6.1	6.6
830913	4.5	4.8	5.6
830914	2.5	3.7	4.5
830915	3.5	4.1	5.0
830916	1.5	3.2	4.5
830917	1.5	3.2	4.5
830918	1.0	2.5	3.5
830919	2.0	2.8	3.5
830920	3.5	4.1	5.0
830921	4.0	4.5	5.0
830922	4.0	4.6	5.0
830923	0.0	1.5	3.5
830924	0.0	0.0	0.0
830925	0.0	0.0	0.0
830926	0.0	0.0	0.0
830927	0.0	0.0	0.0
830928	0.0	0.0	0.0
830929	0.0	.3	1.0
830930	.5	.8	1.5
Monthly Value	0.0	3.7	8.1

3-A-211

Table 3-A-51. continued

October 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
831001	.5	1.0	1.5
831002	1.0	---	1.0
Monthly Value	.5	---	1.5

3-A-212

Table 3-A-52. Ryan temperature recorder data summary,
 surface water temperature (C) at Goose
 Creek, RM 231.3, TRM 0.1,
 GC S30N11E32DBC, 1983.

May 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830525	3.8	---	6.3
830526	1.3	2.5	3.8
830527	1.3	2.9	4.3
830528	2.3	3.8	5.3
830529	1.3	3.1	4.8
830530	1.3	3.2	5.8
830531	2.3	3.1	4.8
Monthly Value	1.3	---	6.3

Table 3-A-52. continued

June 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830601	.8	4.0	7.3
830602	2.8	3.6	4.3
830603	1.8	2.5	3.3
830604	1.8	3.2	4.3
830605	2.8	---	3.3
830619	7.3	---	10.3
830620	5.8	8.1	10.8
830621	6.8	9.4	11.8
830622	8.3	10.3	12.3
830623	7.3	9.9	12.3
830624	7.3	10.4	13.3
830625	7.8	11.1	14.3
830626	9.8	11.5	13.8
830627	8.8	9.4	10.3
830628	8.3	9.4	10.8
830629	7.8	9.0	9.8
830630	7.8	10.7	13.3
Monthly Value	.8	---	14.3

3-A-214

Table 3-A-52. continued

July 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830701	9.8	11.1	12.3
830729	11.1	12.4	13.6
830730	11.1	11.5	12.1
830731	10.1	11.3	13.1
Monthly Value	9.8	---	13.6

3-A-215

Table 3-A-52. continued

August 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830801	10.6	11.6	12.6
830802	9.1	11.3	13.6
830803	8.6	11.9	15.1
830804	10.6	11.4	12.6
830805	10.1	10.5	11.1
830806	9.1	10.6	12.1
830807	8.6	10.1	11.1
830808	9.1	10.1	11.1
830809	9.1	10.0	10.6
830810	9.1	10.2	11.1
830811	9.1	10.6	12.6
830812	9.1	10.0	10.6
830813	8.1	8.7	9.6
830814	7.1	7.8	8.1
830815	6.1	7.2	7.6
830816	6.6	8.4	11.1
830817	7.1	8.0	8.6
830818	6.1	8.1	10.1
830819	6.1	8.4	11.1
830820	7.6	8.5	9.1
830821	8.0	8.5	9.0
830822	8.0	8.6	9.5
830823	7.5	8.0	8.5
830824	7.0	7.3	7.5
830825	6.0	6.5	7.0
830826	6.5	7.4	8.5
830827	6.5	8.0	10.0
830828	6.0	7.8	9.5
830829	6.5	7.4	8.0
830830	7.0	7.5	8.0
830831	6.5	7.2	8.0
Monthly Value	6.0	9.0	15.1

3-A-216

Table 3-A-52. continued

September 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830901	6.5	7.2	8.0
830902	5.5	6.8	8.0
830903	4.0	5.5	7.0
830904	4.0	5.4	7.0
830905	3.5	4.9	6.0
830906	3.0	4.6	6.5
830907	3.5	5.0	6.5
830908	5.0	5.6	6.5
830909	5.0	5.8	6.5
830910	5.0	5.8	6.5
830911	5.0	5.6	6.5
830912	5.0	6.0	7.0
830913	3.1	4.1	4.6
830914	2.1	3.3	4.6
830915	2.1	3.1	4.6
830916	1.1	2.8	4.6
830917	.6	2.6	4.6
830918	.6	2.1	3.6
830919	1.6	2.3	3.1
830920	2.6	3.1	3.6
830921	3.1	3.4	3.6
830922	3.1	3.7	4.1
830923	.1	1.4	2.6
830924	.1	.1	.1
830925	.1	.1	.1
830926	.1	.1	.1
830927	.1	.1	.1
830928	.1	.1	.1
830929	.1	.4	.6
830930	.1	.6	1.1
Monthly Value	.1	3.4	8.0

3-A-217

Table 3-A-52. continued

October 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
831001	.1	.6	1.1
831002	.6	1.0	1.6
831003	.1	.3	.6
831004	.1	.1	.1
831005	.1	.2	.6
831006	.1	.2	.6
831007	.1	.1	.1
831008	.1	.1	.1
831009	.1	.1	.1
831010	.1	.1	.1
831011	.1	.1	.1
831012	.1	----	.1
Monthly Value	.1	----	1.6

3-A-218

Table 3-A-53. Ryan temperature recorder data summary,
 surface water temperature (C) at Oshetna
 River, RM 233.4, TRM 0.1,
 GC S30N11E34CCD, 1983.

May 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830519	6.0	---	7.5
830520	3.5	5.3	7.0
830521	3.0	4.1	5.0
830522	3.5	4.7	5.5
830523	3.5	4.9	6.0
830524	3.5	4.9	6.5
830525	5.0	6.3	7.5
830526	5.5	6.3	7.0
830527	5.5	6.3	7.0
830528	6.0	7.2	8.0
830529	6.0	7.6	9.0
830530	5.0	6.5	9.0
830531	4.5	6.3	8.0
Monthly Value	3.0	---	9.0

3-A-219

Table 3-A-53. continued

June 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830601	3.5	6.5	9.5
830602	5.5	6.3	9.0
830603	4.0	5.1	6.0
830604	5.0	6.0	7.0
830605	6.0	8.0	10.0
830606	7.5	8.7	10.0
830607	6.5	8.1	9.5
830608	7.5	7.9	9.0
830609	6.5	6.7	7.5
830610	5.5	6.6	7.5
830611	6.0	7.7	9.5
830612	8.0	9.1	10.0
830613	7.5	8.8	10.0
830614	8.0	9.2	10.0
830615	8.0	8.6	9.5
830616	8.0	8.9	10.0
830617	7.5	9.3	11.0
830618	8.5	10.7	13.0
830619	8.5	10.1	12.0
830620	7.0	9.5	11.5
830621	8.5	10.7	12.5
830622	9.5	11.2	12.5
830623	8.5	10.6	12.5
830624	9.0	11.5	14.0
830625	9.5	12.2	14.5
830626	11.0	12.4	13.5
830627	9.5	10.3	12.5
830628	9.5	10.7	12.0
830629	9.5	10.6	11.5
830630	9.5	11.9	14.5
Monthly Value	3.5	9.1	14.5

3-A-220

Table 3-A-53. continued

July 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830701	11.5	12.6	13.5
830702	11.0	12.2	13.5
830703	10.5	12.1	13.5
830704	11.5	12.2	13.0
830705	11.0	12.9	15.0
830706	12.0	12.7	14.5
830707	10.5	10.9	11.5
830708	9.0	10.8	12.5
830709	10.0	10.9	12.0
830710	9.5	11.5	13.0
830711	11.0	11.1	12.0
830712	10.0	12.0	14.0
830713	11.0	11.8	13.0
830714	10.5	11.7	13.0
830715	11.0	12.0	13.0
830716	11.0	12.5	14.0
830717	11.5	12.2	13.5
830718	10.5	11.2	12.0
830719	10.0	11.0	11.8
830720	10.3	10.6	11.8
830721	9.3	10.5	11.8
830722	9.3	10.6	12.3
830723	9.8	10.3	11.3
830724	9.3	10.2	11.3
830725	8.8	10.4	11.8
830726	9.3	10.5	11.3
830727	9.3	11.4	13.3
830728	9.8	11.8	13.3
830729	10.8	11.7	12.8
830730	9.8	10.2	11.3
830731	9.3	10.3	11.3
Monthly Value	8.8	11.4	15.0

3-A-221

Table 3-A-53. continued

August 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830801	9.8	10.5	10.8
830802	8.8	10.4	11.8
830803	9.3	11.1	13.3
830804	10.3	10.8	12.8
830805	9.3	9.5	10.3
830806	8.8	9.8	10.8
830807	8.8	9.6	10.3
830808	8.8	9.6	10.3
830809	9.3	9.6	9.8
830810	8.8	9.9	10.8
830811	9.3	10.3	10.8
830812	9.3	9.6	10.3
830813	7.8	8.6	9.3
830814	6.8	7.3	8.3
830815	6.3	6.8	7.8
830816	6.8	8.1	9.3
830817	7.3	8.0	8.8
830818	5.8	7.6	9.3
830819	6.3	8.2	9.8
830820	7.5	8.2	9.3
830821	7.0	7.3	7.5
830822	7.5	7.9	8.5
830823	7.5	7.8	8.5
830824	7.0	7.1	7.5
830825	5.5	5.8	7.0
830826	5.5	6.3	7.0
830827	6.0	7.4	8.5
830828	6.0	7.4	8.5
830829	6.5	7.0	8.0
830830	6.0	6.8	7.0
830831	6.5	6.8	7.0
Monthly Value	5.5	8.4	13.3

3-A-222

Table 3-A-53. continued

September 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
830901	6.0	6.4	6.5
830902	6.0	6.6	7.5
830903	4.5	5.2	6.0
830904	4.5	5.4	6.0
830905	4.0	4.7	5.5
830906	3.5	4.4	5.0
830907	3.5	4.5	5.5
830908	5.0	5.3	5.5
830909	4.5	5.2	5.5
830910	5.0	5.3	5.5
830911	4.5	5.1	5.5
830912	4.5	5.3	6.0
830913	3.5		5.0
830914	3.0	4.0	5.0
830915	3.0	3.8	5.0
830916	2.5	3.5	4.5
830917	2.0	3.2	4.0
830918	2.0	2.8	3.5
830919	3.0	3.3	4.0
830920	4.0	4.0	4.5
830921	4.5	4.5	4.5
830922	4.5	4.5	4.5
830923	1.0	2.5	4.5
830924	.5	.5	.5
830925	.5	.5	.5
830926	.5	.5	.5
830927	.5	.5	.5
830928	.5	.5	.5
830929	.5	.5	.5
830930	.5	1.1	1.5
Monthly Value	.5	3.6	7.5

3-A-223

Table 3-A-53. continued

October 1983			
Date	Surface Water Temperature (C)		
	Min	Mean	Max
831001	1.0	1.3	1.5
831002	1.5	1.7	2.0
831003	1.0	1.3	2.0
831004	.5	.5	.5
831005	.5	.7	1.0
831006	.5	.8	1.0
831007	.5	.5	.5
831008	.5	.5	.5
831009	.5	.5	.5
831010	.5	.5	.5
831011	.5	.5	.5
831012	.5	—	.5
Monthly Value	.5	—	2.0

3-A-224

Table 3-A-54. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River at the Estuary, RM 4.5, GC S14N07W05ADB. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
32	830506	4.3	---	6.8	26	3
33	830513	6.3	6.9	7.8	84	7
34	830520	7.3	8.9	10.3	84	7
35	830527	8.8	---	10.3	58	6
36	830603	7.8	10.5	12.8	84	7
37	830610	11.3	11.9	13.3	66	6

Table 3-A-55. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River at Flathorn Station, RM 18.2, GC S16N07W15DDD. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
35	830527	10.2	-----	10.2	7	1
36	830603	8.2	10.3	12.2	84	7
37	830610	10.7	12.1	13.7	84	7
38	830617	12.7	14.0	14.7	84	7
39	830624	12.2	13.5	14.7	84	7
40	830701	12.2	13.1	13.7	84	7
41	830708	11.7	12.5	13.2	84	7
42	830715	12.2	13.0	13.7	84	7
43	830722	12.7	-----	13.2	6	1

3-A-226

Table 3-A-56. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River below Susitna Station, RM 20.5, GC S16N07W08DDB. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
34	830520	7.6	—	9.1	40	4
35	830527	8.1	8.9	9.6	77	7

3-A-227

Table 3-A-57. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River at Susitna Station, RM 25.8, GC S17N07W22DCD. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
34	830520	10.0	---	11.0	17	2
35	830527	9.5	10.4	11.5	84	7
36	830603	8.0	10.3	12.5	84	7
37	830610	11.0	11.6	12.5	84	7
38	830617	10.5	12.6	14.0	84	7
39	830624	10.5	12.0	13.5	84	7
40	830701	10.5	11.6	12.5	84	7
41	830708	10.0	50.9	12.0	84	7
42	830715	10.5	11.3	12.0	84	7
43	830722	11.5	---	12.0	8	1

3-A-228

Table 3-A-58. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River above Yentna River, RM 29.5, GC S17N06W07CAD. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
34	830520	8.0	-----	9.5	41	4
35	830527	8.5	9.6	10.5	84	7
36	830603	7.5	9.8	12.0	84	7
37	830610	10.5	11.4	12.5	69	6

Table 3-A-59. -Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River above Deshka River, RM 41.1, GC S19N06W26CBC. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
37	830610	11.5	---	13.0	15	2
38	830617	11.5	13.6	15.0	84	7
39	830624	11.0	12.9	15.0	84	7
40	830701	11.0	12.5	14.0	84	7
41	830708	11.0	12.0	13.0	84	7
42	830715	11.0	12.4	14.0	84	7
43	830722	9.5	11.3	13.5	83	7
44	830729	10.0	11.4	12.5	84	7
45	830805	8.5	9.2	10.5	84	7
46	830812	7.5	9.0	10.0	84	7
47	830819	7.5	8.7	10.5	84	7
48	830826	7.0	8.4	9.5	84	7
49	830902	5.5	7.0	9.0	76	7
50	830909	6.0	7.3	8.5	84	7
51	830916	5.0	5.7	7.0	84	7
52	830923	0.0	1.7	6.5	96	8
1	831001	1.0	2.8	4.0	78	7

3-A-230

Table 3-A-60. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River at Parks Hwy Bridge - Site 3, RM 83.9, GCS24N05W15BAD. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
34	830520	8.8	-----	10.3	15	2
35	830527	7.8	9.1	9.8	84	7
36	830603	7.3	9.3	11.8	84	7
37	830610	9.3	10.8	12.0	84	7
38	830617	10.5	12.1	13.0	84	7
39	830624	10.5	12.1	13.5	84	7
40	830701	11.0	12.0	13.0	84	7
41	830708	10.5	11.3	12.0	84	7
42	830715	11.0	11.6	12.5	80	7
43	830722	10.5	11.8	13.5	84	7
44	830729	11.0	11.9	13.0	84	7
45	830805	9.5	10.3	11.0	78	7
46	830812	8.5	9.5	10.5	84	7
47	830819	9.0	-----	10.5	48	4
50	830909	6.0	7.2	8.5	65	6
51	830916	5.0	5.9	7.0	79	7
52	830923	1.0	2.3	6.5	96	8
1	831001	1.0	3.0	5.0	82	7
2	831008	.5	-----	1.5	55	5

Table 3-A-61. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River at Talkeetna Fishwheel Camp, RM 103.0, GC S27N05W26DDD. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

WATER YEAR WEEK	STARTING CALENDAR DATE	WEEKLY VALUE (C)			n	NO. OF DAYS IN RECORD
		Min	Mean	Max		
33	830513	4.4	-----	5.9	16	2
34	830520	5.4	7.4	9.4	81	7
35	830527	6.9	8.5	9.9	78	7
36	830603	6.9	8.8	12.4	68	6
38	830617	11.5	12.9	14.5	68	6
39	830624	11.0	13.1	15.0	84	7
40	830701	12.0	13.3	14.5	84	7
41	830708	11.5	12.5	13.5	84	7
42	830715	11.0	12.7	14.5	84	7
43	830722	11.5	13.0	15.5	83	7
44	830729	11.5	13.0	15.0	84	7
45	830805	10.0	11.0	12.5	83	7
46	830812	8.3	10.2	11.8	84	7
47	830819	8.3	9.8	11.3	83	7
48	830826	7.8	9.2	10.3	84	7
49	830902	5.8	7.2	9.3	84	7
50	830909	5.0	6.9	8.5	84	7
51	830916	3.5	5.0	6.0	84	7
52	830923	0.0	-----	5.5	41	4

Table 3-A-62. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Mainstem Susitna River at LRX 9 - Site 1, RM 103.2, GC S27N05W26ADD. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.

Water Year Week	Starting Calendar Date	Intragravel Weekly Values					Surface Water Weekly Values				
		Min (C)	Mean (C)	Max (C)	n	No. of days in record	Min (C)	Mean (C)	Max (C)	n	No. of days in record
33	830513	.3	3.1	5.6	21	6	.2	3.1	5.6	21	6
34	830520	4.2	----	4.9	1	1	4.2	----	4.9	1	1
39	830624	8.9	----	10.0	5	2	11.0	----	13.6	5	2
40	830701	8.7	9.9	11.0	28	7	11.7	13.4	15.3	28	7
41	830708	8.5	----	10.9	16	4	11.0	----	14.7	16	4.
42	830715	----	----	----	0	0	----	----	----	0	0
43	830722	8.9	9.6	10.7	25	7	11.9	13.5	16.5	25	7
44	830729	9.4	10.1	10.7	28	7	12.0	13.7	16.5	28	7
45	830805	8.7	----	10.0	10	3	10.2	11.5	13.2	21	6
46	830812	7.0	8.2	9.3	26	7	8.4	10.3	12.1	28	7
47	830819	7.5	----	8.5	2	1	8.4	10.0	12.1	28	7
48	830826	7.0	7.6	8.1	21	6	8.1	9.3	10.6	28	7
49	830902	4.5	5.8	7.3	28	7	5.2	7.3	9.3	28	7
50	830909	5.0	----	6.0	10	3	6.0	----	9.8	6	2

3-A-233

Table 3-A-63. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Mainstem Susitna River at LRX 9 - Site 2, RM 103.2, GC S27N05W26ADD. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.

Water Year Week	Starting Calendar Date	Intragravel Weekly Values					Surface Water Weekly Values				
		Min (C)	Mean (C)	Max (C)	n	No. of days in record	Min (C)	Mean (C)	Max (C)	n	No. of days in record
50	830909	5.1	----	7.8	18	5	5.9	----	8.8	16	4
51	830916	4.5	5.4	6.4	28	7	4.2	5.9	7.4	28	7
52	830923	.8	2.0	6.3	32	8	.4	1.8	7.1	32	8
1	831001	.8	2.2	3.5	28	7	.4	2.5	4.3	28	7
2	831008	.5	1.0	1.6	28	7	.4	.8	2.2	28	7
3	831015	.5	.7	1.1	28	7	.3	.5	1.1	28	7
4	831022	.2	.8	1.4	28	7	.4	----	.5	1	1
5	831029	.3	----	.5	12	3	----	----	----	0	0

3-A-234

Table 3-A-64. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River at Curry Fishwheel Camp, RM 120.7, GC S29N04W10CBA. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
38	830617	12.6	—	13.6	54	5
39	830624	11.1	13.0	14.6	84	7
40	830701	12.1	13.1	13.6	84	7
41	830708	12.1	12.4	13.1	84	7
42	830715	10.8	12.5	13.8	80	7
43	830722	11.8	12.8	13.8	84	7
44	830729	11.8	12.7	14.3	84	7
45	830805	9.1	10.6	12.3	79	7
46	830812	8.1	9.4	10.6	84	7
47	830819	8.1	9.3	10.1	83	7
48	830826	7.6	8.6	9.1	84	7
49	830902	5.6	6.9	8.6	84	7
50	830909	5.5	6.8	7.6	84	7
51	830916	4.0	5.0	6.0	84	7
52	830923	0.0	1.1	5.5	96	8
1	831001	0.0	1.5	3.0	84	7
2	831008	0.0	—	0.0	42	4

3-A-235

Table 3-A-65. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Mainstem Susitna River at LRX 29, RM 126.1, GC S30N03W19DCA. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.

Water Year Week	Starting Calendar Date	Intragravel Weekly Values					Surface Water Weekly Values				
		Min (C)	Mean (C)	Max (C)	n	No. of days in record	Min (C)	Mean (C)	Max (C)	n	No. of days in record
33	830513	1.2	----	4.5	17	5	.2	----	5.5	17	5
34	830520	4.3	6.0	7.2	28	7	4.6	6.5	8.5	28	7
35	830527	6.2	7.6	8.9	27	7	6.0	7.8	9.6	27	7
36	830603	6.3	8.2	10.3	28	7	6.0	8.4	11.1	28	7
37	830610	8.4	10.0	12.0	28	7	7.9	10.3	12.7	28	7
38	830617	10.2	12.4	13.8	28	7	10.0	12.7	14.8	28	7
39	830624	11.2	12.9	14.6	28	7	10.4	13.1	15.6	28	7
40	830701	12.1	12.8	13.7	28	7	12.2	13.2	15.0	28	7
41	830708	11.6	12.3	13.2	28	7	11.3	12.5	14.0	28	7
42	830715	11.2	12.4	13.4	28	7	10.4	12.7	15.2	28	7
43	830722	11.8	12.7	14.2	28	7	11.7	13.1	15.7	28	7
44	830729	11.8	12.8	14.4	28	7	11.5	13.0	15.8	28	7
45	830805	9.9	10.9	12.6	27	7	9.4	10.8	12.6	27	7
46	830812	8.3	9.6	11.0	28	7	7.7	9.7	11.5	28	7
47	830819	8.1	9.3	10.2	28	7	7.5	9.3	11.4	28	7
48	830826	7.7	8.6	9.4	28	7	7.2	8.7	10.2	28	7
49	830902	5.7	6.8	8.3	28	7	5.1	6.6	8.8	28	7
50	830909	5.9	6.8	7.5	27	7	5.2	6.9	8.4	27	7
51	830916	4.6	5.4	6.6	28	7	3.6	5.3	6.8	28	7
52	830923	1.0	2.1	6.1	32	8	-.1	1.3	6.0	32	8
1	831001	1.2	2.3	3.4	28	7	-.1	1.8	3.9	28	7
2	831008	.7	1.1	1.5	28	7	-.1	.3	1.3	28	7
3	831015	.7	.8	1.0	28	7	0.0	.1	.5	28	7
4	831022	.7	.9	1.1	28	7	-.1	.1	.3	21	6
5	831029	.7	----	.9	12	3	----	----	----	0	0

3-A-236

Table 3-A-66. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem below Gold Creek, RM 135.8, GC S31N02W20BAC. Values were obtained from temperatures measured at hourly intervals by a datapod temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
36	830603	8.5	—	11.0	105	5
37	830610	8.5	10.3	11.5	168	7
38	830617	10.5	12.5	14.0	168	7
39	830624	10.5	12.9	15.0	168	7
40	830701	12.5	13.2	14.5	168	7
41	830708	12.0	12.7	13.5	168	7
42	830715	11.0	12.7	13.5	166	7
43	830722	12.5	13.3	14.5	168	7
44	830729	11.5	13.1	15.0	168	7
45	830805	9.5	11.1	12.5	140	6

3-A-237

Table 3-A-67. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River at Gold Creek Bridge, RM 136.6, GC S31N02W20BAC. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
35	830527	4.5	—	5.5	40	4
36	830603	4.5	6.1	7.5	84	7
37	830610	6.0	7.7	9.5	84	7
38	830617	8.0	10.6	13.0	84	7
39	830624	9.0	11.3	13.5	84	7
40	830701	10.3	11.4	13.3	84	7
41	830708	9.8	10.7	11.8	84	7
42	830715	9.3	11.0	12.8	84	7
43	830722	10.3	11.5	13.3	84	7
44	830729	10.3	11.6	14.3	84	7
45	830805	8.3	9.6	10.8	68	6
50	830909	4.6	—	5.6	3	1
51	830916	3.1	4.4	5.6	84	7
52	830923	.1	1.0	4.6	96	8
1	831001	.1	1.3	3.1	83	7
2	831008	.1	—	.1	41	4

3-A-238

Table 3-A-68. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River above Gold Creek, RM 136.8, GC S31NO2W17CDD. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
35	830527	6.5	-----	8.0	40	4
36	830603	6.0	7.7	9.5	84	7
37	830610	7.5	9.2	10.5	84	7
38	830617	9.0	11.2	13.0	84	7
39	830624	10.0	11.8	14.0	84	7
40	830701	11.3	12.3	13.3	84	7
41	830708	11.3	11.9	12.3	84	7
42	830715	10.3	12.0	13.3	84	7
43	830722	11.3	12.1	13.8	84	7
44	830729	10.8	12.1	14.3	84	7
45	830805	8.8	10.0	11.3	82	7
46	830812	7.3	8.7	10.3	84	7
47	830819	6.8	8.3	9.8	84	7
48	830826	6.8	7.9	8.8	84	7
49	830902	4.8	6.0	7.8	84	7
50	830909	5.3	6.3	7.3	84	7
51	830916	3.6	4.6	5.6	82	7
52	830923	.1	-----	4.6	39	4

Table 3-A-69. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Mainstem Susitna River at LRX 57 - Site 1, RM 142.3, GC 32N02W36CBA. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.

Water Year Week	Starting Calendar Date	Intragravel Weekly Values					Surface Water Weekly Values				
		Min (C)	Mean (C)	Max (C)	n	No. of days in record	Min (C)	Mean (C)	Max (C)	n	No. of days in record
35	830527	8.1	----	10.0	11	3	----	----	----	0	0
36	830603	6.9	7.9	8.7	28	7	----	----	----	0	0
37	830610	7.9	9.9	11.9	27	7	----	----	----	0	0
38	830617	11.7	12.8	13.8	28	7	----	----	----	0	0
39	830624	12.7	13.8	14.8	28	7	----	----	----	0	0
40	830701	13.2	14.2	15.0	28	7	----	----	----	0	0
41	830708	13.5	13.9	14.6	28	7	----	----	----	0	0
42	830715	13.2	14.0	14.6	28	7	----	----	----	0	0
43	830722	14.1	14.6	15.4	28	7	----	----	----	0	0
44	830729	14.2	15.0	15.9	27	7	11.7	----	12.2	1	1
45	830805	12.3	13.4	14.8	28	7	9.1	10.3	11.8	28	7
46	830812	11.1	12.2	13.1	28	7	7.7	9.4	11.5	28	7
47	830819	7.9	10.4	12.8	22	6	7.4	9.0	10.7	22	6
48	830826	7.2	8.6	9.4	28	7	6.6	8.3	9.6	28	7
49	830902	6.6	7.4	8.5	28	7	5.2	6.3	7.9	28	7
50	830909	7.4	----	7.5	2	1	6.3	----	6.4	2	1

3-A-240

Table 3-A-70. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Mainstem Susitna River at LRX 57 - Site 2, RM 142.3, GC 32N02W36CBA. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.

Water Year Week	Starting Calendar Date	Intragravel Weekly Values					Surface Water Weekly Values				
		Min (C)	Mean (C)	Max (C)	n	No. of days in record	Min (C)	Mean (C)	Max (C)	n	No. of days in record
50	830909	6.4	---	8.0	12	3	5.2	---	6.8	12	3
51	830916	5.2	6.3	7.6	28	7	3.8	4.9	6.1	28	7
52	830923	1.6	2.8	7.5	32	8	-1	1.1	5.9	32	8
1	831001	2.1	3.3	4.7	28	7	-1	1.4	2.8	28	7
2	831008	2.2	2.6	3.5	28	7	-1	.3	1.2	28	7
3	831015	2.4	2.6	3.0	28	7	-1	.0	.2	28	7
4	831022	2.8	3.4	4.0	28	7	0.0	---	.4	9	3
5	831029	3.0	---	4.1	12	3	---	---	---	0	0

3-A-241

Table 3-A-71. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River at Devil Canyon, RM 150.0, GC S32N01E31CBD. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
40	830701	11.5	12.4	13.5	65	6
41	830708	10.5	11.4	12.0	84	7
42	830715	9.5	11.4	12.5	84	7
43	830722	11.0	11.9	13.5	84	7
44	830729	10.5	11.6	13.5	84	7
45	830805	9.0	10.1	11.5	83	7
46	830812	7.5	9.1	11.0	84	7
47	830819	7.5	8.7	10.0	84	7
48	830826	6.5	8.1	9.5	84	7
49	830902	5.0	6.2	8.0	84	7
50	830909	5.0	5.9	6.5	84	7
51	830916	3.5	4.3	5.0	84	7
52	830923	0.0	.9	5.0	96	8
1	831001	.5	----	2.0	53	5

3-A-242

Table 3-A-72. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River above Tsusena, RM 181.9, GC S32N04E36ADA. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
34	830520	6.9	----	7.4	7	1
35	830527	6.4	8.0	9.4	84	7
36	830603	6.4	8.5	10.9	84	7
37	830610	7.9	10.0	11.9	84	7
38	830617	9.9	12.3	13.8	79	7
39	830624	10.3	12.6	14.8	84	7
40	830701	11.8	12.8	14.8	84	7
41	830708	10.8	11.8	12.8	84	7
42	830715	9.2	11.5	13.3	83	7
43	830722	10.7	11.8	13.7	84	7
44	830729	10.2	11.5	13.2	84	7
45	830805	8.7	9.8	11.2	84	7
46	830812	7.7	9.0	10.7	84	7
47	830819	6.5	8.3	10.7	82	7
48	830826	6.0	7.5	8.5	84	7
49	830902	4.0	5.6	7.5	84	7
50	830909	4.5	5.6	6.5	83	7
51	830916	3.0	4.2	5.5	84	7
52	830923	0.0	.8	5.0	96	8
1	831001	0.0	.7	2.0	84	7
2	831008	0.0	----	.5	55	5

3-A-243

Table 3-A-73. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River above Oshetna River - Site 1, RM 234.9, GC S30N11E35BCD. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
34	830520	6.6	---	7.1	20	2
35	830527	6.1	7.9	9.1	84	7
36	830603	6.1	8.1	9.6	84	7
37	830610	7.6	9.7	11.1	84	7
38	830617	10.1	11.5	12.6	79	7

3-A-244

Table 3-A-74. Weekly minimum, mean and maximum surface water temperatures (C) at Mainstem Susitna River above Oshetna River - Site 2, RM 235.7, GC S29N11E02ABD. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
43	830722	11.3	—	12.8	4	1
44	830729	8.3	9.4	11.3	83	7
45	830805	6.8	7.8	9.3	84	7
46	830812	5.8	7.5	9.3	84	7
47	830819	5.3	7.2	8.8	83	7
48	830826	5.3	6.8	7.8	84	7
49	830902	4.8	—	6.8	23	2
50	830909	4.0	—	4.5	31	3
51	830916	2.5	3.7	4.5	84	7
52	830923	0.0	.4	4.0	96	8
1	831001	0.0	.4	1.5	84	7
2	831008	0.0	—	0.0	53	5

3-A-245

Table 3-A-75. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Side Channel 10 - Site 1, RM 133.9, GC 31NO3W36AAA. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.

Water Year Week	Starting Calendar Date	Intragravel Weekly Values					Surface Water Weekly Values				
		Min (C)	Mean (C)	Max (C)	n	No. of days in record	Min (C)	Mean (C)	Max (C)	n	No. of days in record
42	830715	3.9	----	4.9	17	5	7.7	----	18.6	13	4
43	830722	4.1	4.8	5.4	28	7	8.0	12.1	18.4	28	7
44	830729	4.1	5.1	5.6	28	7	8.3	12.2	16.8	28	7
45	830805	4.9	5.3	5.8	28	7	9.3	10.6	12.1	28	7
46	830812	4.5	4.8	5.2	28	7	8.0	9.7	11.6	28	7
47	830819	4.2	4.6	5.0	28	7	8.0	9.2	12.8	28	7
48	830826	4.6	4.8	5.1	28	7	7.3	8.9	10.3	28	7
49	830902	3.9	4.3	4.7	28	7	4.5	7.5	12.1	28	7
50	830909	4.2	4.4	4.7	27	7	5.5	7.5	12.4	27	7
51	830916	4.1	4.4	4.7	28	7	3.8	6.3	10.6	28	7
52	830923	4.0	4.2	4.6	32	8	2.0	4.0	7.7	32	8
1	831001	3.9	4.2	4.4	28	7	1.8	4.4	7.6	28	7
2	831008	3.7	4.0	4.2	28	7	.4	2.5	5.0	28	7
3	831015	3.6	3.8	4.0	28	7	.8	2.4	6.1	27	7
4	831022	3.1	3.4	3.7	28	7	.2	.9	3.6	28	7
5	831029	3.0	----	3.2	12	3	.3	----	1.4	12	3

3-A-246

Table 3-A-76. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Upper Side Channel 11 Site 1, RM 136.3, GC 31N02W20BBD. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.

Water Year Week	Starting Calendar Date	Intragravel Weekly Values					Surface Water Weekly Values				
		Min (C)	Mean (C)	Max (C)	n	No. of days in record	Min (C)	Mean (C)	Max (C)	n	No. of days in record
44	830729	5.4	6.1	6.5	28	7	10.7	12.2	15.3	28	7
45	830805	5.6	6.0	6.4	28	7	8.8	10.2	11.6	28	7
46	830812	5.6	5.9	6.2	28	7	7.2	9.0	10.9	28	7
47	830819	5.6	5.8	6.0	28	7	7.2	8.6	10.2	28	7
48	830826	5.5	5.9	6.2	28	7	6.7	8.3	9.4	28	7
49	830902	5.2	5.5	5.9	28	7	3.3	6.1	9.3	28	7
50	830909	5.2	---	5.4	11	3	4.5	---	10.0	11	3

3-A-247

Table 3-A-77. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Upper Side Channel 11 Site 2, RM 136.2, GC S32N02W20BBD. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.

Water Year Week	Starting Calendar Date	Intragravel Weekly Values					Surface Water Weekly Values				
		Min (C)	Mean (C)	Max (C)	n	No. of days in record	Min (C)	Mean (C)	Max (C)	n	No. of days in record
50	830909	4.0	----	5.5	16	4	3.9	----	9.5	16	4
51	830916	3.3	4.4	5.3	28	7	2.1	5.1	9.1	28	7
52	830923	2.7	3.5	4.7	32	8	.6	3.1	6.2	32	8
1	831001	3.0	3.8	4.8	28	7	1.0	3.6	7.0	28	7
2	831008	2.6	3.3	4.0	28	7	.2	2.2	4.8	28	7
3	831015	3.1	3.7	4.6	28	7	.9	2.7	6.2	28	7
4	831022	3.0	3.5	4.2	28	7	.6	1.8	4.7	28	7
5	831029	3.4	----	3.9	12	3	.8	----	3.1	12	3

3-A-248

Table 3-A-78. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Side Channel 21 - Site 1, RM 141.1, GC S31N02W02CAA. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.

Water Year Week	Starting Calendar Date	Intragravel Weekly Values					Surface Water Weekly Values				
		Min (C)	Mean (C)	Max (C)	n	No. of days in record	Min (C)	Mean (C)	Max (C)	n	No. of days in record
48	830826	5.2	----	6.1	13	4	7.1	----	9.2	13	4
49	830902	3.9	4.5	5.2	28	7	4.7	----	8.2	16	4
50	830909	4.1	----	4.8	14	4	----	----	----	0	0

3-A-249

Table 3-A-79. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Side Channel 21 - Site 2, RM 141.0, GC S30N02W31BBB. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.

Water Year Week	Starting Calendar Date	Intragravel Weekly Values					Surface Water Weekly Values				
		Min (C)	Mean (C)	Max (C)	n	No. of days in record	Min (C)	Mean (C)	Max (C)	n	No. of days in record
50	830909	6.0	----	6.2	12	3	4.5	----	7.5	12	3
51	830916	5.6	6.0	6.2	28	7	2.9	5.3	7.1	28	7
52	830923	4.3	5.5	6.2	32	8	2.4	4.1	5.0	32	8
1	831001	3.4	3.6	4.3	28	7	2.4	3.9	4.7	28	7
2	831008	2.1	2.8	3.5	28	7	1.9	3.5	4.5	28	7
3	831015	1.7	1.8	2.2	28	7	2.5	3.3	4.5	28	7
4	831022	1.6	1.8	2.0	28	7	1.8	2.5	3.7	28	7
5	831029	1.7	----	1.9	12	3	1.6	----	2.1	12	3

3-A-250

Table 3-A-80. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Lower SL. 8A - Site 2, RM 125.6, GC S30N03W30BCD. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.

Water Year Week	Starting Calendar Date	Intragravel Weekly Values					Surface Water Weekly Values				
		Min (C)	Mean (C)	Max (C)	n	No. of days in record	Min (C)	Mean (C)	Max (C)	n	No. of days in record
31	830429	3.1	----	3.4	18	5	1.8	----	6.1	18	5
32	830506	3.3	3.4	3.7	28	7	1.3	4.6	8.0	28	7
33	830513	3.6	3.6	3.7	28	7	2.4	4.5	7.6	28	7
34	830520	3.6	3.8	3.9	28	7	3.0	5.9	9.2	28	7
35	830527	3.8	4.0	4.2	27	7	4.4	7.4	9.9	24	6
36	830603	3.8	3.9	4.0	28	7	----	----	----	0	0
37	830610	3.8	4.1	4.3	28	7	----	----	----	0	0
38	830617	4.3	4.4	4.6	28	7	----	----	----	0	0
39	830624	4.3	4.5	4.5	28	7	----	----	----	0	0
40	830701	4.3	4.5	4.7	28	7	7.1	----	16.3	14	4
41	830708	4.4	4.5	4.7	28	7	7.2	11.3	14.9	28	7
42	830715	4.5	4.8	5.1	28	7	9.8	12.9	17.1	28	7
43	830722	4.8	5.1	5.3	28	7	8.5	12.8	16.9	28	7
44	830729	4.8	5.2	5.5	28	7	8.7	12.8	17.4	28	7
45	830805	4.6	5.0	5.3	28	7	8.2	10.3	12.8	28	7
46	830812	4.2	4.4	4.7	28	7	6.7	9.1	12.7	28	7
47	830819	4.2	4.4	4.6	26	7	6.2	8.7	12.1	26	7

3-A-351

Table 3-A-81. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Lower Sl. 8A - Site 3, RM 125.6, GC S30N03W30BCD. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.

Water Year Week	Starting Calendar Date	Intragravel Weekly Values					Surface Water Weekly Values				
		Min (C)	Mean (C)	Max (C)	n	No. of days in record	Min (C)	Mean (C)	Max (C)	n	No. of days in record
47	830819	----	4.9	4.9	1	1	8.3	----	9.2	1	1
48	830826	4.7	4.9	5.1	28	7	6.9	8.5	11.1	28	7
49	830902	4.7	5.5	7.1	28	7	4.6	7.0	9.9	28	7
50	830909	6.1	7.4	8.6	28	7	6.2	7.9	10.0	28	7
51	830916	4.6	6.1	7.7	28	7	4.4	6.4	8.6	28	7
52	830923	1.6	3.1	7.1	32	8	.5	2.7	6.7	32	8
1	831001	1.9	3.4	4.9	28	7	1.2	3.3	5.6	28	7
2	831008	.7	1.8	2.6	28	7	.3	1.6	2.5	28	7
3	831015	1.0	1.8	2.5	28	7	.4	1.6	3.0	28	7
4	831022	.4	.9	1.8	28	7	.3	.9	2.1	28	7
5	831029	.3	----	.9	12	3	.3	----	1.3	12	3

3-A-252

Table 3-A-82. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Upper Sl. 8A - Site 2, RM 126.6, GC S30N03W20CDD. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.

Water Year Week	Starting Calendar Date	Intragravel Weekly Values					Surface Water Weekly Values				
		Min (C)	Mean (C)	Max (C)	n	No. of days in record	Min (C)	Mean (C)	Max (C)	n	No. of days in record
31	830429	2.2	----	2.6	20	5	1.3	----	5.7	20	5
32	830506	2.4	2.6	2.8	28	7	1.7	3.0	5.5	28	7
33	830513	2.6	2.8	3.0	28	7	2.2	3.1	5.4	28	7
34	830520	2.8	3.0	3.3	28	7	2.4	3.7	6.5	28	7
35	830527	3.0	3.2	3.4	27	7	2.8	3.9	6.7	27	7
36	830603	3.2	3.4	3.7	28	7	3.1	4.1	7.5	28	7
37	830610	3.4	3.6	4.0	28	7	3.4	5.0	8.6	28	7
38	830617	3.6	4.0	4.3	28	7	3.8	6.0	10.3	28	7
39	830624	3.9	4.1	4.5	28	7	4.5	6.0	10.6	28	7
40	830701	4.1	4.3	4.8	28	7	4.8	6.2	10.7	28	7
41	830708	4.0	4.4	5.0	28	7	4.7	6.3	10.6	28	7
42	830715	4.5	5.1	5.7	28	7	5.0	7.2	12.4	28	7
43	830722	4.7	5.2	5.9	28	7	5.0	7.1	12.7	28	7
44	830729	4.7	5.2	6.0	28	7	4.9	7.0	11.8	28	7
45	830805	3.7	4.4	4.9	28	7	4.4	5.8	8.1	28	7
46	830812	3.4	3.6	3.8	28	7	3.7	4.8	7.8	28	7
47	830819	3.4	3.6	3.8	26	7	3.6	4.7	7.5	26	7
4	831022	2.7	----	3.0	5	2	.7	----	1.6	5	2
5	831029	1.7	----	2.7	12	3	0.0	----	1.2	12	3

3-A-253

Table 3-A-83. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Slough 9, RM 128.6, GC S30N03W09DBC. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.

Water Year Week	Starting Calendar Date	Intragravel Weekly Values					Surface Water Weekly Values				
		Min (C)	Mean (C)	Max (C)	n	No. of days in record	Min (C)	Mean (C)	Max (C)	n	No. of days in record
31	830429	3.4	----	3.7	20	5	.6	----	9.7	20	5
32	830506	2.8	3.3	3.8	28	7	0.0	2.7	8.5	28	7
33	830513	3.3	3.5	3.7	28	7	1.7	4.4	8.5	28	7
34	830520	3.4	3.6	3.8	28	7	2.8	5.7	9.6	28	7
35	830527	3.5	3.8	4.2	28	7	3.7	7.5	10.0	28	7
36	830603	3.4	3.7	3.9	28	7	7.1	9.0	13.3	24	6
37	830610	3.4	3.4	3.5	28	7	----	----	----	0	0
38	830617	3.4	3.5	3.7	28	7	----	----	----	0	0
39	830624	3.4	3.5	3.6	28	7	----	----	----	0	0
40	830701	3.4	3.5	3.5	28	7	----	----	----	0	0
41	830708	3.4	3.5	3.5	28	7	----	----	----	0	0
42	830715	3.4	3.5	3.5	28	7	8.2	----	17.0	8	2
43	830722	3.4	3.5	3.5	28	7	8.1	12.2	17.8	28	7
44	830729	3.4	3.5	3.5	28	7	8.2	12.3	17.0	28	7
45	830805	3.5	3.6	4.2	28	7	10.1	11.2	13.2	28	7
46	830812	3.4	3.6	3.8	28	7	7.8	----	12.1	15	4
47	830819	3.4	3.5	3.6	27	7	6.3	----	10.9	9	3
48	830826	3.5	3.6	3.7	28	7	6.1	8.4	12.2	28	7
49	830902	3.5	3.5	3.6	28	7	4.8	----	6.1	9	3
50	830909	3.5	3.5	3.6	28	7	----	----	----	0	0
51	830916	3.5	3.5	3.6	28	7	2.2	5.2	8.0	24	6
52	830923	3.5	3.5	3.5	32	8	.5	2.7	6.0	32	8
1	831001	3.5	3.5	3.5	28	7	.7	3.0	5.7	28	7
2	831008	3.4	3.5	3.5	28	7	.1	----	2.6	12	3
3	831015	3.4	3.5	3.5	28	7	1.1	----	3.4	4	1
4	831022	3.4	3.4	3.5	28	7	.4	1.5	3.4	28	7
5	831029	3.4	----	3.5	12	3	.7	----	2.6	12	3

3-A-254

Table 3-A-84.. Weekly minimum, mean and maximum surface water temperatures (C) at Slough 9 Incubation Site, RM 128.3, GC S30N03W09DCB. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
48	830826	7.5	---	9.0	16	2
49	830902	3.0	5.1	7.5	84	7
50	830909	3.0	5.6	7.0	84	7
51	830916	1.0	3.5	6.5	68	6

3-A-255

Table 3-A-85. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Slough 10, Northeast, RM 134.0, GC S30N02W30CCC. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.

Water Year Week	Starting Calendar Date	Intragravel Weekly Values					Surface Water Weekly Values				
		Min (C)	Mean (C)	Max (C)	n	No. of days in record	Min (C)	Mean (C)	Max (C)	n	No. of days in record
3	831015	3.7	----	4.0	10	3	2.2	----	3.7	10	3
4	831022	3.3	3.5	3.8	28	7	1.5	2.4	3.6	28	7
5	831029	3.3	----	3.5	12	3	1.7	----	3.0	12	3

3-A-256

Table 3-A-86. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Slough 10, Northwest, RM 134.0, GC 830N02W30CCC. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.

Water Year Week	Starting Calendar Date	Intragravel Weekly Values					Surface Water Weekly Values				
		Min (C)	Mean (C)	Max (C)	n	No. of days in record	Min (C)	Mean (C)	Max (C)	n	No. of days in record
3	831015	3.5	----	3.6	9	3	2.1	----	3.3	9	3
4	831022	3.5	3.6	3.7	28	7	1.8	2.4	3.5	28	7
5	831029	3.6	----	3.7	12	3	2.0	----	2.8	12	3

3-A-257

Table 3-A-87. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Slough 11, RM 135.7, GC S31N02W30ADC. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.

Water Year Week	Starting Calendar Date	Intragravel Weekly Values					Surface Water Weekly Values				
		Min (C)	Mean (C)	Max (C)	n	No. of days in record	Min (C)	Mean (C)	Max (C)	n	No. of days in record
31	830429	3.6	----	3.8	20	5	3.5	----	8.7	20	5
32	830506	3.6	3.7	3.9	28	7	3.7	5.8	9.5	28	7
33	830513	3.5	3.7	3.8	28	7	3.7	6.6	9.7	28	7
34	830520	3.6	3.6	3.7	28	7	3.6	6.4	9.0	28	7
35	830527	3.5	3.6	3.7	27	7	3.8	6.0	10.0	27	7
36	830603	3.4	3.5	3.6	28	7	3.7	5.7	9.3	28	7
37	830610	3.5	3.6	3.7	28	7	3.7	5.5	9.4	28	7
38	830617	3.5	3.6	3.7	28	7	3.7	4.6	6.4	28	7
39	830624	3.5	3.6	3.7	28	7	3.8	4.9	8.1	28	7
40	830701	3.5	3.5	3.7	28	7	3.8	5.9	9.2	27	7
41	830708	3.5	3.6	3.7	28	7	4.0	6.6	9.5	28	7
42	830715	3.5	3.6	3.7	28	7	3.9	5.8	9.8	28	7
43	830722	3.5	3.6	3.8	28	7	3.9	5.7	8.9	28	7
44	830729	3.6	3.7	3.8	28	7	3.9	5.4	8.7	28	7
45	830805	3.5	3.6	3.7	28	7	4.6	6.8	10.2	28	7
46	830812	3.5	3.6	3.7	28	7	3.7	6.1	9.0	28	7
47	830819	3.5	3.6	3.7	28	7	3.8	6.0	8.8	28	7
48	830826	3.5	3.5	3.6	28	7	4.7	6.1	8.8	28	7
49	830902	3.4	3.5	3.6	28	7	3.3	5.2	7.7	28	7
50	830909	3.5	3.5	3.6	28	7	3.9	5.4	7.3	28	7
51	830916	3.4	3.5	3.6	28	7	3.1	4.6	6.2	28	7
52	830923	3.2	3.4	3.5	32	8	.9	2.8	4.7	32	8
1	831001	3.2	3.4	3.5	28	7	1.9	3.3	5.4	28	7
2	831008	3.2	3.3	3.3	28	7	1.1	2.4	3.3	28	7
3	831015	3.2	3.3	3.3	28	7	1.6	2.5	3.6	28	7
4	831022	3.2	3.3	3.3	28	7	1.6	2.3	3.3	28	7
5	831029	3.2	----	3.3	12	3	1.9	----	2.5	12	3

3-A-258

Table 3-A-88. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Slough 19, RM 140.0, GC S31N02W10DBA. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.

Water Year Week	Starting Calendar Date	Intragravel Weekly Values					Surface Water Weekly Values				
		Min (C)	Mean (C)	Max (C)	n	No. of days in record	Min (C)	Mean (C)	Max (C)	n	No. of days in record
31	830429	2.6	----	4.2	20	5	2.7	----	8.5	20	5
32	830506	2.3	2.7	3.2	28	7	1.6	3.9	7.0	27	7
33	830513	2.4	----	3.5	18	5	2.0	----	6.1	18	5
36	830603	3.8	----	5.9	17	5	3.4	----	6.5	17	5
37	830610	3.8	5.2	7.3	28	7	3.4	5.3	8.1	28	7
38	830617	4.6	5.5	6.9	28	7	4.4	5.4	7.5	28	7
39	830624	4.5	5.1	6.6	27	7	4.2	5.0	7.2	27	7
40	830701	4.2	4.5	4.8	28	7	4.1	5.1	7.4	28	7
41	830708	4.4	4.6	5.0	28	7	4.1	5.6	9.1	28	7
42	830715	4.1	4.6	5.0	28	7	3.9	5.7	9.4	28	7
43	830722	4.6	4.7	5.0	28	7	4.2	5.7	10.0	28	7
44	830729	4.5	4.9	5.3	28	7	4.4	5.7	9.7	28	7
45	830805	4.8	5.1	5.3	28	7	4.7	5.7	7.9	28	7
46	830812	4.7	4.9	5.2	28	7	4.0	5.4	7.6	28	7
47	830819	4.5	4.8	5.0	27	7	4.0	5.4	8.0	27	7
48	830826	4.6	4.9	5.2	28	7	4.3	5.3	6.7	28	7
49	830902	4.3	4.6	4.9	28	7	3.4	4.9	6.9	28	7
50	830909	4.4	4.5	4.7	28	7	4.0	5.1	7.7	28	7
51	830916	4.3	4.5	4.6	28	7	3.6	4.7	6.2	28	7
52	830923	4.0	4.3	4.5	32	8	2.4	4.0	5.5	32	8
1	831001	4.1	4.2	4.4	28	7	3.0	4.0	5.7	28	7
2	831008	3.8	4.0	4.4	28	7	1.9	3.1	5.3	28	7
3	831015	4.0	4.1	4.3	28	7	3.0	3.7	5.0	28	7
4	831022	3.8	4.0	4.2	28	7	3.1	3.6	4.5	28	7
5	831029	3.6	----	3.9	12	3	3.0	----	3.3	12	3

3-A-259

Table 3-A-89. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Lower Sl. 21 - Site 2, RM 141.8, GC S31N02W02AAB. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.

Water Year Week	Starting Calendar Date	Intragravel Weekly Values					Surface Water Weekly Values				
		Min (C)	Mean (C)	Max (C)	n	No. of days in record	Min (C)	Mean (C)	Max (C)	n	No. of days in record
35	830527	3.5	----	3.7	21	6	3.1	----	8.5	21	6
36	830603	3.5	3.6	3.8	28	7	3.3	6.8	13.6	28	7
37	830610	3.5	3.7	3.7	28	7	2.6	8.9	17.5	28	7
38	830617	3.6	3.7	3.8	28	7	3.8	9.3	13.3	28	7
39	830624	3.6	3.7	3.8	28	7	6.9	10.2	13.8	28	7
40	830701	3.6	3.7	3.8	28	7	4.5	9.5	12.7	28	7
41	830708	3.7	3.7	3.8	28	7	3.9	7.1	12.1	28	7
42	830715	3.7	3.8	3.8	28	7	3.7	6.1	11.2	28	7
43	830722	3.7	3.8	3.9	28	7	3.6	6.3	10.9	28	7
44	830729	3.7	3.8	3.9	28	7	4.0	6.6	11.4	28	7
45	830805	3.7	3.8	3.9	28	7	4.3	8.4	10.2	28	7
46	830812	3.7	3.8	4.0	28	7	3.2	7.3	9.8	28	7
47	830819	3.7	3.8	3.9	23	7	3.1	5.5	8.4	23	7
48	830826	3.7	3.8	3.9	28	7	4.5	6.9	9.0	28	7
49	830902	3.7	3.8	4.1	28	7	2.5	4.4	7.8	28	7
50	830909	3.7	3.8	3.9	28	7	3.0	4.2	6.4	26	7
51	830916	3.7	3.8	4.1	28	7	2.3	3.7	6.2	28	7
52	830923	3.7	3.9	4.2	32	8	1.3	2.6	4.1	32	8
1	831001	3.7	3.9	4.2	28	7	1.4	2.7	4.7	27	7
2	831008	3.7	3.9	4.2	28	7	.2	2.2	3.6	28	7
3	831015	3.6	3.9	4.1	28	7	1.5	2.4	4.0	28	7
4	831022	3.7	3.9	4.1	28	7	1.2	2.0	3.2	28	7
5	831029	3.7	----	4.0	12	3	1.1	----	2.8	12	3

3-A-260

Table 3-A-90. Weekly minimum, mean and maximum intragravel and surface water temperatures (C) at Upper Sl. 21, RM 142.0, GC S32N02W36CCC. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.

Water Year Week	Starting Calendar Date	Intragravel Weekly Values					Surface Water Weekly Values				
		Min (C)	Mean (C)	Max (C)	n	No. of days in record	Min (C)	Mean (C)	Max (C)	n	No. of days in record
31	830429	.4	---	5.7	20	5	0.0	---	7.3	20	5
32	830506	3.4	4.9	7.5	28	7	3.0	5.0	8.6	28	7
33	830513	3.2	5.0	8.0	28	7	2.9	5.3	9.2	28	7
34	830520	3.5	5.0	7.2	28	7	3.3	5.2	7.9	28	7
35	830527	3.6	6.1	8.4	27	7	3.5	6.4	8.9	27	7
36	830603	3.6	5.9	8.6	28	7	3.5	6.2	9.4	28	7
37	830610	3.8	5.6	8.2	28	7	3.6	5.9	9.2	28	7
38	830617	4.2	6.7	13.1	28	7	4.1	7.2	14.9	28	7
39	830624	4.6	6.3	9.2	28	7	4.7	6.7	10.2	28	7
40	830701	4.7	6.5	12.3	28	7	5.0	7.0	13.7	28	7
41	830708	4.7	6.6	11.1	28	7	4.8	7.1	12.0	28	7
42	830715	4.6	6.0	8.6	28	7	4.7	6.5	9.8	28	7
43	830722	4.4	5.8	8.2	28	7	4.5	6.3	9.2	28	7
44	830729	4.6	5.9	8.2	28	7	4.8	6.3	9.3	28	7
45	830805	4.7	7.2	10.5	28	7	4.9	7.7	11.1	28	7
46	830812	3.9	6.0	11.0	28	7	3.8	6.3	12.1	28	7
47	830819	3.8	5.2	8.6	27	7	3.7	5.4	9.6	27	7
48	830826	4.3	5.9	8.6	28	7	4.3	6.2	9.1	28	7
49	830902	3.1	4.3	6.6	28	7	2.8	4.3	7.2	28	7
50	830909	3.7	4.5	5.9	28	7	3.6	4.6	6.4	28	7
51	830916	3.3	4.0	5.3	28	7	2.9	4.0	5.8	28	7
52	830923	2.6	3.3	4.7	32	8	2.0	3.1	4.7	32	8
1	831001	2.6	3.3	4.7	28	7	2.1	3.2	4.8	28	7
2	831008	2.0	2.9	3.6	28	7	1.6	2.6	3.5	28	7
3	831015	2.6	3.0	3.8	28	7	2.1	2.7	3.7	28	7
4	831022	2.6	2.9	3.4	28	7	2.0	2.6	3.2	28	7
5	831029	2.6	---	3.2	12	3	2.1	---	3.0	12	3

3-A-261

Table 3-A-91. Weekly minimum, mean and maximum surface water temperatures (C) at Yentna River - Site 2, RM 28.0, TRM 4.0, GC S18N07W34DBC. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
37	830610	9.8	---	10.8	15	2
38	830617	9.8	11.4	12.8	84	7
39	830624	8.8	10.3	11.3	84	7
40	830701	9.3	10.6	12.3	84	7
41	830708	8.8	10.3	11.8	84	7
42	830715	9.8	10.8	11.8	84	7
43	830722	8.8	10.1	11.8	84	7
44	830729	9.3	10.8	11.8	83	7
45	830805	8.0	8.7	10.5	84	7
46	830812	8.0	8.6	9.0	84	7
47	830819	8.0	8.7	10.0	84	7
48	830826	8.0	8.8	10.0	84	7
49	830902	5.5	7.4	8.5	81	7
50	830909	5.5	6.5	7.5	84	7
51	830916	4.5	5.2	6.0	84	7
52	830923	0.0	1.4	6.0	96	8
1	831001	1.5	2.7	3.5	78	7

Table 3-A-92. Weekly minimum, mean and maximum surface water temperatures (C) at Chulitna River - Site 2, RM 98.6, TRM 0.6, GC S26N05W15DAB. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
35	830527	5.7	—	8.7	55	5
36	830603	4.7	6.8	9.2	84	7
37	830610	6.7	—	9.2	53	5

3-A-263

Table 3-A-93. Weekly minimum, mean and maximum surface water temperatures (C) at Chulitna River - Site 3, RM 98.6, TRM 2.4, GC S26N05W09ACA. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder,

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
43	830722	6.5	7.9	10.0	65	6
44	830729	6.5	8.1	10.0	84	7
45	830805	6.0	6.9	8.0	84	7
46	830812	6.0	6.9	8.5	84	7
47	830819	6.0	7.0	8.5	84	7
48	830826	6.5	7.2	7.5	84	7
49	830902	5.0	5.9	7.0	84	7
50	830909	3.6	5.8	6.5	84	7
51	830916	3.1	4.4	5.6	84	7
52	830923	.1	1.0	4.6	96	8
1	831001	.2	1.9	3.1	84	7
2	831008	.2	-----	.7	43	4

3-A-264

Table 3-A-94. Weekly minimum, mean and maximum surface water temperatures (C) at Chulitna River - Site 4, RM 98.6, TRM 4.4, GC S27N05W32DAA. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
43	830722	5.0	6.7	9.5	65	6
44	830729	5.0	6.8	9.0	84	7
45	830805	5.0	-----	6.5	42	4
46	830812	5.5	-----	9.0	16	2
47	830819	5.0	6.5	8.5	84	7
48	830826	6.0	6.7	8.5	84	7
49	830902	3.5	5.3	7.0	84	7
50	830909	3.5	5.4	7.0	84	7
51	830916	3.0	4.4	5.5	84	7
52	830923	0.0	1.2	4.5	96	8
1	831001	.7	2.2	3.5	83	7
2	831008	.2	-----	.7	43	4

Table 3-A-95. Weekly minimum, mean and maximum surface water temperatures (C) at Talkeetna River - Site 2, RM 97.2, TRM 1.5, GC S26N05W24BDA. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
35	830527	6.1	—	8.1	54	5
36	830603	5.6	7.7	10.1	84	7
37	830610	7.1	9.4	10.8	83	7
38	830617	9.3	—	12.3	24	2
39	830624	9.8	11.2	13.3	65	6
40	830701	9.8	11.2	13.3	79	7
41	830708	9.3	10.4	11.3	84	7
42	830715	9.8	10.7	11.8	80	7
43	830722	9.8	11.1	12.8	84	7
44	830729	9.3	10.9	12.8	84	7
45	830805	8.8	9.6	10.5	77	7
46	830812	8.0	9.3	10.5	84	7
47	830819	7.0	8.9	10.5	83	7
48	830826	7.5	—	10.5	59	5
51	830916	4.0	5.9	7.0	66	6
52	830923	.5	2.6	6.5	96	8
1	831001	.4	2.8	4.9	84	7
2	831008	.4	—	1.4	43	4

Table 3-A-96. Weekly minimum, mean and maximum intragravel water temperatures (C) at Mainstem Susitna River at Fourth of July Creek and Plume, RM 131.1, TRM 0.0, GC S30N03W03DAC. Values were obtained from temperatures measured at six-hour intervals by a datapod temperature recorder.

Water Year Week	Starting Calendar Date	Plume Weekly Values					Creek Weekly Values				
		Min (C)	Mean (C)	Max (C)	n	No. of days in record	Min (C)	Mean (C)	Max (C)	n	No. of days in record
48	830826	6.3	6.4	6.4	1	1	8.8	8.8	8.8	1	1
49	830902	5.4	6.7	7.9	28	7	4.5	7.2	8.8	28	7
50	830909	6.8	7.4	7.7	28	7	5.6	7.3	8.9	28	7
51	830916	4.9	5.9	7.5	28	7	2.8	5.4	7.7	28	7
52	830923	.8	4.0	6.5	32	8	-3	1.3	6.6	32	8
1	831001	1.3	2.4	3.1	28	7	-3	1.9	3.4	28	7
2	831008	.1	.8	2.0	28	7	-3	.4	1.9	28	7
3	831015	.6	.8	1.2	28	7	-3	.7	2.4	28	7
4	831022	-.2	.3	.9	28	7	-3	-.0	1.4	28	7
5	831029	-.2	-.2	-.2	18	5	-3	-.2	-.1	18	5

3-A-267

Table 3-A-97. Weekly minimum, mean, and maximum surface water temperatures (C) at Gold Creek, RM 136.7, TRM 0.2, GC S31N02W20BAD. Values were obtained from temperatures measured at hourly intervals by a datapod temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
33	830513	2.5	---	6.5	82	4
34	830520	1.5	3.8	6.5	168	7
35	830527	2.0	3.6	6.0	168	7
36	830603	2.5	4.1	7.0	168	7
37	830610	3.0	5.9	9.0	168	7
38	830617	5.0	8.6	12.0	167	7
39	830624	7.0	9.5	13.0	168	7
40	830701	8.0	10.1	14.0	168	7
41	830708	8.5	10.2	13.0	168	7
42	830715	8.0	10.8	14.0	166	7
43	830722	8.0	10.8	15.0	168	7
44	830729	9.0	11.4	15.0	168	7
45	830805	7.5	9.9	12.5	168	7
46	830812	6.0	8.1	10.0	168	7
47	830819	5.5	7.8	10.5	167	7
48	830826	6.5	8.1	10.0	168	7
49	830902	3.0	5.4	7.5	168	7
50	830909	4.0	5.9	7.5	168	7
51	830916	2.5	4.6	7.0	168	7
52	830923	-.5	1.2	4.0	192	8
1	831001	.5	---	4.5	108	5

Table-3-A-98. Weekly minimum, mean, and maximum surface water temperatures (C) at Indian River, RM 138.6, TRM 1.0, GC S31N02W09CBA. Values were obtained from temperatures measured at hourly intervals by a datapod temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
33	830513	2.5	---	6.0	62	3
34	830520	3.5	5.4	7.5	168	7
35	830527	4.0	5.8	8.5	168	7
36	830603	4.0	6.1	9.5	168	7
37	830610	5.0	7.5	10.0	168	7
38	830617	5.0	9.0	12.0	167	7
39	830624	7.0	9.7	13.0	168	7
40	830701	8.0	10.1	13.5	168	7
41	830708	8.5	10.7	13.5	168	7
42	830715	8.5	11.3	14.5	167	7
43	830722	9.0	11.5	15.0	168	7
44	830729	9.5	11.9	15.0	168	7
45	830805	8.0	10.3	12.5	168	7
46	830812	6.5	8.8	11.5	168	7
47	830819	6.0	8.4	11.5	168	7
48	830826	6.5	8.3	11.0	167	7
49	830902	4.5	6.5	8.5	168	7
50	830909	5.5	7.1	8.5	168	7
51	830916	3.5	6.1	8.0	168	7
52	830923	.5	2.8	5.0	192	8
1	831001	.5	3.0	5.0	167	7
2	831008	0.0	1.6	3.0	168	7
3	831015	.5	---	3.5	108	5

Table 3-A-99. Weekly minimum, mean, and maximum surface water temperatures (C) at Portage Creek, RM 148.8, TRM 0.2, GC S32N01W25CAB. Values were obtained from temperatures measured at hourly intervals by a datapod temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
33	830513	1.5	3.5	6.5	132	6
34	830520	2.5	4.9	7.5	168	7
35	830527	3.5	5.5	8.5	168	7
36	830603	3.5	5.6	9.5	168	7
37	830610	4.0	6.7	9.5	168	7
38	830617	4.5	7.9	11.5	167	7
39	830624	6.0	8.7	12.5	168	7
40	830701	7.5	9.3	13.0	147	7
43	830722	12.5	---	14.5	12	1
44	830729	9.0	11.6	14.5	168	7
45	830805	6.5	9.2	11.0	168	7
46	830812	6.0	7.9	10.5	168	7
47	830819	5.5	7.4	10.0	168	7
48	830826	6.0	7.3	9.5	167	7
49	830902	3.5	5.4	7.0	168	7
50	830909	4.5	6.2	8.0	168	7
51	830916	2.5	5.1	7.0	168	7
52	830923	0.0	1.7	5.0	192	8
1	831001	0.0	2.3	4.5	167	7
2	831008	0.0	1.0	3.0	168	7
3	831015	0.0	---	3.0	106	5

Table 3-A-100. Weekly minimum, mean and maximum surface water temperatures (C) at Tsusena Creek, RM 181.8, TRM 0.1, GC S32N04E36ADB. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
34	830520	5.0	—	6.0	8	1
35	830527	3.0	5.2	8.5	84	7
36	830603	3.5	5.6	9.0	84	7
37	830610	4.5	6.7	9.0	84	7
38	830617	4.5	8.1	11.5	84	7
39	830624	6.0	9.0	13.0	84	7
40	830701	8.0	9.9	13.5	84	7
41	830708	8.5	10.2	14.0	84	7
42	830715	8.5	—	12.0	42	4
47	830819	5.4	—	7.4	19	2
48	830826	5.4	6.9	9.4	84	7
49	830902	2.9	5.0	6.4	84	7
50	830909	3.5	5.1	6.9	83	7
51	830916	1.5	3.8	5.0	84	7
52	830923	0.0	—	3.0	59	5

3-A-271

Table 3-A-101. Weekly minimum, mean and maximum surface water temperatures (C) At Deadman Creek, RM 186.7, TRM 0.1, GC S32NO4E31CDB. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
34	830520	4.8	-----	6.3	12	1
35	830527	4.3	6.0	8.3	84	7
36	830603	4.3	6.5	8.8	84	7
37	830610	5.8	8.3	9.8	84	7
38	830617	7.3	11.0	13.3	84	7
39	830624	10.3	13.1	16.3	84	7
40	830701	12.3	14.0	16.8	84	7
41	830708	12.3	13.7	16.3	84	7
42	830715	9.4	12.9	15.3	84	7
43	830722	10.9	13.6	17.4	84	7
44	830729	10.9	13.6	16.9	84	7
45	830805	9.4	11.2	12.9	84	7
46	830812	7.9	9.4	11.4	84	7
47	830819	7.5	-----	11.4	40	4
50	830909	4.2	-----	6.2	30	3
51	830916	2.7	4.6	6.2	84	7
52	830923	.2	-----	3.2	29	3

3-A-272

Table 3-A-102. Weekly minimum, mean and maximum surface water temperatures (C) at Watana Creek, RM 194.1, TRM 0.1, GC S32N06E25CCA. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
33	830513	2.8	—	6.3	30	3
34	830520	2.8	4.9	8.3	84	7
35	830527	3.3	6.0	9.8	79	7
36	830603	4.3	6.8	10.8	84	7
37	830610	5.3	7.9	10.8	84	7
38	830617	5.8	10.3	14.3	84	7
39	830624	7.8	11.1	16.3	84	7
40	830701	8.8	11.5	15.3	84	7
41	830708	8.8	11.1	15.8	83	7
42	830715	6.4	10.5	13.8	84	7
43	830722	6.9	10.8	14.9	84	7
44	830729	7.4	10.4	14.4	84	7
45	830805	6.9	9.4	11.4	84	7
46	830812	5.4	7.7	9.4	84	7
47	830819	4.9	6.4	10.4	83	7
48	830826	4.6	6.1	8.1	84	7
49	830902	3.6	—	6.6	24	2
50	830909	3.0	—	5.0	30	3
51	830916	.5	3.4	5.0	84	7
52	830923	0.0	.6	3.0	96	8
1	831001	0.0	.9	3.0	84	7
2	831008	0.0	—	.5	53	5

3-A-273

Table 3-A-103. Weekly minimum, mean and maximum surface water temperatures (C) at Kosina Creek, RM 206.8, TRM 0.1, GC S31N08E15BAB. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
34	830520	5.5	-----	6.0	6	1
35	830527	4.0	6.3	10.5	84	7
36	830603	4.5	7.3	11.0	84	7
37	830610	5.0	8.8	11.5	84	7
38	830617	7.5	-----	14.5	29	3
39	830624	11.3	-----	14.3	7	1
40	830701	9.8	12.5	17.3	84	7
41	830708	9.8	11.9	15.3	84	7
42	830715	8.3	11.8	14.3	83	7
43	830722	9.3	12.7	16.3	84	7
44	830729	9.3	12.4	15.8	84	7
45	830805	9.3	11.1	13.3	84	7
46	830812	6.3	8.9	11.3	84	7
47	830819	5.6	8.3	11.8	84	7
48	830826	6.6	7.9	10.1	84	7
49	830902	3.1	5.7	8.1	84	7
50	830909	2.5	5.2	6.6	84	7
51	830916	1.0	3.6	5.0	84	7
52	830923	0.0	.3	3.5	96	8
1	831001	.5	-----	1.5	14	2

3-A-274

Table 3-A-104. Weekly minimum, mean and maximum surface water temperatures (C) at Goose Creek, RM 231.3, TRM 0.1, GC S30N11E32DBC. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
34	830520	1.3	---	6.3	18	2
35	830527	.8	3.4	7.3	84	7
36	830603	1.8	---	4.3	28	3
38	830617	5.8	---	12.3	54	5
39	830624	7.3	10.2	14.3	84	7
40	830701	9.8	---	12.3	9	1
44	830729	8.6	11.6	15.1	84	7
45	830805	8.6	10.3	12.6	84	7
46	830812	6.1	8.3	11.1	84	7
47	830819	6.0	8.0	11.1	84	7
48	830826	6.0	7.5	10.0	84	7
49	830902	3.0	5.4	8.0	84	7
50	830909	2.1	4.8	7.0	84	7
51	830916	.6	2.9	4.6	84	7
52	830923	.1	.4	2.6	96	8
1	831001	.1	.4	1.6	84	7
2	831008	.1	---	.1	53	5

3-A-275

Table 3-A-105. Weekly minimum, mean and maximum surface water temperatures (C) at Oshetna River, RM 233.4, TRM 0.1, GC S30N11E34CCD. Values were obtained from temperatures measured at two-hour intervals by a Ryan temperature recorder.

Water Year Week	Starting Calendar Date	Weekly Value (C)			n	No. of days in record
		Min	Mean	Max		
33	830513	6.0	-----	7.5	6	1
34	830520	3.0	5.2	7.5	84	7
35	830527	3.5	6.7	9.5	84	7
36	830603	4.0	7.2	10.0	84	7
37	830610	5.5	8.4	10.0	84	7
38	830617	7.0	10.3	13.0	84	7
39	830624	9.0	11.4	14.5	84	7
40	830701	10.5	12.2	15.0	84	7
41	830708	9.0	11.4	14.0	84	7
42	830715	9.3	11.4	14.0	83	7
43	830722	8.8	10.7	13.3	84	7
44	830729	8.8	10.7	13.3	84	7
45	830805	8.8	9.8	10.8	84	7
46	830812	5.8	8.0	10.3	83	7
47	830819	5.5	7.4	9.8	83	7
48	830826	5.5	6.8	8.5	84	7
49	830902	3.5	5.2	7.5	84	7
50	830909	3.0	4.7	6.0	77	7
51	830916	2.0	3.7	4.5	84	7
52	830923	.5	.8	4.5	96	8
1	831001	.5	1.0	2.0	84	7
2	831008	.5	-----	.5	53	5

3-A-276

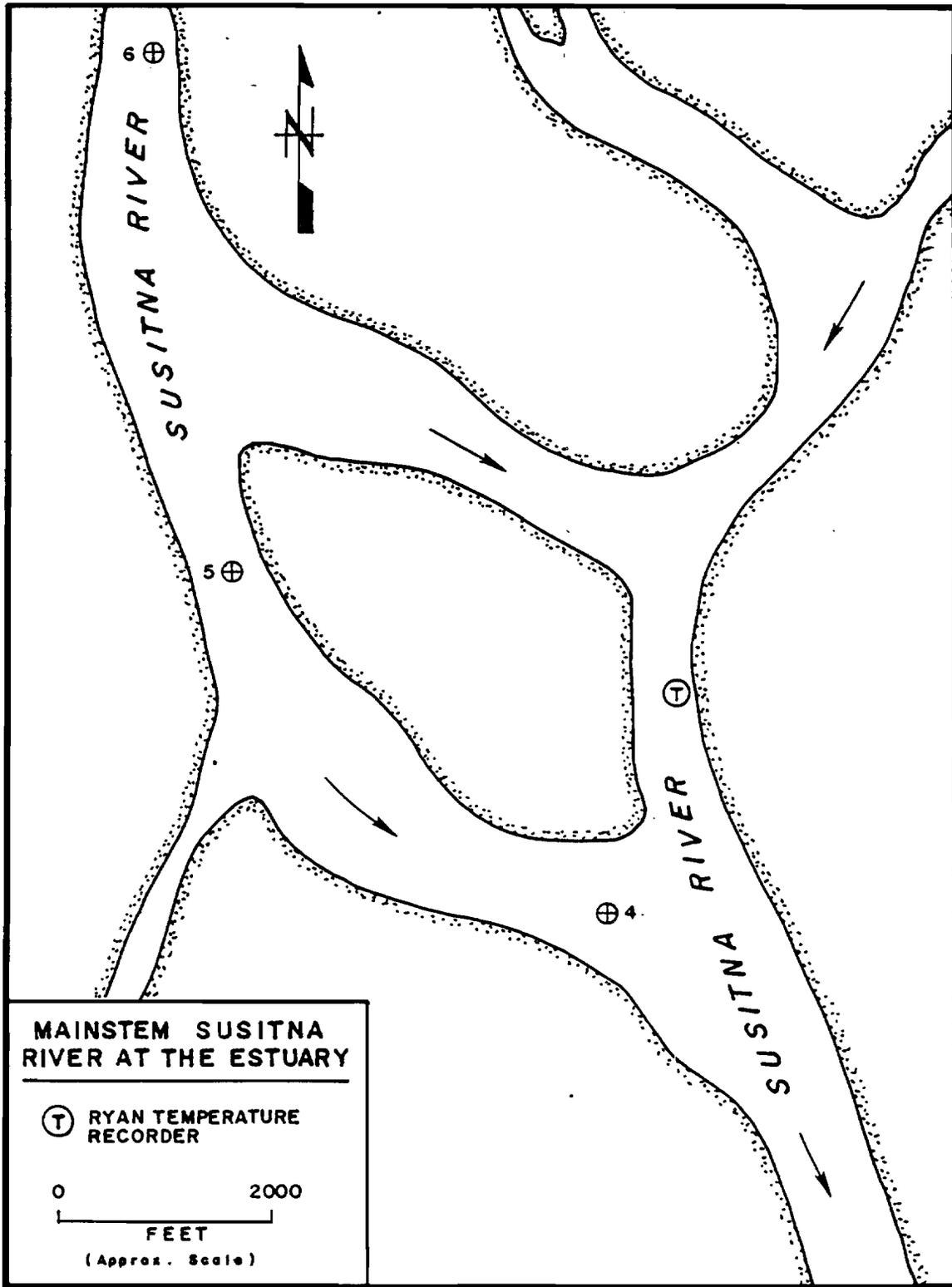


Figure 3-A-1. Location of the temperature monitoring station at Mainstem Susitna River at Estuary, (RM 4.5), GC S14N07W05ADB.

3-A-277

3-A-278

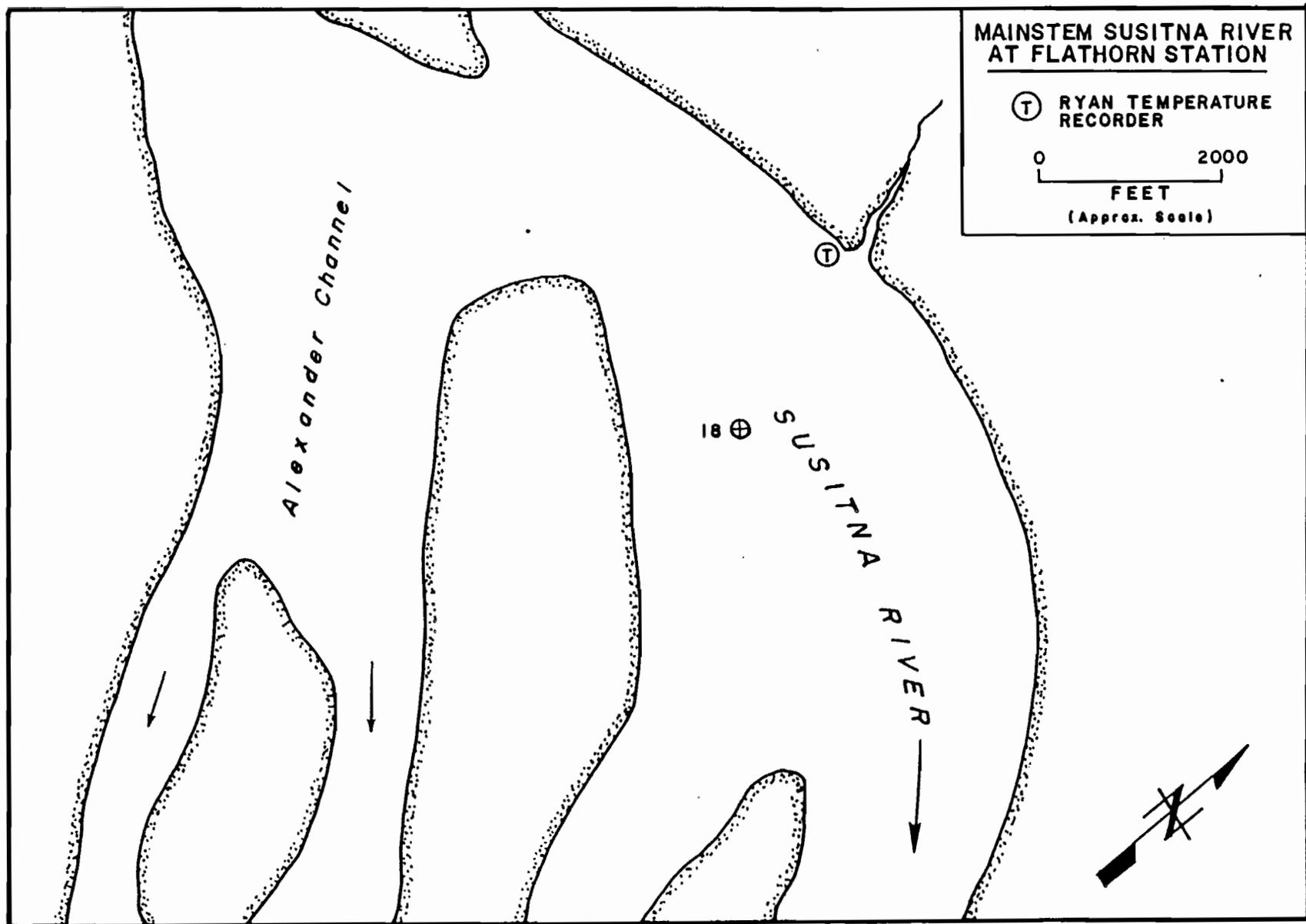


Figure 3-A-2. Location of the temperature monitoring station at Mainstem Susitna River at Flathorn, (RM 18.2), GC S16N07W15DDD.

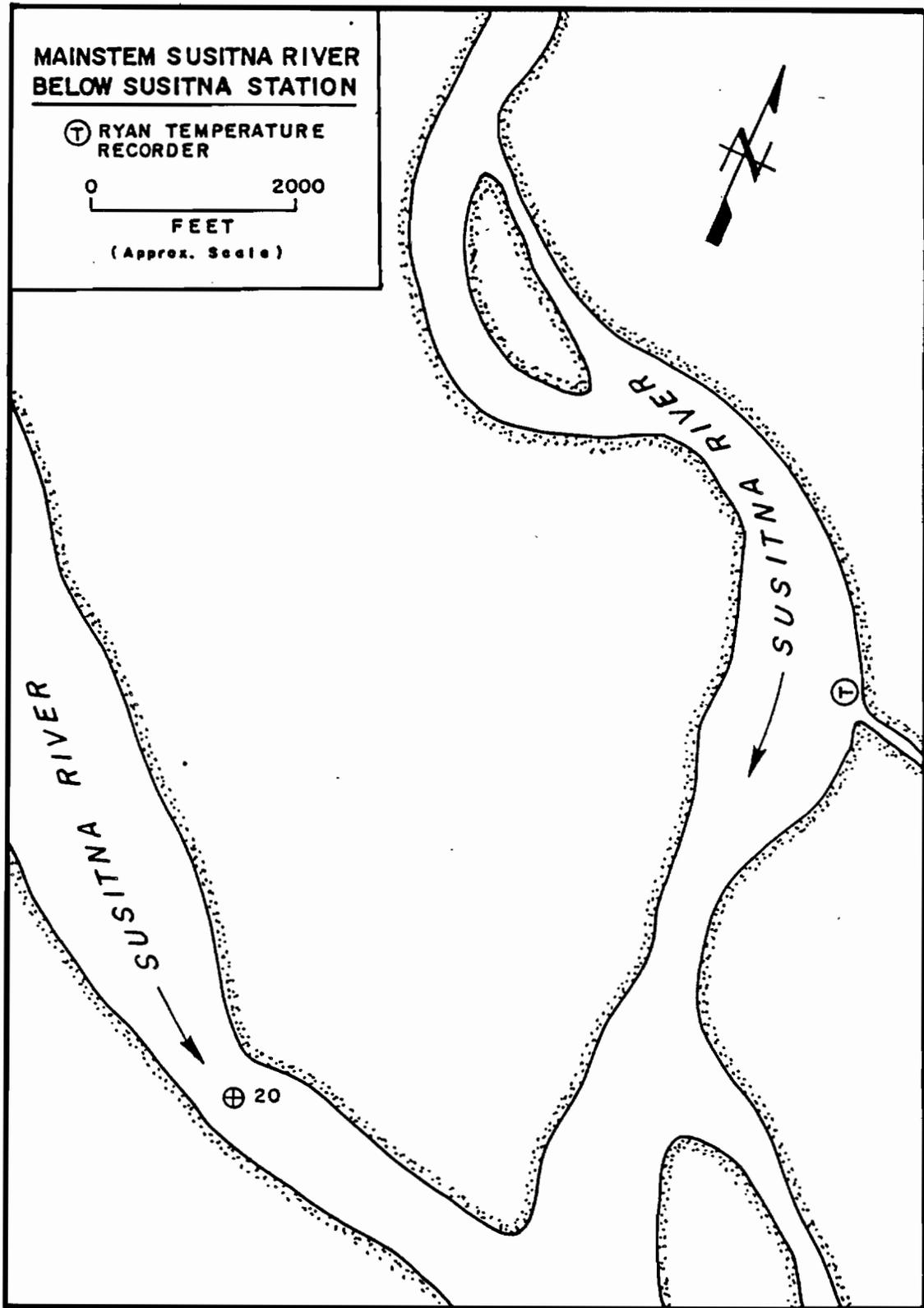


Figure 3-A-3. Location of the temperature monitoring station at Mainstem Susitna River below Susitna Station (RM 20.5), GC S16N07W08DDB.

3-A-279

3-A-280

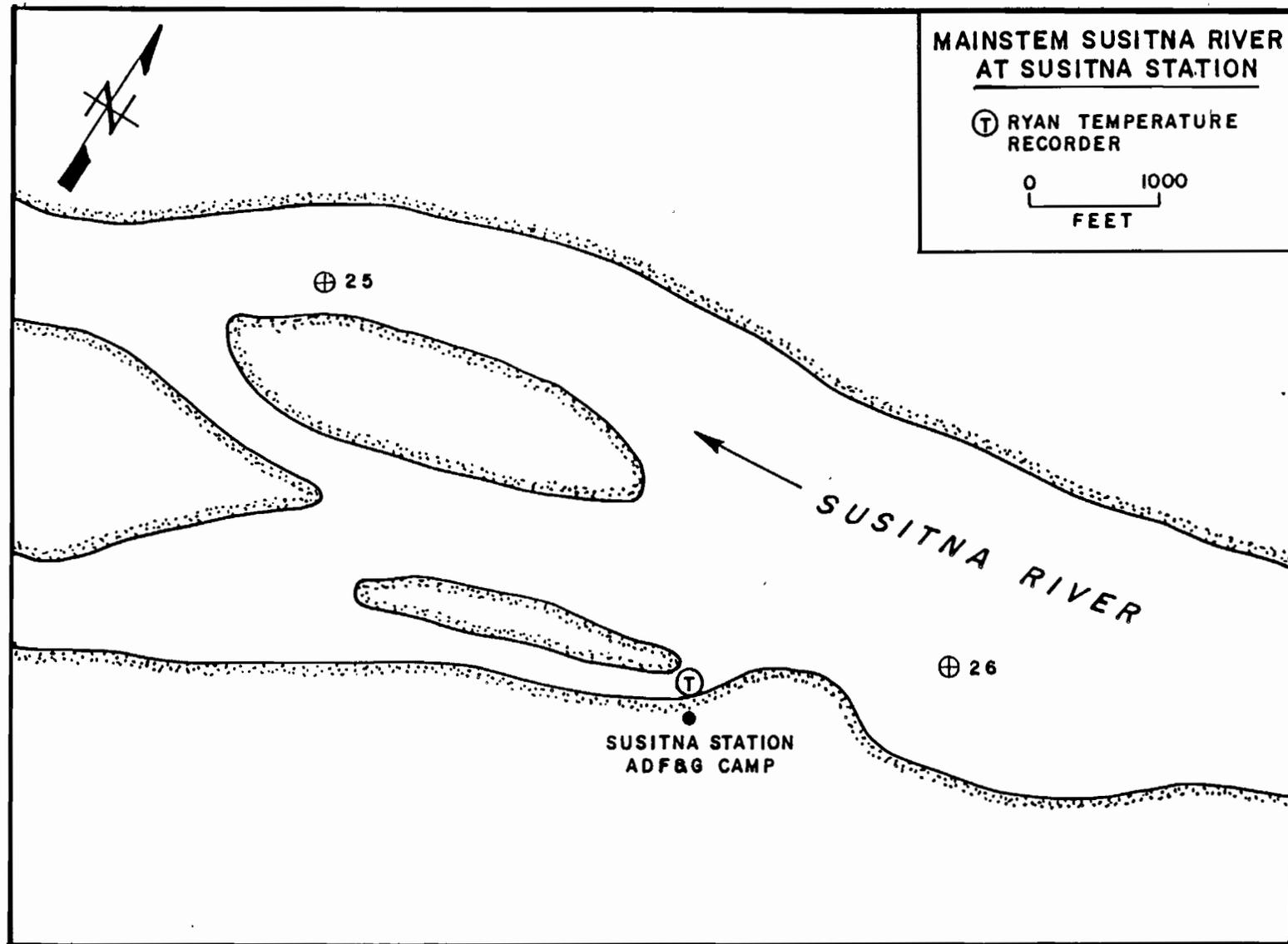


Figure 3-A-4. Location of the temperature monitoring station at Mainstem Susitna River at Susitna Station (RM 25.8), CG S17N07W22DCD.

3-A-281

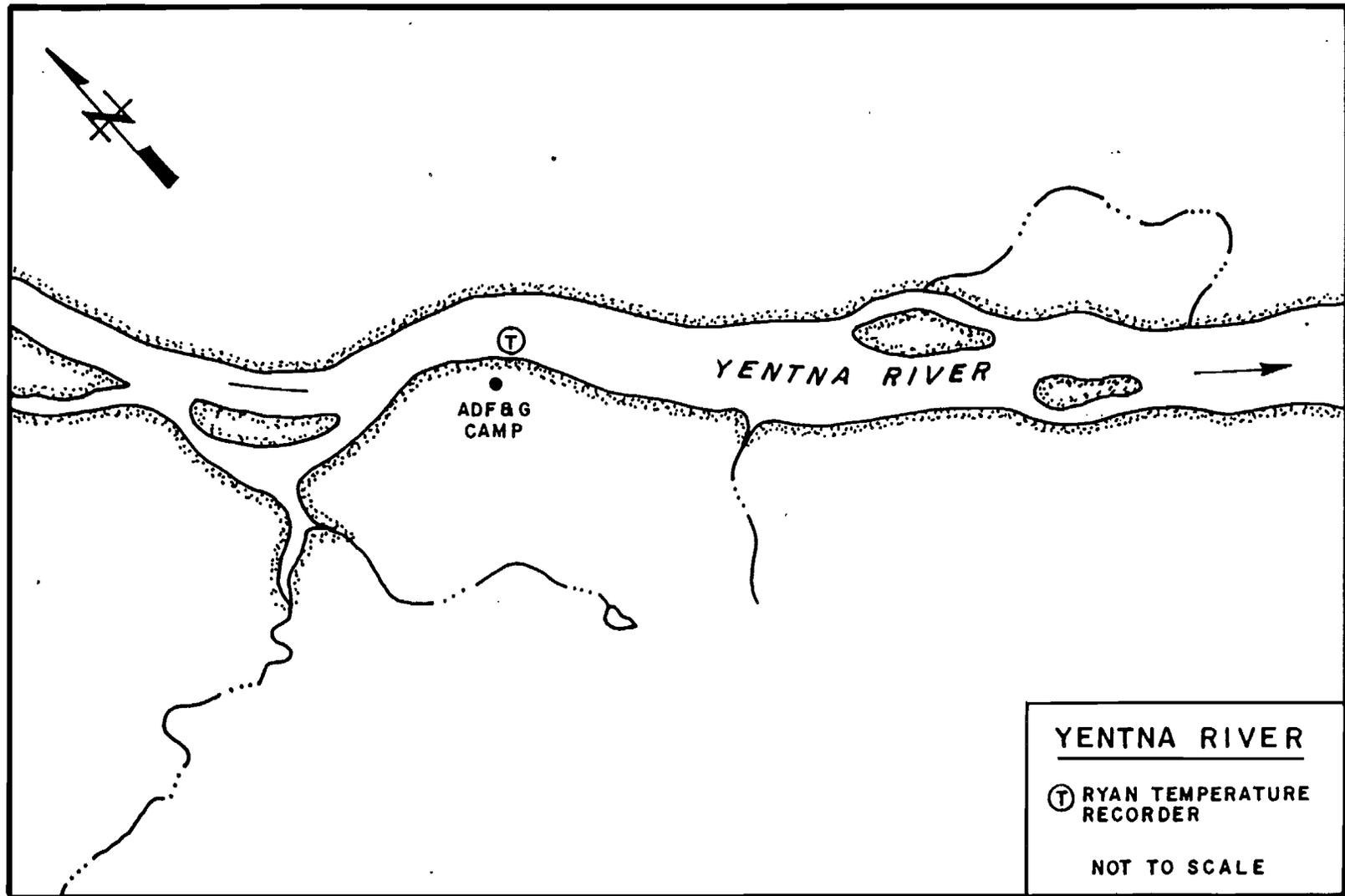


Figure 3-A-5. Location of the temperature monitoring station at Yentna River (RM 28.0), GC S17N07W01CAB.

3-A-282

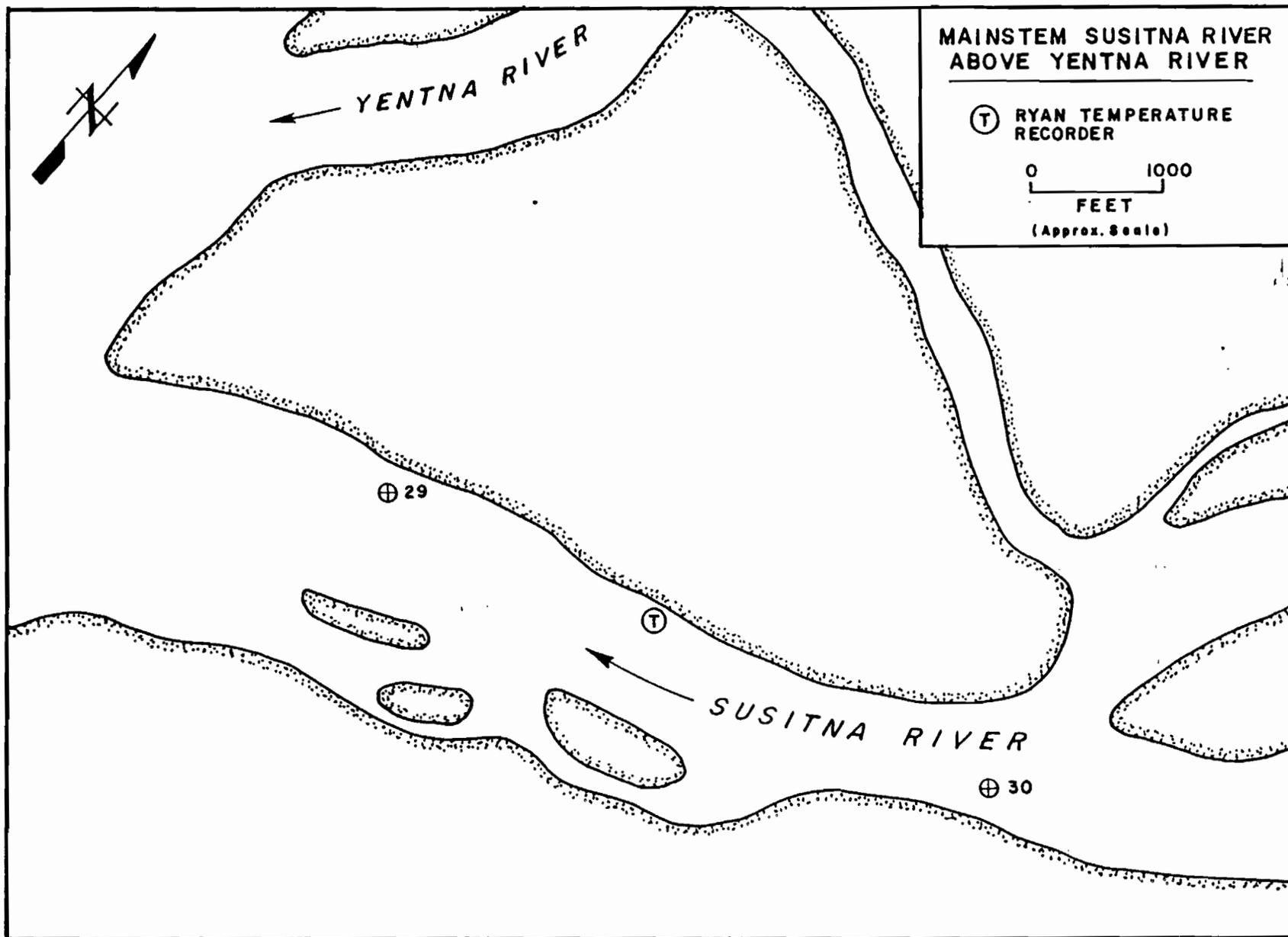


Figure 3-A-6. Location of the temperature monitoring station at Mainstem Susitna River above Yentna River (RM 29.5), GC S17N06W07CAD.

3-A-283

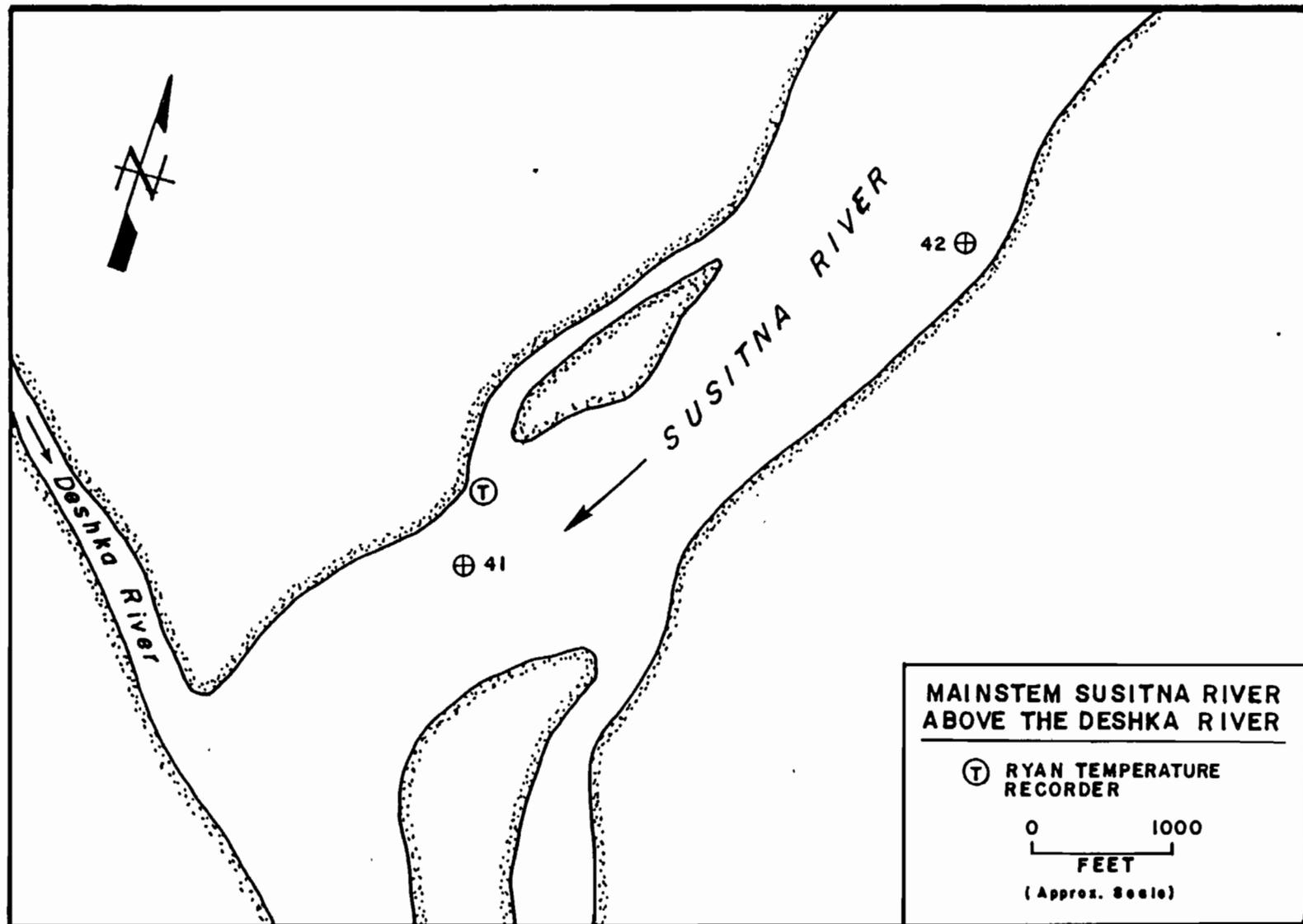


Figure 3-A-7. Location of the temperature monitoring station at Mainstem Susitna River above Deshka River (RM 41.1), GC S19N06W26CBC.

3-A-284

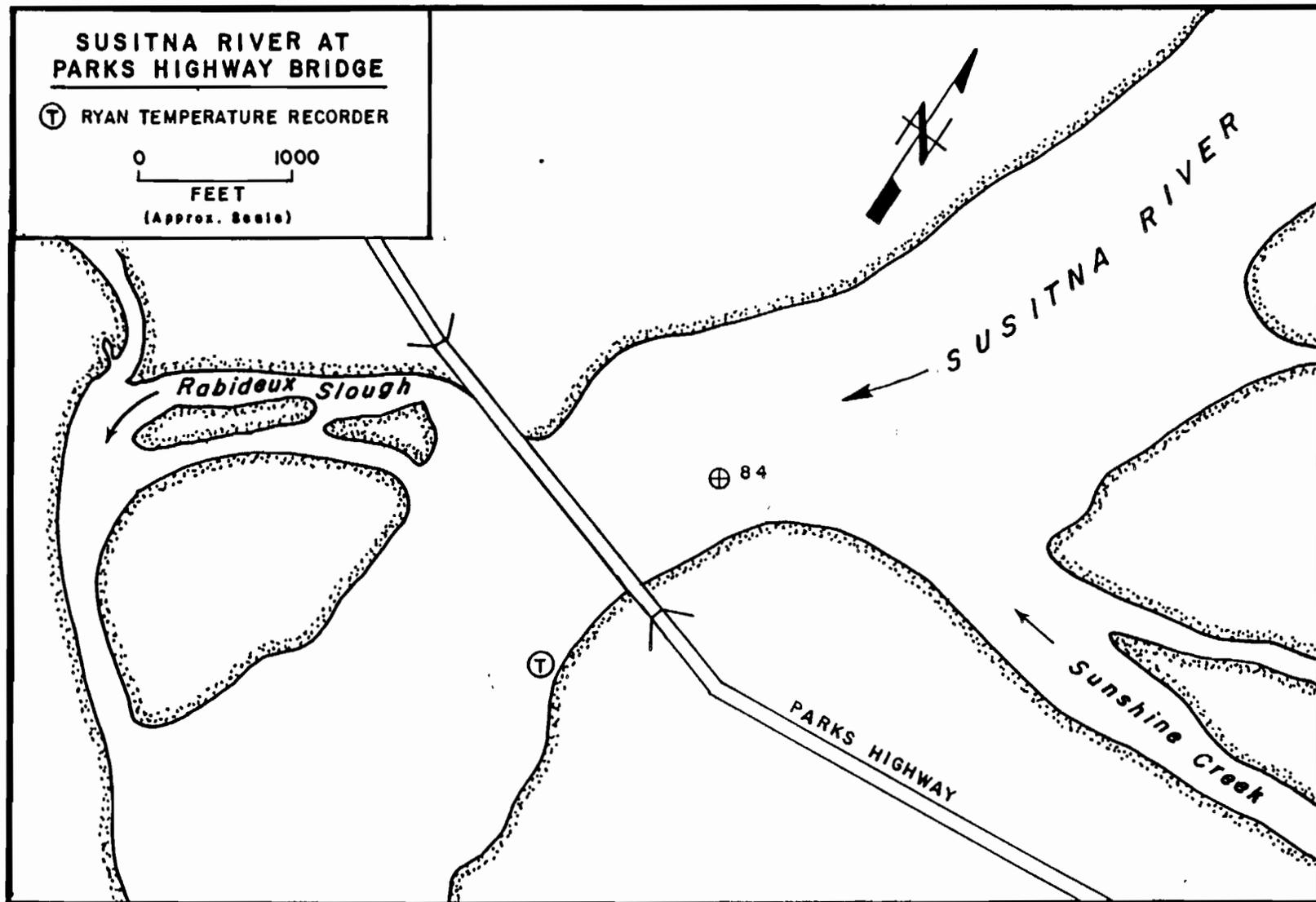


Figure 3-A-8. Location of the temperature monitoring station at Mainstem Susitna River at Parks Highway (RM 83.9), GC S24N05W15BAD.

3-A-285

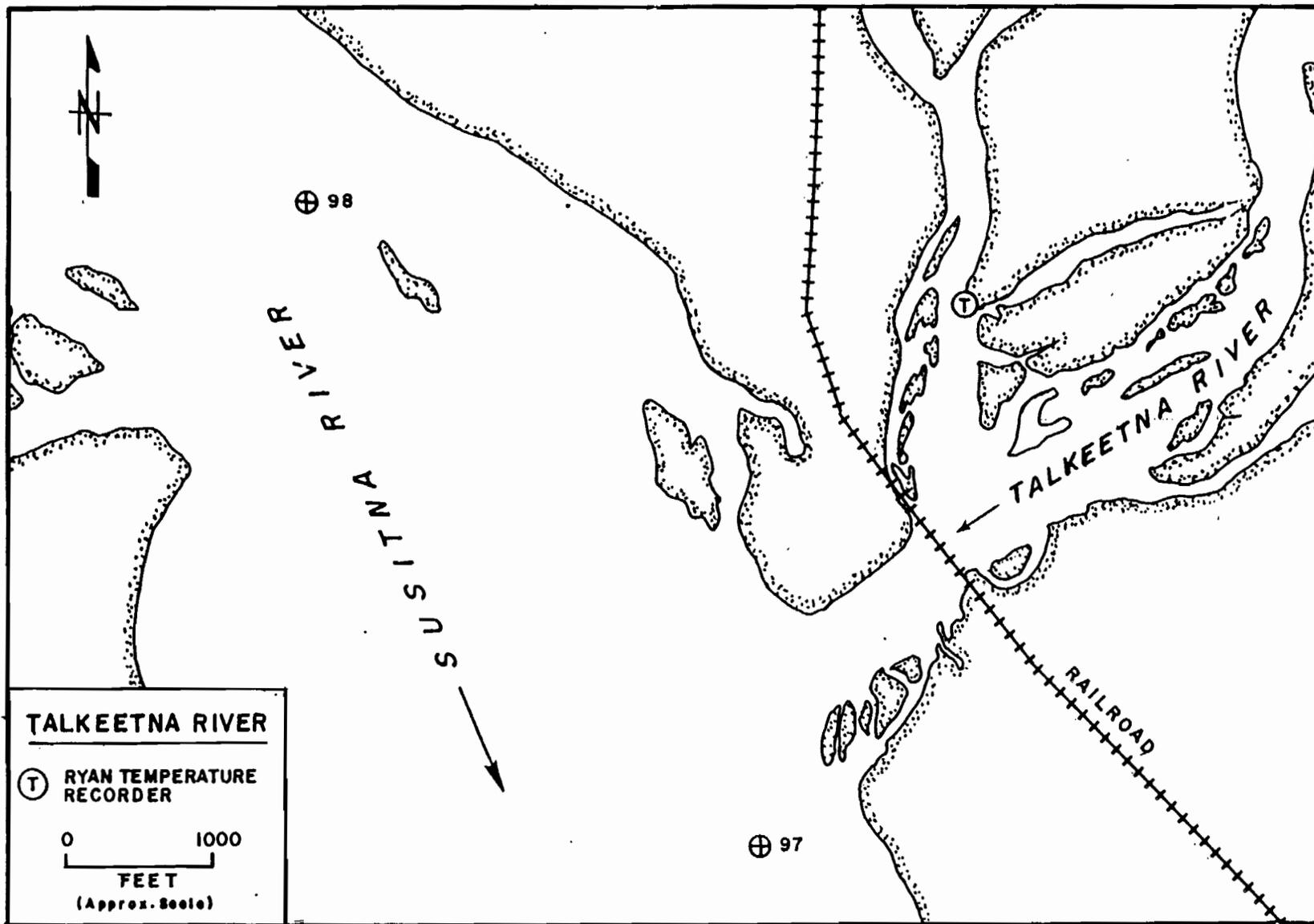


Figure 3-A-9. Location of the temperature monitoring station at Talkeetna River (RM 97.2), GC S26N05W24BDA.

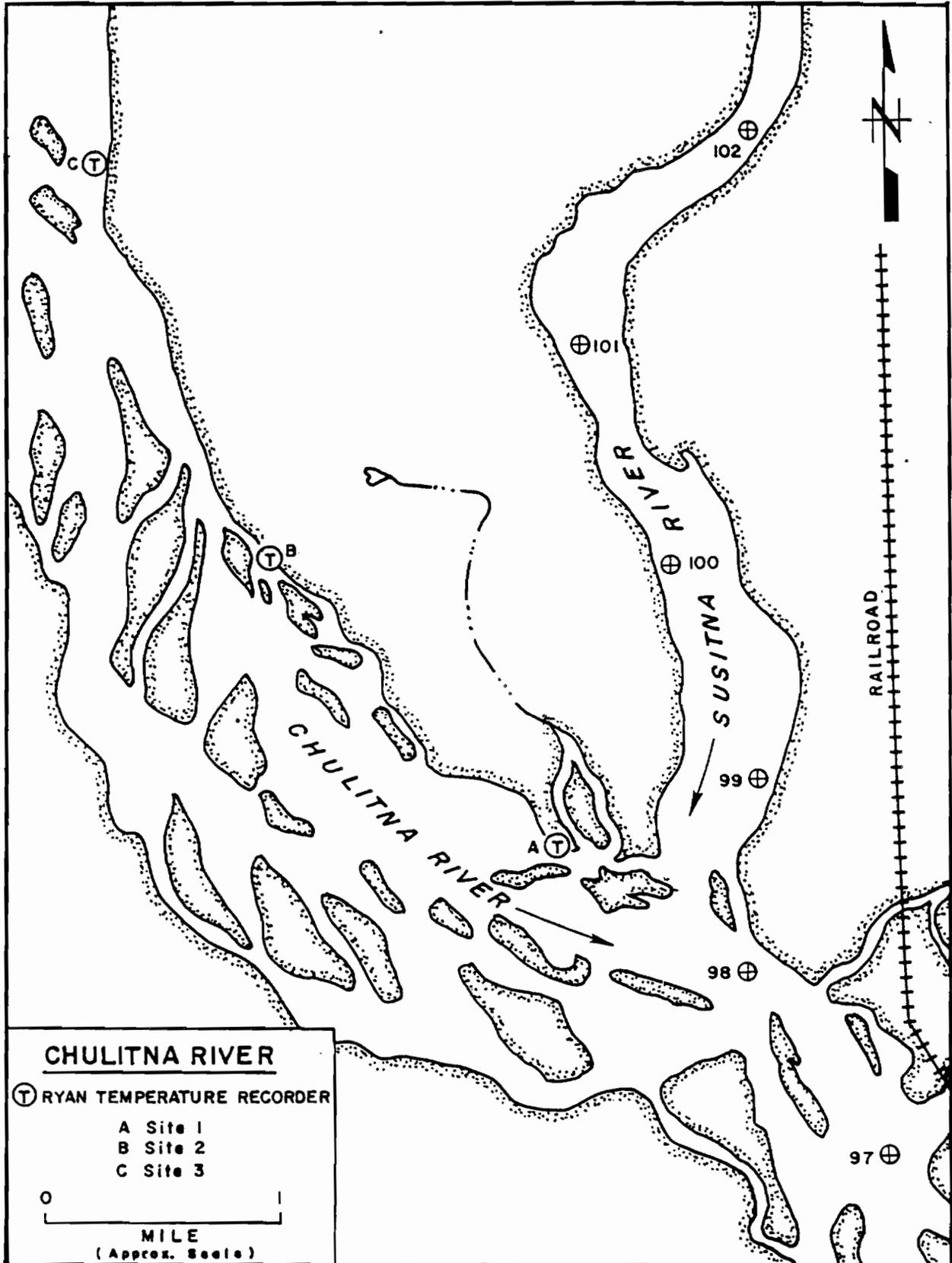


Figure 3-A-10. Location of the temperature monitoring station at Chulitna River (RM 98.6), GC S26N05W15DAA.

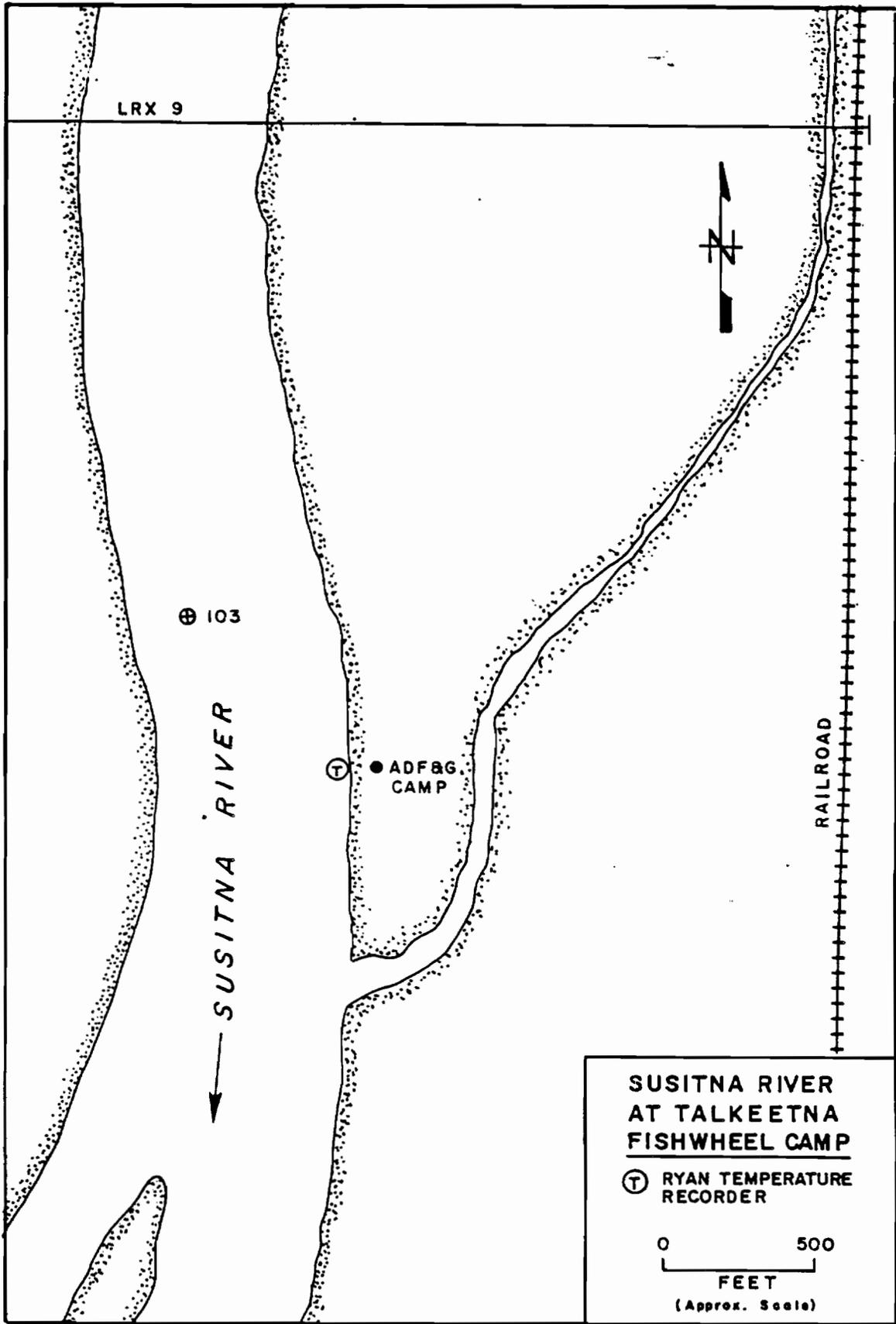


Figure 3-A-11. Locations of the temperature monitoring stations at Mainstem Susitna River at Talkeetna Fishwheel Camp (RM 103.0), GC S27N05W26DDD and LRX 9 (RM 103.2), GC S27N05W26ADD.

3-A-288

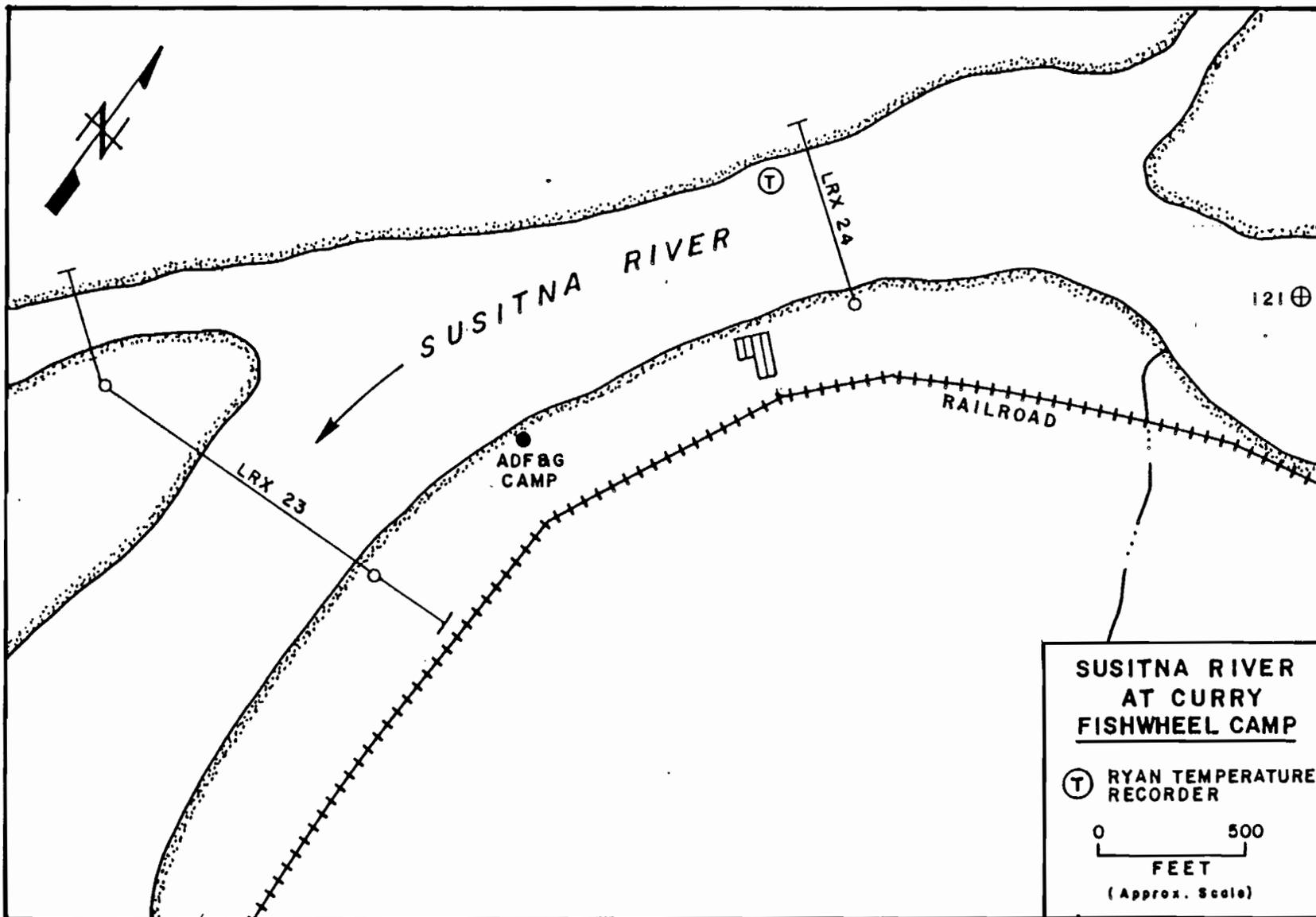


Figure 3-A-12. Location of the temperature monitoring station at Mainstem Susitna River at Curry Fishwheel Camp (RM 120.7), GC S29N04W10CBA.

3-A-289

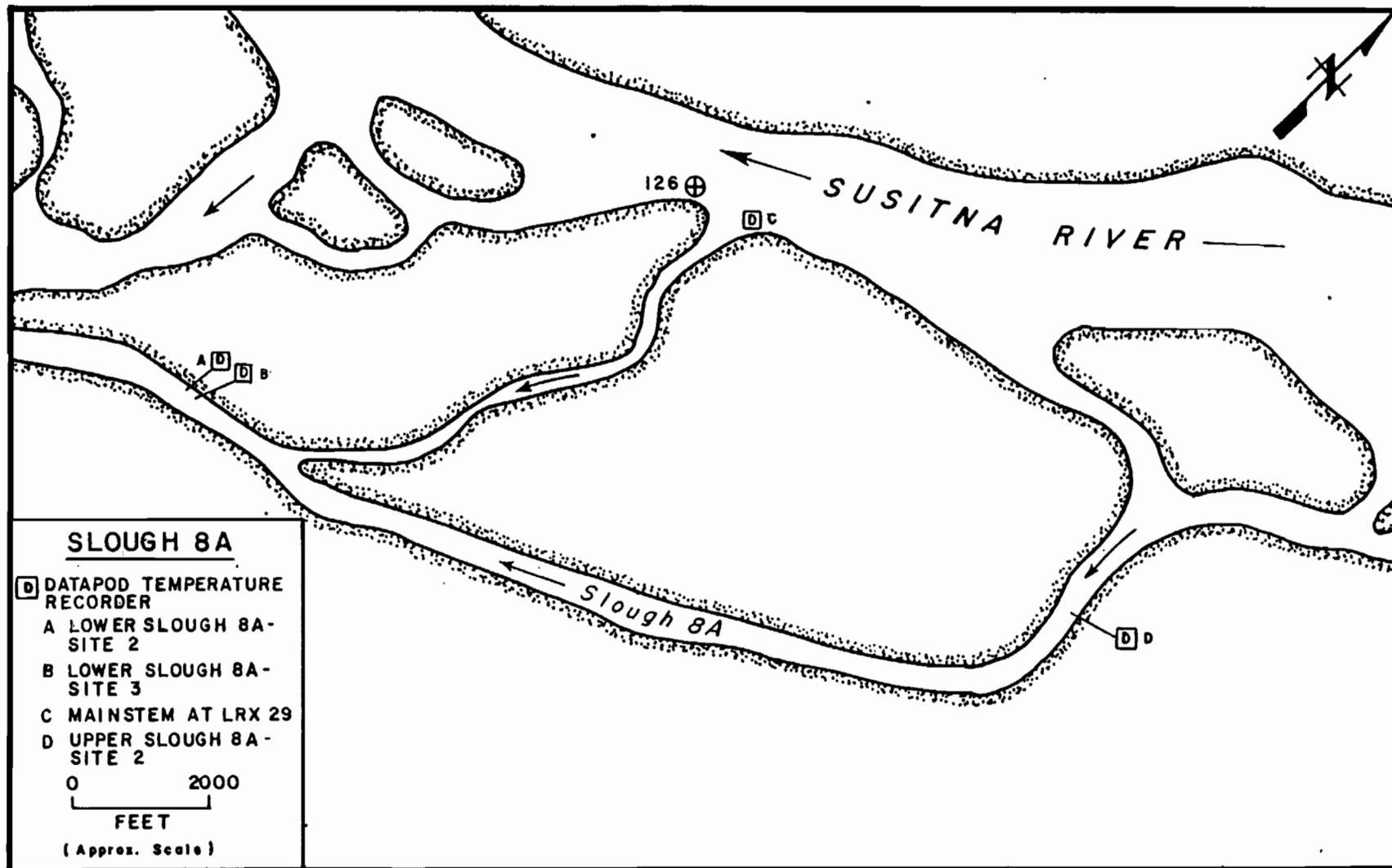


Figure 3-A-13. Locations of the temperature monitoring stations at Upper Slough 8A (RM 126.6), GC S30N03W20CDD; and Lower Slough 8A (RM 125.4), GC S30N03W30BCD; and LRX 29 (RM 126.1), GC S30N03W19DCA.

3-A-290

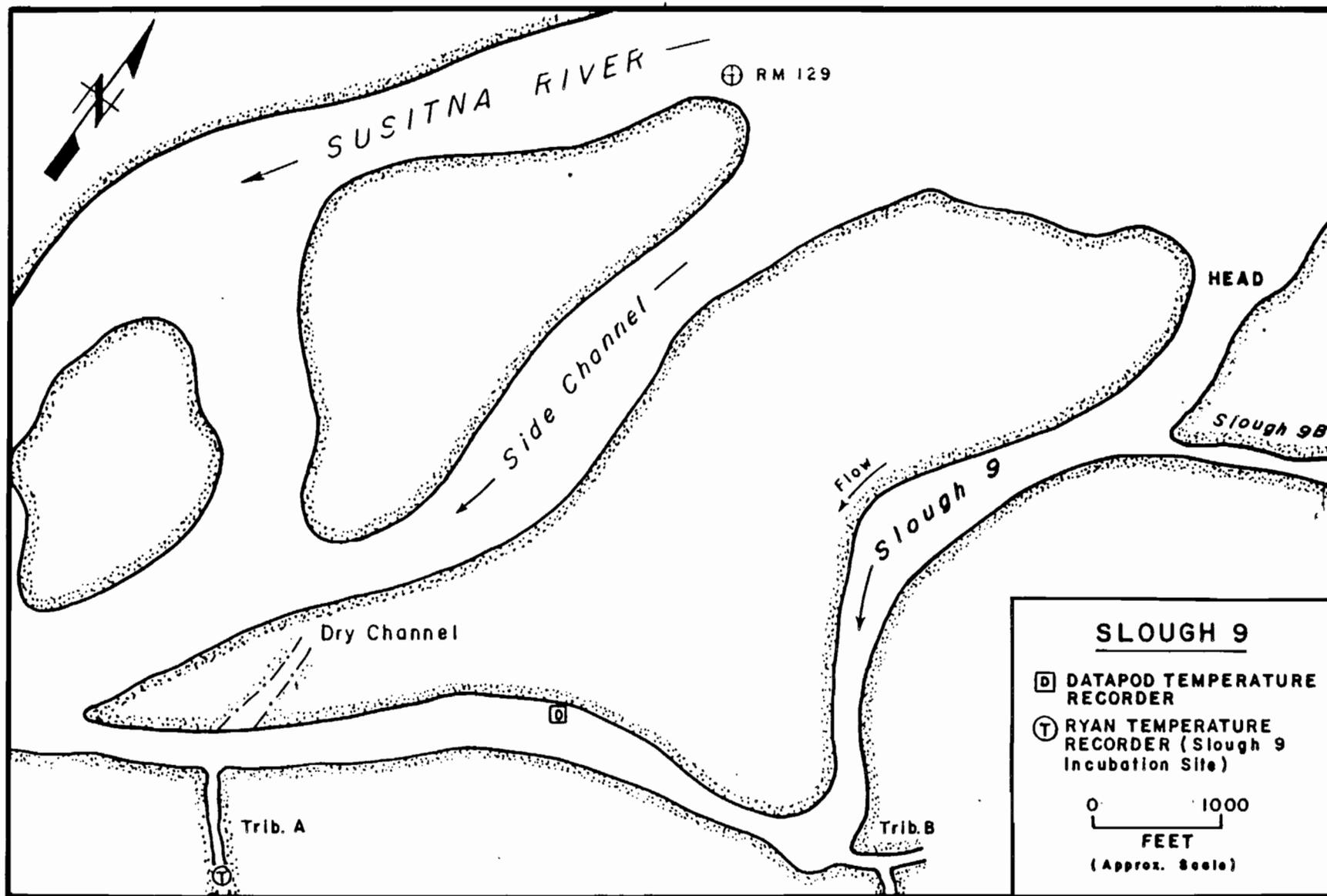


Figure 3-A-14. Locations of the temperature monitoring stations at Slough 9 (RM 128.8), GC S30N03NW16ABC and Slough 9 Incubation Site (RM 128.3), GC S30N03W09DCB.

3-A-291

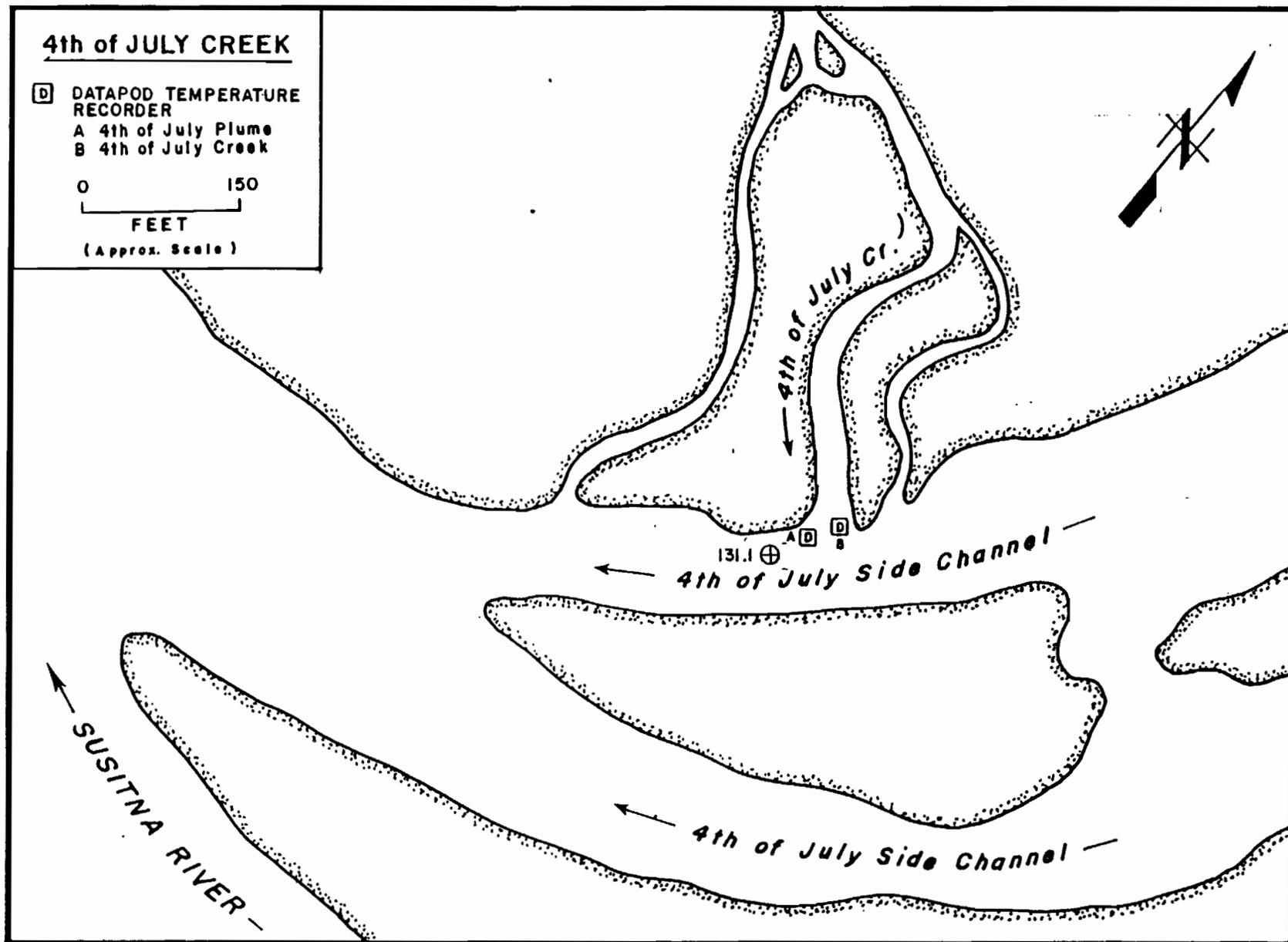


Figure 3-A-15. Location of the temperature monitoring station at Fourth of July Creek and Plume (RM 131.1), GC S30N03W03DAC.

3-A-292

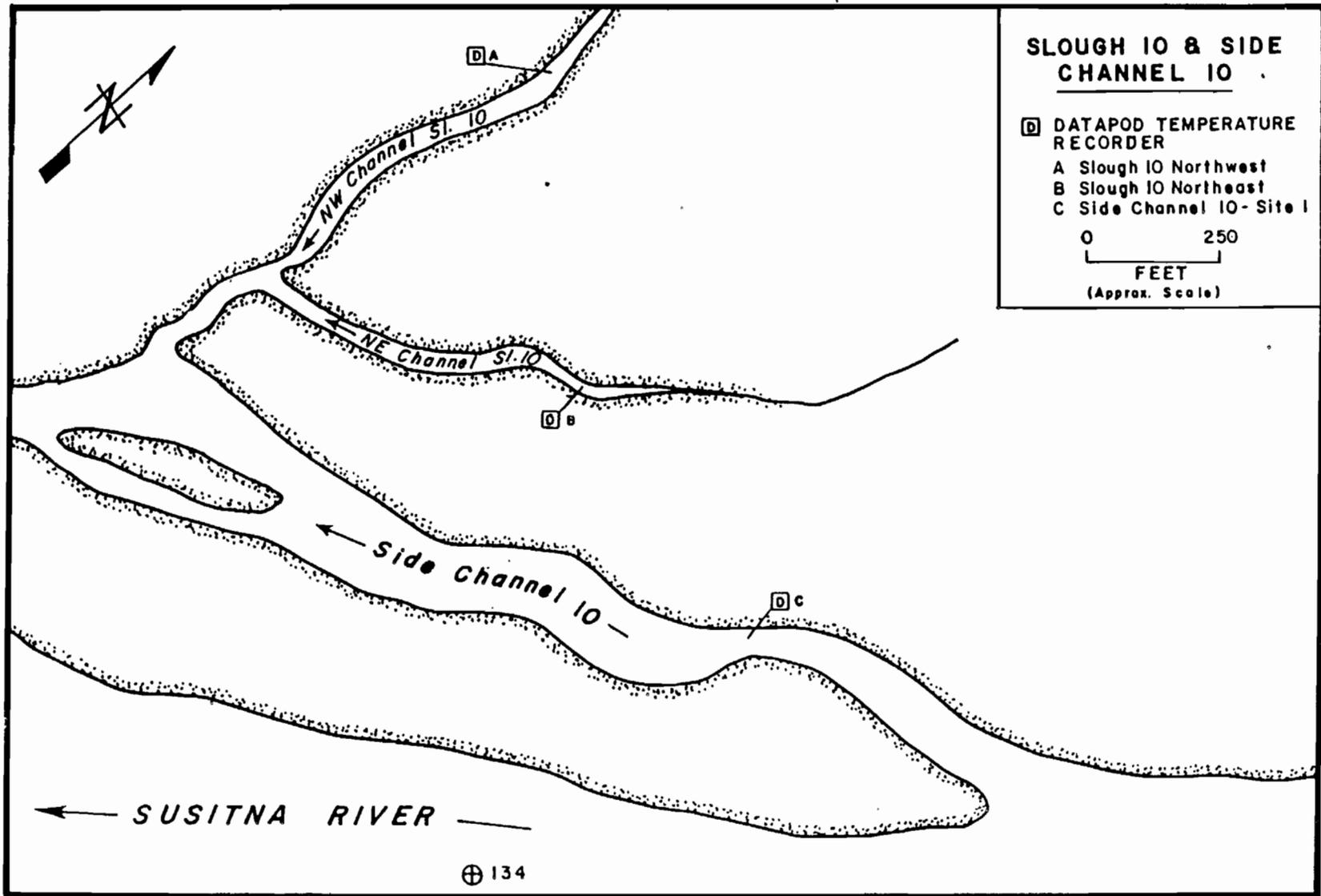


Figure 3-A-16. Locations of the temperature monitoring stations at Slough 10 Northeast (RM 134.0), GC S31N03W36AAA; Slough 10 Northwest (RM 134.0), GC S31N03W36AAA; and Side Channel 10 (RM 133.9), GC S31N03W36AAA.

3-A-293

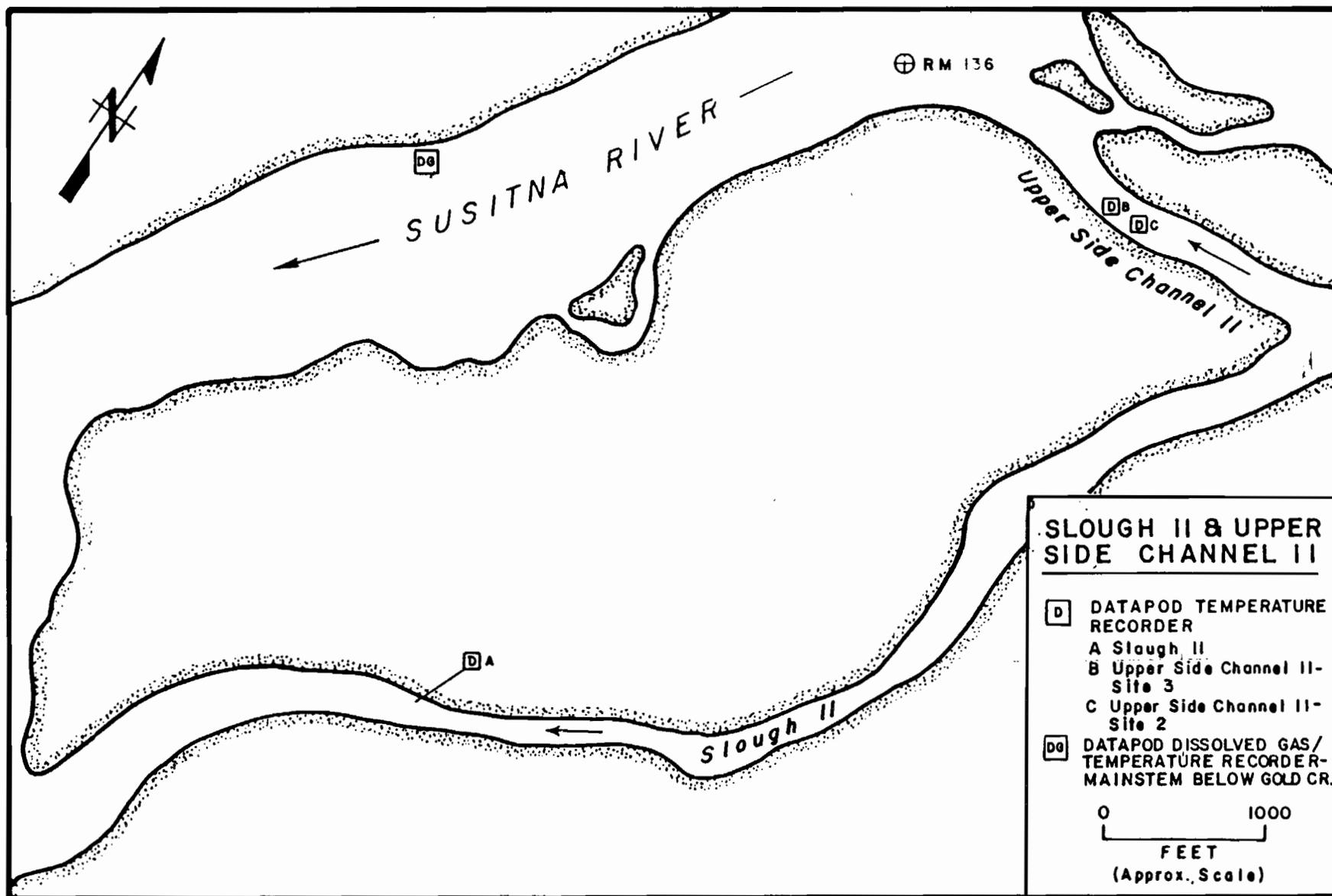


Figure 3-A-17. Locations of the temperature monitoring stations at Slough II (RM 135.3), GC S31N02W19DDD; Upper Side Channel II (RM 136.3), GC S32N02W20BBD; and Mainstem Susitna River at Gold Creek (RM 136.7), GC S31N02W20BAA.

3-A-294

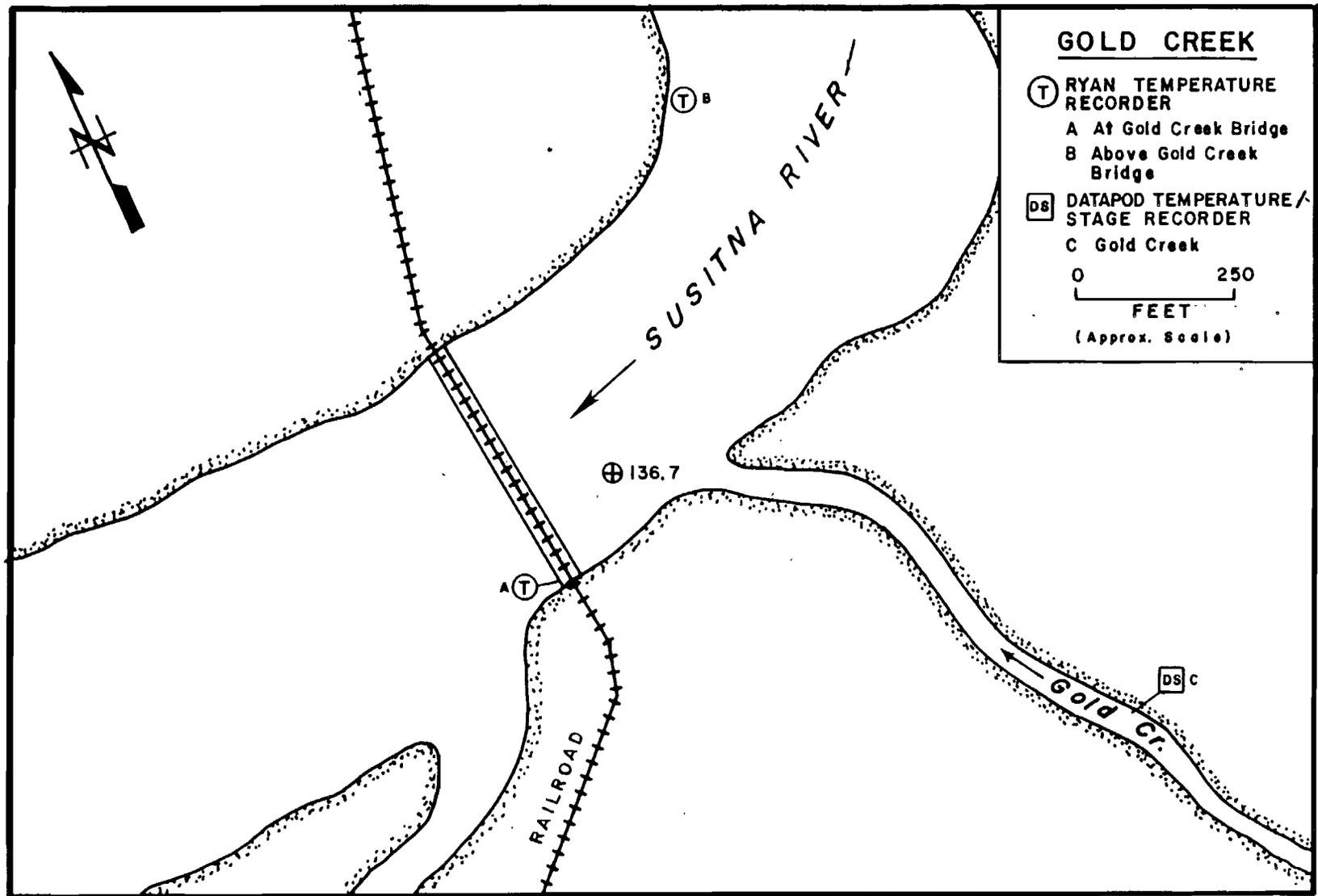


Figure 3-A-18. Locations of the temperature monitoring stations at Mainstem Susitna River at Gold Creek Bridge (RM 136.6), GC S31N02W20BAC; Mainstem Susitna river above Gold Creek (RM 136.8), GC S31N02W20BAA and Gold Creek (RM 136.7), GC S31N02W20BAA.

3-A-295

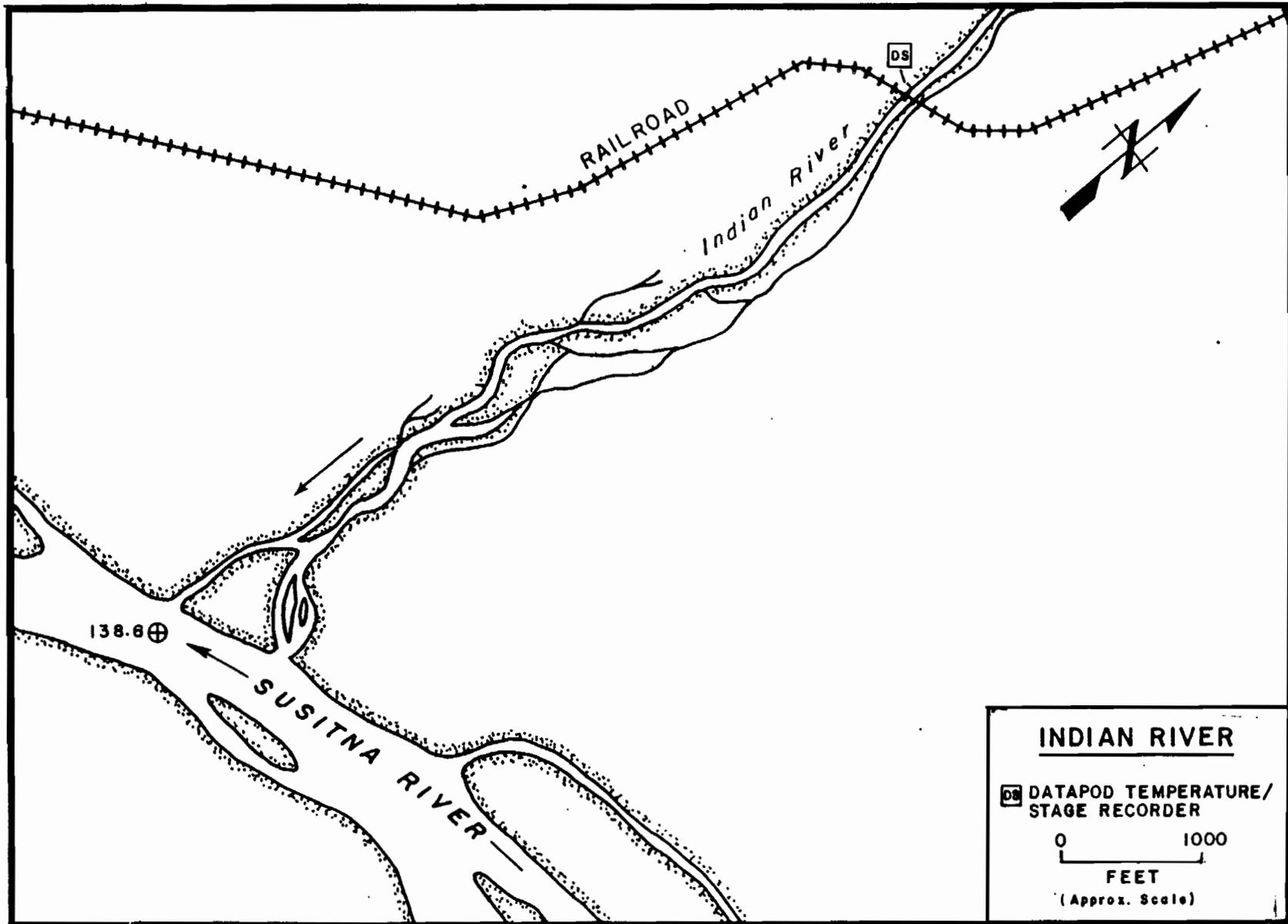


Figure 3-A-19. Location of the temperature monitoring station at Indian River (RM 138.6), GC S31N02W09CDA.

3-A-296

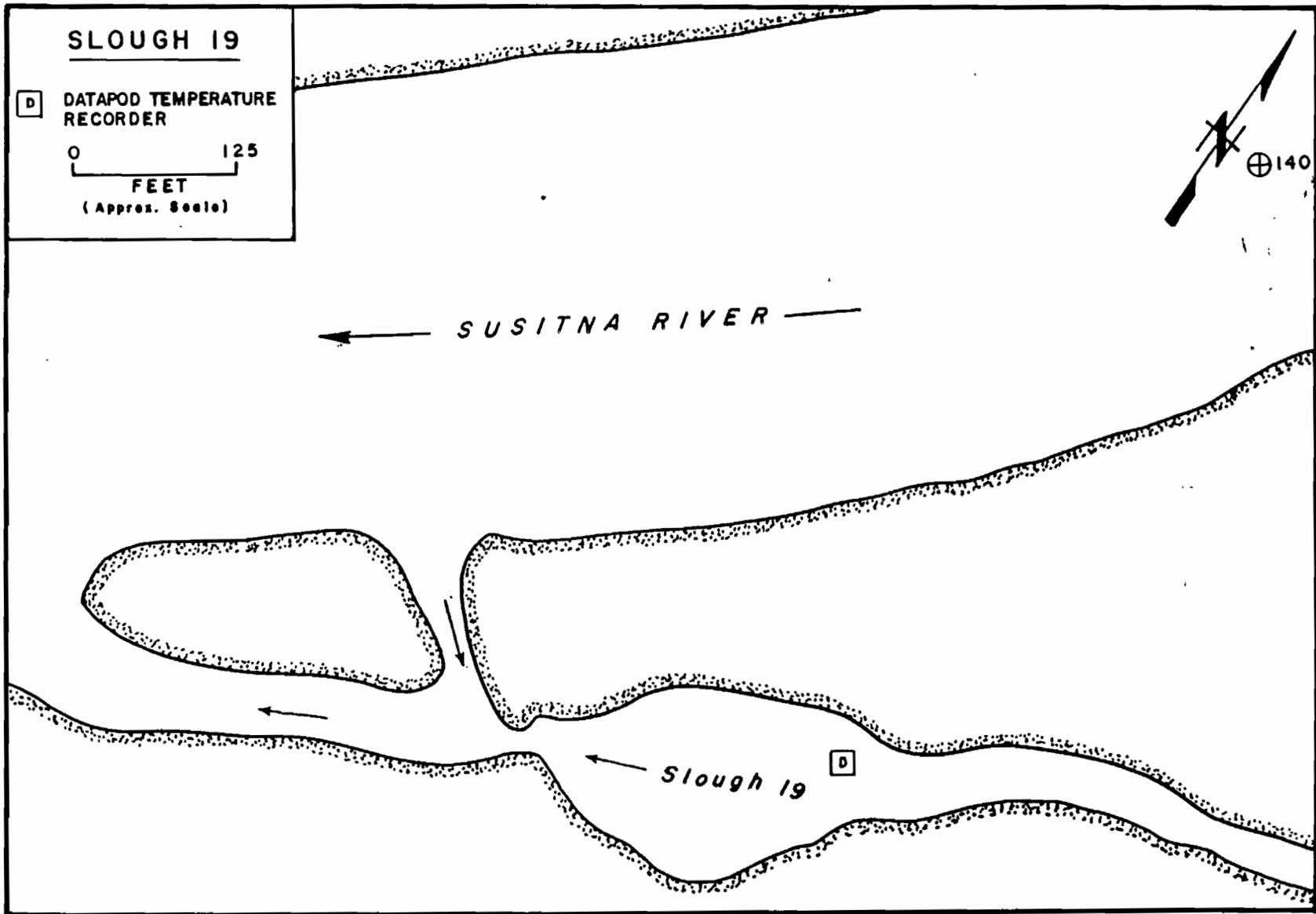


Figure 3-A-20. Location of the temperature monitoring station at Slough 19 (RM 140.0), GC S31N11W10DBB.

3-A-297

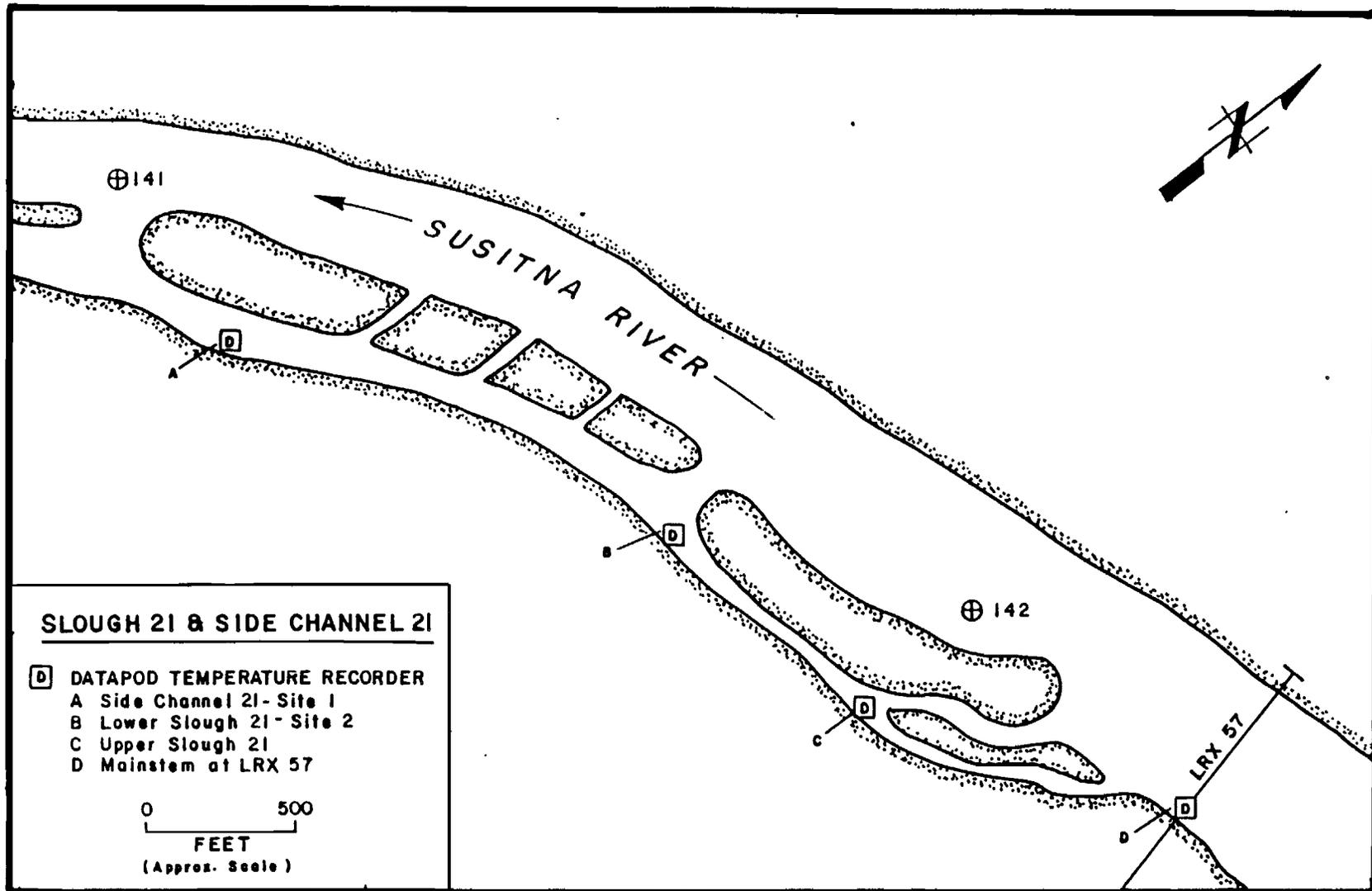


Figure 3-A-21. Location, of the temperature monitoring stations at Mainstem Susitna River at LRX 57 (RM 142.3), GC S32N02W36CBA; Upper Slough 21 (RM 142.0), GC S32N02W36CCC; Lower Slough 21 (RM 141.8), GC S31N02W02AAA; and Side Channel 21 (RM 141.0), GC S31N02W02CAA.

3-A-298

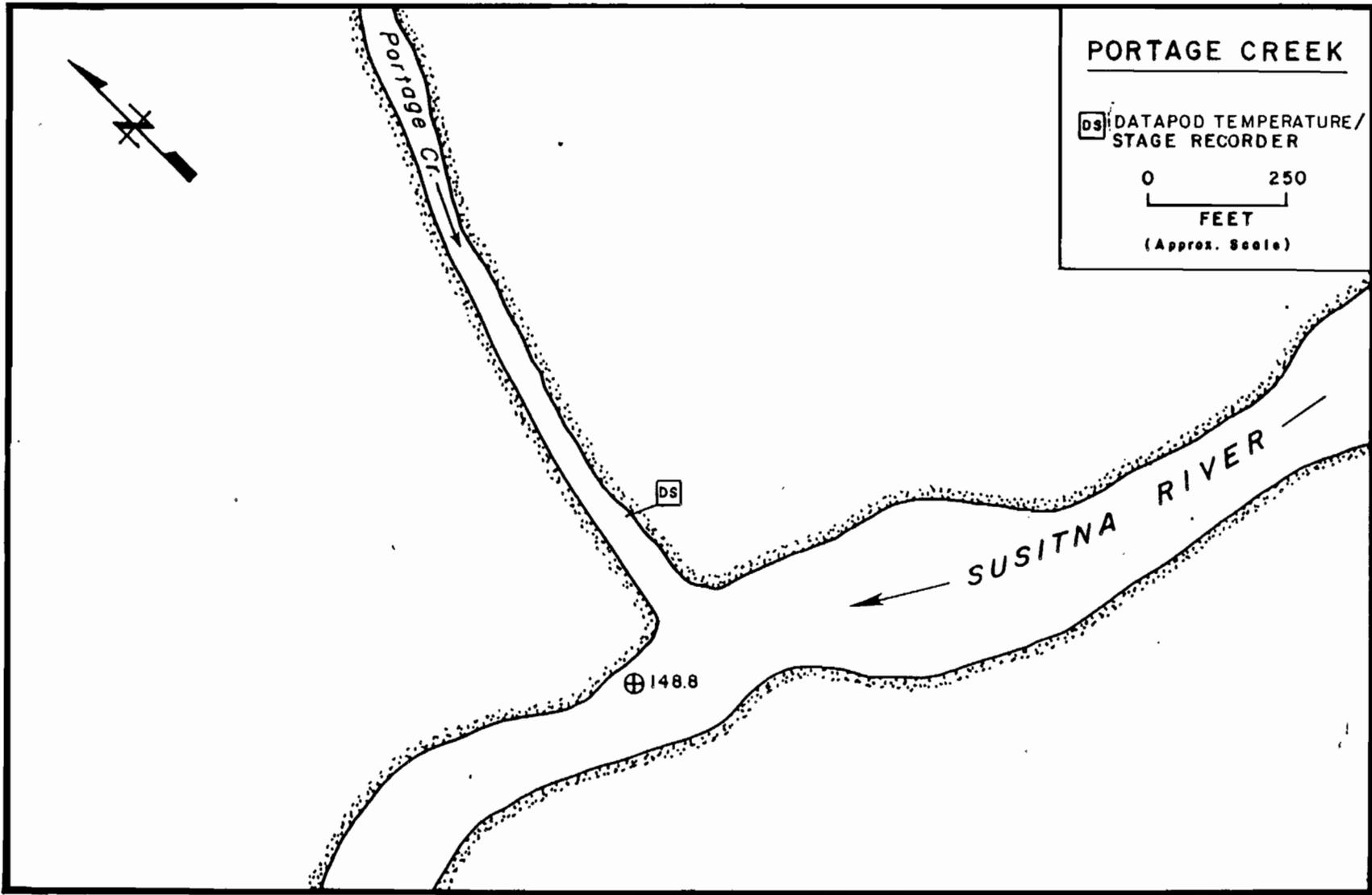


Figure 3-A-22. Location of the temperature monitoring station at Portage Creek (RM 148.8) GC S32N01W25CAB.

3-A-299

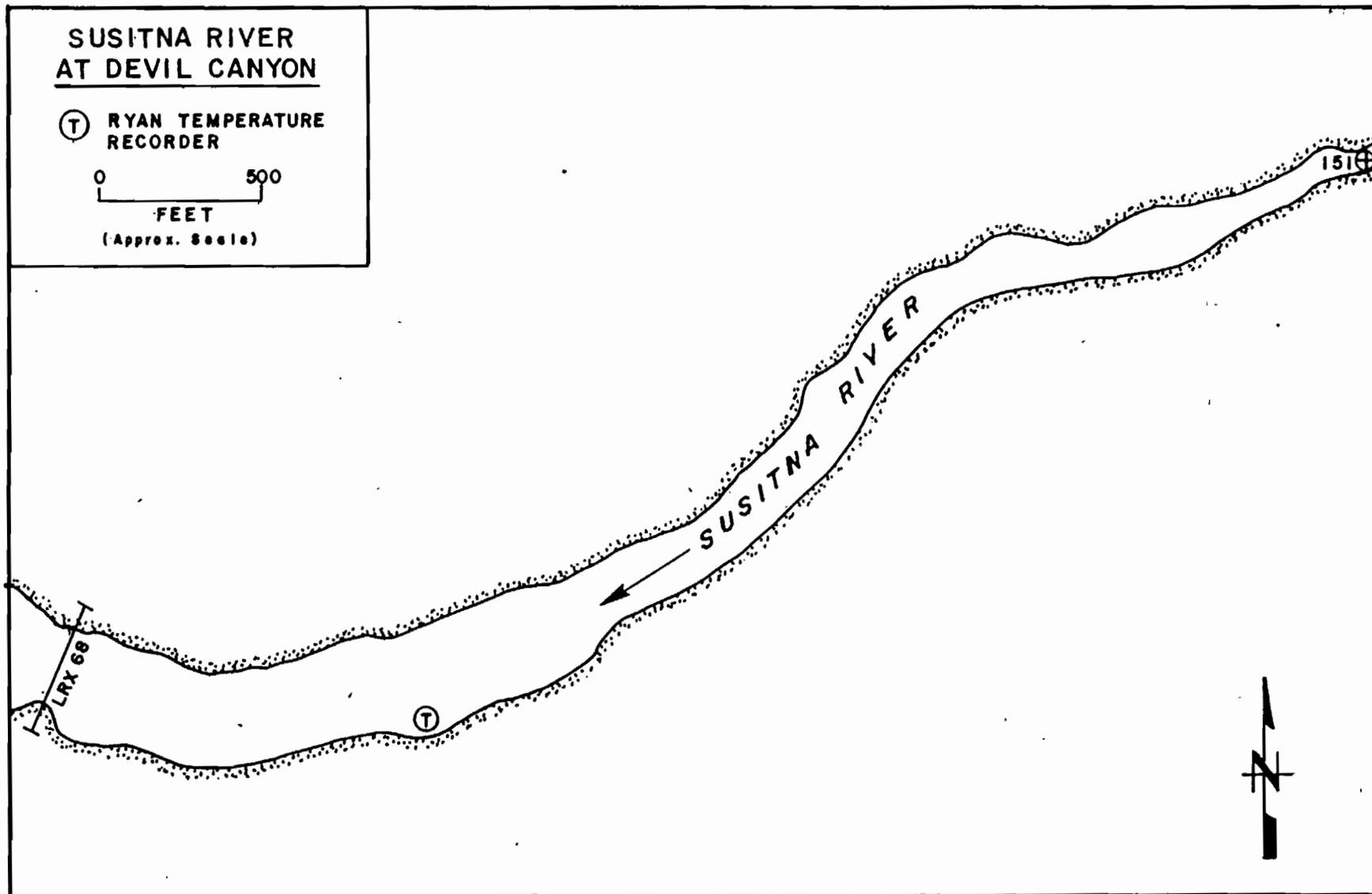


Figure 3-A-23. Location of the temperature monitoring station at Mainstem Susitna River at Devil Canyon (RM 150.0), GC S32N01E31CBD.

3-A-300

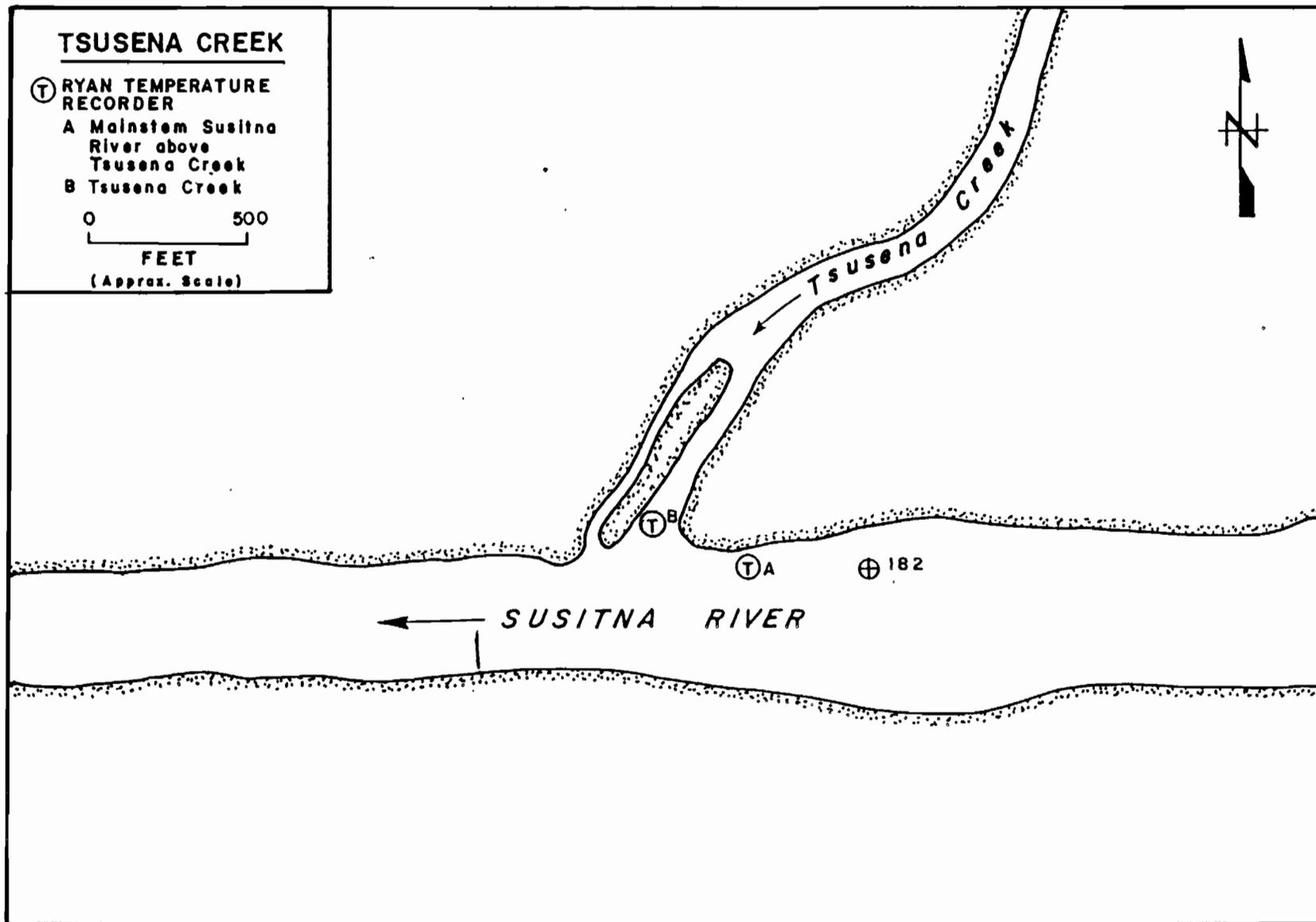


Figure 3-A-24. Locations of the temperature monitoring stations at Tsusena Creek (RM 181.8), GC S32N04E36ADB and at Mainstem Susitna River Above Tsusena (RM 181.9), GC S32N04E36ADA

3-A-301

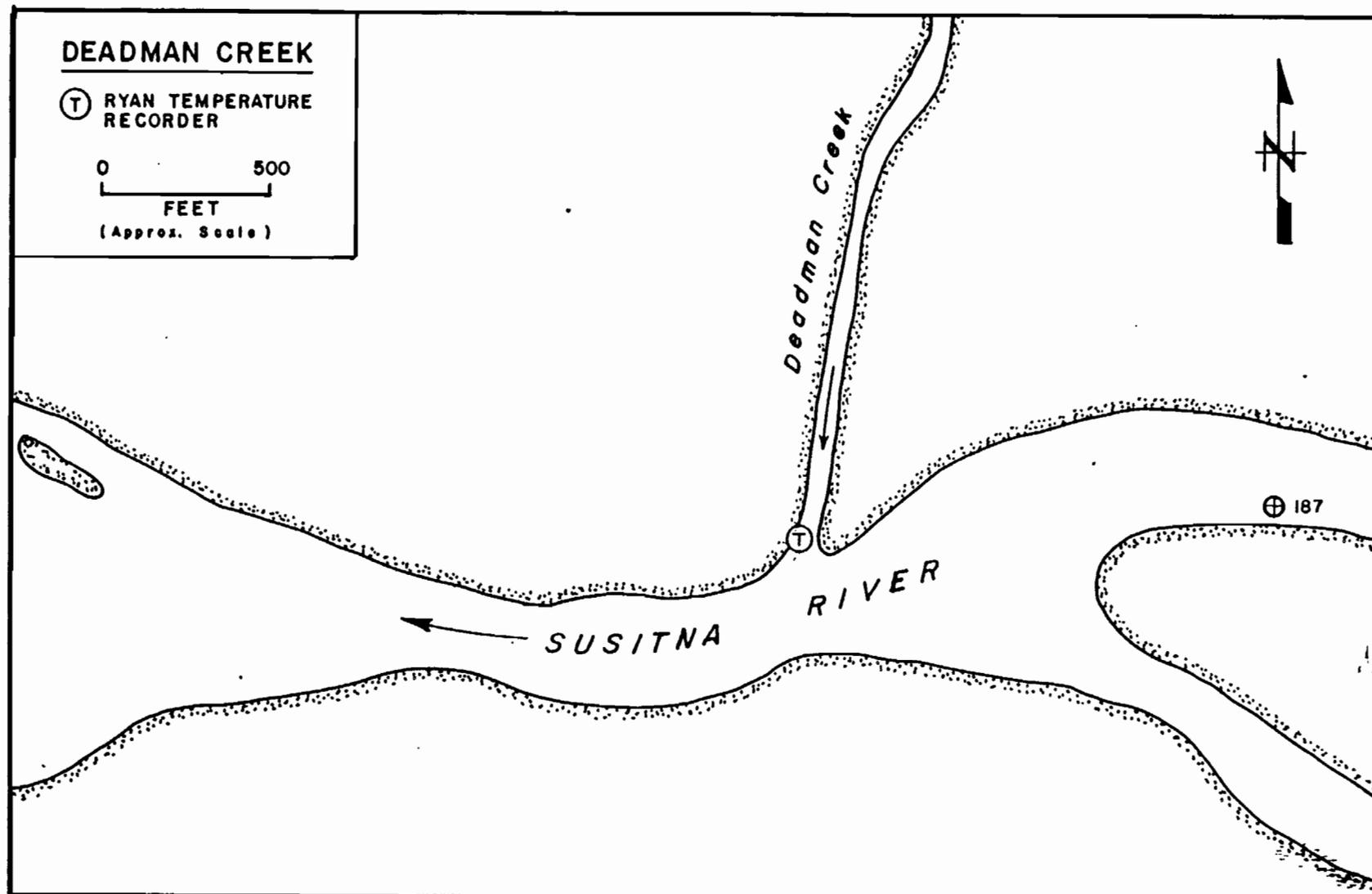


Figure 3-A-25. Location of the temperature monitoring station at Deadman Creek (RM 186.7), GC S32N05E26CDB.

3-A-30a

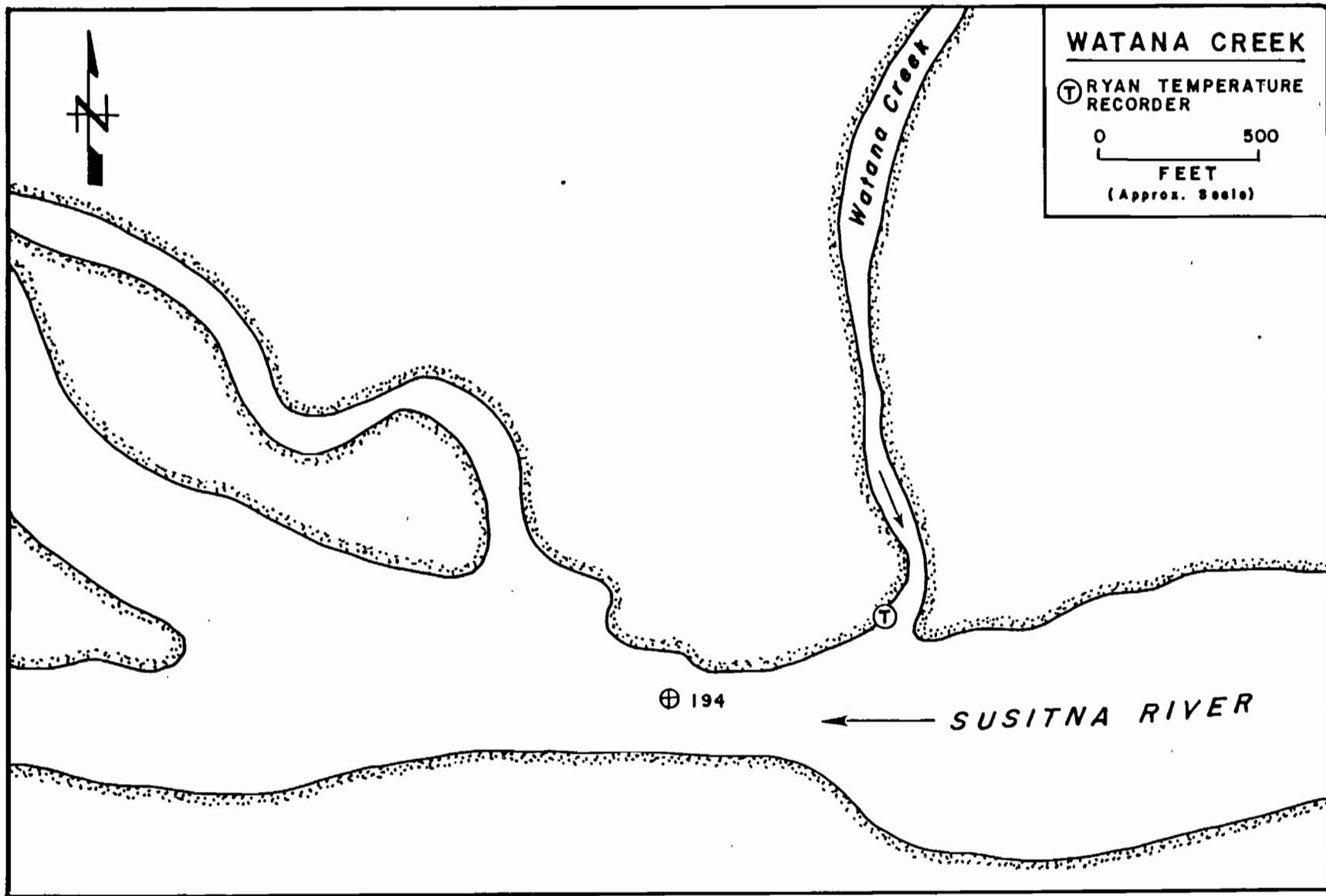


Figure 3-A-26. Location of the temperature monitoring station at Watana Creek (RM 194.1), GC S32N06E25CCA.

3-A-303

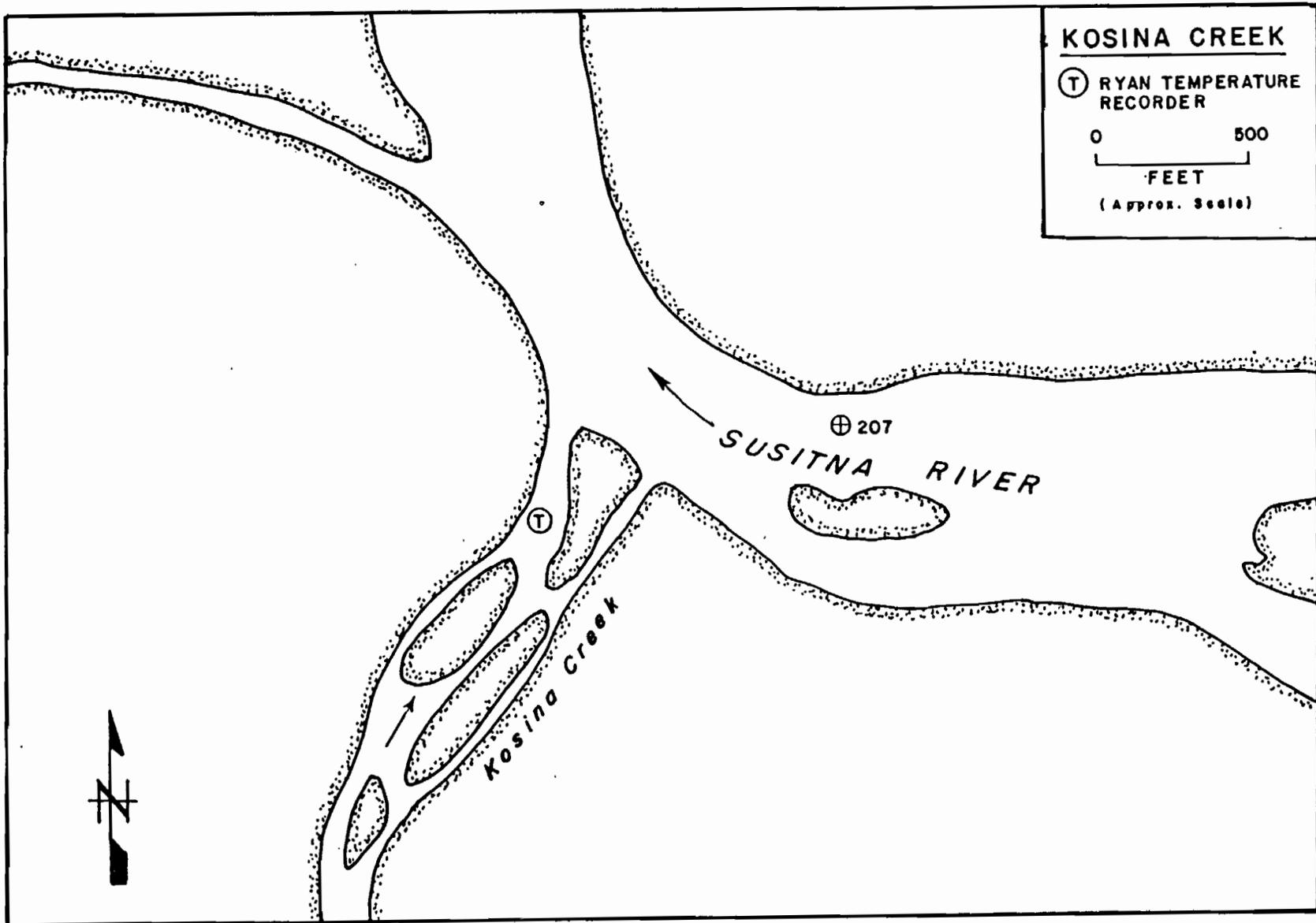


Figure 3-A-27. Location of the temperature monitoring station at Kosina Creek (RM 206.8), GC S31N08E15BAB.

3-A-304

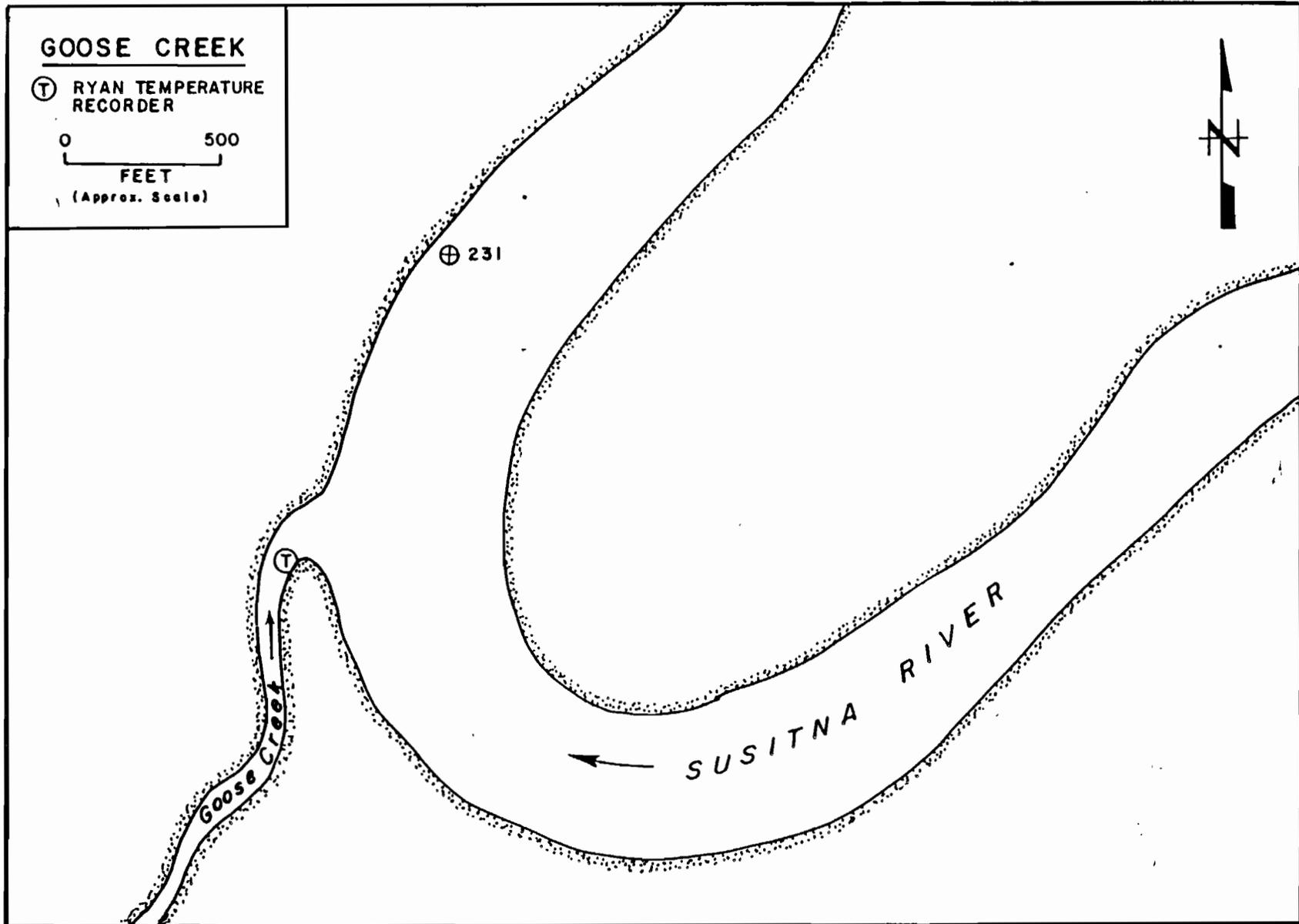


Figure 3-A-28. Location of the temperature monitoring station at Goose Creek (RM 231.3), GC S30N11E32DBC.

3-A-305

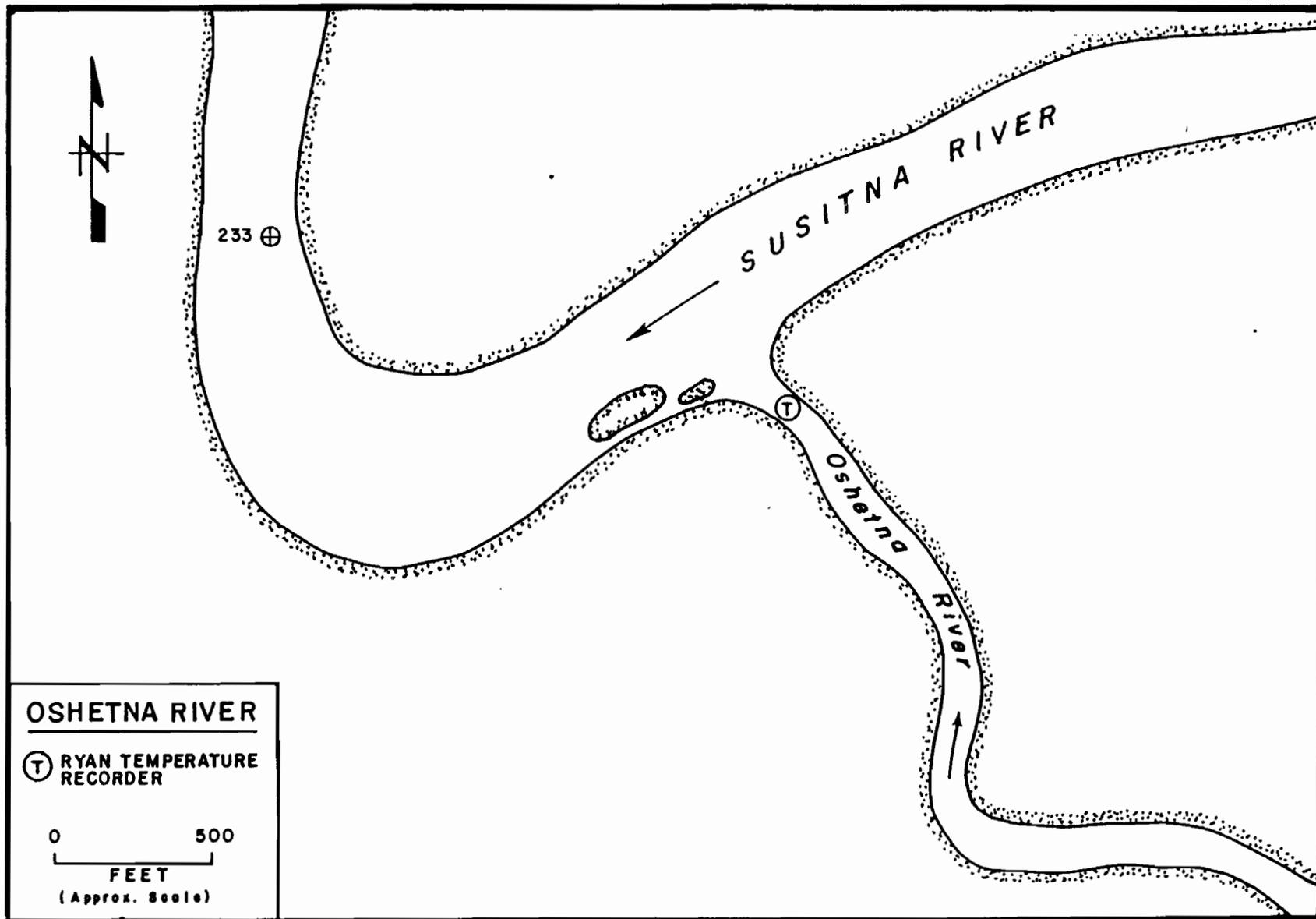


Figure 3-A-29. Location of the temperature monitoring station at Oshetna River (RM 233.4), GC S30N11E34CCD.

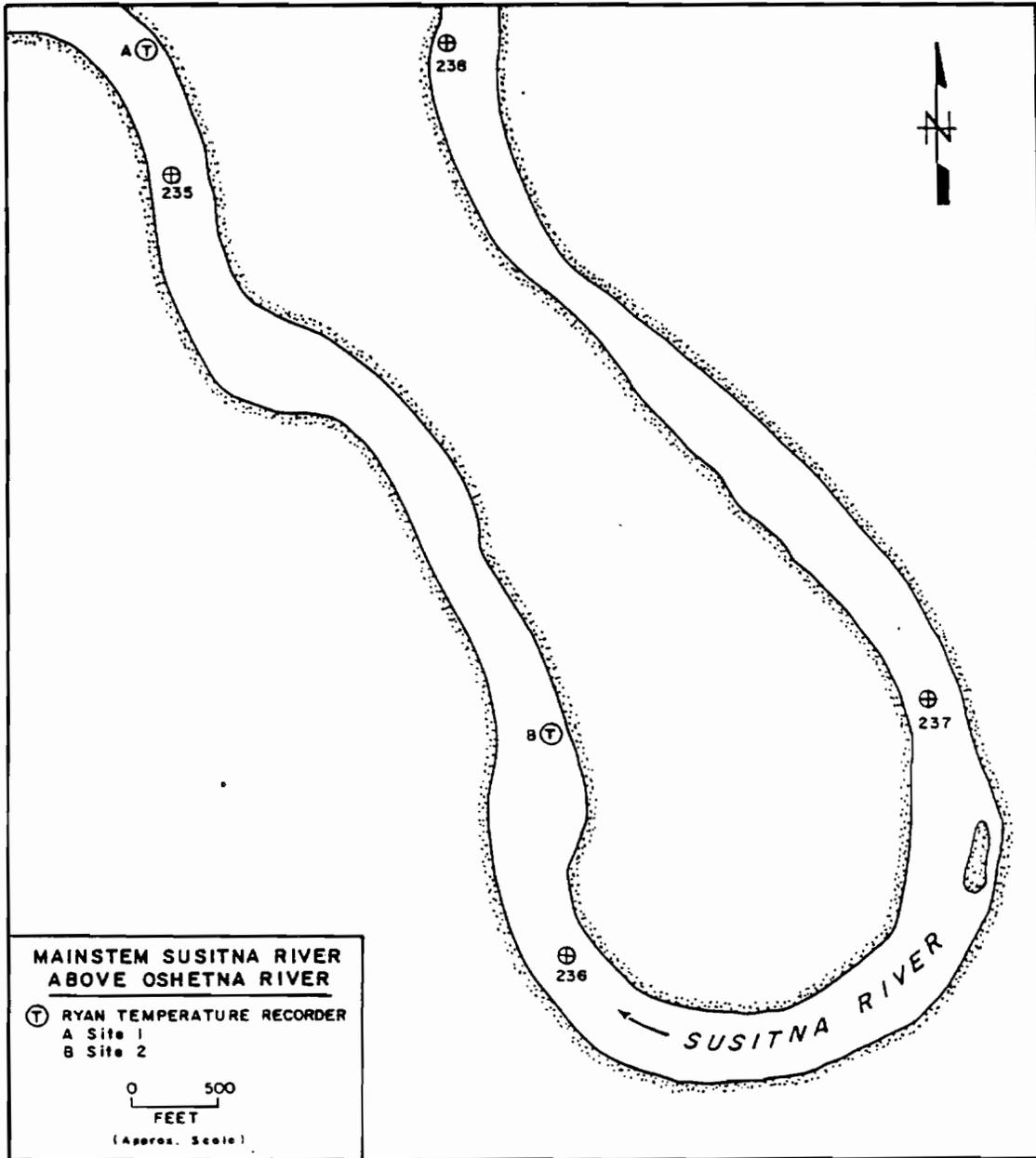


Figure 3-A-30. Locations of the temperature monitoring stations at Mainstem Susitna River Above Oshetna River Site 1 (RM 234.9), GC S30N11E35BCD, and Site 2 (RM 235.7), GC S29N11E02ABD.