- 1: ">>>>>>> QUAL2Kw version 6 input data <<<<<<<<000008"
- 3: 8,1,2021
- 4: -6,.000347,3.90625000001157E-03,30, "Repeating diel",30, "Euler", "Brent", "No", "No", "Lumped", "No", "All", "Option 1", "Yes", "No",4
- 5: 8, "Depth", "Flow fraction (unitless)", "Flow fraction (unitless)"

- 8: "","",7.9248,158.858,158.71,36,6,28.26,95,34,8.94,0,45.72,0,0,.0000042,.05,0,0,0,0,0,0,2,.2,0,0,0,0,0,0,3.82409177820268E-03,5.88321812031181E-03,10,0,.4,.6500000000001,0,0,0,0,0,0,1,0
- 9: "","",6.4008,158.71,158.463,36,5,49.83,95,33,31.9,0,45.72,0,0,.0000034,.05,0,0,3.6576,0,0,.2,.2,0,0,0,0,0,0,3.82409177820268E-03,5.88321812031181E-03,10,0,.4,.65000000000001,0,0,0,0,0,0,1,0
- 10: "","",4.8,158.463,158.203902887139,36,5,4.75,95,33,18.78,0,45.72,0,0,.0000025,.05,0,0,4.2672,0,0,.3,.2,0,0,0,0,0,0,3.82409177820268E-03,5.88321812031181E-03,10,0,.4,.650000000000001,0,0,0,0,0,1,0
- 11: "","",2.7432,158.203902887139,157.871,36,4,23.38,95,33,16.48,0,45.72,0,0,.0000019,.05,0,0,4.8768, 0,0,.3,.2,0,0,0,0,0,0,3.82409177820268E-03,5.88321812031181E-03,10,0,.4,.650000000000001,0,0,0,0,0,0,1,0
- 12: "","",1.2192,157.871,157.6230528,36,3,43.04,95,32,32.33,0,45.72,0,0,.0000016,.05,0,0,6.096,0,0,.4,.2,0,0,0,0,0,0,0,3.82409177820268E-03,5.88321812031181E-03,10,0,.4,.650000000000001,0,0,0,0,0,1,0
- 13: "","Newt Graham Lock and Dam","",.6096,157.6230528,151.2112,36,3,31.82,95,32,14.1,0,45.72,0,0,.00001,.05,0,0,9.144,0,0,.6,.2,0,0,0,0,4.683,54.864,3.82409177820268E-03,5.88321812031181E-03,10,0,.4,.65000000000001,0,0,0,0,0,0,1,0
- 14: "Newt Graham Lock and Dam","","",0,151.2112,151.205104,36,3,21.42,95,31,56.38,0,45.72,0,0,.00001,.05,0,0,3.6576,0,0,.1,.2,0,0,0,0,0,3.82409177820268E-03,5.88321812031181E-03,10,0,.4,.650000000000001,0,0,0,0,0,0,0,1,0

- 20: -999, -9

- 29: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999

- 32: -999, -999, 40, -999, -999
- 33: -999, -999, 40, -999, -999

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34: -999, -999, 40, -999, -999
35: -999, -999, 40, -999, -999
36: -999, -999, 40, -999, -999
37: -999, -999, 40, -999, -999
38: -999, -999, 40, -999, -999
39: -999, -999, 40, -999, -999
48: .47,.2,.0088,.054,.052,.174,.015
49: "Bras",2,.8,"Brunt",1.24,"Brady-Graves-Geyer",.65,2,"Eqn 1",.17,2,"No"
50: 8
51: "InolaPort Domestic",4.79,0,0,0,3.50501092592593E-02,0,0,32,0,.6666666666666667
52: 0,0,0
53: 22.5,0,0
54: 2,0,.666666666666667
55: 0,0,0
56: 66.125,0,.666666666666667
57: 3450,0,.666666666666667
58: 13800,0,.666666666666667
59: 0,0,0
60: 0,0,0
61: 0,0,0
62: 0,0,0
63: 22.5,0,0
64: 0,0,0
65: 0,0,0
66: 100,0,0
67: 7.94,0,.66666666666666
68: "Inola Domestic",4.79,0,0,0,1.75250546296296E-02,0,0,32,0,.666666666666666
69: 0,0,0
70: 22.5,0,0
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74: 3450,0,.66666666666667
75: 13800,0,.666666666666667
76: 0,0,0
77: 0,0,0
78: 0,0,0
79: 0,0,0
80: 22.5,0,0
81: 0,0,0
82: 0,0,0
83: 100,0,0
84: 7.94,0,.666666666666667
85: "Inola Domestic New",4.79,0,0,0,1.75250546296E-02,0,0,32,0,.666666666666666
86: 0,0,0
87: 22.5,0,0
88: 2,0,.66666666666667
89: 0,0,0
90: 66.125,0,.66666666666667
91: 3450,0,.666666666666667
92: 13800,0,.6666666666666
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94: 0,0,0
95: 0,0,0
96: 0,0,0
97: 22.5,0,0
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98: 0,0,0
 99: 0,0,0
100: 100,0,0
101: 7.94,0,.666666666666667
102: "InolaPort Industrial",4.79,0,0,0,.289163401388889,0,0,32,0,.66666666666666667
103: 0,0,0
104: 25,0,0
105: 2,0,0
106: 0,0,0
107: 140.185,0,.66666666666667
108: 0,0,.666666666666667
109: 5750,0,.66666666666667
110: 0,0,0
111: 0,0,0
112: 0,0,0
113: 0,0,0
114: 25,0,0
115: 0,0,0
116: 0,0,0
117: 100,0,0
118: 8,0,.666666666666667
119: "InolaPort Cooling", 4.79, 0, 0, 0, 0, 0, 0, 35, 0, .6666666666666667
120: 0,0,0
121: 20,0,0
122: 6,0,0
123: 0,0,0
124: 1.18,0,.66666666666667
125: 0,0,.66666666666667
126: 0,0,.66666666666667
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128: 0,0,0
129: 0,0,0
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131: 0,0,0
132: 0,0,0
133: 0,0,0
134: 100,0,0
135: 7.6,0,.666666666666667
136: "Sofidel Discharge",8.5344,0,0,0,.131437909722222,0,0,32,0,.6666666666666667
137: 0,0,0
138: 40,0,0
139: 2,0,0
140: 240,0,0
141: 0,0,.66666666666667
142: 0,0,.66666666666667
143: 10000,0,.66666666666666
144: 0,0,0
145: 0,0,0
146: 0,0,0
147: 0,0,0
148: 40,0,0
149: 0,0,0
150: 0,0,0
151: 100,0,0
152: 7.565,0,.666666666666667
153: "Other WLA",4.79,0,0,0,.3557,0,0,32,0,.6666666666666667
154: 0,0,0
155: 0,0,0
156: 0,0,0
157: 0,0,0
158: 140.185,0,.666666666666667
159: 0,0,.66666666666667
160: 0,0,.66666666666667
161: 0,0,0
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162: 0,0,0
163: 0,0,0
164: 0,0,0
165: 0,0,0
166: 0,0,0
167: 0,0,0
168: 100,0,0
169: 8,0,.66666666666667
170: "Cooling Withdrawal", 4.79, 0, 0, 0, 0, 0, 0, 32, 0, .666666666666667
171: 0,0,0
172: 0,0,0
173: 0,0,.66666666666667
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178: 0,0,0
179: 0,0,0
180: 0,0,0
181: 0,0,0
182: 0,0,0
183: 0,0,0
184: 0,0,0
185: 100,0,0
186: 7.94,0,.66666666666667
187: 0
188: 1.83412,54.1488,8.01092,.93161,100,.530195
189: 1.024,2.67,4.57,1.657908,.9803305
190: .6,.6,.6,.6,.6,.075,1.0611317,.035,1.0029386,.25,1.0621019,.2536275,1.0522809,1.209431
191: .5,1.0554078,1.95,1.0570983,.74014,1.0535325,.26,1.0648809,1.8414455,2,.2
192: 4,1.0466704,.063491,1.0681905,.15,1.0041692,13.08625,4.23204,.000048184123,80.1289
193: 27.66195,2.67,"Yes",1,1,"Zero-order",175,1.0650293,.1035704,.37308,1.004193,.1,1.0588014,.02,114.8
194: 1.0044233,209.592,26.14225,.00000752908,104.1438,28.65885,.408641,1.07,.26
195: 7.430688,3.87748,673.3685,71.234,1.206341,1.3537155,.31395,.54211
196: "Flow",.032831,.37152,2.3918,24.405,49.0375
197: .8,1.07,1,1,0,1.07,0,"No"
198: "Exponential", "Exponential", "Exponential", "Exponential", "Exponential", "Half saturation", "Half
          saturation"
199: "User model",4.08331094825795,.917130559877088,-1.63352092117235,"None"
200: "Minimum", "Minimum"
201: "Yes", "Yes"
202: "Zero-order",5,1.047,.5, "Exponential",.6,.2,1.07,.05,1.07,15,2,25,100
203: 1
204: .FALSE.
205: 9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.883,9.
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209: 6.278,6.278,6.278,6.278,6.278,6.278,6.278,6.278,6.278,6.278,6.278,6.278,6.278,6.278,6.278,6.278,6.278,
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211: 3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.375,3.
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- 222: 7.79,
- 223: 1,1,1,1,1,1,1,201793696585124,2.01758446068287E-02,2.01758446068288E-02,2.01758446068286E-02, 2.01758446068287E-02,2.01758446068286E-02, 2.01758446068286E-02,2.01758446068286E-02, 2.01758446068289E-02,2.01758446068286E-02,2.01758446068286E-02,3.27070951226306E-02,.535632699135298, 1,1,1,1,""
- 224: 1,1,1,1,1,1,1,201793696585124,2.01758446068287E-02,2.01758446068288E-02,2.01758446068286E-02, 2.01758446068287E-02,2.01758446068286E-02, 2.01758446068286E-02,2.01758446068286E-02, 2.01758446068289E-02,2.01758446068286E-02,3.27070951226306E-02,.535632699135298, 1,1,1,1,""
- 225: 1,1,1,1,1,1,1,1,1,1.121058522461585,2.01758446068287E-02,2.01758446068288E-02,2.01758446068286E-02, 2.01758446068287E-02,2.01758446068286E-02, 2.01758446068289E-02,2.01758446068285E-02,2.01758446068286E-02,2.01758446068289E-02,2.01758446068285E-02,2.01758446068286E-02,2.48307093937154E-02,.45940614732911, 1,1,1,""
- 226: 1,1,1,1,1,1,1,1,197386281433723,2.01758446068287E-02,2.01758446068288E-02,2.01758446068286E-02, 2.01758446068287E-02,2.01758446068286E-02, 2.01758446068287E-02,2.01758446068286E-02, 2.01758446068289E-02,2.01758446068286E-02,3.02603499129488E-02,.535632699135298, 1,1,1,1,""
- 227: 1,1,1,1,1,1,1,1,133237203883434,2.01758446068287E-02,2.01758446068288E-02,2.01758446068286E-02,
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18: 0.8991600000000000E+01 0.31995 19: 0.83820000000000E+01 0.31998 20: 0.716280000000000E+01 0.31958 21: 0.56004000000000E+01 0.31958 22: 0.377160000000000E+01 0.31955 23: 0.198120000000000E+01 0.31898 24: 0.91440000000000E+01 0.31898	Temp(C)
** Daily average water quality summary for main channel 28:	Part
#* Daily average water quality summary for main channel 41: Reach 42: number 43: 0 0.91440000000000000000000000000000000000	Strict S
S2: ** Daily minimum water quality summary for main channel S4: Reach Distance S5: number S6: 0 0.91440000000000000000000000000000000000	Second Conting Conti
67: Reach Distance 68: number Km 69: 0 0.9144000000000000E+01 70: 1 0.899160000000000E+01	Bett Surviver Bottom algae Bott

0.838200000000000E+01 0.3198056910644174E+02 0.3162327726109697E+02 0.3243305462764108E+02 0.7162800000000001E+01 0.3195841324141800E+02 0.3142802857002181E+02 0.3251529388568299E+02 0.560040000000000E+01 0.3193567143297054E+02 0.3142702484294650E+02 0.3240608723520091E+02 0.377160000000000E+01 0.3191510508921997E+02 0.3152481482876794E+02 0.3225692492629130E+02 0.198120000000000E+01 0.3189885786841442E+02 0.3155080098079649E+02 0.3220774642193153E+02 0.914400000000001E+00 0.3189249958239496E+02 0.3157815663735269E+02 0.3216939427245225E+02 0.304800000000000E+00 0.3188620164159889E+02 0.3152828488977854E+02 0.3222262648270038E+02

71.	2 0.838200000000000E+01	30 0.1444642659623605F+03 0.7659423149191373F+03 0.1184575146103271F+03 0.234225419144412F+02 0.2886333087837017F+02 0.2463908539003608F+01 0.2760435610824411F+01 0.1463569158681048F+02 0.3162327726109697F+02 0.3060000000000000000000000000000000000	
72.	3 0.7162800000000001E+01	30 0.14496413752468708F+03 0.74734736136F+03 0.2549442957468788F+03 0.254944295746878F+03 0.2549442957468787878787878787878787878787878787878	
73:	4 0.560040000000000E+01	30 0.1332117981649311F-03 0.7062822932805565F-03 0.12057055535497929F-03 0.2274079415116946F-02 0.294286116491482ZF-02 0.3427027484294559F-12 0.3427027484294559F-12 0.342702748429459F-02 0.294286116491482ZF-03 0.2274079415116946F-02 0.294286116491482ZF-03 0.2274079415116946F-02 0.294286116491482ZF-03 0.2274079415116946F-02 0.294286116491482ZF-03 0.29428611649142ZF-03 0.29428742ZF-03 0.29428742ZF-03 0.29428742ZF-03 0.29428ZF-03	
73.	5 0.3771600000000000E+01	30 0.1529729100255702E+03 0.6412932303100717E+03 0.1232910898961062E+03 0.2325391410633940E+02 0.294112485818120E+02 0.554725115166583877E+01 0.312927195074593E+02 0.30000000000000000000000000000000000	
75:	6 0.1981200000000000E+01	30 0.1185742014783763E+03 0.628674487528772E+03 0.2334766749966865E+02 0.2934766749966865E+02 0.394264799888E+01 0.394246479988898FE+02 0.39426674998689678E+01 0.3942464798898FE+02 0.29609000000000000000000000000000000000	
76:	7 0.914400000000001E+00	30 0.1054002992690135F-03 0.5588271167093462F-03 0.2338947033851955F-02 0.297706468554540F-02 0.561503735269F-10 0.5615037269F-10 0.5615037269F-10 0.5615037269F-10 0	
77:	8 0.304800000000000E+00	30 0.1512912652237911E+03 0.802138405536792E+03 0.2332868616335629E+02 0.569510927E+02 0.2977396127983805E+02 0.569510927E+02 0.315282848897785E+02 0.0000000000000000000000000000000000	
78:	0.3040000000000000000000000000000000000	3.0 0.131231203123311.10 0.10213040333121.10 0.123123031012 0.123123031012 0.123123031012 0.123123031012 0.123123031012 0.1231231231012 0.12312312 0.1231231012 0.1231231012 0.1231231012 0.1231231012 0.1231231231012 0.12312312 0.1231201	
70: ** Daily maximum water quality summary for main channel (part 1 of 2) **			
80:	Reach Distance	Date Water temperature Conductivity Total Suspended Solids Total CBOD Organic N Total CBOD Organic O CO2(aq) HCO3- CO3 PH CO2 saturation Un-ioninozed NH3 Dissolved Inorganic C CO3 Detritus Pathogen CO3 Detritus Pathogen CO3 Detritus Potal CBOD Organic O CO3 Phytoplankton Detritus Potal CBOD Organic O CO3	
81:	number Km	deg C umhos/cm @ 25C mgD/L wgV/L wgV	
82:	0 0.914400000000000E+01	30 $0.3200000000000000000000000000000000000$	
83:	1 0.8991600000000000E+01	30 0.3220065303045425 0.32200653030454 0.32200653030454 0.322006530304 0.3220	
84:	2 0.838200000000000E+01	30 $0.3254286135530869E+02$ $0.3254286135530869E+02$ $0.3276425526403830E+03$ $0.487983706459887237563E+03$ $0.4879837064599877E+03$ $0.487983706459887237563E+03$ $0.487983706459887237563E+03$ $0.487983706459887237563E+03$ $0.487983706459887237563E+03$ $0.487983706459887237563E+03$ $0.487983706459887237563E+03$ $0.4879837064598877E+03$ $0.487983706459877E+03$ $0.4879837064598877E+03$ $0.487983706459877E+03$ $0.4879837064598877E+03$ $0.487983706459877E+03$ $0.4879837064598787E+03$ $0.4879837064598787E+03$ 0.487983706459878	
85:	3 0.716280000000001E+01	30 $0.3264505865157028E+02$ $0.3264505865157028E+02$ $0.3276425526403852E+03$ $0.727625526403852E+03$ $0.727625326493852E+03$ $0.727625326493852E+03$ $0.727625326493852E+03$ $0.727625326493852E+03$ $0.727625326493852E+03$ $0.727628526403852E+03$ $0.727628526403852E+0$	
86:	4 0.5600400000000000E+01	30 $0.3251771593105186E+02$ $0.3251771593105186E+02$ $0.3276425526403875E+03$ $0.527627331870476951256E+03$ $0.5276374531463890E+03$ $0.5276374531463890E+03$ $0.5276374531463890E+03$ $0.5276874531463890E+03$ 0.5276874	
87:	5 0.3771600000000000E+01	30 $0.3234073182189558E+02$ $0.3234073182189558E+02$ $0.3058097873342746E+03$ $0.512232593661451E+03$ $0.505632530602583E+01$ $0.505632530602583E+01$ $0.5080972578331547E+03$ 0.508097257833154	
88:	6 0.1981200000000000E+01	30 $0.3228412698296898E+02$ $0.3228412698296898E+02$ $0.3288412698296898E+02$ $0.3288412698296898E+02$ $0.3288412698296898E+02$ $0.3288412698296898E+02$ $0.3288412698296898E+02$ $0.3288412698296898E+02$ $0.3288412698296898E+02$ $0.3288412698296898E+02$ $0.3288412698296898E+02$ $0.3288990483988683E+02$ $0.3288990483988683E+02$ $0.3288990483988683E+02$ $0.328899048398863E+02$ $0.328899048398863E+02$ $0.328899048398863E+02$ $0.328899048398863E+02$ $0.32889904839863E+02$ $0.32889904839863E+02$ $0.32889904839863E+02$ $0.32889904839863E+02$ $0.328899048398683E+02$ $0.328899048398683E+02$ $0.32889904839863E+02$ $0.3289904839863E+02$ 0.3289904839863 0.3289904839863 0.3289904839863 0.3289904839863 0.3289904839863 0.3289904839863 0.3289904839863 0.3289904839863 0.3289904839863 0.3289904839863 0.328990483986 0.328990483986 0.328990483986 0.328990483986 0.328990483986 0.328990483986 0.328990483986 0.328990483986 0.32899048398 0.32899048398 0.32899048398 0.32899048	
89:	7 0.914400000000001E+00	30 $0.3223659763000934E+02$ $0.3223659763000934E+02$ $0.3223659763000934E+02$ $0.3223659763000934E+02$ $0.3232365976300934E+02$ $0.3232365976300934E+02$ $0.3232365976300934E+02$ $0.3232365976300934E+02$ $0.32323816463102366E+02$ $0.32323816463102366E+02$ $0.45762106917526932467E+03$ $0.6845898976584765E+03$ $0.684589897658476584765867698$ $0.68458989765847658476586798$ 0.6845898976584765847658 0.6845898976584765847658 0.6845898976584765847658 0.6845898976584765847658 0.6845898976584765847658 0.6845898976584765847658 0.6845898976584765847658 0.6845898976584765847658 0.68458989765847658 0.68458989765847658 0.68458989765847658 0.68458989765847658 0.68458989765847658 0.68458989765847658 0.68458989765847658 0.68458989765847658 0.6845898976584765 0.684589897658 0.684589897658 0.684589897658 0.684589897658 0.684589897658 0.684589897658 0.684589897658 0.684589897658 0.684589897658 0.684589897658 0.684589897658 0.684589897658 0.684589897658 0.684589897658 0.6845899786 0.6845899786 0.6845899786 0.6845899786 0.6845899786 0.6845899786 0.684589978 0.6845899	
90:	8 0.3048000000000000E+00	30 $0.3230622682917301E+02$ $0.3230622682917301E+02$ $0.3230622682917301E+02$ $0.3058097873342785E+03$ $0.6771221998686650E+01$ $0.794485531683187037060E+01$ $0.794485531683187037060E+01$ $0.79495530692482372E+01$ $0.79495530692482372E+01$ $0.79495530692482372E+01$ $0.79495530692482372E+01$ $0.79495530692482372E+01$ $0.79495530692482372E+01$ $0.79495530692482372E+01$ $0.7949553069315E+02$ $0.79495530692482372E+01$ 0.7949553069	
91:			
92: ** Daily maximum	water quality summary for main channel ((part 2 of 2) **	
93:	Reach Distance	Date Bottom algae Bottom algae Botalg Int N Botalg Int N Botalg Int P Botalg Int P Phytoplankton Sediment temperature Hyporheic biofilm	
94:	number Km	${\sf gD/m^2}$ ${\sf mgA/m^2}$ ${\sf mgN/gD}$ ${\sf mgP/mgA}$ ${\sf gD/m^2}$ ${\sf degC}$ ${\sf gD/m^2}$	
95:	0 0.914400000000000E+01	30 0.1673211150664325E+03 0.8871281860264716E+03 0.1274623507645987E+03 0.2404065499761385E+02 0.3187809931806097E+02 0.6012523565492125E+01 0.1528153054263653E+02 0.000000000000000E+00 0.000000000000000	
96:	1 0.8991600000000000E+01	30 0.1673211150664325E+03 0.8871281860264716E+03 0.1274623507645987E+03 0.2404065499761385E+02 0.3187809931806097E+02 0.6012523565492125E+01 0.3300624755636311E+01 0.1749974742314593E+02 0.3215818254280077E+02 0.0000000000000000000000000000000000	
97:	2 0.838200000000000E+01	30 0.1601844351470942E+03 0.8492898659281362E+03 0.1314434293574618E+03 0.2479152563820139E+02 0.3202059452077133E+02 0.6039399564456726E+01 0.4351416906260837E+01 0.2307099486614964E+02 0.3202059452077133E+02 0.6009000000000000000000000000000000000	
98:	3 0.716280000000001E+01	30 0.1562467170166728E+03 0.8284122812865483E+03 0.1324755609119262E+03 0.2498619581699680E+02 0.3229224485743214E+02 0.6090635494003554E+01 0.5973981053642417E+01 0.3167374884735941E+02 0.3251529388568299E+02 0.325152988568299E+02 0.325152988568299E+02 0.325152988568299E+02 0.325152988568299E+02 0.325152989E+02 0.325152988568299E+02 0.3251529898568299E+02 0.325152988568299E+02 0.3251529898568299E+02 0.3251529	
99:	4 0.560040000000000E+01	30 0.1478084684970350E+03 0.7836731095478546E+03 0.1336531855265311E+03 0.2520830742020033E+02 0.3261367454615862E+02 0.6151260299730972E+01 0.7643175176163254E+01 0.4052373262525875E+02 0.3240608723520091E+02 0.0000000000000000000000000000000000	
100:	5 0.377160000000000E+01	30 0.1341459546420395E+03 0.7112351442143612E+03 0.1365458780959370E+03 0.2575389773497242E+02 0.3256598502793639E+02 0.614226558660403E+01 0.5025355866573210E+02 0.3225692492629130E+02 0.322569249269130E+02 0.3225692492629130E+02 0.3225692492629130E+02 0.3225692492629130E+02 0.3225692492629130E+02 0.3225692492629130E+02 0.3225692492629130E+02 0.3225692492629130E+02 0.3225692492629130E+02 0.322569249269130E+02 0.322569249269130E+02 0.322569249269130E+02 0.322569249269140E+02 0.3225692492	
101:	6 0.198120000000000E+01	30 0.1312433376577920E+03 0.6958456140947301E+03 0.1368648071359204E+03 0.2581405089371277E+02 0.322674642193153E+02 0.6101751564363117E+02 0.3220774642193153E+02 0.0000000000000000000000000000000000	
102:	7 0.914400000000001E+00	30 0.1166078950532739E+03 0.6182492291777058E+03 0.1370277545652815E+03 0.2584478438410048E+02 0.3288343058178963E+02 0.6202138945442645E+01 0.1463629775332757E+02 0.3216939427245225E+02 0.0000000000000000000000000000000000	
103:	8 0.3048000000000000E+00	30 0.1676975754274778E+03 0.8891241600377160E+03 0.1370661005438537E+03 0.2585201681340898E+02 0.3291911222903272E+02 0.6208868855615901E+01 0.7191041348271718E+01 0.3812654167646923E+02 0.3221262648270038E+02 0.3221262648270038E	
104:			
105: ** Sediment flux	es (reach-average daily-average) **		
106: Reach 107: Label	Distance x(km)	DiagFluxDO DiagFluxCBOD DiagFluxNH4 DiagFluxSRP DiagFluxNO3 HypoFluxDO HypoFluxDO HypoFluxNO3 TotFluxNO3 STSFluxNO3 TotFluxNO3 STSFluxNO3 STSFluxNO3 STSFluxNO3 STSFluxNO3 STSFluxNO3 TotFluxNO3 STSFluxNO3 STSFl	
107. Label	` '	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
100.		$\frac{1}{10000000000000000000000000000000000$	
109.		-1/3 $-1/3$	
110.		1.725340971875699E+00 0.00000000000000E+00 0.000000000000	
111.		$\frac{1}{2} - \frac{1}{2} - \frac{1}$	
112.		0.156357852347F40	
114.		1.0.0000000000000000000000000000000000	
115.		$\frac{1}{2} \frac{1}{2} \frac{1}$	
116:	0.3040000000000000000000000000000000000	0.20025127515050471002471 0.00000000000000000000000000000000000	
10. 11: ** Temperature summary (hyporheic pore water temperature) **			
118: Reach	Distance	Temp(C) Temp(C) Temp(C)	
119: Label	x(km)	Average Minimum Maximum	
120: Headwater	` ,	990000000000E+00 0.0000000000000000000E+00 0.0000000000	
121:	0.8991600000000000E+01 0.319950	502197387588E+02	

- 1: ">>>>>>> QUAL2Kw version 6 input data <<<<<<<<000008"
- 3: 11,1,2021
- 4: -6,.000347,3.90625000001157E-03,30, "Repeating diel",30, "Euler", "Brent", "No", "No", "Lumped", "No", "All", "Option 1", "Yes", "No",4
- 5: 8, "Depth", "Flow fraction (unitless)", "Flow fraction (unitless)"

- 8: "","",7.9248,158.858,158.71,36,6,28.26,95,34,8.94,0,45.72,0,0,.0000042,.05,0,0,0,0,0,0,2,.2,0,0,0,0,0,0,3.82409177820268E-03,5.88321812031181E-03,10,0,.4,.6500000000001,0,0,0,0,0,0,1,0
- 9: "","",6.4008,158.71,158.463,36,5,49.83,95,33,31.9,0,45.72,0,0,.0000034,.05,0,0,3.6576,0,0,.2,.2,0,0,0,0,0,0,3.82409177820268E-03,5.88321812031181E-03,10,0,.4,.65000000000001,0,0,0,0,0,0,1,0
- 11: "","",2.7432,158.203902887139,157.871,36,4,23.38,95,33,16.48,0,45.72,0,0,.0000019,.05,0,0,4.8768, 0,0,.3,.2,0,0,0,0,0,0,3.82409177820268E-03,5.88321812031181E-03,10,0,.4,.650000000000001,0,0,0,0,0,0,1,0
- 12: "","",",1.2192,157.871,157.6230528,36,3,43.04,95,32,32.33,0,45.72,0,0,.0000016,.05,0,0,6.096,0,0,.4,.2,0,0,0,0,0,0,0,3.82409177820268E-03,5.88321812031181E-03,10,0,.4,.650000000000001,0,0,0,0,0,0,1,0
- 13: "","Newt Graham Lock and Dam","",.6096,157.6230528,151.2112,36,3,31.82,95,32,14.1,0,45.72,0,0,.00001,.05,0,0,9.144,0,0,.6,.2,0,0,0,0,4.683,54.864,3.82409177820268E-03,5.88321812031181E-03,10,0,.4,.65000000000001,0,0,0,0,0,0,1,0
- 14: "Newt Graham Lock and Dam","","",0,151.2112,151.205104,36,3,21.42,95,31,56.38,0,45.72,0,0,.00001,.05,0,0,3.6576,0,0,.1,.2,0,0,0,0,0,3.82409177820268E-03,5.88321812031181E-03,10,0,.4,.650000000000001,0,0,0,0,0,0,0,1,0

- 20: -999, -9

- 25: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999

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- 33: -999, -999, 40, -999, -999

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48: .47,.2,.0088,.054,.052,.174,.015
49: "Bras",2,.8,"Brunt",1.24,"Brady-Graves-Geyer",.65,2,"Eqn 1",.17,2,"No"
50: 8
51: "InolaPort Domestic",4.79,0,0,0,3.50501092592593E-02,0,0,18,0,.6666666666666667
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53: 22.5,0,0
54: 2,0,.666666666666667
55: 0,0,0
56: 66.125,0,.666666666666667
57: 3450,0,.666666666666667
58: 13800,0,.666666666666667
59: 0,0,0
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62: 0,0,0
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69: 0,0,0
70: 22.5,0,0
71: 2,0,.66666666666667
72: 0,0,0
73: 66.125,0,.66666666666667
74: 3450,0,.66666666666667
75: 13800,0,.666666666666667
76: 0,0,0
77: 0,0,0
78: 0,0,0
79: 0,0,0
80: 22.5,0,0
81: 0,0,0
82: 0,0,0
83: 100,0,0
84: 7.94,0,.666666666666667
85: "Inola Domestic New",4.79,0,0,0,1.75250546296E-02,0,0,18,0,.666666666666666
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87: 22.5,0,0
88: 2,0,.66666666666667
89: 0,0,0
90: 66.125,0,.66666666666667
91: 3450,0,.666666666666667
92: 13800,0,.6666666666666
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95: 0,0,0
96: 0,0,0
97: 22.5,0,0
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106: 0,0,0
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109: 5750,0,.66666666666667
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117: 100,0,0
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126: 0,0,.66666666666667
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130: 0,0,0
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132: 0,0,0
133: 0,0,0
134: 100,0,0
135: 7.6,0,.666666666666667
136: "Sofidel Discharge", 8.5344, 0, 0, 0, .131437909722222, 0, 0, 18, 0, .6666666666666667
137: 0,0,0
138: 40,0,0
139: 2,0,0
140: 240,0,0
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146: 0,0,0
147: 0,0,0
148: 40,0,0
149: 0,0,0
150: 0,0,0
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155: 0,0,0
156: 0,0,0
157: 0,0,0
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189: 1.024,2.67,4.57,1.657908,.9803305
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191: .5,1.0554078,1.95,1.0570983,.74014,1.0535325,.26,1.0648809,1.8414455,2,.2
192: 4,1.0466704,.063491,1.0681905,.15,1.0041692,13.08625,4.23204,.000048184123,80.1289
193: 27.66195,2.67,"Yes",1,1,"Zero-order",175,1.0650293,.1035704,.37308,1.004193,.1,1.0588014,.02,114.8
194: 1.0044233,209.592,26.14225,.00000752908,104.1438,28.65885,.408641,1.07,.26
195: 7.430688,3.87748,673.3685,71.234,1.206341,1.3537155,.31395,.54211
196: "Flow",.032831,.37152,2.3918,24.405,49.0375
197: .8,1.07,1,1,0,1.07,0,"No"
198: "Exponential", "Exponential", "Exponential", "Exponential", "Exponential", "Half saturation", "Half
             saturation"
199: "User model",4.08331094825795,.917130559877088,-1.63352092117235,"None"
200: "Minimum", "Minimum"
201: "Yes", "Yes"
202: "Zero-order",5,1.047,.5, "Exponential",.6,.2,1.07,.05,1.07,15,2,25,100
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6063: ,,,,,,,,,
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5: 0.883920000000000E+01 0.3301265619095805E+05 0.75609995 6: 0.79248000000000E+01 0.1015711368767840E+06 0.76924375 7: 0.6400800000000000E+01 0.1808361258534640E+06 0.76924375 8: 0.48000000000000E+01 0.2091612334899553E+06 0.76924375 9: 0.2743200000000000E+01 0.3068959133947999E+06 0.82800015 10: 0.1219200000000000E+01 0.2400942069282759E+06 0.82800015 11: 0.6096000000000000E+00 0.1364825052593533E+06 0.82800015	Size
18: 0.899160000000000E+01 0.17983788 19: 0.838200000000000E+01 0.17937394 20: 0.71628000000000000E+01 0.1786292 21: 0.56004000000000E+01 0.17788018 22: 0.3771600000000000E+01 0.1777628 23: 0.198120000000000E+01 0.1763293	Temp(C)
27: ** Daily average water quality summary for main channel (pz 28: Reach Distance 29: number Km 30: 0 0.91440000000000000000000000000000000000	Second Continue
#* Daily average water quality summary for main channel (pa ## Daily average water quality summary for main channel (pa ## Daily average water quality summary for main channel (pa ## Distance ## Mail	Botton algase Botton
52: ** Daily minimum water quality summary for main channel (pa 53: ** Daily minimum water quality summary for main channel (pa 54: Reach Distance 55: number 56: 0 0.9144000000000000E+01 57: 1 0.8991600000000000E+01 58: 2 0.8382000000000000E+01 59: 3 0.7162800000000000E+01 60: 4 0.560040000000000E+01 61: 5 0.3771600000000000E+01 62: 6 0.1981200000000000E+01 63: 7 0.914400000000000E+01 64: 8 0.3048000000000000E+00	Second Conting Conti
65: 66: ** Daily minimum water quality summary for main channel (pa 67: Reach Distance 68: number Km 69: 0 0.914400000000000E+01 70: 1 0.899160000000000E+01	Bottom algae Bottom algae Botalg Int N Botalg Int N Botalg Int P Phytoplankton Phytopl

0.899160000000000E+01 0.1798378812535524E+02 0.1792068663863585E+02 0.1808162637730144E+02 0.838200000000000E+01 0.1793739485799115E+02 0.1773936771437042E+02 0.1818321045671752E+02 0.7162800000000001E+01 0.1786292661652034E+02 0.1758499979598448E+02 0.1813323565804532E+02 0.560040000000000E+01 0.1778801840767879E+02 0.1752784884840331E+02 0.1800675435058611E+02 0.377160000000000E+01 0.1771762886833217E+02 0.1751615065174397E+02 0.1787819367734695E+02 0.198120000000000E+01 0.1765685334895446E+02 0.1747353089733326E+02 0.1780540041722526E+02

71:	2 0.838200000000000E+01	30 0.4328094101198096E	0.2294733851984725E+03 0.1609028318299997E	+03 0.3034785915182145E+02 0.389	0981166448576E+02 0.73387737840767	758E+01 0.4098577914640651E+01 0.2	73045517452899E+02 0.1773936771437042E+	0.00000000000000000E+00																		
72:	3 0.716280000000001E+01	30 0.4203008721867320E	0.2228414209290443E+03 0.1615223991371583E	E+03 0.3046471564936642E+02 0.389	7784069648867E+02 0.73516047296727	95E+01 0.4150126066123824E+01 0.2	00376089628520E+02 0.1758499979598448E+	0.0000000000000000E+00																		
73:	4 0.560040000000000E+01	30 0.3988134379677215E	0.2114488907432961E+03	E+03 0.3059316908303091E+02 0.390	6023757542826E+02 0.73671455927400	0.4537457301909337E+01 0.2	05737174185820E+02 0.1752784884840331E+	0.0000000000000000E+00																		
74:	5 0.377160000000000E+01	30 0.3453418246028443E	0.1830985086953050E+03 0.1638216210101126E	E+03 0.3089837154445301E+02 0.38	5286142650074E+02 0.73091714230614	467E+01 0.4846918002833429E+01 0.2	69811690512270E+02 0.1751615065174397E+	0.0000000000000000E+00																		
75:	6 0.198120000000000E+01	30 0.3432654553738800E	0.1819976281119543E+03 0.1642020863999405E	E+03 0.3097013106497431E+02 0.38	2702430304042E+02 0.73231592721622	0.5094199881011765E+01 0.2	00919305913033E+02	0.0000000000000000E+00																		
76:	7 0.914400000000001E+00	30 0.2663729576620959E	0.1412296102876550E+03 0.1653260898782557E	E+03 0.3118212919364682E+02 0.39	2289159506879E+02 0.73789627580548	827E+01 0.7227613154293869E+01 0.3	32044356340838E+02 0.1747929323633694E+	0.0000000000000000E+00																		
77:	8 0.304800000000000E+00	30 0.4850646257405813E	02 0.2571788392445275E+03 0.1633510562244111E	+03 0.3080961839029247E+02 0.38	2314593562024E+02 0.72847058036421	.02E+01 0.2839208997648193E+01 0.1	05334414508084E+02	0.00000000000000000E+00																		
/8: 79· ** Daily mayimum	n water quality summary for main channel	1 (part 1 of 2) **																								
80:	Reach Distance	Date Water temperat	re Conductivity	ISS Dissolved Oygen	Slow CBOD Fas	st CBOD Organic N	NH4-N NO3+NO2	-N Organic P	Inorganic P Phyto	oplankton Detri	itus Pathogen	Generic	Alkalinity Total Inorg	ic C CO2(aq)	HCO3-	CO3	pH CO2 satura	tion DO saturatio	n Un-ioninozed NH3 Diss	lved Inorganic N To	otal Kjeldahl N	Total N	Total P Total Suspended Solids	s Total CBODu	COD Tot	al Organic C Dissolved Organic C
81:	number Km	de	C umhos/cm @ 25C mg	gD/L mgO2/L	mgO2/L	mgO2/L ugN/L	ugN/L ugN	/L ugP/L	ugP/L	ugA/L mgI	gD/L user defined	user defined		es/L molès/L	moles/L	moles/L		.es/L mg02/	L ugN/L	ugN/L	ugN/L	ugN/L	ugP/L mgD/L	_ mgO2/L	mgO2/L	mgC/L mgC/L
82:	0 0.914400000000000E+01	30 0.18000000000000000E	0.3590000000000000E+03 0.72000000000000000	+01 0.814420000000000E+01 0.000	0000000000000E+00 0.33750000000000	000E+01 0.7500000000000000E+03 0.1	50000000000000E+03 0.9450000000000000E+	0.126000000000000E+03 0.	126000000000000E+03 0.98599999999	99999E+01 0.1800000000000000	E+01 0.000000000000000E+00 0	.0000000000000000E+00 0.1110	00000000000000E+03 0.22736447029495	E-02 0.6491983470493578E-04 0	0.2199852848697066E-02 0.88726	19547531285E-05 0.785000000000	00037E+01 0.1446313334095845	E-04 0.9294298503742336E+0	1 0.2479117513988288E+01 0.105	000000000000E+04 0.100397	8529031771E+04 0.1948978529	29031771E+04 0.2693250871849	0.1085969313177227E+02	2 0.8666085371814068E+01 0.86F	666085371814068E+01 0.32457248	358357329E+01 0.1264044943820225E+01
83:	1 0.899160000000000E+01	30 0.1811303050069413E	0.359000000000000E+03 0.7144097233208155E	+01 0.8530059149054706E+01 0.469	7374729729913E-01 0.33407690962677	753E+01 0.7417755215243872E+03 0.1	79570067818949E+03 0.9437996917933679E+	0.1244640041492311E+03 0.	1264619946838457E+03 0.104059817074	43101E+02 0.1799010608372051E-	E+01 0.0000000000000000E+00 0	.0000000000000000E+00 0.1110	0.22763424939289	E-02 0.5607771226931602E-04 0	0.2209891245699529E-02 0.10373	53596014440E-04 0.791474848182	29345E+01 0.1450012523627611	.E-04 0.9310764638679677E+0	1 0.3006328970491162E+01 0.106	756698575263E+04 0.101696	0.1949401951 0.1949401951	51986177E+04 0.2678954423286	547E+03 0.1090577850189028E+02	_ 0.8826279905964167E+01 0.882	326279905964167E+01 0.33057228	311222535E+01 0.1268817544406386E+01
84:	2 0.838200000000000E+01	30 0.1825454591196409E	0.3528658965929865E+03 0.7531707738609072E	+01 0.8888849709458233E+01 0.42	1773644990089E+01 0.32280626907981	.58E+01 0.7056217400683300E+03 0.3	91001938936920E+03 0.9368317655696917E+	0.1179464357333590E+03 0.	1253333068635149E+03 0.110823535232	27626E+02 0.2407594620023220E-	E+01 0.000000000000000E+00 0	.0000000000000000E+00 0.1108	8999839344650E+03 0.22812822284387	E-02 0.4501013478666437E-04 0	0.2223197580831792E-02 0.13074	51282028306E-04 0.801246953684	15161E+01 0.1458594507356613	E-04 0.9348970062577589E+0	1 0.9752950446113875E+01 0.124	931959463384E+04 0.118216	9472106826E+04 0.2087087671	71649727E+04 0.2590732125402	118E+03 0.1202954340641212E+02	_ 0.1400268552282144E+02 0.14P	00268552282144E+02 0.52444515	506674697E+01 0.2808927466587359E+01
85:	3 0.716280000000001E+01	30 0.1821016149477423E	0.3528658965929880E+03 0.7252789903173045E	+01 0.8931013367518029E+01 0.44	3854402987052E+01 0.31364266102200	0.62E+01 0.6671827318120005E+03 0.3	50162369764607E+03 0.9549803077135733E+	0.1108369856606074E+03 0.	1261255003708025E+03 0.112948696394	12405E+02 0.2327522713324917E-	E+01 0.0000000000000000E+00 0	.0000000000000000E+00 0.1109	9201673502992E+03 0.22862711260612	E-02 0.4098085128596474E-04 0	0.2230836163200321E-02 0.14454	11157492609E-04 0.805500664023	33064E+01 0.1466023492488369	E-04 0.9382120351828140E+0	1 0.1129787182263188E+02 0.128	996544690034E+04 0.117285	7494598503E+04 0.2085852558	58158214E+04 0.2519955946127	'609E+03 0.1171063629729919E+02	_ 0.1405531478966819E+02 0.14P	0.52641628 0.52641628	342572357E+01 0.2850292514309781E+01
86:	4 0.560040000000000E+01	30 0.1805403324315382E	0.3528658965929907E+03 0.6971191423371552E	+01 0.8794679056519602E+01 0.46	8367146592322E+01 0.30392430517192	295E+01 0.6326739446967688E+03 0.3	39731898387552E+03 0.9781404768881130E+	0.1048679706814475E+03 0.	1263309607034966E+03 0.10918590777	13357E+02 0.2269084710030175E-	E+01 0.0000000000000000E+00 0	.0000000000000000E+00 0.1108	3983414066740E+03 0.22848006708619	E-02 0.4031665923673921E-04 0	0.2229822067906422E-02 0.14661	.94371880582E-04 0.806302923224	13839E+01 0.1468597596862883	E-04 0.9393800039261869E+0	1 0.1219831922204856E+02 0.133	113666726868E+04 0.115162	0318417595E+04 0.2092365252	52672873E+04 0.2461328964904	676E+03 0.1129962991401708E+02	. 0.1398554952711013E+02 0.139	98554952711013E+02 0.52380335	330752859E+01 0.2894236029330194E+01
87:	5 0.377160000000000E+01		0.3278259056217205E+03 0.7193225634111236E																							
88:	6 0.198120000000000E+01	30 0.1784429979834189E	0.3278259056217232E+03	+01 0.6084069738900959E+01 0.509	2368994480108E+01 0.10519037411770	95E+02 0.5471137301679885E+03 0.5	60648143570435E+03 0.1025050637457831E+	0.8662966269700337E+02 0.	1180746399347073E+03 0.941669737894	46450E+01 0.2800953136654543E-	E+01 0.0000000000000000E+00 0	.0000000000000000E+00 0.1094	1976566722065E+03 0.23012632669036	E-02 0.8842348422753225E-04 0	0.2206345549310934E-02 0.64942	33365140475E-05 0.772158493764	1961E+01 0.1470462123337519	E-04 0.9402700561744329E+0	1 0.9837510666445104E+01 0.161	115451814875E+04 0.127545	9043901582E+04 0.2276331707	0.2186021837934	046E+03 0.1152212860562121E+02	_ 0.2222875988537761E+02 0.227	22875988537761E+02 0.83253782	234223823E+01 0.5846968691479796E+01
89:	7 0.914400000000001E+00		0.3278259056217253E+03																							
90:	8 0.304800000000000E+00	30 0.1782108092880167E	0.3278259056217254E+03	+01 0.7831852081039326E+01 0.53	5574976810145E+01 0.99992132435315	512E+01 0.5234256880043398E+03 0.5	59479937468330E+03 0.1057143113625744E+	04 0.8286204843621240E+02 0.	1182474109472542E+03 0.93029223051	51965E+01 0.2676369836190288E-	E+01 0.0000000000000000E+00 0	.00000000000000000E+00 0.1093	3060486519740E+03 0.22454378947736	E-02 0.5400010068056927E-04 0	0.2181047927242743E-02 0.10389	0.793091876918	30891E+01 0.1472206973263121	.E-04 0.9417618984376785E+0	1 0.1521896321040174E+02 0.162	091107372577E+04 0.122993	5109815919E+04 0.2263312871	71155799E+04 0.2148966818199	9944E+03 0.1118175618877384E+02	0.2172099754625903E+02 0.217	.72099754625903E+02 0.81352056	973505254E+01 0.5735875737955677E+01
91: 92: ** Daily maximum	n water quality summary for main channel	l (nart 2 of 2) **																								
93:	Reach Distance	Date Bottom al	ae Bottom algae Botalg Ir	nt N Botalg Int N	Botalg Int P Botalg	Int P Phytoplankton	Phytoplankton Sediment temperatu	re Hyporheic biofilm																		
94:	number Km	gD/	S S	I/gD mgN/mgA	5	ngP/mgA gD/m^2	mgA/m^2 de	gD/m^2																		
95:	0 0.914400000000000E+01	30 0.5229489221499847E	0.2772649037793111E+03 0.1786013996310309E	E+03 0.3368598338932485E+02 0.43	6719738919684E+02 0.82549245823134	159E+01 0.4315934845567101E+01 0.2	88287075445449E+02 0.00000000000000000E+	0.000000000000000000E+00																		
96:	1 0.8991600000000000E+01	30 0.5229489221499847E	0.2772649037793111E+03 0.1786013996310309E	E+03 0.3368598338932485E+02 0.43	6719738919684E+02 0.82549245823134	159E+01 0.4649504955194672E+01 0.2	65144279719439E+02 0.1808162637730144E+	0.0000000000000000E+00																		
97:	2 0.838200000000000E+01	30 0.4862502340992777E	0.2578074428682665E+03 0.1807910330733805E	E+03 0.3409896982683362E+02 0.43	1965345053979E+02 0.82459573271230	001E+01 0.5078368911872855E+01 0.2	92525805230427E+02 0.1818321045671752E+	0.0000000000000000E+00																		
98:	3 0.716280000000001E+01	30 0.4720416233849870E	0.2502741085106032E+03 0.1813877316215096E	+03 0.3421151305114338E+02 0.43	7137040967146E+02 0.82557116550837	83E+01 0.5528911020206078E+01 0.2	31400978358161E+02 0.1813323565804532E+	0.0000000000000000E+00																		
99:	4 0.5600400000000000E+01	30 0.4479517363798819E	0.2375017708699315E+03 0.1821483220788921E	E+03 0.3435496790405268E+02 0.43	6223503245558E+02 0.82728496180566	575E+01 0.5885303424208071E+01 0.3	20358448997997E+02 0.1800675435058611E+	0.0000000000000000E+00																		
100:	5 0.3771600000000000E+01	30 0.3877259174406668E	0.2055703427974543E+03 0.1838988567606096E	+03 0.3468513598970372E+02 0.43	0100293461892E+02	863E+01 0.5913869115389996E+01 0.3	35503835634199E+02 0.1787819367734695E+	0.0000000000000000E+00																		
101:	6 0.198120000000000E+01	30 0.3849312672345358E	0.2040886332314147E+03	E+03 0.3472439156223047E+02 0.43	3244509206763E+02 0.82106479865082	92E+01 0.6120028981062555E+01 0.3	44808765614461E+02 0.1780540041722526E+	0.0000000000000000E+00																		
102:	7 0.914400000000001E+00	30 0.2981645920257347E	0.1580853758690844E+03 0.1850591762612850E	+03 0.3490398367794587E+02 0.43	9109403710192E+02 0.82594317255164	48E+01 0.8436225492899309E+01 0.4	72844575207748E+02 0.1775432272982583E+	0.0000000000000000E+00																		
103:	8 0.304800000000000E+00	30 0.5452987796992307E	0.2891146865026336E+03	+03 0.3463058507274590E+02 0.434	1234058175113E+02 0.81879950927019	957E+01 0.3407894393341486E+01 0.1	06848567877689E+02 0.1776393823502100E+	0.0000000000000000E+00																		
104:																										
105: ** Sediment flux 106: Reach	kes (reach-average daily-average) **	DiagEluyDO DiagEluyC	DD DiagFluxNH4 DiagFlux	SRP DiagFluxNO3	HypoFluxDO HypoFl	uxCBOD HypoFluxNH4	HypoFluxSRP HypoFluxN	72 To+Fl.m/D0	Tot Flow CROD To	2+51.00AUI4 T2+51.006	«CDD To+F1»NO2	CTCF1.wpo	CTCF1.wCDOD CTCF	VANIA STEEL WEDD	STSF1uxN03											
100: Reach 107: Label	Distance	DiagFluxDO DiagFluxC gO2/m2/d gO2/m			Jr	22/m2/d mgN/m2/d	mgP/m2/d mgN/m2	O3 TotFluxDO /d gO2/m2/d	gO2/m2/d	mgN/m2/d mgP/m2	n2/d mgN/m2/d	gO2/m2/d	313F1UXCDUD 313F.	m2/d maD/m2/d	313F1UXNO3 mgN/m2/d											
107: Label	X(KIII)	8,	mgn/m2/0 mgr/m 30		8-, ,-	8	8,	8 , , ,	8,,			0 / ···- / ··	goz/iiiz/u nagagagagagagagagagagagagagagagagagagag	2/U 2/U	mgn/mz/u											
100.			00												0.0000000000000000000000000000000000000											
110.			0.2104623024901311E+03																							
110.			0.2025622600330757E+03																							
112.			0.1846211037368127E+03 0.2283369378518362E																							
112.			0.1781048219018070E+03 0.2569224895112747E																							
114:			0.1742177964601168E+03 0.2794435778838999E																							
115:			0.1716256746292252E+03 0.1866034387391386E																							
116:						***************************************																				
	summary (hyporheic pore water temperatur	,																								
118: Reach	Distance	Temp(C) Temp	- 1 (- /																							
119: Label	x(km)	Average Mini	····																							
120: Headwater		0000000000000E+00																								

- 1: ">>>>>>> QUAL2Kw version 6 input data <<<<<<<<000008"
- 3: 5,1,2021
- 4: -6,.000347,3.90625000001157E-03,30, "Repeating diel",30, "Euler", "Brent", "No", "No", "Lumped", "No", "All", "Option 1", "Yes", "No",4
- 5: 8, "Depth", "Flow fraction (unitless)", "Flow fraction (unitless)"

- 8: "","",7.9248,158.858,158.71,36,6,28.26,95,34,8.94,0,45.72,0,0,.0000042,.05,0,0,0,0,0,0,2,.2,0,0,0,0,0,0,3.82409177820268E-03,5.88321812031181E-03,10,0,.4,.6500000000001,0,0,0,0,0,0,1,0
- 9: "","",6.4008,158.71,158.463,36,5,49.83,95,33,31.9,0,45.72,0,0,.0000034,.05,0,0,3.6576,0,0,.2,.2,0,0,0,0,0,0,0,3.82409177820268E-03,5.88321812031181E-03,10,0,.4,.65000000000001,0,0,0,0,0,1,0
- 10: "","",4.8,158.463,158.203902887139,36,5,4.75,95,33,18.78,0,45.72,0,0,.0000025,.05,0,0,4.2672,0,0,.3,.2,0,0,0,0,0,0,3.82409177820268E-03,5.88321812031181E-03,10,0,.4,.650000000000001,0,0,0,0,0,1,0
- 11: "","",2.7432,158.203902887139,157.871,36,4,23.38,95,33,16.48,0,45.72,0,0,.0000019,.05,0,0,4.8768, 0,0,.3,.2,0,0,0,0,0,0,3.82409177820268E-03,5.88321812031181E-03,10,0,.4,.650000000000001,0,0,0,0,0,0,1,0
- 12: "","",",1.2192,157.871,157.6230528,36,3,43.04,95,32,32.33,0,45.72,0,0,.0000016,.05,0,0,6.096,0,0,.4,.2,0,0,0,0,0,0,0,3.82409177820268E-03,5.88321812031181E-03,10,0,.4,.650000000000001,0,0,0,0,0,0,1,0
- 13: "","Newt Graham Lock and Dam","",.6096,157.6230528,151.2112,36,3,31.82,95,32,14.1,0,45.72,0,0,.00001,.05,0,0,9.144,0,0,.6,.2,0,0,0,0,4.683,54.864,3.82409177820268E-03,5.88321812031181E-03,10,0,.4,.65000000000001,0,0,0,0,0,0,1,0
- 14: "Newt Graham Lock and Dam","","",0,151.2112,151.205104,36,3,21.42,95,31,56.38,0,45.72,0,0,.00001,.05,0,0,3.6576,0,0,.1,.2,0,0,0,0,0,3.82409177820268E-03,5.88321812031181E-03,10,0,.4,.650000000000001,0,0,0,0,0,0,0,1,0

- 20: -999, -9

- 29: -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999, -999
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- 33: -999, -999, 40, -999, -999

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49: "Bras",2,.8,"Brunt",1.24,"Brady-Graves-Geyer",.65,2,"Eqn 1",.17,2,"No"
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61: 0,0,0
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63: 22.5,0,0
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65: 0,0,0
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67: 7.94,0,.66666666666666
68: "Inola Domestic",4.79,0,0,0,1.75250546296296E-02,0,0,25,0,.666666666666666
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71: 2,0,.66666666666667
72: 0,0,0
73: 66.125,0,.66666666666667
74: 3450,0,.66666666666667
75: 13800,0,.666666666666667
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87: 22.5,0,0
88: 2,0,.66666666666667
89: 0,0,0
90: 66.125,0,.66666666666667
91: 3450,0,.666666666666667
92: 13800,0,.6666666666666
93: 0,0,0
94: 0,0,0
95: 0,0,0
96: 0,0,0
97: 22.5,0,0
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98: 0,0,0
 99: 0,0,0
100: 100,0,0
101: 7.94,0,.666666666666667
102: "InolaPort Industrial",4.79,0,0,0,.289163401388889,0,0,25,0,.66666666666666666
103: 0,0,0
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105: 2,0,0
106: 0,0,0
107: 140.185,0,.66666666666667
108: 0,0,.666666666666667
109: 5750,0,.66666666666667
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190: .6,.6,.6,.6,.6,.075,1.0611317,.035,1.0029386,.25,1.0621019,.2536275,1.0522809,1.209431
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192: 4,1.0466704,.063491,1.0681905,.15,1.0041692,13.08625,4.23204,.000048184123,80.1289
193: 27.66195,2.67,"Yes",1,1,"Zero-order",175,1.0650293,.1035704,.37308,1.004193,.1,1.0588014,.02,114.8
194: 1.0044233,209.592,26.14225,.00000752908,104.1438,28.65885,.408641,1.07,.26
195: 7.430688,3.87748,673.3685,71.234,1.206341,1.3537155,.31395,.54211
196: "Flow",.032831,.37152,2.3918,24.405,49.0375
197: .8,1.07,1,1,0,1.07,0,"No"
198: "Exponential", "Exponential", "Exponential", "Exponential", "Exponential", "Half saturation", "Half
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199: "User model",4.08331094825795,.917130559877088,-1.63352092117235,"None"
200: "Minimum", "Minimum"
201: "Yes", "Yes"
202: "Zero-order",5,1.047,.5, "Exponential",.6,.2,1.07,.05,1.07,15,2,25,100
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- 224: 1,1,1,1,1,1,201793696585124,2.01758446068287E-02,2.01758446068288E-02,2.01758446068286E-02, 2.01758446068287E-02,2.01758446068286E-02, 2.01758446068286E-02, 2.01758446068286E-02, 2.01758446068289E-02,2.01758446068285E-02,2.01758446068286E-02,3.27070951226306E-02,.535632699135298, 1,1,1,1,""
- 225: 1,1,1,1,1,1,1,1.121058522461585,2.01758446068287E-02,2.01758446068288E-02,2.01758446068286E-02, 2.01758446068287E-02,2.01758446068286E-02, 2.01758446068287E-02,2.01758446068286E-02, 2.01758446068289E-02,2.01758446068285E-02,2.01758446068286E-02,2.48307093937154E-02,.45940614732911, 1,1,1,1,""
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- 23: 28:1481481481,22.3048148148148,21.8159259259,21.2048148148148,20.8548148148148, 20.3937037037,19.8048148148,19.8437037037,19.6437037037,21.727037037037,23.6548148148148, 25.577037037037,27.0159259259259,28.177037037037,29.4381481481482,30.1881481481481,30.4159259259259, 30.7437037037,30.9437037037,29.9437037037,28.0825925925926,26.5309259259259, 24.9792592592,23.4275925925926,""
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- 245: 8.45342592593,8.22009259259,8.4392037037037,8.98209259259,8.7440925925926,8.48098148148148, 8.5180925925926,8.50098148148148,7.99098148148148,8.26431481481,8.14809259259259,8.52231481481482, 8.8112037037037,9.39031481481481,9.73742592592593,9.07542592593,9.3672037037037,9.45498148148148, 9.47498148148,9.92298148148148,9.8752037037037,9.8752037037037,9.8752037037037,9.8752037037037,""
- 246: 8.45342592593,8.22009259259,8.4392037037037,8.98209259259,8.7440925925926,8.48098148148148, 8.5180925925926,8.50098148148148,7.99098148148148,8.26431481481,8.14809259259259,8.52231481481482, 8.8112037037037,9.39031481481481,9.73742592592593,9.07542592593,9.3672037037037,9.45498148148148, 9.47498148148,9.92298148148148,9.8752037037037,9.8752037037037,9.8752037037037,9.8752037037037,""
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- 249: 1.609344,.625856,.402336,.312928,.759968,.536448,.44704,.491744,.491744,.849376,1.430528,1.296416, .938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528,.268224,.536448,.357632,.357632, ...
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- 253: 1.609344,.625856,.402336,.312928,.759968,.536448,.44704,.491744,.491744,.849376,1.430528,1.296416, .938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528,.268224,.536448,.357632,.357632, ...
- 254: 1.609344,.625856,.402336,.312928,.759968,.536448,.44704,.491744,.491744,.849376,1.430528,1.296416, .938784,1.207008,1.162304,1.1176,2.324608,1.654048,1.519936,1.430528,.268224,.536448,.357632,.357632,

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2748: 4,314,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,""

4861: 7,264,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,"" 4925: 7,328,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,"" 4989: 7,392,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,"" 5053: 7,456,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,""

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6078: ,,,,,,,,,
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6079: "WQ Data Min",0 6080: "WQ Data Max",0 6081: 8 6082: 0

6083:

1 ** Myfewall CS yearning marked programment of the		
13: 14: ** Temperature summary (water column temperature) **		
15: Reach		
27: ** Daily average water quality summary for main channel (part 1 of 2) ** 28: Reach Distance Total Potal Suspended Solids Total Potal Inorganic P Phytoplankton DO saturation Un-ioninozed NH3 Dissolved Inorganic C CDissolved Organic C Dissolved Organic C Dissolve		
39: 40: ** Daily average water quality summary for main channel (part 2 of 2) ** 41: Reach Distance Distance Distance Distance Bottom algae Bottom algae Bottom algae Bottom algae Botalg Int P Phytoplankton Sediment oxygen demand Sed NH4 flux Sed SRP flux Botalg photo Botalg photo Botalg photo Botalg photo Botalg photo Botalg photo Sediment oxygen demand Sed NH4 flux Sed CBOD fl		
4;		
53: ** Daily minimum water quality summary for main channel (part 1 of 2) ** 54: Reach Distance Total Potal Suspended Solids Total Potal Inorganic P Phytoplankton DO saturation Un-ioninozed NH3 Dissolved Inorganic C CDissolved Organic C Dissolved Organic C Dissolve		
5: wilder		
66: ** Daily minimum water quality summary for main channel (part 2 of 2) ** 67: Part Part		
67: Reach Distance Date Bottom algae Bottom algae Bottom algae Bottom algae Bottom algae Bottom algae Phytoplankton Phytoplankton Sediment temperature Hyporheic biofilm 68: nuber GP 90 90 90 90 90 90 90 90 90 90 90 90 90		

0.838200000000000E+01 0.2500117859046555E+02 0.2485964128531088E+02 0.2519887568980480E+02 0.7162800000000001E+01 0.2500288695739102E+02 0.2474956692286096E+02 0.2529519496012839E+02 0.560040000000000E+01 0.2500441333617036E+02 0.2471902431629196E+02 0.2528796693421044E+02 0.377160000000000E+01 0.2500649444661388E+02 0.2476898530501335E+02 0.2521559774856037E+02 0.198120000000000E+01 0.2500848023037269E+02 0.2481190741779706E+02 0.2517364376358029E+02 0.914400000000001E+00 0.2500926774169584E+02 0.2481398919762759E+02 0.2517473453998328E+02 0.304800000000000E+00 0.2501004611368431E+02 0.2479998686560705E+02 0.2520245686248753E+02

71 •	.8382000000000000E+01 30 $0.6471242245306905E+02$ $0.3431020282250495E+03$ $0.1230468678846435E+03$ $0.2320785142912391E+02$ $0.3044080145041886E+01$ $0.4843282840164306E+01$
72:	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
73:	560040000000000000000000000000000000000
74:	37716909090909000000000000000000000000000
75:	.198120000000000E+01 30 0.5129494223515118E+02 0.2719632189836598E+03 0.1273658167907921E+03 0.2402244773918882E+02 0.5819937907211042E+01 0.7764033556488601E+01 0.4116451771482473E+02 0.2481190741779706E+02 0.0000000000000000000000000000000000
76:	.9144000000000001E+00 30 $0.6856008620320446E+02$ $0.3635021490450799E+03$ $0.1271578074800591E+03$ $0.2851245953488551E+02$ $0.5806514151940113E+01$ $0.5377730747156332E+01$ $0.2851245953488551E+02$ $0.2481398919762759E+02$ $0.00000000000000000000000000000000000$
77:	.304800000000000000000000000000000000000
78:	
79: ** Daily maximum	lity summary for main channel (part 1 of 2) **
80:	Distance Date Water temperature Conductivity Total Inorganic P CO2 saturation Un-ioninozed NH3 Dissolved Inorganic C CO3- Organic N Total CBODu Total Organic P Phytoplankton Detritus Pathogen CO3- Total Organic C Dissolved Organic C CO3- Organic C Dissolved Organic C CO3- Organic C C CO3- Organic C CO3- Organic C C C C C C C C C C C C C C C C C C C
81:	deg~C~~umhos/cm~@~25C~~mg02/L~~~mg02/L~~~mg02/L~~~mg02/L~~~mg02/L~~~mg02/L~~~mg02/L~~~mg02/L~~~mg02/L~~~mg02/L~~~mg02/L~~~mg02/L~~~mg02/L~~~~mg02/L~~~~mg02/L~~~~mg02/L~~~~~~mg02/L~~~~~mg02/L~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
82:	30 $0.12500000000000000000000000000000000000$
83:	30 0.250773907555974884 0.505773907555974885 0.505773907555974885 0.5057739075597488 0.5057739075597488 0.50577390755974 0.50577390755974 0.50577390755974 0.50577390755974 0.50577390755974 0.50577390755974 0.50577390755974 0.50577390755974 0.50577390755974 0.50577390755974 0.50577390755974 0.50577390755974 0.50577390755974 0.5057739075974 0.50577390755974 0.50577390755974 0.50577390755974 0.5057739075974 0.5057739075974 0.50577390755974 0.505773907
84:	-0.00000000000000000000000000000000000
85:	-0.00000000000000000000000000000000000
86:	0.00000000000000000000000000000000000
87:	-0.526545545569554566685955695666859556956668595666859566685956668595666859566685956668595666859666859666859666859666859666859666859666859666859666859666859666859666859666859668596668596668596668596668596668596859
88:	-0.00000000000000000000000000000000000
89:	30 0.2521779394158382F+02 0.7380569275F+03 0.7380569275F+03 0.7380569275F+03 0.7380569275F+03 0.7380569275F+03 0.7380569275F+03 0.8573761021126652E+01
90:	-0.00000000000000000000000000000000000
91: 02: ** Daily maximum	lity summary for main channel (part 2 of 2) **
92. ·· Daily maximum	Distance Bottom algae Bottom algae Bottom algae Bottom algae Botalg Int N Botalg Int P Botalg Int P Phytoplankton Sediment temperature Hyporheic biofilm
94:	Km gD/m ² mgN/mgA mgP/mpA gD/m ² mgN/mgA gD/m ² degC gD/m ²
95:	.914400000000000000000000000000000000000
96:	.8991600000000000000000000000000000000000
97:	.838200000000000000000000000000000000000
98:	.7162800000000001E+01 30 0.7016267036712279E+02 0.3719989701529666E+03 0.1394975083235232E+03 0.2631060427267764E+02 0.3442245890758772E+02 0.6492414848798598E+01 0.7168085715279860E+01 0.3800483205812804E+02 0.2529519496012839E+02 0.2529519496012849E+02 0.2529519496012849E+02 0.2529519496012849E+02 0.2529519496012849E+02 0.2529519496012849E+02 0.2529519496012849E+02 0.2529519496012849E+02 0.2529519496012849E+02 0.2529519496012849E+02 0.2529519496012849E
99:	.56004000000000000E+01 30 $0.6547891226599941E+02$ $0.3471659188887156E+03$ $0.1404668628600788E+03$ $0.2649343408747326E+02$ $0.6521737018681535E+01$ $0.8436453175773401E+01$ $0.84769291529178E+02$ $0.6521737018681535E+01$ $0.84769291529178E+02$ $0.6521737018681535E+01$ $0.84769291529178E+02$ $0.6521737018681535E+01$ $0.84769291529178E+02$ $0.6521737018681535E+01$ $0.8476912659991E+02$ $0.8476912659991E+02$ $0.8476912659991E+02$ $0.8476912659991E+02$ $0.8476912659991E+02$ $0.8476912659991E+02$ $0.8476912659991E+02$ $0.8476912659991E+02$ $0.8476912659991E+02$ $0.847691265991E+02$ $0.8476912659991E+02$ $0.847691265991E+02$ $0.84769126591E+02$ $0.84769126591E+02$ $0.84769126591591E+02$ $0.84769126591E+02$
100:	.37716000000000000E+01 30 $0.5938218211283034E+02$ $0.3148413604531208E+03$ $0.1426717989421035E+03$ $0.2690930675357247E+02$ $0.6521356419848462E+01$ $0.9323736517587875E+02$ $0.6521356419848462E+01$ $0.9323736517587875E+02$ $0.6521356419848462E+01$ $0.9323736517587875E+02$ $0.652135641984860451208E+03$
101:	.19812000000000000E+01 30 $0.5771569244232472E+02$ $0.3060057155445836E+03$ $0.1431781561070210E+03$ $0.2700481070304719E+02$ $0.3468626055914996E+02$ $0.6542170439017713E+01$ $0.1003418755808215E+02$ $0.2517364376358029E+02$
102:	.9144000000000001E+00 30 $0.7718098398824965E+02$ $0.4092097180565002E+03$ $0.1430290365281855E+03$ $0.2697668528148803E+02$ $0.368106875148003E+02$ $0.2517473453998328E+02$ $0.00000000000000000000000000000000000$
103:	.304800000000000000000000000000000000000
104:	
	average daily-average) **
106: Reach	Distance DiagFluxDO DiagFluxCBOD DiagFluxCBOD DiagFluxCBOD DiagFluxCBOD DiagFluxCBOD DiagFluxNH4 DiagFluxSRP DiagFluxNO3 HypoFluxNO3 TotFluxCBOD TotFluxNO3 STSFluxCBOD STSFlu
107: Label	x (km) $g02/m2/d$
108:	8.991600000000000000000000000000000000000
109:	8.83200000000000000000000000000000000000
110:	.7162800000000001E+01 - 0.7634305869362421E+00
111.	
112:	-3.771600000000000000000000000000000000000
113:	-1.91529878478199819999999999999999999999999999
114.	-0.594748186149424E+00 $-0.999349149424E+00$ $-0.999349149424E+00$ $-0.9993999999999999999999999999999999999$
116:	
117: ** Temperature summary (hyporheic pore water temperature) **	
118: Reach	Distance Temp(C) Temp(C) Temp(C)
119: Label	x(km) Average Minimum Maximum
120: Headwater	.914400000000000000000000000000000000000
121:	.89916000000000E+01 0.2500030297152458E+02 0.2496243533031987E+02 0.2506172271657983E+02
	020000000000000000000000000000000000000