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*****
* FLOOD HYDROGRAPH PACKAGE (HEC-1) *
* JUN 09 1992 *
* VERSION 4.0.3E *
* RUN DATE 02/02/00 TIME 09:00:31 *
*****

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*****
* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET *
* DAVIS, CALIFORNIA 95616 *
* (916) 551-1748 *
*****

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X X XXXXXXXX XXXXX X
X X X X X XX
X X X X X X
XXXXXXXX XXXX X XXXXX X
X X X X X X
X X X X X X
X X XXXXXXXX XXXXX XXX

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THIS PROGRAM REPLACES ALL PREVIOUS VERSIONS OF HEC-1 KNOWN AS HEC1 (JAN 73), HEC1GS, HEC1DB, AND HEC1KW.

THE DEFINITIONS OF VARIABLES -RTIMP- AND -RTIOR- HAVE CHANGED FROM THOSE USED WITH THE 1973-STYLE INPUT STRUCTURE. THE DEFINITION OF -AMSKK- ON RM-CARD WAS CHANGED WITH REVISIONS DATED 28 SEP 81. THIS IS THE FORTRAN77 VERSION NEW OPTIONS: DAMBREAK OUTFLOW SUBMERGENCE , SINGLE EVENT DAMAGE CALCULATION, DSS:WRITE STAGE FREQUENCY, DSS:READ TIME SERIES AT DESIRED CALCULATION INTERVAL LOSS RATE:GREEN AND AMPT INFILTRATION KINEMATIC WAVE: NEW FINITE DIFFERENCE ALGORITHM

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LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
1 ID Incline Village 6hr 100yr FEMS HEC-1 Model
2 ID This filename: INCL100r.DAT, 10/14/99
3 ID Removed all routings except within subareas
4 ID and those above Incline Lake
5 ID Model time reduced to 8 hrs.
6 ID 3hr precip burst moved to after first hour.
7 ID Precip ratioed from freq curve and NAP map.
8 ID Creek locations in model from west to east
9 ID Numbers in DSS path refer to hydraulic analysis pts
10 ID 5 min UHG, LAUHG, sgr47.dat Truckee Mdws avg mtn ws
11 ID Curve numbers lumped to subareas
12 ID Muskingum steps chosen as minimum value
13 ID to make model stable at X = 0.4 using
14 ID equation on pg A-66 in HEC-1 manual
15 ID Modified Puls routing for Mill Cr reservoir
16 ID reported as possibly unstable by program.
17 ID
18 ID *****
19 ID First Creek
20 ID *****

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*** FREE ***

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*DIAGRAM
21 IT 05 01JAN99 0005 96
22 IO 1 0 0

23 KK F1First Cr at mouth, Pt 1
24 BA 1.72
25 BF 0 -.05 1.5
26 PB 3.19
27 IN 15
28 PI 2 2 2 3 1 3 11 21 12 7
29 PI 4 4 4 2 1 1 3 3 3 3
30 PI 2 2 2 2
31 IN 5
32 LS 0 65.14
*n=0.07
33 UI 121 364 566 744 863 984 955 932 867 790
34 UI 724 659 595 532 470 409 351 312 272 243
35 UI 215 192 170 151 136 121 106 92 82 69
36 UI 60 48 40 31 20 12 4 0
37 ZW A=FIRST CR B=MOUTH PT1 C=FLOW F=
* ZZ
* ID *****
* ID Second Creek
* ID *****
* *FREE
* *DIAGRAM
* IT 5 01JAN99 0005 96
* IO 1 0 0

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LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
38 KK S1Second Cr at mouth, Pt 2
39 BA 1.73
40 BF 0 -.05 1.5

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41 PB 3.27
42 IN 15
43 PI 2 2 2 3 1 3 11 21 12 7
44 PI 4 4 4 2 1 1 3 3 3 3
45 PI 2 2 2 2
46 IN 5
47 LS 0 69.79
* n=0.07
48 UI 99 297 470 626 728 845 896 870 839 781
49 UI 718 664 611 558 507 456 407 356 311 281
50 UI 247 224 201 180 163 145 133 120 107 95
51 UI 83 76 68 59 48 42 34 26 17 11
52 UI 5 0
53 ZW A=SECONDR CR B=MOUTH PT2 C=FLOW F=

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* ZZ
* ID *****
* ID Burnt Cedar Beach Creek
* ID *****
* *FREE
* *DIAGRAM
* IT 5 01JAN99 0005 96
* IO 1 0 0

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54 KK BCB1Burnt Cedar Beach Cr at mouth, pt 20
55 BA 0.43
56 BF 0 -.05 1.5
57 PB 2.43
58 IN 15
59 PI 2 2 2 3 1 3 11 21 12 7
60 PI 4 4 4 2 1 1 3 3 3 3
61 PI 2 2 2 2
62 IN 5
63 LS 0 74.31
* n=0.05
64 UI 188 485 606 531 422 321 228 165 123 91
65 UI 67 49 31 18 5 0
66 ZW A=BNT CDR BCH CR B=MOUTH PT20 C=FLOW F=

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* ZZ
* ID *****
* ID Burnt Cedar Creek
* ID *****
* *FREE
* *DIAGRAM
* IT 5 01JAN99 0005 96
* IO 1 0 0

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HEC-1 INPUT

1

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

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67 KK BCB1Burnt Cedar Cr at mouth, Pt 3
68 BA 0.27
69 BF 0 -.05 1.5
70 PB 2.21
71 IN 15
72 PI 2 2 2 3 1 3 11 21 12 7
73 PI 4 4 4 2 1 1 3 3 3 3
74 PI 2 2 2 2
75 IN 5
76 LS 0 79.74
* n=0.04
77 UI 114 295 374 332 265 204 147 106 79 59
78 UI 44 32 22 13 4 0
79 ZW A=BURNT CEDAR CR B=MOUTH PT3 C=FLOW F=

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* ZZ
* ID *****
* ID Wood Creek
* ID *****
* *FREE
* *DIAGRAM
* IT 5 01JAN99 0005 96
* IO 1 0 0

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80 KK W1Wood Cr at SR 431, Pt 17
81 BA 1.7
82 BF 0 -.05 1.5
83 PB 3.84
84 IN 15
85 PI 2 2 2 3 1 3 11 21 12 7
86 PI 4 4 4 2 1 1 3 3 3 3
87 PI 2 2 2 2
88 IN 5
89 LS 0 68.67
* n=0.07
90 UI 107 320 503 667 770 896 909 876 845 772
91 UI 711 654 596 541 486 432 378 327 293 257
92 UI 231 207 185 166 147 134 120 107 93 82
93 UI 75 65 55 44 37 28 20 12 4 0
94 ZW A=WOOD CR B=SR 431 PT17 C=FLOW F=

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95 KK W1RRoute Wood to SR 28 at 4fps
96 RM 4 0.32 0.4
* *****

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97 KK W2Wood Cr at SR 28

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98 BA 0.19
99 BF 0 -.05 1.5
100 PB 1.43
101 IN 15
102 PI 2 2 2 3 1 3 11 21 12 7
103 PI 4 4 4 2 1 1 3 3 3 3
104 PI 2 2 2 2
105 IN 5
106 LS 0 82.01
* n=0.04

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HEC-1 INPUT

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LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
107 UI 143 334 322 239 161 103 69 47 30 17
108 UI 7 0
109 ZW A=WOOD CR B=SR28 LOCAL C=FLOW F=
110 KK W2Ccombine upper & mid Wood, Pt 4
111 HC 2
112 ZW A=WOOD CR B=SR28 PT4 C=FLOW F=
113 KK W2RRoute Wood Cr to mouth at 3fps
114 RM 3 0.26 0.4
* *****

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115 KK W3Wood Cr at mouth
116 BA 0.08
117 BF 0 -.05 1.5
118 PB 1.26
119 IN 15
120 PI 2 2 2 3 1 3 11 21 12 7
121 PI 4 4 4 2 1 1 3 3 3 3
122 PI 2 2 2 2
123 IN 5
124 LS 0 85.14
* n=0.03

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125 UI 125 211 138 73 40 22 9 0
126 ZW A=WOOD CR B=MOUTH LOCAL C=FLOW F=

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127 KK W3CCombine Wood Cr at mouth, Pt 5
128 HC 2
129 ZW A=WOOD CR B=MOUTH PT5 C=FLOW F=

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* ZZ
* ID *****
* ID Third Creek
* ID *****
* *FREE
* *DIAGRAM
* IT 5 01JAN99 0005 96
* IO 1 0 0

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130 KK T1Third Cr ab Ophir Div.
131 BA 1.03
132 BF 2 -.05 1.03
133 PB 6.33
134 IN 15
135 PI 2 2 2 3 1 3 11 21 12 7
136 PI 4 4 4 2 1 1 3 3 3 3
137 PI 2 2 2 2
138 IN 5
139 LS 0 61.84
* n=0.07

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140 UI 93 278 428 541 645 658 635 589 530 480
141 UI 429 381 333 286 240 210 180 159 138 122
142 UI 106 94 82 70 60 50 42 33 28 20
143 UI 15 8 1 0
144 ZW A=THIRD CR B=AB OPHIR C=FLOW F=
* *****

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HEC-1 INPUT

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LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

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145 KK TD1Divert part Third Cr flow to Ophir Cr.
146 DT OPDIV
147 DI 0 5 125 1000
148 DQ 0 0 50 50
* KK TD1R Recall Ophir Cr diversion
* BA 0.01
* DR OPDIV
* ZW A=THIRD CR B=OPHIR DIV C=FLOW F=
* KK TD1B Re-divert to Ophir Cr
* DT OPDIV2
* DI 0 100 1000
* DQ 0 50 50
149 ZW A=THIRD CR B=BL OPHIR C=FLOW F=

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150 KK T1RRoute Third to Ginny Lk at 4 fps
151 RM 1 0.10 0.4
* *****

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152 KK T2Third Cr - Ginny Lk Watershed
153 BA 1.01
154 BF 2 -.05 1.03

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155 PB 5.67
156 IN 15
157 PI 2 2 2 3 1 3 11 21 12 7
158 PI 4 4 4 2 1 1 3 3 3 3
159 PI 2 2 2 2
160 IN 5
161 LS 0 69.60
* n=0.07
162 UI 156 447 665 828 829 778 680 595 512 432
163 UI 353 287 236 200 168 140 119 100 81 68
164 UI 54 41 30 15 0
165 ZW A=THIRD CR B=GINNY LK LOCAL C=FLOW F=

166 KK T2CCombine Third at Ginny Lk. WS outlet
167 HC 2
* *****

168 KK TD2Divert part Third Cr to Incline Lake
169 KM Divert part of flow to Incline Lk
170 DT INDIV
171 DI 0 4 150 550 1000
172 DQ 0 4 60 160 200
173 ZW A=THIRD CR B=BL INCLINE DIV C=FLOW F=

174 KK T2RRRoute rest Third Cr to SR 431 at 4 fps
175 RM 9 0.85 0.4

176 KK TD2RRrecall Incline Lk diversion
177 BA 0.01
178 DR INDIV
179 ZW A=THIRD CR B=INCLINE DIV C=FLOW F=
HEC-1 INPUT

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PAGE 6

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

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180 KK T2RRRoute diverted Third Cr Q to Incline Lk
181 RM 2 0.19 0.4
* *****

182 KK T3Incline Lake
183 BA 0.46
184 BF 0 -.05 1.5
185 PB 4.46
186 IN 15
187 PI 2 2 2 3 1 3 11 21 12 7
188 PI 4 4 4 2 1 1 3 3 3 3
189 PI 2 2 2 2
190 IN 5
191 LS 0 62.30
* n=.03 a=.46 l=.57 lca=.38 d=280
* calc lake as CN = 100
192 UI 728 1221 793 417 227 122 50 0
193 ZW A=WF THIRD CR B=INCLINE LK C=FLOW F=

194 KK T3CCombine Incline Lake and diversion
195 HC 2
196 ZW A=THIRD CR B=RES INFLOW C=FLOW F=
* *****

197 KK TRRIncline Lake reservoir routing
198 KM Route through Incline Lake
199 RS 1 STOR 146
200 SV 135 157 166 177 197 218 239 261 274 285
201 SV 309 335
202 SQ 3 3.2 3.3 3.4 24 113 239 393 571 668
203 SQ 1561 5096
204 SE 8316 8317 8317.5 8318 8319 8320 8321 8322 8322.5 8323
205 SE 8324 8325
206 ZW A=THIRD CR CR B=RES OUTFLOW C=FLOW F=

207 KK TRR2Route res out to Third Cr SR 431 at 4 fps
208 RM 7 0.72 0.4

209 KK TRRCReturn res out to Third Cr at SR 431
210 HC 2
* *****

211 KK T4Third Cr at SR 431
212 BA 1.78
213 BF 0 -.05 1.5
214 PB 4.09
215 IN 15
216 PI 2 2 2 3 1 3 11 21 12 7
217 PI 4 4 4 2 1 1 3 3 3 3
218 PI 2 2 2 2
219 IN 5
220 LS 0 69.44
* n=0.07
221 UI 120 361 564 744 860 991 974 949 894 814
HEC-1 INPUT

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PAGE 7.

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

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222 UI 748 683 619 557 495 436 373 330 290 257

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223 UI 231 204 193 162 146 131 116 100 89 80
 224 UI 69 57 45 38 31 21 13 5 0
 225 ZW A=THIRD CR B=SR431 LOCAL C=FLOW F=
 KK T4CCombine Third at SR431, Pt 18
 227 HC 2
 228 ZW A=THIRD CR B=SR431 PT18 C=FLOW F=
 229 KK T4RRRoute Third to Village Bl at 3 fps
 230 RM 2 0.19 0.4
 * *****

231 KK T5Third Cr at Village Bl
 232 BA 0.07
 233 BF 0 -.05 1.5
 234 PB 1.82
 235 IN 15
 236 PI 2 2 2 3 1 3 11 21 12 7
 237 PI 4 4 4 2 1 1 3 3 3 3
 238 PI 2 2 2 2
 239 IN 5
 240 LS 0 75.22
 * n=0.04
 241 UI 59 133 121 87 55 35 23 15 9 4
 242 UI 0
 243 ZW A=THIRD CR B=VILLAGE BL LOCAL C=FLOW F=

244 KK T5CCombine Third at Village Bl, Pt 8
 245 HC 2
 246 ZW A=THIRD CR B=VILLAGE BL PT8 C=FLOW F=
 247 KK T5RRRoute Third to SR 28 at 3 fps
 248 RM 3 0.24 0.4
 * *****

249 KK T6Third Cr at SR 28
 250 BA 0.52
 251 BF 0 -.05 1.5
 252 PB 1.26
 253 IN 15
 254 PI 2 2 2 3 1 3 11 21 12 7
 255 PI 4 4 4 2 1 1 3 3 3 3
 256 PI 2 2 2 2
 257 IN 5
 258 LS 0 80.68
 * n=0.03 9/15
 259 UI 255 614 624 480 342 222 152 105 71 47
 260 UI 25 3 0
 261 ZW A=THIRD CR B=SR28 LOCAL C=FLOW F=HEC-1 INPUT

1

PAGE 8

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

262 KK T6CCombine Third at SR 28, Pt 9
 263 HC 2
 264 ZW A=THIRD CR B=SR28 PT9 C=FLOW F=
 265 KK T6RRRoute Third to WF just below SR 28
 266 RM 1 0.01 0.4
 * *****

267 KK WT1WF Third Cr at Village Bl
 268 BA 0.84
 269 BF 0 -.05 1.5
 270 PB 2.33
 271 IN 15
 272 PI 2 2 2 3 1 3 11 21 12 7
 273 PI 4 4 4 2 1 1 3 3 3 3
 274 PI 2 2 2 2
 275 IN 5
 276 LS 0 72.23
 * n=0.05 9/15
 277 UI 180 503 724 827 776 668 570 476 384 298
 278 UI 238 194 158 129 106 83 68 51 35 25
 279 UI 11 0
 280 ZW A=WF THIRD CR B=VILLAGE BL PT6 C=FLOW F=

281 KK WT1RRRoute WF Third to SR 28 at 3 fps
 282 RM 4 0.32 0.4
 * *****

283 KK WT2WF Third Cr at SR 28
 284 BA 0.15
 285 BF 0 -.05 1.5
 286 PB 1.21
 287 IN 15
 288 PI 2 2 2 3 1 3 11 21 12 7
 289 PI 4 4 4 2 1 1 3 3 3 3
 290 PI 2 2 2 2
 291 IN 5
 292 LS 0 83.73
 * n=0.04 9/15
 293 UI 219 387 262 144 79 45 21 0
 294 ZW A=WF THIRD CR B=SR28 LOCAL C=FLOW F=

295 KK WT2CCombine WF Third at SR 28, Pt 7
 296 HC 2
 297 ZW A=WF THIRD CR B=SR28 PT7 C=FLOW F=
 298 KK T2RRoute main to WF just below SR 28
 299 RM 1 0.01 0.4
 * *****

HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

300 KK T2C2Combine WF and main just below SR 28
 301 HC 2

302 KK WT6R2Route WF Third to main at 3 fps
 303 RM 3 0.30 0.4
 * *****

304 KK T7Mouth Third
 305 BA 0.16
 306 BF 0 -.05 1.5
 307 PB 1.07
 308 IN 15
 309 PI 2 2 2 3 1 3 11 21 12 7
 310 PI 4 4 4 2 1 1 3 3 3 3
 311 PI 2 2 2 2
 312 IN 5
 313 LS 0 83.13
 * n=0.03 9/15 new
 314 UI 160 338 282 190 113 70 45 27 13 0
 315 ZW A=THIRD CR B=MOUTH LOCAL C=FLOW F=
 * *****

316 KK T7CCombine Third Cr at mouth, Pt 12
 317 HC 2
 318 ZW A=THIRD CR B=MOUTH PT 12 C=FLOW F=
 * ZZ
 * ID *****
 * ID Incline Cr
 * ID *****
 * ID *****
 * *FREE
 * *DIAGRAM
 * IT 5 01JAN99 0005 96
 * IO 1 0 0

319 KK W11WF Incline at Village Dr. Pt 10
 320 BA 1.03
 321 BF 0 -.05 1.5
 322 PB 3.01
 323 IN 15
 324 PI 2 2 2 3 1 3 11 21 12 7
 325 PI 4 4 4 2 1 1 3 3 3 3
 326 PI 2 2 2 2
 327 IN 5
 328 LS 0 64.74
 * n=0.05
 329 UI 182 515 754 923 889 806 699 602 507 415
 330 UI 329 269 223 185 153 129 106 85 71 53
 331 UI 38 27 13 0
 332 ZW A=WF INCLINE CR B=VILLAGE BL PT10 C=FLOW F=
 * *****

HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

333 KK W11RRRoute WF Incline to SR 28 at 3 fps
 334 RM 8 0.79 0.4
 * *****

335 KK W12WF Incline at SR 28
 336 BA 0.93
 337 BF 0 -.05 1.5
 338 PB 2.04
 339 IN 15
 340 PI 2 2 2 3 1 3 11 21 12 7
 341 PI 4 4 4 2 1 1 3 3 3 3
 342 PI 2 2 2 2
 343 IN 5
 344 LS 0 70.58
 * n=0.05
 345 UI 152 432 638 792 779 722 629 547 467 389
 346 UI 313 256 211 177 148 124 104 85 70 58
 347 UI 43 32 22 10 0
 348 ZW A=WF INCLINE CR B=SR28 LOCAL C=FLOW F=
 * *****

349 KK W12CCombine WF Incline at SR 28, Pt 11
 350 HC 2
 351 ZW A=WF INCLINE CR B=SR28 PT11 C=FLOW F=
 * *****

352 KK W12RRRoute WF Incline Cr to main at 3 fps
 353 RM 3 0.33 0.4
 * *****

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354 KK I1Incline Cr at Ski Way, pt 19
355 BA 4.2
356 BF 0 -.05 1.5
357 PB 3.56
358 IN 15
359 PI 2 2 2 3 1 3 11 21 12 7
360 PI 4 4 4 2 1 1 3 3 3 3
361 PI 2 2 2 2
362 IN 5
363 LS 0 66.58
* n=0.07
364 UI 144 432 720 938 1175 1336 1500 1649 1684 1640
365 UI 1597 1545 1443 1355 1276 1199 1121 1044 971 895
366 UI 822 752 676 606 557 513 463 428 398 363
367 UI 335 311 283 261 244 225 207 190 171 155
368 UI 144 133 121 107 91 80 69 61 52 42
369 UI 30 23 14 8 2 0
370 ZW A=INCLINE CR B=SKI WY PT19 C=FLOW F=

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371 KK I1RRoute Incline to SR 28 at 3 fps
372 RM 4 0.38 0.4
* *****

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1

HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

```

373 KK I2Incline Cr at SR 28
374 BA 0.25
375 BF 0 -.05 1.5
376 PB 1.5
377 IN 15
378 PI 2 2 2 3 1 3 11 21 12 7
379 PI 4 4 4 2 1 1 3 3 3 3
380 PI 2 2 2 2
381 IN 5
382 LS 0 79.59
* n=0.05
383 UI 160 391 406 316 229 151 103 72 50 33
384 UI 19 8 0
385 ZW A=INCLINE CR B=SR28 LOCAL C=FLOW F=

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386 KK I2CCombine Incline at SR 28, Pt 13
387 HC 2
388 ZW A=INCLINE CR B=SR28 PT13 C=FLOW F=

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389 KK I2RRoute Incline to mouth at 3 fps
390 RM 4 0.33 0.4
* *****

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391 KK I3Incline Cr at mouth
392 BA 0.26
393 BF 0 -.05 1.5
394 PB 1.38
395 IN 15
396 PI 2 2 2 2 3 8 11 20 5 5
397 PI 5 5 5 5 3 2 2 2 2 2
398 PI 2 2 2 1
399 IN 5
400 LS 0 83.34
* n=0.03
401 UI 270 563 459 304 179 111 69 40 17 0
402 ZW A=INCLINE CR B=MOUTH LOCAL C=FLOW F=

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403 KK I3CCombine Incline at mouth, Pt 14
404 HC 3
405 ZW A=INCLINE CR B=MOUTH PT14 C=FLOW F=

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* ZZ
* ID *****
* ID Mill Creek:
* ID Data is from 1991 FP Study
* ID 100 yr 3-hr cloudburst storm
* ID Note: 3 hr PMP at dam was 10.4" 9.8" excess
* ID PMF is 6000 cfs pk, 386 AF volume (time unknown)
* ID *****
* *FREE
* *DIAGRAM
* IT 5 01JAN99 0005 96
* IO 1 0 0

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HEC-1 INPUT

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

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406 KK M1Mill Cr above Res #2
407 KM There is no Res #1 upstream of #2
408 BA 1.26
409 BF 5 -.05 1.03
410 PB 3.04
411 IN 15
412 PI 2 2 2 3 1 3 11 21 12 7
413 PI 4 4 4 2 1 1 3 3 3 3
414 PI 2 2 2 2

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415      IN      5
416      LS      0 66.32
      * n=0.07
417      UI      265 741 1070 1230 1158 1000 856 716 581 452
418      UI      362 295 240 196 161 128 104 80 60 40
419      UI      19 0
420      ZW      A=MILL CR B=RES INFLOW C=FLOW F=
      * *****

421      KK      MRRRoute through Mill Cr #2 Res
422      KM      Route through Mill Cr #2 Res
423      KM      Spillway crest=6409', Dam crest=6414'
424      KM      8" Suction pipe outlet at 6400', assume 5 cfs capacity
425      KM      25AF storage subtracted from actual S/E curve
426      KM      to approximate operation
427      RS      1 STOR 0
428      SV      0 11 25 26.5 41 45 64
429      SQ      5 5 5 36 374 1487 16724
430      SE      6400 6405 6409 6410 6414 6415 6420
431      ZW      A=MILL CR B=RES OUTFLOW C=FLOW F=

432      KK      M1RRoute Mill to SR 28 at 3 fps
433      RM      1 0.09 0.4
      * *****

434      KK      M2Mill Cr btw dam and SR 28
435      BA      0.06
436      BF      0 -.05 1.5
437      PB      1.82
438      LS      0 74.12
      * n=0.05
439      UI      61 128 106 71 42 26 17 10 4 0
440      ZW      A=MILL CR B=SR28 LOCAL C=FLOW F=

441      KK      M2Cadd SR 28 local to Mill, Pt 15
442      HC      2
443      ZW      A=MILL CR B=SR28 PT15 C=FLOW F=

444      KK      M2RRRoute Mill to mouth at 3 fps
445      RM      1 0.09 0.4
      * *****

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HEC-1 INPUT

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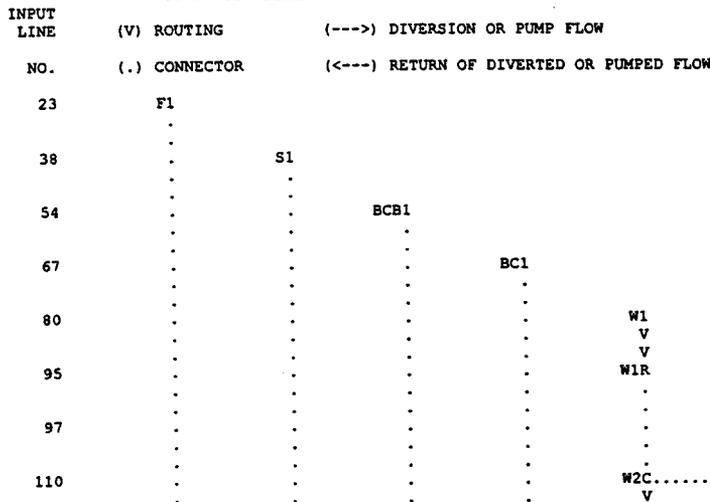
1
LINE      ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

446      KK      M3Mill Cr at mouth
447      BA      0.7
448      BF      0 -.05 1.5
449      PB      1.67
450      IN      15
451      PI      2 2 2 3 1 3 11 21 12 7
452      PI      4 4 4 2 1 1 3 3 3 3
453      PI      2 2 2 2
454      IN      5
455      LS      0 74.43
      * n=0.05
456      UI      315 809 1000 867 685 518 365 263 195 145
457      UI      105 76 47 24 12 0
458      ZW      A=MILL CR B=MOUTH LOCAL C=FLOW F=

459      KK      M3Cadd local at mouth to Mill Pt 16
460      HC      2
461      ZW      A=MILL CR B=MOUTH PT16 C=FLOW F=
462      ZZ

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SCHEMATIC DIAGRAM OF STREAM NETWORK



113	V				
	W2R				
115		W3		
		
127	W3C.....				
				
130			T1		
		
146			----->	OPDIV	
145	.	.	.	.	TD1				
	.	.	.	.	V				
	.	.	.	.	V				
150	.	.	.	.	T1R				
				
152	.	.	.	.				T2	
	
166	.	.	.	.	T2C.....				
				
170	.	.	.	.	----->			INDIV	
168	.	.	.	.	TD2				
	.	.	.	.	V				
	.	.	.	.	V				
174	.	.	.	.	T2R				
				
176	.	.	.	.				TD2R	
	.	.	.	.				V	
	.	.	.	.				V	
180	.	.	.	.				T2RB	
	
182	.	.	.	.				.	T3

194	.	.	.	.				T3C.....	
	.	.	.	.				V	
	.	.	.	.				V	
197	.	.	.	.				TRR	
	.	.	.	.				V	
	.	.	.	.				V	
207	.	.	.	.				TRR2	
	
209	.	.	.	.	TRRC.....				
				
211	.	.	.	.				T4	
	
226	.	.	.	.	T4C.....				
	.	.	.	.	V				
	.	.	.	.	V				
229	.	.	.	.	T4R				
				
231	.	.	.	.				T5	
	
244	.	.	.	.	T5C.....				
	.	.	.	.	V				
	.	.	.	.	V				
247	T5R				
				
249				T6	
	
262	T6C.....				
	V				
	V				
265	T6R				
				
267				WT1	
				V	
				V	
281				WT1R	
	
283	WT2

295				WT2C.....	
				V	
				V	
298				T2R	
	

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300      . . . . . T2C2.....
      . . . . . V
      . . . . . V
302      . . . . . WT6R2
      . . . . .
      . . . . . T7
304      . . . . .
      . . . . .
      . . . . . T7C.....
316      . . . . .
      . . . . .
      . . . . . WI1
319      . . . . . V
      . . . . . V
333      . . . . . WI1R
      . . . . .
      . . . . . WI2
335      . . . . .
      . . . . .
      . . . . . WI2C.....
349      . . . . . V
      . . . . . V
352      . . . . . WI2R
      . . . . .
      . . . . . I1
354      . . . . . V
      . . . . . V
371      . . . . . I1R
      . . . . .
      . . . . . I2
373      . . . . .
      . . . . .
      . . . . . I2C.....
386      . . . . . V
      . . . . . V
389      . . . . . I2R
      . . . . .
      . . . . . I3
391      . . . . .
      . . . . .
      . . . . . I3C.....
403      . . . . .
      . . . . .
      . . . . . M1
406      . . . . . V
      . . . . . V
421      . . . . . MRR
      . . . . . V
432      . . . . . M1R
      . . . . .
      . . . . . M2
434      . . . . .
      . . . . .
      . . . . . M2C.....
441      . . . . . V
      . . . . . V
444      . . . . . M2R
      . . . . .
      . . . . . M3
446      . . . . .
      . . . . .
      . . . . . M3C.....
459      . . . . .

```

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(***) RUNOFF ALSO COMPUTED AT THIS LOCATION
1*****
*
* FLOOD HYDROGRAPH PACKAGE (HEC-1)
* JUN 09 1992
* VERSION 4.0.3E
*
* RUN DATE 02/02/00 TIME 09:00:31
*
*****

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*****
*
* U.S. ARMY CORPS OF ENGINEERS
* HYDROLOGIC ENGINEERING CENTER
* 609 SECOND STREET
* DAVIS, CALIFORNIA 95616
* (916) 551-1748
*
*****

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Incline Village 6hr 100yr FPMS HEC-1 Model
This filename: INCL100r.DAT, 10/14/99
Removed all routings except within subareas
and those above Incline Lake
Model time reduced to 8 hrs.
3hr precip burst moved to after first hour.
Precip ratioed from freq curve and NAP map.
Creek locations in model from west to east

```

Numbers in DSS path refer to hydraulic analysis pts
 5 min UHG, LAUHG, sgr47.dat Truckee Mdws avg mtn ws
 Curve numbers lumped to subareas
 Muskingum steps chosen as minimum value
 to make model stable at X = 0.4 using
 equation on pg A-66 in HEC-1 manual
 Modified Puls routing for Mill Cr reservoir
 reported as possibly unstable by program.

 First Creek

22 IO OUTPUT CONTROL VARIABLES
 IPRNT 1 PRINT CONTROL
 IPLOT 0 PLOT CONTROL
 QSCAL 0. HYDROGRAPH PLOT SCALE

IT HYDROGRAPH TIME DATA
 NMIN 5 MINUTES IN COMPUTATION INTERVAL
 IDATE 1JAN99 STARTING DATE
 ITIME 0005 STARTING TIME
 NQ 96 NUMBER OF HYDROGRAPH ORDINATES
 NDDATE 1JAN99 ENDING DATE
 NDTIME 0800 ENDING TIME
 ICENT 19 CENTURY MARK

 COMPUTATION INTERVAL 0.08 HOURS
 TOTAL TIME BASE 7.92 HOURS

ENGLISH UNITS
 DRAINAGE AREA SQUARE MILES
 PRECIPITATION DEPTH INCHES
 LENGTH, ELEVATION FEET
 FLOW CUBIC FEET PER SECOND
 STORAGE VOLUME ACRE-FEET
 SURFACE AREA ACRES
 TEMPERATURE DEGREES FAHRENHEIT

23 KK *****
 * F1 First Cr at mouth, Pt 1
 * * *

27 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 15 TIME INTERVAL IN MINUTES
 JXDATE 1JAN99 STARTING DATE
 JXTIME 5 STARTING TIME

SUBBASIN RUNOFF DATA

24 BA SUBBASIN CHARACTERISTICS
 TAREA 1.72 SUBBASIN AREA

25 BF BASE FLOW CHARACTERISTICS
 STRTO 0.00 INITIAL FLOW
 QRCSN -0.05 BEGIN BASE FLOW RECESSION
 RTIOR 1.50000 RECESSION CONSTANT

PRECIPITATION DATA

26 PB STORM 3.19 BASIN TOTAL PRECIPITATION

28 PI INCREMENTAL PRECIPITATION PATTERN

0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1.00
1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	3.67	3.67	3.67
3.67	7.00	7.00	7.00	4.00	4.00	4.00	2.33	2.33	2.33	2.33
1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	0.67
0.67	0.67	0.33	0.33	0.33	0.33	0.33	0.33	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67									

32 LS SCS LOSS RATE
 STRTL 1.07 INITIAL ABSTRACTION
 CRVNR 65.14 CURVE NUMBER
 RTIMP 0.00 PERCENT IMPERVIOUS AREA

33 UI INPUT UNITGRAPH, 37 ORDINATES, VOLUME = 1.00

121.0	364.0	566.0	744.0	863.0	984.0	955.0	932.0	867.0	790.0
724.0	659.0	595.0	532.0	470.0	409.0	351.0	312.0	272.0	243.0
215.0	192.0	170.0	151.0	136.0	121.0	106.0	92.0	82.0	69.0
60.0	48.0	40.0	31.0	20.0	12.0	4.0			

HYDROGRAPH AT STATION F1

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	0005	1	0.00	0.00	0.00	0.	*	1	JAN	0405	49	0.01	0.01	0.00	134.
1	JAN	0010	2	0.02	0.02	0.00	0.	*	1	JAN	0410	50	0.03	0.02	0.01	127.
1	JAN	0015	3	0.02	0.02	0.00	0.	*	1	JAN	0415	51	0.03	0.02	0.01	122.
1	JAN	0020	4	0.02	0.02	0.00	0.	*	1	JAN	0420	52	0.03	0.02	0.01	120.
1	JAN	0025	5	0.02	0.02	0.00	0.	*	1	JAN	0425	53	0.03	0.02	0.01	120.
1	JAN	0030	6	0.02	0.02	0.00	0.	*	1	JAN	0430	54	0.03	0.02	0.01	122.
1	JAN	0035	7	0.02	0.02	0.00	0.	*	1	JAN	0435	55	0.03	0.02	0.01	126.
1	JAN	0040	8	0.02	0.02	0.00	0.	*	1	JAN	0440	56	0.03	0.02	0.01	129.
1	JAN	0045	9	0.02	0.02	0.00	0.	*	1	JAN	0445	57	0.03	0.02	0.01	134.
1	JAN	0050	10	0.02	0.02	0.00	0.	*	1	JAN	0450	58	0.03	0.02	0.01	138.
1	JAN	0055	11	0.03	0.03	0.00	0.	*	1	JAN	0455	59	0.03	0.02	0.01	142.
1	JAN	0100	12	0.03	0.03	0.00	0.	*	1	JAN	0500	60	0.03	0.02	0.01	147.
1	JAN	0105	13	0.03	0.03	0.00	0.	*	1	JAN	0505	61	0.03	0.02	0.01	150.
1	JAN	0110	14	0.01	0.01	0.00	0.	*	1	JAN	0510	62	0.02	0.01	0.01	154.
1	JAN	0115	15	0.01	0.01	0.00	0.	*	1	JAN	0515	63	0.02	0.01	0.01	156.
1	JAN	0120	16	0.01	0.01	0.00	0.	*	1	JAN	0520	64	0.02	0.01	0.01	156.
1	JAN	0125	17	0.03	0.03	0.00	0.	*	1	JAN	0525	65	0.02	0.01	0.01	156.
1	JAN	0130	18	0.03	0.03	0.00	0.	*	1	JAN	0530	66	0.02	0.01	0.01	155.
1	JAN	0135	19	0.03	0.03	0.00	0.	*	1	JAN	0535	67	0.02	0.01	0.01	153.
1	JAN	0140	20	0.12	0.12	0.00	0.	*	1	JAN	0540	68	0.02	0.01	0.01	151.
1	JAN	0145	21	0.12	0.12	0.00	0.	*	1	JAN	0545	69	0.02	0.01	0.01	149.
1	JAN	0150	22	0.12	0.12	0.00	0.	*	1	JAN	0550	70	0.02	0.01	0.01	147.
1	JAN	0155	23	0.22	0.22	0.00	0.	*	1	JAN	0555	71	0.02	0.01	0.01	146.
1	JAN	0200	24	0.22	0.22	0.00	0.	*	1	JAN	0600	72	0.02	0.01	0.01	144.
1	JAN	0205	25	0.22	0.20	0.02	4.	*	1	JAN	0605	73	0.02	0.01	0.01	143.
1	JAN	0210	26	0.13	0.11	0.02	11.	*	1	JAN	0610	74	0.00	0.00	0.00	141.
1	JAN	0215	27	0.13	0.10	0.02	23.	*	1	JAN	0615	75	0.00	0.00	0.00	136.
1	JAN	0220	28	0.13	0.10	0.03	40.	*	1	JAN	0620	76	0.00	0.00	0.00	130.
1	JAN	0225	29	0.07	0.06	0.02	59.	*	1	JAN	0625	77	0.00	0.00	0.00	122.
1	JAN	0230	30	0.07	0.06	0.02	80.	*	1	JAN	0630	78	0.00	0.00	0.00	113.
1	JAN	0235	31	0.07	0.05	0.02	100.	*	1	JAN	0635	79	0.00	0.00	0.00	102.
1	JAN	0240	32	0.04	0.03	0.01	118.	*	1	JAN	0640	80	0.00	0.00	0.00	92.
1	JAN	0245	33	0.04	0.03	0.01	133.	*	1	JAN	0645	81	0.00	0.00	0.00	83.
1	JAN	0250	34	0.04	0.03	0.01	144.	*	1	JAN	0650	82	0.00	0.00	0.00	74.
1	JAN	0255	35	0.04	0.03	0.01	153.	*	1	JAN	0655	83	0.00	0.00	0.00	65.
1	JAN	0300	36	0.04	0.03	0.01	159.	*	1	JAN	0700	84	0.00	0.00	0.00	58.
1	JAN	0305	37	0.04	0.03	0.01	164.	*	1	JAN	0705	85	0.00	0.00	0.00	51.
1	JAN	0310	38	0.04	0.03	0.01	168.	*	1	JAN	0710	86	0.00	0.00	0.00	44.
1	JAN	0315	39	0.04	0.03	0.01	171.	*	1	JAN	0715	87	0.00	0.00	0.00	38.
1	JAN	0320	40	0.04	0.03	0.02	174.	*	1	JAN	0720	88	0.00	0.00	0.00	33.
1	JAN	0325	41	0.02	0.01	0.01	176.	*	1	JAN	0725	89	0.00	0.00	0.00	29.
1	JAN	0330	42	0.02	0.01	0.01	176.	*	1	JAN	0730	90	0.00	0.00	0.00	25.
1	JAN	0335	43	0.02	0.01	0.01	174.	*	1	JAN	0735	91	0.00	0.00	0.00	22.
1	JAN	0340	44	0.01	0.01	0.00	171.	*	1	JAN	0740	92	0.00	0.00	0.00	19.
1	JAN	0345	45	0.01	0.01	0.00	165.	*	1	JAN	0745	93	0.00	0.00	0.00	16.
1	JAN	0350	46	0.01	0.01	0.00	158.	*	1	JAN	0750	94	0.00	0.00	0.00	14.
1	JAN	0355	47	0.01	0.01	0.00	150.	*	1	JAN	0755	95	0.00	0.00	0.00	12.
1	JAN	0400	48	0.01	0.01	0.00	142.	*	1	JAN	0800	96	0.00	0.00	0.00	10.

TOTAL RAINFALL = 3.19, TOTAL LOSS = 2.59, TOTAL EXCESS = 0.60

PEAK FLOW	TIME	6-HR	24-HR	72-HR	7.92-HR
(CFS)	(HR)	(CFS)	(CFS)	(CFS)	(CFS)
176.	3.33	111.	84.	84.	84.
		(INCHES)	0.597	0.597	0.597
		(AC-FT)	55.	55.	55.

CUMULATIVE AREA = 1.72 SQ MI

-----DSS---ZOPEN: Existing File Opened, File: INCL100R.DSS
Unit: 71; DSS Version: 6-JC

-----DSS---ZWRITE Unit 71; Vers. 2: /FIRST CR/MOUTH PT1/FLOW/01JAN1999/5MIN//

38 KK *****
* S1 * Second Cr at mouth, Pt 2

42 IN TIME DATA FOR INPUT TIME SERIES
JXMIN 15 TIME INTERVAL IN MINUTES
JXDATE 1JAN99 STARTING DATE
JXTIME 5 STARTING TIME

SUBBASIN RUNOFF DATA

39 BA SUBBASIN CHARACTERISTICS
TAREA 1.73 SUBBASIN AREA

40 BF BASE FLOW CHARACTERISTICS
STRTQ 0.00 INITIAL FLOW

QRCSN -0.05 BEGIN BASE FLOW RECESSON
 RTIOR 1.50000 RECESSON CONSTANT

PRECIPITATION DATA

41 PB STORM 3.27 BASIN TOTAL PRECIPITATION

43 PI INCREMENTAL PRECIPITATION PATTERN

0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1.00
1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	3.67	3.67	3.67
3.67	7.00	7.00	7.00	4.00	4.00	4.00	2.33	2.33	2.33	3.67
1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	0.67
0.67	0.67	0.33	0.33	0.33	0.33	0.33	0.33	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67									

47 LS SCS LOSS RATE
 STRTL 0.87 INITIAL ABSTRACTION
 CRVNR 69.79 CURVE NUMBER
 RTIMP 0.00 PERCENT IMPERVIOUS AREA

48 UI INPUT UNITGRAPH, 41 ORDINATES, VOLUME = 1.00

99.0	297.0	470.0	626.0	728.0	845.0	896.0	870.0	839.0	781.0
718.0	664.0	611.0	558.0	507.0	456.0	407.0	356.0	311.0	281.0
247.0	224.0	201.0	180.0	163.0	145.0	133.0	120.0	107.0	95.0
83.0	76.0	68.0	59.0	48.0	42.0	34.0	26.0	17.0	11.0
5.0									

HYDROGRAPH AT STATION S1

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	0005	1	0.00	0.00	0.00	0.	1	JAN	0405	49	0.01	0.01	0.01	198.
1	JAN	0010	2	0.02	0.02	0.00	0.	1	JAN	0410	50	0.03	0.02	0.02	188.
1	JAN	0015	3	0.02	0.02	0.00	0.	1	JAN	0415	51	0.03	0.02	0.02	181.
1	JAN	0020	4	0.02	0.02	0.00	0.	1	JAN	0420	52	0.03	0.02	0.02	176.
1	JAN	0025	5	0.02	0.02	0.00	0.	1	JAN	0425	53	0.03	0.02	0.02	173.
1	JAN	0030	6	0.02	0.02	0.00	0.	1	JAN	0430	54	0.03	0.02	0.02	173.
1	JAN	0035	7	0.02	0.02	0.00	0.	1	JAN	0435	55	0.03	0.02	0.02	175.
1	JAN	0040	8	0.02	0.02	0.00	0.	1	JAN	0440	56	0.03	0.02	0.02	178.
1	JAN	0045	9	0.02	0.02	0.00	0.	1	JAN	0445	57	0.03	0.02	0.02	182.
1	JAN	0050	10	0.02	0.02	0.00	0.	1	JAN	0450	58	0.03	0.02	0.02	186.
1	JAN	0055	11	0.03	0.03	0.00	0.	1	JAN	0455	59	0.03	0.02	0.02	190.
1	JAN	0100	12	0.03	0.03	0.00	0.	1	JAN	0500	60	0.03	0.01	0.02	194.
1	JAN	0105	13	0.03	0.03	0.00	0.	1	JAN	0505	61	0.03	0.01	0.02	198.
1	JAN	0110	14	0.01	0.01	0.00	0.	1	JAN	0510	62	0.02	0.01	0.01	201.
1	JAN	0115	15	0.01	0.01	0.00	0.	1	JAN	0515	63	0.02	0.01	0.01	203.
1	JAN	0120	16	0.01	0.01	0.00	0.	1	JAN	0520	64	0.02	0.01	0.01	203.
1	JAN	0125	17	0.03	0.03	0.00	0.	1	JAN	0525	65	0.02	0.01	0.01	202.
1	JAN	0130	18	0.03	0.03	0.00	0.	1	JAN	0530	66	0.02	0.01	0.01	201.
1	JAN	0135	19	0.03	0.03	0.00	0.	1	JAN	0535	67	0.02	0.01	0.01	198.
1	JAN	0140	20	0.12	0.12	0.00	0.	1	JAN	0540	68	0.02	0.01	0.01	195.
1	JAN	0145	21	0.12	0.12	0.00	0.	1	JAN	0545	69	0.02	0.01	0.01	193.
1	JAN	0150	22	0.12	0.12	0.00	0.	1	JAN	0550	70	0.02	0.01	0.01	190.
1	JAN	0155	23	0.23	0.22	0.00	0.	1	JAN	0555	71	0.02	0.01	0.01	187.
1	JAN	0200	24	0.23	0.20	0.03	4.	1	JAN	0600	72	0.02	0.01	0.01	185.
1	JAN	0205	25	0.23	0.18	0.04	14.	1	JAN	0605	73	0.02	0.01	0.01	183.
1	JAN	0210	26	0.13	0.10	0.03	31.	1	JAN	0610	74	0.00	0.00	0.00	180.
1	JAN	0215	27	0.13	0.09	0.04	54.	1	JAN	0615	75	0.00	0.00	0.00	175.
1	JAN	0220	28	0.13	0.09	0.04	81.	1	JAN	0620	76	0.00	0.00	0.00	168.
1	JAN	0225	29	0.08	0.05	0.03	111.	1	JAN	0625	77	0.00	0.00	0.00	159.
1	JAN	0230	30	0.08	0.05	0.03	142.	1	JAN	0630	78	0.00	0.00	0.00	148.
1	JAN	0235	31	0.08	0.05	0.03	171.	1	JAN	0635	79	0.00	0.00	0.00	137.
1	JAN	0240	32	0.04	0.03	0.02	196.	1	JAN	0640	80	0.00	0.00	0.00	125.
1	JAN	0245	33	0.04	0.03	0.02	216.	1	JAN	0645	81	0.00	0.00	0.00	114.
1	JAN	0250	34	0.04	0.03	0.02	230.	1	JAN	0650	82	0.00	0.00	0.00	103.
1	JAN	0255	35	0.04	0.03	0.02	241.	1	JAN	0655	83	0.00	0.00	0.00	93.
1	JAN	0300	36	0.04	0.02	0.02	249.	1	JAN	0700	84	0.00	0.00	0.00	83.
1	JAN	0305	37	0.04	0.02	0.02	254.	1	JAN	0705	85	0.00	0.00	0.00	75.
1	JAN	0310	38	0.04	0.02	0.02	257.	1	JAN	0710	86	0.00	0.00	0.00	67.
1	JAN	0315	39	0.04	0.02	0.02	259.	1	JAN	0715	87	0.00	0.00	0.00	59.
1	JAN	0320	40	0.04	0.02	0.02	261.	1	JAN	0720	88	0.00	0.00	0.00	52.
1	JAN	0325	41	0.02	0.01	0.01	262.	1	JAN	0725	89	0.00	0.00	0.00	46.
1	JAN	0330	42	0.02	0.01	0.01	260.	1	JAN	0730	90	0.00	0.00	0.00	41.
1	JAN	0335	43	0.02	0.01	0.01	256.	1	JAN	0735	91	0.00	0.00	0.00	36.
1	JAN	0340	44	0.01	0.01	0.01	250.	1	JAN	0740	92	0.00	0.00	0.00	32.
1	JAN	0345	45	0.01	0.01	0.01	242.	1	JAN	0745	93	0.00	0.00	0.00	28.
1	JAN	0350	46	0.01	0.01	0.01	232.	1	JAN	0750	94	0.00	0.00	0.00	24.
1	JAN	0355	47	0.01	0.01	0.01	221.	1	JAN	0755	95	0.00	0.00	0.00	21.
1	JAN	0400	48	0.01	0.01	0.01	210.	1	JAN	0800	96	0.00	0.00	0.00	18.

TOTAL RAINFALL = 3.27, TOTAL LOSS = 2.41, TOTAL EXCESS = 0.86

PEAK FLOW TIME MAXIMUM AVERAGE FLOW
 + (CFS) (HR) 6-HR 24-HR 72-HR 7.92-HR

(CFS)
 + 262. 3.33 158. 120. 120. 120.
 (INCHES) 0.851 0.851 0.851 0.851
 (AC-FT) 79. 79. 79. 79.

CUMULATIVE AREA = 1.73 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 2: /SECOND CR/MOUTH PT2/FLOW/01JAN1999/5MIN//

 * *
 54 KK BCB1 * Burnt Cedar Beach Cr at mouth, pt 20
 * *

58 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 15 TIME INTERVAL IN MINUTES
 JKDATE 1JAN99 STARTING DATE
 JKTIME 5 STARTING TIME

SUBBASIN RUNOFF DATA

55 BA SUBBASIN CHARACTERISTICS
 TAREA 0.43 SUBBASIN AREA

56 BF BASE FLOW CHARACTERISTICS
 STRTQ 0.00 INITIAL FLOW
 QRCSN -0.05 BEGIN BASE FLOW RECESSION
 RTIOR 1.50000 RECESSION CONSTANT

PRECIPITATION DATA

57 PB STORM 2.43 BASIN TOTAL PRECIPITATION

59 PI INCREMENTAL PRECIPITATION PATTERN
 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 1.00
 1.00 1.00 0.33 0.33 0.33 1.00 1.00 1.00 3.67 3.67
 3.67 7.00 7.00 7.00 4.00 4.00 4.00 2.33 2.33 2.33
 1.33 1.33 1.33 1.33 1.33 1.33 1.33 1.33 1.33 0.67
 0.67 0.67 0.33 0.33 0.33 0.33 0.33 0.33 1.00 1.00
 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67
 0.67 0.67

63 LS SCS LOSS RATE
 STRTL 0.69 INITIAL ABSTRACTION
 CRVNBR 74.31 CURVE NUMBER
 RTIMP 0.00 PERCENT IMPERVIOUS AREA

64 UI INPUT UNITGRAPH, 15 ORDINATES, VOLUME = 1.00
 188.0 485.0 606.0 531.0 422.0 321.0 228.0 165.0 123.0 91.0
 67.0 49.0 31.0 18.0 5.0

HYDROGRAPH AT STATION BCB1

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	0005	1	0.00	0.00	0.00	0.	*	1	JAN	0405	49	0.01	0.00	0.00	17.
1	JAN	0010	2	0.02	0.02	0.00	0.	*	1	JAN	0410	50	0.02	0.01	0.01	17.
1	JAN	0015	3	0.02	0.02	0.00	0.	*	1	JAN	0415	51	0.02	0.01	0.01	19.
1	JAN	0020	4	0.02	0.02	0.00	0.	*	1	JAN	0420	52	0.02	0.01	0.01	23.
1	JAN	0025	5	0.02	0.02	0.00	0.	*	1	JAN	0425	53	0.02	0.01	0.01	27.
1	JAN	0030	6	0.02	0.02	0.00	0.	*	1	JAN	0430	54	0.02	0.01	0.01	30.
1	JAN	0035	7	0.02	0.02	0.00	0.	*	1	JAN	0435	55	0.02	0.01	0.01	33.
1	JAN	0040	8	0.02	0.02	0.00	0.	*	1	JAN	0440	56	0.02	0.01	0.01	35.
1	JAN	0045	9	0.02	0.02	0.00	0.	*	1	JAN	0445	57	0.02	0.01	0.01	36.
1	JAN	0050	10	0.02	0.02	0.00	0.	*	1	JAN	0450	58	0.02	0.01	0.01	37.
1	JAN	0055	11	0.02	0.02	0.00	0.	*	1	JAN	0455	59	0.02	0.01	0.01	38.
1	JAN	0100	12	0.02	0.02	0.00	0.	*	1	JAN	0500	60	0.02	0.01	0.01	39.
1	JAN	0105	13	0.02	0.02	0.00	0.	*	1	JAN	0505	61	0.02	0.01	0.01	40.
1	JAN	0110	14	0.01	0.01	0.00	0.	*	1	JAN	0510	62	0.02	0.01	0.01	40.
1	JAN	0115	15	0.01	0.01	0.00	0.	*	1	JAN	0515	63	0.02	0.01	0.01	38.
1	JAN	0120	16	0.01	0.01	0.00	0.	*	1	JAN	0520	64	0.02	0.01	0.01	36.
1	JAN	0125	17	0.02	0.02	0.00	0.	*	1	JAN	0525	65	0.02	0.01	0.01	34.
1	JAN	0130	18	0.02	0.02	0.00	0.	*	1	JAN	0530	66	0.02	0.01	0.01	33.
1	JAN	0135	19	0.02	0.02	0.00	0.	*	1	JAN	0535	67	0.02	0.01	0.01	32.
1	JAN	0140	20	0.09	0.09	0.00	0.	*	1	JAN	0540	68	0.02	0.01	0.01	31.
1	JAN	0145	21	0.09	0.09	0.00	0.	*	1	JAN	0545	69	0.02	0.01	0.01	30.
1	JAN	0150	22	0.09	0.09	0.00	0.	*	1	JAN	0550	70	0.02	0.01	0.01	30.
1	JAN	0155	23	0.17	0.17	0.00	0.	*	1	JAN	0555	71	0.02	0.01	0.01	30.
1	JAN	0200	24	0.17	0.16	0.01	3.	*	1	JAN	0600	72	0.02	0.01	0.01	30.
1	JAN	0205	25	0.17	0.14	0.03	12.	*	1	JAN	0605	73	0.02	0.01	0.01	30.
1	JAN	0210	26	0.10	0.08	0.02	26.	*	1	JAN	0610	74	0.00	0.00	0.00	28.
1	JAN	0215	27	0.10	0.07	0.02	39.	*	1	JAN	0615	75	0.00	0.00	0.00	24.

1 JAN 0220	28	0.10	0.07	0.03	51.	*	1 JAN 0620	76	0.00	0.00	0.00	18.
1 JAN 0225	29	0.06	0.04	0.02	59.	*	1 JAN 0625	77	0.00	0.00	0.00	14.
1 JAN 0230	30	0.06	0.04	0.02	63.	*	1 JAN 0630	78	0.00	0.00	0.00	10.
1 JAN 0235	31	0.06	0.04	0.02	65.	*	1 JAN 0635	79	0.00	0.00	0.00	7.
1 JAN 0240	32	0.03	0.02	0.01	64.	*	1 JAN 0640	80	0.00	0.00	0.00	5.
1 JAN 0245	33	0.03	0.02	0.01	61.	*	1 JAN 0645	81	0.00	0.00	0.00	3.
1 JAN 0250	34	0.03	0.02	0.01	56.	*	1 JAN 0650	82	0.00	0.00	0.00	3.
1 JAN 0255	35	0.03	0.02	0.01	53.	*	1 JAN 0655	83	0.00	0.00	0.00	3.
1 JAN 0300	36	0.03	0.02	0.01	50.	*	1 JAN 0700	84	0.00	0.00	0.00	3.
1 JAN 0305	37	0.03	0.02	0.01	48.	*	1 JAN 0705	85	0.00	0.00	0.00	3.
1 JAN 0310	38	0.03	0.02	0.01	47.	*	1 JAN 0710	86	0.00	0.00	0.00	3.
1 JAN 0315	39	0.03	0.02	0.01	46.	*	1 JAN 0715	87	0.00	0.00	0.00	3.
1 JAN 0320	40	0.03	0.02	0.01	46.	*	1 JAN 0720	88	0.00	0.00	0.00	3.
1 JAN 0325	41	0.02	0.01	0.01	44.	*	1 JAN 0725	89	0.00	0.00	0.00	2.
1 JAN 0330	42	0.02	0.01	0.01	41.	*	1 JAN 0730	90	0.00	0.00	0.00	2.
1 JAN 0335	43	0.02	0.01	0.01	37.	*	1 JAN 0735	91	0.00	0.00	0.00	2.
1 JAN 0340	44	0.01	0.00	0.00	33.	*	1 JAN 0740	92	0.00	0.00	0.00	2.
1 JAN 0345	45	0.01	0.00	0.00	29.	*	1 JAN 0745	93	0.00	0.00	0.00	2.
1 JAN 0350	46	0.01	0.00	0.00	24.	*	1 JAN 0750	94	0.00	0.00	0.00	2.
1 JAN 0355	47	0.01	0.00	0.00	21.	*	1 JAN 0755	95	0.00	0.00	0.00	2.
1 JAN 0400	48	0.01	0.00	0.00	19.	*	1 JAN 0800	96	0.00	0.00	0.00	2.

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TOTAL RAINFALL = 2.43, TOTAL LOSS = 1.85, TOTAL EXCESS = 0.58

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW				
(CFS)	(HR)	6-HR	24-HR	72-HR	7.92-HR	
65.	2.50	27.	21.	21.	21.	
		(INCHES)	0.591	0.591	0.591	0.591
		(AC-FT)	14.	14.	14.	14.

CUMULATIVE AREA = 0.43 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 2: /BNT CDR BCH CR/MOUTH PT20/FLOW/01JAN1999/5MIN//

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67 KK * BC1 * Burnt Cedar Cr at mouth, Pt 3
* *

71 IN TIME DATA FOR INPUT TIME SERIES
JKMIN 15 TIME INTERVAL IN MINUTES
JKDATE 1JAN99 STARTING DATE
JKTIME 5 STARTING TIME

SUBBASIN RUNOFF DATA

68 BA SUBBASIN CHARACTERISTICS
TAREA 0.27 SUBBASIN AREA

69 BF BASE FLOW CHARACTERISTICS
STRTO 0.00 INITIAL FLOW
QRCSN -0.05 BEGIN BASE FLOW RECESSION
RTIOR 1.50000 RECESSION CONSTANT

PRECIPITATION DATA

70 PB STORM 2.21 BASIN TOTAL PRECIPITATION

72 PI INCREMENTAL PRECIPITATION PATTERN

0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1.00
1.00	1.00	0.33	0.33	0.33	0.33	1.00	1.00	1.00	3.67	3.67
3.67	7.00	7.00	7.00	4.00	4.00	4.00	4.00	2.33	2.33	2.33
1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	0.67
0.67	0.67	0.33	0.33	0.33	0.33	0.33	0.33	0.33	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67									

76 LS SCS LOSS RATE
STRTL 0.51 INITIAL ABSTRACTION
CRVNBR 79.74 CURVE NUMBER
RTIMP 0.00 PERCENT IMPERVIOUS AREA

77 UI INPUT UNITGRAPH, 15 ORDINATES, VOLUME = 1.00
114.0 295.0 374.0 332.0 265.0 204.0 147.0 106.0 79.0 59.0
44.0 32.0 22.0 13.0 4.0

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HYDROGRAPH AT STATION BC1

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	0005	1	0.00	0.00	0.00	0.	*	1	JAN	0405	49	0.01	0.00	0.00	12.
1	JAN	0010	2	0.01	0.01	0.00	0.	*	1	JAN	0410	50	0.02	0.01	0.01	12.
1	JAN	0015	3	0.01	0.01	0.00	0.	*	1	JAN	0415	51	0.02	0.01	0.01	13.
1	JAN	0020	4	0.01	0.01	0.00	0.	*	1	JAN	0420	52	0.02	0.01	0.01	16.
1	JAN	0025	5	0.01	0.01	0.00	0.	*	1	JAN	0425	53	0.02	0.01	0.01	18.
1	JAN	0030	6	0.01	0.01	0.00	0.	*	1	JAN	0430	54	0.02	0.01	0.01	20.
1	JAN	0035	7	0.01	0.01	0.00	0.	*	1	JAN	0435	55	0.02	0.01	0.01	22.
1	JAN	0040	8	0.01	0.01	0.00	0.	*	1	JAN	0440	56	0.02	0.01	0.01	23.
1	JAN	0045	9	0.01	0.01	0.00	0.	*	1	JAN	0445	57	0.02	0.01	0.01	24.
1	JAN	0050	10	0.01	0.01	0.00	0.	*	1	JAN	0450	58	0.02	0.01	0.01	25.
1	JAN	0055	11	0.02	0.02	0.00	0.	*	1	JAN	0455	59	0.02	0.01	0.01	26.
1	JAN	0100	12	0.02	0.02	0.00	0.	*	1	JAN	0500	60	0.02	0.01	0.01	26.
1	JAN	0105	13	0.02	0.02	0.00	0.	*	1	JAN	0505	61	0.02	0.01	0.01	27.
1	JAN	0110	14	0.01	0.01	0.00	0.	*	1	JAN	0510	62	0.01	0.01	0.01	27.
1	JAN	0115	15	0.01	0.01	0.00	0.	*	1	JAN	0515	63	0.01	0.01	0.01	26.
1	JAN	0120	16	0.01	0.01	0.00	0.	*	1	JAN	0520	64	0.01	0.01	0.01	24.
1	JAN	0125	17	0.02	0.02	0.00	0.	*	1	JAN	0525	65	0.01	0.01	0.01	23.
1	JAN	0130	18	0.02	0.02	0.00	0.	*	1	JAN	0530	66	0.01	0.01	0.01	22.
1	JAN	0135	19	0.02	0.02	0.00	0.	*	1	JAN	0535	67	0.01	0.01	0.01	21.
1	JAN	0140	20	0.08	0.08	0.00	0.	*	1	JAN	0540	68	0.01	0.01	0.01	21.
1	JAN	0145	21	0.08	0.08	0.00	0.	*	1	JAN	0545	69	0.01	0.01	0.01	20.
1	JAN	0150	22	0.08	0.08	0.00	0.	*	1	JAN	0550	70	0.01	0.01	0.01	20.
1	JAN	0155	23	0.15	0.14	0.01	1.	*	1	JAN	0555	71	0.01	0.01	0.01	20.
1	JAN	0200	24	0.15	0.13	0.03	6.	*	1	JAN	0600	72	0.01	0.01	0.01	20.
1	JAN	0205	25	0.15	0.11	0.04	17.	*	1	JAN	0605	73	0.01	0.01	0.01	20.
1	JAN	0210	26	0.09	0.06	0.03	29.	*	1	JAN	0610	74	0.00	0.00	0.00	18.
1	JAN	0215	27	0.09	0.06	0.03	39.	*	1	JAN	0615	75	0.00	0.00	0.00	16.
1	JAN	0220	28	0.09	0.05	0.03	46.	*	1	JAN	0620	76	0.00	0.00	0.00	12.
1	JAN	0225	29	0.05	0.03	0.02	51.	*	1	JAN	0625	77	0.00	0.00	0.00	9.
1	JAN	0230	30	0.05	0.03	0.02	53.	*	1	JAN	0630	78	0.00	0.00	0.00	7.
1	JAN	0235	31	0.05	0.03	0.02	52.	*	1	JAN	0635	79	0.00	0.00	0.00	5.
1	JAN	0240	32	0.03	0.02	0.01	50.	*	1	JAN	0640	80	0.00	0.00	0.00	3.
1	JAN	0245	33	0.03	0.02	0.01	47.	*	1	JAN	0645	81	0.00	0.00	0.00	3.
1	JAN	0250	34	0.03	0.02	0.01	43.	*	1	JAN	0650	82	0.00	0.00	0.00	3.
1	JAN	0255	35	0.03	0.02	0.01	40.	*	1	JAN	0655	83	0.00	0.00	0.00	2.
1	JAN	0300	36	0.03	0.01	0.01	37.	*	1	JAN	0700	84	0.00	0.00	0.00	2.
1	JAN	0305	37	0.03	0.01	0.01	36.	*	1	JAN	0705	85	0.00	0.00	0.00	2.
1	JAN	0310	38	0.03	0.01	0.02	34.	*	1	JAN	0710	86	0.00	0.00	0.00	2.
1	JAN	0315	39	0.03	0.01	0.02	33.	*	1	JAN	0715	87	0.00	0.00	0.00	2.
1	JAN	0320	40	0.03	0.01	0.02	33.	*	1	JAN	0720	88	0.00	0.00	0.00	2.
1	JAN	0325	41	0.01	0.01	0.01	31.	*	1	JAN	0725	89	0.00	0.00	0.00	2.
1	JAN	0330	42	0.01	0.01	0.01	29.	*	1	JAN	0730	90	0.00	0.00	0.00	2.
1	JAN	0335	43	0.01	0.01	0.01	26.	*	1	JAN	0735	91	0.00	0.00	0.00	2.
1	JAN	0340	44	0.01	0.00	0.00	23.	*	1	JAN	0740	92	0.00	0.00	0.00	2.
1	JAN	0345	45	0.01	0.00	0.00	20.	*	1	JAN	0745	93	0.00	0.00	0.00	2.
1	JAN	0350	46	0.01	0.00	0.00	17.	*	1	JAN	0750	94	0.00	0.00	0.00	2.
1	JAN	0355	47	0.01	0.00	0.00	15.	*	1	JAN	0755	95	0.00	0.00	0.00	2.
1	JAN	0400	48	0.01	0.00	0.00	13.	*	1	JAN	0800	96	0.00	0.00	0.00	2.

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TOTAL RAINFALL = 2.21, TOTAL LOSS = 1.53, TOTAL EXCESS = 0.68

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	7.92-HR
53.	2.42	20.	15.	15.	15.
		0.694	0.695	0.695	0.695
		(INCHES)			
		(AC-FT)	10.	10.	10.

CUMULATIVE AREA = 0.27 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 2: /BURNT CEDAR CR/MOUTH PT3/FLOW/01JAN1999/SMIN//

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80 KK * W1 * Wood Cr at SR 431, Pt 17
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84 IN TIME DATA FOR INPUT TIME SERIES
      JXMIN 15 TIME INTERVAL IN MINUTES
      JKDATE 1JAN99 STARTING DATE
      JKTIME 5 STARTING TIME

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SUBBASIN RUNOFF DATA

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81 BA SUBBASIN CHARACTERISTICS
      TAREA 1.70 SUBBASIN AREA

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82 BF BASE FLOW CHARACTERISTICS
      STRIQ 0.00 INITIAL FLOW
      QRCSN -0.05 BEGIN BASE FLOW RECESSION
      RTIOR 1.50000 RECESSION CONSTANT

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PRECIPITATION DATA

83 PB STORM 3.84 BASIN TOTAL PRECIPITATION

85 PI INCREMENTAL PRECIPITATION PATTERN

0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1.00
1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	3.67	3.67
3.67	7.00	7.00	7.00	4.00	4.00	4.00	2.33	2.33	2.33
1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	0.67
0.67	0.67	0.33	0.33	0.33	0.33	0.33	0.33	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67								

89 LS SCS LOSS RATE

STRTL	0.91	INITIAL ABSTRACTION
CRVNBR	68.67	CURVE NUMBER
RTIMP	0.00	PERCENT IMPERVIOUS AREA

90 UI INPUT UNITGRAPH, 39 ORDINATES, VOLUME = 1.00

107.0	320.0	503.0	667.0	770.0	896.0	909.0	876.0	845.0	772.0
711.0	654.0	596.0	541.0	486.0	432.0	378.0	327.0	293.0	257.0
231.0	207.0	185.0	166.0	147.0	134.0	120.0	107.0	93.0	82.0
75.0	65.0	55.0	44.0	37.0	28.0	20.0	12.0	4.0	

HYDROGRAPH AT STATION W1

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	0005	1	0.00	0.00	0.00	0.	*	1	JAN	0405	49	0.01	0.01	0.01	255.
1	JAN	0010	2	0.03	0.03	0.00	0.	*	1	JAN	0410	50	0.04	0.02	0.02	241.
1	JAN	0015	3	0.03	0.03	0.00	0.	*	1	JAN	0415	51	0.04	0.02	0.02	231.
1	JAN	0020	4	0.03	0.03	0.00	0.	*	1	JAN	0420	52	0.04	0.02	0.02	224.
1	JAN	0025	5	0.03	0.03	0.00	0.	*	1	JAN	0425	53	0.04	0.02	0.02	221.
1	JAN	0030	6	0.03	0.03	0.00	0.	*	1	JAN	0430	54	0.04	0.02	0.02	221.
1	JAN	0035	7	0.03	0.03	0.00	0.	*	1	JAN	0435	55	0.04	0.02	0.02	223.
1	JAN	0040	8	0.03	0.03	0.00	0.	*	1	JAN	0440	56	0.04	0.02	0.02	227.
1	JAN	0045	9	0.03	0.03	0.00	0.	*	1	JAN	0445	57	0.04	0.02	0.02	231.
1	JAN	0050	10	0.03	0.03	0.00	0.	*	1	JAN	0450	58	0.04	0.02	0.02	236.
1	JAN	0055	11	0.04	0.04	0.00	0.	*	1	JAN	0455	59	0.04	0.02	0.02	241.
1	JAN	0100	12	0.04	0.04	0.00	0.	*	1	JAN	0500	60	0.04	0.02	0.02	245.
1	JAN	0105	13	0.04	0.04	0.00	0.	*	1	JAN	0505	61	0.04	0.02	0.02	250.
1	JAN	0110	14	0.01	0.01	0.00	0.	*	1	JAN	0510	62	0.03	0.01	0.02	253.
1	JAN	0115	15	0.01	0.01	0.00	0.	*	1	JAN	0515	63	0.03	0.01	0.02	254.
1	JAN	0120	16	0.01	0.01	0.00	0.	*	1	JAN	0520	64	0.03	0.01	0.02	254.
1	JAN	0125	17	0.04	0.04	0.00	0.	*	1	JAN	0525	65	0.03	0.01	0.02	253.
1	JAN	0130	18	0.04	0.04	0.00	0.	*	1	JAN	0530	66	0.03	0.01	0.02	250.
1	JAN	0135	19	0.04	0.04	0.00	0.	*	1	JAN	0535	67	0.03	0.01	0.02	247.
1	JAN	0140	20	0.14	0.14	0.00	0.	*	1	JAN	0540	68	0.03	0.01	0.02	243.
1	JAN	0145	21	0.14	0.14	0.00	0.	*	1	JAN	0545	69	0.03	0.01	0.02	239.
1	JAN	0150	22	0.14	0.14	0.00	0.	*	1	JAN	0550	70	0.03	0.01	0.02	236.
1	JAN	0155	23	0.27	0.25	0.02	2.	*	1	JAN	0555	71	0.03	0.01	0.02	233.
1	JAN	0200	24	0.27	0.23	0.04	10.	*	1	JAN	0600	72	0.03	0.01	0.02	230.
1	JAN	0205	25	0.27	0.20	0.07	29.	*	1	JAN	0605	73	0.03	0.01	0.02	227.
1	JAN	0210	26	0.15	0.11	0.05	58.	*	1	JAN	0610	74	0.00	0.00	0.00	223.
1	JAN	0215	27	0.15	0.10	0.05	94.	*	1	JAN	0615	75	0.00	0.00	0.00	216.
1	JAN	0220	28	0.15	0.10	0.06	136.	*	1	JAN	0620	76	0.00	0.00	0.00	206.
1	JAN	0225	29	0.09	0.05	0.04	182.	*	1	JAN	0625	77	0.00	0.00	0.00	194.
1	JAN	0230	30	0.09	0.05	0.04	225.	*	1	JAN	0630	78	0.00	0.00	0.00	181.
1	JAN	0235	31	0.09	0.05	0.04	264.	*	1	JAN	0635	79	0.00	0.00	0.00	166.
1	JAN	0240	32	0.05	0.03	0.02	295.	*	1	JAN	0640	80	0.00	0.00	0.00	151.
1	JAN	0245	33	0.05	0.03	0.02	320.	*	1	JAN	0645	81	0.00	0.00	0.00	136.
1	JAN	0250	34	0.05	0.03	0.02	336.	*	1	JAN	0650	82	0.00	0.00	0.00	122.
1	JAN	0255	35	0.05	0.03	0.02	346.	*	1	JAN	0655	83	0.00	0.00	0.00	110.
1	JAN	0300	36	0.05	0.03	0.02	353.	*	1	JAN	0700	84	0.00	0.00	0.00	98.
1	JAN	0305	37	0.05	0.03	0.03	356.	*	1	JAN	0705	85	0.00	0.00	0.00	87.
1	JAN	0310	38	0.05	0.03	0.03	357.	*	1	JAN	0710	86	0.00	0.00	0.00	77.
1	JAN	0315	39	0.05	0.03	0.03	358.	*	1	JAN	0715	87	0.00	0.00	0.00	68.
1	JAN	0320	40	0.05	0.02	0.03	357.	*	1	JAN	0720	88	0.00	0.00	0.00	59.
1	JAN	0325	41	0.03	0.01	0.01	354.	*	1	JAN	0725	89	0.00	0.00	0.00	52.
1	JAN	0330	42	0.03	0.01	0.01	349.	*	1	JAN	0730	90	0.00	0.00	0.00	45.
1	JAN	0335	43	0.03	0.01	0.01	341.	*	1	JAN	0735	91	0.00	0.00	0.00	40.
1	JAN	0340	44	0.01	0.01	0.01	331.	*	1	JAN	0740	92	0.00	0.00	0.00	34.
1	JAN	0345	45	0.01	0.01	0.01	319.	*	1	JAN	0745	93	0.00	0.00	0.00	30.
1	JAN	0350	46	0.01	0.01	0.01	304.	*	1	JAN	0750	94	0.00	0.00	0.00	26.
1	JAN	0355	47	0.01	0.01	0.01	288.	*	1	JAN	0755	95	0.00	0.00	0.00	22.
1	JAN	0400	48	0.01	0.01	0.01	271.	*	1	JAN	0800	96	0.00	0.00	0.00	19.

TOTAL RAINFALL = 3.84, TOTAL LOSS = 2.70, TOTAL EXCESS = 1.14

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	(CFS)	6-HR	24-HR	72-HR	7.92-HR
358.	3.17	208.	157.	157.	157.	157.
		(INCHES)	1.135	1.136	1.136	1.136
		(AC-FT)	103.	103.	103.	103.

CUMULATIVE AREA = 1.70 SQ MI

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*****
*           *
95 KK      * W1R *      Route Wood to SR 28 at 4fps
*           *
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HYDROGRAPH ROUTING DATA

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96 RM      MUSKINGUM ROUTING
          NSTPS      4 NUMBER OF SUBREACHES
          AMSKK      0.32 MUSKINGUM K
          X          0.40 MUSKINGUM X
    
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HYDROGRAPH AT STATION W1R

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	0.	1	JAN	0205	25	0.	1	JAN	0405	49	316.	1	JAN	0605	73	239.
1	JAN	0010	2	0.	1	JAN	0210	26	1.	1	JAN	0410	50	301.	1	JAN	0610	74	235.
1	JAN	0015	3	0.	1	JAN	0215	27	5.	1	JAN	0415	51	285.	1	JAN	0615	75	232.
1	JAN	0020	4	0.	1	JAN	0220	28	16.	1	JAN	0420	52	269.	1	JAN	0620	76	229.
1	JAN	0025	5	0.	1	JAN	0225	29	36.	1	JAN	0425	53	254.	1	JAN	0625	77	226.
1	JAN	0030	6	0.	1	JAN	0230	30	66.	1	JAN	0430	54	241.	1	JAN	0630	78	221.
1	JAN	0035	7	0.	1	JAN	0235	31	102.	1	JAN	0435	55	231.	1	JAN	0635	79	214.
1	JAN	0040	8	0.	1	JAN	0240	32	144.	1	JAN	0440	56	225.	1	JAN	0640	80	204.
1	JAN	0045	9	0.	1	JAN	0245	33	188.	1	JAN	0445	57	222.	1	JAN	0645	81	192.
1	JAN	0050	10	0.	1	JAN	0250	34	230.	1	JAN	0450	58	222.	1	JAN	0650	82	178.
1	JAN	0055	11	0.	1	JAN	0255	35	267.	1	JAN	0455	59	224.	1	JAN	0655	83	163.
1	JAN	0100	12	0.	1	JAN	0300	36	297.	1	JAN	0500	60	228.	1	JAN	0700	84	149.
1	JAN	0105	13	0.	1	JAN	0305	37	320.	1	JAN	0505	61	232.	1	JAN	0705	85	134.
1	JAN	0110	14	0.	1	JAN	0310	38	336.	1	JAN	0510	62	237.	1	JAN	0710	86	121.
1	JAN	0115	15	0.	1	JAN	0315	39	346.	1	JAN	0515	63	241.	1	JAN	0715	87	108.
1	JAN	0120	16	0.	1	JAN	0320	40	353.	1	JAN	0520	64	246.	1	JAN	0720	88	96.
1	JAN	0125	17	0.	1	JAN	0325	41	356.	1	JAN	0525	65	250.	1	JAN	0725	89	85.
1	JAN	0130	18	0.	1	JAN	0330	42	357.	1	JAN	0530	66	252.	1	JAN	0730	90	76.
1	JAN	0135	19	0.	1	JAN	0335	43	357.	1	JAN	0535	67	254.	1	JAN	0735	91	67.
1	JAN	0140	20	0.	1	JAN	0340	44	356.	1	JAN	0540	68	254.	1	JAN	0740	92	58.
1	JAN	0145	21	0.	1	JAN	0345	45	353.	1	JAN	0545	69	252.	1	JAN	0745	93	51.
1	JAN	0150	22	0.	1	JAN	0350	46	347.	1	JAN	0550	70	250.	1	JAN	0750	94	45.
1	JAN	0155	23	0.	1	JAN	0355	47	339.	1	JAN	0555	71	246.	1	JAN	0755	95	39.
1	JAN	0200	24	0.	1	JAN	0400	48	329.	1	JAN	0600	72	242.	1	JAN	0800	96	34.

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	7.92-HR
+	(CFS)				
+	357.	206.	156.	156.	156.
	3.50	1.128	1.128	1.128	1.128
		(INCHES)			
		(AC-FT)	102.	102.	102.

CUMULATIVE AREA = 1.70 SQ MI

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*****
*           *
97 KK      * W2 *      Wood Cr at SR 28
*           *
*****
    
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101 IN     TIME DATA FOR INPUT TIME SERIES
          JXMIN      15 TIME INTERVAL IN MINUTES
          JXDATE     1JAN99 STARTING DATE
          JXTIME     5 STARTING TIME
    
```

SUBBASIN RUNOFF DATA

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98 BA     SUBBASIN CHARACTERISTICS
          TAREA      0.19 SUBBASIN AREA
    
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99 BF     BASE FLOW CHARACTERISTICS
          STRTQ      0.00 INITIAL FLOW
          QRCSN     -0.05 BEGIN BASE FLOW RECESSION
          RTIOR     1.50000 RECESSION CONSTANT
    
```

PRECIPITATION DATA

100 PB	STORM	1.43	BASIN TOTAL PRECIPITATION							
102 PI	INCREMENTAL PRECIPITATION PATTERN									
		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1.00
		1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	3.67
		3.67	7.00	7.00	7.00	4.00	4.00	4.00	2.33	2.33
		1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	0.67
		0.67	0.67	0.33	0.33	0.33	0.33	0.33	0.33	1.00
		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
		0.67	0.67							
106 LS	SCS LOSS RATE									
	STRTL	0.44	INITIAL ABSTRACTION							
	CRVNBR	82.01	CURVE NUMBER							
	RTIMP	0.00	PERCENT IMPERVIOUS AREA							
107 UI	INPUT UNITGRAPH, 11 ORDINATES, VOLUME = 1.00									
		143.0	334.0	322.0	239.0	161.0	103.0	69.0	47.0	30.0
		7.0								

HYDROGRAPH AT STATION W2

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	0005	1	0.00	0.00	0.00	0.	*	1	JAN	0405	49	0.00	0.00	0.00	3.
1	JAN	0010	2	0.01	0.01	0.00	0.	*	1	JAN	0410	50	0.01	0.01	0.01	4.
1	JAN	0015	3	0.01	0.01	0.00	0.	*	1	JAN	0415	51	0.01	0.01	0.01	5.
1	JAN	0020	4	0.01	0.01	0.00	0.	*	1	JAN	0420	52	0.01	0.01	0.01	6.
1	JAN	0025	5	0.01	0.01	0.00	0.	*	1	JAN	0425	53	0.01	0.01	0.01	7.
1	JAN	0030	6	0.01	0.01	0.00	0.	*	1	JAN	0430	54	0.01	0.01	0.01	8.
1	JAN	0035	7	0.01	0.01	0.00	0.	*	1	JAN	0435	55	0.01	0.01	0.01	9.
1	JAN	0040	8	0.01	0.01	0.00	0.	*	1	JAN	0440	56	0.01	0.01	0.01	9.
1	JAN	0045	9	0.01	0.01	0.00	0.	*	1	JAN	0445	57	0.01	0.01	0.01	9.
1	JAN	0050	10	0.01	0.01	0.00	0.	*	1	JAN	0450	58	0.01	0.01	0.01	10.
1	JAN	0055	11	0.01	0.01	0.00	0.	*	1	JAN	0455	59	0.01	0.01	0.01	10.
1	JAN	0100	12	0.01	0.01	0.00	0.	*	1	JAN	0500	60	0.01	0.01	0.01	10.
1	JAN	0105	13	0.01	0.01	0.00	0.	*	1	JAN	0505	61	0.01	0.01	0.01	10.
1	JAN	0110	14	0.00	0.00	0.00	0.	*	1	JAN	0510	62	0.01	0.00	0.00	10.
1	JAN	0115	15	0.00	0.00	0.00	0.	*	1	JAN	0515	63	0.01	0.00	0.00	9.
1	JAN	0120	16	0.00	0.00	0.00	0.	*	1	JAN	0520	64	0.01	0.00	0.00	8.
1	JAN	0125	17	0.01	0.01	0.00	0.	*	1	JAN	0525	65	0.01	0.00	0.00	8.
1	JAN	0130	18	0.01	0.01	0.00	0.	*	1	JAN	0530	66	0.01	0.00	0.00	8.
1	JAN	0135	19	0.01	0.01	0.00	0.	*	1	JAN	0535	67	0.01	0.00	0.00	7.
1	JAN	0140	20	0.05	0.05	0.00	0.	*	1	JAN	0540	68	0.01	0.00	0.00	7.
1	JAN	0145	21	0.05	0.05	0.00	0.	*	1	JAN	0545	69	0.01	0.00	0.00	7.
1	JAN	0150	22	0.05	0.05	0.00	0.	*	1	JAN	0550	70	0.01	0.00	0.00	7.
1	JAN	0155	23	0.10	0.10	0.00	0.	*	1	JAN	0555	71	0.01	0.00	0.00	7.
1	JAN	0200	24	0.10	0.10	0.00	1.	*	1	JAN	0600	72	0.01	0.00	0.00	7.
1	JAN	0205	25	0.10	0.09	0.01	3.	*	1	JAN	0605	73	0.01	0.00	0.00	7.
1	JAN	0210	26	0.06	0.05	0.01	7.	*	1	JAN	0610	74	0.00	0.00	0.00	7.
1	JAN	0215	27	0.06	0.04	0.01	11.	*	1	JAN	0615	75	0.00	0.00	0.00	5.
1	JAN	0220	28	0.06	0.04	0.01	13.	*	1	JAN	0620	76	0.00	0.00	0.00	3.
1	JAN	0225	29	0.03	0.02	0.01	15.	*	1	JAN	0625	77	0.00	0.00	0.00	2.
1	JAN	0230	30	0.03	0.02	0.01	16.	*	1	JAN	0630	78	0.00	0.00	0.00	1.
1	JAN	0235	31	0.03	0.02	0.01	16.	*	1	JAN	0635	79	0.00	0.00	0.00	1.
1	JAN	0240	32	0.02	0.01	0.01	15.	*	1	JAN	0640	80	0.00	0.00	0.00	1.
1	JAN	0245	33	0.02	0.01	0.01	14.	*	1	JAN	0645	81	0.00	0.00	0.00	1.
1	JAN	0250	34	0.02	0.01	0.01	12.	*	1	JAN	0650	82	0.00	0.00	0.00	1.
1	JAN	0255	35	0.02	0.01	0.01	11.	*	1	JAN	0655	83	0.00	0.00	0.00	1.
1	JAN	0300	36	0.02	0.01	0.01	11.	*	1	JAN	0700	84	0.00	0.00	0.00	1.
1	JAN	0305	37	0.02	0.01	0.01	11.	*	1	JAN	0705	85	0.00	0.00	0.00	1.
1	JAN	0310	38	0.02	0.01	0.01	11.	*	1	JAN	0710	86	0.00	0.00	0.00	1.
1	JAN	0315	39	0.02	0.01	0.01	11.	*	1	JAN	0715	87	0.00	0.00	0.00	1.
1	JAN	0320	40	0.02	0.01	0.01	11.	*	1	JAN	0720	88	0.00	0.00	0.00	1.
1	JAN	0325	41	0.01	0.01	0.00	10.	*	1	JAN	0725	89	0.00	0.00	0.00	1.
1	JAN	0330	42	0.01	0.01	0.00	9.	*	1	JAN	0730	90	0.00	0.00	0.00	1.
1	JAN	0335	43	0.01	0.01	0.00	8.	*	1	JAN	0735	91	0.00	0.00	0.00	1.
1	JAN	0340	44	0.00	0.00	0.00	7.	*	1	JAN	0740	92	0.00	0.00	0.00	1.
1	JAN	0345	45	0.00	0.00	0.00	6.	*	1	JAN	0745	93	0.00	0.00	0.00	0.
1	JAN	0350	46	0.00	0.00	0.00	5.	*	1	JAN	0750	94	0.00	0.00	0.00	0.
1	JAN	0355	47	0.00	0.00	0.00	4.	*	1	JAN	0755	95	0.00	0.00	0.00	0.
1	JAN	0400	48	0.00	0.00	0.00	4.	*	1	JAN	0800	96	0.00	0.00	0.00	0.

TOTAL RAINFALL = 1.43, TOTAL LOSS = 1.12, TOTAL EXCESS = 0.31

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	(CFS)	6-HR	24-HR	72-HR	7.92-HR
+	16.	2.42	6.	5.	5.	5.
		(INCHES)	0.314	0.315	0.315	0.315
		(AC-FT)	3.	3.	3.	3.

CUMULATIVE AREA = 0.19 SQ MI

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*****
*           *
*   W2C     *   combine upper & mid Wood, Pt 4
*           *
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111 HC HYDROGRAPH COMBINATION
 ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION W2C
 SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	0.	*	1	JAN	0205	25	4.	*	1	JAN	0405	49	319.	*	1	JAN	0605	73	246.
1	JAN	0010	2	0.	*	1	JAN	0210	26	8.	*	1	JAN	0410	50	305.	*	1	JAN	0610	74	242.
1	JAN	0015	3	0.	*	1	JAN	0215	27	16.	*	1	JAN	0415	51	290.	*	1	JAN	0615	75	237.
1	JAN	0020	4	0.	*	1	JAN	0220	28	29.	*	1	JAN	0420	52	275.	*	1	JAN	0620	76	233.
1	JAN	0025	5	0.	*	1	JAN	0225	29	51.	*	1	JAN	0425	53	261.	*	1	JAN	0625	77	228.
1	JAN	0030	6	0.	*	1	JAN	0230	30	81.	*	1	JAN	0430	54	249.	*	1	JAN	0630	78	223.
1	JAN	0035	7	0.	*	1	JAN	0235	31	118.	*	1	JAN	0435	55	240.	*	1	JAN	0635	79	215.
1	JAN	0040	8	0.	*	1	JAN	0240	32	159.	*	1	JAN	0440	56	234.	*	1	JAN	0640	80	205.
1	JAN	0045	9	0.	*	1	JAN	0245	33	202.	*	1	JAN	0445	57	231.	*	1	JAN	0645	81	193.
1	JAN	0050	10	0.	*	1	JAN	0250	34	242.	*	1	JAN	0450	58	232.	*	1	JAN	0650	82	179.
1	JAN	0055	11	0.	*	1	JAN	0255	35	278.	*	1	JAN	0455	59	234.	*	1	JAN	0655	83	164.
1	JAN	0100	12	0.	*	1	JAN	0300	36	308.	*	1	JAN	0500	60	238.	*	1	JAN	0700	84	149.
1	JAN	0105	13	0.	*	1	JAN	0305	37	331.	*	1	JAN	0505	61	242.	*	1	JAN	0705	85	135.
1	JAN	0110	14	0.	*	1	JAN	0310	38	346.	*	1	JAN	0510	62	247.	*	1	JAN	0710	86	121.
1	JAN	0115	15	0.	*	1	JAN	0315	39	357.	*	1	JAN	0515	63	250.	*	1	JAN	0715	87	109.
1	JAN	0120	16	0.	*	1	JAN	0320	40	363.	*	1	JAN	0520	64	254.	*	1	JAN	0720	88	97.
1	JAN	0125	17	0.	*	1	JAN	0325	41	366.	*	1	JAN	0525	65	258.	*	1	JAN	0725	89	86.
1	JAN	0130	18	0.	*	1	JAN	0330	42	366.	*	1	JAN	0530	66	260.	*	1	JAN	0730	90	76.
1	JAN	0135	19	0.	*	1	JAN	0335	43	365.	*	1	JAN	0535	67	261.	*	1	JAN	0735	91	67.
1	JAN	0140	20	0.	*	1	JAN	0340	44	363.	*	1	JAN	0540	68	261.	*	1	JAN	0740	92	59.
1	JAN	0145	21	0.	*	1	JAN	0345	45	358.	*	1	JAN	0545	69	259.	*	1	JAN	0745	93	51.
1	JAN	0150	22	0.	*	1	JAN	0350	46	352.	*	1	JAN	0550	70	257.	*	1	JAN	0750	94	45.
1	JAN	0155	23	0.	*	1	JAN	0355	47	343.	*	1	JAN	0555	71	253.	*	1	JAN	0755	95	39.
1	JAN	0200	24	1.	*	1	JAN	0400	48	332.	*	1	JAN	0600	72	250.	*	1	JAN	0800	96	34.

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	7.92-HR
+ (CFS)	(HR)	(CFS)			
+ 366.	3.42	213.	161.	161.	161.
		(INCHES)	1.046	1.046	1.046
		(AC-FT)	105.	105.	105.

CUMULATIVE AREA = 1.89 SQ MI

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*****
*           *
*   W2R     *   Route Wood Cr to mouth at 3fps
*           *
*****
    
```

HYDROGRAPH ROUTING DATA

114 RM MUSKINGUM ROUTING
 NSTPS 3 NUMBER OF SUBREACHES
 AMSKK 0.26 MUSKINGUM K
 X 0.40 MUSKINGUM X

HYDROGRAPH AT STATION W2R

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW
----	-----	------	-----	------	---	----	-----	------	-----	------	---	----	-----	------	-----	------	---	----	-----	------	-----	------

1 JAN 0005	1	0.	*	1 JAN 0205	25	0.	*	1 JAN 0405	49	352.	*	1 JAN 0605	73	257.
1 JAN 0010	2	0.	*	1 JAN 0210	26	0.	*	1 JAN 0410	50	344.	*	1 JAN 0610	74	254.
1 JAN 0015	3	0.	*	1 JAN 0215	27	1.	*	1 JAN 0415	51	333.	*	1 JAN 0615	75	250.
1 JAN 0020	4	0.	*	1 JAN 0220	28	4.	*	1 JAN 0420	52	320.	*	1 JAN 0620	76	246.
1 JAN 0025	5	0.	*	1 JAN 0225	29	8.	*	1 JAN 0425	53	306.	*	1 JAN 0625	77	242.
1 JAN 0030	6	0.	*	1 JAN 0230	30	16.	*	1 JAN 0430	54	292.	*	1 JAN 0630	78	238.
1 JAN 0035	7	0.	*	1 JAN 0235	31	30.	*	1 JAN 0435	55	277.	*	1 JAN 0635	79	233.
1 JAN 0040	8	0.	*	1 JAN 0240	32	51.	*	1 JAN 0440	56	263.	*	1 JAN 0640	80	229.
1 JAN 0045	9	0.	*	1 JAN 0245	33	80.	*	1 JAN 0445	57	251.	*	1 JAN 0645	81	223.
1 JAN 0050	10	0.	*	1 JAN 0250	34	115.	*	1 JAN 0450	58	242.	*	1 JAN 0650	82	215.
1 JAN 0055	11	0.	*	1 JAN 0255	35	155.	*	1 JAN 0455	59	236.	*	1 JAN 0655	83	205.
1 JAN 0100	12	0.	*	1 JAN 0300	36	196.	*	1 JAN 0500	60	233.	*	1 JAN 0700	84	194.
1 JAN 0105	13	0.	*	1 JAN 0305	37	236.	*	1 JAN 0505	61	232.	*	1 JAN 0705	85	180.
1 JAN 0110	14	0.	*	1 JAN 0310	38	272.	*	1 JAN 0510	62	234.	*	1 JAN 0710	86	166.
1 JAN 0115	15	0.	*	1 JAN 0315	39	303.	*	1 JAN 0515	63	238.	*	1 JAN 0715	87	151.
1 JAN 0120	16	0.	*	1 JAN 0320	40	326.	*	1 JAN 0520	64	242.	*	1 JAN 0720	88	137.
1 JAN 0125	17	0.	*	1 JAN 0325	41	343.	*	1 JAN 0525	65	246.	*	1 JAN 0725	89	123.
1 JAN 0130	18	0.	*	1 JAN 0330	42	354.	*	1 JAN 0530	66	250.	*	1 JAN 0730	90	110.
1 JAN 0135	19	0.	*	1 JAN 0335	43	362.	*	1 JAN 0535	67	254.	*	1 JAN 0735	91	98.
1 JAN 0140	20	0.	*	1 JAN 0340	44	365.	*	1 JAN 0540	68	257.	*	1 JAN 0740	92	88.
1 JAN 0145	21	0.	*	1 JAN 0345	45	366.	*	1 JAN 0545	69	259.	*	1 JAN 0745	93	78.
1 JAN 0150	22	0.	*	1 JAN 0350	46	365.	*	1 JAN 0550	70	261.	*	1 JAN 0750	94	68.
1 JAN 0155	23	0.	*	1 JAN 0355	47	363.	*	1 JAN 0555	71	260.	*	1 JAN 0755	95	60.
1 JAN 0200	24	0.	*	1 JAN 0400	48	358.	*	1 JAN 0600	72	259.	*	1 JAN 0800	96	53.

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	7.92-HR
366.	3.67	211.	160.	160.	160.
		(INCHES)	1.037	1.037	1.037
		(AC-FT)	105.	105.	105.
CUMULATIVE AREA =		1.89 SQ MI			

115 KK W3 Wood Cr at mouth

119 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 15 TIME INTERVAL IN MINUTES
 JKDATE 1JAN99 STARTING DATE
 JKTIME 5 STARTING TIME

SUBBASIN RUNOFF DATA

116 BA SUBBASIN CHARACTERISTICS
 TAREA 0.08 SUBBASIN AREA

117 BF BASE FLOW CHARACTERISTICS
 STRTQ 0.00 INITIAL FLOW
 QRCSN -0.05 BEGIN BASE FLOW RECESSION
 RTIOR 1.50000 RECESSION CONSTANT

PRECIPITATION DATA

118 PB STORM 1.26 BASIN TOTAL PRECIPITATION

120 PI INCREMENTAL PRECIPITATION PATTERN

0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1.00
1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	3.67	3.67	3.67
3.67	7.00	7.00	7.00	4.00	4.00	4.00	2.33	2.33	2.33	2.33
1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	0.67
0.67	0.67	0.33	0.33	0.33	0.33	0.33	0.33	0.33	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67									

124 LS SCS LOSS RATE
 STRTL 0.35 INITIAL ABSTRACTION
 CRVNBR 85.14 CURVE NUMBER
 RTIMP 0.00 PERCENT IMPERVIOUS AREA

125 UI INPUT UNITGRAPH, 7 ORDINATES, VOLUME = 1.00
 125.0 211.0 138.0 73.0 40.0 22.0 9.0

HYDROGRAPH AT STATION W3

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	*	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
----	-----	------	-----	------	------	--------	--------	---	----	-----	------	-----	------	------	--------	--------

1 JAN 0025	5	0.	*	1 JAN 0225	29	16.	*	1 JAN 0425	53	310.	*	1 JAN 0625	77	243.
1 JAN 0030	6	0.	*	1 JAN 0230	30	23.	*	1 JAN 0430	54	295.	*	1 JAN 0630	78	238.
1 JAN 0035	7	0.	*	1 JAN 0235	31	37.	*	1 JAN 0435	55	281.	*	1 JAN 0635	79	234.
1 JAN 0040	8	0.	*	1 JAN 0240	32	57.	*	1 JAN 0440	56	267.	*	1 JAN 0640	80	229.
1 JAN 0045	9	0.	*	1 JAN 0245	33	85.	*	1 JAN 0445	57	255.	*	1 JAN 0645	81	223.
1 JAN 0050	10	0.	*	1 JAN 0250	34	120.	*	1 JAN 0450	58	246.	*	1 JAN 0650	82	215.
1 JAN 0055	11	0.	*	1 JAN 0255	35	159.	*	1 JAN 0455	59	240.	*	1 JAN 0655	83	206.
1 JAN 0100	12	0.	*	1 JAN 0300	36	201.	*	1 JAN 0500	60	237.	*	1 JAN 0700	84	194.
1 JAN 0105	13	0.	*	1 JAN 0305	37	241.	*	1 JAN 0505	61	236.	*	1 JAN 0705	85	180.
1 JAN 0110	14	0.	*	1 JAN 0310	38	277.	*	1 JAN 0510	62	238.	*	1 JAN 0710	86	166.
1 JAN 0115	15	0.	*	1 JAN 0315	39	307.	*	1 JAN 0515	63	241.	*	1 JAN 0715	87	151.
1 JAN 0120	16	0.	*	1 JAN 0320	40	331.	*	1 JAN 0520	64	245.	*	1 JAN 0720	88	137.
1 JAN 0125	17	0.	*	1 JAN 0325	41	347.	*	1 JAN 0525	65	249.	*	1 JAN 0725	89	123.
1 JAN 0130	18	0.	*	1 JAN 0330	42	358.	*	1 JAN 0530	66	253.	*	1 JAN 0730	90	111.
1 JAN 0135	19	0.	*	1 JAN 0335	43	364.	*	1 JAN 0535	67	256.	*	1 JAN 0735	91	99.
1 JAN 0140	20	0.	*	1 JAN 0340	44	367.	*	1 JAN 0540	68	260.	*	1 JAN 0740	92	88.
1 JAN 0145	21	0.	*	1 JAN 0345	45	368.	*	1 JAN 0545	69	262.	*	1 JAN 0745	93	78.
1 JAN 0150	22	0.	*	1 JAN 0350	46	367.	*	1 JAN 0550	70	263.	*	1 JAN 0750	94	69.
1 JAN 0155	23	0.	*	1 JAN 0355	47	364.	*	1 JAN 0555	71	263.	*	1 JAN 0755	95	60.
1 JAN 0200	24	1.	*	1 JAN 0400	48	360.	*	1 JAN 0600	72	262.	*	1 JAN 0800	96	53.

PEAK FLOW TIME MAXIMUM AVERAGE FLOW
+ (CFS) (HR) 6-HR 24-HR 72-HR 7.92-HR
+ 368. 3.67 (CFS) 214. 162. 162. 162.
(INCHES) 1.008 1.008 1.008 1.008
(AC-FT) 106. 106. 106. 106.
CUMULATIVE AREA = 1.97 SQ MI
-----DSS---ZWRITE Unit 71; Vers. 1: /WOOD CR/MOUTH PT5/FLOW/01JAN1999/5MIN//

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*****
*          *
*          *
130 KK    * T1          * Third Cr ab Ophir Div.
*          *
*          *
*****

134 IN    TIME DATA FOR INPUT TIME SERIES
          JXMIN      15 TIME INTERVAL IN MINUTES
          JXDATE     1JAN99 STARTING DATE
          JXTIME      5 STARTING TIME

SUBBASIN RUNOFF DATA

131 BA    SUBBASIN CHARACTERISTICS
          TAREA      1.03 SUBBASIN AREA

132 BF    BASE FLOW CHARACTERISTICS
          STRTQ      2.00 INITIAL FLOW
          QRCSN     -0.05 BEGIN BASE FLOW RECESSION
          RTIOR      1.03000 RECESSION CONSTANT

PRECIPITATION DATA

133 PB    STORM      6.33 BASIN TOTAL PRECIPITATION

135 PI    INCREMENTAL PRECIPITATION PATTERN
          0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 1.00
          1.00 1.00 0.33 0.33 0.33 1.00 1.00 1.00 3.67 3.67
          3.67 7.00 7.00 7.00 4.00 4.00 4.00 2.33 2.33 2.33
          1.33 1.33 1.33 1.33 1.33 1.33 1.33 1.33 1.33 0.67
          0.67 0.67 0.33 0.33 0.33 0.33 0.33 0.33 1.00 1.00
          1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
          0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67
          0.67 0.67

139 LS    SCS LOSS RATE
          STRTL      1.23 INITIAL ABSTRACTION
          CRVNBR     61.84 CURVE NUMBER
          RTIMP      0.00 PERCENT IMPERVIOUS AREA

140 UI    INPUT UNITGRAPH, 33 ORDINATES, VOLUME = 1.00
          93.0 278.0 428.0 541.0 645.0 658.0 635.0 589.0 530.0 480.0
          429.0 381.0 333.0 286.0 240.0 210.0 180.0 159.0 138.0 122.0
          106.0 94.0 82.0 70.0 60.0 50.0 42.0 33.0 28.0 20.0
          15.0 8.0 1.0

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HYDROGRAPH AT STATION T1

DA MON HRMN ORD RAIN LOSS EXCESS COMP Q DA MON HRMN ORD RAIN LOSS EXCESS COMP Q

1 JAN 0005	1	0.00	0.00	0.00	2.	*	1 JAN 0405	49	0.02	0.01	0.01	283.
1 JAN 0010	2	0.04	0.04	0.00	2.	*	1 JAN 0410	50	0.06	0.02	0.04	263.
1 JAN 0015	3	0.04	0.04	0.00	2.	*	1 JAN 0415	51	0.06	0.02	0.04	250.
1 JAN 0020	4	0.04	0.04	0.00	2.	*	1 JAN 0420	52	0.06	0.02	0.04	243.
1 JAN 0025	5	0.04	0.04	0.00	2.	*	1 JAN 0425	53	0.06	0.02	0.04	241.
1 JAN 0030	6	0.04	0.04	0.00	2.	*	1 JAN 0430	54	0.06	0.02	0.04	243.
1 JAN 0035	7	0.04	0.04	0.00	2.	*	1 JAN 0435	55	0.06	0.02	0.04	248.
1 JAN 0040	8	0.04	0.04	0.00	2.	*	1 JAN 0440	56	0.06	0.02	0.04	254.
1 JAN 0045	9	0.04	0.04	0.00	2.	*	1 JAN 0445	57	0.06	0.02	0.04	260.
1 JAN 0050	10	0.04	0.04	0.00	2.	*	1 JAN 0450	58	0.06	0.02	0.04	267.
1 JAN 0055	11	0.06	0.06	0.00	2.	*	1 JAN 0455	59	0.06	0.02	0.04	273.
1 JAN 0100	12	0.06	0.06	0.00	2.	*	1 JAN 0500	60	0.06	0.02	0.04	280.
1 JAN 0105	13	0.06	0.06	0.00	2.	*	1 JAN 0505	61	0.06	0.02	0.04	286.
1 JAN 0110	14	0.02	0.02	0.00	2.	*	1 JAN 0510	62	0.04	0.01	0.03	291.
1 JAN 0115	15	0.02	0.02	0.00	2.	*	1 JAN 0515	63	0.04	0.01	0.03	293.
1 JAN 0120	16	0.02	0.02	0.00	2.	*	1 JAN 0520	64	0.04	0.01	0.03	292.
1 JAN 0125	17	0.06	0.06	0.00	2.	*	1 JAN 0525	65	0.04	0.01	0.03	289.
1 JAN 0130	18	0.06	0.06	0.00	2.	*	1 JAN 0530	66	0.04	0.01	0.03	284.
1 JAN 0135	19	0.06	0.06	0.00	2.	*	1 JAN 0535	67	0.04	0.01	0.03	278.
1 JAN 0140	20	0.23	0.23	0.00	2.	*	1 JAN 0540	68	0.04	0.01	0.03	273.
1 JAN 0145	21	0.23	0.23	0.00	2.	*	1 JAN 0545	69	0.04	0.01	0.03	267.
1 JAN 0150	22	0.23	0.22	0.01	3.	*	1 JAN 0550	70	0.04	0.01	0.03	263.
1 JAN 0155	23	0.44	0.38	0.06	11.	*	1 JAN 0555	71	0.04	0.01	0.03	259.
1 JAN 0200	24	0.44	0.33	0.11	35.	*	1 JAN 0600	72	0.04	0.01	0.03	256.
1 JAN 0205	25	0.44	0.30	0.15	81.	*	1 JAN 0605	73	0.04	0.01	0.03	253.
1 JAN 0210	26	0.25	0.15	0.10	142.	*	1 JAN 0610	74	0.00	0.00	0.00	248.
1 JAN 0215	27	0.25	0.14	0.11	212.	*	1 JAN 0615	75	0.00	0.00	0.00	238.
1 JAN 0220	28	0.25	0.14	0.12	287.	*	1 JAN 0620	76	0.00	0.00	0.00	224.
1 JAN 0225	29	0.15	0.08	0.07	357.	*	1 JAN 0625	77	0.00	0.00	0.00	207.
1 JAN 0230	30	0.15	0.07	0.07	413.	*	1 JAN 0630	78	0.00	0.00	0.00	187.
1 JAN 0235	31	0.15	0.07	0.08	458.	*	1 JAN 0635	79	0.00	0.00	0.00	166.
1 JAN 0240	32	0.08	0.04	0.04	490.	*	1 JAN 0640	80	0.00	0.00	0.00	147.
1 JAN 0245	33	0.08	0.04	0.05	506.	*	1 JAN 0645	81	0.00	0.00	0.00	128.
1 JAN 0250	34	0.08	0.04	0.05	513.	*	1 JAN 0650	82	0.00	0.00	0.00	112.
1 JAN 0255	35	0.08	0.04	0.05	512.	*	1 JAN 0655	83	0.00	0.00	0.00	97.
1 JAN 0300	36	0.08	0.04	0.05	504.	*	1 JAN 0700	84	0.00	0.00	0.00	83.
1 JAN 0305	37	0.08	0.04	0.05	494.	*	1 JAN 0705	85	0.00	0.00	0.00	71.
1 JAN 0310	38	0.08	0.04	0.05	483.	*	1 JAN 0710	86	0.00	0.00	0.00	61.
1 JAN 0315	39	0.08	0.03	0.05	472.	*	1 JAN 0715	87	0.00	0.00	0.00	52.
1 JAN 0320	40	0.08	0.03	0.05	463.	*	1 JAN 0720	88	0.00	0.00	0.00	44.
1 JAN 0325	41	0.04	0.02	0.03	452.	*	1 JAN 0725	89	0.00	0.00	0.00	38.
1 JAN 0330	42	0.04	0.02	0.03	438.	*	1 JAN 0730	90	0.00	0.00	0.00	32.
1 JAN 0335	43	0.04	0.02	0.03	422.	*	1 JAN 0735	91	0.00	0.00	0.00	27.
1 JAN 0340	44	0.02	0.01	0.01	404.	*	1 JAN 0740	92	0.00	0.00	0.00	26.
1 JAN 0345	45	0.02	0.01	0.01	381.	*	1 JAN 0745	93	0.00	0.00	0.00	26.
1 JAN 0350	46	0.02	0.01	0.01	356.	*	1 JAN 0750	94	0.00	0.00	0.00	25.
1 JAN 0355	47	0.02	0.01	0.01	331.	*	1 JAN 0755	95	0.00	0.00	0.00	25.
1 JAN 0400	48	0.02	0.01	0.01	306.	*	1 JAN 0800	96	0.00	0.00	0.00	25.

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TOTAL RAINFALL = 6.33, TOTAL LOSS = 4.03, TOTAL EXCESS = 2.30

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	7.92-HR
513.	2.75	256.	195.	195.	195.
		(INCHES) 2.314	2.323	2.323	2.323
		(AC-FT) 127.	128.	128.	128.

CUMULATIVE AREA = 1.03 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 2: /THIRD CR/AB OPHIR/FLOW/01JAN1999/5MIN//

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 145 KK * TDI * Divert part Third Cr flow to Ophir Cr.

DT	DIVERSION ISTAD	OPDIV	DIVERSION HYDROGRAPH IDENTIFICATION			
DI	INFLOW	0.00	5.00	125.00	1000.00	
DQ	DIVERTED FLOW	0.00	0.00	50.00	50.00	

.....

DIVERSION HYDROGRAPH OPDIV

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	0.	1	JAN	0205	25	31.	1	JAN	0405	49	50.
				*				*	*				*	*
				*				*	*				*	*

1 JAN 0010	2	0.	*	1 JAN 0210	26	50.	*	1 JAN 0410	50	50.	*	1 JAN 0610	74	50.
1 JAN 0015	3	0.	*	1 JAN 0215	27	50.	*	1 JAN 0415	51	50.	*	1 JAN 0615	75	50.
1 JAN 0020	4	0.	*	1 JAN 0220	28	50.	*	1 JAN 0420	52	50.	*	1 JAN 0620	76	50.
1 JAN 0025	5	0.	*	1 JAN 0225	29	50.	*	1 JAN 0425	53	50.	*	1 JAN 0625	77	50.
1 JAN 0030	6	0.	*	1 JAN 0230	30	50.	*	1 JAN 0430	54	50.	*	1 JAN 0630	78	50.
1 JAN 0035	7	0.	*	1 JAN 0235	31	50.	*	1 JAN 0435	55	50.	*	1 JAN 0635	79	50.
1 JAN 0040	8	0.	*	1 JAN 0240	32	50.	*	1 JAN 0440	56	50.	*	1 JAN 0640	80	50.
1 JAN 0045	9	0.	*	1 JAN 0245	33	50.	*	1 JAN 0445	57	50.	*	1 JAN 0645	81	50.
1 JAN 0050	10	0.	*	1 JAN 0250	34	50.	*	1 JAN 0450	58	50.	*	1 JAN 0650	82	44.
1 JAN 0055	11	0.	*	1 JAN 0255	35	50.	*	1 JAN 0455	59	50.	*	1 JAN 0655	83	38.
1 JAN 0100	12	0.	*	1 JAN 0300	36	50.	*	1 JAN 0500	60	50.	*	1 JAN 0700	84	33.
1 JAN 0105	13	0.	*	1 JAN 0305	37	50.	*	1 JAN 0505	61	50.	*	1 JAN 0705	85	28.
1 JAN 0110	14	0.	*	1 JAN 0310	38	50.	*	1 JAN 0510	62	50.	*	1 JAN 0710	86	23.
1 JAN 0115	15	0.	*	1 JAN 0315	39	50.	*	1 JAN 0515	63	50.	*	1 JAN 0715	87	19.
1 JAN 0120	16	0.	*	1 JAN 0320	40	50.	*	1 JAN 0520	64	50.	*	1 JAN 0720	88	16.
1 JAN 0125	17	0.	*	1 JAN 0325	41	50.	*	1 JAN 0525	65	50.	*	1 JAN 0725	89	14.
1 JAN 0130	18	0.	*	1 JAN 0330	42	50.	*	1 JAN 0530	66	50.	*	1 JAN 0730	90	11.
1 JAN 0135	19	0.	*	1 JAN 0335	43	50.	*	1 JAN 0535	67	50.	*	1 JAN 0735	91	9.
1 JAN 0140	20	0.	*	1 JAN 0340	44	50.	*	1 JAN 0540	68	50.	*	1 JAN 0740	92	9.
1 JAN 0145	21	0.	*	1 JAN 0345	45	50.	*	1 JAN 0545	69	50.	*	1 JAN 0745	93	9.
1 JAN 0150	22	0.	*	1 JAN 0350	46	50.	*	1 JAN 0550	70	50.	*	1 JAN 0750	94	9.
1 JAN 0155	23	3.	*	1 JAN 0355	47	50.	*	1 JAN 0555	71	50.	*	1 JAN 0755	95	9.
1 JAN 0200	24	13.	*	1 JAN 0400	48	50.	*	1 JAN 0600	72	50.	*	1 JAN 0800	96	8.

PEAK FLOW TIME

(CFS)	(HR)		6-HR	24-HR	72-HR	7.92-HR
50.	2.08	(CFS)	43.	33.	33.	33.
		(INCHES)	0.390	0.391	0.391	0.391
		(AC-FT)	21.	21.	21.	21.

CUMULATIVE AREA = 1.03 SQ MI

HYDROGRAPH AT STATION TD1

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	2.	1	JAN	0205	25	49.	1	JAN	0405	49	233.	1	JAN	0605	73	203.
1	JAN	0010	2	2.	1	JAN	0210	26	92.	1	JAN	0410	50	213.	1	JAN	0610	74	198.
1	JAN	0015	3	2.	1	JAN	0215	27	162.	1	JAN	0415	51	200.	1	JAN	0615	75	188.
1	JAN	0020	4	2.	1	JAN	0220	28	237.	1	JAN	0420	52	193.	1	JAN	0620	76	174.
1	JAN	0025	5	2.	1	JAN	0225	29	307.	1	JAN	0425	53	191.	1	JAN	0625	77	157.
1	JAN	0030	6	2.	1	JAN	0230	30	363.	1	JAN	0430	54	193.	1	JAN	0630	78	137.
1	JAN	0035	7	2.	1	JAN	0235	31	408.	1	JAN	0435	55	198.	1	JAN	0635	79	116.
1	JAN	0040	8	2.	1	JAN	0240	32	440.	1	JAN	0440	56	204.	1	JAN	0640	80	97.
1	JAN	0045	9	2.	1	JAN	0245	33	456.	1	JAN	0445	57	210.	1	JAN	0645	81	78.
1	JAN	0050	10	2.	1	JAN	0250	34	463.	1	JAN	0450	58	217.	1	JAN	0650	82	67.
1	JAN	0055	11	2.	1	JAN	0255	35	462.	1	JAN	0455	59	223.	1	JAN	0655	83	58.
1	JAN	0100	12	2.	1	JAN	0300	36	454.	1	JAN	0500	60	230.	1	JAN	0700	84	51.
1	JAN	0105	13	2.	1	JAN	0305	37	444.	1	JAN	0505	61	236.	1	JAN	0705	85	44.
1	JAN	0110	14	2.	1	JAN	0310	38	433.	1	JAN	0510	62	241.	1	JAN	0710	86	37.
1	JAN	0115	15	2.	1	JAN	0315	39	422.	1	JAN	0515	63	243.	1	JAN	0715	87	32.
1	JAN	0120	16	2.	1	JAN	0320	40	413.	1	JAN	0520	64	242.	1	JAN	0720	88	28.
1	JAN	0125	17	2.	1	JAN	0325	41	402.	1	JAN	0525	65	239.	1	JAN	0725	89	24.
1	JAN	0130	18	2.	1	JAN	0330	42	388.	1	JAN	0530	66	234.	1	JAN	0730	90	21.
1	JAN	0135	19	2.	1	JAN	0335	43	372.	1	JAN	0535	67	228.	1	JAN	0735	91	18.
1	JAN	0140	20	2.	1	JAN	0340	44	354.	1	JAN	0540	68	223.	1	JAN	0740	92	17.
1	JAN	0145	21	2.	1	JAN	0345	45	331.	1	JAN	0545	69	217.	1	JAN	0745	93	17.
1	JAN	0150	22	3.	1	JAN	0350	46	306.	1	JAN	0550	70	213.	1	JAN	0750	94	17.
1	JAN	0155	23	9.	1	JAN	0355	47	281.	1	JAN	0555	71	209.	1	JAN	0755	95	17.
1	JAN	0200	24	23.	1	JAN	0400	48	256.	1	JAN	0600	72	206.	1	JAN	0800	96	17.

PEAK FLOW TIME

(CFS)	(HR)		6-HR	24-HR	72-HR	7.92-HR
463.	2.75	(CFS)	213.	162.	162.	162.
		(INCHES)	1.924	1.932	1.932	1.932
		(AC-FT)	106.	106.	106.	106.

CUMULATIVE AREA = 1.03 SQ MI

-----DSS-----ZWRITE Unit 71; Vers. 2: /THIRD CR/BL OPHIR/FLOW/01JAN1999/5MIN//

150 KK T1R Route Third to Ginny Lk at 4 fps

HYDROGRAPH ROUTING DATA

151 RM MUSKINGUM ROUTING
 NSTPS 1 NUMBER OF SUBREACHES
 AMSKK 0.10 MUSKINGUM K
 X 0.40 MUSKINGUM X

HYDROGRAPH AT STATION T1R

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	JAN	0005	1	2.	*	1	JAN	0205	25	21.	*	1	JAN	0405	49	261.	*	1	JAN	0605	73	207.	*
1	JAN	0010	2	2.	*	1	JAN	0210	26	45.	*	1	JAN	0410	50	238.	*	1	JAN	0610	74	204.	*
1	JAN	0015	3	2.	*	1	JAN	0215	27	85.	*	1	JAN	0415	51	217.	*	1	JAN	0615	75	199.	*
1	JAN	0020	4	2.	*	1	JAN	0220	28	149.	*	1	JAN	0420	52	203.	*	1	JAN	0620	76	190.	*
1	JAN	0025	5	2.	*	1	JAN	0225	29	222.	*	1	JAN	0425	53	195.	*	1	JAN	0625	77	177.	*
1	JAN	0030	6	2.	*	1	JAN	0230	30	293.	*	1	JAN	0430	54	192.	*	1	JAN	0630	78	160.	*
1	JAN	0035	7	2.	*	1	JAN	0235	31	351.	*	1	JAN	0435	55	193.	*	1	JAN	0635	79	141.	*
1	JAN	0040	8	2.	*	1	JAN	0240	32	398.	*	1	JAN	0440	56	197.	*	1	JAN	0640	80	121.	*
1	JAN	0045	9	2.	*	1	JAN	0245	33	433.	*	1	JAN	0445	57	203.	*	1	JAN	0645	81	101.	*
1	JAN	0050	10	2.	*	1	JAN	0250	34	452.	*	1	JAN	0450	58	209.	*	1	JAN	0650	82	82.	*
1	JAN	0055	11	2.	*	1	JAN	0255	35	461.	*	1	JAN	0455	59	215.	*	1	JAN	0655	83	70.	*
1	JAN	0100	12	2.	*	1	JAN	0300	36	462.	*	1	JAN	0500	60	222.	*	1	JAN	0700	84	60.	*
1	JAN	0105	13	2.	*	1	JAN	0305	37	455.	*	1	JAN	0505	61	229.	*	1	JAN	0705	85	52.	*
1	JAN	0110	14	2.	*	1	JAN	0310	38	446.	*	1	JAN	0510	62	235.	*	1	JAN	0710	86	45.	*
1	JAN	0115	15	2.	*	1	JAN	0315	39	435.	*	1	JAN	0515	63	240.	*	1	JAN	0715	87	39.	*
1	JAN	0120	16	2.	*	1	JAN	0320	40	424.	*	1	JAN	0520	64	242.	*	1	JAN	0720	88	33.	*
1	JAN	0125	17	2.	*	1	JAN	0325	41	414.	*	1	JAN	0525	65	242.	*	1	JAN	0725	89	29.	*
1	JAN	0130	18	2.	*	1	JAN	0330	42	404.	*	1	JAN	0530	66	239.	*	1	JAN	0730	90	25.	*
1	JAN	0135	19	2.	*	1	JAN	0335	43	391.	*	1	JAN	0535	67	234.	*	1	JAN	0735	91	22.	*
1	JAN	0140	20	2.	*	1	JAN	0340	44	375.	*	1	JAN	0540	68	229.	*	1	JAN	0740	92	19.	*
1	JAN	0145	21	2.	*	1	JAN	0345	45	357.	*	1	JAN	0545	69	224.	*	1	JAN	0745	93	17.	*
1	JAN	0150	22	2.	*	1	JAN	0350	46	335.	*	1	JAN	0550	70	219.	*	1	JAN	0750	94	17.	*
1	JAN	0155	23	3.	*	1	JAN	0355	47	311.	*	1	JAN	0555	71	214.	*	1	JAN	0755	95	17.	*
1	JAN	0200	24	8.	*	1	JAN	0400	48	286.	*	1	JAN	0600	72	210.	*	1	JAN	0800	96	17.	*

PEAK FLOW	TIME	6-HR	24-HR	72-HR	7.92-HR
(CFS)	(HR)	(CFS)	(CFS)	(CFS)	(CFS)
462.	2.92	213.	162.	162.	162.
		(INCHES)	1.924	1.930	1.930
		(AC-FT)	106.	106.	106.

CUMULATIVE AREA = 1.03 SQ MI

152 KK T2 Third Cr - Ginny Lk Watershed

156 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 15 TIME INTERVAL IN MINUTES
 JXDATE 1JAN99 STARTING DATE
 JXTIME 5 STARTING TIME

SUBBASIN RUNOFF DATA

153 BA SUBBASIN CHARACTERISTICS
 TAREA 1.01 SUBBASIN AREA

154 BF BASE FLOW CHARACTERISTICS
 STRTQ 2.00 INITIAL FLOW
 QRCSN -0.05 BEGIN BASE FLOW RECESSON
 RTIOR 1.03000 RECESSON CONSTANT

PRECIPITATION DATA

155 PB STORM 5.67 BASIN TOTAL PRECIPITATION

157 PI INCREMENTAL PRECIPITATION PATTERN

0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1.00
1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	3.67	3.67
3.67	7.00	7.00	7.00	4.00	4.00	4.00	2.33	2.33	2.33
1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	0.67
0.67	0.67	0.33	0.33	0.33	0.33	0.33	0.33	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67								

161 LS SCS LOSS RATE
 STRTL 0.87 INITIAL ABSTRACTION
 CRVNBR 69.60 CURVE NUMBER
 RTIMP 0.00 PERCENT IMPERVIOUS AREA

162 UI INPUT UNITGRAPH, 24 ORDINATES, VOLUME = 1.00
 156.0 447.0 665.0 828.0 829.0 778.0 680.0 595.0 512.0 432.0
 353.0 287.0 236.0 200.0 168.0 140.0 119.0 100.0 81.0 68.0
 54.0 41.0 30.0 15.0

HYDROGRAPH AT STATION T2

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	0005	1	0.00	0.00	0.00	2.	*	1	JAN	0405	49	0.02	0.01	0.01	226.
1	JAN	0010	2	0.04	0.04	0.00	2.	*	1	JAN	0410	50	0.06	0.02	0.04	207.
1	JAN	0015	3	0.04	0.04	0.00	2.	*	1	JAN	0415	51	0.06	0.02	0.04	200.
1	JAN	0020	4	0.04	0.04	0.00	2.	*	1	JAN	0420	52	0.06	0.02	0.04	202.
1	JAN	0025	5	0.04	0.04	0.00	2.	*	1	JAN	0425	53	0.06	0.02	0.04	212.
1	JAN	0030	6	0.04	0.04	0.00	2.	*	1	JAN	0430	54	0.06	0.02	0.04	225.
1	JAN	0035	7	0.04	0.04	0.00	2.	*	1	JAN	0435	55	0.06	0.02	0.04	238.
1	JAN	0040	8	0.04	0.04	0.00	2.	*	1	JAN	0440	56	0.06	0.02	0.04	251.
1	JAN	0045	9	0.04	0.04	0.00	2.	*	1	JAN	0445	57	0.06	0.02	0.04	262.
1	JAN	0050	10	0.04	0.04	0.00	2.	*	1	JAN	0450	58	0.06	0.01	0.04	272.
1	JAN	0055	11	0.06	0.06	0.00	2.	*	1	JAN	0455	59	0.06	0.01	0.04	281.
1	JAN	0100	12	0.06	0.06	0.00	2.	*	1	JAN	0500	60	0.06	0.01	0.04	289.
1	JAN	0105	13	0.06	0.06	0.00	2.	*	1	JAN	0505	61	0.06	0.01	0.04	295.
1	JAN	0110	14	0.02	0.02	0.00	2.	*	1	JAN	0510	62	0.04	0.01	0.03	299.
1	JAN	0115	15	0.02	0.02	0.00	2.	*	1	JAN	0515	63	0.04	0.01	0.03	297.
1	JAN	0120	16	0.02	0.02	0.00	2.	*	1	JAN	0520	64	0.04	0.01	0.03	293.
1	JAN	0125	17	0.06	0.06	0.00	2.	*	1	JAN	0525	65	0.04	0.01	0.03	285.
1	JAN	0130	18	0.06	0.06	0.00	2.	*	1	JAN	0530	66	0.04	0.01	0.03	278.
1	JAN	0135	19	0.06	0.06	0.00	2.	*	1	JAN	0535	67	0.04	0.01	0.03	270.
1	JAN	0140	20	0.21	0.21	0.00	2.	*	1	JAN	0540	68	0.04	0.01	0.03	264.
1	JAN	0145	21	0.21	0.19	0.02	5.	*	1	JAN	0545	69	0.04	0.01	0.03	258.
1	JAN	0150	22	0.21	0.18	0.03	15.	*	1	JAN	0550	70	0.04	0.01	0.03	253.
1	JAN	0155	23	0.40	0.30	0.10	43.	*	1	JAN	0555	71	0.04	0.01	0.03	249.
1	JAN	0200	24	0.40	0.26	0.14	104.	*	1	JAN	0600	72	0.04	0.01	0.03	246.
1	JAN	0205	25	0.40	0.22	0.18	199.	*	1	JAN	0605	73	0.04	0.01	0.03	243.
1	JAN	0210	26	0.23	0.11	0.11	314.	*	1	JAN	0610	74	0.00	0.00	0.00	236.
1	JAN	0215	27	0.23	0.11	0.12	424.	*	1	JAN	0615	75	0.00	0.00	0.00	220.
1	JAN	0220	28	0.23	0.10	0.13	523.	*	1	JAN	0620	76	0.00	0.00	0.00	199.
1	JAN	0225	29	0.13	0.05	0.08	596.	*	1	JAN	0625	77	0.00	0.00	0.00	174.
1	JAN	0230	30	0.13	0.05	0.08	643.	*	1	JAN	0630	78	0.00	0.00	0.00	148.
1	JAN	0235	31	0.13	0.05	0.08	670.	*	1	JAN	0635	79	0.00	0.00	0.00	124.
1	JAN	0240	32	0.08	0.03	0.05	675.	*	1	JAN	0640	80	0.00	0.00	0.00	104.
1	JAN	0245	33	0.08	0.03	0.05	663.	*	1	JAN	0645	81	0.00	0.00	0.00	86.
1	JAN	0250	34	0.08	0.03	0.05	638.	*	1	JAN	0650	82	0.00	0.00	0.00	70.
1	JAN	0255	35	0.08	0.03	0.05	607.	*	1	JAN	0655	83	0.00	0.00	0.00	57.
1	JAN	0300	36	0.08	0.03	0.05	576.	*	1	JAN	0700	84	0.00	0.00	0.00	46.
1	JAN	0305	37	0.08	0.03	0.05	547.	*	1	JAN	0705	85	0.00	0.00	0.00	38.
1	JAN	0310	38	0.08	0.02	0.05	523.	*	1	JAN	0710	86	0.00	0.00	0.00	34.
1	JAN	0315	39	0.08	0.02	0.05	504.	*	1	JAN	0715	87	0.00	0.00	0.00	34.
1	JAN	0320	40	0.08	0.02	0.05	487.	*	1	JAN	0720	88	0.00	0.00	0.00	34.
1	JAN	0325	41	0.04	0.01	0.03	471.	*	1	JAN	0725	89	0.00	0.00	0.00	33.
1	JAN	0330	42	0.04	0.01	0.03	449.	*	1	JAN	0730	90	0.00	0.00	0.00	33.
1	JAN	0335	43	0.04	0.01	0.03	423.	*	1	JAN	0735	91	0.00	0.00	0.00	33.
1	JAN	0340	44	0.02	0.01	0.01	392.	*	1	JAN	0740	92	0.00	0.00	0.00	33.
1	JAN	0345	45	0.02	0.01	0.01	358.	*	1	JAN	0745	93	0.00	0.00	0.00	33.
1	JAN	0350	46	0.02	0.01	0.01	322.	*	1	JAN	0750	94	0.00	0.00	0.00	33.
1	JAN	0355	47	0.02	0.01	0.01	287.	*	1	JAN	0755	95	0.00	0.00	0.00	33.
1	JAN	0400	48	0.02	0.01	0.01	255.	*	1	JAN	0800	96	0.00	0.00	0.00	33.

TOTAL RAINFALL = 5.67, TOTAL LOSS = 3.16, TOTAL EXCESS = 2.51

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	7.92-HR
675.	2.58	276.	211.	211.	211.
		(INCHES) 2.542	2.557	2.557	2.557
		(AC-FT) 137.	138.	138.	138.

CUMULATIVE AREA = 1.01 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 2: /THIRD CR/GINNY LK LOCAL/FLOW/01JAN1999/5MIN//

 * * * * *
 166 KK * T2C * Combine Third at Ginny Lk. WS outlet
 * * * * *

167 HC

HYDROGRAPH COMBINATION
ICOMP

2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION T2C
SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	4.	1	JAN	0205	25	220.	1	JAN	0405	49	488.	1	JAN	0605	73	449.
1	JAN	0010	2	4.	1	JAN	0210	26	359.	1	JAN	0410	50	445.	1	JAN	0610	74	439.
1	JAN	0015	3	4.	1	JAN	0215	27	509.	1	JAN	0415	51	417.	1	JAN	0615	75	419.
1	JAN	0020	4	4.	1	JAN	0220	28	672.	1	JAN	0420	52	405.	1	JAN	0620	76	389.
1	JAN	0025	5	4.	1	JAN	0225	29	818.	1	JAN	0425	53	407.	1	JAN	0625	77	350.
1	JAN	0030	6	4.	1	JAN	0230	30	936.	1	JAN	0430	54	416.	1	JAN	0630	78	308.
1	JAN	0035	7	4.	1	JAN	0235	31	1021.	1	JAN	0435	55	431.	1	JAN	0635	79	265.
1	JAN	0040	8	4.	1	JAN	0240	32	1074.	1	JAN	0440	56	448.	1	JAN	0640	80	224.
1	JAN	0045	9	4.	1	JAN	0245	33	1096.	1	JAN	0445	57	465.	1	JAN	0645	81	186.
1	JAN	0050	10	4.	1	JAN	0250	34	1090.	1	JAN	0450	58	481.	1	JAN	0650	82	152.
1	JAN	0055	11	4.	1	JAN	0255	35	1068.	1	JAN	0455	59	497.	1	JAN	0655	83	127.
1	JAN	0100	12	4.	1	JAN	0300	36	1037.	1	JAN	0500	60	511.	1	JAN	0700	84	107.
1	JAN	0105	13	4.	1	JAN	0305	37	1003.	1	JAN	0505	61	524.	1	JAN	0705	85	90.
1	JAN	0110	14	4.	1	JAN	0310	38	969.	1	JAN	0510	62	534.	1	JAN	0710	86	79.
1	JAN	0115	15	4.	1	JAN	0315	39	939.	1	JAN	0515	63	537.	1	JAN	0715	87	72.
1	JAN	0120	16	4.	1	JAN	0320	40	912.	1	JAN	0520	64	535.	1	JAN	0720	88	67.
1	JAN	0125	17	4.	1	JAN	0325	41	885.	1	JAN	0525	65	527.	1	JAN	0725	89	62.
1	JAN	0130	18	4.	1	JAN	0330	42	853.	1	JAN	0530	66	517.	1	JAN	0730	90	58.
1	JAN	0135	19	4.	1	JAN	0335	43	814.	1	JAN	0535	67	505.	1	JAN	0735	91	55.
1	JAN	0140	20	4.	1	JAN	0340	44	768.	1	JAN	0540	68	493.	1	JAN	0740	92	52.
1	JAN	0145	21	7.	1	JAN	0345	45	715.	1	JAN	0545	69	482.	1	JAN	0745	93	50.
1	JAN	0150	22	17.	1	JAN	0350	46	657.	1	JAN	0550	70	472.	1	JAN	0750	94	50.
1	JAN	0155	23	46.	1	JAN	0355	47	598.	1	JAN	0555	71	463.	1	JAN	0755	95	50.
1	JAN	0200	24	112.	1	JAN	0400	48	541.	1	JAN	0600	72	456.	1	JAN	0800	96	50.

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	(CFS)	6-HR	24-HR	72-HR	7.92-HR
1096.	2.67	489.	489.	373.	373.	373.
		(INCHES)	2.229	2.240	2.240	2.240
		(AC-FT)	243.	244.	244.	244.
CUMULATIVE AREA =			2.04 SQ MI			

168 KK TD2 Divert part Third Cr to Incline Lake
 Divert part of flow to Incline Lk

DT	DIVERSION	ISTAD	INDIV	DIVERSION	HYDROGRAPH	IDENTIFICATION
DI	INFLOW		0.00	4.00	150.00	550.00 1000.00
DQ	DIVERTED FLOW		0.00	4.00	60.00	160.00 200.00

DIVERSION HYDROGRAPH INDIV

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	4.	1	JAN	0205	25	77.	1	JAN	0405	49	144.	1	JAN	0605	73	135.
1	JAN	0010	2	4.	1	JAN	0210	26	112.	1	JAN	0410	50	134.	1	JAN	0610	74	132.
1	JAN	0015	3	4.	1	JAN	0215	27	150.	1	JAN	0415	51	127.	1	JAN	0615	75	127.
1	JAN	0020	4	4.	1	JAN	0220	28	171.	1	JAN	0420	52	124.	1	JAN	0620	76	120.
1	JAN	0025	5	4.	1	JAN	0225	29	184.	1	JAN	0425	53	124.	1	JAN	0625	77	110.
1	JAN	0030	6	4.	1	JAN	0230	30	194.	1	JAN	0430	54	127.	1	JAN	0630	78	100.
1	JAN	0035	7	4.	1	JAN	0235	31	202.	1	JAN	0435	55	130.	1	JAN	0635	79	89.
1	JAN	0040	8	4.	1	JAN	0240	32	207.	1	JAN	0440	56	134.	1	JAN	0640	80	79.
1	JAN	0045	9	4.	1	JAN	0245	33	208.	1	JAN	0445	57	139.	1	JAN	0645	81	69.
1	JAN	0050	10	4.	1	JAN	0250	34	208.	1	JAN	0450	58	143.	1	JAN	0650	82	61.
1	JAN	0055	11	4.	1	JAN	0255	35	206.	1	JAN	0455	59	147.	1	JAN	0655	83	51.
1	JAN	0100	12	4.	1	JAN	0300	36	203.	1	JAN	0500	60	150.	1	JAN	0700	84	43.
1	JAN	0105	13	4.	1	JAN	0305	37	200.	1	JAN	0505	61	153.	1	JAN	0705	85	37.

1 JAN 0110	14	4.	*	1 JAN 0310	38	197.	*	1 JAN 0510	62	156.	*	1 JAN 0710	86	33.
1 JAN 0115	15	4.	*	1 JAN 0315	39	195.	*	1 JAN 0515	63	157.	*	1 JAN 0715	87	30.
1 JAN 0120	16	4.	*	1 JAN 0320	40	192.	*	1 JAN 0520	64	156.	*	1 JAN 0720	88	28.
1 JAN 0125	17	4.	*	1 JAN 0325	41	190.	*	1 JAN 0525	65	154.	*	1 JAN 0725	89	26.
1 JAN 0130	18	4.	*	1 JAN 0330	42	187.	*	1 JAN 0530	66	152.	*	1 JAN 0730	90	25.
1 JAN 0135	19	4.	*	1 JAN 0335	43	183.	*	1 JAN 0535	67	149.	*	1 JAN 0735	91	23.
1 JAN 0140	20	4.	*	1 JAN 0340	44	179.	*	1 JAN 0540	68	146.	*	1 JAN 0740	92	22.
1 JAN 0145	21	5.	*	1 JAN 0345	45	175.	*	1 JAN 0545	69	143.	*	1 JAN 0745	93	22.
1 JAN 0150	22	9.	*	1 JAN 0350	46	170.	*	1 JAN 0550	70	140.	*	1 JAN 0750	94	22.
1 JAN 0155	23	20.	*	1 JAN 0355	47	164.	*	1 JAN 0555	71	138.	*	1 JAN 0755	95	22.
1 JAN 0200	24	45.	*	1 JAN 0400	48	158.	*	1 JAN 0600	72	136.	*	1 JAN 0800	96	22.

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	7.92-HR
208.	2.67	127.	98.	98.	98.
		(INCHES)	0.588	0.588	0.588
		(AC-FT)	63.	64.	64.
CUMULATIVE AREA =		2.04 SQ MI			

HYDROGRAPH AT STATION TD2

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1 JAN 0005	1	0.	*	1 JAN 0205	25	142.	*	1 JAN 0405	49	343.	*	1 JAN 0605	73	315.					
1 JAN 0010	2	0.	*	1 JAN 0210	26	247.	*	1 JAN 0410	50	311.	*	1 JAN 0610	74	307.					
1 JAN 0015	3	0.	*	1 JAN 0215	27	359.	*	1 JAN 0415	51	290.	*	1 JAN 0615	75	292.					
1 JAN 0020	4	0.	*	1 JAN 0220	28	501.	*	1 JAN 0420	52	281.	*	1 JAN 0620	76	269.					
1 JAN 0025	5	0.	*	1 JAN 0225	29	634.	*	1 JAN 0425	53	283.	*	1 JAN 0625	77	240.					
1 JAN 0030	6	0.	*	1 JAN 0230	30	741.	*	1 JAN 0430	54	290.	*	1 JAN 0630	78	209.					
1 JAN 0035	7	0.	*	1 JAN 0235	31	819.	*	1 JAN 0435	55	301.	*	1 JAN 0635	79	176.					
1 JAN 0040	8	0.	*	1 JAN 0240	32	867.	*	1 JAN 0440	56	313.	*	1 JAN 0640	80	146.					
1 JAN 0045	9	0.	*	1 JAN 0245	33	887.	*	1 JAN 0445	57	326.	*	1 JAN 0645	81	117.					
1 JAN 0050	10	0.	*	1 JAN 0250	34	882.	*	1 JAN 0450	58	338.	*	1 JAN 0650	82	92.					
1 JAN 0055	11	0.	*	1 JAN 0255	35	862.	*	1 JAN 0455	59	350.	*	1 JAN 0655	83	76.					
1 JAN 0100	12	0.	*	1 JAN 0300	36	834.	*	1 JAN 0500	60	361.	*	1 JAN 0700	84	63.					
1 JAN 0105	13	0.	*	1 JAN 0305	37	803.	*	1 JAN 0505	61	370.	*	1 JAN 0705	85	53.					
1 JAN 0110	14	0.	*	1 JAN 0310	38	772.	*	1 JAN 0510	62	378.	*	1 JAN 0710	86	46.					
1 JAN 0115	15	0.	*	1 JAN 0315	39	744.	*	1 JAN 0515	63	381.	*	1 JAN 0715	87	42.					
1 JAN 0120	16	0.	*	1 JAN 0320	40	719.	*	1 JAN 0520	64	379.	*	1 JAN 0720	88	39.					
1 JAN 0125	17	0.	*	1 JAN 0325	41	695.	*	1 JAN 0525	65	373.	*	1 JAN 0725	89	36.					
1 JAN 0130	18	0.	*	1 JAN 0330	42	666.	*	1 JAN 0530	66	365.	*	1 JAN 0730	90	33.					
1 JAN 0135	19	0.	*	1 JAN 0335	43	630.	*	1 JAN 0535	67	356.	*	1 JAN 0735	91	31.					
1 JAN 0140	20	0.	*	1 JAN 0340	44	588.	*	1 JAN 0540	68	347.	*	1 JAN 0740	92	29.					
1 JAN 0145	21	2.	*	1 JAN 0345	45	540.	*	1 JAN 0545	69	339.	*	1 JAN 0745	93	29.					
1 JAN 0150	22	8.	*	1 JAN 0350	46	488.	*	1 JAN 0550	70	331.	*	1 JAN 0750	94	28.					
1 JAN 0155	23	26.	*	1 JAN 0355	47	434.	*	1 JAN 0555	71	325.	*	1 JAN 0755	95	28.					
1 JAN 0200	24	66.	*	1 JAN 0400	48	383.	*	1 JAN 0600	72	319.	*	1 JAN 0800	96	28.					

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	7.92-HR
887.	2.67	362.	275.	275.	275.
		(INCHES)	1.649	1.652	1.652
		(AC-FT)	179.	180.	180.
CUMULATIVE AREA =		2.04 SQ MI			

-----DSS---ZWRITE Unit 71; Vers. 2: /THIRD CR/BL INCLINE DIV/FLOW/01JAN1999/5MIN//

174 KK * T2R * Route rest Third Cr to SR 431 at 4 fps

HYDROGRAPH ROUTING DATA

175 RM MUSKINGUM ROUTING
 NSTPS 9 NUMBER OF SUBREACHES
 AMSKK 0.85 MUSKINGUM K
 X 0.40 MUSKINGUM X

HYDROGRAPH AT STATION T2R

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	0.	1	JAN	0205	25	0.	1	JAN	0405	49	752.	1	JAN	0605	73	376.
1	JAN	0010	2	0.	1	JAN	0210	26	0.	1	JAN	0410	50	725.	1	JAN	0610	74	375.
1	JAN	0015	3	0.	1	JAN	0215	27	0.	1	JAN	0415	51	697.	1	JAN	0615	75	371.
1	JAN	0020	4	0.	1	JAN	0220	28	0.	1	JAN	0420	52	667.	1	JAN	0620	76	365.
1	JAN	0025	5	0.	1	JAN	0225	29	0.	1	JAN	0425	53	631.	1	JAN	0625	77	357.
1	JAN	0030	6	0.	1	JAN	0230	30	2.	1	JAN	0430	54	591.	1	JAN	0630	78	349.
1	JAN	0035	7	0.	1	JAN	0235	31	6.	1	JAN	0435	55	545.	1	JAN	0635	79	341.
1	JAN	0040	8	0.	1	JAN	0240	32	17.	1	JAN	0440	56	496.	1	JAN	0640	80	334.
1	JAN	0045	9	0.	1	JAN	0245	33	42.	1	JAN	0445	57	446.	1	JAN	0645	81	327.
1	JAN	0050	10	0.	1	JAN	0250	34	87.	1	JAN	0450	58	400.	1	JAN	0650	82	321.
1	JAN	0055	11	0.	1	JAN	0255	35	156.	1	JAN	0455	59	360.	1	JAN	0655	83	314.
1	JAN	0100	12	0.	1	JAN	0300	36	246.	1	JAN	0500	60	328.	1	JAN	0700	84	303.
1	JAN	0105	13	0.	1	JAN	0305	37	356.	1	JAN	0505	61	306.	1	JAN	0705	85	288.
1	JAN	0110	14	0.	1	JAN	0310	38	476.	1	JAN	0510	62	294.	1	JAN	0710	86	267.
1	JAN	0115	15	0.	1	JAN	0315	39	593.	1	JAN	0515	63	291.	1	JAN	0715	87	242.
1	JAN	0120	16	0.	1	JAN	0320	40	695.	1	JAN	0520	64	294.	1	JAN	0720	88	213.
1	JAN	0125	17	0.	1	JAN	0325	41	774.	1	JAN	0525	65	302.	1	JAN	0725	89	183.
1	JAN	0130	18	0.	1	JAN	0330	42	828.	1	JAN	0530	66	312.	1	JAN	0730	90	154.
1	JAN	0135	19	0.	1	JAN	0335	43	856.	1	JAN	0535	67	324.	1	JAN	0735	91	126.
1	JAN	0140	20	0.	1	JAN	0340	44	863.	1	JAN	0540	68	335.	1	JAN	0740	92	103.
1	JAN	0145	21	0.	1	JAN	0345	45	853.	1	JAN	0545	69	347.	1	JAN	0745	93	84.
1	JAN	0150	22	0.	1	JAN	0350	46	832.	1	JAN	0550	70	357.	1	JAN	0750	94	70.
1	JAN	0155	23	0.	1	JAN	0355	47	807.	1	JAN	0555	71	366.	1	JAN	0755	95	58.
1	JAN	0200	24	0.	1	JAN	0400	48	779.	1	JAN	0600	72	373.	1	JAN	0800	96	50.

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	7.92-HR
863.	3.58	358.	271.	271.	271.
		(INCHES)	1.630	1.630	1.630
		(AC-FT)	177.	177.	177.
CUMULATIVE AREA =		2.04 SQ MI			

176 KK *****
 * TD2R * Recall Incline Lk diversion

HYDROGRAPH AT STATION TD2R

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	4.	1	JAN	0205	25	77.	1	JAN	0405	49	144.	1	JAN	0605	73	135.
1	JAN	0010	2	4.	1	JAN	0210	26	112.	1	JAN	0410	50	134.	1	JAN	0610	74	132.
1	JAN	0015	3	4.	1	JAN	0215	27	150.	1	JAN	0415	51	127.	1	JAN	0615	75	127.
1	JAN	0020	4	4.	1	JAN	0220	28	171.	1	JAN	0420	52	124.	1	JAN	0620	76	120.
1	JAN	0025	5	4.	1	JAN	0225	29	184.	1	JAN	0425	53	124.	1	JAN	0625	77	110.
1	JAN	0030	6	4.	1	JAN	0230	30	194.	1	JAN	0430	54	127.	1	JAN	0630	78	100.
1	JAN	0035	7	4.	1	JAN	0235	31	202.	1	JAN	0435	55	130.	1	JAN	0635	79	89.
1	JAN	0040	8	4.	1	JAN	0240	32	207.	1	JAN	0440	56	134.	1	JAN	0640	80	79.
1	JAN	0045	9	4.	1	JAN	0245	33	208.	1	JAN	0445	57	139.	1	JAN	0645	81	69.
1	JAN	0050	10	4.	1	JAN	0250	34	208.	1	JAN	0450	58	143.	1	JAN	0650	82	61.
1	JAN	0055	11	4.	1	JAN	0255	35	206.	1	JAN	0455	59	147.	1	JAN	0655	83	51.
1	JAN	0100	12	4.	1	JAN	0300	36	203.	1	JAN	0500	60	150.	1	JAN	0700	84	43.
1	JAN	0105	13	4.	1	JAN	0305	37	200.	1	JAN	0505	61	153.	1	JAN	0705	85	37.
1	JAN	0110	14	4.	1	JAN	0310	38	197.	1	JAN	0510	62	156.	1	JAN	0710	86	33.
1	JAN	0115	15	4.	1	JAN	0315	39	195.	1	JAN	0515	63	157.	1	JAN	0715	87	30.
1	JAN	0120	16	4.	1	JAN	0320	40	192.	1	JAN	0520	64	156.	1	JAN	0720	88	28.
1	JAN	0125	17	4.	1	JAN	0325	41	190.	1	JAN	0525	65	154.	1	JAN	0725	89	26.
1	JAN	0130	18	4.	1	JAN	0330	42	187.	1	JAN	0530	66	152.	1	JAN	0730	90	25.
1	JAN	0135	19	4.	1	JAN	0335	43	183.	1	JAN	0535	67	149.	1	JAN	0735	91	23.
1	JAN	0140	20	4.	1	JAN	0340	44	179.	1	JAN	0540	68	146.	1	JAN	0740	92	22.
1	JAN	0145	21	5.	1	JAN	0345	45	175.	1	JAN	0545	69	143.	1	JAN	0745	93	22.
1	JAN	0150	22	9.	1	JAN	0350	46	170.	1	JAN	0550	70	140.	1	JAN	0750	94	22.
1	JAN	0155	23	20.	1	JAN	0355	47	164.	1	JAN	0555	71	138.	1	JAN	0755	95	22.
1	JAN	0200	24	45.	1	JAN	0400	48	158.	1	JAN	0600	72	136.	1	JAN	0800	96	22.

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	7.92-HR
		(CFS)			

+ 208. 2.67 127. 98. 98. 98.
 (INCHES) 0.580 0.588 0.588 0.588
 (AC-FT) 63. 64. 64. 64.

CUMULATIVE AREA = 0.00 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 2: /THIRD CR/INCLINE DIV/FLOW/01JAN1999/5MIN//

180 KK *****
 * T2RB * Route diverted Third Cr Q to Incline Lk
 * *

HYDROGRAPH ROUTING DATA

181 RM MUSKINGUM ROUTING
 NSTPS 2 NUMBER OF SUBREACHES
 AMSKK 0.19 MUSKINGUM K
 X 0.40 MUSKINGUM X

HYDROGRAPH AT STATION T2RB

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	JAN	0005	1	4.	*	1	JAN	0205	25	19.	*	1	JAN	0405	49	166.	*	1	JAN	0605	73	139.	*
1	JAN	0010	2	4.	*	1	JAN	0210	26	40.	*	1	JAN	0410	50	159.	*	1	JAN	0610	74	137.	*
1	JAN	0015	3	4.	*	1	JAN	0215	27	69.	*	1	JAN	0415	51	148.	*	1	JAN	0615	75	135.	*
1	JAN	0020	4	4.	*	1	JAN	0220	28	103.	*	1	JAN	0420	52	137.	*	1	JAN	0620	76	133.	*
1	JAN	0025	5	4.	*	1	JAN	0225	29	138.	*	1	JAN	0425	53	129.	*	1	JAN	0625	77	128.	*
1	JAN	0030	6	4.	*	1	JAN	0230	30	163.	*	1	JAN	0430	54	125.	*	1	JAN	0630	78	122.	*
1	JAN	0035	7	4.	*	1	JAN	0235	31	179.	*	1	JAN	0435	55	125.	*	1	JAN	0635	79	113.	*
1	JAN	0040	8	4.	*	1	JAN	0240	32	191.	*	1	JAN	0440	56	126.	*	1	JAN	0640	80	102.	*
1	JAN	0045	9	4.	*	1	JAN	0245	33	199.	*	1	JAN	0445	57	129.	*	1	JAN	0645	81	92.	*
1	JAN	0050	10	4.	*	1	JAN	0250	34	205.	*	1	JAN	0450	58	133.	*	1	JAN	0650	82	81.	*
1	JAN	0055	11	4.	*	1	JAN	0255	35	208.	*	1	JAN	0455	59	137.	*	1	JAN	0655	83	72.	*
1	JAN	0100	12	4.	*	1	JAN	0300	36	208.	*	1	JAN	0500	60	142.	*	1	JAN	0700	84	63.	*
1	JAN	0105	13	4.	*	1	JAN	0305	37	206.	*	1	JAN	0505	61	146.	*	1	JAN	0705	85	54.	*
1	JAN	0110	14	4.	*	1	JAN	0310	38	204.	*	1	JAN	0510	62	149.	*	1	JAN	0710	86	46.	*
1	JAN	0115	15	4.	*	1	JAN	0315	39	201.	*	1	JAN	0515	63	152.	*	1	JAN	0715	87	39.	*
1	JAN	0120	16	4.	*	1	JAN	0320	40	198.	*	1	JAN	0520	64	155.	*	1	JAN	0720	88	34.	*
1	JAN	0125	17	4.	*	1	JAN	0325	41	195.	*	1	JAN	0525	65	156.	*	1	JAN	0725	89	31.	*
1	JAN	0130	18	4.	*	1	JAN	0330	42	193.	*	1	JAN	0530	66	156.	*	1	JAN	0730	90	29.	*
1	JAN	0135	19	4.	*	1	JAN	0335	43	190.	*	1	JAN	0535	67	155.	*	1	JAN	0735	91	27.	*
1	JAN	0140	20	4.	*	1	JAN	0340	44	188.	*	1	JAN	0540	68	152.	*	1	JAN	0740	92	25.	*
1	JAN	0145	21	4.	*	1	JAN	0345	45	184.	*	1	JAN	0545	69	149.	*	1	JAN	0745	93	24.	*
1	JAN	0150	22	4.	*	1	JAN	0350	46	180.	*	1	JAN	0550	70	147.	*	1	JAN	0750	94	23.	*
1	JAN	0155	23	5.	*	1	JAN	0355	47	176.	*	1	JAN	0555	71	144.	*	1	JAN	0755	95	22.	*
1	JAN	0200	24	9.	*	1	JAN	0400	48	171.	*	1	JAN	0600	72	141.	*	1	JAN	0800	96	22.	*

PEAK FLOW TIME MAXIMUM AVERAGE FLOW
 + (CFS) (HR) 6-HR 24-HR 72-HR 7.92-HR
 + 208. 2.92 127. 97. 97. 97.
 (INCHES) 0.000 0.000 0.000 0.000
 (AC-FT) 63. 64. 64. 64.

CUMULATIVE AREA = 0.00 SQ MI

182 KK *****
 * T3 * Incline Lake
 * *

186 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 15 TIME INTERVAL IN MINUTES
 JXDATE 1JAN99 STARTING DATE
 JXTIME 5 STARTING TIME

SUBBASIN RUNOFF DATA

183 BA SUBBASIN CHARACTERISTICS
 TAREA 0.46 SUBBASIN AREA

184 BF BASE FLOW CHARACTERISTICS
 STRTO 0.00 INITIAL FLOW
 QRCSN -0.05 BEGIN BASE FLOW RECESSION
 RTIOR 1.50000 RECESSION CONSTANT

PRECIPITATION DATA

185 PB STORM 4.46 BASIN TOTAL PRECIPITATION

187 PI INCREMENTAL PRECIPITATION PATTERN

0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1.00
1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	1.00	3.67	3.67
3.67	7.00	7.00	7.00	4.00	4.00	4.00	2.33	2.33	2.33	66.
1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	0.67	0.67
0.67	0.67	0.33	0.33	0.33	0.33	0.33	0.33	0.33	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67									

191 LS SCS LOSS RATE
 STRTL 1.21 INITIAL ABSTRACTION
 CRVNR 62.30 CURVE NUMBER
 RTIMP 0.00 PERCENT IMPERVIOUS AREA

192 UI INPUT UNITGRAPH, 7 ORDINATES, VOLUME = 1.00
 728.0 1221.0 793.0 417.0 227.0 122.0 50.0

HYDROGRAPH AT STATION T3

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	0005	1	0.00	0.00	0.00	0.	1	JAN	0405	49	0.01	0.01	0.01	26.
1	JAN	0010	2	0.03	0.03	0.00	0.	1	JAN	0410	50	0.04	0.02	0.02	36.
1	JAN	0015	3	0.03	0.03	0.00	0.	1	JAN	0415	51	0.04	0.02	0.02	54.
1	JAN	0020	4	0.03	0.03	0.00	0.	1	JAN	0420	52	0.04	0.02	0.02	66.
1	JAN	0025	5	0.03	0.03	0.00	0.	1	JAN	0425	53	0.04	0.02	0.02	72.
1	JAN	0030	6	0.03	0.03	0.00	0.	1	JAN	0430	54	0.04	0.02	0.02	76.
1	JAN	0035	7	0.03	0.03	0.00	0.	1	JAN	0435	55	0.04	0.02	0.02	79.
1	JAN	0040	8	0.03	0.03	0.00	0.	1	JAN	0440	56	0.04	0.02	0.02	81.
1	JAN	0045	9	0.03	0.03	0.00	0.	1	JAN	0445	57	0.04	0.02	0.02	81.
1	JAN	0050	10	0.03	0.03	0.00	0.	1	JAN	0450	58	0.04	0.02	0.02	82.
1	JAN	0055	11	0.04	0.04	0.00	0.	1	JAN	0455	59	0.04	0.02	0.02	83.
1	JAN	0100	12	0.04	0.04	0.00	0.	1	JAN	0500	60	0.04	0.02	0.02	84.
1	JAN	0105	13	0.04	0.04	0.00	0.	1	JAN	0505	61	0.04	0.02	0.02	84.
1	JAN	0110	14	0.01	0.01	0.00	0.	1	JAN	0510	62	0.03	0.01	0.02	79.
1	JAN	0115	15	0.01	0.01	0.00	0.	1	JAN	0515	63	0.03	0.01	0.02	70.
1	JAN	0120	16	0.01	0.01	0.00	0.	1	JAN	0520	64	0.03	0.01	0.02	64.
1	JAN	0125	17	0.04	0.04	0.00	0.	1	JAN	0525	65	0.03	0.01	0.02	61.
1	JAN	0130	18	0.04	0.04	0.00	0.	1	JAN	0530	66	0.03	0.01	0.02	60.
1	JAN	0135	19	0.04	0.04	0.00	0.	1	JAN	0535	67	0.03	0.01	0.02	59.
1	JAN	0140	20	0.16	0.16	0.00	0.	1	JAN	0540	68	0.03	0.01	0.02	59.
1	JAN	0145	21	0.16	0.16	0.00	0.	1	JAN	0545	69	0.03	0.01	0.02	59.
1	JAN	0150	22	0.16	0.16	0.00	0.	1	JAN	0550	70	0.03	0.01	0.02	59.
1	JAN	0155	23	0.31	0.31	0.00	3.	1	JAN	0555	71	0.03	0.01	0.02	60.
1	JAN	0200	24	0.31	0.28	0.03	29.	1	JAN	0600	72	0.03	0.01	0.02	60.
1	JAN	0205	25	0.31	0.26	0.06	83.	1	JAN	0605	73	0.03	0.01	0.02	60.
1	JAN	0210	26	0.18	0.14	0.04	127.	1	JAN	0610	74	0.00	0.00	0.00	48.
1	JAN	0215	27	0.18	0.13	0.05	147.	1	JAN	0615	75	0.00	0.00	0.00	27.
1	JAN	0220	28	0.18	0.12	0.06	166.	1	JAN	0620	76	0.00	0.00	0.00	14.
1	JAN	0225	29	0.10	0.07	0.04	167.	1	JAN	0625	77	0.00	0.00	0.00	8.
1	JAN	0230	30	0.10	0.07	0.04	153.	1	JAN	0630	78	0.00	0.00	0.00	8.
1	JAN	0235	31	0.10	0.07	0.04	144.	1	JAN	0635	79	0.00	0.00	0.00	8.
1	JAN	0240	32	0.06	0.04	0.02	129.	1	JAN	0640	80	0.00	0.00	0.00	8.
1	JAN	0245	33	0.06	0.04	0.02	109.	1	JAN	0645	81	0.00	0.00	0.00	7.
1	JAN	0250	34	0.06	0.04	0.02	96.	1	JAN	0650	82	0.00	0.00	0.00	7.
1	JAN	0255	35	0.06	0.03	0.02	91.	1	JAN	0655	83	0.00	0.00	0.00	7.
1	JAN	0300	36	0.06	0.03	0.03	89.	1	JAN	0700	84	0.00	0.00	0.00	7.
1	JAN	0305	37	0.06	0.03	0.03	89.	1	JAN	0705	85	0.00	0.00	0.00	6.
1	JAN	0310	38	0.06	0.03	0.03	90.	1	JAN	0710	86	0.00	0.00	0.00	6.
1	JAN	0315	39	0.06	0.03	0.03	92.	1	JAN	0715	87	0.00	0.00	0.00	6.
1	JAN	0320	40	0.06	0.03	0.03	94.	1	JAN	0720	88	0.00	0.00	0.00	6.
1	JAN	0325	41	0.03	0.02	0.01	85.	1	JAN	0725	89	0.00	0.00	0.00	6.
1	JAN	0330	42	0.03	0.02	0.01	70.	1	JAN	0730	90	0.00	0.00	0.00	5.
1	JAN	0335	43	0.03	0.02	0.01	60.	1	JAN	0735	91	0.00	0.00	0.00	5.
1	JAN	0340	44	0.01	0.01	0.01	50.	1	JAN	0740	92	0.00	0.00	0.00	5.
1	JAN	0345	45	0.01	0.01	0.01	38.	1	JAN	0745	93	0.00	0.00	0.00	5.
1	JAN	0350	46	0.01	0.01	0.01	31.	1	JAN	0750	94	0.00	0.00	0.00	5.
1	JAN	0355	47	0.01	0.01	0.01	28.	1	JAN	0755	95	0.00	0.00	0.00	5.
1	JAN	0400	48	0.01	0.01	0.01	26.	1	JAN	0800	96	0.00	0.00	0.00	4.

TOTAL RAINFALL = 4.46, TOTAL LOSS = 3.32, TOTAL EXCESS = 1.14

PEAK FLOW	TIME	6-HR	24-HR	72-HR	7.92-HR
(CFS)	(HR)	(CFS)			
+	167.	2.33	58.	44.	44.
+					44.

(INCHES) 1.163 1.165 1.165 1.165
 (AC-FT) 29. 29. 29. 29.

CUMULATIVE AREA = 0.46 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 2: /WF THIRD CR/INCLINE LK/FLOW/01JAN1999/5MIN//

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*          *
*      T3C *   Combine Incline Lake and diversion
*          *
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195 HC HYDROGRAPH COMBINATION
 ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION T3C
 SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	4.	1	JAN	0205	25	102.	1	JAN	0405	49	191.	1	JAN	0605	73	199.
1	JAN	0010	2	4.	1	JAN	0210	26	167.	1	JAN	0410	50	195.	1	JAN	0610	74	185.
1	JAN	0015	3	4.	1	JAN	0215	27	217.	1	JAN	0415	51	202.	1	JAN	0615	75	163.
1	JAN	0020	4	4.	1	JAN	0220	28	269.	1	JAN	0420	52	203.	1	JAN	0620	76	147.
1	JAN	0025	5	4.	1	JAN	0225	29	306.	1	JAN	0425	53	202.	1	JAN	0625	77	137.
1	JAN	0030	6	4.	1	JAN	0230	30	316.	1	JAN	0430	54	202.	1	JAN	0630	78	130.
1	JAN	0035	7	4.	1	JAN	0235	31	323.	1	JAN	0435	55	204.	1	JAN	0635	79	120.
1	JAN	0040	8	4.	1	JAN	0240	32	320.	1	JAN	0440	56	207.	1	JAN	0640	80	110.
1	JAN	0045	9	4.	1	JAN	0245	33	308.	1	JAN	0445	57	211.	1	JAN	0645	81	99.
1	JAN	0050	10	4.	1	JAN	0250	34	301.	1	JAN	0450	58	216.	1	JAN	0650	82	89.
1	JAN	0055	11	4.	1	JAN	0255	35	298.	1	JAN	0455	59	220.	1	JAN	0655	83	79.
1	JAN	0100	12	4.	1	JAN	0300	36	297.	1	JAN	0500	60	225.	1	JAN	0700	84	70.
1	JAN	0105	13	4.	1	JAN	0305	37	295.	1	JAN	0505	61	230.	1	JAN	0705	85	60.
1	JAN	0110	14	4.	1	JAN	0310	38	294.	1	JAN	0510	62	228.	1	JAN	0710	86	52.
1	JAN	0115	15	4.	1	JAN	0315	39	293.	1	JAN	0515	63	222.	1	JAN	0715	87	45.
1	JAN	0120	16	4.	1	JAN	0320	40	292.	1	JAN	0520	64	219.	1	JAN	0720	88	40.
1	JAN	0125	17	4.	1	JAN	0325	41	281.	1	JAN	0525	65	217.	1	JAN	0725	89	37.
1	JAN	0130	18	4.	1	JAN	0330	42	263.	1	JAN	0530	66	216.	1	JAN	0730	90	34.
1	JAN	0135	19	4.	1	JAN	0335	43	250.	1	JAN	0535	67	214.	1	JAN	0735	91	32.
1	JAN	0140	20	4.	1	JAN	0340	44	237.	1	JAN	0540	68	211.	1	JAN	0740	92	30.
1	JAN	0145	21	4.	1	JAN	0345	45	223.	1	JAN	0545	69	209.	1	JAN	0745	93	29.
1	JAN	0150	22	4.	1	JAN	0350	46	212.	1	JAN	0550	70	206.	1	JAN	0750	94	27.
1	JAN	0155	23	8.	1	JAN	0355	47	204.	1	JAN	0555	71	204.	1	JAN	0755	95	27.
1	JAN	0200	24	37.	1	JAN	0400	48	197.	1	JAN	0600	72	201.	1	JAN	0800	96	26.

PEAK FLOW	TIME	MAXIMUM	AVERAGE FLOW		
(CFS)	(HR)	6-HR	24-HR	72-HR	7.92-HR
323.	2.50	185.	141.	141.	141.
		(INCHES)	3.730	3.761	3.761
		(AC-FT)	92.	92.	92.

CUMULATIVE AREA = 0.46 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 2: /THIRD CR/RES INFLOW/FLOW/01JAN1999/5MIN//

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*          *
*      TRR *   Incline Lake reservoir routing
*          *
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Route through Incline Lake

HYDROGRAPH ROUTING DATA

199 RS	STORAGE ROUTING	1	NUMBER OF SUBREACHES								
	NSTPS	STOR	TYPE OF INITIAL CONDITION								
	ITYP	146.00	INITIAL CONDITION								
	RSVRIC	0.00	WORKING R AND D COEFFICIENT								
	X										
200 SV	STORAGE	135.0	157.0	166.0	177.0	197.0	218.0	239.0	261.0	274.0	285.0
		309.0	335.0								
202 SQ	DISCHARGE	3.	3.	3.	3.	24.	113.	239.	393.	571.	668.

1561. 5096.
 204 SE ELEVATION 8316.00 8317.00 8317.50 8318.00 8319.00 8320.00 8321.00 8322.00 8322.50 8323.00
 8324.00 8325.00

HYDROGRAPH AT STATION TRR

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE		
1	JAN	0005	1	3.	146.0	8316.5	*	1	JAN	0245	33	3.	161.2	8317.2	*	1	JAN	0525	65	72.	208.4	8319.5
1	JAN	0010	2	3.	146.0	8316.5	*	1	JAN	0250	34	3.	163.2	8317.3	*	1	JAN	0530	66	77.	209.4	8319.6
1	JAN	0015	3	3.	146.0	8316.5	*	1	JAN	0255	35	3.	165.3	8317.5	*	1	JAN	0535	67	81.	210.3	8319.6
1	JAN	0020	4	3.	146.0	8316.5	*	1	JAN	0300	36	3.	167.3	8317.6	*	1	JAN	0540	68	84.	211.2	8319.7
1	JAN	0025	5	3.	146.0	8316.5	*	1	JAN	0305	37	3.	169.3	8317.7	*	1	JAN	0545	69	88.	212.1	8319.7
1	JAN	0030	6	3.	146.0	8316.5	*	1	JAN	0310	38	3.	171.3	8317.7	*	1	JAN	0550	70	91.	212.9	8319.8
1	JAN	0035	7	3.	146.0	8316.5	*	1	JAN	0315	39	3.	173.3	8317.8	*	1	JAN	0555	71	95.	213.7	8319.8
1	JAN	0040	8	3.	146.0	8316.5	*	1	JAN	0320	40	3.	175.3	8317.9	*	1	JAN	0600	72	98.	214.4	8319.8
1	JAN	0045	9	3.	146.0	8316.5	*	1	JAN	0325	41	4.	177.3	8318.0	*	1	JAN	0605	73	101.	215.1	8319.9
1	JAN	0050	10	3.	146.1	8316.5	*	1	JAN	0330	42	6.	179.1	8318.1	*	1	JAN	0610	74	103.	215.7	8319.9
1	JAN	0055	11	3.	146.1	8316.5	*	1	JAN	0335	43	7.	180.8	8318.2	*	1	JAN	0615	75	105.	216.2	8319.9
1	JAN	0100	12	3.	146.1	8316.5	*	1	JAN	0340	44	9.	182.4	8318.3	*	1	JAN	0620	76	107.	216.5	8319.9
1	JAN	0105	13	3.	146.1	8316.5	*	1	JAN	0345	45	11.	184.0	8318.3	*	1	JAN	0625	77	108.	216.8	8319.9
1	JAN	0110	14	3.	146.1	8316.5	*	1	JAN	0350	46	12.	185.4	8318.4	*	1	JAN	0630	78	109.	216.9	8320.0
1	JAN	0115	15	3.	146.1	8316.5	*	1	JAN	0355	47	13.	186.7	8318.5	*	1	JAN	0635	79	109.	217.1	8320.0
1	JAN	0120	16	3.	146.1	8316.5	*	1	JAN	0400	48	15.	188.0	8318.6	*	1	JAN	0640	80	109.	217.1	8320.0
1	JAN	0125	17	3.	146.1	8316.5	*	1	JAN	0405	49	16.	189.2	8318.6	*	1	JAN	0645	81	109.	217.1	8320.0
1	JAN	0130	18	3.	146.1	8316.5	*	1	JAN	0410	50	17.	190.5	8318.7	*	1	JAN	0650	82	109.	217.0	8320.0
1	JAN	0135	19	3.	146.1	8316.5	*	1	JAN	0415	51	19.	191.7	8318.7	*	1	JAN	0655	83	108.	216.8	8319.9
1	JAN	0140	20	3.	146.1	8316.5	*	1	JAN	0420	52	20.	193.0	8318.8	*	1	JAN	0700	84	107.	216.6	8319.9
1	JAN	0145	21	3.	146.1	8316.5	*	1	JAN	0425	53	21.	194.2	8318.9	*	1	JAN	0705	85	106.	216.3	8319.9
1	JAN	0150	22	3.	146.1	8316.5	*	1	JAN	0430	54	22.	195.5	8318.9	*	1	JAN	0710	86	104.	215.9	8319.9
1	JAN	0155	23	3.	146.1	8316.5	*	1	JAN	0435	55	24.	196.7	8319.0	*	1	JAN	0715	87	103.	215.6	8319.9
1	JAN	0200	24	3.	146.3	8316.5	*	1	JAN	0440	56	28.	197.9	8319.0	*	1	JAN	0720	88	101.	215.2	8319.9
1	JAN	0205	25	3.	146.7	8316.5	*	1	JAN	0445	57	33.	199.2	8319.1	*	1	JAN	0725	89	99.	214.7	8319.8
1	JAN	0210	26	3.	147.6	8316.6	*	1	JAN	0450	58	38.	200.4	8319.2	*	1	JAN	0730	90	97.	214.3	8319.8
1	JAN	0215	27	3.	148.9	8316.6	*	1	JAN	0455	59	43.	201.6	8319.2	*	1	JAN	0735	91	95.	213.9	8319.8
1	JAN	0220	28	3.	150.6	8316.7	*	1	JAN	0500	60	49.	202.8	8319.3	*	1	JAN	0740	92	94.	213.4	8319.8
1	JAN	0225	29	3.	152.5	8316.8	*	1	JAN	0505	61	54.	204.0	8319.3	*	1	JAN	0745	93	92.	213.0	8319.8
1	JAN	0230	30	3.	154.7	8316.9	*	1	JAN	0510	62	59.	205.2	8319.4	*	1	JAN	0750	94	90.	212.6	8319.7
1	JAN	0235	31	3.	156.8	8317.0	*	1	JAN	0515	63	64.	206.3	8319.4	*	1	JAN	0755	95	88.	212.1	8319.7
1	JAN	0240	32	3.	159.0	8317.1	*	1	JAN	0520	64	68.	207.4	8319.5	*	1	JAN	0800	96	86.	211.7	8319.7

PEAK FLOW	TIME		6-HR	24-HR	72-HR	7.92-HR
+	(CFS)	(HR)				
+	109.	6.58	53.	41.	41.	41.
		(INCHES)	1.063	1.083	1.083	1.083
		(AC-FT)	26.	27.	27.	27.
PEAK STORAGE	TIME		6-HR	24-HR	72-HR	7.92-HR
+	(AC-FT)	(HR)				
+	217.	6.58	195.	183.	183.	183.
PEAK STAGE	TIME		6-HR	24-HR	72-HR	7.92-HR
+	(FEET)	(HR)				
+	8319.96	6.58	8318.88	8318.30	8318.30	8318.30

CUMULATIVE AREA = 0.46 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 2: /THIRD CR CR/RES OUTFLOW/FLOW/01JAN1999/SMIN//

207 KK TRR2 Route res out to Third Cr SR 431 at 4 fps

HYDROGRAPH ROUTING DATA

208 RM MUSKINGUM ROUTING
 NSTPS 7 NUMBER OF SUBREACHES
 AMSKK 0.72 MUSKINGUM K
 X 0.40 MUSKINGUM X

HYDROGRAPH AT STATION TRR2

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	3.	1	JAN	0205	25	3.	1	JAN	0405	49	4.	1	JAN	0605	73	69.
1	JAN	0010	2	3.	1	JAN	0210	26	3.	1	JAN	0410	50	5.	1	JAN	0610	74	74.
1	JAN	0015	3	3.	1	JAN	0215	27	3.	1	JAN	0415	51	6.	1	JAN	0615	75	78.
1	JAN	0020	4	3.	1	JAN	0220	28	3.	1	JAN	0420	52	8.	1	JAN	0620	76	82.
1	JAN	0025	5	3.	1	JAN	0225	29	3.	1	JAN	0425	53	10.	1	JAN	0625	77	85.
1	JAN	0030	6	3.	1	JAN	0230	30	3.	1	JAN	0430	54	11.	1	JAN	0630	78	89.
1	JAN	0035	7	3.	1	JAN	0235	31	3.	1	JAN	0435	55	12.	1	JAN	0635	79	92.
1	JAN	0040	8	3.	1	JAN	0240	32	3.	1	JAN	0440	56	14.	1	JAN	0640	80	96.
1	JAN	0045	9	3.	1	JAN	0245	33	3.	1	JAN	0445	57	15.	1	JAN	0645	81	99.
1	JAN	0050	10	3.	1	JAN	0250	34	3.	1	JAN	0450	58	16.	1	JAN	0650	82	101.
1	JAN	0055	11	3.	1	JAN	0255	35	3.	1	JAN	0455	59	18.	1	JAN	0655	83	104.
1	JAN	0100	12	3.	1	JAN	0300	36	3.	1	JAN	0500	60	19.	1	JAN	0700	84	105.
1	JAN	0105	13	3.	1	JAN	0305	37	3.	1	JAN	0505	61	20.	1	JAN	0705	85	107.
1	JAN	0110	14	3.	1	JAN	0310	38	3.	1	JAN	0510	62	22.	1	JAN	0710	86	108.
1	JAN	0115	15	3.	1	JAN	0315	39	3.	1	JAN	0515	63	24.	1	JAN	0715	87	108.
1	JAN	0120	16	3.	1	JAN	0320	40	3.	1	JAN	0520	64	27.	1	JAN	0720	88	109.
1	JAN	0125	17	3.	1	JAN	0325	41	3.	1	JAN	0525	65	31.	1	JAN	0725	89	109.
1	JAN	0130	18	3.	1	JAN	0330	42	3.	1	JAN	0530	66	35.	1	JAN	0730	90	109.
1	JAN	0135	19	3.	1	JAN	0335	43	3.	1	JAN	0535	67	40.	1	JAN	0735	91	108.
1	JAN	0140	20	3.	1	JAN	0340	44	3.	1	JAN	0540	68	45.	1	JAN	0740	92	107.
1	JAN	0145	21	3.	1	JAN	0345	45	3.	1	JAN	0545	69	50.	1	JAN	0745	93	106.
1	JAN	0150	22	3.	1	JAN	0350	46	3.	1	JAN	0550	70	55.	1	JAN	0750	94	105.
1	JAN	0155	23	3.	1	JAN	0355	47	3.	1	JAN	0555	71	60.	1	JAN	0755	95	104.
1	JAN	0200	24	3.	1	JAN	0400	48	3.	1	JAN	0600	72	65.	1	JAN	0800	96	102.

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	7.92-HR
109.	7.33	42.	32.	32.	32.
		(INCHES)	0.841	0.861	0.861
		(AC-FT)	21.	21.	21.
CUMULATIVE AREA =		0.46 SQ MI			

209 KK *****
 * TRRC * Return res out to Third Cr at SR 431
 * *****

210 HC HYDROGRAPH COMBINATION
 ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION TRRC
 SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	3.	1	JAN	0205	25	3.	1	JAN	0405	49	756.	1	JAN	0605	73	445.
1	JAN	0010	2	3.	1	JAN	0210	26	3.	1	JAN	0410	50	730.	1	JAN	0610	74	449.
1	JAN	0015	3	3.	1	JAN	0215	27	3.	1	JAN	0415	51	704.	1	JAN	0615	75	449.
1	JAN	0020	4	3.	1	JAN	0220	28	3.	1	JAN	0420	52	675.	1	JAN	0620	76	447.
1	JAN	0025	5	3.	1	JAN	0225	29	3.	1	JAN	0425	53	641.	1	JAN	0625	77	443.
1	JAN	0030	6	3.	1	JAN	0230	30	5.	1	JAN	0430	54	602.	1	JAN	0630	78	438.
1	JAN	0035	7	3.	1	JAN	0235	31	9.	1	JAN	0435	55	557.	1	JAN	0635	79	434.
1	JAN	0040	8	3.	1	JAN	0240	32	20.	1	JAN	0440	56	510.	1	JAN	0640	80	429.
1	JAN	0045	9	3.	1	JAN	0245	33	45.	1	JAN	0445	57	462.	1	JAN	0645	81	426.
1	JAN	0050	10	3.	1	JAN	0250	34	90.	1	JAN	0450	58	417.	1	JAN	0650	82	422.
1	JAN	0055	11	3.	1	JAN	0255	35	159.	1	JAN	0455	59	378.	1	JAN	0655	83	417.
1	JAN	0100	12	3.	1	JAN	0300	36	250.	1	JAN	0500	60	347.	1	JAN	0700	84	409.
1	JAN	0105	13	3.	1	JAN	0305	37	359.	1	JAN	0505	61	326.	1	JAN	0705	85	395.
1	JAN	0110	14	3.	1	JAN	0310	38	479.	1	JAN	0510	62	316.	1	JAN	0710	86	375.
1	JAN	0115	15	3.	1	JAN	0315	39	596.	1	JAN	0515	63	314.	1	JAN	0715	87	350.
1	JAN	0120	16	3.	1	JAN	0320	40	698.	1	JAN	0520	64	321.	1	JAN	0720	88	322.
1	JAN	0125	17	3.	1	JAN	0325	41	778.	1	JAN	0525	65	332.	1	JAN	0725	89	292.
1	JAN	0130	18	3.	1	JAN	0330	42	831.	1	JAN	0530	66	348.	1	JAN	0730	90	262.
1	JAN	0135	19	3.	1	JAN	0335	43	860.	1	JAN	0535	67	364.	1	JAN	0735	91	234.
1	JAN	0140	20	3.	1	JAN	0340	44	866.	1	JAN	0540	68	381.	1	JAN	0740	92	210.
1	JAN	0145	21	3.	1	JAN	0345	45	856.	1	JAN	0545	69	397.	1	JAN	0745	93	190.
1	JAN	0150	22	3.	1	JAN	0350	46	836.	1	JAN	0550	70	413.	1	JAN	0750	94	175.
1	JAN	0155	23	3.	1	JAN	0355	47	810.	1	JAN	0555	71	427.	1	JAN	0755	95	162.
1	JAN	0200	24	3.	1	JAN	0400	48	782.	1	JAN	0600	72	438.	1	JAN	0800	96	152.

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
+ (CFS)	(HR)		6-HR	24-HR	72-HR	7.92-HR
+ 866.	3.58	(CFS)	399.	303.	303.	303.
		(INCHES)	1.485	1.489	1.489	1.489
		(AC-FT)	198.	198.	198.	198.
CUMULATIVE AREA =			2.50 SQ MI			

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*   T4     *   Third Cr at SR 431
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215 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 15 TIME INTERVAL IN MINUTES
 JXDATE 1JAN99 STARTING DATE
 JXTIME 5 STARTING TIME

SUBBASIN RUNOFF DATA

212 BA SUBBASIN CHARACTERISTICS
 TAREA 1.78 SUBBASIN AREA

213 BF BASE FLOW CHARACTERISTICS
 STRTQ 0.00 INITIAL FLOW
 QRCSN -0.05 BEGIN BASE FLOW RECESION
 RTIOR 1.50000 RECESION CONSTANT

PRECIPITATION DATA

214 PB STORM 4.09 BASIN TOTAL PRECIPITATION

216 PI INCREMENTAL PRECIPITATION PATTERN

0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1.00
1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	3.67	3.67
3.67	7.00	7.00	7.00	4.00	4.00	4.00	2.33	2.33	2.33
1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	0.67
0.67	0.67	0.33	0.33	0.33	0.33	0.33	0.33	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67								

220 LS SCS LOSS RATE
 STRTL 0.88 INITIAL ABSTRACTION
 CRVNR 69.44 CURVE NUMBER
 RTIMP 0.00 PERCENT IMPERVIOUS AREA

221 UI INPUT UNITGRAPH, 38 ORDINATES, VOLUME = 1.00

120.0	361.0	564.0	744.0	860.0	991.0	974.0	949.0	894.0	814.0
748.0	683.0	619.0	557.0	495.0	436.0	373.0	330.0	290.0	257.0
231.0	204.0	183.0	162.0	146.0	131.0	116.0	100.0	89.0	80.0
69.0	57.0	45.0	38.0	31.0	21.0	13.0	5.0		

HYDROGRAPH AT STATION T4

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	0005	1	0.00	0.00	0.00	0.	*	1	JAN	0405	49	0.01	0.01	0.01	310.
1	JAN	0010	2	0.03	0.03	0.00	0.	*	1	JAN	0410	50	0.04	0.02	0.02	292.
1	JAN	0015	3	0.03	0.03	0.00	0.	*	1	JAN	0415	51	0.04	0.02	0.02	279.
1	JAN	0020	4	0.03	0.03	0.00	0.	*	1	JAN	0420	52	0.04	0.02	0.02	271.
1	JAN	0025	5	0.03	0.03	0.00	0.	*	1	JAN	0425	53	0.04	0.02	0.02	267.
1	JAN	0030	6	0.03	0.03	0.00	0.	*	1	JAN	0430	54	0.04	0.02	0.02	267.
1	JAN	0035	7	0.03	0.03	0.00	0.	*	1	JAN	0435	55	0.04	0.02	0.02	269.
1	JAN	0040	8	0.03	0.03	0.00	0.	*	1	JAN	0440	56	0.04	0.02	0.03	274.
1	JAN	0045	9	0.03	0.03	0.00	0.	*	1	JAN	0445	57	0.04	0.02	0.03	279.
1	JAN	0050	10	0.03	0.03	0.00	0.	*	1	JAN	0450	58	0.04	0.02	0.03	284.
1	JAN	0055	11	0.04	0.04	0.00	0.	*	1	JAN	0455	59	0.04	0.02	0.03	289.
1	JAN	0100	12	0.04	0.04	0.00	0.	*	1	JAN	0500	60	0.04	0.02	0.03	294.
1	JAN	0105	13	0.04	0.04	0.00	0.	*	1	JAN	0505	61	0.04	0.02	0.03	299.
1	JAN	0110	14	0.01	0.01	0.00	0.	*	1	JAN	0510	62	0.03	0.01	0.02	303.
1	JAN	0115	15	0.01	0.01	0.00	0.	*	1	JAN	0515	63	0.03	0.01	0.02	304.
1	JAN	0120	16	0.01	0.01	0.00	0.	*	1	JAN	0520	64	0.03	0.01	0.02	304.
1	JAN	0125	17	0.04	0.04	0.00	0.	*	1	JAN	0525	65	0.03	0.01	0.02	302.
1	JAN	0130	18	0.04	0.04	0.00	0.	*	1	JAN	0530	66	0.03	0.01	0.02	299.
1	JAN	0135	19	0.04	0.04	0.00	0.	*	1	JAN	0535	67	0.03	0.01	0.02	294.
1	JAN	0140	20	0.15	0.15	0.00	0.	*	1	JAN	0540	68	0.03	0.01	0.02	289.
1	JAN	0145	21	0.15	0.15	0.00	0.	*	1	JAN	0545	69	0.03	0.01	0.02	284.
1	JAN	0150	22	0.15	0.15	0.00	0.	*	1	JAN	0550	70	0.03	0.01	0.02	280.
1	JAN	0155	23	0.29	0.26	0.03	4.	*	1	JAN	0555	71	0.03	0.01	0.02	276.

(CFS)	(HR)	(CFS)	6-HR	24-HR	72-HR	7.92-HR
1287.	3.50		657.	499.	499.	499.
		(INCHES)	1.427	1.430	1.430	1.430
		(AC-FT)	326.	326.	326.	326.

CUMULATIVE AREA = 4.28 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 2: /THIRD CR/SR431 PT18/FLOW/01JAN1999/5MIN//

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229 KK *      T4R *      Route Third to Village Bl at 3 fps
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HYDROGRAPH ROUTING DATA

230 RM MUSKINGUM ROUTING
 NSTPS 2 NUMBER OF SUBREACHES
 AMSKK 0.19 MUSKINGUM K
 X 0.40 MUSKINGUM X

HYDROGRAPH AT STATION T4R

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	3.	1	JAN	0205	25	7.	1	JAN	0405	49	1175.	1	JAN	0605	73	699.
1	JAN	0010	2	3.	1	JAN	0210	26	20.	1	JAN	0410	50	1127.	1	JAN	0610	74	707.
1	JAN	0015	3	3.	1	JAN	0215	27	46.	1	JAN	0415	51	1080.	1	JAN	0615	75	712.
1	JAN	0020	4	3.	1	JAN	0220	28	86.	1	JAN	0420	52	1035.	1	JAN	0620	76	712.
1	JAN	0025	5	3.	1	JAN	0225	29	135.	1	JAN	0425	53	994.	1	JAN	0625	77	705.
1	JAN	0030	6	3.	1	JAN	0230	30	192.	1	JAN	0430	54	956.	1	JAN	0630	78	693.
1	JAN	0035	7	3.	1	JAN	0235	31	253.	1	JAN	0435	55	918.	1	JAN	0635	79	675.
1	JAN	0040	8	3.	1	JAN	0240	32	311.	1	JAN	0440	56	879.	1	JAN	0640	80	655.
1	JAN	0045	9	3.	1	JAN	0245	33	364.	1	JAN	0445	57	838.	1	JAN	0645	81	632.
1	JAN	0050	10	3.	1	JAN	0250	34	414.	1	JAN	0450	58	795.	1	JAN	0650	82	610.
1	JAN	0055	11	3.	1	JAN	0255	35	466.	1	JAN	0455	59	753.	1	JAN	0655	83	588.
1	JAN	0100	12	3.	1	JAN	0300	36	525.	1	JAN	0500	60	712.	1	JAN	0700	84	567.
1	JAN	0105	13	3.	1	JAN	0305	37	600.	1	JAN	0505	61	678.	1	JAN	0705	85	547.
1	JAN	0110	14	3.	1	JAN	0310	38	690.	1	JAN	0510	62	650.	1	JAN	0710	86	525.
1	JAN	0115	15	3.	1	JAN	0315	39	795.	1	JAN	0515	63	632.	1	JAN	0715	87	499.
1	JAN	0120	16	3.	1	JAN	0320	40	909.	1	JAN	0520	64	622.	1	JAN	0720	88	469.
1	JAN	0125	17	3.	1	JAN	0325	41	1022.	1	JAN	0525	65	620.	1	JAN	0725	89	434.
1	JAN	0130	18	3.	1	JAN	0330	42	1122.	1	JAN	0530	66	624.	1	JAN	0730	90	397.
1	JAN	0135	19	3.	1	JAN	0335	43	1201.	1	JAN	0535	67	632.	1	JAN	0735	91	359.
1	JAN	0140	20	3.	1	JAN	0340	44	1253.	1	JAN	0540	68	643.	1	JAN	0740	92	322.
1	JAN	0145	21	3.	1	JAN	0345	45	1278.	1	JAN	0545	69	655.	1	JAN	0745	93	287.
1	JAN	0150	22	3.	1	JAN	0350	46	1277.	1	JAN	0550	70	667.	1	JAN	0750	94	256.
1	JAN	0155	23	3.	1	JAN	0355	47	1256.	1	JAN	0555	71	678.	1	JAN	0755	95	230.
1	JAN	0200	24	4.	1	JAN	0400	48	1219.	1	JAN	0600	72	689.	1	JAN	0800	96	208.

PEAK FLOW	TIME	6-HR	24-HR	72-HR	7.92-HR
1278.	3.67	651.	494.	494.	494.
		(INCHES)	1.414	1.417	1.417
		(AC-FT)	323.	323.	323.

CUMULATIVE AREA = 4.28 SQ MI

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231 KK *      T5 *      Third Cr at Village Bl
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235 IN TIME DATA FOR INPUT TIME SERIES
 JKMIN 15 TIME INTERVAL IN MINUTES
 JKDATE 1JAN99 STARTING DATE
 JKTIME 5 STARTING TIME

SUBBASIN RUNOFF DATA

232 BA SUBBASIN CHARACTERISTICS
TAREA 0.07 SUBBASIN AREA

233 BF BASE FLOW CHARACTERISTICS
STRFQ 0.00 INITIAL FLOW
QRCSN -0.05 BEGIN BASE FLOW RECESSON
RTIOR 1.50000 RECESSON CONSTANT

PRECIPITATION DATA

234 PB STORM 1.82 BASIN TOTAL PRECIPITATION

236 PI INCREMENTAL PRECIPITATION PATTERN

0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1.00
1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	3.67	3.67	3.67
3.67	7.00	7.00	7.00	4.00	4.00	4.00	2.33	2.33	2.33	3.67
1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	0.67	0.67
0.67	0.67	0.33	0.33	0.33	0.33	0.33	0.33	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67									

240 LS SCS LOSS RATE
STRLL 0.66 INITIAL ABSTRACTION
CRVNBR 75.22 CURVE NUMBER
RTIMP 0.00 PERCENT IMPERVIOUS AREA

241 UI INPUT UNITGRAPH, 10 ORDINATES, VOLUME = 1.00
59.0 133.0 121.0 87.0 55.0 35.0 23.0 15.0 9.0 4.0

HYDROGRAPH AT STATION T5

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	0005	1	0.00	0.00	0.00	0.	1	JAN	0405	49	0.01	0.00	0.00	1.
1	JAN	0010	2	0.01	0.01	0.00	0.	1	JAN	0410	50	0.02	0.01	0.01	1.
1	JAN	0015	3	0.01	0.01	0.00	0.	1	JAN	0415	51	0.02	0.01	0.01	2.
1	JAN	0020	4	0.01	0.01	0.00	0.	1	JAN	0420	52	0.02	0.01	0.01	3.
1	JAN	0025	5	0.01	0.01	0.00	0.	1	JAN	0425	53	0.02	0.01	0.01	3.
1	JAN	0030	6	0.01	0.01	0.00	0.	1	JAN	0430	54	0.02	0.01	0.01	3.
1	JAN	0035	7	0.01	0.01	0.00	0.	1	JAN	0435	55	0.02	0.01	0.01	3.
1	JAN	0040	8	0.01	0.01	0.00	0.	1	JAN	0440	56	0.02	0.01	0.01	4.
1	JAN	0045	9	0.01	0.01	0.00	0.	1	JAN	0445	57	0.02	0.01	0.01	4.
1	JAN	0050	10	0.01	0.01	0.00	0.	1	JAN	0450	58	0.02	0.01	0.01	4.
1	JAN	0055	11	0.02	0.02	0.00	0.	1	JAN	0455	59	0.02	0.01	0.01	4.
1	JAN	0100	12	0.02	0.02	0.00	0.	1	JAN	0500	60	0.02	0.01	0.01	4.
1	JAN	0105	13	0.02	0.02	0.00	0.	1	JAN	0505	61	0.02	0.01	0.01	4.
1	JAN	0110	14	0.01	0.01	0.00	0.	1	JAN	0510	62	0.01	0.01	0.01	4.
1	JAN	0115	15	0.01	0.01	0.00	0.	1	JAN	0515	63	0.01	0.01	0.01	4.
1	JAN	0120	16	0.01	0.01	0.00	0.	1	JAN	0520	64	0.01	0.01	0.01	4.
1	JAN	0125	17	0.02	0.02	0.00	0.	1	JAN	0525	65	0.01	0.01	0.01	3.
1	JAN	0130	18	0.02	0.02	0.00	0.	1	JAN	0530	66	0.01	0.01	0.01	3.
1	JAN	0135	19	0.02	0.02	0.00	0.	1	JAN	0535	67	0.01	0.01	0.01	3.
1	JAN	0140	20	0.07	0.07	0.00	0.	1	JAN	0540	68	0.01	0.01	0.01	3.
1	JAN	0145	21	0.07	0.07	0.00	0.	1	JAN	0545	69	0.01	0.01	0.01	3.
1	JAN	0150	22	0.07	0.07	0.00	0.	1	JAN	0550	70	0.01	0.01	0.01	3.
1	JAN	0155	23	0.13	0.13	0.00	0.	1	JAN	0555	71	0.01	0.01	0.01	3.
1	JAN	0200	24	0.13	0.13	0.00	0.	1	JAN	0600	72	0.01	0.01	0.01	3.
1	JAN	0205	25	0.13	0.12	0.01	0.	1	JAN	0605	73	0.01	0.01	0.01	3.
1	JAN	0210	26	0.07	0.06	0.01	1.	1	JAN	0610	74	0.00	0.00	0.00	3.
1	JAN	0215	27	0.07	0.06	0.01	3.	1	JAN	0615	75	0.00	0.00	0.00	2.
1	JAN	0220	28	0.07	0.06	0.01	4.	1	JAN	0620	76	0.00	0.00	0.00	1.
1	JAN	0225	29	0.04	0.03	0.01	5.	1	JAN	0625	77	0.00	0.00	0.00	1.
1	JAN	0230	30	0.04	0.03	0.01	5.	1	JAN	0630	78	0.00	0.00	0.00	0.
1	JAN	0235	31	0.04	0.03	0.01	5.	1	JAN	0635	79	0.00	0.00	0.00	0.
1	JAN	0240	32	0.02	0.02	0.01	5.	1	JAN	0640	80	0.00	0.00	0.00	0.
1	JAN	0245	33	0.02	0.02	0.01	5.	1	JAN	0645	81	0.00	0.00	0.00	0.
1	JAN	0250	34	0.02	0.02	0.01	4.	1	JAN	0650	82	0.00	0.00	0.00	0.
1	JAN	0255	35	0.02	0.02	0.01	4.	1	JAN	0655	83	0.00	0.00	0.00	0.
1	JAN	0300	36	0.02	0.02	0.01	4.	1	JAN	0700	84	0.00	0.00	0.00	0.
1	JAN	0305	37	0.02	0.02	0.01	4.	1	JAN	0705	85	0.00	0.00	0.00	0.
1	JAN	0310	38	0.02	0.02	0.01	4.	1	JAN	0710	86	0.00	0.00	0.00	0.
1	JAN	0315	39	0.02	0.02	0.01	4.	1	JAN	0715	87	0.00	0.00	0.00	0.
1	JAN	0320	40	0.02	0.02	0.01	4.	1	JAN	0720	88	0.00	0.00	0.00	0.
1	JAN	0325	41	0.01	0.01	0.00	4.	1	JAN	0725	89	0.00	0.00	0.00	0.
1	JAN	0330	42	0.01	0.01	0.00	3.	1	JAN	0730	90	0.00	0.00	0.00	0.
1	JAN	0335	43	0.01	0.01	0.00	3.	1	JAN	0735	91	0.00	0.00	0.00	0.
1	JAN	0340	44	0.01	0.00	0.00	3.	1	JAN	0740	92	0.00	0.00	0.00	0.
1	JAN	0345	45	0.01	0.00	0.00	2.	1	JAN	0745	93	0.00	0.00	0.00	0.
1	JAN	0350	46	0.01	0.00	0.00	2.	1	JAN	0750	94	0.00	0.00	0.00	0.
1	JAN	0355	47	0.01	0.00	0.00	2.	1	JAN	0755	95	0.00	0.00	0.00	0.
1	JAN	0400	48	0.01	0.00	0.00	1.	1	JAN	0800	96	0.00	0.00	0.00	0.

TOTAL RAINFALL = 1.82, TOTAL LOSS = 1.52, TOTAL EXCESS = 0.30

PEAK FLOW TIME MAXIMUM AVERAGE FLOW
6-HR 24-HR 72-HR 7.92-HR

+ (CFS) (HR)
+ 5. 2.50 (CFS) 2. 2. 2. 2.
(INCHES) 0.307 0.307 0.307 0.307
(AC-FT) 1. 1. 1. 1.

CUMULATIVE AREA = 0.07 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 2: /THIRD CR/VILLAGE BL LOCAL/FLOW/01JAN1999/5MIN//

244 KK *****
* T5C * Combine Third at Village Bl, Pt 8
* *

245 HC HYDROGRAPH COMBINATION
ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION T5C
SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	3.	1	JAN	0205	25	8.	1	JAN	0405	49	1176.	1	JAN	0605	73	702.
1	JAN	0010	2	3.	1	JAN	0210	26	21.	1	JAN	0410	50	1129.	1	JAN	0610	74	710.
1	JAN	0015	3	3.	1	JAN	0215	27	48.	1	JAN	0415	51	1082.	1	JAN	0615	75	714.
1	JAN	0020	4	3.	1	JAN	0220	28	89.	1	JAN	0420	52	1038.	1	JAN	0620	76	713.
1	JAN	0025	5	3.	1	JAN	0225	29	140.	1	JAN	0425	53	997.	1	JAN	0625	77	706.
1	JAN	0030	6	3.	1	JAN	0230	30	197.	1	JAN	0430	54	959.	1	JAN	0630	78	693.
1	JAN	0035	7	3.	1	JAN	0235	31	258.	1	JAN	0435	55	922.	1	JAN	0635	79	676.
1	JAN	0040	8	3.	1	JAN	0240	32	316.	1	JAN	0440	56	883.	1	JAN	0640	80	655.
1	JAN	0045	9	3.	1	JAN	0245	33	368.	1	JAN	0445	57	842.	1	JAN	0645	81	633.
1	JAN	0050	10	3.	1	JAN	0250	34	418.	1	JAN	0450	58	799.	1	JAN	0650	82	610.
1	JAN	0055	11	3.	1	JAN	0255	35	470.	1	JAN	0455	59	756.	1	JAN	0655	83	588.
1	JAN	0100	12	3.	1	JAN	0300	36	529.	1	JAN	0500	60	716.	1	JAN	0700	84	568.
1	JAN	0105	13	3.	1	JAN	0305	37	604.	1	JAN	0505	61	681.	1	JAN	0705	85	547.
1	JAN	0110	14	3.	1	JAN	0310	38	694.	1	JAN	0510	62	654.	1	JAN	0710	86	525.
1	JAN	0115	15	3.	1	JAN	0315	39	799.	1	JAN	0515	63	635.	1	JAN	0715	87	499.
1	JAN	0120	16	3.	1	JAN	0320	40	913.	1	JAN	0520	64	625.	1	JAN	0720	88	469.
1	JAN	0125	17	3.	1	JAN	0325	41	1026.	1	JAN	0525	65	623.	1	JAN	0725	89	434.
1	JAN	0130	18	3.	1	JAN	0330	42	1126.	1	JAN	0530	66	627.	1	JAN	0730	90	397.
1	JAN	0135	19	3.	1	JAN	0335	43	1204.	1	JAN	0535	67	635.	1	JAN	0735	91	359.
1	JAN	0140	20	3.	1	JAN	0340	44	1256.	1	JAN	0540	68	646.	1	JAN	0740	92	322.
1	JAN	0145	21	3.	1	JAN	0345	45	1280.	1	JAN	0545	69	657.	1	JAN	0745	93	287.
1	JAN	0150	22	3.	1	JAN	0350	46	1279.	1	JAN	0550	70	669.	1	JAN	0750	94	256.
1	JAN	0155	23	3.	1	JAN	0355	47	1257.	1	JAN	0555	71	681.	1	JAN	0755	95	230.
1	JAN	0200	24	4.	1	JAN	0400	48	1221.	1	JAN	0600	72	692.	1	JAN	0800	96	208.

PEAK FLOW TIME
+ (CFS) (HR)
+ 1280. 3.67 (CFS) 653. 496. 496. 496.
(INCHES) 1.397 1.399 1.399 1.399
(AC-FT) 324. 325. 325. 325.

CUMULATIVE AREA = 4.35 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 2: /THIRD CR/VILLAGE BL PT8/FLOW/01JAN1999/5MIN//

247 KK *****
* T5R * Route Third to SR 28 at 3 fps
* *

HYDROGRAPH ROUTING DATA

248 RM MUSKINGUM ROUTING
NSTPS 3 NUMBER OF SUBREACHES
AMSKK 0.24 MUSKINGUM K
X 0.40 MUSKINGUM X

HYDROGRAPH AT STATION T5R

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	3.	1	JAN	0205	25	3.	1	JAN	0405	49	1272.	1	JAN	0605	73	671.
1	JAN	0010	2	3.	1	JAN	0210	26	3.	1	JAN	0410	50	1250.	1	JAN	0610	74	682.
1	JAN	0015	3	3.	1	JAN	0215	27	5.	1	JAN	0415	51	1214.	1	JAN	0615	75	693.
1	JAN	0020	4	3.	1	JAN	0220	28	11.	1	JAN	0420	52	1170.	1	JAN	0620	76	703.
1	JAN	0025	5	3.	1	JAN	0225	29	27.	1	JAN	0425	53	1123.	1	JAN	0625	77	710.
1	JAN	0030	6	3.	1	JAN	0230	30	56.	1	JAN	0430	54	1077.	1	JAN	0630	78	713.
1	JAN	0035	7	3.	1	JAN	0235	31	98.	1	JAN	0435	55	1033.	1	JAN	0635	79	711.
1	JAN	0040	8	3.	1	JAN	0240	32	148.	1	JAN	0440	56	993.	1	JAN	0640	80	703.
1	JAN	0045	9	3.	1	JAN	0245	33	205.	1	JAN	0445	57	955.	1	JAN	0645	81	690.
1	JAN	0050	10	3.	1	JAN	0250	34	264.	1	JAN	0450	58	917.	1	JAN	0650	82	673.
1	JAN	0055	11	3.	1	JAN	0255	35	321.	1	JAN	0455	59	877.	1	JAN	0655	83	652.
1	JAN	0100	12	3.	1	JAN	0300	36	374.	1	JAN	0500	60	836.	1	JAN	0700	84	630.
1	JAN	0105	13	3.	1	JAN	0305	37	425.	1	JAN	0505	61	794.	1	JAN	0705	85	608.
1	JAN	0110	14	3.	1	JAN	0310	38	479.	1	JAN	0510	62	752.	1	JAN	0710	86	586.
1	JAN	0115	15	3.	1	JAN	0315	39	541.	1	JAN	0515	63	713.	1	JAN	0715	87	565.
1	JAN	0120	16	3.	1	JAN	0320	40	618.	1	JAN	0520	64	680.	1	JAN	0720	88	544.
1	JAN	0125	17	3.	1	JAN	0325	41	710.	1	JAN	0525	65	654.	1	JAN	0725	89	521.
1	JAN	0130	18	3.	1	JAN	0330	42	815.	1	JAN	0530	66	636.	1	JAN	0730	90	495.
1	JAN	0135	19	3.	1	JAN	0335	43	926.	1	JAN	0535	67	626.	1	JAN	0735	91	464.
1	JAN	0140	20	3.	1	JAN	0340	44	1035.	1	JAN	0540	68	625.	1	JAN	0740	92	429.
1	JAN	0145	21	3.	1	JAN	0345	45	1130.	1	JAN	0545	69	629.	1	JAN	0745	93	392.
1	JAN	0150	22	3.	1	JAN	0350	46	1204.	1	JAN	0550	70	637.	1	JAN	0750	94	355.
1	JAN	0155	23	3.	1	JAN	0355	47	1253.	1	JAN	0555	71	648.	1	JAN	0755	95	318.
1	JAN	0200	24	3.	1	JAN	0400	48	1274.	1	JAN	0600	72	659.	1	JAN	0800	96	284.

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	7.92-HR
(CFS)	(HR)	(CFS)	(CFS)	(CFS)	(CFS)
1274.	3.92	644.	489.	489.	489.
		(INCHES)	1.376	1.378	1.378
		(AC-FT)	319.	320.	320.
CUMULATIVE AREA =		4.35 SQ MI			

 * * * * *
 249 KK * T6 * Thrd Cr at SR 28
 * * * * *

253 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 15 TIME INTERVAL IN MINUTES
 JXDATE 1JAN99 STARTING DATE
 JXTIME 5 STARTING TIME

SUBBASIN RUNOFF DATA

250 BA SUBBASIN CHARACTERISTICS
 TAREA 0.52 SUBBASIN AREA

251 BF BASE FLOW CHARACTERISTICS
 STRTQ 0.00 INITIAL FLOW
 QRCSN -0.05 BEGIN BASE FLOW RECESSION
 RTIOR 1.50000 RECESSION CONSTANT

PRECIPITATION DATA

252 PB STORM 1.26 BASIN TOTAL PRECIPITATION

254 PI INCREMENTAL PRECIPITATION PATTERN

0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1.00
1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	3.67	3.67
3.67	7.00	7.00	7.00	4.00	4.00	4.00	2.33	2.33	2.33
1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	0.67
0.67	0.67	0.33	0.33	0.33	0.33	0.33	0.33	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67								

258 LS SCS LOSS RATE
 STRTL 0.48 INITIAL ABSTRACTION
 CRVNBR 80.68 CURVE NUMBER
 RTIMP 0.00 PERCENT IMPERVIOUS AREA

259 UI INPUT UNITGRAPH, 12 ORDINATES, VOLUME = 0.73
 255.0 614.0 624.0 480.0 342.0 222.0 152.0 105.0 71.0 47.0
 25.0 3.0

HYDROGRAPH AT STATION T6

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	0005	1	0.00	0.00	0.00	0.	1	JAN	0405	49	0.00	0.00	0.00	5.
1	JAN	0010	2	0.01	0.01	0.00	0.	1	JAN	0410	50	0.01	0.01	0.00	5.
1	JAN	0015	3	0.01	0.01	0.00	0.	1	JAN	0415	51	0.01	0.01	0.00	7.
1	JAN	0020	4	0.01	0.01	0.00	0.	1	JAN	0420	52	0.01	0.01	0.00	8.
1	JAN	0025	5	0.01	0.01	0.00	0.	1	JAN	0425	53	0.01	0.01	0.00	10.
1	JAN	0030	6	0.01	0.01	0.00	0.	1	JAN	0430	54	0.01	0.01	0.00	11.
1	JAN	0035	7	0.01	0.01	0.00	0.	1	JAN	0435	55	0.01	0.01	0.00	12.
1	JAN	0040	8	0.01	0.01	0.00	0.	1	JAN	0440	56	0.01	0.01	0.00	12.
1	JAN	0045	9	0.01	0.01	0.00	0.	1	JAN	0445	57	0.01	0.01	0.00	13.
1	JAN	0050	10	0.01	0.01	0.00	0.	1	JAN	0450	58	0.01	0.01	0.00	13.
1	JAN	0055	11	0.01	0.01	0.00	0.	1	JAN	0455	59	0.01	0.01	0.00	13.
1	JAN	0100	12	0.01	0.01	0.00	0.	1	JAN	0500	60	0.01	0.01	0.00	14.
1	JAN	0105	13	0.01	0.01	0.00	0.	1	JAN	0505	61	0.01	0.01	0.00	14.
1	JAN	0110	14	0.00	0.00	0.00	0.	1	JAN	0510	62	0.01	0.01	0.00	14.
1	JAN	0115	15	0.00	0.00	0.00	0.	1	JAN	0515	63	0.01	0.01	0.00	13.
1	JAN	0120	16	0.00	0.00	0.00	0.	1	JAN	0520	64	0.01	0.01	0.00	12.
1	JAN	0125	17	0.01	0.01	0.00	0.	1	JAN	0525	65	0.01	0.00	0.00	11.
1	JAN	0130	18	0.01	0.01	0.00	0.	1	JAN	0530	66	0.01	0.00	0.00	11.
1	JAN	0135	19	0.01	0.01	0.00	0.	1	JAN	0535	67	0.01	0.00	0.00	11.
1	JAN	0140	20	0.05	0.05	0.00	0.	1	JAN	0540	68	0.01	0.00	0.00	10.
1	JAN	0145	21	0.05	0.05	0.00	0.	1	JAN	0545	69	0.01	0.00	0.00	10.
1	JAN	0150	22	0.05	0.05	0.00	0.	1	JAN	0550	70	0.01	0.00	0.00	10.
1	JAN	0155	23	0.09	0.09	0.00	0.	1	JAN	0555	71	0.01	0.00	0.00	10.
1	JAN	0200	24	0.09	0.09	0.00	0.	1	JAN	0600	72	0.01	0.00	0.00	10.
1	JAN	0205	25	0.09	0.09	0.00	1.	1	JAN	0605	73	0.01	0.00	0.00	10.
1	JAN	0210	26	0.05	0.05	0.00	3.	1	JAN	0610	74	0.00	0.00	0.00	10.
1	JAN	0215	27	0.05	0.04	0.01	6.	1	JAN	0615	75	0.00	0.00	0.00	7.
1	JAN	0220	28	0.05	0.04	0.01	10.	1	JAN	0620	76	0.00	0.00	0.00	5.
1	JAN	0225	29	0.03	0.02	0.01	13.	1	JAN	0625	77	0.00	0.00	0.00	3.
1	JAN	0230	30	0.03	0.02	0.01	15.	1	JAN	0630	78	0.00	0.00	0.00	2.
1	JAN	0235	31	0.03	0.02	0.01	16.	1	JAN	0635	79	0.00	0.00	0.00	1.
1	JAN	0240	32	0.02	0.01	0.00	16.	1	JAN	0640	80	0.00	0.00	0.00	1.
1	JAN	0245	33	0.02	0.01	0.00	15.	1	JAN	0645	81	0.00	0.00	0.00	1.
1	JAN	0250	34	0.02	0.01	0.00	15.	1	JAN	0650	82	0.00	0.00	0.00	1.
1	JAN	0255	35	0.02	0.01	0.00	14.	1	JAN	0655	83	0.00	0.00	0.00	1.
1	JAN	0300	36	0.02	0.01	0.00	14.	1	JAN	0700	84	0.00	0.00	0.00	1.
1	JAN	0305	37	0.02	0.01	0.00	13.	1	JAN	0705	85	0.00	0.00	0.00	1.
1	JAN	0310	38	0.02	0.01	0.00	13.	1	JAN	0710	86	0.00	0.00	0.00	1.
1	JAN	0315	39	0.02	0.01	0.00	14.	1	JAN	0715	87	0.00	0.00	0.00	1.
1	JAN	0320	40	0.02	0.01	0.01	14.	1	JAN	0720	88	0.00	0.00	0.00	1.
1	JAN	0325	41	0.01	0.01	0.00	13.	1	JAN	0725	89	0.00	0.00	0.00	1.
1	JAN	0330	42	0.01	0.01	0.00	12.	1	JAN	0730	90	0.00	0.00	0.00	1.
1	JAN	0335	43	0.01	0.01	0.00	11.	1	JAN	0735	91	0.00	0.00	0.00	1.
1	JAN	0340	44	0.00	0.00	0.00	10.	1	JAN	0740	92	0.00	0.00	0.00	1.
1	JAN	0345	45	0.00	0.00	0.00	8.	1	JAN	0745	93	0.00	0.00	0.00	1.
1	JAN	0350	46	0.00	0.00	0.00	7.	1	JAN	0750	94	0.00	0.00	0.00	1.
1	JAN	0355	47	0.00	0.00	0.00	6.	1	JAN	0755	95	0.00	0.00	0.00	0.
1	JAN	0400	48	0.00	0.00	0.00	5.	1	JAN	0800	96	0.00	0.00	0.00	0.

TOTAL RAINFALL = 1.26, TOTAL LOSS = 1.07, TOTAL EXCESS = 0.19

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	7.92-HR
16.	2.58	8.	6.	6.	6.
		(INCHES) 0.142	0.142	0.142	0.142
		(AC-FT) 4.	4.	4.	4.

CUMULATIVE AREA = 0.52 SQ MI

-----DSS-----WRITE Unit 71; Vers. 2: /THIRD CR/SR28 LOCAL/FLOW/01JAN1999/5MIN//

262 KK T6C Combine Third at SR 28, Pt 9

263 HC HYDROGRAPH COMBINATION
ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION T6C
SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	3.	1	JAN	0205	25	4.	1	JAN	0405	49	1276.	1	JAN	0605	73	681.
1	JAN	0010	2	3.	1	JAN	0210	26	6.	1	JAN	0410	50	1255.	1	JAN	0610	74	692.
1	JAN	0015	3	3.	1	JAN	0215	27	11.	1	JAN	0415	51	1220.	1	JAN	0615	75	701.
1	JAN	0020	4	3.	1	JAN	0220	28	22.	1	JAN	0420	52	1178.	1	JAN	0620	76	708.
1	JAN	0025	5	3.	1	JAN	0225	29	41.	1	JAN	0425	53	1133.	1	JAN	0625	77	713.
1	JAN	0030	6	3.	1	JAN	0230	30	71.	1	JAN	0430	54	1088.	1	JAN	0630	78	715.
1	JAN	0035	7	3.	1	JAN	0235	31	114.	1	JAN	0435	55	1045.	1	JAN	0635	79	713.
1	JAN	0040	8	3.	1	JAN	0240	32	164.	1	JAN	0440	56	1005.	1	JAN	0640	80	704.
1	JAN	0045	9	3.	1	JAN	0245	33	221.	1	JAN	0445	57	968.	1	JAN	0645	81	691.
1	JAN	0050	10	3.	1	JAN	0250	34	279.	1	JAN	0450	58	930.	1	JAN	0650	82	673.
1	JAN	0055	11	3.	1	JAN	0255	35	335.	1	JAN	0455	59	891.	1	JAN	0655	83	653.
1	JAN	0100	12	3.	1	JAN	0300	36	387.	1	JAN	0500	60	850.	1	JAN	0700	84	631.
1	JAN	0105	13	3.	1	JAN	0305	37	438.	1	JAN	0505	61	808.	1	JAN	0705	85	608.
1	JAN	0110	14	3.	1	JAN	0310	38	492.	1	JAN	0510	62	766.	1	JAN	0710	86	587.
1	JAN	0115	15	3.	1	JAN	0315	39	555.	1	JAN	0515	63	726.	1	JAN	0715	87	566.
1	JAN	0120	16	3.	1	JAN	0320	40	632.	1	JAN	0520	64	692.	1	JAN	0720	88	545.
1	JAN	0125	17	3.	1	JAN	0325	41	723.	1	JAN	0525	65	665.	1	JAN	0725	89	522.
1	JAN	0130	18	3.	1	JAN	0330	42	827.	1	JAN	0530	66	647.	1	JAN	0730	90	495.
1	JAN	0135	19	3.	1	JAN	0335	43	937.	1	JAN	0535	67	637.	1	JAN	0735	91	464.
1	JAN	0140	20	3.	1	JAN	0340	44	1045.	1	JAN	0540	68	635.	1	JAN	0740	92	430.
1	JAN	0145	21	3.	1	JAN	0345	45	1138.	1	JAN	0545	69	639.	1	JAN	0745	93	393.
1	JAN	0150	22	3.	1	JAN	0350	46	1211.	1	JAN	0550	70	647.	1	JAN	0750	94	355.
1	JAN	0155	23	3.	1	JAN	0355	47	1258.	1	JAN	0555	71	658.	1	JAN	0755	95	319.
1	JAN	0200	24	3.	1	JAN	0400	48	1279.	1	JAN	0600	72	669.	1	JAN	0800	96	285.

PEAK FLOW	TIME	MAXIMUM	AVERAGE FLOW		
(CFS)	(HR)	6-HR	24-HR	72-HR	7.92-HR
1279.	3.92	652.	495.	495.	495.
		(INCHES)	1.244	1.246	1.246
		(AC-FT)	323.	324.	324.

CUMULATIVE AREA = 4.87 SQ MI

----DSS---ZWRITE Unit 71; Vers. 2: /THIRD CR/SR28 PT9/FLOW/01JAN1999/5MIN//

265 KK

 * T6R * Route Third to WF just below SR 28

HYDROGRAPH ROUTING DATA

266 RM MUSKINGUM ROUTING
 NSTPS 1 NUMBER OF SUBREACHES
 AMSKK 0.01 MUSKINGUM K
 X 0.40 MUSKINGUM X

***** WARNING ***** POSSIBLE INSTABILITIES IN THE MUSKINGUM ROUTING FOR REACH T6R.
 REDUCE NSTPS OR DECREASE YOUR COMPUTATION INTERVAL (FIRST FIELD OF THE IT RECORD).

HYDROGRAPH AT STATION T6R

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	3.	1	JAN	0205	25	4.	1	JAN	0405	49	1278.	1	JAN	0605	73	680.
1	JAN	0010	2	3.	1	JAN	0210	26	6.	1	JAN	0410	50	1258.	1	JAN	0610	74	691.
1	JAN	0015	3	3.	1	JAN	0215	27	11.	1	JAN	0415	51	1225.	1	JAN	0615	75	700.
1	JAN	0020	4	3.	1	JAN	0220	28	20.	1	JAN	0420	52	1184.	1	JAN	0620	76	707.
1	JAN	0025	5	3.	1	JAN	0225	29	38.	1	JAN	0425	53	1138.	1	JAN	0625	77	713.
1	JAN	0030	6	3.	1	JAN	0230	30	67.	1	JAN	0430	54	1093.	1	JAN	0630	78	715.
1	JAN	0035	7	3.	1	JAN	0235	31	108.	1	JAN	0435	55	1050.	1	JAN	0635	79	713.
1	JAN	0040	8	3.	1	JAN	0240	32	158.	1	JAN	0440	56	1010.	1	JAN	0640	80	706.
1	JAN	0045	9	3.	1	JAN	0245	33	214.	1	JAN	0445	57	972.	1	JAN	0645	81	693.
1	JAN	0050	10	3.	1	JAN	0250	34	272.	1	JAN	0450	58	934.	1	JAN	0650	82	676.
1	JAN	0055	11	3.	1	JAN	0255	35	328.	1	JAN	0455	59	896.	1	JAN	0655	83	655.
1	JAN	0100	12	3.	1	JAN	0300	36	381.	1	JAN	0500	60	855.	1	JAN	0700	84	633.
1	JAN	0105	13	3.	1	JAN	0305	37	432.	1	JAN	0505	61	813.	1	JAN	0705	85	611.
1	JAN	0110	14	3.	1	JAN	0310	38	486.	1	JAN	0510	62	771.	1	JAN	0710	86	589.
1	JAN	0115	15	3.	1	JAN	0315	39	547.	1	JAN	0515	63	731.	1	JAN	0715	87	568.
1	JAN	0120	16	3.	1	JAN	0320	40	622.	1	JAN	0520	64	695.	1	JAN	0720	88	547.
1	JAN	0125	17	3.	1	JAN	0325	41	712.	1	JAN	0525	65	668.	1	JAN	0725	89	525.
1	JAN	0130	18	3.	1	JAN	0330	42	814.	1	JAN	0530	66	648.	1	JAN	0730	90	499.
1	JAN	0135	19	3.	1	JAN	0335	43	924.	1	JAN	0535	67	638.	1	JAN	0735	91	468.
1	JAN	0140	20	3.	1	JAN	0340	44	1032.	1	JAN	0540	68	635.	1	JAN	0740	92	434.
1	JAN	0145	21	3.	1	JAN	0345	45	1128.	1	JAN	0545	69	638.	1	JAN	0745	93	397.
1	JAN	0150	22	3.	1	JAN	0350	46	1204.	1	JAN	0550	70	646.	1	JAN	0750	94	360.

1 JAN 0155	23	3.	*	1 JAN 0355	47	1254.	*	1 JAN 0555	71	656.	*	1 JAN 0755	95	323.
1 JAN 0200	24	3.	*	1 JAN 0400	48	1278.	*	1 JAN 0600	72	668.	*	1 JAN 0800	96	289.

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.....
PEAK FLOW      TIME
+ (CFS)        (HR)
+ 1278.        3.92
                (CFS)
                (INCHES)
                (AC-FT)
                CUMULATIVE AREA = 4.87 SQ MI
                MAXIMUM AVERAGE FLOW
                6-HR      24-HR      72-HR      7.92-HR
                651.     494.     494.     494.
                1.243   1.245   1.245   1.245
                323.     323.     323.     323.
.....

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*****
*
* 267 KK      * WT1 *      WF Third Cr at Village Bl
*
*
*****

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271 IN      TIME DATA FOR INPUT TIME SERIES
            JXMIN      15      TIME INTERVAL IN MINUTES
            JXDATE     1JAN99  STARTING DATE
            JXTIME      5      STARTING TIME

```

SUBBASIN RUNOFF DATA

```

268 BA      SUBBASIN CHARACTERISTICS
            TAREA      0.84  SUBBASIN AREA

269 BF      BASE FLOW CHARACTERISTICS
            STRTQ      0.00  INITIAL FLOW
            QRCSN     -0.05  BEGIN BASE FLOW RECESSON
            RTIOR      1.50000 RECESSON CONSTANT

```

PRECIPITATION DATA

```

270 PB      STORM      2.33  BASIN TOTAL PRECIPITATION

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272 PI      INCREMENTAL PRECIPITATION PATTERN
            0.67      0.67      0.67      0.67      0.67      0.67      0.67      0.67      0.67      0.67      1.00
            1.00      1.00      0.33      0.33      0.33      0.33      1.00      1.00      1.00      3.67      3.67
            3.67      7.00      7.00      7.00      4.00      4.00      4.00      4.00      2.33      2.33      2.33
            1.33      1.33      1.33      1.33      1.33      1.33      1.33      1.33      1.33      1.33      0.67
            0.67      0.67      0.33      0.33      0.33      0.33      0.33      0.33      1.00      1.00      1.00
            1.00      1.00      1.00      1.00      1.00      1.00      1.00      1.00      1.00      1.00      1.00
            0.67      0.67      0.67      0.67      0.67      0.67      0.67      0.67      0.67      0.67      0.67
            0.67      0.67

```

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276 LS      SCS LOSS RATE
            STRTL      0.77  INITIAL ABSTRACTION
            CRVNR      72.23 CURVE NUMBER
            RTIMP      0.00  PERCENT IMPERVIOUS AREA

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277 UI      INPUT UNITGRAPH, 21 ORDINATES, VOLUME = 1.00
            180.0     503.0     724.0     827.0     776.0     668.0     570.0     476.0     384.0     298.0
            238.0     194.0     158.0     129.0     106.0     83.0      68.0      51.0      35.0      25.0
            11.0

```

HYDROGRAPH AT STATION WT1

```

.....
DA MON HRMN  ORD  RAIN  LOSS  EXCESS  COMP Q
+
+
+
1 JAN 0005  1  0.00  0.00  0.00  0.
+
1 JAN 0010  2  0.02  0.02  0.00  0.
+
1 JAN 0015  3  0.02  0.02  0.00  0.
+
1 JAN 0020  4  0.02  0.02  0.00  0.
+
1 JAN 0025  5  0.02  0.02  0.00  0.
+
1 JAN 0030  6  0.02  0.02  0.00  0.
+
1 JAN 0035  7  0.02  0.02  0.00  0.
+
1 JAN 0040  8  0.02  0.02  0.00  0.
+
1 JAN 0045  9  0.02  0.02  0.00  0.
+
1 JAN 0050 10  0.02  0.02  0.00  0.
+
1 JAN 0055 11  0.02  0.02  0.00  0.
+
1 JAN 0100 12  0.02  0.02  0.00  0.
+
1 JAN 0105 13  0.02  0.02  0.00  0.
+
1 JAN 0110 14  0.01  0.01  0.00  0.
+
1 JAN 0115 15  0.01  0.01  0.00  0.
+
1 JAN 0120 16  0.01  0.01  0.00  0.
+
1 JAN 0125 17  0.02  0.02  0.00  0.
+
1 JAN 0130 18  0.02  0.02  0.00  0.
+
1 JAN 0135 19  0.02  0.02  0.00  0.
+
+
1 JAN 0405 49  0.01  0.00  0.00  35.
+
1 JAN 0410 50  0.02  0.01  0.01  33.
+
1 JAN 0415 51  0.02  0.01  0.01  33.
+
1 JAN 0420 52  0.02  0.01  0.01  36.
+
1 JAN 0425 53  0.02  0.01  0.01  40.
+
1 JAN 0430 54  0.02  0.01  0.01  43.
+
1 JAN 0435 55  0.02  0.01  0.01  47.
+
1 JAN 0440 56  0.02  0.01  0.01  50.
+
1 JAN 0445 57  0.02  0.01  0.01  53.
+
1 JAN 0450 58  0.02  0.01  0.01  55.
+
1 JAN 0455 59  0.02  0.01  0.01  57.
+
1 JAN 0500 60  0.02  0.01  0.01  59.
+
1 JAN 0505 61  0.02  0.01  0.01  61.
+
1 JAN 0510 62  0.02  0.01  0.01  62.
+
1 JAN 0515 63  0.02  0.01  0.01  61.
+
1 JAN 0520 64  0.02  0.01  0.01  60.
+
1 JAN 0525 65  0.02  0.01  0.01  58.
+
1 JAN 0530 66  0.02  0.01  0.01  57.
+
1 JAN 0535 67  0.02  0.01  0.01  55.
+
+
.....

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1 JAN 0150	22	0.	*	1 JAN 0350	46	68.	*	1 JAN 0550	70	56.	*	1 JAN 0750	94	3.
1 JAN 0155	23	0.	*	1 JAN 0355	47	64.	*	1 JAN 0555	71	55.	*	1 JAN 0755	95	3.
1 JAN 0200	24	0.	*	1 JAN 0400	48	59.	*	1 JAN 0600	72	54.	*	1 JAN 0800	96	3.

PEAK FLOW TIME
+ (CFS) (HR)
+ 77. 3.00
(CFS)
(INCHES) 41. 31. 31. 31.
(ACT-FT) 0.452 0.452 0.452 0.452
20. 20. 20. 20.
CUMULATIVE AREA = 0.84 SQ MI

283 KK WT2 WF Third Cr at SR 28

287 IN TIME DATA FOR INPUT TIME SERIES
JXMIN 15 TIME INTERVAL IN MINUTES
JXDATE 1JAN99 STARTING DATE
JXTIME 5 STARTING TIME

SUBBASIN RUNOFF DATA
284 BA SUBBASIN CHARACTERISTICS
TAREA 0.15 SUBBASIN AREA

285 BF BASE FLOW CHARACTERISTICS
STRTO 0.00 INITIAL FLOW
QRCSN -0.05 BEGIN BASE FLOW RECESSION
RTIOR 1.50000 RECESSION CONSTANT

PRECIPITATION DATA
286 PB STORM 1.21 BASIN TOTAL PRECIPITATION

288 PI INCREMENTAL PRECIPITATION PATTERN

0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1.00
1.00	1.00	0.33	0.33	0.33	1.00	1.00	0.67	0.67	1.00	3.67
3.67	7.00	7.00	7.00	4.00	4.00	4.00	2.33	2.33	2.33	2.33
1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	0.67
0.67	0.67	0.33	0.33	0.33	0.33	0.33	0.33	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1.00	1.00	1.00
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67

292 LS SCS LOSS RATE
STRTL 0.39 INITIAL ABSTRACTION
CRVNBR 83.73 CURVE NUMBER
RTIMP 0.00 PERCENT IMPERVIOUS AREA

293 UI INPUT UNITGRAPH, 7 ORDINATES, VOLUME = 1.00
219.0 387.0 262.0 144.0 79.0 45.0 21.0

HYDROGRAPH AT STATION WT2

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	0005	1	0.00	0.00	0.00	0.	1	JAN	0405	49	0.00	0.00	0.00	2.
1	JAN	0010	2	0.01	0.01	0.00	0.	1	JAN	0410	50	0.01	0.01	0.00	3.
1	JAN	0015	3	0.01	0.01	0.00	0.	1	JAN	0415	51	0.01	0.01	0.01	4.
1	JAN	0020	4	0.01	0.01	0.00	0.	1	JAN	0420	52	0.01	0.01	0.01	5.
1	JAN	0025	5	0.01	0.01	0.00	0.	1	JAN	0425	53	0.01	0.01	0.01	5.
1	JAN	0030	6	0.01	0.01	0.00	0.	1	JAN	0430	54	0.01	0.01	0.01	6.
1	JAN	0035	7	0.01	0.01	0.00	0.	1	JAN	0435	55	0.01	0.01	0.01	6.
1	JAN	0040	8	0.01	0.01	0.00	0.	1	JAN	0440	56	0.01	0.01	0.01	6.
1	JAN	0045	9	0.01	0.01	0.00	0.	1	JAN	0445	57	0.01	0.01	0.01	6.
1	JAN	0050	10	0.01	0.01	0.00	0.	1	JAN	0450	58	0.01	0.01	0.01	6.
1	JAN	0055	11	0.01	0.01	0.00	0.	1	JAN	0455	59	0.01	0.01	0.01	6.
1	JAN	0100	12	0.01	0.01	0.00	0.	1	JAN	0500	60	0.01	0.01	0.01	6.
1	JAN	0105	13	0.01	0.01	0.00	0.	1	JAN	0505	61	0.01	0.01	0.01	6.
1	JAN	0110	14	0.00	0.00	0.00	0.	1	JAN	0510	62	0.01	0.00	0.00	6.
1	JAN	0115	15	0.00	0.00	0.00	0.	1	JAN	0515	63	0.01	0.00	0.00	5.
1	JAN	0120	16	0.00	0.00	0.00	0.	1	JAN	0520	64	0.01	0.00	0.00	5.
1	JAN	0125	17	0.01	0.01	0.00	0.	1	JAN	0525	65	0.01	0.00	0.00	5.
1	JAN	0130	18	0.01	0.01	0.00	0.	1	JAN	0530	66	0.01	0.00	0.00	5.
1	JAN	0135	19	0.01	0.01	0.00	0.	1	JAN	0535	67	0.01	0.00	0.00	5.
1	JAN	0140	20	0.04	0.04	0.00	0.	1	JAN	0540	68	0.01	0.00	0.00	5.

1 JAN 0145	21	0.04	0.04	0.00	0.	*	1 JAN 0545	69	0.01	0.00	0.00	5.
1 JAN 0150	22	0.04	0.04	0.00	0.	*	1 JAN 0550	70	0.01	0.00	0.00	5.
1 JAN 0155	23	0.08	0.08	0.00	0.	*	1 JAN 0555	71	0.01	0.00	0.00	5.
1 JAN 0200	24	0.08	0.08	0.00	1.	*	1 JAN 0600	72	0.01	0.00	0.00	5.
1 JAN 0205	25	0.08	0.08	0.01	3.	*	1 JAN 0605	73	0.01	0.00	0.00	5.
1 JAN 0210	26	0.05	0.04	0.01	6.	*	1 JAN 0610	74	0.00	0.00	0.00	4.
1 JAN 0215	27	0.05	0.04	0.01	8.	*	1 JAN 0615	75	0.00	0.00	0.00	2.
1 JAN 0220	28	0.05	0.04	0.01	10.	*	1 JAN 0620	76	0.00	0.00	0.00	1.
1 JAN 0225	29	0.03	0.02	0.01	10.	*	1 JAN 0625	77	0.00	0.00	0.00	1.
1 JAN 0230	30	0.03	0.02	0.01	10.	*	1 JAN 0630	78	0.00	0.00	0.00	1.
1 JAN 0235	31	0.03	0.02	0.01	10.	*	1 JAN 0635	79	0.00	0.00	0.00	0.
1 JAN 0240	32	0.02	0.01	0.00	9.	*	1 JAN 0640	80	0.00	0.00	0.00	0.
1 JAN 0245	33	0.02	0.01	0.01	8.	*	1 JAN 0645	81	0.00	0.00	0.00	0.
1 JAN 0250	34	0.02	0.01	0.01	7.	*	1 JAN 0650	82	0.00	0.00	0.00	0.
1 JAN 0255	35	0.02	0.01	0.01	6.	*	1 JAN 0655	83	0.00	0.00	0.00	0.
1 JAN 0300	36	0.02	0.01	0.01	6.	*	1 JAN 0700	84	0.00	0.00	0.00	0.
1 JAN 0305	37	0.02	0.01	0.01	6.	*	1 JAN 0705	85	0.00	0.00	0.00	0.
1 JAN 0310	38	0.02	0.01	0.01	6.	*	1 JAN 0710	86	0.00	0.00	0.00	0.
1 JAN 0315	39	0.02	0.01	0.01	7.	*	1 JAN 0715	87	0.00	0.00	0.00	0.
1 JAN 0320	40	0.02	0.01	0.01	7.	*	1 JAN 0720	88	0.00	0.00	0.00	0.
1 JAN 0325	41	0.01	0.00	0.00	6.	*	1 JAN 0725	89	0.00	0.00	0.00	0.
1 JAN 0330	42	0.01	0.00	0.00	5.	*	1 JAN 0730	90	0.00	0.00	0.00	0.
1 JAN 0335	43	0.01	0.00	0.00	4.	*	1 JAN 0735	91	0.00	0.00	0.00	0.
1 JAN 0340	44	0.00	0.00	0.00	4.	*	1 JAN 0740	92	0.00	0.00	0.00	0.
1 JAN 0345	45	0.00	0.00	0.00	3.	*	1 JAN 0745	93	0.00	0.00	0.00	0.
1 JAN 0350	46	0.00	0.00	0.00	2.	*	1 JAN 0750	94	0.00	0.00	0.00	0.
1 JAN 0355	47	0.00	0.00	0.00	2.	*	1 JAN 0755	95	0.00	0.00	0.00	0.
1 JAN 0400	48	0.00	0.00	0.00	2.	*	1 JAN 0800	96	0.00	0.00	0.00	0.

.....
TOTAL RAINFALL = 1.21, TOTAL LOSS = 0.97, TOTAL EXCESS = 0.24

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	7.92-HR
10.	2.33	4.	3.	3.	3.
		(INCHES)	0.249	0.249	0.249
		(AC-FT)	2.	2.	2.

CUMULATIVE AREA = 0.15 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 2: /WF THIRD CR/SR28 LOCAL/FLOW/01JAN1999/5MIN//

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*          *
295 KK   * WT2C *   Combine WF Third at SR 28, Pt 7
*          *
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296 HC   HYDROGRAPH COMBINATION
          ICOMP          2 NUMBER OF HYDROGRAPHS TO COMBINE

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HYDROGRAPH AT STATION WT2C
SUM OF 2 HYDROGRAPHS

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DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	0.	1	JAN	0205	25	3.	1	JAN	0405	49	56.	1	JAN	0605	73	57.
1	JAN	0010	2	0.	1	JAN	0210	26	6.	1	JAN	0410	50	51.	1	JAN	0610	74	55.
1	JAN	0015	3	0.	1	JAN	0215	27	8.	1	JAN	0415	51	47.	1	JAN	0615	75	53.
1	JAN	0020	4	0.	1	JAN	0220	28	12.	1	JAN	0420	52	43.	1	JAN	0620	76	52.
1	JAN	0025	5	0.	1	JAN	0225	29	18.	1	JAN	0425	53	40.	1	JAN	0625	77	50.
1	JAN	0030	6	0.	1	JAN	0230	30	26.	1	JAN	0430	54	39.	1	JAN	0630	78	48.
1	JAN	0035	7	0.	1	JAN	0235	31	37.	1	JAN	0435	55	40.	1	JAN	0635	79	44.
1	JAN	0040	8	0.	1	JAN	0240	32	49.	1	JAN	0440	56	43.	1	JAN	0640	80	38.
1	JAN	0045	9	0.	1	JAN	0245	33	60.	1	JAN	0445	57	46.	1	JAN	0645	81	32.
1	JAN	0050	10	0.	1	JAN	0250	34	69.	1	JAN	0450	58	50.	1	JAN	0650	82	26.
1	JAN	0055	11	0.	1	JAN	0255	35	77.	1	JAN	0455	59	54.	1	JAN	0655	83	21.
1	JAN	0100	12	0.	1	JAN	0300	36	81.	1	JAN	0500	60	57.	1	JAN	0700	84	17.
1	JAN	0105	13	0.	1	JAN	0305	37	83.	1	JAN	0505	61	59.	1	JAN	0705	85	14.
1	JAN	0110	14	0.	1	JAN	0310	38	83.	1	JAN	0510	62	62.	1	JAN	0710	86	11.
1	JAN	0115	15	0.	1	JAN	0315	39	82.	1	JAN	0515	63	63.	1	JAN	0715	87	8.
1	JAN	0120	16	0.	1	JAN	0320	40	81.	1	JAN	0520	64	64.	1	JAN	0720	88	7.
1	JAN	0125	17	0.	1	JAN	0325	41	79.	1	JAN	0525	65	65.	1	JAN	0725	89	5.
1	JAN	0130	18	0.	1	JAN	0330	42	77.	1	JAN	0530	66	66.	1	JAN	0730	90	4.
1	JAN	0135	19	0.	1	JAN	0335	43	76.	1	JAN	0535	67	65.	1	JAN	0735	91	4.
1	JAN	0140	20	0.	1	JAN	0340	44	75.	1	JAN	0540	68	64.	1	JAN	0740	92	4.
1	JAN	0145	21	0.	1	JAN	0345	45	73.	1	JAN	0545	69	63.	1	JAN	0745	93	4.
1	JAN	0150	22	0.	1	JAN	0350	46	70.	1	JAN	0550	70	61.	1	JAN	0750	94	4.
1	JAN	0155	23	0.	1	JAN	0355	47	66.	1	JAN	0555	71	59.	1	JAN	0755	95	4.
1	JAN	0200	24	1.	1	JAN	0400	48	61.	1	JAN	0600	72	58.	1	JAN	0800	96	3.

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW				
		6-HR	24-HR	72-HR	7.92-HR	
83.	3.00	45.	34.	34.	34.	
		(INCHES)	0.422	0.422	0.422	0.422
		(AC-FT)	22.	22.	22.	22.

CUMULATIVE AREA = 0.99 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 2: /WF THIRD CR/SR28 PT7/FLOW/01JAN1999/5MIN//

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*
* 298 KK      * T2R *      Route main to WF just below SR 28
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HYDROGRAPH ROUTING DATA

299 RM MUSKINGUM ROUTING
NSTPS 1 NUMBER OF SUBREACHES
AMSKK 0.01 MUSKINGUM K
X 0.40 MUSKINGUM X

**** WARNING **** POSSIBLE INSTABILITIES IN THE MUSKINGUM ROUTING FOR REACH T2R.
REDUCE NSTPS OR DECREASE YOUR COMPUTATION INTERVAL (FIRST FIELD OF THE IT RECORD).

HYDROGRAPH AT STATION T2R

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	0.	1	JAN	0205	25	3.	1	JAN	0405	49	56.	1	JAN	0605	73	57.
1	JAN	0010	2	0.	1	JAN	0210	26	6.	1	JAN	0410	50	51.	1	JAN	0610	74	56.
1	JAN	0015	3	0.	1	JAN	0215	27	8.	1	JAN	0415	51	47.	1	JAN	0615	75	54.
1	JAN	0020	4	0.	1	JAN	0220	28	11.	1	JAN	0420	52	44.	1	JAN	0620	76	52.
1	JAN	0025	5	0.	1	JAN	0225	29	17.	1	JAN	0425	53	41.	1	JAN	0625	77	50.
1	JAN	0030	6	0.	1	JAN	0230	30	24.	1	JAN	0430	54	39.	1	JAN	0630	78	48.
1	JAN	0035	7	0.	1	JAN	0235	31	35.	1	JAN	0435	55	40.	1	JAN	0635	79	44.
1	JAN	0040	8	0.	1	JAN	0240	32	48.	1	JAN	0440	56	42.	1	JAN	0640	80	39.
1	JAN	0045	9	0.	1	JAN	0245	33	59.	1	JAN	0445	57	46.	1	JAN	0645	81	33.
1	JAN	0050	10	0.	1	JAN	0250	34	68.	1	JAN	0450	58	50.	1	JAN	0650	82	27.
1	JAN	0055	11	0.	1	JAN	0255	35	76.	1	JAN	0455	59	53.	1	JAN	0655	83	22.
1	JAN	0100	12	0.	1	JAN	0300	36	81.	1	JAN	0500	60	56.	1	JAN	0700	84	18.
1	JAN	0105	13	0.	1	JAN	0305	37	83.	1	JAN	0505	61	59.	1	JAN	0705	85	14.
1	JAN	0110	14	0.	1	JAN	0310	38	83.	1	JAN	0510	62	61.	1	JAN	0710	86	11.
1	JAN	0115	15	0.	1	JAN	0315	39	82.	1	JAN	0515	63	63.	1	JAN	0715	87	9.
1	JAN	0120	16	0.	1	JAN	0320	40	81.	1	JAN	0520	64	64.	1	JAN	0720	88	7.
1	JAN	0125	17	0.	1	JAN	0325	41	79.	1	JAN	0525	65	65.	1	JAN	0725	89	5.
1	JAN	0130	18	0.	1	JAN	0330	42	77.	1	JAN	0530	66	66.	1	JAN	0730	90	4.
1	JAN	0135	19	0.	1	JAN	0335	43	76.	1	JAN	0535	67	66.	1	JAN	0735	91	4.
1	JAN	0140	20	0.	1	JAN	0340	44	75.	1	JAN	0540	68	64.	1	JAN	0740	92	4.
1	JAN	0145	21	0.	1	JAN	0345	45	74.	1	JAN	0545	69	63.	1	JAN	0745	93	4.
1	JAN	0150	22	0.	1	JAN	0350	46	71.	1	JAN	0550	70	61.	1	JAN	0750	94	4.
1	JAN	0155	23	0.	1	JAN	0355	47	67.	1	JAN	0555	71	60.	1	JAN	0755	95	4.
1	JAN	0200	24	0.	1	JAN	0400	48	62.	1	JAN	0600	72	58.	1	JAN	0800	96	3.

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW				
		6-HR	24-HR	72-HR	7.92-HR	
83.	3.08	45.	34.	34.	34.	
		(INCHES)	0.422	0.422	0.422	0.422
		(AC-FT)	22.	22.	22.	22.

CUMULATIVE AREA = 0.99 SQ MI

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*****
*
* 300 KK      * T2C2 *      Combine WF and main just below SR 28
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301 HC HYDROGRAPH COMBINATION
ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION T2C2
SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	3.	1	JAN	0205	25	6.	1	JAN	0405	49	1334.	1	JAN	0605	73	737.
1	JAN	0010	2	3.	1	JAN	0210	26	12.	1	JAN	0410	50	1309.	1	JAN	0610	74	746.
1	JAN	0015	3	3.	1	JAN	0215	27	19.	1	JAN	0415	51	1272.	1	JAN	0615	75	753.
1	JAN	0020	4	3.	1	JAN	0220	28	31.	1	JAN	0420	52	1227.	1	JAN	0620	76	759.
1	JAN	0025	5	3.	1	JAN	0225	29	55.	1	JAN	0425	53	1179.	1	JAN	0625	77	763.
1	JAN	0030	6	3.	1	JAN	0230	30	91.	1	JAN	0430	54	1132.	1	JAN	0630	78	763.
1	JAN	0035	7	3.	1	JAN	0235	31	143.	1	JAN	0435	55	1090.	1	JAN	0635	79	758.
1	JAN	0040	8	3.	1	JAN	0240	32	205.	1	JAN	0440	56	1052.	1	JAN	0640	80	745.
1	JAN	0045	9	3.	1	JAN	0245	33	272.	1	JAN	0445	57	1018.	1	JAN	0645	81	726.
1	JAN	0050	10	3.	1	JAN	0250	34	340.	1	JAN	0450	58	984.	1	JAN	0650	82	703.
1	JAN	0055	11	3.	1	JAN	0255	35	404.	1	JAN	0455	59	949.	1	JAN	0655	83	677.
1	JAN	0100	12	3.	1	JAN	0300	36	462.	1	JAN	0500	60	911.	1	JAN	0700	84	651.
1	JAN	0105	13	3.	1	JAN	0305	37	515.	1	JAN	0505	61	872.	1	JAN	0705	85	625.
1	JAN	0110	14	3.	1	JAN	0310	38	568.	1	JAN	0510	62	832.	1	JAN	0710	86	600.
1	JAN	0115	15	3.	1	JAN	0315	39	629.	1	JAN	0515	63	793.	1	JAN	0715	87	577.
1	JAN	0120	16	3.	1	JAN	0320	40	702.	1	JAN	0520	64	760.	1	JAN	0720	88	554.
1	JAN	0125	17	3.	1	JAN	0325	41	791.	1	JAN	0525	65	733.	1	JAN	0725	89	530.
1	JAN	0130	18	3.	1	JAN	0330	42	891.	1	JAN	0530	66	714.	1	JAN	0730	90	503.
1	JAN	0135	19	3.	1	JAN	0335	43	1000.	1	JAN	0535	67	703.	1	JAN	0735	91	472.
1	JAN	0140	20	3.	1	JAN	0340	44	1107.	1	JAN	0540	68	699.	1	JAN	0740	92	438.
1	JAN	0145	21	3.	1	JAN	0345	45	1202.	1	JAN	0545	69	701.	1	JAN	0745	93	401.
1	JAN	0150	22	3.	1	JAN	0350	46	1274.	1	JAN	0550	70	707.	1	JAN	0750	94	364.
1	JAN	0155	23	3.	1	JAN	0355	47	1321.	1	JAN	0555	71	716.	1	JAN	0755	95	327.
1	JAN	0200	24	4.	1	JAN	0400	48	1340.	1	JAN	0600	72	726.	1	JAN	0800	96	292.

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	72-HR	7.92-HR
(CFS)	(HR)	(CFS)		24-HR		
1340.	3.92		696.	528.	528.	528.
		(INCHES)	1.104	1.106	1.106	1.106
		(AC-FT)	345.	346.	346.	346.
CUMULATIVE AREA =			5.86 SQ MI			

302 KK *****
 * WT6R2 * Route WF Third to main at 3 fps

HYDROGRAPH ROUTING DATA

303 RM MUSKINGUM ROUTING
 NSTPS 3 NUMBER OF SUBREACHES
 AMSKK 0.30 MUSKINGUM K
 X 0.40 MUSKINGUM X

HYDROGRAPH AT STATION WT6R2

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	3.	1	JAN	0205	25	3.	1	JAN	0405	49	1225.	1	JAN	0605	73	705.
1	JAN	0010	2	3.	1	JAN	0210	26	3.	1	JAN	0410	50	1285.	1	JAN	0610	74	712.
1	JAN	0015	3	3.	1	JAN	0215	27	3.	1	JAN	0415	51	1320.	1	JAN	0615	75	721.
1	JAN	0020	4	3.	1	JAN	0220	28	5.	1	JAN	0420	52	1330.	1	JAN	0620	76	731.
1	JAN	0025	5	3.	1	JAN	0225	29	9.	1	JAN	0425	53	1318.	1	JAN	0625	77	740.
1	JAN	0030	6	3.	1	JAN	0230	30	15.	1	JAN	0430	54	1290.	1	JAN	0630	78	748.
1	JAN	0035	7	3.	1	JAN	0235	31	25.	1	JAN	0435	55	1251.	1	JAN	0635	79	755.
1	JAN	0040	8	3.	1	JAN	0240	32	44.	1	JAN	0440	56	1207.	1	JAN	0640	80	760.
1	JAN	0045	9	3.	1	JAN	0245	33	73.	1	JAN	0445	57	1160.	1	JAN	0645	81	762.
1	JAN	0050	10	3.	1	JAN	0250	34	116.	1	JAN	0450	58	1116.	1	JAN	0650	82	759.
1	JAN	0055	11	3.	1	JAN	0255	35	171.	1	JAN	0455	59	1076.	1	JAN	0655	83	750.
1	JAN	0100	12	3.	1	JAN	0300	36	234.	1	JAN	0500	60	1040.	1	JAN	0700	84	735.
1	JAN	0105	13	3.	1	JAN	0305	37	300.	1	JAN	0505	61	1005.	1	JAN	0705	85	715.
1	JAN	0110	14	3.	1	JAN	0310	38	365.	1	JAN	0510	62	970.	1	JAN	0710	86	692.
1	JAN	0115	15	3.	1	JAN	0315	39	426.	1	JAN	0515	63	933.	1	JAN	0715	87	666.
1	JAN	0120	16	3.	1	JAN	0320	40	482.	1	JAN	0520	64	895.	1	JAN	0720	88	641.
1	JAN	0125	17	3.	1	JAN	0325	41	536.	1	JAN	0525	65	856.	1	JAN	0725	89	615.

1 JAN 0130	18	3.	*	1 JAN 0330	42	594.	*	1 JAN 0530	66	817.	*	1 JAN 0730	90	591.
1 JAN 0135	19	3.	*	1 JAN 0335	43	662.	*	1 JAN 0535	67	781.	*	1 JAN 0735	91	568.
1 JAN 0140	20	3.	*	1 JAN 0340	44	742.	*	1 JAN 0540	68	751.	*	1 JAN 0740	92	544.
1 JAN 0145	21	3.	*	1 JAN 0345	45	835.	*	1 JAN 0545	69	728.	*	1 JAN 0745	93	518.
1 JAN 0150	22	3.	*	1 JAN 0350	46	937.	*	1 JAN 0550	70	712.	*	1 JAN 0750	94	490.
1 JAN 0155	23	3.	*	1 JAN 0355	47	1043.	*	1 JAN 0555	71	704.	*	1 JAN 0755	95	458.
1 JAN 0200	24	3.	*	1 JAN 0400	48	1142.	*	1 JAN 0600	72	702.	*	1 JAN 0800	96	423.

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	7.92-HR
1330.	4.25	678.	515.	515.	515.
		(INCHES)	1.076	1.078	1.078
		(AC-FT)	336.	337.	337.

CUMULATIVE AREA = 5.86 SQ MI

 304 KK * T7 * Mouth Third

308 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 15 TIME INTERVAL IN MINUTES
 JXDATE 1JAN99 STARTING DATE
 JXTIME 5 STARTING TIME

SUBBASIN RUNOFF DATA

305 BA SUBBASIN CHARACTERISTICS
 TAREA 0.16 SUBBASIN AREA

306 BF BASE FLOW CHARACTERISTICS
 STRTQ 0.00 INITIAL FLOW
 QRCSN -0.05 BEGIN BASE FLOW RECESSION
 RTIOR 1.50000 RECESSION CONSTANT

PRECIPITATION DATA

307 PB STORM 1.07 BASIN TOTAL PRECIPITATION

309 PI INCREMENTAL PRECIPITATION PATTERN

0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1.00
1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	3.67	3.67	
3.67	7.00	7.00	7.00	4.00	4.00	4.00	2.33	2.33	2.33	
1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	0.67	
0.67	0.67	0.33	0.33	0.33	0.33	0.33	0.33	1.00	1.00	
1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	
0.67	0.67									

313 LS SCS LOSS RATE
 STRTL 0.41 INITIAL ABSTRACTION
 CRVNR 83.13 CURVE NUMBER
 RTIMP 0.00 PERCENT IMPERVIOUS AREA

314 UI INPUT UNITGRAPH, 9 ORDINATES, VOLUME = 1.00
 160.0 338.0 282.0 190.0 113.0 70.0 45.0 27.0 13.0

HYDROGRAPH AT STATION T7

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	0005	1	0.00	0.00	0.00	0.	1	JAN	0405	49	0.00	0.00	0.00	2.
1	JAN	0010	2	0.01	0.01	0.00	0.	1	JAN	0410	50	0.01	0.01	0.00	2.
1	JAN	0015	3	0.01	0.01	0.00	0.	1	JAN	0415	51	0.01	0.01	0.00	3.
1	JAN	0020	4	0.01	0.01	0.00	0.	1	JAN	0420	52	0.01	0.01	0.00	3.
1	JAN	0025	5	0.01	0.01	0.00	0.	1	JAN	0425	53	0.01	0.01	0.00	4.
1	JAN	0030	6	0.01	0.01	0.00	0.	1	JAN	0430	54	0.01	0.01	0.00	4.
1	JAN	0035	7	0.01	0.01	0.00	0.	1	JAN	0435	55	0.01	0.01	0.00	4.
1	JAN	0040	8	0.01	0.01	0.00	0.	1	JAN	0440	56	0.01	0.01	0.00	5.
1	JAN	0045	9	0.01	0.01	0.00	0.	1	JAN	0445	57	0.01	0.01	0.00	5.
1	JAN	0050	10	0.01	0.01	0.00	0.	1	JAN	0450	58	0.01	0.01	0.00	5.
1	JAN	0055	11	0.01	0.01	0.00	0.	1	JAN	0455	59	0.01	0.01	0.00	5.
1	JAN	0100	12	0.01	0.01	0.00	0.	1	JAN	0500	60	0.01	0.01	0.00	5.
1	JAN	0105	13	0.01	0.01	0.00	0.	1	JAN	0505	61	0.01	0.01	0.00	5.
1	JAN	0110	14	0.00	0.00	0.00	0.	1	JAN	0510	62	0.01	0.00	0.00	5.
1	JAN	0115	15	0.00	0.00	0.00	0.	1	JAN	0515	63	0.01	0.00	0.00	4.
1	JAN	0120	16	0.00	0.00	0.00	0.	1	JAN	0520	64	0.01	0.00	0.00	4.

1 JAN 0125	17	0.01	0.01	0.00	0.	*	1 JAN 0525	65	0.01	0.00	0.00	4.
1 JAN 0130	18	0.01	0.01	0.00	0.	*	1 JAN 0530	66	0.01	0.00	0.00	4.
1 JAN 0135	19	0.01	0.01	0.00	0.	*	1 JAN 0535	67	0.01	0.00	0.00	4.
1 JAN 0140	20	0.04	0.04	0.00	0.	*	1 JAN 0540	68	0.01	0.00	0.00	4.
1 JAN 0145	21	0.04	0.04	0.00	0.	*	1 JAN 0545	69	0.01	0.00	0.00	4.
1 JAN 0150	22	0.04	0.04	0.00	0.	*	1 JAN 0550	70	0.01	0.00	0.00	4.
1 JAN 0155	23	0.07	0.07	0.00	0.	*	1 JAN 0555	71	0.01	0.00	0.00	4.
1 JAN 0200	24	0.07	0.07	0.00	0.	*	1 JAN 0600	72	0.01	0.00	0.00	4.
1 JAN 0205	25	0.07	0.07	0.00	0.	*	1 JAN 0605	73	0.01	0.00	0.00	4.
1 JAN 0210	26	0.04	0.04	0.00	2.	*	1 JAN 0610	74	0.00	0.00	0.00	3.
1 JAN 0215	27	0.04	0.04	0.01	3.	*	1 JAN 0615	75	0.00	0.00	0.00	2.
1 JAN 0220	28	0.04	0.04	0.01	4.	*	1 JAN 0620	76	0.00	0.00	0.00	1.
1 JAN 0225	29	0.02	0.02	0.00	6.	*	1 JAN 0625	77	0.00	0.00	0.00	1.
1 JAN 0230	30	0.02	0.02	0.01	6.	*	1 JAN 0630	78	0.00	0.00	0.00	0.
1 JAN 0235	31	0.02	0.02	0.01	6.	*	1 JAN 0635	79	0.00	0.00	0.00	0.
1 JAN 0240	32	0.01	0.01	0.00	6.	*	1 JAN 0640	80	0.00	0.00	0.00	0.
1 JAN 0245	33	0.01	0.01	0.00	6.	*	1 JAN 0645	81	0.00	0.00	0.00	0.
1 JAN 0250	34	0.01	0.01	0.00	5.	*	1 JAN 0650	82	0.00	0.00	0.00	0.
1 JAN 0255	35	0.01	0.01	0.00	5.	*	1 JAN 0655	83	0.00	0.00	0.00	0.
1 JAN 0300	36	0.01	0.01	0.00	5.	*	1 JAN 0700	84	0.00	0.00	0.00	0.
1 JAN 0305	37	0.01	0.01	0.00	5.	*	1 JAN 0705	85	0.00	0.00	0.00	0.
1 JAN 0310	38	0.01	0.01	0.00	5.	*	1 JAN 0710	86	0.00	0.00	0.00	0.
1 JAN 0315	39	0.01	0.01	0.00	5.	*	1 JAN 0715	87	0.00	0.00	0.00	0.
1 JAN 0320	40	0.01	0.01	0.00	5.	*	1 JAN 0720	88	0.00	0.00	0.00	0.
1 JAN 0325	41	0.01	0.00	0.00	5.	*	1 JAN 0725	89	0.00	0.00	0.00	0.
1 JAN 0330	42	0.01	0.00	0.00	4.	*	1 JAN 0730	90	0.00	0.00	0.00	0.
1 JAN 0335	43	0.01	0.00	0.00	4.	*	1 JAN 0735	91	0.00	0.00	0.00	0.
1 JAN 0340	44	0.00	0.00	0.00	3.	*	1 JAN 0740	92	0.00	0.00	0.00	0.
1 JAN 0345	45	0.00	0.00	0.00	3.	*	1 JAN 0745	93	0.00	0.00	0.00	0.
1 JAN 0350	46	0.00	0.00	0.00	2.	*	1 JAN 0750	94	0.00	0.00	0.00	0.
1 JAN 0355	47	0.00	0.00	0.00	2.	*	1 JAN 0755	95	0.00	0.00	0.00	0.
1 JAN 0400	48	0.00	0.00	0.00	2.	*	1 JAN 0800	96	0.00	0.00	0.00	0.

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TOTAL RAINFALL = 1.07, TOTAL LOSS = 0.91, TOTAL EXCESS = 0.16

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	7.92-HR
6.	2.50	3.	2.	2.	2.
		(INCHES) 0.167	0.167	0.167	0.167
		(AC-FT) 1.	1.	1.	1.

CUMULATIVE AREA = 0.16 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 1: /THIRD CR/MOUTH LOCAL/FLOW/01JAN1999/5MIN//

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316 KK T7C Combine Third Cr at mouth, Pt 12

317 HC HYDROGRAPH COMBINATION
ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

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HYDROGRAPH AT STATION T7C
SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	3.	1	JAN	0205	25	4.	1	JAN	0405	49	1226.	1	JAN	0605	73	709.
1	JAN	0010	2	3.	1	JAN	0210	26	5.	1	JAN	0410	50	1287.	1	JAN	0610	74	715.
1	JAN	0015	3	3.	1	JAN	0215	27	6.	1	JAN	0415	51	1323.	1	JAN	0615	75	723.
1	JAN	0020	4	3.	1	JAN	0220	28	10.	1	JAN	0420	52	1333.	1	JAN	0620	76	732.
1	JAN	0025	5	3.	1	JAN	0225	29	15.	1	JAN	0425	53	1322.	1	JAN	0625	77	741.
1	JAN	0030	6	3.	1	JAN	0230	30	21.	1	JAN	0430	54	1294.	1	JAN	0630	78	749.
1	JAN	0035	7	3.	1	JAN	0235	31	31.	1	JAN	0435	55	1256.	1	JAN	0635	79	755.
1	JAN	0040	8	3.	1	JAN	0240	32	50.	1	JAN	0440	56	1211.	1	JAN	0640	80	760.
1	JAN	0045	9	3.	1	JAN	0245	33	79.	1	JAN	0445	57	1165.	1	JAN	0645	81	762.
1	JAN	0050	10	3.	1	JAN	0250	34	121.	1	JAN	0450	58	1121.	1	JAN	0650	82	760.
1	JAN	0055	11	3.	1	JAN	0255	35	176.	1	JAN	0455	59	1081.	1	JAN	0655	83	751.
1	JAN	0100	12	3.	1	JAN	0300	36	239.	1	JAN	0500	60	1045.	1	JAN	0700	84	735.
1	JAN	0105	13	3.	1	JAN	0305	37	305.	1	JAN	0505	61	1010.	1	JAN	0705	85	715.
1	JAN	0110	14	3.	1	JAN	0310	38	370.	1	JAN	0510	62	975.	1	JAN	0710	86	692.
1	JAN	0115	15	3.	1	JAN	0315	39	430.	1	JAN	0515	63	938.	1	JAN	0715	87	667.
1	JAN	0120	16	3.	1	JAN	0320	40	487.	1	JAN	0520	64	899.	1	JAN	0720	88	641.
1	JAN	0125	17	3.	1	JAN	0325	41	541.	1	JAN	0525	65	860.	1	JAN	0725	89	616.
1	JAN	0130	18	3.	1	JAN	0330	42	599.	1	JAN	0530	66	821.	1	JAN	0730	90	592.
1	JAN	0135	19	3.	1	JAN	0335	43	665.	1	JAN	0535	67	785.	1	JAN	0735	91	568.
1	JAN	0140	20	3.	1	JAN	0340	44	745.	1	JAN	0540	68	755.	1	JAN	0740	92	544.
1	JAN	0145	21	3.	1	JAN	0345	45	837.	1	JAN	0545	69	731.	1	JAN	0745	93	519.

1 JAN 0130	18	0.03	0.03	0.00	0.	*	1 JAN 0530	66	0.02	0.01	0.01	81.
1 JAN 0135	19	0.03	0.03	0.00	0.	*	1 JAN 0535	67	0.02	0.01	0.01	79.
1 JAN 0140	20	0.11	0.11	0.00	0.	*	1 JAN 0540	68	0.02	0.01	0.01	79.
1 JAN 0145	21	0.11	0.11	0.00	0.	*	1 JAN 0545	69	0.02	0.01	0.01	78.
1 JAN 0150	22	0.11	0.11	0.00	0.	*	1 JAN 0550	70	0.02	0.01	0.01	76.
1 JAN 0155	23	0.21	0.21	0.00	0.	*	1 JAN 0555	71	0.02	0.01	0.01	75.
1 JAN 0200	24	0.21	0.21	0.00	0.	*	1 JAN 0600	72	0.02	0.01	0.01	74.
1 JAN 0205	25	0.21	0.20	0.01	2.	*	1 JAN 0605	73	0.02	0.01	0.01	74.
1 JAN 0210	26	0.12	0.11	0.01	9.	*	1 JAN 0610	74	0.00	0.00	0.00	73.
1 JAN 0215	27	0.12	0.10	0.02	19.	*	1 JAN 0615	75	0.00	0.00	0.00	71.
1 JAN 0220	28	0.12	0.10	0.02	34.	*	1 JAN 0620	76	0.00	0.00	0.00	66.
1 JAN 0225	29	0.07	0.06	0.01	50.	*	1 JAN 0625	77	0.00	0.00	0.00	59.
1 JAN 0230	30	0.07	0.05	0.02	64.	*	1 JAN 0630	78	0.00	0.00	0.00	51.
1 JAN 0235	31	0.07	0.05	0.02	77.	*	1 JAN 0635	79	0.00	0.00	0.00	43.
1 JAN 0240	32	0.04	0.03	0.01	86.	*	1 JAN 0640	80	0.00	0.00	0.00	35.
1 JAN 0245	33	0.04	0.03	0.01	91.	*	1 JAN 0645	81	0.00	0.00	0.00	29.
1 JAN 0250	34	0.04	0.03	0.01	94.	*	1 JAN 0650	82	0.00	0.00	0.00	23.
1 JAN 0255	35	0.04	0.03	0.01	94.	*	1 JAN 0655	83	0.00	0.00	0.00	19.
1 JAN 0300	36	0.04	0.03	0.01	94.	*	1 JAN 0700	84	0.00	0.00	0.00	15.
1 JAN 0305	37	0.04	0.03	0.01	94.	*	1 JAN 0705	85	0.00	0.00	0.00	12.
1 JAN 0310	38	0.04	0.03	0.01	94.	*	1 JAN 0710	86	0.00	0.00	0.00	10.
1 JAN 0315	39	0.04	0.03	0.01	95.	*	1 JAN 0715	87	0.00	0.00	0.00	8.
1 JAN 0320	40	0.04	0.03	0.01	96.	*	1 JAN 0720	88	0.00	0.00	0.00	6.
1 JAN 0325	41	0.02	0.01	0.01	96.	*	1 JAN 0725	89	0.00	0.00	0.00	5.
1 JAN 0330	42	0.02	0.01	0.01	94.	*	1 JAN 0730	90	0.00	0.00	0.00	5.
1 JAN 0335	43	0.02	0.01	0.01	90.	*	1 JAN 0735	91	0.00	0.00	0.00	4.
1 JAN 0340	44	0.01	0.01	0.00	85.	*	1 JAN 0740	92	0.00	0.00	0.00	4.
1 JAN 0345	45	0.01	0.01	0.00	79.	*	1 JAN 0745	93	0.00	0.00	0.00	4.
1 JAN 0350	46	0.01	0.01	0.00	72.	*	1 JAN 0750	94	0.00	0.00	0.00	4.
1 JAN 0355	47	0.01	0.01	0.00	65.	*	1 JAN 0755	95	0.00	0.00	0.00	4.
1 JAN 0400	48	0.01	0.01	0.00	58.	*	1 JAN 0800	96	0.00	0.00	0.00	4.

TOTAL RAINFALL = 3.01, TOTAL LOSS = 2.51, TOTAL EXCESS = 0.50

PEAK FLOW	TIME	6-HR	24-HR	72-HR	7.92-HR
(CFS)	(HR)	(CFS)	(INCHES)	(AC-FT)	(AC-FT)
96.	3.33	56.	0.503	28.	28.
		42.	0.503	28.	28.
		42.	0.503	28.	28.
		42.	0.503	28.	28.

CUMULATIVE AREA = 1.03 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 2: /WF INCLINE CR/VILLAGE BL PT10/FLOW/01JAN1999/5MIN//

333 KK * * * * *
 * * * * * WIIR * * * * *
 * * * * * Route WF Incline to SR 28 at 3 fps
 * * * * *

HYDROGRAPH ROUTING DATA

334 RM MUSKINGUM ROUTING
 NSTPS 8 NUMBER OF SUBREACHES
 AMSKK 0.79 MUSKINGUM K
 X 0.40 MUSKINGUM X

HYDROGRAPH AT STATION WIIR

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	0.	1	JAN	0205	25	0.	1	JAN	0405	49	95.	1	JAN	0605	73	85.
1	JAN	0010	2	0.	1	JAN	0210	26	0.	1	JAN	0410	50	95.	1	JAN	0610	74	84.
1	JAN	0015	3	0.	1	JAN	0215	27	0.	1	JAN	0415	51	93.	1	JAN	0615	75	82.
1	JAN	0020	4	0.	1	JAN	0220	28	0.	1	JAN	0420	52	90.	1	JAN	0620	76	80.
1	JAN	0025	5	0.	1	JAN	0225	29	0.	1	JAN	0425	53	86.	1	JAN	0625	77	79.
1	JAN	0030	6	0.	1	JAN	0230	30	0.	1	JAN	0430	54	81.	1	JAN	0630	78	77.
1	JAN	0035	7	0.	1	JAN	0235	31	0.	1	JAN	0435	55	74.	1	JAN	0635	79	76.
1	JAN	0040	8	0.	1	JAN	0240	32	0.	1	JAN	0440	56	68.	1	JAN	0640	80	75.
1	JAN	0045	9	0.	1	JAN	0245	33	1.	1	JAN	0445	57	62.	1	JAN	0645	81	74.
1	JAN	0050	10	0.	1	JAN	0250	34	4.	1	JAN	0450	58	56.	1	JAN	0650	82	73.
1	JAN	0055	11	0.	1	JAN	0255	35	9.	1	JAN	0455	59	53.	1	JAN	0655	83	71.
1	JAN	0100	12	0.	1	JAN	0300	36	18.	1	JAN	0500	60	51.	1	JAN	0700	84	67.
1	JAN	0105	13	0.	1	JAN	0305	37	30.	1	JAN	0505	61	52.	1	JAN	0705	85	61.
1	JAN	0110	14	0.	1	JAN	0310	38	43.	1	JAN	0510	62	55.	1	JAN	0710	86	54.
1	JAN	0115	15	0.	1	JAN	0315	39	57.	1	JAN	0515	63	58.	1	JAN	0715	87	47.
1	JAN	0120	16	0.	1	JAN	0320	40	69.	1	JAN	0520	64	63.	1	JAN	0720	88	39.
1	JAN	0125	17	0.	1	JAN	0325	41	78.	1	JAN	0525	65	67.	1	JAN	0725	89	33.
1	JAN	0130	18	0.	1	JAN	0330	42	85.	1	JAN	0530	66	71.	1	JAN	0730	90	27.
1	JAN	0135	19	0.	1	JAN	0335	43	90.	1	JAN	0535	67	75.	1	JAN	0735	91	22.

1 JAN 0140	20	0.	*	1 JAN 0340	44	92.	*	1 JAN 0540	68	78.	*	1 JAN 0740	92	18.
1 JAN 0145	21	0.	*	1 JAN 0345	45	93.	*	1 JAN 0545	69	81.	*	1 JAN 0745	93	14.
1 JAN 0150	22	0.	*	1 JAN 0350	46	94.	*	1 JAN 0550	70	83.	*	1 JAN 0750	94	11.
1 JAN 0155	23	0.	*	1 JAN 0355	47	94.	*	1 JAN 0555	71	85.	*	1 JAN 0755	95	9.
1 JAN 0200	24	0.	*	1 JAN 0400	48	95.	*	1 JAN 0600	72	85.	*	1 JAN 0800	96	7.

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PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	7.92-HR
95.	4.00	55.	42.	42.	42.
		(INCHES) 0.498	0.498	0.498	0.498
		(AC-FT) 27.	27.	27.	27.

CUMULATIVE AREA = 1.03 SQ MI

 * * * * *
 335 KK * * * * *
 * * * * * WI2 * * * * *
 * * * * * WF Incline at SR 28
 * * * * *

339 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 15 TIME INTERVAL IN MINUTES
 JXDATE 1JAN99 STARTING DATE
 JXTIME 5 STARTING TIME

SUBBASIN RUNOFF DATA

336 BA SUBBASIN CHARACTERISTICS
 TAREA 0.93 SUBBASIN AREA

337 BF BASE FLOW CHARACTERISTICS
 STRTQ 0.00 INITIAL FLOW
 QRCSN -0.05 BEGIN BASE FLOW RECESSION
 RTIOR 1.5000 RECESSION CONSTANT

PRECIPITATION DATA

338 PB STORM 2.04 BASIN TOTAL PRECIPITATION

340 PI INCREMENTAL PRECIPITATION PATTERN

0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1.00
1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	1.00	3.67	3.67
3.67	7.00	7.00	7.00	4.00	4.00	4.00	2.33	2.33	2.33	3.67
1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	0.67
0.67	0.67	0.33	0.33	0.33	0.33	0.33	0.33	0.33	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67

344 LS SCS LOSS RATE
 STRTL 0.83 INITIAL ABSTRACTION
 CRVNR 70.58 CURVE NUMBER
 RTIMP 0.00 PERCENT IMPERVIOUS AREA

345 UI INPUT UNITGRAPH, 24 ORDINATES, VOLUME = 1.00

152.0	432.0	638.0	792.0	779.0	722.0	629.0	547.0	467.0	389.0
313.0	256.0	211.0	177.0	148.0	124.0	104.0	85.0	70.0	58.0
43.0	32.0	22.0	10.0						

HYDROGRAPH AT STATION W12

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	0005	1	0.00	0.00	0.00	0.	1	JAN	0405	49	0.01	0.00	0.00	27.
1	JAN	0010	2	0.01	0.01	0.00	0.	1	JAN	0410	50	0.02	0.01	0.01	25.
1	JAN	0015	3	0.01	0.01	0.00	0.	1	JAN	0415	51	0.02	0.01	0.01	25.
1	JAN	0020	4	0.01	0.01	0.00	0.	1	JAN	0420	52	0.02	0.01	0.01	26.
1	JAN	0025	5	0.01	0.01	0.00	0.	1	JAN	0425	53	0.02	0.01	0.01	28.
1	JAN	0030	6	0.01	0.01	0.00	0.	1	JAN	0430	54	0.02	0.01	0.01	31.
1	JAN	0035	7	0.01	0.01	0.00	0.	1	JAN	0435	55	0.02	0.01	0.01	33.
1	JAN	0040	8	0.01	0.01	0.00	0.	1	JAN	0440	56	0.02	0.01	0.01	35.
1	JAN	0045	9	0.01	0.01	0.00	0.	1	JAN	0445	57	0.02	0.01	0.01	37.
1	JAN	0050	10	0.01	0.01	0.00	0.	1	JAN	0450	58	0.02	0.01	0.01	39.
1	JAN	0055	11	0.02	0.02	0.00	0.	1	JAN	0455	59	0.02	0.01	0.01	41.
1	JAN	0100	12	0.02	0.02	0.00	0.	1	JAN	0500	60	0.02	0.01	0.01	43.
1	JAN	0105	13	0.02	0.02	0.00	0.	1	JAN	0505	61	0.02	0.01	0.01	44.
1	JAN	0110	14	0.01	0.01	0.00	0.	1	JAN	0510	62	0.01	0.01	0.00	45.
1	JAN	0115	15	0.01	0.01	0.00	0.	1	JAN	0515	63	0.01	0.01	0.00	45.
1	JAN	0120	16	0.01	0.01	0.00	0.	1	JAN	0520	64	0.01	0.01	0.01	45.

1 JAN 0125	17	0.02	0.02	0.00	0.	*	1 JAN 0525	65	0.01	0.01	0.01	44.
1 JAN 0130	18	0.02	0.02	0.00	0.	*	1 JAN 0530	66	0.01	0.01	0.01	43.
1 JAN 0135	19	0.02	0.02	0.00	0.	*	1 JAN 0535	67	0.01	0.01	0.01	42.
1 JAN 0140	20	0.07	0.07	0.00	0.	*	1 JAN 0540	68	0.01	0.01	0.01	41.
1 JAN 0145	21	0.07	0.07	0.00	0.	*	1 JAN 0545	69	0.01	0.01	0.01	41.
1 JAN 0150	22	0.07	0.07	0.00	0.	*	1 JAN 0550	70	0.01	0.01	0.01	40.
1 JAN 0155	23	0.14	0.14	0.00	0.	*	1 JAN 0555	71	0.01	0.01	0.01	40.
1 JAN 0200	24	0.14	0.14	0.00	0.	*	1 JAN 0600	72	0.01	0.01	0.01	39.
1 JAN 0205	25	0.14	0.14	0.00	0.	*	1 JAN 0605	73	0.01	0.01	0.01	39.
1 JAN 0210	26	0.08	0.08	0.00	1.	*	1 JAN 0610	74	0.00	0.00	0.00	38.
1 JAN 0215	27	0.08	0.07	0.01	4.	*	1 JAN 0615	75	0.00	0.00	0.00	36.
1 JAN 0220	28	0.08	0.07	0.01	9.	*	1 JAN 0620	76	0.00	0.00	0.00	32.
1 JAN 0225	29	0.05	0.04	0.01	15.	*	1 JAN 0625	77	0.00	0.00	0.00	28.
1 JAN 0230	30	0.05	0.04	0.01	22.	*	1 JAN 0630	78	0.00	0.00	0.00	24.
1 JAN 0235	31	0.05	0.04	0.01	28.	*	1 JAN 0635	79	0.00	0.00	0.00	20.
1 JAN 0240	32	0.03	0.02	0.01	33.	*	1 JAN 0640	80	0.00	0.00	0.00	16.
1 JAN 0245	33	0.03	0.02	0.01	36.	*	1 JAN 0645	81	0.00	0.00	0.00	13.
1 JAN 0250	34	0.03	0.02	0.01	38.	*	1 JAN 0650	82	0.00	0.00	0.00	11.
1 JAN 0255	35	0.03	0.02	0.01	40.	*	1 JAN 0655	83	0.00	0.00	0.00	9.
1 JAN 0300	36	0.03	0.02	0.01	41.	*	1 JAN 0700	84	0.00	0.00	0.00	7.
1 JAN 0305	37	0.03	0.02	0.01	42.	*	1 JAN 0705	85	0.00	0.00	0.00	6.
1 JAN 0310	38	0.03	0.02	0.01	43.	*	1 JAN 0710	86	0.00	0.00	0.00	5.
1 JAN 0315	39	0.03	0.02	0.01	44.	*	1 JAN 0715	87	0.00	0.00	0.00	4.
1 JAN 0320	40	0.03	0.02	0.01	45.	*	1 JAN 0720	88	0.00	0.00	0.00	3.
1 JAN 0325	41	0.01	0.01	0.00	45.	*	1 JAN 0725	89	0.00	0.00	0.00	2.
1 JAN 0330	42	0.01	0.01	0.00	45.	*	1 JAN 0730	90	0.00	0.00	0.00	2.
1 JAN 0335	43	0.01	0.01	0.00	44.	*	1 JAN 0735	91	0.00	0.00	0.00	2.
1 JAN 0340	44	0.01	0.00	0.00	42.	*	1 JAN 0740	92	0.00	0.00	0.00	2.
1 JAN 0345	45	0.01	0.00	0.00	39.	*	1 JAN 0745	93	0.00	0.00	0.00	2.
1 JAN 0350	46	0.01	0.00	0.00	36.	*	1 JAN 0750	94	0.00	0.00	0.00	2.
1 JAN 0355	47	0.01	0.00	0.00	33.	*	1 JAN 0755	95	0.00	0.00	0.00	2.
1 JAN 0400	48	0.01	0.00	0.00	30.	*	1 JAN 0800	96	0.00	0.00	0.00	2.

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TOTAL RAINFALL = 2.04, TOTAL LOSS = 1.77, TOTAL EXCESS = 0.27

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	7.92-HR
45.	3.33	27.	21.	21.	21.
		(INCHES) 0.272	0.272	0.272	0.272
		(AC-FT) 13.	13.	13.	13.

CUMULATIVE AREA = 0.93 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 2: /WF INCLINE CR/SR28 LOCAL/FLOW/01JAN1999/5MIN//

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*****
*          *
349 KK  *  WI2C  *   Combine WF Incline at SR 28, Pt 11
*          *
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350 HC HYDROGRAPH COMBINATION
ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

.....
HYDROGRAPH AT STATION WI2C
SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	0.	1	JAN	0205	25	0.	1	JAN	0405	49	122.	1	JAN	0605	73	124.
1	JAN	0010	2	0.	1	JAN	0210	26	1.	1	JAN	0410	50	120.	1	JAN	0610	74	122.
1	JAN	0015	3	0.	1	JAN	0215	27	4.	1	JAN	0415	51	118.	1	JAN	0615	75	118.
1	JAN	0020	4	0.	1	JAN	0220	28	9.	1	JAN	0420	52	117.	1	JAN	0620	76	113.
1	JAN	0025	5	0.	1	JAN	0225	29	15.	1	JAN	0425	53	114.	1	JAN	0625	77	107.
1	JAN	0030	6	0.	1	JAN	0230	30	22.	1	JAN	0430	54	111.	1	JAN	0630	78	101.
1	JAN	0035	7	0.	1	JAN	0235	31	28.	1	JAN	0435	55	107.	1	JAN	0635	79	96.
1	JAN	0040	8	0.	1	JAN	0240	32	33.	1	JAN	0440	56	103.	1	JAN	0640	80	91.
1	JAN	0045	9	0.	1	JAN	0245	33	37.	1	JAN	0445	57	99.	1	JAN	0645	81	88.
1	JAN	0050	10	0.	1	JAN	0250	34	42.	1	JAN	0450	58	96.	1	JAN	0650	82	84.
1	JAN	0055	11	0.	1	JAN	0255	35	49.	1	JAN	0455	59	94.	1	JAN	0655	83	79.
1	JAN	0100	12	0.	1	JAN	0300	36	59.	1	JAN	0500	60	94.	1	JAN	0700	84	74.
1	JAN	0105	13	0.	1	JAN	0305	37	72.	1	JAN	0505	61	96.	1	JAN	0705	85	67.
1	JAN	0110	14	0.	1	JAN	0310	38	86.	1	JAN	0510	62	100.	1	JAN	0710	86	59.
1	JAN	0115	15	0.	1	JAN	0315	39	100.	1	JAN	0515	63	104.	1	JAN	0715	87	50.
1	JAN	0120	16	0.	1	JAN	0320	40	113.	1	JAN	0520	64	107.	1	JAN	0720	88	42.
1	JAN	0125	17	0.	1	JAN	0325	41	123.	1	JAN	0525	65	111.	1	JAN	0725	89	35.
1	JAN	0130	18	0.	1	JAN	0330	42	130.	1	JAN	0530	66	114.	1	JAN	0730	90	29.
1	JAN	0135	19	0.	1	JAN	0335	43	133.	1	JAN	0535	67	117.	1	JAN	0735	91	24.
1	JAN	0140	20	0.	1	JAN	0340	44	134.	1	JAN	0540	68	119.	1	JAN	0740	92	20.
1	JAN	0145	21	0.	1	JAN	0345	45	132.	1	JAN	0545	69	121.	1	JAN	0745	93	16.

1 JAN 0150	22	0.	*	1 JAN 0350	46	129.	*	1 JAN 0550	70	123.	*	1 JAN 0750	94	13.
1 JAN 0155	23	0.	*	1 JAN 0355	47	127.	*	1 JAN 0555	71	124.	*	1 JAN 0755	95	11.
1 JAN 0200	24	0.	*	1 JAN 0400	48	124.	*	1 JAN 0600	72	125.	*	1 JAN 0800	96	9.

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	7.92-HR
134.	3.58	82.	62.	62.	62.
		(INCHES)	0.390	0.390	0.390
		(AC-FT)	41.	41.	41.

CUMULATIVE AREA = 1.96 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 2: /WF INCLINE CR/SR28 PT11/FLOW/01JAN1999/5MIN//

 352 KK WI2R Route WF Incline Cr to main at 3 fps

HYDROGRAPH ROUTING DATA

353 RM MUSKINGUM ROUTING
 NSTPS 3 NUMBER OF SUBREACHES
 AMSKK 0.33 MUSKINGUM K
 X 0.40 MUSKINGUM X

***** WARNING ***** POSSIBLE INSTABILITIES IN THE MUSKINGUM ROUTING FOR REACH WI2R.
 REDUCE NSTPS OR DECREASE YOUR COMPUTATION INTERVAL (FIRST FIELD OF THE IT RECORD).

HYDROGRAPH AT STATION WI2R

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	0.	1	JAN	0205	25	0.	1	JAN	0405	49	131.	1	JAN	0605	73	121.
1	JAN	0010	2	0.	1	JAN	0210	26	0.	1	JAN	0410	50	129.	1	JAN	0610	74	123.
1	JAN	0015	3	0.	1	JAN	0215	27	0.	1	JAN	0415	51	127.	1	JAN	0615	75	124.
1	JAN	0020	4	0.	1	JAN	0220	28	0.	1	JAN	0420	52	124.	1	JAN	0620	76	124.
1	JAN	0025	5	0.	1	JAN	0225	29	1.	1	JAN	0425	53	122.	1	JAN	0625	77	123.
1	JAN	0030	6	0.	1	JAN	0230	30	2.	1	JAN	0430	54	120.	1	JAN	0630	78	121.
1	JAN	0035	7	0.	1	JAN	0235	31	5.	1	JAN	0435	55	118.	1	JAN	0635	79	117.
1	JAN	0040	8	0.	1	JAN	0240	32	10.	1	JAN	0440	56	116.	1	JAN	0640	80	112.
1	JAN	0045	9	0.	1	JAN	0245	33	16.	1	JAN	0445	57	114.	1	JAN	0645	81	106.
1	JAN	0050	10	0.	1	JAN	0250	34	22.	1	JAN	0450	58	111.	1	JAN	0650	82	101.
1	JAN	0055	11	0.	1	JAN	0255	35	28.	1	JAN	0455	59	107.	1	JAN	0655	83	96.
1	JAN	0100	12	0.	1	JAN	0300	36	33.	1	JAN	0500	60	103.	1	JAN	0700	84	92.
1	JAN	0105	13	0.	1	JAN	0305	37	37.	1	JAN	0505	61	99.	1	JAN	0705	85	88.
1	JAN	0110	14	0.	1	JAN	0310	38	43.	1	JAN	0510	62	96.	1	JAN	0710	86	84.
1	JAN	0115	15	0.	1	JAN	0315	39	51.	1	JAN	0515	63	95.	1	JAN	0715	87	79.
1	JAN	0120	16	0.	1	JAN	0320	40	61.	1	JAN	0520	64	95.	1	JAN	0720	88	73.
1	JAN	0125	17	0.	1	JAN	0325	41	73.	1	JAN	0525	65	97.	1	JAN	0725	89	66.
1	JAN	0130	18	0.	1	JAN	0330	42	87.	1	JAN	0530	66	100.	1	JAN	0730	90	58.
1	JAN	0135	19	0.	1	JAN	0335	43	100.	1	JAN	0535	67	104.	1	JAN	0735	91	50.
1	JAN	0140	20	0.	1	JAN	0340	44	113.	1	JAN	0540	68	107.	1	JAN	0740	92	42.
1	JAN	0145	21	0.	1	JAN	0345	45	122.	1	JAN	0545	69	111.	1	JAN	0745	93	35.
1	JAN	0150	22	0.	1	JAN	0350	46	129.	1	JAN	0550	70	114.	1	JAN	0750	94	29.
1	JAN	0155	23	0.	1	JAN	0355	47	132.	1	JAN	0555	71	116.	1	JAN	0755	95	24.
1	JAN	0200	24	0.	1	JAN	0400	48	132.	1	JAN	0600	72	119.	1	JAN	0800	96	20.

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	7.92-HR
132.	3.92	82.	62.	62.	62.
		(INCHES)	0.387	0.387	0.387
		(AC-FT)	40.	40.	40.

CUMULATIVE AREA = 1.96 SQ MI

 354 KK I1 Incline Cr at Ski Way, pt 19

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*****
358 IN      TIME DATA FOR INPUT TIME SERIES
            JKMIN      15  TIME INTERVAL IN MINUTES
            JKDATE    1JAN99  STARTING DATE
            JXTIME     5    STARTING TIME

SUBBASIN RUNOFF DATA

355 BA      SUBBASIN CHARACTERISTICS
            TAREA     4.20  SUBBASIN AREA

356 BF      BASE FLOW CHARACTERISTICS
            STRTQ     0.00  INITIAL FLOW
            QRCSN    -0.05  BEGIN BASE FLOW RECESSON
            RTIOR     1.50000  RECESSON CONSTANT

PRECIPITATION DATA

357 PB      STORM      3.56  BASIN TOTAL PRECIPITATION

359 PI      INCREMENTAL PRECIPITATION PATTERN
            0.67      0.67      0.67      0.67      0.67      0.67      0.67      0.67      0.67      1.00
            1.00      1.00      0.33      0.33      0.33      1.00      1.00      1.00      3.67      3.67
            3.67      7.00      7.00      7.00      4.00      4.00      4.00      2.33      2.33      2.33
            1.33      1.33      1.33      1.33      1.33      1.33      1.33      1.33      1.33      0.67
            0.67      0.67      0.33      0.33      0.33      0.33      0.33      0.33      1.00      1.00
            1.00      1.00      1.00      1.00      1.00      1.00      1.00      1.00      1.00      1.00
            0.67      0.67      0.67      0.67      0.67      0.67      0.67      0.67      0.67      0.67
            0.67      0.67

363 LS      SCS LOSS RATE
            STRTL     1.00  INITIAL ABSTRACTION
            CRVNBR    66.58  CURVE NUMBER
            RTIMP     0.00  PERCENT IMPERVIOUS AREA

364 UI      INPUT UNITGRAPH, 55 ORDINATES, VOLUME = 1.00
            144.0     432.0     720.0     938.0     1175.0     1336.0     1500.0     1649.0     1684.0     1640.0
            1597.0    1545.0    1443.0    1355.0    1276.0    1199.0    1121.0    1044.0    971.0     895.0
            822.0     752.0     676.0     606.0     557.0     513.0     463.0     428.0     398.0     363.0
            335.0     311.0     283.0     261.0     244.0     225.0     207.0     190.0     171.0     155.0
            144.0     133.0     121.0     107.0     91.0      80.0      69.0      61.0     52.0     42.0
            30.0      23.0      14.0      8.0       2.0

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HYDROGRAPH AT STATION I1

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*****
DA MON HRMN  ORD  RAIN  LOSS  EXCESS  COMP Q  *
*
1 JAN 0005   1   0.00  0.00  0.00   0.   *
1 JAN 0010   2   0.02  0.02  0.00   0.   *
1 JAN 0015   3   0.02  0.02  0.00   0.   *
1 JAN 0020   4   0.02  0.02  0.00   0.   *
1 JAN 0025   5   0.02  0.02  0.00   0.   *
1 JAN 0030   6   0.02  0.02  0.00   0.   *
1 JAN 0035   7   0.02  0.02  0.00   0.   *
1 JAN 0040   8   0.02  0.02  0.00   0.   *
1 JAN 0045   9   0.02  0.02  0.00   0.   *
1 JAN 0050  10   0.02  0.02  0.00   0.   *
1 JAN 0055  11   0.04  0.04  0.00   0.   *
1 JAN 0100  12   0.04  0.04  0.00   0.   *
1 JAN 0105  13   0.04  0.04  0.00   0.   *
1 JAN 0110  14   0.01  0.01  0.00   0.   *
1 JAN 0115  15   0.01  0.01  0.00   0.   *
1 JAN 0120  16   0.01  0.01  0.00   0.   *
1 JAN 0125  17   0.04  0.04  0.00   0.   *
1 JAN 0130  18   0.04  0.04  0.00   0.   *
1 JAN 0135  19   0.04  0.04  0.00   0.   *
1 JAN 0140  20   0.13  0.13  0.00   0.   *
1 JAN 0145  21   0.13  0.13  0.00   0.   *
1 JAN 0150  22   0.13  0.13  0.00   0.   *
1 JAN 0155  23   0.25  0.25  0.00   0.   *
1 JAN 0200  24   0.25  0.23  0.02   4.   *
1 JAN 0205  25   0.25  0.21  0.04  16.   *
1 JAN 0210  26   0.14  0.11  0.03  39.   *
1 JAN 0215  27   0.14  0.11  0.04  70.   *
1 JAN 0220  28   0.14  0.10  0.04  110.  *
1 JAN 0225  29   0.08  0.06  0.03  157.  *
1 JAN 0230  30   0.08  0.05  0.03  206.  *
1 JAN 0235  31   0.08  0.05  0.03  259.  *
1 JAN 0240  32   0.05  0.03  0.02  312.  *
1 JAN 0245  33   0.05  0.03  0.02  358.  *
1 JAN 0250  34   0.05  0.03  0.02  399.  *
1 JAN 0255  35   0.05  0.03  0.02  435.  *
1 JAN 0300  36   0.05  0.03  0.02  464.  *
1 JAN 0305  37   0.05  0.03  0.02  488.  *
1 JAN 0310  38   0.05  0.03  0.02  508.  *
1 JAN 0315  39   0.05  0.03  0.02  524.  *
1 JAN 0320  40   0.05  0.03  0.02  538.  *
1 JAN 0325  41   0.02  0.01  0.01  550.  *
*
1 JAN 0405   49   0.01  0.01  0.01  499.  *
1 JAN 0410   50   0.04  0.02  0.02  481.  *
1 JAN 0415   51   0.04  0.02  0.02  466.  *
1 JAN 0420   52   0.04  0.02  0.02  455.  *
1 JAN 0425   53   0.04  0.02  0.02  447.  *
1 JAN 0430   54   0.04  0.02  0.02  442.  *
1 JAN 0435   55   0.04  0.02  0.02  441.  *
1 JAN 0440   56   0.04  0.02  0.02  443.  *
1 JAN 0445   57   0.04  0.02  0.02  448.  *
1 JAN 0450   58   0.04  0.02  0.02  454.  *
1 JAN 0455   59   0.04  0.02  0.02  462.  *
1 JAN 0500   60   0.04  0.02  0.02  470.  *
1 JAN 0505   61   0.04  0.02  0.02  478.  *
1 JAN 0510   62   0.02  0.01  0.01  486.  *
1 JAN 0515   63   0.02  0.01  0.01  491.  *
1 JAN 0520   64   0.02  0.01  0.01  495.  *
1 JAN 0525   65   0.02  0.01  0.01  498.  *
1 JAN 0530   66   0.02  0.01  0.01  499.  *
1 JAN 0535   67   0.02  0.01  0.01  500.  *
1 JAN 0540   68   0.02  0.01  0.01  498.  *
1 JAN 0545   69   0.02  0.01  0.01  495.  *
1 JAN 0550   70   0.02  0.01  0.01  492.  *
1 JAN 0555   71   0.02  0.01  0.01  488.  *
1 JAN 0600   72   0.02  0.01  0.01  484.  *
1 JAN 0605   73   0.02  0.01  0.01  479.  *
1 JAN 0610   74   0.00  0.00  0.00  473.  *
1 JAN 0615   75   0.00  0.00  0.00  463.  *
1 JAN 0620   76   0.00  0.00  0.00  450.  *
1 JAN 0625   77   0.00  0.00  0.00  433.  *
1 JAN 0630   78   0.00  0.00  0.00  414.  *
1 JAN 0635   79   0.00  0.00  0.00  393.  *
1 JAN 0640   80   0.00  0.00  0.00  370.  *
1 JAN 0645   81   0.00  0.00  0.00  345.  *
1 JAN 0650   82   0.00  0.00  0.00  321.  *
1 JAN 0655   83   0.00  0.00  0.00  297.  *
1 JAN 0700   84   0.00  0.00  0.00  274.  *
1 JAN 0705   85   0.00  0.00  0.00  252.  *
1 JAN 0710   86   0.00  0.00  0.00  232.  *
1 JAN 0715   87   0.00  0.00  0.00  213.  *
1 JAN 0720   88   0.00  0.00  0.00  196.  *
1 JAN 0725   89   0.00  0.00  0.00  179.  *

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1 JAN 0330	42	0.02	0.01	0.01	558.	*	1 JAN 0730	90	0.00	0.00	0.00	164.
1 JAN 0335	43	0.02	0.01	0.01	562.	*	1 JAN 0735	91	0.00	0.00	0.00	149.
1 JAN 0340	44	0.01	0.01	0.01	562.	*	1 JAN 0740	92	0.00	0.00	0.00	136.
1 JAN 0345	45	0.01	0.01	0.01	557.	*	1 JAN 0745	93	0.00	0.00	0.00	124.
1 JAN 0350	46	0.01	0.01	0.01	548.	*	1 JAN 0750	94	0.00	0.00	0.00	113.
1 JAN 0355	47	0.01	0.01	0.01	534.	*	1 JAN 0755	95	0.00	0.00	0.00	103.
1 JAN 0400	48	0.01	0.01	0.01	518.	*	1 JAN 0800	96	0.00	0.00	0.00	93.

TOTAL RAINFALL = 3.56, TOTAL LOSS = 2.70, TOTAL EXCESS = 0.86

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	(CFS)	6-HR	24-HR	72-HR	7.92-HR
562.	3.50	379.	379.	287.	287.	287.
		(INCHES)	0.839	0.840	0.840	0.840
		(AC-FT)	188.	188.	188.	188.

CUMULATIVE AREA = 4.20 SQ MI

----DSS--ZWRITE Unit 71; Vers. 2: /INCLINE CR/SKI WY PT19/FLOW/01JAN1999/5MIN//

371 KK IIR Route Incline to SR 28 at 3 fps

HYDROGRAPH ROUTING DATA

372 RM MUSKINGUM ROUTING
 NSTPS 4 NUMBER OF SUBREACHES
 AMSKK 0.38 MUSKINGUM K
 X 0.40 MUSKINGUM X

HYDROGRAPH AT STATION IIR

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1 JAN 0005	1	0.	*	0.	1 JAN 0205	25	0.	*	0.	1 JAN 0405	49	558.	*	558.	1 JAN 0605	73	496.		
1 JAN 0010	2	0.	*	0.	1 JAN 0210	26	0.	*	0.	1 JAN 0410	50	551.	*	551.	1 JAN 0610	74	493.		
1 JAN 0015	3	0.	*	0.	1 JAN 0215	27	1.	*	1.	1 JAN 0415	51	540.	*	540.	1 JAN 0615	75	490.		
1 JAN 0020	4	0.	*	0.	1 JAN 0220	28	3.	*	3.	1 JAN 0420	52	526.	*	526.	1 JAN 0620	76	486.		
1 JAN 0025	5	0.	*	0.	1 JAN 0225	29	12.	*	12.	1 JAN 0425	53	509.	*	509.	1 JAN 0625	77	481.		
1 JAN 0030	6	0.	*	0.	1 JAN 0230	30	30.	*	30.	1 JAN 0430	54	492.	*	492.	1 JAN 0630	78	476.		
1 JAN 0035	7	0.	*	0.	1 JAN 0235	31	56.	*	56.	1 JAN 0435	55	476.	*	476.	1 JAN 0635	79	467.		
1 JAN 0040	8	0.	*	0.	1 JAN 0240	32	91.	*	91.	1 JAN 0440	56	462.	*	462.	1 JAN 0640	80	456.		
1 JAN 0045	9	0.	*	0.	1 JAN 0245	33	133.	*	133.	1 JAN 0445	57	452.	*	452.	1 JAN 0645	81	441.		
1 JAN 0050	10	0.	*	0.	1 JAN 0250	34	180.	*	180.	1 JAN 0450	58	446.	*	446.	1 JAN 0650	82	424.		
1 JAN 0055	11	0.	*	0.	1 JAN 0255	35	231.	*	231.	1 JAN 0455	59	443.	*	443.	1 JAN 0655	83	404.		
1 JAN 0100	12	0.	*	0.	1 JAN 0300	36	282.	*	282.	1 JAN 0500	60	443.	*	443.	1 JAN 0700	84	382.		
1 JAN 0105	13	0.	*	0.	1 JAN 0305	37	330.	*	330.	1 JAN 0505	61	446.	*	446.	1 JAN 0705	85	359.		
1 JAN 0110	14	0.	*	0.	1 JAN 0310	38	374.	*	374.	1 JAN 0510	62	451.	*	451.	1 JAN 0710	86	334.		
1 JAN 0115	15	0.	*	0.	1 JAN 0315	39	413.	*	413.	1 JAN 0515	63	458.	*	458.	1 JAN 0715	87	310.		
1 JAN 0120	16	0.	*	0.	1 JAN 0320	40	445.	*	445.	1 JAN 0520	64	465.	*	465.	1 JAN 0720	88	287.		
1 JAN 0125	17	0.	*	0.	1 JAN 0325	41	472.	*	472.	1 JAN 0525	65	473.	*	473.	1 JAN 0725	89	265.		
1 JAN 0130	18	0.	*	0.	1 JAN 0330	42	495.	*	495.	1 JAN 0530	66	481.	*	481.	1 JAN 0730	90	244.		
1 JAN 0135	19	0.	*	0.	1 JAN 0335	43	514.	*	514.	1 JAN 0535	67	487.	*	487.	1 JAN 0735	91	224.		
1 JAN 0140	20	0.	*	0.	1 JAN 0340	44	529.	*	529.	1 JAN 0540	68	493.	*	493.	1 JAN 0740	92	206.		
1 JAN 0145	21	0.	*	0.	1 JAN 0345	45	542.	*	542.	1 JAN 0545	69	496.	*	496.	1 JAN 0745	93	189.		
1 JAN 0150	22	0.	*	0.	1 JAN 0350	46	552.	*	552.	1 JAN 0550	70	498.	*	498.	1 JAN 0750	94	173.		
1 JAN 0155	23	0.	*	0.	1 JAN 0355	47	558.	*	558.	1 JAN 0555	71	499.	*	499.	1 JAN 0755	95	158.		
1 JAN 0200	24	0.	*	0.	1 JAN 0400	48	560.	*	560.	1 JAN 0600	72	498.	*	498.	1 JAN 0800	96	144.		

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	(CFS)	6-HR	24-HR	72-HR	7.92-HR
560.	3.92	372.	372.	282.	282.	282.
		(INCHES)	0.823	0.823	0.823	0.823
		(AC-FT)	184.	184.	184.	184.

CUMULATIVE AREA = 4.20 SQ MI

 * * *
 373 KK I2 * Incline Cr at SR 28
 * * *

377 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 15 TIME INTERVAL IN MINUTES
 JXDATE 1JAN99 STARTING DATE
 JXTIME 5 STARTING TIME

SUBBASIN RUNOFF DATA
 374 BA SUBBASIN CHARACTERISTICS
 TAREA 0.25 SUBBASIN AREA

375 BF BASE FLOW CHARACTERISTICS
 STRTQ 0.00 INITIAL FLOW
 QRCSN -0.05 BEGIN BASE FLOW RECESSON
 RTIOR 1.50000 RECESSON CONSTANT

PRECIPITATION DATA
 376 PB STORM 1.50 BASIN TOTAL PRECIPITATION

378 PI INCREMENTAL PRECIPITATION PATTERN

0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1.00
1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	0.67	0.67	3.67
3.67	7.00	7.00	7.00	4.00	4.00	4.00	2.33	2.33	2.33	2.33
1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	0.67
0.67	0.67	0.33	0.33	0.33	0.33	0.33	0.33	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67

392 LS SCS LOSS RATE
 STRTL 0.51 INITIAL ABSTRACTION
 CRVNR 79.59 CURVE NUMBER
 RTIMP 0.00 PERCENT IMPERVIOUS AREA

383 UI INPUT UNITGRAPH, 12 ORDINATES, VOLUME = 1.00
 160.0 391.0 406.0 316.0 229.0 151.0 103.0 72.0 50.0 33.0
 19.0 8.0

 HYDROGRAPH AT STATION I2

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	0005	1	0.00	0.00	0.00	0.	1	JAN	0405	49	0.01	0.00	0.00	4.
1	JAN	0010	2	0.01	0.01	0.00	0.	1	JAN	0410	50	0.01	0.01	0.01	5.
1	JAN	0015	3	0.01	0.01	0.00	0.	1	JAN	0415	51	0.01	0.01	0.01	6.
1	JAN	0020	4	0.01	0.01	0.00	0.	1	JAN	0420	52	0.01	0.01	0.01	7.
1	JAN	0025	5	0.01	0.01	0.00	0.	1	JAN	0425	53	0.01	0.01	0.01	8.
1	JAN	0030	6	0.01	0.01	0.00	0.	1	JAN	0430	54	0.01	0.01	0.01	9.
1	JAN	0035	7	0.01	0.01	0.00	0.	1	JAN	0435	55	0.01	0.01	0.01	10.
1	JAN	0040	8	0.01	0.01	0.00	0.	1	JAN	0440	56	0.01	0.01	0.01	11.
1	JAN	0045	9	0.01	0.01	0.00	0.	1	JAN	0445	57	0.01	0.01	0.01	12.
1	JAN	0050	10	0.01	0.01	0.00	0.	1	JAN	0450	58	0.01	0.01	0.01	1.
1	JAN	0055	11	0.01	0.01	0.00	0.	1	JAN	0455	59	0.01	0.01	0.01	2.
1	JAN	0100	12	0.01	0.01	0.00	0.	1	JAN	0500	60	0.01	0.01	0.01	3.
1	JAN	0105	13	0.01	0.01	0.00	0.	1	JAN	0505	61	0.01	0.01	0.01	4.
1	JAN	0110	14	0.00	0.00	0.00	0.	1	JAN	0510	62	0.01	0.01	0.00	5.
1	JAN	0115	15	0.01	0.01	0.00	0.	1	JAN	0515	63	0.01	0.01	0.00	6.
1	JAN	0120	16	0.00	0.00	0.00	0.	1	JAN	0520	64	0.01	0.01	0.00	7.
1	JAN	0125	17	0.01	0.01	0.00	0.	1	JAN	0525	65	0.01	0.01	0.00	8.
1	JAN	0130	18	0.01	0.01	0.00	0.	1	JAN	0530	66	0.01	0.01	0.00	9.
1	JAN	0135	19	0.01	0.01	0.00	0.	1	JAN	0535	67	0.01	0.01	0.00	10.
1	JAN	0140	20	0.05	0.05	0.00	0.	1	JAN	0540	68	0.01	0.01	0.00	11.
1	JAN	0145	21	0.06	0.06	0.00	0.	1	JAN	0545	69	0.01	0.01	0.00	12.
1	JAN	0150	22	0.05	0.05	0.00	0.	1	JAN	0550	70	0.01	0.01	0.00	1.
1	JAN	0155	23	0.10	0.10	0.00	0.	1	JAN	0555	71	0.01	0.01	0.00	2.
1	JAN	0200	24	0.10	0.10	0.00	0.	1	JAN	0600	72	0.01	0.01	0.00	3.
1	JAN	0205	25	0.10	0.10	0.01	2.	1	JAN	0605	73	0.01	0.01	0.00	4.
1	JAN	0210	26	0.06	0.05	0.01	5.	1	JAN	0610	74	0.00	0.00	0.00	5.
1	JAN	0215	27	0.06	0.05	0.01	9.	1	JAN	0615	75	0.00	0.00	0.00	6.
1	JAN	0220	28	0.06	0.05	0.01	12.	1	JAN	0620	76	0.00	0.00	0.00	7.
1	JAN	0225	29	0.03	0.03	0.01	15.	1	JAN	0625	77	0.00	0.00	0.00	8.
1	JAN	0230	30	0.04	0.03	0.01	16.	1	JAN	0630	78	0.00	0.00	0.00	9.
1	JAN	0235	31	0.03	0.03	0.01	17.	1	JAN	0635	79	0.00	0.00	0.00	10.
1	JAN	0240	32	0.02	0.01	0.01	16.	1	JAN	0640	80	0.00	0.00	0.00	11.
1	JAN	0245	33	0.02	0.01	0.01	15.	1	JAN	0645	81	0.00	0.00	0.00	12.
1	JAN	0250	34	0.02	0.01	0.01	14.	1	JAN	0650	82	0.00	0.00	0.00	1.
1	JAN	0255	35	0.02	0.01	0.01	14.	1	JAN	0655	83	0.00	0.00	0.00	2.
1	JAN	0300	36	0.02	0.01	0.01	13.	1	JAN	0700	84	0.00	0.00	0.00	3.
1	JAN	0305	37	0.02	0.01	0.01	13.	1	JAN	0705	85	0.00	0.00	0.00	4.
1	JAN	0310	38	0.02	0.01	0.01	13.	1	JAN	0710	86	0.00	0.00	0.00	5.
1	JAN	0315	39	0.02	0.01	0.01	13.	1	JAN	0715	87	0.00	0.00	0.00	6.
1	JAN	0320	40	0.02	0.01	0.01	13.	1	JAN	0720	88	0.00	0.00	0.00	7.
1	JAN	0325	41	0.01	0.01	0.00	12.	1	JAN	0725	89	0.00	0.00	0.00	8.

1 JAN 0330	42	0.01	0.01	0.00	11.	*	1 JAN 0730	90	0.00	0.00	0.00	1.
1 JAN 0335	43	0.01	0.01	0.00	10.	*	1 JAN 0735	91	0.00	0.00	0.00	1.
1 JAN 0340	44	0.01	0.00	0.00	9.	*	1 JAN 0740	92	0.00	0.00	0.00	1.
1 JAN 0345	45	0.00	0.00	0.00	7.	*	1 JAN 0745	93	0.00	0.00	0.00	1.
1 JAN 0350	46	0.01	0.00	0.00	6.	*	1 JAN 0750	94	0.00	0.00	0.00	1.
1 JAN 0355	47	0.01	0.00	0.00	5.	*	1 JAN 0755	95	0.00	0.00	0.00	1.
1 JAN 0400	48	0.00	0.00	0.00	5.	*	1 JAN 0800	96	0.00	0.00	0.00	0.

TOTAL RAINFALL = 1.50, TOTAL LOSS = 1.23, TOTAL EXCESS = 0.27

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	(CFS)	6-HR	24-HR	72-HR	7.92-HR
17.	2.50	8.	8.	6.	6.	6.
		(INCHES)	0.279	0.279	0.279	0.279
		(AC-FT)	4.	4.	4.	4.

CUMULATIVE AREA = 0.25 SQ MI

----DSS---ZWRITE Unit 71; Vers. 2: /INCLINE CR/SR28 LOCAL/FLOW/01JAN1999/5MIN//

386 KK I2C Combine Incline at SR 28, Pt 13

387 HC HYDROGRAPH COMBINATION
ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION I2C
SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW		DA	MON	HRMN	ORD	FLOW		DA	MON	HRMN	ORD	FLOW		DA	MON	HRMN	ORD	FLOW	
1	JAN	0005	1	0.	*	1	JAN	0205	25	2.	*	1	JAN	0405	49	562.	*	1	JAN	0605	73	505.	*
1	JAN	0010	2	0.	*	1	JAN	0210	26	5.	*	1	JAN	0410	50	556.	*	1	JAN	0610	74	502.	*
1	JAN	0015	3	0.	*	1	JAN	0215	27	9.	*	1	JAN	0415	51	546.	*	1	JAN	0615	75	496.	*
1	JAN	0020	4	0.	*	1	JAN	0220	28	16.	*	1	JAN	0420	52	533.	*	1	JAN	0620	76	490.	*
1	JAN	0025	5	0.	*	1	JAN	0225	29	27.	*	1	JAN	0425	53	518.	*	1	JAN	0625	77	484.	*
1	JAN	0030	6	0.	*	1	JAN	0230	30	46.	*	1	JAN	0430	54	501.	*	1	JAN	0630	78	478.	*
1	JAN	0035	7	0.	*	1	JAN	0235	31	73.	*	1	JAN	0435	55	486.	*	1	JAN	0635	79	469.	*
1	JAN	0040	8	0.	*	1	JAN	0240	32	107.	*	1	JAN	0440	56	473.	*	1	JAN	0640	80	457.	*
1	JAN	0045	9	0.	*	1	JAN	0245	33	149.	*	1	JAN	0445	57	464.	*	1	JAN	0645	81	442.	*
1	JAN	0050	10	0.	*	1	JAN	0250	34	194.	*	1	JAN	0450	58	458.	*	1	JAN	0650	82	424.	*
1	JAN	0055	11	0.	*	1	JAN	0255	35	244.	*	1	JAN	0455	59	455.	*	1	JAN	0655	83	405.	*
1	JAN	0100	12	0.	*	1	JAN	0300	36	295.	*	1	JAN	0500	60	455.	*	1	JAN	0700	84	383.	*
1	JAN	0105	13	0.	*	1	JAN	0305	37	343.	*	1	JAN	0505	61	459.	*	1	JAN	0705	85	359.	*
1	JAN	0110	14	0.	*	1	JAN	0310	38	387.	*	1	JAN	0510	62	464.	*	1	JAN	0710	86	335.	*
1	JAN	0115	15	0.	*	1	JAN	0315	39	425.	*	1	JAN	0515	63	469.	*	1	JAN	0715	87	311.	*
1	JAN	0120	16	0.	*	1	JAN	0320	40	458.	*	1	JAN	0520	64	476.	*	1	JAN	0720	88	288.	*
1	JAN	0125	17	0.	*	1	JAN	0325	41	485.	*	1	JAN	0525	65	483.	*	1	JAN	0725	89	266.	*
1	JAN	0130	18	0.	*	1	JAN	0330	42	506.	*	1	JAN	0530	66	491.	*	1	JAN	0730	90	245.	*
1	JAN	0135	19	0.	*	1	JAN	0335	43	524.	*	1	JAN	0535	67	497.	*	1	JAN	0735	91	225.	*
1	JAN	0140	20	0.	*	1	JAN	0340	44	538.	*	1	JAN	0540	68	502.	*	1	JAN	0740	92	207.	*
1	JAN	0145	21	0.	*	1	JAN	0345	45	550.	*	1	JAN	0545	69	505.	*	1	JAN	0745	93	189.	*
1	JAN	0150	22	0.	*	1	JAN	0350	46	558.	*	1	JAN	0550	70	507.	*	1	JAN	0750	94	173.	*
1	JAN	0155	23	0.	*	1	JAN	0355	47	563.	*	1	JAN	0555	71	508.	*	1	JAN	0755	95	158.	*
1	JAN	0200	24	0.	*	1	JAN	0400	48	565.	*	1	JAN	0600	72	507.	*	1	JAN	0800	96	144.	*

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	(CFS)	6-HR	24-HR	72-HR	7.92-HR
565.	3.92	379.	379.	287.	287.	287.
		(INCHES)	0.792	0.792	0.792	0.792
		(AC-FT)	188.	188.	188.	188.

CUMULATIVE AREA = 4.45 SQ MI

----DSS---ZWRITE Unit 71; Vers. 2: /INCLINE CR/SR28 PT13/FLOW/01JAN1999/5MIN//

389 KK * I2R * Route Incline to mouth at 3 fps
 * * *

HYDROGRAPH ROUTING DATA

390 RM MUSKINGUM ROUTING
 NSTPS 4 NUMBER OF SUBREACHES
 AMSKK 0.33 MUSKINGUM K
 X 0.40 MUSKINGUM X

HYDROGRAPH AT STATION I2R

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	0.	1	JAN	0205	25	0.	1	JAN	0405	49	549.	1	JAN	0605	73	505.
1	JAN	0010	2	0.	1	JAN	0210	26	0.	1	JAN	0410	50	557.	1	JAN	0610	74	507.
1	JAN	0015	3	0.	1	JAN	0215	27	0.	1	JAN	0415	51	562.	1	JAN	0615	75	507.
1	JAN	0020	4	0.	1	JAN	0220	28	1.	1	JAN	0420	52	563.	1	JAN	0620	76	507.
1	JAN	0025	5	0.	1	JAN	0225	29	3.	1	JAN	0425	53	560.	1	JAN	0625	77	505.
1	JAN	0030	6	0.	1	JAN	0230	30	6.	1	JAN	0430	54	554.	1	JAN	0630	78	501.
1	JAN	0035	7	0.	1	JAN	0235	31	10.	1	JAN	0435	55	544.	1	JAN	0635	79	496.
1	JAN	0040	8	0.	1	JAN	0240	32	18.	1	JAN	0440	56	532.	1	JAN	0640	80	490.
1	JAN	0045	9	0.	1	JAN	0245	33	31.	1	JAN	0445	57	517.	1	JAN	0645	81	484.
1	JAN	0050	10	0.	1	JAN	0250	34	50.	1	JAN	0450	58	501.	1	JAN	0650	82	477.
1	JAN	0055	11	0.	1	JAN	0255	35	77.	1	JAN	0455	59	486.	1	JAN	0655	83	467.
1	JAN	0100	12	0.	1	JAN	0300	36	112.	1	JAN	0500	60	474.	1	JAN	0700	84	455.
1	JAN	0105	13	0.	1	JAN	0305	37	152.	1	JAN	0505	61	465.	1	JAN	0705	85	440.
1	JAN	0110	14	0.	1	JAN	0310	38	198.	1	JAN	0510	62	459.	1	JAN	0710	86	423.
1	JAN	0115	15	0.	1	JAN	0315	39	247.	1	JAN	0515	63	456.	1	JAN	0715	87	403.
1	JAN	0120	16	0.	1	JAN	0320	40	296.	1	JAN	0520	64	457.	1	JAN	0720	88	381.
1	JAN	0125	17	0.	1	JAN	0325	41	343.	1	JAN	0525	65	459.	1	JAN	0725	89	358.
1	JAN	0130	18	0.	1	JAN	0330	42	387.	1	JAN	0530	66	464.	1	JAN	0730	90	334.
1	JAN	0135	19	0.	1	JAN	0335	43	425.	1	JAN	0535	67	470.	1	JAN	0735	91	310.
1	JAN	0140	20	0.	1	JAN	0340	44	457.	1	JAN	0540	68	477.	1	JAN	0740	92	287.
1	JAN	0145	21	0.	1	JAN	0345	45	484.	1	JAN	0545	69	484.	1	JAN	0745	93	265.
1	JAN	0150	22	0.	1	JAN	0350	46	505.	1	JAN	0550	70	490.	1	JAN	0750	94	244.
1	JAN	0155	23	0.	1	JAN	0355	47	523.	1	JAN	0555	71	497.	1	JAN	0755	95	225.
1	JAN	0200	24	0.	1	JAN	0400	48	538.	1	JAN	0600	72	501.	1	JAN	0800	96	206.

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	7.92-HR
563.	4.25	370.	280.	280.	280.
		(INCHES)	0.772	0.772	0.772
		(AC-FT)	183.	183.	183.
CUMULATIVE AREA =		4.45 SQ MI			

391 KK * I3 * Incline Cr at mouth
 * * *

395 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 15 TIME INTERVAL IN MINUTES
 JXDATE 1JAN99 STARTING DATE
 JXTIME 5 STARTING TIME

SUBBASIN RUNOFF DATA

392 BA SUBBASIN CHARACTERISTICS
 TAREA 0.26 SUBBASIN AREA

393 BF BASE FLOW CHARACTERISTICS
 STRTQ 0.00 INITIAL FLOW
 QRCSN -0.05 BEGIN BASE FLOW RECESSION
 RTIOR 1.50000 RECESSION CONSTANT

PRECIPITATION DATA

394 PB STORM 1.38 BASIN TOTAL PRECIPITATION

396 PI INCREMENTAL PRECIPITATION PATTERN

0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
0.67	0.67	1.00	1.00	1.00	2.67	2.67	2.67	3.67	3.67	3.67
3.67	6.67	6.67	6.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
1.67	1.67	1.00	1.00	1.00	0.67	0.67	0.67	0.67	0.67	0.67

0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67
 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67
 0.33 0.33

400 LS SCS LOSS RATE
 STRTL 0.40 INITIAL ABSTRACTION
 CRVNR 83.34 CURVE NUMBER
 RTIMP 0.00 PERCENT IMPERVIOUS AREA

401 UI INPUT UNITGRAPH, 9 ORDINATES, VOLUME = 1.00
 270.0 563.0 459.0 304.0 179.0 111.0 69.0 40.0 17.0

HYDROGRAPH AT STATION I3

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q		DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	0005	1	0.00	0.00	0.00	0.	*	1	JAN	0405	49	0.01	0.00	0.00	11.
1	JAN	0010	2	0.01	0.01	0.00	0.	*	1	JAN	0410	50	0.01	0.00	0.00	10.
1	JAN	0015	3	0.01	0.01	0.00	0.	*	1	JAN	0415	51	0.01	0.00	0.00	9.
1	JAN	0020	4	0.01	0.01	0.00	0.	*	1	JAN	0420	52	0.01	0.00	0.00	9.
1	JAN	0025	5	0.01	0.01	0.00	0.	*	1	JAN	0425	53	0.01	0.00	0.00	9.
1	JAN	0030	6	0.01	0.01	0.00	0.	*	1	JAN	0430	54	0.01	0.00	0.00	9.
1	JAN	0035	7	0.01	0.01	0.00	0.	*	1	JAN	0435	55	0.01	0.00	0.00	9.
1	JAN	0040	8	0.01	0.01	0.00	0.	*	1	JAN	0440	56	0.01	0.00	0.00	9.
1	JAN	0045	9	0.01	0.01	0.00	0.	*	1	JAN	0445	57	0.01	0.00	0.00	9.
1	JAN	0050	10	0.01	0.01	0.00	0.	*	1	JAN	0450	58	0.01	0.00	0.00	9.
1	JAN	0055	11	0.01	0.01	0.00	0.	*	1	JAN	0455	59	0.01	0.00	0.00	9.
1	JAN	0100	12	0.01	0.01	0.00	0.	*	1	JAN	0500	60	0.01	0.00	0.00	9.
1	JAN	0105	13	0.01	0.01	0.00	0.	*	1	JAN	0505	61	0.01	0.00	0.00	9.
1	JAN	0110	14	0.01	0.01	0.00	0.	*	1	JAN	0510	62	0.01	0.00	0.00	10.
1	JAN	0115	15	0.01	0.01	0.00	0.	*	1	JAN	0515	63	0.01	0.00	0.00	10.
1	JAN	0120	16	0.01	0.01	0.00	0.	*	1	JAN	0520	64	0.01	0.00	0.00	10.
1	JAN	0125	17	0.04	0.04	0.00	0.	*	1	JAN	0525	65	0.01	0.00	0.00	10.
1	JAN	0130	18	0.04	0.04	0.00	0.	*	1	JAN	0530	66	0.01	0.00	0.00	10.
1	JAN	0135	19	0.04	0.04	0.00	0.	*	1	JAN	0535	67	0.01	0.00	0.00	10.
1	JAN	0140	20	0.05	0.05	0.00	0.	*	1	JAN	0540	68	0.01	0.00	0.00	10.
1	JAN	0145	21	0.05	0.05	0.00	0.	*	1	JAN	0545	69	0.01	0.00	0.00	10.
1	JAN	0150	22	0.05	0.05	0.00	0.	*	1	JAN	0550	70	0.01	0.00	0.01	10.
1	JAN	0155	23	0.09	0.09	0.01	1.	*	1	JAN	0555	71	0.00	0.00	0.00	9.
1	JAN	0200	24	0.09	0.08	0.01	6.	*	1	JAN	0600	72	0.00	0.00	0.00	8.
1	JAN	0205	25	0.09	0.07	0.02	15.	*	1	JAN	0605	73	0.00	0.00	0.00	7.
1	JAN	0210	26	0.02	0.02	0.01	20.	*	1	JAN	0610	74	0.00	0.00	0.00	5.
1	JAN	0215	27	0.02	0.02	0.01	18.	*	1	JAN	0615	75	0.00	0.00	0.00	4.
1	JAN	0220	28	0.02	0.02	0.01	16.	*	1	JAN	0620	76	0.00	0.00	0.00	2.
1	JAN	0225	29	0.02	0.02	0.01	15.	*	1	JAN	0625	77	0.00	0.00	0.00	1.
1	JAN	0230	30	0.02	0.02	0.01	15.	*	1	JAN	0630	78	0.00	0.00	0.00	1.
1	JAN	0235	31	0.02	0.02	0.01	14.	*	1	JAN	0635	79	0.00	0.00	0.00	1.
1	JAN	0240	32	0.02	0.02	0.01	14.	*	1	JAN	0640	80	0.00	0.00	0.00	1.
1	JAN	0245	33	0.02	0.02	0.01	15.	*	1	JAN	0645	81	0.00	0.00	0.00	1.
1	JAN	0250	34	0.02	0.01	0.01	15.	*	1	JAN	0650	82	0.00	0.00	0.00	1.
1	JAN	0255	35	0.02	0.01	0.01	16.	*	1	JAN	0655	83	0.00	0.00	0.00	1.
1	JAN	0300	36	0.02	0.01	0.01	16.	*	1	JAN	0700	84	0.00	0.00	0.00	1.
1	JAN	0305	37	0.02	0.01	0.01	17.	*	1	JAN	0705	85	0.00	0.00	0.00	1.
1	JAN	0310	38	0.02	0.01	0.01	17.	*	1	JAN	0710	86	0.00	0.00	0.00	1.
1	JAN	0315	39	0.02	0.01	0.01	18.	*	1	JAN	0715	87	0.00	0.00	0.00	1.
1	JAN	0320	40	0.02	0.01	0.01	18.	*	1	JAN	0720	88	0.00	0.00	0.00	1.
1	JAN	0325	41	0.02	0.01	0.01	19.	*	1	JAN	0725	89	0.00	0.00	0.00	1.
1	JAN	0330	42	0.02	0.01	0.01	19.	*	1	JAN	0730	90	0.00	0.00	0.00	1.
1	JAN	0335	43	0.02	0.01	0.01	20.	*	1	JAN	0735	91	0.00	0.00	0.00	1.
1	JAN	0340	44	0.01	0.01	0.01	19.	*	1	JAN	0740	92	0.00	0.00	0.00	1.
1	JAN	0345	45	0.01	0.01	0.01	17.	*	1	JAN	0745	93	0.00	0.00	0.00	1.
1	JAN	0350	46	0.01	0.01	0.01	15.	*	1	JAN	0750	94	0.00	0.00	0.00	1.
1	JAN	0355	47	0.01	0.00	0.00	14.	*	1	JAN	0755	95	0.00	0.00	0.00	1.
1	JAN	0400	48	0.01	0.00	0.00	12.	*	1	JAN	0800	96	0.00	0.00	0.00	1.

TOTAL RAINFALL = 1.38, TOTAL LOSS = 1.06, TOTAL EXCESS = 0.32

PEAK FLOW TIME
 (CFS) (HR)
 + 20. 3.50
 (CFS)
 (INCHES) 0.328 7. 7. 7.
 (AC-FT) 5. 0.328 0.328 0.328 0.328
 5. 5. 5. 5.

CUMULATIVE AREA = 0.26 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 2: /INCLINE CR/MOUTH LOCAL/FLOW/01JAN1999/5MIN//

403 KK * I3C * Combine Incline at mouth, Pt 14

* *
 404 HC HYDROGRAPH COMBINATION
 ICOMP 3 NUMBER OF HYDROGRAPHS TO COMBINE

.....
 HYDROGRAPH AT STATION I3C
 SUM OF 3 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	JAN	0005	1	0.	*	1	JAN	0205	25	15.	*	1	JAN	0405	49	691.	*	1	JAN	0605	73	633.	*
1	JAN	0010	2	0.	*	1	JAN	0210	26	20.	*	1	JAN	0410	50	696.	*	1	JAN	0610	74	635.	*
1	JAN	0015	3	0.	*	1	JAN	0215	27	18.	*	1	JAN	0415	51	698.	*	1	JAN	0615	75	635.	*
1	JAN	0020	4	0.	*	1	JAN	0220	28	17.	*	1	JAN	0420	52	696.	*	1	JAN	0620	76	633.	*
1	JAN	0025	5	0.	*	1	JAN	0225	29	18.	*	1	JAN	0425	53	691.	*	1	JAN	0625	77	629.	*
1	JAN	0030	6	0.	*	1	JAN	0230	30	22.	*	1	JAN	0430	54	683.	*	1	JAN	0630	78	623.	*
1	JAN	0035	7	0.	*	1	JAN	0235	31	30.	*	1	JAN	0435	55	672.	*	1	JAN	0635	79	614.	*
1	JAN	0040	8	0.	*	1	JAN	0240	32	43.	*	1	JAN	0440	56	657.	*	1	JAN	0640	80	603.	*
1	JAN	0045	9	0.	*	1	JAN	0245	33	61.	*	1	JAN	0445	57	640.	*	1	JAN	0645	81	591.	*
1	JAN	0050	10	0.	*	1	JAN	0250	34	87.	*	1	JAN	0450	58	621.	*	1	JAN	0650	82	578.	*
1	JAN	0055	11	0.	*	1	JAN	0255	35	120.	*	1	JAN	0455	59	603.	*	1	JAN	0655	83	564.	*
1	JAN	0100	12	0.	*	1	JAN	0300	36	160.	*	1	JAN	0500	60	586.	*	1	JAN	0700	84	548.	*
1	JAN	0105	13	0.	*	1	JAN	0305	37	206.	*	1	JAN	0505	61	573.	*	1	JAN	0705	85	529.	*
1	JAN	0110	14	0.	*	1	JAN	0310	38	258.	*	1	JAN	0510	62	565.	*	1	JAN	0710	86	507.	*
1	JAN	0115	15	0.	*	1	JAN	0315	39	315.	*	1	JAN	0515	63	561.	*	1	JAN	0715	87	482.	*
1	JAN	0120	16	0.	*	1	JAN	0320	40	375.	*	1	JAN	0520	64	561.	*	1	JAN	0720	88	455.	*
1	JAN	0125	17	0.	*	1	JAN	0325	41	435.	*	1	JAN	0525	65	566.	*	1	JAN	0725	89	424.	*
1	JAN	0130	18	0.	*	1	JAN	0330	42	493.	*	1	JAN	0530	66	574.	*	1	JAN	0730	90	393.	*
1	JAN	0135	19	0.	*	1	JAN	0335	43	545.	*	1	JAN	0535	67	584.	*	1	JAN	0735	91	361.	*
1	JAN	0140	20	0.	*	1	JAN	0340	44	589.	*	1	JAN	0540	68	594.	*	1	JAN	0740	92	330.	*
1	JAN	0145	21	0.	*	1	JAN	0345	45	623.	*	1	JAN	0545	69	604.	*	1	JAN	0745	93	301.	*
1	JAN	0150	22	0.	*	1	JAN	0350	46	649.	*	1	JAN	0550	70	614.	*	1	JAN	0750	94	274.	*
1	JAN	0155	23	1.	*	1	JAN	0355	47	669.	*	1	JAN	0555	71	622.	*	1	JAN	0755	95	249.	*
1	JAN	0200	24	6.	*	1	JAN	0400	48	682.	*	1	JAN	0600	72	628.	*	1	JAN	0800	96	227.	*

PEAK FLOW	TIME		6-HR	MAXIMUM AVERAGE FLOW	72-HR	7.92-HR
(CFS)	(HR)	(CFS)		24-HR		
698.	4.17	460.	0.642	349.	349.	349.
		(INCHES)	228.	0.642	0.642	0.642
		(AC-FT)	228.	228.	228.	228.

CUMULATIVE AREA = 6.67 SQ MI

-----DSS---WRITE Unit 71; Vers. 2: /INCLINE CR/MOUTH PT14/FLOW/01JAN1999/5MIN//

 * *
 406 KK * M1 * Mill Cr above Res #2
 * *

There is no Res #1 upstream of #2

411 IN TIME DATA FOR INPUT TIME SERIES
 JXMIN 15 TIME INTERVAL IN MINUTES
 JXDATE 1JAN99 STARTING DATE
 JXTIME 5 STARTING TIME

SUBBASIN RUNOFF DATA

408 BA SUBBASIN CHARACTERISTICS
 TAREA 1.26 SUBBASIN AREA

409 BF BASE FLOW CHARACTERISTICS
 STRTQ 5.00 INITIAL FLOW
 QRCSN -0.05 BEGIN BASE FLOW RECESSION
 RTIOR 1.03000 RECESSION CONSTANT

PRECIPITATION DATA

410 PB STORM 3.04 BASIN TOTAL PRECIPITATION

412 PI INCREMENTAL PRECIPITATION PATTERN

0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1.00
1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	1.00	3.67	3.67
3.67	7.00	7.00	7.00	4.00	4.00	4.00	2.33	2.33	2.33	3.67
1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	0.67
0.67	0.67	0.33	0.33	0.33	0.33	0.33	0.33	0.33	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67

0.67 0.67
 416 LS SCS LOSS RATE
 STRTL 1.02 INITIAL ABSTRACTION
 CRVNB 66.32 CURVE NUMBER
 RTIMP 0.00 PERCENT IMPERVIOUS AREA

417 UI INPUT UNITGRAPH, 21 ORDINATES, VOLUME = 1.00
 265.0 741.0 1070.0 1230.0 1158.0 1000.0 856.0 716.0 581.0 452.0
 362.0 295.0 240.0 196.0 161.0 128.0 104.0 80.0 60.0 40.0
 19.0

HYDROGRAPH AT STATION MI

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	0005	1	0.00	0.00	0.00	5.	1	JAN	0405	49	0.01	0.01	0.00	72.
1	JAN	0010	2	0.02	0.02	0.00	5.	1	JAN	0410	50	0.03	0.02	0.01	68.
1	JAN	0015	3	0.02	0.02	0.00	5.	1	JAN	0415	51	0.03	0.02	0.01	69.
1	JAN	0020	4	0.02	0.02	0.00	5.	1	JAN	0420	52	0.03	0.02	0.01	73.
1	JAN	0025	5	0.02	0.02	0.00	5.	1	JAN	0425	53	0.03	0.02	0.01	81.
1	JAN	0030	6	0.02	0.02	0.00	5.	1	JAN	0430	54	0.03	0.02	0.01	88.
1	JAN	0035	7	0.02	0.02	0.00	5.	1	JAN	0435	55	0.03	0.02	0.01	95.
1	JAN	0040	8	0.02	0.02	0.00	5.	1	JAN	0440	56	0.03	0.02	0.01	101.
1	JAN	0045	9	0.02	0.02	0.00	5.	1	JAN	0445	57	0.03	0.02	0.01	106.
1	JAN	0050	10	0.02	0.02	0.00	5.	1	JAN	0450	58	0.03	0.02	0.01	111.
1	JAN	0055	11	0.03	0.03	0.00	5.	1	JAN	0455	59	0.03	0.02	0.01	115.
1	JAN	0100	12	0.03	0.03	0.00	5.	1	JAN	0500	60	0.03	0.02	0.01	118.
1	JAN	0105	13	0.03	0.03	0.00	5.	1	JAN	0505	61	0.03	0.02	0.01	121.
1	JAN	0110	14	0.01	0.01	0.00	5.	1	JAN	0510	62	0.02	0.01	0.01	123.
1	JAN	0115	15	0.01	0.01	0.00	5.	1	JAN	0515	63	0.02	0.01	0.01	123.
1	JAN	0120	16	0.01	0.01	0.00	5.	1	JAN	0520	64	0.02	0.01	0.01	120.
1	JAN	0125	17	0.03	0.03	0.00	5.	1	JAN	0525	65	0.02	0.01	0.01	117.
1	JAN	0130	18	0.03	0.03	0.00	5.	1	JAN	0530	66	0.02	0.01	0.01	113.
1	JAN	0135	19	0.03	0.03	0.00	5.	1	JAN	0535	67	0.02	0.01	0.01	111.
1	JAN	0140	20	0.11	0.11	0.00	5.	1	JAN	0540	68	0.02	0.01	0.01	108.
1	JAN	0145	21	0.11	0.11	0.00	5.	1	JAN	0545	69	0.02	0.01	0.01	106.
1	JAN	0150	22	0.11	0.11	0.00	5.	1	JAN	0550	70	0.02	0.01	0.01	104.
1	JAN	0155	23	0.21	0.21	0.00	5.	1	JAN	0555	71	0.02	0.01	0.01	103.
1	JAN	0200	24	0.21	0.21	0.00	6.	1	JAN	0600	72	0.02	0.01	0.01	102.
1	JAN	0205	25	0.21	0.19	0.02	13.	1	JAN	0605	73	0.02	0.01	0.01	101.
1	JAN	0210	26	0.12	0.10	0.02	28.	1	JAN	0610	74	0.00	0.00	0.00	98.
1	JAN	0215	27	0.12	0.10	0.02	49.	1	JAN	0615	75	0.00	0.00	0.00	91.
1	JAN	0220	28	0.12	0.10	0.03	75.	1	JAN	0620	76	0.00	0.00	0.00	80.
1	JAN	0225	29	0.07	0.05	0.02	100.	1	JAN	0625	77	0.00	0.00	0.00	68.
1	JAN	0230	30	0.07	0.05	0.02	120.	1	JAN	0630	78	0.00	0.00	0.00	56.
1	JAN	0235	31	0.07	0.05	0.02	136.	1	JAN	0635	79	0.00	0.00	0.00	46.
1	JAN	0240	32	0.04	0.03	0.01	146.	1	JAN	0640	80	0.00	0.00	0.00	38.
1	JAN	0245	33	0.04	0.03	0.01	151.	1	JAN	0645	81	0.00	0.00	0.00	31.
1	JAN	0250	34	0.04	0.03	0.01	151.	1	JAN	0650	82	0.00	0.00	0.00	25.
1	JAN	0255	35	0.04	0.03	0.01	148.	1	JAN	0655	83	0.00	0.00	0.00	20.
1	JAN	0300	36	0.04	0.03	0.01	145.	1	JAN	0700	84	0.00	0.00	0.00	17.
1	JAN	0305	37	0.04	0.03	0.01	143.	1	JAN	0705	85	0.00	0.00	0.00	14.
1	JAN	0310	38	0.04	0.03	0.01	142.	1	JAN	0710	86	0.00	0.00	0.00	12.
1	JAN	0315	39	0.04	0.03	0.01	142.	1	JAN	0715	87	0.00	0.00	0.00	10.
1	JAN	0320	40	0.04	0.03	0.01	142.	1	JAN	0720	88	0.00	0.00	0.00	8.
1	JAN	0325	41	0.02	0.01	0.01	141.	1	JAN	0725	89	0.00	0.00	0.00	8.
1	JAN	0330	42	0.02	0.01	0.01	137.	1	JAN	0730	90	0.00	0.00	0.00	8.
1	JAN	0335	43	0.02	0.01	0.01	130.	1	JAN	0735	91	0.00	0.00	0.00	7.
1	JAN	0340	44	0.01	0.01	0.00	121.	1	JAN	0740	92	0.00	0.00	0.00	7.
1	JAN	0345	45	0.01	0.01	0.00	110.	1	JAN	0745	93	0.00	0.00	0.00	7.
1	JAN	0350	46	0.01	0.01	0.00	99.	1	JAN	0750	94	0.00	0.00	0.00	7.
1	JAN	0355	47	0.01	0.01	0.00	89.	1	JAN	0755	95	0.00	0.00	0.00	7.
1	JAN	0400	48	0.01	0.01	0.00	79.	1	JAN	0800	96	0.00	0.00	0.00	7.

TOTAL RAINFALL = 3.04, TOTAL LOSS = 2.46, TOTAL EXCESS = 0.58

PEAK FLOW	TIME	6-HR	MAXIMUM AVERAGE FLOW	7.92-HR
(CFS)	(HR)	(CFS)	24-HR	72-HR
151.	2.75	83.	64.	64.
		(INCHES)	0.611	0.622
		(AC-FT)	41.	42.

CUMULATIVE AREA = 1.26 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 2: /MILL CR/RES INFLOW/FLOW/01JAN1999/5MIN//

421 KK * MRR * Route through Mill Cr #2 Res

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Route through Mill Cr #2 Res
 Spillway crest=6409', Dam crest=6414'
 8" Suction pipe outlet at 6400', assume 5 cfs capacity
 25AF storage subtracted from actual S/E curve
 to approximate operation

HYDROGRAPH ROUTING DATA

427 RS	STORAGE ROUTING	1 NUMBER OF SUBREACHES						
	NSTPS	STOR	TYPE	INITIAL	CONDITION			
	ITYP	0.00	INITIAL	CONDITION				
	RSVRC	0.00	WORKING	R AND D	COEFFICIENT			
	X							
428 SV	STORAGE	0.0	11.0	25.0	26.5	41.0	45.0	64.0
429 SQ	DISCHARGE	5.	5.	5.	36.	374.	1487.	16724.
430 SE	ELEVATION	6400.00	6405.00	6409.00	6410.00	6414.00	6415.00	6420.00

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 1487 TO 16724.
 THE ROUTED HYDROGRAPH SHOULD BE EXAMINED FOR OSCILLATIONS OR OUTFLOWS GREATER THAN PEAK INFLOWS.
 THIS CAN BE CORRECTED BY DECREASING THE TIME INTERVAL OR INCREASING STORAGE (USE A LONGER REACH.)

HYDROGRAPH AT STATION MRR

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE		
1	JAN	0005	1	5.	0.0	6400.0	*	1	JAN	0245	33	5.	4.8	6402.2	*	1	JAN	0525	65	64.	27.7	6410.3
1	JAN	0010	2	5.	0.0	6400.0	*	1	JAN	0250	34	5.	5.8	6402.6	*	1	JAN	0530	66	72.	28.0	6410.4
1	JAN	0015	3	5.	0.0	6400.0	*	1	JAN	0255	35	5.	6.8	6403.1	*	1	JAN	0535	67	78.	28.3	6410.5
1	JAN	0020	4	5.	0.0	6400.0	*	1	JAN	0300	36	5.	7.8	6403.5	*	1	JAN	0540	68	82.	28.5	6410.5
1	JAN	0025	5	5.	0.0	6400.0	*	1	JAN	0305	37	5.	8.7	6404.0	*	1	JAN	0545	69	86.	28.6	6410.6
1	JAN	0030	6	5.	0.0	6400.0	*	1	JAN	0310	38	5.	9.7	6404.4	*	1	JAN	0550	70	89.	28.8	6410.6
1	JAN	0035	7	5.	0.0	6400.0	*	1	JAN	0315	39	5.	10.6	6404.8	*	1	JAN	0555	71	91.	28.9	6410.7
1	JAN	0040	8	5.	0.0	6400.0	*	1	JAN	0320	40	5.	11.6	6405.2	*	1	JAN	0600	72	93.	28.9	6410.7
1	JAN	0045	9	5.	0.0	6400.0	*	1	JAN	0325	41	5.	12.5	6405.4	*	1	JAN	0605	73	94.	29.0	6410.7
1	JAN	0050	10	5.	0.0	6400.0	*	1	JAN	0330	42	5.	13.4	6405.7	*	1	JAN	0610	74	95.	29.0	6410.7
1	JAN	0055	11	5.	0.0	6400.0	*	1	JAN	0335	43	5.	14.3	6405.9	*	1	JAN	0615	75	95.	29.0	6410.7
1	JAN	0100	12	5.	0.0	6400.0	*	1	JAN	0340	44	5.	15.1	6406.2	*	1	JAN	0620	76	93.	29.0	6410.7
1	JAN	0105	13	5.	0.0	6400.0	*	1	JAN	0345	45	5.	15.9	6406.4	*	1	JAN	0625	77	91.	28.8	6410.6
1	JAN	0110	14	5.	0.0	6400.0	*	1	JAN	0350	46	5.	16.6	6406.6	*	1	JAN	0630	78	86.	28.7	6410.6
1	JAN	0115	15	5.	0.0	6400.0	*	1	JAN	0355	47	5.	17.2	6406.8	*	1	JAN	0635	79	81.	28.4	6410.5
1	JAN	0120	16	5.	0.0	6400.0	*	1	JAN	0400	48	5.	17.8	6406.9	*	1	JAN	0640	80	75.	28.2	6410.5
1	JAN	0125	17	5.	0.0	6400.0	*	1	JAN	0405	49	5.	18.2	6407.1	*	1	JAN	0645	81	69.	27.9	6410.4
1	JAN	0130	18	5.	0.0	6400.0	*	1	JAN	0410	50	5.	18.7	6407.2	*	1	JAN	0650	82	63.	27.7	6410.3
1	JAN	0135	19	5.	0.0	6400.0	*	1	JAN	0415	51	5.	19.1	6407.3	*	1	JAN	0655	83	57.	27.4	6410.2
1	JAN	0140	20	5.	0.0	6400.0	*	1	JAN	0420	52	5.	19.6	6407.5	*	1	JAN	0700	84	51.	27.2	6410.2
1	JAN	0145	21	5.	0.0	6400.0	*	1	JAN	0425	53	5.	20.1	6407.6	*	1	JAN	0705	85	46.	26.9	6410.1
1	JAN	0150	22	5.	0.0	6400.0	*	1	JAN	0430	54	5.	20.6	6407.7	*	1	JAN	0710	86	41.	26.7	6410.1
1	JAN	0155	23	5.	0.0	6400.0	*	1	JAN	0435	55	5.	21.2	6407.9	*	1	JAN	0715	87	37.	26.5	6410.0
1	JAN	0200	24	5.	0.0	6400.0	*	1	JAN	0440	56	5.	21.9	6408.1	*	1	JAN	0720	88	33.	26.3	6409.9
1	JAN	0205	25	5.	0.0	6400.0	*	1	JAN	0445	57	5.	22.5	6408.3	*	1	JAN	0725	89	30.	26.2	6409.8
1	JAN	0210	26	5.	0.1	6400.1	*	1	JAN	0450	58	5.	23.2	6408.5	*	1	JAN	0730	90	27.	26.0	6409.7
1	JAN	0215	27	5.	0.3	6400.2	*	1	JAN	0455	59	5.	24.0	6408.7	*	1	JAN	0735	91	24.	25.9	6409.6
1	JAN	0220	28	5.	0.7	6400.3	*	1	JAN	0500	60	5.	24.7	6408.9	*	1	JAN	0740	92	22.	25.8	6409.5
1	JAN	0225	29	5.	1.3	6400.6	*	1	JAN	0505	61	15.	25.5	6409.3	*	1	JAN	0745	93	20.	25.7	6409.5
1	JAN	0230	30	5.	2.0	6400.9	*	1	JAN	0510	62	30.	26.2	6409.8	*	1	JAN	0750	94	18.	25.6	6409.4
1	JAN	0235	31	5.	2.9	6401.3	*	1	JAN	0515	63	43.	26.8	6410.1	*	1	JAN	0755	95	17.	25.6	6409.4
1	JAN	0240	32	5.	3.8	6401.7	*	1	JAN	0520	64	54.	27.3	6410.2	*	1	JAN	0800	96	16.	25.5	6409.3

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	7.92-HR
95.	6.08	31.	25.	25.	25.
		(INCHES)	0.231	0.243	0.243
		(AC-FT)	16.	16.	16.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
(AC-FT)	(HR)	6-HR	24-HR	72-HR	7.92-HR
29.	6.08	20.	15.	15.	15.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
(FEET)	(HR)	6-HR	24-HR	72-HR	7.92-HR
6410.70	6.08	6407.52	6405.70	6405.70	6405.70

CUMULATIVE AREA = 1.26 SQ MI

-----DSS-----WRITE Unit 71; Vers. 2: /MILL CR/RES OUTFLOW/FLOW/01JAN1999/SMIN//

432 KK M1R Route Mill to SR 28 at 3 fps

HYDROGRAPH ROUTING DATA

433 RM MUSKINGUM ROUTING
 NSTPS 1 NUMBER OF SUBREACHES
 AMSKK 0.09 MUSKINGUM K
 X 0.40 MUSKINGUM X

HYDROGRAPH AT STATION M1R

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	5.	1	JAN	0205	25	5.	1	JAN	0405	49	5.	1	JAN	0605	73	93.
1	JAN	0010	2	5.	1	JAN	0210	26	5.	1	JAN	0410	50	5.	1	JAN	0610	74	94.
1	JAN	0015	3	5.	1	JAN	0215	27	5.	1	JAN	0415	51	5.	1	JAN	0615	75	95.
1	JAN	0020	4	5.	1	JAN	0220	28	5.	1	JAN	0420	52	5.	1	JAN	0620	76	95.
1	JAN	0025	5	5.	1	JAN	0225	29	5.	1	JAN	0425	53	5.	1	JAN	0625	77	93.
1	JAN	0030	6	5.	1	JAN	0230	30	5.	1	JAN	0430	54	5.	1	JAN	0630	78	91.
1	JAN	0035	7	5.	1	JAN	0235	31	5.	1	JAN	0435	55	5.	1	JAN	0635	79	87.
1	JAN	0040	8	5.	1	JAN	0240	32	5.	1	JAN	0440	56	5.	1	JAN	0640	80	81.
1	JAN	0045	9	5.	1	JAN	0245	33	5.	1	JAN	0445	57	5.	1	JAN	0645	81	76.
1	JAN	0050	10	5.	1	JAN	0250	34	5.	1	JAN	0450	58	5.	1	JAN	0650	82	70.
1	JAN	0055	11	5.	1	JAN	0255	35	5.	1	JAN	0455	59	5.	1	JAN	0655	83	63.
1	JAN	0100	12	5.	1	JAN	0300	36	5.	1	JAN	0500	60	5.	1	JAN	0700	84	57.
1	JAN	0105	13	5.	1	JAN	0305	37	5.	1	JAN	0505	61	6.	1	JAN	0705	85	52.
1	JAN	0110	14	5.	1	JAN	0310	38	5.	1	JAN	0510	62	15.	1	JAN	0710	86	46.
1	JAN	0115	15	5.	1	JAN	0315	39	5.	1	JAN	0515	63	29.	1	JAN	0715	87	41.
1	JAN	0120	16	5.	1	JAN	0320	40	5.	1	JAN	0520	64	42.	1	JAN	0720	88	37.
1	JAN	0125	17	5.	1	JAN	0325	41	5.	1	JAN	0525	65	53.	1	JAN	0725	89	33.
1	JAN	0130	18	5.	1	JAN	0330	42	5.	1	JAN	0530	66	63.	1	JAN	0730	90	30.
1	JAN	0135	19	5.	1	JAN	0335	43	5.	1	JAN	0535	67	71.	1	JAN	0735	91	27.
1	JAN	0140	20	5.	1	JAN	0340	44	5.	1	JAN	0540	68	77.	1	JAN	0740	92	24.
1	JAN	0145	21	5.	1	JAN	0345	45	5.	1	JAN	0545	69	82.	1	JAN	0745	93	22.
1	JAN	0150	22	5.	1	JAN	0350	46	5.	1	JAN	0550	70	86.	1	JAN	0750	94	20.
1	JAN	0155	23	5.	1	JAN	0355	47	5.	1	JAN	0555	71	89.	1	JAN	0755	95	18.
1	JAN	0200	24	5.	1	JAN	0400	48	5.	1	JAN	0600	72	91.	1	JAN	0800	96	17.

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	7.92-HR
95.	6.17	31.	25.	25.	25.
		(INCHES)	0.229	0.241	0.241
		(AC-FT)	15.	16.	16.

CUMULATIVE AREA = 1.26 SQ MI

434 KK M2 Mill Cr btw dam and SR 28

SUBBASIN RUNOFF DATA

435 BA SUBBASIN CHARACTERISTICS
 TAREA 0.06 SUBBASIN AREA

436 BF BASE FLOW CHARACTERISTICS
 STRTQ 0.00 INITIAL FLOW
 QRCSN -0.05 BEGIN BASE FLOW RECESSION
 RTIOR 1.50000 RECESSION CONSTANT

PRECIPITATION DATA

437 PB STORM 1.82 BASIN TOTAL PRECIPITATION

412 PI INCREMENTAL PRECIPITATION PATTERN

0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1.00
1.00	1.00	0.33	0.33	0.33	1.00	1.00	0.67	0.67	3.67
3.67	7.00	7.00	7.00	4.00	4.00	4.00	2.33	2.33	2.33
1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	0.67
0.67	0.67	0.33	0.33	0.33	0.33	0.33	0.33	1.00	1.00

1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67 0.67
 0.67 0.67

438 LS SCS LOSS RATE
 STRL 0.70 INITIAL ABSTRACTION
 CRVNR 74.12 CURVE NUMBER
 RTIMP 0.00 PERCENT IMPERVIOUS AREA

439 UI INPUT UNITGRAPH, 9 ORDINATES, VOLUME = 1.00
 61.0 128.0 106.0 71.0 42.0 26.0 17.0 10.0 4.0

HYDROGRAPH AT STATION M2

DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	0005	1	0.00	0.00	0.00	0.	1	JAN	0405	49	0.01	0.00	0.00	1.
1	JAN	0010	2	0.01	0.01	0.00	0.	1	JAN	0410	50	0.02	0.01	0.01	1.
1	JAN	0015	3	0.01	0.01	0.00	0.	1	JAN	0415	51	0.02	0.01	0.01	2.
1	JAN	0020	4	0.01	0.01	0.00	0.	1	JAN	0420	52	0.02	0.01	0.01	2.
1	JAN	0025	5	0.01	0.01	0.00	0.	1	JAN	0425	53	0.02	0.01	0.01	2.
1	JAN	0030	6	0.01	0.01	0.00	0.	1	JAN	0430	54	0.02	0.01	0.01	3.
1	JAN	0035	7	0.01	0.01	0.00	0.	1	JAN	0435	55	0.02	0.01	0.01	3.
1	JAN	0040	8	0.01	0.01	0.00	0.	1	JAN	0440	56	0.02	0.01	0.01	3.
1	JAN	0045	9	0.01	0.01	0.00	0.	1	JAN	0445	57	0.02	0.01	0.01	3.
1	JAN	0050	10	0.01	0.01	0.00	0.	1	JAN	0450	58	0.02	0.01	0.01	3.
1	JAN	0055	11	0.02	0.02	0.00	0.	1	JAN	0455	59	0.02	0.01	0.01	3.
1	JAN	0100	12	0.02	0.02	0.00	0.	1	JAN	0500	60	0.02	0.01	0.01	3.
1	JAN	0105	13	0.02	0.02	0.00	0.	1	JAN	0505	61	0.02	0.01	0.01	3.
1	JAN	0110	14	0.01	0.01	0.00	0.	1	JAN	0510	62	0.01	0.01	0.00	3.
1	JAN	0115	15	0.01	0.01	0.00	0.	1	JAN	0515	63	0.01	0.01	0.00	3.
1	JAN	0120	16	0.01	0.01	0.00	0.	1	JAN	0520	64	0.01	0.01	0.00	3.
1	JAN	0125	17	0.02	0.02	0.00	0.	1	JAN	0525	65	0.01	0.01	0.00	2.
1	JAN	0130	18	0.02	0.02	0.00	0.	1	JAN	0530	66	0.01	0.01	0.00	2.
1	JAN	0135	19	0.02	0.02	0.00	0.	1	JAN	0535	67	0.01	0.01	0.00	2.
1	JAN	0140	20	0.07	0.07	0.00	0.	1	JAN	0540	68	0.01	0.01	0.00	2.
1	JAN	0145	21	0.07	0.07	0.00	0.	1	JAN	0545	69	0.01	0.01	0.01	2.
1	JAN	0150	22	0.07	0.07	0.00	0.	1	JAN	0550	70	0.01	0.01	0.01	2.
1	JAN	0155	23	0.13	0.13	0.00	0.	1	JAN	0555	71	0.01	0.01	0.01	2.
1	JAN	0200	24	0.13	0.13	0.00	0.	1	JAN	0600	72	0.01	0.01	0.01	2.
1	JAN	0205	25	0.13	0.12	0.00	0.	1	JAN	0605	73	0.01	0.01	0.01	2.
1	JAN	0210	26	0.07	0.07	0.01	1.	1	JAN	0610	74	0.00	0.00	0.00	2.
1	JAN	0215	27	0.07	0.06	0.01	2.	1	JAN	0615	75	0.00	0.00	0.00	1.
1	JAN	0220	28	0.07	0.06	0.01	3.	1	JAN	0620	76	0.00	0.00	0.00	1.
1	JAN	0225	29	0.04	0.03	0.01	3.	1	JAN	0625	77	0.00	0.00	0.00	0.
1	JAN	0230	30	0.04	0.03	0.01	4.	1	JAN	0630	78	0.00	0.00	0.00	0.
1	JAN	0235	31	0.04	0.03	0.01	4.	1	JAN	0635	79	0.00	0.00	0.00	0.
1	JAN	0240	32	0.02	0.02	0.01	4.	1	JAN	0640	80	0.00	0.00	0.00	0.
1	JAN	0245	33	0.02	0.02	0.01	3.	1	JAN	0645	81	0.00	0.00	0.00	0.
1	JAN	0250	34	0.02	0.02	0.01	3.	1	JAN	0650	82	0.00	0.00	0.00	0.
1	JAN	0255	35	0.02	0.02	0.01	3.	1	JAN	0655	83	0.00	0.00	0.00	0.
1	JAN	0300	36	0.02	0.02	0.01	3.	1	JAN	0700	84	0.00	0.00	0.00	0.
1	JAN	0305	37	0.02	0.02	0.01	3.	1	JAN	0705	85	0.00	0.00	0.00	0.
1	JAN	0310	38	0.02	0.02	0.01	3.	1	JAN	0710	86	0.00	0.00	0.00	0.
1	JAN	0315	39	0.02	0.02	0.01	3.	1	JAN	0715	87	0.00	0.00	0.00	0.
1	JAN	0320	40	0.02	0.02	0.01	3.	1	JAN	0720	88	0.00	0.00	0.00	0.
1	JAN	0325	41	0.01	0.01	0.00	3.	1	JAN	0725	89	0.00	0.00	0.00	0.
1	JAN	0330	42	0.01	0.01	0.00	3.	1	JAN	0730	90	0.00	0.00	0.00	0.
1	JAN	0335	43	0.01	0.01	0.00	2.	1	JAN	0735	91	0.00	0.00	0.00	0.
1	JAN	0340	44	0.01	0.00	0.00	2.	1	JAN	0740	92	0.00	0.00	0.00	0.
1	JAN	0345	45	0.01	0.00	0.00	2.	1	JAN	0745	93	0.00	0.00	0.00	0.
1	JAN	0350	46	0.01	0.00	0.00	1.	1	JAN	0750	94	0.00	0.00	0.00	0.
1	JAN	0355	47	0.01	0.00	0.00	1.	1	JAN	0755	95	0.00	0.00	0.00	0.
1	JAN	0400	48	0.01	0.00	0.00	1.	1	JAN	0800	96	0.00	0.00	0.00	0.

TOTAL RAINFALL = 1.82, TOTAL LOSS = 1.55, TOTAL EXCESS = 0.27

PEAK FLOW	TIME	6-HR	24-HR	72-HR	7.92-HR
(CFS)	(HR)	(CFS)	(CFS)	(CFS)	(CFS)
4.	2.50	2.	1.	1.	1.
		(INCHES)	0.278	0.278	0.278
		(AC-FT)	1.	1.	1.

CUMULATIVE AREA = 0.06 SQ MI

-----DSS-----ZWRITE Unit 71; Vers. 2: /MILL CR/SR28 LOCAL/FLOW/01JAN1999/5MIN//

441 KK * M2C * Add SR 28 local to Mill, Pt 15

442 HC

HYDROGRAPH COMBINATION
ICOMP

2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION M2C
SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	5.	1	JAN	0205	25	5.	1	JAN	0405	49	6.	1	JAN	0605	73	95.
1	JAN	0010	2	5.	1	JAN	0210	26	6.	1	JAN	0410	50	6.	1	JAN	0610	74	96.
1	JAN	0015	3	5.	1	JAN	0215	27	7.	1	JAN	0415	51	7.	1	JAN	0615	75	96.
1	JAN	0020	4	5.	1	JAN	0220	28	8.	1	JAN	0420	52	7.	1	JAN	0620	76	96.
1	JAN	0025	5	5.	1	JAN	0225	29	8.	1	JAN	0425	53	7.	1	JAN	0625	77	94.
1	JAN	0030	6	5.	1	JAN	0230	30	9.	1	JAN	0430	54	8.	1	JAN	0630	78	91.
1	JAN	0035	7	5.	1	JAN	0235	31	9.	1	JAN	0435	55	8.	1	JAN	0635	79	87.
1	JAN	0040	8	5.	1	JAN	0240	32	9.	1	JAN	0440	56	8.	1	JAN	0640	80	82.
1	JAN	0045	9	5.	1	JAN	0245	33	8.	1	JAN	0445	57	8.	1	JAN	0645	81	76.
1	JAN	0050	10	5.	1	JAN	0250	34	8.	1	JAN	0450	58	8.	1	JAN	0650	82	70.
1	JAN	0055	11	5.	1	JAN	0255	35	8.	1	JAN	0455	59	8.	1	JAN	0655	83	64.
1	JAN	0100	12	5.	1	JAN	0300	36	8.	1	JAN	0500	60	8.	1	JAN	0700	84	58.
1	JAN	0105	13	5.	1	JAN	0305	37	8.	1	JAN	0505	61	9.	1	JAN	0705	85	52.
1	JAN	0110	14	5.	1	JAN	0310	38	8.	1	JAN	0510	62	18.	1	JAN	0710	86	47.
1	JAN	0115	15	5.	1	JAN	0315	39	8.	1	JAN	0515	63	31.	1	JAN	0715	87	42.
1	JAN	0120	16	5.	1	JAN	0320	40	8.	1	JAN	0520	64	44.	1	JAN	0720	88	37.
1	JAN	0125	17	5.	1	JAN	0325	41	8.	1	JAN	0525	65	56.	1	JAN	0725	89	33.
1	JAN	0130	18	5.	1	JAN	0330	42	8.	1	JAN	0530	66	65.	1	JAN	0730	90	30.
1	JAN	0135	19	5.	1	JAN	0335	43	7.	1	JAN	0535	67	73.	1	JAN	0735	91	27.
1	JAN	0140	20	5.	1	JAN	0340	44	7.	1	JAN	0540	68	79.	1	JAN	0740	92	24.
1	JAN	0145	21	5.	1	JAN	0345	45	7.	1	JAN	0545	69	84.	1	JAN	0745	93	22.
1	JAN	0150	22	5.	1	JAN	0350	46	6.	1	JAN	0550	70	88.	1	JAN	0750	94	20.
1	JAN	0155	23	5.	1	JAN	0355	47	6.	1	JAN	0555	71	91.	1	JAN	0755	95	19.
1	JAN	0200	24	5.	1	JAN	0400	48	6.	1	JAN	0600	72	93.	1	JAN	0800	96	17.

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	7.92-HR
96.	6.17	33.	26.	26.	26.
		(INCHES)	0.232	0.243	0.243
		(AC-FT)	16.	17.	17.

CUMULATIVE AREA = 1.32 SQ MI

----DSS---ZWRITE Unit 71; Vers. 2: /MILL CR/SR28 PT15/FLOW/01JAN1999/5MIN//

444 KK

M2R

Route Mill to mouth at 3 fps

HYDROGRAPH ROUTING DATA

445 RM

MUSKINGUM ROUTING

NSTPS 1 NUMBER OF SUBREACHES
AMSKK 0.09 MUSKINGUM K
X 0.40 MUSKINGUM X

HYDROGRAPH AT STATION M2R

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	5.	1	JAN	0205	25	5.	1	JAN	0405	49	6.	1	JAN	0605	73	93.
1	JAN	0010	2	5.	1	JAN	0210	26	5.	1	JAN	0410	50	6.	1	JAN	0610	74	95.
1	JAN	0015	3	5.	1	JAN	0215	27	6.	1	JAN	0415	51	6.	1	JAN	0615	75	96.
1	JAN	0020	4	5.	1	JAN	0220	28	7.	1	JAN	0420	52	7.	1	JAN	0620	76	96.
1	JAN	0025	5	5.	1	JAN	0225	29	8.	1	JAN	0425	53	7.	1	JAN	0625	77	96.
1	JAN	0030	6	5.	1	JAN	0230	30	8.	1	JAN	0430	54	7.	1	JAN	0630	78	94.
1	JAN	0035	7	5.	1	JAN	0235	31	9.	1	JAN	0435	55	8.	1	JAN	0635	79	91.
1	JAN	0040	8	5.	1	JAN	0240	32	9.	1	JAN	0440	56	8.	1	JAN	0640	80	87.
1	JAN	0045	9	5.	1	JAN	0245	33	9.	1	JAN	0445	57	8.	1	JAN	0645	81	82.
1	JAN	0050	10	5.	1	JAN	0250	34	8.	1	JAN	0450	58	8.	1	JAN	0650	82	76.
1	JAN	0055	11	5.	1	JAN	0255	35	8.	1	JAN	0455	59	8.	1	JAN	0655	83	70.

1 JAN 0100	12	5.	*	1 JAN 0300	36	8.	*	1 JAN 0500	60	8.	*	1 JAN 0700	84	64.
1 JAN 0105	13	5.	*	1 JAN 0305	37	8.	*	1 JAN 0505	61	8.	*	1 JAN 0705	85	58.
1 JAN 0110	14	5.	*	1 JAN 0310	38	8.	*	1 JAN 0510	62	9.	*	1 JAN 0710	86	52.
1 JAN 0115	15	5.	*	1 JAN 0315	39	8.	*	1 JAN 0515	63	18.	*	1 JAN 0715	87	47.
1 JAN 0120	16	5.	*	1 JAN 0320	40	8.	*	1 JAN 0520	64	30.	*	1 JAN 0720	88	42.
1 JAN 0125	17	5.	*	1 JAN 0325	41	8.	*	1 JAN 0525	65	43.	*	1 JAN 0725	89	38.
1 JAN 0130	18	5.	*	1 JAN 0330	42	8.	*	1 JAN 0530	66	55.	*	1 JAN 0730	90	34.
1 JAN 0135	19	5.	*	1 JAN 0335	43	8.	*	1 JAN 0535	67	65.	*	1 JAN 0735	91	30.
1 JAN 0140	20	5.	*	1 JAN 0340	44	7.	*	1 JAN 0540	68	72.	*	1 JAN 0740	92	27.
1 JAN 0145	21	5.	*	1 JAN 0345	45	7.	*	1 JAN 0545	69	79.	*	1 JAN 0745	93	25.
1 JAN 0150	22	5.	*	1 JAN 0350	46	7.	*	1 JAN 0550	70	84.	*	1 JAN 0750	94	22.
1 JAN 0155	23	5.	*	1 JAN 0355	47	6.	*	1 JAN 0555	71	88.	*	1 JAN 0755	95	20.
1 JAN 0200	24	5.	*	1 JAN 0400	48	6.	*	1 JAN 0600	72	91.	*	1 JAN 0800	96	19.

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PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW				
		6-HR	24-HR	72-HR	7.92-HR	
96.	6.25	33.	26.	26.	26.	
		(INCHES)	0.230	0.242	0.242	0.242
		(AC-FT)	16.	17.	17.	17.

CUMULATIVE AREA = 1.32 SQ MI

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*         M3 *      Mill Cr at mouth
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450 IN TIME DATA FOR INPUT TIME SERIES

JXMIN	15	TIME INTERVAL IN MINUTES
JXDATE	1JAN99	STARTING DATE
JXTIME	5	STARTING TIME

SUBBASIN RUNOFF DATA

447 BA SUBBASIN CHARACTERISTICS

TAREA	0.70	SUBBASIN AREA
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448 BF BASE FLOW CHARACTERISTICS

STRTO	0.00	INITIAL FLOW
QRCSN	-0.05	BEGIN BASE FLOW RECESSON
RTIOR	1.50000	RECESSON CONSTANT

PRECIPITATION DATA

449 PB STORM 1.67 BASIN TOTAL PRECIPITATION

451 PI INCREMENTAL PRECIPITATION PATTERN

0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	1.00
1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	3.67	3.67	
3.67	7.00	7.00	7.00	4.00	4.00	4.00	2.33	2.33	2.33	
1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	0.67	
0.67	0.67	0.33	0.33	0.33	0.33	0.33	0.33	1.00	1.00	
1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	
0.67	0.67									

455 LS SCS LOSS RATE

STRTL	0.69	INITIAL ABSTRACTION
CRVNBR	74.43	CURVE NUMBER
RTIMP	0.00	PERCENT IMPERVIOUS AREA

456 UI INPUT UNITGRAPH, 15 ORDINATES, VOLUME = 1.00

315.0	809.0	1000.0	867.0	685.0	518.0	365.0	263.0	195.0	145.0
105.0	76.0	47.0	24.0	12.0					

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HYDROGRAPH AT STATION M3

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DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q	DA	MON	HRMN	ORD	RAIN	LOSS	EXCESS	COMP Q
1	JAN	0005	1	0.00	0.00	0.00	0.	1	JAN	0405	49	0.01	0.00	0.00	12.
1	JAN	0010	2	0.01	0.01	0.00	0.	1	JAN	0410	50	0.02	0.01	0.00	12.
1	JAN	0015	3	0.01	0.01	0.00	0.	1	JAN	0415	51	0.02	0.01	0.01	14.
1	JAN	0020	4	0.01	0.01	0.00	0.	1	JAN	0420	52	0.02	0.01	0.01	17.
1	JAN	0025	5	0.01	0.01	0.00	0.	1	JAN	0425	53	0.02	0.01	0.01	19.
1	JAN	0030	6	0.01	0.01	0.00	0.	1	JAN	0430	54	0.02	0.01	0.01	22.
1	JAN	0035	7	0.01	0.01	0.00	0.	1	JAN	0435	55	0.02	0.01	0.01	24.
1	JAN	0040	8	0.01	0.01	0.00	0.	1	JAN	0440	56	0.02	0.01	0.01	25.
1	JAN	0045	9	0.01	0.01	0.00	0.	1	JAN	0445	57	0.02	0.01	0.01	27.

1 JAN 0050	10	0.01	0.01	0.00	0.	*	1 JAN 0450	58	0.02	0.01	0.01	28.
1 JAN 0055	11	0.02	0.02	0.00	0.	*	1 JAN 0455	59	0.02	0.01	0.01	29.
1 JAN 0100	12	0.02	0.02	0.00	0.	*	1 JAN 0500	60	0.02	0.01	0.01	29.
1 JAN 0105	13	0.02	0.02	0.00	0.	*	1 JAN 0505	61	0.02	0.01	0.01	30.
1 JAN 0110	14	0.01	0.01	0.00	0.	*	1 JAN 0510	62	0.01	0.01	0.00	30.
1 JAN 0115	15	0.01	0.01	0.00	0.	*	1 JAN 0515	63	0.01	0.01	0.00	29.
1 JAN 0120	16	0.01	0.01	0.00	0.	*	1 JAN 0520	64	0.01	0.01	0.00	27.
1 JAN 0125	17	0.02	0.02	0.00	0.	*	1 JAN 0525	65	0.01	0.01	0.00	26.
1 JAN 0130	18	0.02	0.02	0.00	0.	*	1 JAN 0530	66	0.01	0.01	0.00	25.
1 JAN 0135	19	0.02	0.02	0.00	0.	*	1 JAN 0535	67	0.01	0.01	0.00	24.
1 JAN 0140	20	0.06	0.06	0.00	0.	*	1 JAN 0540	68	0.01	0.01	0.00	24.
1 JAN 0145	21	0.06	0.06	0.00	0.	*	1 JAN 0545	69	0.01	0.01	0.00	23.
1 JAN 0150	22	0.06	0.06	0.00	0.	*	1 JAN 0550	70	0.01	0.01	0.00	23.
1 JAN 0155	23	0.12	0.12	0.00	0.	*	1 JAN 0555	71	0.01	0.01	0.00	23.
1 JAN 0200	24	0.12	0.12	0.00	0.	*	1 JAN 0600	72	0.01	0.01	0.00	23.
1 JAN 0205	25	0.12	0.12	0.00	0.	*	1 JAN 0605	73	0.01	0.01	0.00	23.
1 JAN 0210	26	0.07	0.06	0.00	2.	*	1 JAN 0610	74	0.00	0.00	0.00	22.
1 JAN 0215	27	0.07	0.06	0.01	6.	*	1 JAN 0615	75	0.00	0.00	0.00	19.
1 JAN 0220	28	0.07	0.06	0.01	12.	*	1 JAN 0620	76	0.00	0.00	0.00	14.
1 JAN 0225	29	0.04	0.03	0.01	18.	*	1 JAN 0625	77	0.00	0.00	0.00	10.
1 JAN 0230	30	0.04	0.03	0.01	23.	*	1 JAN 0630	78	0.00	0.00	0.00	8.
1 JAN 0235	31	0.04	0.03	0.01	27.	*	1 JAN 0635	79	0.00	0.00	0.00	5.
1 JAN 0240	32	0.02	0.02	0.00	29.	*	1 JAN 0640	80	0.00	0.00	0.00	4.
1 JAN 0245	33	0.02	0.02	0.00	29.	*	1 JAN 0645	81	0.00	0.00	0.00	3.
1 JAN 0250	34	0.02	0.02	0.00	28.	*	1 JAN 0650	82	0.00	0.00	0.00	2.
1 JAN 0255	35	0.02	0.02	0.00	28.	*	1 JAN 0655	83	0.00	0.00	0.00	1.
1 JAN 0300	36	0.02	0.02	0.01	28.	*	1 JAN 0700	84	0.00	0.00	0.00	1.
1 JAN 0305	37	0.02	0.02	0.01	28.	*	1 JAN 0705	85	0.00	0.00	0.00	1.
1 JAN 0310	38	0.02	0.02	0.01	28.	*	1 JAN 0710	86	0.00	0.00	0.00	1.
1 JAN 0315	39	0.02	0.02	0.01	29.	*	1 JAN 0715	87	0.00	0.00	0.00	1.
1 JAN 0320	40	0.02	0.02	0.01	29.	*	1 JAN 0720	88	0.00	0.00	0.00	1.
1 JAN 0325	41	0.01	0.01	0.00	29.	*	1 JAN 0725	89	0.00	0.00	0.00	1.
1 JAN 0330	42	0.01	0.01	0.00	27.	*	1 JAN 0730	90	0.00	0.00	0.00	1.
1 JAN 0335	43	0.01	0.01	0.00	25.	*	1 JAN 0735	91	0.00	0.00	0.00	1.
1 JAN 0340	44	0.01	0.00	0.00	22.	*	1 JAN 0740	92	0.00	0.00	0.00	1.
1 JAN 0345	45	0.01	0.00	0.00	19.	*	1 JAN 0745	93	0.00	0.00	0.00	1.
1 JAN 0350	46	0.01	0.00	0.00	17.	*	1 JAN 0750	94	0.00	0.00	0.00	1.
1 JAN 0355	47	0.01	0.00	0.00	14.	*	1 JAN 0755	95	0.00	0.00	0.00	1.
1 JAN 0400	48	0.01	0.00	0.00	13.	*	1 JAN 0800	96	0.00	0.00	0.00	1.

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TOTAL RAINFALL = 1.67, TOTAL LOSS = 1.45, TOTAL EXCESS = 0.22

PEAK FLOW	TIME	6-HR	MAXIMUM AVERAGE FLOW	7.92-HR
(CFS)	(HR)	(CFS)	24-HR	72-HR
+	30.	5.00	17.	13.
		(INCHES)	0.221	0.221
		(AC-FT)	8.	8.

CUMULATIVE AREA = 0.70 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 2: /MILL CR/MOUTH LOCAL/FLOW/01JAN1999/5MIN//

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459 KK * M3C * Add local at mouth to Mill Pt 16

460 HC HYDROGRAPH COMBINATION
ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION M3C
SUM OF 2 HYDROGRAPHS

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	JAN	0005	1	5.	1	JAN	0205	25	5.	1	JAN	0405	49	18.	1	JAN	0605	73	116.
1	JAN	0010	2	5.	1	JAN	0210	26	7.	1	JAN	0410	50	18.	1	JAN	0610	74	117.
1	JAN	0015	3	5.	1	JAN	0215	27	12.	1	JAN	0415	51	20.	1	JAN	0615	75	114.
1	JAN	0020	4	5.	1	JAN	0220	28	19.	1	JAN	0420	52	23.	1	JAN	0620	76	110.
1	JAN	0025	5	5.	1	JAN	0225	29	26.	1	JAN	0425	53	27.	1	JAN	0625	77	106.
1	JAN	0030	6	5.	1	JAN	0230	30	31.	1	JAN	0430	54	29.	1	JAN	0630	78	102.
1	JAN	0035	7	5.	1	JAN	0235	31	35.	1	JAN	0435	55	31.	1	JAN	0635	79	96.
1	JAN	0040	8	5.	1	JAN	0240	32	38.	1	JAN	0440	56	33.	1	JAN	0640	80	91.
1	JAN	0045	9	5.	1	JAN	0245	33	38.	1	JAN	0445	57	34.	1	JAN	0645	81	85.
1	JAN	0050	10	5.	1	JAN	0250	34	37.	1	JAN	0450	58	36.	1	JAN	0650	82	78.
1	JAN	0055	11	5.	1	JAN	0255	35	36.	1	JAN	0455	59	37.	1	JAN	0655	83	72.
1	JAN	0100	12	5.	1	JAN	0300	36	36.	1	JAN	0500	60	37.	1	JAN	0700	84	66.
1	JAN	0105	13	5.	1	JAN	0305	37	36.	1	JAN	0505	61	38.	1	JAN	0705	85	60.
1	JAN	0110	14	5.	1	JAN	0310	38	36.	1	JAN	0510	62	39.	1	JAN	0710	86	54.

1 JAN 0115	15	5.	*	1 JAN 0315	39	37.	*	1 JAN 0515	63	47.	*	1 JAN 0715	87	48.
1 JAN 0120	16	5.	*	1 JAN 0320	40	37.	*	1 JAN 0520	64	58.	*	1 JAN 0720	88	43.
1 JAN 0125	17	5.	*	1 JAN 0325	41	37.	*	1 JAN 0525	65	69.	*	1 JAN 0725	89	39.
1 JAN 0130	18	5.	*	1 JAN 0330	42	35.	*	1 JAN 0530	66	80.	*	1 JAN 0730	90	35.
1 JAN 0135	19	5.	*	1 JAN 0335	43	32.	*	1 JAN 0535	67	89.	*	1 JAN 0735	91	31.
1 JAN 0140	20	5.	*	1 JAN 0340	44	29.	*	1 JAN 0540	68	96.	*	1 JAN 0740	92	28.
1 JAN 0145	21	5.	*	1 JAN 0345	45	26.	*	1 JAN 0545	69	102.	*	1 JAN 0745	93	26.
1 JAN 0150	22	5.	*	1 JAN 0350	46	23.	*	1 JAN 0550	70	107.	*	1 JAN 0750	94	23.
1 JAN 0155	23	5.	*	1 JAN 0355	47	21.	*	1 JAN 0555	71	111.	*	1 JAN 0755	95	21.
1 JAN 0200	24	5.	*	1 JAN 0400	48	19.	*	1 JAN 0600	72	114.	*	1 JAN 0800	96	20.

PEAK FLOW (CFS)	TIME (HR)	(CFS)	MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	7.92-HR
117.	6.08	49.	39.	39.	39.	
		(INCHES)	0.227	0.235	0.235	
		(AC-FT)	24.	25.	25.	

CUMULATIVE AREA = 2.02 SQ MI

-----DSS---ZWRITE Unit 71; Vers. 2: /MILL CR/MOUTH PT16/FLOW/01JAN1999/5MIN//

RUNOFF SUMMARY
FLOW IN CUBIC FEET PER SECOND
TIME IN HOURS, AREA IN SQUARE MILES

OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD			BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
				6-HOUR	24-HOUR	72-HOUR			
HYDROGRAPH AT	F1	176.	3.33	111.	84.	84.	1.72		
HYDROGRAPH AT	S1	262.	3.33	158.	120.	120.	1.73		
HYDROGRAPH AT	BCB1	65.	2.50	27.	21.	21.	0.43		
HYDROGRAPH AT	BC1	53.	2.42	20.	15.	15.	0.27		
HYDROGRAPH AT	W1	358.	3.17	208.	157.	157.	1.70		
ROUTED TO	W1R	357.	3.50	206.	156.	156.	1.70		
HYDROGRAPH AT	W2	16.	2.42	6.	5.	5.	0.19		
2 COMBINED AT	W2C	366.	3.42	213.	161.	161.	1.89		
ROUTED TO	W2R	366.	3.67	211.	160.	160.	1.89		
HYDROGRAPH AT	W3	8.	2.33	3.	2.	2.	0.08		
2 COMBINED AT	W3C	368.	3.67	214.	162.	162.	1.97		
HYDROGRAPH AT	T1	513.	2.75	256.	195.	195.	1.03		
DIVERSION TO	OPDIV	50.	2.75	43.	33.	33.	1.03		
HYDROGRAPH AT	TD1	463.	2.75	213.	162.	162.	1.03		
ROUTED TO	T1R	462.	2.92	213.	162.	162.	1.03		
HYDROGRAPH AT	T2	675.	2.58	276.	211.	211.	1.01		
2 COMBINED AT	T2C	1096.	2.67	489.	373.	373.	2.04		
DIVERSION TO	INDIV	208.	2.67	127.	98.	98.	2.04		
HYDROGRAPH AT	TD2	887.	2.67	362.	275.	275.	2.04		
ROUTED TO	T2R	863.	3.58	358.	271.	271.	2.04		
HYDROGRAPH AT	TD2R	208.	2.67	127.	98.	98.	0.00		

+	ROUTED TO	T2RB	208.	2.92	127.	97.	97.	0.00		
	HYDROGRAPH AT	T3	167.	2.33	58.	44.	44.	0.46		
+	2 COMBINED AT	T3C	323.	2.50	185.	141.	141.	0.46		
+	ROUTED TO	TRR	109.	6.58	53.	41.	41.	0.46	8319.96	6.58
+	ROUTED TO	TRR2	109.	7.33	42.	32.	32.	0.46		
+	2 COMBINED AT	TRRC	866.	3.58	399.	303.	303.	2.50		
+	HYDROGRAPH AT	T4	465.	2.92	258.	195.	195.	1.78		
+	2 COMBINED AT	T4C	1287.	3.50	657.	499.	499.	4.28		
+	ROUTED TO	T4R	1278.	3.67	651.	494.	494.	4.28		
+	HYDROGRAPH AT	T5	5.	2.50	2.	2.	2.	0.07		
+	2 COMBINED AT	T5C	1280.	3.67	653.	496.	496.	4.35		
+	ROUTED TO	T5R	1274.	3.92	644.	489.	489.	4.35		
+	HYDROGRAPH AT	T6	16.	2.58	8.	6.	6.	0.52		
+	2 COMBINED AT	T6C	1279.	3.92	652.	495.	495.	4.87		
+	ROUTED TO	T6R	1278.	3.92	651.	494.	494.	4.87		
+	HYDROGRAPH AT	WT1	77.	2.67	41.	31.	31.	0.84		
+	ROUTED TO	WT1R	77.	3.00	41.	31.	31.	0.84		
+	HYDROGRAPH AT	WT2	10.	2.33	4.	3.	3.	0.15		
+	2 COMBINED AT	WT2C	83.	3.00	45.	34.	34.	0.99		
+	ROUTED TO	T2R	83.	3.08	45.	34.	34.	0.99		
+	2 COMBINED AT	T2C2	1340.	3.92	696.	528.	528.	5.86		
+	ROUTED TO	WT6R2	1330.	4.25	678.	515.	515.	5.86		
+	HYDROGRAPH AT	T7	6.	2.50	3.	2.	2.	0.16		
+	2 COMBINED AT	T7C	1333.	4.25	681.	517.	517.	6.02		
+	HYDROGRAPH AT	WI1	96.	3.33	56.	42.	42.	1.03		
+	ROUTED TO	WI1R	95.	4.00	55.	42.	42.	1.03		
+	HYDROGRAPH AT	WI2	45.	3.33	27.	21.	21.	0.93		
+	2 COMBINED AT	WI2C	134.	3.58	82.	62.	62.	1.96		
+	ROUTED TO	WI2R	132.	3.92	82.	62.	62.	1.96		
+	HYDROGRAPH AT	I1	562.	3.50	379.	287.	287.	4.20		
+	ROUTED TO	I1R	560.	3.92	372.	282.	282.	4.20		

+	HYDROGRAPH AT	I2	17.	2.50	8.	6.	6.	0.25		
+	2 COMBINED AT	I2C	565.	3.92	379.	287.	287.	4.45		
+	ROUTED TO	I2R	563.	4.25	370.	280.	280.	4.45		
+	HYDROGRAPH AT	I3	20.	3.50	9.	7.	7.	0.26		
+	3 COMBINED AT	I3C	698.	4.17	460.	349.	349.	6.67		
+	HYDROGRAPH AT	M1	151.	2.75	83.	64.	64.	1.26		
+	ROUTED TO	MRR	95.	6.08	31.	25.	25.	1.26	6410.70	6.08
+	ROUTED TO	M1R	95.	6.17	31.	25.	25.	1.26		
+	HYDROGRAPH AT	M2	4.	2.50	2.	1.	1.	0.06		
+	2 COMBINED AT	M2C	96.	6.17	33.	26.	26.	1.32		
+	ROUTED TO	M2R	96.	6.25	33.	26.	26.	1.32		
+	HYDROGRAPH AT	M3	30.	5.00	17.	13.	13.	0.70		
+	2 COMBINED AT	M3C	117.	6.08	49.	39.	39.	2.02		

*** NORMAL END OF HEC-1 ***

-----DSS---ZCLOSE Unit: 71, File: INCL100R.DSS
 Pointer Utilization: 0.25
 Number of Records: 42
 File Size: 84.0 Kbytes
 Percent Inactive: 0.0

