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* FLOOD HYDROGRAPH PACKAGE (HEC-1)
* JUN 1998
* VERSION 4.1
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* RUN DATE 25AUG13 TIME 11:58:08
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*
* U.S. ARMY CORPS OF ENGINEERS
* HYDROLOGIC ENGINEERING CENTER
* 609 SECOND STREET
* DAVIS, CALIFORNIA 95616
* (916) 756-1104
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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 -AMSK- 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

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

*DIAGRAM

*** FREE ***

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1 ID THIS HEC-1 IS MODIFIED FROM THE ORIGINAL MPU HEC-1 CLVWASH5.DAT:
2 ID DISCHARGE LOCATIONS FOR BOTH MPU FACILITIES LVBZ AND LVNE
3 ID INTO THE LAS VEGAS WASH WERE REVISED AS FOLLOWS.
4 ID
5 ID THE REVISED DISCHARGE LOCATION FOR LVBZ IS CEDAR AVE. CHANNEL.
6 ID BASINS, ROUTES, ETC. CONTRIBUTING TO COMBINATION POINT CNB15-C
7 ID (FACILITY LVBZ 0000) WERE ROUTED SOUTH IN MARION TO COMBINE WITH THE
8 ID CEDAR AVENUE CHANNEL (FACILITY CACH 0000) AT CCA10-C
9 ID
10 ID THE REVISED DISCHARGE LOCATION FOR LVNE IS SOUTH OF STEWART AVE BRIDGE.
11 ID WITH THE EXCEPTION OF NEL02-C,
12 ID BASINS, ID ROUTES, ETC. CONTRIBUTING TO COMBINATION POINT CNEL02-C
13 ID (FACILITY LVNE 0000) WERE ROUTED SOUTH TO COMBINE IN THE
14 ID LAS VEGAS WASH AFTER COMBINATION POINT CCST03-C, SOUTH OF STEWART AVENUE.
15 ID BASED ON ITS LOCATION, BASIN NEL02-C IS MODELED AS DISCHARGING TO THE
16 ID LAS VEGAS WASH AT BONANZA RD (ITS ORIGINAL DISCHARGE LOCATION)
17 ID THE MPU BASIN NEL04-C IS EAST OF THE WASH BETWEEN BONANZA AND CHARLESTON;
18 ID THEREFORE, THE BASIN WAS SPLIT AT STEWART.
19 ID NEL04-C1 (THE NORTH HALF OF THE NEL04-C) WAS COMBINED WITH FLOW IN LVNE
20 ID NEL04-C2 (THE SOUTH HALF) CONTINES TO CHARLESTON AS IN THE ORIGINAL MODEL
21 ID
22 ID INPUT FILE NAME = CLVWASH5_LVBZATCEDARLVNEATSTEWART.DAT
23 ID REVISIONS BY V FLOCK, STANLEY CONSULTANTS, INC., JULY 2013
24 ID CHECKED BY H MURVOSH, STANLEY CONSULTANTS, INC., JULY 2013
25 ID REFERENCES:
26 ID CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT 2008 MASTER PLAN UPDATE
27 ID LAS VEGAS WASH THROUGH THE CENTRAL WATERSHED
28 ID RECOMMENDED DRAINAGE SYSTEM WITH ULTIMATE DEVELOPMENT
29 ID MPU 2008 INPUT FILE = CLVWASH5.DAT
30 ID MPU 2008 INPUT FILE DATE = 06/10/08
31 ID DESIGN STORM = 100-YEAR 6-HOUR STORM
32 ID STORM DISTRIBUTION = SDN5
33 ID MODELED BY = PBS&J - HARSHAL DESAI,P.E,CFM
34 ID STORM CENTERING =
35 ID DOWNSTREAM OF THE UPPER LAS VEGAS WASH, KYLE CANYON,NORTH LAS VEGAS,
36 ID GOWAN NORTH, AND CAREY/LAKE MEAD DETENTION BASIN.
37 ID
38 ID
39 ID
40 ID JR CARDS CONTAIN DARFS BASED ON THE FOLLOWING VALUES:
41 ID
42 ID AREA (SQUARE MILES) DARF
43 ID 90 - 100 0.608
44 ID 100 - 125 0.5875
45 ID 125 - 150 0.5625
46 ID 150 - 175 0.54
47 ID 175 - 200 0.52
48 ID
49 ID IT 5 0 0 300
50 ID IO 5 0 0
51 ID IN 5 0 0
52 ID JR PREC 0.608 0.5875 0.5625 0.54 0.52
*

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LINE	ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
53	KK NW62-S
54	BA 0.208
55	PB 2.77
56	PC 0.000 0.020 0.059 0.080 0.110 0.144 0.150 0.160 0.168 0.171
57	PC 0.180 0.182 0.187 0.190 0.197 0.202 0.210 0.220 0.230 0.241
58	PC 0.250 0.259 0.265 0.280 0.290 0.300 0.305 0.309 0.310 0.317
59	PC 0.321 0.327 0.333 0.346 0.361 0.381 0.408 0.430 0.477 0.514
60	PC 0.561 0.630 0.710 0.720 0.731 0.752 0.779 0.790 0.795 0.804
61	PC 0.810 0.820 0.826 0.840 0.859 0.889 0.910 0.938 0.966 0.970
62	PC 0.974 0.979 0.981 0.983 0.985 0.989 0.990 0.992 0.993 0.996
63	PC 0.997 0.999 1.000
64	LS 0 95.6
65	UD 0.190
	*
66	KK RNW62-S
67	KM ROUTE NW62-S TO CNW74-C
68	KM FACILITY = CENTENNIAL PARKWAY CHANNEL WEST/U.S. 95 FACILITY
69	KM FACILITY ID-MILE = CN95 0333,0318,0313,0259
70	KM LINING = RCB
71	RD 2100 0.015 0.015 0 TRAP 14 0
	*
72	KK NW74-C
73	BA 0.247
74	PB 2.80
75	LS 0 95.1
76	UD 0.247
	*
77	KK CNW74-C
78	KM COMBINE NW74-C AND RNW62-S
79	HC 2
	*
80	KKRCNW74-C
81	KM ROUTE CNW74-C TO 2CNW72-C
82	KM FACILITY = CENTENNIAL PARKWAY CHANNEL WEST/U.S. 95 FACILITY
83	KM FACILITY ID-MILE = CN95 0259
84	KM LINING = RCB
85	RD 1870 0.021 0.015 0 TRAP 16 0
	*
86	KK NW45-S
87	BA 0.272
88	PB 2.91
89	LS 0 95.9
90	UD 0.200
	*

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HEC-1 INPUT

PAGE 3

LINE	ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
91	KK RNW45-S
92	KM ROUTE NW45-S TO CNW72-C
93	KM FACILITY = CENTENNIAL PKWY CHANNEL WEST - KYLE CANYON BRANCH
94	KM FACILITY ID-MILE = CNKC 0050,0024,0007,0000
95	KM LINING = RCB
96	RD 5460 0.03 0.015 0 TRAP 6 0
	*
97	KK NW72-C
98	BA 0.442
99	PB 2.80
100	LS 0 94.1
101	UD 0.290
	*
102	KK CNW72-C
103	KM COMBINE NW72-C AND RNW45-S
104	KM RACEL AND US95
105	HC 2
	*
106	KK2CNW72-C
107	KM COMBINE CNW72-C AND CNW74-C
108	KM RANCHO ROAD SYSTEM @ RACEL
109	HC 2
	*
110	KK RC72-C
111	KM ROUTE 2CNW72-C TO 2CNW71-E
112	KM FACILITY = CENTENNIAL PARKWAY CHANNEL WEST/U.S. 95 FACILITY
113	KM FACILITY ID-MILE = CN95 0257,0218,0199
114	KM LINING = CONCRETE
115	RD 1670 0.008 0.015 0 TRAP 15 0
	*
116	KK NW29-C
117	BA 0.132
118	PB 3.00

119 LS 0 92.4
 120 UD 0.214
 *
 121 KK RNW29-C
 122 KM ROUTE NW29-C TO CNW71-W
 123 KM FACILITY = CENTENNIAL PARKWAY CHANNEL WEST/GRAND TETON BRANCH
 124 KM FACILITY ID-MILE = CNGT 0118
 125 KM LINING = ARCH CON
 126 RD 2100 0.037 0.015 0 TRAP 6 0
 *

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HEC-1 INPUT

PAGE 4

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

127 KK NW71-W
 128 BA 0.104
 129 PB 2.92
 130 LS 0 92.5
 131 UD 0.206
 *
 132 KK CNW71-W
 133 KM COMBINE RDNW29-C AND NW71-W
 134 KM CENTENNIAL PKWY CHANNEL WEST/GRAND TETON BRANCH @ HUALAPAI
 135 HC 2
 *

136 KKRCNW71-W
 137 KM ROUTE CNW71-W TO CNW71-E
 138 KM FACILITY = CENTENNIAL PARKWAY CHANNEL WEST/GRAND TETON BRANCH
 139 KM FACILITY ID-MILE = CNGT 0000,0043
 140 KM LINING = RCB
 141 RD 6270 0.030 0.015 0 TRAP 6 0
 *

142 KK NW71-E
 143 BA 0.238
 144 PB 2.85
 145 LS 0 88.3
 146 UD 0.293
 *

147 KK CNW71-E
 148 KM COMBINE NW71-E AND RCNW71-W
 149 KM CENTENNIAL PKWY CHANNEL WEST/GRAND TETON BRANCH @ US 95
 150 HC 2
 *

151 KK2CNW71-E
 152 KM COMBINE 2CNW72-C AND CNW71-E
 153 KM RANCHO ROAD SYSTEM FLOW @ GRAND TETON
 154 HC 2
 *

155 KK R2C71-E
 156 KM ROUTE 2CNW71-E TO 2CNW89-C
 157 KM FACILITY = CENTENNIAL PARKWAY CHANNEL WEST/U.S. 95 FACILITY
 158 KM FACILITY ID-MILE = CN95 0102,0167
 159 KM LINING = RCB
 160 RD 3290 0.015 0.015 0 TRAP 20 0
 *

161 KK NW28-C
 162 BA 0.357
 163 PB 3.02
 164 LS 0 91.3
 165 UD 0.249
 *

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HEC-1 INPUT

PAGE 5

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

166 KK RNW28-C
 167 KM ROUTE NW28-C TO CNW55-C
 168 KM FARM
 169 RD 4000 0.0325 0.016 0 TRAP 0 50
 *

170 KK NW55-C
 171 BA 0.325
 172 PB 2.93
 173 LS 0 84.4
 174 UD 0.270
 *

175 KK CNW55-C
 176 KM COMBINE NW55-C AND RNW28-C
 177 KM FARM AND GRAND CANYON
 178 HC 2
 *

179 KK DNW55-C

180 KM DIVERT 120 CFS FROM NW55-C TO NW66-C
181 KM IN PROPOSED LOCAL FACILITY
182 DTDCNW66-C
183 DI 0 51 121 500 1000 5000
184 DQ 0 50 120 120 120 120
*

185 KKRDNW55-C
186 KM ROUTE DNW55-C TO CNW89-C
187 KM FARM
188 RD 5500 0.03 0.016 0 TRAP 0 50
*

189 KK NW89-C
190 BA 0.337
191 PB 2.80
192 LS 0 88.9
193 UD 0.243
*

194 KK CNW89-C
195 KM COMBINE NW89-C AND RDNW55-C
196 KM FARM ROAD FLOW @ RANCHO ROAD SYSTEM
197 HC 2
*

198 KK2CNW89-C
199 KM COMBINE CNW89-C AND R2C71-E
200 KM RANCHO ROAD SYSTEM FLOW @ FARM
201 HC 2
*

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HEC-1 INPUT

PAGE 6

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

202 KK R2C89-C
203 KM ROUTE 2CNW89-C TO CNW103-C
204 KM FACILITY = CENTENNIAL PARKWAY CHANNEL WEST/U.S. 95 FACILITY
205 KM FACILITY ID-MILE = CN95 0068
206 KM LINING = RCB
207 RD 3380 0.0212 0.015 0 TRAP 24 0
*

208 KK NW103-C
209 BA 0.389
210 PB 2.80
211 LS 0 90.6
212 UD 0.293
*

213 KKCWNW103-C
214 KM COMBINE NW103-C AND R2C89-C
215 KM RANCHO ROAD SYSTEM @ ELKHORN
216 HC 2
*

217 KK RC103-C
218 KM ROUTE CNW103-C TO CNWBB1-C
219 KM FACILITY = CENTENNIAL PARKWAY CHANNEL WEST/U.S. 95 FACILITY
220 KM FACILITY ID-MILE = CN95 0000
221 KM LINING = CONCRETE
222 RD 1700 0.022 0.015 0 TRAP 22 0
*

223 KK NWBB1-C
224 BA 0.135
225 PB 2.79
226 LS 0 82.2
227 UD 0.268
*

228 KKCWNWBB1-C
229 KM COMBINE NWBB1-C AND RC103-C
230 KM RANCHO ROAD SYSTEM @ DORRELL
231 HC 2
*

232 KKRCWBB1-C
233 KM ROUTE CNWBB1-C TO CNWBB3-C
234 KM FACILITY = CENTENNIAL PARKWAY CHANNEL WEST/U.S. 95 FACILITY
235 KM FACILITY ID-MILE = CN95 0000; CNWE 0304
236 KM LINING = CONCRETE
237 RD 1500 0.022 0.015 0 TRAP 22 0
*

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HEC-1 INPUT

PAGE 7

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

238 KK NWBB3-C
239 BA 0.170
240 PB 2.80
241 LS 0 93.3
242 UD 0.283

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*
243      KKDWWB3-C
244      KM DIVERT 123 CFS FROM NWBB3-C TO NWBC6-C
245      KM IN TWO PROPOSED LOCAL FACILITIES
246      DTDNWBC6-C
247      DI          0      51      124      500      1000      5000
248      DQ          0      50      123      123      123      123
*
249      KKCWWB3-C
250      KM COMBINE DNWB3-C AND RCWBB1-C
251      KM RANCHO ROAD SYSTEM @ DEER SPRINGS
252      HC          2
*
253      KKRCNB3-C
254      KM ROUTE CNBB3-C TO CNWBD2-N
255      KM FACILITY = CENTENNIAL PARKWAY CHANNEL WEST
256      KM FACILITY ID-MILE = CNWE 0304
257      KM LINING = RCB
258      RD      1640  0.017  0.015      0      TRAP      32      0
*
259      KK NWBD2-N
260      BA      0.099
261      PB      2.77
262      LS          0      86.9
263      UD      0.238
*
264      KKCWWBD2-N
265      KM COMBINE NWBD2-N AND RCNB3-C
266      KM RANCHO ROAD - CENTENNIAL PKWY CHANNEL WEST JUNCTION
267      HC          2
*
268      KKRCWBD2-N
269      KM ROUTE CNWBD2-N TO CNWBD2-S
270      KM FACILITY = CENTENNIAL PARKWAY CHANNEL WEST
271      KM FACILITY ID-MILE = CNWE 0304
272      KM LINING = RCB
273      RD          500  0.017  0.015      0      TRAP      32      0
*
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HEC-1 INPUT
PAGE 8
LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
274      KK NWBD2-S
275      BA      0.142
276      PB      2.77
277      LS          0      88.6
278      UD      0.227
*
279      KKDWWBD2-S
280      KM DIVERT OUT 75% CFS FROM NWBD2-S TO NW1C1-W
281      KM REFERENCED FROM "REVISED FINAL DESIGN REPORT -
282      KM RANCHO DETENTION BASIN PHASE II" PREPARED BY VTN (JUNE 2006)
283      KM REFERENCE NODE: DNWBD2-C
284      DTDNW1C1-C
285      DI          0      51      100      500      1000      5000
286      DQ          0      38      75      375      750      3750
*
287      KKCWWBD2-S
288      KM COMBINE DNWBD2-S AND RCWBD2-N
289      KM CENTENNIAL PKWY CHANNEL WEST @ US 95
290      HC          2
*
291      KKRCWBD2-S
292      KM ROUTE CNWBD2-S TO CNW2B2-C
293      KM FACILITY = CENTENNIAL PARKWAY CHANNEL WEST
294      KM FACILITY ID-MILE = CNWE 0304
295      KM LINING = RCB
296      RD      2600  0.017  0.015      0      TRAP      32      0
*
297      KK NW2B2-C
298      BA      0.239
299      PB      2.77
300      LS          0      92.3
301      UD      0.349
*
302      KKCWW2B2-C
303      KM COMBINE NW2B2-C AND RCWBD2-S
304      KM CENTENNIAL PARKWAY CHANNEL WEST @ BUFFALO
305      HC          2
*
306      KKRCW2B2-C
307      KM ROUTE CNW2B2-C TO CNW2D3-C

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308 KM FACILITY = CENTENNIAL PARKWAY CHANNEL WEST
 309 KM FACILITY ID-MILE = CNWE 0274,0277,0287,0301,0304
 310 KM LINING = CONCRETE
 311 RD 2820 0.0045 0.015 0 TRAP 13 2
 *

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HEC-1 INPUT

PAGE 9

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

312 KK NW2A2-C
 313 BA 0.184
 314 PB 2.77
 315 LS 0 83.6
 316 UD 0.298
 *

317 KKRNW2A2-C
 318 KM ROUTE NW2A2-C TO CNW2C3-C
 319 KM DORREL TO TENAYA
 320 RD 3650 0.0123 0.016 0 TRAP 0 50
 *

321 KK NW2A4-C
 322 BA 0.174
 323 PB 2.77
 324 LS 0 81.5
 325 UD 0.320
 *

326 KKRNW2A4-C
 327 KM ROUTE NW2A4-C TO CNW2C3-C
 328 KM DEER SPRINGS
 329 RD 2600 0.018 0.016 0 TRAP 0 50
 *

330 KK NW2C3-C
 331 BA 0.229
 332 PB 2.77
 333 LS 0 79.1
 334 UD 0.365
 *

335 KKCW2C3-C
 336 KM COMBINE NW2C3-C, RNW2A4-C AND RNW2A2-C
 337 KM DEER SPRINGS AND TENAYA
 338 HC 3
 *

339 KKRCW2C3-C
 340 KM ROUTE CNW2C3-C TO CNW2D3-C
 341 KM TENAYA
 342 RD 2500 0.004 0.016 0 TRAP 0 50
 *

343 KK NW2D3-C
 344 BA 0.231
 345 PB 2.77
 346 LS 0 82.6
 347 UD 0.396
 *

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HEC-1 INPUT

PAGE 10

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

348 KKCW2D3-C
 349 KM COMBINE NW2D3-C, RCW2C3-C AND RCW2B2-C
 350 KM CENTENNIAL PARKWAY CHANNEL WEST @ TENAYA
 351 HC 3
 *

352 KKRCW2D3-C
 353 KM ROUTE CNW2D3-C TO CNW2D4-C
 354 KM FACILITY = CENTENNIAL PARKWAY CHANNEL WEST
 355 KM FACILITY ID-MILE = CNWE 0226,0251,0271
 356 KM LINING = CONCRETE
 357 RD 2485 0.01 0.015 0 TRAP 12 2
 *

358 KK NW2C4-C
 359 BA 0.250
 360 PB 2.77
 361 LS 0 79.6
 362 UD 0.406
 *

363 KKRNW2C4-C
 364 KM ROUTE NW2C4-C TO CNW2D4-C
 365 KM RAINBOW
 366 RD 2500 0.004 0.016 0 TRAP 0 50
 *

367 KK NW2D4-C
 368 BA 0.245

369 PB 2.77
 370 LS 0 79.7
 371 UD 0.408
 *

 372 KKCNW2D4-C
 373 KM COMBINE NW2D4-C, RNW2C4-C AND RCW2D3-C
 374 KM CENTENNIAL PARKWAY CHANNEL WEST @ RAINBOW
 375 HC 3
 *

 376 KKRCW2D4-C
 377 KM ROUTE CNW2D4-C TO CNW3B3-C
 378 KM FACILITY = CENTENNIAL PARKWAY CHANNEL WEST
 379 KM FACILITY ID-MILE = CNWE 0173,0176,0189
 380 KM LINING = CONCRETE
 381 RD 2830 0.005 0.015 0 TRAP 32 0
 *

 382 KK NW3A2-C
 383 BA 0.252
 384 PB 2.77
 385 LS 0 77.1
 386 UD 0.406
 *

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HEC-1 INPUT

PAGE 11

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

387 KKRNW3A2-C
 388 KM ROUTE NW3A2-C TO CNW3B3-C
 389 KM 180 CFS IS ASSUMED IN 60" RCP PER "ELKHORN PONDEROSA II -
 390 KM TORREY PINES DRIVE STORM DRAIN & SEWER MAIN"
 391 KM IMPROVEMENT PLANS PREPARED BY ALPHA (1/24/06)
 392 KM REMAINING FLOW ROUTED SOUTH ON TORREY PINES
 393 RD 2650 0.003 0.016 0 TRAP 0 50
 *

 394 KK NW3B3-C
 395 BA 0.244
 396 PB 2.77
 397 LS 0 77.7
 398 UD 0.403
 *

 399 KKCNW3B3-C
 400 KM COMBINE RCW2D4-C, RNW3A2-C AND NW3B3-C
 401 KM CENTENNIAL PARKWAY CHANNEL WEST @ TORREY PINES
 402 HC 3
 *

 403 KKRCW3B3-C
 404 KM ROUTE CNW3B3-C TO NW3B4-C
 405 KM FACILITY = CENTENNIAL PARKWAY CHANNEL WEST
 406 KM FACILITY ID-MILE = CNWE 0122,0123,0129,0150
 407 KM LINING = RCB
 408 RD 2537 0.004 0.015 0 TRAP 54 0
 *

 409 KK NW3A4-C
 410 BA 0.255
 411 PB 2.77
 412 LS 0 79.6
 413 UD 0.406
 *

 414 KKRNW3A4-C
 415 KM ROUTE NW3A4-C TO CNW3B4-C
 416 KM LOCAL FACILITY
 417 KM JONES BLVD
 418 KM LINING = RCP
 419 RD 2763 0.003 0.013 0 CIRC 4.5 0
 *

 420 KK NW3B4-C
 421 BA 0.252
 422 PB 2.77
 423 LS 0 80.2
 424 UD 0.408
 *

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HEC-1 INPUT

PAGE 12

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

425 KKCNW3B4-C
 426 KM COMBINE NW3B4-C AND RNW3A4-C
 427 KM JONES FLOW @ CENTENNIAL PARKWAY CHANNEL WEST
 428 HC 2
 *

 429 KK2CW3B4-C
 430 KM COMBINE CNW3B4-C AND RCW3B3-C
 431 KM CENTENNIAL PARKWAY CHANNEL WEST @ JONES

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432      HC          2
      *

433      KKRCW3B4-C
434      KM ROUTE 2CW3B4-C TO CNW3D3-C
435      KM FACILITY = CENTENNIAL PARKWAY CHANNEL WEST
436      KM FACILITY ID-MILE = CNWE 0070,0071,0075,0110
437      KM LINING = CONCRETE
438      RD 2720 0.004 0.015 0 TRAP 56 0
      *

439      KK NW3D3-C
440      BA 0.257
441      PB 2.77
442      LS 0 86.0
443      UD 0.394
      *

444      KKCNW3D3-C
445      KM COMBINE NW3D3-C AND RCW3B4-C
446      KM CENTENNIAL PARKWAY CHANNEL WEST @ BRADLEY
447      HC 2
      *

448      KKRCW3D3-C
449      KM ROUTE CNW3D3-C TO 2C3D4-C
450      KM FACILITY = CENTENNIAL PARKWAY CHANNEL WEST
451      KM FACILITY ID-MILE = CNWE 0000,0005,0020,0026,0045
452      KM LINING = CONCRETE
453      RD 3720 0.006 0.015 0 TRAP 54 0
      *

454      KK NW129-C
455      BA 0.145
456      PB 2.77
457      LS 0 83.9
458      UD 0.288
      *

459      KKRNW129-C
460      KM ROUTE NW129-C TO CNW148-C
461      KM FACILITY = TULE SPRINGS DRAINAGE SYSTEM
462      KM FACILITY ID-MILE = TSDB 0059
463      KM LINING = RCP
464      RD 3530 0.0103 0.013 0 CIRC 6.5 0
      *

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      HEC-1 INPUT
      PAGE 13

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

465      KK NW130-E
466      BA 0.246
467      PB 2.77
468      LS 0 84.9
469      UD 0.383
      *

470      KKRNW130-E
471      KM ROUTE NW130-E TO CNW148-C
472      KM FACILITY = TULE SPRINGS DRAINAGE SYSTEM
473      KM FACILITY ID-MILE = TSDB 0059
474      KM LINING = RCP
475      RD 1365 0.0103 0.013 0 CIRC 6.5 0
      *

476      KK NW148-C
477      BA 0.133
478      PB 2.77
479      LS 0 78.1
480      UD 0.367
      *

481      KKCNW148-C
482      KM COMBINE NW148-C, RNW129-C AND RNW130-E
483      KM LOG CABIN AND BUFFALO
484      HC 3
      *

485      KKRCW148-C
486      KM ROUTE CNW148-C TO CTULEDB
487      KM FACILITY = TULE SPRINGS DRAINAGE SYSTEM
488      KM FACILITY ID-MILE = TSDB 0023,0012
489      KM LINING = RCP
490      RD 1580 0.008 0.013 0 CIRC 7 0
      *

491      KK NW116-C
492      BA 0.125
493      PB 2.77
494      LS 0 81.1
495      UD 0.254
      *

496      KKRNW116-C

```

497 KM ROUTE NW116-C TO CNW128
 498 RD 5800 0.013 0.016 0 TRAP 0 50
 *
 499 KK NW128
 500 BA 0.451
 501 PB 2.77
 502 LS 0 76.2
 503 UD 0.351
 *

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HEC-1 INPUT

PAGE 14

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

504 KK CNW128
 505 KM COMBINE NW128 AND RNW116-C
 506 HC 2
 *
 507 KK NW157
 508 BA 0.254
 509 PB 2.77
 510 LS 0 81.7
 511 UD 0.361
 *

512 KK CTULEDB
 513 KM COMBINE RCW148-C, CNW128 AND NW157
 514 HC 3
 *

515 KK TULEDB
 516 KM FACILITY = NORTH ENVIRONMENTAL ENHANCEMENT AREA
 517 KM FACILITY ID-MILE = TSDB 0011
 518 KM STORAGE VOLUME = 117 AC-FT
 519 KM OUTLET = 36" OUTFLOW PIPE WITH 22" ORIFICE PLATE
 520 KM 100-YEAR DISCHARGE = 29 CFS
 521 KM SPILLWAY LENGTH = 2,050 FT
 522 KM SPILLWAY HEIGHT =
 523 KM SPILLWAY CREST ELEVATION = 2434 FT
 524 KM SPILLWAY TYPE =
 525 KM PMF DISCHARGE = 14,013 CFS
 526 KM TOP OF EMBANKMENT ELEVATION = 2,436.7 FT
 527 KM REFERENCED FROM HYDROLOGIC MODEL FOR FLOYD LAMB
 528 KM NORTH AND SOUTH ENVIRONMENTAL ENHANCEMENT AREAS
 529 KM PREPARED BY LOUIS BERGER DATED DECEMBER 7, 2007
 530 RS 1.00 STOR 0
 * K01
 531 SV 0.0 0.8 6.0 22.2 46.9 77.9 117.4 170.0 222.8
 532 SE 2428 2429 2430 2431 2432 2433 2434 2435 2436
 533 SQ 0.0 0.8 14.3 19.9 24.2 27.8 31.0 6184.0 17431.5
 *

534 KK RTULEDB
 535 KM ROUTE TULEDB TO CNW147E
 536 KM FACILITY = TULE SPRINGS DRAINAGE SYSTEM
 537 KM FACILITY ID-MILE = TSDB 0000,0002
 538 KM LINING = RCP
 539 RD 420 0.0033 0.013 0 CIRC 3 0
 *

540 KK NW147-E
 541 BA 0.182
 542 PB 2.77
 543 LS 0 77.6
 544 UD 0.309
 *

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HEC-1 INPUT

PAGE 15

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

545 KK CNW147E
 546 KM COMBINE RTULEDB AND NW147-E
 547 KM IRON MOUNTAIN AND BUFFALO
 548 HC 2
 *

549 KK RCW147E
 550 KM ROUTE CNW147E TO 2CW144E
 551 KM FACILITY = MOUNTAIN SPA/VISTA RANCH
 552 KM FACILITY ID-MILE = MSNV 0125
 553 KM LINING = GRASS
 554 RD 1300 0.004 0.03 0 TRAP 100 10
 *

555 KK NW62-N
 556 BA 0.127
 557 PB 2.77
 558 LS 0 92.9
 559 UD 0.204
 *

560 KK RNW62-N

561 KM ROUTE NW62-N TO CNW78-C
562 KM IRON MOUNTAIN ROAD
563 RD 1380 0.0287 0.016 0 TRAP 0 50
*
564 KK NW78-C
565 BA 0.114
566 PB 2.77
567 LS 0 95.2
568 UD 0.176
*
569 KK CNW78-C
570 KM COMBINE NW78-C AND RNW62-N
571 KM TEE PEE AND IRON MOUNTAIN
572 HC 2
*
573 KK DNW78-C
574 KM DIVERT OUT 94 CFS ON IRON MOUNTAIN ROAD
575 KM REFERENCED FROM "RESPONSE TO COMMENTS ON THE TECHNICAL
576 KM DRAINAGE STUDY FOR KYLE CANYON MASTER DRAINAGE STUDY"
577 KM BY G.C.WALLACE DATED DECEMBER 15, 2006
578 KM REFERENCE NODE: DECP29
579 DT DNW96-C
580 DI 0 94 1000
581 DQ 0 94 94
*

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HEC-1 INPUT

PAGE 16

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

582 KK RCW78-C
583 KM ROUTE NW78-C TO CNW100-W
584 KM REFERENCED FROM "RESPONSE TO COMMENTS ON THE TECHNICAL
585 KM DRAINAGE STUDY FOR KYLE CANYON MASTER DRAINAGE STUDY"
586 KM BY G.C.WALLACE DATED DECEMBER 15, 2006
587 KM FACILITY = MOCCASIN - FORT APACHE BRANCH
588 KM FACILITY ID-MILE = MOFA 0053
589 KM LINING = RCB
590 RD 4050 0.0025 0.015 0 TRAP 10 0
*
591 KK NW100-W
592 BA 0.219
593 PB 2.77
594 LS 0 94.9
595 UD 0.258
*
596 KKCWN100-W
597 KM COMBINE NW100-W AND RCW78-C
598 KM LOG CABIN AND FORT APACHE
599 HC 2
*
600 KKDNW100-W
601 KM DIVERT FLOW=40 CFS(EAST IN OHARE)+125(EAST IN LOG CABIN)
602 KM TOTAL FLOW IS 165 CFS TOWARDS NW115-C
603 KM REFERENCED FROM "RESPONSE TO COMMENTS ON THE TECHNICAL
604 KM DRAINAGE STUDY FOR KYLE CANYON MASTER DRAINAGE STUDY"
605 KM BY G.C.WALLACE DATED DECEMBER 15, 2006
606 KM REFERENCE NODE: DECP31 AND DECP36
607 DT DNW64-E
608 DI 0 200 300 500 1000 5000
609 DQ 0 35 135 335 835 4835
*
610 KKRDW100-W
611 KM ROUTE DNW100-W TO CNW115-C
612 KM DIVERTED FLOW IN OHARE = 40 CFS
613 KM DIVERTED FLOW IN LOG CABIN = 125 CFS
614 KM DIVERSION THROUGH TWO ROADS IS COMBINED
615 KM ROUTING 165 CFS ON LOG CABIN TO THE
616 KM INTERSECTION BETWEEN EL CAPITAN AND OHARE
617 RD 4300 0.015 0.016 0 TRAP 0 50
*
618 KK NW115-C
619 BA 0.210
620 PB 2.77
621 LS 0 87.0
622 UD 0.277
*

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HEC-1 INPUT

PAGE 17

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

623 KKCWN115-C
624 KM COMBINE RDW100-W AND NW115-C
625 KM EL CAPITAN AND OHARE
626 HC 2
*

627 KKRCW115-C
 628 KM ROUTE CNW115-C TO CNW96-C
 629 KM FACILITY = BRENT DRAINAGE SYSTEM
 630 KM FACILITY ID-MILE = BRDB 0157
 631 KM LINING = RCB
 632 RD 2300 0.0025 0.015 0 TRAP 12 0
 *

 633 KK DNW96-C
 634 KM RETRIEVE DNW96-C
 635 DR DNW96-C
 *

 636 KK RDW96-C
 637 KM ROUTE DNW96-C TO CNW96-C
 638 KM IRON MOUNTAIN ROAD
 639 RD 4050 0.028 0.016 0 TRAP 0 50
 *

 640 KKR2DW96-C
 641 KM ROUTE DNW96-C TO CNW96-C
 642 KM FACILITY = BRENT DRAINAGE SYSTEM
 643 KM FACILITY ID-MILE = BRDB 0157
 644 KM LINING = RCB
 645 RD 1260 0.0025 0.015 0 TRAP 12 0
 *

 646 KK NW96-C
 647 BA 0.279
 648 PB 2.77
 649 LS 0 87.5
 650 UD 0.255
 *

 651 KK CNW96-C
 652 KM COMBINE RCW115-C, R2DW96-C AND NW96-C
 653 KM E1 CAPITAN AND BRENT
 654 HC 3
 *

 655 KK NW75-C
 656 BA 0.444
 657 PB 2.77
 658 LS 0 91.8
 659 UD 0.353
 *

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HEC-1 INPUT

PAGE 18

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

660 KK DNW75-C
 661 KM TAKE 61 CFS TOWARDS BASIN NW96-C
 662 KM REFERENCED FROM THE HYDROLOGIC MODEL FOR FLOYD LAMB
 663 KM NORTH AND SOUTH ENVIRONMENTAL ENHANCEMENT AREAS
 664 KM PREPARED BY LOUIS BERGER DATED DECEMBER 7, 2007
 665 KM REMAINING FLOW ENTERS THE RACO STORM DRAIN
 666 DT DNW111S
 667 DI 0 200 300 500 1000 5000
 668 DQ 0 139 239 439 939 4939
 *

 669 KK RDW75-C
 670 KM ROUTE DNW75-C TO 2CNW96-C
 671 KM BRENT
 672 RD 2600 0.028 0.016 0 TRAP 0 50
 *

 673 KK2CNW96-C
 674 KM COMBINE CNW96-C AND DNW75-C
 675 KM E1 CAPITAN AND BRENT
 676 HC 2
 *

 677 KKR2CW96-C
 678 KM ROUTE 2CNW96-C TO CNW113-C
 679 KM FACILITY = BRENT DRAINAGE SYSTEM
 680 KM FACILITY ID-MILE = BRDB 0107
 681 KM LINING = RCB
 682 RD 2660 0.024 0.015 0 TRAP 8 0
 *

 683 KK NW113-C
 684 BA 0.189
 685 PB 2.77
 686 LS 0 86.8
 687 UD 0.271
 *

 688 KKCWN113-C
 689 KM COMBINE NW113-C AND R2CW96-C
 690 HC 2
 *

691 KKRCW113-C
 692 KM ROUTE CNW113-C TO CNW147W
 693 KM FACILITY = BRENT DRAINAGE SYSTEM
 694 KM FACILITY ID-MILE = BRDB 0043
 695 KM LINING = RCB
 696 RD 2920 0.021 0.015 0 TRAP 8 0
 *

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HEC-1 INPUT

PAGE 19

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

697 KK NW114-C
 698 BA 0.169
 699 PB 2.77
 700 LS 0 81.9
 701 UD 0.249
 *

702 KKRNW114-C
 703 KM ROUTE NW114-C TO CNW147W
 704 KM NATURAL CHANNEL
 705 RD 2800 0.019 0.03 0 TRAP 50 3
 *

706 KK NW147W
 707 BA 0.106
 708 PB 2.77
 709 LS 0 80.6
 710 UD 0.208
 *

711 KK CNW147W
 712 KM COMBINE RCW113-C, RNW114-C AND NW147W
 713 HC 3
 *

714 KK NW144W
 715 BA 0.310
 716 PB 2.77
 717 LS 0 81.3
 718 UD 0.257
 *

719 KK CNW144W
 720 KM COMBINE NW144W AND CNW147W
 721 HC 2
 *

722 KK DNW111S
 723 KM RETRIEVE DNW111S
 724 DR DNW111S
 *

725 KKRDW111S
 726 KM ROUTE DNW111S TO CNW111S
 727 KM FACILITY = RACEL STREET COLLECTOR
 728 KM FACILITY ID-MILE = RACO 0001,0064
 729 KM LINING = RCP
 730 RD 4800 0.0209 0.013 0 CIRC 6.5 0
 *

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HEC-1 INPUT

PAGE 20

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

731 KK NW111S
 732 BA 0.108
 733 PB 2.77
 734 LS 0 85.6
 735 UD 0.278
 *

736 KK CNW111S
 737 KM COMBINE RDNW111S AND NW111S
 738 HC 2
 *

739 KK RNW111S
 740 KM ROUTE CNW111S TO CNW111N
 741 KM FACILITY = RACEL STREET COLLECTOR
 742 KM FACILITY ID-MILE = RACO 0000,0001
 743 KM LINING = RCP
 744 RD 1149 0.024 0.013 0 CIRC 6.5 0
 *

745 KK NW111N
 746 BA 0.208
 747 PB 2.77
 748 LS 0 81.6
 749 UD 0.322
 *

750 KK CNW111N
 751 KM COMBINE RNW111S AND NW111N

752 HC 2
 *
 753 KK CBRDB
 754 KM COMBINE CNW144W AND CNW111N
 755 HC 2
 *
 756 KK BRDB
 757 KM FACILITY = SOUTH ENVIRONMENTAL ENHANCEMENT AREA
 758 KM FACILITY ID MILE = BRDB 0032
 759 KM STORAGE VOLUME = 450 AC-FT
 760 KM OUTLET = 36" RCP WITH 18" ORIFICE PLATE
 761 KM 100-YEAR DISCHARGE = 43 CFS
 762 KM SPILLWAY LENGTH = 3,550 FT
 763 KM SPILLWAY HEIGHT =
 764 KM SPILLWAY CREST ELEVATION = 2455 FT
 765 KM SPILLWAY TYPE =
 766 KM PMF DISCHARGE = 45,080 CFS
 767 KM TOP OF EMBANKMENT ELEVATION = 2,458.6 FT
 768 KM SMALL FOOTPRINT WITH NO SPILLING
 769 KM REFERENCED FROM HYDROLOGIC MODEL FOR FLOYD LAMB
 770 KM NORTH AND SOUTH ENVIRONMENTAL ENHANCEMENT AREAS
 771 KM PREPARED BY LOUIS BERGER DATED DECEMBER 7, 2007
 772 RS 1 STOR 0
 * KO1

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HEC-1 INPUT

PAGE 21

LINE	ID	1	2	3	4	5	6	7	8	9	10
773	SV	0.0	3.1	7.3	14.4	28.4	48.8	72.4	98.9	128.5	162.6
774	SV	203.2	247.7	295.2	345.1	397.0	450.6	514.1	577.0	641.1	
775	SE	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449
776	SE	2450	2451	2452	2453	2454	2455	2456	2457	2458	
777	SQ	0.9	26.1	27.7	29.2	30.6	31.9	33.2	34.5	35.7	36.9
778	SQ	38.0	39.1	40.2	41.2	42.3	43.2	10694.2	30167.9	55385.1	

779 KK RBRDB
 780 KM ROUTE BRDB TO CNW144E
 781 KM FACILITY = BRENT DRAINAGE SYSTEM
 782 KM FACILITY ID MILE = BRDB 0000
 783 KM LINING = RCP
 784 RD 2170 0.004 0.013 0 CIRC 3 0
 *

785 KK NW144E
 786 BA 0.103
 787 PB 2.77
 788 LS 0 83.9
 789 UD 0.294
 *

790 KK CNW144E
 791 KM COMBINE RBRDB AND NW144E
 792 HC 2
 *

793 KK 2CW144E
 794 KM COMBINE RCW147E AND CNW144E
 795 HC 2
 *

796 KK RCW144E
 797 KM ROUTE 2CW144E TO CNW155C
 798 KM FACILITY = MOUNTAIN SPA/VISTA RANCH
 799 KM FACILITY ID MILE = MSNV 0005
 800 KM LINING = GRASS
 801 RD 4280 0.004 0.03 0 TRAP 100 10
 *

802 KK NW155-C
 803 BA 0.439
 804 PB 2.77
 805 LS 0 79.4
 806 UD 0.381
 *

807 KKCNW155-C
 808 KM MODIFIED BY LOUIS BERGER NOV 2006
 809 KM COMBINE RCW144E AND NW155-C
 810 HC 2
 *

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HEC-1 INPUT

PAGE 22

LINE	ID	1	2	3	4	5	6	7	8	9	10
811	KKRCW155-C										
812	KM	ROUTE CNW155-C TO CNW163-C									
813	KM	FACILITY = MOUNTAIN SPA/VISTA RANCH									
814	KM	FACILITY ID-MILE = MSNV 0005,0000									
815	KM	LINING = GRASS									
816	RD	2320	0.004	0.03	0	TRAP	100	10			

881 KM LINING = RCB
 882 RD 4220 0.01 0.015 0 TRAP 11 0
 *

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HEC-1 INPUT

PAGE 24

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

883 KK 2C163-C
 884 KM COMBINE CNW163-C AND RCW138-C
 885 KM LAS VEGAS WASH MIDDLE @ GRAND TETON
 886 HC 2
 *
 887 KKR2C163-C
 888 KM ROUTE 2C163-C TO CNW162-C
 889 KM FACILITY = LAS VEGAS WASH MIDDLE
 890 KM FACILITY ID-MILE = LVMD 2599
 891 KM LINING = CONCRETE
 892 RD 1577 0.004 0.015 0 TRAP 30 2
 *

893 KK NW162-C
 894 BA 0.249
 895 PB 2.77
 896 LS 0 79.5
 897 UD 0.436
 *

898 KKCWN162-C
 899 KM COMBINE NW162-C AND R2C163-C
 900 KM LAS VEGAS WASH MIDDLE @ GILCREASE
 901 HC 2
 *

902 KKRCW162-C
 903 KM ROUTE CNW162-C TO CD161-C
 904 KM FACILITY = LAS VEGAS WASH MIDDLE
 905 KM FACILITY ID-MILE = LVMD 2574
 906 KM LINING = RCB
 907 RD 1430 0.006 0.015 0 TRAP 21 0
 *

908 KK NW161-C
 909 BA 0.329
 910 PB 2.77
 911 LS 0 80.4
 912 UD 0.465
 *

913 KKDNW161-C
 914 KM DIVERT 70 CFS FROM NW161-C TO NW150-C
 915 KM IN PROPOSED LOCAL FACILITY
 916 DTDNW150-C
 917 DI 0 51 71 500 1000 5000
 918 DQ 0 50 70 70 70 70
 *

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HEC-1 INPUT

PAGE 25

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

919 KK CD161-C
 920 KM COMBINE DNW161-C AND RCW162-C
 921 KM LAS VEGAS WASH MIDDLE @ FARM
 922 HC 2
 *
 923 KKRC161-C
 924 KM ROUTE CD161-C TO CCW150-C
 925 KM FACILITY = LAS VEGAS WASH MIDDLE
 926 KM FACILITY ID-MILE = LVMD 2550
 927 KM LINING = RCB
 928 RD 1445 0.004 0.015 0 TRAP 21 0
 *

929 KK NW134-C
 930 BA 0.464
 931 PB 2.77
 932 LS 0 87.1
 933 UD 0.431
 *

934 KK NW133-C
 935 BA 0.377
 936 PB 2.77
 937 LS 0 86.4
 938 UD 0.507
 *

939 KKCWN133-C
 940 KM COMBINE NW133-C AND NW134-C
 941 KM BUFFALO AND SEVERANCE
 942 HC 2
 *

943 KKEKKBASIN
 944 KM FACILITY = ELKHORN SPRINGS DETENTION BASIN
 945 KM FACILITY ID-MILE = EKDB 0070
 946 KM STORAGE VOLUME = 48 ACRE-FEET
 947 KM OUTLET = 60" RCP
 948 KM SPILLWAY LENGTH =
 949 KM SPILLWAY HEIGHT =
 950 KO 3
 951 RS 1 STOR -1
 952 SA 3.32 3.65 3.98 4.32 4.67 5.03 5.4
 953 SE 2388 2390 2392 2394 2396 2398 2400
 954 SQ 0 35.5 66 86.4 102.8 116.9 129.5
 *

955 KK RELKDB
 956 KM ROUTE ELKBASIN TO CRD150-C
 957 KM FACILITY = ELKHORN SPRINGS DETENTION BASIN
 958 KM FACILITY ID-MILE = EKDB 0049,0026,0025
 959 KM LINING = RCP
 960 RD 2525 0.001 0.013 0 CIRC 5 0
 *

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HEC-1 INPUT

PAGE 26

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

961 KKDNW150-C
 962 KM RETRIEVE DNW150-C
 963 DRDNW150-C
 *
 964 KK RD150-C
 965 KM ROUTE DNW150-C TO NW150-C
 966 KM TENAYA
 967 RD 1300 0.004 0.016 0 TRAP 0 50
 *

968 KKCRD150-C
 969 KM COMBINE RD150-C AND RELKDB
 970 KM SEVERANCE AND TENAYA
 971 HC 2
 *

972 KK RCRD150
 973 KM ROUTE CRD150-C TO CNW150-C
 974 KM FACILITY = ELKHORN SPRINGS DETENTION BASIN
 975 KM FACILITY ID-MILE = EKDB 0000
 976 KM LINING = GRASS
 977 RD 2575 0.004 0.03 0 TRAP 15 3.5
 *

978 KK NW150-C
 979 BA 0.244
 980 PB 2.77
 981 LS 0 77.9
 982 UD 0.472
 *

983 KKCNW150-C
 984 KM COMBINE NW150-C AND RCRD150
 985 KM RAINBOW BLVD AND SEVERENCE
 986 HC 2
 *

987 KKCCW150-C
 988 KM COMBINE CNW150-C AND RCD161-C
 989 KM ELKHORN AND TENAYA
 990 HC 2
 *

991 KKRCW150-C
 992 KM ROUTE CNW150-C TO CCNW159-C
 993 KM FACILITY = LAS VEGAS WASH MIDDLE
 994 KM FACILITY ID-MILE = LVMD 2525
 995 KM LINING = RCB
 996 RD 1140 0.004 0.015 0 TRAP 21 0
 *

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HEC-1 INPUT

PAGE 27

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

997 KK NW159-C
 998 BA 0.249
 999 PB 2.77
 1000 LS 0 78.8
 1001 UD 0.456
 *

1002 KKCNW159-C
 1003 KM COMBINE NW159-C AND RCW150-C
 1004 KM LAS VEGAS WASH MIDDLE @ ELKHORN AND RAINBOW
 1005 HC 2
 *

1006 KKRCW159-C
 1007 KM ROUTE CNW159 TO CNW168-C
 1008 KM FACILITY = LAS VEGAS WASH MIDDLE
 1009 KM FACILITY ID-MILE = LVMD 2507
 1010 KM LINING = RCB
 1011 RD 2830 0.004 0.015 0 TRAP 26 0
 *

1012 KK NW172-C
 1013 BA 0.272
 1014 PB 2.77
 1015 LS 0 82.3
 1016 UD 0.417
 *

1017 KKRNW172-C
 1018 KM ROUTE NW172-C TO CNW170-C
 1019 KM TORREY PINES
 1020 RD 2600 0.0069 0.016 0 TRAP 0 50
 *

1021 KK NW170-C
 1022 BA 0.254
 1023 PB 2.77
 1024 LS 0 81.8
 1025 UD 0.406
 *

1026 KKCNW170-C
 1027 KM COMBINE NW170-C AND RNW172-C
 1028 KM FARM AND TORREY PINES
 1029 HC 2
 *

1030 KK RC170-C
 1031 KM ROUTE CNW170-C TO CNW168-C
 1032 KM TORREY PINES
 1033 RD 2600 0.004 0.016 0 TRAP 0 50
 *

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HEC-1 INPUT

PAGE 28

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

1034 KK NW168-C
 1035 BA 0.254
 1036 PB 2.77
 1037 LS 0 80.1
 1038 UD 0.408
 *

1039 KKCNW168-C
 1040 KM COMBINE NW168-C, RC170-C AND RCW159-C
 1041 KM LAS VEGAS WASH MIDDLE @ TORREY PINES
 1042 HC 3
 *

1043 KK RC168-C
 1044 KM ROUTE CNW168-C TO 2C178-C
 1045 KM FACILITY = LAS VEGAS WASH MIDDLE
 1046 KM FACILITY ID-MILE = LVMD 2490
 1047 KM LINING = RCB
 1048 RD 2555 0.004 0.015 0 TRAP 26 0
 *

1049 KK NW180-C
 1050 BA 0.300
 1051 PB 2.77
 1052 LS 0 81.0
 1053 UD 0.475
 *

1054 KKRNW180-C
 1055 KM ROUTE NW180-C TO CNW178-C
 1056 KM FACILITY = LAS VEGAS WASH JONES
 1057 KM FACILITY ID-MILE = LVMJ 0000
 1058 KM LINING = RCP
 1059 RD 1280 0.004 0.013 0 CIRC 5 0
 *

1060 KK NW178-C
 1061 BA 0.203
 1062 PB 2.77
 1063 LS 0 82.5
 1064 UD 0.406
 *

1065 KKCNW178-C
 1066 KM COMBINE NW178-C AND RNW180-C
 1067 KM LAS VEGAS WASH-JONES FLOW @ LAS VEGAS WASH MIDDLE
 1068 HC 2
 *

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HEC-1 INPUT

PAGE 29

LINE	ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
1069	KK 2C178-C
1070	KM COMBINE CNW178-C AND RC168-C
1071	KM LAS VEGAS WASH MIDDLE @ JONES
1072	HC 2
	*
1073	KK RC178-C
1074	KM ROUTE 2C178-C TO CNW188-C
1075	KM FACILITY = LAS VEGAS WASH MIDDLE
1076	KM FACILITY ID-MILE = LVMD 2443
1077	KM LINING = RCB
1078	RD 2600 0.004 0.015 0 TRAP 26 0
	*
1079	KK NW188-C
1080	BA 0.246
1081	PB 2.77
1082	LS 0 83.6
1083	UD 0.394
	*
1084	KKCNW188-C
1085	KM COMBINE NW188-C AND RC178-C
1086	KM LAS VEGAS WASH MIDDLE @ BRADLEY
1087	HC 2
	*
1088	KK RC188-C
1089	KM ROUTE CNW188-C TO 2C198-C
1090	KM FACILITY = LAS VEGAS WASH MIDDLE
1091	KM FACILITY ID-MILE = LVMD 2443
1092	KM LINING = RCB
1093	RD 2550 0.004 0.015 0 TRAP 26 0
	*
1094	KK NW190-C
1095	BA 0.218
1096	PB 2.77
1097	LS 0 84.6
1098	UD 0.383
	*
1099	KKRNW190-C
1100	KM ROUTE NW190-C TO CNW200-C
1101	KM FARM
1102	RD 2600 0.004 0.016 0 TRAP 0 50
	*
1103	KK NW200-C
1104	BA 0.226
1105	PB 2.77
1106	LS 0 87.6
1107	UD 0.400
	*

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HEC-1 INPUT

PAGE 30

LINE	ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
1108	KKCNW200-C
1109	KM COMBINE NW200-C AND RNW190-C
1110	KM FARM AND DECATUR
1111	HC 2
	*
1112	KK RC200-C
1113	KM ROUTE CNW200-C TO CNW198-C
1114	KM FACILITY = LAS VEGAS WASH DECATUR
1115	KM FACILITY ID-MILE = LVDE 0000, 0003, 0027
1116	KM LINING = RCP
1117	RD 2698 0.005 0.013 0 CIRC 7 0
	*
1118	KK NW198-C
1119	BA 0.249
1120	PB 2.77
1121	LS 0 88.3
1122	UD 0.400
	*
1123	KKCNW198-C
1124	KM COMBINE NW198-C AND RC200-C
1125	KM LAS VEGAS WASH-DECATUR @ LAS VEGAS WASH MIDDLE
1126	HC 2
	*
1127	KK 2C198-C
1128	KM COMBINE CNW198-C AND RC188-C
1129	KM LAS VEGAS WASH MIDDLE @ DECATUR
1130	HC 2
	*

1131 KK RC198-C
 1132 KM ROUTE 2C198-C TO CNW3C2-C
 1133 KM FACILITY = LAS VEGAS WASH MIDDLE
 1134 KM FACILITY ID-MILE = LVMD 2324
 1135 KM LINING = RCB
 1136 RD 2730 0.004 0.015 0 TRAP 28 0
 *
 1137 KK NW3C2-C
 1138 BA 0.495
 1139 PB 2.77
 1140 LS 0 83.6
 1141 UD 0.550
 *
 1142 KKCWN3C2-C
 1143 KM COMBINE NW3C2-C AND RC198-C
 1144 KM LAS VEGAS WASH MIDDLE @ DEER SPRINGS
 1145 HC 2
 *

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HEC-1 INPUT

PAGE 31

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

1146 KK RC3C2-C
 1147 KM ROUTE CNW3C2-C TO CNW3D4-C
 1148 KM FACILITY = LAS VEGAS WASH MIDDLE
 1149 KM FACILITY ID-MILE = LVMD 2324
 1150 KM LINING = RCB
 1151 RD 2735 0.004 0.015 0 TRAP 28 0
 *
 1152 KK NW3D4-C
 1153 BA 0.256
 1154 PB 2.77
 1155 LS 0 88.2
 1156 UD 0.417
 *
 1157 KKCWN3D4-C
 1158 KM COMBINE NW3D4-C AND RC3C2-C
 1159 KM LAS VEGAS MIDDLE FLOW U/S CENTENNIAL PKWY CHANNEL WEST
 1160 HC 2
 *

1161 KK RC3D4-C
 1162 KM ROUTE CNW3D4-C TO 2C3D4-C
 1163 KM FACILITY = LAS VEGAS WASH MIDDLE
 1164 KM FACILITY ID-MILE = LVMD 2322
 1165 KM LINING = RCB
 1166 RD 1200 0.015 0.015 0 TRAP 49 0
 *
 1167 KK 2C3D4-C
 1168 KM COMBINE RC3D4-C AND RCW3D3-C
 1169 KM LAS VEGAS WASH MIDDLE @ CENTENNIAL PKWY CHANNEL WEST
 1170 HC 2
 *
 1171 KK RC3D4-C
 1172 KM ROUTE 2C3D4-C TO CNN011-C
 1173 KM FACILITY = LAS VEGAS WASH MIDDLE
 1174 KM FACILITY ID-MILE = LVMD 2266,2276,2294,2300,2304,2308
 1175 KM LINING = CONCRETE
 1176 RD 2752 0.01 0.015 0 TRAP 50 0
 *

1177 KK NN011-C
 1178 BA 0.271
 1179 PB 2.77
 1180 LS 0 92.2
 1181 UD 0.215
 *

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HEC-1 INPUT

PAGE 32

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

1182 KKCNN011-C
 1183 KM COMBINE NN011-C AND RC3D4-C
 1184 KM LAS VEGAS WASH MIDDLE @ TROPICAL
 1185 HC 2
 *
 1186 KK RC011-C
 1187 KM ROUTE CNN011-C TO CNN030-C
 1188 KM FACILITY = LAS VEGAS WASH MIDDLE
 1189 KM FACILITY ID-MILE = LVMD 2192,2197,2223,2228
 1190 KM LINING = CONCRETE
 1191 RD 3370 0.018 0.015 0 TRAP 50 0
 *
 1192 KK NN030-C
 1193 BA 0.288

```

1194      PB      2.77
1195      LS       0      90.0
1196      UD      0.287
          *

1197      KKCNN030-C
1198      KM COMBINE NN030-C AND RC011-C
1199      HC        2
          *

1200      KK RC030-C
1201      KM ROUTE CNN030-C TO 2C043-C
1202      KM FACILITY = LAS VEGAS WASH MIDDLE
1203      KM FACILITY ID-MILE = LVMD 2170,2172
1204      KM LINING = CONCRETE
1205      RD      1789  0.012  0.015      0      TRAP      50      0
          *
          * *****
          * AREA CONTRIBUTING TO RANCHO DETENTION BASIN
          * *****
          *

1206      KK NW27-C
1207      BA      0.148
1208      PB      3.06
1209      LS       0      90.0
1210      UD      0.234
          *

1211      KK RN27-C
1212      KM ROUTE NW27-C TO CNW26-C
1213      KM FACILITY = ELKHORN AND HUALAPAI
1214      KM FACILITY ID-MILE = EKHU 0023
1215      KM LINING = RCAP
1216      RD      2300  0.009  0.015      0      TRAP      8      0
          *

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HEC-1 INPUT

PAGE 33

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

```

1217      KK NW26-C
1218      BA      0.367
1219      PB      3.09
1220      LS       0      90.3
1221      UD      0.325
          *

1222      KK CNW26-C
1223      KM COMBINE NW26-C AND RN27-C
1224      HC        2
          *

1225      KK RN26-C
1226      KM ROUTE CN26-C TO DNW26-C
1227      KM FACILITY = ELKHORN AND HUALAPAI
1228      KM FACILITY ID-MILE = EKHU 0000,0001,0003,0020
1229      KM LINING = RCAP
1230      RD      1250  0.036  0.015      0      TRAP      6      0
          *

1231      KK DNW26-C
1232      KM 190 CFS IN FACILITY AND 132 CFS SURFACE FLOW
1233      KM GO SOUTH ON HUALAPAI AND REMAINING FLOW GOES EAST
1234      KM PER "SUPPLEMENT #2 TO ADDENDUM #2 TO THE TDS FOR
1235      KM CLIFFS EDGE" PREPARED BY VTN (FIGURE 5-N AND 5-S)
1236      KM THE FLOW GOING SOUTH WAS REDUCED BY 100 CFS TO
1237      KM KEEP THE FORT APACHE DB FROM OVERTOPPING
1238      DTDOUTFLOW
1239      DI       0      222      500      1000      5000
1240      DQ       0       0      278      778      4778
          *

1241      KK RC26-C
1242      KM ROUTE DNW26-C TO CBA3-C
1243      KM FACILITY = BELTWAY CHANNEL - HUALAPAI
1244      KM FACILITY ID-MILE = BCHU 0054,0042,0040
1245      KM LINING = RCP
1246      RD      1445  0.014  0.013      0      CIRC      5      0
          *

1247      KK DC26-C
1248      KM DIVERT 120 CFS FROM RC26-C TO NW77-C
1249      KM IN PROPOSED LOCAL FACILITY AND STREETS
1250      KM REMAINING FLOW ROUTED TO CDMNA1
1251      KM REFERENCED FROM "REVISED FINAL DESIGN REPORT -
1252      KM RANCHO DETENTION BASIN PHASE II" PREPARED BY VTN (JUNE 2006)
1253      KM REFERENCE NODE: DCE3
1254      DT DNW77-C
1255      DI       0      120      150      200      500      1000      5000
1256      DQ       0      120      120      120      120      120      120
          *

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HEC-1 INPUT

PAGE 34

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

1257 KK NWBA3-C
 1258 BA 0.327
 1259 PB 3.11
 1260 LS 0 89.7
 1261 UD 0.313
 *
 1262 KK CBA3-C
 1263 KM COMBINE NWBA3-C AND DC26-C
 1264 KM DORRELL AND HUALAPAI
 1265 HC 2
 *
 1266 KKRDWBA3-C
 1267 KM ROUTE CBA3-C TO CMNA1
 1268 KM FACILITY = BELTWAY CHANNEL - HUALAPAI
 1269 KM FACILITY ID-MILE = BCHU 0017
 1270 KM LINING = RCAP
 1271 RD 1216 0.013 0.015 0 TRAP 8 0
 *
 1272 KK DBA3-C
 1273 KM DIVERT 11 CFS FROM RDWBA3-C TO NWBA6-C
 1274 KM REMAINING FLOW COMBINES AT CMNA1
 1275 KM REFERENCED FROM "REVISED FINAL DESIGN REPORT -
 1276 KM RANCHO DETENTION BASIN PHASE II" PREPARED BY VTN (JUNE 2006)
 1277 KM REFERENCE NODE: DCE4
 1278 DTDNWBA6-C
 1279 DI 0 11 50 100 500 1000
 1280 DQ 0 11 11 11 11 11
 *
 1281 KKR2WBA3-C
 1282 KM ROUTE DBA3-C TO CMNA1
 1283 KM FACILITY = BELTWAY CHANNEL - HUALAPAI
 1284 KM FACILITY ID-MILE = BCHU 0000
 1285 KM LINING = RCAP
 1286 RD 853 0.011 0.015 0 TRAP 12 0
 *
 1287 KK CDMNA1
 1288 BA 0.481
 1289 PB 3.12
 1290 LS 0 90.8
 1291 UD 0.344
 *
 1292 KK CMNA1
 1293 KM COMBINE CDMNA1 AND R2WBA3-C
 1294 KM RANCHO ROAD SYSTEM-BELTWAY @ HUALAPAI WAY
 1295 HC 2
 *

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HEC-1 INPUT

PAGE 35

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

1296 KK RCMNA1
 1297 KM ROUTE CMNA1 TO FADBIN
 1298 KM FACILITY = RANCHO ROAD SYSTEM - BELTWAY
 1299 KM FACILITY # = RCBC 0096,0051,0048,0012,0009,0007
 1300 KM LINING = CONCRETE
 1301 RD 5160 0.034 0.015 0 TRAP 12 0
 *
 1302 KK NWBC2-C
 1303 BA 0.278
 1304 PB 3.00
 1305 LS 0 82.2
 1306 UD 0.277
 *
 1307 KK FADBIN
 1308 KM COMBINE RCMNA1 AND NWBC2-C
 1309 KM RANCHO ROAD SYSTEM-BELTWAY @ FORT APACHE
 1310 HC 2
 *
 1311 KK FADB
 1312 KM FACILITY = FORT APACHE DETENTION BASIN
 1313 KM FACILITY ID-MILE = RCBC 0000
 1314 KM STORAGE VOLUME = 76 AC-FT
 1315 KM OUTLET = 54 INCH RCP WITH A 41" ORIFICE
 1316 KM 100-YEAR DISCHARGE =
 1317 KM SPILLWAY LENGTH = 417'
 1318 KM SPILLWAY HEIGHT =
 1319 KM SPILLWAY CREST ELEVATION = 2636'
 1320 KM SPILLWAY TYPE =
 1321 KM PMF DISCHARGE = 2341 CFS
 1322 KM TOP OF EMBANKMENT ELEVATION =
 1323 KM REFERENCED FROM "PRELIMINARY HYDRAULIC DESIGN REPORT FOR
 1324 KM WESTERN SEGMENT LAS VEGAS BELTWAY, INITIAL IMPROVEMENTS,
 1325 KM ANN ROAD TO EL CAPITAN WAY" PREPARED BY LOUIS BERGER (MARCH 6, 2002)

1326	* KO1									
1327	RS	1	STOR	0						
1328	SV	0.0	5.8	15.6	27.0	40.0	54.7	71.2	75.6	93.6
1328	SE	2611	2615	2619	2623	2627	2631	2635	2636	2640
1329	SQ	0	72	120	153	181	205	226	231	250

1330 KK FADBOUT
 1331 KM ROUTE FADB TO CFADB
 1332 KM FACILITY = RANCHO ROAD SYSTEM - BELTWAY
 1333 KM FACILITY ID-MILE = RCBC 0002,0003
 1334 KM LINING = RCB
 1335 RD 1565 0.01 0.015 0 TRAP 6 0
 *

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HEC-1 INPUT

PAGE 36

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

1336 KK DOUTFLOW
 1337 KM RETIREVE DOUTFLOW
 1338 DR DOUTFLOW
 *
 1339 KK RDOUTFLW
 1340 KM ROUTE DOUTFLOW TO CNW53-C
 1341 KM FACILITY = RANCHO ROAD SYSTEM - BELTWAY
 1342 KM FACILITY # = RCHB 0295
 1343 KM LINING = RCB
 1344 RD 2925 0.033 0.015 0 TRAP 7 0
 *
 1345 KK NW53-C
 1346 BA 0.289
 1347 PB 2.97
 1348 LS 0 82.2
 1349 UD 0.292
 *

1350 KK CNW53-C
 1351 KM COMBINE RDOUTFLW AND NW53-C
 1352 KM RANCHO ROAD SYSTEM - BELTWAY @ GRAND CANYON
 1353 HC 2
 *

1354 KK RCNW53-C
 1355 KM ROUTE CNW53-C TO CNW66-C
 1356 KM FACILITY = RANCHO ROAD SYSTEM - BELTWAY
 1357 KM FACILITY # = RCHB 0295
 1358 KM LINING = RCB
 1359 RD 2600 0.033 0.015 0 TRAP 7 0
 *

1360 KK DCNW66-C
 1361 KM RETRIEVE DCNW66-C
 1362 DR DCNW66-C
 *

1363 KK RDW66-C
 1364 KM ROUTE DCNW66-C TO CNW66-C
 1365 KM PROPOSED LOCAL FACILITY
 1366 KM FARM ROAD TO FORT APACHE
 1367 RD 5400 0.005 0.013 0 CIRC 5 0
 *

1368 KK NW66-C
 1369 BA 0.271
 1370 PB 2.88
 1371 LS 0 84.1
 1372 UD 0.301
 *

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HEC-1 INPUT

PAGE 37

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

1373 KK CNW66-C
 1374 KM COMBINE NW66-C, RDW66-C AND RCNW53-C
 1375 KM RANCHO ROAD SYSTEM-BELTWAY @ FORT APACHE
 1376 HC 3
 *

1377 KK RCW66-C
 1378 KM ROUTE CNW66-C TO CNW77-C
 1379 KM FACILITY = RANCHO ROAD SYSTEM - BELTWAY
 1380 KM FACILITY ID-MILE = RCHB 0250
 1381 KM LINING = RCB
 1382 RD 1200 0.01 0.015 0 TRAP 11 0
 *

1383 KK DNW77-C
 1384 KM RETRIEVE DNW77-C
 1385 DR DNW77-C
 *

1386 KK RDW77-C
 1387 KM ROUTE DNW77-C TO CNW77-C
 1388 KM DORRELL
 1389 RD 5200 0.033 0.016 0 TRAP 0 50
 *
 1390 KK NW77-C
 1391 BA 0.242
 1392 PB 2.95
 1393 LS 0 81.9
 1394 UD 0.297
 *
 1395 KK CNW77-C
 1396 KM COMBINE NW77-C, RDW77-C AND RCW66-C
 1397 KM RANCHO ROAD SYSTEM-BELTWAY @ DORRELL
 1398 HC 3
 *
 1399 KK RCW77-C
 1400 KM ROUTE CNW77-C TO CNWBA6-C
 1401 KM FACILITY = RANCHO ROAD SYSTEM - BELTWAY
 1402 KM FACILITY ID-MILE = RCHB 0250
 1403 KM LINING = RCB
 1404 RD 1300 0.01 0.015 0 TRAP 11 0
 *
 1405 KKDNWBA6-C
 1406 KM RETRIEVE DNWBA6-C
 1407 DRDNWBA6-C
 *

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HEC-1 INPUT

PAGE 38

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

1408 KKRDWBA6-C
 1409 KM ROUTE DNWBA6-C TO CNWBA6-C
 1410 KM DEER SPRINGS
 1411 RD 5200 0.034 0.016 0 TRAP 0 50
 *
 1412 KK NWBA6-C
 1413 BA 0.263
 1414 PB 2.98
 1415 LS 0 81.9
 1416 UD 0.302
 *
 1417 KKCNWBA6-C
 1418 KM COMBINE NWBA6-C, RDWBA6-C AND RCW77-C
 1419 KM RANCHO ROAD SYSTEM-BELTWAY @ DEER SPRINGS
 1420 HC 3
 *
 1421 KK RCBA6-C
 1422 KM ROUTE CNWBA6-C TO CFADB
 1423 KM FACILITY = RANCHO ROAD SYSTEM - BELTWAY
 1424 KM FACILITY ID-MILE = RCHB 0250,0227,0198
 1425 KM LINING = RCB
 1426 RD 2700 0.022 0.015 0 TRAP 11 0
 *
 1427 KK CFADB
 1428 KM COMBINE FADB AND RCBA6-C
 1429 KM RANCHO ROAD SYSTEM-BELTWAY @ FORT APACHE
 1430 HC 2
 *
 1431 KK RCFADB
 1432 KM ROUTE CFADB TO CNWBC3
 1433 KM FACILITY = RANCHO ROAD SYSTEM - BELTWAY
 1434 KM FACILITY ID-MILE = RCHB 0175,0171
 1435 KM LINING = CONCRETE
 1436 RD 1450 0.029 0.015 0 TRAP 14 0
 *
 1437 KK NWBC3
 1438 BA 0.407
 1439 PB 2.87
 1440 LS 0 87.9
 1441 UD 0.355
 *
 1442 KK CNWBC3
 1443 KM COMBINE RCFADB AND NWBC3
 1444 KM RANCHO ROAD SYSTEM-BELTWAY @ EL CAPITAN
 1445 HC 2
 *

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HEC-1 INPUT

PAGE 39

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

1446 KK RCNWB3

1447 KM ROUTE CNWBC3 TO CNWBC6-C
1448 KM FACILITY = RANCHO ROAD SYSTEM - BELTWAY
1449 KM FACILITY ID-MILE = RCHB 0151,0149,0130,0122,0120
1450 KM LINING = CONCRETE
1451 RD 2825 0.027 0.015 0 TRAP 16 0
*

1452 KKDNWBC6-C
1453 KM RETRIEVE DNWBC6-C
1454 DRDNWBC6-C
*

1455 KK RDNWBC6
1456 KM ROUTE DNWBC6-C TO CNWBC6-C
1457 KM LOCAL FACILITY
1458 RD 2160 0.015 0.013 0 CIRC 3.5 0
*

1459 KK NWBC6-C
1460 BA 0.249
1461 PB 2.81
1462 LS 0 91.5
1463 UD 0.290
*

1464 KKCNWBC6-C
1465 KM COMBINE NWBC6-C, RDNWBC6 AND RCNWB3
1466 KM RANCHO ROAD SYSTEM - BELTWAY @ DURANGO
1467 HC 3
*

1468 KK RCBC6-C
1469 KM ROUTE CNWBC6-C TO CDW1C1
1470 KM FACILITY = RANCHO ROAD SYSTEM - BELTWAY
1471 KM FACILITY ID-MILE = RCHB 0074,0075,0083,0101
1472 KM LINING = CONCRETE
1473 RD 2408 0.024 0.015 0 TRAP 20 0
*

1474 KKDNW1C1-C
1475 KM RETRIEVE DNW1C1-C
1476 DRDNW1C1-C
*

1477 KK CDW1C1
1478 KM COMBINE RCBC6-C AND DNW1C1-C
1479 HC 2
*

1480 KK RD1C1-C
1481 KM ROUTE CDW1C1 TO CNW1C-W
1482 KM FACILITY = RANCHO ROAD SYSTEM - BELTWAY
1483 KM FACILITY ID-MILE = RCHB 0065,0062,0054,0053,0034,0000
1484 KM LINING = CONCRETE
1485 RD 3830 0.012 0.015 0 TRAP 21 0
*

1486 KK NW1C1-W
1487 BA 0.365
1488 PB 2.77
1489 LS 0 91.9
1490 UD 0.378
*

1491 KK CNW1C-W
1492 KM COMBINE NW1C1-W AND RD1C1-C
1493 HC 2
*

1494 KK NWBE2-C
1495 BA 0.250
1496 PB 2.82
1497 LS 0 88.1
1498 UD 0.320
*

1499 KKDNWBE2-C
1500 KM REFERENCED FROM "90% FINAL DESIGN REPORT FOR RANCHO
1501 KM ROAD SYSTEM - EL CAMPO GRANDE STORM DRAIN PROJECT"
1502 KM PREPARED BY PBS&J (APRIL 2007)
1503 KM DIVERT 120+10 CFS AS PER THE REFERENCE FLOW SPLIT
1504 KM 120 CFS IN PROPOSED LOCAL FACILITY
1505 KM 10 CFS ON THE STREET
1506 DT DIA4-1
1507 DI 0 130 200 500 1000 5000
1508 DQ 0 130 130 130 130 130
*

1509 KKDNWBE2-C
1510 KM REFERENCED FROM "90% FINAL DESIGN REPORT FOR RANCHO
1511 KM ROAD SYSTEM - EL CAMPO GRANDE STORM DRAIN PROJECT"

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HEC-1 INPUT

PAGE 40

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

1512 KM PREPARED BY PBS&J (APRIL 2007)
 1513 KM DIVERT 130 CFS AS PER THE REFERENCE FLOW SPLIT
 1514 KM IN PROPOSED FACILITY IN BUTLER STREET
 1515 DT DIA4-2
 1516 DI 0 130 200 500 1000 5000
 1517 DQ 0 130 130 130 130 130
 *

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HEC-1 INPUT

PAGE 41

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

1518 KKRDWBE2-C
 1519 KM ROUTE DNWBE2-C TO 2CNW1C1-W
 1520 KM VIA TROPICAL
 1521 RD 4000 0.017 0.016 0 TRAP 0 50
 *

1522 KK2CNW1C-W
 1523 KM COMBINE CNW1C-W AND RDWBE2-C
 1524 HC 2
 *

1525 KK DIA4-1
 1526 KM RETRIEVE DIA4-1
 1527 DR DIA4-1
 *

1528 KK RD1A4-1
 1529 KM ROUTE DIA4-1 TO CNW1A4-C
 1530 KM FACILITY = RANCHO ROAD SYSTEM
 1531 KM FACILITY ID-MILE = RCH0 0071
 1532 KM LINING = RCP
 1533 RD 4000 0.018 0.013 0 CIRC 6 0
 *

1534 KK DIA4-2
 1535 KM RETRIEVE DIA4-2
 1536 DR DIA4-2
 *

1537 KK RD1A4-2
 1538 KM ROUTE DIA4-2 TO CNW1A4-C
 1539 KM FACILITY = RANCHO ROAD SYSTEM
 1540 KM FACILITY ID-MILE = RCH0 0071
 1541 KM LINING = RCP
 1542 RD 3300 0.018 0.013 0 CIRC 6 0
 *

1543 KK NW1A4-C
 1544 BA 0.261
 1545 PB 2.80
 1546 LS 0 80.0
 1547 UD 0.377
 *

1548 KKCNW1A4-C
 1549 KM COMBINE NW1A4-C, RD1A4-2 AND RD1A4-1
 1550 HC 3
 *

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HEC-1 INPUT

PAGE 42

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

1551 KKRCW1A4-C
 1552 KM ROUTE CNW1A4-C TO RCHOIN
 1553 KM FACILITY = RANCHO ROAD SYSTEM
 1554 KM FACILITY ID-MILE = RCH0 0071,0056,0054,0052,0050
 1555 KM LINING = RCB
 1556 RD 1800 0.005 0.015 0 TRAP 10 0
 *

1557 KK NW1C1-E
 1558 BA 0.189
 1559 PB 2.77
 1560 LS 0 88.0
 1561 UD 0.256
 *

1562 KK RCHOIN
 1563 KM COMBINE NW1C1-E, RCW1A4-C AND 2CNW1C-W
 * K01
 1564 HC 3
 *

1565 KK RCHODB
 1566 KM FACILITY = RANCHO DETENTION BASIN
 1567 KM FACILITY ID-MILE = RCH0 0025
 1568 KM REFERENCED FROM "REVISED FINAL DESIGN REPORT -
 1569 KM RANCHO DETENTION BASIN PHASE II" PREPARED BY VTN (JUNE 2006)
 1570 KM STORAGE VOLUME = 321 ACRE-FEET
 1571 KM OUTLET = 60" RCP WITH 36" ORIFICE PLATE
 1572 KM 100-YEAR DISCHARGE = 156 CFS
 1573 KM SPILLWAY LENGTH = 550'

1574 KM SPILLWAY CREST ELEVATION = 2390.84'
 1575 KM SPILLWAY TYPE = BROAD CRESTED WEIR
 1576 KM PMF DISCHARGE = 18,000 CFS
 1577 KM TOP OF EMBANKMENT ELEVATION = 2396.44'
 * K01
 1578 RS 1 STOR 0
 1579 SV 0.0 0.1 3.1 16.3 42.1 74.8 109.6 145.7 183.0 221.70
 1580 SV 261.8 303.2 321.1 346.1 390.3 446.1
 1581 SE 68.8 70.0 72.0 74.0 76.0 78.0 80.0 82.0 84.0 86.00
 1582 SE 88.0 90.0 90.8 92.0 94.0 96.4
 1583 SQ 0.0 18.6 36.5 63.7 82.3 94.4 110.5 122.2 132.8 142.70
 1584 SQ 151.9 160.6 164.2 3085.2 10575.3 20673.0
 *
 1585 KK RCHOOT
 1586 KM ROUTE RCHODB TO CNW2B5-C
 1587 KM FACILITY = ANN ROAD CHANNEL WEST
 1588 KM FACILITY ID-MILE = ANWE 0327,0371,0385; RCHO 0000
 1589 KM LINING = RCB
 1590 RD 6253 0.009 0.015 0 TRAP 6 0
 *

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HEC-1 INPUT

PAGE 43

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

1591 KK NW2A1-C
 1592 BA 0.361
 1593 PB 2.77
 1594 LS 0 88.2
 1595 UD 0.519
 *
 1596 KK NW2A3-C
 1597 BA 0.265
 1598 PB 2.77
 1599 LS 0 84.8
 1600 UD 0.443
 *
 1601 KKCNW2A3-C
 1602 KM COMBINE NW2A3-C AND NW2A1-C
 1603 KM TROPICAL AND RAINBOW
 1604 HC 2
 *
 1605 KK RC2A3-C
 1606 KM ROUTE CNW2A3-C TO CNW2B5-C
 1607 KM FACILITY = ANN ROAD CHANNEL WEST-RAINBOW
 1608 KM FACILITY ID-MILE = ANRB 0000
 1609 KM LINING = RCB
 1610 RD 2400 0.004 0.015 0 TRAP 10 0
 *

1611 KK NW2B5-C
 1612 BA 0.368
 1613 PB 2.77
 1614 LS 0 87.1
 1615 UD 0.489
 *

1616 KKCNW2B5-C
 1617 KM COMBINE NW2B5-C AND RC2A3-C
 1618 KM ANN ROAD WEST @ RAINBOW
 1619 HC 2
 *

1620 KK2CNW2B5C
 1621 KM COMBINE RCHOOT AND CNW2B5-C
 1622 KM ANN ROAD WEST @ RAINBOW
 1623 HC 2
 *

1624 KK RC2B5-C
 1625 KM ROUTE CNW2B5-C TO CNW2D1-C
 1626 KM FACILITY = ANN ROAD CHANNEL WEST
 1627 KM FACILITY ID-MILE = ANWE 0279,0290
 1628 KM LINING = RCB
 1629 RD 2603 0.007 0.015 0 TRAP 8 0
 *

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HEC-1 INPUT

PAGE 44

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

1630 KK NW2C1-C
 1631 BA 0.226
 1632 PB 2.77
 1633 LS 0 82.4
 1634 UD 0.397
 *

1635 KKRNW2C1-C
 1636 KM ROUTE NW2C1-C TO NW2D1-C
 1637 KM TORREY PINES

1638	RD	2500	0.002	0.016	0	TRAP	0	50
	*							
1639	KK NW2D1-C							
1640	BA	0.243						
1641	PB	2.77						
1642	LS	0	83.2					
1643	UD	0.389						
	*							
1644	KKCNW2D1-C							
1645	KM COMBINE NW2D1-C, RNW2C1-C AND RC2B5-C							
1646	KM ANN ROAD WEST @ TORREY PINES							
1647	HC	3						
	*							
1648	KK RC2D1-C							
1649	KM ROUTE CNW2D1-C TO CNW2D2-C							
1650	KM FACILITY = ANN ROAD CHANNEL WEST							
1651	KM FACILITY ID-MILE = ANWE 0232,0245							
1652	KM LINING = RCB							
1653	RD	2435	0.008	0.015	0	TRAP	10	0
	*							
1654	KK NW2C2-C							
1655	BA	0.243						
1656	PB	2.77						
1657	LS	0	81.8					
1658	UD	0.414						
	*							
1659	KKRNW2C2-C							
1660	KM ROUTE NW2C2-C TO NW2D2-C							
1661	KM JONES							
1662	RD	2600	0.004	0.016	0	TRAP	0	50
	*							
1663	KK NW2D2-C							
1664	BA	0.243						
1665	PB	2.77						
1666	LS	0	83.0					
1667	UD	0.394						
	*							

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HEC-1 INPUT

PAGE 45

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

1668	KKCNW2D2-C							
1669	KM COMBINE NW2D2-C, RNW2C2-C AND RC2D1-C							
1670	KM ANN ROAD WEST @ JONES							
1671	HC	3						
	*							
1672	KK RC2D2-C							
1673	KM ROUTE CNW2D2-C TO CNW3B2-C							
1674	KM FACILITY = ANN ROAD CHANNEL WEST							
1675	KM FACILITY ID-MILE = ANWE 0127,0157,0177							
1676	KM LINING = RCB							
1677	RD	5359	0.004	0.015	0	TRAP	12	0
	*							
1678	KK NW3A1-C							
1679	BA	0.258						
1680	PB	2.77						
1681	LS	0	90.2					
1682	UD	0.483						
	*							
1683	KKRNW3A1-C							
1684	KM ROUTE NW3A1-C TO CNW3A3-C							
1685	KM DECATUR							
1686	RD	1200	0.0091	0.016	0	TRAP	0	50
	*							
1687	KK NW3A3-C							
1688	BA	0.270						
1689	PB	2.77						
1690	LS	0	89.6					
1691	UD	0.489						
	*							
1692	KKCNW3A3-C							
1693	KM COMBINE NW3A3-C AND RNW3A1-C							
1694	KM TROPICAL AND DECATUR							
1695	HC	2						
	*							
1696	KK RC3A3-C							
1697	KM ROUTE CNW3A3-C TO CNW3B1-C							
1698	KM DECATUR							
1699	RD	1200	0.004	0.016	0	TRAP	0	50
	*							
1700	KK NW3B1-C							

1701 BA 0.259
 1702 PB 2.77
 1703 LS 0 87.5
 1704 UD 0.483
 *

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HEC-1 INPUT

PAGE 46

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

1705 KKCWN3B1-C
 1706 KM COMBINE NW3B1-C AND RC3A3-C
 1707 KM EL CAMPO GRANDE AND DECATUR
 1708 HC 2
 *

1709 KK RC3B1-C
 1710 KM ROUTE CNW3B1-C TO CNW3B2-C
 1711 KM DECATUR
 1712 RD 1200 0.02 0.016 0 TRAP 0 50
 *

1713 KK NW3B2-C
 1714 BA 0.261
 1715 PB 2.77
 1716 LS 0 87.7
 1717 UD 0.447
 *

1718 KKCWN3B2-C
 1719 KM COMBINE NW3B2-C, RC3B1-C AND RC2D2-C
 1720 KM ANN ROAD WEST @ DECATUR
 1721 HC 3
 *

1722 KK RC3B2-C
 1723 KM ROUTE CNW3B2-C TO CNN043-C
 1724 KM FACILITY = ANN ROAD CHANNEL WEST
 1725 KM FACILITY ID-MILE = ANWE 0000,0027,0031,0076,0082,0122
 1726 KM LINING = RCB
 1727 RD 6792 0.007 0.015 0 TRAP 12 0
 *

1728 KK NN043-C
 1729 BA 0.414
 1730 PB 2.77
 1731 LS 0 92.1
 1732 UD 0.488
 *

1733 KKCNN043-C
 1734 KM COMBINE NN043-C AND RC3B2-C
 1735 KM ANN ROAD WEST FLOW @ LAS VEGAS WASH MIDDLE
 1736 HC 2
 *

1737 KK 2C043-C
 1738 KM COMBINE CNN043-C AND RC030-C
 1739 KM LAS VEGAS WASH MIDDLE @ ANN AND FERRELL
 1740 HC 2
 *

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HEC-1 INPUT

PAGE 47

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

1741 KK RC043-C
 1742 KM ROUTE 2C043-C TO 2C044-C
 1743 KM FACILITY = LAS VEGAS WASH MIDDLE
 1744 KM FACILITY ID-MILE = LVMD 2124,2125
 1745 KM LINING = CONCRETE
 1746 RD 1681 0.0077 0.015 0 TRAP 54 0
 *

1747 KK NN038-C
 1748 BA 0.244
 1749 PB 2.77
 1750 LS 0 89.5
 1751 UD 0.378
 *

1752 KKRNN038-C
 1753 KM ROUTE NN038-C TO CNN040-C
 1754 KM FACILITY = LAS VEGAS WASH SIMMONS
 1755 KM FACILITY ID-MILE = LVSM 0084,0089,0109
 1756 KM LINING = RCB
 1757 RD 2700 0.019 0.013 0 CIRC 4 0
 *

1758 KK NN040-C
 1759 BA 0.287
 1760 PB 2.77
 1761 LS 0 90.6
 1762 UD 0.307
 *

1763 KKCNN040-C
 1764 KM COMBINE NN040-C AND RNN038-C
 1765 KM LAS VEGAS WASH-SIMMONS @ TROPICAL
 1766 HC 2
 *

 1767 KK RC040-C
 1768 KM ROUTE CNN040-C TO NN044-C
 1769 KM FACILITY = LAS VEGAS WASH SIMMONS
 1770 KM FACILITY ID-MILE = LVSM 0000,0006,0025,0050,0057
 1771 KM LINING = RCB
 1772 RD 4010 0.005 0.015 0 TRAP 8 0
 *

 1773 KK NN044-C
 1774 BA 0.277
 1775 PB 2.77
 1776 LS 0 90.8
 1777 UD 0.408
 *

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HEC-1 INPUT

PAGE 48

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

1778 KKCNN044-C
 1779 KM COMBINE NN044-C AND RC040-C
 1780 KM LAS VEGAS WASH-SIMMONS FLOW @ LAS VEGAS WASH MIDDLE
 1781 HC 2
 *

 1782 KK 2C044-C
 1783 KM COMBINE CNN044-C AND RC043-C
 1784 KM LAS VEGAS WASH MIDDLE FLOW @ SIMMONS
 1785 HC 2
 *

1786 KK RC044-C
 1787 KM ROUTE 2C044-C TO 2C057-C
 1788 KM FACILITY = LAS VEGAS WASH MIDDLE
 1789 KM FACILITY ID-MILE = LVMD 2060,2061,2062,2089
 1790 KM LINING = CONCRETE
 1791 RD 2677 0.0135 0.015 0 TRAP 54 0
 *

1792 KK NN052-C
 1793 BA 0.549
 1794 PB 2.77
 1795 LS 0 90.1
 1796 UD 0.405
 *

1797 KKRNN052-C
 1798 KM ROUTE CNN052-C TO CNN054-C
 1799 KM FACILITY = CLAYTON STREET CHANNEL
 1800 KM FACILITY ID-MILE = LV03 0081,0082,0128,0129,0131
 1801 KM LINING = CONCRETE
 1802 RD 3375 0.028 0.015 0 TRAP 7 1.5
 *

1803 KK NN054-C
 1804 BA 0.260
 1805 PB 2.77
 1806 LS 0 90.1
 1807 UD 0.261
 *

1808 KKCNN054-C
 1809 KM COMBINE NN054-C AND RNN052-C
 1810 KM CLAYTON STREET CHANNEL @ TROPICAL
 1811 HC 2
 *

1812 KK RC054-C
 1813 KM ROUTE CNN054-C TO CNN057-C
 1814 KM FACILITY = CLAYTON STREET CHANNEL
 1815 KM FACILITY ID-MILE = LV03 0000,0006,0030,0031
 1816 KM LINING = CONCRETE
 1817 RD 4420 0.004 0.015 0 TRAP 8 1.5
 *

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HEC-1 INPUT

PAGE 49

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

1818 KK NN057-C
 1819 BA 0.406
 1820 PB 2.77
 1821 LS 0 88.5
 1822 UD 0.461
 *

1823 KKCNN057-C
 1824 KM COMBINE NN057-C AND RC054-C

```

1825      KM CLAYTON STREET CHANNEL FLOW @ LAS VEGAS WASH MIDDLE
1826      HC      2
          *

1827      KK 2C057-C
1828      KM COMBINE CNN057-C AND RC044-C
1829      KM LAS VEGAS WASH MIDDLE FLOW @ CLAYTON
1830      HC      2
          *

1831      KK RC057-C
1832      KM ROUTE 2C057-C TO LOWERIN
1833      KM FACILITY = LAS VEGAS WASH MIDDLE
1834      KM FACILITY ID-MILE = LVMD 2052,2053,2054,2055
1835      KM LINING = CONCRETE
1836      RD 1355 0.002 0.015      0      TRAP      60      0
          *

1837      KK NN071-C
1838      BA 0.246
1839      PB 2.77
1840      LS 0      88.0
1841      UD 0.372
          *

1842      KK NN072
1843      BA 0.142
1844      PB 2.77
1845      LS 0      87.0
1846      UD 0.328
          *

1847      KK LOWERIN
1848      KM COMBINE NN072, NN071-C AND RC054-C
1849      KM TOTAL INFLOW TO THE LOWER LAS VEGAS WASH DETENTION BASIN
          * K01
1850      HC      3
          *

1851      KK LOWERDB
1852      KM FACILITY = LOWER DETENTION BASIN
1853      KM FACILITY ID-MILE = LVMD 2050
1854      KM STORAGE VOLUME = 701.4 ACRE-FEET
1855      KM OUTLET = 4, 7' X 7' RCB'S
1856      KM 100-YEAR DISCHARGE = 3,800 CFS
          *

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HEC-1 INPUT

PAGE 50

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

1857      KM SPILLWAY LENGTH = 220'
1858      KM SPILLWAY HEIGHT = 7.5'
1859      KM SPILLWAY CREST ELEVATION = 2115.5'
1860      KM SPILLWAY TYPE = LABYRINTH
1861      KM PMF DISCHARGE = 68,724 CFS
1862      KM TOP OF EMBANKMENT ELEVATION = 2124'
          * K01
1863      RS      1      STOR      -1
1864      SV      0      0.14      10.52      32.38      59.83      99.37      133.46      180.38      234.5317.4949
1865      SV      7.78      565.28      637.32      716.59      802.93      893.61      988.24      1086.81
1866      SE      2071      2072      2076      2080      2084      2088      2092      2096      2100      2104
1867      SE      2110      2112      2114      2116      2118      2120      2122      2124
1868      SQ      0      52.27      834.3      1445      1865.6      2207.3      2502.9      2767.1      3008.13231.235
1869      SQ      39.7      3636.6      3731.1      3777.5      3823.2      40031      60666      78628
1870      SE      2071      2072      2076      2080      2084      2088      2092      2096      2100      2104
1871      SE      2110      2112      2114      2115      2116      2120      2122      2124
          *

1872      KK LOWEROT
1873      KM ROUTE LOWERDB TO CNN086-C
1874      KM FACILITY = LAS VEGAS WASH MIDDLE
1875      KM FACILITY ID-MILE = LVMD 1954,1984,2048,2049
1876      KM LINING = CONCRETE
1877      RD 2340 0.01 0.015      0      TRAP      32      2
          *

1878      KK NN070-C
1879      BA 0.385
1880      PB 2.77
1881      LS 0      88.0
1882      UD 0.506
          *

1883      KKRNN070-C
1884      KM ROUTE NN070-C TO NN086-C
1885      KM 60 INCH RCP IN CAMINO AL NORTE
1886      RD 3000 0.0131 0.013      0      CIRC      5      0
          *

1887      KK NN086-C
1888      BA 0.184
1889      PB 2.77
1890      LS 0      92.0
1891      UD 0.293
          *

```

1892 KKCNN086-C
 1893 KM COMBINE NN086-C, RNN070-C AND LOWEROT
 1894 KM LAS VEGAS WASH MIDDLE @ CAMINO AL NORTE
 1895 HC 3
 *

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HEC-1 INPUT

PAGE 51

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

1896 KK RC086-C
 1897 KM ROUTE CNN086-C TO CGOWAN
 1898 KM FACILITY = LAS VEGAS WASH MIDDLE
 1899 KM FACILITY ID-MILE = LVMD 1905,1953
 1900 KM LINING = CONCRETE
 1901 RD 2585 0.01 0.015 0 TRAP 12 1.65
 *
 * *****
 * GOWAN WATERSHED INPUT
 * *****
 *

1902 KKGD17BG-C
 1903 BA 0.364
 1904 PB 2.77
 1905 LS 0 88.7
 1906 UD 0.478
 *

1907 KK RGD17BG
 1908 KM ROUTE RGD17BG TO CGD11B-C
 1909 KM FACILITY = GOWAN OUTFALL - U.S. 95 CHANNEL
 1910 KM FACILITY # = GO95 0000
 1911 KM LINING = CONCRETE
 1912 RD 2640 0.003 0.015 0 TRAP 12 2
 *

1913 KK GD11B-C
 1914 BA 0.262
 1915 PB 2.77
 1916 LS 0 91.4
 1917 UD 0.278
 *

1918 KKCGD11B-C
 1919 KM COMBINE GD11B-C AND RGD17BG
 1920 KM GOWAN AND US 95
 1921 HC 2
 *

1922 KK RCGD11B
 1923 KM ROUTE CGD11B-C TO CPT6B-C
 1924 KM FACILITY = GOWAN OUTFALL FACILITIES
 1925 KM FACILITY # = GOOF 0511
 1926 KM LINING = RCB
 1927 RD 8390 0.005 0.015 0 TRAP 8 0
 *

1928 KK PT6B-C
 1929 BA 0.454
 1930 PB 2.77
 1931 LS 0 86.1
 1932 UD 0.756
 *

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HEC-1 INPUT

PAGE 52

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

1933 KK CPT6B-C
 1934 KM COMBINE PT6B-C AND RCGD11B
 1935 KM GOWAN AND RANCHO
 1936 HC 2
 *

1937 KKDPT6B-C1
 1938 KM FLOW SPLIT TO GOWAN OUTFALL
 1939 KM DGOW1A
 1940 KM FROM CWH
 1941 DT DGOW1A
 1942 DI 0 31 51 71 101 301 561 600 3000 5000
 1943 DQ 0 30 50 70 100 300 560 560 560 560
 *

1944 KKDPT6B-C2
 1945 KM FLOW SPLIT TO TRILOGY CHANNEL
 1946 KM DTRILGY
 1947 KM FROM CWH
 1948 DT DTRILGY
 1949 DI 0 31 91 202 349 625 1214 1944 2801
 1950 DQ 0 3 33 55 95 173 267 374 491
 *

1951 KKRCPT6B-C
 1952 KM ROUTE DPT6B-C2 TO CCY08-C

1953 KM GOWAN
 1954 RD 3300 0.006 0.016 0 TRAP 0 50
 *
 1955 KK DGOW1A
 1956 KM RETRIEVE DGOW1A
 1957 DR DGOW1A
 *
 1958 KK RDGOW1A
 1959 KM ROUTE DGOW1A TO CCY08-C
 1960 KM FACILITY = GOWAN OUTFALL FACILITIES
 1961 KM FACILITY # = GOOF 0486
 1962 KM LINING = RCB
 1963 RD 3300 0.006 0.015 0 TRAP 8 0
 *
 1964 KK CCY08-C
 1965 KM COMBINE RCPT6B-C AND RDGOW1A
 1966 KM GOWAN AND DECATUR
 1967 HC 2
 *

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HEC-1 INPUT

PAGE 53

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

1968 KK DTRILGY
 1969 KM RETRIEVE DTRILGY
 1970 DR DTRILGY
 *
 1971 KK CY07B
 1972 BA 0.203
 1973 PB 2.77
 1974 LS 0 89.1
 1975 UD 0.461
 *
 1976 KK CCY07B
 1977 KM COMBINE DTRILGY AND CY07B
 1978 KM RANCHO AND MICHAEL WAY
 1979 HC 2
 *
 1980 KK DCY07B
 1981 KM FLOW SPLIT TO CENTRAL BASIN
 1982 KM DIVERT FLOW EAST IN RAN 190
 1983 KM OPPOSITE OF D9RCHO
 1984 KM FROM CWH
 1985 DT DCENT1
 1986 DI 0 19 73 100 1000 2000
 1987 DQ 0 1 1 28 928 1928
 *
 1988 KK RDCY07B
 1989 KM ROUTE DCY07B TO CCCY08-C
 1990 KM DECATUR AND GOWAN
 1991 RD 3150 0.007 0.016 0 TRAP 0 50
 *
 1992 KK CY08-C
 1993 BA 0.094
 1994 PB 2.77
 1995 LS 0 88.5
 1996 UD 0.306
 *
 1997 KKCCY08-C
 1998 KM COMBINE CY08-C, CCY08-C, AND RDCY07B
 1999 KM GOWAN AND DECATUR
 2000 HC 3
 *

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HEC-1 INPUT

PAGE 54

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

2008 DI 0 31 51 71 101 301 601 631 3000 5000
 2009 DQ 0 1 1 1 1 1 1 1 2370 4370
 *
 2010 KK RDGOW2A
 2011 KM ROUTE DGOW2A TO CPT5B6-C
 2012 KM FACILITY = GOWAN NORTH SYSTEM
 2013 KM FACILITY # = GOOF 0427, 0485
 2014 KM LINING = RCP
 2015 RD 2370 0.005 0.013 0 CIRC 8 0

```

*
2016 KK PDGCD-C
2017 BA 0.441
2018 PB 2.77
2019 LS 0 80.6
2020 UD 0.543
*

2021 KKRPDGCDC-C
2022 KM ROUTE PDGCD-C TO RRPDGCDC
2023 KM FROM CWH
2024 RD 3080 0.0065 0.03 0 TRAP 30 2
*

2025 KK RRPDGCDC
2026 KM ROUTE RPDGCD-C TO CDPDGCBC1
2027 KM LINING = CONCRETE
2028 KM FROM CWH
2029 RD 1610 0.0062 0.015 0 TRAP 8 2
*

2030 KK NW29B-C
2031 BA 0.254
2032 PB 2.80
2033 LS 0 80.9
2034 UD 0.404
*

2035 KKRNW29B-C
2036 KM ROUTE NW29B-C TO CNW1C2
2037 KM ANN ROAD
2038 RD 4500 0.0122 0.016 0 TRAP 0 50
*

2039 KK NW1C2-C
2040 BA 0.207
2041 PB 2.77
2042 LS 0 89.5
2043 UD 0.409
*

1 HEC-1 INPUT PAGE 55

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

2044 KK CNW1C2
2045 KM COMBINE RNW29B-C AND NW1C2-C
2046 KM ANN ROAD AND RANCHO
2047 HC 2
*

2048 KK RCNW1C2
2049 KM ROUTE CNW1C2 TO CPDGCBC10
2050 KM ALONG RANCHO
2051 KM LINING = CONCRETE
2052 RD 2300 0.0087 0.015 0 TRAP 12 0
*

2053 KKPDGCBC10C
2054 BA 0.309
2055 PB 2.77
2056 LS 0 84.6
2057 UD 0.414
*

2058 KKCPDGCBC10
2059 KM COMBINE PDGCBC10C AND RCNW1C2
2060 KM NEAR US95 AND RANCHO INTERSECTION
2061 HC 2
*

2062 KKDPDGCBC10
2063 KM FLOW SPLIT ACROSS RANCHO TO PT3AA1
2064 KM 10'X 3' RCB (139 CFS) CULVERT 3
2065 KM FROM U.S. 95 / RANCHO FIS
2066 KM D95A
2067 DTDEPT3AA11
2068 DI 0 51 101 118 140 318 10000
2069 DQ 0 50 100 117 139 139 139
*

2070 KKRDPDGCBC1
2071 KM ROUTE DDPDGCBC10 TO DDPDGCBC1
2072 KM ALONG US95
2073 KM LINING = CONCRETE
2074 RD 2000 0.0004 0.015 0 TRAP 8 2
*

2075 KKDDPDGCBC1
2076 KM FLOW SPLIT ACROSS US95 TO PT3AB1-C
2077 KM (2) 6'X 2' RCB (192 CFS - BASED ON INLET CONTROL NOMOGRAPH WITH 4' OF
2078 KM HEADWATER; HEADWATER BASED ON DEPTH OF CONCRETE CHANNEL)
2079 DTDEPT3AB1C
2080 DI 0 192 10000

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1

2081 DQ 0 192 192
 *
 HEC-1 INPUT
 LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

PAGE 56

2082 KKCDPDGCB1
 2083 KM COMBINE RRPDGCD AND DDPDGCB1
 2084 KM NEAR US95 AND RANCHO INTERSECTION
 2085 HC 2
 *
 2086 KKRCDPDGCB
 2087 KM ROUTE CDPDGCB1 TO CGD20BEC
 2088 KM LOCAL FACILITY ALONG U.S. 95
 2089 RD 1750 0.0029 0.025 0 TRAP 20 3
 *

2090 KKGD20BE-C
 2091 BA 0.427
 2092 PB 2.77
 2093 LS 0 83.4
 2094 UD 0.467
 *

2095 KKCGD20BEC
 2096 KM COMBINE GD20BE-C AND RCDPDGCB
 2097 KM COMBINATION OF US 95 AND LONE MOUNTAIN
 2098 HC 2
 *

2099 KKRCGD20BE
 2100 KM ROUTE CGD20BEC TO CGD20BMC
 2101 KM NEWLY PROPOSED REGIONAL FACILITY
 2102 KM FACILITY = GOWAN OUTFALL - ALEXANDER BRANCH
 2103 KM FACILITY # = GOAL 0247
 2104 KM LINING = CONCRETE
 2105 RD 2640 0.003 0.015 0 TRAP 12 2
 *

2106 KKGD20BM-C
 2107 BA 0.343
 2108 PB 2.77
 2109 LS 0 89.3
 2110 UD 0.456
 *

2111 KKCGD20BMC
 2112 KM COMBINE GD20BM-C AND RCGD20BE
 2113 KM US 95 AND CRAIG ROAD
 2114 HC 2
 *

2115 KKRCGD20BM
 2116 KM ROUTE CGD20BMC TO CPT2B2
 2117 KM NEWLY PROPOSED REGIONAL FACILITY
 2118 KM FACILITY = GOWAN OUTFALL - ALEXANDER BRANCH
 2119 KM FACILITY # = GOAL 0168
 2120 KM LINING = RCB
 2121 RD 4200 0.005 0.015 0 TRAP 10 0
 *

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

PAGE 57

2122 KK PT2B2-C
 2123 BA 0.300
 2124 PB 2.77
 2125 LS 0 92.1
 2126 UD 0.417
 *

2127 KK CPT2B2
 2128 KM COMBINE RCGD20BM AND PT2B2-C
 2129 KM CRAIG AND ALEXANDER
 2130 HC 2
 *

2131 KK RCPT2B2
 2132 KM ROUTE CPT2B2 TO CPT41-C
 2133 KM NEWLY PROPOSED REGIONAL FACILITY
 2134 KM FACILITY = GOWAN OUTFALL - ALEXANDER BRANCH
 2135 KM FACILITY # = GOAL 0111
 2136 KM LINING = RCB
 2137 RD 3000 0.0083 0.015 0 TRAP 10 0
 *

2138 KK PT3-C
 2139 BA 0.172
 2140 PB 2.77
 2141 LS 0 89.9
 2142 UD 0.372
 *

2143 KK RCPT3-C
 2144 KM ROUTE PT3-C TO CPT41-C
 2145 KM FACILITY = GOWAN OUTFALL - ALEXANDER 2 BRANCH
 2146 KM FACILITY # = GOA2 0000
 2147 KM ALEXANDER
 2148 RD 4700 0.0081 0.016 0 TRAP 0 50
 *

 2149 KK PT41-C
 2150 BA 0.435
 2151 PB 2.77
 2152 LS 0 88.6
 2153 UD 0.424
 *

 2154 KK CPT41-C
 2155 KM COMBINE RCPT3-C AND PT41-C
 2156 KM ALEXANDER AND RANCHO
 2157 HC 2
 *

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HEC-1 INPUT

PAGE 58

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

2158 KKCCPT41-C
 2159 KM COMBINE RCPT2B2 AND CPT41-C
 2160 KM ALEXANDER AND RANCHO
 2161 HC 2
 *

 2162 KKRCPT41-C
 2163 KM ROUTE CCPT41-C TO CPT5A2-C
 2164 KM NEWLY PROPOSED REGIONAL FACILITY
 2165 KM FACILITY = GOWAN OUTFALL - ALEXANDER BRANCH
 2166 KM FACILITY # = GOAL 0100
 2167 KM LINING = RCB
 2168 RD 540 0.003 0.015 0 TRAP 10 0
 *

2169 KK PT5A2-C
 2170 BA 0.341
 2171 PB 2.77
 2172 LS 0 86.9
 2173 UD 0.644
 *

2174 KKPT5A2-C
 2175 KM COMBINE PT5A2-C AND RCPT41-C
 2176 KM ALEXANDER AND RANCHO
 2177 HC 2
 *

2178 KK RCPT5A2
 2179 KM ROUTE CPT5A2-C TO CPT5B6-C
 2180 KM FACILITY = GOWAN OUTFALL - ALEXANDER BRANCH
 2181 KM FACILITY # = GOAL 0000
 2182 KM LINING = RCB
 2183 RD 5280 0.01 0.015 0 TRAP 10 0
 *

2184 KKCP5B6-C
 2185 KM COMBINE RDGOW2A AND RCPT5A2
 2186 KM DECATUR AND ALEXANDER
 2187 HC 2
 *

2188 KK PT5B6-C
 2189 BA 0.381
 2190 PB 2.77
 2191 LS 0 86.3
 2192 UD 0.368
 *

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HEC-1 INPUT

PAGE 59

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

2193 KKCCPT5B6C
 2194 KM COMBINE PT5B6-C AND CPT5B6-C
 2195 KM DECATUR AND ALEXANDER
 2196 HC 2
 *

 2197 KKRCPT5B6
 2198 KM ROUTE CCPT5B6C TO CPT5C-1
 2199 KM FACILITY = GOWAN OUTFALL FACILITIES
 2200 KM FACILITY # = GOOF 0375
 2201 KM LINING = RCB
 2202 RD 2700 0.0056 0.015 0 TRAP 24 0
 *

2203 KK PT5C-1
 2204 BA 0.186

2205 PB 2.77
 2206 LS 0 88.2
 2207 UD 0.356
 *

 2208 KK CPT5C-1
 2209 KM COMBINE RCCPT5B6 AND PT5C-1
 2210 KM ALEXANDER AND VALLEY
 2211 HC 2
 *

 2212 KKRCPT5C-1
 2213 KM ROUTE CPT5C-1 TO CPT5C-2
 2214 KM FACILITY = GOWAN OUTFALL FACILITIES
 2215 KM FACILITY # = GOOF 0325
 2216 KM LINING = RCB
 2217 RD 2650 0.0037 0.015 0 TRAP 28 0
 *

 2218 KK PT5C-2
 2219 BA 0.193
 2220 PB 2.77
 2221 LS 0 83.1
 2222 UD 0.350
 *

 2223 KK CPT5C-2
 2224 KM COMBINE RCPT5C-1 AND PT5C-2
 2225 KM ALLEN AND ALEXANDER
 2226 HC 2
 *

 2227 KKRCPT5C-2
 2228 KM ROUTE RCPT5C-2 TO CPT5C-3
 2229 KM FACILITY = GOWAN OUTFALL FACILITIES
 2230 KM FACILITY # = GOOF 0285,0275
 2231 KM LINING = RCB
 2232 RD 3165 0.0045 0.015 0 TRAP 28 0
 *

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HEC-1 INPUT

PAGE 60

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

2233 KK PT5C-3
 2234 BA 0.223
 2235 PB 2.77
 2236 LS 0 88.2
 2237 UD 0.383
 *

 2238 KK CPT5C-3
 2239 KM COMBINE RCPT5C-2 AND PT5C-3
 2240 KM SIMMONS AND ALEXANDER
 2241 HC 2
 *

 2242 KKRCPT5C-3
 2243 KM ROUTE RCPT5C-3 TO CPT4C-3
 2244 KM FACILITY = GOWAN OUTFALL FACILITIES
 2245 KM FACILITY # = GOOF 0224
 2246 KM LINING = RCB
 2247 RD 2700 0.004 0.015 0 TRAP 34 0
 *

 2248 KK PT4C-3
 2249 BA 0.264
 2250 PB 2.77
 2251 LS 0 89.7
 2252 UD 0.406
 *

 2253 KK CPT4C-3
 2254 KM COMBINE RCPT5C-3, AND PT4C-3
 2255 KM COMBINATION AT CRAIG AND SIMMONS
 2256 HC 2
 *

 2257 KKRCPT4C-3
 2258 KM ROUTE CPT4C-3 TO CCPT3D-3
 2259 KM FACILITY = GOWAN OUTFALL FACILITIES
 2260 KM FACILITY # = GOOF 0198,0199
 2261 KM LINING = RCB
 2262 RD 1344 0.004 0.015 0 TRAP 38 0
 *

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HEC-1 INPUT

PAGE 61

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

2263 KKPD16A3-C
 2264 BA 0.346
 2265 PB 2.77
 2266 LS 0 92.6
 2267 UD 0.517
 *

```

2268      KKRC16A3-C
2269      KM ROUTE PD16A3-C TO CPT4B2-C
2270      KM CRAIG ROAD
2271      RD 2640 0.0133 0.016 0 TRAP 0 50
          *

2272      KK PT4B2-C
2273      BA 0.271
2274      PB 2.77
2275      LS 0 86.3
2276      UD 0.370
          *

2277      KKCP4B2-C
2278      KM COMBINE RC16A3-C AND PT4B2-C
2279      KM CRAIG ROAD AND BRADLEY
2280      HC 2
          *

2281      KK RCPT4B2
2282      KM ROUTE CPT4B2-C TO CPT4B3-C
2283      KM CRAIG ROAD
2284      RD 2640 0.00581 0.016 0 TRAP 0 50
          *

2285      KK PT4B3-C
2286      BA 0.281
2287      PB 2.77
2288      LS 0 84.9
2289      UD 0.328
          *

2290      KKCP4B3-C
2291      KM COMBINE RCPT4B2 AND PT4B3-C
2292      HC 2
          *

2293      KKPT3DC1-C
2294      BA 0.354
2295      PB 2.77
2296      LS 0 89.6
2297      UD 0.511
          *

2298      KK RAMDET
2299      KM ROUTE PT3DC1-C
2300      KM RANCHO ALTA MIRA DETENTION BASIN
2301      KO 3
2302      RS 1 STOR -1
2303      SV 0 0 0 0.08 0.72 2.67 2.84 5.48 5.88
2304      SE 0 2 4 6 8 9.7 10 12 12.5
2305      SQ 0 17 42 56 68 77 87 257 318
          *

1
          HEC-1 INPUT
          PAGE 62

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

2306      KK CRAMDET
2307      KM COMBINE RAMDET AND CPT4B3-C
2308      HC 2
          *

2309      KKRCRAMDET
2310      KM ROUTE CRAMDET TO CPT4C-1
2311      KM FACILITY = GOWAN - CRAIG ROAD BRANCH
2312      KM FACILITY # = GOGR 0080
2313      KM LINING = RCP
2314      RD 2700 0.005 0.013 0 CIRC 10
          *

2315      KK PT4C-1
2316      BA 0.245
2317      PB 2.77
2318      LS 0 86.6
2319      UD 0.333
          *

2320      KK CPT4C-1
2321      KM COMBINE RCRAMDET AND PT4C-1
2322      KM CRAIG ROAD AND VALLEY
2323      HC 2
          *

2324      KKRCPT4C-1
2325      KM ROUTE CPT4C-1 TO CPT4C-2
2326      KM FACILITY = GOWAN - CRAIG ROAD BRANCH
2327      KM FACILITY # = GOGR 0080,0022
2328      KM LINING = RCP
2329      RD 2650 0.005 0.013 0 CIRC 10
          *

2330      KK PT4C-2

```

2331 BA 0.249
 2332 PB 2.77
 2333 LS 0 89.3
 2334 UD 0.250
 *
 2335 KK CPT4C-2
 2336 KM COMBINE RCPT4C-1 AND PT4C-2
 2337 KM CRAIG ROAD AND ALLEN
 2338 HC 2
 *
 2339 KKRCPT4C-2
 2340 KM ROUTE CPT4C-2 TO CC2AD-1
 2341 KM FACILITY = GOWAN - CRAIG ROAD BRANCH
 2342 KM FACILITY # = GOCR 0022
 2343 KM LINING = RCB
 2344 RD 2700 0.005 0.015 0 TRAP 16 0
 *

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HEC-1 INPUT

PAGE 63

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

2345 KK PT3D-1
 2346 BA 0.225
 2347 PB 2.77
 2348 LS 0 83.8
 2349 UD 0.333
 *
 2350 KK RPT3D-1
 2351 KM ROUTE PT3D-1 TO CPT3D-2
 2352 KM RED COACH
 2353 RD 2640 0.0049 0.016 0 TRAP 0 50
 *
 2354 KK PT3D-2
 2355 BA 0.261
 2356 PB 2.77
 2357 LS 0 86.9
 2358 UD 0.322
 *
 2359 KK CPT3D-2
 2360 KM COMBINE RPT3D-1 AND PT3D-2
 2361 KM RED COACH AND ALLEN
 2362 HC 2
 *
 2363 KKRCPT3D-2
 2364 KM ROUTE CPT3D-2 TO CC2AD-1
 2365 KM RED COACH
 2366 RD 1320 0.0114 0.016 0 TRAP 0 50
 *
 2367 KKDPT3AB1C
 2368 KM RETRIEVE DPT3AB1C
 2369 DRDPT3AB1C
 *
 2370 KKRDPT3AB1
 2371 KM ROUTE DPT3AB1C TO CC3AA1
 2372 KM ALONGE RANCHO
 2373 KM LINING = GRASS
 2374 RD 2800 0.0017 0.03 0 TRAP 30 4
 *
 2375 KKPT3AB1-C
 2376 BA 0.099
 2377 PB 2.77
 2378 LS 0 93.5
 2379 UD 0.300
 *

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HEC-1 INPUT

PAGE 64

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

2380 KK D3AB1C1
 2381 KM FLOW SPLIT TO PT3AA1-C
 2382 KM 30" CMP (CULVERT 15)
 2383 KM DIVERT 29 CFS
 2384 KM D2RCHO FROM US95/RANCHO FIS
 2385 DTDPT3AA13
 2386 DI 0 189 1000 10000
 2387 DQ 0 29 29 29
 *
 2388 KKDPT3AA11
 2389 KM RETRIEVE DPT3AA11
 2390 DRDPT3AA11
 *
 2391 KKRDPT3AA1

2392 KM ROUTE DPT3AA11 TO C3AA1
 2393 KM ALONGE RANCHO
 2394 KM LINING = UNLINED
 2395 RD 3400 0.0048 0.025 0 TRAP 20 3
 *

2396 KKDPT3AA13
 2397 KM RETRIEVE DPT3AA13
 2398 DRDPT3AA13
 *

2399 KKPT3AA1-C
 2400 BA 0.144
 2401 PB 2.77
 2402 LS 0 93.3
 2403 UD 0.383
 *

2404 KK C3AA1
 2405 KM COMBINE PT3AA1-C, DPT3AA11, AND RDPT3AA1
 2406 KM COMBINE WITH DIVERT FLOWS
 2407 HC 3
 *

2408 KK RC3AA1
 2409 KM ROUTE C3AA1 TO CC3AA1
 2410 KM FACILITY = PROPOSED
 2411 RD 1300 0.0038 0.013 0 CIRC 7.5
 *

2412 KK CC3AA1
 2413 KM COMBINE RC3AA1, D3AB1C1, AND RDPT3AB1
 2414 KM RANCHO AND LONE MOUNTAIN
 2415 HC 3
 *

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HEC-1 INPUT

PAGE 65

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

2416 KK RCC3AA1
 2417 KM ROUTE CC3AA1 TO CPT3AA2
 2418 KM FACILITY = GOWAN OUTFALL - LONE MOUNTAIN ROAD BRANCH
 2419 KM FACILITY # = GOLO 0275
 2420 KM LINING = RCB
 2421 RD 3000 0.0077 0.015 0 TRAP 8 0
 *

2422 KKPT3AA2-C
 2423 BA 0.144
 2424 PB 2.77
 2425 LS 0 91.0
 2426 UD 0.406
 *

2427 KK CPT3AA2
 2428 KM COMBINE PT3AA2-C AND RCC3AA1
 2429 KM LONE MOUNTAIN AND MAVERICK
 2430 HC 2
 *

2431 KK RPT3AA2
 2432 KM ROUTE CPT3AA2 TO CPT3AC1
 2433 KM FACILITY = GOWAN OUTFALL - LONE MOUNTAIN ROAD BRANCH
 2434 KM FACILITY # = GOLO 0253
 2435 KM LINING = RCB
 2436 RD 1200 0.0125 0.015 0 TRAP 10 0
 *

2437 KKPT2AA4-C
 2438 BA 0.564
 2439 PB 2.77
 2440 LS 0 86.8
 2441 UD 0.589
 *

2442 KK DPT2AA4
 2443 KM DIVERT TO PT2AB1-C
 2444 KM FLOW SPLIT AT JONES AND WASHBURN, DIVERT FLOW TO WASHBURN
 2445 KM THE CAPACITY OF THE WEST HALF OF JONES AT CROWN (76 CFS) IS
 2446 KM ASSUMED TO BE INELIGIBLE FOR THE FLOW SPLIT
 2447 KM REMAING FLOW CONTINUES SOUTH ON JONES
 2448 DT DPT2AB1
 2449 DI 0 20 50 77 176 376 576 1076 5076
 2450 DQ 0 1 1 1 59 180 296 571 2721
 *

2451 KK RPT2AA4
 2452 KM ROUTE DPT2AA4 TO CPT3AC1
 2453 KM JONES
 2454 RD 2600 0.0038 0.016 0 TRAP 0 50
 *

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HEC-1 INPUT

PAGE 66

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

2455 KKPT3AC1-C
 2456 BA 0.377
 2457 PB 2.77
 2458 LS 0 87.6
 2459 UD 0.572
 *

2460 KK CPT3AC1
 2461 KM COMBINE PT3AC1-C, RPT3AA2, AND RPT2AA4
 2462 KM JONES AND LONE MOUNTAIN
 2463 HC 3
 *

2464 KK RC3AC1C
 2465 KM ROUTE CPT3AC1 TO C2AB1C
 2466 KM FACILITY = GOWAN OUTFALL - LONE MOUNTAIN ROAD BRANCH
 2467 KM FACILITY # = GOLO 0228
 2468 KM LINING = RCB
 2469 RD 1300 0.01 0.015 0 TRAP 10 0
 *

2470 KK DPT2AB1
 2471 KM RETRIEVE DPT2AB1
 2472 DR DPT2AB1
 *

2473 KKRDPT2AB1
 2474 KM ROUTE DP2TAB1 TO CPT2AB1C
 2475 KM LEON
 2476 RD 3960 0.0063 0.016 0 TRAP 0 50
 *

2477 KKPT2AB1-C
 2478 BA 0.217
 2479 PB 2.77
 2480 LS 0 85.0
 2481 UD 0.467
 *

2482 KKCP2AB1C
 2483 KM COMBINE PT2AB1-C AND RDPT2AB1
 2484 HC 2
 *

2485 KK C2AB1C
 2486 KM COMBINE CPT2AB1 AND RC3AC1C
 2487 KM LEON AND LONE MOUNTAIN
 2488 HC 2
 *

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HEC-1 INPUT

PAGE 67

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

2489 KK RC2AB1C
 2490 KM ROUTE C2AB1C TO CPT2AB2
 2491 KM FACILITY = GOWAN OUTFALL - LONE MOUNTAIN ROAD BRANCH
 2492 KM FACILITY # = GOLO 0165
 2493 KM LINING = RCB
 2494 RD 3300 0.0121 0.015 0 TRAP 10 0
 *

2495 KK PT2AB2
 2496 BA 0.278
 2497 PB 2.77
 2498 LS 0 88.3
 2499 UD 0.460
 *

2500 KK CPT2AB2
 2501 KM COMBINE RC2AB1C AND PT2AB2
 2502 KM LONE MOUNTAIN AND PINION
 2503 HC 2
 *

2504 KKRCPT2AB2
 2505 KM ROUTE CPTAB2 TO C2AC2-C
 2506 KM FACILITY = GOWAN OUTFALL - LONE MOUNTAIN ROAD BRANCH
 2507 KM FACILITY # = GOLO 0152
 2508 KM LINING = RCB
 2509 RD 700 0.0071 0.015 0 TRAP 10 0
 *

2510 KK PT2AC1
 2511 BA 0.093
 2512 PB 2.77
 2513 LS 0 85.8
 2514 UD 0.356
 *

2515 KK RPT2AC1
 2516 KM ROUTE PT2AC1 TO CPT2AC2C
 2517 KM FROM CWH

2518 RD 5110 0.013 0.02 0 TRAP 40 2

*

2519 KKPT2AC2-C
2520 BA 0.278
2521 PB 2.77
2522 LS 0 88.3
2523 UD 0.269

*

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HEC-1 INPUT

PAGE 68

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

2524 KKCP2AC2C
2525 KM COMBINE RPT2AC1 AND PT2AC2-C
2526 HC 2

*

2527 KK C2AC2-C
2528 KM COMBINE RCPT2AB2 AND CPT2AC2C
2529 KM LONE MOUNTAIN AND DECATUR
2530 HC 2

*

2531 KKRC2AC2-C
2532 KM ROUTE C2AC2-C TO CPT2AD-1
2533 KM FACILITY = GOWAN OUTFALL - LONE MOUNTAIN ROAD BRANCH
2534 KM FACILITY # = GOLO 0025,0052,0100
2535 KM LINING = RCB
2536 RD 6750 0.004 0.015 0 TRAP 16 0

*

2537 KK PT2AD-1
2538 BA 0.314
2539 PB 2.77
2540 LS 0 84.1
2541 UD 0.550

*

2542 KKCP2AD-1
2543 KM COMBINE RC2AC2-C AND PT2AD-1
2544 KM COMBINATION AT FERRELL AND LONE MOUNTAIN
2545 HC 2

*

2546 KK RC2AD-1
2547 KM ROUTE CPT2AD-1 TO CC2AD-1
2548 KM FACILITY = GOWAN OUTFALL - FERRELL BRANCH
2549 KM FACILITY # = GOLO 0000,0001
2550 KM LINING = RCB
2551 RD 1370 0.0045 0.013 0 TRAP 13 0

*

2552 KK CC2AD-1
2553 KM COMBINE RC2AD-1, RCPT4C-2, AND RCPT3D-2
2554 KM RED COACH AND FERRELL
2555 HC 3

*

2556 KKRC2AD-1
2557 KM ROUTE CC2AD-1 TO CPT3D-3
2558 KM FACILITY = GOWAN OUTFALL - CRAIG ROAD BRANCH
2559 KM FACILITY # = GOCR 0000, GOOF 0196
2560 KM LINING = CONCRETE
2561 RD 1380 0.013 0.015 0 TRAP 20 2

*

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HEC-1 INPUT

PAGE 69

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

2562 KK PT3D-3
2563 BA 0.267
2564 PB 2.77
2565 LS 0 85.8
2566 UD 0.291

*

2567 KK CPT3D-3
2568 KM COMBINE RCDFER AND PT3D-3
2569 KM RED COACH AND SIMMONS
2570 HC 2

*

2571 KKCCPT3D-3
2572 KM COMBINE RCPT4C-3 AND CPT3D-3
2573 KM RED COACH AND SIMMONS
2574 HC 2

*

2575 KKRCPT3D-3
2576 KM ROUTE CCPT3D-3 TO CCPT2C1
2577 KM FACILITY = GOWAN OUTFALL FACILITIES
2578 KM FACILITY # = GOOF 0162,0150

2579 KM LINING = CONCRETE
 2580 RD 1350 0.0113 0.015 0 TRAP 20 2
 *
 2581 KK PT2AC3
 2582 BA 0.234
 2583 PB 2.77
 2584 LS 0 87.7
 2585 UD 0.268
 *
 2586 KK LOSPRAD
 2587 KM LOS PRADOS DETENTION BASIN
 2588 KM LOCAL FACILITY
 2589 KO 3
 2590 RS 1 STOR 0
 2591 SV 0 0.138 0.751 2.151 4.348 7.035 9.892 12.803 15.797
 2592 SE 20.26 21 22 23 24 25 25.25 25.5 26
 2593 SL 20.26 6.28 0.6 0.5
 2594 SS 25.15 280 3 1.5
 *
 2595 KK PT2AC4
 2596 BA 0.044
 2597 PB 2.774
 2598 LS 0 91.6
 2599 UD 0.201
 *

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HEC-1 INPUT

PAGE 70

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

2600 KK CPT2AC4
 2601 KM COMBINE LOSPRAD AND PT2AC4
 2602 KM LAWNWOOD AND DECATUR
 2603 HC 2
 *
 2604 KK RPT2AC4
 2605 KM ROUTE CPT2AC4 TO CPT2AD2
 2606 KM ROSADA CHANNEL
 2607 RD 9500 0.007 0.016 0 TRAP 0 50
 *
 2608 KK PT2AD-2
 2609 BA 0.459
 2610 PB 2.77
 2611 LS 0 86.0
 2612 UD 0.661
 *
 2613 KK CPT2AD2
 2614 KM COMBINE PT2AD-2 AND RPT2AC4
 2615 KM ROSADA CHANNEL AND SIMMONS
 2616 HC 2
 *
 2617 KKRCPT2AD2
 2618 KM ROUTE CPT2AD2 TO CPT2AD3
 2619 KM ROSADA CHANNEL
 2620 RD 2000 0.006 0.015 0 TRAP 12 2
 *
 2621 KK PT2AD-3
 2622 BA 0.117
 2623 PB 2.77
 2624 LS 0 88.4
 2625 UD 0.293
 *
 2626 KK CPT2AD3
 2627 KM COMBINE RCPT2AD2 AND PT2AD-3
 2628 KM ROSADA CHANNEL AND LONE MOUNTAIN
 2629 HC 2
 *
 2630 KKRCPT2AD3
 2631 KM ROUTE CPT2AD3 TO CPT2C-1
 2632 KM ROSADA CHANNEL
 2633 RD 1300 0.0054 0.015 0 TRAP 12 2
 *

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HEC-1 INPUT

PAGE 71

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

2634 KK PT2C-1
 2635 BA 0.128
 2636 PB 2.77
 2637 LS 0 91.4
 2638 UD 0.232
 *
 2639 KK CPT2C-1

```

2640      KM COMBINE RCPT2AD3 AND PT2C-1
2641      KM ROSADA CHANNEL AND GOWAN OUTFALL
2642      HC          2
          *

2643      KK CCPT2C1
2644      KM COMBINE RCPT3D-3 AND CPT2C-1
2645      KM ROSADA CHANNEL AND GOWAN OUTFALL
2646      HC          2
          *

2647      KKRCPT2C1
2648      KM ROUTE CCPT2C1 TO CCPT4B-1
2649      KM FACILITY = GOWAN OUTFALL FACILITIES
2650      KM FACILITY # = GOOF 0149,0147,0146
2651      KM LINING = CONCRETE
2652      RD 1380 0.0113 0.015      0      TRAP      20      2
          *

2653      KK WTO4B-1
2654      BA 0.193
2655      PB 2.77
2656      LS 0      90.0
2657      UD 0.406
          *

2658      KKRCWTO4B1
2659      KM ROUTE WTO4B-1 TO CWTO4B-2
2660      KM WASHBURN
2661      RD 2600 0.0069 0.016      0      TRAP      0      50
          *

2662      KK WTO4B-2
2663      BA 0.253
2664      PB 2.77
2665      LS 0      85.7
2666      UD 0.400
          *

2667      KKCWTO4B-2
2668      KM COMBINE RCWTO4B1 AND WTO4B-2
2669      KM ALLEN AND WASHBURN
2670      HC          2
          *

2671      KKRCWTO4B2
2672      KM ROUTE CWTO4B-2 TO CWTO4B-3
2673      KM WASHBURN
2674      RD 2700 0.012 0.016      0      TRAP      0      50
          *

2675      KK WTO4B-3
2676      BA 0.276
2677      PB 2.77
2678      LS 0      88.0
2679      UD 0.406
          *

2680      KKCWTO4B-3
2681      KM COMBINE RCWTO4B2 AND WTO4B-3
2682      KM WASHBURN AND CLAYTON
2683      HC          2
          *

2684      KKRCWTO4B3
2685      KM ROUTE CWT04B-3 TO CPT2B-1
2686      KM FACILITY = GOWAN OUTFALL - CLAYTON BRANCH
2687      KM FACILITY # = GOCL 0000
2688      KM LINING = RCB
2689      RD 6785 0.0061 0.015      0      TRAP      9      0
          *

2690      KK PT-2B-1
2691      BA 0.391
2692      PB 2.77
2693      LS 0      85.9
2694      UD 0.544
          *

2695      KK CPT2B-1
2696      KM COMBINE RCWTO4B3 AND PT-2B-1
2697      HC          2
          *

2698      KKCCPT2B-1
2699      KM COMBINE RCCPT2C1 AND CPT2B-1
2700      HC          2
          *

2701      KK PT4D-1
2702      BA 0.385

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HEC-1 INPUT

PAGE 72

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

2703 PB 2.77
2704 LS 0 87.7
2705 UD 0.561
*

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HEC-1 INPUT

PAGE 73

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

2706 KK CPT4D-1
2707 KM COMBINE PT4D-1 AND CCPT2B-1
2708 KM RED COACH AND CLAYTON
2709 HC 2
*

2710 KKRCPT4D-1
2711 KM ROUTE CPT4D-1 TO CPT2C-2
2712 KM FACILITY = GOWAN OUTFALL FACILITIES
2713 KM FACILITY # = GOOF 0077
2714 KM LINING = CONCRETE
2715 RD 2640 0.014 0.015 0 TRAP 20 2
*

2716 KK PT2C-2
2717 BA 0.256
2718 PB 2.77
2719 LS 0 84.1
2720 UD 0.300
*

2721 KK CPT2C-2
2722 KM COMBINE RCCPT2C1 AND PT2C-2
2723 KM GOWAN DRAINAGE CHANNEL AND MARTIN LUTHER KING
2724 HC 2
*

2725 KK PT-2B-2
2726 BA 0.309
2727 PB 2.77
2728 LS 0 86.8
2729 UD 0.472
*

2730 KK RPT2B-2
2731 KM ROUTE PT-2B-2 TO CCPT2C-2
2732 KM MARTIN LUTHER KING
2733 RD 1320 0.0114 0.016 0 TRAP 0 50
*

2734 KKCCPT2C-2
2735 KM COMBINE RPT2B-2 AND CPT2C-2
2736 KM GOWAN DRAINAGE CHANNEL AND MARTIN LUTHER KING
2737 HC 2
*

2738 KKRCPT2C2
2739 KM ROUTE CCPT2C-2 TO CRCPT2C2
2740 KM FACILITY = GOWAN OUTFALL FACILITIES
2741 KM FACILITY # = GOOF 0040,0074,0077
2742 KM LINING = CONCRETE
2743 RD 2600 0.006 0.015 0 TRAP 20 2
*

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HEC-1 INPUT

PAGE 74

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

2744 KK PT4D-2
2745 BA 0.247
2746 PB 2.77
2747 LS 0 94.3
2748 UD 0.327
*

2749 KK RPT4D-2
2750 KM ROUTE RPT4D-2 TO CRCPT2C2
2751 KM REVERE
2752 RD 2030 0.006 0.016 0 TRAP 0 50
*

2753 KKRCRCPT2C2
2754 KM COMBINE RCCPT2C2 AND RPT4D-2
2755 KM GOWAN DRAINAGE CHANNEL AND REVERE
2756 HC 2
*

2757 KKRRPT2C-2
2758 KM ROUTE CRCPT2C2 TO CPT2C-3
2759 KM FACILITY = GOWAN OUTFALL FACILITIES
2760 KM FACILITY # = GOOF 0000
2761 KM LINING = CONCRETE
2762 RD 2500 0.0125 0.015 0 TRAP 20 2
*

2763 KK PT2C-3

2764 BA 0.252
2765 PB 2.77
2766 LS 0 87.5
2767 UD 0.302
*

2768 KK CPT2C-3
2769 KM COMBINE RRPT2C-2 AND PT2C-3
2770 KM CONFLUENCE WITH LAS VEGAS WASH
2771 HC 2
*

2772 KK PT-2B-3
2773 BA 0.262
2774 PB 2.77
2775 LS 0 89.1
2776 UD 0.407
*

2777 KK CPT-2B-3
2778 KM COMBINE PT-2B-3 AND CPT2C-3
2779 KM CONFLUENCE WITH LAS VEGAS WASH
2780 HC 2
*

* *****
* END OF GOWAN WATERSHED INPUT
* *****
*

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HEC-1 INPUT

PAGE 75

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

2781 KK CGOWAN
2782 KM COMBINE RC086-C AND CPT-2B-3
2783 KM LAS VEGAS WASH MIDDLE @ GOWAN
2784 HC 2
*

2785 KK RRC086-C
2786 KM ROUTE CGOWAN TO CNN104-C
2787 KM FACILITY = LAS VEGAS WASH MIDDLE
2788 KM FACILITY ID-MILE = LVMD 1877
2789 KM LINING = CONCRETE
2790 RD 1570 0.011 0.015 0 TRAP 30 1
*

2791 KK NN104-C
2792 BA 0.365
2793 PB 2.77
2794 LS 0 88.2
2795 UD 0.472
*

2796 KK CNN104-C
2797 KM COMBINE NN104-C AND RRC086-C
2798 KM LAS VEGAS WASH MIDDLE @ COMMERCE
2799 HC 2
*

2800 KK RC104-C
2801 KM ROUTE CNN104-C TO CNN118-C
2802 KM FACILITY = LAS VEGAS WASH MIDDLE
2803 KM FACILITY ID-MILE = LVMD 1803,1805,1817,1876
2804 KM LINING = CONCRETE
2805 RD 3010 0.01 0.015 0 TRAP 32 0
*

2806 KK NN118-C
2807 BA 0.398
2808 PB 2.77
2809 LS 0 81.3
2810 UD 0.431
*

2811 KK CNN118-C
2812 KM COMBINE NN118-C AND RC104-C
2813 KM LAS VEGAS WASH MIDDLE @ 5TH
2814 HC 2
*

2815 KK RC118-C
2816 KM ROUTE CNN118-C TO 2C99A-4
2817 KM FACILITY = LAS VEGAS WASH MIDDLE
2818 KM FACILITY ID-MILE = LVMD 1790,1789
2819 KM LINING = CONCRETE
2820 RD 1645 0.016 0.015 0 TRAP 18 2
*

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HEC-1 INPUT

PAGE 76

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

2821 KK LV99A-1

2822 BA 0.360
 2823 PB 2.77
 2824 LS 0 86.9
 2825 UD 0.446
 *

 2826 KKRLV99A-1
 2827 KM ROUTE LV99A-1 TO CLV99A-2
 2828 KM LOCAL FACILITY
 2829 RD 2200 0.016 0.013 0 CIRC 6 0
 *

 2830 KK LV99A-2
 2831 BA 0.379
 2832 PB 2.77
 2833 LS 0 89.0
 2834 UD 0.323
 *

 2835 KKCLV99A-2
 2836 KM COMBINE LV99A-2 AND RLV99A-1
 2837 KM TRIB TO WEST TRIB AT ALEXANDER @ MARTIN LUTHER KING
 2838 HC 2
 *

 2839 KK RC99A-2
 2840 KM ROUTE CLV99A-2 TO CLV99A-3
 2841 KM FACILITY = TRIB. TO WESTERN TRIB. AT CRAIG ROAD
 2842 KM FACILITY ID-MILE = LV06 0025,0050,0053,0063,0075,0105,0107,0110
 2843 KM LINING = CONCRETE
 2844 RD 7600 0.009 0.015 0 TRAP 12 2
 *

 2845 KK LV99A-3
 2846 BA 0.567
 2847 PB 2.77
 2848 LS 0 88.8
 2849 UD 0.405
 *

 2850 KKCLV99A-3
 2851 KM COMBINE LV99A-3 AND RC99A-2
 2852 KM TRIB TO WEST TRIB AT CRAIG @ CANDLECREEK
 2853 HC 2
 *

 2854 KK RC99A-3
 2855 KM ROUTE CLV99A-3 TO CLV99A-4
 2856 KM FACILITY = TRIB. TO WESTERN TRIB. AT CRAIG ROAD
 2857 KM FACILITY ID-MILE = LV06 0000,0004,0011,0015,0018,0021,0024,0025
 2858 KM LINING = CONCRETE
 2859 RD 3260 0.0206 0.015 0 TRAP 12 2
 *

 2860 KK LV99A-4
 2861 BA 0.422
 2862 PB 2.77
 2863 LS 0 72.6
 2864 UD 0.497
 *

 2865 KKCLV99A-4
 2866 KM COMBINE LV99A-4 AND RC99A-3
 2867 KM TRIB TO WEST TRIB AT CRAIG @ LAS VEGAS WASH MIDDLE
 2868 HC 2
 *

 2869 KK 2C99A-4
 2870 KM COMBINE CLV99A-4 AND RC118-C
 2871 KM LAS VEGAS WASH MIDDLE @ CRAIG ROAD
 2872 HC 2
 *

 2873 KK RC99A-4
 2874 KM ROUTE 2C99A-4 TO CNN134-C
 2875 KM FACILITY = LAS VEGAS WASH MIDDLE
 2876 KM FACILITY ID-MILE = LVMD 1717
 2877 KM LINING = CONCRETE
 2878 RD 2785 0.01 0.015 0 TRAP 20 2
 *

 2879 KK NN134-C
 2880 BA 0.294
 2881 PB 2.77
 2882 LS 0 88.7
 2883 UD 0.358
 *

 2884 KKCNN134-C
 2885 KM COMBINE NN134-C AND RC99A-4
 2886 KM LAS VEGAS WASH MIDDLE @ ARCATA WAY

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HEC-1 INPUT

PAGE 77

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

2887 HC 2
*
2888 KK RC134-C
2889 KM ROUTE CNN134-C TO 2C99B-6
2890 KM FACILITY = LAS VEGAS WASH MIDDLE
2891 KM FACILITY ID-MILE = LVMD 1715,1716,1717
2892 KM LINING = CONCRETE
2893 RD 1367 0.01 0.015 0 TRAP 20 2
*
2894 KK LV99B-1
2895 BA 0.231
2896 PB 2.77
2897 LS 0 88.4
2898 UD 0.407
*

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HEC-1 INPUT

PAGE 78

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

2899 KKRLV99B-1
2900 KM ROUTE LV99B-1 TO CLV99B-2
2901 KM GOWAN TO REVERE
2902 RD 3600 0.015 0.016 0 TRAP 50 0
*
2903 KK LV99B-2
2904 BA 0.194
2905 PB 2.77
2906 LS 0 89.6
2907 UD 0.230
*
2908 KKCLV99B-2
2909 KM COMBINE LV99B-2 AND RLV99B-1
2910 KM TRIB TO WEST TRIB AT ALEXANDER @ REVERE
2911 HC 2
*

2912 KK RC99B-2
2913 KM ROUTE CLV99B-2 TO CLV99B-3
2914 KM FACILITY = TRIB. TO WESTERN TRIB. AT ALEXANDER
2915 KM FACILITY ID-MILE = LV05 0131 AND LOCAL FACILITY
2916 KM LINING = CONCRETE
2917 RD 3000 0.0076 0.015 0 TRAP 28 3
*

2918 KK LV99B-3
2919 BA 0.217
2920 PB 2.77
2921 LS 0 87.9
2922 UD 0.300
*

2923 KKCLV99B-3
2924 KM COMBINE LV99B-3 AND RC99B-2
2925 KM TRIB TO WEST TRIB AT ALEXANDER @ COMMERCE
2926 HC 2
*

2927 KK RC99B-3
2928 KM ROUTE CLV99B-3 TO CLV99B-4
2929 KM FACILITY = TRIB. TO WESTERN TRIB. AT ALEXANDER
2930 KM FACILITY ID-MILE = LV05 0066,0074,0097,0100,0130
2931 KM LINING = CONCRETE
2932 RD 3250 0.028 0.015 0 TRAP 12 0
*

2933 KK LV99B-4
2934 BA 0.532
2935 PB 2.77
2936 LS 0 87.3
2937 UD 0.312
*

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HEC-1 INPUT

PAGE 79

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

2938 KKCLV99B-4
2939 KM COMBINE LV99B-4 AND RC99B-3
2940 KM TRIB TO WEST TRIB AT ALEXANDER @ 5TH
2941 HC 2
*

2942 KK RC99B-4
2943 KM ROUTE CLV99B-4 TO CLV99B-6
2944 KM FACILITY = TRIB. TO WESTERN TRIB. AT ALEXANDER
2945 KM FACILITY ID-MILE = LV05 0000,0008,0009,0023,0025,0036,0042,0048,0051,0054
2946 KM LINING = CONCRETE
2947 RD 3985 0.012 0.015 0 TRAP 16 0
*

```

2948      KK LV99B-6
2949      BA 0.259
2950      PB 2.77
2951      LS 0      94.1
2952      UD 0.400
          *

2953      KKCLV99B-6
2954      KM COMBINE LV99B-6 AND RC99B-4
2955      KM TRIB TO WEST TRIB AT ALEXANDER @ LAS VEGAS WASH MIDDLE
2956      HC 2
          *

2957      KK 2C99B-6
2958      KM COMBINE CLV99B-6 AND RC134-C
2959      KM LAS VEGAS WASH MIDDLE @ ALEXANDER
2960      HC 2
          *

2961      KK RC99B-6
2962      KM ROUTE 2C99B-6 TO CLV99B-5
2963      KM FACILITY = LAS VEGAS WASH MIDDLE
2964      KM FACILITY ID-MILE = LVMD 1670,1677,1679,1680,1689
2965      KM LINING = CONCRETE
2966      RD 2140 0.004 0.015 0 TRAP 80 2
          *

2967      KK LV99B-5
2968      BA 0.596
2969      PB 2.77
2970      LS 0      94.3
2971      UD 0.308
          *

2972      KKCLV99B-5
2973      KM COMBINE LV99B-5 AND RC99B-6
2974      HC 2
          *

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HEC-1 INPUT

PAGE 80

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

2975      KK 41
2976      BA 5.120
2977      PB 3.51
2978      LS 0      86.0
2979      UD 0.634
          *

2980      KK R41
2981      KM ROUTE 41 TO C302
2982      KM NATURAL WASH
2983      KM TRAVEL LENGTH = 19,000
2984      KM SLOPE = 4.8%
2985      KM N = 0.040
2986      KM HYDRAULIC RADIUS = 1.5
2987      KM VELOCITY = 17.1
2988      RM 4 0.308 0.15
          *

2989      KK 302
2990      BA 6.148
2991      PB 3.37
2992      LS 0      85.8
2993      UD 0.727
          *

2994      KK C302
2995      KM COMBINE 302 AND R41
2996      HC 2
          *

2997      KK RC302
2998      KM ROUTE C302 TO C42B
2999      KM NATURAL WASH
3000      KM TRAVEL LENGTH = 9,000
3001      KM SLOPE = 5.3%
3002      KM N = 0.040
3003      KM HYDRAULIC RADIUS = 1.5
3004      KM VELOCITY = 18.0
3005      RM 2 0.139 0.15
          *

3006      KK 303
3007      BA 4.220
3008      PB 3.15
3009      LS 0      84.0
3010      UD 0.611
          *

3011      KK 42B
3012      BA 4.118
3013      PB 3.23
3014      LS 0      84.5

```

3015 UD 0.819
 *
 HEC-1 INPUT
 LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

3016 KK C42B
 3017 KM COMBINE 42B, 303 AND RC302
 3018 HC 3
 *

3019 KK RC42B
 3020 KM ROUTE C42B TO C42A
 3021 KM NATURAL WASH
 3022 KM TRAVEL LENGTH = 8,000
 3023 KM SLOPE = 5.0%
 3024 KM N = 0.040
 3025 KM HYDRAULIC RADIUS = 1.5
 3026 KM VELOCITY = 17.5
 3027 RM 2 0.127 0.15
 *

3028 KK 42A
 3029 BA 9.478
 3030 PB 3.12
 3031 LS 0 85.4
 3032 UD 0.888
 *

3033 KK C42A
 3034 KM COMBINE 42A AND RC42B
 3035 HC 2
 *

3036 KK RC42A
 3037 KM ROUTE C42A TO C43
 3038 KM NATURAL WASH
 3039 KM TRAVEL LENGTH = 14,500
 3040 KM SLOPE = 4.7%
 3041 KM N = 0.040
 3042 KM HYDRAULIC RADIUS = 1.5
 3043 KM VELOCITY = 16.9
 3044 RM 3 0.238 0.15
 *

3045 KK 43
 3046 BA 7.687
 3047 PB 2.94
 3048 LS 0 83.8
 3049 UD 0.752
 *

3050 KK C43
 3051 KM COMBINE 43 AND RC42A
 3052 HC 2
 *

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

3053 KK RC43
 3054 KM ROUTE C43 TO C309
 3055 KM NATURAL WASH
 3056 KM TRAVEL LENGTH = 12,000
 3057 KM SLOPE = 4.4%
 3058 KM N = 0.040
 3059 KM HYDRAULIC RADIUS = 1.5
 3060 KM VELOCITY = 16.4
 3061 RM 2 0.203 0.15
 *

3062 KK 309
 3063 BA 6.249
 3064 PB 2.80
 3065 LS 0 83.1
 3066 UD 1.001
 *

3067 KK C309
 3068 KM COMBINE 309 AND RC43
 3069 HC 2
 *

3070 KK RC309
 3071 KM ROUTE C309 TO C213A
 3072 KM FACILITY = RANGE WASH - LAS VEGAS WASH DIVERSION
 3073 KM FACILITY ID-MILE = LVRW 0057
 3074 KM LINING = UNLINED
 3075 RD 2700 0.008 0.025 0 TRAP 120 3
 *

3076 KK 213H
 3077 BA 0.525

3078 PB 2.77
 3079 LS 0 87.6
 3080 UD 0.324
 *
 3081 KK R213H
 3082 KM ROUTE 213H TO 213A
 3083 KM WALNUT
 3084 RD 4600 0.043 0.016 0 TRAP 0 50
 *
 3085 KK 213A
 3086 BA 0.438
 3087 PB 2.77
 3088 LS 0 84.3
 3089 UD 0.307
 *

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HEC-1 INPUT

PAGE 83

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

3090 KK C213A
 3091 KM COMBINE 213A, R213H AND RC309
 3092 KM RANGE WASH-LAS VEGAS WASH DIVERSION @ WALNUT
 3093 HC 3
 *

3094 KK RC213A
 3095 KM ROUTE C213A TO C213B
 3096 KM FACILITY = RANGE WASH - LAS VEGAS WASH DIVERSION
 3097 KM FACILITY ID-MILE = LVRW 0057
 3098 KM LINING = UNLINED
 3099 RD 2600 0.008 0.025 0 TRAP 120 3
 *

3100 KK 213G
 3101 BA 0.557
 3102 PB 2.77
 3103 LS 0 88.4
 3104 UD 0.305
 *

3105 KK R213G
 3106 KM ROUTE 213G TO 213B
 3107 KM PECOS
 3108 RD 4600 0.043 0.016 0 TRAP 0 50
 *

3109 KK 213B
 3110 BA 0.476
 3111 PB 2.77
 3112 LS 0 83.9
 3113 UD 0.298
 *

3114 KK C213B
 3115 KM COMBINE 213B, R213G AND RC213A
 3116 KM RANGE WASH-LAS VEGAS WASH DIVERSION @ PECOS
 3117 HC 3
 *

3118 KK RC213B
 3119 KM ROUTE C213B TO C213C
 3120 KM FACILITY = RANGE WASH - LAS VEGAS WASH DIVERSION
 3121 KM FACILITY ID-MILE = LVRW 0057
 3122 KM LINING = UNLINED
 3123 RD 2600 0.008 0.025 0 TRAP 120 3
 *

3124 KK 213F
 3125 BA 0.511
 3126 PB 2.77
 3127 LS 0 87.7
 3128 UD 0.276
 *

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HEC-1 INPUT

PAGE 84

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

3129 KK R213F
 3130 KM ROUTE 213F TO C213C
 3131 KM STATZ
 3132 RD 4500 0.036 0.016 0 TRAP 0 50
 *

3133 KK 213C
 3134 BA 0.441
 3135 PB 2.77
 3136 LS 0 87.2
 3137 UD 0.278
 *

3138 KK C213C

```

3139      KM COMBINE 213C, R213F AND RC213B
3140      KM RANGE WASH-LAS VEGAS WASH DIVERSION @ STATZ
3141      HC      3
          *

3142      KK RC213C
3143      KM ROUTE C213C TO CC213D
3144      KM FACILITY = RANGE WASH - LAS VEGAS WASH DIVERSION
3145      KM FACILITY ID-MILE = LVRW 0057,0001
3146      KM LINING = UNLINED
3147      RD      3100  0.016  0.025      0  TRAP      120      3
          *

3148      KK      305A
3149      BA      6.489
3150      PB      2.88
3151      LS      0      84.1
3152      UD      0.801
          *

3153      KK      305
3154      BA      2.602
3155      PB      2.83
3156      LS      0      83.8
3157      UD      0.560
          *

3158      KK      C305
3159      KM COMBINE 305 AND 305A
3160      HC      2
          *

3161      KK RC305
3162      KM ROUTE C305 TO C213E
3163      KM FACILITY = UPPER LAS VEGAS WASH - LOSEE NORTH CHANNEL
3164      KM FACILITY ID-MILE = LVLS 0102
3165      KM LINING = GABION
3166      RD      5000  0.029  0.025      0  TRAP      75      3
          *

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          HEC-1 INPUT
          PAGE 85

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

3167      KK      213E
3168      BA      0.503
3169      PB      2.77
3170      LS      0      87.2
3171      UD      0.291
          *

3172      KK      C213E
3173      KM COMBINE 213E AND R305
3174      HC      2
          *

3175      KK RC213E
3176      KM ROUTE C213E TO C213D
3177      KM FACILITY = UPPER LAS VEGAS WASH - LOSEE NORTH CHANNEL
3178      KM FACILITY ID-MILE = LVLS 0000
3179      KM LINING = GABION
3180      KM LOSEE
3181      RD      5400  0.028  0.025      0  TRAP      75      3
          *

3182      KK      213D
3183      BA      0.450
3184      PB      2.77
3185      LS      0      87.2
3186      UD      0.323
          *

3187      KK      C213D
3188      KM COMBINE 213D AND RC213E
3189      KM RANGE WASH-LAS VEGAS WASH DIVERSION @ LOSEE
3190      HC      2
          *

3191      KK CC213D
3192      KM COMBINE C213D AND RC213C
3193      KM RANGE WASH-LAS VEGAS WASH DIVERSION @ LOSEE
3194      HC      2
          *

3195      KK RCC213D
3196      KM ROUTE C213D TO C306A
3197      KM FACILITY = RANGE WASH - LAS VEGAS WASH DIVERSION
3198      KM FACILITY ID-MILE = LVRW 0000
3199      KM LINING = UNLINED
3200      RD      3750  0.025  0.025      0  TRAP      65      2
          *

3201      KK      306A
3202      BA      0.346
3203      PB      2.77

```

3204 LS 0 87.9
3205 UD 0.279
*

HEC-1 INPUT

1

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

3206 KK C306A
3207 KM COMBINE 306A AND RCC213D
3208 HC 2
*

3209 KK 115
3210 BA 0.558
3211 PB 2.77
3212 LS 0 82.2
3213 UD 0.375
*

3214 KK NW166-C
3215 BA 0.351
3216 PB 2.77
3217 LS 0 80.6
3218 UD 0.522
*

3219 KKRNW166-C
3220 KM ROUTE NW166C TO CNW186-C
3221 KM IRON MOUNTAIN
3222 RD 5100 0.0059 0.016 0 TRAP 0 50
*

3223 KK NW186-C
3224 BA 0.508
3225 PB 2.77
3226 LS 0 83.0
3227 UD 0.544
*

3228 KKCWN186-C
3229 KM COMBINE NW186-C AND RNW166-C
3230 KM IRON MOUNTAIN AND JONES
3231 HC 2
*

3232 KK RC186-C
3233 KM ROUTE CNW186-C TO CNW206-C
3234 KM IRON MOUNTAIN
3235 RD 5800 0.0077 0.016 0 TRAP 0 50
*

3236 KK NW206-C
3237 BA 0.297
3238 PB 2.77
3239 LS 0 82.2
3240 UD 0.594
*

HEC-1 INPUT

1

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

3241 KKDWN206-C
3242 KM DIVERT 84 CFS SOUTH ON BRADLEY AT IRON MOUNTAIN RD
3243 KM REFERENCED FROM TECHNICAL DRAINAGE STUDY FOR GRAND TETON
3244 KM DRIVE STROM DRAIN AND AREA 1 ROADWAY IMPROVEMENTS
3245 KM BY G.C.WALLACE DATED NOVEMBER 2006
3246 DTDNW205-C
3247 DI 0 100 200 500 1000 5000
3248 DQ 0 84 84 84 84 84
*

3249 KKCWN206-C
3250 KM COMBINE NW206C AND RC186-C
3251 HC 2
*

3252 KK RC206-C
3253 KM ROUTE CNW206-C TO 2C115
3254 KM FACILITY = UPPER LAS VEGAS WASH
3255 KM FACILITY ID-MILE = LVUP 0493
3256 KM NATURAL WASH
3257 KM TRAVEL LENGTH = 3,400
3258 KM SLOPE = 1.0%
3259 KM N = 0.040
3260 KM HYDRAULIC RADIUS = 1.5
3261 KM VELOCITY = 8.0
3262 RM 1 0.119 0.15
*

3263 KK 2C115
3264 KM COMBINE RC206-C AND 115
3265 KM UPPER LAS VEGAS WASH @ AVIARY
3266 HC 2

```

*
3267      KK   RC115
3268      KM   ROUTE 2C115 TO C109B
3269      KM   FACILITY = UPPER LAS VEGAS WASH
3270      KM   FACILITY ID-MILE = LVUP 0493
3271      KM   NATURAL WASH
3272      KM   TRAVEL LENGTH = 3,000
3273      KM   SLOPE = 1.0%
3274      KM   N = 0.040
3275      KM   HYDRAULIC RADIUS = 1.5
3276      KM   VELOCITY = 8.0
3277      RM       1   0.105   0.15
*

3278      KK   109C
3279      BA   0.494
3280      PB   2.77
3281      LS       0   82.6
3282      UD   0.325
*

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HEC-1 INPUT

PAGE 88

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

```

3283      KK   109B
3284      BA   0.606
3285      PB   2.77
3286      LS       0   82.1
3287      UD   0.381
*

3288      KK   C109B
3289      KM   COMBINE 109B, 109C AND RC115
3290      KM   UPPER LAS VEGAS WASH @ ALIANTE
3291      HC       3
*

```

```

3292      KK   RC109B
3293      KM   ROUTE C109B TO C109A
3294      KM   FACILITY = UPPER LAS VEGAS WASH
3295      KM   FACILITY ID-MILE = LVUP 0493
3296      KM   NATURAL WASH
3297      KM   TRAVEL LENGTH = 2,800
3298      KM   SLOPE = 1.0%
3299      KM   N = 0.040
3300      KM   HYDRAULIC RADIUS = 1.5
3301      KM   VELOCITY = 8.0
3302      RM       1   0.098   0.15
*

```

```

3303      KK   101E
3304      BA   0.492
3305      PB   2.77
3306      LS       0   82.5
3307      UD   0.327
*

```

```

3308      KK   R101E
3309      KM   ROUTE 101E TO 109A
3310      KM   SIMMONS
3311      RD   1400  0.021  0.016   0   TRAP   0   50
*

```

```

3312      KK   GT03A
3313      BA   0.582
3314      PB   2.77
3315      LS       0   83.9
3316      UD   0.733
*

```

```

3317      KK   109A
3318      BA   0.174
3319      PB   2.77
3320      LS       0   80.6
3321      UD   0.236
*

```

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HEC-1 INPUT

PAGE 89

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

```

3322      KK   C109A
3323      KM   COMBINE 109A, GT03A, R101E AND RC109B
3324      KM   UPPER LAS VEGAS WASH @ SIMMONS
3325      HC       4
*

3326      KK   RC109A
3327      KM   ROUTE C109A TO C101D
3328      KM   FACILITY = UPPER LAS VEGAS WASH
3329      KM   FACILITY ID-MILE = LVUP 0493
3330      KM   NATURAL WASH
3331      KM   TRAVEL LENGTH = 3,100

```

```

3332      KM  SLOPE = 1.0%
3333      KM  N = 0.040
3334      KM  HYDRAULIC RADIUS = 1.5
3335      KM  VELOCITY = 8.0
3336      RM  1  0.108  0.15
          *

3337      KK  101F
3338      BA  0.486
3339      PB  2.77
3340      LS  0      87.3
3341      UD  0.301
          *

3342      KK  RC101F
3343      KM  ROUTE 101F TO C101D
3344      KM  CLAYTON
3345      RD  2300  0.03  0.016      0  TRAP      0  50
          *

3346      KK  101D
3347      BA  0.252
3348      PB  2.77
3349      LS  0      79.5
3350      UD  0.255
          *

3351      KK  C101D
3352      KM  COMBINE 101D, RC101F AND RC109A
3353      KM  UPPER LAS VEGAS WASH @ CLAYTON
3354      HC  3
          *

3355      KK  RC101D
3356      KM  ROUTE C101D TO 2C101C
3357      KM  FACILITY = UPPER LAS VEGAS WASH
3358      KM  FACILITY ID-MILE = LVUP 0493
3359      KM  NATURAL WASH
3360      KM  TRAVEL LENGTH = 3,000
3361      KM  SLOPE = 1.0%
3362      KM  N = 0.040
3363      KM  HYDRAULIC RADIUS = 1.5

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HEC-1 INPUT

PAGE 90

```

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

3364      KM  VELOCITY = 8.0
3365      RM  1  0.105  0.15
          *

3366      KK  101G
3367      BA  0.493
3368      PB  2.77
3369      LS  0      87.4
3370      UD  0.281
          *

3371      KK  R101G
3372      KM  ROUTE 101G TO C101C
3373      KM  HIGHLAND
3374      RD  3200  0.033  0.016      0  TRAP      0  50
          *

3375      KK  101C
3376      BA  0.321
3377      PB  2.77
3378      LS  0      83.8
3379      UD  0.265
          *

3380      KK  C101C
3381      KM  COMBINE 101C, R101G AND RC101D
3382      KM  UPPER LAS VEGAS WASH @ HIGHLAND
3383      HC  3
          *

3384      KK  RC101C
3385      KM  ROUTE 2C101C TO C101B
3386      KM  FACILITY = UPPER LAS VEGAS WASH
3387      KM  FACILITY ID-MILE = LVUP 0493
3388      KM  NATURAL WASH
3389      KM  TRAVEL LENGTH = 3,000
3390      KM  SLOPE = 1.0%
3391      KM  N = 0.040
3392      KM  HYDRAULIC RADIUS = 1.5
3393      KM  VELOCITY = 8.0
3394      RM  1  0.105  0.15
          *

3395      KK  101H
3396      BA  0.500
3397      PB  2.77
3398      LS  0      88.7
3399      UD  0.275
          *

```

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

3400 KK R101H
3401 KM ROUTE 101H TO C101B
3402 KM REVERE
3403 RD 3700 0.038 0.016 0 TRAP 0 50
*

3404 KK 101B
3405 BA 0.373
3406 PB 2.77
3407 LS 0 84.5
3408 UD 0.282
*

3409 KK C101B
3410 KM COMBINE 101B, R101H AND RC101C
3411 KM UPPER LAS VEGAS WASH @ REVERE
3412 HC 3
*

3413 KK RC101B
3414 KM ROUTE C101B TO C101A
3415 KM FACILITY = UPPER LAS VEGAS WASH
3416 KM FACILITY ID-MILE = LVUP 0493
3417 KM NATURAL WASH
3418 KM TRAVEL LENGTH = 3,200
3419 KM SLOPE = 1.0%
3420 KM N = 0.040
3421 KM HYDRAULIC RADIUS = 1.5
3422 KM VELOCITY = 8.0
3423 RM 1 0.112 0.15
*

3424 KK 101A
3425 BA 0.473
3426 PB 2.77
3427 LS 0 84.9
3428 UD 0.306
*

3429 KK C101A
3430 KM COMBINE 101A AND RC101B
3431 HC 2
*

3432 KK 306G
3433 BA 0.476
3434 PB 2.77
3435 LS 0 87.2
3436 UD 0.370
*

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

3437 KK R306G
3438 KM ROUTE 306G TO C306F
3439 KM BRUCE
3440 RD 5400 0.026 0.016 0 TRAP 0 50
*

3441 KK 306F
3442 BA 0.516
3443 PB 2.77
3444 LS 0 87.2
3445 UD 0.362
*

3446 KK C306F
3447 KM COMBINE 306F AND R306G
3448 HC 2
*

3449 KK RC306F
3450 KM ROUTE C306F TO C306E
3451 KM FACILITY = GRAND TETON DRIVE CHANNEL WEST
3452 KM FACILITY ID-MILE = GTWE 0000
3453 KM LINING = CONCRETE
3454 RD 2600 0.008 0.015 0 TRAP 27 0
*

3455 KK 306H
3456 BA 0.488
3457 PB 2.77
3458 LS 0 87.4
3459 UD 0.309
*

3460 KK R306H
3461 KM ROUTE 306H TO 3C06E

3462 KM DONNA
 3463 RD 5400 0.028 0.016 0 TRAP 0 50
 *
 3464 KK 306E
 3465 BA 0.525
 3466 PB 2.77
 3467 LS 0 87.0
 3468 UD 0.366
 *
 3469 KK C306E
 3470 KM COMBINE 306E, R306H AND RC306F
 3471 HC 3
 *

1

HEC-1 INPUT

PAGE 93

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

3472 KK RC306E
 3473 KM ROUTE C306E TO C306D
 3474 KM FACILITY = GRAND TETON DRIVE CHANNEL WEST
 3475 KM FACILITY ID-MILE = GTWE 0000
 3476 KM LINING = CONCRETE
 3477 RD 2000 0.008 0.015 0 TRAP 27 0
 *

3478 KK 306I
 3479 BA 0.490
 3480 PB 2.77
 3481 LS 0 88.4
 3482 UD 0.294
 *

3483 KK R306I
 3484 KM ROUTE 306I TO C306D
 3485 KM COMMERCE
 3486 RD 5300 0.036 0.016 0 TRAP 0 50
 *

3487 KK 306D
 3488 BA 0.525
 3489 PB 2.77
 3490 LS 0 87.0
 3491 UD 0.348
 *

3492 KK C306D
 3493 KM COMBINE 306D, R306I AND RC306E
 3494 KM UPPER LAS VEGAS WASH @ GRAND TETON & COMMERCE
 3495 HC 3
 *

3496 KK 2C306D
 3497 KM COMBINE C306D AND C101A
 3498 KM UPPER LAS VEGAS WASH @ GRAND TETON & COMMERCE
 3499 HC 2
 *

3500 KK NW174
 3501 BA 0.270
 3502 PB 2.77
 3503 LS 0 83.0
 3504 UD 0.417
 *

3505 KK RNW174
 3506 KM ROUTE NW174 TO CNW184-C
 3507 KM HORSE
 3508 RD 2600 0.004 0.016 0 TRAP 0 50
 *

1

HEC-1 INPUT

PAGE 94

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

3509 KK NW184-C
 3510 BA 0.263
 3511 PB 2.77
 3512 LS 0 86.0
 3513 UD 0.417
 *

3514 KKCWN184-C
 3515 KM COMBINE NW184-C AND RNW174
 3516 KM HORSE AND JONES
 3517 HC 2
 *

3518 KK RC184-C
 3519 KM ROUTE NW184-C TO CNW182-C
 3520 KM JONES
 3521 RD 2600 0.0074 0.016 0 TRAP 0 50
 *

3522 KK NW182-C
 3523 BA 0.267
 3524 PB 2.77
 3525 LS 0 83.2
 3526 UD 0.433
 *
 3527 KCCNW182-C
 3528 KM COMBINE NW182-C AND RC184-C
 3529 KM GRAND TETON AND JONES
 3530 HC 2
 *
 3531 KK RC182-C
 3532 KM ROUTE CNW182-C TO CNW192-C
 3533 KM GRAND TETON
 3534 RD 2600 0.004 0.016 0 TRAP 0 50
 *
 3535 KK NW192-C
 3536 BA 0.267
 3537 PB 2.77
 3538 LS 0 84.3
 3539 UD 0.428
 *
 3540 KCCNW192-C
 3541 KM COMBINE NW192-C AND RC182-C
 3542 KM GRAND TETON AND BRADLEY
 3543 HC 2
 *

1

HEC-1 INPUT

PAGE 95

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

3544 KK RC192-C
 3545 KM ROUTE CNW192-C TO CNW202-C
 3546 KM GRAND TETON
 3547 RD 2600 0.005 0.016 0 TRAP 0 50
 *
 3548 KKDNW205-C
 3549 KM RETRIEVE DNW205-C
 3550 DRDNW205-C
 *
 3551 KKRDW205-C
 3552 KM ROUTE DNW205-C TO CNW205-C
 3553 RD 5250 0.005 0.016 0 TRAP 0 50
 *
 3554 KK NW205-C
 3555 BA 0.377
 3556 PB 2.77
 3557 LS 0 83.0
 3558 UD 0.550
 *
 3559 KCCNW205-C
 3560 KM COMBINE RDW205-C AND NW205-C
 3561 KM DECATUR AND HORSE DRIVE
 3562 HC 2
 *
 3563 KKRCNW205-C
 3564 KM ROUTE CNW205-C TO CNW202-C
 3565 KM FACILITY = GRAND TETON DRIVE CHANNEL EAST
 3566 KM FACILITY ID-MILE = GTEA 0360
 3567 KM LINING = RCB
 3568 RD 2650 0.004 0.015 0 TRAP 6 0
 *
 3569 KK NW202-C
 3570 BA 0.256
 3571 PB 2.77
 3572 LS 0 85.4
 3573 UD 0.411
 *
 3574 KCCNW202-C
 3575 KM COMBINE NW202-C, RNW205-C AND RC192-C
 3576 KM GRAND TETON AND DECATUR
 3577 HC 3
 *

1

HEC-1 INPUT

PAGE 96

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

3578 KK RC202-C
 3579 KM ROUTE CNW202-C TO CGT03B
 3580 KM FACILITY = GRAND TETON DRIVE CHANNEL EAST
 3581 KM FACILITY ID-MILE = GTEA 0263,0347,0355

```

3582      KM  LINING = RCAP
3583      RD  5161  0.005  0.015      0  TRAP      12      0
          *

3584      KK  GT03B
3585      BA  0.552
3586      PB  2.77
3587      LS  0      87.6
3588      UD  0.261
          *

3589      KK  CGT03B
3590      KM  COMBINE GT03B AND RC202-C
3591      KM  GRAND TETON CHANNEL EAST @ ALIANTE
3592      HC  2
          *

3593      KK  RCGT03B
3594      KM  ROUTE CGT03B TO CGT03D
3595      KM  FACILITY = GRAND TETON DRIVE CHANNEL EAST
3596      KM  FACILITY ID-MILE = GTEA 0161
3597      KM  LINING = RCB
3598      RD  5385  0.0066  0.015      0  TRAP      12      0
          *

3599      KK  GT03D
3600      BA  0.241
3601      PB  2.77
3602      LS  0      82.9
3603      UD  0.533
          *

3604      KK  CGT03D
3605      KM  COMBINE GT03D AND RCGT03B
3606      KM  GRAND TETON CHANNEL EAST @ CLAYTON
3607      HC  2
          *

3608      KK  RCGT03D
3609      KM  ROUTE CGT03D TO CC306D
3610      KM  FACILITY = GRAND TETON DRIVE CHANNEL EAST
3611      KM  FACILITY ID-MILE = GTEA 0000,0093
3612      KM  LINING = RCAP
3613      RD  8527  0.013  0.015      0  TRAP      12      0
          *

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HEC-1 INPUT

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

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3614      KK  CC306D
3615      KM  COMBINE RCGT03D AND 2C306D
3616      KM  UPPER LAS VEGAS WASH @ GRAND TETON & COMMERCE
3617      HC  2
          *

3618      KK  RCC306D
3619      KM  ROUTE CC306D TO CCELK06C
3620      KM  FACILITY = UPPER LAS VEGAS WASH
3621      KM  FACILITY ID-MILE = LVUP 0446
3622      KM  NATURAL WASH
3623      KM  TRAVEL LENGTH = 2,500
3624      KM  SLOPE = 1.0%
3625      KM  N = 0.040
3626      KM  HYDRAULIC RADIUS = 1.5
3627      KM  VELOCITY = 7.8
3628      RM  1  0.089  0.15
          *

3629      KK  GT03E
3630      BA  0.740
3631      PB  2.77
3632      LS  0      86.4
3633      UD  0.828
          *

3634      KK  RGT03E
3635      KM  ROUTE GT03E TO CELK06
3636      KM  NATURAL WASH
3637      KM  TRAVEL LENGTH = 3,000
3638      KM  SLOPE = 1.2%
3639      KM  N = 0.040
3640      KM  HYDRAULIC RADIUS = 1.5
3641      KM  VELOCITY = 8.6
3642      RM  1  0.097  0.15
          *

3643      KK  ELK06C
3644      BA  0.642
3645      PB  2.77
3646      LS  0      87.2
3647      UD  0.520
          *

3648      KK  CELK06C

```

3649 KM COMBINE ELK06C AND RGT03E
3650 HC 2
*

HEC-1 INPUT

1

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

3651 KK RCELK06
3652 KM ROUTE RCELK06 TO CCELK06
3653 KM FACILITY = FARM ROAD CHANNEL EAST
3654 KM FACILITY ID-MILE = FMEA 0000
3655 KM LINING = RCB
3656 RD 335 0.012 0.015 0 TRAP 14 0
*

3657 KKCCELK06C
3658 KM COMBINE RCELK06C AND RCC306D
3659 KM UPPER LAS VEGAS WASH @ FARM
3660 HC 2
*

3661 KKRCCELK06
3662 KM ROUTE CCELK06C TO NLVIN
3663 KM FACILITY = UPPER LAS VEGAS WASH
3664 KM FACILITY ID-MILE = LVUP 0422
3665 KM LINING = RCB
3666 RD 1265 0.01 0.015 0 TRAP 40 0
*

3667 KK 306B
3668 BA 0.583
3669 PB 2.77
3670 LS 0 84.0
3671 UD 0.308
*

3672 KK NLVIN
3673 KM COMBINE 306B, RCCELK06, AND C306A
3674 KM TOTAL INFLOW TO THE NORTH LAS VEGAS DETENTION BASIN
* K01
3675 HC 3
*

3676 KK NLVDB
3677 KM FACILITY = NORTH LAS VEGAS DETENTION BASIN
3678 KM FACILITY ID-MILE = LVUP 0405,406
3679 KM EXISTING STORAGE VOLUME = 1435 AC-FT
3680 KM CLEAR WATER STORAGE REQUIRED = 2023.35 AC-FT
3681 KM SEDIMENTATION VOLUME REQUIRED = 191.7 AC-FT
3682 KM TOTAL VOLUME = 2215 AC-FT
3683 KM VOLUME TO BE INCREASED BY 780 AC-FT
3684 KM OUTLET = 4, 7' DIAMETER OUTLET PIPES (1 PIPE BLOCKED)
3685 KM 100-YEAR DISCHARGE =
3686 KM SPILLWAY LENGTH = 100'
3687 KM SPILLWAY HEIGHT =
3688 KM SPILLWAY CREST ELEVATION = 2134' (26)
3689 KM SPILLWAY TYPE = OGEE SPILLWAY
3690 KM PMF DISCHARGE =
3691 KM TOP OF EMBANKMENT ELEVATION =
* K01
3692 RS 1 STOR -1
* 0 25 100 190 430 665 1095 1285 1435
* 1540 1650 1825 1920 2000 2110 2200 2310 2430
* INCREASE VOLUME BY 41%

HEC-1 INPUT

1

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

3693 SV 0 35.25 141 267.9 606.3 937.65 1543.95 1811.85 2023.352171.423
3694 SV 26.5 2573.25 2707.2 2820 2975.1 3102 3257.1 3426.3
3695 SE 0 2 4 6 10 14 21 24 26 27
3696 SE 28 30 31 32 33 34 35 36
3697 SQ 0 406 1328 1134 1751 2202 2822 3049 3192 3572
3698 SQ 4180 5968 7095 8334 9676 11101 12630 14294
*

3699 KK RNLVDB
3700 KM ROUTE NLVDB TO 2CELK06G
3701 KM FACILITY = UPPER LAS VEGAS WASH
3702 KM FACILITY ID-MILE = LVUP 0388,0391,0393,0396,0400,0402,0404
3703 KM LINING = RCB
3704 RD 1338 0.0099 0.015 0 TRAP 25 0
*

3705 KK DNLVDB
3706 KM DIVERT NORTH LAS VEGAS DETENTION BASIN DISCHARGE OUT OF MODEL
3707 KM FOR STORM CENTERING
3708 DT NLVDB
3709 DI 1 5000 10000 50000
3710 DQ 1 5000 10000 50000
*

3711 KK NN032-C
3712 BA 0.192

3713 PB 2.77
 3714 LS 0 90.2
 3715 UD 0.389
 *
 3716 KK LOCALDB
 3717 KM LOCAL DETENTION BASIN REFERENCED FROM
 3718 KM "RESPONSE TO COMMENTS ON THE CONCEPTUAL DRAINAGE STUDY FOR
 3719 KM NORTH LAS VEGAS 600 ACRE SITE" PREPARED BY
 3720 KM GC WALLACE DATED 5/11/06
 3721 KO 3 1
 3722 RS 1 STOR -1
 3723 SV 0 0.0046 0.0092 0.0115 0.0138 0.0301 6.77 13.96 21.6 29.71
 3724 SE 0 2 4 5 5.99 6 8 10 12 14
 3725 SL 2 11.04 0.65 0.5
 3726 SS 10 60 3 1.5
 *

3727 KKRLCALDB
 3728 KM ROUTE LOCALDB TO CNN033-C
 3729 KM LOCAL FACILITY PER "RESPONSE TO COMMENTS ON THE CONCEPTUAL
 3730 KM DRAINAGE STUDY FOR NORTH LAS VEGAS 600 ACRE SITE"
 3731 KM PREPARED BY GC WALLACE DATED 5/11/06
 3732 RD 2200 0.005 0.015 0 TRAP 8 0
 *

1

HEC-1 INPUT

PAGE100

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

3733 KK NN033-C
 3734 BA 0.268
 3735 PB 2.77
 3736 LS 0 89.9
 3737 UD 0.439
 *

3738 KKCNN033-C
 3739 KM COMBINE NN033-C AND RLOCALDB
 3740 HC 2
 *

3741 KK RC033-C
 3742 KM ROUTE CNN033-C TO CNN048-C
 3743 KM TO CULVERT AT BROADWING AND ALIANTE
 3744 KM THEN SOUTH ON EAST SIDE OF ALIANTE
 3745 RD 5600 0.006 0.03 0 TRAP 100 4
 *

3746 KK NN034-C
 3747 BA 0.152
 3748 PB 2.77
 3749 LS 0 89.4
 3750 UD 0.358
 *

3751 KKRNN034-C
 3752 KM ROUTE NN034-C TO CNN048-C
 3753 KM ALIANTE
 3754 RD 3700 0.008 0.016 0 TRAP 0 50
 *

3755 KK NN048-C
 3756 BA 0.552
 3757 PB 2.77
 3758 LS 0 85.2
 3759 UD 0.464
 *

3760 KKCNN048-C
 3761 KM COMBINE NN048-C, RNN034-C AND RC033-C
 3762 KM ALIANTE AND BELTWAY
 3763 HC 3
 *

3764 KK NN020-C
 3765 BA 0.330
 3766 PB 2.77
 3767 LS 0 90.8
 3768 UD 0.461
 *

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HEC-1 INPUT

PAGE101

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

3769 KKRNN020-C
 3770 KM ROUTE NN020-C TO CNN021-C
 3771 KM AVIARY
 3772 RD 3000 0.007 0.016 0 TRAP 0 50
 *

3773 KK NN021-C
 3774 BA 0.569
 3775 PB 2.77

```

3776      LS      0      90.8
3777      UD      0.469
          *

3778      KKCNN021-C
3779      KM      COMBINE RNN020-C AND NN021-C
3780      KM      AVIARY AND BELTWAY
3781      HC      2
          *

3782      KK      RC021-C
3783      KM      ROUTE CNN021-C TO CNN035-C
3784      KM      FACILITY = ELKHORN ROAD CHANNEL EAST
3785      KM      FACILITY ID-MILE = EKEA 0338,0307,0292,0290,0284,0282,0274
3786      KM      LINING = CONCRETE
3787      RD      4681 0.005 0.015      0      TRAP      15      0
          *

3788      KK      NN035-C
3789      BA      0.575
3790      PB      2.77
3791      LS      0      88.9
3792      UD      0.500
          *

3793      KKCNN035-C
3794      KM      COMBINE NN035-C AND RC021-C
3795      KM      BELTWAY FLOW @ SIMMONS
3796      HC      2
          *

3797      KK      RC035-C
3798      KM      ROUTE 2C035-C TO CNN048-C
3799      KM      FACILITY = ELKHORN ROAD CHANNEL EAST
3800      KM      FACILITY ID-MILE = EKEA 0237
3801      KM      LINING = CONCRETE
3802      RD      760 0.005 0.015      0      TRAP      16      0
          *

3803      KK      CC048-C
3804      KM      COMBINE CNN048-C AND RC035-C
3805      KM      ELKHORN CHANNEL EAST @ ALIANTE
3806      HC      2
          *

3807      KKRCC048-C
3808      KM      ROUTE CC048-C TO CELK06D
3809      KM      FACILITY = ELKHORN ROAD CHANNEL EAST
3810      KM      FACILITY ID-MILE = EKEA 0237,0234,0231,0198
3811      KM      LINING = CONCRETE
3812      RD      2190 0.005 0.015      0      TRAP      16      0
          *

3813      KK      ELK06D
3814      BA      0.383
3815      PB      2.77
3816      LS      0      88.3
3817      UD      0.447
          *

3818      KK      CELK06D
3819      KM      COMBINE ELK06D AND RC048-C
3820      KM      ELKHORN CHANNEL EAST @ CLAYTON
3821      HC      2
          *

3822      KKRCELK06D
3823      KM      ROUTE CELK06D TO CELK06E
3824      KM      FACILITY = ELKHORN ROAD CHANNEL EAST
3825      KM      FACILITY ID-MILE = EKEA 0198,0192,0124,0119
3826      KM      LINING = CONCRETE
3827      RD      5500 0.007 0.015      0      TRAP      20      0
          *

3828      KK      ELK06E
3829      BA      0.463
3830      PB      2.77
3831      LS      0      91.6
3832      UD      0.672
          *

3833      KK      CELK06E
3834      KM      COMBINE ELK06E AND RCELK06D
3835      KM      ELKHORN CHANNEL EAST @ REVERE
3836      HC      2
          *

3837      KK      ELK06A
3838      BA      0.413
3839      PB      2.77
3840      LS      0      92.1

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HEC-1 INPUT

PAGE102

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

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3841 UD 0.533
 *
 HEC-1 INPUT
 LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

PAGE103

3842 KK RELK06A
 3843 KM ROUTE ELK06A TO CCELK06E
 3844 KM LOCAL FACILITY
 3845 RD 960 0.007 0.015 0 TRAP 8 0
 *

3846 KKCCELK06E
 3847 KM COMBINE CELK06E AND RELK06A
 3848 HC 2
 *

3849 KK RCCE06E
 3850 KM ROUTE CCELK06E TO CELK06G
 3851 KM FACILITY = ELKHORN ROAD CHANNEL EAST
 3852 KM FACILITY ID-MILE = EKEA 0104,0056,0028,0013,0000
 3853 KM LINING = CONCRETE
 3854 RD 6180 0.016 0.015 0 TRAP 21 0
 *

3855 KK ELK06G
 3856 BA 0.408
 3857 PB 2.77
 3858 LS 0 90.8
 3859 UD 0.355
 *

3860 KK CELK06G
 3861 KM COMBINE ELK06G AND RCCELK06E
 3862 KM ELKHORN CHANNEL EAST FLOW @ UPPER LAS VEGAS WASH
 3863 HC 2
 *

3864 KK2CELK06G
 3865 KM COMBINECELK06G AND DNLVDB
 3866 KM ELKHORN CHANNEL EAST FLOW @ UPPER LAS VEGAS WASH
 3867 HC 2
 *

3868 KKR2ELK06G
 3869 KM ROUTE 2CELK06G TO CNN137-C
 3870 KM FACILITY = UPPER LAS VEGAS WASH
 3871 KM FACILITY ID-MILE = LVUP 0382,0363,0360,0336,0331,0326,0270
 3872 KM LINING = CONCRETE
 3873 RD 4360 0.012 0.015 0 TRAP 42 0
 *

3874 KK NN137-C
 3875 BA 0.340
 3876 PB 2.77
 3877 LS 0 88.2
 3878 UD 0.255
 *

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

PAGE104

3879 KKCNN137-C
 3880 KM COMBINE NN137-C AND R2ELK06G
 3881 KM UPPER LAS VEGAS WASH @ ROME
 3882 HC 2
 *

3883 KK RC137-C
 3884 KM ROUTE CNN137-C TO CNN153-C
 3885 KM FACILITY = UPPER LAS VEGAS WASH
 3886 KM FACILITY ID-MILE = LVUP 0270,0268
 3887 KM LINING = CONCRETE
 3888 RD 1842 0.009 0.015 0 TRAP 46 0
 *

3889 KK NN060-C
 3890 BA 0.474
 3891 PB 2.77
 3892 LS 0 90.0
 3893 UD 0.471
 *

3894 KKRNN060-C
 3895 KM ROUTE NN060-C TO CNN062-C
 3896 KM BLACK OAKS
 3897 RD 3000 0.015 0.016 0 TRAP 0 50
 *

3898 KK NN062-C
 3899 BA 0.474
 3900 PB 2.77
 3901 LS 0 90.3

3902 UD 0.278
 *
 3903 KKCNN062-C
 3904 KM COMBINE NN062-C AND RNN060-C
 3905 KM CENTENNIAL CHANNEL EAST @ BLACK OAKS
 3906 HC 2
 *
 3907 KK RC062-C
 3908 KM ROUTE CNN062-C TO CNN078-C
 3909 KM FACILITY = CENTENNIAL CHANNEL EAST
 3910 KM FACILITY ID-MILE = CNEA 0176,0175
 3911 KM LINING = CONCRETE
 3912 RD 1500 0.007 0.015 0 TRAP 15 0
 *
 3913 KK NN078-C
 3914 BA 0.402
 3915 PB 2.77
 3916 LS 0 92.9
 3917 UD 0.447
 *

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HEC-1 INPUT

PAGE105

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

3918 KKCNN078-C
 3919 KM COMBINE NN078-C AND RC062-C
 3920 KM CENTENNIAL CHANNEL EAST @ REVERE
 3921 HC 2
 *
 3922 KK RC078-C
 3923 KM ROUTE CNN078-C TO CNN093-C
 3924 KM FACILITY = CENTENNIAL CHANNEL EAST
 3925 KM FACILITY ID-MILE = CNEA 0153,0123
 3926 KM LINING = RCB
 3927 RD 2710 0.009 0.015 0 TRAP 14 0
 *
 3928 KK NN093-C
 3929 BA 0.324
 3930 PB 2.77
 3931 LS 0 89.6
 3932 UD 0.263
 *
 3933 KKCNN093-C
 3934 KM COMBINE NN093-C AND RC078-C
 3935 KM CENTENNIAL CHANNEL EAST @ COMMERCE
 3936 HC 2
 *
 3937 KK RC093-C
 3938 KM ROUTE CNN093-C TO CCNN109
 3939 KM FACILITY = CENTENNIAL CHANNEL EAST
 3940 KM FACILITY ID-MILE = CNEA 0076
 3941 KM LINING = RCB
 3942 RD 2710 0.007 0.015 0 TRAP 15 0
 *
 3943 KK NN089-C
 3944 BA 0.488
 3945 PB 2.77
 3946 LS 0 91.8
 3947 UD 0.352
 *

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HEC-1 INPUT

PAGE106

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

3954 KK NN109-C
 3955 BA 0.338
 3956 PB 2.77
 3957 LS 0 91.6
 3958 UD 0.225
 *
 3959 KKCNN109-C
 3960 KM COMBINE NN109-C AND RNN089-C
 3961 KM CENTENNIAL CHANNEL EAST @ N 5TH ST
 3962 HC 2
 *

3963 KK CCNN109
 3964 KM COMBINE CNN109-C AND RC093-C
 3965 KM CENTENNIAL CHANNEL EAST @ N 5TH ST
 3966 HC 2
 *
 3967 KKRC109-C
 3968 KM ROUTE CNN109-C TO NN138-C
 3969 KM FACILITY = CENTENNIAL CHANNEL EAST
 3970 KM FACILITY ID-MILE = CNEA 0000,0009,0074
 3971 KM LINING = RCB
 3972 RD 4015 0.003 0.015 0 TRAP 40 0
 *
 3973 KK NN138-C
 3974 BA 0.285
 3975 PB 2.77
 3976 LS 0 89.7
 3977 UD 0.417
 *
 3978 KKCNN138-C
 3979 KM COMBINE NN138-C AND RCC109-C
 3980 KM CENTENNIAL CHANNEL EAST FLOW @ UPPER LAS VEGAS WASH
 3981 HC 2
 *
 3982 KK NN153-C
 3983 BA 0.445
 3984 PB 2.77
 3985 LS 0 92.8
 3986 UD 0.433
 *
 3987 KKCNN153-C
 3988 KM COMBINE NN153-C, CNN138-C AND RC137-C
 3989 KM UPPER LAS VEGAS WASH @ CENTENNIAL
 3990 HC 3
 *

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HEC-1 INPUT

PAGE107

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

3991 KK RC153-C
 3992 KM ROUTE CNN153-C TO 2C141-C
 3993 KM FACILITY = UPPER LAS VEGAS WASH
 3994 KM FACILITY ID-MILE = LVUP 0215,0217,0220,0221,0228,0229,0255,0261
 3995 KM LINING = CONCRETE
 3996 RD 2840 0.008 0.015 0 TRAP 50 0
 *
 3997 KK NN081-C
 3998 BA 0.312
 3999 PB 2.77
 4000 LS 0 82.5
 4001 UD 0.392
 *
 4002 KKRNN081-C
 4003 KM ROUTE NN081-C TO CNN095-C
 4004 KM FACILITY = TROPICAL ROAD CHANNEL EAST
 4005 KM FACILITY ID-MILE = TREA 0134
 4006 KM LINING = RCP
 4007 RD 2700 0.021 0.013 0 CIRC 5.5 0
 *
 4008 KK NN095-C
 4009 BA 0.260
 4010 PB 2.77
 4011 LS 0 88.3
 4012 UD 0.312
 *
 4013 KKCNN095-C
 4014 KM COMBINE NN095-C AND RNN081-C
 4015 KM TROPICAL CHANNEL EAST @ COMMERCE
 4016 HC 2
 *
 4017 KK RC095-C
 4018 KM ROUTE CNN095-C TO CNN111-C
 4019 KM FACILITY = TROPICAL ROAD CHANNEL EAST
 4020 KM FACILITY ID-MILE = TREA 0087
 4021 KM LINING = RCB
 4022 RD 2580 0.007 0.015 0 TRAP 8 0
 *
 4023 KK NN111-C
 4024 BA 0.265
 4025 PB 2.77
 4026 LS 0 89.1
 4027 UD 0.344
 *

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HEC-1 INPUT

PAGE108

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

4028 KKCNN111-C
4029 KM COMBINE NN111-C AND RC095-C
4030 KM TROPICAL CHANNEL EAST @ 5TH
4031 HC 2
*

4032 KK RC111-C
4033 KM ROUTE CNN111-C TO CNN141-C
4034 KM FACILITY = TROPICAL ROAD CHANNEL EAST
4035 KM FACILITY ID-MILE = TREA 0005,0000
4036 KM LINING = RCB
4037 RD 4850 0.008 0.015 0 TRAP 10 0
*

4038 KK NN141-C
4039 BA 0.389
4040 PB 2.77
4041 LS 0 88.3
4042 UD 0.389
*

4043 KKCNN141-C
4044 KM COMBINE NN141-C AND RC111-C
4045 KM TROPICAL CHANNEL EAST FLOW @ UPPER LAS VEGAS WASH
4046 HC 2
*

4047 KK 2C141-C
4048 KM COMBINE CNN141-C AND RC153-C
4049 KM UPPER LAS VEGAS WASH @ TROPICAL
4050 HC 2
*

4051 KK RC141-C
4052 KM ROUTE 2C141-C TO CNN156-C
4053 KM FACILITY = UPPER LAS VEGAS WASH
4054 KM FACILITY ID-MILE = LVUP 0204,0164,0162
4055 KM LINING = CONCRETE
4056 RD 2705 0.006 0.015 0 TRAP 50 0
*

4057 KK NN156-C
4058 BA 0.520
4059 PB 2.77
4060 LS 0 86.6
4061 UD 0.355
*

4062 KKCNN156-C
4063 KM COMBINE NN156-C AND RC141-C
4064 KM UPPER LAS VEGAS WASH @ ANN
4065 HC 2
*

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HEC-1 INPUT

PAGE109

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

4066 KK NN099-C
4067 BA 0.210
4068 PB 2.77
4069 LS 0 87.7
4070 UD 0.260
*

4071 KKRNN099-C
4072 KM ROUTE NN099-C TO CNN113-C
4073 KM ANN ROAD
4074 RD 2700 0.011 0.016 0 TRAP 0 50
*

4075 KK NN113-C
4076 BA 0.543
4077 PB 2.77
4078 LS 0 83.2
4079 UD 0.463
*

4080 KKCNN113-C
4081 KM COMBINE NN113-C AND RNN099-C
4082 KM ANN ROAD CHANNEL EAST @ 5TH
4083 HC 2
*

4084 KK RC113-C
4085 KM ROUTE CNN113-C TO CNN142-C
4086 KM FACILITY = ANN ROAD CHANNEL EAST
4087 KM FACILITY ID-MILE = ANEA 0040,0008,0000
4088 KM LINING = RCB
4089 RD 4690 0.0097 0.015 0 TRAP 8 0
*

4090 KK NN142-C
 4091 BA 0.317
 4092 PB 2.77
 4093 LS 0 82.0
 4094 UD 0.444
 *
 4095 KKCNN142-C
 4096 KM COMBINE NN142-C AND RC113-C
 4097 KM ANN ROAD CHANNEL EAST FLOW @ UPPER LAS VEGAS WASH
 4098 HC 2
 *
 4099 KK C156-C
 4100 KM COMBINE CNN156-C AND CNN142-C
 4101 KM UPPER LAS VEGAS WASH @ ANN
 4102 HC 2
 *

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HEC-1 INPUT

PAGE110

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

4103 KK RC156-C
 4104 KM ROUTE C156-C TO CNN144-C
 4105 KM FACILITY = UPPER LAS VEGAS WASH
 4106 KM FACILITY ID-MILE = LVUP 0156,0115,0104
 4107 KM LINING = CONCRETE
 4108 RD 2640 0.008 0.015 0 TRAP 56 0
 *

4109 KK NN128-C
 4110 BA 0.295
 4111 PB 2.77
 4112 LS 0 85.2
 4113 UD 0.545
 *

4114 KKRNN128-C
 4115 KM ROUTE NN128-C TO CNN144-C
 4116 KM HAMMER TO 5TH TO WASHBURN
 4117 RD 3500 0.008 0.016 0 TRAP 0 50
 *

4118 KK NN129-C
 4119 BA 0.237
 4120 PB 2.77
 4121 LS 0 87.3
 4122 UD 0.404
 *

4123 KKRNN129-C
 4124 KM ROUTE NN129-C TO CNN144-C
 4125 KM WASHBURN
 4126 RD 2000 0.01 0.016 0 TRAP 0 50
 *

4127 KK NN144-C
 4128 BA 0.257
 4129 PB 2.77
 4130 LS 0 79.7
 4131 UD 0.317
 *

4132 KKCNN144-C
 4133 KM COMBINE NN144-C, RNN129-C, RNN128-C AND RC156-C
 4134 KM UPPER LAS VEGAS WASH @ WASHBURN
 4135 HC 4
 *

4136 KK RC144-C
 4137 KM ROUTE CNN144-C TO CNN170-C
 4138 KM FACILITY = UPPER LAS VEGAS WASH
 4139 KM FACILITY ID-MILE = LVUP 0092,0088,0071,0067
 4140 KM LINING = CONCRETE
 4141 RD 3095 0.007 0.015 0 TRAP 56 0
 *

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HEC-1 INPUT

PAGE111

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

4142 KK NN146-C
 4143 BA 0.532
 4144 PB 2.77
 4145 LS 0 88.3
 4146 UD 0.514
 *

4147 KK NN166-C
 4148 BA 0.173
 4149 PB 2.77
 4150 LS 0 77.9
 4151 UD 0.333

*
 4152 KKRRN166-C
 4153 KM ROUTE NN166-C TO CNN170-C
 4154 KM LOSEE ROAD
 4155 RD 5800 0.008 0.016 0 TRAP 0 50
 *

4156 KKCNN146-C
 4157 KM COMBINE RC144-C, NN146-C AND NN166-C
 4158 KM UPPER LAS VEGAS WASH @ LONE MOUNTAIN
 4159 HC 3
 *

4160 KK RC146-C
 4161 KM ROUTE CNN146-C TO CNN170-C
 4162 KM FACILITY = UPPER LAS VEGAS WASH
 4163 KM FACILITY ID-MILE = LVUP 0001
 4164 KM LINING = CONCRETE
 4165 RD 1500 0.006 0.015 0 TRAP 56 0
 *

4166 KK NN170-C
 4167 BA 0.324
 4168 PB 2.77
 4169 LS 0 80.7
 4170 UD 0.467
 *

4171 KKCNN170-C
 4172 KM COMBINE NN170-C AND CNN146-C
 4173 KM UPPER LAS VEGAS WASH @ BERG
 4174 HC 2
 *

4175 KK RC170-C
 4176 KM ROUTE CNN170-C TO CNN174-C
 4177 KM FACILITY = UPPER LAS VEGAS WASH
 4178 KM FACILITY ID-MILE = LVUP 0001,0000
 4179 KM LINING = CONCRETE
 4180 RD 1383 0.006 0.015 0 TRAP 56 0
 *

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HEC-1 INPUT

PAGE112

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

4181 KK NN175-C
 4182 BA 0.340
 4183 PB 2.77
 4184 LS 0 94.1
 4185 UD 0.439
 *

4186 KK NN174-C
 4187 BA 0.329
 4188 PB 2.77
 4189 LS 0 91.7
 4190 UD 0.406
 *

4191 KKCNN174-C
 4192 KM COMBINE NN174-C, NN175-C AND RC170-C
 4193 KM UPPER LAS VEGAS WASH @ CRAIG
 4194 HC 3
 *

4195 KK RCNN174
 4196 KM ROUTE CNN174-C TO CLVW12
 4197 KM FACILITY = LAS VEGAS WASH KING CHARLES CHANNEL
 4198 KM FACILITY ID-MILE = LVKC 0078,0079,0080,0097
 4199 KM LINING = CONCRETE
 4200 RD 1710 0.004 0.015 0 TRAP 15 2
 *

4201 KK LVW12
 4202 BA 0.162
 4203 PB 2.77
 4204 LS 0 92.5
 4205 UD 0.339
 *

4206 KK CLVW12
 4207 KM COMBINE RCNN174 AND LVW12
 4208 KM UPPER LAS VEGAS WASH @ "N" CHANNEL DIVERSION
 4209 HC 2
 *

4210 KK DLVW12
 4211 KM DIVERSION TO "N" CHANNEL
 4212 DT N
 4213 DI 500 1000 7620
 4214 DQ 100 200 1485
 *

4215 KK RDLVW12
 4216 KM ROUTE DLVW12 TO CLV99B-7
 4217 KM FACILITY = LAS VEGAS WASH KING CHARLES CHANNEL
 4218 KM FACILITY ID-MILE = LVKC 0000,0009,0071
 4219 KM LINING = CONCRETE
 4220 RD 4167 0.004 0.015 0 TRAP 21.8 1.5
 *

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HEC-1 INPUT

PAGE113

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

4221 KK LV99B-7
 4222 BA 0.428
 4223 PB 2.77
 4224 LS 0 93.5
 4225 UD 0.500
 *

4226 KKCLV99B-7
 4227 KM COMBINE LV99B-7 AND RDLVW12
 4228 KM KING CHARLES CHANNEL FLOW @ LAS VEGAS WASH MIDDLE
 4229 HC 2
 *

4230 KK 2C99B-7
 4231 KM COMBINE CLV99B-7 AND CLV99B-5
 4232 HC 2
 *
 * *****
 * CENTRAL NORTHWEST WATERSHED INPUT
 * *****
 *

4233 KK OG04-C
 4234 BA 0.288
 4235 PB 2.77
 4236 LS 0 90.2
 4237 UD 0.320
 *

4238 KK DOG04-C
 4239 KM FLOW SPLIT TO PD01-C
 4240 KM COMBINED CAPACITY = 124 CFS
 4241 DT DPD01
 4242 DI 0 51 125 500 1000
 4243 DQ 0 50 124 124 124
 *

4244 KKRD0G04-C
 4245 KM ROUTE DOG04-C TO COG05-C
 4246 KM US95 TO CHEYENNE
 4247 RD 4100 0.0007 0.016 0 TRAP 0 50
 *

4248 KK OG05-C
 4249 BA 0.266
 4250 PB 2.77
 4251 LS 0 90.7
 4252 UD 0.392
 *

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HEC-1 INPUT

PAGE114

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

4253 KK COG05-C
 4254 KM COMBINE RDOG04-C AND OG05-C
 4255 KM RAINBOW AND CHEYENNE
 4256 HC 2
 *

4257 KKRCOG05-C
 4258 KM ROUTE RCOG05-C TO CCY06B-C
 4259 KM CHEYENNE
 4260 RD 7500 0.0097 0.016 0 TRAP 0 50
 *

4261 KK CY06B-C
 4262 BA 0.498
 4263 PB 2.77
 4264 LS 0 86.2
 4265 UD 0.697
 *

4266 KKCCY06B-C
 4267 KM COMBINE RCOG05-C AND CY06B-C
 4268 KM MICHAEL AND CHEYENNE
 4269 HC 2
 *

4270 KK RCCY06B
 4271 KM ROUTE CCY06B TO CRGOWAN
 4272 KM CHEYENNE
 4273 RD 1400 0.01 0.016 0 TRAP 0 50

*
 * *****
 * FLOW SPLIT FROM GOWAN WATERSHED
 * *****
 *

4274 KK DCENT1
 4275 KM RETRIEVE DCENT1
 4276 DR DCENT1
 *
 * *****
 *
 4277 KK RDCENT1
 4278 KM ROUTE DCENT1
 4279 KM RANCHO
 4280 RD 2100 0.0076 0.016 0 TRAP 0 50
 *
 4281 KK CRGOWAN
 4282 KM COMBINE RDCENT1 AND RCCY06B
 4283 KM RANCHO AND CHEYENNE
 4284 HC 2
 *

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HEC-1 INPUT

PAGE115

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

4285 KKRCRGOWAN
 4286 KM ROUTE CRGOWAN TO CPD05A-C
 4287 KM RANCHO
 4288 RD 1700 0.0088 0.016 0 TRAP 0 50
 *
 4289 KK PD05A-C
 4290 BA 0.135
 4291 PB 2.77
 4292 LS 0 93.5
 4293 UD 0.406
 *

4294 KKCPD05A-C
 4295 KM COMBINE PD05A-C AND RCRGOWAN
 4296 KM RANCHO AND DECATUR
 4297 HC 2
 *

4298 KK DCPD05A
 4299 KM FLOW SPLIT TO A1-C1
 4300 KM OPPOSITE OF DA2 FLOW SPLIT IN CWH
 4301 KM CAPACITY RAN 170 = 210 CFS
 4302 KM REMAINING FLOW GOES DOWN WEST SIDE OF RANCHO
 4303 DT DAL-C
 4304 DI 0 51 101 211 500 1000 5000
 4305 DQ 0 51 101 211 211 211 211
 *

4306 KK RCPD05
 4307 KM ROUTE CPD05A-C TO CPD04B-C
 4308 KM RANCHO
 4309 RD 1500 0.006 0.016 0 TRAP 0 50
 *

4310 KK DPD01
 4311 KM RETRIEVE DPD01
 4312 DR DPD01
 *

4313 KK RDPD01
 4314 KM ROUTE DPD01 TO CPD01-C
 4315 KM PEAK DRIVE
 4316 RD 3500 0.0103 0.016 0 TRAP 0 50
 *

4317 KK PD01-C
 4318 BA 0.377
 4319 PB 2.77
 4320 LS 0 85.3
 4321 UD 0.436
 *

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HEC-1 INPUT

PAGE116

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

4322 KK CPD01-C
 4323 KM COMBINE RDPD01 AND PD01-C
 4324 KM TORREY PINES AND PEAK DRIVE
 4325 HC 2
 *
 4326 KK RCPD01
 4327 KM ROUTE CPD01-C TO CCY04A-C
 4328 KM FACILITY = LAS VEGAS WASH - PEAK DRIVE SYSTEM

4329 KM FACILITY # = LVPK 0106,0130
 4330 KM LINING = RCB
 4331 RD 2670 0.0061 0.015 0 TRAP 7 0
 *
 4332 KK CY04A-C
 4333 BA 0.457
 4334 PB 2.77
 4335 LS 0 86.6
 4336 UD 0.489
 *
 4337 KKCCY04A-C
 4338 KM COMBINE RCPD01 AND CY04A-C
 4339 KM JONES AND PEAK DRIVE
 4340 HC 2
 *
 4341 KK RCCY04A
 4342 KM ROUTE CCY04A TO CPD04B-C
 4343 KM FACILITY = LAS VEGAS WASH - PEAK DRIVE SYSTEM
 4344 KM FACILITY # = LVPK 0000,0019,0056,0058,0104
 4345 KM LINING = RCB
 4346 RD 5517 0.0095 0.015 0 TRAP 9 0
 *
 4347 KK PD04B-C
 4348 BA 0.468
 4349 PB 2.77
 4350 LS 0 88.0
 4351 UD 0.539
 *
 4352 KKCPD04B-C
 4353 KM COMBINE RCCY04A AND PD04B-C
 4354 KM RANCHO AND PEAK DRIVE
 4355 HC 2
 *
 4356 KKCCPD04BC
 4357 KM COMBINE RCPD05 AND CPD04B-C
 4358 KM RANCHO AND PEAK DRIVE
 4359 HC 2
 *

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HEC-1 INPUT

PAGE117

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

4360 KK RCPD04B
 4361 KM ROUTE CCPD04BC TO CSR05B
 4362 KM FACILITY = LAS VEGAS WASH - RANCHO
 4363 KM FACILITY # = LVRA 0012,0000
 4364 KM LINING = RCB
 4365 RD 3450 0.0078 0.015 0 TRAP 12 0
 *
 4366 KK OG03-C
 4367 BA 0.325
 4368 PB 2.77
 4369 LS 0 87.3
 4370 UD 0.388
 *
 4371 KK ROG03-C
 4372 KM ROUTE OG03-C TO CCSR00A
 4373 KM SMOKE RANCH
 4374 RD 3400 0.0121 0.016 0 TRAP 0 50
 *
 4375 KK OG02-C
 4376 BA 0.318
 4377 PB 2.77
 4378 LS 0 90.3
 4379 UD 0.351
 *
 4380 KK ROG02-C
 4381 KM ROUTE OG02-C TO CLM01-C
 4382 KM FACILITY = LAS VEGAS WASH - LAKE MEAD
 4383 KM FACILITY # = LVLM 0525
 4384 KM LINING = RCP
 4385 RD 3400 0.0124 0.013 0 CIRC 4 0
 *
 4386 KK LM01-C
 4387 BA 0.327
 4388 PB 2.77
 4389 LS 0 83.1
 4390 UD 0.402
 *
 4391 KK CLM01-C
 4392 KM COMBINE ROG02-C AND LM01-C
 4393 KM TORREY PINES AND LAKE MEAD

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

4395 KKRCMLM01-C
 4396 KM ROUTE CLM01-C TO CSR00A
 4397 KM FACILITY = LAS VEGAS WASH - SMOKE RANCH
 4398 KM FACILITY # = LVSR 0546
 4399 KM LINING = RCB
 4400 RD 2640 0.0057 0.015 0 TRAP 8 0
 *

4401 KK SR00A-C
 4402 BA 0.367
 4403 PB 2.77
 4404 LS 0 85.0
 4405 UD 0.444
 *

4406 KK CSR00A
 4407 KM COMBINE RCLM01-C AND SR00A-C
 4408 KM TORREY PINES AND SMOKE RANCH
 4409 HC 2
 *

4410 KK CCSR00A
 4411 KM COMBINE ROG03-C AND CSR00A
 4412 KM TORREY PINES AND SMOKE RANCH
 4413 HC 2
 *

4414 KK RCSR00A
 4415 KM ROUTE CSR00A TO CSR02E
 4416 KM FACILITY = LAS VEGAS WASH - SMOKE RANCH
 4417 KM FACILITY # = LVSR 0496
 4418 KM LINING = RCB
 4419 RD 2855 0.0127 0.015 0 TRAP 10 0
 *

4420 KK SR02E-C
 4421 BA 0.302
 4422 PB 2.77
 4423 LS 0 86.5
 4424 UD 0.373
 *

4425 KK CSR02E
 4426 KM COMBINE SR02E-C AND RCSR00A
 4427 KM JONES AND SMOKE RANCH
 4428 HC 2
 *

4429 KK RCSR02E
 4430 KM ROUTE CSR02E TO CSR05D
 4431 KM FACILITY = LAS VEGAS WASH - SMOKE RANCH
 4432 KM FACILITY # = LVSR 0397,0447
 4433 KM LINING = RCB
 4434 RD 5170 0.0125 0.015 0 TRAP 10 0
 *

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

4435 KK SR05D-C
 4436 BA 0.303
 4437 PB 2.77
 4438 LS 0 89.5
 4439 UD 0.533
 *

4440 KK CSR05D
 4441 KM COMBINE RCSR02E AND SR05D-C
 4442 KM SMOKE RANCH AND DECATUR
 4443 HC 2
 *

4444 KK RCSR05D
 4445 KM ROUTE CSR05D TO CSR05B
 4446 KM FACILITY = LAS VEGAS WASH - SMOKE RANCH
 4447 KM FACILITY # = LVSR 0312,0360
 4448 KM LINING = RCB
 4449 RD 2150 0.0075 0.015 0 TRAP 10 0
 *

4450 KK SR05B-C
 4451 BA 0.357
 4452 PB 2.77
 4453 LS 0 89.9
 4454 UD 0.662
 *

4455 KK CSR05B
 4456 KM COMBINE RCSR05D AND SR05B-C
 4457 KM SMOKE RANCH AND RANCHO
 4458 HC 2
 *
 4459 KK CCSR05B
 4460 KM COMBINE RPD04B AND CSR05B
 4461 KM SMOKE RANCH AND RANCHO
 4462 HC 2
 *
 4463 KKCCSR05B
 4464 KM ROUTE CCSR05B TO CB1-C
 4465 KM FACILITY = LAS VEGAS WASH - SMOKE RANCH
 4466 KM FACILITY # = LVSR 0263,0273,0295
 4467 KM LINING = RCB
 4468 RD 2357 0.0092 0.015 0 TRAP 11 0
 *
 4469 KK B1-C
 4470 BA 0.274
 4471 PB 2.77
 4472 LS 0 93.6
 4473 UD 0.473
 *

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HEC-1 INPUT

PAGE120

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

4474 KK CB1-C
 4475 KM COMBINE B1-C AND RCCSR05B
 4476 KM AIRPORT AND CAREY
 4477 HC 2
 *
 4478 KK RCB1-C
 4479 KM ROUTE CB1-C TO CB3-1
 4480 KM FACILITY = LAS VEGAS WASH - SMOKE RANCH
 4481 KM FACILITY # = LVSR 0210,0221,0223
 4482 KM LINING = CONCRETE
 4483 RD 3050 0.0096 0.015 0 TRAP 14 1.5
 *
 4484 KK A1-C1
 4485 BA 0.311
 4486 PB 2.77
 4487 LS 0 91.5
 4488 UD 0.449
 *
 4489 KK DA1-C
 4490 KM RETRIEVE DA1-C
 4491 DR DA1-C
 *
 4492 KK RDA1-C
 4493 KM ROUTE DA1-C TO CA1-C
 4494 KM FACILITY = NORTH LAS VEGAS AIR TERMINAL
 4495 KM FACILITY # = LAAT 0146,0172,0182 AND OVERLAND FLOW (LAAT GEOMETRY ASSUMED)
 4496 KM LINING = CONCRETE
 4497 RD 2090 0.0082 0.015 0 TRAP 6 1.5
 *
 4498 KK CA1-C
 4499 KM COMBINE RDA1-C AND A1-C
 4500 HC 2
 *
 4501 KK FN2-C
 4502 BA 0.212
 4503 PB 2.77
 4504 LS 0 91.9
 4505 UD 0.381
 *
 4506 KK RFN2-C
 4507 KM ROUTE FN2-C TO CCA1-C
 4508 KM VALLEY DRIVE AND AIRPORT ROAD
 4509 RD 2400 0.0036 0.016 0 TRAP 0 50
 *

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HEC-1 INPUT

PAGE121

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

4510 KK CCA1-C
 4511 KM COMBINE RCFN2-C AND CA1-C
 4512 KM COMBINE AT LAAT 0146
 4513 HC 2
 *
 4514 KK RCCA-1C
 4515 KM ROUTE CCA1-C TO CB3-2

4516 KM FACILITY = NORTH LAS VEGAS AIR TERMINAL
 4517 KM FACILITY # = LAAT 0031,0062,0078,0098,0140,0146
 4518 KM LINING = RCB
 4519 RD 5800 0.006 0.015 0 TRAP 10 0
 *
 4520 KKDCENTRAL
 4521 KM RETRIEVE DCENTRAL
 4522 DRDCENTRAL
 *
 4523 KKRDCENTRA
 4524 KM ROUTE DCENTRAL TO ALLEN AND CHEYENNE
 4525 KM GOWAN AND ALLEN
 4526 RD 7920 0.004 0.016 0 TRAP 0 50
 *
 4527 KK FN5-C
 4528 BA 0.477
 4529 PB 2.77
 4530 LS 0 89.8
 4531 UD 0.572
 *
 4532 KK CFN5-C
 4533 KM COMBINE FN5-C AND RDCENTRA
 4534 KM ALLEN AND CHEYENNE
 4535 HC 2
 *
 4536 KK DFN5-C
 4537 KM FLOW SPLIT REFERENCED FROM SIMMONS ST IMPROVEMENT PROJECT
 4538 KM 140 CFS FLOW FROM ALLEN/CHEYENNE GOES INTO AIRPORT 48" EQUIV HERCP
 4539 KM 140 CFS BASED ON FLOWMASTER CAPACITY OF FACILITY
 4540 KM EXCESS FLOW CONTINUES EAST IN CHEYENNE
 4541 DT DR-C
 4542 DI 0 140 500 1000
 4543 DQ 0 0 360 860
 *
 4544 KK RDFN5-C
 4545 KM ROUTE DFN5-C TO CB3-2
 4546 KM FACILITY = NORTH LAS VEGAS AIR TERMINAL
 4547 KM FACILITY # = LAAT 0031,0062,0078
 4548 KM LINING = RCB
 4549 RD 3500 0.005 0.015 0 TRAP 10 0
 *
 1 HEC-1 INPUT PAGE122
 LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
 4550 KK B3-2
 4551 BA 0.306
 4552 PB 2.77
 4553 LS 0 92.0
 4554 UD 0.408
 *
 4555 KK CB3-2
 4556 KM COMBINE RDFN5-C, B3-2, AND RCCA-1C
 4557 KM COMBINE AT LAAT 0031
 4558 HC 3
 *
 4559 KK RCB3-2
 4560 KM ROUTE CB3-2 TO CB3-1
 4561 KM FACILITY = NORTH LAS VEGAS AIR TERMINAL
 4562 KM FACILITY # = LAAT 0000,0006,0014,0031
 4563 KM LINING = RCB
 4564 RD 2770 0.0105 0.015 0 TRAP 10 0
 *
 4565 KK B3-1
 4566 BA 0.306
 4567 PB 2.77
 4568 LS 0 92.1
 4569 UD 0.447
 *
 4570 KK CB3-1
 4571 KM COMBINE RCB3-2 AND B3-1
 4572 KM COMBINE AT LAAT 0000
 4573 HC 2
 *
 4574 KK CCB3-1
 4575 KM COMBINE CB3-1 AND RCB1-C
 4576 KM COMBINATION NEAR CAREY-LAKE MEAD DETENTION BASIN
 4577 HC 2
 *
 4578 KK DR-C
 4579 KM RETRIEVE DR-C
 4580 DR DR-C

*
 4581 KK RDR-C
 4582 KM ROUTE DR-C TO CR-C
 4583 KM ROUTE AND CHEYENNE AND THROUGH NORTHEAST PORTION OF R2-CA
 4584 KM FLOW WILL ENTER LAAS SYSTEM 1500 FT SOUTH OF CHEYENNE ON SIMMONS
 4585 RD 3300 0.007 0.016 0 TRAP 0 50
 *

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HEC-1 INPUT

PAGE123

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

4586 KK R-C
 4587 BA 0.266
 4588 PB 2.77
 4589 LS 0 90.3
 4590 UD 0.328
 *

4591 KK RR-C
 4592 KM ROUTE R-C TO CR-C
 4593 KM FACILITY = NORTH LAS VEGAS AIR TERMINAL - SIMMONS
 4594 KM FACILITY # = LAAS 0080,0083,0095,0103
 4595 KM LINING = RCP
 4596 RD 1582 0.014 0.013 0 CIRC 5
 *

4597 KK CR-C
 4598 KM COMBINE RR-C AND RDR-C
 4599 KM COMBINATION AT SIMMONS ST, 1500 FT SOUTH OF CHEYENNE
 4600 HC 2
 *

4601 KK RCR-C
 4602 KM ROUTE CR-C TO CR2-CA
 4603 KM FACILITY = NORTH LAS VEGAS AIR TERMINAL - SIMMONS
 4604 KM FACILITY # = LAAS 0000,0014,0040
 4605 KM LINING = RCB
 4606 RD 4215 0.0112 0.015 0 TRAP 12 0
 *

4607 KK R2-CA
 4608 BA 0.447
 4609 PB 2.77
 4610 LS 0 91.8
 4611 UD 0.345
 *

4612 KK CR2-CA
 4613 KM COMBINE R2-CA AND RCR-C
 4614 KM CAREY AND SIMMONS
 4615 HC 2
 *

4616 KK LM02-C
 4617 BA 0.293
 4618 PB 2.77
 4619 LS 0 85.0
 4620 UD 0.367
 *

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HEC-1 INPUT

PAGE124

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

4621 KK RLM02-C
 4622 KM ROUTE LM02-C TO CLM03-C
 4623 KM FACILITY = LAS VEGAS WASH - LAKE MEAD
 4624 KM FACILITY # = LVLM 0442,0453,0460
 4625 KM LINING = RCP
 4626 RD 2778 0.0205 0.013 0 CIRC 4.5
 *

4627 KK LM03-C
 4628 BA 0.336
 4629 PB 2.77
 4630 LS 0 91.0
 4631 UD 0.376
 *

4632 KK CLM03-C
 4633 KM COMBINE RCLM02-C AND LM03-C
 4634 KM MICHAEL AND LAKE MEAD
 4635 HC 2
 *

4636 KK RCLM03-C
 4637 KM ROUTE CLM03-C TO CLM05-C
 4638 KM FACILITY = LAS VEGAS WASH - LAKE MEAD
 4639 KM FACILITY # = LVLM 0388,0399,0416
 4640 KM LINING = RCP
 4641 RD 2640 0.01 0.013 0 CIRC 6
 *

4642 KK LM05-C
4643 BA 0.368
4644 PB 2.77
4645 LS 0 88.2
4646 UD 0.387
*

4647 KK CLM05-C
4648 KM COMBINE RCLM03-C AND LM05-C
4649 KM DECATUR AND LAKE MEAD
4650 HC 2
*

4651 KKOG011AC2
4652 BA 0.120
4653 PB 2.77
4654 LS 0 92.0
4655 UD 0.219
*

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HEC-1 INPUT

PAGE125

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

4656 KK OG011D
4657 KM DIVERT 45 CFS EAST TOWARD RAINBOW IN SD
4658 KM BASED ON FINAL OVERALL PROJECT DRAINAGE DESIGN REPORT
4659 KM FOR US 95 WIDENING BY VTN (MAY 2003)
4660 DT OG011AD
4661 DI 0 45 100 50099410000
4662 DQ 0 45 45 45 4545
*

4663 KK ROG011D
4664 KM ROUTE OG011D TO CVG02-C
4665 KM US95 TO VEGAS DRIVE
4666 RD 5900 0.011 0.016 0 TRAP 0 50
*

4667 KKOG011A-C
4668 BA 0.313
4669 PB 2.77
4670 LS 0 81.4
4671 UD 0.413
*

4672 KK ROG011A
4673 KM ROUTE OG011A-C TO CVG02-C
4674 KM VEGAS DRIVE
4675 RD 3200 0.0172 0.016 0 TRAP 0 50
*

4676 KK VG02-C
4677 BA 0.242
4678 PB 2.77
4679 LS 0 83.0
4680 UD 0.383
*

4681 KK CVG02-C
4682 KM COMBINE ROG011A, RDOG011A, AND VG02-C
4683 KM TORREY PINES AND VEGAS DRIVE
4684 HC 3
*

4685 KK RCVG02
4686 KM ROUTE CVG02-C TO CVG03-C
4687 KM FACILITY = OWENS AVENUE SYSTEM
4688 KM FACILITY # = LVOW 0460
4689 KM LINING = RCB
4690 RD 2700 0.0148 0.015 0 TRAP 7 0
*

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HEC-1 INPUT

PAGE126

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

4691 KK VG03-C
4692 BA 0.279
4693 PB 2.77
4694 LS 0 80.2
4695 UD 0.400
*

4696 KK CVG03-C
4697 KM COMBINE RCVG02 AND VG03-C
4698 KM JONES AND VEGAS DRIVE
4699 HC 2
*

4700 KK RCVG03
4701 KM ROUTE CVG03-C TO CVG04-C
4702 KM FACILITY = OWENS AVENUE SYSTEM
4703 KM FACILITY # = LVOW 0351,0360
4704 KM LINING = RCB

4705 RD 5300 0.0148 0.015 0 TRAP 8 0
 *
 4706 KK VG04-C
 4707 BA 0.305
 4708 PB 2.77
 4709 LS 0 91.0
 4710 UD 0.506
 *
 4711 KK CVG04-C
 4712 KM COMBINE RCVG03 AND VG04-C
 4713 KM DECATUR AND VEGAS DRIVE
 4714 HC 2
 *
 4715 KKDCVG04-C
 4716 KM DIVERT 164 CFS EAST ON VEGAS
 4717 KM REMAINING FLOW CONTINUES NORTH IN LMDE 0000 ON DECATUR
 4718 DT DVG20C
 4719 DI 0 164 1000 2000
 4720 DQ 0 164 164 164
 *
 4721 KKRDCVG04C
 4722 KM ROUTE DCVG04-C TO CCLM05-C
 4723 KM FACILITY = LAKE MEAD - DECATUR
 4724 KM FACILITY # = LMDE 0000
 4725 KM LINING = RCB
 4726 RD 2640 0.009 0.015 0 TRAP 10 0
 *

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HEC-1 INPUT

PAGE127

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

4727 KKCCLM05-C
 4728 KM COMBINE RDCVG04C AND CLM05-C
 4729 KM DECATUR AND LAKE MEAD
 4730 HC 2
 *
 4731 KKRCCLM05C
 4732 KM ROUTE CCLM05-C TO CLM06-C
 4733 KM FACILITY = LAS VEGAS WASH - LAKE MEAD
 4734 KM FACILITY # = LVLM 0337,0356
 4735 KM LINING = RCB
 4736 RD 2890 0.0116 0.015 0 TRAP 12 0
 *
 4737 KK LM06B-C
 4738 BA 0.355
 4739 PB 2.77
 4740 LS 0 89.7
 4741 UD 0.468
 *
 4742 KK CLM06-C
 4743 KM COMBINE RCCLM05C AND LM06B-C
 4744 KM RANCHO AND LAKE MEAD
 4745 HC 2
 *
 4746 KK RCLM06
 4747 KM ROUTE CLM06-C TO CLM10-C
 4748 KM FACILITY = LAS VEGAS WASH - LAKE MEAD
 4749 KM FACILITY # = LVLM 0226,0271
 4750 KM LINING = RCB
 4751 RD 4114 0.0135 0.015 0 TRAP 12 0
 *
 4752 KK LM10-C
 4753 BA 0.409
 4754 PB 2.77
 4755 LS 0 90.6
 4756 UD 0.368
 *
 4757 KK CLM10-C
 4758 KM COMBINE RCLM06 AND LM10-C
 4759 HC 2
 *
 4760 KKCARYLMIN
 4761 KM COMBINE CCB3-1,CR2-CA, AND CLM10-C
 4762 KM CAREY-LAKE MEAD DETENTION BASIN TOTAL INFLOW
 * KO1
 4763 HC 3
 *

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HEC-1 INPUT

PAGE128

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

4764 KKCARYLMDB

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4765      KM  CAREY-LAKE MEAD DETENTION BASIN
4766      KM  FACILITY = LAS VEGAS WASH - LAKE MEAD
4767      KM  FACILITY # = LVLM 0228
4768      KM  STORAGE VOLUME = 607 ACRE-FEET
4769      KM  OUTLET = 2-48" RCP
4770      KM  100-YEAR DISCHARGE = 377 CFS
4771      KM  SPILLWAY LENGTH =
4772      KM  SPILLWAY HEIGHT =
4773      KM  SPILLWAY CREST ELEVATION = 2118.5'
4774      KM  SPILLWAY TYPE =
4775      KM  PMF DISCHARGE =
4776      KM  TOP OF EMBANKMENT ELEVATION = 2120.8'
          * FROM MONTGOMERY WATSON
          * K01
4777      RS   1   FLOW   -1
4778      SV   0   9     55   150   274   419   541   585   607   629
4779      SE   92   98   102   106   110   114   117   118   118.5  119
4780      SQ   0   60   90    135   150   215   350   375   380   1000
          *

4781      KK  DCAREY
4782      KM  FLOW SPLIT TO SMOKE RANCH FACILITY
4783      KM  DIBAS IN CWH
4784      DT   DR2
4785      DI   0   41   92    160   206   300   373   500   1000  5000
4786      DQ   0   1   1     1     1     95   168   168   168   168
          *

4787      KK  RDCAREY
4788      KM  ROUTE DCAREY TO CLM16A-C
4789      KM  FACILITY = LAS VEGAS WASH - LAKE MEAD
4790      KM  FACILITY # = LVLM 0170,0222
4791      KM  LINING = RCP
4792      RD   2921 0.0117 0.013   0   CIRC   6.5
          *

4793      KK  DFLOW
4794      KM  DIVERT CAREY-LAKE MEAD DETENTION BASIN DISCHARGE OUT OF MODEL
4795      KM  FOR STORM CENTERING
4796      DT   DFLOW
4797      DI   1   5000 10000
4798      DQ   1   5000 10000
          *

4799      KK  LM16A-C
4800      BA   0.379
4801      PB   2.77
4802      LS   0   90.6
4803      UD   0.383
          *

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          HEC-1 INPUT
          PAGE129

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

4804      KKCLM16A-C
4805      KM  COMBINE RDCAREY AND LM16A-C
4806      KM  TONOPAH AND LAKE MEAD
4807      HC   2
          *

4808      KK  RCLM16A
4809      KM  ROUTE CLM16A-C TO CLM14-C
4810      KM  FACILITY = LAS VEGAS WASH - LAKE MEAD
4811      KM  FACILITY # = LVLM 0060
4812      KM  LINING = RCB
4813      RD   3000 0.0066 0.015   0   TRAP   12   0
          *

4814      KK  LM14-C
4815      BA   0.342
4816      PB   2.77
4817      LS   0   85.0
4818      UD   0.392
          *

4819      KK  CLM14-C
4820      KM  COMBINE RCLM16A AND LM14-C
4821      KM  MARTIN LUTHER KING AND LAKE MEAD
4822      HC   2
          *

4823      KK  RCLM14
4824      KM  ROUTE CLM14-C TO CLM20-C
4825      KM  FACILITY = LAS VEGAS WASH - LAKE MEAD
4826      KM  FACILITY # = LVLM 0060
4827      KM  LINING = RCB
4828      RD   2950 0.0066 0.015   0   TRAP   12   0
          *

4829      KK  LM19
4830      BA   0.256
4831      PB   2.77
4832      LS   0   84.8
4833      UD   0.483

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*
4834 KK RLM19
4835 KM ROUTE LM19 TO CLM20-C
4836 KM BALZAR TO H STREET
4837 RD 4100 0.0054 0.016 0 TRAP 0 50
*
4838 KK LM20-C
4839 BA 0.383
4840 PB 2.77
4841 LS 0 86.1
4842 UD 0.403
*

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HEC-1 INPUT

PAGE130

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

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4843 KK CLM20-C
4844 KM COMBINE RLM19, RCLM14, AND LM20-C
4845 KM LAKE MEAD AND H STREET
4846 HC 3
*
4847 KK RCLM20
4848 KM ROUTE CLM20-C TO CCVG24
4849 KM FACILITY = LAS VEGAS WASH - LAKE MEAD
4850 KM FACILITY # = LVLM 0001,0017,0034
4851 KM LINING = RCB
4852 RD 2998 0.0162 0.015 0 TRAP 12 0
*
4853 KK DVG20C
4854 KM RETRIEVE DVG20C
4855 DR DVG20C
*

```

```

4856 KK RDVG20C
4857 KM ROUTE DVG20C TO CVG20-C
4858 KM FACILITY = OWENS AVENUE SYSTEM
4859 KM FACILITY # = LVOW 0241
4860 KM LINING = RCP
4861 RD 5800 0.014 0.013 0 CIRC 5.5
*

```

```

4862 KK VG20-C
4863 BA 0.305
4864 PB 2.77
4865 LS 0 86.8
4866 UD 0.469
*

```

```

4867 KK CVG20-C
4868 KM COMBINE RDVG20C AND VG20-C
4869 KM RANCHO AND VEGAS DRIVE
4870 HC 2
*

```

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4871 KK LM09-C
4872 BA 0.455
4873 PB 2.77
4874 LS 0 90.9
4875 UD 0.317
*

```

```

4876 KK DLM09-C
4877 KM SAME AS DVG21 FROM CWH
4878 KM DIVERSION AT RANCHO AND HOLLY
4879 KM FLOW IS DIVERTED ACROSS RANCHO TO HOLLY
4880 KM REMAINING FLOW CONTINUES SOUTHEAST IN RANCHO TO CVG20-C
4881 DT DHOLLY
4882 DI 0 51 201 300 400 500 600 800 1000

```

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HEC-1 INPUT

PAGE131

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

```

4883 DQ 0 1 1 100 200 300 350 450 550
*
4884 KKRDLM09-C
4885 KM ROUTE DLM09-C TO CCVG20-C
4886 KM RANCHO
4887 RD 2200 0.0136 0.016 0 TRAP 0 50
*
4888 KKCCVG20-C
4889 KM COMBINE RDLM09-C AND CVG20-C
4890 KM RANCHO AND VEGAS DRIVE
4891 HC 2
*
4892 KKDCVG20-C
4893 KM CAPACITY OF PIPE IN VEGAS = 570 CFS
4894 DT LV15

```

4895 DI 0 570 1000 2000
4896 DQ 0 0 430 1430
*

4897 KKRDCVG20C
4898 KM ROUTE DCVG20-C TO CLM16B-C
4899 KM FACILITY = OWENS AVENUE SYSTEM
4900 KM FACILITY # = LVOW 0003, 0146
4901 KM LINING = RCP
4902 RD 7450 0.009 0.013 0 CIRC 7
*

4903 KK DHOLLY
4904 KM RETRIEVE DHOLLY
4905 DR DHOLLY
*

4906 KK RDHOLLY
4907 KM ROUTE DHOLLY TO CLM16B-C
4908 KM THIS FLOW WILL COMBINE IN LVOW 0146 NEAR FERRELL ST
4909 RD 9600 0.0054 0.016 0 TRAP 0 50
*

4910 KK LM16B-C
4911 BA 0.378
4912 PB 2.77
4913 LS 0 88.8
4914 UD 0.602
*

4915 KKCLM16B-C
4916 KM COMBINE RDCVG20C, RDHOLLY, AND LM16B-C
4917 KM MARTIN LUTHER KING AND VEGAS DRIVE
4918 HC 3
*

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HEC-1 INPUT

PAGE132

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

4919 KK RCLM16B
4920 KM ROUTE CLM16B-C TO CVG10-C
4921 KM FACILITY = OWENS AVENUE SYSTEM
4922 KM FACILITY # = LVOW 0000,0003
4923 KM LINING = RCP
4924 RD 4995 0.007 0.013 0 CIRC 8
*

4925 KK OG011AD
4926 KM RETRIEVE OG011AD
4927 DR OG011AD
*

4928 KKROG011AD
4929 KM ROUTE OG011AD TO CWA01-C
4930 KM WASHINGTON
4931 RD 3200 0.0171 0.016 0 TRAP 0 50
*

4932 KK WA01-C
4933 BA 0.195
4934 PB 2.77
4935 LS 0 88.7
4936 UD 0.249
*

4937 KK CWA01-C
4938 KM COMBINE ROG011AD AMD WA01-C
4939 KM TORREY PINES AND WASHINGTON
4940 HC 2
*

4941 KK RWA01
4942 KM ROUTE WA01-C TO CWA04-C
4943 KM WASHINGTON
4944 RD 5300 0.0142 0.016 0 TRAP 0 50
*

4945 KK WA04-C
4946 BA 0.197
4947 PB 2.77
4948 LS 0 87.7
4949 UD 0.474
*

4950 KK CWA04-C
4951 KM COMBINE RWA01 AND WA04-C
4952 KM MICHAEL AND WASHINGTON
4953 HC 2
*

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HEC-1 INPUT

PAGE133

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

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4954      KK  RCWA04
4955      KM  ROUTE CWA04-C TO CWA09-C
4956      KM  FACILITY = FREEWAY CHANNEL
4957      KM  FACILITY # = LV15 0602
4958      KM  LINING = RCP
4959      RD  5980 0.0159 0.013 0 CIRC 8
          *

4960      KK  WA09-C
4961      BA  0.101
4962      PB  2.77
4963      LS  0 91.3
4964      UD  0.363
          *

4965      KK  CWA09-C
4966      KM  COMBINE RCWA04 AND WA09-C
4967      KM  VALLEY VIEW AND WASHINGTON
4968      HC  2
          *

4969      KK  RCWA09
4970      KM  ROUTE CWA09-C TO CWA10NW
4971      KM  FACILITY = FREEWAY CHANNEL
4972      KM  FACILITY # = LV15 0528
4973      KM  LINING = RCB
4974      RD  700 0.0119 0.015 0 TRAP 8
          *

4975      KK  WA10-C
4976      BA  0.447
4977      PB  2.77
4978      LS  0 87.8
4979      UD  0.367
          *

4980      KK  WA10D
4981      KM  FLOW SPLIT TO SOUTHWEST CENTRAL BASIN
4982      KM  OPPOSITE SPLIT OF WA10NW IN SOUTHWEST CENTRAL BASIN FLOW
4983      KM  FROM FINAL OVERALL PROJECT DRAINAGE DESIGN REPORT BY VTN (MAY 2003)
4984      KM  CAPACITY OF CHANNEL = 250 CFS IS DIVERTED
4985      KM  EXCESS FLOW CONTINUES DOWN WASHINGTON
4986      DT  WA10SE
4987      DI  0 10 250 275 300 800 1000 3000
4988      DQ  0 10 250 250 250 250 250 250
          *

4989      KK  CWA10NW
4990      KM  COMBINE RCWA09 AND WA10D
4991      KM  VALLEY VIEW AND WASHINGTON
4992      HC  2
          *

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HEC-1 INPUT

PAGE134

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

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4993      KKRCWA10NW
4994      KM  ROUTE CWA10NW TO CWA13-C
4995      KM  FACILITY = FREEWAY CHANNEL
4996      KM  FACILITY # = LV15 0528
4997      KM  LINING = RCB
4998      RD  4420 0.0119 0.015 0 TRAP 8 0
          *

4999      KK  WA13-C
5000      BA  0.333
5001      PB  2.77
5002      LS  0 89.8
5003      UD  0.264
          *

5004      KK  CWA13-C
5005      KM  COMBINE RCWA10NW AND WA13-C
5006      KM  RANCHO DRIVE AND WASHINGTON
5007      HC  2
          *

5008      KK  DCWA13
5009      KM  FLOW SPLIT TO SOUTHWEST CENTRAL BASIN
5010      KM  RANCHO AND WASHINGTON
5011      KM  REFERENCED FROM US-95 WIDENING PROJECT
5012      KM  FINAL OVERALL PROJECT DRAINAGE DESIGN REPORT BY VTN (MAY 2003)
5013      DT  WA13SE
5014      DI  0 500 812 1000 1200
5015      DQ  0 303 490 609 727
          *

5016      KK  LV15
5017      KM  RETRIEVE LV15
5018      DR  LV15
          *

5019      KK  RLV15
5020      KM  ROUTE LV15 TO CCWA13-C

```

5021 KM RANCHO
 5022 RD 3300 0.0045 0.016 0 TRAP 0 50
 *
 5023 KKCCWA13-C
 5024 KM COMBINE RLV15 AND DCWA13
 5025 KM TONOPAH AND WASHINGTON
 5026 HC 2
 *
 5027 KK RCWA13
 5028 KM ROUTE CCWA13-C TO CWA15-C
 5029 KM FACILITY = FREEWAY CHANNEL
 5030 KM FACILITY # = LV15 0424,0474
 5031 KM LINING = RCB
 5032 RD 5380 0.0073 0.015 0 TRAP 8 0
 *

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HEC-1 INPUT

PAGE135

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

5033 KK WA15A-C
 5034 BA 0.374
 5035 PB 2.77
 5036 LS 0 88.2
 5037 UD 0.589
 *

5038 KKCWA15A-C
 5039 KM COMBINE RCWA13 AND WA15A-C
 5040 KM MARTIN LUTHER KING AND WASHINGTON
 5041 HC 2
 *

5042 KK VG07
 5043 BA 0.261
 5044 PB 2.77
 5045 LS 0 81.4
 5046 UD 0.472
 *

5047 KK RVG07
 5048 KM ROUTE VG07 TO CVG07
 5049 KM MARTIN LUTHER KING
 5050 RD 1320 0.005 0.016 0 TRAP 0 50
 *

5051 KK CVG07
 5052 KM COMBINE RVG07 AND CWA15A-C
 5053 KM MARTIN LUTHER KING AND WASHINGTON
 5054 HC 2
 *

5055 KK RCVG07
 5056 KM ROUTE CVG07 TO CWA20-C
 5057 KM FACILITY = FREEWAY CHANNEL
 5058 KM FACILITY # = LV15 0316,0372,0409
 5059 KM LINING = RCB
 5060 RD 5100 0.0066 0.015 0 TRAP 9 0
 *

5061 KK WA20-C
 5062 BA 0.527
 5063 PB 2.77
 5064 LS 0 88.9
 5065 UD 0.628
 *

5066 KK CWA20-C
 5067 KM COMBINE RCVG07 AND WA20-C
 5068 KM FREEWAY CHANNEL AND WASHINGTON
 5069 HC 2
 *

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HEC-1 INPUT

PAGE136

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

5070 KKRCWA20-C
 5071 KM ROUTE CWA20-C TO CCVG10
 5072 KM FACILITY = FREEWAY CHANNEL
 5073 KM FACILITY # = LV15 0284,0316
 5074 KM LINING = RCB
 5075 RD 2490 0.005 0.015 0 TRAP 14 0
 *

5076 KK VG10-C
 5077 BA 0.388
 5078 PB 2.77
 5079 LS 0 87.2
 5080 UD 0.517
 *

5081 KK CVG10-C

5082 KM COMBINE VG10-C AND RCWA20
5083 HC 2
*

5084 KK CCVG10
5085 KM COMBINE CVG10-C AND RCLM16B
5086 KM FREEWAY CHANNEL AND OWENS
5087 HC 2
*

5088 KK DCCVG10
5089 KM DIVERT FLOW TO FREEWAY CHANNEL ALONG RAILROAD
5090 KM VIA 50% SPLITTER STRUCTURE
5091 KM BASED ON CENTRAL FREEWAY CHANNEL PROJECT BY VTN
5092 DT DRAILRD
5093 DI 0 1000 2040 10000
5094 DQ 0 500 1020 5000
*

5095 KKRDCCVG10
5096 KM ROUTE DCCVG10 TO CVG24
5097 KM FACILITY = LAS VEGAS WASH - COMMERCE STREET
5098 KM FACILITY # = LVCS 0000, 0015
5099 KM LINING = RCB
5100 RD 3125 0.0097 0.015 0 TRAP 12 0
*

5101 KK VG24-C
5102 BA 0.481
5103 PB 2.77
5104 LS 0 89.6
5105 UD 0.491
*

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HEC-1 INPUT

PAGE137

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

5106 KK CVG24
5107 KM COMBINE VG24-C AND RDCCVG10
5108 KM FREEWAY CHANNEL AND LAKE MEAD
5109 HC 2
*

5110 KK DRAILRD
5111 KM RETRIEVE DRAILRD
5112 DR DRAILRD
*

5113 KKRDRAILRD
5114 KM ROUTE DRAILRD TO CCVG24
5115 KM FACILITY = FREEWAY CHANNEL
5116 KM FACILITY # = LV15 0231, 0248, 0255
5117 KM LINING = CONCRETE
5118 RD 2780 0.02 0.015 0 TRAP 8 0
*

5119 KK CCVG24
5120 KM COMBINE CVG24, RDRAILRD, AND RCLM20
5121 KM FREEWAY CHANNEL AND LAKE MEAD
5122 HC 3
*

5123 KK RCCVG24
5124 KM ROUTE CCVG24 TO CW1C2
5125 KM FACILITY = FREEWAY CHANNEL
5126 KM FACILITY # = LV15 0210
5127 KM LINING = RCB
5128 RD 900 0.0018 0.015 0 TRAP 36 0
*

5129 KK DR2
5130 KM RETRIEVE DR2
5131 DR DR2
*

5132 KK DFLOW
5133 KM DIVERT CAREY-LAKE MEAD DETENTION BASIN DISCHARGE OUT OF MODEL
5134 KM FOR STORM CENTERING
5135 DT DFLOW
5136 DI 1 5000 10000
5137 DQ 1 5000 10000
*

5138 KK RDR2
5139 KM ROUTE DR2 TO CR2-C
5140 KM FACILITY = LAS VEGAS WASH - SMOKE RANCH
5141 KM FACILITY # = LVSR 0198,0209 AND LVLM 0221
5142 KM LINING = RCB
5143 RD 2911 0.0141 0.015 0 TRAP 7 0
*

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HEC-1 INPUT

PAGE138

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

```

5144      KK      R2-C
5145      BA      0.380
5146      PB      2.77
5147      LS      0      92.4
5148      UD      0.319
*

5149      KK      CR2-C
5150      KM      COMBINE RDR2 AND R2-C
5151      KM      CLAYTON AND CAREY
5152      HC      2
*

5153      KK      RCR2-C
5154      KM      ROUTE CR2-C TO CS
5155      KM      FACILITY = LAS VEGAS WASH - SMOKE RANCH
5156      KM      FACILITY # = LVSR 0149
5157      KM      LINING = RCB
5158      RD      2100 0.0058 0.015      0      TRAP      11      0
*

5159      KK      S
5160      BA      0.569
5161      PB      2.77
5162      LS      0      89.9
5163      UD      0.395
*

5164      KK      CS
5165      KM      COMBINE S AND RCR2-C
5166      KM      NEAR MARTIN LUTHER KING AND CAREY
5167      HC      2
*

5168      KK      RCS
5169      KM      ROUTE CS TO CS1-C
5170      KM      FACILITY = LAS VEGAS WASH - SMOKE RANCH
5171      KM      FACILITY # = LVSR 0046,0071,0149
5172      KM      LINING = RCB
5173      RD      5785 0.0073 0.015      0      TRAP      10      0
*

5174      KK      S1-C
5175      BA      0.470
5176      PB      2.77
5177      LS      0      87.8
5178      UD      0.498
*

5179      KK      CS1-C
5180      KM      COMBINE RCS AND S1-C
5181      KM      COMMERCE AND CAREY
5182      HC      2
*

5183      KK      RCS1-C
5184      KM      ROUTE DS1-C TO CW1C2
5185      KM      FACILITY = LAS VEGAS WASH - SMOKE RANCH
5186      KM      FACILITY # = LVSR 0000,0001,0002,0010,0021
5187      KM      LINING = RCB
5188      RD      2619 0.0232 0.015      0      TRAP      10      0
*

5189      KK      W1C2
5190      BA      0.359
5191      PB      2.77
5192      LS      0      90.7
5193      UD      0.297
*

5194      KK      CW1C2
5195      KM      COMBINE W1C2, RCS1-C, AND RCCVG24
5196      KM      SMOKE RANCH FACILITY AND FREEWAY CHANNEL
5197      HC      3
*

5198      KK      RCW1C2
5199      KM      ROUTE CW1C2 TO NORTHERN WATERSHED
5200      KM      FACILITY = FREEWAY CHANNEL
5201      KM      FACILITY # = LV15 0080,0190,0191,0193
5202      KM      LINING = CONCRETE
5203      RD      2100 0.0018 0.015      0      TRAP      20      1
*
* *****
* END OF CENTRAL NORTHWEST WATERSHED INPUT
* *****
*

5204      KK      RCCW1C2
5205      KM      ROUTE CCW1C2 TO LV1D-4

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HEC-1 INPUT

PAGE139

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

5206 KM FACILITY = FREEWAY CHANNEL
 5207 KM FACILITY # = LV15 0081
 5208 KM LINING = CONCRETE
 5209 RD 3700 0.002 0.015 0 TRAP 45 0
 *

5210 KK LV1D-3
 5211 BA 0.217
 5212 PB 2.77
 5213 LS 0 87.7
 5214 UD 0.285
 *

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HEC-1 INPUT

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

5215 KK RLV1D-3
 5216 KM ROUTE LV1D-3 TO CLV1D-4
 5217 RD 5500 0.016 0.016 0 TRAP 0 50
 *

5218 KK LV1D-4
 5219 BA 0.363
 5220 PB 2.77
 5221 LS 0 93.5
 5222 UD 0.191
 *

5223 KK CLV1D-4
 5224 KM COMBINE LV1D-4, RLV1D-3 AND RCCW1C2
 5225 KM FREEWAY CHANNEL @ EVANS
 5226 HC 3
 *

5227 KK LV1D-1
 5228 BA 0.251
 5229 PB 2.77
 5230 LS 0 92.6
 5231 UD 0.223
 *

5232 KK RLV1D-1
 5233 KM ROUTE LV1D-1 TO CLV1D-2
 5234 KM BROOKS TO COMMERCE
 5235 RD 2600 0.016 0.016 0 TRAP 0 50
 *

5236 KK LV1D-2
 5237 BA 0.195
 5238 PB 2.77
 5239 LS 0 92.6
 5240 UD 0.155
 *

5241 KK CLV1D-2
 5242 KM COMBINE LV1D-2 AND RLV1D-1
 5243 KM MAYFLOWER AND COMMERCE
 5244 HC 2
 *

5245 KK RLV1D-2
 5246 KM ROUTE CLV1D-2 TO CLV1D-5
 5247 KM FACILITY = LAS VEGAS BROOK
 5248 KM FACILITY ID-MILE = LVBR 0000,0005,0011,0013,0014,0026
 5249 KM LINING = CONCRETE
 5250 RD 4300 0.026 0.015 0 TRAP 12 2
 *

1

HEC-1 INPUT

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

5251 KK LV1D-5
 5252 BA 0.354
 5253 PB 2.77
 5254 LS 0 91.6
 5255 UD 0.278
 *

5256 KK CLV1D-5
 5257 KM COMBINE LV1D-5 AND RLV1D-2
 5258 KM LAS VEGAS BROOK CHANNEL @ FREEWAY CHANNEL
 5259 HC 2
 *

5260 KK2CLV1D-5
 5261 KM COMBINE CLV1D-5 AND CLV1D-4
 5262 KM FREEWAY CHANNEL @ LAS VEGAS BROOK
 5263 HC 2
 *

5264 KK RLV1D-5
 5265 KM ROUTE 2CLV1D-5 TO 2CLV1E-3
 5266 KM FACILITY = FREEWAY CHANNEL

5267 KM FACILITY ID-MILE = LV15 0033,0039,0060
 5268 KM LINING = RCB
 5269 RD 4000 0.008 0.015 0 TRAP 24 0
 *

5270 KK LV1E-1
 5271 BA 0.454
 5272 PB 2.77
 5273 LS 0 91.9
 5274 UD 0.287
 *

5275 KK RLV1E-1
 5276 KM ROUTE LV1E-1 TO CLV1E-2
 5277 KM FACILITY = LAS VEGAS WASH COLTON
 5278 KM FACILITY ID-MILE = LVCL 0068
 5279 KM LINING = RCP
 5280 RD 2700 0.017 0.013 0 CIRC 7.5 0
 *

5281 KK LV1E-2
 5282 BA 0.255
 5283 PB 2.77
 5284 LS 0 93.4
 5285 UD 0.317
 *

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HEC-1 INPUT

PAGE142

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

5286 KK CLV1E-2
 5287 KM COMBINE LV1E-2 AND RLV1E-1
 5288 KM LAS VEGAS WASH-COLTON @ 5TH
 5289 HC 2
 *

5290 KK RCLV1E-2
 5291 KM ROUTE CLV1E-2 TO CLV1E-3
 5292 KM FACILITY = LAS VEGAS WASH COLTON
 5293 KM FACILITY ID-MILE = LVCL 0000
 5294 KM LINING = RCP
 5295 RD 3600 0.015 0.013 0 CIRC 8.5 0
 *

5296 KK LV1E-3
 5297 BA 0.190
 5298 PB 2.77
 5299 LS 0 94.6
 5300 UD 0.219
 *

5301 KK CLV1E-3
 5302 KM COMBINE LV1E-3 AND RCLV1E-2
 5303 KM LAS VEGAS WASH-COLTON FLOW @ FREEWAY CHANNEL
 5304 HC 2
 *

5305 KK2CLV1E-3
 5306 KM COMBINE CLV1E-3 AND RCLV1D-5
 5307 KM FREEWAY CHANNEL @ COLTON
 5308 HC 2
 *

5309 KK RCLV1E-3
 5310 KM ROUTE 2CLV1E-3 TO 3C99B-7
 5311 KM FACILITY = FREEWAY CHANNEL
 5312 KM FACILITY ID-MILE = LV15 0001
 5313 KM LINING = CONCRETE
 5314 RD 1800 0.002 0.015 0 TRAP 55 0
 *

5315 KK 3C99B-7
 5316 KM COMBINE 2C99B-7 AND RCLV1E-3
 5317 KM KING CHARLES CHNL, FREEWAY CHNL, & LVWASH-MIDDLE
 5318 HC 2
 *

5319 KK R3C99B-7
 5320 KM ROUTE 3C99B-7 TO CHYPKIN
 5321 KM FACILITY = LAS VEGAS WASH MIDDLE
 5322 KM FACILITY ID-MILE = LVMD 1664,1663,1647,1646,1626,1614
 5323 KM LINING = CONCRETE
 5324 RD 2670 0.007 0.015 0 TRAP 80 2
 *

1

HEC-1 INPUT

PAGE143

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

5325 KK LW1A-5
 5326 BA 0.314
 5327 PB 2.77
 5328 LS 0 88.1
 5329 UD 0.317

```

*
5330      KK CHYPKIN
5331      KM COMBINE LW1A-5 AND R3C99B-7
5332      KM TOTAL INFLOW TO THE CHEYENNE PEAKING BASIN
          * K01
5333      HC      2
          *

5334      KK CHYPEAK
5335      KM FACILITY = CHEYENNE PEAKING BASIN
5336      KM FACILITY ID-MILE = LVMD 1645,1646
5337      KM EXISTING STORAGE VOLUME = 456 AC-FT
5338      KM PROPOSED STORAGE VOLUME = 482 AC-FT
5339      KM PROPOSED EXPANSION OF 26 AC-FT IS DEVELOPED BY
5340      KM RAISING SPILLWAY HEIGHT BY 1'
5341      KM OUTLET =60' X 7.25' RCB WITH 2' PIER WALL
5342      KM 100-YEAR DISCHARGE = 7,400 CFS
5343      KM SPILLWAY LENGTH = 712.93'
5344      KM SPILLWAY HEIGHT =
5345      KM EXISTING SPILLWAY CREST ELEVATION = 1886'
5346      KM PROPOSED SPILLWAY CREST ELEVATION = 1887'
5347      KM SPILLWAY TYPE = LABYRINTH
5348      KM PMF DISCHARGE = 64,000 CFS
5349      KM TOP OF EMBANKMENT ELEVATION = 1891'
          * K01
5350      RS      1      STOR      -1
5351      SV      0.00      1.00      89.84      456.00      482.00
5352      SQ      0.00      6325.00      6400.00      7429.00      7678.00
5353      SE      66.00      73.18      73.23      86.00      87.00
          *

5354      KK CHYPKOT
5355      KM ROUTE CHYPEAK TO LW100
5356      KM FACILITY = LAS VEGAS WASH MIDDLE
5357      KM FACILITY ID-MILE = LVMD 1609,1606,1595,1594,1550
5358      KM LINING = CONCRETE
5359      RD      3222      0.004      0.015      0      TRAP      90      0
          *

5360      KK      N
5361      KM RETRIEVE FLOW DIVERTED TO "N" CHANNEL AT I-15
5362      DR      N
          *

          HEC-1 INPUT
          PAGE144

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

5363      KK      RN
5364      KM ROUTE N TO LW100
5365      KM FACILITY = LAS VEGAS WASH N CHANNEL
5366      KM FACILITY ID-MILE = LVNC 0001,0004,0007,0008,0037,0038,0090,0091,0116
5367      KM FACILITY ID-MILE = LVNC 0128,0135,0138,0140,0147,0152,0162,0164
5368      KM LINING = CONCRETE
5369      RD      8820      0.007      0.015      0      TRAP      12      2
          *

5370      KK      LW100
5371      BA      0.281
5372      PB      2.77
5373      LS      0      86.9
5374      UD      0.489
          *

5375      KK      CLW100
5376      KM COMBINE LW100 AND RN
5377      KM "N" CHANNEL FLOW @ LAS VEGAS MIDDLE
5378      HC      2
          *

5379      KK 2CLW100
5380      KM COMBINE CLW100 AND CHYPKOT
5381      KM LAS VEGAS MIDDLE @ "N" CHANNEL
5382      HC      2
          *

5383      KKR2CLW100
5384      KM ROUTE 2CLW100 TO CLW1A-4
5385      KM FACILITY = LAS VEGAS WASH MIDDLE
5386      KM FACILITY ID-MILE = LVMD 1534,1536,1543
5387      KM LINING = CONCRETE
5388      RD      968      0.005      0.015      0      TRAP      70      0
          *

5389      KK      LW1A-2
5390      BA      0.190
5391      PB      2.77
5392      LS      0      86.0
5393      UD      0.242
          *

5394      KK      RLW1A-2
5395      KM ROUTE LW1A-2 TO CLW1A-4
5396      KM BROOKS

```

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5397 RD 4400 0.005 0.016 0 TRAP 0 50

*

HEC-1 INPUT

PAGE145

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

5398 KK LW1A-4
5399 BA 0.474
5400 PB 2.77
5401 LS 0 87.0
5402 UD 0.517
*

5403 KK CLW1A-4
5404 KM COMBINE LW1A-4, RLW1A-2 AND R2CLW100
5405 HC 3
*

5406 KK LW075-5
5407 BA 0.576
5408 PB 2.77
5409 LS 0 92.9
5410 UD 0.219
*

5411 KKRLW075-5
5412 KM ROUTE LW075-5 TO CLW075-4
5413 KM FACILITY = LAS VEGAS BLVD DRAIN
5414 KM FACILITY ID-MILE = LVLV 0000
5415 KM LINING = RCB
5416 RD 6350 0.001 0.015 0 TRAP 20 0
*

5417 KK LW075-4
5418 BA 0.451
5419 PB 2.77
5420 LS 0 83.8
5421 UD 0.400
*

5422 KKCLW075-4
5423 KM COMBINE LW075-4 AND RLW075-5
5424 HC 2
*

5425 KK2CLW1A-4
5426 KM COMBINE CLW1A-4 AND CLW075-4
5427 KM LAS VEGAS MIDDLE @ LAS VEGAS BOULEVARD
5428 HC 2
*

5429 KKRCWL1A-4
5430 KM ROUTE 2CLW1A-4 TO 2CLW1A-3
5431 KM FACILITY = LAS VEGAS WASH MIDDLE
5432 KM FACILITY ID-MILE = LVMD 1522,1484
5433 KM LINING = CONCRETE
5434 RD 1300 0.004 0.015 0 TRAP 84 0
*

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HEC-1 INPUT

PAGE146

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

5435 KK LW1A-1
5436 BA 0.314
5437 PB 2.77
5438 LS 0 84.9
5439 UD 0.213
*

5440 KK RLW1A-1
5441 KM ROUTE LW1A-1 TO CLW1A-3
5442 KM CARTIER
5443 RD 4400 0.005 0.016 0 TRAP 0 50
*

5444 KK LW1A-3
5445 BA 0.275
5446 PB 2.77
5447 LS 0 87.5
5448 UD 0.656
*

5449 KK CLW1A-3
5450 KM COMBINE LW1A-3 AND RLW1A-1
5451 KM CARTIER DRAINAGE CHANNEL FLOW @ LAS VEGAS MIDDLE
5452 HC 2
*

5453 KK2CLW1A-3
5454 KM COMBINE CLW1A-3 AND RCLW1A-4
5455 KM LAS VEGAS WASH MIDDLE @ CARTIER
5456 HC 2
*

5457 KK RCLW1A-3
 5458 KM ROUTE 2CLW1A-3 TO CLW64-4
 5459 * FACILITY = LAS VEGAS WASH MIDDLE
 5460 KM FACILITY ID-MILE = LVMD 1484,1482,1444,1424,1421
 5461 KM LINING = CONCRETE
 5462 RD 4662 0.004 0.015 0 TRAP 84 0
 *

5463 KK LW64-4
 5464 BA 0.362
 5465 PB 2.77
 5466 LS 0 87.1
 5467 UD 0.494
 *

5468 KK CLW64-4
 5469 KM COMBINE LW64-4 AND RCLW1A-3
 5470 HC 2
 * *****
 * CENTRAL WATERSHED INPUT*
 * *****

1

HEC-1 INPUT

PAGE147

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

5471 KK A-C
 5472 BA 0.252
 5473 PB 2.77
 5474 LS 0 89.6
 5475 UD 0.243
 *

5476 KK RA-C
 5477 KM ROUTE A-C TO CB-C
 5478 KM LAKE MEAD BOULEVARD
 5479 RD 4000 0.0103 0.016 0 TRAP 0 50
 *

5480 KK B-C1
 5481 BA 0.312
 5482 PB 2.77
 5483 LS 0 94.0
 5484 UD 0.475
 *

5485 KK CB-C
 5486 KM COMBINE RA-C AND B-C
 5487 KM LAKE MEAD AND EASTERN
 5488 HC 2
 *

5489 KK RCB-C
 5490 KM ROUTE B-C TO RRCB-C
 5491 KM FACILITY = LAKE MEAD TO LAS VEGAS WASH
 5492 KM FACILITY # = LVLE 0047
 5493 KM LINING = RCB
 5494 RD 2400 0.005 0.015 0 TRAP 12 0
 * *****
 * END OF CENTRAL WATERSHED INPUT *
 * *****

5495 KK LV1B-1
 5496 BA 0.329
 5497 PB 2.77
 5498 LS 0 86.7
 5499 UD 0.417
 *

5500 KK CLV1B-1
 5501 KM COMBINE RCB-C AND LV1B-1
 5502 KM LAKE MEAD AND STATZ
 5503 HC 2
 *

1

HEC-1 INPUT

PAGE148

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

5504 KK RL1B-1
 5505 KM ROUTE CLV1B-1 TO CLV1B-2
 5506 KM FACILITY = LAKE MEAD TO LAS VEGAS WASH
 5507 KM FACILITY ID-MILE = LVLE 0000
 5508 KM LINING = RCB
 5509 RD 2500 0.004 0.015 0 TRAP 12 0
 *

5510 KK LV1B-2
 5511 BA 0.305
 5512 PB 2.77
 5513 LS 0 86.0
 5514 UD 0.439
 *

5515 KK CLV1B-2
 5516 KM COMBINE LV1B-2 AND RL1B-1
 5517 KM LAKE MEAD TO LAS VEGAS WASH FLOW @ LAS VEGAS WASH MIDDLE
 5518 HC 2
 *

5519 KK2CLV1B-2
 5520 KM COMBINE CLV1B-2 AND CLW64-4
 5521 KM LAS VEGAS WASH MIDDLE @ LAKE MEAD BLVD
 5522 HC 2
 *

5523 KK FW01
 5524 BA 0.325
 5525 PB 2.77
 5526 LS 0 77.2
 5527 UD 0.367
 *

5528 KK RFW1
 5529 KM ROUTE FW01 TO CFW2
 5530 KM TWAIN
 5531 RD 2700 0.0081 0.016 0 TRAP 0 50
 *

5532 KK FW02
 5533 BA 0.240
 5534 PB 2.77
 5535 LS 0 80.5
 5536 UD 0.367
 *

5537 KK CFW2
 5538 KM COMBINE RFW1 AND FW02
 5539 KM TWAIN AND JONES
 5540 HC 2
 *

1

HEC-1 INPUT

PAGE149

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

5541 KK RCFW2
 5542 KM ROUTE CFW2 TO CFW3
 5543 KM TWAIN
 5544 RD 2500 0.0072 0.016 0 TRAP 0 50
 *

5545 KK FW03
 5546 BA 0.255
 5547 PB 2.77
 5548 LS 0 90.6
 5549 UD 0.367
 *

5550 KK CFW3
 5551 KM COMBINE RCFW2 AND FW03
 5552 KM TWAIN AND LINDELL
 5553 HC 2
 *

5554 KK RCFW3
 5555 KM ROUTE CFW3 TO CFW5
 5556 KM FACILITY = VALLEY VIEW DRAIN
 5557 KM FACILITY # = FWV 0050
 5558 KM LINING = RCB
 5559 RD 7785 0.015 0.015 0 TRAP 8 0
 *

5560 KK FW5
 5561 BA 0.523
 5562 PB 2.77
 5563 LS 0 90.9
 5564 UD 0.515
 *

5565 KK CFW5
 5566 KM COMBINE RCFW3 AND FW5
 5567 KM TWAIN AND VALLEY VIEW
 5568 HC 2
 *

5569 KK DFW5
 5570 KM OPPOSITE OF DFW11 (SEE FLAMINGO-TROPICANA WATERSHED)
 5571 KM FLOW SPLIT TO FW4 (FLAMINGO SYSTEM)
 5572 KM CAPACITY = 210 CFS
 5573 DT DFW11
 5574 DI 0 210 1000 5000
 5575 DQ 0 210 210 210
 *

1

HEC-1 INPUT

PAGE150

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

5576 KK RDFW5
 5577 KM ROUTE DFW5 TO CR4C1
 5578 KM FACILITY = VALLEY VIEW DRAIN
 5579 KM FACILITY # = FWV 0025
 5580 KM LINING = RCB
 5581 RD 1200 0.003 0.015 0 TRAP 10 0
 *

5582 KK CE2EA-C
 5583 BA 0.126
 5584 PB 2.77
 5585 LS 0 86.8
 5586 UD 0.428
 *

5587 KK RCE2EA
 5588 KM ROUTE CE2EA TO CR4C1
 5589 KM SPRING MOUNTAIN ROAD
 5590 RD 7600 0.01 0.016 0 TRAP 0 50
 *

5591 KK R4C1
 5592 BA 0.272
 5593 PB 2.77
 5594 LS 0 93.4
 5595 UD 0.419
 *

5596 KK CR4C1
 5597 KM COMBINE R4C1, RDFW5, AND RCE2EA
 5598 KM SPRING MOUNTAIN AND VALLEY VIEW
 5599 HC 3
 *

5600 KK RCR4C1
 5601 KM ROUTE CR4C1 TO CCE3FA
 5602 KM FACILITY = VALLEY VIEW DRAIN
 5603 KM FACILITY # = FWV 0000, 0025
 5604 KM LINING = RCB
 5605 RD 2285 0.003 0.015 0 TRAP 10 0
 *

5606 KK CE2EC
 5607 BA 0.264
 5608 PB 2.77
 5609 LS 0 83.1
 5610 UD 0.308
 *

1

HEC-1 INPUT

PAGE151

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

5611 KK RCE2EC
 5612 KM ROUTE CE2EC TO CCE2ED-C
 5613 KM DESERT INN
 5614 RD 5000 0.0144 0.016 0 TRAP 0 50
 *

5615 KK CE2ED-C
 5616 BA 0.313
 5617 PB 2.77
 5618 LS 0 91.7
 5619 UD 0.401
 *

5620 KKCCCE2ED-C
 5621 KM COMBINE RCE2EC AND CE2ED-C
 5622 KM DESERT INN AND DECATUR
 5623 HC 2
 *

5624 KK DCCE2ED
 5625 KM FLOW SPLIT TO CPS03
 5626 KM DIVERT FLOW NORTH ON DECATUR IN SECONDARY FACILITY
 5627 KM REMAINING FLOW FLOWS EAST ON DESERT INN
 5628 KM DIDN FROM CITY WIDE
 5629 DT DCPS03
 5630 DI 0 1 100 200 300 390
 5631 DQ 0 0 60 120 172 210
 *

5632 KKRDCCE2ED
 5633 KM ROUTE DCCE2ED TO CE3FA
 5634 KM DESERT INN
 5635 RD 5100 0.0137 0.016 0 TRAP 0 50
 *

5636 KK CE3FA
 5637 BA 0.357
 5638 PB 2.77
 5639 LS 0 93.7
 5640 UD 0.412
 *

5641 KK CCE3FA
 5642 KM COMBINE RDCCE2ED, RCR4C1 AND CE3FA
 5643 KM DESERT INN AND VALLEY VIEW
 5644 HC 3
 *

5645 KK RCCE3FA
 5646 KM ROUTE CCE3FA TO CCPS06
 5647 KM FACILITY = VALLEY VIEW DRAIN
 5648 KM FACILITY # = FWVV 0000
 5649 KM LINING = RCB
 5650 RD 500 0.003 0.015 0 TRAP 12 0
 *

1

HEC-1 INPUT

PAGE152

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

5651 KK PS01-C
 5652 BA 0.407
 5653 PB 2.77
 5654 LS 0 85.4
 5655 UD 0.364
 *

5656 KK RPS01-C
 5657 KM ROUTE PS01-C TO CPS03
 5658 KM FACILITY = PALMYRA/SIRIUS DRAIN
 5659 KM FACILITY # = FWPS 0157
 5660 KM LINING = RCP
 5661 RD 2600 0.0115 0.013 0 CIRC 8
 *

5662 KK PS03
 5663 BA 0.193
 5664 PB 2.77
 5665 LS 0 90.4
 5666 UD 0.226
 *

5667 KK CPS03
 5668 KM COMBINE RPS01-C AND PS03
 5669 KM DECATUR AND PALMYRA
 5670 HC 2
 *

5671 KK ED01
 5672 BA 0.254
 5673 PB 2.77
 5674 LS 0 85.9
 5675 UD 0.379
 *

5676 KK RED01
 5677 KM ROUTE ED01 TO CED02
 5678 KM EDNA AVENUE
 5679 RD 5100 0.0139 0.016 0 TRAP 0 50
 *

5680 KK ED02
 5681 BA 0.312
 5682 PB 2.77
 5683 LS 0 88.7
 5684 UD 0.407
 *

5685 KK ED11
 5686 BA 0.242
 5687 PB 2.77
 5688 LS 0 85.3
 5689 UD 0.370
 *

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HEC-1 INPUT

PAGE153

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

5690 KK ED12
 5691 BA 0.198
 5692 PB 2.77
 5693 LS 0 90.5
 5694 UD 0.337
 *

5695 KK CED12
 5696 KM COMBINE ED11 AND ED12
 5697 KM JONES AND ELDORA
 5698 HC 2
 *

5699 KK RCED12
 5700 KM ROUTE CED12 TO CED13
 5701 KM ELDORA STREET
 5702 RD 5100 0.0135 0.016 0 TRAP 0 50
 *

5703 KK ED13
 5704 BA 0.208
 5705 PB 2.77
 5706 LS 0 91.8
 5707 UD 0.382
 *
 5708 KK CED13
 5709 KM COMBINE RCED12 AND ED13
 5710 KM DECATUR AND ELDORA
 5711 HC 2
 *
 5712 KK RCED13
 5713 KM ROUTE CED13 TO CED02
 5714 KM FACILITY = PALMYRA / SIRIUS DRAIN - DECATUR LATERAL
 5715 KM FACILITY # = PSDE 0025
 5716 KM LINING = RCB
 5717 RD 1320 0.0025 0.015 0 TRAP 10 0
 *
 5718 KK CED02
 5719 KM COMBINE RED01, ED02, AND RCED13
 5720 KM DECATUR AND EDNA
 5721 HC 3
 *
 5722 KK RCED02
 5723 KM ROUTE CED02 TO CPS03
 5724 KM FACILITY = PALMYRA / SIRIUS DRAIN - DECATUR LATERAL
 5725 KM FACILITY # = PSDE 0000
 5726 KM LINING = RCB
 5727 RD 1330 0.0038 0.015 0 TRAP 12 0
 *

1

HEC-1 INPUT

PAGE154

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

5728 KK DCPS03
 5729 KM RETRIEVE DPS03
 5730 DR DCPS03
 *
 5731 KK RDPS03
 5732 KM ROUTE DCPS03 TO CPS03
 5733 KM DECATUR
 5734 RD 1200 0.0033 0.016 0 TRAP 0 50
 *
 5735 KK CCPS03
 5736 KM COMBINE CPS03, RDPS03 AND RCED02
 5737 KM DECATUR AND PALMYRA
 5738 HC 3
 *
 5739 KK RCCPS03
 5740 KM ROUTE CCPS03 TO CPS06
 5741 KM FACILITY = PALMYRA/SIRIUS DRAIN
 5742 KM FACILITY # = FWPS 0057
 5743 KM LINING = RCP
 5744 RD 5280 0.0128 0.015 0 TRAP 10 0
 *
 5745 KK PS06-C
 5746 BA 0.387
 5747 PB 2.77
 5748 LS 0 91.5
 5749 UD 0.317
 *
 5750 KK CPS06
 5751 KM COMBINE RCPS03 AND PS06-C
 5752 KM VALLEY VIEW AND SIRIUS
 5753 HC 2
 *
 5754 KK CCPS06
 5755 KM COMBINE CPS06 AND RCCE3FA
 5756 KM VALLEY VIEW AND SIRIUS
 5757 HC 2
 *
 5758 KK RCCPS06
 5759 KM ROUTE CCPS06 TO CRPS06
 5760 KM FACILITY = PALMYRA/SIRIUS DRAIN
 5761 KM FACILITY # = FWPS 0000
 5762 KM LINING = RCB
 5763 RD 3000 0.015 0.015 0 TRAP 12 0
 *

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HEC-1 INPUT

PAGE155

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

```

5764      KK   FW09
5765      BA   0.255
5766      PB   2.77
5767      LS   0      94.0
5768      UD   0.399
          *

5769      KK   DSPM
5770      KM   DIVERT FLOW TO SPRING MTN./I-15 INTERCHANGE DETENTION BASIN
5771      KM   FROM "HYDRAULIC DESIGN REPORT FOR I-15 WIDENING" BY LOUIS BERGER 1999
5772      DT   DSM
5773      DI   0      50      100      200      300      400      1000      2000
5774      DQ   0      0      20      60      160      260      260      260
          *

5775      KK   RDSPM
5776      KM   ROUTE DSPM TO CCE3FD-C
5777      KM   FROM "HYDRAULIC DESIGN REPORT FOR I-15 WIDENING" BY LOUIS BERGER 1999
5778      KM   LINING = RCP
5779      RD   1390 0.0046 0.015      0      CIRC      5
          *

5780      KK   CE3FD-C
5781      BA   0.281
5782      PB   2.77
5783      LS   0      94.0
5784      UD   0.431
          *

5785      KK   KCCCE3FD-C
5786      KM   COMBINE RDSPM AND CE3FD-C
5787      KM   FREEWAY CHANNEL AND DESERT INN
5788      HC   2
          *

5789      KK   RCCE3FD
5790      KM   ROUTE CCE3FD-C TO CRCPS06
5791      KM   FACILITY = FREEWAY CHANNEL DESERT INN TO I-15
5792      KM   FACILITY # = FW15 0301
5793      KM   LINING = CONCRETE
5794      RD   1300 0.0042 0.015      0      TRAP      12      2
          *

5795      KK   CRCPS06
5796      KM   COMBINE RCCCE3FD AND RCCPS06
5797      KM   COMBINATION AT FREEWAY CHANNEL AND PALMYRA
5798      HC   2
          *

          HEC-1 INPUT
          PAGE156

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

5799      KK   KRCRCPS06
5800      KM   ROUTE CRCPS06 TO CPS08
5801      KM   FACILITY = FREEWAY CHANNEL DESERT INN TO I-15
5802      KM   FACILITY # = FW15 0271
5803      KM   LINING = RCB
5804      RD   1520 0.0059 0.015      0      TRAP      24      0
          *

5805      KK   PS08
5806      BA   0.179
5807      PB   2.77
5808      LS   0      92.3
5809      UD   0.238
          *

5810      KK   CPS08
5811      KM   COMBINE RRCRCPS06 AND PS08
5812      KM   FREEWAY CHANNEL AND SUBBASIN PS08
5813      HC   2
          *

5814      KK   ED05-C
5815      BA   0.441
5816      PB   2.77
5817      LS   0      91.3
5818      UD   0.495
          *

5819      KK   RED05-C
5820      KM   ROUTE ED05-C TO CCPS08
5821      KM   EDNA AVENUE
5822      RD   1900 0.0158 0.016      0      TRAP      0      50
          *

5823      KK   CCPS08
5824      KM   COMBINE CPS08 AND RED05-C
5825      KM   EDNA AND FREEWAY CHANNEL
5826      HC   2
          *

5827      KK   RCCPS08

```

5828 KM ROUTE CCPS08 TO CED10-C
 5829 KM FACILITY = FREEWAY CHANNEL FROM DESERT INN TO I-15
 5830 KM FACILITY # = FW15 0242
 5831 KM LINING = RCB
 5832 RD 1500 0.0093 0.015 0 TRAP 24 0
 *

5833 KK ED10-C
 5834 BA 0.217
 5835 PB 2.77
 5836 LS 0 90.8
 5837 UD 0.293
 *

1

HEC-1 INPUT

PAGE157

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

5838 KK CED10-C
 5839 KM COMBINE RCCPS08 AND ED10-C
 5840 KM COMBINATION OF FREEWAY CHANNEL AND ED10-C
 5841 HC 2
 *

5842 KKR CED10-C
 5843 KM ROUTE CED10-C TO CSA08
 5844 KM FACILITY = FREEWAY CHANNEL FROM DESERT INN TO I-15
 5845 KM FACILITY # = FW15 0214
 5846 KM LINING = RCB
 5847 RD 1610 0.0073 0.015 0 TRAP 24 0
 *

5848 KK SA06-C
 5849 BA 0.203
 5850 PB 2.77
 5851 LS 0 93.7
 5852 UD 0.384
 *

5853 KK RSA06-C
 5854 KM ROUTE SA06-C TO CSA08
 5855 KM FACILITY = FREEWAY CHANNEL SAHARA
 5856 KM FACILITY # = FWSA 0000
 5857 KM LINING = RCB
 5858 RD 5700 0.0149 0.015 0 TRAP 7 0
 *

5859 KK SA08
 5860 BA 0.218
 5861 PB 2.77
 5862 LS 0 94.0
 5863 UD 0.265
 *

5864 KK CSA08
 5865 KM COMBINE RSA06-C AND SA08
 5866 KM FREEWAY CHANNEL AND SAHARA AVENUE
 5867 HC 2
 *

5868 KK CCSA08
 5869 KM COMBINE RCED10-C AND CSA08
 5870 KM FREEWAY CHANNEL AND SAHARA AVENUE
 5871 HC 2
 *

5872 KK DCCSA08
 5873 KM DIVERT OUT ALL FLOW EXCEEDING 1450 CFS TO REDUCE FLOWS @ CHARLESTON
 5874 KM SPLIT 50/50
 5875 KM FLOW DIVERTED TO PROPOSED SAHARA FACILITY
 5876 DT DSAHARA
 5877 DI 0 1000 2000 2900 6000
 HEC-1 INPUT

1

PAGE158

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

5878 DQ 0 500 1000 1450 4550
 *

5879 KK RCCSA08
 5880 KM ROUTE CCSA08 TO COK11-C
 5881 KM FACILITY = FREEWAY CHANNEL DESERT INN TO I-15
 5882 KM FACILITY # = FW15 0125,0150,0175
 5883 KM LINING = RCB
 5884 RD 3402 0.008 0.015 0 TRAP 20 0
 *

5885 KK CH14-C
 5886 BA 0.168
 5887 PB 2.77
 5888 LS 0 91.6
 5889 UD 0.432
 *

5890 KK RCH14-C

5891 KM ROUTE CH14-C TO COK09-C
 5892 KM OAKEY
 5893 RD 2225 0.022 0.016 0 TRAP 0 50
 *

5894 KK OK09-C
 5895 BA 0.377
 5896 PB 2.77
 5897 LS 0 91.8
 5898 UD 0.606
 *

5899 KK COK09-C
 5900 KM COMBINE RCH14-C AND OK09-C
 5901 KM OAKEY AND CAMPBELL
 5902 HC 2
 *

5903 KKRCOK09-C
 5904 KM ROUTE COK09-C TO COK10
 5905 KM FACILITY = OAKEY DRAIN
 5906 KM FACILITY # = FWOK 0040, 0060, 0076
 5907 KM LINING = RCB
 5908 RD 2300 0.015 0.015 0 TRAP 5 0
 *

5909 KK OK10
 5910 BA 0.307
 5911 PB 2.77
 5912 LS 0 90.7
 5913 UD 0.379
 *

1

HEC-1 INPUT

PAGE159

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

5914 KK COK10
 5915 KM COMBINE RCOK09-C AND OK10
 5916 KM OAKEY AND VILLA DE CONDE
 5917 HC 2
 *

5918 KK RCOK10
 5919 KM ROUTE COK10 TO 1COK11C
 5920 KM FACILITY = OAKEY DRAIN
 5921 KM FACILITY # = FWOK 0000, 0020, 0040
 5922 KM LINING = RCB
 5923 RD 3100 0.006 0.015 0 TRAP 10 0
 *

5924 KK OK11-C
 5925 BA 0.308
 5926 PB 2.77
 5927 LS 0 90.2
 5928 UD 0.528
 *

5929 KK 1COK11C
 5930 KM COMBINE RCOK10, AND OK11-C
 5931 KM OAKEY DRAIN @ FREEWAY CHANNEL
 5932 HC 2
 *

5933 KK COK11C
 5934 KM COMBINE RCCSA08 AND 1COK11C
 5935 KM FREEWAY CHANNEL AND OAKEY
 5936 HC 2
 *

5937 KK RCOK11C
 5938 KM ROUTE COK11C TO CCWAL2
 5939 KM FACILITY = FREEWAY CHANNEL FROM DESERT INN TO I-15
 5940 KM FACILITY # = FW15 0100
 5941 KM LINING = RCB
 5942 RD 1575 0.0017 0.015 0 TRAP 36 0
 *

5943 KK WAL1
 5944 BA 0.209
 5945 PB 2.77
 5946 LS 0 88.7
 5947 UD 0.316
 *

5948 KK RWAL1
 5949 KM ROUTE WAL1 TO CWAL2
 5950 KM WALDMAN
 5951 RD 3100 0.0081 0.016 0 TRAP 0 50
 *

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HEC-1 INPUT

PAGE160

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

5952 KK WAL2
5953 BA 0.245
5954 PB 2.77
5955 LS 0 86.1
5956 UD 0.367
*

5957 KK CWAL2
5958 KM COMBINE RWAL1 AND WAL2
5959 HC 2
*

5960 KK CCWAL2
5961 KM COMBINE RCOK11C AND CWAL2
5962 KM FREEWAY CHANNEL AND WALDMAN
5963 HC 2
*

5964 KK RCCWAL2
5965 KM ROUTE CCWAL2 TO CCH50
5966 KM FACILITY = FREEWAY CHANNEL FROM DESERT INN TO I-15
5967 KM FACILITY # = FW15 0089, 0050
5968 KM LINING = RCB
5969 RD 1850 0.0017 0.015 0 TRAP 36 0
*

5970 KK CH50
5971 BA 0.258
5972 PB 2.77
5973 LS 0 94.3
5974 UD 0.544
*

5975 KK CCH50
5976 KM COMBINE RCCWAL2 AND CH50
5977 KM COMBINATION AT FREEWAY CHANNEL
5978 HC 2
*

5979 KK CH15-C
5980 BA 0.237
5981 PB 2.77
5982 LS 0 91.3
5983 UD 0.332
*

5984 KK RCH15-C
5985 KM ROUTE CH15-C TO CCH18-C
5986 KM CHARLESTON
5987 RD 3900 0.0103 0.016 0 TRAP 0 50
*

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HEC-1 INPUT

PAGE161

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

5988 KK CH18-C
5989 BA 0.290
5990 PB 2.774
5991 LS 0 90.1
5992 UD 0.327
*

5993 KK CCH18-C
5994 KM COMBINE RCH15-C AND CH18-C
5995 KM RANCHO DR AND CHARLESTON
5996 HC 2
*

5997 KKRCCH18-C
5998 KM ROUTE CCH18-C TO CCCH18-C
5999 KM FACILITY = WEST CHARLESTON DRAINS
6000 KM FACILITY # = FWCH 0044, 0047
6001 KM LINING = RCB
6002 RD 850 0.0205 0.015 0 TRAP 7 0
*

6003 KK AL92
6004 BA 0.429
6005 PB 2.77
6006 LS 0 83.9
6007 UD 0.489
*

6008 KK DAL92
6009 KM FLOW SPLIT TO AL93
6010 KM INTERSECTION FLOW SPLIT AT ALTA AND RANCHO
6011 KM FROM PREDESIGN REPORT FOR I-15 FREEWAY CHANNEL (PB, 1999)
6012 DT DAL93
6013 DI 0 310 1000
6014 DQ 0 120 390
*

6015 KK RDAL92
6016 KM ROUTE DAL92 TO CAL95

6017 KM RANCHO
 6018 RD 1300 0.0015 0.016 0 TRAP 0 50
 *
 6019 KK AL95-C
 6020 BA 0.192
 6021 PB 2.77
 6022 LS 0 84.7
 6023 UD 0.313
 *

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HEC-1 INPUT

PAGE162

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

6024 KK CAL95
 6025 KM COMBINE RDAL92 AND AL95-C
 6026 KM RANCHO AND PALOMINO
 6027 HC 2
 *
 6028 KKRCAL95-C
 6029 KM ROUTE CAL95 TO CCCH18-C
 6030 KM FACILITY = WEST CHARLESTON DRAINS - RANCHO
 6031 KM FACILITY # = CHRA 0000, 0006, 0014
 6032 KM LINING = RCB
 6033 RD 1326 0.015 0.015 0 TRAP 5 0
 *

6034 KKCCCH18-C
 6035 KM COMBINE RCAL95-C AND RCCH18-C
 6036 KM RANCHO DRAINS AND WEST CHARLESTON DRAINS
 6037 HC 2
 *

6038 KKCCCH18C
 6039 KM ROUTE CCCH18-C TO CCH22
 6040 KM FACILITY = WEST CHARLESTON DRAINS
 6041 KM FACILITY # = FWCH 0000, 0020, 0036
 6042 KM LINING = RCP
 6043 RD 2975 0.0074 0.015 0 TRAP 10
 *

6044 KK CH22-C
 6045 BA 0.230
 6046 PB 2.77
 6047 LS 0 94.7
 6048 UD 0.422
 *

6049 KK CCH22
 6050 KM COMBINE RCCCH18C AND CH22-C
 6051 KM I15 AND CHARLESTON
 6052 HC 2
 *

6053 KK CCCH22
 6054 KM COMBINE CCH50 AND CCH22
 6055 KM FREEWAY CHANNEL AND CHARLESTON
 6056 HC 2
 *

6057 KK RCCCH22
 6058 KM ROUTE CCCH22 TO CAL96
 6059 KM FACILITY = FREEWAY CHANNEL FROM DESERT INN TO I-15
 6060 KM FACILITY # = FW15 0010, 0038
 6061 KM LINING = RCB
 6062 RD 2622 0.0017 0.015 0 TRAP 36 0
 *

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HEC-1 INPUT

PAGE163

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

6063 KK AL96-C
 6064 BA 0.181
 6065 PB 2.77
 6066 LS 0 94.6
 6067 UD 0.350
 *

6068 KK CAL96
 6069 KM COMBINE RCCH22 AND AL96-C
 6070 KM FREEWAY CHANNEL AND ALTA
 6071 HC 2
 *

6072 KK RCAL96
 6073 KM ROUTE CAL96 TO CAL93
 6074 KM FACILITY = FREEWAY CHANNEL FROM DESERT INN TO I-15
 6075 KM FACILITY # = FW15 0000
 6076 KM LINING = RCB
 6077 RD 2170 0.0017 0.015 0 TRAP 36 0
 *

6078 KK DAL93
 6079 KM RETRIEVE DAL93
 6080 DR DAL93
 *

 6081 KK RDAL93
 6082 KM ROUTE DAL93 TO CAL93
 6083 KM ALTA
 6084 RD 5500 0.0046 0.016 0 TRAP 0 50
 *

 6085 KK AL93-C
 6086 BA 0.524
 6087 PB 2.77
 6088 LS 0 91.0
 6089 UD 0.367
 *

 6090 KK CAL93
 6091 KM COMBINE RCAL96, RDAL93, AND AL93-C
 6092 KM COMBINATION WITH LAS VEGAS CREEK
 6093 HC 3
 *

 6094 KK 1-GOLF
 6095 BA 0.362
 6096 PB 2.83
 6097 LS 0 86.6
 6098 UD 0.323
 *

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HEC-1 INPUT

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

6099 KK R1-GOLF
 6100 KM ROUTE 1-GOLF TO C2a-OAK
 6101 KM VIA OLIVERO
 6102 RD 2600 0.0269 0.016 0 TRAP 0 50
 *

 6103 KK2a-OAK-C
 6104 BA 0.314
 6105 PB 2.77
 6106 LS 0 87.7
 6107 UD 0.313
 *

 6108 KK C2a-OAK
 6109 KM COMBINE R1-GOLFC AND 2a-OAK-C
 6110 KM BUFFALO AND VIA OLIVERO
 6111 HC 2
 *

 6112 KKRC2a-OAK
 6113 KM ROUTE C2a-OAK TO C3-ELP-C
 6114 KM VIA OLIVERO
 6115 RD 4000 0.025 0.016 0 TRAP 0 50
 *

 6116 KK 3-ELP-C
 6117 BA 0.209
 6118 PB 2.77
 6119 LS 0 90.2
 6120 UD 0.253
 *

 6121 KKRC3-ELP-C
 6122 KM COMBINE RC2a-OAK AND 3-ELP-C
 6123 KM VIA OLIVERO AND MECH 0400
 6124 HC 2
 *

 6125 KKRC3-ELPC
 6126 KM ROUTE RC3-ELPC TO C3a-OAKC
 6127 KM FACILITY = EXTENSION OF MEADOWS/CHARLESTON COLLECTION SYSTEM
 6128 KM FACILITY # = MECH 0400
 6129 KM LINING = RCB
 6130 RD 1300 0.0143 0.015 0 TRAP 10 0
 *

 6131 KK3a-OAK-C
 6132 BA 0.432
 6133 PB 2.77
 6134 LS 0 85.7
 6135 UD 0.283
 *

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HEC-1 INPUT

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

6136 KK3a-OAKC
 6137 KM COMBINE RC3-ELPC AND 3a-OAK-C
 6138 KM O'BANNON AND MECH 0378

```

6139      HC      2
        *

6140      KKRC3aOAKC
6141      KM      ROUTE C3a-OAKC TO OAKEYIN
6142      KM      FACILITY = EXTENSION OF MEADOWS/CHARLESTON COLLECTION SYSTEM
6143      KM      FACILITY # = MECH 0338, 0378
6144      KM      LINING = RCB
6145      RD      2805  0.016  0.015      0      TRAP      10      0
        *

6146      KK3-HOLM-C
6147      BA      0.331
6148      PB      2.77
6149      LS      0      90.7
6150      UD      0.342
        *

6151      KKR3-HOLMC
6152      KM      ROUTE R3-HOLMC TO C5-OAK-C
6153      KM      FACILITY = EXTENSION OF MEADOWS/CHARLESTON COLLECTION SYSTEM
6154      KM      FACILITY # = MECH 0334, 0337, 0351
6155      KM      LINING = RCP
6156      RD      1700  0.005  0.013      0      CIRC      7.5      0
        *

6157      KK 5-OAK-C
6158      BA      0.232
6159      PB      2.77
6160      LS      0      88.0
6161      UD      0.248
        *

6162      KK C5-OAK-C
6163      KM      COMBINE R3-HOLMC AND 5-OAK-C
6164      KM      OAKEY DETENTION BASIN
6165      HC      2
        *

6166      KK OAKEYIN
6167      KM      COMBINE RC3aOAKC AND C5-OAK-C
6168      KM      OAKEY DETENTION BASIN
        * K01
6169      HC      2
        *

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HEC-1 INPUT

PAGE166

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

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6170      KK OAKEYDB
6171      KM      OAKEY DETENTION BASIN
6172      KM      FACILITY = EXTENSION OF MEADOWS/CHARLESTON COLLECTION SYSTEM
6173      KM      FACILITY # = MECH 0324
6174      KM      STORAGE VOLUME = 201 ACRE-FEET
6175      KM      OUTLET = 1-15" OUTLET PIPE
6176      KM      100-YEAR DISCHARGE = 32 CFS
6177      KM      SPILLWAY LENGTH = 290 FEET
6178      KM      SPILLWAY HEIGHT =
6179      KM      SPILLWAY CREST ELEVATION = 2348.5'
6180      KM      SPILLWAY TYPE =
6181      KM      PMF DISCHARGE =
6182      KM      TOP OF EMBANKMENT ELEVATION =
        * K01
6183      RS      1      STOR      0
6184      SV      0      2      6      14      25      40      57      77      101      130
6185      SV      144      159      174      191      201      206      219      231      244      256
6186      SE      26      28      30      31      34      36      38      40      42      44
6187      SE      45      46      47      48      48.5      49      50      51      52      53
6188      SS      48.5      290      3.1      1.5
6189      SL      26      1.4      0.65      0.5
        *

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6190      KK OAKEYOT
6191      KM      ROUTE OAKEYDB TO CCKO8
6192      KM      FACILITY = EXTENSION OF MEADOWS/CHARLESTON COLLECTION SYSTEM
6193      KM      FACILITY # = MECH 0108, 0310, 0323
6194      KM      LINING = RCP
6195      RD      9750  0.0143  0.013      0      CIRC      2.5
        *

6196      KK SA01-C
6197      BA      0.263
6198      PB      2.77
6199      LS      0      94.5
6200      UD      0.340
        *

6201      KK RSA01-C
6202      KM      ROUTE SA01-C TO CSA05
6203      KM      SAHARA
6204      RD      5200  0.0144  0.016      0      TRAP      0      50
        *

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6205      KK      SA05

```

6206 BA 0.176
 6207 PB 2.77
 6208 LS 0 93.2
 6209 UD 0.318
 *

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HEC-1 INPUT

PAGE167

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

6210 KK CSA05
 6211 KM COMBINE RSA01-C AND SA05
 6212 KM SAHARA AND DECATUR
 6213 HC 2
 *

6214 KK RCSA05
 6215 KM ROUTE CSA05 TO CSA06
 6216 KM FACILITY = MEADOWS OAKEY DRAIN
 6217 KM FACILITY # = MEOK 0217
 6218 KM LINING = RCB
 6219 RD 1276 0.0044 0.015 0 TRAP 12 0
 *

6220 KK SA06
 6221 BA 0.079
 6222 PB 2.77
 6223 LS 0 93.7
 6224 UD 0.193
 *

6225 KK CSA06
 6226 KM COMBINE RCSA05 AND SA06
 6227 KM O'BANNON AND DECATUR
 6228 HC 2
 *

6229 KK OK06-C
 6230 BA 0.174
 6231 PB 2.77
 6232 LS 0 91.1
 6233 UD 0.302
 *

6234 KK ROK06-C
 6235 KM ROUTE OK06-C TO COK07
 6236 KM OBANNON
 6237 RD 5100 0.0147 0.016 0 TRAP 0 50
 *

6238 KK OK07
 6239 BA 0.241
 6240 PB 2.77
 6241 LS 0 87.1
 6242 UD 0.335
 *

6243 KK COK07
 6244 KM COMBINE OK07, ROK06-C, AND CSA06
 6245 KM O'BANNON AND DECATUR
 6246 HC 3
 *

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HEC-1 INPUT

PAGE168

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

6247 KK RCOK07
 6248 KM ROUTE COK07 TO COK04-C
 6249 KM FACILITY = MEADOWS OAKEY DRAIN
 6250 KM FACILITY # = MEOK 0191, 0204
 6251 KM LINING = RCB
 6252 RD 1315 0.0071 0.015 0 TRAP 12 0
 *

6253 KK OK03-C
 6254 BA 0.363
 6255 PB 2.77
 6256 LS 0 90.8
 6257 UD 0.317
 *

6258 KK ROK03-C
 6259 KM ROUTE OK03-C TO COK04-C
 6260 KM OAKEY
 6261 RD 5100 0.016 0.016 0 TRAP 0 50
 *

6262 KK OK04-C
 6263 BA 0.198
 6264 PB 2.77
 6265 LS 0 85.7
 6266 UD 0.365
 *

6267 KK COK04-C
6268 KM COMBINE ROK03-C, OK04-C AND RCOK07
6269 KM OAKY AND DECATUR
6270 HC 3
*

6271 KKRCOK04-C
6272 KM ROUTE COK04-C TO COK08
6273 KM FACILITY = MEADOWS OAKY DRAIN
6274 KM FACILITY # = MEOK 0166
6275 KM LINING = RCB
6276 RD 1350 0.0045 0.015 0 TRAP 12 0
*

6277 KK OK08
6278 BA 0.083
6279 PB 2.77
6280 LS 0 91.0
6281 UD 0.184
*

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HEC-1 INPUT

PAGE169

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

6282 KK COK08
6283 KM COMBINE RCOK04-C AND OK08
6284 KM DEL RAY AND DECATUR
6285 HC 2
*

6286 KK CCOK08
6287 KM COMBINE COK08 AND OAKYOT
6288 KM DEL RAY AND DECATUR
6289 HC 2
*

6290 KK RCCOK08
6291 KM ROUTE CCOK08 TO COK12
6292 KM FACILITY = MEADOWS OAKY DRAIN
6293 KM FACILITY # = MEOK 0110
6294 KM LINING = RCB
6295 RD 2946 0.0077 0.015 0 TRAP 12 0
*

6296 KK CH04-C
6297 BA 0.175
6298 PB 2.77
6299 LS 0 92.7
6300 UD 0.240
*

6301 KK RCH04-C
6302 KM ROUTE CH04-C TO CCH05-C
6303 KM FACILITY = MEADOWS CHARLESTON
6304 KM FACILITY # = MECN 0223
6305 KM LINING = RCB
6306 RD 3100 0.0204 0.015 0 TRAP 6 0
*

6307 KK CH05-C
6308 BA 0.163
6309 PB 2.77
6310 LS 0 94.3
6311 UD 0.329
*

6312 KK CCH05-C
6313 KM COMBINE RCH04-C AND CH05-C
6314 KM TORREY PINES AND CHARLESTON
6315 HC 2
*

6316 KKRCCH05-C
6317 KM ROUTE CCH05-C TO CCH09-C
6318 KM FACILITY = MEADOWS CHARLESTON
6319 KM FACILITY # = MECN 0123
6320 KM LINING = RCB
6321 RD 5200 0.0164 0.015 0 TRAP 8 0
*

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HEC-1 INPUT

PAGE170

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

6322 KK CH09-C
6323 BA 0.378
6324 PB 2.77
6325 LS 0 91.5
6326 UD 0.341
*

6327 KK CCH09-C
6328 KM COMBINE RCCH05-C AND CH09-C
6329 KM CHARLESTON AND LINDELL

6330 HC 2
*

6331 KKRCCH09-C
6332 KM ROUTE CCH09-C TO CCH10
6333 KM FACILITY = MEADOWS CHARLESTON
6334 KM FACILITY # = MECN 0061
6335 KM LINING = RCB
6336 RD 3300 0.0182 0.015 0 TRAP 8 0
*

6337 KK CH10
6338 BA 0.279
6339 PB 2.77
6340 LS 0 93.1
6341 UD 0.222
*

6342 KK CCH10
6343 KM COMBINE RCCH09-C AND CH10
6344 KM CHARLESTON AND DECATUR
6345 HC 2
*

6346 KK RCCH10
6347 KM ROUTE CCH10 TO COK12
6348 KM FACILITY = MEADOWS CHARLESTON
6349 KM FACILITY # = MECN 0000
6350 KM LINING = RCB
6351 RD 1570 0.0109 0.015 0 TRAP 9 0
*

6352 KK OK12
6353 BA 0.050
6354 PB 2.77
6355 LS 0 95.6
6356 UD 0.163
*

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HEC-1 INPUT

PAGE171

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

6357 KK COK12
6358 KM COMBINE RCCOK08, RCCH10 AND OK12
6359 KM CHARLESTON AND MEOK 0110
6360 HC 3
*

6361 KK RCOK12
6362 KM ROUTE COK12 TO CCH14B
6363 KM FACILITY = MEADOWS OAKEY DRAIN
6364 KM FACILITY # = MEOK 0079, 0091
6365 KM LINING = RCB
6366 RD 1633 0.005 0.015 0 TRAP 18 0
*

6367 KK CH14B
6368 BA 0.217
6369 PB 2.77
6370 LS 0 90.8
6371 UD 0.356
*

6372 KK CCH14B
6373 KM COMBINE RCOK12 AND CCH14B
6374 KM HINSON AND CHARLESTON
6375 HC 2
*

6376 KK RCCH14B
6377 KM ROUTE CCH14B TO COK13
6378 KM FACILITY = MEADOWS OAKEY DRAIN
6379 KM FACILITY # = MEOK 0000, 0048
6380 KM LINING = RCB
6381 RD 1950 0.005 0.015 0 TRAP 18 0
*

6382 KK OK13
6383 BA 0.099
6384 PB 2.77
6385 LS 0 92.7
6386 UD 0.376
*

6387 KK COK13
6388 KM COMBINE RCCH14B AND OK13
6389 KM FULTON PLACE AND VALLEY VIEW
6390 HC 2
*

6391 KK RCOK13
6392 KM ROUTE COK13 TO CCAL16
6393 KM FACILITY = MEADOWS OAKEY DRAIN
6394 KM FACILITY # = MEOK 0000, 0017

6395 KM LINING = RCB
 6396 RD 2450 0.0091 0.015 0 TRAP 19 0
 *

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HEC-1 INPUT

PAGE172

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

6397 KK R1
 6398 BA 0.086
 6399 PB 2.77
 6400 LS 0 90.6
 6401 UD 0.210
 *

6402 KK PR1
 6403 KM REFERENCED FROM THE MPA FOR THE MEADOWS ALTA PARALLEL SYSTEM
 6404 KM PREPARED BY CITY OF LAS VEGAS DEPARTMENT OF PUBLIC WORKS (OCTOBER 2006)
 6405 KM PONDING BEHIND HOME DEPOT THAT LIMITS DISCHARGE TO CAPACITY OF PIPE AND CHANN
 6406 KM DISCHARGE GREATER THAN 90 CFS AFTER PONDING WILL SPILL OUT TOWARD CHARLESTON
 6407 RS 1 ELEV 10.1
 6408 SV 0 2.7 3.5
 6409 SE 10.1 13.7 14.7
 6410 SQ 0 90 113
 *

6411 KK RPR1
 6412 KM ROUTE PR1 TO CR2
 6413 KM PRIMARILY PARKING LOT BEHIND HOME DEPOT
 6414 RD 2900 0.0103 0.016 0 TRAP 0 50
 *

6415 KK R3
 6416 BA 0.275
 6417 PB 2.77
 6418 LS 0 91.3
 6419 UD 0.297
 *

6420 KK R2
 6421 BA 0.045
 6422 PB 2.77
 6423 LS 0 90.7
 6424 UD 0.228
 *

6425 KK CR2
 6426 KM COMBINE RPR1, R2 AND R3
 6427 KM ALTA AND LORENZI
 6428 HC 3
 *

6429 KK DCR2
 6430 KM DIVERT PEAK FLOW TO LORENZI STORM DRAIN
 6431 KM FIRST 150 CFS GOES EAST ON ALTA, REMAINDER GOES NORTH
 6432 KM REFERENCED FROM THE MEADOWS ALTA PARALLEL PROJECT PHASE II by VTN
 6433 DT DAL00A
 6434 DI 0 150 1000
 6435 DQ 0 0 850
 *

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HEC-1 INPUT

PAGE173

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

6436 KK RDCR2
 6437 KM ROUTE DCR2 TO CAL01A
 6438 KM FACILITY = MEADOWS - ALTA
 6439 KM FACILITY # = MEAL 0160, 0209
 6440 KM LINING = RCP
 6441 RD 4300 0.015 0.013 0 CIRC 4
 *

6442 KK AL01A
 6443 BA 0.123
 6444 PB 2.77
 6445 LS 0 90.5
 6446 UD 0.254
 *

6447 KK CAL01A
 6448 KM COMBINE AL01A AND RDCR2
 6449 KM ALTA AND JONES
 6450 HC 2
 *

6451 KK RCAL01A
 6452 KM ROUTE CAL01A TO CUS
 6453 KM FACILITY = MEADOWS - ALTA
 6454 KM FACILITY # = MEAL 0150, 0160
 6455 KM LINING = RCP
 6456 RD 1100 0.0125 0.013 0 CIRC 3
 *

6457 KK US

6458 BA 0.030
6459 PB 2.77
6460 LS 0 90.5
6461 UD 0.171
*

6462 KK CUS
6463 KM COMBINE RAL01A AND US
6464 KM ALTA AND JONES
6465 HC 2
*

6466 KK AL04-C
6467 BA 0.179
6468 PB 2.77
6469 LS 0 90.3
6470 UD 0.346
*

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HEC-1 INPUT

PAGE174

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

6471 KK RAL04-C
6472 KM ROUTE AL04-C TO CCUS
6473 KM FACILITY = MEADOWS - ALTA
6474 KM FACILITY # = MEAL 0130
6475 KM LINING = RCB
6476 RD 1150 0.004 0.015 0 TRAP 6 0
*

6477 KK CCUS
6478 KM COMBINE CUS AND RAL04-C
6479 KM ALTA AND JONES
6480 HC 2
*

6481 KK RCCUS
6482 KM ROUTE CCUS TO CAL05-C
6483 KM FACILITY = MEADOWS - ALTA
6484 KM FACILITY # = MEAL 0120
6485 KM LINING = RCP
6486 RD 1900 0.01 0.013 0 CIRC 5 0
*

6487 KK AL05-C
6488 BA 0.234
6489 PB 2.77
6490 LS 0 90.5
6491 UD 0.376
*

6492 KK GS
6493 BA 0.037
6494 PB 2.77
6495 LS 0 90.5
6496 UD 0.190
*

6497 KK DGS
6498 KM REFERENCED FROM THE MPA FOR THE MEADOWS ALTA PARALLEL SYSTEM
6499 KM PREPARED BY CITY OF LAS VEGAS DEPARTMENT OF PUBLIC WORKS (OCTOBER 2006)
6500 KM DIVERT OUT OVERLAND FLOW NOT COLLECTED IN MEADOWS-ALTA PIPE SYSTEM
6501 DT DGSR
6502 DI 0 27 72
6503 DQ 0 0 36
*

6504 KK CAL05-C
6505 KM COMBINE RCCUS, ALO5-C AND DGS
6506 KM ALTA AND UPLAND
6507 HC 3
*

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HEC-1 INPUT

PAGE175

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

6508 KKRCAL05-C
6509 KM ROUTE CAL05-C TO CBR3
6510 KM FACILITY = MEADOWS - ALTA
6511 KM FACILITY # = MEAL 0100, 0120
6512 KM LINING = RCP
6513 RD 2000 0.01 0.013 0 CIRC 5
*

6514 KK BR3
6515 BA 0.074
6516 PB 2.77
6517 LS 0 91.4
6518 UD 0.157
*

6519 KK CBR3
6520 KM COMBINE BR3 AND RCAL05-C

6521 KM ALTA AND WILDSHIRE
6522 HC 2
*
6523 KK RCBR3
6524 KM ROUTE CBR3 TO CAL11-C
6525 KM FACILITY = MEADOWS - ALTA
6526 KM FACILITY # = MEAL 0060, 0100
6527 KM LINING = RCP
6528 RD 1400 0.01 0.013 0 CIRC 5
*
6529 KK AL09-C
6530 BA 0.162
6531 PB 2.77
6532 LS 0 90.6
6533 UD 0.252
*
6534 KK RAL09-C
6535 KM ROUTE AL09-C TO CAL11-C
6536 KM EVERGREEN / DECATUR
6537 RD 2400 0.0083 0.016 0 TRAP 0 50
*
6538 KK DGSR
6539 KM RETRIEVE DIVERTED OVERLAND FLOW FROM GS
6540 DR DGSR
*
6541 KK RDGSR
6542 KM ROUTE DGSR TO CAL11-C
6543 KM EVERGREEN / DECATUR
6544 RD 4600 0.0152 0.016 0 TRAP 0 50
*

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HEC-1 INPUT

PAGE176

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

6545 KK AL11-C
6546 BA 0.130
6547 PB 2.77
6548 LS 0 94.4
6549 UD 0.316
*
6550 KK CAL11-C
6551 KM COMBINE RCBR3, RAL09-C, RDGSR AND AL11-C
6552 KM ALTA AND DECATUR
6553 HC 4
*
6554 KKRCAL11-C
6555 KM ROUTE CAL11-C TO CAL10-C
6556 KM FACILITY = MEADOWS - ALTA
6557 KM FACILITY # = MEAL 0015
6558 KM LINING = RCP
6559 RD 2500 0.0194 0.013 0 CIRC 6
*
6560 KK AL10-C
6561 BA 0.048
6562 PB 2.77
6563 LS 0 91.5
6564 UD 0.245
*
6565 KK CAL10-C
6566 KM COMBINE RCAL11-C AND AL10-C
6567 KM ALTA AND BEDFORD
6568 HC 2
*
6569 KKRCAL10-C
6570 KM ROUTE CAL10-C TO CAL13-3
6571 KM FACILITY = MEADOWS - ALTA
6572 KM FACILITY # = MEAL 0000,0012,0013
6573 KM LINING = CONCRETE
6574 RD 1180 0.0158 0.015 0 TRAP 8 1
*
6575 KK AL13-3
6576 BA 0.059
6577 PB 2.77
6578 LS 0 90.5
6579 UD 0.171
*

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HEC-1 INPUT

PAGE177

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

6580 KK CAL13-3
6581 KM COMBINE RCAL10-C AND AL13-3

```

6582      KM  ALTA AND VALLEY VIEW
6583      HC      2
        *

6584      KK  AL14
6585      BA  0.457
6586      PB  2.77
6587      LS      0    93.3
6588      UD  0.525
        *

6589      KK  RAL14
6590      KM  ROUTE AL14 TO CAL16
6591      KM  VALLEY VIEW
6592      RD  1300  0.0115  0.016    0    TRAP    0    50
        *

6593      KK  AL16
6594      BA  0.148
6595      PB  2.77
6596      LS      0    92.2
6597      UD  0.326
        *

6598      KK  1CAL16
6599      KM  COMBINE CAL13-3, RAL14, AND AL16
6600      KM  ALTA AND VALLEY VIEW
6601      HC      3
        *

6602      KK  AL09
6603      BA  0.097
6604      PB  2.77
6605      LS      0    90.4
6606      UD  0.282
        *

6607      KK  RAL09
6608      KM  ROUTE AL09 TO CCH14A
6609      KM  FULTON
6610      RD  1500  0.0133  0.016    0    TRAP    0    50
        *

6611      KK  CH14A
6612      BA  0.148
6613      PB  2.77
6614      LS      0    89.4
6615      UD  0.340
        *

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HEC-1 INPUT

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

6616      KK  CCH14A
6617      KM  COMBINE RAL09 AND CH14A
6618      KM  VALLEY VIEW AND FULTON
6619      HC      2
        *

6620      KK  RCCH14A
6621      KM  ROUTE CCH14A TO CAL16
6622      KM  FACILITY = MEADOWS - OAKLEY PARALLEL SYSTEM
6623      KM  FACILITY # = MEPA 0000
6624      KM  LINING = RCB
6625      RD  1370  0.005  0.015    0    TRAP    10    0
        *

6626      KK  CAL16
6627      KM  COMBINE 1CAL16 AND RCCH14A
6628      KM  ALTA AND VALLEY VIEW
6629      HC      2
        *

6630      KK  RCAL16
6631      KM  ROUTE CAL16 TO CCAL16 (CONFLUENCE)
6632      KM  FACILITY = LAS VEGAS CREEK - MEADOWS
6633      KM  FACILITY # = LCME 0070,0076,0077
6634      KM  LINING = CONCRETE
6635      RD  973  0.0189  0.015    0    TRAP    18    1
        *

6636      KK  CCAL16
6637      KM  COMBINE RCAL16 AND RCOK13
6638      KM  LAS VEGAS CREEK AND OAKLEY MEADOWS STORM DRAIN CONFLUENCE
6639      HC      2
        *

6640      KK  RCCAL16
6641      KM  ROUTE CCAL16 TO CAL90-C
6642      KM  FACILITY = LAS VEGAS CREEK - MEADOWS
6643      KM  FACILITY # = LCME 0040
6644      KM  LINING = CONCRETE
6645      RD  525  0.004  0.015    0    TRAP    40    0
        *

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6646 KK AL90-C
6647 BA 0.171
6648 PB 2.77
6649 LS 0 91.9
6650 UD 0.328
*

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HEC-1 INPUT

PAGE179

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

6651 KK CAL90-C
6652 KM COMBINE RCCAL16 AND AL90-C
6653 HC 2
*

6654 KKRCAL90-C
6655 KM ROUTE CAL90-C TO MEADOWIN
6656 KM FACILITY = LAS VEGAS CREEK - MEADOWS
6657 KM FACILITY # = LCME 0026, 0028
6658 KM LINING = CONCRETE
6659 RD 1030 0.004 0.015 0 TRAP 42 0
*

6660 KK MEDB
6661 BA 0.230
6662 PB 2.77
6663 LS 0 86.9
6664 UD 0.193
*

6665 KKMEADOWIN
6666 KM COMBINE RCAL90-C AND MEDB
6667 KM COMBINATION AT MEADOWS DETENTION BASIN
* K01
6668 HC 2
*

6669 KKMEADOWDB
6670 KM MEADOWS DETENTION BASIN
6671 KM FACILITY = LAS VEGAS CREEK - MEADOWS
6672 KM FACILITY # = LCME 0021
6673 KM ORIGINAL RATING CURVE FROM MEADOWS DETENTION EXPANSION BY VTN (6/01)
6674 KM UPDATED CURVE REFERENCED FROM OAKY MEADOWS FINAL DESIGN REPORT (PBS&J, APR 20
6675 KM CURVE BASED ON PROPOSED EXPANSION OF MEADOWDB BY RAISING SPILLWAY 1 FT
6676 KM PROPOSED STORAGE VOLUME = 235 AC-FT (EXISTING STORAGE VOLUME = 213 AC-FT)
6677 KM OUTLET = 1-11.5'X 5' RCB AND 1-11'X 5' RCB
6678 KM 100-YEAR DISCHARGE =
6679 KM SPILLWAY LENGTH = 150 FT
6680 KM SPILLWAY HEIGHT =
6681 KM PROPOSED SPILLWAY CREST ELEVATION = 2112.3 FT (EXISTING SPILLWAY = 2111.3 FT)
6682 KM SPILLWAY TYPE = OGEE
6683 KM PMF DISCHARGE =
6684 KM TOP OF EMBANKMENT ELEVATION = 2115.5 FT
* K01
6685 RS 1 STOR 0
6686 SV 0 17.17 28.30 40.63 58.03 74.93 92.48 111.02 130.52 152.02
6687 SV 174.64 196.67 211.98 213.27 235.09 309.3
6688 SE 2097.9 2101 2101.79 2102.56 2103.57 2104.51 2105.46 2106.43 2107.4 2108.43
6689 SE 2109.5 2110.53 2111.24 2111.3 2112.3 2115.5
6690 SQ 0 202.1 400 500 600 700 800 900 1000 1100
6691 SQ 1200 1300 1365 1380 1428 5248
*

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HEC-1 INPUT

PAGE180

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

6692 KKMEADOWOT
6693 KM ROUTE MEADOWDB TO CRMEDET
6694 KM FACILITY = LAS VEGAS CREEK - MEADOWS
6695 KM FACILITY # = LCME 0000,0016,0018
6696 KM LINING = RCB
6697 RD 1145 0.0072 0.015 0 TRAP 14 0
*

6698 KK DAL00A
6699 KM RETRIEVE FLOW SPLIT FROM LORENZI/ALTA
6700 DR DAL00A
*

6701 KK RDAL00A
6702 KM ROUTE DAL00A TO RAINBWIN
6703 KM FACILITY = LAS VEGAS CREEK - LORENZI
6704 KM FACILITY # = LCLO 0000, 0008
6705 KM LINING = RCB
6706 RD 2860 0.004 0.015 0 TRAP 7 0
*

6707 KK AL00A
6708 BA 0.474
6709 PB 2.77
6710 LS 0 90.8
6711 UD 0.355

*
 6712 KK AL00A-C
 6713 BA 0.230
 6714 PB 2.77
 6715 LS 0 93.0
 6716 UD 0.305
 *
 6717 KKRAINBWIN
 6718 KM COMBINE RDAL00A, AL00A AND AL00A-C
 6719 KM COMBINATION AT RAINBOW DETENTION BASIN
 6720 HC 3
 *

6721 KKRAINBWDB
 6722 KM RAINBOW DETENTION BASIN (EAST AND WEST MODELED TOGETHER)
 6723 KM FACILITY = LAS VEGAS CREEK CHANNEL
 6724 KM FACILITY # = LCCH 0513
 6725 KM REFERENCED FROM THE 90% DESIGN REPORT FOR
 6726 KM MEADOWS ALTA PARALLEL PROJECT PHASE II by VTN (2/08)
 6727 KM STORAGE VOLUME = 102 AC-FT AFTER PROPOSED EXPANSION
 6728 KM OUTLET = 42" RCP w/ 24" ORIFICE PLATE
 6729 KM 100-YEAR DISCHARGE =
 6730 KM SPILLWAY LENGTH = 137.8 FT
 6731 KM SPILLWAY HEIGHT =
 6732 KM SPILLWAY CREST ELEVATION = 2391.5 FT
 6733 KM SPILLWAY TYPE = BROAD-CRESTED WEIR

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HEC-1 INPUT

PAGE181

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
 6734 KM PMF DISCHARGE =
 6735 KM TOP OF EMBANKMENT ELEVATION = 2396.5 FT
 * K01

6736	RS	1	STOR	0										
6737	SV	0.00	2.6	5.31	8.17	11.17	14.31	17.6	21.04	24.63	28.81			
6738	SV	34.45	40.59	47.21	54.34	61.98	70.24	79.24	88.75	99.04	101.79			
6739	SE	2353.9	2357	2359	2361	2363	2365	2367	2369	2371	2373			
6740	SE	2375	2377	2379	2381	2383	2385	2387	2389	2390	2391.5			
6741	SQ	0.00	23.75	33.18	40.47	46.64	52.08	57	61.53	65.75	69.72			
6742	SQ	73.47	77.04	80.45	83.72	86.87	89.90	92.84	95.69	98.46	3000			

 *

6743 KKRAINBWOT
 6744 KM ROUTE RAINBWDB TO CLC01-C
 6745 KM FACILITY = LAS VEGAS CREEK CHANNEL
 6746 KM FACILITY # = LCCH 0499
 6747 KM LINING = RCP
 6748 RD 665 0.0188 0.013 0 CIRC 3.5
 *

6749 KK LC01-C
 6750 BA 0.089
 6751 PB 2.77
 6752 LS 0 91.8
 6753 UD 0.301
 *

6754 KK CLC01-C
 6755 KM COMBINE RAINBWOT AND LC01-C
 6756 KM US 95, EAST OF RAINBOW BLVD
 6757 HC 2
 *

6758 KK RCLC01-C
 6759 KM ROUTE CLC01-C TO CWA02-C
 6760 KM FACILITY = LAS VEGAS CREEK CHANNEL
 6761 KM FACILITY # = LCCH 0402,0412,0438,0458,0478
 6762 KM LINING = RCP
 6763 RD 5165 0.0108 0.013 0 CIRC 5
 *

6764 KK WA02-C
 6765 BA 0.269
 6766 PB 2.77
 6767 LS 0 91.5
 6768 UD 0.334
 *

6769 KK CWA02-C
 6770 KM COMBINE RCLC01-C AND WA02-C
 6771 KM JONES AND US 95
 6772 HC 2
 *

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HEC-1 INPUT

PAGE182

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
 6773 KK AL01B-C
 6774 BA 0.367
 6775 PB 2.77
 6776 LS 0 90.5
 6777 UD 0.401

```

*
6778      KKCCWA02-C
6779      KM COMBINE CWA02-C AND AL01B-C
6780      KM JONES AND US 95
6781      HC          2
*
6782      KKRCWA02C
6783      KM ROUTE CCWA02-C TO CLC11-C
6784      KM FACILITY = LAS VEGAS CREEK CHANNEL
6785      KM FACILITY # = LCCH 0302, 0377, 0400
6786      KM LINING = RCB
6787      RD    6870  0.0249  0.015      0      TRAP      8      0
*
6788      KK LC11-C
6789      BA    0.384
6790      PB    2.77
6791      LS     0      91.3
6792      UD    0.361
*
6793      KK CLC11-C
6794      KM COMBINE RCCWA02C AND LC11-C
6795      KM DECATUR AND US 95
6796      HC          2
*
6797      KKRCCL11-C
6798      KM ROUTE CLC11-C TO CLC14-C
6799      KM FACILITY = LAS VEGAS CREEK CHANNEL
6800      KM FACILITY # = LCCH 0230, 0270
6801      KM LINING = RCB
6802      RD    2140  0.0174  0.015      0      TRAP     12      0
*
6803      KK LC14-C
6804      BA    0.320
6805      PB    2.77
6806      LS     0      90.6
6807      UD    0.423
*
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HEC-1 INPUT
PAGE183
LINE      ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
6808      KK CLC14-C
6809      KM COMBINE RCLC11-C AND LC14-C
6810      KM VALLEY VIEW AND US 95
6811      HC          2
*
6812      KK WA10SE
6813      KM RETRIEVE WA10SE
6814      DR WA10SE
*
6815      KK RWA10D
6816      KM ROUTE WA10D TO CCLC14-C
6817      KM FACILITY = LAS VEGAS CREEK LATERAL
6818      KM FACILITY # = LCLT 0000,0006
6819      KM LINING = CONCRETE
6820      RD    1855  0.005   0.015      0      TRAP     10      0
*
6821      KKCLC14-C
6822      KM COMBINE CLC14-C AND RWA10D
6823      KM VALLEY VIEW AND US 95
6824      HC          2
*
6825      KK RCCLC14
6826      KM ROUTE CCLC14-C TO CRMEDET
6827      KM FACILITY = LAS VEGAS CREEK CHANNEL
6828      KM FACILITY # = LCCH 0157,0188
6829      KM LINING = RCB
6830      RD    3875  0.0106  0.015      0      TRAP     24      0
*
6831      KK CRMEDET
6832      KM COMBINE MEADOWOT AND RCCLC14
6833      KM COMBINATION OF MEADOWS OUTFALL AND LAS VEGAS CREEK
6834      HC          2
*
6835      KKRCRMEDET
6836      KM ROUTE CRMEDET TO CCLC16-C
6837      KM FACILITY = LAS VEGAS CREEK CHANNEL
6838      KM FACILITY # = LCCH 0114,0127,0129,0150,0154
6839      KM LINING = RCB
6840      RD    2305  0.005   0.015      0      TRAP     28      0
*

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6841 KK LC16-C
6842 BA 0.312
6843 PB 2.774
6844 LS 0 88.0
6845 UD 0.342
*

HEC-1 INPUT

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

6846 KK WA13SE
6847 KM RETRIEVE WA10SE
6848 DR WA13SE
*

6849 KK RWA13D
6850 KM ROUTE WA13D TO CLC16-C
6851 KM FACILITY = FREEWAY CHANNEL
6852 KM FACILITY # = LCRA 0000,0004,0050
6853 KM LINING = RCB
6854 RD 3100 0.0077 0.015 0 TRAP 12 0
*

6855 KK CLC16-C
6856 KM COMBINE LC16-C AND RWA13D
6857 KM RANCHO AND US 95
6858 HC 2
*

6859 KKCLC16-C
6860 KM COMBINE RCRMEDET AND CLC16-C
6861 KM RANCHO AND US 95
6862 HC 2
*

6863 KK RCCLC16
6864 KM ROUTE CCLC16-C TO CLC20-C
6865 KM FACILITY = LAS VEGAS CREEK CHANNEL
6866 KM FACILITY # = LCCH 0013, 0051, 0110
6867 KM LINING = RCB
6868 RD 3700 0.006 0.015 0 TRAP 28 0
*

6869 KK LC20-C
6870 BA 0.174
6871 PB 2.77
6872 LS 0 91.4
6873 UD 0.483
*

6874 KK CLC20-C
6875 KM COMBINE RCCLC16 AND LC20-C
6876 KM MARTIN LUTHER KING AND US 95
6877 HC 2
*

6878 KKRCCLC20-C
6879 KM ROUTE CLC20-C TO CCAL93
6880 KM FACILITY = LAS VEGAS CREEK CHANNEL
6881 KM FACILITY # = LCCH 0000,0013
6882 KM LINING = RCB
6883 RD 2765 0.0082 0.015 0 TRAP 24 0
*

HEC-1 INPUT

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

6884 KK CCAL93
6885 KM COMBINE CAL93 AND RCLC20-C
6886 KM LAS VEGAS CREEK AND FREEWAY CHANNEL (LCCH 0000 & FW15 0000)
6887 HC 2
*

6888 KK RCCAL93
6889 KM ROUTE CCAL93 TO CLC21
6890 KM FACILITY = WASHINGTON AVENUE CHANNEL
6891 KM FACILITY # = LVWH 0429,0431,0447,0484
6892 KM LINING = RCB
6893 RD 2410 0.0015 0.015 0 TRAP 43 0
*

6894 KK LC21
6895 BA 0.599
6896 PB 2.77
6897 LS 0 94.8
6898 UD 0.550
*

6899 KK CLC21
6900 KM COMBINE RCCAL93 AND LC21
6901 KM INDUSTRIAL AND US 95
6902 HC 2
*

6903 KK DCLC21
 6904 KM FLOW SPLIT TO FACILITY LVOE 0345
 6905 KM DIVERT Q EXCEEDING WASHINGTON AVENUE CHANNEL CAPACITY
 6906 KM DIVERSION AFTER 2870 CFS TO ASSURE THAT ENTIRE FACILITY HAS CAPACITY
 6907 DT DLVOE
 6908 DI 0 2870 10000
 6909 DQ 0 2870 2870
 *

6910 KK RDLVOE
 6911 KM ROUTE DLVOE TO CH-C1
 6912 KM FACILITY = OWENS AVENUE CHANNEL
 6913 KM FACILITY # = LVOE 0236,0331,0345
 6914 KM LINING = RCB
 6915 RD 7435 0.0133 0.015 0 TRAP 13 0
 *

6916 KK H-C1
 6917 BA 0.287
 6918 PB 2.77
 6919 LS 0 91.8
 6920 UD 0.270
 *

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HEC-1 INPUT

PAGE186

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

6921 KK CH-C1
 6922 KM COMBINE H-C AND RDLVOE
 6923 KM OWENS AND LAS VEGAS BLVD
 6924 HC 2
 *

6925 KK RCH-C1
 6926 KM ROUTE CH-C1 TO CE-C
 6927 KM FACILITY = OWENS AVENUE CHANNEL
 6928 KM FACILITY # = LVOE 0134
 6929 KM LINING = RCB
 6930 RD 5380 0.01 0.015 0 TRAP 12 0
 *

6931 KK E-C
 6932 BA 0.614
 6933 PB 2.77
 6934 LS 0 87.2
 6935 UD 0.395
 *

6936 KK CE-C
 6937 KM COMBINE RCH-C AND E-C
 6938 KM OWENS AND EASTERN
 6939 HC 2
 *

6940 KK RCE-C
 6941 KM ROUTE CE-C TO CG
 6942 KM FACILITY = OWENS AVENUE CHANNEL
 6943 KM FACILITY # = LVOE 0085
 6944 KM LINING = RCB
 6945 RD 2540 0.0062 0.015 0 TRAP 13 0
 *

6946 KK G
 6947 BA 0.233
 6948 PB 2.77
 6949 LS 0 84.2
 6950 UD 0.422
 *

6951 KK CG
 6952 KM COMBINE RCE-C AND G
 6953 KM OWENS AND STATZ
 6954 HC 2
 *

6955 KK RCG
 6956 KM ROUTE CG TO CK-C1
 6957 KM FACILITY = OWENS AVENUE CHANNEL
 6958 KM FACILITY # = LVOE 0000
 6959 KM LINING = RCB
 6960 RD 4700 0.0047 0.015 0 TRAP 15 0
 *

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HEC-1 INPUT

PAGE187

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

6961 KK K-C1
 6962 BA 0.320
 6963 PB 2.77
 6964 LS 0 85.1
 6965 UD 0.500
 *

6966 KK CK-C1
 6967 KM COMBINE RCG AND K-C1
 6968 KM OWENS AT LVMD 1354
 6969 HC 2
 *
 6970 KK CCK-C1
 6971 KM COMBINE CK-C1 AND 2CLV1B-2
 6972 KM OWENS AT LVMD 1354
 6973 HC 2
 *
 6974 KK RCCK-C1
 6975 KM ROUTE CCK-C1 TO CLVW01
 6976 KM FACILITY = LAS VEGAS WASH MIDDLE
 6977 KM FACILITY # = LVMD 1321
 6978 KM LINING = CONCRETE
 6979 RD 1950 0.0038 0.015 0 TRAP 80 2
 *
 6980 KK DLVOE
 6981 KM RETRIEVE DLVOE
 6982 DR DLVOE
 *
 6983 KK RDCLC21
 6984 KM ROUTE DCLC21 TO CV1-C
 6985 KM FACILITY = WASHINGTON AVENUE CHANNEL
 6986 KM FACILITY # = LVWH 0305,0361,0371,0382,0387,0389,0426
 6987 KM LINING = RCB
 6988 RD 4785 0.009 0.015 0 TRAP 12 0
 *
 6989 KK V1-C
 6990 BA 0.282
 6991 PB 2.77
 6992 LS 0 92.0
 6993 UD 0.339
 *
 6994 KK CH59-C
 6995 BA 0.340
 6996 PB 2.77
 6997 LS 0 94.0
 6998 UD 0.489
 *

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HEC-1 INPUT

PAGE188

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10
 6999 KK DCH59-C
 7000 KM FLOW SPLIT TO CH60A-C
 7001 KM SPLIT TO FLAMINGO WASH SYSTEM
 7002 KM DEVELOPED FROM CWH MODEL
 7003 KM CAPACITY = 144 CFS + 78 CFS (100 YR FLOW FROM CWH FOR CH58)
 7004 DT DFLAM
 7005 DI 0 222 1000
 7006 DQ 0 0 778
 *
 7007 KKDDCH59-C
 7008 KM FLOW SPLIT TO BN03-C
 7009 KM DIVERT Q EXCEEDING LAS VEGAS BLVD DRAIN CAPACITY: 48" PIPE, 167 CFS
 7010 KM DBN00 IN CWH
 7011 DT DBN03
 7012 DI 0 167 1000
 7013 DQ 0 0 833
 *
 7014 KK RDDCH59
 7015 KM ROUTE DDCH59-C TO CV1-C
 7016 KM 48" RCP UNDER LAS VEGAS BLVD
 7017 KM LINING = RCP
 7018 RD 3000 0.0217 0.013 0 CIRC 4
 *
 7019 KK CV1-C
 7020 KM COMBINE RCLC21, V1-C, AND RDDCH59
 7021 KM WASHINGTON AND LAS VEGAS BLVD
 7022 HC 3
 *
 7023 KK RCV1-C
 7024 KM ROUTE CV1-C TO CX-C1
 7025 KM FACILITY = WASHINGTON AVENUE CHANNEL
 7026 KM FACILITY # = LVWH 0240, 0305
 7027 KM LINING = RCB
 7028 RD 2750 0.015 0.015 0 TRAP 24 0
 *
 7029 KK X-C1
 7030 BA 0.278
 7031 PB 2.77

7032 LS 0 90.6
 7033 UD 0.272
 *

7034 KK CX-C1
 7035 KM COMBINE RCV1-C AND X-C1
 7036 KM WASHINGTON AND BRUCE
 7037 HC 2
 *

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HEC-1 INPUT

PAGE189

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

7038 KK RCX-C1
 7039 KM ROUTE CX-C1 TO CN-C
 7040 KM FACILITY = WASHINGTON AVENUE CHANNEL
 7041 KM FACILITY # = LVWH 0240
 7042 KM LINING = RCB
 7043 RD 2540 0.015 0.015 0 TRAP 24 0
 *

7044 KK M
 7045 BA 0.267
 7046 PB 2.77
 7047 LS 0 90.2
 7048 UD 0.426
 *

7049 KK RM
 7050 KM ROUTE M TO CN-C
 7051 KM SEARLES TO EASTERN
 7052 RD 3900 0.0064 0.016 0 TRAP 0 50
 *

7053 KK N-C
 7054 BA 0.264
 7055 PB 2.77
 7056 LS 0 88.5
 7057 UD 0.408
 *

7058 KK CN-C
 7059 KM COMBINE RCX-C1, RM, AND N-C
 7060 KM WASHINGTON AND EASTERN
 7061 HC 3
 *

7062 KK RCN-C
 7063 KM ROUTE CN-C TO CP-C
 7064 KM FACILITY = WASHINGTON AVENUE CHANNEL
 7065 KM FACILITY # = LVWH 0155,0234
 7066 KM LINING = RCB
 7067 RD 2600 0.0068 0.015 0 TRAP 30 0
 *

7068 KK P-C
 7069 BA 0.309
 7070 PB 2.77
 7071 LS 0 87.4
 7072 UD 0.397
 *

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HEC-1 INPUT

PAGE190

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

7073 KK CP-C
 7074 KM COMBINE RCN-C AND P-C
 7075 KM WASHINGTON AND MOJAVE
 7076 HC 2
 *

7077 KK RCP-C
 7078 KM ROUTE CP-C TO CQ-C
 7079 KM FACILITY = WASHINGTON AVENUE CHANNEL
 7080 KM FACILITY # = LVWH 0136,0155
 7081 KM LINING = RCB
 7082 RD 2600 0.0068 0.015 0 TRAP 30 0
 *

7083 KK Q-C
 7084 BA 0.258
 7085 PB 2.77
 7086 LS 0 85.6
 7087 UD 0.408
 *

7088 KK CQ-C
 7089 KM COMBINE RCP-C AND Q-C
 7090 KM WASHINGTON AND PECOS
 7091 HC 2
 *

7092 KK RCQ-C

7093 KM ROUTE CQ-C TO CLVW01-C
 7094 KM FACILITY = WASHINGTON AVENUE CHANNEL
 7095 KM FACILITY # = LVWH 0086,0087,0136
 7096 KM LINING = RCB
 7097 RD 3800 0.0033 0.015 0 TRAP 36 0
 *

7098 KK LVW01-C
 7099 BA 0.236
 7100 PB 2.77
 7101 LS 0 85.0
 7102 UD 0.456
 *

7103 KKCLVW01-C
 7104 KM COMBINE RCQ-C AND LVW01-C
 7105 KM COMBINATION OF FLOWS AT LAS VEGAS WASH
 7106 HC 2
 *

7107 KKCLVW01C
 7108 KM COMBINE CLVW01-C AND RCCK-C
 7109 KM COMBINATION OF LAS VEGAS WASH FLOWS
 7110 HC 2
 *

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HEC-1 INPUT

PAGE191

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

7111 KKRCCLVW01
 7112 KM ROUTE CCLVW01C TO CCLVW03
 7113 KM FACILITY = LAS VEGAS WASH MIDDLE
 7114 KM FACILITY # = LVMD 1271,1273
 7115 KM LINING = CONCRETE
 7116 RD 2520 0.0038 0.015 0 TRAP 80 2
 *

7117 KK LW075-1
 7118 BA 0.207
 7119 PB 2.77
 7120 LS 0 91.5
 7121 UD 0.278
 *

7122 KKRLW075-1
 7123 KM ROUTE LW075-1 TO CLW075-2
 7124 KM WALNUT
 7125 RD 2600 0.008 0.016 0 TRAP 0 50
 *

7126 KK LW075-2
 7127 BA 0.385
 7128 PB 2.77
 7129 LS 0 87.1
 7130 UD 0.300
 *

7131 KKCLW075-2
 7132 KM COMBINE LW075-2 AND RLW075-1
 7133 KM WALNUT AND GOWAN
 7134 HC 2
 *

7135 KK RC075-1
 7136 KM ROUTE CLW075-2 TO CLW075-3
 7137 KM WALNUT TO LAS VEGAS BOULEVARD
 7138 RD 3500 0.004 0.016 0 TRAP 0 50
 *

7139 KK LW075-3
 7140 BA 0.338
 7141 PB 2.77
 7142 LS 0 90.4
 7143 UD 0.350
 *

7144 KKCLW075-3
 7145 KM COMBINE LW075-3 AND RC075-1
 7146 KM LAS VEGAS BOULEVARD AND SANDY
 7147 HC 2
 *

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HEC-1 INPUT

PAGE192

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

7148 KK RC075-3
 7149 KM ROUTE CLW075-3 TO CLW64-1
 7150 KM FACILITY = LAS VEGAS WASH - LAMB
 7151 KM FACILITY ID-MILE = LVLA 0191
 7152 KM LINING = RCB
 7153 RD 6600 0.0056 0.015 0 TRAP 12 0
 *

7154 KK LW64-1
 7155 BA 0.684
 7156 PB 2.77
 7157 LS 0 91.7
 7158 UD 0.442
 *

7159 KK CLW64-1
 7160 KM COMBINE LW64-1 AND RC075-3
 7161 KM ALTO AND LAMB
 7162 HC 2
 *

7163 KK RCLW64-1
 7164 KM ROUTE CLW64-1 TO CLW64-2
 7165 KM FACILITY = LAS VEGAS WASH - LAMB
 7166 KM FACILITY ID-MILE = LVLA 0141
 7167 KM LINING = RCB
 7168 RD 2650 0.0038 0.015 0 TRAP 13 0
 *

7169 KK LW64-2
 7170 BA 0.506
 7171 PB 2.77
 7172 LS 0 84.6
 7173 UD 0.544
 *

7174 KK CLW64-2
 7175 KM COMBINE LW64-2 AND RCLW64-1
 7176 KM CAREY AND LAMB
 7177 HC 2
 *

7178 KK RCLW64-2
 7179 KM ROUTE CLW64-2 TO CLW64-3
 7180 KM FACILITY = LAS VEGAS WASH - LAMB
 7181 KM FACILITY ID-MILE = LVLA 0090
 7182 KM LINING = RCB
 7183 RD 2700 0.0044 0.015 0 TRAP 13 0
 *

1 HEC-1 INPUT PAGE193

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

7184 KK LW64-3
 7185 BA 0.533
 7186 PB 2.77
 7187 LS 0 82.6
 7188 UD 0.533
 *

7189 KK CLW64-3
 7190 KM COMBINE LW64-3 AND RCLW64-2
 7191 KM LAKE MEAD BOULEVARD AND LAMB
 7192 HC 2
 *

7193 KK RCLW64-3
 7194 KM ROUTE CLW64-3 TO COA02
 7195 KM FACILITY = LAS VEGAS WASH - LAMB
 7196 KM FACILITY ID-MILE = LVLA 0041
 7197 KM LINING = RCB
 7198 RD 2600 0.0058 0.015 0 TRAP 13 0
 *

7199 KK OA02
 7200 BA 0.415
 7201 PB 2.77
 7202 LS 0 86.3
 7203 UD 0.556
 *

7204 KK COA02
 7205 KM COMBINE OA02 AND RCLW64-3
 7206 KM LAKE MEAD BOULEVARD AND LAMB
 7207 HC 2
 *

7208 KK RCOA02
 7209 KM ROUTE COA02 TO CLVW03
 7210 KM FACILITY = LAS VEGAS WASH - LAMB
 7211 KM FACILITY ID-MILE = LVLA 0000
 7212 KM LINING = RCB
 7213 RD 2200 0.003 0.015 0 TRAP 26 0
 *

7214 KK LRVW03
 7215 BA 0.230
 7216 PB 2.77
 7217 LS 0 86.4
 7218 UD 0.422
 *

1 HEC-1 INPUT PAGE194

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

7219      KK  CLVW03
7220      KM  COMBINE LVW03 AND RCOA02
7221      KM  LAS VEGAS WASH AND LAMB
7222      HC      2
          *

7223      KK  CCLVW03
7224      KM  COMBINE CLVW03 AND CCLVW01C
7225      KM  LAS VEGAS WASH AND LAMB
7226      HC      2
          *

7227      KKRCCLVW03
7228      KM  ROUTE CCLVW03 TO CLVW04-C
7229      KM  FACILITY = LAS VEGAS WASH MIDDLE
7230      KM  FACILITY # = LVMD 1209,1230,1233
7231      KM  LINING = CONCRETE
7232      RD  3425  0.0073  0.015      0  TRAP      90      0
          *

7233      KK  LVW04-C
7234      BA  0.266
7235      PB  2.77
7236      LS      0      86.0
7237      UD  0.500
          *

7238      KKCLVW04-C
7239      KM  COMBINE CCLVW03 AND LVW04-C
7240      KM  LAS VEGAS WASH AND MARION
7241      HC      2
          *

7242      KK  RCLVW04
7243      KM  ROUTE CLVW04-C TO CCBN15-C
7244      KM  FACILITY = LAS VEGAS WASH MIDDLE
7245      KM  FACILITY # = LVMD 1176,1179
7246      KM  LINING = CONCRETE
7247      RD  1620  0.0057  0.015      0  TRAP      60      2
          *
          * *****
7248      KM  BASINS 321A-1 THROUGH NEL01-C CONTRIBUTING TO FACILITY LVNE
7249      KM  LOCATED HERE IN CLVWASH05.DAT
7250      KM  MOVED FURTHER DOWNSTREAM SOUTH OF STEWART AVENUE
7251      KM  ASSUMED NEL02-C ENTERS LVWASH AT BONANZA
          * *****
          *

7252      KK  NEL02-C
7253      KM  ENTERS WASH AT BONANZA
7254      BA  0.276
7255      PB  2.77
7256      LS      0      84.8
7257      UD  0.384
          * *****

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                                     HEC-1 INPUT
                                     PAGE195

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

7258      KM  BASINS BN06-C THROUGH BN15-C CONTRIBUTING TO FACILITY LVBZ
7259      KM  LOCATED HERE IN CLVWASH05.DAT
7260      KM  MOVED TO FURTHER DOWNSTREAM TO CEDAR AVE CHANNEL, CACH
          * *****

7261      KKCCBN15-C
7262      KM  COMBINE RCLVW04 AND NEL02-C
7263      KM  LAS VEGAS WASH AND BONANZA
7264      HC      2
7265      KO      1
          *

7266      KKRRCLVW04
7267      KM  KKRCBN15-C
7268      KM  ROUTE CCBN15-C TO CCA10-C
7269      KM  FACILITY = LAS VEGAS WASH MIDDLE
7270      KM  FACILITY # = LVMD 1149
7271      KM  LINING = CONCRETE
7272      RD  1675  0.0041  0.015      0  TRAP      70      1.5
          *

7273      KK  CA03
7274      BA  0.345
7275      PB  2.77
7276      LS      0      88.1
7277      UD  0.298
          *

7278      KK  RCA03
7279      KM  ROUTE CA03 TO CCA04
7280      KM  STEWART
7281      RD  3000  0.0107  0.016      0  TRAP      0      50

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*
7282      KK  CA04-C
7283      BA  0.370
7284      PB  2.77
7285      LS  0      89.6
7286      UD  0.394
*

7287      KK  CCA04
7288      KM  COMBINE RCA03 AND CA04-C
7289      KM  STEWART AND MOJAVE
7290      HC  2
*

7291      KK  RCCA04
7292      KM  ROUTE CCA04 TO CCA05
7293      KM  FACILITY = CEDAR AVENUE CHANNEL - STEWART
7294      KM  FACILITY # = CNST 0000
7295      KM  LINING = RCB
7296      RD  2120  0.009  0.015      0      TRAP      8      0
*

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HEC-1 INPUT

PAGE196

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

```

7297      KK  CA05
7298      BA  0.241
7299      PB  2.77
7300      LS  0      91.9
7301      UD  0.378
*

7302      KK  CCA05
7303      KM  COMBINE RCCA04 AND CA05
7304      KM  STEWART AND PECOS
7305      HC  2
*

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```

7306      KK  RCCA05
7307      KM  ROUTE CCA05 TO CCA06
7308      KM  FACILITY = CEDAR AVENUE CHARLESTON
7309      KM  FACILITY # = CACN 0001
7310      KM  LINING = RCB
7311      RD  1867  0.004  0.015      0      TRAP      10      0
*

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```

7312      KK  CA06-C
7313      BA  0.401
7314      PB  2.77
7315      LS  0      85.0
7316      UD  0.418
*

```

```

7317      KK  CCA06
7318      KM  COMBINE RCCA05 AND CA06-C
7319      KM  PECOS AND CEDAR AVENUE
7320      HC  2
*

```

```

7321      KK  RCCA06
7322      KM  ROUTE CCA06 TO CCA08
7323      KM  FACILITY = CEDAR AVENUE CHANNEL
7324      KM  FACILITY # = CACH 0081,0127,0129,0146,0148
7325      KM  LINING = CONCRETE
7326      RD  4634  0.0026  0.015      0      TRAP      10      0
*

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```

7327      KK  CA08-C
7328      BA  0.256
7329      PB  2.77
7330      LS  0      90.8
7331      UD  0.400
*

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HEC-1 INPUT

PAGE197

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

```

7332      KK  CCA08-C
7333      KM  COMBINE RCCA06 AND CA08-C
7334      KM  CEDAR AVENUE AND LAMB
7335      HC  2
*

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```

7336      KK  KRCCA08-C
7337      KM  ROUTE CCA08 TO CCA10-C
7338      KM  FACILITY = CEDAR AVENUE CHANNEL
7339      KM  FACILITY # = CACH 0000,0027,0029,0051,0053,0079
7340      KM  LINING = CONCRETE
7341      RD  4386  0.0037  0.015      0      TRAP      10      0
*

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7342      KK  CA10-C

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7343      BA    0.192
7344      PB    2.77
7345      LS     0    90.3
7346      UD    0.433
*
* *****
7347      KM    LVBZ BASINS MOVED HERE TO COMBINE WITH CACH
7348      KM    RTCBN15-C ADDED TO ROUTE THE BASINS COMBINED FLOW
7349      KM    SOUTH IN MARION TO CEDAR AVE CHANNEL
* *****

7350      KK    BN06-C
7351      BA    0.340
7352      PB    2.77
7353      LS     0    89.3
7354      UD    0.201
*

7355      KK    BN03-C
7356      BA    0.415
7357      PB    2.77
7358      LS     0    87.3
7359      UD    0.344
*

7360      KK    DBN03
7361      KM    RETREIVE DBN03
7362      DR    DBN03
*

7363      KK    RDBN03
7364      KM    ROUTE DBN03 TO CBN03
7365      KM    BONANZA
7366      RD    5900 0.0264 0.016      0    TRAP      0    50
*

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                                     HEC-1 INPUT
                                     PAGE198

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

7367      KK    CBN03
7368      KM    COMBINE BN06-C, BN03-C, AND RDBN03
7369      KM    BONANZA AND EASTERN
7370      HC     3
*

7371      KK    RCBN03
7372      KM    ROUTE CBN03 TO CBN08
7373      KM    FACILITY = LAS VEGAS WASH - BONANZA
7374      KM    FACILITY # = LVBZ 0211,0224
7375      KM    LINING = RCB
7376      RD    2980 0.0072 0.015      0    TRAP      8    0
*

7377      KK    BN08
7378      BA    0.210
7379      PB    2.77
7380      LS     0    91.8
7381      UD    0.378
*

7382      KK    CBN08
7383      KM    COMBINE RCBN03 AND BN08
7384      KM    BONANZA AND MOJAVE
7385      HC     2
*

7386      KK    RCBN08
7387      KM    ROUTE CBN08 TO CBN09
7388      KM    FACILITY = LAS VEGAS WASH - BONANZA
7389      KM    FACILITY # = LVBZ 0167, 0188
7390      KM    LINING = RCB
7391      RD    2330 0.007 0.015      0    TRAP      9    0
*

7392      KK    BN09
7393      BA    0.233
7394      PB    2.77
7395      LS     0    83.9
7396      UD    0.411
*

7397      KK    CBN09
7398      KM    COMBINE RCBN08 AND BN09
7399      KM    BONANZA AND PECOS
7400      HC     2
*

7401      KK    RCBN09
7402      KM    ROUTE CBN09 TO CBN10-C
7403      KM    FACILITY = LAS VEGAS WASH - BONANZA
7404      KM    FACILITY # = LVBZ 0114
7405      KM    LINING = RCB
7406      RD    2740 0.004 0.015      0    TRAP     24    0
*

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

7407 KK BN10-C
7408 BA 0.257
7409 PB 2.77
7410 LS 0 88.8
7411 UD 0.406
*

7412 KK CBN10-C
7413 KM COMBINE RDCBN09 AND BN10-C
7414 KM BONANZA AND SANDHILL
7415 HC 2
*

7416 KKRCBN10-C
7417 KM ROUTE CBN10-C TO CBN12-C
7418 KM FACILITY = LAS VEGAS WASH - BONANZA
7419 KM FACILITY # = LVBZ 0064
7420 KM LINING = RCB
7421 RD 2630 0.004 0.015 0 TRAP 24 0
*

7422 KK BN12-C
7423 BA 0.323
7424 PB 2.77
7425 LS 0 87.4
7426 UD 0.397
*

7427 KK CBN12-C
7428 KM COMBINE RCBN10-C AND BN12-C
7429 KM BONANZA AND LAMB
7430 HC 2
*

7431 KKRCBN12-C
7432 KM ROUTE CBN12-C TO CBN15-C
7433 KM FACILITY = LAS VEGAS WASH - BONANZA
7434 KM FACILITY # = LVBZ 0000
7435 KM LINING = RCB
7436 RD 3400 0.004 0.015 0 TRAP 24 0
*

7437 KK BN15-C
7438 BA 0.283
7439 PB 2.77
7440 LS 0 87.0
7441 UD 0.414
*

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

7442 KK CBN15-C
7443 KM COMBINE RCBN12-C AND BN15-C
7444 KM LAS VEGAS WASH AND BONANZA
7445 HC 2
*

7446 KKRTCBN15-C
7447 KM ROUTE CBN15-C SOUTH IN MARION
7448 KM TO CEDAR AVENUE CHANNEL
7449 KM FACILITY = LAS VEGAS WASH - BONANZA
7450 KM FACILITY # = LVBZ 0000
7451 KM LINING = RCB
7452 RD 1125 0.004 0.015 0 TRAP 24 0
*

7453 KK CCA10-C
7454 KM COMBINE RCCA08-C, CA10-C AND RTCBN15-C
7455 KM CEDAR AVE CHANNEL AND LAS VEGAS WASH
7456 HC 3
*

7457 KKCCCA10-C
7458 KM COMBINE RCBN15-C AND CCA10-C
7459 KM CEDAR AVE CHANNEL AND LAS VEGAS WASH
7460 HC 2
7461 KO 1
*

7462 KKRCOCA10C
7463 KM ROUTE CCA10-C TO CCST03-C
7464 KM FACILITY = LAS VEGAS WASH MIDDLE
7465 KM FACILITY # = LVMD 1119,1121
7466 KM LINING = CONCRETE
7467 RD 1520 0.002 0.015 0 TRAP 90 1
*

7468 KK ST01-C

7469 BA 0.246
 7470 PB 2.77
 7471 LS 0 90.2
 7472 UD 0.478
 *

7473 KK RST01-C
 7474 KM ROUTE ST01-C TO CST03-C
 7475 KM STEWART
 7476 RD 4700 0.0032 0.016 0 TRAP 0 50
 *

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HEC-1 INPUT

PAGE201

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

7477 KK ST03-C
 7478 BA 0.221
 7479 PB 2.77
 7480 LS 0 89.4
 7481 UD 0.511
 *

7482 KK CST03-C
 7483 KM COMBINE RST01-C AND ST03-C
 7484 KM STEWART AND LAS VEGAS WASH
 7485 HC 2
 *

7486 KKCCST03-C
 7487 KM COMBINE RCCCA10C AND CST03-C
 7488 KM STEWART AND LAS VEGAS WASH
 7489 HC 2
 7490 KO 1
 *

7491 KK 321A-1
 7492 BA 0.582
 7493 PB 2.77
 7494 LS 0 89.7
 7495 UD 0.589
 *

7496 KK R321A-1
 7497 KM ROUTE 321A-1 TO C321A-2
 7498 KM MARION
 7499 RD 2600 0.006 0.016 0 TRAP 0 50
 *

7500 KK 321A-2
 7501 BA 0.554
 7502 PB 2.77
 7503 LS 0 92.9
 7504 UD 0.550
 *

7505 KK C321A-2
 7506 KM COMBINE 321A-2 AND R321A-1
 7507 KM ALTO AND NELLIS
 7508 HC 2
 *

7509 KKRC321A-2
 7510 KM ROUTE C321A-2 TO C321A-3
 7511 KM FACILITY = LAS VEGAS WASH - NELLIS
 7512 KM FACILITY ID-MILE = LVNE 0242
 7513 KM LINING = RCB
 7514 RD 2700 0.0056 0.015 0 TRAP 12 0
 *

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HEC-1 INPUT

PAGE202

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

7515 KK 321A-3
 7516 BA 0.583
 7517 PB 2.77
 7518 LS 0 94.1
 7519 UD 0.528
 *

7520 KK C321A-3
 7521 KM COMBINE 321A-3 AND RC321A-2
 7522 KM CAREY AND NELLIS
 7523 HC 2
 *

7524 KKRC321A-3
 7525 KM ROUTE C321A-3 TO CLV53-2
 7526 KM FACILITY = LAS VEGAS WASH - NELLIS
 7527 KM FACILITY ID-MILE = LVNE 0191
 7528 KM LINING = RCB
 7529 RD 2700 0.004 0.015 0 TRAP 12 0
 *

7530 KK LV53-2
 7531 BA 0.555
 7532 PB 2.77
 7533 LS 0 91.7
 7534 UD 0.528
 *

 7535 KK CLV53-2
 7536 KM COMBINE LW53-2 AND RC321A-3
 7537 KM LAKE MEAD BOULEVARD AND NELLIS
 7538 HC 2
 *

 7539 KKRCW53-2
 7540 KM ROUTE CLW53-2 TO CNEL01-C
 7541 KM FACILITY = LAS VEGAS WASH - NELLIS
 7542 KM FACILITY ID-MILE = LVNE 0140
 7543 KM LINING = RCB
 7544 RD 2700 0.0037 0.015 0 TRAP 13 0
 *

 7545 KK OA03-C
 7546 BA 0.554
 7547 PB 2.77
 7548 LS 0 88.3
 7549 UD 0.589
 *

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HEC-1 INPUT

PAGE203

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

7550 KK COA03-C
 7551 KM COMBINE OA03-C AND RCLW53-C
 7552 KM OWENS AND NELLIS
 7553 HC 2
 *

 7554 KKRCOA03-C
 7555 KM ROUTE COA03-C TO CNEL01-C
 7556 KM FACILITY = LAS VEGAS WASH - NELLIS
 7557 KM FACILITY ID-MILE = LVNE 0089
 7558 KM LINING = RCB
 7559 RD 2700 0.0037 0.015 0 TRAP 13 0
 *

 7560 KK NEL01-C
 7561 BA 0.284
 7562 PB 2.77
 7563 LS 0 81.4
 7564 UD 0.411
 *

 7565 KKCNEL01-C
 7566 KM COMBINE NEL01-C AND RCOA03-C
 7567 KM WASHINGTON AND NELLIS
 7568 HC 2
 *

 7569 KKRCNEL01C
 7570 KM ROUTE CNEL01-C TO CNEL02-C
 7571 KM FACILITY = LAS VEGAS WASH - NELLIS
 7572 KM FACILITY ID-MILE = LVNE 0000
 7573 KM LINING = RCB
 7574 RD 4675 0.002 0.015 0 TRAP 26 0
 *

* *****
 * FOLLOWING FROM MPU REMOVED FOR NEW ROUTING OF LVNE TO STEWART
 * KKNEL02-C
 * BA0.276
 * PB2.77
 * LS0 84.8
 * UD0.384
 *
 * KKCNEL02-C
 * KMCOMBINE NEL02-C AND RCNEL01-C
 * KMBONANZA AND LAS VEGAS WASH - MIDDLE BRANCH
 * HC2
 * *****

7575 KKNEL04-C1
 7576 KM NORTH PORTION OF MPU BASIN NEL04-C
 7577 KM ENTERS WASH AT STEWART
 7578 BA 0.117
 7579 PB 2.77
 7580 LS 0 91.0

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HEC-1 INPUT

PAGE204

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

7581 UD 0.328
 *

 7582 KKCNEL02-C
 7583 KM COMBINE NEL02-C AND CNEL04-C1

```

7584      KM STEWART AND LAS VEGAS WASH - MIDDLE BRANCH
7585      HC          2
          * KO 1
          *

7586      KRCNEL02C
7587      KM ROUTE IN NELLIS BLVD. TO LV WASH JUST SOUTH OF STEWART
7588      KM FACILITY = LAS VEGAS WASH - NELLIS
7589      KM FACILITY ID-MILE = LVNE 0000
7590      KM LINING = RCB
7591      RD    3375  0.002  0.015      0  TRAP    26      0
          *

7592      KRCNEL02C1
7593      KM COMBINE CCST03-C AND RCNEL02C
7594      KM IN LV WASH JUST SOUTH OF STEWART AVENUE
7595      HC          2
7596      KO          1
          *

7597      KRCCST03C
7598      KM ROUTE CNEL02C1 TO CCCH77-C
7599      KM FACILITY = LAS VEGAS WASH MIDDLE
7600      KM FACILITY # = LVMD 1069,1071
7601      KM LINING = CONCRETE
7602      RD    2707  0.0043  0.015      0  TRAP    90     1.5
          *

7603      KKNEL04-C2
7604      KM SOUTH PORTION OF MPU BASIN NEL04-C
7605      KM ENTERS WASH AT CHARLESTON
7606      BA    0.126
7607      PB    2.77
7608      LS      0    91.0
7609      UD    0.310
          *

7610      KK CH70-C
7611      BA    0.260
7612      PB    2.77
7613      LS      0    90.5
7614      UD    0.435
          *

7615      KK CH73
7616      BA    0.141
7617      PB    2.77
7618      LS      0    90.9
7619      UD    0.140
          *

7620      KK CCH73-C
7621      KM COMBINE CH70-C AND CH73
7622      KM CHARLESTON AND US 95
7623      HC          2
          *

7624      KK RCH73
7625      KM ROUTE CCH73 TO CCH75-C
7626      KM CHARLESTON
7627      RD    3300  0.0061  0.016      0  TRAP    0     50
          *

7628      KK CH75-C
7629      BA    0.356
7630      PB    2.77
7631      LS      0    90.3
7632      UD    0.517
          *

7633      KK CCH75-C
7634      KM COMBINE RCH73 AND CH75-C
7635      KM LAMB AND CHARLESTON
7636      HC          2
          *

7637      KK CH76
7638      BA    0.138
7639      PB    2.77
7640      LS      0    92.6
7641      UD    0.339
          *

7642      KK CCH76
7643      KM COMBINE CH76 AND CCH75-C
7644      KM LAMB AND CHARLESTON
7645      HC          2
          *

7646      KK RCCH76
7647      KM ROUTE CCH76 TO CCH77-C

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HEC-1 INPUT

PAGE205

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

7648 KM FACILITY = LAS VEGAS WASH - CHARLESTON
 7649 KM FACILITY # = LVCA 0000
 7650 KM LINING = RCB
 7651 RD 4600 0.003 0.015 0 TRAP 12 0
 *

7652 KK CH77-C
 7653 BA 0.448
 7654 PB 2.77
 7655 LS 0 90.1
 7656 UD 0.517
 *

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HEC-1 INPUT

PAGE206

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

7657 KK CCH77-C
 7658 KM COMBINE RCCH76 AND CH77-C
 7659 KM CHARLESTON FLOW @ LAS VEGAS WASH
 7660 HC 2
 *

7661 KKNEL04-2
 7662 KM COMBINE NEL04,RCCST03C AND CCH77-C
 7663 KM CHARLESTON BLVD @ LAS VEGAS WASH
 7664 HC 3
 *

7665 KK RCNEL04
 7666 KM ROUTE CNEL04-2 TO CCNEL06
 7667 KM FACILITY = LAS VEGAS WASH MIDDLE
 7668 KM FACILITY # = LVMD 1054
 7669 KM LINING = CONCRETE
 7670 RD 860 0.005 0.015 0 TRAP 120 0
 *

7671 KK CH91-C
 7672 BA 0.128
 7673 PB 2.77
 7674 LS 0 94.2
 7675 UD 0.257
 *

7676 KK RCH91-C
 7677 KM ROUTE CH91-C TO CCH92-C
 7678 KM COLORADO AVENUE
 7679 RD 4100 0.0134 0.016 0 TRAP 0 50
 *

7680 KK CH92-C
 7681 BA 0.223
 7682 PB 2.77
 7683 LS 0 89.7
 7684 UD 0.336
 *

7685 KK CCH92-C
 7686 KM COMBINE RCH91-C AND CH92-C
 7687 KM COLORADO AND US 95
 7688 HC 2
 *

7689 KK RCH92-C
 7690 KM ROUTE CCH92-C TO CCH94
 7691 KM FACILITY = COLORADO AVENUE SYSTEM
 7692 KM FACILITY # = LVCO 0106,0109
 7693 KM LINING = RCB
 7694 RD 2941 0.0067 0.015 0 TRAP 10 0
 *

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HEC-1 INPUT

PAGE207

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

7695 KK CH93
 7696 BA 0.266
 7697 PB 2.77
 7698 LS 0 88.0
 7699 UD 0.344
 *

7700 KK RCH93
 7701 KM ROUTE CH93 TO CCH94
 7702 KM WYOMING
 7703 RD 3800 0.004 0.016 0 TRAP 0 50
 *

7704 KK CH94
 7705 BA 0.363
 7706 PB 2.77
 7707 LS 0 84.0
 7708 UD 0.522
 *

7709 KK CCH94
 7710 KM COMBINE RCH93 AND CH94
 7711 KM COLORADO AND LAMB
 7712 HC 2
 *
 7713 KK CCCH94
 7714 KM COMBINE RCH92-C AND CCH94
 7715 KM COLORADO AND LAMB
 7716 HC 2
 *
 7717 KK RCCCH94
 7718 KM ROUTE CCH94 TO CNEL06
 7719 KM FACILITY = COLORADO AVENUE SYSTEM
 7720 KM FACILITY # = LVCO 0000,0012,0064
 7721 KM LINING = RCB
 7722 RD 5344 0.0024 0.015 0 TRAP 10 0
 *
 7723 KK NEL06-C
 7724 BA 0.323
 7725 PB 2.77
 7726 LS 0 88.2
 7727 UD 0.483
 *
 7728 KK CNEL06
 7729 KM COMBINE RCCH94 AND NEL06
 7730 KM COLORADO AVE. STORM DRAIN FLOW @ LAS VEGAS WASH
 7731 HC 2
 *

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HEC-1 INPUT

PAGE208

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

7732 KK CCNEL06
 7733 KM COMBINE RCNEL04 AND CNEL06
 7734 KM LAS VEGAS WASH AND COLORADO AVE.
 7735 HC 2
 *
 7736 KK RCNEL06
 7737 KM ROUTE CCNEL06 TO CNLWY
 7738 KM FACILITY = LAS VEGAS WASH MIDDLE
 7739 KM FACILITY # = LVMD 1048
 7740 KM LINING = CONCRETE
 7741 RD 340 0.005 0.015 0 TRAP 120 1.5
 *
 7742 KK FW35
 7743 BA 0.466
 7744 PB 2.77
 7745 LS 0 86.0
 7746 UD 0.484
 *
 7747 KK CNLWY
 7748 KM COMBINE RCNEL06 AND FW35
 7749 KM LAS VEGAS WASH AND NELLIS BLVD.
 7750 HC 2
 *

7751 KK RCNLWY
 7752 KM ROUTE CNLWY TO CLVCH
 7753 KM FACILITY = LAS VEGAS WASH MIDDLE
 7754 KM FACILITY # = LVMD 1046,1033,1031,0974
 7755 KM LINING = CONCRETE
 7756 RD 2735 0.003 0.015 0 TRAP 75 1
 *
 *
 * **CHRISTY LANE LATERAL FLOW**
 *

7757 KK 324-9
 7758 BA 0.475
 7759 PB 2.77
 7760 LS 0 82.8
 7761 UD 0.411
 *

7762 KK R324-9
 7763 KM ROUTE 324-9 TO C324-8
 7764 KM CHRISTY LANE
 7765 RD 2600 0.0038 0.016 0 TRAP 0 50
 *

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HEC-1 INPUT

PAGE209

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

7766 KK 324-8
 7767 BA 0.320
 7768 PB 2.78

```

7769      LS      0      81.5
7770      UD      0.328
          *

7771      KK      C324-8
7772      KM      COMBINE R324-9 AND 324-8
7773      HC      2
          *

7774      KK      RC324-8
7775      KM      ROUTE C324-8 TO C324-7
7776      KM      CHRISTY LANE
7777      RD      2650 0.0038 0.016      0      TRAP      0      50
          *

7778      KK      324-7
7779      BA      0.286
7780      PB      2.79
7781      LS      0      79.5
7782      UD      0.317
          *

7783      KK      C324-7
7784      KM      COMBINE RC324-8 AND 324-7
7785      HC      2
          *

7786      KK      RC324-7
7787      KM      ROUTE C324-7 TO C324-6
7788      KM      CHRISTY LANE
7789      RD      2600 0.0038 0.016      0      TRAP      0      50
          *

7790      KK      324-6
7791      BA      0.295
7792      PB      2.81
7793      LS      0      81.9
7794      UD      0.361
          *

7795      KK      C324-6
7796      KM      COMBINE RC324-7 AND 324-6
7797      HC      2
          *

7798      KK      RC324-6
7799      KM      ROUTE C324-6 TO C324-5
7800      KM      FACILITY = RANGE WASH-CHRISTY LATERAL
7801      KM      FACILITY # = LVCH 0114
7802      KM      LINING = RCB
7803      RD      2600 0.0058 0.015      0      TRAP      10      0
          *

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          HEC-1 INPUT
          PAGE210

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

7804      KK      324-5
7805      BA      0.222
7806      PB      2.80
7807      LS      0      85.4
7808      UD      0.339
          *

7809      KK      C324-5
7810      KM      COMBINE RC324-6 AND 324-5
7811      HC      2
          *

7812      KK      RC324-5
7813      KM      ROUTE C324-5 TO C326B3
7814      KM      FACILITY = RANGE WASH-CHRISTY LATERAL
7815      KM      FACILITY # = LVCH 0000
7816      KM      LINING = RCB
7817      RD      5940 0.0033 0.015      0      TRAP      12      0
          *

7818      KK      326B-3
7819      BA      0.368
7820      PB      2.78
7821      LS      0      85.9
7822      UD      0.483
          *

7823      KK      C326B3
7824      KM      COMBINE RC324-5 AND 326B-3
7825      KM      CHRISTY LATERAL @ LAS VEGAS WASH
7826      HC      2
          *

7827      KK      NEL05
7828      BA      0.124
7829      PB      2.77
7830      LS      0      86.5
7831      UD      0.394

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*
7832      KK 2C326B3
7833      KM COMBINE C326B3 AND NEL05
7834      HC      2
*

7835      KK CLVCH
7836      KM COMBINE RCNLWY AND 2C326B3
7837      KM LAS VEGAS WASH AND CHRISTY LATERAL
7838      HC      2
*

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HEC-1 INPUT

PAGE211

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

7839      KK RCLVCH
7840      KM ROUTE CLVCH TO CFW37
7841      KM FACILITY = LAS VEGAS WASH MIDDLE
7842      KM FACILITY # = LVMD 0950,0948
7843      KM LINING = CONCRETE
7844      RD      2400  0.005  0.015      0      TRAP      75      1
*

7845      KK FW37
7846      BA      0.398
7847      PB      2.77
7848      LS      0      84.1
7849      UD      0.432
*

7850      KK CFW37
7851      KM COMBINE RCLVCH AND FW37
7852      KM LAS VEGAS WASH AND SAHARA AVENUE
7853      HC      2
*
7854      ZZ

```

1

SCHEMATIC DIAGRAM OF STREAM NETWORK

```

INPUT
LINE      (V) ROUTING      (--->) DIVERSION OR PUMP FLOW

NO.      (.) CONNECTOR      (<---) RETURN OF DIVERTED OR PUMPED FLOW

53      NW62-S
      V
      V
66      RNW62-S
      .
      .
72      .      NW74-C
      .
      .
77      CNW74-C.....
      V
      V
80      RCNW74-C
      .
      .
86      .      NW45-S
      .      V
      .      V
91      .      RNW45-S
      .
      .
97      .      NW72-C
      .
      .
102     .      CNW72-C.....
      .
      .
106     2CNW72-C.....
      V
      V
110     RC72-C
      .
      .
116     .      NW29-C
      .      V
      .      V
121     .      RNW29-C
      .
      .
127     .      NW71-W
      .
      .
132     .      CNW71-W.....
      .      V
      .      V
136     .      RCNW71-W
      .
      .
142     .      NW71-E
      .

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147      .      CNW71-E.....
      .
151 2CNW71-E.....
      V
      V
155 R2C71-E
      .
161      .      NW28-C
      .      V
      .      V
166      .      RNW28-C
      .
170      .      .      NW55-C
      .      .
175      .      CNW55-C.....
      .
182      .      .      ----->DCNW66-C
179      .      DNW55-C
      .      V
      .      V
185      .      RDNW55-C
      .
189      .      .      NW89-C
      .      .
194      .      CNW89-C.....
      .
198 2CNW89-C.....
      V
      V
202 R2C89-C
      .
208      .      NW103-C
      .
213 CNW103-C.....
      V
      V
217 RC103-C
      .
223      .      NWBB1-C
      .
228 CNWBB1-C.....
      V
      V
232 RCWBB1-C
      .
238      .      NWBB3-C
      .
246      .      .      ----->DNWBC6-C
243      .      DNWBB3-C
      .
249 CNWBB3-C.....
      V
      V
253 RCNBB3-C
      .
259      .      NWBD2-N
      .
264 CNWBD2-N.....
      V
      V
268 RCWBD2-N
      .
274      .      NWBD2-S
      .
284      .      .      ----->DNW1C1-C
279      .      DNWBD2-S
      .
287 CNWBD2-S.....
      V
      V
291 RCWBD2-S
      .
297      .      NW2B2-C

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302 CNW2B2-C .....
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V
V
306 RCW2B2-C
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312 . NW2A2-C
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V
V
317 . RNW2A2-C
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321 . NW2A4-C
.
V
V
326 . RNW2A4-C
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330 . NW2C3-C
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335 . CNW2C3-C .....
.
V
V
339 . RCW2C3-C
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343 . NW2D3-C
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348 CNW2D3-C .....
.
V
V
352 RCW2D3-C
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358 . NW2C4-C
.
V
V
363 . RNW2C4-C
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367 . NW2D4-C
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372 CNW2D4-C .....
.
V
V
376 RCW2D4-C
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382 . NW3A2-C
.
V
V
387 . RNW3A2-C
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394 . NW3B3-C
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399 CNW3B3-C .....
.
V
V
403 RCW3B3-C
.
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409 . NW3A4-C
.
V
V
414 . RNW3A4-C
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420 . NW3B4-C
.
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.
425 . CNW3B4-C .....
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.
429 2CW3B4-C .....
.
V
V
433 RCW3B4-C
.
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439 . NW3D3-C
.
.
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444 CNW3D3-C .....
.
V
V
448 RCW3D3-C
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454 . NW129-C
      . V
      . V
459 . RNW129-C
      .
      .
465 . NW130-E
      . V
      . V
470 . RNW130-E
      .
      .
476 . NW148-C
      .
      .
481 . CNW148-C.....
      . V
      . V
485 . RCW148-C
      .
      .
491 . NW116-C
      . V
      . V
496 . RNW116-C
      .
      .
499 . NW128
      .
      .
504 . CNW128.....
      .
      .
507 . NW157
      .
      .
512 . CTULEDB.....
      . V
      . V
515 . TULEDB
      . V
      . V
534 . RTULEDB
      .
      .
540 . NW147-E
      .
      .
545 . CNW147E.....
      . V
      . V
549 . RCW147E
      .
      .
555 . NW62-N
      . V
      . V
560 . RNW62-N
      .
      .
564 . NW78-C
      .
      .
569 . CNW78-C.....
      .
      .
579 . -----> DNW96-C
573 . DNW78-C
      . V
      . V
582 . RCW78-C
      .
      .
591 . NW100-W
      .
      .
596 . CNW100-W.....
      .
      .
607 . -----> DNW64-E
600 . DNW100-W
      . V
      . V
610 . RDW100-W
      .
      .
618 . NW115-C
      .
      .
623 . CNW115-C.....
      . V
      . V
627 . RCW115-C
      .
      .

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635 . . . . .<----- DNW96-C
633 . . . . .DNW96-C
        . . . . .V
        . . . . .V
636 . . . . .RDW96-C
        . . . . .V
        . . . . .V
640 . . . . .R2DW96-C
        . . . . .
        . . . . .NW96-C
646 . . . . .
        . . . . .
651 . . . . .CNW96-C.....
        . . . . .
655 . . . . .NW75-C
        . . . . .
        . . . . .
666 . . . . .-----> DNW111S
660 . . . . .DNW75-C
        . . . . .V
        . . . . .V
669 . . . . .RDW75-C
        . . . . .
        . . . . .
673 . . . . .2CNW96-C.....
        . . . . .V
        . . . . .V
677 . . . . .R2CW96-C
        . . . . .
        . . . . .NW113-C
683 . . . . .
        . . . . .
688 . . . . .CNW113-C.....
        . . . . .V
        . . . . .V
691 . . . . .RCW113-C
        . . . . .
        . . . . .NW114-C
697 . . . . .
        . . . . .V
        . . . . .V
702 . . . . .RNW114-C
        . . . . .
        . . . . .NW147W
706 . . . . .
        . . . . .
711 . . . . .CNW147W.....
        . . . . .
        . . . . .NW144W
714 . . . . .
        . . . . .
719 . . . . .CNW144W.....
        . . . . .
        . . . . .<----- DNW111S
724 . . . . .DNW111S
722 . . . . .V
        . . . . .V
725 . . . . .RDNW111S
        . . . . .
        . . . . .NW111S
731 . . . . .
        . . . . .
736 . . . . .CNW111S.....
        . . . . .V
        . . . . .V
739 . . . . .RNW111S
        . . . . .
        . . . . .NW111N
745 . . . . .
        . . . . .
750 . . . . .CNW111N.....
        . . . . .
        . . . . .CBRDB.....
753 . . . . .V
        . . . . .V
756 . . . . .BRDB
        . . . . .V
        . . . . .V
779 . . . . .RBRDB
        . . . . .
        . . . . .NW144E
785 . . . . .
        . . . . .
790 . . . . .CNW144E.....
        . . . . .

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793 . . . . . 2CW144E.....
      . . . . . V
      . . . . . V
796 . . . . . RCW144E
      . . . . .
802 . . . . . NW155-C
      . . . . .
807 . . . . . CNW155-C.....
      . . . . . V
      . . . . . V
811 . . . . . RCW155-C
      . . . . .
817 . . . . . NW165
      . . . . . V
      . . . . . V
822 . . . . . RCW165
      . . . . .
826 . . . . . NW164
      . . . . .
831 . . . . . CNW164.....
      . . . . . V
      . . . . . V
834 . . . . . RCW164
      . . . . .
838 . . . . . NW163-C
      . . . . .
843 . . . . . CNW163-C.....
      . . . . .
846 . . . . . NW109-C
      . . . . . V
      . . . . . V
851 . . . . . RCW109-C
      . . . . .
858 . . . . . NW139-C
      . . . . .
863 . . . . . CNW139-C.....
      . . . . .
867 . . . . . NW138-C
      . . . . .
872 . . . . . CNW138-C.....
      . . . . . V
      . . . . . V
876 . . . . . RCW138-C
      . . . . .
883 . . . . . 2C163-C.....
      . . . . . V
      . . . . . V
887 . . . . . R2C163-C
      . . . . .
893 . . . . . NW162-C
      . . . . .
898 . . . . . CNW162-C.....
      . . . . . V
      . . . . . V
902 . . . . . RCW162-C
      . . . . .
908 . . . . . NW161-C
      . . . . .
916 . . . . . ----->DNW150-C
913 . . . . . DNW161-C
      . . . . .
919 . . . . . CD161-C.....
      . . . . . V
      . . . . . V
923 . . . . . RCD161-C
      . . . . .
929 . . . . . NW134-C
      . . . . .
934 . . . . . NW133-C
      . . . . .
939 . . . . . CNW133-C.....
      . . . . . V
      . . . . . V

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943	.	.	ELKBASIN	
	.	.	V	
	.	.	V	
955	.	.	RELKDB	
	.	.	.	
963<-----DNW150-C
961	.	.	DNW150-C	
	.	.	V	
	.	.	V	
964	.	.	RD150-C	
	.	.	.	
968	.	.	CRD150-C.....	
	.	.	V	
	.	.	V	
972	.	.	RCRD150	
	.	.	.	
978	.	.	.	NW150-C
	.	.	.	
983	.	.	CNW150-C.....	
	.	.	.	
987	.	.	CCW150-C.....	
	.	.	V	
	.	.	V	
991	.	.	RCW150-C	
	.	.	.	
997	.	.	NW159-C	
	.	.	.	
1002	.	.	CNW159-C.....	
	.	.	V	
	.	.	V	
1006	.	.	RCW159-C	
	.	.	.	
1012	.	.	NW172-C	
	.	.	V	
	.	.	V	
1017	.	.	RNW172-C	
	.	.	.	
1021	.	.	.	NW170-C
	.	.	.	
1026	.	.	CNW170-C.....	
	.	.	V	
	.	.	V	
1030	.	.	RC170-C	
	.	.	.	
1034	.	.	.	NW168-C
	.	.	.	
1039	.	.	CNW168-C.....	
	.	.	V	
	.	.	V	
1043	.	.	RC168-C	
	.	.	.	
1049	.	.	NW180-C	
	.	.	V	
	.	.	V	
1054	.	.	RNW180-C	
	.	.	.	
1060	.	.	.	NW178-C
	.	.	.	
1065	.	.	CNW178-C.....	
	.	.	.	
1069	.	.	2C178-C.....	
	.	.	V	
	.	.	V	
1073	.	.	RC178-C	
	.	.	.	
1079	.	.	NW188-C	
	.	.	.	
1084	.	.	CNW188-C.....	
	.	.	V	
	.	.	V	
1088	.	.	RC188-C	
	.	.	.	
1094	.	.	NW190-C	
	.	.	V	
	.	.	V	
1099	.	.	RNW190-C	

1103	.	.	.	NW200-C
1108	.	.	CNW200-C.....	.
	.	.	V	.
1112	.	.	V	.
	.	.	RC200-C	.
1118	.	.	.	NW198-C
1123	.	.	CNW198-C.....	.
1127	.	.	2C198-C.....	.
	.	.	V	.
1131	.	.	V	.
	.	.	RC198-C	.
1137	.	.	.	NW3C2-C
1142	.	.	CNW3C2-C.....	.
	.	.	V	.
1146	.	.	V	.
	.	.	RC3C2-C	.
1152	.	.	.	NW3D4-C
1157	.	.	CNW3D4-C.....	.
	.	.	V	.
1161	.	.	V	.
	.	.	RC3D4-C	.
1167	.	.	2C3D4-C.....	.
	.	.	V	.
1171	.	.	V	.
	.	.	RC3D4-C	.
1177	.	.	.	NN011-C
1182	.	.	CNN011-C.....	.
	.	.	V	.
1186	.	.	V	.
	.	.	RC011-C	.
1192	.	.	.	NN030-C
1197	.	.	CNN030-C.....	.
	.	.	V	.
1200	.	.	V	.
	.	.	RC030-C	.
1206	.	.	.	NW27-C
	.	.	V	.
1211	.	.	V	.
	.	.	RN27-C	.
1217	.	.	.	NW26-C
1222	.	.	CNW26-C.....	.
	.	.	V	.
1225	.	.	V	.
	.	.	RN26-C	.
1238	.	.	.	----->DOUTFLOW
1231	.	.	DNW26-C	.
	.	.	V	.
1241	.	.	V	.
	.	.	RC26-C	.
1254	.	.	.	-----> DNW77-C
1247	.	.	DC26-C	.
1257	.	.	.	NWBA3-C
1262	.	.	CBA3-C.....	.

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.      V
.      V
1266  . RDWBA3-C
.      .
.      .
.      .
1278  . ----->DNWBA6-C
1272  . DBA3-C
.      V
.      V
1281  . R2WBA3-C
.      .
.      .
1287  .          CDMNA1
.      .
.      .
1292  . CMNA1.....
.      V
.      V
1296  . RCMNA1
.      .
.      .
1302  .          NWBC2-C
.      .
.      .
1307  . FADBIN.....
.      V
.      V
1311  . FADB
.      V
.      V
1330  . FADBOUT
.      .
.      .
1338  . .<-----DOUTFLOW
1336  . DOUTFLOW
.      V
.      V
1339  . RDOUTFLW
.      .
.      .
1345  .          NW53-C
.      .
.      .
1350  . CNW53-C.....
.      V
.      V
1354  . RCNW53-C
.      .
.      .
1362  . .<-----DCNW66-C
1360  . DCNW66-C
.      V
.      V
1363  . RDW66-C
.      .
.      .
1368  .          NW66-C
.      .
.      .
1373  . CNW66-C.....
.      V
.      V
1377  . RCW66-C
.      .
.      .
1385  . .<----- DNW77-C
1383  . DNW77-C
.      V
.      V
1386  . RDW77-C
.      .
.      .
1390  .          NW77-C
.      .
.      .
1395  . CNW77-C.....
.      V
.      V
1399  . RCW77-C
.      .
.      .
1407  . .<-----DNWBA6-C
1405  . DNWBA6-C
.      V
.      V
1408  . RDWBA6-C
.      .
.      .
1412  .          NWBA6-C
.      .
.      .
1417  . CNWBA6-C.....
.      V
.      V
1421  . RCBA6-C

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1427 . . . . . CFADE . . . . .
. . . . . V
. . . . . V
1431 . . . . . RCFADB
. . . . .
. . . . . NWBC3
. . . . .
1442 . . . . . CNWBC3 . . . . .
. . . . . V
. . . . . V
1446 . . . . . RCNWBC3
. . . . .
. . . . .
1454 . . . . . .<-----DNWBC6-C
1452 . . . . . DNWBC6-C
. . . . . V
. . . . . V
1455 . . . . . RDNWBC6
. . . . .
. . . . .
1459 . . . . . NWBC6-C
. . . . .
. . . . .
1464 . . . . . CNWBC6-C . . . . .
. . . . . V
. . . . . V
1468 . . . . . RCBC6-C
. . . . .
. . . . .
1476 . . . . . .<-----DNW1C1-C
1474 . . . . . DNW1C1-C
. . . . .
. . . . .
1477 . . . . . CDW1C1 . . . . .
. . . . . V
. . . . . V
1480 . . . . . RD1C1-C
. . . . .
. . . . .
1486 . . . . . NW1C1-W
. . . . .
. . . . .
1491 . . . . . CNW1C-W . . . . .
. . . . .
. . . . .
1494 . . . . . NWBE2-C
. . . . .
. . . . .
1506 . . . . . -----> D1A4-1
1499 . . . . . DNWBE2-C
. . . . .
. . . . .
1515 . . . . . -----> D1A4-2
1509 . . . . . DNWBE2-C
. . . . . V
. . . . . V
1518 . . . . . RDWBE2-C
. . . . .
. . . . .
1522 . . . . . 2CNW1C-W . . . . .
. . . . .
. . . . .
1527 . . . . . .<----- D1A4-1
1525 . . . . . D1A4-1
. . . . . V
. . . . . V
1528 . . . . . RD1A4-1
. . . . .
. . . . .
1536 . . . . . .<----- D1A4-2
1534 . . . . . D1A4-2
. . . . . V
. . . . . V
1537 . . . . . RD1A4-2
. . . . .
. . . . .
1543 . . . . . NW1A4-C
. . . . .
. . . . .
1548 . . . . . CNW1A4-C . . . . .
. . . . . V
. . . . . V
1551 . . . . . RCW1A4-C
. . . . .
. . . . .
1557 . . . . . NW1C1-E
. . . . .
. . . . .
1562 . . . . . RCHOIN . . . . .
. . . . . V
. . . . . V

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1565	.	RCHODB	.
	.	V	.
	.	V	.
1585	.	RCHOOT	.
	.	.	.
1591	.	NW2A1-C	.
	.	.	.
1596	.	.	NW2A3-C
	.	.	.
1601	.	CNW2A3-C.....	.
	.	V	.
	.	V	.
1605	.	RC2A3-C	.
	.	.	.
1611	.	.	NW2B5-C
	.	.	.
1616	.	CNW2B5-C.....	.
	.	.	.
1620	.	2CNW2B5C.....	.
	.	V	.
	.	V	.
1624	.	RC2B5-C	.
	.	.	.
1630	.	NW2C1-C	.
	.	V	.
	.	V	.
1635	.	RNW2C1-C	.
	.	.	.
1639	.	.	NW2D1-C
	.	.	.
1644	.	CNW2D1-C.....	.
	.	V	.
	.	V	.
1648	.	RC2D1-C	.
	.	.	.
1654	.	NW2C2-C	.
	.	V	.
	.	V	.
1659	.	RNW2C2-C	.
	.	.	.
1663	.	.	NW2D2-C
	.	.	.
1668	.	CNW2D2-C.....	.
	.	V	.
	.	V	.
1672	.	RC2D2-C	.
	.	.	.
1678	.	NW3A1-C	.
	.	V	.
	.	V	.
1683	.	RNW3A1-C	.
	.	.	.
1687	.	.	NW3A3-C
	.	.	.
1692	.	CNW3A3-C.....	.
	.	V	.
	.	V	.
1696	.	RC3A3-C	.
	.	.	.
1700	.	.	NW3B1-C
	.	.	.
1705	.	CNW3B1-C.....	.
	.	V	.
	.	V	.
1709	.	RC3B1-C	.
	.	.	.
1713	.	.	NW3B2-C
	.	.	.
1718	.	CNW3B2-C.....	.
	.	V	.
	.	V	.
1722	.	RC3B2-C	.
	.	.	.
1728	.	NN043-C	.

1733	.	CNN043-C.....
	.	.
1737	2C043-C.....	.
	V	.
1741	RC043-C	.
	.	.
1747	.	NN038-C
	.	V
	.	V
1752	.	RNN038-C
	.	.
1758	.	NN040-C
	.	.
1763	.	CNN040-C.....
	.	V
	.	V
1767	.	RC040-C
	.	.
1773	.	NN044-C
	.	.
1778	.	CNN044-C.....
	.	.
1782	2C044-C.....	.
	V	.
	V	.
1786	RC044-C	.
	.	.
1792	.	NN052-C
	.	V
	.	V
1797	.	RNN052-C
	.	.
1803	.	NN054-C
	.	.
1808	.	CNN054-C.....
	.	V
	.	V
1812	.	RC054-C
	.	.
1818	.	NN057-C
	.	.
1823	.	CNN057-C.....
	.	.
1827	2C057-C.....	.
	V	.
	V	.
1831	RC057-C	.
	.	.
1837	.	NN071-C
	.	.
1842	.	NN072
	.	.
1847	LOWERIN.....	.
	V	.
	V	.
1851	LOWERDB	.
	V	.
	V	.
1872	LOWEROT	.
	.	.
1878	.	NN070-C
	.	V
	.	V
1883	.	RNN070-C
	.	.
1887	.	NN086-C
	.	.
1892	CNN086-C.....	.
	V	.
	V	.
1896	RC086-C	.
	.	.
1902	.	GD17BG-C

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.      V
.      V
1907  .  RGD17BG
.      .
.      .
1913  .      GD11B-C
.      .
.      .
1918  .  CGD11B-C.....
.      V
.      V
1922  .  RCGD11B
.      .
.      .
1928  .      PT6B-C
.      .
.      .
1933  .  CPT6B-C.....
.      .
.      .
1941  .  -----> DGOW1A
1937  .  DPT6B-C1
.      .
.      .
1948  .  -----> DTRILGY
1944  .  DPT6B-C2
.      V
.      V
1951  .  RCPT6B-C
.      .
.      .
1957  .      .<----- DGOW1A
1955  .      DGOW1A
.      V
.      V
1958  .      RDGOW1A
.      .
.      .
1964  .  CCY08-C.....
.      .
.      .
1970  .      .<----- DTRILGY
1968  .      DTRILGY
.      .
.      .
1971  .      .      CY07B
.      .
.      .
1976  .      CCY07B.....
.      .
.      .
1985  .      .-----> DCENT1
1980  .      DCY07B
.      V
.      V
1988  .      RDCY07B
.      .
.      .
1992  .      .      CY08-C
.      .
.      .
1997  .  CCCY08-C.....
.      .
.      .
2007  .  ----->DCENTRAL
2001  .  DGOW2A
.      V
.      V
2010  .  RDGOW2A
.      .
.      .
2016  .      PDGCD-C
.      V
.      V
2021  .      RPDGCD-C
.      V
.      V
2025  .      RRPDGCD
.      .
.      .
2030  .      .      NW29B-C
.      .
.      V
2035  .      .      RNW29B-C
.      .
.      .
2039  .      .      .      NW1C2-C
.      .
.      .
2044  .      .      CNW1C2.....
.      V
.      V
2048  .      .      RCNW1C2
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2053 . . . . . PDGCB10C
. . . . .
2058 . . . . . CPDGCB10.....
. . . . .
2067 . . . . . ----->DPT3AA11
2062 . . . . . DDPGCB10
. . . . . V
. . . . . V
2070 . . . . . RDPDGCB1
. . . . .
2079 . . . . . ----->DPT3AB1C
2075 . . . . . DDPDGCB1
. . . . .
2082 . . . . . CDPDGCB1.....
. . . . . V
. . . . . V
2086 . . . . . RCDPDGCB
. . . . .
2090 . . . . . GD20BE-C
. . . . .
2095 . . . . . CGD20BEC.....
. . . . . V
. . . . . V
2099 . . . . . RCGD20BE
. . . . .
2106 . . . . . GD20BM-C
. . . . .
2111 . . . . . CGD20BMC.....
. . . . . V
. . . . . V
2115 . . . . . RCGD20BM
. . . . .
2122 . . . . . PT2B2-C
. . . . .
2127 . . . . . CPT2B2.....
. . . . . V
. . . . . V
2131 . . . . . RCPT2B2
. . . . .
2138 . . . . . PT3-C
. . . . . V
. . . . . V
2143 . . . . . RCPT3-C
. . . . .
2149 . . . . . PT41-C
. . . . .
2154 . . . . . CPT41-C.....
. . . . .
2158 . . . . . CCPT41-C.....
. . . . . V
. . . . . V
2162 . . . . . RCPT41-C
. . . . .
2169 . . . . . PT5A2-C
. . . . .
2174 . . . . . CPT5A2-C.....
. . . . . V
. . . . . V
2178 . . . . . RCPT5A2
. . . . .
2184 . . . . . CPT5B6-C.....
. . . . .
2188 . . . . . PT5B6-C
. . . . .
2193 . . . . . CCPT5B6C.....
. . . . . V
. . . . . V
2197 . . . . . RCCPT5B6
. . . . .
2203 . . . . . PT5C-1
. . . . .
2208 . . . . . CPT5C-1.....
. . . . . V
. . . . . V

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2212	.	RCPT5C-1	.	.

2218	.	.	PT5C-2	.

2223	.	CPT5C-2.....	.	.
	.	V	.	.
	.	V	.	.
2227	.	RCPT5C-2	.	.

2233	.	.	PT5C-3	.

2238	.	CPT5C-3.....	.	.
	.	V	.	.
	.	V	.	.
2242	.	RCPT5C-3	.	.

2248	.	.	PT4C-3	.

2253	.	CPT4C-3.....	.	.
	.	V	.	.
	.	V	.	.
2257	.	RCPT4C-3	.	.

2263	.	PD16A3-C	.	.
	.	V	.	.
	.	V	.	.
2268	.	RC16A3-C	.	.

2272	.	.	PT4B2-C	.

2277	.	CPT4B2-C.....	.	.
	.	V	.	.
	.	V	.	.
2281	.	RCPT4B2	.	.

2285	.	.	PT4B3-C	.

2290	.	CPT4B3-C.....	.	.

2293	.	.	PT3DC1-C	.
	.	.	V	.
	.	.	V	.
2298	.	.	RAMDET	.

2306	.	CRAMDET.....	.	.
	.	V	.	.
	.	V	.	.
2309	.	RCRAMDET	.	.

2315	.	.	PT4C-1	.

2320	.	CPT4C-1.....	.	.
	.	V	.	.
	.	V	.	.
2324	.	RCPT4C-1	.	.

2330	.	.	PT4C-2	.

2335	.	CPT4C-2.....	.	.
	.	V	.	.
	.	V	.	.
2339	.	RCPT4C-2	.	.

2345	.	.	PT3D-1	.
	.	.	V	.
	.	.	V	.
2350	.	.	RPT3D-1	.

2354	.	.	.	PT3D-2

2359	.	.	CPT3D-2.....	.
	.	.	V	.
	.	.	V	.
2363	.	.	RCPT3D-2	.


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2369 . . . . . <-----DPT3AB1C
2367 . . . . . DPT3AB1C
. . . . . V
. . . . . V
2370 . . . . . RDPT3AB1
. . . . .
. . . . .
2375 . . . . . PT3AB1-C
. . . . .
. . . . .
2385 . . . . . ----->DPT3AA13
2380 . . . . . D3AB1C1
. . . . .
. . . . .
2390 . . . . . <-----DPT3AA11
2388 . . . . . DPT3AA11
. . . . . V
. . . . . V
2391 . . . . . RDPT3AA1
. . . . .
. . . . .
2398 . . . . . <-----DPT3AA13
2396 . . . . . DPT3AA13
. . . . .
. . . . .
2399 . . . . . PT3AA1-C
. . . . .
. . . . .
2404 . . . . . C3AA1.....
. . . . . V
. . . . . V
2408 . . . . . RC3AA1
. . . . .
. . . . .
2412 . . . . . CC3AA1.....
. . . . . V
. . . . . V
2416 . . . . . RCC3AA1
. . . . .
. . . . .
2422 . . . . . PT3AA2-C
. . . . .
. . . . .
2427 . . . . . CPT3AA2.....
. . . . . V
. . . . . V
2431 . . . . . RPT3AA2
. . . . .
. . . . .
2437 . . . . . PT2AA4-C
. . . . .
. . . . .
2448 . . . . . -----> DPT2AB1
2442 . . . . . DPT2AA4
. . . . . V
. . . . . V
2451 . . . . . RPT2AA4
. . . . .
. . . . .
2455 . . . . . PT3AC1-C
. . . . .
. . . . .
2460 . . . . . CPT3AC1.....
. . . . . V
. . . . . V
2464 . . . . . RC3AC1C
. . . . .
. . . . .
2472 . . . . . <----- DPT2AB1
2470 . . . . . DPT2AB1
. . . . . V
. . . . . V
2473 . . . . . RDPT2AB1
. . . . .
. . . . .
2477 . . . . . PT2AB1-C
. . . . .
. . . . .
2482 . . . . . CPT2AB1C.....
. . . . .
. . . . .
2485 . . . . . C2AB1C.....
. . . . . V
. . . . . V
2489 . . . . . RC2AB1C
. . . . .
. . . . .
2495 . . . . . PT2AB2
. . . . .
. . . . .
2500 . . . . . CPT2AB2.....
. . . . . V
. . . . . V
2504 . . . . . RCPT2AB2

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2510	PT2AC1
	V
	V
2515	RPT2AC1

2519	PT2AC2-C

2524	CPT2AC2C.....

2527	C2AC2-C.....
	V
	V
2531	RC2AC2-C

2537	.	.	.	.	.	PT2AD-1

2542	.	.	.	.	.	CPT2AD-1.....
	.	.	.	.	.	V
	.	.	.	.	.	V
2546	.	.	.	.	.	RC2AD-1

2552	.	.	.	.	.	CC2AD-1.....
	.	.	.	.	.	V
	.	.	.	.	.	V
2556	.	.	.	.	.	RCC2AD-1

2562	.	.	.	.	.	PT3D-3

2567	.	.	.	.	.	CPT3D-3.....

2571	.	.	.	.	.	CCPT3D-3.....
	.	.	.	.	.	V
	.	.	.	.	.	V
2575	.	.	.	.	.	RCPT3D-3

2581	.	.	.	.	.	PT2AC3
	.	.	.	.	.	V
	.	.	.	.	.	V
2586	.	.	.	.	.	LOSPRAD

2595	.	.	.	.	.	PT2AC4

2600	.	.	.	.	.	CPT2AC4.....
	.	.	.	.	.	V
	.	.	.	.	.	V
2604	.	.	.	.	.	RPT2AC4

2608	.	.	.	.	.	PT2AD-2

2613	.	.	.	.	.	CPT2AD2.....
	.	.	.	.	.	V
	.	.	.	.	.	V
2617	.	.	.	.	.	RCPT2AD2

2621	.	.	.	.	.	PT2AD-3

2626	.	.	.	.	.	CPT2AD3.....
	.	.	.	.	.	V
	.	.	.	.	.	V
2630	.	.	.	.	.	RCPT2AD3

2634	.	.	.	.	.	PT2C-1

2639	.	.	.	.	.	CPT2C-1.....

2643	.	.	.	.	.	CCPT2C1.....
	.	.	.	.	.	V
	.	.	.	.	.	V
2647	.	.	.	.	.	RCCPT2C1

2653	.	.	.	.	.	WTO4B-1
	.	.	.	.	.	V
	.	.	.	.	.	V

2658	.	.	RCWTO4B1	.

2662	.	.	.	WTO4B-2

2667	.	.	CWTO4B-2.....	.
	.	.	V	.
	.	.	V	.
2671	.	.	RCWTO4B2	.

2675	.	.	.	WTO4B-3

2680	.	.	CWTO4B-3.....	.
	.	.	V	.
	.	.	V	.
2684	.	.	RCWTO4B3	.

2690	.	.	.	PT-2B-1

2695	.	.	CPT2B-1.....	.

2698	.	.	CCPT2B-1.....	.

2701	.	.	PT4D-1	.

2706	.	.	CPT4D-1.....	.
	.	.	V	.
	.	.	V	.
2710	.	.	RCPT4D-1	.

2716	.	.	PT2C-2	.

2721	.	.	CPT2C-2.....	.

2725	.	.	PT-2B-2	.
	.	.	V	.
	.	.	V	.
2730	.	.	RPT2B-2	.

2734	.	.	CCPT2C-2.....	.
	.	.	V	.
	.	.	V	.
2738	.	.	RCCPT2C2	.

2744	.	.	PT4D-2	.
	.	.	V	.
	.	.	V	.
2749	.	.	RPT4D-2	.

2753	.	.	CRCPT2C2.....	.
	.	.	V	.
	.	.	V	.
2757	.	.	RRPT2C-2	.

2763	.	.	PT2C-3	.

2768	.	.	CPT2C-3.....	.

2772	.	.	PT-2B-3	.

2777	.	.	CPT-2B-3.....	.

2781	.	.	CGOWAN.....	.
	.	.	V	.
	.	.	V	.
2785	.	.	RRC086-C	.

2791	.	.	NN104-C	.

2796	.	.	CNN104-C.....	.
	.	.	V	.
	.	.	V	.
2800	.	.	RC104-C	.

2806	.	NN118-C	.
	.	.	.
2811	CNN118-C	.....	.
	.	V	.
	.	V	.
2815	RC118-C	.	.
	.	.	.
2821	.	LV99A-1	.
	.	V	.
	.	V	.
2826	.	RLV99A-1	.
	.	.	.
2830	.	.	LV99A-2
	.	.	.
2835	.	CLV99A-2	.....
	.	V	.
	.	V	.
2839	.	RC99A-2	.
	.	.	.
2845	.	.	LV99A-3
	.	.	.
2850	.	CLV99A-3	.....
	.	V	.
	.	V	.
2854	.	RC99A-3	.
	.	.	.
2860	.	.	LV99A-4
	.	.	.
2865	.	CLV99A-4	.....
	.	.	.
2869	2C99A-4	.....	.
	.	V	.
	.	V	.
2873	RC99A-4	.	.
	.	.	.
2879	.	NN134-C	.
	.	.	.
2884	CNN134-C	.....	.
	.	V	.
	.	V	.
2888	RC134-C	.	.
	.	.	.
2894	.	LV99B-1	.
	.	V	.
	.	V	.
2899	.	RLV99B-1	.
	.	.	.
2903	.	.	LV99B-2
	.	.	.
2908	.	CLV99B-2	.....
	.	V	.
	.	V	.
2912	.	RC99B-2	.
	.	.	.
2918	.	.	LV99B-3
	.	.	.
2923	.	CLV99B-3	.....
	.	V	.
	.	V	.
2927	.	RC99B-3	.
	.	.	.
2933	.	.	LV99B-4
	.	.	.
2938	.	CLV99B-4	.....
	.	V	.
	.	V	.
2942	.	RC99B-4	.
	.	.	.
2948	.	.	LV99B-6
	.	.	.
2953	.	CLV99B-6	.....
	.	.	.
2957	2C99B-6	.....	.

2961	V V RC99B-6		
2967		LV99B-5	
2972	CLV99B-5		
2975		41 V V	
2980		R41	
2989			302
2994		C302	
2997		V V RC302	
3006			303
3011			42B
3016		C42B	
3019		V V RC42B	
3028			42A
3033		C42A	
3036		V V RC42A	
3045			43
3050		C43	
3053		V V RC43	
3062			309
3067		C309	
3070		V V RC309	
3076			213H V
3081			V R213H
3085			213A
3090		C213A	
3094		V V RC213A	
3100			213G V V
3105			R213G
3109			213B
3114		C213B	
3118		V V RC213B	

3124	.	.	213F	
	.	.	V	
	.	.	V	
3129	.	.	R213F	
	.	.	.	
3133	.	.	.	213C
	.	.	.	
3138	.	.	C213C.....	
	.	.	V	
	.	.	V	
3142	.	.	RC213C	
	.	.	.	
3148	.	.	305A	
	.	.	.	
3153	.	.	.	305
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3158	.	.	C305.....	
	.	.	V	
	.	.	V	
3161	.	.	RC305	
	.	.	.	
3167	.	.	.	213E
	.	.	.	
3172	.	.	C213E.....	
	.	.	V	
	.	.	V	
3175	.	.	RC213E	
	.	.	.	
3182	.	.	.	213D
	.	.	.	
3187	.	.	C213D.....	
	.	.	.	
3191	.	.	CC213D.....	
	.	.	V	
	.	.	V	
3195	.	.	RCC213D	
	.	.	.	
3201	.	.	306A	
	.	.	.	
3206	.	.	C306A.....	
	.	.	.	
3209	.	.	115	
	.	.	.	
3214	.	.	NW166-C	
	.	.	V	
	.	.	V	
3219	.	.	RNW166-C	
	.	.	.	
3223	.	.	.	NW186-C
	.	.	.	
3228	.	.	CNW186-C.....	
	.	.	V	
	.	.	V	
3232	.	.	RC186-C	
	.	.	.	
3236	.	.	.	NW206-C
	.	.	.	
3246	.	.	.	----->DNW205-C
3241	.	.	.	DNW206-C
	.	.	.	
3249	.	.	CNW206-C.....	
	.	.	V	
	.	.	V	
3252	.	.	RC206-C	
	.	.	.	
3263	.	.	2C115.....	
	.	.	V	
	.	.	V	
3267	.	.	RC115	
	.	.	.	
3278	.	.	.	109C
	.	.	.	
3283	.	.	.	109B

3288	.	.	.	.	.
	.	.	C109B.....	.	.
	.	.	V	.	.
	.	.	V	.	.
3292	.	.	RC109B	.	.

3303	.	.	.	101E	.
	.	.	.	V	.
	.	.	.	V	.
3308	.	.	.	R101E	.

3312	.	.	.	.	GT03A

3317	.	.	.	.	109A

3322	.	.	C109A.....	.	.
	.	.	V	.	.
	.	.	V	.	.
3326	.	.	RC109A	.	.

3337	.	.	.	101F	.
	.	.	.	V	.
	.	.	.	V	.
3342	.	.	.	RC101F	.

3346	.	.	.	.	101D

3351	.	.	C101D.....	.	.
	.	.	V	.	.
	.	.	V	.	.
3355	.	.	RC101D	.	.

3366	.	.	.	101G	.
	.	.	.	V	.
	.	.	.	V	.
3371	.	.	.	R101G	.

3375	.	.	.	.	101C

3380	.	.	C101C.....	.	.
	.	.	V	.	.
	.	.	V	.	.
3384	.	.	RC101C	.	.

3395	.	.	.	101H	.
	.	.	.	V	.
	.	.	.	V	.
3400	.	.	.	R101H	.

3404	.	.	.	.	101B

3409	.	.	C101B.....	.	.
	.	.	V	.	.
	.	.	V	.	.
3413	.	.	RC101B	.	.

3424	.	.	.	101A	.

3429	.	.	C101A.....	.	.

3432	.	.	.	306G	.
	.	.	.	V	.
	.	.	.	V	.
3437	.	.	.	R306G	.

3441	.	.	.	.	306F

3446	.	.	.	C306F.....	.
	.	.	.	V	.
	.	.	.	V	.
3449	.	.	.	RC306F	.

3455	.	.	.	.	306H
	.	.	.	.	V
	.	.	.	.	V

3460	.	.	.	.	R306H	.
3464	.	.	.	.	.	306E
3469	.	.	.	C306E	.....	.
	.	.	.	V		.
	.	.	.	V		.
3472	.	.	.	RC306E		.
3478	.	.	.	.	306I	.
	.	.	.	.	V	.
	.	.	.	.	V	.
3483	.	.	.	R306I		.
3487	.	.	.	.	.	306D

3492	.	.	.	C306D	.....	.
3496	.	.	.	2C306D	.....	.
3500	.	.	.	NW174		.
	.	.	.	V		.
	.	.	.	V		.
3505	.	.	.	RNW174		.
3509	.	.	.	.	NW184-C	.

3514	.	.	.	CNW184-C	.....	.
	.	.	.	V		.
	.	.	.	V		.
3518	.	.	.	RC184-C		.
3522	.	.	.	.	NW182-C	.

3527	.	.	.	CNW182-C	.....	.
	.	.	.	V		.
	.	.	.	V		.
3531	.	.	.	RC182-C		.
3535	.	.	.	.	NW192-C	.

3540	.	.	.	CNW192-C	.....	.
	.	.	.	V		.
	.	.	.	V		.
3544	.	.	.	RC192-C		.
3550	.	.	.	.	<-----DNW205-C	.
3548	.	.	.	DNW205-C		.
	.	.	.	V		.
	.	.	.	V		.
3551	.	.	.	RDW205-C		.
3554	.	.	.	.	NW205-C	.

3559	.	.	.	CNW205-C	.....	.
	.	.	.	V		.
	.	.	.	V		.
3563	.	.	.	RCNW205-		.
3569	.	.	.	.	NW202-C	.

3574	.	.	.	CNW202-C
	.	.	.	V		.
	.	.	.	V		.
3578	.	.	.	RC202-C		.
3584	GT03B	.

3589	.	.	.	CGT03B
	.	.	.	V		.
	.	.	.	V		.
3593	.	.	.	RCGT03B		.
3599	GT03D	.

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3604 . . . . . CGT03D.....
. . . . . V
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3608 . . . . . RCGT03D
. . . . .
3614 . . . . . CC306D.....
. . . . . V
. . . . . V
3618 . . . . . RCC306D
. . . . .
3629 . . . . . GT03E
. . . . . V
. . . . . V
3634 . . . . . RGT03E
. . . . .
3643 . . . . . ELK06C
. . . . .
3648 . . . . . CELK06C.....
. . . . . V
. . . . . V
3651 . . . . . RCELK06
. . . . .
3657 . . . . . CCELK06C.....
. . . . . V
. . . . . V
3661 . . . . . RCCELK06
. . . . .
3667 . . . . . 306B
. . . . .
3672 . . . . . NLVIN.....
. . . . . V
. . . . . V
3676 . . . . . NLVDB
. . . . . V
. . . . . V
3699 . . . . . RNLVDB
. . . . .
3708 . . . . . -----> NLVDB
3705 . . . . . DNLVDB
. . . . .
3711 . . . . . NN032-C
. . . . . V
. . . . . V
3716 . . . . . LOCALDB
. . . . . V
. . . . . V
3727 . . . . . RLOCALDB
. . . . .
3733 . . . . . NN033-C
. . . . .
3738 . . . . . CNN033-C.....
. . . . . V
. . . . . V
3741 . . . . . RC033-C
. . . . .
3746 . . . . . NN034-C
. . . . . V
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3751 . . . . . RNN034-C
. . . . .
3755 . . . . . NN048-C
. . . . .
3760 . . . . . CNN048-C.....
. . . . .
3764 . . . . . NN020-C
. . . . . V
. . . . . V
3769 . . . . . RNN020-C
. . . . .
3773 . . . . . NN021-C
. . . . .
3778 . . . . . CNN021-C.....
. . . . . V
. . . . . V
3782 . . . . . RC021-C
. . . . .

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3788	NN035-C

3793	.	.	.	CNN035-C
	.	.	.	V	.
	.	.	.	V	.
3797	.	.	.	RC035-C	.

3803	.	.	.	CC048-C
	.	.	.	V	.
	.	.	.	V	.
3807	.	.	.	RCC048-C	.

3813	.	.	.	ELK06D	.

3818	.	.	.	CELK06D	.....
	.	.	.	V	.
	.	.	.	V	.
3822	.	.	.	RCELK06D	.

3828	.	.	.	ELK06E	.

3833	.	.	.	CELK06E	.....

3837	.	.	.	ELK06A	.
	.	.	.	V	.
	.	.	.	V	.
3842	.	.	.	RELK06A	.

3846	.	.	.	CCELK06E	.....
	.	.	.	V	.
	.	.	.	V	.
3849	.	.	.	RCCE06E	.

3855	.	.	.	ELK06G	.

3860	.	.	.	CELK06G	.....

3864	.	.	.	2CELK06G	.....
	.	.	.	V	.
	.	.	.	V	.
3868	.	.	.	R2ELK06G	.

3874	.	.	.	NN137-C	.

3879	.	.	.	CNN137-C	.....
	.	.	.	V	.
	.	.	.	V	.
3883	.	.	.	RC137-C	.

3889	.	.	.	NN060-C	.
	.	.	.	V	.
	.	.	.	V	.
3894	.	.	.	RNN060-C	.

3898	.	.	.	NN062-C	.

3903	.	.	.	CNN062-C	.....
	.	.	.	V	.
	.	.	.	V	.
3907	.	.	.	RC062-C	.

3913	.	.	.	NN078-C	.

3918	.	.	.	CNN078-C	.....
	.	.	.	V	.
	.	.	.	V	.
3922	.	.	.	RC078-C	.

3928	.	.	.	NN093-C	.

3933	.	.	.	CNN093-C	.....
	.	.	.	V	.
	.	.	.	V	.
3937	.	.	.	RC093-C	.

3943	.	.	.	NN089-C
	.	.	.	V
	.	.	.	V
3948	.	.	.	RNN089-C

3954	.	.	.	NN109-C

3959	.	.	.	CNN109-C.....

3963	.	.	.	CCNN109.....
	.	.	.	V
	.	.	.	V
3967	.	.	.	RCC109-C

3973	.	.	.	NN138-C

3978	.	.	.	CNN138-C.....

3982	.	.	.	NN153-C

3987	.	.	.	CNN153-C.....
	.	.	.	V
	.	.	.	V
3991	.	.	.	RC153-C

3997	.	.	.	NN081-C
	.	.	.	V
	.	.	.	V
4002	.	.	.	RNN081-C

4008	.	.	.	NN095-C

4013	.	.	.	CNN095-C.....
	.	.	.	V
	.	.	.	V
4017	.	.	.	RC095-C

4023	.	.	.	NN111-C

4028	.	.	.	CNN111-C.....
	.	.	.	V
	.	.	.	V
4032	.	.	.	RC111-C

4038	.	.	.	NN141-C

4043	.	.	.	CNN141-C.....

4047	.	.	.	2C141-C.....
	.	.	.	V
	.	.	.	V
4051	.	.	.	RC141-C

4057	.	.	.	NN156-C

4062	.	.	.	CNN156-C.....

4066	.	.	.	NN099-C
	.	.	.	V
	.	.	.	V
4071	.	.	.	RNN099-C

4075	.	.	.	NN113-C

4080	.	.	.	CNN113-C.....
	.	.	.	V
	.	.	.	V
4084	.	.	.	RC113-C

4090	.	.	.	NN142-C


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4095 . . . CNN142-C.....
. . .
4099 . C156-C.....
. . . V
. . . V
4103 . RC156-C
. . .
4109 . . . NN128-C
. . . V
. . . V
4114 . . . RNN128-C
. . .
4118 . . . NN129-C
. . . V
. . . V
4123 . . . RNN129-C
. . .
4127 . . . NN144-C
. . .
4132 . CNN144-C.....
. . . V
. . . V
4136 . RC144-C
. . .
4142 . . . NN146-C
. . .
4147 . . . NN166-C
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4152 . . . RNN166-C
. . .
4156 . CNN146-C.....
. . . V
. . . V
4160 . RC146-C
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4166 . . . NN170-C
. . .
4171 . CNN170-C.....
. . . V
. . . V
4175 . RC170-C
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4181 . . . NN175-C
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4186 . . . NN174-C
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4191 . CNN174-C.....
. . . V
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4195 . RCNN174
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4201 . . . LVW12
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4206 . CLVW12.....
. . .
4212 . -----> N
4210 . DLVW12
. . . V
. . . V
4215 . RDLVW12
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4221 . . . LV99B-7
. . .
4226 . CLV99B-7.....
. . .
4230 . 2C99B-7.....
. . .
4233 . . . OG04-C
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4241 . . . -----> DPD01
4238 . . . DOG04-C
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. . . V

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4244 . RDOG04-C
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4248 . . OG05-C
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4253 . COG05-C.....
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4257 . RCOG05-C
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4261 . . CY06B-C
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4266 . CCY06B-C.....
. V
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4270 . RCCY06B
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4276 . . <----- DCENT1
4274 . . DCENT1
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. V
4277 . . RDCENT1
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4281 . CRGOWAN.....
. V
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4285 . RCRGOWAN
. .
. .
4289 . . PD05A-C
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4294 . CPD05A-C.....
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4303 . .-----> DA1-C
4298 . DCPD05A
. V
. V
4306 . RCPD05
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4312 . . <----- DPD01
4310 . . DPD01
. V
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4313 . . RDPD01
. .
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4317 . . . PD01-C
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4322 . . CPD01-C.....
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4326 . . RCPD01
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4332 . . . CY04A-C
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4337 . . CCY04A-C.....
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4341 . . RCCY04A
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4347 . . . PD04B-C
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4352 . . CPD04B-C.....
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4356 . CCPD04BC.....
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4360 . RCPD04B
. .
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4366 . . OG03-C
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4371 . . ROG03-C
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4375 . . . OG02-C
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4380 . . . ROG02-C
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4386 . . . . . LM01-C
. . . . .
4391 . . . . . CLM01-C.....
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4395 . . . . . RCLM01-C
. . . . .
4401 . . . . . SR00A-C
. . . . .
4406 . . . . . CSR00A.....
. . . . .
4410 . . . . . CCSR00A.....
. . . . . V
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4414 . . . . . RCSR00A
. . . . .
4420 . . . . . SR02E-C
. . . . .
4425 . . . . . CSR02E.....
. . . . . V
. . . . . V
4429 . . . . . RCSR02E
. . . . .
4435 . . . . . SR05D-C
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4440 . . . . . CSR05D.....
. . . . . V
. . . . . V
4444 . . . . . RCSR05D
. . . . .
4450 . . . . . SR05B-C
. . . . .
4455 . . . . . CSR05B.....
. . . . .
4459 . . . . . CCSR05B.....
. . . . . V
. . . . . V
4463 . . . . . RCCSR05B
. . . . .
4469 . . . . . B1-C
. . . . .
4474 . . . . . CB1-C.....
. . . . . V
. . . . . V
4478 . . . . . RCB1-C
. . . . .
4484 . . . . . A1-C1
. . . . .
4491 . . . . . <----- DA1-C
4489 . . . . . DA1-C
. . . . . V
. . . . . V
4492 . . . . . RDA1-C
. . . . .
4498 . . . . . CA1-C.....
. . . . .
4501 . . . . . FN2-C
. . . . . V
. . . . . V
4506 . . . . . RFN2-C
. . . . .
4510 . . . . . CCA1-C.....
. . . . . V
. . . . . V
4514 . . . . . RCCA-1C
. . . . .
4522 . . . . . <-----DCENTRAL
4520 . . . . . DCENTRAL
. . . . . V
. . . . . V
4523 . . . . . RDCENTRA
. . . . .
4527 . . . . . FN5-C
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4532 . . . . . CFN5-C.....
4541 . . . . . -----> DR-C
4536 . . . . . DFN5-C
      . . . . . V
4544 . . . . . RDFN5-C
      . . . . . V
4550 . . . . . B3-2
      . . . . .
4555 . . . . . CB3-2.....
      . . . . . V
4559 . . . . . RCB3-2
      . . . . . V
4565 . . . . . B3-1
      . . . . .
4570 . . . . . CB3-1.....
      . . . . .
4574 . . . . . CCB3-1.....
      . . . . .
4580 . . . . . <----- DR-C
4578 . . . . . DR-C
      . . . . . V
4581 . . . . . RDR-C
      . . . . . V
4586 . . . . . R-C
      . . . . . V
4591 . . . . . RR-C
      . . . . . V
4597 . . . . . CR-C.....
      . . . . . V
4601 . . . . . RCR-C
      . . . . . V
4607 . . . . . R2-CA
      . . . . .
4612 . . . . . CR2-CA.....
      . . . . .
4616 . . . . . LM02-C
      . . . . . V
4621 . . . . . RLM02-C
      . . . . . V
4627 . . . . . LM03-C
      . . . . .
4632 . . . . . CLM03-C.....
      . . . . . V
4636 . . . . . RCLM03-C
      . . . . . V
4642 . . . . . LM05-C
      . . . . .
4647 . . . . . CLM05-C.....
      . . . . .
4651 . . . . . OG011AC2
      . . . . .
4660 . . . . . -----> OG011AD
4656 . . . . . OG011D
      . . . . . V
4663 . . . . . ROG011D
      . . . . . V
4667 . . . . . OG011A-C
      . . . . . V
4672 . . . . . ROG011A
      . . . . . V
4676 . . . . . VG02-C
      . . . . .
4681 . . . . . CVG02-C.....

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.      .      .      .      .      V
4685  .      .      .      .      .      V
.      .      .      .      .      RCVG02
.      .      .      .      .      .
4691  .      .      .      .      .      .      VG03-C
.      .      .      .      .      .
4696  .      .      .      .      .      CVG03-C.....
.      .      .      .      .      V
4700  .      .      .      .      .      V
.      .      .      .      .      RCVG03
.      .      .      .      .      .
4706  .      .      .      .      .      .      VG04-C
.      .      .      .      .      .
4711  .      .      .      .      .      CVG04-C.....
.      .      .      .      .      .
4718  .      .      .      .      .      .----->  DVG20C
4715  .      .      .      .      .      DCVG04-C
.      .      .      .      .      V
4721  .      .      .      .      .      V
.      .      .      .      .      RDCVG04C
.      .      .      .      .      .
4727  .      .      .      .      .      CCLM05-C.....
.      .      .      .      .      V
4731  .      .      .      .      .      V
.      .      .      .      .      RCCLM05C
.      .      .      .      .      .
4737  .      .      .      .      .      .      LM06B-C
.      .      .      .      .      .
4742  .      .      .      .      .      CLM06-C.....
.      .      .      .      .      V
4746  .      .      .      .      .      V
.      .      .      .      .      RCLM06
.      .      .      .      .      .
4752  .      .      .      .      .      .      LM10-C
.      .      .      .      .      .
4757  .      .      .      .      .      CLM10-C.....
.      .      .      .      .      .
4760  .      .      .      .      .      CARYLMIN.....
.      .      .      .      .      V
4764  .      .      .      .      .      V
.      .      .      .      .      CARYLMDB
.      .      .      .      .      .
4784  .      .      .      .      .      .----->  DR2
4781  .      .      .      .      .      DCAREY
.      .      .      .      .      V
4787  .      .      .      .      .      V
.      .      .      .      .      RDCAREY
.      .      .      .      .      .
4796  .      .      .      .      .      .----->  DFLOW
4793  .      .      .      .      .      DFLOW
.      .      .      .      .      .
4799  .      .      .      .      .      .      LM16A-C
.      .      .      .      .      .
4804  .      .      .      .      .      CLM16A-C.....
.      .      .      .      .      V
4808  .      .      .      .      .      V
.      .      .      .      .      RCLM16A
.      .      .      .      .      .
4814  .      .      .      .      .      .      LM14-C
.      .      .      .      .      .
4819  .      .      .      .      .      CLM14-C.....
.      .      .      .      .      V
4823  .      .      .      .      .      V
.      .      .      .      .      RCLM14
.      .      .      .      .      .
4829  .      .      .      .      .      .      LM19
.      .      .      .      .      V
4834  .      .      .      .      .      V
.      .      .      .      .      RLM19
.      .      .      .      .      .
4838  .      .      .      .      .      .      LM20-C
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4843  .      .      .      .      .      CLM20-C.....
.      .      .      .      .      V
.      .      .      .      .      V

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4993 . . . . . V
      . . . . . RCWA10NW
      . . . . .
4999 . . . . . WA13-C
      . . . . .
5004 . . . . . CWA13-C.....
      . . . . .
5013 . . . . .
5008 . . . . . -----> WA13SE
      . . . . . DCWA13
      . . . . .
5018 . . . . .
5016 . . . . . <----- LV15
      . . . . . LV15
      . . . . . V
5019 . . . . . RLV15
      . . . . . V
      . . . . .
5023 . . . . . CCWA13-C.....
      . . . . . V
      . . . . . V
5027 . . . . . RCWA13
      . . . . .
5033 . . . . . WA15A-C
      . . . . .
5038 . . . . . CWA15A-C.....
      . . . . .
5042 . . . . . VG07
      . . . . . V
5047 . . . . . RVG07
      . . . . . V
      . . . . .
5051 . . . . . CVG07.....
      . . . . . V
      . . . . . V
5055 . . . . . RCVG07
      . . . . .
5061 . . . . . WA20-C
      . . . . .
5066 . . . . . CWA20-C.....
      . . . . . V
      . . . . . V
5070 . . . . . RCWA20-C
      . . . . .
5076 . . . . . VG10-C
      . . . . .
5081 . . . . . CVG10-C.....
      . . . . .
5084 . . . . . CCVG10.....
      . . . . .
5092 . . . . . -----> DRAILRD
5088 . . . . . DCCVG10
      . . . . . V
      . . . . . V
5095 . . . . . RDCCVG10
      . . . . .
5101 . . . . . VG24-C
      . . . . .
5106 . . . . . CVG24.....
      . . . . .
5112 . . . . . <----- DRAILRD
5110 . . . . . DRAILRD
      . . . . . V
      . . . . . V
5113 . . . . . RDRAILRD
      . . . . .
      . . . . .
5119 . . . . . CCVG24.....
      . . . . . V
      . . . . . V
5123 . . . . . RCCVG24
      . . . . .
      . . . . .
5131 . . . . . <----- DR2
5129 . . . . . DR2
      . . . . .
      . . . . .
5135 . . . . . -----> DFLOW
5132 . . . . . DFLOW

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5138	.	.	V	
	.	.	V	
	.	.	RDR2	
5144	.	.	.	R2-C

5149	.	.	CR2-C.....	
	.	.	V	
	.	.	V	
5153	.	.	RCR2-C	
	.	.	.	
5159	.	.	.	S

5164	.	.	CS.....	
	.	.	V	
	.	.	V	
5168	.	.	RCS	
	.	.	.	
5174	.	.	.	S1-C

5179	.	.	CS1-C.....	
	.	.	V	
	.	.	V	
5183	.	.	RCS1-C	
	.	.	.	
5189	.	.	.	W1C2

5194	.	.	CW1C2.....	
	.	.	V	
	.	.	V	
5198	.	.	RCW1C2	
	.	.	V	
	.	.	V	
5204	.	.	RCCW1C2	
	.	.	.	
5210	.	.	LV1D-3	
	.	.	V	
	.	.	V	
5215	.	.	RLV1D-3	
	.	.	.	
5218	.	.	.	LV1D-4

5223	.	.	CLV1D-4.....	
	.	.	.	
5227	.	.	LV1D-1	
	.	.	V	
	.	.	V	
5232	.	.	RLV1D-1	
	.	.	.	
5236	.	.	.	LV1D-2

5241	.	.	CLV1D-2.....	
	.	.	V	
	.	.	V	
5245	.	.	RCLV1D-2	
	.	.	.	
5251	.	.	.	LV1D-5

5256	.	.	CLV1D-5.....	
	.	.	.	
5260	.	.	2CLV1D-5.....	
	.	.	V	
	.	.	V	
5264	.	.	RCLV1D-5	
	.	.	.	
5270	.	.	LV1E-1	
	.	.	V	
	.	.	V	
5275	.	.	RLV1E-1	
	.	.	.	
5281	.	.	.	LV1E-2

5286	.	.	CLV1E-2.....	
	.	.	V	
	.	.	V	

5290	.	.	RCLV1E-2	
	.	.		
5296	.	.		LV1E-3
	.	.		
5301	.	.	CLV1E-3.....	
	.	.		
5305	.	.	2CLV1E-3.....	
	.	.	V	
	.	.	V	
5309	.	.	RCLV1E-3	
	.	.		
5315	3C99B-7.....	.		
	.	.	V	
	.	.	V	
5319	R3C99B-7	.		
	.	.		
5325	.	.	LW1A-5	
	.	.		
5330	CHYPKIN.....	.		
	.	.	V	
	.	.	V	
5334	CHYPEAK	.		
	.	.	V	
	.	.	V	
5354	CHYPKOT	.		
	.	.		
5362	.	.	.<-----	N
5360	.	.	N	
	.	.	V	
	.	.	V	
5363	.	.	RN	
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5370	.	.		LW100
	.	.		
5375	.	.	CLW100.....	
	.	.		
5379	2CLW100.....	.		
	.	.	V	
	.	.	V	
5383	R2CLW100	.		
	.	.		
5389	.	.	LW1A-2	
	.	.	V	
	.	.	V	
5394	.	.	RLW1A-2	
	.	.		
5398	.	.		LW1A-4
	.	.		
5403	CLW1A-4.....	.		
	.	.		
5406	.	.	LW075-5	
	.	.	V	
	.	.	V	
5411	.	.	RLW075-5	
	.	.		
5417	.	.		LW075-4
	.	.		
5422	.	.	CLW075-4.....	
	.	.		
5425	2CLW1A-4.....	.		
	.	.	V	
	.	.	V	
5429	RCLW1A-4	.		
	.	.		
5435	.	.	LW1A-1	
	.	.	V	
	.	.	V	
5440	.	.	RLW1A-1	
	.	.		
5444	.	.		LW1A-3
	.	.		
5449	.	.	CLW1A-3.....	
	.	.		
5453	2CLW1A-3.....	.		

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V
V
5457 RCLW1A-3
.
.
5463 . LW64-4
.
5468 CLW64-4.....
.
5471 . A-C
. V
. V
5476 . RA-C
.
.
5480 . B-C1
.
.
5485 . CB-C.....
. V
. V
5489 . RCB-C
.
.
5495 . LV1B-1
.
.
5500 . CLV1B-1.....
. V
. V
5504 . RLV1B-1
.
.
5510 . LV1B-2
.
.
5515 . CLV1B-2.....
.
.
5519 2CLV1B-2.....
.
.
5523 . FW01
. V
. V
5528 . RFW1
.
.
5532 . FW02
.
.
5537 . CFW2.....
. V
. V
5541 . RCFW2
.
.
5545 . FW03
.
.
5550 . CFW3.....
. V
. V
5554 . RCFW3
.
.
5560 . FW5
.
.
5565 . CFW5.....
.
.
5573 . -----> DFW11
5569 . DFW5
. V
. V
5576 . RDFW5
.
.
5582 . CE2EA-C
. V
. V
5587 . RCE2EA
.
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5591 . R4C1
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5596 . CR4C1.....
. V
. V
5600 . RCR4C1
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5606 . . . . . CE2EC
      . . . . . V
      . . . . . V
5611 . . . . . RCE2EC
      . . . . .
      . . . . . CE2ED-C
5615 . . . . .
      . . . . .
      . . . . . CCE2ED-C.....
5620 . . . . .
      . . . . . -----> DCPS03
5629 . . . . . DCCE2ED
5624 . . . . . V
      . . . . . V
5632 . . . . . RDCCE2ED
      . . . . .
      . . . . . CE3FA
5636 . . . . .
      . . . . .
      . . . . . CCE3FA.....
5641 . . . . . V
      . . . . . V
5645 . . . . . RCCE3FA
      . . . . .
      . . . . . PS01-C
      . . . . . V
      . . . . . V
5651 . . . . . RPS01-C
      . . . . .
      . . . . . PS03
5656 . . . . .
      . . . . .
      . . . . . CPS03.....
5662 . . . . .
      . . . . .
      . . . . . ED01
      . . . . . V
      . . . . . V
5671 . . . . . RED01
      . . . . .
      . . . . . ED02
5676 . . . . .
      . . . . .
      . . . . . ED11
5680 . . . . .
      . . . . .
      . . . . . ED12
5685 . . . . .
      . . . . .
      . . . . . CED12.....
5690 . . . . . V
      . . . . . V
      . . . . . RCED12
5695 . . . . .
      . . . . .
      . . . . . ED13
5699 . . . . .
      . . . . .
      . . . . . CED13.....
5703 . . . . . V
      . . . . . V
      . . . . . RCED13
5708 . . . . .
      . . . . .
      . . . . . CED02.....
5712 . . . . . V
      . . . . . V
      . . . . . RCED02
5718 . . . . .
      . . . . .
      . . . . . <----- DCPS03
5722 . . . . . DCPS03
      . . . . . V
      . . . . . V
      . . . . . RDPS03
5730 . . . . .
      . . . . .
      . . . . . CCPS03.....
5735 . . . . . V
      . . . . . V
      . . . . . RCCPS03
5739 . . . . .
      . . . . .
      . . . . . PS06-C
5745 . . . . .
      . . . . .
      . . . . . CPS06.....
5750 . . . . .

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5754 . . . . . CCPS06 . . . . .
      . . . . . V
      . . . . . V
5758 . . . . . RCCPS06
      . . . . .
      . . . . .
5764 . . . . . FW09
      . . . . .
      . . . . .
5772 . . . . . -----> DSM
5769 . . . . . DSPM
      . . . . . V
      . . . . . V
5775 . . . . . RDSPM
      . . . . .
      . . . . .
5780 . . . . . CE3FD-C
      . . . . .
      . . . . .
5785 . . . . . CCE3FD-C . . . . .
      . . . . . V
      . . . . . V
5789 . . . . . RCCE3FD
      . . . . .
      . . . . .
5795 . . . . . CRCPS06 . . . . .
      . . . . . V
      . . . . . V
5799 . . . . . RRCPS06
      . . . . .
      . . . . .
5805 . . . . . PS08
      . . . . .
      . . . . .
5810 . . . . . CPS08 . . . . .
      . . . . .
      . . . . .
5814 . . . . . ED05-C
      . . . . . V
      . . . . . V
5819 . . . . . RED05-C
      . . . . .
      . . . . .
5823 . . . . . CCPS08 . . . . .
      . . . . . V
      . . . . . V
5827 . . . . . RCCPS08
      . . . . .
      . . . . .
5833 . . . . . ED10-C
      . . . . .
      . . . . .
5838 . . . . . CED10-C . . . . .
      . . . . . V
      . . . . . V
5842 . . . . . RCED10-C
      . . . . .
      . . . . .
5848 . . . . . SA06-C
      . . . . . V
      . . . . . V
5853 . . . . . RSA06-C
      . . . . .
      . . . . .
5859 . . . . . SA08
      . . . . .
      . . . . .
5864 . . . . . CSA08 . . . . .
      . . . . .
      . . . . .
5868 . . . . . CCSA08 . . . . .
      . . . . .
      . . . . .
5876 . . . . . -----> DSAHARA
5872 . . . . . DCCSA08
      . . . . . V
      . . . . . V
5879 . . . . . RCCSA08
      . . . . .
      . . . . .
5885 . . . . . CH14-C
      . . . . . V
      . . . . . V
5890 . . . . . RCH14-C
      . . . . .
      . . . . .
5894 . . . . . OK09-C
      . . . . .
      . . . . .
5899 . . . . . COK09-C . . . . .
      . . . . . V
      . . . . . V
5903 . . . . . RCOK09-C
      . . . . .
      . . . . .

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5909 . . . . . OK10
. . . . .
5914 . . . . . COK10.....
. . . . . V
. . . . . V
5918 . . . . . RCOK10
. . . . .
. . . . .
5924 . . . . . OK11-C
. . . . .
. . . . .
5929 . . . . . 1COK11C.....
. . . . .
. . . . .
5933 . . . . . COK11C.....
. . . . . V
. . . . . V
5937 . . . . . RCOK11C
. . . . .
. . . . .
5943 . . . . . WAL1
. . . . . V
. . . . . V
5948 . . . . . RWAL1
. . . . .
. . . . .
5952 . . . . . WAL2
. . . . .
. . . . .
5957 . . . . . CWAL2.....
. . . . .
. . . . .
5960 . . . . . CCWAL2.....
. . . . . V
. . . . . V
5964 . . . . . RCCWAL2
. . . . .
. . . . .
5970 . . . . . CH50
. . . . .
. . . . .
5975 . . . . . CCH50.....
. . . . .
. . . . .
5979 . . . . . CH15-C
. . . . . V
. . . . . V
5984 . . . . . RCH15-C
. . . . .
. . . . .
5988 . . . . . CH18-C
. . . . .
. . . . .
5993 . . . . . CCH18-C.....
. . . . . V
. . . . . V
5997 . . . . . RCCH18-C
. . . . .
. . . . .
6003 . . . . . AL92
. . . . .
. . . . .
6012 . . . . . DAL92-----> DAL93
6008 . . . . . DAL92
. . . . . V
. . . . . V
6015 . . . . . RDAL92
. . . . .
. . . . .
6019 . . . . . AL95-C
. . . . .
. . . . .
6024 . . . . . CAL95.....
. . . . . V
. . . . . V
6028 . . . . . RCAL95-C
. . . . .
. . . . .
6034 . . . . . CCCH18-C.....
. . . . . V
. . . . . V
6038 . . . . . RCCCH18C
. . . . .
. . . . .
6044 . . . . . CH22-C
. . . . .
. . . . .
6049 . . . . . CCH22.....
. . . . .
. . . . .
6053 . . . . . CCCH22.....
. . . . . V
. . . . . V

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6057 . . . . . RCCCH22
. . . . .
6063 . . . . . AL96-C
. . . . .
6068 . . . . . CAL96.....
. . . . . V
. . . . . V
6072 . . . . . RCAL96
. . . . .
6080 . . . . . <----- DAL93
6078 . . . . . DAL93
. . . . . V
. . . . . V
6081 . . . . . RDAL93
. . . . .
6085 . . . . . AL93-C
. . . . .
6090 . . . . . CAL93.....
. . . . .
6094 . . . . . 1-GOLF
. . . . . V
. . . . . V
6099 . . . . . R1-GOLF
. . . . .
6103 . . . . . 2a-OAK-C
. . . . .
6108 . . . . . C2a-OAK.....
. . . . . V
. . . . . V
6112 . . . . . RC2a-OAK
. . . . .
6116 . . . . . 3-ELP-C
. . . . .
6121 . . . . . C3-ELP-C.....
. . . . . V
. . . . . V
6125 . . . . . RC3-ELPC
. . . . .
6131 . . . . . 3a-OAK-C
. . . . .
6136 . . . . . C3a-OAKC.....
. . . . . V
. . . . . V
6140 . . . . . RC3aOAKC
. . . . .
6146 . . . . . 3-HOLM-C
. . . . . V
. . . . . V
6151 . . . . . R3-HOLMC
. . . . .
6157 . . . . . 5-OAK-C
. . . . .
6162 . . . . . C5-OAK-C.....
. . . . .
6166 . . . . . OAKEYIN.....
. . . . . V
. . . . . V
6170 . . . . . OAKEYDB
. . . . . V
. . . . . V
6190 . . . . . OAKEYOT
. . . . .
6196 . . . . . SA01-C
. . . . . V
. . . . . V
6201 . . . . . RSA01-C
. . . . .
6205 . . . . . SA05
. . . . .
6210 . . . . . CSA05.....
. . . . . V
. . . . . V
6214 . . . . . RCSA05
. . . . .
6220 . . . . . SA06

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6225	.	.	.	CSA06.....	.
6229	OK06-C
6234	V
	V
	.	.	.	ROK06-C	.
6238	OK07
6243	.	.	.	COK07.....	.
	V
	V
6247	.	.	.	RCOK07	.
6253	OK03-C
	.	.	.	.	V
6258	.	.	.	ROK03-C	.
6262	.	.	.	.	OK04-C
6267	.	.	.	COK04-C.....	.
	.	.	.	.	V
	.	.	.	.	V
6271	.	.	.	RCOK04-C	.
6277	.	.	.	.	OK08
6282	.	.	.	COK08.....	.
6286	.	.	.	CCOK08.....	.
	.	.	.	.	V
	.	.	.	.	V
6290	.	.	.	RCCOK08	.
6296	.	.	.	CH04-C	.
	.	.	.	.	V
6301	.	.	.	RCH04-C	.
6307	.	.	.	.	CH05-C
6312	.	.	.	CCH05-C.....	.
	.	.	.	.	V
	.	.	.	.	V
6316	.	.	.	RCCH05-C	.
6322	.	.	.	.	CH09-C
6327	.	.	.	CCH09-C.....	.
	.	.	.	.	V
	.	.	.	.	V
6331	.	.	.	RCCH09-C	.
6337	.	.	.	.	CH10
6342	.	.	.	CCH10.....	.
	.	.	.	.	V
	.	.	.	.	V
6346	.	.	.	RCCH10	.
6352	.	.	.	.	OK12
6357	.	.	.	COK12.....	.
	.	.	.	.	V
	.	.	.	.	V
6361	.	.	.	RCOK12	.
6367	.	.	.	CH14B	.
6372	.	.	.	CCH14B.....	.
	.	.	.	.	V
	.	.	.	.	V

6376	.	.	RCCH14B	.	.	.
6382	.	.	.	OK13	.	.
6387	.	.	COK13.....	.	.	.
6391	.	.	V	.	.	.
	.	.	V	.	.	.
6397	.	.	RCOK13	.	.	.
6402	.	.	.	R1	.	.
6411	.	.	.	V	.	.
6415	.	.	.	V	.	.
6420	.	.	.	PR1	.	R2
6425	.	.	.	V	.	.
6433	.	.	.	RPR1	.	.
6429	.	.	.	.	R3	.
6436	.	.	.	.	.	.
6442	.	.	.	.	.	.
6447	.	.	.	CR2.....	.	.
6451	.	.	.	.	.	.
6457	.	.	.	-----> DAL00A	.	.
6462	.	.	.	DCR2	.	.
6466	.	.	.	V	.	.
6471	.	.	.	V	.	.
6477	.	.	.	RDCR2	.	.
6481	.	.	.	.	AL01A	.
6487	.	.	.	.	.	.
6492	.	.	.	CAL01A.....	.	.
6501	.	.	.	V	.	.
6497	.	.	.	V	.	.
6504	.	.	.	RCAL01A	.	.
6508	.	.	.	.	US	.
6514	.	.	.	.	.	.
6519	.	.	.	CUS.....	.	.
6523	.	.	.	.	AL04-C	.
6529	.	.	.	.	V	.
6534	.	.	.	.	V	.
	.	.	.	.	RAL04-C	.

	.	.	.	CCUS.....	.	.
	.	.	.	V	.	.
	.	.	.	V	.	.
	.	.	.	RCCUS	.	.
	AL05-C	.

	GS

	-----> DGSR	.
	DGS	.

	.	.	.	CAL05-C.....	.	.
	.	.	.	V	.	.
	.	.	.	V	.	.
	.	.	.	RCAL05-C	.	.

	BR3	.

	.	.	.	CBR3.....	.	.
	.	.	.	V	.	.
	.	.	.	V	.	.
	.	.	.	RCBR3	.	.

	AL09-C	.
	V	.
	V	.
	RAL09-C	.


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6540 . . . . . <----- DGSR
6538 . . . . . DGSR
. . . . . V
. . . . . V
6541 . . . . . RDGSR
. . . . .
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6545 . . . . . AL11-C
. . . . .
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6550 . . . . . CAL11-C.....
. . . . . V
. . . . . V
6554 . . . . . RCAL11-C
. . . . .
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6560 . . . . . AL10-C
. . . . .
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6565 . . . . . CAL10-C.....
. . . . . V
. . . . . V
6569 . . . . . RCAL10-C
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. . . . .
6575 . . . . . AL13-3
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6580 . . . . . CAL13-3.....
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6584 . . . . . AL14
. . . . . V
. . . . . V
6589 . . . . . RAL14
. . . . .
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6593 . . . . . AL16
. . . . .
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6598 . . . . . 1CAL16.....
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6602 . . . . . AL09
. . . . . V
. . . . . V
6607 . . . . . RAL09
. . . . .
. . . . .
6611 . . . . . CH14A
. . . . .
. . . . .
6616 . . . . . CCH14A.....
. . . . . V
. . . . . V
6620 . . . . . RCCH14A
. . . . .
. . . . .
6626 . . . . . CAL16.....
. . . . . V
. . . . . V
6630 . . . . . RCAL16
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6636 . . . . . CCAL16.....
. . . . . V
. . . . . V
6640 . . . . . RCCAL16
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6646 . . . . . AL90-C
. . . . .
. . . . .
6651 . . . . . CAL90-C.....
. . . . . V
. . . . . V
6654 . . . . . RCAL90-C
. . . . .
. . . . .
6660 . . . . . MEDB
. . . . .
. . . . .
6665 . . . . . MEADOWIN.....
. . . . . V
. . . . . V
6669 . . . . . MEADOWDB
. . . . . V
. . . . . V
6692 . . . . . MEADOWOT
. . . . .
. . . . .
6700 . . . . . <----- DAL00A
6698 . . . . . DAL00A
. . . . . V
. . . . . V

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6701	.	.	.	RDAL00A	
	
6707	AL00A
	
6712	AL00A-C
	
6717	.	.	.	RAINBWIN.....	
	.	.	.	V	
	.	.	.	V	
6721	.	.	.	RAINBWDB	
	.	.	.	V	
	.	.	.	V	
6743	.	.	.	RAINBWOT	
	
6749	.	.	.	.	LC01-C
	
6754	.	.	.	CLC01-C.....	
	.	.	.	V	
	.	.	.	V	
6758	.	.	.	RCLC01-C	
	
6764	.	.	.	.	WA02-C
	
6769	.	.	.	CWA02-C.....	
	
6773	.	.	.	.	AL01B-C
	
6778	.	.	.	CCWA02-C.....	
	.	.	.	V	
	.	.	.	V	
6782	.	.	.	RCCWA02C	
	
6788	.	.	.	.	LC11-C
	
6793	.	.	.	CLC11-C.....	
	.	.	.	V	
	.	.	.	V	
6797	.	.	.	RCLC11-C	
	
6803	.	.	.	.	LC14-C
	
6808	.	.	.	CLC14-C.....	
	
6814	.	.	.	.	<----- WA10SE
6812	.	.	.	WA10SE	
	.	.	.	V	
	.	.	.	V	
6815	.	.	.	RWA10D	
	
6821	.	.	.	CCLC14-C.....	
	.	.	.	V	
	.	.	.	V	
6825	.	.	.	RCCLC14	
	
6831	.	.	.	CRMEDET.....	
	.	.	.	V	
	.	.	.	V	
6835	.	.	.	RCRMEDET	
	
6841	.	.	.	.	LC16-C
	
6848	<----- WA13SE
6846	.	.	.	WA13SE	
	.	.	.	V	
	.	.	.	V	
6849	.	.	.	RWA13D	
	
6855	.	.	.	CLC16-C.....	
	
6859	.	.	.	CCLC16-C.....	
	.	.	.	V	
	.	.	.	V	
6863	.	.	.	RCCLC16	
	

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6869 . . . LC20-C
. . .
6874 . . . CLC20-C.....
. . . V
. . . V
6878 . . . RCLC20-C
. . .
6884 . . . CCAL93.....
. . . V
. . . V
6888 . . . RCCAL93
. . .
6894 . . . LC21
. . .
6899 . . . CLC21.....
. . .
6907 . . . -----> DLVOE
6903 . . . DCLC21
. . . V
. . . V
6910 . . . RDLVOE
. . .
6916 . . . H-C1
. . .
6921 . . . CH-C1.....
. . . V
. . . V
6925 . . . RCH-C1
. . .
6931 . . . E-C
. . .
6936 . . . CE-C.....
. . . V
. . . V
6940 . . . RCE-C
. . .
6946 . . . G
. . .
6951 . . . CG.....
. . . V
. . . V
6955 . . . RCG
. . .
6961 . . . K-C1
. . .
6966 . . . CK-C1.....
. . .
6970 . . . CCK-C1.....
. . . V
. . . V
6974 . . . RCCK-C1
. . .
6982 . . . <----- DLVOE
6980 . . . DLVOE
. . . V
. . . V
6983 . . . RDCLC21
. . .
6989 . . . V1-C
. . .
6994 . . . CH59-C
. . .
7004 . . . -----> DFLAM
6999 . . . DCH59-C
. . .
7011 . . . -----> DBN03
7007 . . . DDCH59-C
. . . V
. . . V
7014 . . . RDDCH59
. . .
7019 . . . CV1-C.....
. . . V
. . . V
7023 . . . RCV1-C

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7029 . . . X-C1
. . .
7034 . CX-C1.....
. . V
. . V
7038 . RCX-C1
. .
7044 . . . M
. . . V
. . . V
7049 . . . RM
. . .
7053 . . . N-C
. . .
7058 . CN-C.....
. . V
. . V
7062 . RCN-C
. .
7068 . . . P-C
. . .
7073 . CP-C.....
. . V
. . V
7077 . RCP-C
. .
7083 . . . Q-C
. . .
7088 . CQ-C.....
. . V
. . V
7092 . RCQ-C
. .
7098 . . . LW01-C
. . .
7103 . CLW01-C.....
. .
7107 CCLVW01C.....
. . V
. . V
7111 RCCLVW01
. .
7117 . LW075-1
. . V
. . V
7122 . RLW075-1
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7126 . . . LW075-2
. . .
7131 . CLW075-2.....
. . V
. . V
7135 . RC075-1
. .
7139 . . . LW075-3
. . .
7144 . CLW075-3.....
. . V
. . V
7148 . RC075-3
. .
7154 . . . LW64-1
. . .
7159 . CLW64-1.....
. . V
. . V
7163 . RCLW64-1
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7169 . . . LW64-2
. . .
7174 . CLW64-2.....
. . V
. . V

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7178	.	RCLW64-2	.
	.	.	.
7184	.	.	LW64-3
	.	.	.
7189	.	CLW64-3.....	.
	.	V	.
	.	V	.
7193	.	RCLW64-3	.
	.	.	.
7199	.	.	OA02
	.	.	.
7204	.	COA02.....	.
	.	V	.
	.	V	.
7208	.	RCOA02	.
	.	.	.
7214	.	.	LVW03
	.	.	.
7219	.	CLVW03.....	.
	.	.	.
7223	CCLVW03.....	.	.
	V	.	.
	V	.	.
7227	RCCLVW03	.	.
	.	.	.
7233	.	LVW04-C	.
	.	.	.
7238	CLVW04-C.....	.	.
	V	.	.
	V	.	.
7242	RCLVW04	.	.
	.	.	.
7252	.	NEL02-C	.
	.	.	.
7261	CCBN15-C.....	.	.
	V	.	.
	V	.	.
7266	RRCLVW04	.	.
	.	.	.
7273	.	CA03	.
	.	V	.
	.	V	.
7278	.	RCA03	.
	.	.	.
7282	.	.	CA04-C
	.	.	.
7287	.	CCA04.....	.
	.	V	.
	.	V	.
7291	.	RCCA04	.
	.	.	.
7297	.	.	CA05
	.	.	.
7302	.	CCA05.....	.
	.	V	.
	.	V	.
7306	.	RCCA05	.
	.	.	.
7312	.	.	CA06-C
	.	.	.
7317	.	CCA06.....	.
	.	V	.
	.	V	.
7321	.	RCCA06	.
	.	.	.
7327	.	.	CA08-C
	.	.	.
7332	.	CCA08-C.....	.
	.	V	.
	.	V	.
7336	.	RCCA08-C	.
	.	.	.
7342	.	.	CA10-C
	.	.	.

7350	.	.	.	BN06-C	
7355	.	.	.		BN03-C
7362	.	.	.		.
7360	.	.	.		.<----- DBN03
	.	.	.		DBN03
	.	.	.		V
7363	.	.	.		V
	.	.	.		RDBN03

7367	.	.	.	CBN03	.....
	.	.	.	V	
	.	.	.	V	
7371	.	.	.	RCBN03	
	.	.	.		
7377	.	.	.		BN08

7382	.	.	.	CBN08	.....
	.	.	.	V	
	.	.	.	V	
7386	.	.	.	RCBN08	
	.	.	.		
	.	.	.		
7392	.	.	.		BN09

7397	.	.	.	CBN09	.....
	.	.	.	V	
	.	.	.	V	
7401	.	.	.	RCBN09	
	.	.	.		
	.	.	.		
7407	.	.	.		BN10-C

7412	.	.	.	CBN10-C	.....
	.	.	.	V	
	.	.	.	V	
7416	.	.	.	RCBN10-C	
	.	.	.		
	.	.	.		
7422	.	.	.		BN12-C

7427	.	.	.	CBN12-C	.....
	.	.	.	V	
	.	.	.	V	
7431	.	.	.	RCBN12-C	
	.	.	.		
	.	.	.		
7437	.	.	.		BN15-C

7442	.	.	.	CBN15-C	.....
	.	.	.	V	
	.	.	.	V	
7446	.	.	.	RTCBN15-	
	.	.	.		
	.	.	.		
7453	.	.	.	CCA10-C	.....
	.	.	.		
	.	.	.		
7457	CCCA10-C	.....		
	V				
	V				
7462	RCCA10C				
	.				
	.				
7468	.	ST01-C			
	.	V			
	.	V			
7473	.	RST01-C			
	.	.			
	.	.			
7477	.	.	ST03-C		
	.	.	.		
	.	.	.		
7482	.	.	CST03-C	.....
	.	.	.		
	.	.	.		
7486	CCST03-C	.....		
	.				
	.				
7491	.	321A-1			
	.	V			
	.	V			
7496	.	R321A-1			
	.	.			
	.	.			

7500	.	.	321A-2	.

7505	.	C321A-2	.....	.
	.	V		.
	.	V		.
7509	.	RC321A-2		.

7515	.	.	321A-3	.

7520	.	C321A-3	.....	.
	.	V		.
	.	V		.
7524	.	RC321A-3		.

7530	.	.	LV53-2	.

7535	.	CLV53-2	.....	.
	.	V		.
	.	V		.
7539	.	RCLW53-2		.

7545	.	.	OA03-C	.

7550	.	COA03-C	.....	.
	.	V		.
	.	V		.
7554	.	RCOA03-C		.

7560	.	.	NEL01-C	.

7565	.	CNEL01-C	.....	.
	.	V		.
	.	V		.
7569	.	RCNEL01C		.

7575	.	.	NEL04-C1	.

7582	.	CNEL02-C	.....	.
	.	V		.
	.	V		.
7586	.	RCNEL02C		.

7592	.	CNEL02C1	.....	.
	.	V		.
	.	V		.
7597	.	RCCST03C		.

7603	.	NEL04-C2		.

7610	.	.	CH70-C	.

7615	.	.	.	CH73

7620	.	.	CCH73-C	.....
	.	.	V	.
	.	.	V	.
7624	.	.	RCH73	

7628	.	.	.	CH75-C

7633	.	.	CCH75-C

7637	.	.	.	CH76

7642	.	.	CCH76
	.	.	V	.
	.	.	V	.
7646	.	.	RCCH76	

7652	.	.	.	CH77-C

7657	.	.	CCH77-C


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7661 CNEL04-2 .....
      V
      V
7665 RCNEL04
      .
7671 . CH91-C
      . V
      . V
7676 . RCH91-C
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7680 . CH92-C
      .
7685 . CCH92-C .....
      . V
      . V
7689 . RCH92-C
      .
7695 . CH93
      . V
7700 . RCH93
      .
7704 . CH94
      .
7709 . CCH94 .....
      .
7713 . CCCH94 .....
      . V
      . V
7717 . RCCCH94
      .
7723 . NEL06-C
      .
7728 . CNEL06 .....
      .
7732 CCNEL06 .....
      . V
      . V
7736 RCNEL06
      .
7742 . FW35
      .
7747 CNLWY .....
      . V
7751 RCNLWY
      .
7757 . 324-9
      . V
7762 . R324-9
      .
7766 . 324-8
      .
7771 . C324-8 .....
      . V
7774 . RC324-8
      .
7778 . 324-7
      .
7783 . C324-7 .....
      . V
7786 . RC324-7
      .
7790 . 324-6
      .
7795 . C324-6 .....
      . V
7798 . RC324-6
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7804 . 324-5

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7809 . . . . . C324-5.....
. . . . . V
. . . . . V
7812 . . . . . RC324-5
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7818 . . . . . 326B-3
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7823 . . . . . C326B3.....
. . . . .
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7827 . . . . . NEL05
. . . . .
. . . . .
7832 . . . . . 2C326B3.....
. . . . .
. . . . .
7835 . . . . . CLVCH.....
. . . . . V
. . . . . V
7839 . . . . . RCLVCH
. . . . .
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7845 . . . . . FW37
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7850 . . . . . CFW37.....

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(***) RUNOFF ALSO COMPUTED AT THIS LOCATION

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1*****
*
* FLOOD HYDROGRAPH PACKAGE (HEC-1) *
* JUN 1998 *
* VERSION 4.1 *
*
* RUN DATE 25AUG13 TIME 11:58:08 *
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*
* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET *
* DAVIS, CALIFORNIA 95616 *
* (916) 756-1104 *
*
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THIS HEC-1 IS MODIFIED FROM THE ORIGINAL MPU HEC-1 CLVWASH5.DAT:
DISCHARGE LOCATIONS FOR BOTH MPU FACILITIES LVBZ AND LVNE
INTO THE LAS VEGAS WASH WERE REVISED AS FOLLOWS.

THE REVISED DISCHARGE LOCATION FOR LVBZ IS CEDAR AVE. CHANNEL.
BASINS, ROUTES, ETC. CONTRIBUTING TO COMBINATION POINT CNB15-C
(FACILITY LVBZ 0000) WERE ROUTED SOUTH IN MARION TO COMBINE WITH THE
CEDAR AVENUE CHANNEL (FACILITY CACH 0000) AT CCA10-C

THE REVISED DISCHARGE LOCATION FOR LVNE IS SOUTH OF STEWART AVE BRIDGE.
WITH THE EXCEPTION OF NEL02-C,
BASINS, ID ROUTES, ETC. CONTRIBUTING TO COMBINATION POINT CNEL02-C
(FACILITY LVNE 0000) WERE ROUTED SOUTH TO COMBINE IN THE
LAS VEGAS WASH AFTER COMBINATION POINT CCST03-C, SOUTH OF STEWART AVENUE.
BASED ON ITS LOCATION, BASIN NEL02-C IS MODELED AS DISCHARGING TO THE
LAS VEGAS WASH AT BONANZA RD (ITS ORIGINAL DISCHARGE LOCATION)
THE MPU BASIN NEL04-C IS EAST OF THE WASH BETWEEN BONANZA AND CHARLESTON;
THEREFORE, THE BASIN WAS SPLIT AT STEWART.
NEL04-C1 (THE NORTH HALF OF THE NEL04-C) WAS COMBINED WITH FLOW IN LVNE
NEL04-C2 (THE SOUTH HALF) CONTINES TO CHARLESTON AS IN THE ORIGINAL MODEL

INPUT FILE NAME = CLVWASH5_LVBZATCEDARLVNEATSTEWART.DAT
REVISIONS BY V FLOCK, STANLEY CONSULTANTS, INC., JULY 2013
CHECKED BY H MURVOSH, STANLEY CONSULTANTS, INC., JULY 2013
REFERENCES:
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT 2008 MASTER PLAN UPDATE
LAS VEGAS WASH THROUGH THE CENTRAL WATERSHED
RECOMMENDED DRAINAGE SYSTEM WITH ULTIMATE DEVELOPMENT
MPU 2008 INPUT FILE = CLVWASH5.DAT
MPU 2008 INPUT FILE DATE = 06/10/08
DESIGN STORM = 100-YEAR 6-HOUR STORM
STORM DISTRIBUTION = SDN5
MODELED BY = PBS&J - HARSHAL DESAI, P.E, CFM
STORM CENTERING =
DOWNSTREAM OF THE UPPER LAS VEGAS WASH, KYLE CANYON, NORTH LAS VEGAS,
GOWAN NORTH, AND CAREY/LAKE MEAD DETENTION BASIN.

JR CARDS CONTAIN DARFS BASED ON THE FOLLOWING VALUES:

AREA (SQUARE MILES)	DARF
90 - 100	0.608
100 - 125	0.5875
125 - 150	0.5625
150 - 175	0.54
175 - 200	0.52

HYDROGRAPH AT STATION ELKBASIN						
FOR PLAN 1, RATIO = .59						
PEAK FLOW	TIME		6-HR	24-HR	72-HR	24.92-HR
+	(CFS)	(HR)				
		(CFS)				
+	69.	5.50	47.	14.	13.	13.
		(INCHES)	.517	.615	.615	.615
		(AC-FT)	23.	28.	28.	28.
PEAK STORAGE	TIME		6-HR	24-HR	72-HR	24.92-HR
+	(AC-FT)	(HR)				
+	16.	5.50	10.	3.	3.	3.
PEAK STAGE	TIME		6-HR	24-HR	72-HR	24.92-HR
+	(FEET)	(HR)				
+	2392.28	5.50	2390.77	2388.82	2388.79	2388.79
CUMULATIVE AREA =			.84 SQ MI			

HYDROGRAPH AT STATION ELKBASIN						
FOR PLAN 1, RATIO = .56						
PEAK FLOW	TIME		6-HR	24-HR	72-HR	24.92-HR
+	(CFS)	(HR)				
		(CFS)				
+	65.	5.50	43.	13.	12.	12.
		(INCHES)	.478	.566	.566	.566
		(AC-FT)	21.	25.	25.	25.
PEAK STORAGE	TIME		6-HR	24-HR	72-HR	24.92-HR
+	(AC-FT)	(HR)				
+	14.	5.50	9.	3.	3.	3.
PEAK STAGE	TIME		6-HR	24-HR	72-HR	24.92-HR
+	(FEET)	(HR)				
+	2391.97	5.50	2390.54	2388.75	2388.72	2388.72
CUMULATIVE AREA =			.84 SQ MI			

HYDROGRAPH AT STATION ELKBASIN						
FOR PLAN 1, RATIO = .54						
PEAK FLOW	TIME		6-HR	24-HR	72-HR	24.92-HR
+	(CFS)	(HR)				
		(CFS)				
+	61.	5.50	40.	12.	11.	11.
		(INCHES)	.443	.523	.523	.523
		(AC-FT)	20.	23.	23.	23.
PEAK STORAGE	TIME		6-HR	24-HR	72-HR	24.92-HR
+	(AC-FT)	(HR)				
+	13.	5.50	8.	2.	2.	2.
PEAK STAGE	TIME		6-HR	24-HR	72-HR	24.92-HR
+	(FEET)	(HR)				
+	2391.67	5.50	2390.34	2388.68	2388.66	2388.66
CUMULATIVE AREA =			.84 SQ MI			

HYDROGRAPH AT STATION ELKBASIN						
FOR PLAN 1, RATIO = .52						
PEAK FLOW	TIME		6-HR	24-HR	72-HR	24.92-HR
+	(CFS)	(HR)				
		(CFS)				
+	57.	5.50	37.	11.	11.	11.
		(INCHES)	.413	.485	.485	.485
		(AC-FT)	19.	22.	22.	22.
PEAK STORAGE	TIME		6-HR	24-HR	72-HR	24.92-HR
+	(AC-FT)	(HR)				

12.	5.50	8.	2.	2.	2.
PEAK STAGE	TIME		MAXIMUM AVERAGE STAGE		
		6-HR	24-HR	72-HR	24.92-HR
+ (FEET)	(HR)				
2391.42	5.50	2390.17	2388.63	2388.61	2388.61
CUMULATIVE AREA =			.84 SQ MI		

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*           *
2298 KK    *   RAMDET *
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2301 KO    OUTPUT CONTROL VARIABLES
           IPRNT      3  PRINT CONTROL
           IPLOT      0  PLOT CONTROL
           QSCAL      0. HYDROGRAPH PLOT SCALE

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HYDROGRAPH ROUTING DATA

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2302 RS    STORAGE ROUTING
           NSTPS      1  NUMBER OF SUBREACHES
           ITYP      STOR  TYPE OF INITIAL CONDITION
           RSVRIC    -1.00 INITIAL CONDITION
           X          .00 WORKING R AND D COEFFICIENT

2303 SV    STORAGE      .0      .0      .0      .1      .7      2.7      2.8      5.5      5.9
2304 SE    ELEVATION    .00     2.00   4.00   6.00   8.00   9.70   10.00  12.00  12.50
2305 SQ    DISCHARGE    0.     17.    42.    56.    68.    77.    87.    257.   318.

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HYDROGRAPH AT STATION RAMDET
FOR PLAN 1, RATIO = .61

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW		
		6-HR	24-HR	72-HR	24.92-HR
+ (CFS)	(HR)				
		(CFS)			
+ 72.	4.33	31.	8.	7.	7.
		(INCHES)	.806	.809	.809
		(AC-FT)	15.	15.	15.
PEAK STORAGE	TIME		MAXIMUM AVERAGE STORAGE		
		6-HR	24-HR	72-HR	24.92-HR
+ (AC-FT)	(HR)				
1.	4.33	0.	0.	0.	0.
PEAK STAGE	TIME		MAXIMUM AVERAGE STAGE		
		6-HR	24-HR	72-HR	24.92-HR
+ (FEET)	(HR)				
8.67	4.33	3.38	.84	.81	.81
CUMULATIVE AREA =			.35 SQ MI		

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HYDROGRAPH AT STATION RAMDET
FOR PLAN 1, RATIO = .59

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW		
		6-HR	24-HR	72-HR	24.92-HR
+ (CFS)	(HR)				
		(CFS)			
+ 70.	4.25	29.	7.	7.	7.
		(INCHES)	.761	.763	.763
		(AC-FT)	14.	14.	14.
PEAK STORAGE	TIME		MAXIMUM AVERAGE STORAGE		
		6-HR	24-HR	72-HR	24.92-HR
+ (AC-FT)	(HR)				
1.	4.25	0.	0.	0.	0.
PEAK STAGE	TIME		MAXIMUM AVERAGE STAGE		
		6-HR	24-HR	72-HR	24.92-HR
+ (FEET)	(HR)				
8.45	4.25	3.17	.79	.76	.76
CUMULATIVE AREA =			.35 SQ MI		

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HYDROGRAPH AT STATION RAMDET
FOR PLAN 1, RATIO = .56

PEAK FLOW	TIME		6-HR	24-HR	72-HR	24.92-HR
+ (CFS)	(HR)	(CFS)				
+ 69.	4.25		27.	7.	6.	6.
		(INCHES)	.707	.708	.708	.708
		(AC-FT)	13.	13.	13.	13.

PEAK STORAGE	TIME		6-HR	24-HR	72-HR	24.92-HR
+ (AC-FT)	(HR)					
+ 1.	4.25		0.	0.	0.	0.

PEAK STAGE	TIME		6-HR	24-HR	72-HR	24.92-HR
+ (FEET)	(HR)					
+ 8.21	4.25		2.89	.72	.70	.70

CUMULATIVE AREA = .35 SQ MI

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HYDROGRAPH AT STATION RAMDET
FOR PLAN 1, RATIO = .54

PEAK FLOW	TIME		6-HR	24-HR	72-HR	24.92-HR
+ (CFS)	(HR)	(CFS)				
+ 68.	4.17		25.	6.	6.	6.
		(INCHES)	.657	.659	.659	.659
		(AC-FT)	12.	12.	12.	12.

PEAK STORAGE	TIME		6-HR	24-HR	72-HR	24.92-HR
+ (AC-FT)	(HR)					
+ 1.	4.17		0.	0.	0.	0.

PEAK STAGE	TIME		6-HR	24-HR	72-HR	24.92-HR
+ (FEET)	(HR)					
+ 8.01	4.17		2.75	.69	.66	.66

CUMULATIVE AREA = .35 SQ MI

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HYDROGRAPH AT STATION RAMDET
FOR PLAN 1, RATIO = .52

PEAK FLOW	TIME		6-HR	24-HR	72-HR	24.92-HR
+ (CFS)	(HR)	(CFS)				
+ 65.	4.17		23.	6.	6.	6.
		(INCHES)	.616	.617	.617	.617
		(AC-FT)	12.	12.	12.	12.

PEAK STORAGE	TIME		6-HR	24-HR	72-HR	24.92-HR
+ (AC-FT)	(HR)					
+ 1.	4.17		0.	0.	0.	0.

PEAK STAGE	TIME		6-HR	24-HR	72-HR	24.92-HR
+ (FEET)	(HR)					
+ 7.58	4.17		2.44	.61	.59	.59

CUMULATIVE AREA = .35 SQ MI

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* *
2586 KK * LOSPRAD *
* *

2589 KO OUTPUT CONTROL VARIABLES
IPRNT 3 PRINT CONTROL
IPLOT 0 PLOT CONTROL
QSCAL 0. HYDROGRAPH PLOT SCALE

HYDROGRAPH ROUTING DATA

2590 RS STORAGE ROUTING
 NSTPS 1 NUMBER OF SUBREACHES
 ITYP STOR TYPE OF INITIAL CONDITION
 RSVRIC .00 INITIAL CONDITION
 X .00 WORKING R AND D COEFFICIENT

2591 SV STORAGE .0 .1 .8 2.2 4.3 7.0 9.9 12.8 15.8

2592 SE ELEVATION 20.26 21.00 22.00 23.00 24.00 25.00 25.25 25.50 26.00

2593 SL LOW-LEVEL OUTLET
 ELEV 20.26 ELEVATION AT CENTER OF OUTLET
 CAREA 6.28 CROSS-SECTIONAL AREA
 COQL .60 COEFFICIENT
 EXPL .50 EXPONENT OF HEAD

2594 SS SPILLWAY
 CREL 25.15 SPILLWAY CREST ELEVATION
 SPWID 280.00 SPILLWAY WIDTH
 COQW 3.00 WEIR COEFFICIENT
 EXPW 1.50 EXPONENT OF HEAD

COMPUTED OUTFLOW-ELEVATION DATA

OUTFLOW	.00	35.01	37.22	39.74	42.62	45.94	49.84	54.45	60.01	66.83
ELEVATION	20.26	21.60	21.78	21.99	22.25	22.57	22.98	23.51	24.20	25.15
OUTFLOW	67.66	72.71	85.88	111.02	152.02	212.77	297.13	408.98	552.20	730.68
ELEVATION	25.16	25.19	25.23	25.29	25.37	25.46	25.57	25.70	25.84	26.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.14	.51	.61	.74	.75	1.10	1.55	2.12	2.15
OUTFLOW	.00	26.00	35.01	37.22	39.74	39.86	42.62	45.94	49.84	50.02
ELEVATION	20.26	21.00	21.60	21.78	21.99	22.00	22.25	22.57	22.98	23.00
STORAGE	3.26	4.35	4.89	7.03	8.75	9.16	9.65	9.89	10.34	11.23
OUTFLOW	54.45	58.44	60.01	65.79	66.83	72.71	85.88	94.07	111.02	152.02
ELEVATION	23.51	24.00	24.20	25.00	25.15	25.19	25.23	25.25	25.29	25.37
STORAGE	12.32	12.80	13.21	13.97	14.84	15.80				
OUTFLOW	212.77	243.11	297.13	408.98	552.20	730.68				
ELEVATION	25.46	25.50	25.57	25.70	25.84	26.00				

HYDROGRAPH AT STATION LOSPRAD
 FOR PLAN 1, RATIO = .61

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)		6-HR	24-HR	72-HR	24.92-HR
+	45.	4.00	18.	4.	4.	4.
			(INCHES)	.702	.702	.702
			(AC-FT)	9.	9.	9.
PEAK STORAGE	TIME		MAXIMUM AVERAGE STORAGE			
(AC-FT)	(HR)		6-HR	24-HR	72-HR	24.92-HR
+	1.	4.00	0.	0.	0.	0.
PEAK STAGE	TIME		MAXIMUM AVERAGE STAGE			
(FEET)	(HR)		6-HR	24-HR	72-HR	24.92-HR
+	22.49	4.00	20.98	20.44	20.43	20.43

CUMULATIVE AREA = .23 SQ MI

HYDROGRAPH AT STATION LOSPRAD
 FOR PLAN 1, RATIO = .59

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)		6-HR	24-HR	72-HR	24.92-HR
+	44.	4.00	17.	4.	4.	4.
			(INCHES)	.660	.660	.660
			(AC-FT)	8.	8.	8.
PEAK STORAGE	TIME		MAXIMUM AVERAGE STORAGE			
(AC-FT)	(HR)		6-HR	24-HR	72-HR	24.92-HR
+	1.	4.00	0.	0.	0.	0.
PEAK STAGE	TIME		MAXIMUM AVERAGE STAGE			
(FEET)	(HR)		6-HR	24-HR	72-HR	24.92-HR
+	22.38	4.00	20.92	20.42	20.42	20.42

CUMULATIVE AREA = .23 SQ MI

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HYDROGRAPH AT STATION LOSPRAD
FOR PLAN 1, RATIO = .56

PEAK FLOW	TIME		6-HR	24-HR	72-HR	24.92-HR
+ (CFS)	(HR)	(CFS)				
+ 43.	4.00		15.	4.	4.	4.
		(INCHES)	.609	.609	.609	.609
		(AC-FT)	8.	8.	8.	8.
PEAK STORAGE	TIME		6-HR	24-HR	72-HR	24.92-HR
+ (AC-FT)	(HR)					
+ 1.	4.00		0.	0.	0.	0.
PEAK STAGE	TIME		6-HR	24-HR	72-HR	24.92-HR
+ (FEET)	(HR)					
+ 22.24	4.00		20.84	20.40	20.40	20.40

CUMULATIVE AREA = .23 SQ MI

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HYDROGRAPH AT STATION LOSPRAD
FOR PLAN 1, RATIO = .54

PEAK FLOW	TIME		6-HR	24-HR	72-HR	24.92-HR
+ (CFS)	(HR)	(CFS)				
+ 41.	3.92		14.	4.	3.	3.
		(INCHES)	.564	.564	.564	.564
		(AC-FT)	7.	7.	7.	7.
PEAK STORAGE	TIME		6-HR	24-HR	72-HR	24.92-HR
+ (AC-FT)	(HR)					
+ 1.	3.92		0.	0.	0.	0.
PEAK STAGE	TIME		6-HR	24-HR	72-HR	24.92-HR
+ (FEET)	(HR)					
+ 22.12	3.92		20.78	20.39	20.38	20.38

CUMULATIVE AREA = .23 SQ MI

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HYDROGRAPH AT STATION LOSPRAD
FOR PLAN 1, RATIO = .52

PEAK FLOW	TIME		6-HR	24-HR	72-HR	24.92-HR
+ (CFS)	(HR)	(CFS)				
+ 40.	3.92		13.	3.	3.	3.
		(INCHES)	.525	.525	.525	.525
		(AC-FT)	7.	7.	7.	7.
PEAK STORAGE	TIME		6-HR	24-HR	72-HR	24.92-HR
+ (AC-FT)	(HR)					
+ 1.	3.92		0.	0.	0.	0.
PEAK STAGE	TIME		6-HR	24-HR	72-HR	24.92-HR
+ (FEET)	(HR)					
+ 22.03	3.92		20.72	20.38	20.37	20.37

CUMULATIVE AREA = .23 SQ MI

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* *
3716 KK * LOCALDB *
* *

3721 KO OUTPUT CONTROL VARIABLES
IPRNT 3 PRINT CONTROL

IPLOT 1 PLOT CONTROL
 QSCAL 0. HYDROGRAPH PLOT SCALE

HYDROGRAPH ROUTING DATA

3722 RS STORAGE ROUTING
 NSTPS 1 NUMBER OF SUBREACHES
 ITYP STOR TYPE OF INITIAL CONDITION
 RSVRIC -1.00 INITIAL CONDITION
 X .00 WORKING R AND D COEFFICIENT

3723 SV STORAGE .0 .0 .0 .0 .0 .0 6.8 14.0 21.6 29.7

3724 SE ELEVATION .00 2.00 4.00 5.00 5.99 6.00 8.00 10.00 12.00 14.00

3725 SL LOW-LEVEL OUTLET
 ELEVEL 2.00 ELEVATION AT CENTER OF OUTLET
 CAREA 11.04 CROSS-SECTIONAL AREA
 COQL .65 COEFFICIENT
 EXPL .50 EXPONENT OF HEAD

3726 SS SPILLWAY
 CREL 10.00 SPILLWAY CREST ELEVATION
 SPWID 60.00 SPILLWAY WIDTH
 COQW 3.00 WEIR COEFFICIENT
 EXPW 1.50 EXPONENT OF HEAD

COMPUTED OUTFLOW-ELEVATION DATA

OUTFLOW	.00	.00	77.85	84.12	91.49	100.27	110.92	124.10	140.83	162.78
ELEVATION	.00	2.00	3.83	4.14	4.53	5.04	5.71	6.65	7.99	10.00
OUTFLOW	165.64	178.98	210.96	269.72	363.39	500.07	687.90	934.98	1249.43	1639.36
ELEVATION	10.05	10.19	10.39	10.68	11.04	11.48	11.99	12.58	13.25	14.00

COMPUTED STORAGE-OUTFLOW-ELEVATION DATA

STORAGE	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01
OUTFLOW	.00	.00	77.85	81.39	84.12	91.49	99.68	100.27	110.92	114.96
ELEVATION	.00	2.00	3.83	4.00	4.14	4.53	5.00	5.04	5.71	5.99
STORAGE	.03	2.22	6.73	6.77	13.96	14.17	14.67	15.46	16.54	17.93
OUTFLOW	115.10	124.10	140.83	140.97	162.78	165.64	178.98	210.96	269.72	363.39
ELEVATION	6.00	6.65	7.99	8.00	10.00	10.05	10.19	10.39	10.68	11.04
STORAGE	19.60	21.57	23.97	26.68	29.71					
OUTFLOW	500.07	687.90	934.98	1249.43	1639.36					
ELEVATION	11.48	11.99	12.58	13.25	14.00					

*** WARNING *** MODIFIED PULS ROUTING MAY BE NUMERICALLY UNSTABLE FOR OUTFLOWS BETWEEN 0. TO 115.
 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.)

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HYDROGRAPH AT STATION LOCALDB
 FOR PLAN 1, RATIO = .61

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.92-HR
+ (CFS)	(HR)	(CFS)				
+ 66.	3.75	17.	4.	4.	4.	
		(INCHES)	.841	.843	.843	.843
		(AC-FT)	9.	9.	9.	9.

PEAK STORAGE	TIME		MAXIMUM AVERAGE STORAGE			
			6-HR	24-HR	72-HR	24.92-HR
+ (AC-FT)	(HR)					
+ 0.	3.67	0.	0.	0.	0.	0.
PEAK STAGE	TIME		MAXIMUM AVERAGE STAGE			
			6-HR	24-HR	72-HR	24.92-HR
+ (FEET)	(HR)					
+ 3.54	3.75	2.41	2.10	2.10	2.10	2.10

CUMULATIVE AREA = .19 SQ MI

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HYDROGRAPH AT STATION LOCALDB
 FOR PLAN 1, RATIO = .59

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.92-HR
+ (CFS)	(HR)	(CFS)				
+ 62.	3.75	16.	4.	4.	4.	
		(INCHES)	.795	.796	.796	.796

		(AC-FT)	8.	8.	8.	8.
PEAK STORAGE	TIME			MAXIMUM AVERAGE STORAGE		
+ (AC-FT)	(HR)		6-HR	24-HR	72-HR	24.92-HR
			0.	0.	0.	0.

PEAK STAGE	TIME			MAXIMUM AVERAGE STAGE		
+ (FEET)	(HR)		6-HR	24-HR	72-HR	24.92-HR
			2.39	2.10	2.09	2.09

CUMULATIVE AREA = .19 SQ MI

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HYDROGRAPH AT STATION LOCALDB
FOR PLAN 1, RATIO = .56

PEAK FLOW	TIME			MAXIMUM AVERAGE FLOW		
+ (CFS)	(HR)		6-HR	24-HR	72-HR	24.92-HR
		(CFS)				
+ 58.	3.75		15.	4.	4.	4.
		(INCHES)	.740	.741	.741	.741
		(AC-FT)	8.	8.	8.	8.

PEAK STORAGE	TIME			MAXIMUM AVERAGE STORAGE		
+ (AC-FT)	(HR)		6-HR	24-HR	72-HR	24.92-HR
			0.	0.	0.	0.

PEAK STAGE	TIME			MAXIMUM AVERAGE STAGE		
+ (FEET)	(HR)		6-HR	24-HR	72-HR	24.92-HR
			2.36	2.09	2.09	2.09

CUMULATIVE AREA = .19 SQ MI

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HYDROGRAPH AT STATION LOCALDB
FOR PLAN 1, RATIO = .54

PEAK FLOW	TIME			MAXIMUM AVERAGE FLOW		
+ (CFS)	(HR)		6-HR	24-HR	72-HR	24.92-HR
		(CFS)				
+ 54.	3.75		14.	4.	3.	3.
		(INCHES)	.690	.691	.691	.691
		(AC-FT)	7.	7.	7.	7.

PEAK STORAGE	TIME			MAXIMUM AVERAGE STORAGE		
+ (AC-FT)	(HR)		6-HR	24-HR	72-HR	24.92-HR
			0.	0.	0.	0.

PEAK STAGE	TIME			MAXIMUM AVERAGE STAGE		
+ (FEET)	(HR)		6-HR	24-HR	72-HR	24.92-HR
			2.34	2.08	2.08	2.08

CUMULATIVE AREA = .19 SQ MI

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HYDROGRAPH AT STATION LOCALDB
FOR PLAN 1, RATIO = .52

PEAK FLOW	TIME			MAXIMUM AVERAGE FLOW		
+ (CFS)	(HR)		6-HR	24-HR	72-HR	24.92-HR
		(CFS)				
+ 51.	3.75		13.	3.	3.	3.
		(INCHES)	.647	.648	.648	.648
		(AC-FT)	7.	7.	7.	7.

PEAK STORAGE	TIME			MAXIMUM AVERAGE STORAGE		
+ (AC-FT)	(HR)		6-HR	24-HR	72-HR	24.92-HR
			0.	0.	0.	0.

PEAK STAGE	TIME			MAXIMUM AVERAGE STAGE		
+ (FEET)	(HR)		6-HR	24-HR	72-HR	24.92-HR
			2.31	2.08	2.08	2.08

CUMULATIVE AREA = .19 SQ MI

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* *
7261 KK * CCBN15-C *
* *

7265 KO OUTPUT CONTROL VARIABLES
IPRNT 1 PRINT CONTROL
IPLOT 0 PLOT CONTROL
QSCAL 0. HYDROGRAPH PLOT SCALE

7264 HC HYDROGRAPH COMBINATION
ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION CCBN15-C
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .61

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	0000	1	1.	1.	*	1	0615	76	9278.	*	1	1230	151	243.	*	1	1845	226	172.	*			
1	0005	2	1.	1.	*	1	0620	77	9077.	*	1	1235	152	240.	*	1	1850	227	172.	*			
1	0010	3	1.	1.	*	1	0625	78	8886.	*	1	1240	153	238.	*	1	1855	228	171.	*			
1	0015	4	1.	1.	*	1	0630	79	8703.	*	1	1245	154	236.	*	1	1900	229	171.	*			
1	0020	5	1.	1.	*	1	0635	80	8526.	*	1	1250	155	233.	*	1	1905	230	170.	*			
1	0025	6	1.	1.	*	1	0640	81	8356.	*	1	1255	156	231.	*	1	1910	231	170.	*			
1	0030	7	1.	1.	*	1	0645	82	8191.	*	1	1300	157	229.	*	1	1915	232	170.	*			
1	0035	8	1.	1.	*	1	0650	83	8032.	*	1	1305	158	227.	*	1	1920	233	169.	*			
1	0040	9	1.	1.	*	1	0655	84	7880.	*	1	1310	159	225.	*	1	1925	234	169.	*			
1	0045	10	1.	1.	*	1	0700	85	7736.	*	1	1315	160	224.	*	1	1930	235	168.	*			
1	0050	11	1.	1.	*	1	0705	86	7599.	*	1	1320	161	222.	*	1	1935	236	168.	*			
1	0055	12	3.	1.	*	1	0710	87	7471.	*	1	1325	162	220.	*	1	1940	237	167.	*			
1	0100	13	9.	1.	*	1	0715	88	7355.	*	1	1330	163	219.	*	1	1945	238	167.	*			
1	0105	14	24.	1.	*	1	0720	89	7225.	*	1	1335	164	217.	*	1	1950	239	167.	*			
1	0110	15	49.	1.	*	1	0725	90	6863.	*	1	1340	165	216.	*	1	1955	240	166.	*			
1	0115	16	83.	1.	*	1	0730	91	5980.	*	1	1345	166	214.	*	1	2000	241	166.	*			
1	0120	17	121.	1.	*	1	0735	92	4716.	*	1	1350	167	213.	*	1	2005	242	166.	*			
1	0125	18	155.	1.	*	1	0740	93	3525.	*	1	1355	168	212.	*	1	2010	243	165.	*			
1	0130	19	184.	1.	*	1	0745	94	2694.	*	1	1400	169	210.	*	1	2015	244	165.	*			
1	0135	20	208.	1.	*	1	0750	95	2205.	*	1	1405	170	209.	*	1	2020	245	165.	*			
1	0140	21	230.	1.	*	1	0755	96	1927.	*	1	1410	171	208.	*	1	2025	246	164.	*			
1	0145	22	253.	1.	*	1	0800	97	1746.	*	1	1415	172	207.	*	1	2030	247	164.	*			
1	0150	23	280.	1.	*	1	0805	98	1595.	*	1	1420	173	206.	*	1	2035	248	164.	*			
1	0155	24	316.	1.	*	1	0810	99	1452.	*	1	1425	174	205.	*	1	2040	249	163.	*			
1	0200	25	362.	1.	*	1	0815	100	1315.	*	1	1430	175	204.	*	1	2045	250	163.	*			
1	0205	26	422.	1.	*	1	0820	101	1187.	*	1	1435	176	203.	*	1	2050	251	163.	*			
1	0210	27	496.	1.	*	1	0825	102	1074.	*	1	1440	177	202.	*	1	2055	252	162.	*			
1	0215	28	582.	1.	*	1	0830	103	973.	*	1	1445	178	201.	*	1	2100	253	162.	*			
1	0220	29	679.	1.	*	1	0835	104	886.	*	1	1450	179	200.	*	1	2105	254	162.	*			
1	0225	30	789.	1.	*	1	0840	105	810.	*	1	1455	180	200.	*	1	2110	255	161.	*			
1	0230	31	910.	1.	*	1	0845	106	747.	*	1	1500	181	199.	*	1	2115	256	161.	*			
1	0235	32	1040.	1.	*	1	0850	107	693.	*	1	1505	182	198.	*	1	2120	257	161.	*			
1	0240	33	1178.	1.	*	1	0855	108	647.	*	1	1510	183	197.	*	1	2125	258	160.	*			
1	0245	34	1317.	1.	*	1	0900	109	607.	*	1	1515	184	196.	*	1	2130	259	160.	*			
1	0250	35	1446.	1.	*	1	0905	110	573.	*	1	1520	185	196.	*	1	2135	260	160.	*			
1	0255	36	1561.	1.	*	1	0910	111	543.	*	1	1525	186	195.	*	1	2140	261	159.	*			
1	0300	37	1666.	1.	*	1	0915	112	516.	*	1	1530	187	194.	*	1	2145	262	159.	*			
1	0305	38	1771.	1.	*	1	0920	113	492.	*	1	1535	188	194.	*	1	2150	263	159.	*			
1	0310	39	1891.	1.	*	1	0925	114	471.	*	1	1540	189	193.	*	1	2155	264	158.	*			
1	0315	40	2047.	1.	*	1	0930	115	452.	*	1	1545	190	192.	*	1	2200	265	158.	*			
1	0320	41	2275.	1.	*	1	0935	116	435.	*	1	1550	191	191.	*	1	2205	266	158.	*			
1	0325	42	2627.	1.	*	1	0940	117	419.	*	1	1555	192	191.	*	1	2210	267	158.	*			
1	0330	43	3195.	1.	*	1	0945	118	404.	*	1	1600	193	190.	*	1	2215	268	157.	*			
1	0335	44	4116.	1.	*	1	0950	119	392.	*	1	1605	194	189.	*	1	2220	269	157.	*			
1	0340	45	5549.	1.	*	1	0955	120	381.	*	1	1610	195	189.	*	1	2225	270	157.	*			
1	0345	46	7530.	1.	*	1	1000	121	370.	*	1	1615	196	188.	*	1	2230	271	156.	*			
1	0350	47	9708.	1.	*	1	1005	122	361.	*	1	1620	197	187.	*	1	2235	272	156.	*			
1	0355	48	11420.	1.	*	1	1010	123	353.	*	1	1625	198	187.	*	1	2240	273	156.	*			
1	0400	49	12406.	1.	*	1	1015	124	345.	*	1	1630	199	186.	*	1	2245	274	155.	*			
1	0405	50	12903.	1.	*	1	1020	125	338.	*	1	1635	200	185.	*	1	2250	275	155.	*			
1	0410	51	13141.	1.	*	1	1025	126	331.	*	1	1640	201	185.	*	1	2255	276	155.	*			
1	0415	52	13178.	1.	*	1	1030	127	325.	*	1	1645	202	184.	*	1	2300	277	154.	*			
1	0420	53	13044.	1.	*	1	1035	128	319.	*	1	1650	203	184.	*	1	2305	278	154.	*			
1	0425	54	12806.	1.	*	1	1040	129	314.	*	1	1655	204	183.	*	1	2310	279	153.	*			
1	0430	55	12523.	1.	*	1	1045	130	309.	*	1	1700	205	183.	*	1	2315	280	153.	*			
1	0435	56	12231.	1.	*	1	1050	131	304.	*	1	1705	206	182.	*	1	2320	281	152.	*			
1	0440	57	11948.	1.	*	1	1055	132	299.	*	1	1710	207	181.	*	1	2325	282	152.	*			
1	0445	58	11702.	1.	*	1	1100	133	295.	*	1	1715	208	181.	*	1	2330	283	151.	*			
1	0450	59	11531.	1.	*	1	1105	134	291.	*	1	1720	209	180.	*	1	2335	284	151.	*			
1	0455	60	11467.	1.	*	1	1110	135	287.	*	1	1725	210	180.	*	1	2340	285	151.	*			
1	0500	61	11522.	1.	*	1	1115	136	284.	*	1	1730	211	179.	*	1	2345	286	150.	*			
1	0505	62	11664.	1.	*	1	1120	137	280.	*	1	1735	212	179.	*	1	2350	287	150.	*			
1	0510	63	11833.	1.	*	1	1125	138	277.	*	1	1740	213	178.	*	1	2355	288	149.	*			
1	0515	64	11958.	1.	*	1	1130	139	274.	*	1	1745	214	178.	*	2	0000	289	149.	*			
1	0520	65	11987.	1.	*	1	1135	140	271.	*	1	1750	215	177.	*	2	0005	290	148.	*			
1	0525	66	11905.	1.	*	1	1140	141	268.	*	1	1755	216	177.	*	2	0010	291	148.	*			

1	0530	67	11721.	*	1	1145	142	265.	*	1	1800	217	176.	*	2	0015	292	147.
1	0535	68	11463.	*	1	1150	143	262.	*	1	1805	218	176.	*	2	0020	293	147.
1	0540	69	11163.	*	1	1155	144	259.	*	1	1810	219	175.	*	2	0025	294	146.
1	0545	70	10850.	*	1	1200	145	257.	*	1	1815	220	175.	*	2	0030	295	146.
1	0550	71	10541.	*	1	1205	146	255.	*	1	1820	221	174.	*	2	0035	296	145.
1	0555	72	10247.	*	1	1210	147	252.	*	1	1825	222	174.	*	2	0040	297	144.
1	0600	73	9975.	*	1	1215	148	250.	*	1	1830	223	173.	*	2	0045	298	144.
1	0605	74	9724.	*	1	1220	149	248.	*	1	1835	224	173.	*	2	0050	299	143.
1	0610	75	9493.	*	1	1225	150	245.	*	1	1840	225	173.	*	2	0055	300	143.

PEAK FLOW + (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
+ 13178.	4.25	7317. (CFS)	2006. (INCHES)	1933. (AC-FT)	1933. (AC-FT)
		.364	.399	.399	.399
		3628.	3980.	3980.	3980.

CUMULATIVE AREA = 186.96 SQ MI

HYDROGRAPH AT STATION CCBN15-C
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .59

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	0000	1	1.	*	1	0615	76	9019.	*	1	1230	151	233.	*	1	1845	226	167.	*				
1	0005	2	1.	*	1	0620	77	8822.	*	1	1235	152	231.	*	1	1850	227	167.	*				
1	0010	3	1.	*	1	0625	78	8636.	*	1	1240	153	229.	*	1	1855	228	166.	*				
1	0015	4	1.	*	1	0630	79	8458.	*	1	1245	154	227.	*	1	1900	229	166.	*				
1	0020	5	1.	*	1	0635	80	8286.	*	1	1250	155	225.	*	1	1905	230	166.	*				
1	0025	6	1.	*	1	0640	81	8120.	*	1	1255	156	223.	*	1	1910	231	165.	*				
1	0030	7	1.	*	1	0645	82	7960.	*	1	1300	157	221.	*	1	1915	232	165.	*				
1	0035	8	1.	*	1	0650	83	7806.	*	1	1305	158	219.	*	1	1920	233	164.	*				
1	0040	9	1.	*	1	0655	84	7661.	*	1	1310	159	218.	*	1	1925	234	164.	*				
1	0045	10	1.	*	1	0700	85	7528.	*	1	1315	160	216.	*	1	1930	235	164.	*				
1	0050	11	1.	*	1	0705	86	7401.	*	1	1320	161	214.	*	1	1935	236	163.	*				
1	0055	12	2.	*	1	0710	87	7187.	*	1	1325	162	213.	*	1	1940	237	163.	*				
1	0100	13	7.	*	1	0715	88	6653.	*	1	1330	163	211.	*	1	1945	238	163.	*				
1	0105	14	17.	*	1	0720	89	5661.	*	1	1335	164	210.	*	1	1950	239	162.	*				
1	0110	15	38.	*	1	0725	90	4466.	*	1	1340	165	209.	*	1	1955	240	162.	*				
1	0115	16	66.	*	1	0730	91	3431.	*	1	1345	166	208.	*	1	2000	241	162.	*				
1	0120	17	99.	*	1	0735	92	2740.	*	1	1350	167	206.	*	1	2005	242	161.	*				
1	0125	18	130.	*	1	0740	93	2343.	*	1	1355	168	205.	*	1	2010	243	161.	*				
1	0130	19	156.	*	1	0745	94	2108.	*	1	1400	169	204.	*	1	2015	244	161.	*				
1	0135	20	178.	*	1	0750	95	1933.	*	1	1405	170	203.	*	1	2020	245	160.	*				
1	0140	21	196.	*	1	0755	96	1775.	*	1	1410	171	202.	*	1	2025	246	160.	*				
1	0145	22	215.	*	1	0800	97	1624.	*	1	1415	172	201.	*	1	2030	247	160.	*				
1	0150	23	237.	*	1	0805	98	1480.	*	1	1420	173	200.	*	1	2035	248	159.	*				
1	0155	24	267.	*	1	0810	99	1342.	*	1	1425	174	199.	*	1	2040	249	159.	*				
1	0200	25	305.	*	1	0815	100	1216.	*	1	1430	175	198.	*	1	2045	250	159.	*				
1	0205	26	356.	*	1	0820	101	1101.	*	1	1435	176	197.	*	1	2050	251	158.	*				
1	0210	27	419.	*	1	0825	102	1001.	*	1	1440	177	196.	*	1	2055	252	158.	*				
1	0215	28	494.	*	1	0830	103	913.	*	1	1445	178	195.	*	1	2100	253	158.	*				
1	0220	29	579.	*	1	0835	104	837.	*	1	1450	179	195.	*	1	2105	254	158.	*				
1	0225	30	674.	*	1	0840	105	771.	*	1	1455	180	194.	*	1	2110	255	157.	*				
1	0230	31	780.	*	1	0845	106	716.	*	1	1500	181	193.	*	1	2115	256	157.	*				
1	0235	32	895.	*	1	0850	107	668.	*	1	1505	182	192.	*	1	2120	257	157.	*				
1	0240	33	1015.	*	1	0855	108	627.	*	1	1510	183	191.	*	1	2125	258	156.	*				
1	0245	34	1137.	*	1	0900	109	589.	*	1	1515	184	190.	*	1	2130	259	156.	*				
1	0250	35	1253.	*	1	0905	110	556.	*	1	1520	185	190.	*	1	2135	260	156.	*				
1	0255	36	1362.	*	1	0910	111	527.	*	1	1525	186	189.	*	1	2140	261	155.	*				
1	0300	37	1463.	*	1	0915	112	501.	*	1	1530	187	188.	*	1	2145	262	155.	*				
1	0305	38	1564.	*	1	0920	113	478.	*	1	1535	188	187.	*	1	2150	263	154.	*				
1	0310	39	1677.	*	1	0925	114	458.	*	1	1540	189	187.	*	1	2155	264	154.	*				
1	0315	40	1821.	*	1	0930	115	439.	*	1	1545	190	186.	*	1	2200	265	153.	*				
1	0320	41	2024.	*	1	0935	116	423.	*	1	1550	191	185.	*	1	2205	266	153.	*				
1	0325	42	2335.	*	1	0940	117	408.	*	1	1555	192	185.	*	1	2210	267	153.	*				
1	0330	43	2835.	*	1	0945	118	395.	*	1	1600	193	184.	*	1	2215	268	152.	*				
1	0335	44	3652.	*	1	0950	119	383.	*	1	1605	194	183.	*	1	2220	269	152.	*				
1	0340	45	4939.	*	1	0955	120	372.	*	1	1610	195	183.	*	1	2225	270	151.	*				
1	0345	46	6772.	*	1	1000	121	362.	*	1	1615	196	182.	*	1	2230	271	151.	*				
1	0350	47	8915.	*	1	1005	122	353.	*	1	1620	197	182.	*	1	2235	272	150.	*				
1	0355	48	10791.	*	1	1010	123	344.	*	1	1625	198	181.	*	1	2240	273	150.	*				
1	0400	49	11942.	*	1	1015	124	336.	*	1	1630	199	180.	*	1	2245	274	149.	*				
1	0405	50	12452.	*	1	1020	125	328.	*	1	1635	200	180.	*	1	2250	275	149.	*				
1	0410	51	12660.	*	1	1025	126	322.	*	1	1640	201	179.	*	1	2255	276	148.	*				
1	0415	52	12717.	*	1	1030	127	315.	*	1	1645	202	179.	*	1	2300	277	148.	*				
1	0420	53	12634.	*	1	1035	128	310.	*	1	1650	203	178.	*	1	2305	278	147.	*				
1	0425	54	12435.	*	1	1040	129	304.	*	1	1655	204	178.	*	1	2310	279	147.	*				
1	0430	55	12171.	*	1	1045	130	299.	*	1	1700	205	177.	*	1	2315	280	146.	*				
1	0435	56	11880.	*	1	1050	131	294.	*	1	1705	206	176.	*	1	2320	281	146.	*				
1	0440	57	11590.	*	1	1055	132	290.	*	1	1710	207	176.	*	1	2325	282	145.	*				
1	0445	58	11342.	*	1	1100	133	286.	*	1	1715	208	175.	*	1	2330	283	145.	*				
1	0450	59	11174.	*	1	1105	134	282.	*	1	1720	209	175.	*	1	2335	284	144.	*				
1	0455	60	11117.	*	1	1110	135	278.	*	1	1725	210	174.	*	1	2340	285	144.	*				
1	0500	61	11169.	*	1	1115	136	274.	*	1	1730	211	174.	*	1	2345	286	143.	*				
1	0505	62	11303.	*	1	1120	137	271.	*	1	1735	212	173.	*	1	2350	287	143.	*				

1	0510	63	11461.	*	1	1125	138	268.	*	1	1740	213	173.	*	1	2355	288	142.
1	0515	64	11580.	*	1	1130	139	264.	*	1	1745	214	172.	*	2	0000	289	141.
1	0520	65	11609.	*	1	1135	140	262.	*	1	1750	215	172.	*	2	0005	290	141.
1	0525	66	11533.	*	1	1140	141	259.	*	1	1755	216	171.	*	2	0010	291	140.
1	0530	67	11362.	*	1	1145	142	256.	*	1	1800	217	171.	*	2	0015	292	140.
1	0535	68	11119.	*	1	1150	143	253.	*	1	1805	218	171.	*	2	0020	293	139.
1	0540	69	10835.	*	1	1155	144	251.	*	1	1810	219	170.	*	2	0025	294	138.
1	0545	70	10536.	*	1	1200	145	248.	*	1	1815	220	170.	*	2	0030	295	138.
1	0550	71	10240.	*	1	1205	146	246.	*	1	1820	221	169.	*	2	0035	296	137.
1	0555	72	9958.	*	1	1210	147	243.	*	1	1825	222	169.	*	2	0040	297	137.
1	0600	73	9694.	*	1	1215	148	241.	*	1	1830	223	168.	*	2	0045	298	136.
1	0605	74	9451.	*	1	1220	149	238.	*	1	1835	224	168.	*	2	0050	299	136.
1	0610	75	9227.	*	1	1225	150	236.	*	1	1840	225	167.	*	2	0055	300	135.

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	(CFS)	6-HR	24-HR	72-HR	24.92-HR
12717.	4.25		6893.	1892.	1823.	1823.
		(INCHES)	.343	.376	.376	.376
		(AC-FT)	3418.	3753.	3753.	3753.

CUMULATIVE AREA = 186.96 SQ MI

HYDROGRAPH AT STATION CCBN15-C
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .56

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	0000	1	1.	*	1	0615	76	8707.	*	1	1230	151	223.	*	1	1845	226	162.					
1	0005	2	1.	*	1	0620	77	8518.	*	1	1235	152	221.	*	1	1850	227	161.					
1	0010	3	1.	*	1	0625	78	8337.	*	1	1240	153	219.	*	1	1855	228	161.					
1	0015	4	1.	*	1	0630	79	8165.	*	1	1245	154	217.	*	1	1900	229	161.					
1	0020	5	1.	*	1	0635	80	8000.	*	1	1250	155	215.	*	1	1905	230	160.					
1	0025	6	1.	*	1	0640	81	7842.	*	1	1255	156	213.	*	1	1910	231	160.					
1	0030	7	1.	*	1	0645	82	7696.	*	1	1300	157	212.	*	1	1915	232	160.					
1	0035	8	1.	*	1	0650	83	7565.	*	1	1305	158	210.	*	1	1920	233	159.					
1	0040	9	1.	*	1	0655	84	7406.	*	1	1310	159	209.	*	1	1925	234	159.					
1	0045	10	1.	*	1	0700	85	7007.	*	1	1315	160	207.	*	1	1930	235	159.					
1	0050	11	1.	*	1	0705	86	6124.	*	1	1320	161	206.	*	1	1935	236	158.					
1	0055	12	2.	*	1	0710	87	4918.	*	1	1325	162	205.	*	1	1940	237	158.					
1	0100	13	5.	*	1	0715	88	3830.	*	1	1330	163	203.	*	1	1945	238	158.					
1	0105	14	12.	*	1	0720	89	3098.	*	1	1335	164	202.	*	1	1950	239	157.					
1	0110	15	26.	*	1	0725	90	2676.	*	1	1340	165	201.	*	1	1955	240	157.					
1	0115	16	49.	*	1	0730	91	2424.	*	1	1345	166	199.	*	1	2000	241	157.					
1	0120	17	75.	*	1	0735	92	2237.	*	1	1350	167	198.	*	1	2005	242	156.					
1	0125	18	102.	*	1	0740	93	2070.	*	1	1355	168	197.	*	1	2010	243	156.					
1	0130	19	125.	*	1	0745	94	1914.	*	1	1400	169	196.	*	1	2015	244	155.					
1	0135	20	144.	*	1	0750	95	1764.	*	1	1405	170	195.	*	1	2020	245	155.					
1	0140	21	160.	*	1	0755	96	1621.	*	1	1410	171	194.	*	1	2025	246	155.					
1	0145	22	175.	*	1	0800	97	1484.	*	1	1415	172	193.	*	1	2030	247	154.					
1	0150	23	192.	*	1	0805	98	1353.	*	1	1420	173	192.	*	1	2035	248	154.					
1	0155	24	214.	*	1	0810	99	1231.	*	1	1425	174	191.	*	1	2040	249	153.					
1	0200	25	244.	*	1	0815	100	1119.	*	1	1430	175	190.	*	1	2045	250	153.					
1	0205	26	284.	*	1	0820	101	1020.	*	1	1435	176	189.	*	1	2050	251	152.					
1	0210	27	335.	*	1	0825	102	933.	*	1	1440	177	188.	*	1	2055	252	152.					
1	0215	28	397.	*	1	0830	103	857.	*	1	1445	178	188.	*	1	2100	253	151.					
1	0220	29	468.	*	1	0835	104	791.	*	1	1450	179	187.	*	1	2105	254	151.					
1	0225	30	547.	*	1	0840	105	734.	*	1	1455	180	186.	*	1	2110	255	150.					
1	0230	31	634.	*	1	0845	106	684.	*	1	1500	181	185.	*	1	2115	256	150.					
1	0235	32	732.	*	1	0850	107	640.	*	1	1505	182	184.	*	1	2120	257	149.					
1	0240	33	835.	*	1	0855	108	601.	*	1	1510	183	184.	*	1	2125	258	149.					
1	0245	34	939.	*	1	0900	109	565.	*	1	1515	184	183.	*	1	2130	259	149.					
1	0250	35	1039.	*	1	0905	110	534.	*	1	1520	185	182.	*	1	2135	260	148.					
1	0255	36	1133.	*	1	0910	111	505.	*	1	1525	186	182.	*	1	2140	261	148.					
1	0300	37	1224.	*	1	0915	112	480.	*	1	1530	187	181.	*	1	2145	262	147.					
1	0305	38	1317.	*	1	0920	113	458.	*	1	1535	188	180.	*	1	2150	263	147.					
1	0310	39	1422.	*	1	0925	114	437.	*	1	1540	189	179.	*	1	2155	264	146.					
1	0315	40	1551.	*	1	0930	115	420.	*	1	1545	190	179.	*	1	2200	265	146.					
1	0320	41	1731.	*	1	0935	116	404.	*	1	1550	191	178.	*	1	2205	266	145.					
1	0325	42	1998.	*	1	0940	117	389.	*	1	1555	192	178.	*	1	2210	267	145.					
1	0330	43	2421.	*	1	0945	118	377.	*	1	1600	193	177.	*	1	2215	268	144.					
1	0335	44	3109.	*	1	0950	119	365.	*	1	1605	194	176.	*	1	2220	269	144.					
1	0340	45	4221.	*	1	0955	120	355.	*	1	1610	195	176.	*	1	2225	270	143.					
1	0345	46	5845.	*	1	1000	121	345.	*	1	1615	196	175.	*	1	2230	271	142.					
1	0350	47	7877.	*	1	1005	122	337.	*	1	1620	197	175.	*	1	2235	272	142.					
1	0355	48	9872.	*	1	1010	123	329.	*	1	1625	198	174.	*	1	2240	273	141.					
1	0400	49	11287.	*	1	1015	124	321.	*	1	1630	199	174.	*	1	2245	274	141.					
1	0405	50	11981.	*	1	1020	125	314.	*	1	1635	200	173.	*	1	2250	275	140.					
1	0410	51	12186.	*	1	1025	126	308.	*	1	1640	201	172.	*	1	2255	276	140.					
1	0415	52	12205.	*	1	1030	127	302.	*	1	1645	202	172.	*	1	2300	277	139.					
1	0420	53	12153.	*	1	1035	128	297.	*	1	1650	203	171.	*	1	2305	278	138.					
1	0425	54	12000.	*	1	1040	129	292.	*	1	1655	204	171.	*	1	2310	279	138.					
1	0430	55	11747.	*	1	1045	130	287.	*	1	1700	205	170.	*	1	2315	280	137.					
1	0435	56	11446.	*	1	1050	131	282.	*	1	1705	206	170.	*	1	2320	281	137.					
1	0440	57	11153.	*	1	1055	132	278.	*	1	1710	207	169.	*	1	2325	282	136.					
1	0445	58	10914.	*	1	1100	133	274.	*	1	1715	208	169.	*	1	2330	283	136.					

1	0450	59	10759.	*	1	1105	134	270.	*	1	1720	209	168.	*	1	2335	284	135.
1	0455	60	10708.	*	1	1110	135	266.	*	1	1725	210	168.	*	1	2340	285	135.
1	0500	61	10755.	*	1	1115	136	263.	*	1	1730	211	168.	*	1	2345	286	134.
1	0505	62	10877.	*	1	1120	137	260.	*	1	1735	212	167.	*	1	2350	287	133.
1	0510	63	11023.	*	1	1125	138	257.	*	1	1740	213	167.	*	1	2355	288	133.
1	0515	64	11133.	*	1	1130	139	254.	*	1	1745	214	166.	*	2	0000	289	132.
1	0520	65	11162.	*	1	1135	140	251.	*	1	1750	215	166.	*	2	0005	290	132.
1	0525	66	11093.	*	1	1140	141	248.	*	1	1755	216	165.	*	2	0010	291	131.
1	0530	67	10935.	*	1	1145	142	245.	*	1	1800	217	165.	*	2	0015	292	131.
1	0535	68	10709.	*	1	1150	143	243.	*	1	1805	218	165.	*	2	0020	293	130.
1	0540	69	10443.	*	1	1155	144	240.	*	1	1810	219	164.	*	2	0025	294	130.
1	0545	70	10161.	*	1	1200	145	237.	*	1	1815	220	164.	*	2	0030	295	129.
1	0550	71	9881.	*	1	1205	146	235.	*	1	1820	221	164.	*	2	0035	296	129.
1	0555	72	9611.	*	1	1210	147	232.	*	1	1825	222	163.	*	2	0040	297	128.
1	0600	73	9359.	*	1	1215	148	230.	*	1	1830	223	163.	*	2	0045	298	128.
1	0605	74	9124.	*	1	1220	149	227.	*	1	1835	224	162.	*	2	0050	299	127.
1	0610	75	8908.	*	1	1225	150	225.	*	1	1840	225	162.	*	2	0055	300	127.

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	24.92-HR
12205.	4.25	6402.	1759.	1694.	1694.
		.318	.350	.350	.350
		3174.	3489.	3489.	3489.

CUMULATIVE AREA = 186.96 SQ MI

HYDROGRAPH AT STATION CCBN15-C
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .54

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	0000	1	1.	*	1	0615	76	8429.	*	1	1230	151	214.	*	1	1845	226	157.					
1	0005	2	1.	*	1	0620	77	8246.	*	1	1235	152	212.	*	1	1850	227	157.					
1	0010	3	1.	*	1	0625	78	8075.	*	1	1240	153	210.	*	1	1855	228	156.					
1	0015	4	1.	*	1	0630	79	7919.	*	1	1245	154	208.	*	1	1900	229	156.					
1	0020	5	1.	*	1	0635	80	7777.	*	1	1250	155	206.	*	1	1905	230	155.					
1	0025	6	1.	*	1	0640	81	7611.	*	1	1255	156	205.	*	1	1910	231	155.					
1	0030	7	1.	*	1	0645	82	7217.	*	1	1300	157	203.	*	1	1915	232	154.					
1	0035	8	1.	*	1	0650	83	6357.	*	1	1305	158	202.	*	1	1920	233	154.					
1	0040	9	1.	*	1	0655	84	5207.	*	1	1310	159	200.	*	1	1925	234	153.					
1	0045	10	1.	*	1	0700	85	4212.	*	1	1315	160	199.	*	1	1930	235	153.					
1	0050	11	1.	*	1	0705	86	3570.	*	1	1320	161	198.	*	1	1935	236	152.					
1	0055	12	2.	*	1	0710	87	3182.	*	1	1325	162	196.	*	1	1940	237	152.					
1	0100	13	3.	*	1	0715	88	2917.	*	1	1330	163	195.	*	1	1945	238	151.					
1	0105	14	8.	*	1	0720	89	2695.	*	1	1335	164	194.	*	1	1950	239	151.					
1	0110	15	19.	*	1	0725	90	2492.	*	1	1340	165	193.	*	1	1955	240	150.					
1	0115	16	36.	*	1	0730	91	2300.	*	1	1345	166	192.	*	1	2000	241	150.					
1	0120	17	58.	*	1	0735	92	2119.	*	1	1350	167	191.	*	1	2005	242	150.					
1	0125	18	81.	*	1	0740	93	1948.	*	1	1355	168	190.	*	1	2010	243	149.					
1	0130	19	101.	*	1	0745	94	1788.	*	1	1400	169	189.	*	1	2015	244	149.					
1	0135	20	118.	*	1	0750	95	1639.	*	1	1405	170	188.	*	1	2020	245	148.					
1	0140	21	132.	*	1	0755	96	1499.	*	1	1410	171	187.	*	1	2025	246	148.					
1	0145	22	145.	*	1	0800	97	1368.	*	1	1415	172	186.	*	1	2030	247	147.					
1	0150	23	159.	*	1	0805	98	1248.	*	1	1420	173	185.	*	1	2035	248	147.					
1	0155	24	176.	*	1	0810	99	1138.	*	1	1425	174	184.	*	1	2040	249	146.					
1	0200	25	200.	*	1	0815	100	1040.	*	1	1430	175	183.	*	1	2045	250	146.					
1	0205	26	232.	*	1	0820	101	953.	*	1	1435	176	182.	*	1	2050	251	145.					
1	0210	27	274.	*	1	0825	102	877.	*	1	1440	177	182.	*	1	2055	252	145.					
1	0215	28	326.	*	1	0830	103	812.	*	1	1445	178	181.	*	1	2100	253	144.					
1	0220	29	386.	*	1	0835	104	755.	*	1	1450	179	180.	*	1	2105	254	144.					
1	0225	30	453.	*	1	0840	105	705.	*	1	1455	180	179.	*	1	2110	255	143.					
1	0230	31	527.	*	1	0845	106	661.	*	1	1500	181	179.	*	1	2115	256	143.					
1	0235	32	607.	*	1	0850	107	621.	*	1	1505	182	178.	*	1	2120	257	142.					
1	0240	33	695.	*	1	0855	108	585.	*	1	1510	183	177.	*	1	2125	258	142.					
1	0245	34	787.	*	1	0900	109	551.	*	1	1515	184	176.	*	1	2130	259	141.					
1	0250	35	875.	*	1	0905	110	521.	*	1	1520	185	176.	*	1	2135	260	140.					
1	0255	36	957.	*	1	0910	111	493.	*	1	1525	186	175.	*	1	2140	261	140.					
1	0300	37	1034.	*	1	0915	112	468.	*	1	1530	187	174.	*	1	2145	262	139.					
1	0305	38	1114.	*	1	0920	113	446.	*	1	1535	188	174.	*	1	2150	263	139.					
1	0310	39	1206.	*	1	0925	114	426.	*	1	1540	189	173.	*	1	2155	264	138.					
1	0315	40	1322.	*	1	0930	115	408.	*	1	1545	190	173.	*	1	2200	265	138.					
1	0320	41	1480.	*	1	0935	116	392.	*	1	1550	191	172.	*	1	2205	266	137.					
1	0325	42	1711.	*	1	0940	117	378.	*	1	1555	192	171.	*	1	2210	267	136.					
1	0330	43	2075.	*	1	0945	118	365.	*	1	1600	193	171.	*	1	2215	268	136.					
1	0335	44	2669.	*	1	0950	119	353.	*	1	1605	194	170.	*	1	2220	269	135.					
1	0340	45	3619.	*	1	0955	120	343.	*	1	1610	195	170.	*	1	2225	270	135.					
1	0345	46	5054.	*	1	1000	121	333.	*	1	1615	196	169.	*	1	2230	271	134.					
1	0350	47	6925.	*	1	1005	122	325.	*	1	1620	197	169.	*	1	2235	272	134.					
1	0355	48	8921.	*	1	1010	123	317.	*	1	1625	198	168.	*	1	2240	273	133.					
1	0400	49	10543.	*	1	1015	124	309.	*	1	1630	199	168.	*	1	2245	274	133.					
1	0405	50	11482.	*	1	1020	125	302.	*	1	1635	200	167.	*	1	2250	275	132.					
1	0410	51	11831.	*	1	1025	126	296.	*	1	1640	201	167.	*	1	2255	276	132.					
1	0415	52	11836.	*	1	1030	127	290.	*	1	1645	202	166.	*	1	2300	277	131.					
1	0420	53	11715.	*	1	1035	128	285.	*	1	1650	203	166.	*	1	2305	278	131.					
1	0425	54	11559.	*	1	1040	129	280.	*	1	1655	204	165.	*	1	2310	279	130.					

1	0430	55	11343.	*	1	1045	130	275.	*	1	1700	205	165.	*	1	2315	280	129.
1	0435	56	11052.	*	1	1050	131	271.	*	1	1705	206	165.	*	1	2320	281	129.
1	0440	57	10755.	*	1	1055	132	267.	*	1	1710	207	164.	*	1	2325	282	128.
1	0445	58	10527.	*	1	1100	133	263.	*	1	1715	208	164.	*	1	2330	283	128.
1	0450	59	10387.	*	1	1105	134	259.	*	1	1720	209	163.	*	1	2335	284	127.
1	0455	60	10340.	*	1	1110	135	256.	*	1	1725	210	163.	*	1	2340	285	127.
1	0500	61	10386.	*	1	1115	136	253.	*	1	1730	211	163.	*	1	2345	286	126.
1	0505	62	10497.	*	1	1120	137	250.	*	1	1735	212	162.	*	1	2350	287	126.
1	0510	63	10631.	*	1	1125	138	247.	*	1	1740	213	162.	*	1	2355	288	125.
1	0515	64	10733.	*	1	1130	139	244.	*	1	1745	214	161.	*	2	0000	289	125.
1	0520	65	10758.	*	1	1135	140	241.	*	1	1750	215	161.	*	2	0005	290	124.
1	0525	66	10697.	*	1	1140	141	238.	*	1	1755	216	161.	*	2	0010	291	124.
1	0530	67	10550.	*	1	1145	142	235.	*	1	1800	217	160.	*	2	0015	292	123.
1	0535	68	10340.	*	1	1150	143	232.	*	1	1805	218	160.	*	2	0020	293	123.
1	0540	69	10089.	*	1	1155	144	230.	*	1	1810	219	160.	*	2	0025	294	123.
1	0545	70	9822.	*	1	1200	145	227.	*	1	1815	220	159.	*	2	0030	295	122.
1	0550	71	9555.	*	1	1205	146	225.	*	1	1820	221	159.	*	2	0035	296	122.
1	0555	72	9299.	*	1	1210	147	222.	*	1	1825	222	158.	*	2	0040	297	121.
1	0600	73	9057.	*	1	1215	148	220.	*	1	1830	223	158.	*	2	0045	298	121.
1	0605	74	8832.	*	1	1220	149	218.	*	1	1835	224	158.	*	2	0050	299	120.
1	0610	75	8624.	*	1	1225	150	216.	*	1	1840	225	157.	*	2	0055	300	120.

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	(CFS)	6-HR	24-HR	72-HR	24.92-HR
11836.	4.25		5959.	1640.	1580.	1580.
		(INCHES)	.296	.326	.326	.326
		(AC-FT)	2955.	3253.	3253.	3253.

CUMULATIVE AREA = 186.96 SQ MI

HYDROGRAPH AT STATION CCBN15-C
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .52

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	0000	1	1.	*	1	0615	76	8212.	*	1	1230	151	205.	*	1	1845	226	151.					
1	0005	2	1.	*	1	0620	77	8058.	*	1	1235	152	203.	*	1	1850	227	150.					
1	0010	3	1.	*	1	0625	78	7898.	*	1	1240	153	202.	*	1	1855	228	150.					
1	0015	4	1.	*	1	0630	79	7556.	*	1	1245	154	200.	*	1	1900	229	150.					
1	0020	5	1.	*	1	0635	80	6776.	*	1	1250	155	199.	*	1	1905	230	149.					
1	0025	6	1.	*	1	0640	81	5702.	*	1	1255	156	197.	*	1	1910	231	149.					
1	0030	7	1.	*	1	0645	82	4736.	*	1	1300	157	196.	*	1	1915	232	148.					
1	0035	8	1.	*	1	0650	83	4086.	*	1	1305	158	194.	*	1	1920	233	148.					
1	0040	9	1.	*	1	0655	84	3685.	*	1	1310	159	193.	*	1	1925	234	147.					
1	0045	10	1.	*	1	0700	85	3401.	*	1	1315	160	192.	*	1	1930	235	147.					
1	0050	11	1.	*	1	0705	86	3159.	*	1	1320	161	190.	*	1	1935	236	146.					
1	0055	12	1.	*	1	0710	87	2933.	*	1	1325	162	189.	*	1	1940	237	146.					
1	0100	13	3.	*	1	0715	88	2719.	*	1	1330	163	188.	*	1	1945	238	145.					
1	0105	14	6.	*	1	0720	89	2517.	*	1	1335	164	187.	*	1	1950	239	145.					
1	0110	15	14.	*	1	0725	90	2326.	*	1	1340	165	186.	*	1	1955	240	144.					
1	0115	16	27.	*	1	0730	91	2147.	*	1	1345	166	185.	*	1	2000	241	144.					
1	0120	17	44.	*	1	0735	92	1976.	*	1	1350	167	184.	*	1	2005	242	143.					
1	0125	18	63.	*	1	0740	93	1813.	*	1	1355	168	183.	*	1	2010	243	143.					
1	0130	19	80.	*	1	0745	94	1657.	*	1	1400	169	182.	*	1	2015	244	142.					
1	0135	20	95.	*	1	0750	95	1511.	*	1	1405	170	181.	*	1	2020	245	142.					
1	0140	21	108.	*	1	0755	96	1377.	*	1	1410	171	180.	*	1	2025	246	141.					
1	0145	22	119.	*	1	0800	97	1256.	*	1	1415	172	180.	*	1	2030	247	140.					
1	0150	23	130.	*	1	0805	98	1148.	*	1	1420	173	179.	*	1	2035	248	140.					
1	0155	24	144.	*	1	0810	99	1053.	*	1	1425	174	178.	*	1	2040	249	139.					
1	0200	25	162.	*	1	0815	100	968.	*	1	1430	175	177.	*	1	2045	250	139.					
1	0205	26	188.	*	1	0820	101	894.	*	1	1435	176	176.	*	1	2050	251	138.					
1	0210	27	223.	*	1	0825	102	828.	*	1	1440	177	176.	*	1	2055	252	137.					
1	0215	28	266.	*	1	0830	103	769.	*	1	1445	178	175.	*	1	2100	253	137.					
1	0220	29	317.	*	1	0835	104	717.	*	1	1450	179	174.	*	1	2105	254	136.					
1	0225	30	374.	*	1	0840	105	671.	*	1	1455	180	173.	*	1	2110	255	136.					
1	0230	31	437.	*	1	0845	106	629.	*	1	1500	181	173.	*	1	2115	256	135.					
1	0235	32	505.	*	1	0850	107	591.	*	1	1505	182	172.	*	1	2120	257	135.					
1	0240	33	578.	*	1	0855	108	557.	*	1	1510	183	171.	*	1	2125	258	134.					
1	0245	34	656.	*	1	0900	109	525.	*	1	1515	184	171.	*	1	2130	259	134.					
1	0250	35	734.	*	1	0905	110	497.	*	1	1520	185	170.	*	1	2135	260	133.					
1	0255	36	809.	*	1	0910	111	471.	*	1	1525	186	170.	*	1	2140	261	132.					
1	0300	37	878.	*	1	0915	112	448.	*	1	1530	187	169.	*	1	2145	262	132.					
1	0305	38	947.	*	1	0920	113	427.	*	1	1535	188	168.	*	1	2150	263	131.					
1	0310	39	1026.	*	1	0925	114	408.	*	1	1540	189	168.	*	1	2155	264	131.					
1	0315	40	1128.	*	1	0930	115	391.	*	1	1545	190	167.	*	1	2200	265	130.					
1	0320	41	1267.	*	1	0935	116	376.	*	1	1550	191	167.	*	1	2205	266	130.					
1	0325	42	1469.	*	1	0940	117	363.	*	1	1555	192	166.	*	1	2210	267	129.					
1	0330	43	1783.	*	1	0945	118	351.	*	1	1600	193	166.	*	1	2215	268	129.					
1	0335	44	2290.	*	1	0950	119	340.	*	1	1605	194	165.	*	1	2220	269	128.					
1	0340	45	3110.	*	1	0955	120	330.	*	1	1610	195	165.	*	1	2225	270	128.					
1	0345	46	4370.	*	1	1000	121	321.	*	1	1615	196	165.	*	1	2230	271	127.					
1	0350	47	6067.	*	1	1005	122	312.	*	1	1620	197	164.	*	1	2235	272	127.					
1	0355	48	7975.	*	1	1010	123	305.	*	1	1625	198	164.	*	1	2240	273	126.					
1	0400	49	9699.	*	1	1015	124	298.	*	1	1630	199	163.	*	1	2245	274	126.					
1	0405	50	10904.	*	1	1020	125	291.	*	1	1635	200	163.	*	1	2250	275	125.					

1	0410	51	11470.	*	1	1025	126	285.	*	1	1640	201	162.	*	1	2255	276	125.
1	0415	52	11585.	*	1	1030	127	280.	*	1	1645	202	162.	*	1	2300	277	124.
1	0420	53	11460.	*	1	1035	128	275.	*	1	1650	203	161.	*	1	2305	278	124.
1	0425	54	11230.	*	1	1040	129	270.	*	1	1655	204	161.	*	1	2310	279	123.
1	0430	55	10953.	*	1	1045	130	266.	*	1	1700	205	161.	*	1	2315	280	123.
1	0435	56	10673.	*	1	1050	131	262.	*	1	1705	206	160.	*	1	2320	281	122.
1	0440	57	10423.	*	1	1055	132	258.	*	1	1710	207	160.	*	1	2325	282	122.
1	0445	58	10225.	*	1	1100	133	254.	*	1	1715	208	159.	*	1	2330	283	121.
1	0450	59	10087.	*	1	1105	134	251.	*	1	1720	209	159.	*	1	2335	284	121.
1	0455	60	10031.	*	1	1110	135	247.	*	1	1725	210	159.	*	1	2340	285	120.
1	0500	61	10066.	*	1	1115	136	244.	*	1	1730	211	158.	*	1	2345	286	120.
1	0505	62	10167.	*	1	1120	137	241.	*	1	1735	212	158.	*	1	2350	287	119.
1	0510	63	10287.	*	1	1125	138	237.	*	1	1740	213	157.	*	1	2355	288	119.
1	0515	64	10380.	*	1	1130	139	234.	*	1	1745	214	157.	*	2	0000	289	118.
1	0520	65	10405.	*	1	1135	140	231.	*	1	1750	215	157.	*	2	0005	290	118.
1	0525	66	10348.	*	1	1140	141	228.	*	1	1755	216	156.	*	2	0010	291	117.
1	0530	67	10211.	*	1	1145	142	225.	*	1	1800	217	156.	*	2	0015	292	117.
1	0535	68	10015.	*	1	1150	143	222.	*	1	1805	218	155.	*	2	0020	293	116.
1	0540	69	9780.	*	1	1155	144	220.	*	1	1810	219	155.	*	2	0025	294	115.
1	0545	70	9527.	*	1	1200	145	217.	*	1	1815	220	154.	*	2	0030	295	114.
1	0550	71	9272.	*	1	1205	146	215.	*	1	1820	221	153.	*	2	0035	296	113.
1	0555	72	9026.	*	1	1210	147	213.	*	1	1825	222	153.	*	2	0040	297	113.
1	0600	73	8793.	*	1	1215	148	211.	*	1	1830	223	152.	*	2	0045	298	112.
1	0605	74	8579.	*	1	1220	149	209.	*	1	1835	224	152.	*	2	0050	299	111.
1	0610	75	8384.	*	1	1225	150	207.	*	1	1840	225	151.	*	2	0055	300	110.

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	24.92-HR
11585.	4.25	5570.	1534.	1478.	1478.
		.277	.305	.305	.305
		(INCHES)			
		(AC-FT)	2762.	3043.	3043.

CUMULATIVE AREA = 186.96 SQ MI

 * * *
 7457 KK * CCA10-C *
 * * *

7461 KO OUTPUT CONTROL VARIABLES
 IPRNT 1 PRINT CONTROL
 IPLOT 0 PLOT CONTROL
 QSCAL 0. HYDROGRAPH PLOT SCALE

7460 HC HYDROGRAPH COMBINATION
 ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION CCA10-C
 SUM OF 2 HYDROGRAPHS
 PLAN 1, RATIO = .61

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	0000	1	1.	*	1	0615	76	9438.	*	1	1230	151	243.	*	1	1845	226	172.					
1	0005	2	1.	*	1	0620	77	9222.	*	1	1235	152	241.	*	1	1850	227	172.					
1	0010	3	1.	*	1	0625	78	9017.	*	1	1240	153	239.	*	1	1855	228	171.					
1	0015	4	1.	*	1	0630	79	8821.	*	1	1245	154	236.	*	1	1900	229	171.					
1	0020	5	1.	*	1	0635	80	8633.	*	1	1250	155	234.	*	1	1905	230	171.					
1	0025	6	1.	*	1	0640	81	8451.	*	1	1255	156	232.	*	1	1910	231	170.					
1	0030	7	1.	*	1	0645	82	8275.	*	1	1300	157	230.	*	1	1915	232	170.					
1	0035	8	1.	*	1	0650	83	8106.	*	1	1305	158	228.	*	1	1920	233	169.					
1	0040	9	1.	*	1	0655	84	7944.	*	1	1310	159	226.	*	1	1925	234	169.					
1	0045	10	2.	*	1	0700	85	7792.	*	1	1315	160	224.	*	1	1930	235	168.					
1	0050	11	3.	*	1	0705	86	7648.	*	1	1320	161	222.	*	1	1935	236	168.					
1	0055	12	5.	*	1	0710	87	7513.	*	1	1325	162	221.	*	1	1940	237	168.					
1	0100	13	10.	*	1	0715	88	7390.	*	1	1330	163	219.	*	1	1945	238	167.					
1	0105	14	23.	*	1	0720	89	7258.	*	1	1335	164	218.	*	1	1950	239	167.					
1	0110	15	46.	*	1	0725	90	6938.	*	1	1340	165	216.	*	1	1955	240	166.					
1	0115	16	80.	*	1	0730	91	6166.	*	1	1345	166	215.	*	1	2000	241	166.					
1	0120	17	118.	*	1	0735	92	5004.	*	1	1350	167	213.	*	1	2005	242	166.					
1	0125	18	156.	*	1	0740	93	3825.	*	1	1355	168	212.	*	1	2010	243	165.					
1	0130	19	189.	*	1	0745	94	2925.	*	1	1400	169	211.	*	1	2015	244	165.					
1	0135	20	217.	*	1	0750	95	2343.	*	1	1405	170	210.	*	1	2020	245	165.					
1	0140	21	242.	*	1	0755	96	2006.	*	1	1410	171	209.	*	1	2025	246	164.					
1	0145	22	268.	*	1	0800	97	1798.	*	1	1415	172	207.	*	1	2030	247	164.					
1	0150	23	299.	*	1	0805	98	1639.	*	1	1420	173	206.	*	1	2035	248	164.					
1	0155	24	337.	*	1	0810	99	1493.	*	1	1425	174	205.	*	1	2040	249	163.					
1	0200	25	387.	*	1	0815	100	1354.	*	1	1430	175	204.	*	1	2045	250	163.					

1	0205	26	450.	*	1	0820	101	1224.	*	1	1435	176	203.	*	1	2050	251	163.
1	0210	27	529.	*	1	0825	102	1107.	*	1	1440	177	202.	*	1	2055	252	162.
1	0215	28	621.	*	1	0830	103	1002.	*	1	1445	178	202.	*	1	2100	253	162.
1	0220	29	724.	*	1	0835	104	911.	*	1	1450	179	201.	*	1	2105	254	162.
1	0225	30	839.	*	1	0840	105	832.	*	1	1455	180	200.	*	1	2110	255	161.
1	0230	31	964.	*	1	0845	106	765.	*	1	1500	181	199.	*	1	2115	256	161.
1	0235	32	1098.	*	1	0850	107	708.	*	1	1505	182	198.	*	1	2120	257	161.
1	0240	33	1238.	*	1	0855	108	661.	*	1	1510	183	197.	*	1	2125	258	160.
1	0245	34	1378.	*	1	0900	109	619.	*	1	1515	184	197.	*	1	2130	259	160.
1	0250	35	1509.	*	1	0905	110	583.	*	1	1520	185	196.	*	1	2135	260	160.
1	0255	36	1627.	*	1	0910	111	551.	*	1	1525	186	195.	*	1	2140	261	160.
1	0300	37	1736.	*	1	0915	112	524.	*	1	1530	187	194.	*	1	2145	262	159.
1	0305	38	1845.	*	1	0920	113	499.	*	1	1535	188	194.	*	1	2150	263	159.
1	0310	39	1971.	*	1	0925	114	477.	*	1	1540	189	193.	*	1	2155	264	159.
1	0315	40	2140.	*	1	0930	115	458.	*	1	1545	190	192.	*	1	2200	265	158.
1	0320	41	2393.	*	1	0935	116	440.	*	1	1550	191	192.	*	1	2205	266	158.
1	0325	42	2795.	*	1	0940	117	423.	*	1	1555	192	191.	*	1	2210	267	158.
1	0330	43	3434.	*	1	0945	118	409.	*	1	1600	193	190.	*	1	2215	268	157.
1	0335	44	4450.	*	1	0950	119	396.	*	1	1605	194	190.	*	1	2220	269	157.
1	0340	45	5994.	*	1	0955	120	384.	*	1	1610	195	189.	*	1	2225	270	157.
1	0345	46	8094.	*	1	1000	121	373.	*	1	1615	196	188.	*	1	2230	271	156.
1	0350	47	10403.	*	1	1005	122	364.	*	1	1620	197	188.	*	1	2235	272	156.
1	0355	48	12269.	*	1	1010	123	355.	*	1	1625	198	187.	*	1	2240	273	156.
1	0400	49	13359.	*	1	1015	124	347.	*	1	1630	199	186.	*	1	2245	274	155.
1	0405	50	13860.	*	1	1020	125	340.	*	1	1635	200	186.	*	1	2250	275	155.
1	0410	51	14040.	*	1	1025	126	333.	*	1	1640	201	185.	*	1	2255	276	155.
1	0415	52	14006.	*	1	1030	127	327.	*	1	1645	202	184.	*	1	2300	277	154.
1	0420	53	13803.	*	1	1035	128	321.	*	1	1650	203	184.	*	1	2305	278	154.
1	0425	54	13492.	*	1	1040	129	315.	*	1	1655	204	183.	*	1	2310	279	153.
1	0430	55	13141.	*	1	1045	130	310.	*	1	1700	205	183.	*	1	2315	280	153.
1	0435	56	12790.	*	1	1050	131	305.	*	1	1705	206	182.	*	1	2320	281	153.
1	0440	57	12465.	*	1	1055	132	301.	*	1	1710	207	182.	*	1	2325	282	152.
1	0445	58	12197.	*	1	1100	133	297.	*	1	1715	208	181.	*	1	2330	283	152.
1	0450	59	12029.	*	1	1105	134	292.	*	1	1720	209	181.	*	1	2335	284	151.
1	0455	60	11994.	*	1	1110	135	289.	*	1	1725	210	180.	*	1	2340	285	151.
1	0500	61	12096.	*	1	1115	136	285.	*	1	1730	211	179.	*	1	2345	286	150.
1	0505	62	12289.	*	1	1120	137	281.	*	1	1735	212	179.	*	1	2350	287	150.
1	0510	63	12492.	*	1	1125	138	278.	*	1	1740	213	178.	*	1	2355	288	149.
1	0515	64	12616.	*	1	1130	139	275.	*	1	1745	214	178.	*	2	0000	289	149.
1	0520	65	12612.	*	1	1135	140	271.	*	1	1750	215	177.	*	2	0005	290	148.
1	0525	66	12476.	*	1	1140	141	268.	*	1	1755	216	177.	*	2	0010	291	148.
1	0530	67	12232.	*	1	1145	142	266.	*	1	1800	217	176.	*	2	0015	292	147.
1	0535	68	11912.	*	1	1150	143	263.	*	1	1805	218	176.	*	2	0020	293	147.
1	0540	69	11555.	*	1	1155	144	260.	*	1	1810	219	175.	*	2	0025	294	146.
1	0545	70	11190.	*	1	1200	145	258.	*	1	1815	220	175.	*	2	0030	295	146.
1	0550	71	10837.	*	1	1205	146	255.	*	1	1820	221	175.	*	2	0035	296	145.
1	0555	72	10506.	*	1	1210	147	253.	*	1	1825	222	174.	*	2	0040	297	145.
1	0600	73	10202.	*	1	1215	148	251.	*	1	1830	223	174.	*	2	0045	298	144.
1	0605	74	9925.	*	1	1220	149	248.	*	1	1835	224	173.	*	2	0050	299	143.
1	0610	75	9671.	*	1	1225	150	246.	*	1	1840	225	173.	*	2	0055	300	143.

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	24.92-HR
+	14040.	7618.	2084.	2007.	2007.
		(INCHES)	.371	.406	.406
		(AC-FT)	3777.	4133.	4133.
CUMULATIVE AREA = 190.83 SQ MI					

HYDROGRAPH AT STATION CCCA10-C
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .59

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	0000	1	1.	*	1	0615	76	9174.	*	1	1230	151	234.	*	1	1845	226	167.					
1	0005	2	1.	*	1	0620	77	8962.	*	1	1235	152	232.	*	1	1850	227	167.					
1	0010	3	1.	*	1	0625	78	8763.	*	1	1240	153	230.	*	1	1855	228	166.					
1	0015	4	1.	*	1	0630	79	8573.	*	1	1245	154	227.	*	1	1900	229	166.					
1	0020	5	1.	*	1	0635	80	8390.	*	1	1250	155	225.	*	1	1905	230	166.					
1	0025	6	1.	*	1	0640	81	8213.	*	1	1255	156	223.	*	1	1910	231	165.					
1	0030	7	1.	*	1	0645	82	8042.	*	1	1300	157	221.	*	1	1915	232	165.					
1	0035	8	1.	*	1	0650	83	7878.	*	1	1305	158	220.	*	1	1920	233	165.					
1	0040	9	1.	*	1	0655	84	7723.	*	1	1310	159	218.	*	1	1925	234	164.					
1	0045	10	1.	*	1	0700	85	7581.	*	1	1315	160	216.	*	1	1930	235	164.					
1	0050	11	2.	*	1	0705	86	7446.	*	1	1320	161	215.	*	1	1935	236	164.					
1	0055	12	3.	*	1	0710	87	7243.	*	1	1325	162	213.	*	1	1940	237	163.					
1	0100	13	7.	*	1	0715	88	6772.	*	1	1330	163	212.	*	1	1945	238	163.					
1	0105	14	17.	*	1	0720	89	5881.	*	1	1335	164	211.	*	1	1950	239	163.					
1	0110	15	35.	*	1	0725	90	4749.	*	1	1340	165	209.	*	1	1955	240	162.					
1	0115	16	63.	*	1	0730	91	3699.	*	1	1345	166	208.	*	1	2000	241	162.					
1	0120	17	96.	*	1	0735	92	2935.	*	1	1350	167	207.	*	1	2005	242	162.					
1	0125	18	129.	*	1	0740	93	2458.	*	1	1355	168	206.	*	1	2010	243	161.					
1	0130	19	159.	*	1	0745	94	2177.	*	1	1400	169	204.	*	1	2015	244	161.					
1	0135	20	184.	*	1	0750	95	1984.	*	1	1405	170	203.	*	1	2020	245	161.					
1	0140	21	206.	*	1	0755	96	1821.	*	1	1410	171	202.	*	1	2025	246	160.					

1	0145	22	228.	*	1	0800	97	1668.	*	1	1415	172	201.	*	1	2030	247	160.
1	0150	23	253.	*	1	0805	98	1522.	*	1	1420	173	200.	*	1	2035	248	160.
1	0155	24	285.	*	1	0810	99	1382.	*	1	1425	174	199.	*	1	2040	249	159.
1	0200	25	326.	*	1	0815	100	1253.	*	1	1430	175	198.	*	1	2045	250	159.
1	0205	26	380.	*	1	0820	101	1135.	*	1	1435	176	198.	*	1	2050	251	159.
1	0210	27	447.	*	1	0825	102	1031.	*	1	1440	177	197.	*	1	2055	252	158.
1	0215	28	527.	*	1	0830	103	939.	*	1	1445	178	196.	*	1	2100	253	158.
1	0220	29	618.	*	1	0835	104	859.	*	1	1450	179	195.	*	1	2105	254	158.
1	0225	30	718.	*	1	0840	105	790.	*	1	1455	180	194.	*	1	2110	255	157.
1	0230	31	827.	*	1	0845	106	732.	*	1	1500	181	193.	*	1	2115	256	157.
1	0235	32	945.	*	1	0850	107	682.	*	1	1505	182	192.	*	1	2120	257	157.
1	0240	33	1068.	*	1	0855	108	639.	*	1	1510	183	191.	*	1	2125	258	156.
1	0245	34	1192.	*	1	0900	109	600.	*	1	1515	184	191.	*	1	2130	259	156.
1	0250	35	1311.	*	1	0905	110	566.	*	1	1520	185	190.	*	1	2135	260	156.
1	0255	36	1421.	*	1	0910	111	536.	*	1	1525	186	189.	*	1	2140	261	155.
1	0300	37	1525.	*	1	0915	112	509.	*	1	1530	187	188.	*	1	2145	262	155.
1	0305	38	1630.	*	1	0920	113	485.	*	1	1535	188	188.	*	1	2150	263	154.
1	0310	39	1749.	*	1	0925	114	464.	*	1	1540	189	187.	*	1	2155	264	154.
1	0315	40	1903.	*	1	0930	115	445.	*	1	1545	190	186.	*	1	2200	265	154.
1	0320	41	2128.	*	1	0935	116	428.	*	1	1550	191	186.	*	1	2205	266	153.
1	0325	42	2483.	*	1	0940	117	413.	*	1	1555	192	185.	*	1	2210	267	153.
1	0330	43	3051.	*	1	0945	118	399.	*	1	1600	193	184.	*	1	2215	268	152.
1	0335	44	3956.	*	1	0950	119	387.	*	1	1605	194	184.	*	1	2220	269	152.
1	0340	45	5343.	*	1	0955	120	375.	*	1	1610	195	183.	*	1	2225	270	151.
1	0345	46	7282.	*	1	1000	121	365.	*	1	1615	196	182.	*	1	2230	271	151.
1	0350	47	9537.	*	1	1005	122	355.	*	1	1620	197	182.	*	1	2235	272	150.
1	0355	48	11542.	*	1	1010	123	346.	*	1	1625	198	181.	*	1	2240	273	150.
1	0400	49	12800.	*	1	1015	124	338.	*	1	1630	199	181.	*	1	2245	274	149.
1	0405	50	13349.	*	1	1020	125	331.	*	1	1635	200	180.	*	1	2250	275	149.
1	0410	51	13516.	*	1	1025	126	324.	*	1	1640	201	179.	*	1	2255	276	148.
1	0415	52	13500.	*	1	1030	127	317.	*	1	1645	202	179.	*	1	2300	277	148.
1	0420	53	13349.	*	1	1035	128	311.	*	1	1650	203	178.	*	1	2305	278	148.
1	0425	54	13086.	*	1	1040	129	306.	*	1	1655	204	178.	*	1	2310	279	147.
1	0430	55	12760.	*	1	1045	130	301.	*	1	1700	205	177.	*	1	2315	280	147.
1	0435	56	12415.	*	1	1050	131	296.	*	1	1705	206	177.	*	1	2320	281	146.
1	0440	57	12087.	*	1	1055	132	291.	*	1	1710	207	176.	*	1	2325	282	146.
1	0445	58	11817.	*	1	1100	133	287.	*	1	1715	208	176.	*	1	2330	283	145.
1	0450	59	11650.	*	1	1105	134	283.	*	1	1720	209	175.	*	1	2335	284	144.
1	0455	60	11616.	*	1	1110	135	279.	*	1	1725	210	175.	*	1	2340	285	144.
1	0500	61	11711.	*	1	1115	136	275.	*	1	1730	211	174.	*	1	2345	286	143.
1	0505	62	11896.	*	1	1120	137	272.	*	1	1735	212	174.	*	1	2350	287	143.
1	0510	63	12088.	*	1	1125	138	269.	*	1	1740	213	173.	*	1	2355	288	142.
1	0515	64	12206.	*	1	1130	139	265.	*	1	1745	214	173.	*	2	0000	289	142.
1	0520	65	12205.	*	1	1135	140	262.	*	1	1750	215	172.	*	2	0005	290	141.
1	0525	66	12080.	*	1	1140	141	260.	*	1	1755	216	172.	*	2	0010	291	140.
1	0530	67	11852.	*	1	1145	142	257.	*	1	1800	217	171.	*	2	0015	292	140.
1	0535	68	11550.	*	1	1150	143	254.	*	1	1805	218	171.	*	2	0020	293	139.
1	0540	69	11212.	*	1	1155	144	252.	*	1	1810	219	170.	*	2	0025	294	139.
1	0545	70	10864.	*	1	1200	145	249.	*	1	1815	220	170.	*	2	0030	295	138.
1	0550	71	10526.	*	1	1205	146	247.	*	1	1820	221	169.	*	2	0035	296	138.
1	0555	72	10207.	*	1	1210	147	244.	*	1	1825	222	169.	*	2	0040	297	137.
1	0600	73	9914.	*	1	1215	148	242.	*	1	1830	223	168.	*	2	0045	298	136.
1	0605	74	9645.	*	1	1220	149	239.	*	1	1835	224	168.	*	2	0050	299	136.
1	0610	75	9400.	*	1	1225	150	237.	*	1	1840	225	168.	*	2	0055	300	135.

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	24.92-HR
13516.	4.17	7177.	1965.	1893.	1893.
		(INCHES)	.350	.383	.383
		(AC-FT)	3559.	3897.	3898.

CUMULATIVE AREA = 190.83 SQ MI

HYDROGRAPH AT STATION CCCA10-C
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .56

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	0000	1	1.	*	1	0615	76	8855.	*	1	1230	151	223.	*	1	1845	226	162.					
1	0005	2	1.	*	1	0620	77	8651.	*	1	1235	152	221.	*	1	1850	227	162.					
1	0010	3	1.	*	1	0625	78	8459.	*	1	1240	153	219.	*	1	1855	228	161.					
1	0015	4	1.	*	1	0630	79	8275.	*	1	1245	154	217.	*	1	1900	229	161.					
1	0020	5	1.	*	1	0635	80	8099.	*	1	1250	155	216.	*	1	1905	230	160.					
1	0025	6	1.	*	1	0640	81	7931.	*	1	1255	156	214.	*	1	1910	231	160.					
1	0030	7	1.	*	1	0645	82	7774.	*	1	1300	157	212.	*	1	1915	232	160.					
1	0035	8	1.	*	1	0650	83	7632.	*	1	1305	158	211.	*	1	1920	233	159.					
1	0040	9	1.	*	1	0655	84	7468.	*	1	1310	159	209.	*	1	1925	234	159.					
1	0045	10	1.	*	1	0700	85	7109.	*	1	1315	160	208.	*	1	1930	235	159.					
1	0050	11	2.	*	1	0705	86	6327.	*	1	1320	161	206.	*	1	1935	236	158.					
1	0055	12	3.	*	1	0710	87	5203.	*	1	1325	162	205.	*	1	1940	237	158.					
1	0100	13	5.	*	1	0715	88	4109.	*	1	1330	163	204.	*	1	1945	238	158.					
1	0105	14	11.	*	1	0720	89	3301.	*	1	1335	164	202.	*	1	1950	239	157.					
1	0110	15	24.	*	1	0725	90	2802.	*	1	1340	165	201.	*	1	1955	240	157.					
1	0115	16	45.	*	1	0730	91	2501.	*	1	1345	166	200.	*	1	2000	241	157.					
1	0120	17	72.	*	1	0735	92	2294.	*	1	1350	167	199.	*	1	2005	242	156.					

1	0125	18	100.	*	1	0740	93	2121.	*	1	1355	168	198.	*	1	2010	243	156.
1	0130	19	126.	*	1	0745	94	1961.	*	1	1400	169	196.	*	1	2015	244	156.
1	0135	20	148.	*	1	0750	95	1809.	*	1	1405	170	195.	*	1	2020	245	155.
1	0140	21	167.	*	1	0755	96	1663.	*	1	1410	171	194.	*	1	2025	246	155.
1	0145	22	185.	*	1	0800	97	1524.	*	1	1415	172	193.	*	1	2030	247	154.
1	0150	23	204.	*	1	0805	98	1391.	*	1	1420	173	192.	*	1	2035	248	154.
1	0155	24	229.	*	1	0810	99	1267.	*	1	1425	174	191.	*	1	2040	249	153.
1	0200	25	261.	*	1	0815	100	1152.	*	1	1430	175	190.	*	1	2045	250	153.
1	0205	26	304.	*	1	0820	101	1049.	*	1	1435	176	190.	*	1	2050	251	152.
1	0210	27	358.	*	1	0825	102	958.	*	1	1440	177	189.	*	1	2055	252	152.
1	0215	28	424.	*	1	0830	103	880.	*	1	1445	178	188.	*	1	2100	253	151.
1	0220	29	500.	*	1	0835	104	811.	*	1	1450	179	187.	*	1	2105	254	151.
1	0225	30	584.	*	1	0840	105	751.	*	1	1455	180	186.	*	1	2110	255	151.
1	0230	31	675.	*	1	0845	106	699.	*	1	1500	181	185.	*	1	2115	256	150.
1	0235	32	775.	*	1	0850	107	654.	*	1	1505	182	185.	*	1	2120	257	150.
1	0240	33	881.	*	1	0855	108	613.	*	1	1510	183	184.	*	1	2125	258	149.
1	0245	34	987.	*	1	0900	109	576.	*	1	1515	184	183.	*	1	2130	259	149.
1	0250	35	1090.	*	1	0905	110	543.	*	1	1520	185	182.	*	1	2135	260	148.
1	0255	36	1186.	*	1	0910	111	514.	*	1	1525	186	182.	*	1	2140	261	148.
1	0300	37	1278.	*	1	0915	112	488.	*	1	1530	187	181.	*	1	2145	262	147.
1	0305	38	1374.	*	1	0920	113	464.	*	1	1535	188	180.	*	1	2150	263	147.
1	0310	39	1484.	*	1	0925	114	444.	*	1	1540	189	180.	*	1	2155	264	146.
1	0315	40	1624.	*	1	0930	115	425.	*	1	1545	190	179.	*	1	2200	265	146.
1	0320	41	1821.	*	1	0935	116	409.	*	1	1550	191	178.	*	1	2205	266	145.
1	0325	42	2124.	*	1	0940	117	394.	*	1	1555	192	178.	*	1	2210	267	145.
1	0330	43	2608.	*	1	0945	118	381.	*	1	1600	193	177.	*	1	2215	268	144.
1	0335	44	3373.	*	1	0950	119	369.	*	1	1605	194	177.	*	1	2220	269	144.
1	0340	45	4579.	*	1	0955	120	358.	*	1	1610	195	176.	*	1	2225	270	143.
1	0345	46	6297.	*	1	1000	121	348.	*	1	1615	196	175.	*	1	2230	271	143.
1	0350	47	8416.	*	1	1005	122	339.	*	1	1620	197	175.	*	1	2235	272	142.
1	0355	48	10502.	*	1	1010	123	331.	*	1	1625	198	174.	*	1	2240	273	141.
1	0400	49	12019.	*	1	1015	124	323.	*	1	1630	199	174.	*	1	2245	274	141.
1	0405	50	12783.	*	1	1020	125	316.	*	1	1635	200	173.	*	1	2250	275	140.
1	0410	51	12984.	*	1	1025	126	310.	*	1	1640	201	173.	*	1	2255	276	140.
1	0415	52	12946.	*	1	1030	127	304.	*	1	1645	202	172.	*	1	2300	277	139.
1	0420	53	12821.	*	1	1035	128	298.	*	1	1650	203	172.	*	1	2305	278	139.
1	0425	54	12606.	*	1	1040	129	293.	*	1	1655	204	171.	*	1	2310	279	138.
1	0430	55	12301.	*	1	1045	130	288.	*	1	1700	205	171.	*	1	2315	280	137.
1	0435	56	11955.	*	1	1050	131	284.	*	1	1705	206	170.	*	1	2320	281	137.
1	0440	57	11625.	*	1	1055	132	279.	*	1	1710	207	170.	*	1	2325	282	136.
1	0445	58	11363.	*	1	1100	133	275.	*	1	1715	208	169.	*	1	2330	283	136.
1	0450	59	11203.	*	1	1105	134	271.	*	1	1720	209	169.	*	1	2335	284	135.
1	0455	60	11172.	*	1	1110	135	267.	*	1	1725	210	168.	*	1	2340	285	135.
1	0500	61	11260.	*	1	1115	136	264.	*	1	1730	211	168.	*	1	2345	286	134.
1	0505	62	11430.	*	1	1120	137	261.	*	1	1735	212	167.	*	1	2350	287	134.
1	0510	63	11609.	*	1	1125	138	258.	*	1	1740	213	167.	*	1	2355	288	133.
1	0515	64	11723.	*	1	1130	139	255.	*	1	1745	214	166.	*	2	0000	289	133.
1	0520	65	11725.	*	1	1135	140	252.	*	1	1750	215	166.	*	2	0005	290	132.
1	0525	66	11611.	*	1	1140	141	249.	*	1	1755	216	166.	*	2	0010	291	132.
1	0530	67	11399.	*	1	1145	142	246.	*	1	1800	217	165.	*	2	0015	292	131.
1	0535	68	11120.	*	1	1150	143	244.	*	1	1805	218	165.	*	2	0020	293	131.
1	0540	69	10802.	*	1	1155	144	241.	*	1	1810	219	164.	*	2	0025	294	130.
1	0545	70	10474.	*	1	1200	145	238.	*	1	1815	220	164.	*	2	0030	295	130.
1	0550	71	10153.	*	1	1205	146	235.	*	1	1820	221	164.	*	2	0035	296	129.
1	0555	72	9850.	*	1	1210	147	233.	*	1	1825	222	163.	*	2	0040	297	129.
1	0600	73	9569.	*	1	1215	148	230.	*	1	1830	223	163.	*	2	0045	298	128.
1	0605	74	9310.	*	1	1220	149	228.	*	1	1835	224	163.	*	2	0050	299	128.
1	0610	75	9074.	*	1	1225	150	226.	*	1	1840	225	162.	*	2	0055	300	127.

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	(CFS)	6-HR	24-HR	72-HR	24.92-HR
+	12984.	4.17	6665.	1827.	1759.	1759.
		(INCHES)	.325	.356	.356	.356
		(AC-FT)	3305.	3623.	3623.	3623.

CUMULATIVE AREA = 190.83 SQ MI

HYDROGRAPH AT STATION CCCA10-C
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .54

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	0000	1	1.	*	1	0615	76	8572.	*	1	1230	151	214.	*	1	1845	226	157.					
1	0005	2	1.	*	1	0620	77	8375.	*	1	1235	152	212.	*	1	1850	227	157.					
1	0010	3	1.	*	1	0625	78	8191.	*	1	1240	153	210.	*	1	1855	228	156.					
1	0015	4	1.	*	1	0630	79	8023.	*	1	1245	154	209.	*	1	1900	229	156.					
1	0020	5	1.	*	1	0635	80	7870.	*	1	1250	155	207.	*	1	1905	230	155.					
1	0025	6	1.	*	1	0640	81	7698.	*	1	1255	156	205.	*	1	1910	231	155.					
1	0030	7	1.	*	1	0645	82	7338.	*	1	1300	157	204.	*	1	1915	232	155.					
1	0035	8	1.	*	1	0650	83	6572.	*	1	1305	158	202.	*	1	1920	233	154.					
1	0040	9	1.	*	1	0655	84	5492.	*	1	1310	159	201.	*	1	1925	234	154.					
1	0045	10	1.	*	1	0700	85	4475.	*	1	1315	160	199.	*	1	1930	235	153.					
1	0050	11	1.	*	1	0705	86	3753.	*	1	1320	161	198.	*	1	1935	236	153.					
1	0055	12	2.	*	1	0710	87	3301.	*	1	1325	162	197.	*	1	1940	237	152.					
1	0100	13	4.	*	1	0715	88	3002.	*	1	1330	163	196.	*	1	1945	238	152.					

1	0105	14	8.	*	1	0720	89	2768.	*	1	1335	164	194.	*	1	1950	239	151.
1	0110	15	17.	*	1	0725	90	2558.	*	1	1340	165	193.	*	1	1955	240	151.
1	0115	16	33.	*	1	0730	91	2361.	*	1	1345	166	192.	*	1	2000	241	150.
1	0120	17	54.	*	1	0735	92	2175.	*	1	1350	167	191.	*	1	2005	242	150.
1	0125	18	78.	*	1	0740	93	2000.	*	1	1355	168	190.	*	1	2010	243	149.
1	0130	19	100.	*	1	0745	94	1836.	*	1	1400	169	189.	*	1	2015	244	149.
1	0135	20	120.	*	1	0750	95	1684.	*	1	1405	170	188.	*	1	2020	245	148.
1	0140	21	137.	*	1	0755	96	1541.	*	1	1410	171	187.	*	1	2025	246	148.
1	0145	22	152.	*	1	0800	97	1407.	*	1	1415	172	186.	*	1	2030	247	147.
1	0150	23	168.	*	1	0805	98	1284.	*	1	1420	173	185.	*	1	2035	248	147.
1	0155	24	187.	*	1	0810	99	1171.	*	1	1425	174	184.	*	1	2040	249	146.
1	0200	25	213.	*	1	0815	100	1069.	*	1	1430	175	183.	*	1	2045	250	146.
1	0205	26	247.	*	1	0820	101	979.	*	1	1435	176	183.	*	1	2050	251	146.
1	0210	27	292.	*	1	0825	102	900.	*	1	1440	177	182.	*	1	2055	252	145.
1	0215	28	347.	*	1	0830	103	831.	*	1	1445	178	181.	*	1	2100	253	145.
1	0220	29	412.	*	1	0835	104	772.	*	1	1450	179	180.	*	1	2105	254	144.
1	0225	30	483.	*	1	0840	105	720.	*	1	1455	180	179.	*	1	2110	255	143.
1	0230	31	561.	*	1	0845	106	674.	*	1	1500	181	179.	*	1	2115	256	143.
1	0235	32	644.	*	1	0850	107	633.	*	1	1505	182	178.	*	1	2120	257	142.
1	0240	33	734.	*	1	0855	108	596.	*	1	1510	183	177.	*	1	2125	258	142.
1	0245	34	827.	*	1	0900	109	561.	*	1	1515	184	177.	*	1	2130	259	141.
1	0250	35	919.	*	1	0905	110	530.	*	1	1520	185	176.	*	1	2135	260	141.
1	0255	36	1003.	*	1	0910	111	501.	*	1	1525	186	175.	*	1	2140	261	140.
1	0300	37	1083.	*	1	0915	112	476.	*	1	1530	187	175.	*	1	2145	262	139.
1	0305	38	1165.	*	1	0920	113	453.	*	1	1535	188	174.	*	1	2150	263	139.
1	0310	39	1262.	*	1	0925	114	432.	*	1	1540	189	173.	*	1	2155	264	138.
1	0315	40	1386.	*	1	0930	115	413.	*	1	1545	190	173.	*	1	2200	265	138.
1	0320	41	1560.	*	1	0935	116	397.	*	1	1550	191	172.	*	1	2205	266	137.
1	0325	42	1823.	*	1	0940	117	382.	*	1	1555	192	172.	*	1	2210	267	137.
1	0330	43	2242.	*	1	0945	118	369.	*	1	1600	193	171.	*	1	2215	268	136.
1	0335	44	2905.	*	1	0950	119	357.	*	1	1605	194	171.	*	1	2220	269	135.
1	0340	45	3937.	*	1	0955	120	346.	*	1	1610	195	170.	*	1	2225	270	135.
1	0345	46	5457.	*	1	1000	121	336.	*	1	1615	196	169.	*	1	2230	271	134.
1	0350	47	7403.	*	1	1005	122	327.	*	1	1620	197	169.	*	1	2235	272	134.
1	0355	48	9469.	*	1	1010	123	319.	*	1	1625	198	168.	*	1	2240	273	133.
1	0400	49	11166.	*	1	1015	124	311.	*	1	1630	199	168.	*	1	2245	274	133.
1	0405	50	12175.	*	1	1020	125	305.	*	1	1635	200	167.	*	1	2250	275	132.
1	0410	51	12554.	*	1	1025	126	298.	*	1	1640	201	167.	*	1	2255	276	132.
1	0415	52	12534.	*	1	1030	127	292.	*	1	1645	202	166.	*	1	2300	277	131.
1	0420	53	12355.	*	1	1035	128	287.	*	1	1650	203	166.	*	1	2305	278	131.
1	0425	54	12133.	*	1	1040	129	281.	*	1	1655	204	166.	*	1	2310	279	130.
1	0430	55	11863.	*	1	1045	130	277.	*	1	1700	205	165.	*	1	2315	280	130.
1	0435	56	11534.	*	1	1050	131	272.	*	1	1705	206	165.	*	1	2320	281	129.
1	0440	57	11205.	*	1	1055	132	268.	*	1	1710	207	164.	*	1	2325	282	129.
1	0445	58	10950.	*	1	1100	133	264.	*	1	1715	208	164.	*	1	2330	283	128.
1	0450	59	10803.	*	1	1105	134	260.	*	1	1720	209	164.	*	1	2335	284	128.
1	0455	60	10774.	*	1	1110	135	257.	*	1	1725	210	163.	*	1	2340	285	127.
1	0500	61	10856.	*	1	1115	136	254.	*	1	1730	211	163.	*	1	2345	286	127.
1	0505	62	11013.	*	1	1120	137	251.	*	1	1735	212	162.	*	1	2350	287	126.
1	0510	63	11180.	*	1	1125	138	248.	*	1	1740	213	162.	*	1	2355	288	126.
1	0515	64	11287.	*	1	1130	139	245.	*	1	1745	214	162.	*	2	0000	289	125.
1	0520	65	11292.	*	1	1135	140	242.	*	1	1750	215	161.	*	2	0005	290	125.
1	0525	66	11189.	*	1	1140	141	239.	*	1	1755	216	161.	*	2	0010	291	124.
1	0530	67	10992.	*	1	1145	142	236.	*	1	1800	217	160.	*	2	0015	292	124.
1	0535	68	10730.	*	1	1150	143	233.	*	1	1805	218	160.	*	2	0020	293	123.
1	0540	69	10432.	*	1	1155	144	230.	*	1	1810	219	160.	*	2	0025	294	123.
1	0545	70	10121.	*	1	1200	145	228.	*	1	1815	220	159.	*	2	0030	295	122.
1	0550	71	9816.	*	1	1205	146	225.	*	1	1820	221	159.	*	2	0035	296	122.
1	0555	72	9527.	*	1	1210	147	223.	*	1	1825	222	159.	*	2	0040	297	121.
1	0600	73	9258.	*	1	1215	148	221.	*	1	1830	223	158.	*	2	0045	298	121.
1	0605	74	9011.	*	1	1220	149	218.	*	1	1835	224	158.	*	2	0050	299	120.
1	0610	75	8783.	*	1	1225	150	216.	*	1	1840	225	158.	*	2	0055	300	120.

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
12554.	4.17	6204.	1703.	1640.	1640.
		(INCHES) .302	.332	.332	.332
		(AC-FT) 3076.	3377.	3377.	3377.

CUMULATIVE AREA = 190.83 SQ MI

HYDROGRAPH AT STATION CCCA10-C
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .52

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	0000	1	1.	*	1	0615	76	8347.	*	1	1230	151	206.	*	1	1845	226	151.					
1	0005	2	1.	*	1	0620	77	8177.	*	1	1235	152	204.	*	1	1850	227	151.					
1	0010	3	1.	*	1	0625	78	8006.	*	1	1240	153	202.	*	1	1855	228	150.					
1	0015	4	1.	*	1	0630	79	7689.	*	1	1245	154	201.	*	1	1900	229	150.					
1	0020	5	1.	*	1	0635	80	6994.	*	1	1250	155	199.	*	1	1905	230	149.					
1	0025	6	1.	*	1	0640	81	5984.	*	1	1255	156	198.	*	1	1910	231	149.					
1	0030	7	1.	*	1	0645	82	5003.	*	1	1300	157	196.	*	1	1915	232	148.					
1	0035	8	1.	*	1	0650	83	4281.	*	1	1305	158	195.	*	1	1920	233	148.					
1	0040	9	1.	*	1	0655	84	3818.	*	1	1310	159	193.	*	1	1925	234	147.					

1	0045	10	1.	*	1	0700	85	3501.	*	1	1315	160	192.	*	1	1930	235	147.
1	0050	11	1.	*	1	0705	86	3244.	*	1	1320	161	191.	*	1	1935	236	146.
1	0055	12	2.	*	1	0710	87	3011.	*	1	1325	162	190.	*	1	1940	237	146.
1	0100	13	3.	*	1	0715	88	2792.	*	1	1330	163	189.	*	1	1945	238	145.
1	0105	14	6.	*	1	0720	89	2584.	*	1	1335	164	187.	*	1	1950	239	145.
1	0110	15	12.	*	1	0725	90	2388.	*	1	1340	165	186.	*	1	1955	240	144.
1	0115	16	24.	*	1	0730	91	2204.	*	1	1345	166	185.	*	1	2000	241	144.
1	0120	17	41.	*	1	0735	92	2030.	*	1	1350	167	184.	*	1	2005	242	143.
1	0125	18	60.	*	1	0740	93	1863.	*	1	1355	168	183.	*	1	2010	243	143.
1	0130	19	79.	*	1	0745	94	1705.	*	1	1400	169	182.	*	1	2015	244	142.
1	0135	20	96.	*	1	0750	95	1555.	*	1	1405	170	182.	*	1	2020	245	142.
1	0140	21	111.	*	1	0755	96	1417.	*	1	1410	171	181.	*	1	2025	246	141.
1	0145	22	124.	*	1	0800	97	1292.	*	1	1415	172	180.	*	1	2030	247	141.
1	0150	23	137.	*	1	0805	98	1181.	*	1	1420	173	179.	*	1	2035	248	140.
1	0155	24	153.	*	1	0810	99	1082.	*	1	1425	174	178.	*	1	2040	249	139.
1	0200	25	173.	*	1	0815	100	994.	*	1	1430	175	177.	*	1	2045	250	139.
1	0205	26	201.	*	1	0820	101	916.	*	1	1435	176	177.	*	1	2050	251	138.
1	0210	27	238.	*	1	0825	102	848.	*	1	1440	177	176.	*	1	2055	252	138.
1	0215	28	284.	*	1	0830	103	787.	*	1	1445	178	175.	*	1	2100	253	137.
1	0220	29	338.	*	1	0835	104	733.	*	1	1450	179	174.	*	1	2105	254	137.
1	0225	30	399.	*	1	0840	105	685.	*	1	1455	180	174.	*	1	2110	255	136.
1	0230	31	465.	*	1	0845	106	642.	*	1	1500	181	173.	*	1	2115	256	135.
1	0235	32	536.	*	1	0850	107	603.	*	1	1505	182	172.	*	1	2120	257	135.
1	0240	33	611.	*	1	0855	108	567.	*	1	1510	183	172.	*	1	2125	258	134.
1	0245	34	691.	*	1	0900	109	535.	*	1	1515	184	171.	*	1	2130	259	134.
1	0250	35	772.	*	1	0905	110	506.	*	1	1520	185	170.	*	1	2135	260	133.
1	0255	36	849.	*	1	0910	111	479.	*	1	1525	186	170.	*	1	2140	261	133.
1	0300	37	922.	*	1	0915	112	455.	*	1	1530	187	169.	*	1	2145	262	132.
1	0305	38	994.	*	1	0920	113	434.	*	1	1535	188	169.	*	1	2150	263	132.
1	0310	39	1077.	*	1	0925	114	414.	*	1	1540	189	168.	*	1	2155	264	131.
1	0315	40	1185.	*	1	0930	115	397.	*	1	1545	190	168.	*	1	2200	265	130.
1	0320	41	1337.	*	1	0935	116	381.	*	1	1550	191	167.	*	1	2205	266	130.
1	0325	42	1567.	*	1	0940	117	367.	*	1	1555	192	167.	*	1	2210	267	129.
1	0330	43	1931.	*	1	0945	118	354.	*	1	1600	193	166.	*	1	2215	268	129.
1	0335	44	2506.	*	1	0950	119	343.	*	1	1605	194	166.	*	1	2220	269	128.
1	0340	45	3395.	*	1	0955	120	333.	*	1	1610	195	165.	*	1	2225	270	128.
1	0345	46	4732.	*	1	1000	121	323.	*	1	1615	196	165.	*	1	2230	271	127.
1	0350	47	6495.	*	1	1005	122	315.	*	1	1620	197	164.	*	1	2235	272	127.
1	0355	48	8459.	*	1	1010	123	307.	*	1	1625	198	164.	*	1	2240	273	126.
1	0400	49	10239.	*	1	1015	124	300.	*	1	1630	199	163.	*	1	2245	274	126.
1	0405	50	11496.	*	1	1020	125	293.	*	1	1635	200	163.	*	1	2250	275	125.
1	0410	51	12109.	*	1	1025	126	287.	*	1	1640	201	162.	*	1	2255	276	125.
1	0415	52	12225.	*	1	1030	127	282.	*	1	1645	202	162.	*	1	2300	277	124.
1	0420	53	12066.	*	1	1035	128	276.	*	1	1650	203	162.	*	1	2305	278	124.
1	0425	54	11787.	*	1	1040	129	272.	*	1	1655	204	161.	*	1	2310	279	123.
1	0430	55	11459.	*	1	1045	130	267.	*	1	1700	205	161.	*	1	2315	280	123.
1	0435	56	11131.	*	1	1050	131	263.	*	1	1705	206	160.	*	1	2320	281	122.
1	0440	57	10844.	*	1	1055	132	259.	*	1	1710	207	160.	*	1	2325	282	122.
1	0445	58	10621.	*	1	1100	133	255.	*	1	1715	208	160.	*	1	2330	283	121.
1	0450	59	10478.	*	1	1105	134	252.	*	1	1720	209	159.	*	1	2335	284	121.
1	0455	60	10436.	*	1	1110	135	248.	*	1	1725	210	159.	*	1	2340	285	120.
1	0500	61	10505.	*	1	1115	136	245.	*	1	1730	211	158.	*	1	2345	286	120.
1	0505	62	10652.	*	1	1120	137	242.	*	1	1735	212	158.	*	1	2350	287	119.
1	0510	63	10805.	*	1	1125	138	238.	*	1	1740	213	158.	*	1	2355	288	119.
1	0515	64	10905.	*	1	1130	139	235.	*	1	1745	214	157.	*	2	0000	289	118.
1	0520	65	10910.	*	1	1135	140	232.	*	1	1750	215	157.	*	2	0005	290	118.
1	0525	66	10815.	*	1	1140	141	229.	*	1	1755	216	156.	*	2	0010	291	117.
1	0530	67	10632.	*	1	1145	142	226.	*	1	1800	217	156.	*	2	0015	292	117.
1	0535	68	10388.	*	1	1150	143	223.	*	1	1805	218	155.	*	2	0020	293	116.
1	0540	69	10107.	*	1	1155	144	221.	*	1	1810	219	155.	*	2	0025	294	115.
1	0545	70	9813.	*	1	1200	145	218.	*	1	1815	220	154.	*	2	0030	295	115.
1	0550	71	9522.	*	1	1205	146	216.	*	1	1820	221	154.	*	2	0035	296	114.
1	0555	72	9245.	*	1	1210	147	214.	*	1	1825	222	153.	*	2	0040	297	113.
1	0600	73	8987.	*	1	1215	148	212.	*	1	1830	223	153.	*	2	0045	298	112.
1	0605	74	8750.	*	1	1220	149	209.	*	1	1835	224	152.	*	2	0050	299	111.
1	0610	75	8536.	*	1	1225	150	208.	*	1	1840	225	152.	*	2	0055	300	110.

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
12225.	4.25	5798.	1593.	1534.	1534.
		(INCHES) .282	.310	.310	.310
		(AC-FT) 2875.	3159.	3159.	3159.

CUMULATIVE AREA = 190.83 SQ MI

*
7486 KK * CCST03-C *
* *

7490 KO OUTPUT CONTROL VARIABLES
 IPRNT 1 PRINT CONTROL
 IPLOT 0 PLOT CONTROL
 QSCAL 0. HYDROGRAPH PLOT SCALE

HYDROGRAPH COMBINATION
ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION CCST03-C
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .61

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1		0000	1	1.	*	1		0615	76	9510.	*	1		1230	151	244.	*	1		1845	226	172.	*
1		0005	2	1.	*	1		0620	77	9287.	*	1		1235	152	242.	*	1		1850	227	172.	*
1		0010	3	1.	*	1		0625	78	9078.	*	1		1240	153	240.	*	1		1855	228	172.	*
1		0015	4	1.	*	1		0630	79	8878.	*	1		1245	154	237.	*	1		1900	229	171.	*
1		0020	5	1.	*	1		0635	80	8686.	*	1		1250	155	235.	*	1		1905	230	171.	*
1		0025	6	1.	*	1		0640	81	8502.	*	1		1255	156	233.	*	1		1910	231	170.	*
1		0030	7	1.	*	1		0645	82	8324.	*	1		1300	157	231.	*	1		1915	232	170.	*
1		0035	8	1.	*	1		0650	83	8152.	*	1		1305	158	229.	*	1		1920	233	169.	*
1		0040	9	1.	*	1		0655	84	7988.	*	1		1310	159	227.	*	1		1925	234	169.	*
1		0045	10	2.	*	1		0700	85	7833.	*	1		1315	160	225.	*	1		1930	235	169.	*
1		0050	11	2.	*	1		0705	86	7686.	*	1		1320	161	223.	*	1		1935	236	168.	*
1		0055	12	4.	*	1		0710	87	7549.	*	1		1325	162	221.	*	1		1940	237	168.	*
1		0100	13	8.	*	1		0715	88	7423.	*	1		1330	163	220.	*	1		1945	238	167.	*
1		0105	14	18.	*	1		0720	89	7290.	*	1		1335	164	218.	*	1		1950	239	167.	*
1		0110	15	37.	*	1		0725	90	7007.	*	1		1340	165	217.	*	1		1955	240	167.	*
1		0115	16	67.	*	1		0730	91	6349.	*	1		1345	166	215.	*	1		2000	241	166.	*
1		0120	17	104.	*	1		0735	92	5308.	*	1		1350	167	214.	*	1		2005	242	166.	*
1		0125	18	142.	*	1		0740	93	4165.	*	1		1355	168	213.	*	1		2010	243	166.	*
1		0130	19	177.	*	1		0745	94	3215.	*	1		1400	169	211.	*	1		2015	244	165.	*
1		0135	20	208.	*	1		0750	95	2550.	*	1		1405	170	210.	*	1		2020	245	165.	*
1		0140	21	235.	*	1		0755	96	2135.	*	1		1410	171	209.	*	1		2025	246	164.	*
1		0145	22	261.	*	1		0800	97	1881.	*	1		1415	172	208.	*	1		2030	247	164.	*
1		0150	23	291.	*	1		0805	98	1704.	*	1		1420	173	207.	*	1		2035	248	164.	*
1		0155	24	327.	*	1		0810	99	1555.	*	1		1425	174	206.	*	1		2040	249	163.	*
1		0200	25	373.	*	1		0815	100	1414.	*	1		1430	175	205.	*	1		2045	250	163.	*
1		0205	26	431.	*	1		0820	101	1279.	*	1		1435	176	204.	*	1		2050	251	163.	*
1		0210	27	505.	*	1		0825	102	1156.	*	1		1440	177	203.	*	1		2055	252	163.	*
1		0215	28	592.	*	1		0830	103	1046.	*	1		1445	178	202.	*	1		2100	253	162.	*
1		0220	29	691.	*	1		0835	104	949.	*	1		1450	179	201.	*	1		2105	254	162.	*
1		0225	30	802.	*	1		0840	105	865.	*	1		1455	180	200.	*	1		2110	255	162.	*
1		0230	31	924.	*	1		0845	106	793.	*	1		1500	181	199.	*	1		2115	256	161.	*
1		0235	32	1054.	*	1		0850	107	732.	*	1		1505	182	198.	*	1		2120	257	161.	*
1		0240	33	1191.	*	1		0855	108	680.	*	1		1510	183	198.	*	1		2125	258	161.	*
1		0245	34	1332.	*	1		0900	109	636.	*	1		1515	184	197.	*	1		2130	259	160.	*
1		0250	35	1467.	*	1		0905	110	598.	*	1		1520	185	196.	*	1		2135	260	160.	*
1		0255	36	1592.	*	1		0910	111	564.	*	1		1525	186	195.	*	1		2140	261	160.	*
1		0300	37	1707.	*	1		0915	112	535.	*	1		1530	187	195.	*	1		2145	262	159.	*
1		0305	38	1819.	*	1		0920	113	509.	*	1		1535	188	194.	*	1		2150	263	159.	*
1		0310	39	1942.	*	1		0925	114	486.	*	1		1540	189	193.	*	1		2155	264	159.	*
1		0315	40	2099.	*	1		0930	115	466.	*	1		1545	190	193.	*	1		2200	265	158.	*
1		0320	41	2329.	*	1		0935	116	447.	*	1		1550	191	192.	*	1		2205	266	158.	*
1		0325	42	2692.	*	1		0940	117	430.	*	1		1555	192	191.	*	1		2210	267	158.	*
1		0330	43	3275.	*	1		0945	118	415.	*	1		1600	193	191.	*	1		2215	268	157.	*
1		0335	44	4209.	*	1		0950	119	401.	*	1		1605	194	190.	*	1		2220	269	157.	*
1		0340	45	5660.	*	1		0955	120	389.	*	1		1610	195	189.	*	1		2225	270	157.	*
1		0345	46	7689.	*	1		1000	121	378.	*	1		1615	196	188.	*	1		2230	271	157.	*
1		0350	47	10001.	*	1		1005	122	368.	*	1		1620	197	188.	*	1		2235	272	156.	*
1		0355	48	11998.	*	1		1010	123	359.	*	1		1625	198	187.	*	1		2240	273	156.	*
1		0400	49	13271.	*	1		1015	124	350.	*	1		1630	199	187.	*	1		2245	274	156.	*
1		0405	50	13887.	*	1		1020	125	343.	*	1		1635	200	186.	*	1		2250	275	155.	*
1		0410	51	14129.	*	1		1025	126	336.	*	1		1640	201	185.	*	1		2255	276	155.	*
1		0415	52	14132.	*	1		1030	127	329.	*	1		1645	202	185.	*	1		2300	277	154.	*
1		0420	53	13954.	*	1		1035	128	323.	*	1		1650	203	184.	*	1		2305	278	154.	*
1		0425	54	13655.	*	1		1040	129	317.	*	1		1655	204	184.	*	1		2310	279	154.	*
1		0430	55	13304.	*	1		1045	130	312.	*	1		1700	205	183.	*	1		2315	280	153.	*
1		0435	56	12946.	*	1		1050	131	307.	*	1		1705	206	182.	*	1		2320	281	153.	*
1		0440	57	12609.	*	1		1055	132	303.	*	1		1710	207	182.	*	1		2325	282	152.	*
1		0445	58	12326.	*	1		1100	133	298.	*	1		1715	208	181.	*	1		2330	283	152.	*
1		0450	59	12139.	*	1		1105	134	294.	*	1		1720	209	181.	*	1		2335	284	151.	*
1		0455	60	12078.	*	1		1110	135	290.	*	1		1725	210	180.	*	1		2340	285	151.	*
1		0500	61	12152.	*	1		1115	136	286.	*	1		1730	211	180.	*	1		2345	286	150.	*
1		0505	62	12326.	*	1		1120	137	283.	*	1		1735	212	179.	*	1		2350	287	150.	*
1		0510	63	12526.	*	1		1125	138	279.	*	1		1740	213	179.	*	1		2355	288	150.	*
1		0515	64	12664.	*	1		1130	139	276.	*	1		1745	214	178.	*	2		0000	289	149.	*
1		0520	65	12685.	*	1		1135	140	273.	*	1		1750	215	178.	*	2		0005	290	149.	*
1		0525	66	12575.	*	1		1140	141	270.	*	1		1755	216	177.	*	2		0010	291	148.	*
1		0530	67	12348.	*	1		1145	142	267.	*	1		1800	217	177.	*	2		0015	292	148.	*
1		0535	68	12038.	*	1		1150	143	264.	*	1		1805	218	176.	*	2		0020	293	147.	*
1		0540	69	11683.	*	1		1155	144	261.	*	1		1810	219	176.	*	2		0025	294	147.	*
1		0545	70	11314.	*	1		1200	145	259.	*	1		1815	220	175.	*	2		0030	295	146.	*
1		0550	71	10953.	*	1		1205	146	256.	*	1		1820	221	175.	*	2		0035	296	145.	*
1		0555	72	10613.	*	1		1210	147	254.	*	1		1825	222	174.	*	2		0040	297	145.	*
1		0600	73	10299.	*	1		1215	148	252.	*	1		1830	223	174.	*	2		0045	298	144.	*
1		0605	74	10012.	*	1		1220	149	249.	*	1		1835	224	173.	*	2		0050	299	144.	*
1																							

			6-HR	24-HR	72-HR	24.92-HR
+	(CFS)	(HR)				
+	14132.	4.25	(CFS)			
			(INCHES)			
			(AC-FT)			

CUMULATIVE AREA = 191.30 SQ MI

HYDROGRAPH AT STATION CCST03-C
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .59

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	0000	1	1.	*	1	0615	76	9244.	*	1	1230	151	235.	*	1	1845	226	167.					
1	0005	2	1.	*	1	0620	77	9027.	*	1	1235	152	233.	*	1	1850	227	167.					
1	0010	3	1.	*	1	0625	78	8822.	*	1	1240	153	230.	*	1	1855	228	167.					
1	0015	4	1.	*	1	0630	79	8628.	*	1	1245	154	228.	*	1	1900	229	166.					
1	0020	5	1.	*	1	0635	80	8442.	*	1	1250	155	226.	*	1	1905	230	166.					
1	0025	6	1.	*	1	0640	81	8263.	*	1	1255	156	224.	*	1	1910	231	165.					
1	0030	7	1.	*	1	0645	82	8090.	*	1	1300	157	222.	*	1	1915	232	165.					
1	0035	8	1.	*	1	0650	83	7924.	*	1	1305	158	220.	*	1	1920	233	165.					
1	0040	9	1.	*	1	0655	84	7766.	*	1	1310	159	219.	*	1	1925	234	164.					
1	0045	10	1.	*	1	0700	85	7620.	*	1	1315	160	217.	*	1	1930	235	164.					
1	0050	11	2.	*	1	0705	86	7482.	*	1	1320	161	215.	*	1	1935	236	164.					
1	0055	12	3.	*	1	0710	87	7289.	*	1	1325	162	214.	*	1	1940	237	163.					
1	0100	13	6.	*	1	0715	88	6879.	*	1	1330	163	213.	*	1	1945	238	163.					
1	0105	14	13.	*	1	0720	89	6101.	*	1	1335	164	211.	*	1	1950	239	163.					
1	0110	15	28.	*	1	0725	90	5053.	*	1	1340	165	210.	*	1	1955	240	162.					
1	0115	16	52.	*	1	0730	91	4009.	*	1	1345	166	208.	*	1	2000	241	162.					
1	0120	17	83.	*	1	0735	92	3184.	*	1	1350	167	207.	*	1	2005	242	162.					
1	0125	18	116.	*	1	0740	93	2627.	*	1	1355	168	206.	*	1	2010	243	161.					
1	0130	19	148.	*	1	0745	94	2283.	*	1	1400	169	205.	*	1	2015	244	161.					
1	0135	20	176.	*	1	0750	95	2059.	*	1	1405	170	204.	*	1	2020	245	161.					
1	0140	21	200.	*	1	0755	96	1886.	*	1	1410	171	203.	*	1	2025	246	160.					
1	0145	22	222.	*	1	0800	97	1731.	*	1	1415	172	202.	*	1	2030	247	160.					
1	0150	23	247.	*	1	0805	98	1584.	*	1	1420	173	201.	*	1	2035	248	160.					
1	0155	24	276.	*	1	0810	99	1442.	*	1	1425	174	200.	*	1	2040	249	159.					
1	0200	25	314.	*	1	0815	100	1308.	*	1	1430	175	199.	*	1	2045	250	159.					
1	0205	26	364.	*	1	0820	101	1185.	*	1	1435	176	198.	*	1	2050	251	159.					
1	0210	27	426.	*	1	0825	102	1075.	*	1	1440	177	197.	*	1	2055	252	158.					
1	0215	28	502.	*	1	0830	103	978.	*	1	1445	178	196.	*	1	2100	253	158.					
1	0220	29	589.	*	1	0835	104	893.	*	1	1450	179	195.	*	1	2105	254	158.					
1	0225	30	685.	*	1	0840	105	819.	*	1	1455	180	194.	*	1	2110	255	157.					
1	0230	31	791.	*	1	0845	106	757.	*	1	1500	181	193.	*	1	2115	256	157.					
1	0235	32	907.	*	1	0850	107	703.	*	1	1505	182	193.	*	1	2120	257	157.					
1	0240	33	1028.	*	1	0855	108	657.	*	1	1510	183	192.	*	1	2125	258	156.					
1	0245	34	1152.	*	1	0900	109	616.	*	1	1515	184	191.	*	1	2130	259	156.					
1	0250	35	1273.	*	1	0905	110	580.	*	1	1520	185	190.	*	1	2135	260	156.					
1	0255	36	1387.	*	1	0910	111	548.	*	1	1525	186	189.	*	1	2140	261	155.					
1	0300	37	1495.	*	1	0915	112	520.	*	1	1530	187	189.	*	1	2145	262	155.					
1	0305	38	1602.	*	1	0920	113	495.	*	1	1535	188	188.	*	1	2150	263	155.					
1	0310	39	1719.	*	1	0925	114	473.	*	1	1540	189	187.	*	1	2155	264	154.					
1	0315	40	1864.	*	1	0930	115	453.	*	1	1545	190	187.	*	1	2200	265	154.					
1	0320	41	2069.	*	1	0935	116	435.	*	1	1550	191	186.	*	1	2205	266	153.					
1	0325	42	2387.	*	1	0940	117	419.	*	1	1555	192	185.	*	1	2210	267	153.					
1	0330	43	2900.	*	1	0945	118	405.	*	1	1600	193	184.	*	1	2215	268	152.					
1	0335	44	3733.	*	1	0950	119	392.	*	1	1605	194	184.	*	1	2220	269	152.					
1	0340	45	5034.	*	1	0955	120	380.	*	1	1610	195	183.	*	1	2225	270	151.					
1	0345	46	6893.	*	1	1000	121	369.	*	1	1615	196	183.	*	1	2230	271	151.					
1	0350	47	9130.	*	1	1005	122	359.	*	1	1620	197	182.	*	1	2235	272	151.					
1	0355	48	11233.	*	1	1010	123	350.	*	1	1625	198	181.	*	1	2240	273	150.					
1	0400	49	12666.	*	1	1015	124	342.	*	1	1630	199	181.	*	1	2245	274	150.					
1	0405	50	13357.	*	1	1020	125	334.	*	1	1635	200	180.	*	1	2250	275	149.					
1	0410	51	13601.	*	1	1025	126	327.	*	1	1640	201	180.	*	1	2255	276	149.					
1	0415	52	13617.	*	1	1030	127	320.	*	1	1645	202	179.	*	1	2300	277	148.					
1	0420	53	13484.	*	1	1035	128	314.	*	1	1650	203	178.	*	1	2305	278	148.					
1	0425	54	13235.	*	1	1040	129	308.	*	1	1655	204	178.	*	1	2310	279	147.					
1	0430	55	12914.	*	1	1045	130	303.	*	1	1700	205	177.	*	1	2315	280	147.					
1	0435	56	12565.	*	1	1050	131	298.	*	1	1705	206	177.	*	1	2320	281	146.					
1	0440	57	12229.	*	1	1055	132	293.	*	1	1710	207	176.	*	1	2325	282	146.					
1	0445	58	11945.	*	1	1100	133	289.	*	1	1715	208	176.	*	1	2330	283	145.					
1	0450	59	11757.	*	1	1105	134	285.	*	1	1720	209	175.	*	1	2335	284	145.					
1	0455	60	11694.	*	1	1110	135	281.	*	1	1725	210	175.	*	1	2340	285	144.					
1	0500	61	11764.	*	1	1115	136	277.	*	1	1730	211	174.	*	1	2345	286	144.					
1	0505	62	11931.	*	1	1120	137	273.	*	1	1735	212	174.	*	1	2350	287	143.					
1	0510	63	12120.	*	1	1125	138	270.	*	1	1740	213	173.	*	1	2355	288	142.					
1	0515	64	12252.	*	1	1130	139	267.	*	1	1745	214	173.	*	2	0000	289	142.					
1	0520	65	12274.	*	1	1135	140	264.	*	1	1750	215	172.	*	2	0005	290	141.					
1	0525	66	12174.	*	1	1140	141	261.	*	1	1755	216	172.	*	2	0010	291	141.					
1	0530	67	11963.	*	1	1145	142	258.	*	1	1800	217	171.	*	2	0015	292	140.					
1	0535	68	11671.	*	1	1150	143	255.	*	1	1805	218	171.	*	2	0020	293	139.					
1	0540	69	11335.	*	1	1155	144	253.	*	1	1810	219	170.	*	2	0025	294	139.					
1	0545	70	10984.	*	1	1200	145	250.	*	1	1815	220	170.	*	2	0030	295	138.					
1	0550	71	10639.	*	1	1205	146	248.	*	1	1820	221	170.	*	2	0035	296	138.					
1	0555	72	10311.	*	1	1210	147	245.	*	1	1825	222	169.	*	2	0040	297	137.					
1	0600	73	10008.	*	1	1215	148	243.	*	1	1830	223	169.	*	2	0045	298	137.					
1	0605																						

PEAK FLOW + (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
+ 13617.	4.25	7215.	1975.	1902.	1902.
	(CFS)	.351	.384	.384	.384
	(INCHES)				
	(AC-FT)	3578.	3917.	3917.	3917.

CUMULATIVE AREA = 191.30 SQ MI

HYDROGRAPH AT STATION CCST03-C
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .56

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	
1	0000	1	1.	1.	*	1	0615	76	8923.	*	1	1230	151	224.	*	1	1845	226	162.					
1	0005	2	1.	1.	*	1	0620	77	8714.	*	1	1235	152	222.	*	1	1850	227	162.					
1	0010	3	1.	1.	*	1	0625	78	8517.	*	1	1240	153	220.	*	1	1855	228	161.					
1	0015	4	1.	1.	*	1	0630	79	8330.	*	1	1245	154	218.	*	1	1900	229	161.					
1	0020	5	1.	1.	*	1	0635	80	8150.	*	1	1250	155	216.	*	1	1905	230	161.					
1	0025	6	1.	1.	*	1	0640	81	7979.	*	1	1255	156	215.	*	1	1910	231	160.					
1	0030	7	1.	1.	*	1	0645	82	7819.	*	1	1300	157	213.	*	1	1915	232	160.					
1	0035	8	1.	1.	*	1	0650	83	7672.	*	1	1305	158	211.	*	1	1920	233	160.					
1	0040	9	1.	1.	*	1	0655	84	7508.	*	1	1310	159	210.	*	1	1925	234	159.					
1	0045	10	1.	1.	*	1	0700	85	7191.	*	1	1315	160	208.	*	1	1930	235	159.					
1	0050	11	2.	2.	*	1	0705	86	6517.	*	1	1320	161	207.	*	1	1935	236	159.					
1	0055	12	2.	2.	*	1	0710	87	5497.	*	1	1325	162	206.	*	1	1940	237	158.					
1	0100	13	4.	4.	*	1	0715	88	4420.	*	1	1330	163	204.	*	1	1945	238	158.					
1	0105	14	9.	9.	*	1	0720	89	3554.	*	1	1335	164	203.	*	1	1950	239	158.					
1	0110	15	19.	19.	*	1	0725	90	2972.	*	1	1340	165	202.	*	1	1955	240	157.					
1	0115	16	37.	37.	*	1	0730	91	2610.	*	1	1345	166	200.	*	1	2000	241	157.					
1	0120	17	61.	61.	*	1	0735	92	2371.	*	1	1350	167	199.	*	1	2005	242	157.					
1	0125	18	89.	89.	*	1	0740	93	2187.	*	1	1355	168	198.	*	1	2010	243	156.					
1	0130	19	116.	116.	*	1	0745	94	2023.	*	1	1400	169	197.	*	1	2015	244	156.					
1	0135	20	140.	140.	*	1	0750	95	1870.	*	1	1405	170	196.	*	1	2020	245	155.					
1	0140	21	161.	161.	*	1	0755	96	1723.	*	1	1410	171	195.	*	1	2025	246	155.					
1	0145	22	180.	180.	*	1	0800	97	1583.	*	1	1415	172	194.	*	1	2030	247	154.					
1	0150	23	199.	199.	*	1	0805	98	1449.	*	1	1420	173	193.	*	1	2035	248	154.					
1	0155	24	222.	222.	*	1	0810	99	1321.	*	1	1425	174	192.	*	1	2040	249	154.					
1	0200	25	252.	252.	*	1	0815	100	1202.	*	1	1430	175	191.	*	1	2045	250	153.					
1	0205	26	291.	291.	*	1	0820	101	1094.	*	1	1435	176	190.	*	1	2050	251	153.					
1	0210	27	341.	341.	*	1	0825	102	997.	*	1	1440	177	189.	*	1	2055	252	152.					
1	0215	28	403.	403.	*	1	0830	103	913.	*	1	1445	178	188.	*	1	2100	253	152.					
1	0220	29	476.	476.	*	1	0835	104	840.	*	1	1450	179	187.	*	1	2105	254	151.					
1	0225	30	557.	557.	*	1	0840	105	776.	*	1	1455	180	187.	*	1	2110	255	151.					
1	0230	31	645.	645.	*	1	0845	106	721.	*	1	1500	181	186.	*	1	2115	256	150.					
1	0235	32	742.	742.	*	1	0850	107	673.	*	1	1505	182	185.	*	1	2120	257	150.					
1	0240	33	846.	846.	*	1	0855	108	630.	*	1	1510	183	184.	*	1	2125	258	149.					
1	0245	34	953.	953.	*	1	0900	109	591.	*	1	1515	184	183.	*	1	2130	259	149.					
1	0250	35	1057.	1057.	*	1	0905	110	557.	*	1	1520	185	183.	*	1	2135	260	148.					
1	0255	36	1157.	1157.	*	1	0910	111	526.	*	1	1525	186	182.	*	1	2140	261	148.					
1	0300	37	1252.	1252.	*	1	0915	112	498.	*	1	1530	187	181.	*	1	2145	262	147.					
1	0305	38	1348.	1348.	*	1	0920	113	474.	*	1	1535	188	181.	*	1	2150	263	147.					
1	0310	39	1454.	1454.	*	1	0925	114	452.	*	1	1540	189	180.	*	1	2155	264	147.					
1	0315	40	1585.	1585.	*	1	0930	115	433.	*	1	1545	190	179.	*	1	2200	265	146.					
1	0320	41	1765.	1765.	*	1	0935	116	415.	*	1	1550	191	179.	*	1	2205	266	146.					
1	0325	42	2038.	2038.	*	1	0940	117	400.	*	1	1555	192	178.	*	1	2210	267	145.					
1	0330	43	2473.	2473.	*	1	0945	118	386.	*	1	1600	193	177.	*	1	2215	268	145.					
1	0335	44	3174.	3174.	*	1	0950	119	374.	*	1	1605	194	177.	*	1	2220	269	144.					
1	0340	45	4292.	4292.	*	1	0955	120	362.	*	1	1610	195	176.	*	1	2225	270	143.					
1	0345	46	5930.	5930.	*	1	1000	121	352.	*	1	1615	196	176.	*	1	2230	271	143.					
1	0350	47	8010.	8010.	*	1	1005	122	343.	*	1	1620	197	175.	*	1	2235	272	142.					
1	0355	48	10152.	10152.	*	1	1010	123	334.	*	1	1625	198	175.	*	1	2240	273	142.					
1	0400	49	11823.	11823.	*	1	1015	124	327.	*	1	1630	199	174.	*	1	2245	274	141.					
1	0405	50	12742.	12742.	*	1	1020	125	319.	*	1	1635	200	173.	*	1	2250	275	140.					
1	0410	51	13054.	13054.	*	1	1025	126	313.	*	1	1640	201	173.	*	1	2255	276	140.					
1	0415	52	13060.	13060.	*	1	1030	127	307.	*	1	1645	202	172.	*	1	2300	277	139.					
1	0420	53	12944.	12944.	*	1	1035	128	301.	*	1	1650	203	172.	*	1	2305	278	139.					
1	0425	54	12739.	12739.	*	1	1040	129	295.	*	1	1655	204	171.	*	1	2310	279	138.					
1	0430	55	12445.	12445.	*	1	1045	130	290.	*	1	1700	205	171.	*	1	2315	280	138.					
1	0435	56	12102.	12102.	*	1	1050	131	285.	*	1	1705	206	170.	*	1	2320	281	137.					
1	0440	57	11763.	11763.	*	1	1055	132	281.	*	1	1710	207	170.	*	1	2325	282	137.					
1	0445	58	11484.	11484.	*	1	1100	133	277.	*	1	1715	208	169.	*	1	2330	283	136.					
1	0450	59	11302.	11302.	*	1	1105	134	273.	*	1	1720	209	169.	*	1	2335	284	135.					
1	0455	60	11246.	11246.	*	1	1110	135	269.	*	1	1725	210	168.	*	1	2340	285	135.					
1	0500	61	11311.	11311.	*	1	1115	136	265.	*	1	1730	211	168.	*	1	2345	286	134.					
1	0505	62	11463.	11463.	*	1	1120	137	262.	*	1	1735	212	167.	*	1	2350	287	134.					
1	0510	63	11639.	11639.	*	1	1125	138	259.	*	1	1740	213	167.	*	1	2355	288	133.					
1	0515	64	11764.	11764.	*	1	1130	139	256.	*	1	1745	214	167.	*	2	0000	289	133.					
1	0520	65	11788.	11788.	*	1	1135	140	253.	*	1	1750	215	166.	*	2	0005	290	132.					
1	0525	66	11697.	11697.	*	1	1140	141	250.	*	1	1755	216	166.	*	2	0010	291	132.					
1	0530	67	11504.	11504.	*	1	1145	142	247.	*	1	1800	217	165.	*	2	0015	292	131.					
1	0535	68	11234.	11234.	*	1	1150	143	245.	*	1	1805	218	165.	*	2	0020	293	131.					
1	0540	69	10919.	10919.	*	1	1155	144	242.															

1	0555	72	9950.	*	1	1210	147	234.	*	1	1825	222	163.	*	2	0040	297	129.
1	0600	73	9660.	*	1	1215	148	231.	*	1	1830	223	163.	*	2	0045	298	128.
1	0605	74	9393.	*	1	1220	149	229.	*	1	1835	224	163.	*	2	0050	299	128.
1	0610	75	9148.	*	1	1225	150	227.	*	1	1840	225	162.	*	2	0055	300	127.

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
13060.	4.25	6700. (INCHES) (AC-FT)	1836. .326 3322.	1768. .357 3641.	1768. .357 3641.

CUMULATIVE AREA = 191.30 SQ MI

HYDROGRAPH AT STATION CCST03-C
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .54

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	0000	1	1.	*	1	0615	76	8638.	*	1	1230	151	215.	*	1	1845	226	157.					
1	0005	2	1.	*	1	0620	77	8436.	*	1	1235	152	213.	*	1	1850	227	157.					
1	0010	3	1.	*	1	0625	78	8247.	*	1	1240	153	211.	*	1	1855	228	157.					
1	0015	4	1.	*	1	0630	79	8074.	*	1	1245	154	209.	*	1	1900	229	156.					
1	0020	5	1.	*	1	0635	80	7915.	*	1	1250	155	208.	*	1	1905	230	156.					
1	0025	6	1.	*	1	0640	81	7745.	*	1	1255	156	206.	*	1	1910	231	155.					
1	0030	7	1.	*	1	0645	82	7425.	*	1	1300	157	204.	*	1	1915	232	155.					
1	0035	8	1.	*	1	0650	83	6757.	*	1	1305	158	203.	*	1	1920	233	154.					
1	0040	9	1.	*	1	0655	84	5772.	*	1	1310	159	201.	*	1	1925	234	154.					
1	0045	10	1.	*	1	0700	85	4762.	*	1	1315	160	200.	*	1	1930	235	153.					
1	0050	11	1.	*	1	0705	86	3974.	*	1	1320	161	199.	*	1	1935	236	153.					
1	0055	12	2.	*	1	0710	87	3449.	*	1	1325	162	197.	*	1	1940	237	152.					
1	0100	13	3.	*	1	0715	88	3104.	*	1	1330	163	196.	*	1	1945	238	152.					
1	0105	14	6.	*	1	0720	89	2850.	*	1	1335	164	195.	*	1	1950	239	151.					
1	0110	15	13.	*	1	0725	90	2633.	*	1	1340	165	194.	*	1	1955	240	151.					
1	0115	16	27.	*	1	0730	91	2433.	*	1	1345	166	193.	*	1	2000	241	150.					
1	0120	17	46.	*	1	0735	92	2245.	*	1	1350	167	191.	*	1	2005	242	150.					
1	0125	18	68.	*	1	0740	93	2068.	*	1	1355	168	190.	*	1	2010	243	149.					
1	0130	19	91.	*	1	0745	94	1902.	*	1	1400	169	189.	*	1	2015	244	149.					
1	0135	20	113.	*	1	0750	95	1747.	*	1	1405	170	188.	*	1	2020	245	148.					
1	0140	21	131.	*	1	0755	96	1602.	*	1	1410	171	187.	*	1	2025	246	148.					
1	0145	22	147.	*	1	0800	97	1466.	*	1	1415	172	186.	*	1	2030	247	148.					
1	0150	23	164.	*	1	0805	98	1338.	*	1	1420	173	186.	*	1	2035	248	147.					
1	0155	24	182.	*	1	0810	99	1220.	*	1	1425	174	185.	*	1	2040	249	147.					
1	0200	25	206.	*	1	0815	100	1113.	*	1	1430	175	184.	*	1	2045	250	146.					
1	0205	26	237.	*	1	0820	101	1018.	*	1	1435	176	183.	*	1	2050	251	146.					
1	0210	27	278.	*	1	0825	102	934.	*	1	1440	177	182.	*	1	2055	252	145.					
1	0215	28	330.	*	1	0830	103	861.	*	1	1445	178	181.	*	1	2100	253	145.					
1	0220	29	391.	*	1	0835	104	798.	*	1	1450	179	181.	*	1	2105	254	144.					
1	0225	30	460.	*	1	0840	105	742.	*	1	1455	180	180.	*	1	2110	255	144.					
1	0230	31	535.	*	1	0845	106	694.	*	1	1500	181	179.	*	1	2115	256	143.					
1	0235	32	616.	*	1	0850	107	651.	*	1	1505	182	178.	*	1	2120	257	143.					
1	0240	33	704.	*	1	0855	108	612.	*	1	1510	183	178.	*	1	2125	258	142.					
1	0245	34	797.	*	1	0900	109	576.	*	1	1515	184	177.	*	1	2130	259	141.					
1	0250	35	890.	*	1	0905	110	543.	*	1	1520	185	176.	*	1	2135	260	141.					
1	0255	36	978.	*	1	0910	111	513.	*	1	1525	186	176.	*	1	2140	261	140.					
1	0300	37	1061.	*	1	0915	112	487.	*	1	1530	187	175.	*	1	2145	262	140.					
1	0305	38	1143.	*	1	0920	113	462.	*	1	1535	188	174.	*	1	2150	263	139.					
1	0310	39	1235.	*	1	0925	114	441.	*	1	1540	189	174.	*	1	2155	264	138.					
1	0315	40	1350.	*	1	0930	115	421.	*	1	1545	190	173.	*	1	2200	265	138.					
1	0320	41	1506.	*	1	0935	116	404.	*	1	1550	191	172.	*	1	2205	266	137.					
1	0325	42	1743.	*	1	0940	117	388.	*	1	1555	192	172.	*	1	2210	267	137.					
1	0330	43	2117.	*	1	0945	118	374.	*	1	1600	193	171.	*	1	2215	268	136.					
1	0335	44	2719.	*	1	0950	119	362.	*	1	1605	194	171.	*	1	2220	269	136.					
1	0340	45	3675.	*	1	0955	120	350.	*	1	1610	195	170.	*	1	2225	270	135.					
1	0345	46	5112.	*	1	1000	121	340.	*	1	1615	196	170.	*	1	2230	271	135.					
1	0350	47	7009.	*	1	1005	122	331.	*	1	1620	197	169.	*	1	2235	272	134.					
1	0355	48	9094.	*	1	1010	123	322.	*	1	1625	198	169.	*	1	2240	273	134.					
1	0400	49	10897.	*	1	1015	124	315.	*	1	1630	199	168.	*	1	2245	274	133.					
1	0405	50	12062.	*	1	1020	125	307.	*	1	1635	200	168.	*	1	2250	275	132.					
1	0410	51	12574.	*	1	1025	126	301.	*	1	1640	201	167.	*	1	2255	276	132.					
1	0415	52	12635.	*	1	1030	127	295.	*	1	1645	202	167.	*	1	2300	277	131.					
1	0420	53	12484.	*	1	1035	128	289.	*	1	1650	203	166.	*	1	2305	278	131.					
1	0425	54	12263.	*	1	1040	129	284.	*	1	1655	204	166.	*	1	2310	279	130.					
1	0430	55	11996.	*	1	1045	130	279.	*	1	1700	205	165.	*	1	2315	280	130.					
1	0435	56	11674.	*	1	1050	131	274.	*	1	1705	206	165.	*	1	2320	281	129.					
1	0440	57	11340.	*	1	1055	132	270.	*	1	1710	207	165.	*	1	2325	282	129.					
1	0445	58	11067.	*	1	1100	133	266.	*	1	1715	208	164.	*	1	2330	283	128.					
1	0450	59	10897.	*	1	1105	134	262.	*	1	1720	209	164.	*	1	2335	284	128.					
1	0455	60	10842.	*	1	1110	135	258.	*	1	1725	210	163.	*	1	2340	285	127.					
1	0500	61	10902.	*	1	1115	136	255.	*	1	1730	211	163.	*	1	2345	286	127.					
1	0505	62	11044.	*	1	1120	137	252.	*	1	1735	212	162.	*	1	2350	287	126.					
1	0510	63	11208.	*	1	1125	138	249.	*	1	1740	213	162.	*	1	2355	288	126.					
1	0515	64	11327.	*	1	1130	139	246.	*	1	1745	214	162.	*	2	0000	289	125.					
1	0520	65	11351.	*	1	1135	140	243.	*	1	1750	215	161.	*	2	0005	290	125.					
1	0525	66	11269.	*	1	1140	141	240.	*	1	1755	216	161.	*	2	0010	291	124.					
1	0530	67	11089.	*	1	1145	142	237.	*	1	1800	217	161.	*	2	0015	292	124.					

1	0535	68	10838.	*	1	1150	143	234.	*	1	1805	218	160.	*	2	0020	293	123.
1	0540	69	10543.	*	1	1155	144	232.	*	1	1810	219	160.	*	2	0025	294	123.
1	0545	70	10230.	*	1	1200	145	229.	*	1	1815	220	159.	*	2	0030	295	122.
1	0550	71	9919.	*	1	1205	146	226.	*	1	1820	221	159.	*	2	0035	296	122.
1	0555	72	9623.	*	1	1210	147	224.	*	1	1825	222	159.	*	2	0040	297	121.
1	0600	73	9346.	*	1	1215	148	222.	*	1	1830	223	158.	*	2	0045	298	121.
1	0605	74	9090.	*	1	1220	149	219.	*	1	1835	224	158.	*	2	0050	299	120.
1	0610	75	8855.	*	1	1225	150	217.	*	1	1840	225	158.	*	2	0055	300	120.

+ (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
+ 12635.	4.25	6237.	1711.	1648.	1648.
		(INCHES)	.303	.333	.333
		(AC-FT)	3093.	3393.	3393.

CUMULATIVE AREA = 191.30 SQ MI

HYDROGRAPH AT STATION CCST03-C
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .52

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	0000	1	1.	*	1	0615	76	8408.	*	1	1230	151	206.	*	1	1845	226	151.					
1	0005	2	1.	*	1	0620	77	8231.	*	1	1235	152	205.	*	1	1850	227	151.					
1	0010	3	1.	*	1	0625	78	8056.	*	1	1240	153	203.	*	1	1855	228	150.					
1	0015	4	1.	*	1	0630	79	7766.	*	1	1245	154	201.	*	1	1900	229	150.					
1	0020	5	1.	*	1	0635	80	7161.	*	1	1250	155	200.	*	1	1905	230	149.					
1	0025	6	1.	*	1	0640	81	6241.	*	1	1255	156	198.	*	1	1910	231	149.					
1	0030	7	1.	*	1	0645	82	5272.	*	1	1300	157	197.	*	1	1915	232	148.					
1	0035	8	1.	*	1	0650	83	4494.	*	1	1305	158	195.	*	1	1920	233	148.					
1	0040	9	1.	*	1	0655	84	3963.	*	1	1310	159	194.	*	1	1925	234	148.					
1	0045	10	1.	*	1	0700	85	3604.	*	1	1315	160	193.	*	1	1930	235	147.					
1	0050	11	1.	*	1	0705	86	3330.	*	1	1320	161	191.	*	1	1935	236	147.					
1	0055	12	1.	*	1	0710	87	3091.	*	1	1325	162	190.	*	1	1940	237	146.					
1	0100	13	2.	*	1	0715	88	2868.	*	1	1330	163	189.	*	1	1945	238	146.					
1	0105	14	4.	*	1	0720	89	2658.	*	1	1335	164	188.	*	1	1950	239	145.					
1	0110	15	10.	*	1	0725	90	2460.	*	1	1340	165	187.	*	1	1955	240	145.					
1	0115	16	19.	*	1	0730	91	2273.	*	1	1345	166	186.	*	1	2000	241	144.					
1	0120	17	34.	*	1	0735	92	2097.	*	1	1350	167	185.	*	1	2005	242	144.					
1	0125	18	52.	*	1	0740	93	1929.	*	1	1355	168	184.	*	1	2010	243	143.					
1	0130	19	71.	*	1	0745	94	1769.	*	1	1400	169	183.	*	1	2015	244	143.					
1	0135	20	89.	*	1	0750	95	1618.	*	1	1405	170	182.	*	1	2020	245	142.					
1	0140	21	106.	*	1	0755	96	1478.	*	1	1410	171	181.	*	1	2025	246	141.					
1	0145	22	120.	*	1	0800	97	1348.	*	1	1415	172	180.	*	1	2030	247	141.					
1	0150	23	134.	*	1	0805	98	1230.	*	1	1420	173	179.	*	1	2035	248	140.					
1	0155	24	149.	*	1	0810	99	1125.	*	1	1425	174	178.	*	1	2040	249	140.					
1	0200	25	167.	*	1	0815	100	1032.	*	1	1430	175	178.	*	1	2045	250	139.					
1	0205	26	193.	*	1	0820	101	950.	*	1	1435	176	177.	*	1	2050	251	138.					
1	0210	27	226.	*	1	0825	102	877.	*	1	1440	177	176.	*	1	2055	252	138.					
1	0215	28	269.	*	1	0830	103	813.	*	1	1445	178	175.	*	1	2100	253	137.					
1	0220	29	320.	*	1	0835	104	756.	*	1	1450	179	175.	*	1	2105	254	137.					
1	0225	30	379.	*	1	0840	105	705.	*	1	1455	180	174.	*	1	2110	255	136.					
1	0230	31	443.	*	1	0845	106	660.	*	1	1500	181	173.	*	1	2115	256	136.					
1	0235	32	513.	*	1	0850	107	619.	*	1	1505	182	173.	*	1	2120	257	135.					
1	0240	33	587.	*	1	0855	108	582.	*	1	1510	183	172.	*	1	2125	258	135.					
1	0245	34	665.	*	1	0900	109	549.	*	1	1515	184	171.	*	1	2130	259	134.					
1	0250	35	746.	*	1	0905	110	518.	*	1	1520	185	171.	*	1	2135	260	133.					
1	0255	36	826.	*	1	0910	111	490.	*	1	1525	186	170.	*	1	2140	261	133.					
1	0300	37	901.	*	1	0915	112	465.	*	1	1530	187	169.	*	1	2145	262	132.					
1	0305	38	975.	*	1	0920	113	443.	*	1	1535	188	169.	*	1	2150	263	132.					
1	0310	39	1055.	*	1	0925	114	422.	*	1	1540	189	168.	*	1	2155	264	131.					
1	0315	40	1155.	*	1	0930	115	404.	*	1	1545	190	168.	*	1	2200	265	131.					
1	0320	41	1291.	*	1	0935	116	388.	*	1	1550	191	167.	*	1	2205	266	130.					
1	0325	42	1492.	*	1	0940	117	373.	*	1	1555	192	167.	*	1	2210	267	130.					
1	0330	43	1816.	*	1	0945	118	360.	*	1	1600	193	166.	*	1	2215	268	129.					
1	0335	44	2336.	*	1	0950	119	348.	*	1	1605	194	166.	*	1	2220	269	129.					
1	0340	45	3157.	*	1	0955	120	337.	*	1	1610	195	165.	*	1	2225	270	128.					
1	0345	46	4412.	*	1	1000	121	327.	*	1	1615	196	165.	*	1	2230	271	128.					
1	0350	47	6119.	*	1	1005	122	319.	*	1	1620	197	164.	*	1	2235	272	127.					
1	0355	48	8085.	*	1	1010	123	310.	*	1	1625	198	164.	*	1	2240	273	127.					
1	0400	49	9939.	*	1	1015	124	303.	*	1	1630	199	164.	*	1	2245	274	126.					
1	0405	50	11322.	*	1	1020	125	296.	*	1	1635	200	163.	*	1	2250	275	125.					
1	0410	51	12073.	*	1	1025	126	290.	*	1	1640	201	163.	*	1	2255	276	125.					
1	0415	52	12290.	*	1	1030	127	284.	*	1	1645	202	162.	*	1	2300	277	124.					
1	0420	53	12183.	*	1	1035	128	279.	*	1	1650	203	162.	*	1	2305	278	124.					
1	0425	54	11923.	*	1	1040	129	274.	*	1	1655	204	161.	*	1	2310	279	123.					
1	0430	55	11600.	*	1	1045	130	269.	*	1	1700	205	161.	*	1	2315	280	123.					
1	0435	56	11268.	*	1	1050	131	265.	*	1	1705	206	161.	*	1	2320	281	123.					
1	0440	57	10968.	*	1	1055	132	261.	*	1	1710	207	160.	*	1	2325	282	122.					
1	0445	58	10730.	*	1	1100	133	257.	*	1	1715	208	160.	*	1	2330	283	122.					
1	0450	59	10570.	*	1	1105	134	253.	*	1	1720	209	159.	*	1	2335	284	121.					
1	0455	60	10507.	*	1	1110	135	250.	*	1	1725	210	159.	*	1	2340	285	121.					
1	0500	61	10553.	*	1	1115	136	246.	*	1	1730	211	159.	*	1	2345	286	120.					
1	0505	62	10681.	*	1	1120	137	243.	*	1	1735	212	158.	*	1	2350	287	120.					
1	0510	63	10832.	*	1	1125	138	240.	*	1	1740	213	158.	*	1	2355	288	119.					

1	0515	64	10942.	*	1	1130	139	236.	*	1	1745	214	157.	*	2	0000	289	119.
1	0520	65	10965.	*	1	1135	140	233.	*	1	1750	215	157.	*	2	0005	290	118.
1	0525	66	10890.	*	1	1140	141	230.	*	1	1755	216	156.	*	2	0010	291	118.
1	0530	67	10724.	*	1	1145	142	227.	*	1	1800	217	156.	*	2	0015	292	117.
1	0535	68	10490.	*	1	1150	143	224.	*	1	1805	218	155.	*	2	0020	293	116.
1	0540	69	10213.	*	1	1155	144	222.	*	1	1810	219	155.	*	2	0025	294	116.
1	0545	70	9917.	*	1	1200	145	219.	*	1	1815	220	154.	*	2	0030	295	115.
1	0550	71	9622.	*	1	1205	146	217.	*	1	1820	221	154.	*	2	0035	296	114.
1	0555	72	9337.	*	1	1210	147	215.	*	1	1825	222	153.	*	2	0040	297	113.
1	0600	73	9071.	*	1	1215	148	212.	*	1	1830	223	153.	*	2	0045	298	112.
1	0605	74	8826.	*	1	1220	149	210.	*	1	1835	224	152.	*	2	0050	299	111.
1	0610	75	8605.	*	1	1225	150	208.	*	1	1840	225	152.	*	2	0055	300	111.

PEAK FLOW (CFS)	TIME (HR)	(CFS)	MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	24.92-HR
12290.	4.25	5829.	1600.	1542.	1542.	
		(INCHES) .283	.311	.311	.311	
		(AC-FT) 2890.	3174.	3174.	3174.	

CUMULATIVE AREA = 191.30 SQ MI

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* *
7592 KK * CNEL02C1 *
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7596 KO OUTPUT CONTROL VARIABLES
IPRINT 1 PRINT CONTROL
IPLOT 0 PLOT CONTROL
QSCAL 0. HYDROGRAPH PLOT SCALE

7595 HC HYDROGRAPH COMBINATION
ICOMP 2 NUMBER OF HYDROGRAPHS TO COMBINE

HYDROGRAPH AT STATION CNEL02C1
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .61

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	0000	1	1.	*	1	0615	76	9727.	*	1	1230	151	244.	*	1	1845	226	172.					
1	0005	2	1.	*	1	0620	77	9481.	*	1	1235	152	242.	*	1	1850	227	172.					
1	0010	3	1.	*	1	0625	78	9250.	*	1	1240	153	240.	*	1	1855	228	172.					
1	0015	4	1.	*	1	0630	79	9032.	*	1	1245	154	237.	*	1	1900	229	171.					
1	0020	5	1.	*	1	0635	80	8825.	*	1	1250	155	235.	*	1	1905	230	171.					
1	0025	6	1.	*	1	0640	81	8626.	*	1	1255	156	233.	*	1	1910	231	170.					
1	0030	7	1.	*	1	0645	82	8435.	*	1	1300	157	231.	*	1	1915	232	170.					
1	0035	8	1.	*	1	0650	83	8251.	*	1	1305	158	229.	*	1	1920	233	169.					
1	0040	9	1.	*	1	0655	84	8076.	*	1	1310	159	227.	*	1	1925	234	169.					
1	0045	10	2.	*	1	0700	85	7911.	*	1	1315	160	225.	*	1	1930	235	169.					
1	0050	11	3.	*	1	0705	86	7755.	*	1	1320	161	223.	*	1	1935	236	168.					
1	0055	12	5.	*	1	0710	87	7609.	*	1	1325	162	221.	*	1	1940	237	168.					
1	0100	13	9.	*	1	0715	88	7475.	*	1	1330	163	220.	*	1	1945	238	167.					
1	0105	14	20.	*	1	0720	89	7334.	*	1	1335	164	218.	*	1	1950	239	167.					
1	0110	15	41.	*	1	0725	90	7044.	*	1	1340	165	217.	*	1	1955	240	167.					
1	0115	16	74.	*	1	0730	91	6381.	*	1	1345	166	215.	*	1	2000	241	166.					
1	0120	17	115.	*	1	0735	92	5334.	*	1	1350	167	214.	*	1	2005	242	166.					
1	0125	18	159.	*	1	0740	93	4188.	*	1	1355	168	213.	*	1	2010	243	166.					
1	0130	19	200.	*	1	0745	94	3234.	*	1	1400	169	211.	*	1	2015	244	165.					
1	0135	20	236.	*	1	0750	95	2565.	*	1	1405	170	210.	*	1	2020	245	165.					
1	0140	21	267.	*	1	0755	96	2148.	*	1	1410	171	209.	*	1	2025	246	164.					
1	0145	22	297.	*	1	0800	97	1892.	*	1	1415	172	208.	*	1	2030	247	164.					
1	0150	23	328.	*	1	0805	98	1713.	*	1	1420	173	207.	*	1	2035	248	164.					
1	0155	24	366.	*	1	0810	99	1562.	*	1	1425	174	206.	*	1	2040	249	163.					
1	0200	25	415.	*	1	0815	100	1420.	*	1	1430	175	205.	*	1	2045	250	163.					
1	0205	26	476.	*	1	0820	101	1284.	*	1	1435	176	204.	*	1	2050	251	163.					
1	0210	27	554.	*	1	0825	102	1160.	*	1	1440	177	203.	*	1	2055	252	163.					
1	0215	28	647.	*	1	0830	103	1050.	*	1	1445	178	202.	*	1	2100	253	162.					
1	0220	29	754.	*	1	0835	104	952.	*	1	1450	179	201.	*	1	2105	254	162.					
1	0225	30	874.	*	1	0840	105	867.	*	1	1455	180	200.	*	1	2110	255	162.					
1	0230	31	1005.	*	1	0845	106	795.	*	1	1500	181	199.	*	1	2115	256	161.					
1	0235	32	1145.	*	1	0850	107	733.	*	1	1505	182	198.	*	1	2120	257	161.					
1	0240	33	1291.	*	1	0855	108	682.	*	1	1510	183	198.	*	1	2125	258	161.					
1	0245	34	1439.	*	1	0900	109	637.	*	1	1515	184	197.	*	1	2130	259	160.					
1	0250	35	1580.	*	1	0905	110	599.	*	1	1520	185	196.	*	1	2135	260	160.					
1	0255	36	1709.	*	1	0910	111	565.	*	1	1525	186	195.	*	1	2140	261	160.					
1	0300	37	1825.	*	1	0915	112	536.	*	1	1530	187	195.	*	1	2145	262	159.					
1	0305	38	1937.	*	1	0920	113	510.	*	1	1535	188	194.	*	1	2150	263	159.					

1	0310	39	2061.	*	1	0925	114	487.	*	1	1540	189	193.	*	1	2155	264	159.
1	0315	40	2221.	*	1	0930	115	466.	*	1	1545	190	193.	*	1	2200	265	158.
1	0320	41	2458.	*	1	0935	116	447.	*	1	1550	191	192.	*	1	2205	266	158.
1	0325	42	2837.	*	1	0940	117	430.	*	1	1555	192	191.	*	1	2210	267	158.
1	0330	43	3452.	*	1	0945	118	415.	*	1	1600	193	191.	*	1	2215	268	157.
1	0335	44	4443.	*	1	0950	119	401.	*	1	1605	194	190.	*	1	2220	269	157.
1	0340	45	5987.	*	1	0955	120	389.	*	1	1610	195	189.	*	1	2225	270	157.
1	0345	46	8142.	*	1	1000	121	378.	*	1	1615	196	188.	*	1	2230	271	157.
1	0350	47	10592.	*	1	1005	122	368.	*	1	1620	197	188.	*	1	2235	272	156.
1	0355	48	12716.	*	1	1010	123	359.	*	1	1625	198	187.	*	1	2240	273	156.
1	0400	49	14089.	*	1	1015	124	350.	*	1	1630	199	187.	*	1	2245	274	156.
1	0405	50	14768.	*	1	1020	125	343.	*	1	1635	200	186.	*	1	2250	275	155.
1	0410	51	15036.	*	1	1025	126	336.	*	1	1640	201	185.	*	1	2255	276	155.
1	0415	52	15031.	*	1	1030	127	329.	*	1	1645	202	185.	*	1	2300	277	154.
1	0420	53	14819.	*	1	1035	128	323.	*	1	1650	203	184.	*	1	2305	278	154.
1	0425	54	14469.	*	1	1040	129	317.	*	1	1655	204	184.	*	1	2310	279	154.
1	0430	55	14058.	*	1	1045	130	312.	*	1	1700	205	183.	*	1	2315	280	153.
1	0435	56	13639.	*	1	1050	131	307.	*	1	1705	206	182.	*	1	2320	281	153.
1	0440	57	13245.	*	1	1055	132	303.	*	1	1710	207	182.	*	1	2325	282	152.
1	0445	58	12914.	*	1	1100	133	298.	*	1	1715	208	181.	*	1	2330	283	152.
1	0450	59	12690.	*	1	1105	134	294.	*	1	1720	209	181.	*	1	2335	284	151.
1	0455	60	12608.	*	1	1110	135	290.	*	1	1725	210	180.	*	1	2340	285	151.
1	0500	61	12674.	*	1	1115	136	286.	*	1	1730	211	180.	*	1	2345	286	150.
1	0505	62	12853.	*	1	1120	137	283.	*	1	1735	212	179.	*	1	2350	287	150.
1	0510	63	13065.	*	1	1125	138	279.	*	1	1740	213	179.	*	1	2355	288	150.
1	0515	64	13217.	*	1	1130	139	276.	*	1	1745	214	178.	*	2	0000	289	149.
1	0520	65	13247.	*	1	1135	140	273.	*	1	1750	215	178.	*	2	0005	290	149.
1	0525	66	13135.	*	1	1140	141	270.	*	1	1755	216	177.	*	2	0010	291	148.
1	0530	67	12891.	*	1	1145	142	267.	*	1	1800	217	177.	*	2	0015	292	148.
1	0535	68	12552.	*	1	1150	143	264.	*	1	1805	218	176.	*	2	0020	293	147.
1	0540	69	12159.	*	1	1155	144	261.	*	1	1810	219	176.	*	2	0025	294	147.
1	0545	70	11748.	*	1	1200	145	259.	*	1	1815	220	175.	*	2	0030	295	146.
1	0550	71	11343.	*	1	1205	146	256.	*	1	1820	221	175.	*	2	0035	296	145.
1	0555	72	10961.	*	1	1210	147	254.	*	1	1825	222	174.	*	2	0040	297	145.
1	0600	73	10608.	*	1	1215	148	252.	*	1	1830	223	174.	*	2	0045	298	144.
1	0605	74	10286.	*	1	1220	149	249.	*	1	1835	224	173.	*	2	0050	299	144.
1	0610	75	9993.	*	1	1225	150	247.	*	1	1840	225	173.	*	2	0055	300	143.

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
15036.	4.17	7954.	2170.	2090.	2090.
		(INCHES) .380	.415	.415	.415
		(AC-FT) 3944.	4305.	4305.	4305.

CUMULATIVE AREA = 194.52 SQ MI

HYDROGRAPH AT STATION CNEL02C1
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .59

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	0000	1	1.	*	1	0615	76	9453.	*	1	1230	151	235.	*	1	1845	226	167.	
1	0005	2	1.	*	1	0620	77	9213.	*	1	1235	152	233.	*	1	1850	227	167.	
1	0010	3	1.	*	1	0625	78	8989.	*	1	1240	153	230.	*	1	1855	228	167.	
1	0015	4	1.	*	1	0630	79	8778.	*	1	1245	154	228.	*	1	1900	229	166.	
1	0020	5	1.	*	1	0635	80	8576.	*	1	1250	155	226.	*	1	1905	230	166.	
1	0025	6	1.	*	1	0640	81	8383.	*	1	1255	156	224.	*	1	1910	231	165.	
1	0030	7	1.	*	1	0645	82	8197.	*	1	1300	157	222.	*	1	1915	232	165.	
1	0035	8	1.	*	1	0650	83	8020.	*	1	1305	158	220.	*	1	1920	233	165.	
1	0040	9	1.	*	1	0655	84	7851.	*	1	1310	159	219.	*	1	1925	234	164.	
1	0045	10	2.	*	1	0700	85	7696.	*	1	1315	160	217.	*	1	1930	235	164.	
1	0050	11	2.	*	1	0705	86	7548.	*	1	1320	161	215.	*	1	1935	236	164.	
1	0055	12	4.	*	1	0710	87	7348.	*	1	1325	162	214.	*	1	1940	237	163.	
1	0100	13	7.	*	1	0715	88	6929.	*	1	1330	163	213.	*	1	1945	238	163.	
1	0105	14	15.	*	1	0720	89	6144.	*	1	1335	164	211.	*	1	1950	239	163.	
1	0110	15	31.	*	1	0725	90	5089.	*	1	1340	165	210.	*	1	1955	240	162.	
1	0115	16	57.	*	1	0730	91	4040.	*	1	1345	166	208.	*	1	2000	241	162.	
1	0120	17	92.	*	1	0735	92	3210.	*	1	1350	167	207.	*	1	2005	242	162.	
1	0125	18	130.	*	1	0740	93	2649.	*	1	1355	168	206.	*	1	2010	243	161.	
1	0130	19	167.	*	1	0745	94	2301.	*	1	1400	169	205.	*	1	2015	244	161.	
1	0135	20	199.	*	1	0750	95	2075.	*	1	1405	170	204.	*	1	2020	245	161.	
1	0140	21	227.	*	1	0755	96	1899.	*	1	1410	171	203.	*	1	2025	246	160.	
1	0145	22	253.	*	1	0800	97	1741.	*	1	1415	172	202.	*	1	2030	247	160.	
1	0150	23	280.	*	1	0805	98	1592.	*	1	1420	173	201.	*	1	2035	248	160.	
1	0155	24	311.	*	1	0810	99	1450.	*	1	1425	174	200.	*	1	2040	249	159.	
1	0200	25	351.	*	1	0815	100	1314.	*	1	1430	175	199.	*	1	2045	250	159.	
1	0205	26	404.	*	1	0820	101	1190.	*	1	1435	176	198.	*	1	2050	251	159.	
1	0210	27	470.	*	1	0825	102	1079.	*	1	1440	177	197.	*	1	2055	252	158.	
1	0215	28	551.	*	1	0830	103	981.	*	1	1445	178	196.	*	1	2100	253	158.	
1	0220	29	644.	*	1	0835	104	896.	*	1	1450	179	195.	*	1	2105	254	158.	
1	0225	30	749.	*	1	0840	105	822.	*	1	1455	180	194.	*	1	2110	255	157.	
1	0230	31	864.	*	1	0845	106	759.	*	1	1500	181	193.	*	1	2115	256	157.	
1	0235	32	988.	*	1	0850	107	705.	*	1	1505	182	193.	*	1	2120	257	157.	
1	0240	33	1118.	*	1	0855	108	658.	*	1	1510	183	192.	*	1	2125	258	156.	
1	0245	34	1249.	*	1	0900	109	617.	*	1	1515	184	191.	*	1	2130	259	156.	

1	0250	35	1376.	*	1	0905	110	581.	*	1	1520	185	190.	*	1	2135	260	156.
1	0255	36	1495.	*	1	0910	111	549.	*	1	1525	186	189.	*	1	2140	261	155.
1	0300	37	1604.	*	1	0915	112	521.	*	1	1530	187	189.	*	1	2145	262	155.
1	0305	38	1712.	*	1	0920	113	495.	*	1	1535	188	188.	*	1	2150	263	155.
1	0310	39	1829.	*	1	0925	114	473.	*	1	1540	189	187.	*	1	2155	264	154.
1	0315	40	1977.	*	1	0930	115	453.	*	1	1545	190	187.	*	1	2200	265	154.
1	0320	41	2188.	*	1	0935	116	435.	*	1	1550	191	186.	*	1	2205	266	153.
1	0325	42	2520.	*	1	0940	117	419.	*	1	1555	192	185.	*	1	2210	267	153.
1	0330	43	3062.	*	1	0945	118	405.	*	1	1600	193	184.	*	1	2215	268	152.
1	0335	44	3945.	*	1	0950	119	392.	*	1	1605	194	184.	*	1	2220	269	152.
1	0340	45	5332.	*	1	0955	120	380.	*	1	1610	195	183.	*	1	2225	270	151.
1	0345	46	7309.	*	1	1000	121	369.	*	1	1615	196	183.	*	1	2230	271	151.
1	0350	47	9677.	*	1	1005	122	359.	*	1	1620	197	182.	*	1	2235	272	151.
1	0355	48	11904.	*	1	1010	123	350.	*	1	1625	198	181.	*	1	2240	273	150.
1	0400	49	13435.	*	1	1015	124	342.	*	1	1630	199	181.	*	1	2245	274	150.
1	0405	50	14189.	*	1	1020	125	334.	*	1	1635	200	180.	*	1	2250	275	149.
1	0410	51	14458.	*	1	1025	126	327.	*	1	1640	201	180.	*	1	2255	276	149.
1	0415	52	14469.	*	1	1030	127	320.	*	1	1645	202	179.	*	1	2300	277	148.
1	0420	53	14308.	*	1	1035	128	314.	*	1	1650	203	178.	*	1	2305	278	148.
1	0425	54	14012.	*	1	1040	129	308.	*	1	1655	204	178.	*	1	2310	279	147.
1	0430	55	13634.	*	1	1045	130	303.	*	1	1700	205	177.	*	1	2315	280	147.
1	0435	56	13228.	*	1	1050	131	298.	*	1	1705	206	177.	*	1	2320	281	146.
1	0440	57	12838.	*	1	1055	132	293.	*	1	1710	207	176.	*	1	2325	282	146.
1	0445	58	12510.	*	1	1100	133	289.	*	1	1715	208	176.	*	1	2330	283	145.
1	0450	59	12286.	*	1	1105	134	285.	*	1	1720	209	175.	*	1	2335	284	145.
1	0455	60	12201.	*	1	1110	135	281.	*	1	1725	210	175.	*	1	2340	285	144.
1	0500	61	12261.	*	1	1115	136	277.	*	1	1730	211	174.	*	1	2345	286	144.
1	0505	62	12430.	*	1	1120	137	273.	*	1	1735	212	174.	*	1	2350	287	143.
1	0510	63	12632.	*	1	1125	138	270.	*	1	1740	213	173.	*	1	2355	288	142.
1	0515	64	12779.	*	1	1130	139	267.	*	1	1745	214	173.	*	2	0000	289	142.
1	0520	65	12810.	*	1	1135	140	264.	*	1	1750	215	172.	*	2	0005	290	141.
1	0525	66	12707.	*	1	1140	141	261.	*	1	1755	216	172.	*	2	0010	291	141.
1	0530	67	12481.	*	1	1145	142	258.	*	1	1800	217	171.	*	2	0015	292	140.
1	0535	68	12163.	*	1	1150	143	255.	*	1	1805	218	171.	*	2	0020	293	139.
1	0540	69	11793.	*	1	1155	144	253.	*	1	1810	219	170.	*	2	0025	294	139.
1	0545	70	11402.	*	1	1200	145	250.	*	1	1815	220	170.	*	2	0030	295	138.
1	0550	71	11014.	*	1	1205	146	248.	*	1	1820	221	170.	*	2	0035	296	138.
1	0555	72	10646.	*	1	1210	147	245.	*	1	1825	222	169.	*	2	0040	297	137.
1	0600	73	10306.	*	1	1215	148	243.	*	1	1830	223	169.	*	2	0045	298	137.
1	0605	74	9995.	*	1	1220	149	240.	*	1	1835	224	168.	*	2	0050	299	136.
1	0610	75	9712.	*	1	1225	150	238.	*	1	1840	225	168.	*	2	0055	300	136.

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
+ 14469.	4.25	7496. (CFS)	2047. (INCHES)	1972. (AC-FT)	1972. (AC-FT)
		.358	.391	.391	.391
		3717.	4060.	4060.	4060.

CUMULATIVE AREA = 194.52 SQ MI

HYDROGRAPH AT STATION CNELO2C1
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .56

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	0000	1	1.	*	1	0615	76	9124.	*	1	1230	151	224.	*	1	1845	226	162.					
1	0005	2	1.	*	1	0620	77	8893.	*	1	1235	152	222.	*	1	1850	227	162.					
1	0010	3	1.	*	1	0625	78	8677.	*	1	1240	153	220.	*	1	1855	228	161.					
1	0015	4	1.	*	1	0630	79	8473.	*	1	1245	154	218.	*	1	1900	229	161.					
1	0020	5	1.	*	1	0635	80	8279.	*	1	1250	155	216.	*	1	1905	230	161.					
1	0025	6	1.	*	1	0640	81	8094.	*	1	1255	156	215.	*	1	1910	231	160.					
1	0030	7	1.	*	1	0645	82	7922.	*	1	1300	157	213.	*	1	1915	232	160.					
1	0035	8	1.	*	1	0650	83	7764.	*	1	1305	158	211.	*	1	1920	233	160.					
1	0040	9	1.	*	1	0655	84	7590.	*	1	1310	159	210.	*	1	1925	234	159.					
1	0045	10	1.	*	1	0700	85	7264.	*	1	1315	160	208.	*	1	1930	235	159.					
1	0050	11	2.	*	1	0705	86	6581.	*	1	1320	161	207.	*	1	1935	236	159.					
1	0055	12	3.	*	1	0710	87	5553.	*	1	1325	162	206.	*	1	1940	237	158.					
1	0100	13	5.	*	1	0715	88	4469.	*	1	1330	163	204.	*	1	1945	238	158.					
1	0105	14	10.	*	1	0720	89	3596.	*	1	1335	164	203.	*	1	1950	239	158.					
1	0110	15	21.	*	1	0725	90	3007.	*	1	1340	165	202.	*	1	1955	240	157.					
1	0115	16	40.	*	1	0730	91	2640.	*	1	1345	166	200.	*	1	2000	241	157.					
1	0120	17	68.	*	1	0735	92	2397.	*	1	1350	167	199.	*	1	2005	242	157.					
1	0125	18	99.	*	1	0740	93	2208.	*	1	1355	168	198.	*	1	2010	243	156.					
1	0130	19	130.	*	1	0745	94	2041.	*	1	1400	169	197.	*	1	2015	244	156.					
1	0135	20	159.	*	1	0750	95	1885.	*	1	1405	170	196.	*	1	2020	245	155.					
1	0140	21	183.	*	1	0755	96	1736.	*	1	1410	171	195.	*	1	2025	246	155.					
1	0145	22	205.	*	1	0800	97	1594.	*	1	1415	172	194.	*	1	2030	247	154.					
1	0150	23	227.	*	1	0805	98	1458.	*	1	1420	173	193.	*	1	2035	248	154.					
1	0155	24	252.	*	1	0810	99	1328.	*	1	1425	174	192.	*	1	2040	249	154.					
1	0200	25	284.	*	1	0815	100	1208.	*	1	1430	175	191.	*	1	2045	250	153.					
1	0205	26	325.	*	1	0820	101	1098.	*	1	1435	176	190.	*	1	2050	251	153.					
1	0210	27	379.	*	1	0825	102	1001.	*	1	1440	177	189.	*	1	2055	252	152.					
1	0215	28	445.	*	1	0830	103	917.	*	1	1445	178	188.	*	1	2100	253	152.					
1	0220	29	524.	*	1	0835	104	843.	*	1	1450	179	187.	*	1	2105	254	151.					
1	0225	30	611.	*	1	0840	105	779.	*	1	1455	180	187.	*	1	2110	255	151.					

1	0230	31	708.	*	1	0845	106	723.	*	1	1500	181	186.	*	1	2115	256	150.
1	0235	32	813.	*	1	0850	107	674.	*	1	1505	182	185.	*	1	2120	257	150.
1	0240	33	924.	*	1	0855	108	631.	*	1	1510	183	184.	*	1	2125	258	149.
1	0245	34	1039.	*	1	0900	109	593.	*	1	1515	184	183.	*	1	2130	259	149.
1	0250	35	1150.	*	1	0905	110	558.	*	1	1520	185	183.	*	1	2135	260	148.
1	0255	36	1253.	*	1	0910	111	527.	*	1	1525	186	182.	*	1	2140	261	148.
1	0300	37	1350.	*	1	0915	112	499.	*	1	1530	187	181.	*	1	2145	262	147.
1	0305	38	1447.	*	1	0920	113	474.	*	1	1535	188	181.	*	1	2150	263	147.
1	0310	39	1554.	*	1	0925	114	453.	*	1	1540	189	180.	*	1	2155	264	147.
1	0315	40	1687.	*	1	0930	115	433.	*	1	1545	190	179.	*	1	2200	265	146.
1	0320	41	1872.	*	1	0935	116	416.	*	1	1550	191	179.	*	1	2205	266	146.
1	0325	42	2156.	*	1	0940	117	400.	*	1	1555	192	178.	*	1	2210	267	145.
1	0330	43	2617.	*	1	0945	118	386.	*	1	1600	193	177.	*	1	2215	268	145.
1	0335	44	3364.	*	1	0950	119	374.	*	1	1605	194	177.	*	1	2220	269	144.
1	0340	45	4558.	*	1	0955	120	362.	*	1	1610	195	176.	*	1	2225	270	143.
1	0345	46	6302.	*	1	1000	121	352.	*	1	1615	196	176.	*	1	2230	271	143.
1	0350	47	8505.	*	1	1005	122	343.	*	1	1620	197	175.	*	1	2235	272	142.
1	0355	48	10768.	*	1	1010	123	334.	*	1	1625	198	175.	*	1	2240	273	142.
1	0400	49	12536.	*	1	1015	124	327.	*	1	1630	199	174.	*	1	2245	274	141.
1	0405	50	13516.	*	1	1020	125	319.	*	1	1635	200	173.	*	1	2250	275	140.
1	0410	51	13854.	*	1	1025	126	313.	*	1	1640	201	173.	*	1	2255	276	140.
1	0415	52	13857.	*	1	1030	127	307.	*	1	1645	202	172.	*	1	2300	277	139.
1	0420	53	13715.	*	1	1035	128	301.	*	1	1650	203	172.	*	1	2305	278	139.
1	0425	54	13469.	*	1	1040	129	295.	*	1	1655	204	171.	*	1	2310	279	138.
1	0430	55	13125.	*	1	1045	130	290.	*	1	1700	205	171.	*	1	2315	280	138.
1	0435	56	12727.	*	1	1050	131	285.	*	1	1705	206	170.	*	1	2320	281	137.
1	0440	57	12339.	*	1	1055	132	281.	*	1	1710	207	170.	*	1	2325	282	137.
1	0445	58	12016.	*	1	1100	133	277.	*	1	1715	208	169.	*	1	2330	283	136.
1	0450	59	11801.	*	1	1105	134	273.	*	1	1720	209	169.	*	1	2335	284	135.
1	0455	60	11722.	*	1	1110	135	269.	*	1	1725	210	168.	*	1	2340	285	135.
1	0500	61	11778.	*	1	1115	136	265.	*	1	1730	211	168.	*	1	2345	286	134.
1	0505	62	11933.	*	1	1120	137	262.	*	1	1735	212	167.	*	1	2350	287	134.
1	0510	63	12121.	*	1	1125	138	259.	*	1	1740	213	167.	*	1	2355	288	133.
1	0515	64	12259.	*	1	1130	139	256.	*	1	1745	214	167.	*	2	0000	289	133.
1	0520	65	12292.	*	1	1135	140	253.	*	1	1750	215	166.	*	2	0005	290	132.
1	0525	66	12200.	*	1	1140	141	250.	*	1	1755	216	166.	*	2	0010	291	132.
1	0530	67	11993.	*	1	1145	142	247.	*	1	1800	217	165.	*	2	0015	292	131.
1	0535	68	11700.	*	1	1150	143	245.	*	1	1805	218	165.	*	2	0020	293	131.
1	0540	69	11353.	*	1	1155	144	242.	*	1	1810	219	165.	*	2	0025	294	130.
1	0545	70	10985.	*	1	1200	145	239.	*	1	1815	220	164.	*	2	0030	295	130.
1	0550	71	10619.	*	1	1205	146	237.	*	1	1820	221	164.	*	2	0035	296	129.
1	0555	72	10270.	*	1	1210	147	234.	*	1	1825	222	163.	*	2	0040	297	129.
1	0600	73	9944.	*	1	1215	148	231.	*	1	1830	223	163.	*	2	0045	298	128.
1	0605	74	9646.	*	1	1220	149	229.	*	1	1835	224	163.	*	2	0050	299	128.
1	0610	75	9374.	*	1	1225	150	227.	*	1	1840	225	162.	*	2	0055	300	127.

PEAK FLOW	TIME	MAXIMUM AVERAGE FLOW			
(CFS)	(HR)	6-HR	24-HR	72-HR	24.92-HR
+	13857.	6963.	1903.	1833.	1833.
		(INCHES)	.333	.364	.364
		(AC-FT)	3453.	3775.	3775.

CUMULATIVE AREA = 194.52 SQ MI

HYDROGRAPH AT STATION CNEL02C1
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .54

DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*	DA	MON	HRMN	ORD	FLOW	*
1	0000	1	1.	*	1	0615	76	8830.	*	1	1230	151	215.	*	1	1845	226	157.					
1	0005	2	1.	*	1	0620	77	8607.	*	1	1235	152	213.	*	1	1850	227	157.					
1	0010	3	1.	*	1	0625	78	8401.	*	1	1240	153	211.	*	1	1855	228	157.					
1	0015	4	1.	*	1	0630	79	8211.	*	1	1245	154	209.	*	1	1900	229	156.					
1	0020	5	1.	*	1	0635	80	8039.	*	1	1250	155	208.	*	1	1905	230	156.					
1	0025	6	1.	*	1	0640	81	7856.	*	1	1255	156	206.	*	1	1910	231	155.					
1	0030	7	1.	*	1	0645	82	7524.	*	1	1300	157	204.	*	1	1915	232	155.					
1	0035	8	1.	*	1	0650	83	6846.	*	1	1305	158	203.	*	1	1920	233	154.					
1	0040	9	1.	*	1	0655	84	5850.	*	1	1310	159	201.	*	1	1925	234	154.					
1	0045	10	1.	*	1	0700	85	4832.	*	1	1315	160	200.	*	1	1930	235	153.					
1	0050	11	1.	*	1	0705	86	4036.	*	1	1320	161	199.	*	1	1935	236	153.					
1	0055	12	2.	*	1	0710	87	3503.	*	1	1325	162	197.	*	1	1940	237	152.					
1	0100	13	3.	*	1	0715	88	3151.	*	1	1330	163	196.	*	1	1945	238	152.					
1	0105	14	7.	*	1	0720	89	2890.	*	1	1335	164	195.	*	1	1950	239	151.					
1	0110	15	15.	*	1	0725	90	2667.	*	1	1340	165	194.	*	1	1955	240	151.					
1	0115	16	29.	*	1	0730	91	2462.	*	1	1345	166	193.	*	1	2000	241	150.					
1	0120	17	50.	*	1	0735	92	2270.	*	1	1350	167	191.	*	1	2005	242	150.					
1	0125	18	76.	*	1	0740	93	2089.	*	1	1355	168	190.	*	1	2010	243	149.					
1	0130	19	102.	*	1	0745	94	1919.	*	1	1400	169	189.	*	1	2015	244	149.					
1	0135	20	127.	*	1	0750	95	1761.	*	1	1405	170	188.	*	1	2020	245	148.					
1	0140	21	149.	*	1	0755	96	1614.	*	1	1410	171	187.	*	1	2025	246	148.					
1	0145	22	168.	*	1	0800	97	1476.	*	1	1415	172	186.	*	1	2030	247	148.					
1	0150	23	187.	*	1	0805	98	1347.	*	1	1420	173	186.	*	1	2035	248	147.					
1	0155	24	207.	*	1	0810	99	1228.	*	1	1425	174	185.	*	1	2040	249	147.					
1	0200	25	233.	*	1	0815	100	1119.	*	1	1430	175	184.	*	1	2045	250	146.					
1	0205	26	266.	*	1	0820	101	1023.	*	1	1435	176	183.	*	1	2050	251	146.					

1	0210	27	310.	*	1	0825	102	938.	*	1	1440	177	182.	*	1	2055	252	145.
1	0215	28	366.	*	1	0830	103	864.	*	1	1445	178	181.	*	1	2100	253	145.
1	0220	29	432.	*	1	0835	104	800.	*	1	1450	179	181.	*	1	2105	254	144.
1	0225	30	507.	*	1	0840	105	745.	*	1	1455	180	180.	*	1	2110	255	144.
1	0230	31	589.	*	1	0845	106	696.	*	1	1500	181	179.	*	1	2115	256	143.
1	0235	32	678.	*	1	0850	107	652.	*	1	1505	182	178.	*	1	2120	257	143.
1	0240	33	773.	*	1	0855	108	613.	*	1	1510	183	178.	*	1	2125	258	142.
1	0245	34	873.	*	1	0900	109	577.	*	1	1515	184	177.	*	1	2130	259	141.
1	0250	35	972.	*	1	0905	110	544.	*	1	1520	185	176.	*	1	2135	260	141.
1	0255	36	1064.	*	1	0910	111	514.	*	1	1525	186	176.	*	1	2140	261	140.
1	0300	37	1149.	*	1	0915	112	487.	*	1	1530	187	175.	*	1	2145	262	140.
1	0305	38	1233.	*	1	0920	113	463.	*	1	1535	188	174.	*	1	2150	263	139.
1	0310	39	1326.	*	1	0925	114	441.	*	1	1540	189	174.	*	1	2155	264	138.
1	0315	40	1443.	*	1	0930	115	421.	*	1	1545	190	173.	*	1	2200	265	138.
1	0320	41	1603.	*	1	0935	116	404.	*	1	1550	191	172.	*	1	2205	266	137.
1	0325	42	1849.	*	1	0940	117	388.	*	1	1555	192	172.	*	1	2210	267	137.
1	0330	43	2244.	*	1	0945	118	374.	*	1	1600	193	171.	*	1	2215	268	136.
1	0335	44	2887.	*	1	0950	119	362.	*	1	1605	194	171.	*	1	2220	269	136.
1	0340	45	3911.	*	1	0955	120	350.	*	1	1610	195	170.	*	1	2225	270	135.
1	0345	46	5446.	*	1	1000	121	340.	*	1	1615	196	170.	*	1	2230	271	135.
1	0350	47	7457.	*	1	1005	122	331.	*	1	1620	197	169.	*	1	2235	272	134.
1	0355	48	9656.	*	1	1010	123	322.	*	1	1625	198	169.	*	1	2240	273	134.
1	0400	49	11554.	*	1	1015	124	315.	*	1	1630	199	168.	*	1	2245	274	133.
1	0405	50	12783.	*	1	1020	125	307.	*	1	1635	200	168.	*	1	2250	275	132.
1	0410	51	13325.	*	1	1025	126	301.	*	1	1640	201	167.	*	1	2255	276	132.
1	0415	52	13386.	*	1	1030	127	295.	*	1	1645	202	167.	*	1	2300	277	131.
1	0420	53	13213.	*	1	1035	128	289.	*	1	1650	203	166.	*	1	2305	278	131.
1	0425	54	12953.	*	1	1040	129	284.	*	1	1655	204	166.	*	1	2310	279	130.
1	0430	55	12638.	*	1	1045	130	279.	*	1	1700	205	165.	*	1	2315	280	130.
1	0435	56	12265.	*	1	1050	131	274.	*	1	1705	206	165.	*	1	2320	281	129.
1	0440	57	11885.	*	1	1055	132	270.	*	1	1710	207	165.	*	1	2325	282	129.
1	0445	58	11572.	*	1	1100	133	266.	*	1	1715	208	164.	*	1	2330	283	128.
1	0450	59	11371.	*	1	1105	134	262.	*	1	1720	209	164.	*	1	2335	284	128.
1	0455	60	11296.	*	1	1110	135	258.	*	1	1725	210	163.	*	1	2340	285	127.
1	0500	61	11347.	*	1	1115	136	255.	*	1	1730	211	163.	*	1	2345	286	127.
1	0505	62	11490.	*	1	1120	137	252.	*	1	1735	212	162.	*	1	2350	287	126.
1	0510	63	11663.	*	1	1125	138	249.	*	1	1740	213	162.	*	1	2355	288	126.
1	0515	64	11793.	*	1	1130	139	246.	*	1	1745	214	162.	*	2	0000	289	125.
1	0520	65	11827.	*	1	1135	140	243.	*	1	1750	215	161.	*	2	0005	290	125.
1	0525	66	11745.	*	1	1140	141	240.	*	1	1755	216	161.	*	2	0010	291	124.
1	0530	67	11554.	*	1	1145	142	237.	*	1	1800	217	161.	*	2	0015	292	124.
1	0535	68	11281.	*	1	1150	143	234.	*	1	1805	218	160.	*	2	0020	293	123.
1	0540	69	10956.	*	1	1155	144	232.	*	1	1810	219	160.	*	2	0025	294	123.
1	0545	70	10609.	*	1	1200	145	229.	*	1	1815	220	159.	*	2	0030	295	122.
1	0550	71	10261.	*	1	1205	146	226.	*	1	1820	221	159.	*	2	0035	296	122.
1	0555	72	9929.	*	1	1210	147	224.	*	1	1825	222	159.	*	2	0040	297	121.
1	0600	73	9619.	*	1	1215	148	222.	*	1	1830	223	158.	*	2	0045	298	121.
1	0605	74	9333.	*	1	1220	149	219.	*	1	1835	224	158.	*	2	0050	299	120.
1	0610	75	9071.	*	1	1225	150	217.	*	1	1840	225	158.	*	2	0055	300	120.

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
13386.	4.25	6483.	1774.	1709.	1709.
		(INCHES) .310	.339	.339	.339
		(AC-FT) 3214.	3519.	3519.	3519.

CUMULATIVE AREA = 194.52 SQ MI

HYDROGRAPH AT STATION CNEL02C1
SUM OF 2 HYDROGRAPHS
PLAN 1, RATIO = .52

DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW	DA	MON	HRMN	ORD	FLOW
1	0000	1	1.	*	1	0615	76	8593.	*	1	1230	151	206.	*	1	1845	226	151.	
1	0005	2	1.	*	1	0620	77	8397.	*	1	1235	152	205.	*	1	1850	227	151.	
1	0010	3	1.	*	1	0625	78	8204.	*	1	1240	153	203.	*	1	1855	228	150.	
1	0015	4	1.	*	1	0630	79	7899.	*	1	1245	154	201.	*	1	1900	229	150.	
1	0020	5	1.	*	1	0635	80	7280.	*	1	1250	155	200.	*	1	1905	230	149.	
1	0025	6	1.	*	1	0640	81	6348.	*	1	1255	156	198.	*	1	1910	231	149.	
1	0030	7	1.	*	1	0645	82	5367.	*	1	1300	157	197.	*	1	1915	232	148.	
1	0035	8	1.	*	1	0650	83	4579.	*	1	1305	158	195.	*	1	1920	233	148.	
1	0040	9	1.	*	1	0655	84	4039.	*	1	1310	159	194.	*	1	1925	234	148.	
1	0045	10	1.	*	1	0700	85	3671.	*	1	1315	160	193.	*	1	1930	235	147.	
1	0050	11	1.	*	1	0705	86	3390.	*	1	1320	161	191.	*	1	1935	236	147.	
1	0055	12	2.	*	1	0710	87	3143.	*	1	1325	162	190.	*	1	1940	237	146.	
1	0100	13	2.	*	1	0715	88	2914.	*	1	1330	163	189.	*	1	1945	238	146.	
1	0105	14	5.	*	1	0720	89	2698.	*	1	1335	164	188.	*	1	1950	239	145.	
1	0110	15	10.	*	1	0725	90	2494.	*	1	1340	165	187.	*	1	1955	240	145.	
1	0115	16	21.	*	1	0730	91	2302.	*	1	1345	166	186.	*	1	2000	241	144.	
1	0120	17	37.	*	1	0735	92	2121.	*	1	1350	167	185.	*	1	2005	242	144.	
1	0125	18	57.	*	1	0740	93	1949.	*	1	1355	168	184.	*	1	2010	243	143.	
1	0130	19	80.	*	1	0745	94	1786.	*	1	1400	169	183.	*	1	2015	244	143.	
1	0135	20	101.	*	1	0750	95	1633.	*	1	1405	170	182.	*	1	2020	245	142.	
1	0140	21	120.	*	1	0755	96	1490.	*	1	1410	171	181.	*	1	2025	246	141.	
1	0145	22	137.	*	1	0800	97	1358.	*	1	1415	172	180.	*	1	2030	247	141.	

1	0150	23	153.	*	1	0805	98	1238.	*	1	1420	173	179.	*	1	2035	248	140.
1	0155	24	170.	*	1	0810	99	1132.	*	1	1425	174	178.	*	1	2040	249	140.
1	0200	25	191.	*	1	0815	100	1038.	*	1	1430	175	178.	*	1	2045	250	139.
1	0205	26	218.	*	1	0820	101	955.	*	1	1435	176	177.	*	1	2050	251	138.
1	0210	27	254.	*	1	0825	102	881.	*	1	1440	177	176.	*	1	2055	252	138.
1	0215	28	300.	*	1	0830	103	816.	*	1	1445	178	175.	*	1	2100	253	137.
1	0220	29	356.	*	1	0835	104	759.	*	1	1450	179	175.	*	1	2105	254	137.
1	0225	30	420.	*	1	0840	105	708.	*	1	1455	180	174.	*	1	2110	255	136.
1	0230	31	490.	*	1	0845	106	662.	*	1	1500	181	173.	*	1	2115	256	136.
1	0235	32	566.	*	1	0850	107	621.	*	1	1505	182	173.	*	1	2120	257	135.
1	0240	33	647.	*	1	0855	108	584.	*	1	1510	183	172.	*	1	2125	258	135.
1	0245	34	733.	*	1	0900	109	550.	*	1	1515	184	171.	*	1	2130	259	134.
1	0250	35	819.	*	1	0905	110	519.	*	1	1520	185	171.	*	1	2135	260	133.
1	0255	36	903.	*	1	0910	111	491.	*	1	1525	186	170.	*	1	2140	261	133.
1	0300	37	982.	*	1	0915	112	466.	*	1	1530	187	169.	*	1	2145	262	132.
1	0305	38	1057.	*	1	0920	113	443.	*	1	1535	188	169.	*	1	2150	263	132.
1	0310	39	1138.	*	1	0925	114	423.	*	1	1540	189	168.	*	1	2155	264	131.
1	0315	40	1239.	*	1	0930	115	404.	*	1	1545	190	168.	*	1	2200	265	131.
1	0320	41	1379.	*	1	0935	116	388.	*	1	1550	191	167.	*	1	2205	266	130.
1	0325	42	1589.	*	1	0940	117	373.	*	1	1555	192	167.	*	1	2210	267	130.
1	0330	43	1929.	*	1	0945	118	360.	*	1	1600	193	166.	*	1	2215	268	129.
1	0335	44	2484.	*	1	0950	119	348.	*	1	1605	194	166.	*	1	2220	269	129.
1	0340	45	3366.	*	1	0955	120	337.	*	1	1610	195	165.	*	1	2225	270	128.
1	0345	46	4711.	*	1	1000	121	327.	*	1	1615	196	165.	*	1	2230	271	128.
1	0350	47	6526.	*	1	1005	122	319.	*	1	1620	197	164.	*	1	2235	272	127.
1	0355	48	8601.	*	1	1010	123	310.	*	1	1625	198	164.	*	1	2240	273	127.
1	0400	49	10546.	*	1	1015	124	303.	*	1	1630	199	164.	*	1	2245	274	126.
1	0405	50	11991.	*	1	1020	125	296.	*	1	1635	200	163.	*	1	2250	275	125.
1	0410	51	12773.	*	1	1025	126	290.	*	1	1640	201	163.	*	1	2255	276	125.
1	0415	52	12993.	*	1	1030	127	284.	*	1	1645	202	162.	*	1	2300	277	124.
1	0420	53	12868.	*	1	1035	128	279.	*	1	1650	203	162.	*	1	2305	278	124.
1	0425	54	12575.	*	1	1040	129	274.	*	1	1655	204	161.	*	1	2310	279	123.
1	0430	55	12208.	*	1	1045	130	269.	*	1	1700	205	161.	*	1	2315	280	123.
1	0435	56	11830.	*	1	1050	131	265.	*	1	1705	206	161.	*	1	2320	281	123.
1	0440	57	11486.	*	1	1055	132	261.	*	1	1710	207	160.	*	1	2325	282	122.
1	0445	58	11209.	*	1	1100	133	257.	*	1	1715	208	160.	*	1	2330	283	122.
1	0450	59	11019.	*	1	1105	134	253.	*	1	1720	209	159.	*	1	2335	284	121.
1	0455	60	10936.	*	1	1110	135	250.	*	1	1725	210	159.	*	1	2340	285	121.
1	0500	61	10972.	*	1	1115	136	246.	*	1	1730	211	159.	*	1	2345	286	120.
1	0505	62	11101.	*	1	1120	137	243.	*	1	1735	212	158.	*	1	2350	287	120.
1	0510	63	11261.	*	1	1125	138	240.	*	1	1740	213	158.	*	1	2355	288	119.
1	0515	64	11384.	*	1	1130	139	236.	*	1	1745	214	157.	*	2	0000	289	119.
1	0520	65	11417.	*	1	1135	140	233.	*	1	1750	215	157.	*	2	0005	290	118.
1	0525	66	11343.	*	1	1140	141	230.	*	1	1755	216	156.	*	2	0010	291	118.
1	0530	67	11167.	*	1	1145	142	227.	*	1	1800	217	156.	*	2	0015	292	117.
1	0535	68	10912.	*	1	1150	143	224.	*	1	1805	218	155.	*	2	0020	293	116.
1	0540	69	10607.	*	1	1155	144	222.	*	1	1810	219	155.	*	2	0025	294	116.
1	0545	70	10279.	*	1	1200	145	219.	*	1	1815	220	154.	*	2	0030	295	115.
1	0550	71	9949.	*	1	1205	146	217.	*	1	1820	221	154.	*	2	0035	296	114.
1	0555	72	9631.	*	1	1210	147	215.	*	1	1825	222	153.	*	2	0040	297	113.
1	0600	73	9333.	*	1	1215	148	212.	*	1	1830	223	153.	*	2	0045	298	112.
1	0605	74	9060.	*	1	1220	149	210.	*	1	1835	224	152.	*	2	0050	299	111.
1	0610	75	8813.	*	1	1225	150	208.	*	1	1840	225	152.	*	2	0055	300	111.

PEAK FLOW (CFS)	TIME (HR)	MAXIMUM AVERAGE FLOW			
		6-HR	24-HR	72-HR	24.92-HR
12993.	4.25	6059.	1660.	1599.	1599.
		(INCHES) .290	.317	.317	.317
		(AC-FT) 3005.	3292.	3292.	3292.

CUMULATIVE AREA = 194.52 SQ MI

1

PEAK FLOW AND STAGE (END-OF-PERIOD) SUMMARY FOR MULTIPLE PLAN-RATIO ECONOMIC COMPUTATIONS
 FLOWS IN CUBIC FEET PER SECOND, AREA IN SQUARE MILES
 TIME TO PEAK IN HOURS

OPERATION	STATION	AREA	PLAN	RATIOS APPLIED TO PRECIPITATION					
				RATIO 1	RATIO 2	RATIO 3	RATIO 4	RATIO 5	
				.61	.59	.56	.54	.52	
HYDROGRAPH AT	NW62-S	.21	1	FLOW	131.	126.	120.	114.	109.
				TIME	3.58	3.58	3.58	3.58	3.58
ROUTED TO	RNW62-S	.21	1	FLOW	125.	119.	114.	107.	103.
				TIME	3.58	3.58	3.58	3.58	3.58
HYDROGRAPH AT	NW74-C	.25	1	FLOW	137.	131.	124.	118.	113.
				TIME	3.67	3.67	3.67	3.67	3.67
2 COMBINED AT	CNW74-C	.45	1	FLOW	261.	249.	237.	225.	214.
				TIME	3.58	3.58	3.58	3.67	3.67
ROUTED TO	RCNW74-C	.45	1	FLOW	259.	248.	236.	224.	213.
				TIME					

+		CNW89-C	1.02	1	FLOW TIME	244. 3.83	230. 3.83	201. 3.83	179. 3.92	166. 3.92
	2 COMBINED AT									
+		2CNW89-C	2.66	1	FLOW TIME	1033. 3.75	961. 3.75	880. 3.75	824. 3.67	780. 3.67
	ROUTED TO									
+		R2C89-C	2.66	1	FLOW TIME	1016. 3.75	949. 3.75	878. 3.75	823. 3.75	774. 3.75
	HYDROGRAPH AT									
+		NW103-C	.39	1	FLOW TIME	158. 3.67	150. 3.67	140. 3.67	131. 3.67	124. 3.67
	2 COMBINED AT									
+		CNW103-C	3.05	1	FLOW TIME	1166. 3.75	1092. 3.75	1011. 3.75	948. 3.75	891. 3.75
	ROUTED TO									
+		RC103-C	3.05	1	FLOW TIME	1157. 3.75	1085. 3.75	1007. 3.75	943. 3.75	888. 3.75
	HYDROGRAPH AT									
+		NWBB1-C	.14	1	FLOW TIME	31. 3.67	28. 3.67	26. 3.67	23. 3.67	21. 3.67
	2 COMBINED AT									
+		CNWBB1-C	3.19	1	FLOW TIME	1186. 3.75	1111. 3.75	1031. 3.75	965. 3.75	908. 3.75
	ROUTED TO									
+		RCWBB1-C	3.19	1	FLOW TIME	1177. 3.75	1104. 3.75	1025. 3.75	960. 3.75	903. 3.75
	HYDROGRAPH AT									
+		NWBB3-C	.17	1	FLOW TIME	83. 3.67	79. 3.67	74. 3.67	70. 3.67	66. 3.67
	DIVERSION TO									
+		DNWBC6-C	.17	1	FLOW TIME	82. 3.67	78. 3.67	73. 3.67	69. 3.67	65. 3.67
	HYDROGRAPH AT									
+		DNWBB3-C	.17	1	FLOW TIME	1. 3.42	1. 3.50	1. 3.50	1. 3.50	1. 3.50
	2 COMBINED AT									
+		CNWBB3-C	3.36	1	FLOW TIME	1178. 3.75	1105. 3.75	1026. 3.75	961. 3.75	904. 3.75
	ROUTED TO									
+		RCNBB3-C	3.36	1	FLOW TIME	1164. 3.75	1093. 3.75	1016. 3.75	951. 3.75	895. 3.75
	HYDROGRAPH AT									
+		NWBD2-N	.10	1	FLOW TIME	33. 3.67	31. 3.67	29. 3.67	27. 3.67	25. 3.67
	2 COMBINED AT									
+		CNWBD2-N	3.45	1	FLOW TIME	1192. 3.75	1120. 3.75	1041. 3.75	974. 3.75	917. 3.75
	ROUTED TO									
+		RCWBD2-N	3.45	1	FLOW TIME	1188. 3.75	1116. 3.75	1037. 3.75	970. 3.75	913. 3.75
	HYDROGRAPH AT									
+		NWBD2-S	.14	1	FLOW TIME	54. 3.58	51. 3.58	48. 3.58	44. 3.58	41. 3.58
	DIVERSION TO									
+		DNW1C1-C	.14	1	FLOW TIME	41. 3.58	38. 3.58	35. 3.58	33. 3.58	31. 3.58
	HYDROGRAPH AT									
+		DNWBD2-S	.14	1	FLOW TIME	14. 3.58	13. 3.58	12. 3.58	11. 3.58	11. 3.58
	2 COMBINED AT									
+		CNWBD2-S	3.60	1	FLOW TIME	1199. 3.75	1127. 3.75	1047. 3.75	979. 3.75	922. 3.75
	ROUTED TO									
+		RCWBD2-S	3.60	1	FLOW TIME	1189. 3.83	1121. 3.83	1040. 3.83	971. 3.83	911. 3.83
	HYDROGRAPH AT									
+		NW2B2-C	.24	1	FLOW TIME	98. 3.75	93. 3.75	87. 3.75	82. 3.75	78. 3.75
	2 COMBINED AT									
+		CNW2B2-C	3.84	1	FLOW TIME	1281. 3.83	1208. 3.83	1122. 3.83	1048. 3.83	984. 3.83

ROUTED TO +	RCW2B2-C	3.84	1	FLOW TIME	1274. 3.83	1202. 3.83	1118. 3.83	1043. 3.83	982. 3.83
HYDROGRAPH AT +	NW2A2-C	.18	1	FLOW TIME	44. 3.67	41. 3.67	37. 3.67	34. 3.67	31. 3.67
ROUTED TO +	RNW2A2-C	.18	1	FLOW TIME	44. 3.92	41. 3.92	38. 3.92	34. 3.92	31. 3.92
HYDROGRAPH AT +	NW2A4-C	.17	1	FLOW TIME	33. 3.75	31. 3.75	28. 3.75	25. 3.75	22. 3.75
ROUTED TO +	RNW2A4-C	.17	1	FLOW TIME	34. 3.83	31. 3.83	28. 3.83	25. 3.92	22. 3.92
HYDROGRAPH AT +	NW2C3-C	.23	1	FLOW TIME	32. 3.75	29. 3.83	26. 3.83	23. 3.83	21. 3.83
3 COMBINED AT +	CNW2C3-C	.59	1	FLOW TIME	108. 3.92	100. 3.92	90. 3.92	81. 3.92	74. 3.92
ROUTED TO +	RCW2C3-C	.59	1	FLOW TIME	108. 4.08	100. 4.08	90. 4.08	82. 4.08	74. 4.08
HYDROGRAPH AT +	NW2D3-C	.23	1	FLOW TIME	44. 3.83	41. 3.83	37. 3.83	33. 3.83	30. 3.83
3 COMBINED AT +	CNW2D3-C	4.65	1	FLOW TIME	1390. 3.83	1306. 3.83	1208. 3.83	1120. 3.83	1048. 3.83
ROUTED TO +	RCW2D3-C	4.65	1	FLOW TIME	1380. 3.92	1299. 3.92	1204. 3.92	1118. 3.92	1047. 3.92
HYDROGRAPH AT +	NW2C4-C	.25	1	FLOW TIME	36. 3.83	32. 3.83	29. 3.83	25. 3.83	23. 3.92
ROUTED TO +	RNW2C4-C	.25	1	FLOW TIME	36. 4.08	32. 4.08	29. 4.08	25. 4.08	23. 4.08
HYDROGRAPH AT +	NW2D4-C	.25	1	FLOW TIME	35. 3.83	32. 3.83	28. 3.83	25. 3.83	23. 3.92
3 COMBINED AT +	CNW2D4-C	5.15	1	FLOW TIME	1446. 3.92	1358. 3.92	1256. 3.92	1164. 3.92	1087. 3.92
ROUTED TO +	RCW2D4-C	5.15	1	FLOW TIME	1441. 3.92	1349. 3.92	1248. 3.92	1152. 3.92	1076. 3.92
HYDROGRAPH AT +	NW3A2-C	.25	1	FLOW TIME	27. 3.83	25. 3.92	22. 5.08	20. 5.08	18. 5.08
ROUTED TO +	RNW3A2-C	.25	1	FLOW TIME	27. 4.17	24. 4.17	21. 5.33	19. 5.33	18. 5.33
HYDROGRAPH AT +	NW3B3-C	.24	1	FLOW TIME	28. 3.83	26. 3.83	22. 3.92	20. 5.08	18. 5.08
3 COMBINED AT +	CNW3B3-C	5.64	1	FLOW TIME	1487. 3.92	1390. 3.92	1282. 3.92	1179. 3.92	1097. 3.92
ROUTED TO +	RCW3B3-C	5.64	1	FLOW TIME	1471. 4.00	1378. 4.00	1276. 4.00	1175. 4.00	1096. 4.00
HYDROGRAPH AT +	NW3A4-C	.25	1	FLOW TIME	36. 3.83	33. 3.83	29. 3.83	26. 3.83	23. 3.92
ROUTED TO +	RNW3A4-C	.25	1	FLOW TIME	36. 3.92	33. 3.92	29. 4.00	26. 4.00	23. 4.00
HYDROGRAPH AT +	NW3B4-C	.25	1	FLOW TIME	38. 3.83	35. 3.83	31. 3.83	28. 3.83	25. 3.83

2 COMBINED AT										
+	CNW3B4-C	.51	1	FLOW TIME	74. 3.92	67. 3.92	60. 3.92	53. 3.92	47. 3.92	
2 COMBINED AT										
+	2CW3B4-C	6.15	1	FLOW TIME	1542. 4.00	1443. 4.00	1334. 4.00	1227. 4.00	1143. 4.00	
ROUTED TO										
+	RCW3B4-C	6.15	1	FLOW TIME	1534. 4.00	1431. 4.00	1317. 4.00	1211. 4.00	1126. 4.08	
HYDROGRAPH AT										
+	NW3D3-C	.26	1	FLOW TIME	64. 3.75	60. 3.75	55. 3.75	51. 3.83	47. 3.83	
2 COMBINED AT										
+	CNW3D3-C	6.41	1	FLOW TIME	1590. 4.00	1484. 4.00	1366. 4.00	1255. 4.00	1165. 4.00	
ROUTED TO										
+	RCW3D3-C	6.41	1	FLOW TIME	1569. 4.08	1475. 4.08	1357. 4.08	1248. 4.08	1169. 4.08	
HYDROGRAPH AT										
+	NW129-C	.14	1	FLOW TIME	36. 3.67	34. 3.67	30. 3.67	28. 3.67	25. 3.67	
ROUTED TO										
+	RNW129-C	.14	1	FLOW TIME	35. 3.75	33. 3.75	31. 3.75	27. 3.75	26. 3.75	
HYDROGRAPH AT										
+	NW130-E	.25	1	FLOW TIME	58. 3.75	54. 3.75	49. 3.75	45. 3.75	41. 3.75	
ROUTED TO										
+	RNW130-E	.25	1	FLOW TIME	57. 3.83	53. 3.83	49. 3.83	45. 3.83	41. 3.83	
HYDROGRAPH AT										
+	NW148-C	.13	1	FLOW TIME	17. 3.83	15. 3.83	13. 3.83	12. 3.83	11. 5.00	
3 COMBINED AT										
+	CNW148-C	.52	1	FLOW TIME	108. 3.75	101. 3.75	91. 3.83	83. 3.83	76. 3.83	
ROUTED TO										
+	RCW148-C	.52	1	FLOW TIME	108. 3.83	100. 3.83	91. 3.83	83. 3.83	76. 3.83	
HYDROGRAPH AT										
+	NW116-C	.13	1	FLOW TIME	26. 3.67	24. 3.67	21. 3.67	19. 3.67	17. 3.67	
ROUTED TO										
+	RNW116-C	.13	1	FLOW TIME	26. 4.00	24. 4.08	22. 4.08	19. 4.08	17. 4.08	
HYDROGRAPH AT										
+	NW128	.45	1	FLOW TIME	47. 3.83	43. 5.00	39. 5.00	35. 5.00	32. 5.00	
2 COMBINED AT										
+	CNW128	.58	1	FLOW TIME	68. 4.00	61. 4.00	54. 4.00	47. 4.00	41. 4.00	
HYDROGRAPH AT										
+	NW157	.25	1	FLOW TIME	47. 3.75	43. 3.75	39. 3.75	35. 3.75	31. 3.75	
3 COMBINED AT										
+	CTULEDB	1.35	1	FLOW TIME	214. 3.83	196. 3.83	175. 3.83	156. 3.92	141. 3.92	
ROUTED TO										
+	TULEDB	1.35	1	FLOW TIME	20. 6.17	20. 6.17	19. 6.17	18. 6.08	18. 6.08	
** PEAK STAGES IN FEET **										
1	STAGE				2431.09	2431.01	2430.87	2430.74	2430.63	
	TIME				6.17	6.17	6.17	6.08	6.08	
ROUTED TO										
+	RTULEDB	1.35	1	FLOW TIME	20. 6.17	20. 6.17	19. 6.17	18. 6.17	18. 6.08	
HYDROGRAPH AT										
+	NW147-E	.18	1	FLOW TIME	24. 3.75	22. 3.75	19. 3.75	16. 5.00	15. 5.00	
2 COMBINED AT										
+	CNW147E	1.54	1	FLOW	40.	38.	35.	33.	31.	

+		DNW75-C	.44	1	FLOW TIME	53. 3.75	51. 3.75	48. 3.75	45. 3.75	42. 3.75
	ROUTED TO									
+		RDW75-C	.44	1	FLOW TIME	54. 3.83	51. 3.83	48. 3.83	45. 3.83	43. 3.83
	2 COMBINED AT									
+		2CNW96-C	1.39	1	FLOW TIME	379. 3.75	364. 3.75	345. 3.75	329. 3.75	314. 3.75
	ROUTED TO									
+		R2CW96-C	1.39	1	FLOW TIME	376. 3.75	360. 3.83	340. 3.75	325. 3.83	311. 3.83
	HYDROGRAPH AT									
+		NW113-C	.19	1	FLOW TIME	61. 3.67	57. 3.67	52. 3.67	49. 3.67	45. 3.67
	2 COMBINED AT									
+		CNW113-C	1.58	1	FLOW TIME	432. 3.75	412. 3.75	388. 3.75	368. 3.75	350. 3.75
	ROUTED TO									
+		RCW113-C	1.58	1	FLOW TIME	427. 3.75	407. 3.83	383. 3.83	364. 3.83	347. 3.83
	HYDROGRAPH AT									
+		NW114-C	.17	1	FLOW TIME	38. 3.67	35. 3.67	32. 3.67	29. 3.67	26. 3.67
	ROUTED TO									
+		RNW114-C	.17	1	FLOW TIME	39. 3.83	36. 3.83	32. 3.83	29. 3.83	25. 3.92
	HYDROGRAPH AT									
+		NW147W	.11	1	FLOW TIME	23. 3.58	21. 3.58	19. 3.58	17. 3.58	15. 3.58
	3 COMBINED AT									
+		CNW147W	1.86	1	FLOW TIME	478. 3.75	456. 3.83	427. 3.83	404. 3.83	382. 3.83
	HYDROGRAPH AT									
+		NW144W	.31	1	FLOW TIME	65. 3.67	60. 3.67	54. 3.67	49. 3.67	44. 3.67
	2 COMBINED AT									
+		CNW144W	2.17	1	FLOW TIME	538. 3.75	508. 3.75	473. 3.75	443. 3.83	418. 3.83
	HYDROGRAPH AT									
+		DNW111S	.00	1	FLOW TIME	122. 3.75	116. 3.75	109. 3.75	102. 3.75	96. 3.75
	ROUTED TO									
+		RDNW111S	.00	1	FLOW TIME	120. 3.75	114. 3.83	107. 3.83	101. 3.75	94. 3.83
	HYDROGRAPH AT									
+		NW111S	.11	1	FLOW TIME	31. 3.67	29. 3.67	27. 3.67	25. 3.67	23. 3.67
	2 COMBINED AT									
+		CNW111S	.11	1	FLOW TIME	150. 3.75	141. 3.75	132. 3.75	124. 3.75	116. 3.75
	ROUTED TO									
+		RNW111S	.11	1	FLOW TIME	148. 3.75	140. 3.75	131. 3.75	123. 3.75	115. 3.75
	HYDROGRAPH AT									
+		NW111N	.21	1	FLOW TIME	40. 3.75	37. 3.75	33. 3.75	30. 3.75	27. 3.75
	2 COMBINED AT									
+		CNW111N	.32	1	FLOW TIME	189. 3.75	177. 3.75	164. 3.75	153. 3.75	142. 3.75
	2 COMBINED AT									
+		CBRDB	2.48	1	FLOW TIME	727. 3.75	685. 3.75	637. 3.75	595. 3.75	557. 3.83
	ROUTED TO									
+		BRDB	2.48	1	FLOW TIME	34. 6.33	33. 6.33	33. 6.33	33. 6.25	33. 6.25
	** PEAK STAGES IN FEET **									
	1	STAGE	2446.34	2446.15	2445.90	2445.68	2445.48	2445.48	2445.48	2445.48
		TIME	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33
	ROUTED TO									
+		RBRDB	2.48	1	FLOW TIME	34. 6.42	33. 6.42	33. 6.42	33. 6.33	33. 6.33

HYDROGRAPH AT									
+	NW144E	.10	1	FLOW TIME	25.	24.	21.	19.	18.
					3.67	3.67	3.67	3.67	3.67
2 COMBINED AT									
+	CNW144E	2.59	1	FLOW TIME	55.	53.	50.	48.	46.
					3.67	3.67	3.75	3.75	3.75
2 COMBINED AT									
+	2CW144E	4.12	1	FLOW TIME	86.	83.	80.	76.	74.
					5.08	5.08	5.08	5.08	5.08
ROUTED TO									
+	RCW144E	4.12	1	FLOW TIME	86.	83.	79.	76.	73.
					5.50	5.50	5.50	5.50	5.58
HYDROGRAPH AT									
+	NW155-C	.44	1	FLOW TIME	63.	57.	51.	45.	40.
					3.83	3.83	3.83	3.83	3.83
2 COMBINED AT									
+	CNW155-C	4.56	1	FLOW TIME	121.	115.	109.	103.	98.
					5.00	5.00	5.00	5.00	5.00
ROUTED TO									
+	RCW155-C	4.56	1	FLOW TIME	121.	115.	109.	103.	98.
					5.25	5.25	5.25	5.25	5.25
HYDROGRAPH AT									
+	NW165	.28	1	FLOW TIME	33.	30.	26.	23.	21.
					3.92	3.92	3.92	5.08	5.08
ROUTED TO									
+	RNW165	.28	1	FLOW TIME	33.	30.	26.	23.	21.
					4.17	4.25	4.25	5.42	5.42
HYDROGRAPH AT									
+	NW164	.30	1	FLOW TIME	47.	43.	38.	34.	30.
					3.67	3.67	3.75	3.75	3.75
2 COMBINED AT									
+	CNW164	.58	1	FLOW TIME	62.	56.	48.	44.	41.
					4.08	4.08	4.08	5.00	4.08
ROUTED TO									
+	RCNW164	.58	1	FLOW TIME	64.	56.	50.	44.	40.
					4.17	4.25	4.25	5.17	5.17
HYDROGRAPH AT									
+	NW163-C	.36	1	FLOW TIME	53.	48.	43.	38.	34.
					3.75	3.75	3.83	3.83	3.83
3 COMBINED AT									
+	CNW163-C	5.50	1	FLOW TIME	215.	203.	189.	176.	165.
					5.08	5.08	5.08	5.08	5.17
HYDROGRAPH AT									
+	NW109-C	.43	1	FLOW TIME	145.	137.	126.	117.	109.
					3.67	3.67	3.67	3.67	3.67
ROUTED TO									
+	RCW109-C	.43	1	FLOW TIME	143.	136.	125.	116.	109.
					3.75	3.75	3.75	3.75	3.75
HYDROGRAPH AT									
+	NW139-C	.50	1	FLOW TIME	128.	120.	110.	102.	94.
					3.75	3.75	3.83	3.83	3.83
2 COMBINED AT									
+	CNW139-C	.93	1	FLOW TIME	271.	256.	236.	218.	203.
					3.75	3.75	3.75	3.75	3.75
HYDROGRAPH AT									
+	NW138-C	.23	1	FLOW TIME	64.	60.	55.	51.	47.
					3.75	3.75	3.75	3.75	3.75
2 COMBINED AT									
+	CNW138-C	1.16	1	FLOW TIME	335.	316.	291.	269.	250.
					3.75	3.75	3.75	3.75	3.75
ROUTED TO									
+	RCW138-C	1.16	1	FLOW TIME	328.	307.	283.	263.	247.
					3.83	3.75	3.83	3.83	3.83
2 COMBINED AT									
+	2C163-C	6.66	1	FLOW TIME	500.	462.	421.	383.	350.
					3.83	3.83	3.83	3.83	3.83
ROUTED TO									
+	R2C163-C	6.66	1	FLOW TIME	494.	458.	418.	382.	348.
					3.92	3.92	3.92	3.92	3.92
HYDROGRAPH AT									
+	NW162-C	.25	1	FLOW TIME	34.	31.	27.	24.	22.
					3.92	3.92	3.92	3.92	3.92

2 COMBINED AT										
+	CNW162-C	6.91	1	FLOW TIME	528. 3.92	489. 3.92	446. 3.92	407. 3.92	370. 3.92	
ROUTED TO										
+	RCW162-C	6.91	1	FLOW TIME	527. 3.92	487. 3.92	443. 3.92	403. 3.92	366. 3.92	
HYDROGRAPH AT										
+	NW161-C	.33	1	FLOW TIME	47. 3.92	44. 3.92	39. 3.92	35. 3.92	31. 3.92	
DIVERSION TO										
+	DNW150-C	.33	1	FLOW TIME	47. 3.92	43. 3.92	38. 3.92	34. 3.92	30. 3.92	
HYDROGRAPH AT										
+	DNW161-C	.33	1	FLOW TIME	1. 3.92	1. 3.92	1. 3.92	1. 3.92	1. 3.92	
2 COMBINED AT										
+	CD161-C	7.24	1	FLOW TIME	528. 3.92	488. 3.92	444. 3.92	403. 3.92	367. 3.92	
ROUTED TO										
+	RCD161-C	7.24	1	FLOW TIME	523. 3.92	483. 3.92	439. 3.92	400. 4.00	365. 4.00	
HYDROGRAPH AT										
+	NW134-C	.46	1	FLOW TIME	122. 3.83	114. 3.83	105. 3.83	97. 3.83	90. 3.83	
HYDROGRAPH AT										
+	NW133-C	.38	1	FLOW TIME	87. 3.92	81. 3.92	75. 3.92	69. 3.92	64. 3.92	
2 COMBINED AT										
+	CNW133-C	.84	1	FLOW TIME	207. 3.83	194. 3.83	178. 3.83	165. 3.83	153. 3.83	
ROUTED TO										
+	ELKBASIN	.84	1	FLOW TIME	72. 5.50	69. 5.50	65. 5.50	61. 5.50	57. 5.50	
** PEAK STAGES IN FEET **										
			1	STAGE	2392.55	2392.28	2391.97	2391.67	2391.42	
				TIME	5.50	5.50	5.50	5.50	5.50	
ROUTED TO										
+	RELKDB	.84	1	FLOW TIME	71. 5.67	69. 5.67	65. 5.67	61. 5.67	57. 5.67	
HYDROGRAPH AT										
+	DNW150-C	.00	1	FLOW TIME	47. 3.92	43. 3.92	38. 3.92	34. 3.92	30. 3.92	
ROUTED TO										
+	RD150-C	.00	1	FLOW TIME	47. 4.00	43. 4.00	37. 4.00	34. 4.08	30. 4.08	
2 COMBINED AT										
+	CRD150-C	.84	1	FLOW TIME	107. 5.25	102. 5.25	94. 5.25	87. 5.25	81. 5.25	
ROUTED TO										
+	RCRD150	.84	1	FLOW TIME	106. 5.42	101. 5.42	94. 5.42	87. 5.42	81. 5.42	
HYDROGRAPH AT										
+	NW150-C	.24	1	FLOW TIME	27. 3.92	24. 4.00	21. 4.00	19. 5.08	18. 5.08	
2 COMBINED AT										
+	CNW150-C	1.08	1	FLOW TIME	126. 5.33	119. 5.33	109. 5.33	101. 5.33	94. 5.33	
2 COMBINED AT										
+	CCW150-C	8.33	1	FLOW TIME	608. 4.00	562. 4.00	507. 4.00	464. 5.17	433. 5.17	
ROUTED TO										
+	RCW150-C	8.33	1	FLOW TIME	606. 4.00	559. 4.00	504. 4.00	460. 5.17	430. 5.25	
HYDROGRAPH AT										
+	NW159-C	.25	1	FLOW TIME	31. 3.92	28. 3.92	25. 3.92	22. 3.92	20. 5.08	
2 COMBINED AT										
+	CNW159-C	8.58	1	FLOW TIME	636. 4.00	587. 4.00	529. 4.00	481. 5.17	448. 5.25	
ROUTED TO										
+	RCW159-C	8.58	1	FLOW	633. 4.00	583. 4.00	528. 4.00	478. 5.17	447. 5.25	

+		CNW198-C	.69	1	FLOW TIME	175. 3.92	163. 3.92	150. 3.92	138. 3.92	128. 3.92
	2 COMBINED AT									
+		2C198-C	10.80	1	FLOW TIME	1003. 4.08	925. 4.17	832. 4.17	752. 4.17	679. 4.17
	ROUTED TO									
+		RC198-C	10.80	1	FLOW TIME	1001. 4.17	924. 4.17	826. 4.17	746. 4.25	677. 4.25
	HYDROGRAPH AT									
+		NW3C2-C	.50	1	FLOW TIME	88. 4.00	81. 4.00	74. 4.00	67. 4.00	62. 4.00
	2 COMBINED AT									
+		CNW3C2-C	11.29	1	FLOW TIME	1082. 4.17	1000. 4.17	896. 4.17	805. 4.17	731. 4.25
	ROUTED TO									
+		RC3C2-C	11.29	1	FLOW TIME	1078. 4.17	989. 4.17	890. 4.25	806. 4.25	727. 4.25
	HYDROGRAPH AT									
+		NW3D4-C	.26	1	FLOW TIME	74. 3.83	69. 3.83	64. 3.83	60. 3.83	56. 3.83
	2 COMBINED AT									
+		CNW3D4-C	11.55	1	FLOW TIME	1129. 4.17	1038. 4.17	929. 4.25	842. 4.25	762. 4.25
	ROUTED TO									
+		RC3D4-C	11.55	1	FLOW TIME	1124. 4.17	1032. 4.25	929. 4.25	840. 4.25	757. 4.25
	2 COMBINED AT									
+		2C3D4-C	17.96	1	FLOW TIME	2648. 4.08	2456. 4.17	2243. 4.17	2044. 4.17	1870. 4.17
	ROUTED TO									
+		RC3D4-C	17.96	1	FLOW TIME	2640. 4.17	2452. 4.17	2234. 4.17	2026. 4.17	1852. 4.17
	HYDROGRAPH AT									
+		NN011-C	.27	1	FLOW TIME	135. 3.58	129. 3.58	121. 3.58	114. 3.58	107. 3.58
	2 COMBINED AT									
+		CNN011-C	18.23	1	FLOW TIME	2679. 4.17	2490. 4.17	2269. 4.17	2059. 4.17	1884. 4.17
	ROUTED TO									
+		RC011-C	18.23	1	FLOW TIME	2670. 4.17	2476. 4.17	2250. 4.17	2044. 4.25	1877. 4.25
	HYDROGRAPH AT									
+		NN030-C	.29	1	FLOW TIME	112. 3.67	106. 3.67	99. 3.67	92. 3.67	87. 3.67
	2 COMBINED AT									
+		CNN030-C	18.52	1	FLOW TIME	2719. 4.17	2523. 4.17	2294. 4.17	2078. 4.25	1909. 4.25
	ROUTED TO									
+		RC030-C	18.52	1	FLOW TIME	2709. 4.17	2511. 4.17	2276. 4.17	2078. 4.25	1904. 4.25
	HYDROGRAPH AT									
+		NW27-C	.15	1	FLOW TIME	72. 3.58	68. 3.58	63. 3.67	60. 3.67	56. 3.67
	ROUTED TO									
+		RN27-C	.15	1	FLOW TIME	72. 3.67	68. 3.67	63. 3.67	60. 3.67	56. 3.67
	HYDROGRAPH AT									
+		NW26-C	.37	1	FLOW TIME	161. 3.67	153. 3.67	143. 3.67	134. 3.67	126. 3.67
	2 COMBINED AT									
+		CNW26-C	.51	1	FLOW TIME	233. 3.67	221. 3.67	206. 3.67	194. 3.67	182. 3.67
	ROUTED TO									
+		RN26-C	.51	1	FLOW TIME	230. 3.67	219. 3.67	204. 3.67	191. 3.67	180. 3.67
	DIVERSION TO									
+		DOUTFLOW	.51	1	FLOW TIME	8. 3.67	0. .00	0. .00	0. .00	0. .00
	HYDROGRAPH AT									
+		DNW26-C	.51	1	FLOW TIME	222. 3.67	219. 3.67	204. 3.67	191. 3.67	180. 3.67

ROUTED TO +	RC26-C	.51	1	FLOW TIME	222. 3.75	216. 3.75	202. 3.75	190. 3.75	179. 3.75		
DIVERSION TO +	DNW77-C	.51	1	FLOW TIME	120. 3.42	120. 3.50	120. 3.50	120. 3.50	120. 3.58		
HYDROGRAPH AT +	DC26-C	.51	1	FLOW TIME	102. 3.75	96. 3.75	82. 3.75	70. 3.75	59. 3.75		
HYDROGRAPH AT +	NWBA3-C	.33	1	FLOW TIME	143. 3.67	136. 3.67	127. 3.67	119. 3.67	112. 3.67		
2 COMBINED AT +	CBA3-C	.84	1	FLOW TIME	241. 3.75	229. 3.67	206. 3.75	186. 3.75	168. 3.75		
ROUTED TO +	RDWBA3-C	.84	1	FLOW TIME	241. 3.75	228. 3.75	205. 3.75	185. 3.75	168. 3.75		
DIVERSION TO +	DNWBA6-C	.84	1	FLOW TIME	11. 1.92	11. 2.00	11. 2.08	11. 2.17	11. 3.00		
HYDROGRAPH AT +	DBA3-C	.84	1	FLOW TIME	230. 3.75	217. 3.75	194. 3.75	174. 3.75	157. 3.75		
ROUTED TO +	R2WBA3-C	.84	1	FLOW TIME	229. 3.75	216. 3.75	193. 3.75	173. 3.75	155. 3.75		
HYDROGRAPH AT +	CDMNA1	.48	1	FLOW TIME	215. 3.75	205. 3.75	192. 3.75	180. 3.75	170. 3.75		
2 COMBINED AT +	CMNA1	1.32	1	FLOW TIME	445. 3.75	421. 3.75	385. 3.75	354. 3.75	325. 3.75		
ROUTED TO +	RCMNA1	1.32	1	FLOW TIME	440. 3.75	415. 3.75	380. 3.75	347. 3.75	319. 3.75		
HYDROGRAPH AT +	NWBC2-C	.28	1	FLOW TIME	73. 3.67	68. 3.67	62. 3.67	56. 3.67	51. 3.67		
2 COMBINED AT +	FADBIN	1.60	1	FLOW TIME	509. 3.75	480. 3.75	439. 3.75	401. 3.75	368. 3.75		
ROUTED TO +	FADB	1.60	1	FLOW TIME	147. 5.33	141. 5.33	134. 5.33	127. 5.33	122. 5.25		
** PEAK STAGES IN FEET **					1	STAGE	2622.23	2621.51	2620.65	2619.91	2619.29
						TIME	5.33	5.33	5.33	5.33	5.25
ROUTED TO +	FADBOUT	1.60	1	FLOW TIME	147. 5.33	141. 5.33	134. 5.33	127. 5.33	122. 5.33		
HYDROGRAPH AT +	DOUTFLOW	.00	1	FLOW TIME	8. 3.67	0. .00	0. .00	0. .00	0. .00		
ROUTED TO +	RDOUTFLW	.00	1	FLOW TIME	11. 3.75	0. .00	0. .00	0. .00	0. .00		
HYDROGRAPH AT +	NW53-C	.29	1	FLOW TIME	72. 3.67	67. 3.67	61. 3.67	55. 3.67	50. 3.67		
2 COMBINED AT +	CNW53-C	.29	1	FLOW TIME	81. 3.75	67. 3.67	61. 3.67	55. 3.67	50. 3.67		
ROUTED TO +	RCNW53-C	.29	1	FLOW TIME	78. 3.75	66. 3.75	60. 3.75	55. 3.75	50. 3.75		
HYDROGRAPH AT +	DCNW66-C	.00	1	FLOW TIME	120. 3.42	120. 3.42	120. 3.50	120. 3.50	120. 3.50		
ROUTED TO +	RDW66-C	.00	1	FLOW TIME	123. 3.58	123. 3.58	122. 3.67	123. 3.67	123. 3.67		

HYDROGRAPH AT +	NW66-C	.27	1	FLOW TIME	72. 3.67	67. 3.67	61. 3.67	56. 3.67	52. 3.67
3 COMBINED AT +	CNW66-C	.56	1	FLOW TIME	268. 3.75	252. 3.67	241. 3.67	231. 3.67	222. 3.67
ROUTED TO +	RCW66-C	.56	1	FLOW TIME	267. 3.75	251. 3.75	239. 3.75	230. 3.75	222. 3.75
HYDROGRAPH AT +	DNW77-C	.00	1	FLOW TIME	120. 3.42	120. 3.50	120. 3.50	120. 3.50	120. 3.58
ROUTED TO +	RDW77-C	.00	1	FLOW TIME	125. 3.67	125. 3.67	123. 3.67	124. 3.75	126. 3.75
HYDROGRAPH AT +	NW77-C	.24	1	FLOW TIME	57. 3.67	53. 3.67	48. 3.67	43. 3.67	40. 3.67
3 COMBINED AT +	CNW77-C	.80	1	FLOW TIME	442. 3.67	428. 3.67	409. 3.75	397. 3.75	387. 3.75
ROUTED TO +	RCW77-C	.80	1	FLOW TIME	441. 3.75	423. 3.75	408. 3.75	396. 3.75	385. 3.75
HYDROGRAPH AT +	DNWBA6-C	.00	1	FLOW TIME	11. 1.92	11. 2.00	11. 2.08	11. 2.17	11. 3.00
ROUTED TO +	RDWBA6-C	.00	1	FLOW TIME	11. 2.17	11. 3.25	11. 3.25	11. 3.33	12. 3.33
HYDROGRAPH AT +	NWBA6-C	.26	1	FLOW TIME	63. 3.67	58. 3.67	53. 3.67	48. 3.67	44. 3.67
3 COMBINED AT +	CNWBA6-C	1.07	1	FLOW TIME	514. 3.75	492. 3.75	472. 3.75	455. 3.75	439. 3.75
ROUTED TO +	RCBA6-C	1.07	1	FLOW TIME	513. 3.75	490. 3.75	469. 3.75	450. 3.75	433. 3.75
2 COMBINED AT +	CFADB	2.67	1	FLOW TIME	615. 3.83	586. 3.83	559. 3.83	536. 3.83	516. 3.83
ROUTED TO +	RCFADB	2.67	1	FLOW TIME	614. 3.83	586. 3.83	559. 3.83	536. 3.83	515. 3.83
HYDROGRAPH AT +	NWBC3	.41	1	FLOW TIME	132. 3.75	124. 3.75	115. 3.75	107. 3.75	100. 3.75
2 COMBINED AT +	CNWBC3	3.07	1	FLOW TIME	740. 3.75	706. 3.75	669. 3.75	638. 3.83	611. 3.83
ROUTED TO +	RCNWBC3	3.07	1	FLOW TIME	740. 3.83	704. 3.83	669. 3.83	637. 3.83	609. 3.83
HYDROGRAPH AT +	DNWBC6-C	.00	1	FLOW TIME	82. 3.67	78. 3.67	73. 3.67	69. 3.67	65. 3.67
ROUTED TO +	RDWBC6	.00	1	FLOW TIME	79. 3.67	76. 3.67	71. 3.67	67. 3.67	64. 3.67
HYDROGRAPH AT +	NWBC6-C	.25	1	FLOW TIME	108. 3.67	103. 3.67	96. 3.67	91. 3.67	85. 3.67
3 COMBINED AT +	CNWBC6-C	3.32	1	FLOW TIME	911. 3.75	869. 3.75	820. 3.75	775. 3.75	736. 3.83
ROUTED TO +	RCBC6-C	3.32	1	FLOW TIME	901. 3.75	859. 3.75	813. 3.83	771. 3.83	736. 3.83
HYDROGRAPH AT +	DNW1C1-C	.00	1	FLOW	41.	38.	35.	33.	31.

+		NW2A1-C	.36	1	FLOW TIME	94. 3.92	88. 3.92	82. 3.92	76. 3.92	71. 3.92
	HYDROGRAPH AT									
+		NW2A3-C	.26	1	FLOW TIME	58. 3.83	54. 3.83	49. 3.83	45. 3.83	41. 3.83
	2 COMBINED AT									
+		CNW2A3-C	.63	1	FLOW TIME	151. 3.92	141. 3.92	130. 3.92	120. 3.92	112. 3.92
	ROUTED TO									
+		RC2A3-C	.63	1	FLOW TIME	150. 3.92	140. 3.92	129. 3.92	119. 3.92	111. 4.00
	HYDROGRAPH AT									
+		NW2B5-C	.37	1	FLOW TIME	91. 3.92	85. 3.92	79. 3.92	73. 3.92	67. 3.92
	2 COMBINED AT									
+		CNW2B5-C	.99	1	FLOW TIME	241. 3.92	226. 3.92	208. 3.92	192. 3.92	178. 3.92
	2 COMBINED AT									
+		2CNW2B5C	5.38	1	FLOW TIME	325. 3.92	308. 3.92	288. 4.00	271. 4.00	255. 4.00
	ROUTED TO									
+		RC2B5-C	5.38	1	FLOW TIME	324. 4.00	308. 4.00	288. 4.00	270. 4.00	253. 4.00
	HYDROGRAPH AT									
+		NW2C1-C	.23	1	FLOW TIME	42. 3.83	39. 3.83	35. 3.83	32. 3.83	29. 3.83
	ROUTED TO									
+		RNW2C1-C	.23	1	FLOW TIME	42. 4.08	39. 4.08	35. 4.08	32. 4.08	29. 4.17
	HYDROGRAPH AT									
+		NW2D1-C	.24	1	FLOW TIME	49. 3.83	45. 3.83	41. 3.83	37. 3.83	34. 3.83
	3 COMBINED AT									
+		CNW2D1-C	5.85	1	FLOW TIME	407. 4.00	385. 4.00	357. 4.00	332. 4.00	310. 4.00
	ROUTED TO									
+		RC2D1-C	5.85	1	FLOW TIME	405. 4.00	383. 4.00	354. 4.00	330. 4.08	309. 4.08
	HYDROGRAPH AT									
+		NW2C2-C	.24	1	FLOW TIME	42. 3.83	39. 3.83	35. 3.83	32. 3.83	29. 3.83
	ROUTED TO									
+		RNW2C2-C	.24	1	FLOW TIME	42. 4.08	39. 4.08	35. 4.08	32. 4.08	29. 4.08
	HYDROGRAPH AT									
+		NW2D2-C	.24	1	FLOW TIME	48. 3.83	44. 3.83	40. 3.83	37. 3.83	33. 3.83
	3 COMBINED AT									
+		CNW2D2-C	6.34	1	FLOW TIME	490. 4.00	461. 4.00	425. 4.00	393. 4.00	365. 4.08
	ROUTED TO									
+		RC2D2-C	6.34	1	FLOW TIME	489. 4.08	461. 4.08	425. 4.08	393. 4.08	365. 4.08
	HYDROGRAPH AT									
+		NW3A1-C	.26	1	FLOW TIME	79. 3.83	75. 3.83	70. 3.83	65. 3.83	61. 3.83
	ROUTED TO									
+		RNW3A1-C	.26	1	FLOW TIME	79. 3.92	75. 3.92	70. 3.92	65. 3.92	61. 3.92
	HYDROGRAPH AT									
+		NW3A3-C	.27	1	FLOW TIME	79. 3.92	75. 3.92	70. 3.92	65. 3.92	61. 3.92
	2 COMBINED AT									
+		CNW3A3-C	.53	1	FLOW TIME	158. 3.92	150. 3.92	140. 3.92	130. 3.92	122. 3.92
	ROUTED TO									
+		RC3A3-C	.53	1	FLOW TIME	158. 4.00	150. 4.00	140. 4.00	130. 4.00	122. 4.00
	HYDROGRAPH AT									
+		NW3B1-C	.26	1	FLOW TIME	66. 3.92	62. 3.92	57. 3.92	53. 3.92	49. 3.92

2 COMBINED AT										
+	CNW3B1-C	.79	1	FLOW TIME	222. 4.00	210. 4.00	195. 4.00	182. 4.00	170. 4.00	
ROUTED TO										
+	RC3B1-C	.79	1	FLOW TIME	222. 4.00	210. 4.00	195. 4.00	182. 4.00	169. 4.00	
HYDROGRAPH AT										
+	NW3B2-C	.26	1	FLOW TIME	70. 3.83	66. 3.83	61. 3.83	57. 3.83	53. 3.83	
3 COMBINED AT										
+	CNW3B2-C	7.38	1	FLOW TIME	769. 4.00	723. 4.08	668. 4.08	620. 4.08	577. 4.08	
ROUTED TO										
+	RC3B2-C	7.38	1	FLOW TIME	764. 4.08	721. 4.08	669. 4.08	618. 4.17	576. 4.17	
HYDROGRAPH AT										
+	NN043-C	.41	1	FLOW TIME	143. 3.83	136. 3.83	128. 3.83	120. 3.83	113. 3.83	
2 COMBINED AT										
+	CNN043-C	7.80	1	FLOW TIME	890. 4.08	842. 4.08	782. 4.08	725. 4.08	674. 4.08	
2 COMBINED AT										
+	2C043-C	26.31	1	FLOW TIME	3579. 4.17	3334. 4.17	3044. 4.17	2766. 4.17	2544. 4.25	
ROUTED TO										
+	RC043-C	26.31	1	FLOW TIME	3568. 4.17	3320. 4.17	3022. 4.17	2760. 4.25	2541. 4.25	
HYDROGRAPH AT										
+	NN038-C	.24	1	FLOW TIME	81. 3.75	76. 3.75	71. 3.75	66. 3.75	62. 3.75	
ROUTED TO										
+	RNN038-C	.24	1	FLOW TIME	80. 3.83	75. 3.83	70. 3.83	66. 3.83	62. 3.83	
HYDROGRAPH AT										
+	NN040-C	.29	1	FLOW TIME	112. 3.67	106. 3.67	99. 3.67	93. 3.67	87. 3.67	
2 COMBINED AT										
+	CNN040-C	.53	1	FLOW TIME	188. 3.75	178. 3.75	166. 3.75	155. 3.75	146. 3.75	
ROUTED TO										
+	RC040-C	.53	1	FLOW TIME	183. 3.83	174. 3.83	164. 3.83	154. 3.83	145. 3.83	
HYDROGRAPH AT										
+	NN044-C	.28	1	FLOW TIME	96. 3.75	91. 3.75	85. 3.75	79. 3.75	75. 3.75	
2 COMBINED AT										
+	CNN044-C	.81	1	FLOW TIME	279. 3.75	264. 3.83	249. 3.83	234. 3.83	220. 3.83	
2 COMBINED AT										
+	2C044-C	27.12	1	FLOW TIME	3753. 4.17	3496. 4.17	3187. 4.17	2895. 4.25	2668. 4.25	
ROUTED TO										
+	RC044-C	27.12	1	FLOW TIME	3734. 4.17	3471. 4.17	3157. 4.25	2891. 4.25	2660. 4.25	
HYDROGRAPH AT										
+	NN052-C	.55	1	FLOW TIME	182. 3.75	173. 3.75	161. 3.75	150. 3.75	141. 3.75	
ROUTED TO										
+	RNN052-C	.55	1	FLOW TIME	182. 3.83	172. 3.83	160. 3.83	150. 3.83	140. 3.83	
HYDROGRAPH AT										
+	NN054-C	.26	1	FLOW TIME	106. 3.67	100. 3.67	93. 3.67	87. 3.67	82. 3.67	
2 COMBINED AT										
+	CNN054-C	.81	1	FLOW TIME	271. 3.75	256. 3.75	238. 3.75	223. 3.75	209. 3.75	
ROUTED TO										
+	RC054-C	.81	1	FLOW TIME	271. 3.83	256. 3.83	238. 3.83	222. 3.83	208. 3.83	
HYDROGRAPH AT										
+	NN057-C	.41	1	FLOW TIME	114. 3.83	108. 3.83	100. 3.83	92. 3.83	86. 3.83	

2 COMBINED AT									
+	CNN057-C	1.22	1	FLOW TIME	385. 3.83	363. 3.83	337. 3.83	314. 3.83	294. 3.83
2 COMBINED AT									
+	2C057-C	28.34	1	FLOW TIME	4029. 4.17	3751. 4.17	3416. 4.17	3108. 4.25	2864. 4.25
ROUTED TO									
+	RC057-C	28.34	1	FLOW TIME	4009. 4.17	3726. 4.17	3391. 4.25	3103. 4.25	2855. 4.25
HYDROGRAPH AT									
+	NN071-C	.25	1	FLOW TIME	74. 3.75	70. 3.75	64. 3.75	60. 3.75	56. 3.75
HYDROGRAPH AT									
+	NN072	.14	1	FLOW TIME	42. 3.75	39. 3.75	36. 3.75	34. 3.75	31. 3.75
3 COMBINED AT									
+	LOWERIN	28.73	1	FLOW TIME	4077. 4.17	3790. 4.17	3443. 4.25	3151. 4.25	2900. 4.25
ROUTED TO									
+	LOWERDB	28.73	1	FLOW TIME	2534. 5.58	2421. 5.58	2270. 5.58	2137. 5.58	2022. 5.58
** PEAK STAGES IN FEET **									
1	STAGE	2110.49	2110.44	2110.37	2110.32	2110.27			
	TIME	5.58	5.58	5.58	5.58	5.58			
ROUTED TO									
+	LOWEROT	28.73	1	FLOW TIME	2534. 5.58	2420. 5.58	2270. 5.58	2137. 5.58	2022. 5.58
HYDROGRAPH AT									
+	NN070-C	.38	1	FLOW TIME	100. 3.92	94. 3.92	87. 3.92	81. 3.92	75. 3.92
ROUTED TO									
+	RNN070-C	.38	1	FLOW TIME	99. 3.92	93. 3.92	86. 4.00	80. 4.00	75. 4.00
HYDROGRAPH AT									
+	NN086-C	.18	1	FLOW TIME	80. 3.67	77. 3.67	72. 3.67	67. 3.67	64. 3.67
3 COMBINED AT									
+	CNN086-C	29.30	1	FLOW TIME	2596. 5.17	2471. 5.08	2324. 5.08	2196. 5.00	2088. 5.00
ROUTED TO									
+	RC086-C	29.30	1	FLOW TIME	2596. 5.17	2471. 5.17	2324. 5.08	2196. 5.08	2087. 5.00
HYDROGRAPH AT									
+	GD17BG-C	.36	1	FLOW TIME	102. 3.83	96. 3.83	89. 3.83	82. 3.83	77. 3.83
ROUTED TO									
+	RGD17BG	.36	1	FLOW TIME	101. 4.00	96. 4.00	89. 4.00	83. 4.00	77. 4.00
HYDROGRAPH AT									
+	GD11B-C	.26	1	FLOW TIME	113. 3.67	107. 3.67	100. 3.67	94. 3.67	89. 3.67
2 COMBINED AT									
+	CGD11B-C	.63	1	FLOW TIME	186. 3.75	175. 3.75	163. 3.75	152. 3.75	142. 3.75
ROUTED TO									
+	RCGD11B	.63	1	FLOW TIME	186. 3.92	176. 3.92	163. 3.92	152. 3.92	143. 3.92
HYDROGRAPH AT									
+	PT6B-C	.45	1	FLOW TIME	83. 4.17	77. 4.25	71. 4.25	65. 4.25	61. 4.25
2 COMBINED AT									
+	CPT6B-C	1.08	1	FLOW TIME	257. 4.00	243. 4.00	225. 4.00	209. 4.00	195. 4.00
DIVERSION TO									
+	DGOW1A	1.08	1	FLOW TIME	256. 4.00	242. 4.00	224. 4.00	208. 4.00	194. 4.00
HYDROGRAPH AT									
+	DPT6B-C1	1.08	1	FLOW TIME	1. 3.25	1. 3.25	1. 3.33	1. 3.33	1. 3.33
DIVERSION TO									
+	DTRILGY	1.08	1	FLOW	0.	0.	0.	0.	0.

+		RCNW1C2	.46	1	FLOW TIME	98. 4.00	92. 4.00	83. 4.00	76. 4.00	69. 4.00
	HYDROGRAPH AT									
+		PDGCB10C	.31	1	FLOW TIME	68. 3.83	64. 3.83	58. 3.83	53. 3.83	49. 3.83
	2 COMBINED AT									
+		CPDGCB10	.77	1	FLOW TIME	161. 3.92	149. 3.92	136. 3.92	124. 4.00	114. 4.00
	DIVERSION TO									
+		DPT3AA11	.77	1	FLOW TIME	139. 3.75	139. 3.83	135. 3.92	123. 4.00	113. 4.00
	HYDROGRAPH AT									
+		DPDGCB10	.77	1	FLOW TIME	22. 3.92	10. 3.92	1. 3.50	1. 3.50	1. 3.58
	ROUTED TO									
+		RDPDGCB1	.77	1	FLOW TIME	11. 4.17	4. 4.25	1. 4.83	1. 4.75	1. 4.75
	DIVERSION TO									
+		DPT3AB1C	.77	1	FLOW TIME	11. 4.17	4. 4.25	1. 4.83	1. 4.75	1. 4.75
	HYDROGRAPH AT									
+		DDPDGCB1	.77	1	FLOW TIME	0. .00	0. .00	0. .00	0. .00	0. .00
	2 COMBINED AT									
+		CDPDGCB1	1.21	1	FLOW TIME	60. 4.25	55. 4.25	49. 4.25	43. 4.33	39. 4.33
	ROUTED TO									
+		RCDPDGCB	1.21	1	FLOW TIME	60. 4.33	55. 4.42	49. 4.42	44. 4.42	39. 4.50
	HYDROGRAPH AT									
+		GD20BE-C	.43	1	FLOW TIME	80. 3.92	75. 3.92	68. 3.92	62. 3.92	56. 3.92
	2 COMBINED AT									
+		CGD20BEC	1.64	1	FLOW TIME	116. 4.17	106. 4.17	94. 4.25	85. 4.25	77. 4.25
	ROUTED TO									
+		RCGD20BE	1.64	1	FLOW TIME	117. 4.25	107. 4.33	96. 4.33	85. 4.42	78. 4.42
	HYDROGRAPH AT									
+		GD20BM-C	.34	1	FLOW TIME	103. 3.83	97. 3.83	90. 3.83	84. 3.83	78. 3.83
	2 COMBINED AT									
+		CGD20BMC	1.98	1	FLOW TIME	185. 4.25	170. 4.25	154. 3.92	142. 3.92	131. 3.92
	ROUTED TO									
+		RCGD20BM	1.98	1	FLOW TIME	184. 4.33	169. 4.33	154. 4.00	142. 4.00	131. 4.00
	HYDROGRAPH AT									
+		PT2B2-C	.30	1	FLOW TIME	112. 3.75	106. 3.75	99. 3.75	93. 3.75	88. 3.83
	2 COMBINED AT									
+		CPT2B2	2.28	1	FLOW TIME	282. 3.92	265. 3.92	244. 3.92	226. 3.92	210. 3.92
	ROUTED TO									
+		RCPT2B2	2.28	1	FLOW TIME	279. 4.00	262. 4.00	243. 4.00	225. 4.00	209. 4.00
	HYDROGRAPH AT									
+		PT3-C	.17	1	FLOW TIME	59. 3.75	56. 3.75	52. 3.75	49. 3.75	46. 3.75
	ROUTED TO									
+		RCPT3-C	.17	1	FLOW TIME	59. 4.00	56. 4.00	52. 4.08	49. 4.08	46. 4.08
	HYDROGRAPH AT									
+		PT41-C	.44	1	FLOW TIME	128. 3.83	121. 3.83	112. 3.83	104. 3.83	97. 3.83
	2 COMBINED AT									
+		CPT41-C	.61	1	FLOW TIME	176. 3.92	166. 3.92	154. 3.92	143. 3.92	133. 3.92
	2 COMBINED AT									
+		CCPT41-C	2.89	1	FLOW TIME	454. 3.92	427. 3.92	395. 4.00	366. 4.00	342. 4.00

ROUTED TO										
+	RCPT41-C	2.89	1	FLOW TIME	452.4.00	426.4.00	395.4.00	366.4.00	341.4.00	
HYDROGRAPH AT										
+	PT5A2-C	.34	1	FLOW TIME	72.4.08	68.4.08	62.4.08	58.4.08	53.4.08	
2 COMBINED AT										
+	CPT5A2-C	3.23	1	FLOW TIME	524.4.00	493.4.00	456.4.00	423.4.00	394.4.00	
ROUTED TO										
+	RCPT5A2	3.23	1	FLOW TIME	522.4.00	491.4.00	454.4.00	420.4.00	389.4.00	
2 COMBINED AT										
+	CPT5B6-C	4.61	1	FLOW TIME	855.4.00	804.4.00	742.4.00	688.4.08	641.4.08	
HYDROGRAPH AT										
+	PT5B6-C	.38	1	FLOW TIME	102.3.75	95.3.75	88.3.75	81.3.75	75.3.75	
2 COMBINED AT										
+	CCPT5B6C	4.99	1	FLOW TIME	937.4.00	882.4.00	814.4.00	754.4.00	700.4.00	
ROUTED TO										
+	RCPT5B6	4.99	1	FLOW TIME	930.4.00	875.4.08	810.4.08	752.4.08	697.4.08	
HYDROGRAPH AT										
+	PT5C-1	.19	1	FLOW TIME	58.3.75	54.3.75	50.3.75	47.3.75	44.3.75	
2 COMBINED AT										
+	CPT5C-1	5.17	1	FLOW TIME	975.4.00	916.4.00	844.4.00	784.4.08	727.4.08	
ROUTED TO										
+	RCPT5C-1	5.17	1	FLOW TIME	970.4.08	913.4.08	844.4.08	781.4.08	724.4.08	
HYDROGRAPH AT										
+	PT5C-2	.19	1	FLOW TIME	41.3.75	38.3.75	34.3.75	31.3.75	28.3.75	
2 COMBINED AT										
+	CPT5C-2	5.37	1	FLOW TIME	998.4.08	940.4.08	868.4.08	803.4.08	744.4.08	
ROUTED TO										
+	RCPT5C-2	5.37	1	FLOW TIME	995.4.08	934.4.08	861.4.08	796.4.17	740.4.17	
HYDROGRAPH AT										
+	PT5C-3	.22	1	FLOW TIME	67.3.75	63.3.75	58.3.75	54.3.75	50.3.75	
2 COMBINED AT										
+	CPT5C-3	5.59	1	FLOW TIME	1044.4.08	980.4.08	904.4.08	833.4.08	773.4.17	
ROUTED TO										
+	RCPT5C-3	5.59	1	FLOW TIME	1034.4.17	973.4.17	899.4.17	832.4.17	771.4.17	
HYDROGRAPH AT										
+	PT4C-3	.26	1	FLOW TIME	85.3.75	81.3.75	75.3.75	70.3.75	65.3.75	
2 COMBINED AT										
+	CPT4C-3	5.85	1	FLOW TIME	1098.4.08	1029.4.08	950.4.17	879.4.17	815.4.17	
ROUTED TO										
+	RCPT4C-3	5.85	1	FLOW TIME	1092.4.17	1027.4.17	948.4.17	876.4.17	811.4.17	
HYDROGRAPH AT										
+	PD16A3-C	.35	1	FLOW TIME	120.3.92	115.3.92	108.3.92	101.3.92	96.3.92	
ROUTED TO										
+	RC16A3-C	.35	1	FLOW TIME	121.4.00	115.4.00	108.4.00	102.4.00	96.4.00	
HYDROGRAPH AT										
+	PT4B2-C	.27	1	FLOW TIME	72.3.75	68.3.75	62.3.75	57.3.75	53.3.75	
2 COMBINED AT										
+	CPT4B2-C	.62	1	FLOW TIME	183.3.92	173.3.92	161.3.92	151.3.92	142.3.92	

ROUTED TO									
+	RCPT4B2	.62	1	FLOW TIME	182. 4.08	173. 4.08	161. 4.08	151. 4.08	141. 4.08
HYDROGRAPH AT									
+	PT4B3-C	.28	1	FLOW TIME	71. 3.75	66. 3.75	60. 3.75	55. 3.75	51. 3.75
2 COMBINED AT									
+	CPT4B3-C	.90	1	FLOW TIME	233. 4.00	220. 4.00	204. 4.00	190. 4.00	177. 4.00
HYDROGRAPH AT									
+	PT3DC1-C	.35	1	FLOW TIME	102. 3.92	97. 3.92	90. 3.92	84. 3.92	78. 3.92
ROUTED TO									
+	RAMDET	.35	1	FLOW TIME	72. 4.33	70. 4.25	69. 4.25	68. 4.17	65. 4.17
				** PEAK STAGES IN FEET **					
			1	STAGE TIME	8.67 4.33	8.45 4.25	8.21 4.25	8.01 4.17	7.58 4.17
2 COMBINED AT									
+	CRAMDET	1.25	1	FLOW TIME	303. 4.00	289. 4.00	272. 4.00	255. 4.00	241. 4.00
ROUTED TO									
+	RCRAMDET	1.25	1	FLOW TIME	301. 4.00	287. 4.00	271. 4.08	255. 4.08	240. 4.08
HYDROGRAPH AT									
+	PT4C-1	.25	1	FLOW TIME	70. 3.75	65. 3.75	60. 3.75	56. 3.75	52. 3.75
2 COMBINED AT									
+	CPT4C-1	1.50	1	FLOW TIME	353. 4.00	336. 4.00	314. 4.00	294. 4.00	276. 4.00
ROUTED TO									
+	RCPT4C-1	1.50	1	FLOW TIME	352. 4.00	334. 4.00	312. 4.08	292. 4.08	275. 4.08
HYDROGRAPH AT									
+	PT4C-2	.25	1	FLOW TIME	97. 3.67	92. 3.67	86. 3.67	80. 3.67	75. 3.67
2 COMBINED AT									
+	CPT4C-2	1.75	1	FLOW TIME	405. 4.00	384. 4.00	358. 4.00	335. 4.00	314. 4.00
ROUTED TO									
+	RCPT4C-2	1.75	1	FLOW TIME	404. 4.00	383. 4.00	356. 4.00	332. 4.08	312. 4.08
HYDROGRAPH AT									
+	PT3D-1	.22	1	FLOW TIME	52. 3.75	48. 3.75	44. 3.75	40. 3.75	37. 3.75
ROUTED TO									
+	RPT3D-1	.22	1	FLOW TIME	52. 3.92	48. 3.92	44. 3.92	40. 3.92	36. 3.92
HYDROGRAPH AT									
+	PT3D-2	.26	1	FLOW TIME	77. 3.67	72. 3.75	66. 3.75	61. 3.75	57. 3.75
2 COMBINED AT									
+	CPT3D-2	.49	1	FLOW TIME	118. 3.83	110. 3.83	100. 3.83	92. 3.83	84. 3.83
ROUTED TO									
+	RCPT3D-2	.49	1	FLOW TIME	117. 3.92	109. 3.92	99. 3.92	91. 3.92	84. 3.92
HYDROGRAPH AT									
+	DPT3AB1C	.00	1	FLOW TIME	11. 4.17	4. 4.25	1. 4.83	1. 4.75	1. 4.75
ROUTED TO									
+	RDPT3AB1	.00	1	FLOW TIME	9. 4.83	4. 5.08	1. 5.58	1. 5.58	1. 5.67
HYDROGRAPH AT									
+	PT3AB1-C	.10	1	FLOW TIME	47. 3.67	45. 3.67	42. 3.67	40. 3.67	38. 3.67
DIVERSION TO									
+	DPT3AA13	.10	1	FLOW TIME	7. 3.67	7. 3.67	6. 3.67	6. 3.67	6. 3.67
HYDROGRAPH AT									
+	D3AB1C1	.10	1	FLOW	40.	38.	36.	34.	32.

+	RC2AB1C	1.54	1	FLOW TIME	485. 4.00	462. 4.08	431. 4.08	401. 4.08	374. 4.08
	HYDROGRAPH AT								
+	PT2AB2	.28	1	FLOW TIME	77. 3.83	73. 3.83	67. 3.83	62. 3.83	58. 3.83
	2 COMBINED AT								
+	CPT2AB2	1.82	1	FLOW TIME	557. 4.00	528. 4.00	490. 4.08	456. 4.08	425. 4.08
	ROUTED TO								
+	RCPT2AB2	1.82	1	FLOW TIME	556. 4.00	527. 4.00	490. 4.08	455. 4.08	425. 4.08
	HYDROGRAPH AT								
+	PT2AC1	.09	1	FLOW TIME	24. 3.75	23. 3.75	21. 3.75	19. 3.75	18. 3.75
	ROUTED TO								
+	RPT2AC1	.09	1	FLOW TIME	25. 4.08	23. 4.08	21. 4.08	20. 4.08	18. 4.08
	HYDROGRAPH AT								
+	PT2AC2-C	.28	1	FLOW TIME	99. 3.67	94. 3.67	87. 3.67	81. 3.67	75. 3.67
	2 COMBINED AT								
+	CPT2AC2C	.37	1	FLOW TIME	102. 3.67	96. 3.67	88. 3.67	82. 3.67	76. 3.67
	2 COMBINED AT								
+	C2AC2-C	2.19	1	FLOW TIME	638. 4.00	604. 4.00	559. 4.00	517. 4.00	482. 4.08
	ROUTED TO								
+	RC2AC2-C	2.19	1	FLOW TIME	638. 4.08	603. 4.08	557. 4.08	517. 4.17	482. 4.17
	HYDROGRAPH AT								
+	PT2AD-1	.31	1	FLOW TIME	58. 4.00	54. 4.00	49. 4.00	45. 4.00	41. 4.00
	2 COMBINED AT								
+	CPT2AD-1	2.51	1	FLOW TIME	694. 4.08	656. 4.08	606. 4.08	559. 4.17	520. 4.17
	ROUTED TO								
+	RC2AD-1	2.51	1	FLOW TIME	692. 4.08	653. 4.08	602. 4.17	559. 4.17	519. 4.17
	3 COMBINED AT								
+	CC2AD-1	4.74	1	FLOW TIME	1193. 4.08	1129. 4.08	1045. 4.08	968. 4.08	900. 4.08
	ROUTED TO								
+	RCC2AD-1	4.74	1	FLOW TIME	1193. 4.08	1127. 4.08	1042. 4.08	964. 4.08	895. 4.08
	HYDROGRAPH AT								
+	PT3D-3	.27	1	FLOW TIME	77. 3.67	72. 3.67	66. 3.67	61. 3.67	56. 3.67
	2 COMBINED AT								
+	CPT3D-3	5.01	1	FLOW TIME	1236. 4.08	1167. 4.08	1080. 4.08	999. 4.08	928. 4.08
	2 COMBINED AT								
+	CCPT3D-3	10.86	1	FLOW TIME	2323. 4.08	2185. 4.08	2012. 4.08	1863. 4.17	1732. 4.17
	ROUTED TO								
+	RCPT3D-3	10.86	1	FLOW TIME	2315. 4.08	2174. 4.08	2008. 4.17	1861. 4.17	1729. 4.17
	HYDROGRAPH AT								
+	PT2AC3	.23	1	FLOW TIME	80. 3.67	76. 3.67	70. 3.67	65. 3.67	60. 3.67
	ROUTED TO								
+	LOSPRAD	.23	1	FLOW TIME	45. 4.00	44. 4.00	43. 4.00	41. 3.92	40. 3.92
				** PEAK STAGES IN FEET **					
			1	STAGE TIME	22.49 4.00	22.38 4.00	22.24 4.00	22.12 3.92	22.03 3.92
	HYDROGRAPH AT								
+	PT2AC4	.04	1	FLOW TIME	22. 3.58	21. 3.58	20. 3.58	18. 3.58	17. 3.58
	2 COMBINED AT								
+	CPT2AC4	.28	1	FLOW TIME	61. 3.67	59. 3.67	57. 3.67	54. 3.67	52. 3.67

ROUTED TO									
+	RPT2AC4	.28	1	FLOW TIME	61. 4.33	59. 4.33	57. 4.33	54. 4.33	52. 4.33
HYDROGRAPH AT									
+	PT2AD-2	.46	1	FLOW TIME	89. 4.08	84. 4.08	77. 4.08	71. 4.08	65. 4.08
2 COMBINED AT									
+	CPT2AD2	.74	1	FLOW TIME	147. 4.25	139. 4.25	130. 4.25	122. 4.25	114. 4.25
ROUTED TO									
+	RCPT2AD2	.74	1	FLOW TIME	146. 4.25	138. 4.25	129. 4.25	121. 4.33	113. 4.33
HYDROGRAPH AT									
+	PT2AD-3	.12	1	FLOW TIME	40. 3.67	38. 3.67	35. 3.67	33. 3.67	31. 3.67
2 COMBINED AT									
+	CPT2AD3	.85	1	FLOW TIME	161. 4.25	152. 4.25	143. 4.25	133. 4.25	125. 4.25
ROUTED TO									
+	RCPT2AD3	.85	1	FLOW TIME	161. 4.25	152. 4.25	142. 4.25	132. 4.33	124. 4.33
HYDROGRAPH AT									
+	PT2C-1	.13	1	FLOW TIME	58. 3.58	55. 3.58	52. 3.58	49. 3.58	46. 3.58
2 COMBINED AT									
+	CPT2C-1	.98	1	FLOW TIME	178. 4.17	168. 4.17	156. 4.25	145. 4.25	136. 4.25
2 COMBINED AT									
+	CCPT2C1	11.84	1	FLOW TIME	2489. 4.08	2337. 4.08	2162. 4.17	2003. 4.17	1860. 4.17
ROUTED TO									
+	RCCPT2C1	11.84	1	FLOW TIME	2477. 4.08	2336. 4.17	2160. 4.17	1998. 4.17	1854. 4.17
HYDROGRAPH AT									
+	WTO4B-1	.19	1	FLOW TIME	64. 3.75	60. 3.75	56. 3.75	52. 3.75	49. 3.75
ROUTED TO									
+	RCWTO4B1	.19	1	FLOW TIME	64. 3.92	60. 3.92	56. 3.92	52. 4.00	49. 4.00
HYDROGRAPH AT									
+	WTO4B-2	.25	1	FLOW TIME	62. 3.83	58. 3.83	53. 3.83	49. 3.83	45. 3.83
2 COMBINED AT									
+	CWTO4B-2	.45	1	FLOW TIME	123. 3.92	115. 3.92	107. 3.92	99. 3.92	92. 3.92
ROUTED TO									
+	RCWTO4B2	.45	1	FLOW TIME	123. 4.00	115. 4.00	107. 4.00	99. 4.00	92. 4.00
HYDROGRAPH AT									
+	WTO4B-3	.28	1	FLOW TIME	79. 3.83	74. 3.83	69. 3.83	64. 3.83	60. 3.83
2 COMBINED AT									
+	CWTO4B-3	.72	1	FLOW TIME	194. 3.92	182. 3.92	167. 3.92	155. 4.00	144. 4.00
ROUTED TO									
+	RCWTO4B3	.72	1	FLOW TIME	193. 4.08	182. 4.08	168. 4.08	156. 4.08	145. 4.08
HYDROGRAPH AT									
+	PT-2B-1	.39	1	FLOW TIME	83. 4.00	78. 4.00	72. 4.00	66. 4.00	61. 4.00
2 COMBINED AT									
+	CPT2B-1	1.11	1	FLOW TIME	276. 4.00	258. 4.00	238. 4.08	220. 4.08	204. 4.08
2 COMBINED AT									
+	CCPT2B-1	12.95	1	FLOW TIME	2751. 4.08	2582. 4.17	2388. 4.17	2210. 4.17	2051. 4.17
HYDROGRAPH AT									
+	PT4D-1	.38	1	FLOW TIME	93. 4.00	87. 4.00	80. 4.00	75. 4.00	69. 4.00
2 COMBINED AT									
+	CPT4D-1	13.34	1	FLOW TIME	2841. 4.08	2666. 4.08	2462. 4.17	2279. 4.17	2116. 4.17

ROUTED TO										
+	RCPT4D-1	13.34	1	FLOW TIME	2825.4.17	2660.4.17	2457.4.17	2269.4.17	2104.4.17	
HYDROGRAPH AT										
+	PT2C-2	.26	1	FLOW TIME	63.3.67	59.3.67	53.3.67	49.3.67	45.3.67	
2 COMBINED AT										
+	CPT2C-2	13.60	1	FLOW TIME	2857.4.17	2691.4.17	2484.4.17	2295.4.17	2127.4.17	
HYDROGRAPH AT										
+	PT-2B-2	.31	1	FLOW TIME	76.3.83	71.3.83	65.3.92	60.3.92	56.3.92	
ROUTED TO										
+	RPT2B-2	.31	1	FLOW TIME	75.3.92	71.3.92	65.3.92	60.3.92	56.3.92	
2 COMBINED AT										
+	CCPT2C-2	13.90	1	FLOW TIME	2926.4.08	2753.4.17	2542.4.17	2349.4.17	2177.4.17	
ROUTED TO										
+	RCCPT2C2	13.90	1	FLOW TIME	2923.4.17	2750.4.17	2532.4.17	2333.4.17	2164.4.25	
HYDROGRAPH AT										
+	PT4D-2	.25	1	FLOW TIME	117.3.67	112.3.67	105.3.67	100.3.67	95.3.67	
ROUTED TO										
+	RPT4D-2	.25	1	FLOW TIME	117.3.83	112.3.83	106.3.83	100.3.83	95.3.83	
2 COMBINED AT										
+	CRCPT2C2	14.15	1	FLOW TIME	2995.4.17	2819.4.17	2598.4.17	2396.4.17	2218.4.17	
ROUTED TO										
+	RRPT2C-2	14.15	1	FLOW TIME	2988.4.17	2809.4.17	2583.4.17	2382.4.25	2215.4.25	
HYDROGRAPH AT										
+	PT2C-3	.25	1	FLOW TIME	80.3.67	76.3.67	70.3.67	65.3.67	60.3.67	
2 COMBINED AT										
+	CPT2C-3	14.40	1	FLOW TIME	3027.4.17	2846.4.17	2618.4.17	2410.4.17	2240.4.25	
HYDROGRAPH AT										
+	PT-2B-3	.26	1	FLOW TIME	81.3.75	76.3.75	71.3.83	66.3.83	62.3.83	
2 COMBINED AT										
+	CPT-2B-3	14.67	1	FLOW TIME	3082.4.17	2898.4.17	2666.4.17	2455.4.17	2277.4.25	
2 COMBINED AT										
+	CGOWAN	43.96	1	FLOW TIME	5200.4.25	4937.4.25	4616.4.25	4332.4.33	4068.4.33	
ROUTED TO										
+	RRC086-C	43.96	1	FLOW TIME	5193.4.25	4928.4.25	4609.4.33	4328.4.33	4060.4.33	
HYDROGRAPH AT										
+	NN104-C	.37	1	FLOW TIME	99.3.83	93.3.83	86.3.83	80.3.83	75.3.83	
2 COMBINED AT										
+	CNN104-C	44.33	1	FLOW TIME	5263.4.25	4994.4.25	4664.4.25	4379.4.33	4108.4.33	
ROUTED TO										
+	RC104-C	44.33	1	FLOW TIME	5252.4.25	4979.4.25	4661.4.33	4371.4.33	4095.4.33	
HYDROGRAPH AT										
+	NN118-C	.40	1	FLOW TIME	65.3.83	60.3.83	53.3.83	48.3.92	43.3.92	
2 COMBINED AT										
+	CNN118-C	44.72	1	FLOW TIME	5297.4.25	5020.4.25	4695.4.33	4401.4.33	4123.4.33	
ROUTED TO										
+	RC118-C	44.72	1	FLOW TIME	5287.4.25	5015.4.33	4692.4.33	4395.4.33	4117.4.42	
HYDROGRAPH AT										
+	LV99A-1	.36	1	FLOW	92.	86.	79.	73.	68.	

+	CLV99B-4	1.17	1	FLOW TIME	350. 3.75	328. 3.75	302. 3.75	278. 3.75	258. 3.75
	ROUTED TO								
+	RC99B-4	1.17	1	FLOW TIME	343. 3.83	324. 3.83	299. 3.83	275. 3.83	254. 3.83
	HYDROGRAPH AT								
+	LV99B-6	.26	1	FLOW TIME	111. 3.75	106. 3.75	100. 3.75	95. 3.75	90. 3.75
	2 COMBINED AT								
+	CLV99B-6	1.43	1	FLOW TIME	452. 3.83	428. 3.83	397. 3.83	367. 3.83	343. 3.83
	2 COMBINED AT								
+	2C99B-6	48.18	1	FLOW TIME	5878. 4.25	5558. 4.25	5167. 4.33	4827. 4.33	4510. 4.33
	ROUTED TO								
+	RC99B-6	48.18	1	FLOW TIME	5858. 4.25	5540. 4.33	5164. 4.33	4815. 4.33	4498. 4.42
	HYDROGRAPH AT								
+	LV99B-5	.60	1	FLOW TIME	290. 3.67	278. 3.67	262. 3.67	249. 3.67	236. 3.67
	2 COMBINED AT								
+	CLV99B-5	48.77	1	FLOW TIME	5967. 4.25	5634. 4.25	5246. 4.33	4893. 4.33	4565. 4.33
	HYDROGRAPH AT								
+	41	5.12	1	FLOW TIME	1564. 4.08	1475. 4.08	1367. 4.08	1271. 4.08	1187. 4.08
	ROUTED TO								
+	R41	5.12	1	FLOW TIME	1510. 4.33	1423. 4.33	1318. 4.33	1225. 4.42	1144. 4.42
	HYDROGRAPH AT								
+	302	6.15	1	FLOW TIME	1610. 4.17	1515. 4.17	1401. 4.17	1299. 4.17	1210. 4.17
	2 COMBINED AT								
+	C302	11.27	1	FLOW TIME	3056. 4.25	2878. 4.25	2663. 4.25	2472. 4.25	2304. 4.25
	ROUTED TO								
+	RC302	11.27	1	FLOW TIME	3020. 4.42	2845. 4.42	2633. 4.42	2445. 4.42	2280. 4.42
	HYDROGRAPH AT								
+	303	4.22	1	FLOW TIME	947. 4.00	885. 4.08	811. 4.08	746. 4.08	689. 4.08
	HYDROGRAPH AT								
+	42B	4.12	1	FLOW TIME	857. 4.25	802. 4.25	737. 4.25	679. 4.25	628. 4.25
	3 COMBINED AT								
+	C42B	19.61	1	FLOW TIME	4644. 4.33	4365. 4.33	4028. 4.33	3729. 4.33	3468. 4.33
	ROUTED TO								
+	RC42B	19.61	1	FLOW TIME	4590. 4.42	4315. 4.50	3984. 4.50	3691. 4.50	3433. 4.50
	HYDROGRAPH AT								
+	42A	9.48	1	FLOW TIME	1875. 4.33	1758. 4.33	1617. 4.33	1492. 4.33	1383. 4.33
	2 COMBINED AT								
+	C42A	29.08	1	FLOW TIME	6453. 4.42	6059. 4.42	5586. 4.42	5166. 4.42	4798. 4.42
	ROUTED TO								
+	RC42A	29.08	1	FLOW TIME	6335. 4.67	5949. 4.67	5484. 4.67	5072. 4.67	4711. 4.67
	HYDROGRAPH AT								
+	43	7.69	1	FLOW TIME	1325. 4.25	1234. 4.25	1126. 4.25	1031. 4.25	947. 4.25
	2 COMBINED AT								
+	C43	36.77	1	FLOW TIME	7376. 4.67	6924. 4.67	6380. 4.67	5897. 4.67	5474. 4.67
	ROUTED TO								
+	RC43	36.77	1	FLOW TIME	7272. 4.83	6823. 4.83	6283. 4.83	5805. 4.92	5392. 4.92
	HYDROGRAPH AT								
+	309	6.25	1	FLOW TIME	777. 4.50	720. 4.58	653. 4.58	594. 4.58	543. 4.58

2 COMBINED AT										
+	C309	43.02	1	FLOW TIME	8018.4.83	7518.4.83	6916.4.83	6382.4.83	5919.4.92	
ROUTED TO										
+	RC309	43.02	1	FLOW TIME	8001.4.92	7504.4.92	6910.4.92	6381.4.92	5917.4.92	
HYDROGRAPH AT										
+	213H	.52	1	FLOW TIME	162.3.67	152.3.75	141.3.75	130.3.75	121.3.75	
ROUTED TO										
+	R213H	.52	1	FLOW TIME	165.3.83	155.3.83	143.3.83	133.3.83	124.3.83	
HYDROGRAPH AT										
+	213A	.44	1	FLOW TIME	108.3.67	101.3.67	92.3.67	84.3.67	77.3.67	
3 COMBINED AT										
+	C213A	43.98	1	FLOW TIME	8154.4.92	7648.4.92	7044.4.92	6506.4.92	6035.4.92	
ROUTED TO										
+	RC213A	43.98	1	FLOW TIME	8143.4.92	7637.4.92	7024.4.92	6492.5.00	6026.5.00	
HYDROGRAPH AT										
+	213G	.56	1	FLOW TIME	189.3.67	178.3.67	165.3.67	153.3.67	143.3.67	
ROUTED TO										
+	R213G	.56	1	FLOW TIME	188.3.83	178.3.83	165.3.83	154.3.83	144.3.83	
HYDROGRAPH AT										
+	213B	.48	1	FLOW TIME	116.3.67	108.3.67	98.3.67	89.3.67	82.3.67	
3 COMBINED AT										
+	C213B	45.02	1	FLOW TIME	8313.4.92	7798.4.92	7184.5.00	6644.5.00	6170.5.00	
ROUTED TO										
+	RC213B	45.02	1	FLOW TIME	8303.5.00	7798.5.00	7180.5.00	6637.5.00	6157.5.00	
HYDROGRAPH AT										
+	213F	.51	1	FLOW TIME	173.3.67	163.3.67	151.3.67	140.3.67	130.3.67	
ROUTED TO										
+	R213F	.51	1	FLOW TIME	171.3.75	161.3.75	148.3.83	138.3.83	129.3.83	
HYDROGRAPH AT										
+	213C	.44	1	FLOW TIME	144.3.67	135.3.67	125.3.67	115.3.67	107.3.67	
3 COMBINED AT										
+	C213C	45.97	1	FLOW TIME	8486.5.00	7971.5.00	7342.5.00	6789.5.00	6301.5.00	
ROUTED TO										
+	RC213C	45.97	1	FLOW TIME	8480.5.00	7955.5.00	7317.5.00	6776.5.08	6296.5.08	
HYDROGRAPH AT										
+	305A	6.49	1	FLOW TIME	1061.4.25	987.4.25	900.4.25	823.4.25	755.4.25	
HYDROGRAPH AT										
+	305	2.60	1	FLOW TIME	486.4.00	452.4.00	411.4.00	375.4.00	344.4.00	
2 COMBINED AT										
+	C305	9.09	1	FLOW TIME	1500.4.17	1396.4.17	1272.4.17	1162.4.17	1067.4.17	
ROUTED TO										
+	RC305	9.09	1	FLOW TIME	1500.4.25	1397.4.25	1273.4.25	1163.4.25	1067.4.25	
HYDROGRAPH AT										
+	213E	.50	1	FLOW TIME	160.3.67	151.3.67	139.3.67	129.3.67	119.3.67	
2 COMBINED AT										
+	C213E	9.59	1	FLOW TIME	1563.4.17	1455.4.25	1327.4.25	1214.4.25	1115.4.25	
ROUTED TO										
+	RC213E	9.59	1	FLOW TIME	1565.4.25	1455.4.25	1327.4.33	1214.4.33	1115.4.33	

HYDROGRAPH AT									
+	213D	.45	1	FLOW TIME	135. 3.67	127. 3.75	117. 3.75	108. 3.75	101. 3.75
2 COMBINED AT									
+	C213D	10.04	1	FLOW TIME	1626. 4.25	1513. 4.25	1377. 4.25	1257. 4.25	1155. 4.33
2 COMBINED AT									
+	CC213D	56.01	1	FLOW TIME	9785. 5.00	9181. 5.00	8460. 5.08	7835. 5.08	7280. 5.08
ROUTED TO									
+	RCC213D	56.01	1	FLOW TIME	9770. 5.08	9175. 5.08	8457. 5.08	7827. 5.08	7268. 5.08
HYDROGRAPH AT									
+	306A	.35	1	FLOW TIME	118. 3.67	111. 3.67	103. 3.67	96. 3.67	89. 3.67
2 COMBINED AT									
+	C306A	56.36	1	FLOW TIME	9829. 5.08	9232. 5.08	8510. 5.08	7877. 5.08	7315. 5.08
HYDROGRAPH AT									
+	115	.56	1	FLOW TIME	105. 3.75	97. 3.75	87. 3.75	79. 3.83	72. 3.83
HYDROGRAPH AT									
+	NW166-C	.35	1	FLOW TIME	49. 4.00	45. 4.00	40. 4.00	36. 4.00	32. 4.00
ROUTED TO									
+	RNW166-C	.35	1	FLOW TIME	49. 4.33	45. 4.33	40. 4.33	35. 4.33	32. 4.42
HYDROGRAPH AT									
+	NW186-C	.51	1	FLOW TIME	86. 4.00	80. 4.00	72. 4.00	65. 4.00	60. 4.00
2 COMBINED AT									
+	CNW186-C	.86	1	FLOW TIME	125. 4.17	115. 4.17	102. 4.17	91. 4.17	82. 4.25
ROUTED TO									
+	RC186-C	.86	1	FLOW TIME	124. 4.42	114. 4.50	103. 4.50	93. 4.50	84. 4.58
HYDROGRAPH AT									
+	NW206-C	.30	1	FLOW TIME	45. 4.08	41. 4.08	37. 4.08	34. 4.08	31. 4.08
DIVERSION TO									
+	DNW205-C	.30	1	FLOW TIME	38. 4.08	35. 4.08	31. 4.08	28. 4.08	26. 4.08
HYDROGRAPH AT									
+	DNW206-C	.30	1	FLOW TIME	7. 4.08	7. 4.08	6. 4.08	5. 4.08	5. 4.08
2 COMBINED AT									
+	CNW206-C	1.16	1	FLOW TIME	130. 4.42	119. 4.50	108. 4.50	97. 4.50	87. 4.58
ROUTED TO									
+	RC206-C	1.16	1	FLOW TIME	126. 4.58	116. 4.58	104. 4.58	93. 4.67	84. 4.67
2 COMBINED AT									
+	2C115	1.71	1	FLOW TIME	179. 4.92	168. 4.92	154. 5.00	142. 5.00	131. 5.00
ROUTED TO									
+	RC115	1.71	1	FLOW TIME	178. 5.00	167. 5.00	153. 5.00	140. 5.08	130. 5.08
HYDROGRAPH AT									
+	109C	.49	1	FLOW TIME	104. 3.75	96. 3.75	87. 3.75	79. 3.75	72. 3.75
HYDROGRAPH AT									
+	109B	.61	1	FLOW TIME	112. 3.75	103. 3.83	93. 3.83	84. 3.83	77. 3.83
3 COMBINED AT									
+	C109B	2.81	1	FLOW TIME	337. 5.00	316. 5.00	291. 5.00	269. 5.00	249. 5.00
ROUTED TO									
+	RC109B	2.81	1	FLOW TIME	331. 5.08	310. 5.08	285. 5.08	263. 5.08	243. 5.08
HYDROGRAPH AT									
+	101E	.49	1	FLOW	102.	94.	85.	77.	70.

+	R306G	.48	1	FLOW TIME	137. 3.92	128. 3.92	118. 3.92	109. 3.92	101. 3.92
	HYDROGRAPH AT								
+	306F	.52	1	FLOW TIME	148. 3.75	139. 3.75	128. 3.75	119. 3.75	110. 3.75
	2 COMBINED AT								
+	C306F	.99	1	FLOW TIME	270. 3.83	253. 3.83	233. 3.83	215. 3.92	200. 3.92
	ROUTED TO								
+	RC306F	.99	1	FLOW TIME	269. 3.92	253. 3.92	233. 3.92	215. 3.92	198. 3.92
	HYDROGRAPH AT								
+	306H	.49	1	FLOW TIME	153. 3.67	143. 3.67	132. 3.67	122. 3.67	114. 3.67
	ROUTED TO								
+	R306H	.49	1	FLOW TIME	154. 3.83	144. 3.83	133. 3.83	123. 3.83	114. 3.92
	HYDROGRAPH AT								
+	306E	.52	1	FLOW TIME	148. 3.75	139. 3.75	128. 3.75	118. 3.75	110. 3.75
	3 COMBINED AT								
+	C306E	2.01	1	FLOW TIME	558. 3.83	523. 3.83	480. 3.83	444. 3.92	412. 3.92
	ROUTED TO								
+	RC306E	2.01	1	FLOW TIME	553. 3.92	521. 3.92	480. 3.92	445. 3.92	412. 3.92
	HYDROGRAPH AT								
+	306I	.49	1	FLOW TIME	169. 3.67	159. 3.67	148. 3.67	137. 3.67	128. 3.67
	ROUTED TO								
+	R306I	.49	1	FLOW TIME	170. 3.83	161. 3.83	149. 3.83	139. 3.83	129. 3.83
	HYDROGRAPH AT								
+	306D	.52	1	FLOW TIME	151. 3.75	142. 3.75	131. 3.75	121. 3.75	113. 3.75
	3 COMBINED AT								
+	C306D	3.02	1	FLOW TIME	859. 3.83	805. 3.83	741. 3.83	685. 3.83	634. 3.83
	2 COMBINED AT								
+	2C306D	9.98	1	FLOW TIME	1793. 3.92	1677. 3.92	1535. 3.92	1411. 3.92	1300. 3.92
	HYDROGRAPH AT								
+	NW174	.27	1	FLOW TIME	52. 3.83	48. 3.83	44. 3.83	40. 3.83	36. 3.83
	ROUTED TO								
+	RNW174	.27	1	FLOW TIME	52. 4.00	48. 4.08	44. 4.08	40. 4.08	36. 4.08
	HYDROGRAPH AT								
+	NW184-C	.26	1	FLOW TIME	65. 3.83	60. 3.83	55. 3.83	51. 3.83	47. 3.83
	2 COMBINED AT								
+	CNW184-C	.53	1	FLOW TIME	110. 3.92	102. 4.00	93. 4.00	85. 4.00	78. 4.00
	ROUTED TO								
+	RC184-C	.53	1	FLOW TIME	111. 4.08	103. 4.08	94. 4.08	85. 4.08	78. 4.17
	HYDROGRAPH AT								
+	NW182-C	.27	1	FLOW TIME	51. 3.83	48. 3.83	43. 3.83	39. 3.83	36. 3.83
	2 COMBINED AT								
+	CNW182-C	.80	1	FLOW TIME	156. 4.00	144. 4.08	131. 4.08	120. 4.08	109. 4.08
	ROUTED TO								
+	RC182-C	.80	1	FLOW TIME	156. 4.17	144. 4.17	131. 4.25	119. 4.25	109. 4.25
	HYDROGRAPH AT								
+	NW192-C	.27	1	FLOW TIME	57. 3.83	53. 3.83	48. 3.83	44. 3.83	40. 3.83
	2 COMBINED AT								
+	CNW192-C	1.07	1	FLOW TIME	198. 4.17	184. 4.17	166. 4.17	151. 4.17	138. 4.17

ROUTED TO									
+	RC192-C	1.07	1	FLOW TIME	198. 4.25	183. 4.25	166. 4.33	151. 4.33	138. 4.33
HYDROGRAPH AT									
+	DNW205-C	.00	1	FLOW TIME	38. 4.08	35. 4.08	31. 4.08	28. 4.08	26. 4.08
ROUTED TO									
+	RDW205-C	.00	1	FLOW TIME	38. 4.42	35. 4.42	31. 4.50	28. 4.50	26. 4.50
HYDROGRAPH AT									
+	NW205-C	.38	1	FLOW TIME	63. 4.00	59. 4.00	53. 4.00	48. 4.00	44. 4.00
2 COMBINED AT									
+	CNW205-C	.38	1	FLOW TIME	88. 4.25	81. 4.25	72. 4.25	65. 4.25	59. 4.33
ROUTED TO									
+	RCNW205-	.38	1	FLOW TIME	87. 4.25	80. 4.33	72. 4.33	65. 4.33	58. 4.33
HYDROGRAPH AT									
+	NW202-C	.26	1	FLOW TIME	60. 3.83	56. 3.83	52. 3.83	47. 3.83	44. 3.83
3 COMBINED AT									
+	CNW202-C	1.70	1	FLOW TIME	323. 4.25	298. 4.25	268. 4.25	242. 4.25	220. 4.33
ROUTED TO									
+	RC202-C	1.70	1	FLOW TIME	322. 4.33	298. 4.33	269. 4.33	242. 4.33	221. 4.42
HYDROGRAPH AT									
+	GT03B	.55	1	FLOW TIME	190. 3.67	179. 3.67	165. 3.67	153. 3.67	143. 3.67
2 COMBINED AT									
+	CGT03B	2.25	1	FLOW TIME	381. 4.25	351. 4.25	315. 4.33	286. 4.33	260. 4.92
ROUTED TO									
+	RCGT03B	2.25	1	FLOW TIME	380. 4.33	351. 4.33	315. 4.33	286. 4.42	260. 5.00
HYDROGRAPH AT									
+	GT03D	.24	1	FLOW TIME	41. 4.00	38. 4.00	34. 4.00	31. 4.00	28. 4.00
2 COMBINED AT									
+	CGT03D	2.49	1	FLOW TIME	413. 4.25	380. 4.33	341. 4.33	307. 4.42	282. 5.00
ROUTED TO									
+	RCGT03D	2.49	1	FLOW TIME	414. 4.33	380. 4.33	341. 4.42	307. 4.50	281. 5.08
2 COMBINED AT									
+	CC306D	12.47	1	FLOW TIME	2133. 3.92	1989. 3.92	1812. 3.92	1659. 3.92	1524. 3.92
ROUTED TO									
+	RCC306D	12.47	1	FLOW TIME	2101. 4.08	1958. 4.08	1786. 4.08	1636. 4.08	1505. 4.08
HYDROGRAPH AT									
+	GT03E	.74	1	FLOW TIME	131. 4.25	123. 4.25	113. 4.25	104. 4.33	96. 4.33
ROUTED TO									
+	RGT03E	.74	1	FLOW TIME	130. 4.42	122. 4.42	112. 4.42	103. 4.42	95. 4.42
HYDROGRAPH AT									
+	ELK06C	.64	1	FLOW TIME	155. 3.92	146. 3.92	134. 3.92	124. 3.92	115. 3.92
2 COMBINED AT									
+	CELK06C	1.38	1	FLOW TIME	259. 4.08	242. 4.08	223. 4.08	206. 4.08	191. 4.08
ROUTED TO									
+	RCELK06	1.38	1	FLOW TIME	258. 4.08	242. 4.08	223. 4.08	205. 4.08	190. 4.08
2 COMBINED AT									
+	CCELK06C	13.86	1	FLOW TIME	2360. 4.08	2200. 4.08	2009. 4.08	1841. 4.08	1695. 4.08
ROUTED TO									
+	RCCELK06	13.86	1	FLOW TIME	2357. 4.08	2198. 4.08	2006. 4.08	1838. 4.08	1691. 4.08

HYDROGRAPH AT									
+	306B	.58	1	FLOW	140.	130.	118.	108.	99.
				TIME	3.67	3.67	3.67	3.67	3.75
3 COMBINED AT									
+	NLVIN	70.80	1	FLOW	11777.	11066.	10206.	9455.	8798.
				TIME	5.08	5.08	5.08	5.17	5.17
ROUTED TO									
+	NLVDB	70.80	1	FLOW	2968.	2862.	2718.	2585.	2470.
				TIME	7.00	7.00	7.00	7.00	7.00
				** PEAK STAGES IN FEET **					
			1	STAGE	29.32	29.22	29.11	29.00	28.91
				TIME	7.00	7.00	7.00	7.00	7.00
ROUTED TO									
+	RNLVDB	70.80	1	FLOW	2968.	2861.	2718.	2585.	2470.
				TIME	7.08	7.08	7.00	7.00	7.00
DIVERSION TO									
+	NLVDB	70.80	1	FLOW	2968.	2861.	2718.	2585.	2470.
				TIME	7.08	7.08	7.00	7.00	7.00
HYDROGRAPH AT									
+	DNLVDB	70.80	1	FLOW	0.	0.	0.	0.	0.
				TIME	.00	.00	.00	.00	.00
HYDROGRAPH AT									
+	NN032-C	.19	1	FLOW	66.	62.	58.	54.	51.
				TIME	3.75	3.75	3.75	3.75	3.75
ROUTED TO									
+	LOCALDB	.19	1	FLOW	66.	62.	58.	54.	51.
				TIME	3.75	3.75	3.75	3.75	3.75
				** PEAK STAGES IN FEET **					
			1	STAGE	3.54	3.46	3.36	3.27	3.19
				TIME	3.75	3.75	3.75	3.75	3.75
ROUTED TO									
+	RLOCALDB	.19	1	FLOW	65.	62.	57.	54.	50.
				TIME	3.83	3.83	3.83	3.83	3.83
HYDROGRAPH AT									
+	NN033-C	.27	1	FLOW	85.	80.	75.	70.	65.
				TIME	3.83	3.83	3.83	3.83	3.83
2 COMBINED AT									
+	CNN033-C	.46	1	FLOW	150.	142.	132.	123.	116.
				TIME	3.83	3.83	3.83	3.83	3.83
ROUTED TO									
+	RC033-C	.46	1	FLOW	150.	143.	134.	125.	117.
				TIME	4.25	4.25	4.25	4.25	4.25
HYDROGRAPH AT									
+	NN034-C	.15	1	FLOW	51.	48.	45.	42.	39.
				TIME	3.75	3.75	3.75	3.75	3.75
ROUTED TO									
+	RNN034-C	.15	1	FLOW	51.	49.	45.	42.	40.
				TIME	4.00	4.00	4.00	4.00	4.00
HYDROGRAPH AT									
+	NN048-C	.55	1	FLOW	121.	112.	103.	94.	87.
				TIME	3.83	3.83	3.92	3.92	3.92
3 COMBINED AT									
+	CNN048-C	1.16	1	FLOW	290.	272.	251.	232.	215.
				TIME	4.17	4.17	4.17	4.17	4.17
HYDROGRAPH AT									
+	NN020-C	.33	1	FLOW	108.	103.	96.	90.	84.
				TIME	3.83	3.83	3.83	3.83	3.83
ROUTED TO									
+	RNN020-C	.33	1	FLOW	109.	103.	96.	90.	85.
				TIME	4.00	4.00	4.00	4.00	4.00
HYDROGRAPH AT									
+	NN021-C	.57	1	FLOW	185.	176.	164.	154.	144.
				TIME	3.83	3.83	3.83	3.83	3.83
2 COMBINED AT									
+	CNN021-C	.90	1	FLOW	287.	272.	254.	238.	223.
				TIME	3.92	3.92	3.92	3.92	3.92
ROUTED TO									
+	RC021-C	.90	1	FLOW	287.	272.	254.	238.	223.
				TIME	4.00	4.00	4.00	4.00	4.00
HYDROGRAPH AT									
+	NN035-C	.57	1	FLOW	160.	151.	140.	130.	122.

+		CNN062-C	.95	1	FLOW TIME	293. 3.75	277. 3.75	257. 3.75	240. 3.75	225. 3.75
	ROUTED TO									
+		RC062-C	.95	1	FLOW TIME	290. 3.75	274. 3.75	255. 3.75	237. 3.75	222. 3.75
	HYDROGRAPH AT									
+		NN078-C	.40	1	FLOW TIME	153. 3.83	145. 3.83	137. 3.83	129. 3.83	122. 3.83
	2 COMBINED AT									
+		CNN078-C	1.35	1	FLOW TIME	441. 3.83	418. 3.83	390. 3.83	366. 3.83	344. 3.83
	ROUTED TO									
+		RC078-C	1.35	1	FLOW TIME	442. 3.83	419. 3.83	390. 3.83	366. 3.83	345. 3.83
	HYDROGRAPH AT									
+		NN093-C	.32	1	FLOW TIME	127. 3.67	120. 3.67	112. 3.67	105. 3.67	98. 3.67
	2 COMBINED AT									
+		CNN093-C	1.67	1	FLOW TIME	546. 3.75	517. 3.75	480. 3.75	449. 3.75	422. 3.75
	ROUTED TO									
+		RC093-C	1.67	1	FLOW TIME	541. 3.83	513. 3.83	478. 3.83	448. 3.83	422. 3.83
	HYDROGRAPH AT									
+		NN089-C	.49	1	FLOW TIME	193. 3.75	183. 3.75	172. 3.75	162. 3.75	153. 3.75
	ROUTED TO									
+		RNN089-C	.49	1	FLOW TIME	191. 3.75	181. 3.75	170. 3.75	160. 3.75	151. 3.75
	HYDROGRAPH AT									
+		NN109-C	.34	1	FLOW TIME	158. 3.58	151. 3.58	141. 3.58	132. 3.58	125. 3.58
	2 COMBINED AT									
+		CNN109-C	.83	1	FLOW TIME	331. 3.67	315. 3.67	294. 3.67	276. 3.67	260. 3.67
	2 COMBINED AT									
+		CCNN109	2.50	1	FLOW TIME	854. 3.75	809. 3.75	754. 3.75	706. 3.75	665. 3.75
	ROUTED TO									
+		RCC109-C	2.50	1	FLOW TIME	853. 3.83	809. 3.83	754. 3.83	706. 3.83	664. 3.83
	HYDROGRAPH AT									
+		NN138-C	.28	1	FLOW TIME	91. 3.83	86. 3.83	80. 3.83	75. 3.83	70. 3.83
	2 COMBINED AT									
+		CNN138-C	2.79	1	FLOW TIME	944. 3.83	895. 3.83	834. 3.83	780. 3.83	734. 3.83
	HYDROGRAPH AT									
+		NN153-C	.44	1	FLOW TIME	170. 3.83	162. 3.83	152. 3.83	143. 3.83	136. 3.83
	3 COMBINED AT									
+		CNN153-C	78.67	1	FLOW TIME	2111. 4.00	1989. 4.00	1845. 4.00	1724. 4.00	1607. 4.00
	ROUTED TO									
+		RC153-C	78.67	1	FLOW TIME	2104. 4.00	1979. 4.00	1837. 4.08	1718. 4.08	1603. 4.08
	HYDROGRAPH AT									
+		NN081-C	.31	1	FLOW TIME	59. 3.83	55. 3.83	49. 3.83	45. 3.83	41. 3.83
	ROUTED TO									
+		RNN081-C	.31	1	FLOW TIME	59. 3.83	55. 3.83	49. 3.83	44. 3.83	40. 3.83
	HYDROGRAPH AT									
+		NN095-C	.26	1	FLOW TIME	86. 3.67	81. 3.67	75. 3.67	70. 3.67	65. 3.67
	2 COMBINED AT									
+		CNN095-C	.57	1	FLOW TIME	141. 3.75	132. 3.75	121. 3.75	111. 3.75	102. 3.75
	ROUTED TO									
+		RC095-C	.57	1	FLOW TIME	138. 3.83	129. 3.83	119. 3.83	109. 3.83	100. 3.83

HYDROGRAPH AT										
+	NN111-C	.26	1	FLOW TIME	89.	84.	78.	73.	68.	
					3.75	3.75	3.75	3.75	3.75	
2 COMBINED AT										
+	CNN111-C	.84	1	FLOW TIME	227.	213.	196.	181.	167.	
					3.75	3.75	3.75	3.75	3.75	
ROUTED TO										
+	RC111-C	.84	1	FLOW TIME	223.	214.	197.	182.	168.	
					3.83	3.83	3.83	3.83	3.83	
HYDROGRAPH AT										
+	NN141-C	.39	1	FLOW TIME	117.	110.	102.	94.	88.	
					3.75	3.75	3.75	3.75	3.75	
2 COMBINED AT										
+	CNN141-C	1.23	1	FLOW TIME	338.	322.	297.	275.	256.	
					3.83	3.83	3.83	3.83	3.83	
2 COMBINED AT										
+	2C141-C	79.90	1	FLOW TIME	2403.	2262.	2096.	1955.	1823.	
					4.00	4.00	4.00	4.00	4.00	
ROUTED TO										
+	RC141-C	79.90	1	FLOW TIME	2395.	2258.	2088.	1946.	1813.	
					4.00	4.00	4.00	4.08	4.08	
HYDROGRAPH AT										
+	NN156-C	.52	1	FLOW TIME	144.	135.	125.	115.	107.	
					3.75	3.75	3.75	3.75	3.75	
2 COMBINED AT										
+	CNN156-C	80.42	1	FLOW TIME	2508.	2364.	2187.	2037.	1894.	
					4.00	4.00	4.00	4.00	4.00	
HYDROGRAPH AT										
+	NN099-C	.21	1	FLOW TIME	73.	69.	64.	59.	55.	
					3.67	3.67	3.67	3.67	3.67	
ROUTED TO										
+	RNN099-C	.21	1	FLOW TIME	72.	68.	63.	59.	55.	
					3.83	3.83	3.83	3.83	3.83	
HYDROGRAPH AT										
+	NN113-C	.54	1	FLOW TIME	101.	94.	85.	77.	70.	
					3.92	3.92	3.92	3.92	3.92	
2 COMBINED AT										
+	CNN113-C	.75	1	FLOW TIME	173.	161.	147.	135.	124.	
					3.83	3.83	3.83	3.83	3.83	
ROUTED TO										
+	RC113-C	.75	1	FLOW TIME	171.	157.	145.	135.	125.	
					3.92	3.92	3.92	3.92	3.92	
HYDROGRAPH AT										
+	NN142-C	.32	1	FLOW TIME	54.	50.	45.	41.	37.	
					3.83	3.83	3.92	3.92	3.92	
2 COMBINED AT										
+	CNN142-C	1.07	1	FLOW TIME	225.	207.	190.	176.	161.	
					3.92	3.92	3.92	3.92	3.92	
2 COMBINED AT										
+	C156-C	81.49	1	FLOW TIME	2720.	2562.	2368.	2204.	2048.	
					4.00	4.00	4.00	4.00	4.00	
ROUTED TO										
+	RC156-C	81.49	1	FLOW TIME	2712.	2552.	2358.	2193.	2038.	
					4.00	4.00	4.00	4.00	4.08	
HYDROGRAPH AT										
+	NN128-C	.29	1	FLOW TIME	60.	56.	51.	47.	43.	
					4.00	4.00	4.00	4.00	4.00	
ROUTED TO										
+	RNN128-C	.29	1	FLOW TIME	60.	56.	51.	47.	43.	
					4.17	4.17	4.17	4.17	4.17	
HYDROGRAPH AT										
+	NN129-C	.24	1	FLOW TIME	65.	61.	56.	52.	48.	
					3.83	3.83	3.83	3.83	3.83	
ROUTED TO										
+	RNN129-C	.24	1	FLOW TIME	65.	61.	57.	52.	49.	
					3.92	3.92	3.92	3.92	3.92	
HYDROGRAPH AT										
+	NN144-C	.26	1	FLOW TIME	42.	38.	34.	30.	27.	
					3.75	3.75	3.75	3.75	3.75	
4 COMBINED AT										
+	CNN144-C	82.28	1	FLOW TIME	2860.	2690.	2484.	2308.	2143.	
					4.00	4.00	4.00	4.00	4.08	

ROUTED TO										
+	RC144-C	82.28	1	FLOW TIME	2847.4.08	2675.4.08	2475.4.08	2304.4.08	2145.4.08	
HYDROGRAPH AT										
+	NN146-C	.53	1	FLOW TIME	140.3.92	132.3.92	122.3.92	113.3.92	106.3.92	
HYDROGRAPH AT										
+	NN166-C	.17	1	FLOW TIME	23.3.75	21.3.75	18.3.75	16.3.75	14.5.00	
ROUTED TO										
+	RNN166-C	.17	1	FLOW TIME	23.4.17	20.4.17	18.4.25	17.4.17	14.4.33	
3 COMBINED AT										
+	CNN146-C	82.98	1	FLOW TIME	2997.4.08	2816.4.08	2602.4.08	2414.4.08	2245.4.08	
ROUTED TO										
+	RC146-C	82.98	1	FLOW TIME	2997.4.08	2812.4.08	2596.4.08	2408.4.08	2238.4.08	
HYDROGRAPH AT										
+	NN170-C	.32	1	FLOW TIME	48.3.92	44.3.92	39.3.92	35.3.92	32.3.92	
2 COMBINED AT										
+	CNN170-C	83.31	1	FLOW TIME	3041.4.08	2853.4.08	2633.4.08	2442.4.08	2268.4.08	
ROUTED TO										
+	RC170-C	83.31	1	FLOW TIME	3037.4.08	2848.4.08	2626.4.08	2433.4.08	2259.4.08	
HYDROGRAPH AT										
+	NN175-C	.34	1	FLOW TIME	139.3.83	133.3.83	126.3.83	119.3.83	113.3.83	
HYDROGRAPH AT										
+	NN174-C	.33	1	FLOW TIME	121.3.75	115.3.75	108.3.75	101.3.75	95.3.75	
3 COMBINED AT										
+	CNN174-C	83.97	1	FLOW TIME	3239.4.08	3041.4.08	2808.4.08	2606.4.08	2422.4.08	
ROUTED TO										
+	RCNN174	83.97	1	FLOW TIME	3235.4.08	3032.4.08	2798.4.08	2594.4.08	2408.4.08	
HYDROGRAPH AT										
+	LVW12	.16	1	FLOW TIME	68.3.75	64.3.75	60.3.75	57.3.75	54.3.75	
2 COMBINED AT										
+	CLVW12	84.14	1	FLOW TIME	3276.4.08	3072.4.08	2835.4.08	2629.4.08	2442.4.08	
DIVERSION TO										
+	N	84.14	1	FLOW TIME	642.4.08	602.4.08	556.4.08	516.4.08	480.4.08	
HYDROGRAPH AT										
+	DLVW12	84.14	1	FLOW TIME	2634.4.08	2470.4.08	2279.4.08	2113.4.08	1962.4.08	
ROUTED TO										
+	RDLVW12	84.14	1	FLOW TIME	2613.4.17	2449.4.17	2262.4.17	2108.4.17	1955.4.17	
HYDROGRAPH AT										
+	LV99B-7	.43	1	FLOW TIME	159.3.83	152.3.83	143.3.83	135.3.83	128.3.92	
2 COMBINED AT										
+	CLV99B-7	84.56	1	FLOW TIME	2748.4.08	2582.4.08	2378.4.17	2218.4.17	2059.4.17	
2 COMBINED AT										
+	2C99B-7	133.34	1	FLOW TIME	8623.4.17	8135.4.25	7546.4.25	7002.4.25	6506.4.33	
HYDROGRAPH AT										
+	OG04-C	.29	1	FLOW TIME	107.3.67	101.3.67	95.3.67	88.3.67	83.3.67	
DIVERSION TO										
+	DPD01	.29	1	FLOW TIME	106.3.67	100.3.67	94.3.67	87.3.67	82.3.67	
HYDROGRAPH AT										
+	DOG04-C	.29	1	FLOW	1.	1.	1.	1.	1.	

+	RCCY04A	.83	1	FLOW TIME	295. 3.92	280. 4.00	256. 4.00	240. 4.00	223. 4.00
	HYDROGRAPH AT								
+	PD04B-C	.47	1	FLOW TIME	117. 3.92	110. 3.92	102. 3.92	95. 3.92	88. 3.92
	2 COMBINED AT								
+	CPD04B-C	1.30	1	FLOW TIME	412. 3.92	390. 4.00	357. 4.00	335. 4.00	311. 4.00
	2 COMBINED AT								
+	CCPD04BC	2.49	1	FLOW TIME	412. 3.92	390. 4.00	357. 4.00	335. 4.00	311. 4.00
	ROUTED TO								
+	RCPD04B	2.49	1	FLOW TIME	412. 4.00	389. 4.00	356. 4.00	333. 4.00	309. 4.00
	HYDROGRAPH AT								
+	OG03-C	.32	1	FLOW TIME	91. 3.75	85. 3.75	79. 3.75	73. 3.75	67. 3.75
	ROUTED TO								
+	ROG03-C	.32	1	FLOW TIME	91. 3.92	86. 3.92	79. 3.92	73. 3.92	68. 3.92
	HYDROGRAPH AT								
+	OG02-C	.32	1	FLOW TIME	115. 3.75	109. 3.75	101. 3.75	95. 3.75	89. 3.75
	ROUTED TO								
+	ROG02-C	.32	1	FLOW TIME	113. 3.75	107. 3.75	100. 3.75	93. 3.75	87. 3.83
	HYDROGRAPH AT								
+	LM01-C	.33	1	FLOW TIME	65. 3.83	60. 3.83	54. 3.83	49. 3.83	45. 3.83
	2 COMBINED AT								
+	CLM01-C	.64	1	FLOW TIME	177. 3.83	166. 3.83	153. 3.83	142. 3.83	132. 3.83
	ROUTED TO								
+	RCLM01-C	.64	1	FLOW TIME	176. 3.83	166. 3.83	153. 3.83	141. 3.83	131. 3.83
	HYDROGRAPH AT								
+	SR00A-C	.37	1	FLOW TIME	81. 3.83	75. 3.83	69. 3.83	63. 3.83	58. 3.83
	2 COMBINED AT								
+	CSR00A	1.01	1	FLOW TIME	257. 3.83	241. 3.83	222. 3.83	204. 3.83	189. 3.83
	2 COMBINED AT								
+	CCSR00A	1.34	1	FLOW TIME	343. 3.83	321. 3.83	296. 3.92	274. 3.92	255. 3.92
	ROUTED TO								
+	RCSR00A	1.34	1	FLOW TIME	343. 3.92	321. 3.92	297. 3.92	274. 3.92	255. 3.92
	HYDROGRAPH AT								
+	SR02E-C	.30	1	FLOW TIME	81. 3.75	76. 3.75	70. 3.75	65. 3.75	60. 3.75
	2 COMBINED AT								
+	CSR02E	1.64	1	FLOW TIME	417. 3.92	391. 3.92	361. 3.92	333. 3.92	310. 3.92
	ROUTED TO								
+	RCSR02E	1.64	1	FLOW TIME	415. 3.92	390. 3.92	359. 3.92	329. 3.92	306. 4.00
	HYDROGRAPH AT								
+	SR05D-C	.30	1	FLOW TIME	85. 3.92	80. 3.92	75. 3.92	70. 3.92	65. 3.92
	2 COMBINED AT								
+	CSR05D	1.94	1	FLOW TIME	500. 3.92	470. 3.92	433. 3.92	398. 3.92	370. 4.00
	ROUTED TO								
+	RCSR05D	1.94	1	FLOW TIME	494. 3.92	464. 3.92	428. 4.00	396. 4.00	369. 4.00
	HYDROGRAPH AT								
+	SR05B-C	.36	1	FLOW TIME	92. 4.08	87. 4.08	81. 4.08	76. 4.08	71. 4.08
	2 COMBINED AT								
+	CSR05B	2.30	1	FLOW TIME	585. 4.00	549. 4.00	508. 4.00	471. 4.00	439. 4.00

2 COMBINED AT										
+	CCSR05B	4.79	1	FLOW TIME	997.4.00	939.4.00	864.4.00	804.4.00	749.4.00	
ROUTED TO										
+	RCCSR05B	4.79	1	FLOW TIME	994.4.00	935.4.00	859.4.00	798.4.00	741.4.00	
HYDROGRAPH AT										
+	B1-C	.27	1	FLOW TIME	106.3.83	101.3.83	95.3.83	90.3.83	85.3.83	
2 COMBINED AT										
+	CB1-C	5.06	1	FLOW TIME	1092.4.00	1028.4.00	948.4.00	882.4.00	821.4.00	
ROUTED TO										
+	RCB1-C	5.06	1	FLOW TIME	1087.4.00	1020.4.00	937.4.00	872.4.08	814.4.08	
HYDROGRAPH AT										
+	A1-C1	.31	1	FLOW TIME	108.3.83	103.3.83	96.3.83	90.3.83	85.3.83	
HYDROGRAPH AT										
+	DA1-C	.00	1	FLOW TIME	211.4.17	208.4.25	193.4.25	180.4.25	167.4.25	
ROUTED TO										
+	RDA1-C	.00	1	FLOW TIME	211.4.25	206.4.25	191.4.33	178.4.33	167.4.33	
2 COMBINED AT										
+	CA1-C	.31	1	FLOW TIME	287.4.17	272.4.17	252.4.25	234.4.25	218.4.25	
HYDROGRAPH AT										
+	FN2-C	.21	1	FLOW TIME	82.3.75	78.3.75	73.3.75	68.3.75	65.3.75	
ROUTED TO										
+	RFN2-C	.21	1	FLOW TIME	82.3.92	77.3.92	73.3.92	68.3.92	64.3.92	
2 COMBINED AT										
+	CCA1-C	.52	1	FLOW TIME	356.4.08	335.4.17	311.4.17	289.4.17	270.4.17	
ROUTED TO										
+	RCCA-1C	.52	1	FLOW TIME	355.4.17	335.4.17	310.4.25	289.4.25	269.4.25	
HYDROGRAPH AT										
+	DCENTRAL	.00	1	FLOW TIME	1.2.67	1.3.08	1.3.17	1.3.25	1.3.33	
ROUTED TO										
+	RDCENTRA	.00	1	FLOW TIME	1.4.33	1.4.42	1.4.50	1.5.08	1.5.17	
HYDROGRAPH AT										
+	FN5-C	.48	1	FLOW TIME	132.4.00	124.4.00	116.4.00	108.4.00	101.4.00	
2 COMBINED AT										
+	CFN5-C	.48	1	FLOW TIME	132.4.00	124.4.00	116.4.00	108.4.00	101.4.00	
DIVERSION TO										
+	DR-C	.48	1	FLOW TIME	0.00	0.00	0.00	0.00	0.00	
HYDROGRAPH AT										
+	DFN5-C	.48	1	FLOW TIME	132.4.00	124.4.00	116.4.00	108.4.00	101.4.00	
ROUTED TO										
+	RDFN5-C	.48	1	FLOW TIME	132.4.00	124.4.00	116.4.00	108.4.08	101.4.08	
HYDROGRAPH AT										
+	B3-2	.31	1	FLOW TIME	115.3.75	109.3.75	102.3.75	96.3.75	91.3.75	
3 COMBINED AT										
+	CB3-2	1.31	1	FLOW TIME	567.4.08	535.4.08	496.4.08	461.4.08	430.4.08	
ROUTED TO										
+	RCB3-2	1.31	1	FLOW TIME	565.4.08	533.4.08	494.4.08	460.4.08	429.4.08	
HYDROGRAPH AT										
+	B3-1	.31	1	FLOW TIME	111.3.83	105.3.83	99.3.83	93.3.83	88.3.83	

2 COMBINED AT										
+	CB3-1	1.61	1	FLOW TIME	658.4.00	621.4.00	576.4.00	537.4.00	502.4.08	4.08
2 COMBINED AT										
+	CCB3-1	6.67	1	FLOW TIME	1745.4.00	1641.4.00	1514.4.00	1409.4.08	1316.4.08	4.08
HYDROGRAPH AT										
+	DR-C	.00	1	FLOW TIME	0.00	0.00	0.00	0.00	0.00	0.00
ROUTED TO										
+	RDR-C	.00	1	FLOW TIME	0.00	0.00	0.00	0.00	0.00	0.00
HYDROGRAPH AT										
+	R-C	.27	1	FLOW TIME	98.3.67	93.3.67	87.3.67	81.3.67	76.3.75	3.75
ROUTED TO										
+	RR-C	.27	1	FLOW TIME	98.3.75	93.3.75	86.3.75	81.3.75	76.3.75	3.75
2 COMBINED AT										
+	CR-C	.27	1	FLOW TIME	98.3.75	93.3.75	86.3.75	81.3.75	76.3.75	3.75
ROUTED TO										
+	RCR-C	.27	1	FLOW TIME	98.3.83	93.3.83	87.3.83	81.3.83	76.3.83	3.83
HYDROGRAPH AT										
+	R2-CA	.45	1	FLOW TIME	178.3.75	169.3.75	159.3.75	149.3.75	141.3.75	3.75
2 COMBINED AT										
+	CR2-CA	.71	1	FLOW TIME	273.3.75	259.3.75	242.3.75	227.3.75	214.3.75	3.75
HYDROGRAPH AT										
+	LM02-C	.29	1	FLOW TIME	71.3.75	66.3.75	60.3.75	55.3.75	51.3.75	3.75
ROUTED TO										
+	RLM02-C	.29	1	FLOW TIME	70.3.83	65.3.83	60.3.83	55.3.83	51.3.83	3.83
HYDROGRAPH AT										
+	LM03-C	.34	1	FLOW TIME	123.3.75	117.3.75	109.3.75	102.3.75	96.3.75	3.75
2 COMBINED AT										
+	CLM03-C	.63	1	FLOW TIME	192.3.75	181.3.75	168.3.75	156.3.75	146.3.75	3.75
ROUTED TO										
+	RCLM03-C	.63	1	FLOW TIME	191.3.83	180.3.83	167.3.83	155.3.83	145.3.83	3.83
HYDROGRAPH AT										
+	LM05-C	.37	1	FLOW TIME	110.3.75	103.3.75	96.3.75	89.3.75	83.3.75	3.75
2 COMBINED AT										
+	CLM05-C	1.00	1	FLOW TIME	299.3.83	282.3.83	261.3.83	243.3.83	227.3.83	3.83
HYDROGRAPH AT										
+	OG011AC2	.12	1	FLOW TIME	58.3.58	56.3.58	52.3.58	49.3.58	46.3.58	3.58
DIVERSION TO										
+	OG011AD	.12	1	FLOW TIME	45.3.50	45.3.50	45.3.58	45.3.58	45.3.58	3.58
HYDROGRAPH AT										
+	OG011D	.12	1	FLOW TIME	13.3.58	11.3.58	7.3.58	4.3.58	1.3.58	3.58
ROUTED TO										
+	ROG011D	.12	1	FLOW TIME	12.4.08	13.4.17	4.4.33	2.4.33	0.4.92	4.92
HYDROGRAPH AT										
+	OG011A-C	.31	1	FLOW TIME	53.3.83	48.3.83	43.3.83	39.3.83	35.3.83	3.83
ROUTED TO										
+	ROG011A	.31	1	FLOW TIME	53.4.00	49.4.00	44.4.00	39.4.00	35.4.00	4.00
HYDROGRAPH AT										
+	VG02-C	.24	1	FLOW	48.	45.	40.	37.	34.	

+		DFLOW	10.41	1	FLOW TIME	175. 6.67	166. 6.67	155. 6.75	148. 6.75	146. 6.67
	HYDROGRAPH AT									
+		DFLOW	10.41	1	FLOW TIME	0. .00	0. .00	0. .00	0. .00	0. .00
	HYDROGRAPH AT									
+		LM16A-C	.38	1	FLOW TIME	134. 3.75	127. 3.75	119. 3.75	111. 3.75	104. 3.75
	2 COMBINED AT									
+		CLM16A-C	10.79	1	FLOW TIME	134. 3.75	127. 3.75	119. 3.75	111. 3.75	104. 3.75
	ROUTED TO									
+		RCLM16A	10.79	1	FLOW TIME	132. 3.83	126. 3.83	117. 3.83	109. 3.83	103. 3.83
	HYDROGRAPH AT									
+		LM14-C	.34	1	FLOW TIME	80. 3.75	74. 3.75	68. 3.83	62. 3.83	57. 3.83
	2 COMBINED AT									
+		CLM14-C	11.13	1	FLOW TIME	211. 3.83	200. 3.83	185. 3.83	171. 3.83	160. 3.83
	ROUTED TO									
+		RCLM14	11.13	1	FLOW TIME	210. 3.83	198. 3.83	182. 3.92	169. 3.92	158. 3.83
	HYDROGRAPH AT									
+		LM19	.26	1	FLOW TIME	53. 3.92	50. 3.92	45. 3.92	42. 3.92	38. 3.92
	ROUTED TO									
+		RLM19	.26	1	FLOW TIME	54. 4.17	50. 4.17	45. 4.17	42. 4.17	38. 4.25
	HYDROGRAPH AT									
+		LM20-C	.38	1	FLOW TIME	96. 3.83	90. 3.83	82. 3.83	76. 3.83	70. 3.83
	3 COMBINED AT									
+		CLM20-C	11.77	1	FLOW TIME	334. 3.92	315. 3.92	290. 3.92	267. 3.92	246. 3.92
	ROUTED TO									
+		RCLM20	11.77	1	FLOW TIME	334. 3.92	313. 3.92	288. 3.92	265. 3.92	245. 3.92
	HYDROGRAPH AT									
+		DVG20C	.00	1	FLOW TIME	164. 3.75	164. 3.75	164. 3.83	164. 3.83	164. 4.00
	ROUTED TO									
+		RDVG20C	.00	1	FLOW TIME	168. 3.83	166. 3.92	168. 3.92	167. 4.00	164. 4.08
	HYDROGRAPH AT									
+		VG20-C	.31	1	FLOW TIME	75. 3.83	70. 3.83	65. 3.83	60. 3.83	55. 3.92
	2 COMBINED AT									
+		CVG20-C	.31	1	FLOW TIME	243. 3.83	236. 3.92	232. 3.92	224. 4.00	216. 4.00
	HYDROGRAPH AT									
+		LM09-C	.46	1	FLOW TIME	178. 3.67	169. 3.67	158. 3.67	148. 3.67	139. 3.67
	DIVERSION TO									
+		DHOLLY	.46	1	FLOW TIME	1. 3.25	1. 3.25	1. 3.25	1. 3.33	1. 3.33
	HYDROGRAPH AT									
+		DLM09-C	.46	1	FLOW TIME	177. 3.67	168. 3.67	157. 3.67	147. 3.67	138. 3.67
	ROUTED TO									
+		RDLM09-C	.46	1	FLOW TIME	177. 3.75	168. 3.75	157. 3.75	147. 3.75	138. 3.75
	2 COMBINED AT									
+		CCVG20-C	.76	1	FLOW TIME	418. 3.83	401. 3.83	376. 3.83	355. 3.92	331. 3.92
	DIVERSION TO									
+		LV15	.76	1	FLOW TIME	0. .00	0. .00	0. .00	0. .00	0. .00
	HYDROGRAPH AT									
+		DCVG20-C	.76	1	FLOW TIME	418. 3.83	401. 3.83	376. 3.83	355. 3.92	331. 3.92

ROUTED TO									
+	RDCVG20C	.76	1	FLOW TIME	419. 3.92	400. 3.92	376. 4.00	356. 4.00	331. 4.00
HYDROGRAPH AT									
+	DHOLLY	.00	1	FLOW TIME	1. 3.25	1. 3.25	1. 3.25	1. 3.33	1. 3.33
ROUTED TO									
+	RDHOLLY	.00	1	FLOW TIME	1. 5.25	1. 5.25	1. 5.33	1. 5.33	1. 5.33
HYDROGRAPH AT									
+	LM16B-C	.38	1	FLOW TIME	95. 4.00	90. 4.00	83. 4.00	77. 4.00	72. 4.00
3 COMBINED AT									
+	CLM16B-C	1.14	1	FLOW TIME	512. 3.92	487. 3.92	459. 4.00	433. 4.00	403. 4.00
ROUTED TO									
+	RCLM16B	1.14	1	FLOW TIME	503. 4.00	486. 4.00	451. 4.08	432. 4.08	401. 4.08
HYDROGRAPH AT									
+	OG011AD	.00	1	FLOW TIME	45. 3.50	45. 3.50	45. 3.58	45. 3.58	45. 3.58
ROUTED TO									
+	ROG011AD	.00	1	FLOW TIME	46. 3.75	47. 3.75	47. 3.75	46. 3.75	46. 3.75
HYDROGRAPH AT									
+	WA01-C	.19	1	FLOW TIME	73. 3.67	69. 3.67	64. 3.67	60. 3.67	56. 3.67
2 COMBINED AT									
+	CWA01-C	.19	1	FLOW TIME	119. 3.67	114. 3.67	108. 3.67	101. 3.67	95. 3.75
ROUTED TO									
+	RWA01	.19	1	FLOW TIME	119. 3.92	114. 3.92	109. 3.92	103. 3.92	97. 3.92
HYDROGRAPH AT									
+	WA04-C	.20	1	FLOW TIME	51. 3.83	48. 3.83	45. 3.83	41. 3.83	38. 3.92
2 COMBINED AT									
+	CWA04-C	.39	1	FLOW TIME	170. 3.92	163. 3.92	153. 3.92	144. 3.92	136. 3.92
ROUTED TO									
+	RCWA04	.39	1	FLOW TIME	168. 4.00	158. 4.00	152. 4.00	141. 4.00	136. 4.00
HYDROGRAPH AT									
+	WA09-C	.10	1	FLOW TIME	38. 3.75	36. 3.75	34. 3.75	32. 3.75	30. 3.75
2 COMBINED AT									
+	CWA09-C	.49	1	FLOW TIME	199. 3.92	186. 4.00	178. 4.00	166. 4.00	159. 4.00
ROUTED TO									
+	RCWA09	.49	1	FLOW TIME	198. 4.00	186. 4.00	178. 4.00	165. 4.00	159. 4.00
HYDROGRAPH AT									
+	WA10-C	.45	1	FLOW TIME	133. 3.75	126. 3.75	116. 3.75	108. 3.75	100. 3.75
DIVERSION TO									
+	WA10SE	.45	1	FLOW TIME	133. 3.75	126. 3.75	116. 3.75	108. 3.75	100. 3.75
HYDROGRAPH AT									
+	WA10D	.45	1	FLOW TIME	0. .00	0. .00	0. .00	0. .00	0. .00
2 COMBINED AT									
+	CWA10NW	.94	1	FLOW TIME	198. 4.00	186. 4.00	178. 4.00	165. 4.00	159. 4.00
ROUTED TO									
+	RCWA10NW	.94	1	FLOW TIME	198. 4.00	184. 4.00	174. 4.00	162. 4.08	157. 4.08
HYDROGRAPH AT									
+	WA13-C	.33	1	FLOW TIME	132. 3.67	125. 3.67	117. 3.67	109. 3.67	102. 3.67
2 COMBINED AT									
+	CWA13-C	1.27	1	FLOW TIME	273. 4.00	255. 4.00	241. 4.00	223. 4.00	212. 4.00

DIVERSION TO										
+	WA13SE	1.27	1	FLOW TIME	166.4.00	155.4.00	146.4.00	135.4.00	128.4.00	
HYDROGRAPH AT										
+	DCWA13	1.27	1	FLOW TIME	108.4.00	101.4.00	95.4.00	88.4.00	83.4.00	
HYDROGRAPH AT										
+	LV15	.00	1	FLOW TIME	0.00	0.00	0.00	0.00	0.00	
ROUTED TO										
+	RLV15	.00	1	FLOW TIME	0.00	0.00	0.00	0.00	0.00	
2 COMBINED AT										
+	CCWA13-C	1.27	1	FLOW TIME	108.4.00	101.4.00	95.4.00	88.4.00	83.4.00	
ROUTED TO										
+	RCWA13	1.27	1	FLOW TIME	107.4.08	101.4.08	95.4.08	88.4.08	83.4.08	
HYDROGRAPH AT										
+	WA15A-C	.37	1	FLOW TIME	91.4.00	86.4.00	79.4.00	74.4.00	69.4.00	
2 COMBINED AT										
+	CWA15A-C	1.65	1	FLOW TIME	198.4.00	186.4.00	173.4.08	160.4.08	151.4.08	
HYDROGRAPH AT										
+	VG07	.26	1	FLOW TIME	41.3.92	38.3.92	34.3.92	30.3.92	28.3.92	
ROUTED TO										
+	RVG07	.26	1	FLOW TIME	41.4.00	38.4.00	34.4.00	30.4.00	27.4.08	
2 COMBINED AT										
+	CVG07	1.91	1	FLOW TIME	239.4.00	224.4.00	207.4.08	191.4.08	178.4.08	
ROUTED TO										
+	RCVG07	1.91	1	FLOW TIME	239.4.08	224.4.08	207.4.08	190.4.17	178.4.17	
HYDROGRAPH AT										
+	WA20-C	.53	1	FLOW TIME	130.4.00	123.4.08	114.4.08	106.4.08	99.4.08	
2 COMBINED AT										
+	CWA20-C	2.44	1	FLOW TIME	369.4.08	347.4.08	320.4.08	296.4.08	275.4.08	
ROUTED TO										
+	RCWA20-C	2.44	1	FLOW TIME	368.4.08	345.4.08	318.4.17	295.4.17	275.4.17	
HYDROGRAPH AT										
+	VG10-C	.39	1	FLOW TIME	94.3.92	88.3.92	81.3.92	75.3.92	70.3.92	
2 COMBINED AT										
+	CVG10-C	2.82	1	FLOW TIME	456.4.08	428.4.08	395.4.08	364.4.08	338.4.08	
2 COMBINED AT										
+	CCVG10	3.96	1	FLOW TIME	954.4.00	909.4.00	846.4.08	796.4.08	739.4.08	
DIVERSION TO										
+	DRAILRD	3.96	1	FLOW TIME	477.4.00	454.4.00	423.4.08	398.4.08	369.4.08	
HYDROGRAPH AT										
+	DCCVG10	3.96	1	FLOW TIME	477.4.00	454.4.00	423.4.08	398.4.08	369.4.08	
ROUTED TO										
+	RDCCVG10	3.96	1	FLOW TIME	476.4.08	454.4.08	423.4.08	395.4.08	368.4.17	
HYDROGRAPH AT										
+	VG24-C	.48	1	FLOW TIME	141.3.92	133.3.92	124.3.92	116.3.92	108.3.92	
2 COMBINED AT										
+	CVG24	4.44	1	FLOW TIME	605.4.00	575.4.08	535.4.08	500.4.08	465.4.08	
HYDROGRAPH AT										
+	DRAILRD	.00	1	FLOW	477.4.00	454.4.00	423.4.08	398.4.08	369.4.08	

+		CLV1D-4	18.57	1	FLOW TIME	2003.4.08	1888.4.08	1752.4.08	1618.4.08	1517.4.08
	HYDROGRAPH AT									
+		LV1D-1	.25	1	FLOW TIME	126.3.58	120.3.58	112.3.58	106.3.58	100.3.58
	ROUTED TO									
+		RLV1D-1	.25	1	FLOW TIME	125.3.75	120.3.75	113.3.75	106.3.75	101.3.75
	HYDROGRAPH AT									
+		LV1D-2	.19	1	FLOW TIME	112.3.58	107.3.58	101.3.58	95.3.58	90.3.58
	2 COMBINED AT									
+		CLV1D-2	.45	1	FLOW TIME	212.3.58	201.3.58	189.3.58	177.3.58	167.3.58
	ROUTED TO									
+		RCLV1D-2	.45	1	FLOW TIME	208.3.67	197.3.67	184.3.67	173.3.67	165.3.67
	HYDROGRAPH AT									
+		LV1D-5	.35	1	FLOW TIME	154.3.67	147.3.67	138.3.67	129.3.67	122.3.67
	2 COMBINED AT									
+		CLV1D-5	.80	1	FLOW TIME	363.3.67	344.3.67	322.3.67	303.3.67	287.3.67
	2 COMBINED AT									
+		2CLV1D-5	19.37	1	FLOW TIME	2201.4.00	2070.4.00	1918.4.08	1775.4.08	1667.4.08
	ROUTED TO									
+		RCLV1D-5	19.37	1	FLOW TIME	2194.4.08	2067.4.08	1917.4.08	1770.4.08	1662.4.08
	HYDROGRAPH AT									
+		LV1E-1	.45	1	FLOW TIME	199.3.67	189.3.67	178.3.67	167.3.67	158.3.67
	ROUTED TO									
+		RLV1E-1	.45	1	FLOW TIME	193.3.67	184.3.67	173.3.67	162.3.67	153.3.67
	HYDROGRAPH AT									
+		LV1E-2	.25	1	FLOW TIME	116.3.67	111.3.67	105.3.67	99.3.67	94.3.67
	2 COMBINED AT									
+		CLV1E-2	.71	1	FLOW TIME	310.3.67	295.3.67	278.3.67	261.3.67	246.3.67
	ROUTED TO									
+		RCLV1E-2	.71	1	FLOW TIME	307.3.75	293.3.75	275.3.75	259.3.75	245.3.75
	HYDROGRAPH AT									
+		LV1E-3	.19	1	FLOW TIME	107.3.58	103.3.58	97.3.58	92.3.58	88.3.58
	2 COMBINED AT									
+		CLV1E-3	.90	1	FLOW TIME	397.3.67	379.3.67	356.3.67	335.3.67	317.3.67
	2 COMBINED AT									
+		2CLV1E-3	20.27	1	FLOW TIME	2439.4.00	2295.4.00	2122.4.08	1965.4.08	1847.4.08
	ROUTED TO									
+		RCLV1E-3	20.27	1	FLOW TIME	2427.4.08	2286.4.08	2119.4.08	1958.4.08	1840.4.08
	2 COMBINED AT									
+		3C99B-7	153.61	1	FLOW TIME	10980.4.17	10326.4.17	9540.4.17	8856.4.25	8255.4.25
	ROUTED TO									
+		R3C99B-7	153.61	1	FLOW TIME	10936.4.17	10278.4.17	9528.4.25	8845.4.25	8235.4.25
	HYDROGRAPH AT									
+		LW1A-5	.31	1	FLOW TIME	102.3.67	96.3.67	89.3.67	82.3.67	77.3.67
	2 COMBINED AT									
+		CHYPKIN	153.92	1	FLOW TIME	10988.4.17	10327.4.17	9567.4.25	8881.4.25	8269.4.25
	ROUTED TO									
+		CHYPEAK	153.92	1	FLOW TIME	7218.5.67	7041.5.67	6833.5.67	6652.5.58	6497.5.50

			** PEAK STAGES IN FEET **						
			1	STAGE	83.38	81.19	78.60	76.36	74.43
			TIME	5.67	5.67	5.67	5.58	5.50	
ROUTED TO									
+	CHYPKOT	153.92	1	FLOW	7218.	7039.	6833.	6651.	6496.
				TIME	5.75	5.67	5.67	5.58	5.58
HYDROGRAPH AT									
+	N	.00	1	FLOW	642.	602.	556.	516.	480.
				TIME	4.08	4.08	4.08	4.08	4.08
ROUTED TO									
+	RN	.00	1	FLOW	640.	601.	556.	517.	481.
				TIME	4.17	4.25	4.25	4.25	4.25
HYDROGRAPH AT									
+	LW100	.28	1	FLOW	68.	64.	59.	55.	51.
				TIME	3.92	3.92	3.92	3.92	3.92
2 COMBINED AT									
+	CLW100	.28	1	FLOW	697.	653.	600.	558.	519.
				TIME	4.17	4.17	4.17	4.25	4.25
2 COMBINED AT									
+	2CLW100	154.20	1	FLOW	7630.	7441.	7220.	7026.	6871.
				TIME	5.50	5.50	5.50	5.42	4.33
ROUTED TO									
+	R2CLW100	154.20	1	FLOW	7629.	7440.	7220.	7024.	6871.
				TIME	5.50	5.50	5.50	5.42	4.33
HYDROGRAPH AT									
+	LW1A-2	.19	1	FLOW	60.	56.	51.	47.	44.
				TIME	3.67	3.67	3.67	3.67	3.67
ROUTED TO									
+	RLW1A-2	.19	1	FLOW	59.	56.	52.	48.	44.
				TIME	4.00	4.00	4.00	4.00	4.00
HYDROGRAPH AT									
+	LW1A-4	.47	1	FLOW	113.	106.	98.	90.	84.
				TIME	3.92	3.92	3.92	3.92	3.92
3 COMBINED AT									
+	CLW1A-4	154.86	1	FLOW	7708.	7518.	7296.	7099.	6965.
				TIME	5.42	5.42	5.42	5.42	4.25
HYDROGRAPH AT									
+	LW075-5	.58	1	FLOW	296.	282.	266.	251.	237.
				TIME	3.58	3.58	3.58	3.58	3.58
ROUTED TO									
+	RLW075-5	.58	1	FLOW	268.	256.	241.	228.	216.
				TIME	3.83	3.83	3.83	3.83	3.83
HYDROGRAPH AT									
+	LW075-4	.45	1	FLOW	95.	88.	80.	73.	67.
				TIME	3.83	3.83	3.83	3.83	3.83
2 COMBINED AT									
+	CLW075-4	1.03	1	FLOW	362.	344.	321.	301.	282.
				TIME	3.83	3.83	3.83	3.83	3.83
2 COMBINED AT									
+	2CLW1A-4	155.89	1	FLOW	7846.	7654.	7431.	7234.	7139.
				TIME	5.33	5.33	5.25	5.25	4.08
ROUTED TO									
+	RCLW1A-4	155.89	1	FLOW	7845.	7653.	7429.	7232.	7138.
				TIME	5.33	5.33	5.33	5.25	4.17
HYDROGRAPH AT									
+	LW1A-1	.31	1	FLOW	96.	89.	81.	75.	69.
				TIME	3.58	3.58	3.58	3.58	3.58
ROUTED TO									
+	RLW1A-1	.31	1	FLOW	96.	89.	82.	75.	68.
				TIME	3.92	3.92	3.92	3.92	3.92
HYDROGRAPH AT									
+	LW1A-3	.28	1	FLOW	60.	57.	52.	48.	45.
				TIME	4.08	4.08	4.08	4.08	4.08
2 COMBINED AT									
+	CLW1A-3	.59	1	FLOW	153.	143.	131.	120.	111.
				TIME	3.92	3.92	3.92	3.92	4.00
2 COMBINED AT									
+	2CLW1A-3	156.48	1	FLOW	7938.	7742.	7517.	7316.	7229.
				TIME	5.33	5.25	5.25	5.25	4.08
ROUTED TO									
+	RCLW1A-3	156.48	1	FLOW	7936.	7741.	7514.	7311.	7222.
				TIME	5.33	5.33	5.33	5.33	4.17

HYDROGRAPH AT										
+	LW64-4	.36	1	FLOW TIME	89.	83.	77.	71.	66.	
					3.92	3.92	3.92	3.92	3.92	3.92
2 COMBINED AT										
+	CLW64-4	156.84	1	FLOW TIME	7985.	7787.	7558.	7369.	7278.	
					5.33	5.33	5.33	4.17	4.17	
HYDROGRAPH AT										
+	A-C	.25	1	FLOW TIME	101.	96.	89.	83.	78.	
					3.67	3.67	3.67	3.67	3.67	
ROUTED TO										
+	RA-C	.25	1	FLOW TIME	103.	97.	91.	84.	79.	
					3.83	3.83	3.83	3.83	3.83	
HYDROGRAPH AT										
+	B-C1	.31	1	FLOW TIME	123.	117.	111.	105.	99.	
					3.83	3.83	3.83	3.83	3.83	
2 COMBINED AT										
+	CB-C	.56	1	FLOW TIME	226.	215.	201.	189.	178.	
					3.83	3.83	3.83	3.83	3.83	
ROUTED TO										
+	RCB-C	.56	1	FLOW TIME	220.	210.	197.	186.	176.	
					3.92	3.92	3.92	3.92	3.92	
HYDROGRAPH AT										
+	LV1B-1	.33	1	FLOW TIME	85.	80.	73.	68.	63.	
					3.83	3.83	3.83	3.83	3.83	
2 COMBINED AT										
+	CLV1B-1	.89	1	FLOW TIME	304.	288.	268.	251.	237.	
					3.83	3.83	3.92	3.92	3.92	
ROUTED TO										
+	RLV1B-1	.89	1	FLOW TIME	302.	287.	267.	250.	235.	
					3.92	3.92	3.92	3.92	3.92	
HYDROGRAPH AT										
+	LV1B-2	.31	1	FLOW TIME	73.	68.	63.	58.	53.	
					3.83	3.83	3.83	3.83	3.83	
2 COMBINED AT										
+	CLV1B-2	1.20	1	FLOW TIME	374.	354.	329.	307.	287.	
					3.92	3.92	3.92	3.92	3.92	
2 COMBINED AT										
+	2CLV1B-2	158.04	1	FLOW TIME	8187.	7983.	7756.	7619.	7508.	
					5.25	5.25	4.08	4.08	4.17	
HYDROGRAPH AT										
+	FW01	.32	1	FLOW TIME	37.	34.	29.	27.	25.	
					3.83	3.83	5.00	5.00	5.00	
ROUTED TO										
+	RFW1	.32	1	FLOW TIME	37.	34.	29.	26.	24.	
					4.00	4.00	4.00	5.25	5.25	
HYDROGRAPH AT										
+	FW02	.24	1	FLOW TIME	39.	36.	32.	28.	26.	
					3.75	3.75	3.75	3.83	3.83	
2 COMBINED AT										
+	CFW2	.56	1	FLOW TIME	73.	66.	58.	51.	45.	
					3.92	3.92	3.92	4.00	4.00	
ROUTED TO										
+	RCFW2	.56	1	FLOW TIME	73.	66.	57.	50.	44.	
					4.08	4.08	4.08	4.08	4.17	
HYDROGRAPH AT										
+	FW03	.25	1	FLOW TIME	92.	87.	81.	76.	72.	
					3.75	3.75	3.75	3.75	3.75	
2 COMBINED AT										
+	CFW3	.82	1	FLOW TIME	144.	132.	118.	106.	96.	
					3.92	4.00	4.00	4.00	4.00	
ROUTED TO										
+	RCFW3	.82	1	FLOW TIME	144.	133.	118.	106.	95.	
					4.08	4.08	4.08	4.08	4.08	
HYDROGRAPH AT										
+	FW5	.52	1	FLOW TIME	164.	155.	145.	136.	128.	
					3.92	3.92	3.92	3.92	3.92	
2 COMBINED AT										
+	CFW5	1.34	1	FLOW TIME	302.	282.	257.	236.	218.	
					4.00	4.00	4.00	4.00	3.92	
DIVERSION TO										
+	DFW11	1.34	1	FLOW	210.	210.	210.	210.	210.	

+		ED02	.31	1	FLOW TIME	94. 3.75	88. 3.83	82. 3.83	76. 3.83	71. 3.83
	HYDROGRAPH AT									
+		ED11	.24	1	FLOW TIME	60. 3.75	56. 3.75	51. 3.75	47. 3.75	43. 3.75
	HYDROGRAPH AT									
+		ED12	.20	1	FLOW TIME	73. 3.75	69. 3.75	65. 3.75	61. 3.75	57. 3.75
	2 COMBINED AT									
+		CED12	.44	1	FLOW TIME	133. 3.75	125. 3.75	116. 3.75	107. 3.75	100. 3.75
	ROUTED TO									
+		RCED12	.44	1	FLOW TIME	134. 3.92	126. 3.92	116. 3.92	107. 4.00	100. 4.00
	HYDROGRAPH AT									
+		ED13	.21	1	FLOW TIME	80. 3.75	76. 3.75	71. 3.75	67. 3.75	63. 3.75
	2 COMBINED AT									
+		CED13	.65	1	FLOW TIME	205. 3.92	193. 3.92	180. 3.92	167. 3.92	156. 3.92
	ROUTED TO									
+		RCED13	.65	1	FLOW TIME	203. 3.92	191. 3.92	177. 3.92	164. 3.92	153. 3.92
	3 COMBINED AT									
+		CED02	1.21	1	FLOW TIME	353. 3.92	331. 3.92	306. 3.92	284. 3.92	264. 3.92
	ROUTED TO									
+		RCED02	1.21	1	FLOW TIME	348. 3.92	327. 4.00	303. 4.00	282. 4.00	263. 4.00
	HYDROGRAPH AT									
+		DCPS03	.00	1	FLOW TIME	100. 3.92	94. 3.92	87. 3.92	81. 3.92	75. 3.92
	ROUTED TO									
+		RDPS03	.00	1	FLOW TIME	100. 4.00	94. 4.00	87. 4.00	80. 4.00	75. 4.00
	3 COMBINED AT									
+		CCPS03	1.81	1	FLOW TIME	589. 3.92	554. 3.92	510. 3.92	472. 3.92	438. 3.92
	ROUTED TO									
+		RCCPS03	1.81	1	FLOW TIME	582. 4.00	548. 4.00	506. 4.00	469. 4.00	436. 4.00
	HYDROGRAPH AT									
+		PS06-C	.39	1	FLOW TIME	158. 3.67	150. 3.67	140. 3.67	131. 3.67	124. 3.67
	2 COMBINED AT									
+		CPS06	2.20	1	FLOW TIME	703. 3.92	660. 3.92	610. 3.92	565. 3.92	525. 3.92
	2 COMBINED AT									
+		CCPS06	4.88	1	FLOW TIME	1073. 3.92	994. 3.92	903. 4.00	821. 4.00	761. 3.92
	ROUTED TO									
+		RCCPS06	4.88	1	FLOW TIME	1070. 4.00	993. 4.00	901. 4.00	821. 4.00	756. 3.92
	HYDROGRAPH AT									
+		FW09	.25	1	FLOW TIME	109. 3.75	104. 3.75	98. 3.75	93. 3.75	88. 3.75
	DIVERSION TO									
+		DSM	.25	1	FLOW TIME	24. 3.75	22. 3.75	19. 3.75	17. 3.75	15. 3.75
	HYDROGRAPH AT									
+		DSPM	.25	1	FLOW TIME	85. 3.75	82. 3.75	79. 3.75	76. 3.75	73. 3.75
	ROUTED TO									
+		RDSPM	.25	1	FLOW TIME	84. 3.83	82. 3.83	78. 3.83	75. 3.83	72. 3.83
	HYDROGRAPH AT									
+		CE3FD-C	.28	1	FLOW TIME	115. 3.83	110. 3.83	104. 3.83	98. 3.83	93. 3.83
	2 COMBINED AT									
+		CCE3FD-C	.54	1	FLOW TIME	199. 3.83	192. 3.83	182. 3.83	173. 3.83	165. 3.83

ROUTED TO										
+	RCCE3FD	.54	1	FLOW TIME	199. 3.83	191. 3.83	182. 3.83	173. 3.83	165. 3.83	
2 COMBINED AT										
+	CRCPS06	5.41	1	FLOW TIME	1255. 3.92	1170. 3.92	1070. 3.92	984. 3.92	918. 3.92	
ROUTED TO										
+	RCRCPS06	5.41	1	FLOW TIME	1253. 4.00	1169. 4.00	1069. 4.00	981. 4.00	912. 3.92	
HYDROGRAPH AT										
+	PS08	.18	1	FLOW TIME	85. 3.67	81. 3.67	76. 3.67	72. 3.67	68. 3.67	
2 COMBINED AT										
+	CPS08	5.59	1	FLOW TIME	1296. 4.00	1210. 4.00	1108. 4.00	1020. 3.92	952. 3.92	
HYDROGRAPH AT										
+	ED05-C	.44	1	FLOW TIME	144. 3.92	137. 3.92	128. 3.92	120. 3.92	113. 3.92	
ROUTED TO										
+	RED05-C	.44	1	FLOW TIME	143. 3.92	136. 3.92	127. 3.92	120. 3.92	113. 3.92	
2 COMBINED AT										
+	CCPS08	6.03	1	FLOW TIME	1438. 4.00	1346. 4.00	1235. 4.00	1140. 3.92	1065. 3.92	
ROUTED TO										
+	RCCPS08	6.03	1	FLOW TIME	1438. 4.00	1345. 4.00	1235. 4.00	1138. 4.00	1060. 3.92	
HYDROGRAPH AT										
+	ED10-C	.22	1	FLOW TIME	88. 3.67	84. 3.67	78. 3.67	73. 3.67	69. 3.67	
2 COMBINED AT										
+	CED10-C	6.25	1	FLOW TIME	1492. 4.00	1397. 4.00	1284. 3.92	1187. 3.92	1110. 3.92	
ROUTED TO										
+	RCED10-C	6.25	1	FLOW TIME	1491. 4.00	1397. 4.00	1283. 4.00	1184. 4.00	1105. 3.92	
HYDROGRAPH AT										
+	SA06-C	.20	1	FLOW TIME	87. 3.75	83. 3.75	78. 3.75	74. 3.75	70. 3.75	
ROUTED TO										
+	RSA06-C	.20	1	FLOW TIME	87. 3.83	83. 3.83	78. 3.83	74. 3.83	70. 3.83	
HYDROGRAPH AT										
+	SA08	.22	1	FLOW TIME	111. 3.67	106. 3.67	100. 3.67	95. 3.67	90. 3.67	
2 COMBINED AT										
+	CSA08	.42	1	FLOW TIME	183. 3.67	175. 3.67	164. 3.75	155. 3.75	147. 3.75	
2 COMBINED AT										
+	CCSA08	6.67	1	FLOW TIME	1634. 3.92	1533. 3.92	1415. 3.92	1313. 3.92	1230. 3.92	
DIVERSION TO										
+	DSAHARA	6.67	1	FLOW TIME	817. 3.92	767. 3.92	708. 3.92	657. 3.92	615. 3.92	
HYDROGRAPH AT										
+	DCCSA08	6.67	1	FLOW TIME	817. 3.92	767. 3.92	708. 3.92	657. 3.92	615. 3.92	
ROUTED TO										
+	RCCSA08	6.67	1	FLOW TIME	815. 4.00	764. 4.00	705. 4.00	653. 4.00	611. 4.00	
HYDROGRAPH AT										
+	CH14-C	.17	1	FLOW TIME	60. 3.83	57. 3.83	53. 3.83	50. 3.83	47. 3.83	
ROUTED TO										
+	RCH14-C	.17	1	FLOW TIME	60. 3.92	57. 3.92	53. 3.92	50. 3.92	47. 3.92	
HYDROGRAPH AT										
+	OK09-C	.38	1	FLOW TIME	115. 4.00	110. 4.00	103. 4.00	96. 4.00	91. 4.00	
2 COMBINED AT										
+	COK09-C	.55	1	FLOW TIME	174. 3.92	165. 3.92	155. 3.92	145. 3.92	137. 3.92	

ROUTED TO										
+	RCOK09-C	.55	1	FLOW TIME	173. 4.00	164. 4.00	154. 4.00	145. 4.00	137. 4.00	
HYDROGRAPH AT										
+	OK10	.31	1	FLOW TIME	110. 3.75	104. 3.75	97. 3.75	91. 3.75	86. 3.75	
2 COMBINED AT										
+	COK10	.85	1	FLOW TIME	270. 3.92	257. 3.92	240. 3.92	225. 3.92	212. 3.92	
ROUTED TO										
+	RCOK10	.85	1	FLOW TIME	269. 3.92	256. 3.92	239. 3.92	224. 3.92	211. 3.92	
HYDROGRAPH AT										
+	OK11-C	.31	1	FLOW TIME	91. 3.92	86. 3.92	80. 3.92	75. 3.92	70. 3.92	
2 COMBINED AT										
+	1COK11C	1.16	1	FLOW TIME	360. 3.92	342. 3.92	319. 3.92	299. 3.92	281. 3.92	
2 COMBINED AT										
+	COK11C	7.83	1	FLOW TIME	1170. 4.00	1102. 4.00	1021. 4.00	949. 4.00	890. 3.92	
ROUTED TO										
+	RCOK11C	7.83	1	FLOW TIME	1167. 4.00	1099. 4.00	1019. 4.00	948. 4.00	889. 4.00	
HYDROGRAPH AT										
+	WAL1	.21	1	FLOW TIME	71. 3.67	67. 3.67	62. 3.67	58. 3.67	54. 3.67	
ROUTED TO										
+	RWAL1	.21	1	FLOW TIME	71. 3.92	67. 3.92	62. 3.92	58. 3.92	54. 3.92	
HYDROGRAPH AT										
+	WAL2	.25	1	FLOW TIME	65. 3.75	60. 3.75	55. 3.75	51. 3.75	47. 3.75	
2 COMBINED AT										
+	CWAL2	.45	1	FLOW TIME	133. 3.83	125. 3.83	115. 3.83	106. 3.83	98. 3.83	
2 COMBINED AT										
+	CCWAL2	8.28	1	FLOW TIME	1284. 4.00	1210. 4.00	1121. 4.00	1043. 4.00	978. 4.00	
ROUTED TO										
+	RCCWAL2	8.28	1	FLOW TIME	1281. 4.00	1205. 4.00	1117. 4.00	1040. 4.00	975. 4.00	
HYDROGRAPH AT										
+	CH50	.26	1	FLOW TIME	97. 3.92	92. 3.92	87. 3.92	83. 3.92	79. 3.92	
2 COMBINED AT										
+	CCH50	8.54	1	FLOW TIME	1376. 4.00	1296. 4.00	1203. 4.00	1121. 4.00	1052. 4.00	
HYDROGRAPH AT										
+	CH15-C	.24	1	FLOW TIME	93. 3.67	88. 3.67	82. 3.75	77. 3.75	73. 3.75	
ROUTED TO										
+	RCH15-C	.24	1	FLOW TIME	94. 3.92	90. 3.92	84. 3.92	79. 3.92	74. 3.92	
HYDROGRAPH AT										
+	CH18-C	.29	1	FLOW TIME	106. 3.67	100. 3.67	93. 3.67	87. 3.67	82. 3.75	
2 COMBINED AT										
+	CCH18-C	.53	1	FLOW TIME	187. 3.83	177. 3.83	165. 3.83	155. 3.83	145. 3.83	
ROUTED TO										
+	RCCH18-C	.53	1	FLOW TIME	187. 3.83	177. 3.83	165. 3.83	154. 3.83	144. 3.83	
HYDROGRAPH AT										
+	AL92	.43	1	FLOW TIME	83. 3.92	77. 3.92	70. 3.92	64. 3.92	58. 3.92	
DIVERSION TO										
+	DAL93	.43	1	FLOW TIME	32. 3.92	30. 3.92	27. 3.92	25. 3.92	23. 3.92	
HYDROGRAPH AT										
+	DAL92	.43	1	FLOW	51. 4.00	47. 4.00	43. 4.00	39. 4.00	36. 4.00	

+		C3-ELP-C	.88	1	FLOW TIME	268. 3.83	251. 3.83	232. 3.83	215. 3.83	199. 3.83
	ROUTED TO									
+		RC3-ELPC	.88	1	FLOW TIME	266. 3.83	250. 3.83	230. 3.83	213. 3.83	197. 3.83
	HYDROGRAPH AT									
+		3a-OAK-C	.43	1	FLOW TIME	125. 3.67	117. 3.67	107. 3.67	99. 3.67	91. 3.67
	2 COMBINED AT									
+		C3a-OAKC	1.32	1	FLOW TIME	372. 3.75	348. 3.75	320. 3.83	296. 3.83	274. 3.83
	ROUTED TO									
+		RC3aOAKC	1.32	1	FLOW TIME	370. 3.83	347. 3.83	320. 3.83	295. 3.83	273. 3.83
	HYDROGRAPH AT									
+		3-HOLM-C	.33	1	FLOW TIME	123. 3.75	117. 3.75	109. 3.75	102. 3.75	96. 3.75
	ROUTED TO									
+		R3-HOLMC	.33	1	FLOW TIME	123. 3.75	116. 3.75	109. 3.75	102. 3.75	96. 3.75
	HYDROGRAPH AT									
+		5-OAK-C	.23	1	FLOW TIME	83. 3.67	79. 3.67	73. 3.67	68. 3.67	63. 3.67
	2 COMBINED AT									
+		C5-OAK-C	.56	1	FLOW TIME	199. 3.67	188. 3.67	175. 3.67	163. 3.67	153. 3.67
	2 COMBINED AT									
+		OAKYIN	1.88	1	FLOW TIME	561. 3.75	526. 3.75	486. 3.75	449. 3.75	416. 3.75
	ROUTED TO									
+		OAKYDB	1.88	1	FLOW TIME	26. 6.33	26. 6.33	25. 6.33	25. 6.33	24. 6.33
	** PEAK STAGES IN FEET **									
	1	STAGE				38.74	38.33	37.82	37.32	36.88
		TIME				6.42	6.33	6.33	6.33	6.33
	ROUTED TO									
+		OAKYOT	1.88	1	FLOW TIME	26. 6.58	26. 6.58	25. 6.58	25. 6.50	24. 6.50
	HYDROGRAPH AT									
+		SA01-C	.26	1	FLOW TIME	123. 3.67	117. 3.67	111. 3.67	105. 3.67	100. 3.67
	ROUTED TO									
+		RSA01-C	.26	1	FLOW TIME	125. 3.92	119. 3.92	113. 3.92	107. 3.92	102. 3.92
	HYDROGRAPH AT									
+		SA05	.18	1	FLOW TIME	79. 3.67	76. 3.67	71. 3.67	67. 3.67	64. 3.67
	2 COMBINED AT									
+		CSA05	.44	1	FLOW TIME	187. 3.83	178. 3.83	168. 3.83	159. 3.92	151. 3.92
	ROUTED TO									
+		RCSA05	.44	1	FLOW TIME	186. 3.92	177. 3.92	167. 3.92	158. 3.92	150. 3.92
	HYDROGRAPH AT									
+		SA06	.08	1	FLOW TIME	45. 3.58	43. 3.58	41. 3.58	38. 3.58	37. 3.58
	2 COMBINED AT									
+		CSA06	.52	1	FLOW TIME	207. 3.83	198. 3.92	187. 3.92	177. 3.92	168. 3.92
	HYDROGRAPH AT									
+		OK06-C	.17	1	FLOW TIME	71. 3.67	67. 3.67	63. 3.67	59. 3.67	56. 3.67
	ROUTED TO									
+		ROK06-C	.17	1	FLOW TIME	71. 3.92	68. 3.92	63. 3.92	59. 3.92	56. 3.92
	HYDROGRAPH AT									
+		OK07	.24	1	FLOW TIME	71. 3.75	67. 3.75	62. 3.75	57. 3.75	53. 3.75
	3 COMBINED AT									
+		COK07	.93	1	FLOW TIME	339. 3.83	322. 3.83	302. 3.92	284. 3.92	269. 3.92

ROUTED TO +	RCOK07	.93	1	FLOW TIME	338. 3.92	321. 3.92	302. 3.92	284. 3.92	268. 3.92
HYDROGRAPH AT +	OK03-C	.36	1	FLOW TIME	141. 3.67	134. 3.67	125. 3.67	117. 3.67	110. 3.67
ROUTED TO +	ROK03-C	.36	1	FLOW TIME	142. 3.92	135. 3.92	126. 3.92	119. 3.92	112. 3.92
HYDROGRAPH AT +	OK04-C	.20	1	FLOW TIME	51. 3.75	47. 3.75	43. 3.75	40. 3.75	37. 3.75
3 COMBINED AT +	COK04-C	1.49	1	FLOW TIME	526. 3.92	499. 3.92	467. 3.92	438. 3.92	413. 3.92
ROUTED TO +	RCOK04-C	1.49	1	FLOW TIME	525. 3.92	498. 3.92	466. 3.92	436. 3.92	411. 3.92
HYDROGRAPH AT +	OK08	.08	1	FLOW TIME	41. 3.58	39. 3.58	37. 3.58	35. 3.58	33. 3.58
2 COMBINED AT +	COK08	1.58	1	FLOW TIME	544. 3.92	517. 3.92	483. 3.92	453. 3.92	426. 3.92
2 COMBINED AT +	CCOK08	3.46	1	FLOW TIME	562. 3.92	534. 3.92	500. 3.92	469. 3.92	442. 3.92
ROUTED TO +	RCCOK08	3.46	1	FLOW TIME	560. 3.92	532. 3.92	495. 3.92	466. 3.92	437. 3.92
HYDROGRAPH AT +	CH04-C	.17	1	FLOW TIME	85. 3.67	81. 3.67	76. 3.67	72. 3.67	68. 3.67
ROUTED TO +	RCH04-C	.17	1	FLOW TIME	85. 3.67	81. 3.67	76. 3.67	72. 3.67	68. 3.67
HYDROGRAPH AT +	CH05-C	.16	1	FLOW TIME	77. 3.67	73. 3.67	69. 3.67	66. 3.67	62. 3.67
2 COMBINED AT +	CCH05-C	.34	1	FLOW TIME	162. 3.67	154. 3.67	146. 3.67	137. 3.67	130. 3.67
ROUTED TO +	RCCH05-C	.34	1	FLOW TIME	160. 3.75	151. 3.75	144. 3.75	137. 3.75	130. 3.75
HYDROGRAPH AT +	CH09-C	.38	1	FLOW TIME	148. 3.75	141. 3.75	132. 3.75	124. 3.75	117. 3.75
2 COMBINED AT +	CCH09-C	.72	1	FLOW TIME	308. 3.75	292. 3.75	276. 3.75	261. 3.75	247. 3.75
ROUTED TO +	RCCH09-C	.72	1	FLOW TIME	305. 3.75	289. 3.75	274. 3.75	258. 3.75	244. 3.75
HYDROGRAPH AT +	CH10	.28	1	FLOW TIME	144. 3.58	137. 3.58	129. 3.58	122. 3.58	116. 3.58
2 COMBINED AT +	CCH10	1.00	1	FLOW TIME	424. 3.67	403. 3.67	378. 3.67	355. 3.67	335. 3.75
ROUTED TO +	RCCH10	1.00	1	FLOW TIME	419. 3.75	398. 3.75	376. 3.75	355. 3.75	335. 3.75
HYDROGRAPH AT +	OK12	.05	1	FLOW TIME	33. 3.58	32. 3.58	30. 3.58	29. 3.58	27. 3.58
3 COMBINED AT +	COK12	4.50	1	FLOW TIME	947. 3.83	899. 3.83	841. 3.83	792. 3.83	745. 3.83
ROUTED TO +	RCOK12	4.50	1	FLOW TIME	945. 3.83	896. 3.83	839. 3.83	788. 3.83	740. 3.83

HYDROGRAPH AT +	CH14B	.22	1	FLOW TIME	80. 3.75	76. 3.75	71. 3.75	67. 3.75	63. 3.75
2 COMBINED AT +	CCH14B	4.72	1	FLOW TIME	1021. 3.83	968. 3.83	906. 3.83	851. 3.83	800. 3.83
ROUTED TO +	RCCH14B	4.72	1	FLOW TIME	1017. 3.83	964. 3.83	901. 3.83	845. 3.83	794. 3.83
HYDROGRAPH AT +	OK13	.10	1	FLOW TIME	40. 3.75	38. 3.75	36. 3.75	34. 3.75	32. 3.75
2 COMBINED AT +	COK13	4.82	1	FLOW TIME	1055. 3.83	1001. 3.83	936. 3.83	878. 3.83	825. 3.83
ROUTED TO +	RCOK13	4.82	1	FLOW TIME	1047. 3.83	992. 3.83	927. 3.83	872. 3.92	821. 3.92
HYDROGRAPH AT +	R1	.09	1	FLOW TIME	39. 3.58	37. 3.58	35. 3.58	33. 3.58	31. 3.58
ROUTED TO +	PR1	.09	1	FLOW TIME	26. 3.83	25. 3.83	23. 3.83	21. 3.83	20. 3.83
** PEAK STAGES IN FEET **									
	1	STAGE TIME	11.14 3.83	11.08 3.83	11.02 3.83	10.96 3.83	10.91 3.83		
ROUTED TO +	RPR1	.09	1	FLOW TIME	26. 4.00	25. 4.00	23. 4.00	22. 4.00	20. 4.00
HYDROGRAPH AT +	R3	.28	1	FLOW TIME	114. 3.67	109. 3.67	102. 3.67	95. 3.67	90. 3.67
HYDROGRAPH AT +	R2	.05	1	FLOW TIME	20. 3.58	19. 3.58	18. 3.58	16. 3.58	15. 3.58
3 COMBINED AT +	CR2	.41	1	FLOW TIME	148. 3.67	140. 3.67	131. 3.67	122. 3.67	115. 3.67
DIVERSION TO +	DAL00A	.41	1	FLOW TIME	0. .00	0. .00	0. .00	0. .00	0. .00
HYDROGRAPH AT +	DCR2	.41	1	FLOW TIME	148. 3.67	140. 3.67	131. 3.67	122. 3.67	115. 3.67
ROUTED TO +	RDCR2	.41	1	FLOW TIME	146. 3.75	138. 3.75	130. 3.75	121. 3.75	113. 3.75
HYDROGRAPH AT +	AL01A	.12	1	FLOW TIME	52. 3.67	49. 3.67	46. 3.67	43. 3.67	40. 3.67
2 COMBINED AT +	CAL01A	.53	1	FLOW TIME	192. 3.75	181. 3.75	171. 3.75	159. 3.75	149. 3.75
ROUTED TO +	RCAL01A	.53	1	FLOW TIME	191. 3.75	181. 3.75	170. 3.75	159. 3.75	148. 3.75
HYDROGRAPH AT +	US	.03	1	FLOW TIME	15. 3.58	14. 3.58	13. 3.58	12. 3.58	12. 3.58
2 COMBINED AT +	CUS	.56	1	FLOW TIME	200. 3.75	189. 3.75	178. 3.75	166. 3.75	155. 3.75
HYDROGRAPH AT +	AL04-C	.18	1	FLOW TIME	65. 3.75	61. 3.75	57. 3.75	54. 3.75	50. 3.75
ROUTED TO +	RAL04-C	.18	1	FLOW TIME	64. 3.75	61. 3.75	57. 3.75	53. 3.75	50. 3.75
2 COMBINED AT +	CCUS	.74	1	FLOW	264.	250.	235.	219.	205.

+		RAL14	.46	1	FLOW TIME	163. 3.92	156. 3.92	146. 3.92	138. 3.92	131. 4.00	
	HYDROGRAPH AT										
+		AL16	.15	1	FLOW TIME	62. 3.67	59. 3.67	55. 3.67	52. 3.67	49. 3.67	
	3 COMBINED AT										
+		1CAL16	2.09	1	FLOW TIME	732. 3.83	696. 3.83	652. 3.83	612. 3.83	576. 3.83	
	HYDROGRAPH AT										
+		AL09	.10	1	FLOW TIME	39. 3.67	37. 3.67	35. 3.67	32. 3.67	30. 3.67	
	ROUTED TO										
+		RAL09	.10	1	FLOW TIME	39. 3.75	37. 3.75	35. 3.75	32. 3.75	30. 3.75	
	HYDROGRAPH AT										
+		CH14A	.15	1	FLOW TIME	51. 3.75	48. 3.75	45. 3.75	42. 3.75	39. 3.75	
	2 COMBINED AT										
+		CCH14A	.25	1	FLOW TIME	90. 3.75	85. 3.75	79. 3.75	74. 3.75	69. 3.75	
	ROUTED TO										
+		RCCH14A	.25	1	FLOW TIME	88. 3.75	84. 3.75	78. 3.75	73. 3.75	68. 3.75	
	2 COMBINED AT										
+		CAL16	2.33	1	FLOW TIME	818. 3.83	778. 3.83	729. 3.83	684. 3.83	644. 3.83	
	ROUTED TO										
+		RCAL16	2.33	1	FLOW TIME	817. 3.83	776. 3.83	727. 3.83	682. 3.83	642. 3.83	
	2 COMBINED AT										
+		CCAL16	7.15	1	FLOW TIME	1865. 3.83	1768. 3.83	1654. 3.83	1551. 3.83	1457. 3.83	
	ROUTED TO										
+		RCCAL16	7.15	1	FLOW TIME	1860. 3.83	1763. 3.83	1649. 3.83	1546. 3.83	1451. 3.83	
	HYDROGRAPH AT										
+		AL90-C	.17	1	FLOW TIME	70. 3.67	67. 3.67	62. 3.67	59. 3.67	55. 3.67	
	2 COMBINED AT										
+		CAL90-C	7.32	1	FLOW TIME	1924. 3.83	1824. 3.83	1706. 3.83	1599. 3.83	1502. 3.83	
	ROUTED TO										
+		RCAL90-C	7.32	1	FLOW TIME	1913. 3.83	1813. 3.83	1694. 3.83	1587. 3.83	1491. 3.92	
	HYDROGRAPH AT										
+		MEDB	.23	1	FLOW TIME	86. 3.58	81. 3.58	74. 3.58	69. 3.58	64. 3.58	
	2 COMBINED AT										
+		MEADOWIN	7.55	1	FLOW TIME	1961. 3.83	1857. 3.83	1736. 3.83	1626. 3.83	1526. 3.83	
	ROUTED TO										
+		MEADOWDB	7.55	1	FLOW TIME	879. 5.33	843. 5.33	801. 5.33	762. 5.33	727. 5.33	
	** PEAK STAGES IN FEET **										
				1	STAGE	2106.23	2105.88	2105.47	2105.10	2104.76	
					TIME	5.33	5.33	5.33	5.33	5.33	
	ROUTED TO										
+		MEADOWOT	7.55	1	FLOW TIME	879. 5.42	843. 5.42	801. 5.42	762. 5.42	727. 5.42	
	HYDROGRAPH AT										
+		DAL00A	.00	1	FLOW TIME	0. .00	0. .00	0. .00	0. .00	0. .00	
	ROUTED TO										
+		RDAL00A	.00	1	FLOW TIME	0. .00	0. .00	0. .00	0. .00	0. .00	
	HYDROGRAPH AT										
+		AL00A	.47	1	FLOW TIME	176. 3.75	166. 3.75	156. 3.75	146. 3.75	137. 3.75	
	HYDROGRAPH AT										
+		AL00A-C	.23	1	FLOW TIME	105. 3.67	100. 3.67	94. 3.67	89. 3.67	84. 3.67	

3 COMBINED AT										
+	RAINBWIN	.70	1	FLOW TIME	276. 3.67	262. 3.75	246. 3.75	231. 3.75	218. 3.75	
ROUTED TO										
+	RAINBWDB	.70	1	FLOW TIME	62. 5.42	60. 5.42	58. 5.42	56. 5.42	54. 5.42	
** PEAK STAGES IN FEET **										
			1	STAGE TIME	2369.12 5.42	2368.38 5.42	2367.49 5.42	2366.69 5.42	2365.98 5.42	
ROUTED TO										
+	RAINBWOT	.70	1	FLOW TIME	62. 5.42	60. 5.42	58. 5.42	56. 5.42	54. 5.42	
HYDROGRAPH AT										
+	LC01-C	.09	1	FLOW TIME	38. 3.67	36. 3.67	34. 3.67	32. 3.67	30. 3.67	
2 COMBINED AT										
+	CLC01-C	.79	1	FLOW TIME	80. 3.75	77. 5.00	74. 5.00	71. 5.00	69. 5.00	
ROUTED TO										
+	RCLC01-C	.79	1	FLOW TIME	80. 3.83	77. 3.83	74. 5.08	71. 5.08	69. 5.08	
HYDROGRAPH AT										
+	WA02-C	.27	1	FLOW TIME	106. 3.67	101. 3.75	94. 3.75	89. 3.75	84. 3.75	
2 COMBINED AT										
+	CWA02-C	1.06	1	FLOW TIME	184. 3.75	176. 3.75	165. 3.75	156. 3.75	148. 3.75	
HYDROGRAPH AT										
+	AL01B-C	.37	1	FLOW TIME	126. 3.75	119. 3.75	111. 3.75	104. 3.75	98. 3.75	
2 COMBINED AT										
+	CCWA02-C	1.43	1	FLOW TIME	310. 3.75	295. 3.75	277. 3.75	260. 3.75	246. 3.75	
ROUTED TO										
+	RCCWA02C	1.43	1	FLOW TIME	308. 3.83	293. 3.83	273. 3.83	259. 3.83	246. 3.83	
HYDROGRAPH AT										
+	LC11-C	.38	1	FLOW TIME	146. 3.75	138. 3.75	130. 3.75	122. 3.75	115. 3.75	
2 COMBINED AT										
+	CLC11-C	1.81	1	FLOW TIME	447. 3.83	425. 3.83	396. 3.83	375. 3.83	355. 3.83	
ROUTED TO										
+	RCLC11-C	1.81	1	FLOW TIME	446. 3.83	424. 3.83	396. 3.83	374. 3.83	354. 3.83	
HYDROGRAPH AT										
+	LC14-C	.32	1	FLOW TIME	108. 3.83	102. 3.83	95. 3.83	89. 3.83	84. 3.83	
2 COMBINED AT										
+	CLC14-C	2.13	1	FLOW TIME	554. 3.83	526. 3.83	491. 3.83	463. 3.83	438. 3.83	
HYDROGRAPH AT										
+	WA10SE	.00	1	FLOW TIME	133. 3.75	126. 3.75	116. 3.75	108. 3.75	100. 3.75	
ROUTED TO										
+	RWA10D	.00	1	FLOW TIME	131. 3.75	123. 3.83	114. 3.83	106. 3.83	98. 3.83	
2 COMBINED AT										
+	CCLC14-C	2.13	1	FLOW TIME	684. 3.83	649. 3.83	605. 3.83	568. 3.83	536. 3.83	
ROUTED TO										
+	RCCLC14	2.13	1	FLOW TIME	680. 3.83	642. 3.83	600. 3.83	564. 3.83	528. 3.92	
2 COMBINED AT										
+	CRMEDET	9.68	1	FLOW TIME	1327. 4.00	1267. 4.00	1195. 4.00	1135. 4.00	1079. 4.00	
ROUTED TO										
+	RCRMEDET	9.68	1	FLOW TIME	1323. 4.00	1264. 4.00	1193. 4.00	1131. 4.00	1077. 4.00	
HYDROGRAPH AT										
+	LC16-C	.31	1	FLOW TIME	98. 3.75	92. 3.75	85. 3.75	79. 3.75	74. 3.75	

HYDROGRAPH AT										
+	WA13SE	.00	1	FLOW TIME	166.	155.	146.	135.	128.	
					4.00	4.00	4.00	4.00	4.00	
ROUTED TO										
+	RWA13D	.00	1	FLOW TIME	164.	154.	144.	133.	127.	
					4.00	4.00	4.00	4.08	4.08	
2 COMBINED AT										
+	CLC16-C	.31	1	FLOW TIME	247.	232.	214.	197.	183.	
					3.83	3.83	3.83	3.83	3.83	
2 COMBINED AT										
+	CCLC16-C	10.00	1	FLOW TIME	1561.	1488.	1401.	1324.	1257.	
					4.00	4.00	4.00	4.00	4.00	
ROUTED TO										
+	RCCLC16	10.00	1	FLOW TIME	1554.	1482.	1395.	1319.	1253.	
					4.00	4.00	4.08	4.08	4.08	
HYDROGRAPH AT										
+	LC20-C	.17	1	FLOW TIME	58.	55.	51.	48.	45.	
					3.83	3.83	3.83	3.83	3.83	
2 COMBINED AT										
+	CLC20-C	10.17	1	FLOW TIME	1609.	1535.	1443.	1362.	1294.	
					4.00	4.00	4.00	4.08	4.00	
ROUTED TO										
+	RCLC20-C	10.17	1	FLOW TIME	1602.	1529.	1441.	1361.	1293.	
					4.08	4.08	4.08	4.08	4.08	
2 COMBINED AT										
+	CCAL93	20.80	1	FLOW TIME	3516.	3329.	3108.	2913.	2748.	
					4.00	4.00	4.00	4.08	4.08	
ROUTED TO										
+	RCCAL93	20.80	1	FLOW TIME	3499.	3316.	3102.	2904.	2738.	
					4.08	4.08	4.08	4.08	4.08	
HYDROGRAPH AT										
+	LC21	.60	1	FLOW TIME	229.	220.	208.	197.	187.	
					3.92	3.92	3.92	3.92	3.92	
2 COMBINED AT										
+	CLC21	21.39	1	FLOW TIME	3714.	3522.	3297.	3089.	2914.	
					4.08	4.08	4.08	4.08	4.08	
DIVERSION TO										
+	DLVOE	21.39	1	FLOW TIME	2870.	2870.	2870.	2870.	2870.	
					3.83	3.83	3.92	3.92	4.08	
HYDROGRAPH AT										
+	DCLC21	21.39	1	FLOW TIME	844.	652.	427.	219.	44.	
					4.08	4.08	4.08	4.08	4.08	
ROUTED TO										
+	RDLVOE	21.39	1	FLOW TIME	838.	636.	415.	226.	59.	
					4.08	4.08	4.17	4.17	4.33	
HYDROGRAPH AT										
+	H-C1	.29	1	FLOW TIME	128.	122.	114.	108.	102.	
					3.67	3.67	3.67	3.67	3.67	
2 COMBINED AT										
+	CH-C1	21.68	1	FLOW TIME	900.	695.	460.	269.	102.	
					4.08	4.08	4.17	4.17	3.67	
ROUTED TO										
+	RCH-C1	21.68	1	FLOW TIME	887.	665.	464.	278.	102.	
					4.17	4.17	4.17	4.33	3.75	
HYDROGRAPH AT										
+	E-C	.61	1	FLOW TIME	168.	158.	146.	135.	125.	
					3.75	3.75	3.75	3.75	3.75	
2 COMBINED AT										
+	CE-C	22.30	1	FLOW TIME	999.	770.	562.	347.	227.	
					4.17	4.17	4.17	4.33	3.75	
ROUTED TO										
+	RCE-C	22.30	1	FLOW TIME	990.	770.	551.	328.	224.	
					4.17	4.17	4.25	4.33	3.83	
HYDROGRAPH AT										
+	G	.23	1	FLOW TIME	49.	46.	42.	38.	35.	
					3.83	3.83	3.83	3.83	3.83	
2 COMBINED AT										
+	CG	22.53	1	FLOW TIME	1027.	804.	578.	351.	259.	
					4.17	4.17	4.25	4.33	3.83	
ROUTED TO										
+	RCG	22.53	1	FLOW	999.	791.	572.	338.	260.	

+		P-C	.31	1	FLOW TIME	86. 3.75	81. 3.75	74. 3.75	69. 3.75	64. 3.75
		2 COMBINED AT								
+		CP-C	1.74	1	FLOW TIME	3381. 4.00	3349. 4.00	3296. 4.00	3256. 4.08	3199. 4.17
		ROUTED TO								
+		RCP-C	1.74	1	FLOW TIME	3377. 4.00	3337. 4.00	3290. 4.08	3246. 4.08	3197. 4.17
		HYDROGRAPH AT								
+		Q-C	.26	1	FLOW TIME	62. 3.83	58. 3.83	53. 3.83	49. 3.83	45. 3.83
		2 COMBINED AT								
+		CQ-C	2.00	1	FLOW TIME	3432. 4.00	3389. 4.00	3333. 4.08	3286. 4.08	3229. 4.17
		ROUTED TO								
+		RCQ-C	2.00	1	FLOW TIME	3416. 4.08	3380. 4.08	3328. 4.08	3274. 4.17	3216. 4.17
		HYDROGRAPH AT								
+		LWV01-C	.24	1	FLOW TIME	51. 3.83	48. 3.83	44. 3.83	40. 3.83	37. 3.92
		2 COMBINED AT								
+		CLWV01-C	2.23	1	FLOW TIME	3461. 4.08	3422. 4.08	3367. 4.08	3306. 4.17	3246. 4.17
		2 COMBINED AT								
+		CCLWV01C	183.12	1	FLOW TIME	12368. 4.17	11954. 4.25	11482. 4.25	11187. 4.17	10998. 4.17
		ROUTED TO								
+		RCCLWV01	183.12	1	FLOW TIME	12343. 4.25	11943. 4.25	11470. 4.25	11177. 4.17	10952. 4.17
		HYDROGRAPH AT								
+		LW075-1	.21	1	FLOW TIME	90. 3.67	85. 3.67	80. 3.67	75. 3.67	71. 3.67
		ROUTED TO								
+		RLW075-1	.21	1	FLOW TIME	89. 3.83	85. 3.83	80. 3.83	75. 3.83	71. 3.83
		HYDROGRAPH AT								
+		LW075-2	.38	1	FLOW TIME	120. 3.67	113. 3.67	104. 3.67	96. 3.67	89. 3.67
		2 COMBINED AT								
+		CLW075-2	.59	1	FLOW TIME	203. 3.75	191. 3.75	177. 3.75	165. 3.75	154. 3.75
		ROUTED TO								
+		RC075-1	.59	1	FLOW TIME	201. 3.92	189. 3.92	175. 4.00	163. 4.00	153. 4.00
		HYDROGRAPH AT								
+		LW075-3	.34	1	FLOW TIME	123. 3.75	116. 3.75	108. 3.75	101. 3.75	95. 3.75
		2 COMBINED AT								
+		CLW075-3	.93	1	FLOW TIME	305. 3.92	288. 3.92	267. 3.92	248. 3.92	232. 3.92
		ROUTED TO								
+		RC075-3	.93	1	FLOW TIME	305. 4.00	287. 4.00	266. 4.00	247. 4.00	230. 4.00
		HYDROGRAPH AT								
+		LW64-1	.68	1	FLOW TIME	242. 3.83	230. 3.83	216. 3.83	203. 3.83	191. 3.83
		2 COMBINED AT								
+		CLW64-1	1.61	1	FLOW TIME	527. 3.92	497. 3.92	461. 4.00	431. 4.00	403. 4.00
		ROUTED TO								
+		RCLW64-1	1.61	1	FLOW TIME	524. 4.00	495. 4.00	461. 4.00	429. 4.00	401. 4.00
		HYDROGRAPH AT								
+		LW64-2	.51	1	FLOW TIME	98. 4.00	91. 4.00	83. 4.00	76. 4.00	70. 4.00
		2 COMBINED AT								
+		CLW64-2	2.12	1	FLOW TIME	622. 4.00	586. 4.00	544. 4.00	505. 4.00	471. 4.00
		ROUTED TO								
+		RCLW64-2	2.12	1	FLOW TIME	620. 4.00	583. 4.00	541. 4.00	500. 4.00	466. 4.08

HYDROGRAPH AT									
+	LW64-3	.53	1	FLOW TIME	88. 4.00	81. 4.00	73. 4.00	67. 4.00	61. 4.00
2 COMBINED AT									
+	CLW64-3	2.65	1	FLOW TIME	708. 4.00	664. 4.00	615. 4.00	567. 4.00	526. 4.00
ROUTED TO									
+	RCLW64-3	2.65	1	FLOW TIME	701. 4.00	658. 4.08	610. 4.08	565. 4.08	525. 4.08
HYDROGRAPH AT									
+	OA02	.41	1	FLOW TIME	90. 4.00	85. 4.00	78. 4.00	72. 4.00	66. 4.00
2 COMBINED AT									
+	COA02	3.07	1	FLOW TIME	792. 4.00	742. 4.00	686. 4.08	635. 4.08	591. 4.08
ROUTED TO									
+	RCOA02	3.07	1	FLOW TIME	788. 4.08	741. 4.08	685. 4.08	633. 4.08	587. 4.08
HYDROGRAPH AT									
+	LVW03	.23	1	FLOW TIME	58. 3.83	54. 3.83	50. 3.83	46. 3.83	43. 3.83
2 COMBINED AT									
+	CLVW03	3.30	1	FLOW TIME	835. 4.08	786. 4.08	726. 4.08	671. 4.08	622. 4.08
2 COMBINED AT									
+	CCLVW03	186.42	1	FLOW TIME	13127. 4.17	12654. 4.25	12146. 4.17	11834. 4.17	11565. 4.17
ROUTED TO									
+	RCCLVW03	186.42	1	FLOW TIME	13099. 4.25	12647. 4.25	12135. 4.25	11796. 4.17	11531. 4.25
HYDROGRAPH AT									
+	LVW04-C	.27	1	FLOW TIME	60. 3.92	56. 3.92	51. 3.92	47. 3.92	44. 3.92
2 COMBINED AT									
+	CLVW04-C	186.69	1	FLOW TIME	13145. 4.25	12690. 4.25	12175. 4.25	11837. 4.17	11565. 4.25
ROUTED TO									
+	RCLVW04	186.69	1	FLOW TIME	13141. 4.25	12682. 4.25	12173. 4.25	11806. 4.25	11557. 4.25
HYDROGRAPH AT									
+	NEL02-C	.28	1	FLOW TIME	64. 3.75	60. 3.75	54. 3.75	50. 3.75	46. 3.75
2 COMBINED AT									
+	CCBN15-C	186.96	1	FLOW TIME	13178. 4.25	12717. 4.25	12205. 4.25	11836. 4.25	11585. 4.25
ROUTED TO									
+	RRCLVW04	186.96	1	FLOW TIME	13170. 4.25	12706. 4.25	12201. 4.25	11834. 4.25	11564. 4.25
HYDROGRAPH AT									
+	CA03	.34	1	FLOW TIME	116. 3.67	109. 3.67	101. 3.67	94. 3.67	87. 3.67
ROUTED TO									
+	RCA03	.34	1	FLOW TIME	117. 3.83	110. 3.83	102. 3.83	95. 3.83	88. 3.83
HYDROGRAPH AT									
+	CA04-C	.37	1	FLOW TIME	121. 3.75	114. 3.75	106. 3.75	99. 3.75	93. 3.75
2 COMBINED AT									
+	CCA04	.72	1	FLOW TIME	235. 3.83	222. 3.83	206. 3.83	192. 3.83	180. 3.83
ROUTED TO									
+	RCCA04	.72	1	FLOW TIME	234. 3.83	220. 3.83	204. 3.83	190. 3.83	177. 3.83
HYDROGRAPH AT									
+	CA05	.24	1	FLOW TIME	93. 3.75	89. 3.75	83. 3.75	78. 3.75	74. 3.75
2 COMBINED AT									
+	CCA05	.96	1	FLOW TIME	323. 3.83	306. 3.83	284. 3.83	265. 3.83	248. 3.83
ROUTED TO									
+	RCCA05	.96	1	FLOW TIME	321. 3.83	303. 3.83	281. 3.83	262. 3.83	245. 3.83

HYDROGRAPH AT +	CA06-C	.40	1	FLOW TIME	91. 3.83	85. 3.83	78. 3.83	71. 3.83	66. 3.83
2 COMBINED AT +	CCA06	1.36	1	FLOW TIME	412. 3.83	388. 3.83	359. 3.83	333. 3.83	310. 3.83
ROUTED TO +	RCCA06	1.36	1	FLOW TIME	411. 3.92	387. 3.92	359. 3.92	333. 3.92	310. 3.92
HYDROGRAPH AT +	CA08-C	.26	1	FLOW TIME	90. 3.75	85. 3.75	79. 3.75	74. 3.75	70. 3.75
2 COMBINED AT +	CCA08-C	1.61	1	FLOW TIME	494. 3.92	466. 3.92	432. 3.92	402. 3.92	375. 3.92
ROUTED TO +	RCCA08-C	1.61	1	FLOW TIME	487. 3.92	456. 4.00	428. 4.00	395. 4.00	373. 4.00
HYDROGRAPH AT +	CA10-C	.19	1	FLOW TIME	63. 3.83	59. 3.83	55. 3.83	52. 3.83	49. 3.83
HYDROGRAPH AT +	BN06-C	.34	1	FLOW TIME	147. 3.58	139. 3.58	129. 3.58	120. 3.58	113. 3.58
HYDROGRAPH AT +	BN03-C	.41	1	FLOW TIME	123. 3.75	115. 3.75	107. 3.75	99. 3.75	92. 3.75
HYDROGRAPH AT +	DBN03	.00	1	FLOW TIME	0. .00	0. .00	0. .00	0. .00	0. .00
ROUTED TO +	RDBN03	.00	1	FLOW TIME	0. .00	0. .00	0. .00	0. .00	0. .00
3 COMBINED AT +	CBN03	.75	1	FLOW TIME	255. 3.67	240. 3.67	223. 3.67	207. 3.67	193. 3.67
ROUTED TO +	RCBN03	.75	1	FLOW TIME	253. 3.67	238. 3.67	222. 3.67	206. 3.67	192. 3.67
HYDROGRAPH AT +	BN08	.21	1	FLOW TIME	81. 3.75	77. 3.75	72. 3.75	68. 3.75	64. 3.75
2 COMBINED AT +	CBN08	.96	1	FLOW TIME	331. 3.67	312. 3.67	291. 3.67	270. 3.67	253. 3.67
ROUTED TO +	RCBN08	.96	1	FLOW TIME	324. 3.75	306. 3.75	285. 3.75	266. 3.75	250. 3.75
HYDROGRAPH AT +	BN09	.23	1	FLOW TIME	49. 3.83	45. 3.83	41. 3.83	38. 3.83	34. 3.83
2 COMBINED AT +	CBN09	1.20	1	FLOW TIME	372. 3.75	350. 3.75	326. 3.75	303. 3.75	283. 3.75
ROUTED TO +	RCBN09	1.20	1	FLOW TIME	367. 3.75	344. 3.83	319. 3.75	296. 3.83	276. 3.83
HYDROGRAPH AT +	BN10-C	.26	1	FLOW TIME	78. 3.75	73. 3.75	68. 3.83	63. 3.83	59. 3.83
2 COMBINED AT +	CBN10-C	1.45	1	FLOW TIME	445. 3.75	417. 3.83	388. 3.75	359. 3.83	335. 3.83
ROUTED TO +	RCBN10-C	1.45	1	FLOW TIME	443. 3.83	414. 3.83	385. 3.83	356. 3.83	333. 3.83
HYDROGRAPH AT +	BN12-C	.32	1	FLOW TIME	90. 3.75	84. 3.75	78. 3.75	72. 3.75	67. 3.75
2 COMBINED AT +	CBN12-C	1.78	1	FLOW	533.	498.	462.	428.	400.

+		OA03-C	.55	1	FLOW TIME	136. 4.00	128. 4.00	119. 4.00	110. 4.00	103. 4.00
	2 COMBINED AT									
+		COA03-C	2.83	1	FLOW TIME	850. 4.00	807. 4.00	754. 4.08	709. 4.08	668. 4.08
	ROUTED TO									
+		RCOA03-C	2.83	1	FLOW TIME	848. 4.08	806. 4.08	754. 4.08	709. 4.08	667. 4.08
	HYDROGRAPH AT									
+		NEL01-C	.28	1	FLOW TIME	48. 3.83	44. 3.83	40. 3.83	36. 3.83	32. 3.83
	2 COMBINED AT									
+		CNEL01-C	3.11	1	FLOW TIME	888. 4.08	843. 4.08	787. 4.08	740. 4.08	695. 4.08
	ROUTED TO									
+		RCNEL01C	3.11	1	FLOW TIME	885. 4.17	840. 4.17	785. 4.17	737. 4.17	693. 4.17
	HYDROGRAPH AT									
+		NEL04-C1	.12	1	FLOW TIME	45. 3.67	43. 3.67	40. 3.67	38. 3.67	35. 3.67
	2 COMBINED AT									
+		CNEL02-C	3.23	1	FLOW TIME	909. 4.08	863. 4.17	806. 4.17	757. 4.17	712. 4.17
	ROUTED TO									
+		RCNEL02C	3.23	1	FLOW TIME	908. 4.17	858. 4.17	800. 4.17	752. 4.25	703. 4.25
	2 COMBINED AT									
+		CNEL02C1	194.52	1	FLOW TIME	15036. 4.17	14469. 4.25	13857. 4.25	13386. 4.25	12993. 4.25
	ROUTED TO									
+		RCCST03C	194.52	1	FLOW TIME	15028. 4.25	14464. 4.25	13853. 4.25	13366. 4.25	12928. 4.25
	HYDROGRAPH AT									
+		NEL04-C2	.13	1	FLOW TIME	50. 3.67	48. 3.67	45. 3.67	42. 3.67	39. 3.67
	HYDROGRAPH AT									
+		CH70-C	.26	1	FLOW TIME	86. 3.83	81. 3.83	76. 3.83	71. 3.83	67. 3.83
	HYDROGRAPH AT									
+		CH73	.14	1	FLOW TIME	75. 3.58	71. 3.58	67. 3.58	62. 3.58	59. 3.58
	2 COMBINED AT									
+		CCH73-C	.40	1	FLOW TIME	140. 3.58	132. 3.58	124. 3.58	116. 3.58	109. 3.58
	ROUTED TO									
+		RCH73	.40	1	FLOW TIME	137. 3.83	131. 3.83	122. 3.83	115. 3.83	108. 3.83
	HYDROGRAPH AT									
+		CH75-C	.36	1	FLOW TIME	107. 3.92	101. 3.92	94. 3.92	88. 3.92	83. 3.92
	2 COMBINED AT									
+		CCH75-C	.76	1	FLOW TIME	243. 3.83	230. 3.83	215. 3.83	202. 3.83	190. 3.83
	HYDROGRAPH AT									
+		CH76	.14	1	FLOW TIME	58. 3.75	55. 3.75	52. 3.75	49. 3.75	46. 3.75
	2 COMBINED AT									
+		CCH76	.89	1	FLOW TIME	296. 3.83	281. 3.83	263. 3.83	247. 3.83	233. 3.83
	ROUTED TO									
+		RCCH76	.89	1	FLOW TIME	296. 3.92	281. 3.92	263. 3.92	247. 3.92	233. 3.92
	HYDROGRAPH AT									
+		CH77-C	.45	1	FLOW TIME	133. 3.92	126. 3.92	117. 3.92	110. 3.92	103. 3.92
	2 COMBINED AT									
+		CCH77-C	1.34	1	FLOW TIME	429. 3.92	407. 3.92	380. 3.92	357. 3.92	335. 3.92
	3 COMBINED AT									
+		CNEL04-2	195.99	1	FLOW TIME	15379. 4.25	14797. 4.25	14166. 4.25	13660. 4.25	13206. 4.25

ROUTED TO										
+	RCNEL04	195.99	1	FLOW TIME	15375. 4.25	14792. 4.25	14161. 4.25	13646. 4.25	13174. 4.25	
HYDROGRAPH AT										
+	CH91-C	.13	1	FLOW TIME	66. 3.67	63. 3.67	60. 3.67	57. 3.67	54. 3.67	
ROUTED TO										
+	RCH91-C	.13	1	FLOW TIME	67. 3.83	64. 3.83	60. 3.83	57. 3.83	54. 3.83	
HYDROGRAPH AT										
+	CH92-C	.22	1	FLOW TIME	78. 3.75	74. 3.75	69. 3.75	65. 3.75	61. 3.75	
2 COMBINED AT										
+	CCH92-C	.35	1	FLOW TIME	140. 3.83	133. 3.83	125. 3.83	117. 3.83	111. 3.83	
ROUTED TO										
+	RCH92-C	.35	1	FLOW TIME	139. 3.83	131. 3.83	124. 3.83	115. 3.83	108. 3.83	
HYDROGRAPH AT										
+	CH93	.27	1	FLOW TIME	83. 3.75	78. 3.75	72. 3.75	67. 3.75	62. 3.75	
ROUTED TO										
+	RCH93	.27	1	FLOW TIME	83. 4.00	78. 4.00	72. 4.00	67. 4.00	62. 4.00	
HYDROGRAPH AT										
+	CH94	.36	1	FLOW TIME	68. 3.92	63. 3.92	57. 3.92	52. 4.00	48. 4.00	
2 COMBINED AT										
+	CCH94	.63	1	FLOW TIME	151. 4.00	141. 4.00	130. 4.00	119. 4.00	110. 4.00	
2 COMBINED AT										
+	CCCH94	.98	1	FLOW TIME	281. 3.92	265. 3.92	244. 3.92	227. 3.92	211. 3.92	
ROUTED TO										
+	RCCCH94	.98	1	FLOW TIME	279. 4.00	262. 4.00	242. 4.00	225. 4.08	209. 4.08	
HYDROGRAPH AT										
+	NEL06-C	.32	1	FLOW TIME	86. 3.92	81. 3.92	75. 3.92	70. 3.92	65. 3.92	
2 COMBINED AT										
+	CNEL06	1.30	1	FLOW TIME	362. 4.00	341. 4.00	315. 4.00	292. 4.00	271. 4.00	
2 COMBINED AT										
+	CCNEL06	197.30	1	FLOW TIME	15665. 4.25	15068. 4.25	14419. 4.25	13888. 4.25	13402. 4.25	
ROUTED TO										
+	RCNEL06	197.30	1	FLOW TIME	15663. 4.25	15065. 4.25	14415. 4.25	13882. 4.25	13387. 4.25	
HYDROGRAPH AT										
+	FW35	.47	1	FLOW TIME	106. 3.92	100. 3.92	91. 3.92	84. 3.92	78. 3.92	
2 COMBINED AT										
+	CNLWY	197.76	1	FLOW TIME	15742. 4.25	15139. 4.25	14483. 4.25	13945. 4.25	13446. 4.25	
ROUTED TO										
+	RCNLWY	197.76	1	FLOW TIME	15734. 4.25	15123. 4.25	14457. 4.25	13885. 4.25	13413. 4.33	
HYDROGRAPH AT										
+	324-9	.47	1	FLOW TIME	91. 3.83	84. 3.83	76. 3.83	69. 3.83	63. 3.83	
ROUTED TO										
+	R324-9	.47	1	FLOW TIME	91. 4.00	84. 4.00	76. 4.00	69. 4.00	63. 4.00	
HYDROGRAPH AT										
+	324-8	.32	1	FLOW TIME	61. 3.75	56. 3.75	51. 3.75	46. 3.75	41. 3.75	
2 COMBINED AT										
+	C324-8	.79	1	FLOW TIME	140. 3.92	129. 3.92	116. 4.00	105. 4.00	95. 4.00	
ROUTED TO										
+	RC324-8	.79	1	FLOW TIME	139. 4.08	128. 4.08	116. 4.17	105. 4.17	95. 4.17	

HYDROGRAPH AT									
+	324-7	.29	1	FLOW TIME	46.	42.	37.	33.	30.
					3.75	3.75	3.75	3.75	3.75
2 COMBINED AT									
+	C324-7	1.08	1	FLOW TIME	171.	157.	141.	126.	114.
					4.08	4.08	4.08	4.08	4.17
ROUTED TO									
+	RC324-7	1.08	1	FLOW TIME	170.	156.	140.	126.	114.
					4.25	4.25	4.25	4.25	4.33
HYDROGRAPH AT									
+	324-6	.29	1	FLOW TIME	57.	53.	47.	43.	39.
					3.75	3.75	3.75	3.75	3.75
2 COMBINED AT									
+	C324-6	1.38	1	FLOW TIME	205.	188.	168.	151.	136.
					4.17	4.17	4.25	4.25	4.25
ROUTED TO									
+	RC324-6	1.38	1	FLOW TIME	203.	187.	168.	150.	135.
					4.25	4.25	4.25	4.25	4.33
HYDROGRAPH AT									
+	324-5	.22	1	FLOW TIME	59.	55.	50.	46.	43.
					3.75	3.75	3.75	3.75	3.75
2 COMBINED AT									
+	C324-5	1.60	1	FLOW TIME	236.	217.	193.	173.	156.
					4.17	4.17	4.17	4.25	4.25
ROUTED TO									
+	RC324-5	1.60	1	FLOW TIME	236.	216.	193.	173.	156.
					4.25	4.25	4.33	4.33	4.42
HYDROGRAPH AT									
+	326B-3	.37	1	FLOW TIME	84.	79.	72.	66.	61.
					3.92	3.92	3.92	3.92	3.92
2 COMBINED AT									
+	C326B3	1.97	1	FLOW TIME	300.	274.	244.	218.	196.
					4.17	4.25	4.25	4.25	4.33
HYDROGRAPH AT									
+	NEL05	.12	1	FLOW TIME	32.	30.	28.	26.	24.
					3.75	3.75	3.75	3.75	3.83
2 COMBINED AT									
+	2C326B3	2.09	1	FLOW TIME	321.	293.	261.	233.	208.
					4.17	4.17	4.25	4.25	4.33
2 COMBINED AT									
+	CLVCH	199.85	1	FLOW TIME	16051.	15414.	14718.	14118.	13621.
					4.25	4.25	4.25	4.25	4.33
ROUTED TO									
+	RCLVCH	199.85	1	FLOW TIME	16024.	15382.	14673.	14077.	13602.
					4.25	4.25	4.25	4.33	4.33
HYDROGRAPH AT									
+	FW37	.40	1	FLOW TIME	83.	77.	70.	64.	58.
					3.83	3.83	3.83	3.83	3.83
2 COMBINED AT									
+	CFW37	200.25	1	FLOW TIME	16079.	15433.	14720.	14116.	13638.
					4.25	4.25	4.25	4.33	4.33

1

SUMMARY OF KINEMATIC WAVE - MUSKINGUM-CUNGE ROUTING

(FLOW IS DIRECT RUNOFF WITHOUT BASE FLOW)

ISTAQ	ELEMENT	DT	PEAK	TIME TO PEAK	VOLUME	INTERPOLATED TO COMPUTATION INTERVAL			
						DT	PEAK	TIME TO PEAK	VOLUME
		(MIN)	(CFS)	(MIN)	(IN)	(MIN)	(CFS)	(MIN)	(IN)
FOR PLAN = 1	RATIO=	.00							
RNW62-S	MANE	2.53	129.38	217.41	1.24	5.00	125.07	215.00	1.24

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3670E+04 EXCESS= .0000E+00 OUTFLOW= .3670E+04 BASIN STORAGE= .1631E+01 PERCENT ERROR= .0

FOR PLAN = 1	RATIO=	.00							
RCLVCH	MANE	1.35	13604.84	260.16	.32	5.00	13602.31	260.00	.32

CONTINUITY SUMMARY (AC-FT) - INFLOW= .3433E+04 EXCESS= .0000E+00 OUTFLOW= .3432E+04 BASIN STORAGE= .1556E+01 PERCENT ERROR= .0

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