

Yaddkin

River

\*\*\*\*\*  
 \* WATER SURFACE PROFILES \*  
 \* VERSION OF SEPTEMBER 1988 \*  
 \* ERROR: 01/02/89 \*  
 \* UPDATED: SEPTEMBER 1989 \*  
 \* RUN DATE 10/22/90 TIME 14:16:43 \*  
 \*\*\*\*\*

\*\*\*\*\*  
 \* U.S. ARMY CORPS OF ENGINEERS \*  
 \* THE HYDROLOGIC ENGINEERING CENTER \*  
 \* 609 SECOND STREET, SUITE 20 \*  
 \* DAVIS, CALIFORNIA 95616-4687 \*  
 \* (916) 756-1104 \*  
 \*\*\*\*\*

```

      X      X      XXXXXX      XXXXX      XXXXX
      X      X      X      X      X      X
    XXXXXXX XXXX      X      XXXXX      XXXXX
      X      X      X      X      X
      X      X      XXXXXXX      XXXXX      XXXXXXX
  
```

END OF BANNER

10/22/90 14:16:43

PAGE 1

THIS RUN EXECUTED 10/22/90 14:16:43

\*\*\*\*\*  
 HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989

ERROR CORR - 01/02/89  
 MODIFICATION -  
 \*\*\*\*\*

T1 UPPER YADKIN RIVER MODIFIED BY W. KERR SCOTT  
 T2 OCT 1900 INPUT=WILKMOD.DAT OUTPUT=WILKMOD.OUT  
 Y3 UPPER YADKIN RIVER 500 YR

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q MSEL FQ  
 -1 2 0 972.27

J2 NPROF IPLOT PREFS XSECV XSECH FN ALLOC IBW CHNIM ITRACE  
 1 -1

	13	54000	29000	20500	16200	14000	13500	12700	12000	10900
QT	10400	8950	7550	5100						
NC	0.18	0.18	0.043	-2	-4					
X1	816909	18	2070	2272	0	0	0	0	0	0
GR	980	1700	960	1980	952	2025	952	2050	949	2070
GR	936.8	2087	933.4	2103	932.6	2150	934	2175	937.6	2200
GR	941.3	2245	950.6	2272	950.6	2350	950	2400	950.1	2425
GR	953	2450	980	2480	980	2770				

X1 819610 10.1 \*\*\* 65 FT. BELOW S/ 115 9 N WILKESBORO  
 18 2070 2272 2710 2710 2710

B1

GR	980	1700	960	1980	952	2025	952	2050	949	2070
GR	936.8	2087	933.4	2100	932.6	2150	934	2175	937.6	2200
GR	941.3	2245	950.4	2272	950.6	2350	950	2400	950.1	2425
GR	953	2450	967.3	2485	980	2770	1000	3120		

NC										
X1	819669	19	2070	2272	59	5	59	2050	949	2070
GR	980	1710	966.1	1868	952	2025	952	2175	937.6	2200
GR	936.8	2087	933.4	2100	932.6	2150	934	2175	937.6	2200
GR	941.3	2245	950.4	2272	950.6	2350	950	2400	950.1	2425
GR	953	2450	967.3	2485	980	2770	1000	3120		

10.3 \*\*\* D/S FACE OF SR 115 @ N WILKESBORO

X1	819674	70	2067	2272	5	5	5	1868	966.3	966.1
BT	10	1630	1000	1000	1710	980	980	1868	966.3	966.1
BT	1968	967.5	967.5	2000	967.3	967.3	2001	967.3	964.5	2472
BT	967.3	964.5	2473	967.3	967.3	2870	968.9	968.9	3120	1000
BT	1000									
GR	1000	1620	1000	1630	980	1010	966.1	1868	967.5	1938
GR	967.3	2000	962	2001	952	2025	951.8	2032	951.8	2035
GR	964.5	2035	964.5	2038	951.9	2038	952	2050	949	2069

10/22/90

14:16:43

PAGE 2

GR	948.3	2070	964.5	2070	964.5	2073	966.3	2073	936.8	2087
GR	933.4	2100	932.6	2100	932.6	2110	964.3	2122	932.1	2122
GR	932.6	2125	932.6	2130	934	2175	934.7	2180	964.5	2180
GR	964.5	2183	935.2	2183	937.6	2200	939.6	2225	940	2230
GR	964.5	2230	964.5	2230	964.5	2230	941.4	2246	949.1	2270
GR	964.5	2270	964.5	2270	964.5	2270	950.4	2274	950.6	2300
GR	950.5	2310	964.5	2310	964.5	2310	950.5	2312	950.4	2325
GR	950.7	2350	964.5	2350	964.5	2350	950.6	2352	950	2375
GR	950.1	2390	964.5	2390	964.5	2390	950.1	2392	950.1	2400
GR	950.2	2425	950.8	2430	964.5	2430	964.3	2472	951	2432
GR	953.1	2449	963.2	2472	967.3	2473	968.9	2870	1000	3120

10.4 \*\*\* U/S FACE OF SR 115 @ N WILKESBORO

X1	819700	0	0	0	26	26	26	26	26	26
X2										
NC			043							
X1	819705	19	2070	2272	5	5	5	2050	949	2070
GR	980	1710	966.1	1868	952	2025	952	2175	937.6	2200
GR	936.8	2087	933.4	2100	932.6	2150	934	2175	937.6	2200
GR	941.3	2245	950.4	2272	950.6	2350	950	2400	950.1	2425
GR	953	2450	967.3	2485	980	2770	1000	3120		

X1	819750	18	2070	2272	45	45	45	2050	949	2070
GR	980	1700	960	1980	952	2025	952	2175	937.6	2200
GR	936.8	2087	933.4	2100	932.6	2150	934	2175	937.6	2200
GR	941.3	2245	950.4	2272	950.6	2350	950	2400	950.1	2425
GR	953	2450	960	2480	980	2770				

8.1 \*\*\* 70 FT BELOW NC 268 @ N WILKESBORO

X1	826700	16	1538	1700	6950	6950	6950	1300	957.2	1300
GR	965	0	958.2	1000	957.4	1100	957	1300	957.2	1300
GR	957.2	1400	961.3	1500	957.4	1538	955.5	1568	957.2	1500
GR	941.5	1668	945	1690	954.1	1700	953.7	1708	939.5	1713
GR	970	2500								

NC									
X1	826765	25	2245	2480	65	65			
GR	967	250	967	260	270	965.5	1750	972.4	1850
GR	975	1930	960.4	2025	2040	952.8	2050	955.4	2075
GR	954.7	2100	956	2150	2175	956	2245	944	2272
GR	941.5	2310	941.1	2325	2350	940.7	2375	942.8	2400
GR	944.5	2415	950.1	2425	2480	975	2530	975	3200

NC 8.3 \*\*\* D/S FACE OF NC 268 @ N WILKESBORO

X1	826770	56	2245	2424	5	5			
BT	16	270	967	967	965.5	985.8	1850	972.4	972.4
BT	2000	974.7	974.7	2001	974.7	970.3	2050	975.1	2100
BT	975.4	971.3	2152	975.6	971.5	2202	975.8	971.7	2245
BT	971.6	2309	975.6	971.5	2150	975.4	971.3	2400	975.1
BT	2464	974.8	970.1	2425	971.8	971.8	975	975	971
GR	967	250	967	260	967	270	965.5	1750	972.4

10/22/90 14:16:43

GR	974.7	2000	971.1	2001	940.3	2025	954.7	2042	952.7	2050
GR	971.3	2050	971.1	2052	952.7	2052	955.4	2075	954.6	2100
GR	971.3	2100	971.3	2100	954.7	2104	954.7	2125	954.6	2152
GR	971.5	2152	971.5	2154	956	2154	953.3	2175	956.1	2202
GR	971.7	2202	971.7	2206	956.1	2206	956.5	2225	956.1	2245
GR	950.1	2250	971.6	2250	971.6	2261	956.7	2261	944.1	2273
GR	941.4	2309	971.5	2309	971.5	2311	941.4	2331	941.4	2331
GR	939.7	2350	940.2	2361	971.3	2361	971.3	2373	940.3	2363
GR	940.7	2375	942.7	2400	944.5	2411	971	2411	971	2415
GR	944.5	2415	950.1	2424	968	2450	970.6	2464	974.8	2465
GR	975	3200								

8.4 \*\*\* U/S FACE OF NC 268 @ N WILKESBORO

X1	826800	0	0	0	30	30			
X2									
NC		0.043							
X1	826805	25	2245	2480	5	5			
GR	980	0	970	260	970	970	1750	972.4	1850
GR	975	1930	960.4	2025	954.8	2040	952.8	2050	955.4
GR	954.7	2100	956	2150	956.3	2175	956	2245	944
GR	941.5	2310	941.1	2325	939.8	2350	940.7	2375	942.8
GR	944.5	2415	950.1	2425	968	2480	975	2530	975

X1	826850	16	1538	1700	45	45			
GR	965	0	960.0	1000	960.0	1100	930	1200	960
GR	960	1400	961.2	1500	959.4	1538	945.6	1568	940.1
GR	941.5	1668	945	1690	954.5	1700	955.7	1708	959.5
GR	970	2500							

QT	13	35500	19000	15400	11000	9300	8900	8450	7900	7500
QT	7000	6100	5200	3850						
NC				.2	.4					

807 \*\*\*

X1	831650	45	2517	2642	14800	1800	14800	14800	14800	14800
GR	1009.6	1000	1009	1037	1009.2	1054	1008.8	1071	1071.8	1085
GR	1000.1	1100	976.5	1175	975.6	1200	971.8	1300	971.8	1323
GR	969.6	1400	967.7	1500	966.3	1600	965	1700	965.7	1800
GR	962.6	1900	965.4	2000	969.1	2100	970.6	2200	971.4	2300
GR	967.4	2400	966.1	2460	958	2500	959.6	257	940.7	2525
GR	940.7	2577	945.8	2627	957.2	2642	965.3	2800	965.3	2800
GR	963	2800	941.3	2900	960.4	3000	960.1	3000	960.1	3200





X1	837830	32	1923	2073	45	45	45			
GR	994.9	1000	991.6	1100	989.7	1200	986.6	1300	983.2	1400
GR	979.5	1500	975.6	1600	972	1700	969.7	1800	970	1900
GR	971.8	1910	967.7	1923	961.9	1943	948.1	1958	945.8	2008
GR	949.1	2058	960.4	2073	964.9	2100	965.2	2200	963.4	2265
GR	966.2	2294	966.4	2300	965.9	2400	966.3	2500	966.4	2545
GR	980.9	2574	981.7	2600	979.4	2700	980.7	2800	981.8	2900

10/22/90 14:16:43

PAGE 5

GR	983.5	3000	987.7	3100
----	-------	------	-------	------

NC 4.1 \*\*\* 60 FT. BELOW US 421 BRIDGE .4

X1	839290	22	1543	1748	47	47	47			
GR	980	400	967.5	1000	968.2	1100	967.2	1200	967.4	1300
GR	968.5	1400	969.3	1500	969.5	1543	956.7	1559	957.6	1580
GR	952.5	1590	951.5	1600	949.9	1665	951.3	1700	952.6	1711
GR	963.5	1748	964.9	1800	964.4	1900	967.9	2000	967.3	2100
GR	969.7	2200	970.9	2300						

NC	839345	17	2045	2175	55	55	55			
X1	980	1315	973.4	1415	974.2	1615	976.1	1815	976.9	1915
GR	980	1950	966.6	2025	965.5	2045	951	2065	947.8	2100
GR	950.2	2125	951.9	2154	963.5	2175	969	2200	980	2270
GR	983.2	2620	990	2800						

NC 4.3 \*\*\* D/S FACE OF US 421 BRIDGE .030

X1	839350	26	2047	2175	5	5	5			
BT	13	1315	980	980	1415	973.4	973.4	1615	974.2	974.2
BT	1815	976.1	976.1	1915	976.9	976.9	2000	977.6	977.6	2001
BT	977.6	973.8	2074	978.3	974.4	2150	978.9	974.9	2225	979.6
BT	975.5	2226	979.6	979.6	2620	983.2	983.2	2800	990	990
GR	980	1315	973.4	1415	974.2	1615	976.1	1815	976.9	1915
GR	977.6	2000	973.5	2001	966.5	2025	965.2	2047	951	2065
GR	949.7	2074	974.4	2074	974.4	2074	949.7	2074	947.5	2100
GR	950.2	2125	951.8	2150	974.9	2150	974.9	2154	951.8	2154
GR	963.3	2175	968.7	2200	975.8	2225	979.6	2226	983.2	2620
GR	990	2800								

NC 4.4 \*\*\* U/S FACE OF US 421 BRIDGE

X1	839378	0	0	0	28	28	28			
X2										
NC	839383	17	2045	2175	5	5	5			
X1	980	1315	973.4	1415	974.2	1615	976.1	1815	976.9	1915
GR	980	1950	966.6	2025	965.5	2045	951	2065	947.8	2100
GR	950.2	2125	951.9	2154	963.5	2175	969	2200	980	2270
GR	983.2	2620	990	2800						

X1	839430	22	1543	1748	47	47	47			
GR	980	400	967.5	1000	968.2	1100	967.2	1200	967.4	1300
GR	968.5	1400	969.3	1500	969.5	1543	956.7	1559	957.6	1580
GR	952.5	1590	951.5	1600	949.9	1665	951.3	1700	952.6	1711
GR	963.5	1748	964.9	1800	964.4	1900	967.9	2000	967.3	2100
GR	969.7	2200	970.9	2300						

10/22/90 14:16:43

PAGE 6

NC

X1	845450	46	1455	1600	6020	6020	6020	1120	969.6	1157
GR	1010.8	1035	1003.1	1050	979.6	1100	971.4	1300	970.7	1400
GR	966.4	1165	969.8	1170	973.1	1200	969.6	1595	970.8	1600
GR	971.2	1455	953.6	1461	951.7	1528	953.2	2000	969.6	2100
GR	971.9	1700	971.5	1800	970.8	1900	971.2	2500	972.9	2515
GR	968.6	2200	970.1	2300	970.7	2400	972.7	2900	970.3	3000
GR	970.9	2600	969.7	2700	969.4	2800	970	3400	974.6	3500
GR	970.2	3100	971.8	3200	971.5	3300	972.6	3900	982	4000
GR	975.3	3600	981	3700	981	3800	980.7	4324	995.3	4360
GR	983.6	4100	986.5	4200	994.2	4300	996.1			
GR	1017.1	4400								

804

X1	851200	37	3277	3377	5750	5750	5750	1098	-2.0	1140
GR	1026.6	1000	1016.2	1040	1000.1	1091	1000.3	1540	994.7	1640
GR	988	1240	984.6	1340	981.5	1440	979.5	2004	977.3	2040
GR	975.8	1740	975.1	1840	975.3	1940	977.7	2440	976.9	2540
GR	976.5	2140	973.4	2240	976.1	2340	977.6	2940	977.2	3040
GR	974.4	2640	977.4	2740	978.2	2840	976.6	3279	976.7	3319
GR	976.2	3140	976.9	3240	968.9	3277	958.2	3446	957.4	3465
GR	958.4	3359	974.1	3377	979.6	3440	979.6		978	
GR	986.5	3485	988.8	3540						

803

X1	853300	36	2414	2555	2100	2100	2100	1100	1019.7	1107
GR	1052.8	1000	1042.4	1050	1033.9	1090	1025	1250	979.5	1300
GR	1019.7	1114	1015.5	1150	999.9	1200	985.1	1700	979.2	1800
GR	976.4	1400	976.2	1500	977	1600	977.6	2200	974.3	2300
GR	979.8	1900	980.4	2000	977.6	2100	975.3	2491	959.9	2543
GR	976.8	2400	978.1	2414	959.3	2439	956.6	2700	979.5	2800
GR	974.5	2555	980.4	2581	979.4	2600	976.6	2900	998.4	2950
GR	984.7	2863	983.4	2880	992.6	2894	993.8			
GR	1012.7	3000								

802.1 \*\*\* 60 FT. BELOW BROWN'S FORD BRIDGE

X1	854640	21	1644	1769	1340	1340	1340	1164	988.4	1189
GR	1002	1000	999	1089	999.4	1139	989.2	1489	975.3	1589
GR	985.7	1289	984.1	1389	982.1	1420	978.1	1761	976.2	1769
GR	972.4	1644	962.1	1662	957.7	1707	962	2089	981.3	2189
GR	975.1	1789	971.2	1889	973.4	1989	978.5			
GR	1000	2270								

NC

X1	854695	18	2070	2192	55	55	55	1890	982	1980
GR	1000	1650	990	1690	984.6	1790	982.9	2075	958	2100
GR	980	1990	975	2000	965.6	2070	962.5	2192	980	2280
GR	957.6	2125	957.5	2150	960	2175	969.8			
GR	983	2580	990	2680	4000	2730				

10/22/90

14:16:43

PAGE 7

NC

2.3 \*\*\* 2.2 0.03 N/S FACE OF BROWN'S FORD BRIDGE

X1	854700	36	2869	2997	5	5	5	1790	984.6	984.6
BT	12	1630	1000	1000	1690	990	990	981.8	981.8	2001
BT	1890	982.9	982.9	1980	982	982	2000	981.8	981.8	2580
BT	981.8	977	2220	981.8	977	2221	981.8			983



BT	983	2680	990	990	2730	1000	1000	1890	982	1980
GR	1000	1650	990	1690	984.6	1790	982.9	2050	968	2054
GR	981.8	2000	975.1	2001	972.2	2025	968.6	2069	962.5	2073
GR	977	2054	977	2057	967.5	2057	965.6	2112	957.9	2112
GR	958.1	2100	957.9	2109	977	2109	977	2164	977	2167
GR	957.6	2125	957.6	2150	959	2164	977	2192	970.9	2200
GR	959.3	2167	960.1	2175	962.1	2180	969.8	2580	990	2680
GR	974.4	2210	981.1	2220	981.8	2221	983			
GR	1000	2730								

2-4 \*\*\* 2.17: U/S FACE OF BROWN'S FORD BRIDGE

X1	854730	0	0	0	30	30	30			
X2							1			
NC		0.043								
X1	854735	18	2070	2192	5	5	5	1890	982	1980
GR	1000	1650	990	1690	984.6	1790	982.9	2050	968	2054
GR	980	1990	975	2000	965.6	2070	962.5	2069	962.5	2073
GR	957.6	2125	957.5	2150	950	2175	969.8	2112	957.9	2112
GR	983	2580	990	2680	1000	2730		2164	977	2167

X1	854780	21	1644	1769	45	45	45	2192	980	2280
GR	1000	1000	999	1089	999.4	1139	989.2	1164	988.4	1189
GR	985.7	1289	984.1	1389	982.1	1420	978.1	1489	975.3	1581
GR	972.4	1644	962.1	1662	957.7	1707	962	1761	976.2	1769
GR	975.1	1739	971.2	1889	973.4	1989	978.5	2089	981.3	2189
GR	1000	2270								

801 \*\*\* 1.4 END OF STUDY REACH

X1	855500	22	1095	1275	720	720	720	1890	982	1980
GR	1012.9	1000	987.5	1050	982.7	1055	982.4	1073	976.2	1082
GR	975.8	1095	962.7	1096	959.1	1178	962.7	1260	976.8	1275
GR	976.3	1350	975.7	1450	978.6	1550	981.8	1650	985.1	1715
GR	995.3	1750	995.6	1763	995.4	1800	1007.5	1821	1011.6	1850
GR	1014.5	1885	1021.1	1950						

10/22/90 11:16:43

SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	GLOSS	BANK	ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	MTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST	

\*PROF. 1

CCHV= .200 CEHV= .400  
\*SECNO 81900.000

808.1 \*\*\* SECT 10.1 MOVED BACK

*****	40.77	972.27	0.00	972.27	972.80	.53	.00	.00	947.90	
54000	2465	45785	5751	3025	7244	5868	.0	.0	949.30	
.00	.81	6.32	.98	.180	.045	.180	.000	931.50	1792.82	
.000295	0.	0.	0.	0.	0	0	.00	881.04	2673.86	

\*SECNO 819610.000  
10.1 \*\*\* 65 FT BELOW SR 115 @ N. WILKESBORO

*****	40.47	973.07	0.00	973.07	973.81	.54	.81	.01	950.00	
54000	2421	45895	5689	2912	7183	5747	996	55	950.40	
.14	.82	6.39	.99	.180	.043	.180	.000	932.60	1797.35	
.000304	2710	2710	2710	0	0	0	.00	872.44	2662.49	



7500 0 7500 0 0 2247 0 1853 179 976.80  
 2.39 0.00 3.34 0.00 0.00 0.043 0.000 959.10 1095.13  
 .000352 720. 720. 720. 2 0 0 177.05 1272.17

10/22/90 14:16:43

THIS RUN EXECUTED 10/22/90 14:17:11

\*\*\*\*\*  
 HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989

ERROR CORR - 01/03/03  
 MODIFICATION -  
 \*\*\*\*\*

NOTE- ASTERISK (\*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

UPPER YADKIN RIVER 500

SUMMARY PRINTOUT TABLE 150

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRHS	EG	10*KS	VCH	AREA	.01K
816900.000	.00	.00	.00	931.50	54000.00	972.27	.00	972.80	2.95	6.32	16136.98	31463.67
816900.000	.00	.00	.00	931.50	20500.00	959.20	.00	959.45	2.34	4.16	7055.98	13398.12
816900.000	.00	.00	.00	931.50	16200.00	956.75	.00	956.96	2.22	3.76	5852.60	10883.89
816900.000	.00	.00	.00	931.50	10900.00	951.62	.00	951.81	2.85	3.51	3527.49	6452.10
*819610.000	2710.00	.00	.00	932.60	54000.00	973.07	.00	973.61	3.04	6.39	15872.37	30952.40
819610.000	2710.00	.00	.00	932.60	20500.00	959.85	.00	960.12	2.52	4.26	6826.09	12908.63
819610.000	2710.00	.00	.00	932.60	16200.00	957.37	.00	957.59	2.42	3.86	5619.29	10411.46
819610.000	2710.00	.00	.00	932.60	10900.00	952.42	.00	952.61	3.06	3.59	3398.34	6226.79
819669.000	59.00	.00	.00	932.60	54000.00	973.12	.00	973.64	2.96	6.31	17046.10	31374.70
819669.000	59.00	.00	.00	932.60	20500.00	959.87	.00	960.13	2.50	4.25	6944.48	12955.11
819669.000	59.00	.00	.00	932.60	16200.00	957.39	.00	957.61	2.41	3.85	5684.37	10442.66
819669.000	59.00	.00	.00	932.60	10900.00	952.43	.00	952.63	3.05	3.59	3406.25	6239.65
*819674.000	5.00	966.10-999999.00	.00	932.60	54000.00	973.04	.00	973.76	14.42	7.33	14215.22	14219.50
819674.000	5.00	966.10-999999.00	.00	932.60	20500.00	959.85	.00	960.15	3.33	4.51	6337.90	11231.15
819674.000	5.00	966.10-999999.00	.00	932.60	16200.00	957.38	.00	957.62	2.90	4.07	5277.43	9512.05
819674.000	5.00	966.10-999999.00	.00	932.60	10900.00	952.43	.00	952.65	2.96	3.76	3250.67	6338.46
819700.000	26.00	966.10-999999.00	.00	932.60	54000.00	973.08	.00	973.80	14.36	7.31	14250.05	14251.24
819700.000	26.00	966.10-999999.00	.00	932.60	20500.00	959.86	.00	960.16	3.33	4.51	6338.04	11231.36
819700.000	26.00	966.10-999999.00	.00	932.60	16200.00	957.38	.00	957.63	2.90	4.07	5278.02	9513.01
819700.000	26.00	966.10-999999.00	.00	932.60	10900.00	952.44	.00	952.65	2.96	3.76	3250.67	6338.46
*819705.000	5.00	.00	.00	932.60	54000.00	973.38	.00	973.89	2.88	6.25	17346.71	31846.12
819705.000	5.00	.00	.00	932.60	20500.00	959.92	.00	960.18	2.48	4.24	6972.47	13012.07
819705.000	5.00	.00	.00	932.60	16200.00	957.42	.00	957.64	2.39	3.85	5704.64	10487.27
819705.000	5.00	.00	.00	932.60	10900.00	952.47	.00	952.66	3.03	3.58	3420.19	6265.74
819750.000	45.00	.00	.00	932.60	54000.00	973.38	.00	973.91	2.94	6.32	16159.32	31487.88
819750.000	45.00	.00	.00	932.60	20500.00	959.93	.00	960.19	2.49	4.25	6870.33	13002.58
819750.000	45.00	.00	.00	932.60	16200.00	957.44	.00	957.65	2.39	3.85	5655.53	10584.49

819750.000 45.00 .00 .00 932.60 10900.00 952.48 .00 952.68 3.02 3.57 3425.30 6273.65

10/22/90 14:16:43

PAGE 49

SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CMSEL	CRHS	EG	10*KS	VCH	AREA	.01K
826700.000	6950.00	.00	.00	940.10	54000.00	975.68	.00	975.93	2.72	5.50	37608.02	32754.93
* 826700.000	6950.00	.00	.00	940.10	20500.00	962.50	.00	963.03	7.10	6.19	7214.46	7693.96
* 826700.000	6950.00	.00	.00	940.10	16200.00	960.05	.00	960.60	8.31	6.08	4073.24	5620.52
* 826700.000	6950.00	.00	.00	940.10	10900.00	955.84	.00	956.35	10.45	5.77	1895.41	3372.28
826765.000	65.00	.00	.00	939.80	54000.00	975.65	.00	976.02	3.28	5.75	27474.56	29817.84
826765.000	65.00	.00	.00	939.80	20500.00	962.73	.00	963.12	5.25	5.17	5338.81	8949.23
826765.000	65.00	.00	.00	939.80	16200.00	960.38	.00	960.73	5.27	4.81	4298.49	7055.46
826765.000	65.00	.00	.00	939.80	10900.00	956.16	.00	956.49	6.55	4.56	2533.91	4257.63
* 826770.000	5.00	965.50	971.60	939.70	54000.00	975.65	.00	976.03	13.43	6.45	24281.01	14732.62
826770.000	5.00	965.50	971.60	939.70	20500.00	962.68	.00	963.21	6.70	5.99	4831.73	7922.27
826770.000	5.00	965.50	971.60	939.70	16200.00	960.34	.00	960.79	6.14	5.48	3910.27	6539.47
826770.000	5.00	965.50	971.60	939.70	10900.00	956.14	.00	956.53	6.44	5.03	2320.84	4294.23
* 826800.000	30.00	.00	.00	939.70	54000.00	975.65	.00	976.10	5.50	6.61	26052.69	23033.83
826800.000	30.00	.00	.00	939.70	20500.00	962.70	.00	963.23	6.68	5.99	4838.89	7933.17
826800.000	30.00	.00	.00	939.70	16200.00	960.36	.00	960.81	6.12	5.48	3916.96	6549.33
826800.000	30.00	.00	.00	939.70	10900.00	956.16	.00	956.55	6.41	5.03	2326.76	4303.60
826805.000	5.00	.00	.00	939.80	54000.00	975.63	.00	976.14	4.07	6.40	21918.54	26767.15
826805.000	5.00	.00	.00	939.80	20500.00	962.91	.00	963.29	5.07	5.11	5418.92	9100.46
826805.000	5.00	.00	.00	939.80	16200.00	960.52	.00	960.86	5.12	4.76	4358.25	7160.51
826805.000	5.00	.00	.00	939.80	10900.00	956.27	.00	956.58	6.38	4.52	2573.79	4316.84
826850.000	45.00	.00	.00	940.10	54000.00	975.96	.00	976.25	2.90	5.72	36204.06	31713.85
826850.000	45.00	.00	.00	940.10	20500.00	962.84	.00	963.45	7.52	6.45	5781.19	7474.29
826850.000	45.00	.00	.00	940.10	16200.00	960.45	.00	961.03	8.21	6.15	2933.00	5652.47
826850.000	45.00	.00	.00	940.10	10900.00	956.24	.00	956.72	9.45	5.58	1960.90	3545.32
831650.000	4800.00	.00	.00	940.70	35500.00	977.26	.00	977.46	2.05	4.81	29140.03	24804.56
831650.000	4800.00	.00	.00	940.70	13100.00	965.72	.00	966.00	3.22	4.51	6014.74	7298.02
831650.000	4800.00	.00	.00	940.70	11000.00	963.53	.00	963.83	3.69	4.49	3749.61	5726.19
831650.000	4800.00	.00	.00	940.70	7500.00	959.59	.00	959.84	4.05	4.02	1921.99	3726.96
* 837690.000	6040.00	.00	.00	945.80	35500.00	978.85	.00	979.36	4.55	6.52	13261.02	16636.71
837690.000	6040.00	.00	.00	945.80	13100.00	968.05	.00	968.41	4.93	4.90	3843.96	5899.67
837690.000	6040.00	.00	.00	945.80	11000.00	966.18	.00	966.52	5.40	4.75	2681.21	4735.12
837690.000	6040.00	.00	.00	945.80	7500.00	962.40	.00	962.69	5.49	4.30	1757.39	3201.04
837745.000	55.00	.00	.00	946.60	35500.00	978.93	.00	979.40	3.87	6.12	12111.54	18043.21
837745.000	55.00	.00	.00	946.60	13100.00	968.20	.00	968.47	3.65	4.70	4621.38	6853.99
837745.000	55.00	.00	.00	946.60	11000.00	966.32	.00	966.58	4.03	4.13	3476.50	5480.85
837745.000	55.00	.00	.00	946.60	7500.00	962.50	.00	962.74	5.13	3.89	1934.86	3312.71
* 837750.000	5.00	981.80-999999.00		946.50	35500.00	978.89	.00	979.47	9.63	6.71	11142.03	11441.47
837750.000	5.00	981.80-999999.00		946.50	13100.00	968.19	.00	968.49	3.55	4.49	4483.67	6955.67
837750.000	5.00	981.80-999999.00		946.50	11000.00	966.31	.00	966.60	3.66	4.35	3377.08	5747.44
837750.000	5.00	981.80-999999.00		946.50	7500.00	962.50	.00	962.75	4.08	4.04	1872.60	3714.90

10/22/90 14:16:43

PAGE 50

SECNO XLCH ELTRD ELLC ELMIN Q CMSEL CRHS EG 10\*KS VCH AREA .01K

1	837780.000	30.00	981.80	999999.00	946.50	35500.00	978.91	.00	979.50	9.63	6.71	11142.04	11461.47
2	837780.000	30.00	981.80	999999.00	946.50	13100.00	968.20	.00	968.50	3.54	4.48	4486.98	6959.39
3	837780.000	30.00	981.80	999999.00	946.50	11000.00	966.32	.00	966.61	3.66	4.35	3378.35	5748.78
4	837780.000	30.00	981.80	999999.00	946.50	7500.00	962.51	.00	962.76	4.07	4.04	1873.79	3717.83
5													
6	* 837785.000	5.00	.00	.00	946.60	35500.00	979.09	.00	979.56	3.78	6.07	12238.65	18254.40
7	837785.000	5.00	.00	.00	946.60	13100.00	968.24	.00	968.51	3.62	4.28	4647.52	6886.81
8	837785.000	5.00	.00	.00	946.60	11000.00	966.36	.00	966.62	3.99	4.16	3500.12	5507.78
9	837785.000	5.00	.00	.00	946.60	7500.00	962.54	.00	962.77	5.07	3.88	1941.91	3330.58
10													
11	837830.000	45.00	.00	.00	945.80	35500.00	979.10	.00	979.59	4.38	6.43	13522.53	16965.43
12	837830.000	45.00	.00	.00	945.80	13100.00	968.23	.00	968.58	4.73	4.84	3956.20	6020.62
13	837830.000	45.00	.00	.00	945.80	11000.00	966.35	.00	966.68	5.18	4.69	2774.81	4832.84
14	837830.000	45.00	.00	.00	945.80	7500.00	962.54	.00	962.82	5.33	4.24	1780.71	3249.36
15													
16	839290.000	1460.00	.00	.00	949.90	35500.00	979.88	.00	980.11	2.45	4.63	22448.43	22664.12
17	839290.000	1460.00	.00	.00	949.90	13100.00	968.98	.00	969.23	3.94	4.08	4812.42	6598.95
18	839290.000	1460.00	.00	.00	949.90	11000.00	967.15	.00	967.40	4.42	4.01	3216.15	5229.75
19	839290.000	1460.00	.00	.00	949.90	7500.00	963.43	.00	963.65	5.95	3.83	1959.42	3075.04
20													
21	* 839345.000	55.00	.00	.00	947.80	35500.00	979.53	.00	980.70	9.24	9.11	7599.97	11681.21
22	839345.000	55.00	.00	.00	947.80	13100.00	968.88	.00	969.45	8.00	6.59	2279.78	4630.82
23	839345.000	55.00	.00	.00	947.80	11000.00	967.08	.00	967.59	8.35	5.75	1955.48	3807.62
24	839345.000	55.00	.00	.00	947.80	7500.00	963.39	.00	963.81	9.76	5.24	1432.42	2400.23
25													
26	* 839350.000	5.00	973.40	974.90	947.50	35500.00	979.39	.00	980.94	45.04	10.75	6306.41	5289.48
27	839350.000	5.00	973.40	974.90	947.50	13100.00	968.86	.00	969.49	7.78	6.42	2177.40	4497.49
28	839350.000	5.00	973.40	974.90	947.50	11000.00	967.06	.00	967.63	7.70	6.06	1871.13	3964.34
29	839350.000	5.00	973.40	974.90	947.50	7500.00	963.38	.00	963.84	8.13	5.57	1364.81	2630.14
30													
31	* 839378.000	28.00	973.40	974.90	947.50	35500.00	979.61	.00	981.09	62.88	10.56	6502.54	5421.12
32	839378.000	28.00	973.40	974.90	947.50	13100.00	968.88	.00	969.52	7.75	6.41	2181.31	4706.76
33	839378.000	28.00	973.40	974.90	947.50	11000.00	967.08	.00	967.65	7.66	6.05	1874.81	3973.28
34	839378.000	28.00	973.40	974.90	947.50	7500.00	963.40	.00	963.87	8.10	5.49	1366.80	2635.56
35													
36	* 839383.000	5.00	.00	.00	947.80	35500.00	980.19	.00	981.26	8.30	8.78	8225.40	12322.60
37	839383.000	5.00	.00	.00	947.80	13100.00	968.98	.00	969.55	7.83	6.05	2299.35	4680.79
38	839383.000	5.00	.00	.00	947.80	11000.00	967.17	.00	967.68	8.17	5.72	1975.63	3849.39
39	839383.000	5.00	.00	.00	947.80	7500.00	963.47	.00	963.89	9.56	5.20	1443.03	2426.13
40													
41	* 839430.000	47.00	.00	.00	949.90	35500.00	981.45	.00	981.63	1.86	4.19	25424.86	26035.36
42	839430.000	47.00	.00	.00	949.90	13100.00	969.48	.00	969.71	3.46	3.90	5426.99	7043.72
43	* 839430.000	47.00	.00	.00	949.90	11000.00	967.59	.00	967.82	3.96	3.87	3456.00	5526.88
44	839430.000	47.00	.00	.00	949.90	7500.00	963.80	.00	964.01	5.29	5.69	2034.13	3259.45
45													
46	845450.000	6020.00	.00	.00	951.70	35500.00	982.68	.00	982.83	2.13	4.29	32553.51	24303.19
47	845450.000	6020.00	.00	.00	951.70	13100.00	971.83	.00	972.15	4.65	4.65	5129.63	6074.55
48	845450.000	6020.00	.00	.00	951.70	11000.00	970.16	.00	970.47	4.80	4.49	2807.61	5022.14
49	845450.000	6020.00	.00	.00	951.70	7500.00	966.72	.00	966.95	4.51	3.85	1946.00	3531.10

10/22/90 14:16:43

PAGE 51

SECNO	XLCH	ELTRD	ELLS	ELMIN	Q	CKSEL	CRINS	EG	LOKS	VCH	AREA	QIK
* 851200.000	5750.00	.00	.00	955.40	35500.00	984.44	.00	984.80	5.65	6.74	22036.03	14932.24
* 851200.000	5750.00	.00	.00	955.40	13100.00	975.40	.00	976.09	10.09	6.86	3815.68	4123.65
* 851200.000	5750.00	.00	.00	955.40	11000.00	971.88	.00	972.54	10.51	8.20	2774.81	3392.63
* 851200.000	5750.00	.00	.00	955.40	7500.00	970.38	.00	970.90	10.82	5.80	1319.68	2279.93
853300.000	2100.00	.00	.00	956.60	35500.00	985.61	.00	986.21	6.94	7.30	14845.89	13473.11



1	853300.000	2100.00	.00	.00	956.60	13100.00	977.37	.00	977.83	6.64	5.49	3430.07	5082.34
2	853300.000	2100.00	.00	.00	956.60	11000.00	975.89	.00	976.27	6.42	5.13	2307.22	4340.49
3	853300.000	2100.00	.00	.00	956.60	7500.00	972.35	.00	972.67	6.46	4.52	1658.82	2951.60
4	854640.000	1340.00	.00	.00	957.70	35500.00	986.53	.00	987.39	9.39	8.54	10268.89	11586.03
5	854640.000	1340.00	.00	.00	957.70	13100.00	978.30	.00	978.76	7.20	5.73	3900.08	4881.27
6	854640.000	1340.00	.00	.00	957.70	11000.00	976.79	.00	977.23	7.39	5.46	3057.98	4045.46
7	854640.000	1340.00	.00	.00	957.70	7500.00	973.30	.00	973.76	6.68	5.06	1618.27	2753.27
9	854695.000	55.00	.00	.00	957.50	35500.00	986.45	.00	987.64	9.65	9.40	7785.83	11425.92
10	854695.000	55.00	.00	.00	957.50	13100.00	978.36	.00	978.81	5.33	5.49	3168.84	5675.98
11	854695.000	55.00	.00	.00	957.50	11000.00	976.90	.00	977.28	5.09	5.08	2782.71	4008.25
12	854695.000	55.00	.00	.00	957.50	7500.00	973.48	.00	973.77	5.09	4.39	1971.65	3325.59
14	* 854700.000	5.00	981.80-999999.00	.00	957.60	35500.00	986.11	.00	988.17	57.97	12.26	5552.66	4662.53
15	* 854700.000	5.00	981.80-999999.00	.00	957.60	13100.00	978.30	.00	978.81	5.56	6.33	2526.64	3556.89
16	854700.000	5.00	981.80-999999.00	.00	957.60	11000.00	976.88	.00	977.32	5.20	5.35	2502.40	4826.00
17	854700.000	5.00	981.80-999999.00	.00	957.60	7500.00	973.47	.00	973.79	4.72	4.61	1828.17	3452.38
19	854730.000	30.00	981.80-999999.00	.00	957.60	35500.00	986.50	.00	988.40	52.87	11.65	5804.81	4881.27
20	854730.000	30.00	981.80-999999.00	.00	957.60	13100.00	978.34	.00	978.95	13.56	6.33	2526.64	3556.89
21	854730.000	30.00	981.80-999999.00	.00	957.60	11000.00	976.90	.00	977.33	5.18	5.34	2505.54	4832.54
22	854730.000	30.00	981.80-999999.00	.00	957.60	7500.00	973.48	.00	973.81	4.71	4.61	1829.57	3455.28
24	* 854735.000	5.00	.00	.00	957.50	35500.00	987.77	.00	988.77	7.80	8.72	8967.21	12711.86
25	* 854735.000	5.00	.00	.00	957.50	13100.00	978.59	.00	979.02	5.10	5.42	3231.05	5800.41
26	854735.000	5.00	.00	.00	957.50	11000.00	976.98	.00	977.36	4.91	5.03	2802.42	4947.38
27	854735.000	5.00	.00	.00	957.50	7500.00	973.53	.00	973.83	4.72	4.37	1983.60	3363.84
29	854780.000	45.00	.00	.00	957.70	35500.00	988.26	.00	988.93	6.94	7.68	12006.34	13473.51
30	854780.000	45.00	.00	.00	957.70	13100.00	978.61	.00	979.05	6.65	5.58	4098.46	5079.33
31	854780.000	45.00	.00	.00	957.70	11000.00	976.99	.00	977.41	5.02	5.38	3168.82	4152.31
32	854780.000	45.00	.00	.00	957.70	7500.00	973.53	.00	973.91	8.15	4.96	1706.69	2527.72
34	855500.000	720.00	.00	.00	959.10	35500.00	986.81	.00	989.36	4.75	6.38	9860.78	16296.28
35	855500.000	720.00	.00	.00	959.10	13100.00	979.17	.00	979.43	3.50	4.09	3915.98	7002.61
36	* 855500.000	720.00	.00	.00	959.10	11000.00	977.57	.00	977.79	3.49	3.83	3173.11	5891.27
37	* 855500.000	720.00	.00	.00	959.10	7500.00	974.14	.00	974.32	3.52	3.34	2246.59	3997.06

10/22/90 14:16:43

PAGE 52

UPPER YADKIN RIVER 500

SUMMARY PRINTOUT TABLE 150

SECNO	Q	CHSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
816900.000	54000.00	972.27	.00	.00	.00	881.04	.00
816900.000	20900.00	959.20	-13.07	.00	.00	508.65	.00
816900.000	16200.00	956.75	-2.45	.00	.00	478.69	.00
816900.000	10900.00	951.62	-5.13	.00	.00	426.64	.00
819610.000	54000.00	973.07	.00	.80	.00	872.44	2710.00
819610.000	20500.00	959.85	-13.22	.65	.00	498.44	2710.00
819610.000	16200.00	957.37	-2.48	.62	.00	473.84	2710.00
819610.000	10900.00	952.42	-4.95	.80	.00	422.30	2710.00
819669.000	54000.00	973.12	.00	.04	.00	1115.69	59.00
819669.000	20500.00	959.87	-13.25	.02	.00	523.61	59.00
819669.000	16200.00	957.99	-2.48	.02	.00	491.89	59.00



1	819669.000	10900.00	952.43	-4.95	.02	.00	424.94	59.00
2	* 819674.000	54000.00	973.04	.00	-.08	.00	1114.20	5.00
3	819674.000	20500.00	959.85	-13.19	-.01	.00	433.27	5.00
4	819674.000	16200.00	957.38	-2.48	-.01	.00	421.66	5.00
5	819674.000	10900.00	952.43	-4.95	-.01	.00	394.67	5.00
6								
7	819700.000	54000.00	973.08	.00	.04	.00	1114.80	26.00
8	819700.000	20500.00	959.86	-13.22	.01	.00	433.27	26.00
9	819700.000	16200.00	957.38	-2.48	.01	.00	421.67	26.00
10	819700.000	10900.00	952.44	-4.95	.01	.00	394.67	26.00
11								
12	* 819705.000	54000.00	973.38	.00	-.30	.00	1120.74	5.00
13	819705.000	20500.00	959.92	-13.46	.05	.00	524.29	5.00
14	819705.000	16200.00	957.42	-2.49	.04	.00	492.52	5.00
15	819705.000	10900.00	952.47	-4.96	.03	.00	425.59	5.00
16								
17	819750.000	54000.00	973.38	.00	-.01	.00	881.45	45.00
18	819750.000	20500.00	959.93	-13.46	-.01	.00	499.32	45.00
19	819750.000	16200.00	957.42	-2.49	.01	.00	474.59	45.00
20	819750.000	10900.00	952.48	-4.96	.01	.00	423.21	45.00
21								
22	826700.000	54000.00	975.68	.00	2.30	.00	2500.00	6950.00
23	* 826700.000	20500.00	962.50	-13.19	2.57	.00	1569.49	6950.00
24	* 826700.000	16200.00	960.05	-2.45	2.61	.00	974.33	6950.00
25	* 826700.000	10900.00	955.84	-4.21	3.36	.00	162.43	6950.00
26								
27	826765.000	54000.00	975.65	.00	-.03	.00	2950.00	65.00
28	826765.000	20500.00	962.73	-12.92	.23	.00	453.96	65.00
29	826765.000	16200.00	960.38	-2.35	.33	.00	431.53	65.00
30	826765.000	10900.00	956.16	-4.21	.33	.00	364.54	65.00

10/22/90 14:16:43

PAGE 53

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
* 826770.000	54000.00	975.65	.00	-.00	.00	2950.00	5.00
826770.000	20500.00	962.68	-12.98	-.05	.00	398.55	5.00
826770.000	16200.00	960.34	-2.34	-.04	.00	389.96	5.00
826770.000	10900.00	956.14	-4.20	-.03	.00	303.16	5.00
* 826800.000	54000.00	975.65	.00	-.01	.00	2950.00	30.00
826800.000	20500.00	962.70	-12.95	.02	.00	398.62	30.00
826800.000	16200.00	960.36	-2.34	.02	.00	390.03	30.00
826800.000	10900.00	956.16	-4.20	.02	.00	309.13	30.00
826805.000	54000.00	975.63	.00	-.02	.00	3086.30	5.00
826805.000	20500.00	962.91	-12.72	.21	.00	455.65	5.00
826805.000	16200.00	960.52	-2.39	.16	.00	432.77	5.00
826805.000	10900.00	956.27	-4.25	.11	.00	398.25	5.00
826850.000	54000.00	975.96	.00	-.34	.00	2500.00	45.00
826850.000	20500.00	962.84	-13.12	-.06	.00	1531.60	45.00
826850.000	16200.00	960.45	-2.59	-.07	.00	792.16	45.00
826850.000	10900.00	956.24	-4.21	-.03	.00	163.83	45.00
831650.000	35500.00	977.26	.00	1.30	.00	2352.88	4800.00
831650.000	13100.00	965.72	-11.55	2.87	.00	1234.43	4800.00
831650.000	11000.00	963.53	-2.18	3.08	.00	806.64	4800.00
831650.000	7500.00	959.59	-3.94	3.35	.00	155.15	4800.00

1	*	837690.000	35500.00	978.85	.00	1.59	.00	1053.22	6040.00
2		837690.000	13100.00	968.05	-10.80	2.34	.00	631.43	6040.00
3		837690.000	11000.00	966.18	-1.88	2.64	.00	496.05	6040.00
4		837690.000	7500.00	962.40	-3.78	2.81	.00	145.46	6040.00
5		837745.000	35500.00	978.93	.00	.08	.00	781.34	55.00
6		837745.000	13100.00	968.20	-10.73	.15	.00	621.23	55.00
7		837745.000	11000.00	966.32	-1.88	.16	.00	545.18	55.00
8		837745.000	7500.00	962.50	-3.82	.10	.00	189.53	55.00
9		837750.000	35500.00	978.89	.00	-.04	.00	694.66	5.00
10		837750.000	13100.00	968.19	-10.70	-.04	.00	602.57	5.00
11		837750.000	11000.00	966.31	-1.88	-.01	.00	576.84	5.00
12		837750.000	7500.00	962.50	-3.81	-.01	.00	192.57	5.00
13		837780.000	35500.00	978.91	.00	-.03	.00	694.67	30.00
14		837780.000	13100.00	968.20	-10.71	-.01	.00	602.67	30.00
15		837780.000	11000.00	966.32	-1.88	-.01	.00	576.85	30.00
16		837780.000	7500.00	962.51	-3.81	-.01	.00	192.75	30.00
17		837785.000	35500.00	979.09	.00	.18	.00	743.91	5.00
18		837785.000	13100.00	968.24	-10.85	-.04	.00	621.82	5.00
19		837785.000	11000.00	966.36	-1.88	-.04	.00	595.73	5.00
20		837785.000	7500.00	962.54	-3.82	-.03	.00	191.44	5.00

10/22/90 14:16:43

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
31	837830.000	35500.00	979.10	.00	-.01	1060.07	45.00
32	837830.000	13100.00	968.23	-10.87	-.01	632.11	45.00
33	837830.000	11000.00	966.35	-1.88	-.01	588.50	45.00
34	837830.000	7500.00	962.54	-3.80	-.01	147.55	45.00
35	839290.000	35500.00	979.88	.00	.79	1894.36	1460.00
36	839290.000	13100.00	968.98	-10.91	.75	1156.85	1460.00
37	839290.000	11000.00	967.15	-1.82	-.81	432.74	1460.00
38	839290.000	7500.00	963.43	-3.73	.88	197.16	1460.00
39	* 839345.000	35500.00	979.53	.00	-.35	937.00	55.00
40	839345.000	13100.00	968.88	-10.65	-.10	187.19	55.00
41	839345.000	11000.00	967.08	-1.80	-.07	148.95	55.00
42	839345.000	7500.00	963.39	-3.69	-.04	126.89	55.00
43	* 839350.000	35500.00	979.39	.00	-.14	901.68	5.00
44	839350.000	13100.00	968.86	-10.53	-.02	177.83	5.00
45	839350.000	11000.00	967.06	-1.80	-.02	163.33	5.00
46	839350.000	7500.00	963.38	-3.68	-.01	120.09	5.00
47	* 839378.000	35500.00	979.61	.00	.22	905.69	28.00
48	839378.000	13100.00	968.88	-10.72	.02	177.78	28.00
49	839378.000	11000.00	967.08	-1.80	.02	163.51	28.00
50	839378.000	7500.00	963.40	-3.68	.02	120.18	28.00
51	* 839383.000	35500.00	980.19	.00	.58	975.63	5.00
52	839383.000	13100.00	968.98	-11.21	.10	168.25	5.00
53	839383.000	11000.00	967.17	-1.81	.09	149.92	5.00
54	839383.000	7500.00	963.47	-3.70	.07	127.75	5.00
55	* 839430.000	35500.00	981.45	.00	1.26	990.00	47.00
56	839430.000	13100.00	969.48	-11.26	.50	3282.63	47.00

* 839430.000	11000.00	967.59	-1.89	-.42	.00	679.97	47.00
839430.000	7500.00	963.80	-3.79	-.32	.00	208.87	47.00
845450.000	35500.00	982.68	.00	1.24	.00	2949.16	6020.00
845450.000	13100.00	971.83	-10.86	2.34	.00	1969.25	6020.00
845450.000	11000.00	970.16	-1.67	2.57	.00	777.97	6020.00
845450.000	7500.00	965.72	-3.44	2.93	.00	143.37	6020.00
* 851200.000	35500.00	984.44	.00	1.75	.00	2198.87	5750.00
* 851200.000	13100.00	975.40	-9.03	3.58	.00	1545.92	5750.00
* 851200.000	11000.00	973.88	-1.53	3.72	.00	647.15	5750.00
* 851200.000	7500.00	976.38	-3.50	3.66	.00	114.10	5750.00
853300.000	35500.00	985.61	.00	1.17	.00	1635.07	2100.00
853300.000	13100.00	977.37	-8.23	1.97	.00	797.23	2100.00
853300.000	11000.00	975.89	-1.69	2.01	.00	333.03	2100.00
853300.000	7500.00	972.35	-3.54	1.97	.00	131.58	2100.00

10/22/90 14:16:43

PAGE 55

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKHS	TOPWID	XLCH
854640.000	35500.00	986.53	.00	.92	.00	953.32	1340.00
854640.000	13100.00	978.30	-8.23	.92	.00	599.21	1340.00
854640.000	11000.00	976.79	-1.51	.90	.00	519.70	1340.00
854640.000	7500.00	973.30	-3.49	.95	.00	289.78	1340.00
854695.000	35500.00	986.45	.00	-.08	.00	873.49	55.00
854695.000	13100.00	978.36	-8.09	-.06	.00	272.56	55.00
854695.000	11000.00	976.90	-1.46	-.11	.00	257.06	55.00
854695.000	7500.00	973.48	-3.42	.18	.00	212.41	55.00
* 854700.000	35500.00	986.11	.00	-.34	.00	862.45	5.00
* 854700.000	13100.00	978.30	-7.81	-.06	.00	215.30	5.00
854700.000	11000.00	976.88	-1.42	-.02	.00	203.97	5.00
854700.000	7500.00	973.47	-3.41	-.01	.00	183.91	5.00
854730.000	35500.00	986.50	.00	-.39	.00	875.37	30.00
854730.000	13100.00	978.34	-8.16	-.04	.00	215.35	30.00
854730.000	11000.00	976.70	-1.44	-.02	.00	204.00	30.00
854730.000	7500.00	973.48	-3.42	-.01	.00	183.99	30.00
* 854735.000	35500.00	987.77	.00	1.27	.00	916.79	5.00
* 854735.000	13100.00	978.59	-9.18	.25	.00	274.97	5.00
854735.000	11000.00	976.98	-1.61	.08	.00	257.87	5.00
854735.000	7500.00	973.53	-3.44	.05	.00	213.30	5.00
854780.000	35500.00	988.26	.00	-.50	.00	1025.14	45.00
854780.000	13100.00	978.61	-9.65	-.02	.00	613.20	45.00
854780.000	11000.00	976.99	-1.62	-.01	.00	530.93	45.00
854780.000	7500.00	973.53	-3.46	-.01	.00	307.06	45.00
855500.000	35500.00	988.81	.00	.54	.00	680.26	720.00
855500.000	13100.00	979.17	-9.64	-.56	.00	190.14	720.00
* 855500.000	11000.00	977.57	-1.61	-.58	.00	434.31	720.00
* 855500.000	7500.00	974.14	-3.42	-.62	.00	157.05	720.00

10/22/90 14:16:43

PAGE 56

1\*\*\*\*\*  
 \* WATER SURFACE PROFILES \*  
 \* VERSION OF SEPTEMBER 1988 \*  
 \* ERROR: 01/02/03 \*  
 \* UPDATED: SEPTEMBER 1989 \*  
 \* RUN DATE 11/ 6/90 TIME 10: 5:56 \*  
 \*\*\*\*\*

\*\*\*\*\*  
 \* U.S. ARMY CORPS OF ENGINEERS \*  
 \* THE HYDROLOGIC ENGINEERING CENTER \*  
 \* 809 SECOND STREET, SUITE D \*  
 \* DAVIS, CALIFORNIA 95616-4687 \*  
 \* (916) 756-1104 \*  
 \*\*\*\*\*

```

X      X      XXXXXXX  XXXXX      XXXXX
X      X      X      X      X      X
X      X      X      X      X      X
XXXXXXX XXXX      X      XXXXX  XXXXX
X      X      X      X      X      X
X      X      XXXXXXX  XXXXX      XXXXXXX
  
```

END OF BANNER

11/ 6/90 10: 5:56

PAGE 1

THIS RUN EXECUTED 11/ 6/90 10: 5:56

\*\*\*\*\*  
 HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989

\*\*\*\*\*  
 ERROR CORR - 01/02/03  
 MODIFICATION -  
 \*\*\*\*\*

T1 UPPER YADKIN RIVER, WILKSBORO N.C. LIMITED MAP MAINTENANCE  
 T2 OCT 1990  
 T3 UPPER YADKIN RIV 100 YR

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ  
 -1 2 0 959.20

J2 NPROF IPLOT PREVS XSECV XSECH FN ALLDC IBH CHNIM ITRACE  
 1 -1

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

	38	1	3	42	41	5	43	0	38	1
	53	21	22	54	4	5	0	200		
QT	2	20500	20500							
NC	0.18	0.18	0.045							
ET			4.1	2070	2360					
X1	819600	18	2070	2272	0	0		-1.1		
GR	980	1700	960	1980	952	2025	952	2050	949	2070
GR	936.8	2087	933.4	2100	932.6	2150	934	2175	937.6	2200
GR	941.3	2245	950.4	2272	950.6	2350	950	2400	950.1	2425



GR	953	2450	960	2480	980	2770				
ET			4.1	2050	2330					
X1	819610	18	2070	2272	2710	2710				
GR	980	1700	960	1980	952	952	2050	949	2070	
GR	936.8	2087	933.4	2100	932.6	934	2175	937.6	2200	
GR	941.3	2245	950.4	2272	950.6	950	2400	950.1	2425	
GR	953	2450	960	2480	980					

NC			4.1	2020	2300					
ET	819669	19	2070	2272	2710	2710				
X1	980	1710	966.1	1868	952	952	2050	949	2070	
GR	936.8	2087	933.4	2100	932.6	934	2175	937.6	2200	
GR	941.3	2245	950.4	2272	950.6	950	2400	950.1	2425	
GR	953	2450	967.3	2473	968.9					

11/ 6/90

10: 5:56

PAGE 2

NC			.030	2020	2300					
ET	819674	70	2069	2225	2710	2710				
X1	10	1630	1000	1000	1710	980	980	1868	966.1	966.1
BT	1968	967.5	967.5	2000	967.3	967.3	2001	967.3	964.5	2472
BT	967.3	964.5	2473	967.3	967.3	2870	968.9	968.9	3120	1000
BT	1000									
GR	1000	1620	1000	1630	980	1710	966.1	1868	967.5	1968
GR	967.3	2000	962	2001	952	2025	951.8	2032	951.8	2035
GR	964.5	2035	964.5	2038	951.9	2038	952	2050	949	2069
GR	948.3	2070	964.5	2070	964.5	2073	946.3	2073	956.8	2087
GR	933.4	2100	932.8	2119	964.5	2119	964.5	2122	932.7	2122
GR	932.6	2125	932.6	2150	934	2175	934.7	2180	964.5	2180
GR	964.5	2183	935.2	2183	937.6	2200	939.6	2225	940	2230
GR	964.5	2230	964.5	2233	940.5	2233	941.4	2246	949.1	2270
GR	964.5	2270	964.5	2272	949.8	2272	950.4	2274	950.6	2300
GR	950.5	2310	964.5	2310	964.5	2312	950.5	2312	950.4	2325
GR	950.7	2350	964.5	2350	964.5	2352	950.6	2352	950	2375
GR	950.1	2390	964.5	2390	964.5	2392	950.1	2392	950.1	2400
GR	950.2	2425	950.8	2430	964.5	2430	964.5	2432	951	2432
GR	953.1	2449	963.2	2472	967.3	2473	968.9	2870	1000	3120

ET			4.1	2020	2300					
X1	819700	0	0	0	26	26				
X2										

NC			.043	2020	2300					
ET	819705	19	2070	2272	2710	2710				
X1	980	1710	966.1	1868	952	952	2050	949	2070	
GR	936.8	2087	933.4	2100	932.6	934	2175	937.6	2200	
GR	941.3	2245	950.4	2272	950.6	950	2400	950.1	2425	
GR	953	2450	967.3	2473	968.9					

ET			4.1	2050	2320					
X1	819750	18	2070	2272	2710	2710				
GR	980	1700	960	1980	952	952	2050	949	2070	
GR	936.8	2087	933.4	2100	932.6	934	2175	937.6	2200	
GR	941.3	2245	950.4	2272	950.6	950	2400	950.1	2425	
GR	953	2450	960	2480	980					

NC

ET			4.1	1300	1710					
X1	826700	16	1538	1700	950	6950	6950	1200	957.2	1300
GR	965	0	958.2	1000	947.4	1100	957	1708	940.1	1600
GR	957.2	1400	961.2	1500	954.2	1538	945.6	1708	940.1	1600
GR	941.5	1668	945	1690	954.5	1700	955.7	1708	959.5	1713
GR	970	2500								

11/ 6/90 10: 5:56

PAGE 3

NC			4.1	2070	2480					
ET			4.1	2070	2480	65	65			
X1	826765	25	2245	2480	65	65	65	1750	972.4	1850
GR	967	250	967	260	967	270	965.5	2050	955.4	2075
GR	975	1930	960.4	2025	954.8	2040	952.8	2050	944	2272
GR	954.7	2100	956	2150	956.3	2175	956	2245	944	2272
GR	941.5	2310	941.1	2325	939.8	2350	940.7	2375	942.8	2400
GR	944.5	2415	950.1	2425	968	2480	975	2530	975	3200

NC			.030	2030	2440					
ET			4.1	2030	2440	5	5			
X1	826770	56	2245	2424	5	5	5	1850	972.4	972.4
BT	16	270	967	967	1750	965.5	965.5	975.1	971	2100
BT	2000	974.7	974.7	2001	974.7	970.6	2050	975.1	971	2100
BT	975.4	971.3	2152	975.6	971.5	2202	975.8	971.7	2245	975.7
BT	971.6	2309	975.6	971.5	2350	975.4	971.1	2400	975.1	971
BT	2464	974.8	970.7	2465	974.8	974.8	3200	975	975	
GR	967	250	967	260	967	270	965.5	1750	972.4	1850
GR	974.7	2000	971.1	2001	960.3	2025	954.7	2042	952.7	2050
GR	971	2050	971	2052	952.7	2052	955.4	2075	954.6	2100
GR	971.3	2100	971.3	2104	954.6	2104	955.3	2125	956	2152
GR	971.5	2152	971.5	2154	956	2154	956.3	2175	956.1	2202
GR	971.7	2202	971.7	2206	956.1	2206	956.5	2225	956.1	2245
GR	950.1	2259	971.6	2259	971.6	2261	968.7	2261	944.1	2273
GR	941.4	2309	971.5	2309	971.5	2313	941.4	2311	941.2	2325
GR	939.7	2350	940.2	2361	971.3	2361	971.3	2363	940.3	2363
GR	940.7	2375	942.7	2400	944.5	2411	971	2411	971	2415
GR	944.5	2415	950.1	2424	968	2450	970.6	2464	974.8	2465
GR	975	3200								

ET			4.1	2030	2440					
X1	826800	0	0	0	30	30	30	0		
X2										

NC			0.043	2070	2480					
ET			4.1	2070	2480	5	5			
X1	826805	25	2245	2480	5	5	5	1750	972.4	1850
GR	980	0	970	260	970	270	970	2050	955.4	2075
GR	975	1930	960.4	2025	954.8	2040	952.8	2050	944	2272
GR	954.7	2100	956	2150	956.3	2175	956	2245	944	2272
GR	941.5	2310	941.1	2325	939.8	2350	940.7	2375	942.8	2400
GR	944.5	2415	950.1	2425	968	2480	975	2530	975	3200

ET			4.1	1350	1710					
X1	826850	16	1538	1700	950	6950	6950	1200	960	1300
GR	965	0	960.0	1000	960.0	1100	960	1568	940.1	1600
GR	960	1400	961.2	1500	959.4	1538	945.6	1708	940.1	1600
GR	941.5	1668	945	1690	954.5	1700	955.7	1708	959.5	1713
GR	970	2500								

11/ 6/90 10: 5:56

PAGE 4

OT	2	13100	13100	2510	2900	4800	4800	1071	1007.8	1085
NC				2510	2900	4800	4800			
ET				2510	2900	4800	4800			
X1	831650	45	2517	2642	4800	4800	4800	1071	1007.8	1085
GR	1009.6	1000	1009	1037	1009.2	1054	1008.8	1300	971.5	1313
GR	1000.1	1100	976.5	1175	975.6	1200	971.8	1700	963.7	1800
GR	969.6	1400	967.7	1500	966.3	1600	965	2200	968.3	2300
GR	962.6	1900	965.4	2000	969.3	2100	970.6	2517	945.7	2525
GR	967.4	2400	966.1	2460	958	2500	955.6	2660	964.5	2700
GR	940.7	2577	945.0	2627	957.2	2662	965.3	3100	961.3	3200
GR	963	2800	961.3	2900	960.4	3000	960.1	3508	985.5	3560
GR	964.5	3300	968.2	3400	972.9	3500	973.1	3660	1012.4	3700
GR	986.4	3600	986.7	3606	986.7	3616	1004.2			
ET			4.1	1920	2110	6040	6040	1300	983.2	1400
X1	837690	32	1923	2073	6040	6040	6040	1800	970	1900
GR	994.9	1000	991.6	1100	989.7	1200	986.6	1958	945.8	2008
GR	979.5	1500	975.6	1600	972	1700	969.7	2200	963.4	2265
GR	971.8	1910	964.7	1923	961.9	1943	948.1	2500	966.4	2545
GR	949.1	2058	960.4	2073	964.9	2100	965.2	2800	981.8	2900
GR	966.2	2294	966.4	2300	965.9	2400	966.3			
GR	980.9	2574	981.7	2600	979.4	2700	980.7			
GR	983.5	3000	987.7	3100						
NC			4.1	2225	2415	55	55	1830	982.5	1930
ET				2225	2415	55	55			
X1	837745	29	2225	2393	55	55	55	2100	963.2	2182
GR	1000	1650	990	1700	985	1730	984	2300	947.3	2325
GR	982	1950	970.1	2025	965.6	2075	964.5	2425	965.5	2450
GR	961.8	2225	949	2344	943	2375	946.6	2650	965.5	2660
GR	947.8	2333	951	2350	962.5	2393	965	3100		
GR	965.3	2500	963.7	2575	963.5	2625	964			
GR	971	2675	982	2780	982.3	2900	981.9			
NC			.030	2225	2420	5	5	1730	985	1985
ET				2225	2420	5	5			
X1	837750	76	2225	2392	5	5	5	981.8	981.8	2001
BT	11	1650	1000	1000	1700	990	990	981.8	2930	982.3
BT	1830	984	984	1930	982.5	982.5	2000			
BT	981.8	978.5	2695	981.8	978.5	2696	981.8			
BT	982.3	3130	981.9	981.9						
GR	1000	1650	950	1700	985	1730	984	1830	982.5	1930
GR	981.8	2000	975.4	2001	970.1	2025	967.6	2050	966.4	2064
GR	978.5	2064	978.5	2066	966.3	2066	965.5	2075	964.5	2100
GR	964.5	2125	964.4	2127	978.5	2127	978.5	2129	964.3	2129
GR	963.5	2150	963.6	2175	963.2	2182	978.5	2182	978.5	2184
GR	963.1	2184	962.2	2200	961.6	2225	948.9	2244	948.8	2249
GR	978.5	2249	978.5	2251	948.7	2251	948	2275	946.5	2300
GR	947	2317	978.5	2317	978.5	2319	947.1	2319	947.3	2325
GR	947.8	2332	951.1	2350	958.2	2375	960.4	2384	978.5	2384
GR	978.5	2386	960.9	2386	962.4	2392	963.5	2400	965.1	2425
GR	965.3	2439	978.5	2459	978.5	2441	965.3	2441	965.4	2450
GR	965.4	2475	965.3	2500	965.2	2503	978.5	2503	978.5	2505

GR	965.2	2505	964.7	2525	964	2560	963.5	2575	963.4	2400
GR	963.4	2608	978.5	2608	978.5	2612	963.4	2612	963.4	2625
GR	964.1	2650	965.4	2658	970.9	2675	978.5	2690	978.5	2695
GR	981.8	2696	982.3	2930	981.9	3130				





NC			0.043									
ET			4.1	2015		2195						
X1	8393.83	17	2045	2175								
GR	980	1315	973.4	1415		974.3	1615	976.1	1815	976.9	1915	
GR	980	1950	966.6	2025		965.5	2065	951	2065	947.8	2100	
GR	950.2	2125	951.9	2154		963.5	2175	969	2200	980	2270	
GR	983.2	2620	990	2800								

ET			4.1	1540		1750						
X1	8394.30	22	1543	1748								
GR	980	1400	967.5	1000		968.2	1400	967.2	1200	967.4	1300	
GR	968.5	1400	969.3	1500		969.5	1543	956.7	1559	957.6	1580	
GR	952.5	1590	951.5	1600		949.9	1665	951.3	1700	952.6	1711	
GR	963.5	1748	964.9	1800		964.4	1900	967.9	2000	967.3	2100	
GR	969.7	2200	970.9	2300								

NC			4.1	1455		1800						
ET			4.1	1600		2020						
X1	8454.50	46	1455	1600		2020						
GR	1010.8	1035	1003.1	1050		979.6	1100	971.4	1120	969.6	1157	
GR	966.4	1165	969.8	1170		973.1	1200	969.6	1300	970.7	1400	
GR	971.2	1555	953.6	1461		951.7	1528	953.4	1595	971.8	1600	
GR	971.9	1700	971.5	1800		970.3	1900	973.2	2000	969.6	2100	
GR	968.6	2200	970.1	2300		970.7	2400	972.7	2500	972.9	2515	
GR	970.9	2600	969.7	2700		969.4	2800	970	2900	970.3	3000	
GR	970.2	3100	971.8	3200		971.5	3300	972.6	3400	974.5	3500	
GR	975.3	3600	981	3700		981	3800	980.7	3900	982	4000	
GR	985.6	4100	986.5	4200		994.2	4300	996.1	4324	995.3	4360	
GR	1017.1	4400										

ET			4.1	3150		3400						
X1	8512.00	37	3240	3377		5750						
GR	1026.6	1000	1016.2	1040		1000.1	1091	1000.3	1098	994.7	1140	
GR	988	1240	984.6	1340		981.5	1440	979.5	1540	977.3	1640	
GR	975.8	1740	975.1	1840		975.3	1940	977.9	2004	976.9	2040	
GR	976.5	2140	973.4	2240		976.1	2340	977.6	2440	977.2	2540	
GR	974.4	2640	977.4	2740		978.2	2840	976.6	2940	976.7	3040	
GR	976.2	3140	976.9	3240		968.9	3277	958.2	3279	957.4	3319	
GR	958.4	3359	974.1	3377		979.6	3440	979.6	3443	978	3465	
GR	986.5	3485	988.8	3540								

11/ 6/90

10: 5:56

ET			4.1	2350		2600						
X1	8533.00	36	2414	2555		2100						
GR	1052.8	1000	1042.4	1050		1033.9	1090	1025	1100	1019.7	1107	
GR	1019.7	1114	1015.5	1150		999.9	1200	985.1	1250	979.5	1300	
GR	976.4	1400	976.2	1500		977	1600	977.6	1700	979.2	1800	
GR	979.6	1900	980.4	2000		977.6	2100	975.3	2200	974.3	2300	
GR	976.8	2400	978.1	2414		959.3	2439	956.6	2491	959.9	2543	
GR	974.5	2555	980.4	2581		979.4	2600	976.6	2700	979.5	2800	
GR	984.7	2863	983.4	2880		992.6	2894	993.8	2900	998.4	2950	
GR	1012.7	3000										

ET			4.1	1640		1840						
X1	8546.40	21	1644	1769		1340						
GR	1002	1000	999	1089		999.4	1139	989.2	1164	988.4	1189	
GR	985.7	1289	984.1	1389		982.1	1420	978.1	1489	975.3	1589	
GR	972.4	1644	962.1	1662		957.7	1707	962	1761	976.2	1769	
GR	975.1	1789	971.2	1889		973.4	1989	978.5	2089	981.3	2189	

GR 1000 2270

NC			4.1	2010	2210						
ET											
X1	854695	18	2070	2192	55	55	55				
GR	1000	1650	990	1690	984.6	1790	982.9	1890	982	1980	
GR	980	1990	975	2000	965.6	2070	962.5	2075	958	2100	
GR	957.6	2125	957.5	2150	960	2175	969.8	2192	980	2280	
GR	983	2580	990	2680	1000	2730					

NC			0.03	2010	2210						
ET											
X1	854700	36	2069	2192	5	5	5				
BT	12	1650	1000	1000	1690	990	990	1790	984.6	984.6	
BT	1890	982.9	982.9	1980	982	982	2000	981.8	981.8	2001	
BT	981.8	977	2220	981.8	977	2221	981.8	981.8	2580	983	
BT	983	2680	990	990	2730	1000	1000				
GR	1000	1650	990	1690	984.6	1790	982.9	1890	982	1980	
GR	981.8	2000	975.1	2001	972.2	2025	968.6	2050	958	2054	
GR	977	2054	977	2057	967.5	2057	965.6	2069	962.5	2073	
GR	958.1	2100	957.9	2109	977	2109	977	2112	957.9	2112	
GR	957.6	2125	957.6	2150	959	2164	977	2164	977	2167	
GR	959.3	2167	960.1	2173	962.4	2180	969.8	2192	970.9	2200	
GR	974.4	2210	981.1	2210	981.8	2221	983	2580	990	2680	
GR	1000	2730									

ET			4.1	2010	2210						
X1	854730	0	0	0	30	30	30				
X2											

NC			0.043	2010	2210						
ET			4.1								

11/ 6/90 10: 5:56

PAGE 8

X1	854735	18	2070	2192	5	5	5				
GR	1000	1650	990	1690	984.6	1790	982.9	1890	982	1980	
GR	980	1990	975	2000	965.6	2070	962.5	2075	958	2100	
GR	957.6	2125	957.5	2150	960	2175	969.8	2192	980	2280	
GR	983	2580	990	2680	1000	2730					

ET			4.1	1640	1840						
X1	854780	21	1644	1769	45	45	45				
GR	1002	1000	999	1089	999.4	1135	989.2	1164	988.4	1189	
GR	985.7	1289	984.1	1389	982.1	1420	978.1	1489	975.3	1589	
GR	972.4	1644	962.1	1662	957.7	1707	962	1761	976.2	1769	
GR	975.1	1789	971.2	1589	973.4	1989	978.5	2089	981.3	2189	
GR	1000	2270									

NC			4.1	1090	1290						
ET											
X1	855500	22	1095	1275	720	720	720				
GR	1012.9	1000	987.5	1050	982.7	1055	982.7	1073	976.2	1082	
GR	975.8	1095	962.7	1096	959.1	1178	962.7	1260	976.8	1275	
GR	976.3	1350	975.7	1450	978.6	1550	981.8	1650	985.1	1715	
GR	995.3	1750	995.6	1763	995.4	1800	1007.5	1821	1011.6	1850	
GR	1014.5	1883	1021.1	1950							

11/ 6/90 10: 5:56

PAGE 9

SECNO DS/TH CHSEL CRIMS WSELK EG HV HL OLOSS BANK ELEV

THIS RUN EXECUTED 11/ 6/90 10: 6:30

\*\*\*\*\*  
 HEC2 RELEASE DATED SEP 88 UPDATED SEPT 1989  
 ERROR CORR - 01,02,03  
 MODIFICATION -  
 \*\*\*\*\*

NOTE- ASTERISK (\*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

UPPER YADKIN RIV 100 YR

SUMMARY PRINTOUT

SECNO	CWSEL	EG	ELMIN	ELLC	10*KS	Q
819600.000	959.20	959.45	931.50	.06	2.34	20500.00
819600.000	960.20	960.46	931.50	.00	2.37	20500.00
819610.000	959.85	960.12	932.60	.00	2.52	20500.00
819610.000	960.83	961.11	932.60	.00	2.37	20500.00
919669.000	959.87	960.13	932.60	.00	2.50	20500.00
919669.000	960.85	961.12	932.60	.00	2.38	20500.00
819674.000	959.82	960.21	932.60-999999.00	.00	3.80	20500.00
819674.000	960.79	961.21	932.60-999999.00	.00	3.69	20500.00
819700.000	959.83	960.22	932.60-999999.00	.00	3.80	20500.00
819700.000	960.80	961.22	932.60-999999.00	.00	3.69	20500.00
819705.000	960.02	960.28	932.60	.00	2.44	20500.00
819705.000	961.00	961.27	932.60	.00	2.32	20500.00
819750.000	960.03	960.29	932.60	.00	2.44	20500.00
819750.000	961.01	961.28	932.60	.00	2.31	20500.00
* 826700.000	962.56	963.08	940.10	.00	6.99	20500.00
* 826700.000	963.41	964.01	940.10	.00	7.00	20500.00
826765.000	962.78	963.17	939.80	.00	5.19	20500.00
826765.000	963.79	964.14	939.80	.00	4.44	20500.00
826770.000	962.73	963.26	939.70	971.60	6.64	20500.00
826770.000	963.75	964.21	939.70	971.60	5.72	20500.00
826800.000	962.75	963.28	939.70	.00	6.62	20500.00
826800.000	963.77	964.23	939.70	.00	5.71	20500.00



SECNO	CWSEL	EG	ELMIN	ELLC	10*KS	Q
826805.000	962.96	963.34	939.80	.00	5.02	20500.00
826805.000	963.93	964.28	939.80	.00	4.33	20500.00
826850.000	962.90	963.50	940.10	.00	7.42	20500.00
826850.000	963.85	964.46	940.10	.00	6.76	20500.00
831650.000	965.74	966.03	940.70	.00	3.20	13100.00
831650.000	966.56	966.89	940.70	.00	3.28	13100.00
837690.000	968.07	968.42	945.80	.00	4.91	13100.00
837690.000	968.84	969.20	945.80	.00	4.49	13100.00
837745.000	968.21	968.48	946.60	.00	3.64	13100.00
837745.000	968.96	969.25	946.60	.00	3.69	13100.00
837750.000	968.20	968.50	946.50-999999.00	.00	3.54	13100.00
837750.000	968.95	969.27	946.50-999999.00	.00	3.57	13100.00
837780.000	968.21	968.51	946.50-999999.00	.00	3.53	13100.00
837780.000	968.97	969.28	946.50-999999.00	.00	3.57	13100.00
837785.000	968.25	968.52	946.60	.00	3.61	13100.00
837785.000	969.00	969.29	946.60	.00	3.67	13100.00
837830.000	968.24	968.59	945.80	.00	4.72	13100.00
837830.000	968.99	969.35	945.80	.00	4.36	13100.00
839290.000	968.99	969.24	949.90	.00	3.93	13100.00
839290.000	969.69	969.95	949.90	.00	3.69	13100.00
839345.000	968.89	969.46	947.80	.00	7.98	13100.00
839345.000	969.61	970.14	947.80	.00	6.89	13100.00
839350.000	968.87	969.50	947.50	974.90	7.76	13100.00
839350.000	969.59	970.17	947.50	974.90	6.84	13100.00
839378.000	968.89	969.53	947.50	974.90	7.73	13100.00
839378.000	969.61	970.19	947.50	974.90	6.81	13100.00
839383.000	968.99	969.56	947.80	.00	7.81	13100.00
839383.000	969.71	970.22	947.80	.00	6.77	13100.00
* 839430.000	969.49	969.72	949.90	.00	3.45	13100.00
* 839430.000	970.11	970.35	949.90	.00	3.38	13100.00
845450.000	971.83	972.15	951.70	.00	4.64	13100.00
845450.000	972.42	972.77	951.70	.00	4.65	13100.00
* 851200.000	975.55	976.11	955.40	.00	10.58	13100.00
* 851200.000	976.11	976.73	955.40	.00	10.47	13100.00

11/ 8/90 10: 5:56

SECNO	CWSEL	EG	ELMIN	ELLC	10*KS	Q
853300.000	977.41	977.86	956.60	.00	6.60	13100.00
853300.000	977.97	978.42	956.60	.00	6.15	13100.00



854640.000	978.32	978.79	957.70	.00	7.16	13100.00
854640.000	978.82	979.36	957.70	.00	7.51	13100.00
854695.000	978.38	978.83	957.50	.00	5.30	13100.00
854695.000	979.02	979.45	957.50	.00	4.80	13100.00
* 854700.000	978.32	978.93	957.60-999999.00	.00	13.56	13100.00
* 854700.000	978.95	979.56	957.60-999999.00	.00	13.59	13100.00
854730.000	978.36	978.97	957.60-999999.00	.00	13.56	13100.00
854730.000	978.99	979.60	957.60-999999.00	.00	13.59	13100.00
* 854735.000	978.61	979.05	957.50	.00	5.08	13100.00
* 854735.000	979.27	979.68	957.50	.00	4.59	13100.00
854780.000	978.64	979.07	957.70	.00	6.61	13100.00
854780.000	979.25	979.77	957.70	.00	6.89	13100.00
855500.000	979.19	979.45	959.10	.00	3.48	13100.00
* 855500.000	979.90	980.15	959.10	.00	3.15	13100.00

11/ 6/90 10: 5:56

UPPER YADKIN RIV 100 YR  
SUMMARY PRINTOUT

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID	10*KS
819600.000	959.20	1975.80	2070.00	2272.00	2484.35	508.55	2.34
819600.000	960.20	2070.00	2070.00	2272.00	2360.00	290.00	2.37
819610.000	959.85	1980.89	2070.00	2272.00	2479.33	498.44	2.52
819610.000	960.83	2050.00	2070.00	2272.00	2330.00	280.00	2.37
819669.000	959.87	1937.43	2070.00	2272.00	2461.04	523.61	2.50
819669.000	960.85	2020.00	2070.00	2272.00	2300.00	280.00	2.38
819674.000	959.82	2006.24	2069.00	2225.00	2464.29	433.05	3.80
819674.000	960.79	2020.00	2069.00	2225.00	2300.00	263.00	3.69
819700.000	959.83	2006.22	2069.00	2225.00	2464.31	433.09	3.80
819700.000	960.80	2020.00	2069.00	2225.00	2300.00	263.00	3.69
819705.000	960.02	1935.66	2070.00	2272.00	2461.30	525.64	2.44
819705.000	961.00	2020.00	2070.00	2272.00	2300.00	280.00	2.32
819750.000	960.03	1979.47	2070.00	2272.00	2480.55	501.07	2.44
819750.000	961.01	2040.00	2070.00	2272.00	2320.00	280.00	2.31
* 826700.000	962.56	358.99	1538.00	1700.00	1942.27	1583.29	6.99
* 826700.000	963.41	1300.00	1538.00	1700.00	1710.00	410.00	7.00
826765.000	962.78	2009.48	2245.00	2480.00	2463.98	454.49	5.19
826765.000	963.79	2070.00	2245.00	2480.00	2467.06	397.06	4.44
826770.000	962.73	2019.59	2245.00	2424.00	2442.35	398.76	6.64
826770.000	963.75	2030.00	2245.00	2424.00	2440.00	386.00	5.72
826800.000	962.75	2019.55	2245.00	2424.00	2442.38	398.82	6.62

826800.000	963.77	2030.00	2245.00	2424.00	2440.00	386.00	5.71
826805.000	962.96	2008.34	2245.00	2480.00	2464.51	456.17	5.02
826805.000	963.93	2070.00	2245.00	2480.00	2467.50	397.50	4.33
826850.000	962.90	1420.61	1538.00	1700.00	1967.61	1547.01	7.42
826850.000	963.85	1350.00	1538.00	1700.00	1710.00	380.00	6.76
831650.000	965.74	1642.96	2517.00	2642.00	3333.55	1237.57	3.20
831650.000	966.56	2510.00	2517.00	2642.00	2900.00	390.00	3.28
837690.000	964.07	1916.84	1923.00	2073.00	2110.00	631.49	4.91
837690.000	963.84	1920.00	1923.00	2073.00	2110.00	190.00	4.49
837745.000	968.21	2045.98	2225.00	2393.00	2667.40	621.42	3.64
837745.000	968.96	2225.00	2225.00	2393.00	2415.00	190.00	3.69

11/ 6/90 10: 5:16

SECNO	CWSEL	SSTA	STCHL	STCHR	EROST	TOPWID	10*KS
837750.000	968.20	2043.71	2225.00	2392.00	2666.68	602.77	3.54
837750.000	968.95	2225.00	2225.00	2392.00	2420.00	189.00	3.57
837780.000	968.21	2043.85	2225.00	2392.00	2666.70	602.84	3.53
837780.000	968.97	2225.00	2225.00	2392.00	2420.00	189.00	3.57
837785.000	968.25	2045.51	2225.00	2393.00	2667.51	622.00	3.61
837785.000	969.00	2225.00	2225.00	2393.00	2415.00	190.00	3.67
837830.000	968.24	1916.52	1923.00	2073.00	2548.68	632.17	4.72
837830.000	968.99	1920.00	1923.00	2073.00	2110.00	190.00	4.36
839290.000	968.99	1540.00	1543.00	1748.00	2170.37	1159.30	3.93
839290.000	969.69	1540.00	1543.00	1748.00	1750.00	210.00	3.69
839345.000	968.89	2012.19	2045.00	2175.00	2199.50	187.31	7.98
839345.000	969.61	2015.00	2045.00	2175.00	2195.00	180.00	6.89
839350.000	968.87	2016.88	2047.00	2175.00	2200.59	177.71	7.76
839350.000	969.59	2015.00	2047.00	2175.00	2195.00	174.00	6.84
839378.000	968.89	2016.81	2047.00	2175.00	2200.67	177.86	7.73
839378.000	969.61	2015.00	2047.00	2175.00	2195.00	174.00	6.81
839383.000	968.99	2011.60	2045.00	2175.00	2199.97	188.37	7.91
839383.000	969.71	2015.00	2045.00	2175.00	2195.00	180.00	6.77
* 839430.000	969.49	904.27	1543.00	1748.00	2131.43	1285.95	3.45
* 839430.000	970.11	1540.00	1543.00	1748.00	1750.00	210.00	3.38
845450.000	971.83	1118.94	1455.00	1600.00	3330.35	1977.34	4.64
845450.000	972.42	1455.00	1455.00	1600.00	1800.00	345.00	4.65
* 851200.000	975.55	1628.55	3240.00	3377.00	3416.54	1640.66	10.58
* 851200.000	976.11	3150.00	3240.00	3377.00	3400.00	250.00	10.47
853300.000	977.41	1367.52	2414.00	2555.00	2727.81	807.94	8.60
853300.000	977.97	2350.00	2414.00	2555.00	2570.28	218.68	8.15
854640.000	978.32	1485.25	1644.00	1769.00	2085.41	600.16	7.16



854640.000	978.82	1640.00	1644.00	1769.00	1840.00	200.00	7.51
854695.000	978.38	1993.23	2070.00	2192.00	2266.05	272.82	5.30
854695.000	979.02	2010.00	2070.00	2192.00	2210.00	200.00	4.80
* 854700.000	978.32	2000.52	2069.00	2192.00	2215.85	215.34	13.56
* 854700.000	978.95	2010.00	2069.00	2192.00	2210.00	200.00	13.59
854730.000	978.36	2000.51	2069.00	2192.00	2215.91	215.39	13.56
854730.000	978.99	2010.00	2069.00	2192.00	2210.00	200.00	13.59

11/ 6/90 10: 5:56

SECNO	CWSEL	SSTA	STCHL	STCHR	ENDST	TOPWID	10*KS
* 854735.000	978.61	1992.78	2070.00	2192.00	2268.02	275.25	5.08
* 854735.000	979.27	2010.00	2070.00	2192.00	2210.00	200.00	4.59
854780.000	978.64	1479.60	1644.00	1769.00	2094.17	614.57	6.61
854780.000	979.25	1640.00	1644.00	1769.00	1840.00	200.00	6.89
855500.000	979.19	1077.65	1095.00	1275.00	1568.54	490.89	3.48
* 855500.000	979.90	1090.00	1095.00	1275.00	1290.00	200.00	3.15

11/ 6/90 10: 5:56

SUMMARY OF ERRORS AND SPECIAL NOTES

- WARNING SECNO= 826700.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
- WARNING SECNO= 826700.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
- WARNING SECNO= 839430.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
- WARNING SECNO= 839430.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
- WARNING SECNO= 851200.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
- WARNING SECNO= 851200.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
- WARNING SECNO= 854700.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
- WARNING SECNO= 854700.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
- WARNING SECNO= 854735.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
- WARNING SECNO= 854735.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE
- WARNING SECNO= 855500.000 PROFILE= 2 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE

11/ 6/90 10: 5:56

FLOODWAY DATA, UPPER YADKIN RIV 100 YR  
 PROFILE NO. 2

STATION	WIDTH	FLOODWAY SECTION	MEAN	WATER SURFACE ELEVATION
				WITH WITHOUT DIFFERENCE



w/      w/o

AREA    VELOCITY    FLOODWAY    FLOODWAY

Station	Area	Velocity	Floodway	Floodway	Velocity
2	819600.000	290.	5756.	960.7	959.2
3	819610.000	280.	5522.	960.8	959.9
4	919669.000	280.	5477.	960.8	959.9
5	819674.000	280.	5175.	960.8	959.8
6	819700.000	280.	5177.	960.8	959.8
7	819705.000	280.	5520.	961.0	960.0
8	819750.000	280.	5555.	961.0	960.0
9	826700.000	410.	4343.	963.4	962.6
10	826765.000	397.	5397.	963.8	962.8
11	826770.000	410.	5221.	963.7	962.7
12	826800.000	410.	5227.	963.8	962.8
13	826805.000	397.	5453.	963.9	962.9
14	826850.000	360.	5911.	963.9	962.9
15	831650.000	390.	3690.	966.6	965.7
16	837690.000	190.	2911.	968.8	968.1
17	837745.000	190.	3156.	969.0	968.3
18	837750.000	195.	3048.	969.0	968.3
19	837780.000	195.	3048.	969.0	968.3
20	837780.000	195.	3048.	969.0	968.3
21	837785.000	190.	3143.	969.0	968.3
22	837830.000	190.	2939.	969.0	968.3
23	839290.000	210.	3236.	969.7	969.0
24	839345.000	180.	2709.	969.6	968.9
25	839350.000	180.	2302.	969.6	968.9
26	839378.000	180.	3105.	969.7	969.0
27	839383.000	180.	3426.	969.7	969.0
28	839430.000	210.	3321.	970.1	969.5
29	845450.000	345.	2894.	972.4	971.8
30	851200.000	250.	2263.	976.4	975.8
31	853300.000	220.	2551.	978.0	977.4
32	854640.000	200.	2490.	978.8	978.3
33	854695.000	200.	3069.	979.0	978.4
34	854700.000	200.	3499.	979.0	978.4
35	854730.000	200.	3499.	979.0	978.4
36	854735.000	200.	3119.	979.3	978.6
37	854780.000	200.	2577.	979.3	978.6
38	855500.000	200.	3346.	979.9	979.2