

Millet

Branch

CITY OF HICKORY FIS 10, 50, 100 & 500 YEAR FLOODS
 10 YEAR FLOOD PROFILE ALL DATA CHECKED BY RND CHECKED BY CAP
 MILLER BRANCH O'BRIEN & GERE INC/ENGINEERS

7/1 - .07 -11
 7/3 - .05 -11

Station	100	50	100	500	Year	Profile	Profile	Profile	Profile
1-000 T1	105	150	201						
2-000 T2	.11	.05	.1	.3					
3-000 T3	73	1250	1491	1936					
4-000 J1	23	463	382						
5-100 J3	200	949.5	225	943.0	247	935.5	270	931.5	293
6-130 J6	316	928.0	340	924.5	363	920.0	368	919.6	369
7-000 HC	371	919.7	373	920.0	374	924.5	382	927.0	430
8-100 GR	477	933.5	523	941.0	573	945.0	620	947.5	660
9-130 GR	705	953.0	751	955.5	794				
10-000 J1	573	1003	1213	1622					
10-000 X1	23	363	382	660	660	660			
10-100 GR	200	949.5	225	943.0	247	935.5	270	931.5	293
10-110 GR	316	928.0	340	924.5	363	920.0	368	919.6	369
10-120 GR	371	919.7	373	920.0	374	924.5	382	927.0	430
10-130 GR	477	933.5	523	941.0	573	945.0	620	947.5	660
10-140 GR	705	953.0	751	955.5	794				
11-000 HC	.06	.05							
12-000 Q1	498	870	1074	1404					
13-000 X1	18	345	370	1980	1980	1980			
13-100 GR	200	959.5	225	949.0	250	947.5	276	947.5	319
13-110 GR	345	942.5	353	942.0	354	942.1	356	942.1	358
13-120 GR	359	946.0	370	951.0	393	955.0	421	961.5	449
13-130 GR	477	972.5	504	979.5	534				
14-000 NC	.11	.05							
15-000 X1	25	572	596	1150	1150	1150			
15-100 GR	200	995.0	240	987.5	280	982.5	316	977.5	358
15-110 GR	394	969.0	431	966.5	475	965.0	539	962.5	572
15-120 GR	583	959.7	584	959.5	586	959.6	588	960.0	589
15-130 GR	596	965.0	634	965.5	673	967.5	710	968.5	750
15-140 GR	790	977.0	830	984.0	870	990.5	910	997.5	950
16-000 NC	.11	.05							
17-000 Q1	379	664	810	1085					
18-000 X1	24	510	575	1280	1280	1280			
18-050 X3	10								
18-100 GR	200	1007.5	233	999.5	263	989.5	301	985.0	335
18-110 GR	372	981.0	413	983.0	463	981.5	510	977.0	520
18-120 GR	521	976.5	523	976.6	525	977.0	526	979.5	540
18-130 GR	575	980.5	608	982.0	648	984.5	683	990.0	719
18-140 GR	752	1001.5	787	1005.5	819	1012.0	853		
20-000 EJ									
21-000 T1									
22-000 T2									
23-000 T3									
24-000 J1								917.72	628
25-000 J2									
26-000 T1									
27-000 T2									
28-000 T3									
29-000 J1								918	634

CITY OF HICKORY FIS 10, 50, 100 & 500 YEAR FLOODS
 50 YEAR FLOOD PROFILE
 MILLER BRANCH

CITY OF HICKORY FIS 10, 50, 100 & 500 YEAR FLOODS
 100 YEAR FLOOD PROFILE
 MILLER BRANCH

30,000 J1
31,000 J1
32,000 J2
33,000 J3
34,000 J1
35,000 J2
36,000
37,000
38,000
39,000 FR
EOT HIT AFTER 39.

CITY OF HICKORY FIS 10, 50, 100 & 500 YEAR FLOODS
500 YEAR FLOOD PROFILE
HULLER BRANCH
5
918.29 .610

09226 05/01/78 0861027 R-B

1121

PERCH CALCULATION SHOULD BE DONE BY HAND TO INCLUDE SCS STUDY

-CISUNN CASH

#15 597-732

MILLER BRANCH

0'B

SUMMARY PRINTOUT TABLE 100

SECNO	ELMC	ELLC	HL	OLOSS	TOPWID	QLOB	QWEIR	CLASS	H3	DEPTH	CMSEL	AREA	EG
MILLER BRANCH			0'B										
SUMMARY PRINTOUT TABLE 105													
SECNO	CMSEL	HL	OLOSS	TOPWID	QLOB	QWEIR	CLASS	H3	DEPTH	CMSEL	AREA	EG	01K
MILLER BRANCH	0'B												
SUMMARY PRINTOUT TABLE 150													
SECNO	XLCH	ELTRD	ELLC	ELMIN	Q	CMSEL	CRINS	EG	10K*5	VCH	AREA	EG	01K
9501.000	660.00	.00	.00	919.50	411.41	924.25	.00	925.16	193.35	7.68	53.56	29.59	91.74
9501.000	660.00	.00	.00	919.50	629.88	925.12	924.70	926.35	192.79	8.22	74.99	45.37	113.80
9501.000	660.00	.00	.00	919.50	781.17	925.59	925.41	926.99	190.72	9.61	94.29	56.56	127.98
* 9501.000	660.00	.00	.00	919.50	989.42	926.18	926.18	927.70	180.20	10.21	126.77	73.71	144.10
9502.000	1980.00	.00	.00	942.00	357.56	946.73	.00	947.12	77.49	5.05	71.81	40.62	29.59
9502.000	1980.00	.00	.00	942.00	546.36	947.54	946.29	948.06	76.26	5.84	105.33	62.57	113.80
9502.000	1980.00	.00	.00	942.00	691.66	947.94	.00	948.49	75.48	6.23	147.55	79.61	127.98
9502.000	1980.00	.00	.00	942.00	856.44	948.28	.00	948.86	75.49	6.58	187.27	98.57	144.10
9503.000	1150.00	.00	.00	959.50	357.56	963.05	.00	963.80	210.68	6.94	53.17	24.63	29.59
9503.000	1150.00	.00	.00	959.50	546.36	963.63	963.56	964.61	209.20	8.11	76.91	37.77	113.80
9503.000	1150.00	.00	.00	959.50	691.66	964.04	964.04	965.10	192.67	8.56	100.82	49.83	127.98
* 9503.000	1150.00	.00	.00	959.50	856.44	964.44	964.44	965.56	180.98	8.99	128.91	63.66	144.10
9504.000	1280.00	.00	.00	976.50	372.12	980.31	.00	980.55	94.55	3.97	68.47	27.99	29.59
9504.000	1280.00	.00	.00	976.50	416.99	980.93	.00	981.21	93.42	4.23	98.52	43.14	113.80
9504.000	1280.00	.00	.00	976.50	521.64	981.26	.00	981.57	95.90	4.76	116.84	53.27	127.98
* 9504.000	1280.00	.00	.00	976.50	661.85	981.49	980.72	981.88	114.57	5.03	131.61	61.83	144.10
MILLER BRANCH			0'B										
SUMMARY PRINTOUT TABLE 150													

SECNO	U	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
191.000	527.73	917.71	.00	.00	.00	75.68	.00
191.000	785.00	917.72	.51	.00	.00	91.45	.00
191.000	960.20	918.00	.28	.00	.00	100.11	.00
191.000	1180.96	918.29	.29	.00	.00	108.94	.00
9501.000	411.41	924.25	.00	7.04	.00	18.27	660.00
9501.000	629.88	925.12	.87	7.40	.00	34.95	660.00
9501.000	781.17	925.59	.47	7.59	.00	47.07	660.00
9501.000	989.42	926.18	.59	7.89	.00	62.37	660.00
9502.000	357.56	946.73	.00	22.48	.00	27.85	1980.00
9502.000	546.36	947.54	.81	22.42	.00	101.71	1980.00
9502.000	691.66	947.94	.40	22.35	.00	110.44	1980.00
9502.000	856.44	948.28	.35	22.10	.00	118.07	1980.00
9503.000	357.56	963.05	.00	16.33	.00	32.36	1150.00
9503.000	546.36	963.63	.57	16.09	.00	50.76	1150.00
9503.000	691.66	964.04	.42	16.11	.00	64.15	1150.00
9503.000	856.44	964.44	.40	16.16	.00	76.97	1150.00
9504.000	272.12	980.31	.00	17.25	.00	41.38	1280.00
9504.000	416.99	980.93	.63	17.31	.00	53.82	1280.00
9504.000	521.64	981.26	.32	17.22	.00	60.16	1280.00
9504.000	661.85	981.49	.23	17.05	.00	64.82	1280.00

SUMMARY OF ERRORS

CAUTION SECNO= 9501.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 9501.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 9503.000 PROFILE= 3 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 9503.000 PROFILE= 3 MINIMUM SPECIFIC ENERGY
 CAUTION SECNO= 9503.000 PROFILE= 4 CRITICAL DEPTH ASSUMED
 CAUTION SECNO= 9503.000 PROFILE= 4 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 9504.000 PROFILE= 4 WSEL ASSUMED BASED ON MIN DIFF
 CAUTION SECNO= 9504.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

1 FLOOD INSURANCE ZONE DATA FOR MILLER BRANCH D/B

FLOOD HAZARD FACTOR FOR ENTIRE REACH USING SECTIONS

SECTION NUMBER	CUMULATIVE DISTANCE	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND
10	2	0.2

191.000	0.	-.79	-.28	.29
9501.000	660.	-1.34	-.47	.59
9502.000	2640.	-1.21	-.40	.35
9503.000	3790.	-.99	-.42	.40
9504.000	5070.	-.95	-.32	.23

WEIGHTED AVG FOR REACH -1.13 -.40 .41

FIH FOR THE REACH = 010 WITH 100.0% OF THE REACH WITHIN .5 FEET
ZONE FOR THE REACH = A 2.

 HEC2 RELEASE DATED NOV 76 UPDATED AUG 1977
 ERROR CORR - 01.02
 MODIFICATION - 50,51,52,53
