

# BULLTAIL BRANCH

Das Document/Inc

*Final w/ Flood*

THIS RUN EXECUTED 07 JUL 81 08.35.01

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 HEC2 RELEASE DATED NOV 76 UPDATED APRIL 1980  
 ERROR CORR - 01,02,03,04  
 MODIFICATION - 50,51,52,53,54  
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T1 BULLTAIL BRANCH  
 T2 MOORES BASIN-PENDER CO  
 T3 10-YEAR FLOOD

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-0.	2.	-0.	-0.	.002000	-0.	-0.	-0.	50.000	-0.
J2	NPROF	IPLGT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	-0.	-0.	-.100	-0.	-0.	-0.	-1.000	-0.	-0.	-0.
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	110.000	150.000	200.000	201.000	-0.	-0.	-0.	-0.	-0.	-0.
J6	IHLER	ICOPY								
	1.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
NC	.200	.200	.090	.100	.300	-0.	-0.	-0.	-0.	-0.
QT	5.000	630.000	1245.000	1615.000	2785.000	1615.000	-0.	-0.	-0.	-0.
X1	6.000	14.000	380.000	400.000	-0.	-0.	-0.	-0.	-0.	-0.
GR	59.900	0.	58.100	100.000	54.600	200.000	52.800	300.000	45.500	380.000
GR	42.800	386.000	42.000	391.000	42.700	356.000	45.800	400.000	46.200	500.000
GR	47.700	600.000	48.900	700.000	49.100	600.000	60.000	1170.000	-0.	-0.
X1	7.000	15.000	382.000	400.000	5200.000	5200.000	5095.000	-0.	-0.	-0.
GR	60.000	0.	64.400	100.000	51.800	200.000	56.500	202.000	55.000	300.000
GR	56.000	382.000	51.700	387.000	51.600	300.000	51.700	394.000	56.400	400.000
GR	55.400	500.000	57.700	600.000	59.900	700.000	61.800	800.000	70.000	1950.000
X1	8.100	18.000	4044.800	4066.600	560.000	560.000	500.000	-0.	-0.	-0.
X4	1.000	63.600	3760.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.
GR	70.600	-0.	64.800	360.000	62.700	300.000	62.200	396.000	62.000	4044.800
GR	58.700	4049.100	56.400	4051.500	53.500	4052.500	53.300	4059.000	54.300	4060.000
GR	56.300	4062.000	60.600	4063.700	62.000	4066.600	62.400	4160.000	63.500	4260.000
GR	65.000	4360.000	66.400	4400.000	70.000	4605.000	-0.	-0.	-0.	-0.
NC	-0.	-0.	.091	.300	.500	-0.	-0.	-0.	-0.	-0.

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T1 BULLTAIL BRANCH  
 T2 PENDER CO NORTH CAROLINA  
 T3 50-YEAR

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	FVINS	Q	WSEL	FG
	-0.	3.	-0.	-0.	.002000	-0.	-0.	-0.	50.000	-0.
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	-0.	-1.000	-0.	-0.	-0.	-1.000	-0.	-0.	-0.



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T1 BULLTAIL BRANCH  
 T2 PENDER CO NORTH CAROLINA  
 T3 50-YEAR

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	FVINS	G	WSEL	FG
	-0.	3.	-0.	-0.	.002000	-0.	-0.	-0.	50.000	-0.
J2	NPROF	IPLLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	-0.	-1.000	-0.	-0.	-0.	-1.000	-0.	-0.	-0.

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 MODIFICATION - 50,51,52,53,54  
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T1 BULLTAIL BRANCH  
 T2 PENDER CO NORTH CAROLINA  
 T3 100-YEAR

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-0.	4.	-0.	-0.	.002000	-0.	-0.	-0.	50.000	-0.
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLEC	IBW	CHNIM	ITRACE
	3.000	-0.	-1.000	-0.	-0.	-0.	-1.000	-0.	-0.	-0.

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 ERROR CORR - 01,02,03,04  
 MODIFICATION - 50,51,52,53,54  
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T1 BULLTAIL BRANCH  
 T2 FENDER CO. NORTH CAROLINA  
 T3 500-YEAR

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	FVINS	Q	WSEL	FG
	-0.	5.	-0.	-0.	.002000	-0.	-0.	-0.	50.000	-0.
J2	NPROF	II-LOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	-0.	-1.000	-0.	-0.	-0.	-1.000	-0.	-0.	-0.



THIS RUN EXECUTED 07 JUL 81 08.35.02

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 HEC2 RELEASE DATED NOV 76 UPDATED APR 1980  
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 MODIFICATION - 50,51,52,53,54  
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NOTE- ASTERISK (\*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

AR FLOOD

SUMMARY PRINTOUT TABLE 110

SECTO	CASEL	DIFKWS	EG	TOPWID	GLOB	GCH	GRGB	PERENC	STENCL	STCHL	STCHR	STENCH
6.000	49.05	- .95	49.09	433.48	25.94	253.95	350.11	0.	0.	380.00	400.00	0.
6.000	50.36	.36	50.39	514.43	65.56	359.18	820.26	0.	0.	380.00	400.00	0.
6.000	50.96	.96	51.00	541.83	91.81	411.67	1111.52	0.	0.	380.00	400.00	0.
6.300	52.48	2.48	52.52	611.06	184.44	555.86	2044.71	0.	0.	380.00	400.00	0.
7.000	58.45	0.	58.46	394.76	216.90	179.45	233.66	0.	0.	382.00	400.00	0.
7.000	59.83	0.	59.85	473.65	433.30	263.22	548.48	0.	0.	382.00	400.00	0.
7.000	60.47	0.	60.49	513.95	557.84	306.90	750.25	0.	0.	382.00	400.00	0.
7.000	62.45	0.	62.38	644.35	938.84	427.26	1418.89	0.	0.	382.00	400.00	0.
8.100	62.53	0.	62.88	277.67	20.91	596.18	12.90	0.	0.	4044.80	4066.60	0.
8.100	63.64	0.	63.92	513.26	283.66	772.23	189.14	0.	0.	4044.80	4066.60	0.
8.100	64.09	0.	64.32	578.47	468.90	828.34	317.76	0.	0.	4044.80	4066.60	0.
8.100	65.14	0.	65.31	955.45	1188.61	949.13	747.26	0.	0.	4044.80	4066.60	0.
8.200	63.40	0.	63.47	468.51	115.00	239.25	275.75	0.	0.	4051.50	4060.75	0.
8.200	64.45	0.	64.51	634.41	392.78	308.41	543.82	0.	0.	4051.50	4060.75	0.
8.200	64.86	0.	64.92	734.85	568.45	344.94	701.61	0.	0.	4051.50	4060.75	0.
8.200	65.84	0.	65.89	1468.60	1209.83	418.86	1156.31	0.	0.	4051.50	4060.75	0.
8.300	63.41	0.	63.47	468.61	115.05	239.21	275.75	0.	0.	4051.50	4060.75	0.
8.300	64.46	0.	64.52	635.17	393.39	307.82	543.78	0.	0.	4051.50	4060.75	0.
8.300	64.87	0.	64.93	742.75	569.84	343.69	701.47	0.	0.	4051.50	4060.75	0.
8.300	65.85	0.	65.91	1499.41	1213.30	416.71	1154.98	0.	0.	4051.50	4060.75	0.
8.400	63.56	0.	63.64	498.17	134.20	467.02	88.78	0.	0.	4044.80	4066.60	0.
8.400	64.63	0.	64.69	660.25	433.48	513.88	297.64	0.	0.	4044.80	4066.60	0.
8.400	65.65	0.	65.11	881.54	619.25	570.00	425.75	0.	0.	4044.80	4066.60	0.
8.400	66.64	0.	66.09	1647.24	1296.75	681.42	806.83	0.	0.	4044.80	4066.60	0.
9.000	64.57	0.	64.50	525.75	73.00	319.92	237.08	0.	0.	425.00	525.00	0.
9.000	65.93	0.	65.94	655.41	169.58	579.84	495.58	0.	0.	425.00	525.00	0.
9.000	66.51	0.	66.52	705.42	232.30	725.47	617.24	0.	0.	425.00	525.00	0.
9.000	67.87	0.	67.88	840.86	468.44	1144.22	1172.35	0.	0.	425.00	525.00	0.



AR FLOOD

SUMMARY PRINTOUT TABLE 150

SECKO	XLCH	ELTRD	ELLC	ELMIN	Q	CWSEL	CRWS	EG	10K*S	VCH	AREA	.01M
6.000	-0.	0.	0.	42.00	630.00	49.05	46.89	49.09	20.07	2.22	768.96	140.61
6.000	-0.	0.	0.	42.00	1245.00	50.36	47.73	50.39	20.22	2.56	1401.06	276.66
6.000	-0.	0.	0.	42.00	1615.00	50.96	47.98	51.00	20.19	2.70	1718.77	359.39
6.050	-0.	0.	0.	42.00	2785.00	52.48	48.74	52.52	20.07	3.04	2595.15	621.61
7.000	5095.00	0.	0.	51.60	630.00	58.45	56.40	58.46	16.57	1.85	920.52	154.76
7.000	5095.00	0.	0.	51.60	1245.00	59.83	57.03	59.85	16.67	2.16	1519.88	304.97
7.000	5095.00	0.	0.	51.60	1615.00	60.47	57.16	60.49	16.80	2.30	1833.11	393.56
7.000	5095.00	0.	0.	51.60	2785.00	62.05	57.76	62.08	17.05	2.64	2732.49	674.42
8.100	560.00	0.	0.	53.30	630.00	62.53	58.82	62.62	137.60	4.89	200.75	53.71
8.100	560.00	0.	0.	53.30	1245.00	63.64	61.42	63.92	125.98	5.22	650.98	110.52
8.100	560.00	0.	0.	53.30	1615.00	64.09	63.42	64.32	117.58	5.32	888.29	148.54
8.100	560.00	0.	0.	53.30	2785.00	65.14	64.05	65.31	96.97	5.30	1630.16	282.62
8.200	100.00	0.	0.	54.70	630.00	63.40	60.75	63.47	30.55	3.25	680.40	113.57
8.200	100.00	0.	0.	54.70	1245.00	64.45	62.58	64.51	33.55	3.70	1264.36	214.53
8.200	100.00	0.	0.	54.70	1615.00	64.86	63.04	64.92	36.17	3.96	1538.92	268.52
8.200	100.00	0.	0.	54.70	2785.00	65.84	63.80	65.89	38.44	4.36	2620.44	449.22
8.300	21.80	62.00	58.30	54.70	630.00	63.40	0.	63.47	30.53	3.25	680.65	114.01
8.300	21.80	62.00	58.30	54.70	1245.00	64.46	0.	64.52	33.36	3.69	1267.58	215.54
8.300	21.80	62.00	58.30	54.70	1615.00	64.87	0.	64.93	35.78	3.94	1546.50	269.98
8.300	21.80	62.00	58.30	54.70	2785.00	65.85	0.	65.91	37.87	4.33	2641.27	452.54
8.400	50.00	0.	0.	53.30	630.00	63.56	58.82	63.64	36.64	2.82	604.56	104.07
8.400	50.00	0.	0.	53.30	1245.00	64.63	62.97	64.69	35.41	3.07	1225.95	209.21
8.400	50.00	0.	0.	53.30	1615.00	65.05	63.41	65.11	36.36	3.22	1542.59	267.63
8.400	50.00	0.	0.	53.30	2785.00	66.04	64.00	66.09	35.44	3.43	2791.37	467.84
9.000	1900.00	0.	0.	55.80	630.00	64.57	60.83	64.58	2.62	.70	1619.30	389.22
9.000	1900.00	0.	0.	55.80	1245.00	65.93	61.25	65.94	3.60	.98	2415.56	656.28
9.000	1900.00	0.	0.	55.80	1615.00	66.51	61.46	66.52	4.11	1.12	2814.80	796.42
9.000	1900.00	0.	0.	55.80	2785.00	67.87	62.07	67.88	5.43	1.46	3864.61	1194.65

AR FLOOD

SUMMARY PRINTOUT TABLE 15H

SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TCPWID	XLCH
6.000	630.00	49.05	0.	0.	-.95	433.48	-0.
6.000	1245.00	50.36	1.31	0.	.36	514.43	-0.
6.000	1615.00	50.96	.60	0.	.96	541.83	-0.
6.000	2785.00	52.48	1.52	0.	2.48	611.06	-0.
7.000	630.00	58.45	0.	9.39	0.	394.76	5095.00
7.000	1245.00	59.83	1.38	9.47	0.	473.65	5095.00
7.000	1615.00	60.47	.64	9.51	0.	513.95	5095.00
7.000	2785.00	62.05	1.58	9.57	0.	644.35	5095.00
8.100	630.00	62.53	0.	4.08	0.	277.67	560.00
8.100	1245.00	63.64	1.12	3.82	0.	513.26	560.00
8.100	1615.00	64.09	.44	3.62	0.	578.47	560.00
8.100	2785.00	65.14	1.06	3.10	0.	555.45	560.00
8.200	630.00	63.40	0.	.87	0.	468.51	100.00
8.200	1245.00	64.45	1.05	.81	0.	634.41	100.00
8.200	1615.00	64.86	.41	.78	0.	734.85	100.00
8.200	2785.00	65.84	.97	.69	0.	1488.60	100.00
8.300	630.00	63.40	0.	.00	0.	468.61	21.80
8.300	1245.00	64.46	1.06	.00	0.	635.17	21.80
8.300	1615.00	64.87	.42	.01	0.	742.75	21.80
8.300	2785.00	65.85	.98	.01	0.	1499.41	21.80
8.400	630.00	63.56	0.	.16	0.	498.17	50.00
8.400	1245.00	64.63	1.07	.17	0.	660.25	50.00
8.400	1615.00	65.05	.43	.18	0.	881.54	50.00
8.400	2785.00	66.04	.98	.19	0.	1647.24	50.00
9.000	630.00	64.57	0.	1.01	0.	525.75	1900.00
9.000	1245.00	65.93	1.38	1.30	0.	655.41	1900.00
9.000	1615.00	66.51	.58	1.46	0.	705.42	1900.00
9.000	2785.00	67.87	1.35	1.83	0.	840.86	1900.00

FLOODWAY DATA, AR FLOOD  
PROFILE NO. 2

STATION	----- WIDTH	FLOODWAY SECTION AREA	----- MEAN VELOCITY	WATER SURFACE ELEVATION		
				WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
6.000	514.	1401.	.9	50.4	49.1	1.3
7.000	474.	1520.	.8	59.8	58.4	1.4
8.100	513.	651.	1.9	63.6	62.5	1.1
8.200	634.	1264.	1.0	64.5	63.4	1.1
8.300	635.	1268.	1.0	64.5	63.4	1.1
8.400	660.	1226.	1.0	64.7	63.6	1.1
9.000	655.	2416.	.5	66.0	64.6	1.4

FLOODWAY DATA, AR FLOOD  
PROFILE NO. 3

STATION	WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION		
				WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
6.000	542.	1719.	.9	51.0	49.1	1.9
7.000	514.	1833.	.9	60.4	58.4	2.0
8.100	578.	888.	1.8	64.1	62.5	1.6
8.200	735.	1539.	1.0	64.9	63.4	1.5
8.300	743.	1546.	1.0	64.9	63.4	1.5
8.400	882.	1543.	1.0	65.1	63.6	1.5
9.000	705.	2815.	.6	66.5	64.6	1.9

FLOODWAY DATA, AR FLOOD  
PROFILE NO. 4

STATION	FLOODWAY WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION DIFFERENCE		
				WITH FLOODWAY	WITHOUT FLOODWAY	
6.000	611.	2595.	1.1	52.5	49.1	3.4
7.000	644.	2732.	1.0	62.0	58.4	3.6
8.100	955.	1630.	1.7	65.1	62.5	2.6
8.200	1489.	2627.	1.1	65.8	63.4	2.4
8.300	1499.	2641.	1.1	65.8	63.4	2.4
8.400	1647.	2791.	1.0	66.1	63.6	2.5
9.000	841.	3865.	.7	67.9	64.6	3.3

*Final Floodway*

THIS RUN EXECUTED 06 JUL 81 16.15.52

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 HEC2 RELEASE DATED NOV 76 UPDATED APR 1980  
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T1 BULLTAIL BRANCH  
 T2 MOORES BASIN-PENDER CO  
 T3 100 YEAR FLOOD

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	FVINS	Q	WSEL	FG
	-0.	4.	-0.	-0.	-0.	-0.	-0.	-0.	50.960	-0.
J2	NPROF	IPLT	PROFS	XSECV	XSECH	FN	ALLEC	IBW	CHNIM	ITRACE
	-0.	-0.	-0.100	-0.	-0.	-0.	-1.000	-0.	-0.	-0.
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	110.000	150.000	200.000	201.000	-0.	-0.	-0.	-0.	-0.	-0.
J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
J6	IHLG	ICOPY								
	1.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
NO	.200	.200	.090	.100	.300	-0.	-0.	-0.	-0.	-0.
QT	5.000	630.000	1245.000	1615.000	2785.000	1615.000	-0.	-0.	-0.	-0.
ET	-0.	-0.	-0.	-0.	-0.	10.400	-0.	-0.	-0.	-0.
X1	6.000	14.000	386.000	400.000	-0.	-0.	-0.	-0.	-0.	-0.
GR	59.900	0.	58.100	100.000	54.600	200.000	52.800	300.000	45.900	380.000
GR	42.800	386.000	42.000	391.000	42.700	396.000	45.800	400.000	46.200	500.000
GR	47.700	606.000	48.900	700.000	49.100	800.000	60.000	1170.000	-0.	-0.
ET	-0.	-0.	-0.	-0.	-0.	7.400	-0.	-0.	-0.	-0.
X1	7.000	15.000	382.000	405.000	5200.000	5200.000	5095.000	-0.	-0.	-0.
GR	66.000	0.	64.400	100.000	61.800	200.000	56.500	262.000	55.000	300.000
GR	50.000	382.000	51.700	387.000	51.600	350.000	51.700	394.000	56.400	400.000
GR	55.400	500.000	57.700	600.000	59.900	700.000	61.800	800.000	70.000	1950.000
X1	8.100	18.000	4044.800	4066.000	560.000	560.000	560.000	-0.	-0.	-0.
X4	1.000	63.600	3760.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.
GR	70.000	-0.	64.800	3660.000	62.700	3860.000	62.200	3960.000	62.000	4044.800
GR	58.700	4049.100	50.400	4051.500	53.500	4052.500	53.300	4059.000	54.300	4060.000
GR	56.300	4062.000	60.600	4063.700	62.000	4066.600	62.400	4160.000	63.500	4260.000

GR	65.000	4360.000	66.400	4460.000	70.000	4685.000	-0.	-0.	-0.	-0.
NC	-0.	-0.	.090	.300	.500	-0.	-0.	-0.	-0.	-0.
X1	8.200	15.000	4051.500	4060.750	100.000	100.000	100.000	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	60.200	60.200	-0.
X4	1.000	63.600	3760.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.
GR	70.000	-0.	64.800	3660.000	62.700	3660.000	62.200	3960.000	62.000	4044.800
GR	58.300	4051.500	55.700	4052.750	55.700	4052.750	54.700	4060.750	58.300	4062.000
GR	62.400	4160.000	63.500	4260.000	65.000	4260.000	66.400	4460.000	70.000	4685.000
SB	1.000	3.100	3.200	-0.	8.000	1.000	25.100	.410	55.400	55.400
X1	8.300	0.	0.	0.	21.800	21.800	21.800	-0.	-0.	-0.
X2	-0.	-0.	1.000	58.300	62.000	-0.	-0.	-0.	-0.	-0.
X3	10.000	-0.	-0.	-0.	-0.	-0.	-0.	62.000	62.000	-0.
BT	11.000	-0.	70.000	-0.	3660.000	64.800	-0.	3760.500	63.600	-0.
BT	3860.000	62.700	-0.	3960.000	62.200	-0.	4044.800	62.000	-0.	4160.000
BT	62.400	-0.	4260.000	63.500	-0.	4260.000	65.000	-0.	4460.000	66.400
BT	-0.	4685.000	70.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.
X1	8.400	18.000	4044.800	4066.600	50.000	50.000	50.000	-0.	-0.	-0.
X4	1.000	63.600	3760.000	-0.	-0.	-0.	-0.	-0.	-0.	-0.
GR	70.000	-0.	64.800	3660.000	62.700	3660.000	62.200	3960.000	62.000	4044.800
GR	58.700	4049.100	56.400	4051.500	53.500	4052.500	53.300	4059.000	54.300	4060.000
GR	56.300	4062.000	60.600	4063.700	62.000	4066.600	62.400	4160.000	63.500	4260.000
GR	65.000	4360.000	66.400	4460.000	70.000	4685.000	-0.	-0.	-0.	-0.
NC	-0.	-0.	.090	.100	.300	-0.	-0.	-0.	-0.	-0.
X1	9.000	14.000	425.000	525.000	1900.000	1900.000	1900.000	-0.	-0.	-0.
GR	70.000	-0.	67.700	125.000	66.500	225.000	61.800	374.000	59.900	425.000
GR	60.700	517.000	55.800	519.000	55.800	523.000	60.100	525.000	60.300	625.000
GR	62.400	725.000	64.900	825.000	66.300	525.000	70.000	1000.000	-0.	-0.
EJ	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.

Handwritten signature or initials, possibly "K. U." and "H".



THIS RUN EXECUTED 06 JUL 81 16.15.52

\*\*\*\*\*  
 HEC2 RELEASE DATED NOV 76 UPDATED APR 1981  
 ERROR CORR - 01,02,03,04  
 MODIFICATION - 50,51,52,53,54  
 \*\*\*\*\*

T1 BULLTAIL BRANCH  
 T2 PENDER COUNTY  
 T3 FLOODWAY

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	FVINS	Q	WSEL	FG
	-0.	6.	-0.	-0.	-0.	-0.	-0.	-0.	51.960	-0.
J2	NPROF	IPLT	PRFVS	XSECV	YSECH	FN	ALCC	IBW	CHNIM	ITRACE
	15.000	-0.	-1.000	-0.	-0.	-0.	-1.000	-0.	-0.	-0.

INLEG = 1. THEREFORE FRICTION LOSS (HL) IS CALCULATED AS A FUNCTION OF PROFILE TYPE, WHICH CAN VARY FROM REACH TO REACH. SEE DOCUMENTATION FOR DETAILS.

THIS RUN EXECUTED 06 JUL 81 16.15.52

\*\*\*\*\*  
 HEC2 RELEASE DATED NOV 76 UPDATED APR 1980  
 ERROR CORR - 01,02,03,04  
 MODIFICATION - 50,51,52,53,54  
 \*\*\*\*\*

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

EAR FLOOD

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKWS	EG	TOPWID	GLOB	QCH	QROB	PERENC	STENCL	STCHL	STCHR	STENCR
6.000	50.96	0.	51.00	541.80	91.81	411.71	1111.49	0.	0.	380.00	400.00	0.
6.000	51.96	1.00	52.00	214.61	0.	450.70	1164.30	.31	380.00	380.00	400.00	594.62
7.000	60.47	0.	60.49	513.97	557.84	306.89	750.26	0.	0.	382.00	400.00	0.
7.000	61.35	.68	61.38	275.29	473.13	353.41	788.46	.23	294.42	382.00	400.00	569.71
8.100	64.09	0.	64.32	578.48	468.92	828.32	317.77	0.	0.	4044.80	4066.60	0.
8.100	64.81	.73	65.12	181.98	465.13	966.20	183.66	.35	3929.81	4044.80	4066.60	4111.79
8.200	64.66	0.	64.92	734.85	568.45	344.94	701.61	0.	0.	4051.50	4060.75	0.
8.200	65.64	.78	65.72	270.14	604.09	382.91	628.00	.31	3874.67	4051.50	4060.75	4144.80
8.300	64.87	0.	64.93	742.76	569.84	343.69	701.47	0.	0.	4051.50	4060.75	0.
8.300	65.65	.78	65.72	271.28	606.17	381.44	627.39	.31	3873.77	4051.50	4060.75	4145.05
8.400	65.05	0.	65.11	881.54	619.25	570.00	425.75	0.	0.	4044.80	4066.60	0.
8.400	65.82	.77	65.90	290.79	668.68	647.51	298.81	.33	3857.05	4044.80	4066.60	4147.84
9.000	66.51	0.	66.52	705.42	232.30	725.47	657.24	0.	0.	425.00	525.00	0.
9.000	67.26	.74	67.27	324.66	118.74	859.02	637.24	.20	387.65	425.00	525.00	712.31

EAR FLOOD

SUMMARY PRINTOUT TABLE 150

SECKO	XLCH	ELTRD	ELLC	ELMIN	Q	CVSEL	CRWS	EG	10K*S	VCH	AREA	001K
6.000	-0.	0.	0.	42.00	1615.00	50.96	48.06	51.00	20.20	2.70	1718.49	359.32
6.000	-0.	0.	0.	42.00	1615.00	51.96	47.94	52.00	22.22	2.62	1246.19	342.62
7.000	5095.00	0.	0.	51.60	1615.00	60.47	57.16	60.49	16.80	2.30	1833.22	394.00
7.000	5095.00	0.	0.	51.60	1615.00	61.35	57.31	61.38	15.29	2.37	1567.18	413.07
8.100	560.00	0.	0.	53.30	1615.00	64.09	63.42	64.32	117.57	5.32	888.32	148.94
8.100	560.00	0.	0.	53.30	1615.00	64.81	63.35	65.12	115.48	5.63	600.98	150.28
8.200	100.00	0.	0.	54.70	1615.00	64.86	63.04	64.92	36.17	3.96	1538.92	268.52
8.200	100.00	0.	0.	54.70	1615.00	65.64	62.84	65.72	34.22	4.06	1182.57	276.09
* 8.300	21.80	62.00	58.30	54.70	1615.00	64.87	0.	64.93	35.78	3.94	1546.50	269.58
* 8.300	21.80	999999.00	0.	54.70	1615.00	65.65	62.87	65.73	33.84	4.04	1189.05	277.63
8.400	50.00	0.	0.	53.30	1615.00	65.05	63.41	65.11	36.36	3.22	1542.59	267.83
8.400	50.00	0.	0.	53.30	1615.00	65.82	63.36	65.90	34.71	3.34	1151.71	274.12
9.000	1900.00	0.	0.	55.80	1615.00	66.51	61.46	66.52	4.11	1.12	2814.80	796.42
9.000	1900.00	0.	0.	55.80	1615.00	67.26	61.42	67.27	4.00	1.19	2207.00	807.63

## CAR FLOOD

## SUMMARY PRINTOUT TABLE 150

SECNO	Q	GWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
6.000	1615.00	50.96	0.	0.	0.	541.80	-0.
6.000	1615.00	51.96	1.00	0.	1.00	214.61	-0.
7.000	1615.00	60.47	0.	9.51	0.	513.97	5095.00
7.000	1615.00	61.35	.88	9.39	.88	275.29	5095.00
8.100	1615.00	64.09	0.	3.61	0.	578.48	560.00
8.100	1615.00	64.81	.73	3.47	.73	181.98	560.00
8.200	1615.00	64.86	0.	.78	0.	734.85	100.00
8.200	1615.00	65.64	.78	.83	.78	270.14	100.00
8.300	1615.00	64.87	0.	.01	0.	742.76	21.80
8.300	1615.00	65.65	.78	.01	.78	271.28	21.80
8.400	1615.00	65.05	0.	.18	0.	881.54	50.00
8.400	1615.00	65.82	.77	.17	.77	290.79	50.00
9.000	1615.00	66.51	0.	1.46	0.	705.42	1900.00
9.000	1615.00	67.26	.74	1.43	.74	324.66	1900.00

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FLOODWAY DATA, EAR FLOOD  
PROFILE NO. 2

STATION	WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION		
				WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
6.000	215.	1246.	1.3	52.0	51.0	1.0
7.000	275.	1567.	1.0	61.4	60.5	.9
8.100	182.	601.	2.7	64.8	64.1	.7
8.200	270.	1183.	1.4	65.7	64.9	.8
8.300	271.	1189.	1.4	65.7	64.9	.8
8.400	291.	1152.	1.4	65.9	65.1	.8
9.000	325.	2207.	.7	67.2	66.5	.7