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 HEC2 VERSION UPDATED JAN 1976  
 ERROR CORRECTION 01,02,03,04,05,06,07,08,09  
 MODIFICATIONS 52,53,54,55,56,57,58  
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T1 FLOOD INSURANCE STUDY  
 T2 GASTONIA NORTH CAROLINA  
 T3 LONG CREEK 100 YEAR FLOOD

	ICHECK	INS	PLPT	URFVS	NTNV	IPIS	STRT	NETRIF	SVMS	TA	TRFACE
J1	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
J2	1,000	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
J3	1,000	34,000	0.075	3,000	4,000	27,000	24,000	0.	0.	0.	0.
NC	0.075	0.100	0.100	0.100	0.100	0.300	0.	0.	0.	0.	0.
JT	5,000	1,000,000	7,000,000	0.000,000	0.000,000	0.000,000	17,500,000	0.	0.	0.	0.
ET	0.	0.	0.	0.	0.	10,400	0.	0.	0.	0.	0.
X1	90,000	10,000	170,000	223,000	0.	0.	0.	0.	0.	0.	0.
GR	673,000	0.	667,700	50,000	664,000	664,000	100,000	642,200	150,000	662,000	170,000
GR	648,300	188,000	647,000	200,000	648,000	648,000	215,000	658,500	223,000	658,700	250,000
GR	658,200	300,000	660,000	350,000	664,000	664,000	400,000	675,000	450,000	680,000	0.
X1	97,500	14,000	175,000	226,000	750,000	750,000	750,000	750,000	0.	0.	0.
GR	646,000	0.	640,000	50,000	665,400	665,400	100,000	659,400	120,000	657,000	150,000
GR	656,300	175,000	648,100	185,000	648,500	648,500	200,000	648,500	214,000	658,000	220,000
GR	658,500	234,000	665,100	250,000	667,700	667,700	300,000	680,000	350,000	685,000	0.
X1	112,000	25,000	443,000	523,000	1,450,000	1,450,000	1,450,000	1,450,000	0.	0.	0.
GR	641,000	0.	675,000	38,000	670,000	670,000	50,000	645,000	70,000	644,500	100,000
GR	660,400	150,000	660,000	200,000	659,500	659,500	250,000	658,500	300,000	657,500	350,000
GR	657,000	400,000	650,000	450,000	649,000	649,000	443,000	650,700	492,000	647,600	500,000
GR	650,900	517,000	658,200	523,000	658,000	658,000	550,000	658,400	600,000	657,600	650,000
GR	659,300	700,000	662,400	725,000	667,400	667,400	750,000	670,000	800,000	675,000	825,000
X1	123,000	22,000	225,000	273,000	1,450,000	1,450,000	1,450,000	1,450,000	0.	0.	0.
GR	640,000	0.	646,400	100,000	654,100	654,100	110,000	650,500	150,000	650,200	200,000
GR	656,100	225,000	647,700	235,000	646,600	646,600	250,000	646,000	273,000	657,000	273,000
GR	657,200	300,000	657,400	350,000	657,100	657,100	400,000	656,400	450,000	656,000	500,000
GR	654,500	550,000	654,700	563,000	657,700	657,700	600,000	657,900	650,000	653,700	680,000
GR	666,400	700,000	680,000	900,000	0.	0.	0.	0.	0.	0.	0.
X1	133,000	17,000	270,000	325,000	1,000,000	1,000,000	1,000,000	1,000,000	0.	0.	0.
GR	678,000	0.	640,200	100,000	658,200	658,200	150,000	640,000	200,000	657,500	250,000
GR	657,400	270,000	649,600	281,000	648,200	648,200	300,000	649,400	314,000	657,000	329,000
GR	656,600	350,000	660,000	380,000	661,400	661,400	400,000	662,400	400,000	665,500	450,000
GR	672,400	450,000	677,000	470,000	0.	0.	0.	0.	0.	0.	0.
X1	147,600	19,000	236,000	277,000	1,480,000	1,480,000	1,480,000	1,480,000	0.	0.	0.
GR	691,000	0.	642,500	50,000	649,100	649,100	100,000	654,400	150,000	657,300	200,000
GR	659,300	238,000	659,000	247,000	649,600	649,600	257,000	649,500	249,000	659,400	277,000
GR	650,600	350,000	659,000	400,000	658,800	658,800	450,000	657,800	500,000	658,700	550,000
GR	658,000	600,000	654,200	650,000	672,400	672,400	700,000	682,600	750,000	680,000	800,000
X1	151,000	20,000	170,000	225,000	320,000	320,000	320,000	320,000	0.	0.	0.

GR	674,600	659,500	50,000	657,600	100,000	100,000	659,000	659,000	150,000	661,300	170,000
GR	652,900	650,700	200,000	648,600	215,000	215,000	659,400	659,400	225,000	651,200	250,000
GR	660,500	659,900	350,000	659,400	600,000	600,000	660,000	660,000	450,000	660,600	500,000
GR	661,400	662,500	590,000	663,800	600,000	600,000	663,800	663,800	650,000	678,000	680,000
X1	163,800	197,000	245,000	1280,000	1280,000	1280,000	1280,000	1280,000	0	U.	U.
GR	700,000	692,500	50,000	682,700	100,000	100,000	675,000	675,000	135,000	668,800	150,000
GR	668,300	664,100	173,000	662,000	197,000	197,000	653,000	653,000	204,000	652,700	217,000
GR	652,600	662,700	245,000	662,700	250,000	250,000	661,400	662,800	305,000	662,800	350,000
GR	672,700	680,000	400,000	690,700	450,000	450,000	698,000	698,000	500,000	700,000	513,000
X1	181,700	450,000	527,000	1790,000	1790,000	1790,000	1790,000	1790,000	0	U.	U.
GR	665,000	680,000	160,000	675,000	200,000	200,000	671,500	671,500	250,000	667,100	300,000
GR	666,500	665,000	400,000	663,700	450,000	450,000	653,400	653,400	475,000	660,000	475,000
GR	660,400	654,900	490,000	654,300	502,000	502,000	654,700	654,700	515,000	643,800	527,000
GR	664,100	668,000	600,000	675,100	650,000	650,000	680,000	680,000	600,000	685,000	700,000
SB	1,250	3,100	0	162,400	10,400	10,400	1250,000	1250,000	0	U.	U.
NC	0,040	0,060	0,100	0,300	0	0	0	0	0	0	0
X1	183,900	1367,000	1425,000	220,000	220,000	220,000	220,000	220,000	0	U.	U.
X2	0	1,000	674,100	679,300	0	0	0	0	0	U.	U.
BT	10,000	689,800	674,100	200,000	682,400	682,400	674,100	674,100	300,000	674,700	674,100
BT	400,000	679,700	439,000	679,900	674,100	674,100	650,000	650,000	674,800	674,100	750,000
BT	681,800	600,000	683,800	674,100	950,000	950,000	621,000	621,000	674,100	1032,000	694,800
BT	674,100	0	0	0	0	0	0	0	0	U.	U.
GR	680,000	675,000	170,000	670,000	570,000	570,000	649,000	649,000	600,000	645,200	650,000
GR	665,200	664,700	750,000	664,700	600,000	600,000	664,400	664,400	650,000	664,100	600,000
GR	664,200	664,000	1000,000	663,600	1050,000	1050,000	663,500	663,500	1100,000	663,400	1150,000
GR	663,600	663,300	1250,000	663,300	1300,000	1300,000	665,200	665,200	1350,000	661,200	1347,000
GR	665,000	654,600	1375,000	655,000	1397,000	1397,000	655,800	655,800	1401,000	659,400	1416,000
GR	670,000	670,400	1450,000	673,200	1500,000	1500,000	670,600	670,600	1550,000	0	U.
X1	194,000	455,000	498,000	1013,000	1010,000	1010,000	1010,000	1010,000	0	U.	U.
GR	685,000	680,000	70,000	675,000	100,000	100,000	688,400	688,400	150,000	662,500	200,000
GR	662,000	660,500	268,000	661,700	288,000	288,000	662,200	662,200	350,000	662,300	400,000
GR	665,300	665,000	450,000	665,900	665,000	665,000	655,500	655,500	475,000	655,500	427,000
GR	665,800	663,200	550,000	663,700	600,000	600,000	667,500	667,500	650,000	685,000	700,000
X1	217,400	938,000	949,000	2360,000	2340,000	2340,000	2360,000	2360,000	0	U.	U.
GR	685,000	680,000	160,000	675,000	300,000	300,000	673,200	673,200	350,000	671,100	400,000
GR	670,000	667,800	500,000	666,800	550,000	550,000	666,500	666,500	600,000	666,200	650,000
GR	665,700	665,900	750,000	665,300	600,000	600,000	666,000	666,000	650,000	666,800	600,000
GR	667,200	658,800	407,000	658,800	455,000	455,000	658,400	658,400	448,000	658,300	489,000
GR	667,500	667,400	1050,000	666,900	1100,000	1100,000	665,600	665,600	1200,000	665,300	1200,000
GR	666,000	664,600	1300,000	664,500	1350,000	1350,000	664,200	664,200	1400,000	665,700	1450,000
GR	666,100	669,400	1600,000	671,200	1665,000	1665,000	664,200	664,200	1755,000	665,000	1835,000
NC	0,075	0,100	0,300	0,300	0	0	0	0	0	U.	U.
QT	5,000	3400,000	6000,000	6000,000	16000,000	16000,000	6000,000	6000,000	0	U.	U.
X1	240,000	1087,000	1127,000	2240,000	2240,000	2240,000	2240,000	2240,000	0	U.	U.
GR	680,000	675,000	50,000	670,000	450,000	450,000	670,200	670,200	600,000	669,300	650,000
GR	669,700	669,700	900,000	670,100	1000,000	1000,000	670,100	670,100	1050,000	671,200	1047,000
GR	662,000	661,900	1116,000	669,100	1127,000	1127,000	670,700	670,700	1150,000	668,900	1300,000
GR	669,800	669,500	1450,000	670,600	1470,000	1470,000	675,000	675,000	1448,000	680,000	1500,000
X1	264,300	690,000	953,000	1400,000	2700,000	2700,000	2430,000	2430,000	0	U.	U.
GR	687,000	685,000	130,000	680,000	260,000	260,000	675,000	675,000	400,000	673,500	450,000
GR	672,600	671,900	550,000	671,900	600,000	600,000	672,700	672,700	650,000	673,300	700,000
GR	672,900	673,100	800,000	673,900	850,000	850,000	675,600	675,600	870,000	664,500	905,000
GR	662,000	665,500	943,000	674,000	953,000	953,000	672,400	672,400	1000,000	675,100	1062,000
GR	680,000	685,000	1140,000	687,000	1155,000	1155,000	0	0	0	0	0
NC	0,070	0,090	0,100	0,300	0	0	0	0	0	U.	U.
X1	276,000	425,000	470,000	1300,000	1000,000	1000,000	1170,000	1170,000	0	U.	U.
GR	690,000	685,000	200,000	684,300	245,000	245,000	677,600	677,600	275,000	675,200	300,000
GR	675,600	675,000	400,000	674,500	425,000	425,000	667,600	667,600	435,000	667,400	447,000

GR	666.00	460.000	675.300	470.000	675.800	500.000	674.200	550.000	674.600	600.000
GR	675.0	610.000	680.000	690.000	685.000	740.000	690.000	760.000	0.	0.
SB	1.000	2.040	2.600	0.	181.000	0.	1933.000	0.	0.	0.
X1	279.000	35.000	698.000	933.000	300.000	300.000	300.000	0.	0.	0.
X2	0.	0.	1.000	682.800	684.900	0.	0.	0.	0.	0.
BT	10.000	0.	695.500	682.800	680.000	68.500	682.800	250.000	685.700	682.800
BT	300.000	685.700	682.800	150.000	150.000	682.800	552.000	685.200	682.800	734.000
BT	687.000	682.800	800.000	688.500	682.800	0.	689.800	682.800	1100.000	695.000
BT	682.800	0.	0.	0.	0.	0.	0.	0.	0.	0.
GR	690.000	30.000	685.000	40.000	680.000	40.000	675.000	100.000	674.000	150.000
GR	673.800	200.000	673.500	250.000	672.100	300.000	672.000	350.000	672.600	400.000
GR	672.400	450.000	672.400	500.000	672.600	550.000	672.700	600.000	674.300	650.000
GR	675.800	700.000	674.800	750.000	674.900	800.000	674.800	850.000	675.000	800.000
GR	668.000	904.000	666.800	915.000	674.900	930.000	674.300	933.000	677.300	944.000
GR	674.900	1000.000	674.800	1050.000	674.800	1077.000	689.800	1079.000	669.800	1000.000
GR	670.700	1100.000	673.800	1110.000	679.000	1165.000	687.700	1153.000	689.800	1211.000
X1	289.000	18.000	661.000	903.000	955.000	1105.000	1000.000	0.	0.	0.
GR	690.000	5.000	675.000	130.000	675.000	600.000	676.800	650.000	679.700	700.000
GR	686.400	750.000	686.400	775.000	676.400	830.000	677.800	850.000	677.200	641.000
GR	671.000	667.000	668.300	684.000	669.800	697.000	676.000	903.000	677.600	920.000
GR	680.100	925.000	688.300	850.000	700.500	1000.000	0.	0.	0.	0.
SB	0.950	2.040	2.900	750.000	200.000	12.000	3115.000	0.	0.	0.
NC	0.100	0.100	0.050	0.100	0.300	0.	0.	0.	0.	0.
QT	5.000	3300.000	6450.000	8600.000	8800.000	15500.000	0.	0.	0.	0.
X1	293.300	10.000	96.000	154.000	430.000	630.000	430.000	0.	0.	0.
X2	0.	0.	1.000	699.300	702.600	0.	0.	0.	0.	0.
GR	702.600	0.	701.500	15.000	678.600	56.000	675.900	98.000	669.200	111.000
GR	669.300	125.000	670.300	135.000	681.600	154.000	683.900	200.000	705.000	532.000
NC	0.070	0.090	0.060	0.100	0.300	0.	0.	0.	0.	0.
X1	303.700	15.000	231.000	272.000	1240.000	1180.000	1000.000	0.	0.	0.
GR	700.000	0.	683.000	10.000	681.300	100.000	677.600	150.000	679.800	200.000
GR	678.300	231.000	671.000	235.000	670.300	295.000	671.000	250.000	680.200	272.000
GR	678.300	300.000	681.100	350.000	682.200	400.000	687.000	250.000	700.000	530.000
SB	1.250	2.040	3.600	0.	192.000	4.400	2630.000	0.	0.	0.
NC	0.100	0.100	0.040	0.100	0.300	0.	0.	0.	0.	0.
X1	306.600	19.000	389.000	431.000	290.000	290.000	290.000	0.	0.	0.
X2	0.	0.	1.000	695.900	695.400	0.	0.	0.	0.	0.
BT	10.000	0.	706.000	695.900	150.000	700.500	695.900	257.000	698.500	695.400
BT	350.000	698.400	695.900	421.000	695.500	695.900	450.000	695.900	695.900	550.000
BT	700.700	695.900	600.000	702.300	695.400	650.000	704.200	695.900	700.000	700.600
BT	695.900	0.	0.	0.	0.	0.	0.	0.	0.	0.
GR	700.000	0.	697.500	50.000	697.000	100.000	695.100	150.000	689.300	200.000
GR	685.700	250.000	640.000	304.000	677.000	350.000	675.700	389.000	672.000	500.000
GR	671.000	408.000	672.300	424.000	677.800	431.000	677.900	450.000	679.500	500.000
GR	679.600	530.000	684.600	550.000	690.500	600.000	701.200	622.000	0.	0.
X1	321.800	28.000	771.000	796.000	1670.000	1520.000	1520.000	0.	0.	0.
GR	690.000	0.	684.300	50.000	680.700	74.000	677.600	100.000	670.700	200.000
GR	677.200	250.000	677.300	400.000	677.200	450.000	676.300	500.000	677.000	530.000
GR	677.200	600.000	677.900	650.000	676.100	700.000	680.200	750.000	679.800	771.000
GR	673.200	778.000	672.100	785.000	672.800	793.000	680.100	790.000	679.900	900.000
GR	679.800	858.000	672.500	845.000	673.800	870.000	679.100	874.000	679.700	900.000
GR	683.500	950.000	685.800	1000.000	690.900	1050.000	695.800	1100.000	0.	0.
NC	0.100	0.100	0.000	0.100	0.300	0.	0.	0.	0.	0.
QT	5.000	3150.000	6200.000	8600.000	8600.000	15000.000	0.	0.	0.	0.
X1	340.000	25.000	1223.000	1255.000	1670.000	1670.000	1620.000	0.	0.	0.
GR	695.000	40.000	690.000	370.000	684.600	600.000	684.600	650.000	680.400	700.000
GR	679.800	750.000	679.800	800.000	680.200	850.000	680.200	900.000	680.300	950.000
GR	680.000	1000.000	680.700	1050.000	680.700	1100.000	680.400	1150.000	680.900	1200.000
GR	682.500	1223.000	677.200	1225.000	674.200	1235.000	677.500	1250.000	681.000	1255.000

16/ XI	363,600	22,000	700,000	2360,000	2360,000	2360,000	0.	0.	0.
GR	700,000	40,000	695,000	500,000	550,000	683,600	683,600	600,000	0.
GR	683,600	637,000	680,200	683,100	683,000	683,000	700,000	677,400	707,000
GR	677,600	716,000	678,600	684,700	733,000	683,700	800,000	684,200	650,000
GR	687,500	900,000	687,500	686,600	1000,000	686,400	1050,000	689,900	1087,000
GR	693,000	1100,000	700,000	0.	0.	0.	0.	0.	0.
QT	5,000	2900,000	5750,000	8200,000	14000,000	0.	0.	0.	0.

X XI	382,300	25,000	711,000	1870,000	1870,000	1870,000	0.	0.	0.
GR	688,700	0.	684,000	683,400	683,800	683,400	200,000	683,400	250,000
GR	685,200	300,000	683,300	683,900	400,000	684,300	500,000	685,100	500,000
GR	685,900	650,000	687,700	686,900	711,000	681,200	718,000	680,100	733,000
GR	680,700	745,000	686,200	685,600	800,000	685,200	900,000	684,800	950,000
GR	684,900	1000,000	683,800	684,500	1250,000	687,500	1350,000	688,300	1400,000

XI	400,000	29,000	820,000	1770,000	1770,000	1770,000	0.	0.	0.
GR	697,700	0.	696,500	696,400	699,700	699,700	150,000	700,500	200,000
GR	700,200	250,000	693,900	687,300	327,000	686,600	350,000	687,500	400,000
GR	688,600	450,000	688,600	689,800	550,000	690,200	600,000	690,200	650,000
GR	689,900	700,000	689,400	689,100	800,000	688,600	820,000	685,400	825,000
GR	683,300	850,000	685,300	688,700	675,000	688,900	900,000	685,000	910,000
GR	690,100	920,000	689,700	696,900	1000,000	701,400	1050,000	0.	0.
EJ	0.	0.	0.	0.	0.	0.	0.	0.	0.

1341,000	661,400	61,100	683,200	661,400	1341,000	661,400	661,400	447,000
110,000	61,100	0,040	61,100	61,100	110,000	61,100	61,100	447,000
0,100	0,100	0,040	0,100	0,100	0,100	0,100	0,100	447,000
0,100	0,100	0,040	0,100	0,100	0,100	0,100	0,100	447,000



SUMMARY PRINTOUT FOR MULTIPLE PROFILES

LONG CREEK FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHOPD	DISCHARGE (CFS)	MIN EL GROUND	CASEL	10	PG	109.10	STENCL	STENCR	VC
90.00	0.	0.	0.	9600.00	647.00	668.90	2663.42	660.05	383.59	0.	0.	3.20
90.00	0.	0.	0.	9600.00	647.00	669.90	2707.13	670.07	238.36	127.84	366.20	3.32
97.50	750.00	0.	0.	9600.00	648.10	670.02	2094.19	670.31	225.51	0.	0.	4.53
97.50	750.00	0.	0.	9600.00	648.10	670.96	2096.35	671.32	194.14	116.70	247.64	4.67
112.00	1450.00	0.	0.	9600.00	647.80	670.83	8064.50	670.85	755.46	0.	0.	1.13
112.00	1450.00	0.	0.	9600.00	647.80	671.84	8100.39	671.87	533.50	157.20	690.70	1.18
123.00	1100.00	0.	0.	9600.00	646.80	670.97	9359.06	670.99	695.65	0.	0.	1.00
123.00	1100.00	0.	0.	9600.00	646.80	671.98	9425.86	672.00	484.23	146.64	632.86	1.11
133.00	1000.00	0.	0.	9600.00	648.20	671.12	4504.95	671.19	403.97	0.	0.	2.22
133.00	1000.00	0.	0.	9600.00	648.20	672.13	4512.81	672.21	278.00	103.76	381.76	2.29
147.80	1480.00	0.	0.	9600.00	649.30	671.54	7680.54	671.56	605.97	0.	0.	1.12
147.80	1480.00	0.	0.	9600.00	649.30	672.55	7721.47	672.56	471.24	160.92	632.16	1.22
151.00	320.00	0.	0.	9600.00	648.60	671.59	6977.15	671.62	630.42	0.	0.	1.33
151.00	320.00	0.	0.	9600.00	648.60	672.60	7015.55	672.64	480.93	88.60	560.52	1.37
163.80	1260.00	0.	0.	9600.00	652.60	672.01	1993.00	672.26	226.38	0.	0.	4.33
163.80	1260.00	0.	0.	9600.00	652.60	672.98	1991.00	673.31	159.87	181.05	340.92	4.49
181.70	1790.00	0.	0.	9600.00	654.30	674.75	3092.28	674.85	443.64	0.	0.	2.70
181.70	1790.00	0.	0.	9600.00	654.30	675.72	3120.21	675.85	277.73	302.10	579.90	2.79
183.90	220.00	679.30	674.10	9600.00	654.60	676.61	22535.14	676.62	1393.69	0.	0.	0.60
183.90	220.00	679.30	674.10	9600.00	654.60	677.61	26148.31	677.41	1424.96	0.	0.	0.69
194.00	1010.00	0.	0.	9600.00	655.50	676.62	13222.49	676.65	606.64	0.	0.	1.13
194.00	1010.00	0.	0.	9600.00	655.50	677.61	13302.51	677.65	442.54	184.35	608.89	1.17
217.40	2340.00	0.	0.	9600.00	658.60	676.73	18681.13	676.74	1449.97	0.	0.	0.73
217.40	2340.00	0.	0.	9600.00	658.60	677.72	18701.06	677.73	1013.52	493.52	1507.04	0.76
240.00	2260.00	0.	0.	9000.00	661.90	674.85	6357.62	676.86	1408.58	0.	0.	1.05
240.00	2260.00	0.	0.	9000.00	661.90	677.84	6595.17	677.86	1049.69	309.52	1359.21	1.07
264.30	2430.00	0.	0.	9000.00	662.00	677.74	2068.96	677.84	766.68	0.	0.	3.07
264.30	2430.00	0.	0.	9000.00	662.00	678.64	2034.71	678.77	459.32	498.25	957.57	3.31
276.00	1170.00	0.	0.	9000.00	666.00	680.43	1575.97	680.80	432.52	0.	0.	4.71
276.00	1170.00	0.	0.	9000.00	666.00	681.42	1569.85	681.89	257.76	330.17	527.99	7.11
279.00	300.00	684.90	682.80	9000.00	666.60	680.47	5553.75	680.80	1109.92	0.	0.	1.57
279.00	300.00	684.90	682.80	9000.00	666.60	681.47	6936.23	681.89	1115.99	0.	0.	1.57
289.00	1000.00	0.	0.	9000.00	668.30	681.17	2997.43	681.25	756.76	0.	0.	3.51
289.00	1000.00	0.	0.	9000.00	668.30	682.14	2932.99	682.23	567.16	255.57	403.00	3.31
293.30	430.00	702.60	699.30	8800.00	669.30	681.17	842.07	685.00	101.66	0.	0.	16.44
293.30	430.00	702.60	699.30	8800.00	669.30	682.17	780.99	685.05	115.79	0.	0.	14.00

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CMSFL	TD	EG	TOP ID	STEMCL	STEMCR	VCF
303.70	1040.00	0.	0.	670.30	8800.00	688.33	2492.84	688.56	252.12	114.95	367.07	4.94
306.60	290.00	698.40	695.90	671.00	8600.00	688.17	2958.44	688.54	344.62	0.	0.	6.61
306.60	290.00	698.40	695.90	671.00	8800.00	689.17	3418.27	689.46	356.98	0.	0.	5.96
321.80	1520.00	0.	0.	672.10	8800.00	688.98	7859.20	689.99	1022.17	0.	0.	2.11
321.80	1520.00	0.	0.	672.10	8800.00	689.85	7753.51	689.88	744.99	126.03	671.02	2.22
340.00	1620.00	0.	0.	674.20	8600.00	689.28	4846.91	689.32	994.40	0.	0.	3.22
340.00	1620.00	0.	0.	674.20	8600.00	690.17	4779.04	690.22	622.60	488.72	1311.52	3.42
363.60	2360.00	0.	0.	677.40	8600.00	690.57	2028.40	690.86	624.13	0.	0.	7.33
363.60	2360.00	0.	0.	677.40	8600.00	691.44	1985.55	691.86	349.60	585.89	935.89	7.87
382.30	1870.00	0.	0.	680.10	8200.00	691.76	5695.96	691.79	1400.00	0.	0.	2.30
382.30	1870.00	0.	0.	680.10	8200.00	692.77	5693.11	692.79	1046.25	162.30	1208.55	2.51
400.00	1770.00	0.	0.	683.30	8200.00	692.41	1369.13	692.88	642.77	0.	0.	7.24
400.00	1770.00	0.	0.	683.30	8200.00	693.22	1273.67	693.94	410.62	509.16	920.00	8.30
SECTION NUMBER	DISCHARGE CFS	CMSFL	CMSFL DIFF EACH 0	CMSFL DIFF EACH SECTION	TOP ID	I. % DIFF	LENGTH					
90,000	9600,000	668,900	0.	0.	583,504	0.	0.					
90,000	9600,000	669,900	1,000	0.	236,359	145,235	0.					
97,500	9600,000	670,024	0.	1,124	225,515	0.	750,000					
97,500	9600,000	670,977	0,953	1,077	129,143	95,571	750,000					
112,000	9600,000	670,831	0.	0,667	755,457	0.	1450,000					
112,000	9600,000	671,644	1,014	0,667	523,500	221,957	1450,000					
123,000	9600,000	670,967	0.	0,136	605,652	0.	1100,000					
123,000	9600,000	671,980	1,013	0,135	484,226	211,426	1100,000					
133,000	9600,000	671,124	0.	0,157	403,972	0.	1000,000					
133,000	9600,000	672,127	1,003	0,147	276,004	125,946	1000,000					
147,600	9600,000	671,538	0.	0,414	605,966	0.	1490,000					
147,600	9600,000	672,550	1,012	0,223	471,242	134,725	1490,000					
151,000	9600,000	671,592	0.	0,054	636,420	0.	320,000					
151,000	9600,000	672,603	1,011	0,053	490,928	145,462	320,000					
163,800	9600,000	672,006	0.	0,414	226,383	0.	1250,000					
163,800	9600,000	672,978	0,972	0,375	159,666	46,516	1250,000					
181,700	9600,000	674,747	0.	2,791	403,936	0.	1790,000					
181,700	9600,000	675,724	0,977	2,748	277,735	146,106	1790,000					
183,900	9600,000	676,607	0.	1,859	1393,860	0.	220,000					
183,900	9600,000	677,607	1,000	1,082	1424,959	-31,069	220,000					
194,000	9600,000	676,621	0.	0,015	606,636	0.	1010,000					
194,000	9600,000	677,611	0,990	0,004	442,539	164,099	1010,000					
217,400	9600,000	676,729	0.	0,108	1469,967	0.	2340,000					
217,400	9600,000	677,722	0,993	0,111	1013,515	456,452	2340,000					
240,000	9000,000	676,889	0.	0,120	1446,576	0.	2260,000					

240,000	400,000	677,839	0.990	0.117	0.	1049,690	398,887	2260,000
264,300	9000,000	577,739	0.	0.890	0.	768,879	0.	2430,000
264,300	9000,000	678,635	0.896	0.796	0.	459,320	309,358	2430,000
276,000	9000,000	680,433	0.	2.694	0.	432,318	0.	1170,000
276,000	9000,000	681,416	0.983	2.791	0.	257,762	174,755	1170,000
279,000	9000,000	680,469	0.	0.037	0.	1109,916	0.	300,000
279,000	9000,000	681,469	1.000	0.054	0.	1115,947	59,064	300,000
289,000	9000,000	681,166	0.	0.696	0.	756,755	0.	1000,000
289,000	9000,000	682,137	0.971	0.647	0.	547,163	189,592	1000,000
293,300	8600,000	681,170	0.	0.004	0.	101,878	0.	430,000
293,300	8600,000	682,170	1.000	0.933	0.	115,787	-13,904	430,000
303,700	8600,000	688,160	0.	6.900	0.	410,638	0.	1000,000
303,700	8600,000	688,328	0.168	6.158	0.	242,121	158,517	1000,000
306,600	8600,000	688,173	0.	0.013	0.	364,820	0.	290,000
306,600	8600,000	689,173	1.000	0.845	0.	346,983	-22,343	290,000
321,800	8600,000	688,979	0.	0.806	0.	1022,170	0.	1520,000
321,800	8600,000	689,665	0.885	0.692	0.	744,905	277,175	1520,000
340,000	8600,000	689,284	0.	0.305	0.	998,400	0.	1820,000
340,000	8600,000	690,171	0.887	0.306	0.	622,707	375,693	1820,000
363,600	8600,000	690,573	0.	1.289	0.	624,129	0.	2360,000
363,600	8600,000	691,444	0.871	1.273	0.	309,660	274,524	2360,000
382,300	8200,000	691,776	0.	1.203	0.	1000,951	0.	1670,000
382,300	8200,000	692,766	0.990	1.322	0.	1046,206	553,753	1670,000
400,000	8200,000	692,413	0.	0.837	0.	662,746	0.	1770,000
400,000	8200,000	693,223	0.810	0.657	0.	310,621	251,945	1770,000

DATA FOR LAST GROSS SECTION.

PROFILE	TYPE	ENC	TARGET	TOP WIDTH	TOP ADJTH
1	0.	0.	0.	563.218	AREA=DIFF
2	4.000	0.284	0.284	401.545	-141.683