
 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

28 MAY 1976

C EDEN NC FIA STUDY ROCK CREEK
 1 FPMS RR FIA STUDY EDEN NC
 T2 100 YR NATURAL
 T3 ROCK CREEK EDEN NC

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1.	2.	-0.	-0.	-0.000000	-0.00	-0.0	-0.	543.060	-0.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNTH	ITRACE
	1.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	15.000
J3	-2.000	1.000	3.000	4.000	5.000	10.000	26.000	34.000	50.000	0.000
J3	38.000	50.000	4.000	5.000	53.000	54.000	10.000	26.000	0.000	200.000
QT	7.000	2500.000	2500.000	2500.000	2500.000	900.000	1900.000	4900.000	-0.000	-0.000
NC	.080	.080	.040	.200	.400	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	475.000	675.000
X1	100.000	15.000	500.000	518.000	-0.000	-0.000	-0.000	-0.000	-1.300	-0.000
GR	561.700	0.000	554.100	100.000	552.300	200.000	546.400	300.000	545.300	400.000
GR	541.100	500.000	537.800	504.000	538.300	507.000	538.600	513.000	541.200	518.000
GR	542.200	600.000	543.800	700.000	544.900	800.000	542.300	900.000	546.300	1000.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	475.000	675.000
X1	102.000	-0.000	-0.000	-0.000	2.000	2.000	2.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	475.000	675.000
X1	105.000	-0.000	-0.000	-0.000	3.000	3.000	3.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	475.000	675.000
X1	110.000	-0.000	-0.000	-0.000	5.000	5.000	5.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	475.000	675.000
X1	200.000	-0.000	-0.000	-0.000	90.000	90.000	90.000	-0.000	1.500	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	475.000	675.000
X1	350.000	-0.000	-0.000	-0.000	150.000	150.000	150.000	-0.000	2.000	-0.000
NC	.060	.060	.020	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	475.000	675.000
X1	411.000	15.000	500.000	512.500	61.000	61.000	61.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	550.000	548.000	-0.000
GR	561.700	0.000	554.100	100.000	552.300	200.000	546.400	300.000	545.300	400.000
GR	541.100	500.000	540.200	500.000	540.200	512.500	541.200	512.500	541.200	518.000
GR	542.200	600.000	543.800	700.000	544.900	800.000	542.300	900.000	546.300	1000.000
SB	1.250	1.900	2.500	-0.000	12.500	.500	85.000	-0.000	541.100	540.200
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	350.000	850.000
X1	589.000	15.000	500.000	512.500	178.000	178.000	178.000	-0.000	1.000	-0.000
X2	-0.000	-0.000	1.000	548.100	559.200	-0.000	-0.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	560.000	559.200	-0.000
BT	15.000	0.000	564.700	-0.000	100.000	563.900	-0.000	200.000	563.000	-0.000
BT	300.000	561.700	-0.000	400.000	560.900	-0.000	500.000	560.000	-0.000	500.000

BT	560,000	548,100	512,500	560,000	548,100	512,500	560,000	-0,000	518,000	560,000
BT	-0,000	600,000	559,300	-0,000	700,000	559,200	-0,000	800,000	559,500	-0,000
BT	900,000	560,100	-0,000	1000,000	560,600	-0,000	-0,000	-0,000	-0,000	-0,000
GR	561,700	0,000	554,100	100,000	552,300	200,000	546,400	300,000	545,300	400,000
GR	541,100	500,000	540,200	500,000	540,200	512,500	541,200	512,500	541,200	518,000
GR	542,200	600,000	543,800	700,000	544,900	800,000	542,300	900,000	546,300	1000,000
NC	.080	.080	.050	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	450,000	850,000
X1	639,000	-0,000	-0,000	-0,000	90,000	10,000	50,000	-0,000	.600	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	30,000	405,000
X1	650,000	12,000	300,000	315,000	11,000	11,000	11,000	-0,000	-3,800	-0,000
GR	560,000	0,000	558,400	100,000	558,000	200,000	552,000	295,000	546,500	300,000
GR	546,000	305,000	545,700	310,000	545,500	313,000	547,600	315,000	550,500	327,000
GR	555,300	385,000	560,000	400,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	50,000	400,000
X1	670,000	-0,000	-0,000	-0,000	20,000	20,000	20,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	75,000	400,000
X1	750,000	-0,000	-0,000	-0,000	80,000	800,000	800,000	-0,000	1,100	-0,000
OT	7,000	2400,000	2400,000	2400,000	2400,000	840,000	1820,000	4680,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	120,000	370,000
X1	900,000	-3,000	-0,000	-0,000	150,000	150,000	150,000	-0,000	1,700	-0,000
NC	.080	.080	.025	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	165,000	365,000
X1	990,000	13,000	300,000	307,000	90,000	90,000	90,000	-0,000	-0,000	-0,000
X3	10,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	552,000	552,000	-0,000
GR	560,000	0,000	558,400	100,000	558,000	200,000	552,000	295,000	546,500	300,000
GR	545,400	300,000	545,400	307,000	546,500	307,000	547,600	315,000	550,500	327,000
GR	552,000	345,000	555,300	385,000	560,000	400,000	-0,000	-0,000	-0,000	-0,000
SB	1,250	1,720	2,500	-0,000	7,000	.800	25,000	-0,000	545,400	545,400
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	165,000	365,000
X1	1010,000	-0,000	-0,000	-0,000	20,000	20,000	20,000	-0,000	-0,000	-0,000
X2	-0,000	-0,000	1,000	549,400	552,000	-0,000	-0,000	-0,000	-0,000	-0,000
X3	10,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	552,000	552,000	-0,000
BT	13,000	0,000	560,000	0,000	100,000	558,400	0,000	200,000	558,000	0,000
BT	295,000	552,000	0,000	300,000	552,000	0,000	300,000	552,000	549,400	307,000
BT	552,000	549,400	307,000	552,000	0,000	315,000	552,000	0,000	327,000	552,000
BT	0,000	345,000	552,000	0,000	385,000	555,300	0,000	400,000	560,000	0,000
NC	.070	.070	.050	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	150,000	350,000
X1	1060,000	-0,000	-0,000	-0,000	50,000	50,000	50,000	-0,000	1,100	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	200,000	400,000
X1	1250,000	17,000	200,000	222,000	190,000	190,000	190,000	-0,000	-3,900	-0,000
GR	581,200	0,000	569,300	100,000	566,100	176,000	559,800	190,000	556,600	200,000
GR	553,200	212,000	553,500	214,000	553,600	219,000	556,700	222,000	559,900	233,000
GR	562,300	250,000	567,900	265,000	568,500	300,000	560,700	346,000	554,900	395,000
GR	562,400	400,000	562,300	465,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
OT	7,000	2300,000	2300,000	2300,000	2300,000	800,000	1750,000	4530,000	-0,000	-0,000
NC	.070	.070	.020	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	9,100	-0,000	-0,000	-0,000	-0,000	-0,000	200,000	400,000
X1	1467,000	18,000	205,500	218,500	217,000	217,000	217,000	-0,000	-0,000	-0,000
X3	10,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	568,200	559,000	-0,000
GR	581,200	0,000	569,300	100,000	566,100	176,000	559,800	190,000	556,600	200,000
GR	556,600	205,500	553,400	205,500	553,400	218,500	556,700	218,500	556,700	222,000
GR	559,900	333,000	562,300	250,000	567,900	265,000	568,500	300,000	560,700	346,000
GR	554,900	395,000	562,400	400,000	562,300	465,000	-0,000	-0,000	-0,000	-0,000
SB	1,250	2,190	2,500	-0,000	13,000	2,000	77,000	-0,000	553,400	553,400

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ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	200.000	400.000
X1	1533.000	-0.000	-0.000	-0.000	66.000	66.000	66.000	-0.000	-0.000	-0.000
X2	-0.000	-0.000	1.000	560.400	562.300	-0.000	-0.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	568.200	562.300	-0.000
HT	9.000	0.000	573.200	0.000	100.000	568.200	0.000	205.500	567.900	0.000
RT	205.500	567.900	560.400	218.500	567.900	560.400	218.500	567.900	0.000	300.000
PT	568.600	0.000	400.000	564.000	0.000	465.000	562.300	0.000	-0.000	-0.000
NC	.070	.090	.040	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	200.000	400.000
X1	1583.000	-0.000	-0.000	-0.000	50.000	50.000	50.000	-0.000	.600	-0.000
QT	7.000	2240.000	2240.000	2240.000	2240.000	770.000	1730.000	4400.000	-0.000	-0.000
NC	.090	.090	.050	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	200.000	400.000
X1	2000.000	-0.000	-0.000	-0.000	417.000	417.000	417.000	-0.000	3.100	-0.000
QT	7.000	2180.000	2180.000	2180.000	2180.000	750.000	1690.000	4270.000	-0.000	-0.000
NC	.100	.080	.060	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	200.000	370.000
X1	2500.000	-0.000	-0.000	-0.000	500.000	500.000	500.000	-0.000	3.900	-0.000
QT	7.000	2110.000	2110.000	2110.000	2110.000	710.000	1650.000	4140.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	160.000	260.000
X1	3000.000	14.000	210.000	225.000	500.000	500.000	500.000	-0.000	-0.000	-0.000
GR	598.200	45.000	589.200	100.000	571.200	175.000	567.600	200.000	567.500	210.000
GR	565.200	214.000	564.600	217.000	565.000	220.000	560.200	225.000	579.900	300.000
GR	596.200	400.000	606.100	464.000	612.600	489.000	612.700	500.000	-0.000	-0.000
ET	-0.000	-0.000	9.100	-0.000	-0.000	-0.000	-0.000	-0.000	180.000	250.000
X1	3200.000	-0.000	-0.000	-0.000	200.000	200.000	200.000	-0.000	1.500	-0.000
EJ	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

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 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPMS BR FIA STUDY EDEN NC
 T2 FLOODWAY
 T3 ROCK CREEK EDEN NC

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	3.	-0.	-0.	-0,000000	-0,00	-0,0	-0	544,060	-0,000
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHN:M	ITRACE
	15,000	-0,000	-1,000	-0,000	-0,000	-0,040	-0,000	-0,000	-0,000	-0,000

*PROF 2

GCHV= .200 CEHV= .400

*SECNO 100,000

SECNO	DEPTH	WSEL	CRIWS	WSELK	EG	HV	HL	LOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CDRAR	TOPMID	ENDST

3470 ENCROACHMENT STATIONS= 475,0 675,0 TYPE= 1 TARGET= 200,000

*** SECTION SURVEYED AT NC 14 ***

100,00	7,56	544,06	0,00	544,06	544,48	.42	0,00	0,00	539,80
2500,	277,	904,	1320,	93,	114,	492,	0,	0,	539,90
0,00	2,96	7,91	2,68	.080	.040	.080	0,000	536,50	475,00
.004392	-0,	-0,	-0,	0	0	1	0,00	200,00	675,00

*SECNO 102,000

3470 ENCROACHMENT STATIONS= 475,0 675,0 TYPE= 1 TARGET= 200,000

102,00	7,57	544,07	0,00	0,00	544,49	.42	.01	0,00	539,80
2500,	277,	903,	1321,	94,	114,	493,	0,	0,	539,90
.00	2,96	7,88	2,68	.080	.040	.080	.027	536,50	475,00
.004359	2,	2,	2,	0	0	1	0,00	200,00	675,00

*SECNO 105,000

3470 ENCROACHMENT STATIONS= 475,0 675,0 TYPE= 1 TARGET= 200,000

105,00	7,59	544,09	0,00	0,00	544,51	.42	.01	.00	539,80
2500,	277,	901,	1323,	94,	115,	496,	0,	0,	539,90
.00	2,95	7,85	2,67	.080	.040	.080	.029	536,50	475,00
.004312	3,	3,	3,	0	0	1	0,00	200,00	675,00

*SECNO 110,000

3470 ENCROACHMENT STATIONS= 475,0 675,0 TYPE= 1 TARGET= 200,000

SUMMARY PRINTOUT

ROCK CREEK EDFN NC

SECNO	CWSEL	EG	TOPWID	10K*S	HV	VCH	.01K	DIFWSP	
100.00	543.06	543.69	459.26	85.44	.63	9.84	270.47	0.00	
100.00	544.06	544.48	200.00	43.92	.42	7.91	377.25	1.00	
102.00	543.22	543.73	486.43	69.65	.51	9.05	299.56	0.00	
102.00	544.07	544.49	200.00	43.59	.42	7.88	376.64	.85	
105.00	543.33	543.76	509.26	58.92	.43	8.45	325.69	0.00	
105.00	544.09	544.51	200.00	43.12	.42	7.85	380.73	.75	
110.00	543.41	543.80	520.95	54.16	.39	8.17	339.69	0.00	
110.00	544.13	544.53	200.00	41.56	.41	7.74	387.78	.72	
*	200.00	544.50	545.18	448.53	92.76	.68	10.17	259.57	0.00
*	200.00	544.51	545.54	200.00	120.36	1.03	11.60	227.87	.01
*	350.00	546.40	547.19	430.97	106.67	.79	10.77	242.06	0.00
*	350.00	546.49	547.54	200.00	122.26	1.05	11.67	226.10	.10
*	411.00	548.13	548.15	500.00	1.86	.03	2.81	1833.58	0.00
*	411.00	548.22	548.36	175.00	6.05	.13	5.10	1016.36	.09
589.00	560.34	560.34	969.01	.02	.00	.62	19532.19	0.00	
589.00	560.35	560.35	500.00	.04	.00	.91	13303.08	.00	
639.00	560.34	560.34	961.18	.04	.00	.36	13278.77	0.00	
639.00	560.35	560.35	400.00	.11	.00	.53	7510.30	.00	
650.00	560.34	560.35	400.00	.80	.02	1.76	2794.27	0.00	
650.00	560.34	560.36	370.00	.83	.02	1.80	2739.12	.00	
670.00	560.34	560.35	400.00	.80	.02	1.76	2794.69	0.00	
670.00	560.34	560.36	350.00	.86	.02	1.83	2689.31	.00	
750.00	560.38	560.40	400.00	1.19	.02	2.07	2288.08	0.00	
750.00	560.38	560.41	325.00	1.32	.03	2.18	2173.19	.01	
900.00	560.39	560.43	400.00	2.29	.04	2.67	1587.45	0.00	
900.00	560.39	560.45	250.00	2.90	.06	3.01	1408.65	.00	
990.00	560.36	560.49	400.00	3.45	.14	5.58	1292.54	0.00	
990.00	560.34	560.54	200.00	4.43	.20	6.33	1140.23	.02	
*	1010.00	560.39	560.53	400.00	3.38	.13	5.54	1304.63	0.00
*	1010.00	560.34	560.54	200.00	4.43	.20	6.33	1140.29	.05
1060.00	560.49	560.56	359.98	6.08	.07	3.55	973.53	0.00	
1060.00	560.47	560.59	200.00	8.66	.12	4.23	815.68	.03	
1250.00	560.60	560.74	217.62	10.55	.14	4.25	738.86	0.00	
1250.00	560.65	560.83	132.69	16.26	.19	4.37	595.14	.05	
*	1467.00	561.55	563.38	97.85	46.75	1.83	13.50	336.38	0.00
*	1467.00	561.52	563.38	97.17	47.71	1.86	13.62	332.99	.04

THE UNIVERSITY OF MICHIGAN LIBRARY SYSTEMS

SECNO	CKSEL	EG	TOPWID	10K*S	HV	VCH	.01K	DIFWSP
* 1533.00	566.62	566.75	209.99	3.53	.13	4.58	1207.87	0.00
* 1533.00	566.55	566.75	144.35	4.90	.20	5.31	1039.03	-.07
1583.00	566.70	566.78	234.98	6.18	.09	3.84	925.19	0.00
1583.00	566.62	566.79	145.38	9.80	.16	4.81	734.57	-.07
2000.00	567.09	567.33	205.78	30.80	.24	5.84	403.64	0.00
2000.00	567.23	567.54	124.00	35.13	.31	6.29	377.95	.14
2500.00	569.37	569.83	120.53	87.60	.46	7.29	232.92	0.00
2500.00	569.97	570.99	84.02	150.51	1.02	10.01	177.69	.60
3000.00	573.72	574.43	95.89	92.68	.71	8.82	219.17	0.00
3000.00	574.74	575.17	99.75	50.06	.43	7.03	298.23	1.02
3200.00	575.53	576.14	99.09	77.28	.61	8.26	240.02	0.00
3200.00	575.80	576.41	70.00	68.88	.60	7.97	254.23	.28

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SUMMARY PRINTOUT

ROCK CREEK EDEN NC

SECNO	DIFWSP	TOPWID	10K+S	SSTA	ENDST	HV	VCH
100.00	0.00	459.26	85.44	422.38	951.50	.63	9.84
100.00	1.00	200.00	43.92	475.00	675.00	.42	7.91
102.00	0.00	486.43	69.65	418.75	955.31	.51	9.05
102.00	.85	200.00	43.59	475.00	675.00	.42	7.88
105.00	0.00	509.26	58.92	415.70	958.52	.43	8.45
105.00	.75	200.00	43.12	475.00	675.00	.42	7.85
110.00	0.00	520.95	54.16	414.14	960.16	.39	8.17
110.00	.72	200.00	41.56	475.00	675.00	.41	7.74
* 200.00	0.00	448.53	92.76	423.81	949.99	.68	10.17
* 200.00	.01	200.00	120.36	475.00	675.00	1.03	11.60
* 350.00	0.00	430.57	106.67	426.21	947.47	.79	10.77
* 350.00	.10	200.00	122.26	475.00	675.00	1.05	11.67
* 411.00	0.00	500.00	1.86	500.00	1000.00	.03	2.81
* 411.00	.09	175.00	6.05	500.00	675.00	.13	5.10
589.00	0.00	969.01	.02	30.99	1000.00	.00	.62
589.00	.00	500.00 200	.04	350.00	850.00	.00	.91
639.00	0.00	961.18	.04	33.82	1000.00	.00	.36
639.00	.00	400.00	.11	450.00	850.00	.00	.63
650.00	0.00	400.00	.80	0.00	400.00	.02	1.76
650.00	.00	370.00	.83	30.00	400.00	.02	1.80
670.00	0.00	400.00	.80	0.00	400.00	.02	1.76
670.00	.00	350.00	.86	50.00	400.00	.02	1.83
750.00	0.00	400.00	1.19	0.00	400.00	.02	2.07
750.00	.01	325.00	1.32	75.00	400.00	.03	2.18
900.00	0.00	400.00	2.29	0.00	400.00	.04	2.67
900.00	.00	250.00	2.90	120.00	370.00	.06	3.01
990.00	0.01	400.00	3.45	0.00	400.00	.14	5.58
990.00	.02	200.00	4.43	165.00	365.00	.20	6.33
1010.00	0.00	400.00	3.38	0.00	400.00	.13	5.54
1010.00	.05	200.00	4.43	165.00	365.00	.20	6.33
1060.00	0.00	359.98	6.08	38.07	398.06	.07	3.55
1060.00	.03	200.00	8.66	150.00	350.00	.12	4.23
1250.00	0.00	217.62	10.55	179.58	465.00	.14	4.25
1250.00	.05	132.69	16.26	200.00	400.00	.19	4.37
* 1467.00	0.00	97.65	46.75	205.50	399.43	1.83	13.50
* 1467.00	.04	97.17	47.71	205.50	399.41	1.86	13.62

475 - 675

550 - 850

420 - 550

35 - 425

50 - 400

75 - 400

120 - 370

165 - 305

150 - 350

200 - 400

200 - 400

CONTRACTS ENGINEERING & SURVEYING, INC.

SECNO	DIFWSP	TOPWID	10K*S	SSTA	ENDST	HV	VCH
* 1533.00	0.00	209.99	3.63	205.50	465.00	.13	4.58
* 1533.00	-.07	144.35	4.90	205.50 ²¹²	400.00	.20	5.31
1583.00	0.00	234.98	6.18	176.01	465.00	.09	3.84
1583.00	-.07	145.38	9.80	200.00 ²¹²	400.00	.16	4.81
2000.00	0.00	205.78	30.80	182.02 ²¹²	465.00	.27	5.84
2000.00	.14	124.00	35.13	200.00 ²¹²	400.00	.31	6.29
2500.00	0.00	120.53	87.60	185.62	399.58	.46	7.29
2500.00	.60	84.02	150.51	200.00 ²¹²	370.00	1.02	10.01
3000.00	0.00	95.89	92.68	154.50	260.39	.71	8.82
3000.00	1.02	99.75	50.06	160.25 ²¹⁸	260.00	.43	7.03
3200.00	0.00	99.09	77.28	163.24	262.33	.61	8.26
3200.00	.28	70.00	68.68	180.00 ²¹⁹	250.00	.60	7.97

200-400

200-400

200-400

200 370

160-260

150-250

COMPARISON INSTRUMENTS CORPORATION

FLOODWAY DATA, ROCK CREEK EDEN NC
 PROFILE NO. 2

STATION	FLOODWAY			WATER SURFACE ELEVATION		
	WIDTH (FT)	SECTION AREA	MEAN VELOCITY	WITH FLOODWAY	WITHOUT FLOODWAY	DIFFERENCE
100.000	200.	700.	3.6	544.1	543.1	1.0
102.000	200.	702.	3.6	544.1	543.2	.9
105.000	200.	704.	3.6	544.1	543.3	.8
110.000	200.	713.	3.5	544.1	543.4	.7
200.000	200.	490.	5.1	544.5	544.5	.0
350.000	200.	487.	5.1	546.5	546.4	.1
411.000	175.	1081.	2.3	548.2	548.1	.1
589.000	500. 200	7000. 3700	1.2	^{560.6} 560.3	560.3	.0
639.000	400.	6299.	.4	560.3	560.3	.0
650.000	370.	3104.	.8	560.3	560.3	.0
670.000	350.	3009.	.8	560.3	560.3	.0
750.000	325.	2536.	1.0	560.4	560.4	.0
900.000	250.	1699.	1.4	560.4	560.4	.0
990.000	200.	1303.	1.8	560.3	560.4	-.0
1010.000	200.	1303.	1.8	560.3	560.4	-.1
1060.000	200.	1030.	2.3	560.5	560.5	.0
1250.000	133.	759.	3.2	560.6	560.6	.0
1427.000	97.	366.	6.3	561.5	561.6	-.0
1533.000	144.	982.	2.3	566.5	566.6	-.1
1583.000	145.	959.	2.4	566.6	566.7	-.1
2000.000	124.	624.	3.6	567.2	567.1	.1
2500.000	84.	317.	6.9	570.0	569.4	.6
3000.000	100.	498.	4.2	574.7	573.7	1.0
3200.000	70.	404.	5.2	575.8	575.5	.3

POSSIBLE ERROR SECNO= 200.00 PROFILE= 1 CRITICAL DEPTH ASSUMED
 POSSIBLE ERROR SECNO= 200.00 PROFILE= 1 20 TRIALS REQUIRED TO BALANCE WSEL
 POSSIBLE ERROR SECNO= 200.00 PROFILE= 2 CRITICAL DEPTH ASSUMED
 POSSIBLE ERROR SECNO= 350.00 PROFILE= 1 CRITICAL DEPTH ASSUMED

12 MAY 1976 - 2

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

C FDEN NC FIA STUDY ROCK CREEK
 1 FPMS BR FIA STUDY EDEN NC
 T2 10 YR NATURAL
 T3 ROCK CREEK EDEN NC

J1	ICHECK	IND	MINV	IDIR	STRT	METRIC	HVINS	0	WSEL	FO
	-1.	6.	-0.	-0.	.008600	-0.00	-0.0	-0.	550.000	-0.000
J2	NPROF	IPLUT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
J3	-2.000	1.000	43.000	42.000	3.000	10.000	5.000	50.000	4.000	53.000
J3	54.000	26.000	0.000	201.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
QT	7.000	2500.000	2500.000	2500.000	2500.000	900.000	1900.000	4900.000	-0.000	-0.000
NC	.080	.060	.040	.200	.400	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	7.400	8.400	10.400	-0.000	-0.000	-0.000	-0.000	-0.000
X1	100.000	15.000	500.000	518.000	-0.000	-0.000	-0.000	-0.000	-1.300	-0.000
GR	561.700	0.000	554.100	100.000	552.300	200.000	546.400	300.000	545.300	400.000
GR	541.100	500.000	537.800	504.000	538.300	507.000	538.600	513.000	541.200	518.000
GR	542.200	600.000	543.800	700.000	544.900	800.000	542.300	900.000	546.300	1000.000
X1	102.000	-0.000	-0.000	-0.000	2.000	2.000	2.000	-0.000	-0.000	-0.000
X1	105.000	-0.000	-0.000	-0.000	3.000	3.000	3.000	-0.000	-0.000	-0.000
X1	110.000	-0.000	-0.000	-0.000	5.000	5.000	5.000	-0.000	-0.000	-0.000
X1	200.000	-0.000	-0.000	-0.000	90.000	90.000	90.000	-0.000	1.500	-0.000
X1	350.000	-0.000	-0.000	-0.000	150.000	150.000	150.000	-0.000	2.000	-0.000
IC	.060	.060	.020	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
X1	411.000	15.000	500.000	512.500	61.000	61.000	61.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	550.000	548.000	-0.000
GR	561.700	0.000	554.100	100.000	552.300	200.000	546.400	300.000	545.300	400.000
GR	541.100	500.000	540.200	500.000	540.200	512.500	541.200	512.500	541.200	518.000
GR	542.200	600.000	543.800	700.000	544.900	800.000	542.300	900.000	546.300	1000.000
SB	1.250	1.900	2.500	-0.000	12.500	.500	85.000	-0.000	541.100	540.200
Y1	589.000	15.000	500.000	512.500	178.000	178.000	178.000	-0.000	1.000	-0.000
X2	-0.000	-0.000	1.000	548.100	559.200	-0.000	-0.000	-0.000	-0.000	-0.000
X3	10.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	560.000	559.200	-0.000
BT	15.000	0.000	564.700	-0.000	100.000	563.900	-0.000	200.000	563.000	-0.000
BT	300.000	561.700	-0.000	400.000	560.900	-0.000	500.000	560.000	-0.000	500.000
RT	560.000	548.100	512.500	560.000	548.100	512.500	560.000	-0.000	518.000	560.000
BT	-0.000	600.000	559.300	-0.000	700.000	559.200	-0.000	800.000	559.500	-0.000
BT	900.000	560.100	-0.000	1000.000	560.600	-0.000	-0.000	-0.000	-0.000	-0.000
GR	561.700	0.000	554.100	100.000	552.300	200.000	546.400	300.000	545.300	400.000

GR	541,400	500,000	540,200	500,000	540,200	512,500	541,200	512,500	541,200	518,000
GR	542,200	600,000	543,800	700,000	544,900	800,000	542,300	900,000	546,300	1000,000
NC	.080	.080	.050	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
X1	630,000	-0.000	-0.000	-0.000	90,000	10,000	50,000	-0.000	.600	-0.000
X1	650,000	12,000	300,000	315,000	11,000	11,000	11,000	-0.000	-3,800	-0.000
GR	560,000	0,000	558,400	100,000	558,000	200,000	552,000	295,000	546,500	300,000
GR	546,100	305,000	545,700	310,000	545,500	313,000	547,600	315,000	550,500	327,000
GR	555,300	385,000	560,000	400,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
Y1	670,000	-0,000	-0,000	-0,000	20,000	20,000	20,000	-0,000	-0,000	-0,000
X1	750,000	-0,000	-0,000	-0,000	80,000	800,000	800,000	-0,000	1,100	-0,000
QT	7,000	2400,000	2400,000	2400,000	2400,000	840,000	1820,000	4680,000	-0,000	-0,000
X1	900,000	-0,000	-0,000	-0,000	150,000	150,000	150,000	-0,000	1,700	-0,000
NC	.080	.080	.025	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
X1	990,000	13,000	300,000	307,000	90,000	9,000	90,000	-0,000	-0,000	-0,000
X3	10,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	552,000	552,000	-0,000
GR	560,000	0,000	558,400	100,000	558,000	200,000	552,000	295,000	546,500	300,000
GR	545,400	300,000	545,400	307,000	546,500	307,000	547,600	315,000	550,500	327,000
GR	552,000	345,000	555,300	385,000	560,000	400,000	-0,000	-0,000	-0,000	-0,000
SB	1,250	1,720	2,500	-0,000	7,000	.800	25,000	-0,000	545,400	545,400
X1	1010,000	-0,000	-0,000	-0,000	20,000	20,000	20,000	-0,000	-0,000	-0,000
X2	-0,000	-0,000	1,000	549,400	552,000	-0,000	-0,000	-0,000	-0,000	-0,000
X3	10,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	552,000	552,000	-0,000
BT	13,000	0,000	560,000	0,000	100,000	558,400	0,000	200,000	558,000	-0,000
BT	295,000	552,000	0,000	300,000	552,000	0,000	300,000	552,000	549,400	307,000
BT	552,000	549,400	307,000	552,000	0,000	315,000	552,000	0,000	327,000	552,000
BT	0,000	345,000	552,000	0,000	385,000	555,300	0,000	400,000	560,000	0,000
NC	.070	.070	.050	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
X1	1060,000	-0,000	-0,000	-0,000	50,000	50,000	50,000	-0,000	1,100	-0,000
X1	1250,000	17,000	200,000	222,000	190,000	190,000	190,000	-0,000	-3,000	-0,000
GR	581,200	0,000	569,300	100,000	566,100	176,000	559,800	190,000	556,600	200,000
GR	553,200	212,000	553,500	214,000	553,600	219,000	556,700	222,000	559,900	233,000
GR	562,300	250,000	567,900	265,000	568,500	300,000	560,700	346,000	554,900	395,000
GR	562,400	100,000	562,300	465,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
QT	7,000	2300,000	2300,000	2300,000	2300,000	800,000	1750,000	4530,000	-0,000	-0,000
NC	.070	.070	.020	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
ET	-0,000	-0,000	5,400	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
X1	1467,000	10,000	205,500	218,500	217,000	217,000	217,000	-0,000	-0,000	-0,000
X3	10,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	568,200	559,000	-0,000
GR	581,200	0,000	569,300	100,000	566,100	176,000	559,800	190,000	556,600	200,000
GR	556,600	205,500	553,400	205,500	553,400	218,500	556,700	218,500	556,700	222,000
GR	559,900	233,000	562,300	250,000	567,900	265,000	568,500	300,000	560,700	346,000
GR	554,900	395,000	562,400	400,000	562,300	465,000	-0,000	-0,000	-0,000	-0,000
SB	1,250	2,190	2,500	-0,000	13,000	2,000	77,000	-0,000	553,400	553,400
X1	1533,000	-0,000	-0,000	-0,000	66,000	66,000	66,000	-0,000	-0,000	-0,000
X2	-0,000	-0,000	1,000	560,400	562,300	-0,000	-0,000	-0,000	-0,000	-0,000
X3	10,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	568,200	567,900	-0,000
BT	9,000	0,000	573,200	0,000	100,000	568,200	0,000	205,500	567,900	-0,000
BT	205,500	567,900	560,400	218,500	567,900	560,400	218,500	567,900	0,000	300,000
BT	568,600	0,000	400,000	564,000	0,000	465,000	562,300	0,000	-0,000	-0,000
NC	.070	.090	.040	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000
X1	1583,000	-0,000	-0,000	-0,000	50,000	50,000	50,000	-0,000	.600	-0,000
QT	7,000	2240,000	2240,000	2240,000	2240,000	770,000	1730,000	4400,000	-0,000	-0,000
NC	.090	.090	.050	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000	-0,000

X1	2000.000	-0.000	0.000	-0.000	417.000	417.000	417.000	270.000	3.100	-0.000
QT	7.000	2180.000	2180.000	2180.000	2180.000	750.000	1690.000	420.000	-0.000	-0.000
NC	.100	.080	.060	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
ET	-0.000	-0.000	7.400	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
X1	2500.000	-0.000	-0.000	-0.000	500.000	500.000	500.000	-0.000	3.900	-0.000
QT	7.000	2110.000	2110.000	2110.000	2110.000	710.000	1650.000	4140.000	-0.000	-0.000
X1	3000.000	14.000	210.000	225.000	500.000	500.000	500.000	-0.000	-0.000	-0.000
GR	598.200	45.000	589.200	100.000	571.200	175.000	567.600	200.000	567.500	210.000
GR	565.200	214.000	564.600	217.000	565.000	220.000	568.200	225.000	579.900	300.000
GR	596.200	400.000	606.100	464.000	612.600	489.000	612.700	500.000	-0.000	-0.000
X1	3200.000	-0.000	-0.000	-0.000	200.000	200.000	200.000	-0.000	1.500	-0.000
EJ	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPMS BR FIA STUDY EDEN NC
 T2 50 YR NATURAL
 T3 ROCK CREEK EDEN NC

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-10.	7.	-0.	-0.	.008600	-0.00	-0.0	-0.	555.000	-0.000
J2	NPROF	IPLT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

*PROF 2
 CCHV= .200 CF4V= .400
 *SECNO 100.000

3265 DIVIDED FLOW

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

*** SECTION SURVEYED AT NC 14 ***

100.00	6.17	542.67	0.00	555.00	543.31	.65	0.00	0.00	539.80
1900.	214.	837.	849.	98.	89.	372.	0.	0.	539.90
0.00	2.19	9.37	2.28	.080	.040	.080	0.000	536.50	431.75
.008589	-0.	-0.	-0.	0	0	9	0.00	389.16	941.66

*SECNO 102.000

3265 DIVIDED FLOW

102.00	6.42	542.92	0.00	0.00	543.37	.45	.01	.04	539.80
1900.	224.	760.	915.	115.	94.	452.	0.	0.	539.90
.00	1.94	8.12	2.03	.080	.040	.080	.027	536.50	425.86
.006034	2.	2.	2.	4	0	1	0.00	433.23	947.85

*SECNO 105.000

3265 DIVIDED FLOW

105.00	6.50	543.00	0.00	0.00	543.39	.39	.02	.01	539.80
1900.	227.	736.	937.	122.	95.	482.	0.	0.	539.90
.00	1.86	7.72	1.95	.080	.040	.080	.029	536.50	423.78

 INTERACTIVE HEC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 EPMS BR FIA STUDY EDEN NC
 T2 100 YR NATURAL
 T3 ROCK CREEK EDEN NC

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ
 -10. 2. -0. -0. ,008600 -0.00 -0.0 -0. 560.000 -0.000

J2 NPROF IPILOT PRFVS XSECV XSECH FN ALLOC IBW CHNIN ITRACE
 3.000 -0.000 -1.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000

*PROF 3

CCHV= .200 CEHV= .400
 *SECNO 100.000

3265 DIVIDED FLOW

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

*** SECTION SURVEYED AT NG 13 ***

100.00	6.56	543.06	0.00	560.00	543.69	.63	0.00	0.00	539.80
2500.	301.	948.	1251.	126.	96.	502.	0.	0.	539.90
0.00	2.38	9.85	2.49	.080	.040	.080	0.000	536.50	422.45
.008566	-0.	-0.	-0.	0	0	9	0.00	458.91	951.45

*SECNO 102.000

3265 DIVIDED FLOW

102.00	6.72	543.22	0.00	0.00	543.73	.50	.02	.03	539.80
2500.	307.	895.	1298.	139.	99.	563.	0.	0.	539.90
.00	2.21	9.02	2.31	.080	.040	.080	.027	536.50	418.61
.006910	2.	2.	2.	8	0	1	0.00	487.50	955.46

*SECNO 105.000

3265 DIVIDED FLOW

105.00	6.83	543.33	0.00	0.00	543.76	.43	.02	.01	539.80
2500.	311.	858.	1331.	149.	101.	610.	0.	0.	539.90
.00	2.09	8.47	2.18	.080	.040	.080	.029	536.50	415.77

 INTERACTIVE REC2 VERSION UPDATED FEB 1976
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
 MODIFICATIONS 50,51,52,53,54,55,56,57,58

T1 FPMS BR FIA STUDY EDEN NC
 T2 500 YR NATURAL
 T3 ROCK CREEK EDEN NC

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	8.	-0.	-0.	.008600	-0.00	-0.0	-0.	565.000	-0.000
J2	NPROF	IPLCT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIN	ITRACE
	15.000	-0.000	-1.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000

*PROF 4

CCHV= .200 CEHV= .400

*SECNO 100.000

SECNO	DEPTH	GWSEL	CRINS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QJOB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITR1AL	IDC	ICONT	CORAR	TOPWID	ENDST

*** SECTION SURVEYED AT NC 14 ***

100.00	7.64	544.14	0.00	565.00	544.74	.60	0.00	0.00	539.80
4900.	654.	1279.	2967.	225.	116.	967.	0.	0.	539.90
0.00	2.91	11.05	3.07	.080	.040	.080	0.000	536.50	387.26
.008433	-0.	-0.	-0.	0	0	.8	0.00	591.24	978.50

*SECNO 102.000

102.00	7.73	544.23	0.00	0.00	544.77	.54	.02	.01	539.80
4900.	664.	1243.	2994.	235.	117.	1008.	0.	0.	539.90
.00	2.82	10.59	2.97	.080	.040	.080	.027	536.50	379.10
.007601	2.	2.	2.	2	0	1	0.00	601.64	980.75

*SECNO 105.000

105.00	7.80	544.30	0.00	0.00	544.80	.50	.02	.01	539.80
4900.	671.	1217.	3013.	244.	119.	1040.	0.	0.	539.90
.00	2.75	10.26	2.90	.080	.040	.080	.029	536.50	372.96
.007040	3.	3.	3.	2	0	1	0.00	609.48	982.44

*SECNO 110.000

110.00	7.89	544.39	0.00	0.00	544.84	.45	.03	.01	539.80
4900.	660.	1183.	3037.	256.	120.	1082.	0.	0.	539.90
.00	2.66	9.84	2.81	.080	.040	.080	.031	536.50	364.69
.006361	5.	5.	5.	2	0	1	0.00	620.02	984.71