100 YEAR FLOODWAY

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	HANNEL MIN EL ENGTH ROADWAY		EL OF		(CFS)	CWSEL	τQ	EG	TOPWID	STENCL	STENCR	VCH
NOUBER LE	LINGTH RUADWAT	LOW	CHURD	GROUND	(CFS)							
1200.00	1200.00	0.0	0.0		2820.00	216,92	511.87	217.05	\$05,62	0.0	0.0	4.52
1200.00	1200.00	0.0	0.0	209.00	2820.00	217,92	522.46	218,10	150,95	309,53	460.48	4.83
2750.00	1550.00	0.0	0.0	213,90	2820.00	221,51	520.61	221.69	292.21	0.0	0.0	4.85
2750.00	1550.00	0.0	0.0	213,90	2820.00	222,34	527.77	222.60	123.61	152,77	276.39	5,16
2800.00	50.00	0.0	0.0	213.60	2820.00	220,36	152.36	222.68	46.00	0.0	0.0	12.22
2800.00	50.00	0.0	0.0	213.60	2820.00	221.83	225,13	223,22	46.00	150,00	196.00	9.46
2825.00	25.00	0.0	0.0	213.60	2820.00	220.81	174.18	222.76	46.00	0.0	0.0	11.20
2825.00	25.00	0.0	0.0	213,60	2820.00	222,28	249.14	223.49	46.00	150.00	196.00	8.85
2875.00	50.00	0.0	0.0	214.30	2820.00	223.03	769.19	223.13	326.97	0.0	0.0	3,63
2875.00	50.00	0.0	0.0		2820.00	223,62	711.29	223.77	145,15	149.40	294,55	4.11
4995.00	2120.00	0.0	0.0	219.60	2820.00	228.86	284,10	229.31	299.94	0.0	0.0	7.96
4995.00	2120,00	0.0	0.0		2820.00	229,83	308.57	230.37	136.90	232.19	369.09	7.97
7595.00	2600.00	0.0	0.0	228.30	2370.00	236.65	692.49	236.70	588.36	0.0	0.0	2.83
7595.00	2600.00	0.0	0.0		2370.00	237,54	678.27	237.61	221,16	167.50	388.67	3,14
SECTION	DISCHARGE	CWSEL		CWSEL DIFF	CWSEL D	IFF CWSE	I -WSELK	TOPWID	T.W. D	IFF LEN	CTH	
NUMBER	CFS			EACH Q	EACH SE		L HOLEN				5111	No. of Concession
1200.000		216	.923	0.0	0.0		0.0	305,616	0.0	120	0.000	
1 1200.000	2820.000	217	.920	0.997	0.0		0.0	150,955	154.6		0.000	
A 2750.000		221	.507	0.0	4.5	33	0.0	292.207	0.0	155	0.000	
0 2750.000	2820.000	222	.338	0.831	4.4	18	0.0	123,611	168.5	95 155	0.000	No. Marie Marchine and
2800.000	2820.000	220	.364	0.0	-1.14	+3	0.0	46,000	0.0	5	0.000	
2800,000	2820.000	221	.826	1.463	-0.5		0.0	46.000	0.0		0.000	
2825.000	2820.000	220	.814	0.0	0.4	50	0.0	"5.000	0.0	21	5.000	
2825,000	2820.000	222	.277	1,463	0,4	50	0.0	46,000	0.0		5,000	
(/ 2875.000			.029	0.0	2.2	15	0.0	326,972	0.0	51	0.000	
2875.000	2820.000	223	.615	0,586	1.3	39	0.0	145,155	181.8	17 51	0.000	
4995.000	and a second		.859	0.0	5.8		0.0	299.944	0.0	212	0.000	
4995,000	2820,000	229	.827	0.968	6.2	12	0.0	136,905	163.0		0.000	
0 7595.000			.650	0.0	7.7		0.0	388,356	0.0		0.000	
7595.000	2370.000	237	.542	0,893	7.7:	16	0.0	221,164	167.19	92 260	0.000	
	AST CROSS SECT	and the second s										
PROFILE	TYPE ENC	TARG			TOP WIDTH AREA-DIFF							
1			.0	46.868	0.0							- Andrewski - A
2	4.000	0	.301	22.668	-24.21	00						

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1 12 13	FLOC		STUDY AT W	AKE COUNTY		B N0,6855						
1 IC	HECK	INQ	NINV	IDIR	ST	RT M	ETRIC	HVINS	Q	WSEL	FQ	
-	10.	6.	0.	0.	0.0		0.0	0.0	0.	217.920	0.0	
IP NP	ROF	IPLOT	PRFVS	XSEC	xs	ECH F	N A	LLDC	IBW	CHNIM	ITRACE	
1	5.000	0.0	-1.0	00 0.0	)	0.0	0.0	0.0	0.0	0.0	0.0	
CHV= 2800 NAT Q SEC Q TIM SLO	NAT Q1 1= NO	741. RA DEPTH QLOB VLOB	.87 WSEL	QROB VROB	02 ENC 0.5350 WSELK ALOB XNL ITRIAL	0.1473 0 EG ACH XNCH	1.87 WSE 3178 WS HV AROB XNR ICONT	EL= 2 HL VOL WTN	OLOSS	BANK ELEV LEFT/RIGHT SSTA		
470 FI	VCROAC	HMENT ST	ATIONS=	309.5	460.	5 TYPE-	4 та	PGET-	0.309			
		8.92				218.10	0.18	0.0	0.0			
				879.		122.	278.			211.90		
			4.83	3.16	0.085	0.060	0.085	0.0				
0.002	913	1200.	1200.	1200.	0	0	1	0.0				
2800 ( NAT Q:	NAT Q1 L=	= 520 740, RA	.61 WSEL TIOS LOB,	= 221.5 CH,ROB= 0	1 ENC .1206	Q1= 52 0.3262 0	0.61 WSE .5532 WS	L= 22 EL= 2	2.51 RAT 22.51	IO= 0.0		
				152.8		4 TYPE=	4 TA	RGET=	0.296			
2750				0.0			0.26		0.02	215,50		
28;			1244.	1286.	96.			29.	5.	215.60	and the second second	
0.		3.03		2.97	0.085		0.085			152,77		
0.0021	355	1550.	1550.	1550.	4	0	1	0.0	123.61	276.39		

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TRACEBACK ROUTINE CALLED FROM ISN REG. 14 REG. 15 REG. 0 REG. 1

MAIN 00012962 01075BC0 FD000008 000F1FF8

ENTRY POINT= 01075BC0

STANDARD FIXUP TAKEN , EXECUTION CONTINUING 2800 NAT 01= 152.36 WSEL= 220.36 ENC 01= 201.18 WSEL= 221.36 RATIO= -0.3204

X1       7595.000       20.000       265.000       279.000       2600.000       2600.000       2600.000       0.0       0.0       0.0       0.0         GR       243.900       0.0       237.200       100.000       233.700       108.000       233.200       158.000       229.800       160.00         GR       228.300       163.000       229.000       166.000       229.800       170.000       232.800       171.000       232.400       200.00         GR       231.400       265.000       229.000       268.000       228.500       270.000       229.000       231.800       279.00         GR       231.800       300.000       233.600       400.000       234.600       478.000       238.500       500.000       247.400       592.00		
X1       7595.000       20.000       265.000       279.000       2600.000       2600.000       2600.000       0.0       0.0       0.0         GR       243.900       0.0       237.200       100.000       233.700       108.000       233.200       158.000       229.800         GR       228.300       163.000       229.000       166.000       229.800       170.000       232.800       171.000       232.400         GR       231.400       265.000       229.000       268.000       226.500       270.000       229.000       231.800         GR       231.800       300.000       233.600       400.000       234.600       478.000       238.500       500.000       247.400	0.0	0.0 160.000 200.000 279.000 592.000 0.0
X1         7595.000         20.000         265.000         279.000         2600.000         2600.000         2600.000         0.0           GR         243.900         0.0         237.200         100.000         233.700         108.000         233.200         158.000           GR         228.300         163.000         229.000         166.000         229.800         170.000         232.800         171.000           GR         231.400         265.000         229.000         268.000         228.500         270.000         229.000         272.000           GR         231.800         300.000         233.600         400.000         234.600         478.000         238.500         500.000	0.0	229.800 232.400 231.800 247.400
X1         7595.000         20.000         265.000         279.000         2600.000         2600.000         2600.000           GR         243.900         0.0         237.200         100.000         233.700         108.000         233.200           GR         228.300         163.000         229.000         166.000         229.800         170.000         232.800           GR         231.400         265.000         229.000         268.500         270.000         229.000           GR         231.800         300.000         233.600         400.000         234.600         478.000         238.500	0.0	158.000 171.000 272.000 500.000
X1         7595.000         20.000         265.000         279.000         2600.000         2600.000           GR         243.900         0.0         237.200         100.000         233.700         108.000           GR         228.300         163.000         229.000         166.000         229.800         170.000           GR         231.400         265.000         229.000         268.000         226.500         270.000           GR         231.800         300.000         233.600         400.000         234.600         478.000	0.0	233.200 232.800 229.000 238.500
X1         7595.000         20.000         265.000         279.000         2600.000           GR         243.900         0.0         237.200         100.000         233.700           GR         228.300         163.000         229.000         166.000         229.800           GR         231.400         265.000         229.000         268.000         226.500           GR         231.800         300.000         233.600         400.000         234.600	2370.000	108.000 170.000 270.000 478.000
X1         7595.000         20.000         265.000         279.000           GR         243.900         0.0         237.200         100.000           GR         228.300         163.000         229.000         166.000           GR         231.400         265.000         223.600         400.000           GR         231.400         265.000         233.600         400.000	4550,000	233,700 229,800 228,500 234,600
X1         7595.000         20.000         265.000           GR         243.900         0.0         237.200           GR         226.300         163.000         229.000           GR         231.400         265.000         229.000           GR         231.800         300.000         233.600	2370.000	100.000 166.000 268.000 400.000
X1         7595.000         20.000           GR         243.900         0.0           GR         226.300         163.000           GR         231.400         265.000           GR         231.400         300.000	1800.000	237.200 229.000 229.000 233.600
X1 7595.000 GR 243.900 GR 228.300 GR 231.400 GR 231.800	900.000	0.0 163.000 265.000 300.000
X1 GR GR GR GR	5.000	243.900 228.300 231.400 231.800
	QT	GR GR GR GR

#### T1 T2 TRIB. 7 BASIN 6 NEUSE RIVER TRIB. FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855 13 100 YEAR FLOOD WATER SURFACE PROFILE

ERR MOD	OR CORRECTI	UPDATED JAN IONS 01,02,0 52,53,54,55	03,04,05,	58									
***	*****	*********	*******	*****	***								
T1	TRIC	7 BASIN 6	NEUSE E	TVER	TRTP								
11					Y M-G JOB NO	6855							
13		EAR FLOOD W				,							-
J1	ICHECK	INQ P	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ			
	0.	4.	0.	0,	. 0.003000	0,0	0.0	0.	216.000	0.0			
JS	NPROF	IPLOT P	PRFVS	XSEC	V XSECH	FN	ALLDC	IBW	CHNIM	ITRA	ACE		
	0.0	0.0	-1.000	0.0	0 0.0	0.0	0.0	0.0	0.0	0.	.0		
J3 NC	1.000				4.000	27.000	28.000	26.0		0.0	0.0	0.0	
QT	0.085		5 0.0 2150.0		0.100	0.300	0.0	0.0		0.0	0.0	0.0	
ET	5.000		2150.0 0.0		2820.000	5240.000 0.0	2820.000	0.0		0.0	0.0	0.0	1000
×ı	1200.000				415.000	1200.000	1200.000	1200.0		0.0	0.0	0.0	
GR	227.200	0.0	223.5	500	100.000	217.200	200.000	212.4	+00 31	500.000	212.900	400.000	100
GR	209.600				404.000	209.000	408.000	209.6	500 4:	13.000	211,900	415,000	
<u>JR</u>	211.600		215.5	500	500.000	218.000	520.000	227.0	00 6	10.000	0.0	0.0	Contraction of the
X1	2750.000				200,000	1550,000	1550.000	1550.0		0.0	-0.400	0.0	
GR	231,600	40.000	226.1	100	100.000	218,700	145.000	215.9	900 10	69.000	214,800	171.000	Contraction of the
GR GR	214.500				182.000	214.800	187.000	216.0	000 21	200.000	218,800	300,000	
	221,200				500,000	230,000	600,000	0,0		0.0	0.0	0.0	
×1	2800.000				196.000	50,000	50.000	50.0		0.0	0.0	0.0	See.
(3 28	10.000		0.0		0.0	0.0	0.0	0.0	0 2:	222.900	221.600	0.0	
GR GR	230,700 214,600		226.3		100.000	224.400	150.000	218.2		50.000 84.000	215,300	165.000	
<b>F</b> R	223.000				200.000	222.700	300.000	214.6		100.000	216.100 227.500	196.000 500.000	
<b>F</b> R	231.100	600,000	0.0	0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	123
\$B	0.900				0.0	46.000	2,000	317,5		0.0	0.0	0.0	
(1	2825.000		0.0		0.0	25,000	25.000	25.0		0.0	0.0	0.0	
(2	0.0	0.0	1.0	000	222,900	222.700	0.0	0.0	D	0.0	0.0	. 0.0	1999
(3 3T	10.000		0.0	0	0.0	0.0	0.0	0.0		224.400	223.000	0.0	
3 T 3 T	9.000		230.7		0.0 200.000	100.000 222.800	226,300	0.0		22.700	224,400	222,900	VIETNA
DT	224.500		500.0		227.500	0.0	0.0 600.000	300.0 231.1		0.0	0.0	400.000	
(1	2875.000				200.000	50.000	50.000	50.0		0.0	0.0	0.0	1200
R	231.600	40.000	226.1	100	100.000	218,700	145.000	215.9	900 1	69.000	214.800	171.000	
R	214.500				182.000	214.800	187.000	216,0	000 2	200.000	218,800	300,000	1000
R	221.200				500.000	230.000	600.000	0.0		0.0	0.0	0.0	
1	4995.000				288.000	2120.000	2120.000	2120.0		0.0	0.0	0.0	Sec.
R	240.000		225.5		270.000	220.700	275.000	219.8	800 2	278.000	219.600	281.000	100
FR FR	220.700 238.000				288.000 608.000	226.000 0.0	300.000	226.3 0.0		00.000	227.800 0.0	500,000	

100 YEAR	FLOODWAY												
NUMBER	CHANNEL MIN EL LENGTH ROADWA			MIN EL I GROUND		HARGE FS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	• VCH
1200.00	1200.00	0.0	0.0	209.00		20.00	216.92	511.87	217.05	305.62	0.0	408 0.0	4.52
7 1200.00		0.0	0.0	209.00		20.00	217.92	522.46	218.10	150.95	309,53	460,48	4.83
2750.00		0.0	0.0	213.90		20.00	221.51	520.61	221.69	292.21	30 0.0 /	82 0.0 74	4.85
		0.0	0.0	213.90	28	20.00	222.34	527.77	222.60	123.61	152.77	276.39 94	5.16
2800.00		0.0	0.0	213.60		20.00	220.36	152.36	222.68	46.00	0.0	0.0	12.22
2825.00	25.00	0.0	0.0	213.60	28:	20.00	220.81	174.18	222.76	46.00	0.0		
2825.00		0.0	0.0	213.60	warmen and the second second	20.00	222.28	249.14	223.49	46.00	150.00	0.0	11.20 8.85
2875,00		0.0	0.0	214.30		20.00	223.03	769.19	223.13	326,97	33 0.0,1	82 0.0 112	3.63
2875.00		0.0	0.0	214.30	282	20.00	223.62	711.29	223.77	145.15	149.40	294.55	4.11
9 4995.00		0.0	0.0	219.60		20.00	228.86	284.10 308.57	229.31 230.37	299.94	0.0 2 232.19	8/ 0.0	7.96
7595.00	2600.00	0.0	0.0	228.30	23	70.00	236.65	692.49	236.70	388.36	49	98	
7595.00		0.0	0.0	228.30		70.00	237.54	678.27	237.61	221.16	0.0 #	388.67	2.83
SECTION		CWSEL		CWSEL DIFF				L-WSELK	TOPWID	T.W. DI	FF LEN	IGTH II 9	
NUMBER 1200.0 1200.0		216.9	23	EACH Q 0.0 0.997	E/	0.0 0.0	TION	0.0	305.616	0.0		0.000	
2750.0 2750.0		221.5		0.0 0.831	~	4.58 4.41		0.0	292.207 123.611	0.0		0.000	
£2800.0 2800.0		220.3		0.0	_	-1.14		0.0	46.000	0.0		0.000	
L2825.0 2825.0		220.8 222.2		0.0 1.4634	/	0.45		0.0	46.000 46.000	0.0		5,000	
2875.0 2875.0		223.02		0.0	Ċ	2.21		0.0	326.972 145.155	0.0		0.000	
4995.0 4995.0		228.8 229.8		0.0 0.968	~	5.83		0.0	299.944 136.905	0.0 163.03		0.000	
7595.0 7595.0		236.6		0.0 0.893	$\sim$	7.79		0.0	388.356 221.164	0.0 167.19		0.000	
DATA FOR PROFILE	LAST CROSS SECT	ION TARGET				WIDTH				•			
			AREA	A-ACRES	AREA	-Dirr							

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	**************************************	ED JAN 1975	5								
ERKOR C	ORRECTIONS	01.02.03.04	1.05.06.0	7.08						e states and	
	ATIONS 52.5			****							
•										Card I and	
T1 T0		ASIN 6 NEL									
T2 T3	100 YEAR F	STUDY AT W	TAKE COUN	IY M-G JU	B NO.6855	5					
JI ICH	ECK ING	NINV	IDI	R ST	RT M	TRIC	HVINS	Q	WSEL	FQ	
-1	0. 6	• 0.	, (	0.0		0.0	0.0	0.	217.920	0.0	
J2 NPR	OF IPLO	T DEFUG									
UE MPR		T PREVS	S XSEC	<u>.v xs</u>	ECH F	EN A	LLDC	IBW	CHNIM	ITRACE	
15	.000 0.	0 -1.0	00 0.	.0	0.0	0.0	0.0	0.0	0.0	0.0	
	0.100 CEHV										
2800 N	AT Q1= 5					1.87 WSE		7.92 RAT	10= 0.0		
SECN	AND REAL PROPERTY AND	CWSEL	CRIWS	WSELK	EG	HV HV	HL 2	01.055	BANK ELEV		
Q	QLOB	ACH	QROB	ALOB	ACH,	AROB	VOL	TWA	LEFT/RIGHT		
TIME		VCH XLCH	VROB XLOBR	XNL ITRIAL	XNCH IDC	XNR ICONT	WTN CORAR	ELMIN TOPWID	SSTA		
3201	e ALOBE	ALCH	ALODK	TINIAL	100	ICONT	LOKAK	TOPWID	ENDST		
	CROACHMENT	CTATTOUC-	309.5	460.	5 TYPE=						
3470 EN	CHUACHINE	STATIONS=	309.3			4 TA	RGET=	0.309			
1200.	00 8.92	217.92	0.0	216,92	218.10	0.18	0.0	0.309	212,90		
1200. 282	00 8.92 0. 1352.	217.92 588.	0.0 879.	216.92 475.	218.10 122.	0.18 278.	0.0	0.0	212.90 211.90		
1200.	00 8.92 0. 1352. 0 2.85	217.92 588. 4.83	0.0	216,92	218.10	0.18	0.0	0.0	212.90 211.90 309.53		
1200. 282 0.	00 8.92 0. 1352. 0 2.85	217.92 588. 4.83	0.0 879. 3.16	216.92 475. 0.085	218.10 122. 0.060	0.18 278. 0.085	0.0 0. 0.0	0.0 0. 209.00	212.90 211.90 309.53		
1200. 282 0. 0.0029	00 8.92 0. 1352. 0 2.85 13 1200.	217.92 588. 4.83 1200.	0.0 879. <u>3.16</u> 1200.	216,92 475. 0.085 0	218.10 122. 0.060 0	0.18 278. 0.085 1	0.0 0.0 0.0	0.0 0. 209.00 150.95	212.90 211.90 309.53 460.48		
1200. 282 0. 0.0029	00 8.92 0. 1352. 0 2.85 13 1200.	217.92 588. 4.83 1200.	0.0 879. <u>3.16</u> 1200.	216.92 475. 0.085 0	218.10 122. 0.060 0	0.18 278. 0.085 1 20.61 WSE	0.0 0.0 0.0 0.0	0.0 0. 209.00 150.95	212.90 211.90 309.53 460.48		
1200. 282 0. 0.0029 2800 N NAT Q1:	00 8.92 0. 1352. 0 2.85 13 1200. Al Q1= 5 = 740.	217.92 588. 4.83 1200. 20.61 WSEL RATIOS LOB,	0.0 879. 3.16 1200. = 221. CH.ROB=	216.92 475. 0.085 0 .51 ENC 0.1206	218.10 122. 0.060 0 91= 52 0.3262 0	0.18 278. 0.085 1 20.61 WSE 0.5532 WS	0.0 0.0 0.0 0.0 CL= 222 EL= 22	0.0 0. 209.00 150.95 2.51 RAT 22.51	212.90 211.90 309.53 460.48 10= 0.0		
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1200. 282 0. 0.0029 2800 N NAT G1: 3470 ENI 2750. 282	00       8.92         0.       1352.         0.       2.85         13       1200.         AT Q1=       52         =       740.         CROACHMENT 30       8.44         0.       230.	217.92 588. 4.83 1200. 20.61 WSEL RATIOS LOB, STATIONS= 222.34 1244.	0.0 879. <u>3.16</u> 1200. = 221. CH.ROB= 152.8 0.0 1286.	216.92 475. 0.085 0 .51 ENC 0.1206 276. 221.51 96.	218.10 122. 0.060 0 0 0 1= 52 0.3262 0 4 TYPE= 222.60 241.	0.18 278. 0.085 1 20.61 WSE 0.5532 WS 4 TA 0.26 433.	0.0 0.0 0.0 0.0 EL= 223 EL= 23 RGET= 4.47 29.	0.0 0. 209.00 150.95 2.51 RAT 22.51 0.296 0.02 5.	212.90 211.90 309.53 460.48 IO= 0.0 215.50 215.60		
1200. 282 0. 0.0029 2800 N NAT 01: 3470 EN 2750. 282 0.	00         8.92           0.         1352.           0.         2.85           13         1200.           AT Q1=         52           =         740.           CROACHMENT 3         0           0.         6.444           0.         250.           11         3.03	217.92 588. 4.83 1200. 20.61 WSEL RATIOS LOB, STATIONS= 222.34 1244. 5.16	0.0 879. 3.16 1200. = 221. CH.ROB= 152.8 0.0 1286. 2.97	216.92 475. 0.085 0 .51 ENC 0.1206 276.0 2276.0 2276.0 2276.0 296. 0.085	218.10 122. 0.060 0 0 1= 52 0.3262 0 4 TYPE= 222.60 241. 0.060	0.18 278. 0.085 1 20.61 WSE 0.5532 WS 4 TA 0.26 433. 0.085	0.0 0.0 0.0 0.0 EL= 222 EL= 22 RGET= 4.47 29. 0.060	0.0 0.209.00 150.95 2.51 RAT 22.51 0.296 0.02 5. 213.90	212.90 211.90 309.53 460.48 10= 0.0 215.50 215.60 152.77		
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1200. 282 0. 0.0029 2800 N NAT 01: 3470 EN 2750. 232 0. 0.0028	00 8.92 0. 1352. 0. 2.85 13 1200. AT Q1= 52 = 740. CROACHMENT 3 00 8.44 0. 290. 11 3.03 55 1550.	217.92 588. 4.83 1200. 20.61 WSEL RATIOS LOB, STATIONS= 222.34 1244. 5.16 1550.	0.0 879. 3.16 1200. = 221. CH.ROB= 152.8 0.0 1286. 2.97 1550.	216.92 475. 0.085 0 .51 ENC 0.1206 221.51 96. 0.085 4	218.10 122. 0.060 0 0 0 1= 52 0.3262 0 4 TYPE= 222.60 241. 0.060 0	0.18 278. 0.085 1 20.61 WSE 0.5532 WS 4 TA 0.26 433. 0.085 1	0.0 0.0 0.0 EL= 222 EL= 22 RGET= 4.47 29. 0.060 0.0	0.0 0.209.00 150.95 2.51 RAT 22.51 0.296 0.02 5. 213.90 123.61	212.90 211.90 309.53 460.48 IO= 0.0 215.50 215.60 152.77 276.39	CONTAINED	0000000000000000
1200. 282. 0. 0.0029 2800 N. NAT 01: 3470 END 2750. 282. 0. 0.0028 IHC2091	00       8.92         0       1352.         0       2.85         13       1200.         AT Q1=       52         =       740.         CROACHMENT       300         0       6.444         0.       290.         11       3.03         55       1550.	217.92 588. 4.83 1200. 20.61 WSEL RATIOS LOB. STATIONS= 222.34 1244. 5.16 1550.	0.0 879. 3.16 1200. = 221. CH.ROB= 152.8 0.0 1286. 2.97 1550. RUPT (P)	216.92 475. 0.085 0 .51 ENC 0.1206 221.51 96. 0.085 4 - DIVIDE	218.10 122. 0.060 0 0 0 0 0 0 0 0 0 0 0 0 0	0.18 278. 0.085 1 20.61 WSE 0.5532 WS 4 TA 0.26 433. 0.085 1 1 .0 PSW IS	0.0 0.0 0.0 0.0 0.0 0.0 CL= 222 SEL= 22 RGET= 4.47 29. 0.060 0.0 FF750009	0.0 0.209.00 150.95 2.51 RAT 22.51 0.296 0.02 5. 213.90 123.61 -4205027C	212.90 211.90 309.53 460.48 IO= 0.0 215.50 215.60 152.77 276.39	CONTAINED	000000000000000
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STANDARD FIXUP TAKEN , EXECUTION CONTINUING 2800 NAT 01= 152.36 WSFL= 220.36 ENC 01= 201.18 WSEL= 221.36 RATIO= -0.3204

19 A.													
		<u>QT</u>	5.000	900,000	1800.000	2370.000	4550,000	2370.000	0.0	0.0	0.0	0,0	
	E	X1 GR GR GR GR EJ	7595.000 243.900 228.300 231.400 231.600 0.0	20.000 0.0 163.000 265.000 300.000 0.0	265.000 237.200 229.000 229.000 233.600 0.0	279.000 100.000 166.000 268.000 400.000 0.0	2600.000 233.700 229.800 228.500 234.600 0.0	2600.000 108.000 170.000 270.000 478.000 0.0	2600.000 233.200 232.800 229.000 238.500 0.0	0.0 158.000 171.000 272.000 500.000 0.0	0.0 229.800 232.400 231.800 247.400 0.0	0.0 160.000 200.000 279.000 592.000 0.0	12
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HEC2 VERSION UPDATED JAN 1975
ERROR CONRECTIONS 01,02,03,04,05,06,07,08
MODIFICATIONS 52,53,54,55,56,57,58
<b>***</b> *********************************

### T1 T2 T3 TRIB. 7 BASIN 6 NEUSE RIVER TRIB. FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855 100 YEAR FLOOD WATER SURFACE PROFILE

	MODI	IFICATIONS	52.53.54.5	03.04.05.06							
	***>	*********	**********	******	*****						
				A States							
	T1 T2			5 NEUSE RIV Y AT WAKE CO	/ER TRIB. Dunty M-g Job N	0.6855					
21/200	Т3			WATER SURFAC							
	JI	ICHECK	ING	NINV I	IDIR STRT	METRIC	HVINS	Q I	WSEL FQ		
		0.	4.	0.	0. 0.003000	0.0	0.0	0. 216	6.000 0.0	Contra Manageria	
	10										•
E.C. M	75	NPROF	IPLOT	PRFVS X	SECV XSECH	<u>I FN</u>	ALLDC	IBW CH	HNIM ITR	ACE	
		0.0	0.0	-1.000	0.0 0.0	0.0	0.0	0.0	0.0 0	• 0	
	J3 NC	1.000	34.000			27.000	28.000	26.000	0.0	0.0	0.0
	QT	0.085	0.085			0.300	0.0 2820.000	0.0	0.0	0.0	0.0
	ET	5.000	0.0	0.0	0.0	0.0	-10.400	0.0	0.0	0.0	0.0
	X1	1200.000	14.000	400.000	415.000	1200.000	1200.000	1200.000	0.0		0.0
	GR	227.200	0.0	223.500		217.200	200.000	212.400	300.000	0.0	400.0007
	GR	209.600	403.000	209.000	404.000	209.000	408.000	209.600	413.000	211.900	415.000
100	GR	211.600	451.000	215.500	500.000	218.000	520.000	227.000	610.000	0.0	0,0
	XI	2750.000	13.000			1550.000	1550.000	1550.000	0.0	-0.400	0.0
	GR	231.600	40.000	226.100	100.000	218.700	145.000	215.900	169.000	214.800	171,000
	GR GR	214.500 221.200	177.000			214.800	187.000	216.000	200.000	218,800	300,000
			400.000	225.200	500.000	230.000	600.000	0.0	0.0	0.0	0.0
	XI	2800.000	16.000			50.000	50.000	50,000	. 0.0	0.0	0.0
	X3 GR	10.000 230.700	0.0	0.0	0.0	0.0	0.0	0.0	222.900	221.600	0.0
	GR	214.600	0.0	226.300		224.400 214.000	150.000	218.200	150.000	215.300 216.100	165.000 196.000
	GR	223.000	196.000			222.700	300.000	224.500	400.000	227.500	500,000
	GR	231.100	600,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0,0
ALC: NO	SB	U,900	1.500			46.000	2.000	317.500	0.0	0.0	0.0
	X1	2825.000	0.0	0.0	0.0	25,000	25.000	25.000	0.0	0.0	0.0
	X5	0.0	0.0	1.000	222.900	222.700	0.0	0.0	0.0	0.0	0.0
	x3	10.000	0.0	0.0	0.0	0.0	0.0	0.0	224.400	223.000	0.0
	BT	9.000	0.0	230.700		100,000	226.300	0.0	150.000	224.400	222,900
	BT	196.000 224.500	223.000	221.600		222.800	0.0	300.000 231.100	222.700	0.0	400.000
	X1 GR	2875.000	13.000			50.000	50.000	50.000	0.0	0.0	0.0
	GR	231.600	40.000			218.700 214.800	145.000 187.000	215.900 216.000	169.000	214.800 218.800	171.000 300.000
	GR	221.200	400.000			230.000	600.000	0.0	0.0	0.0	0.0
				$\sim$							
	X1 GR	4995.000	12.000			2120.000	2120.000	2120.000	0.0	0.0	0.0
	GR	220.700	0.0 284.000	225.500		220,700 226,000	275.000 300.000	219,800 226,300	278.000 400.000	219.600 227.800	281.0 <u>00</u> / 500.000
	GR	238.000	572.000			0.0	0.0	0.0	0.0	0.0	0.0

	2750,000	2820.000	221.507	0.666	4,583	0.0	292,207	-88,216	1550.000
a la serie de la s	2750,000	5240.000	223.336	1.829	4.610	0.0	348.781	-144.791	1550.000
4	2750,000	2820.000	50104.500	49881.160	0.0	0.0	74.822	129,169	1550,000
	2800,000	1080.000	219.374	0.0	-0.039	0.0	46.000	0.0	50.000
1	2800.000	2150.000	220.298	0.924	-0.543	0.0	46.000	0.0	50.000
	2800,000	2820.000	220.364	0.066	-1.143	0.0	46.000	0.0	50.000
	2800.000	5240.000	224.316	3,952	0.980	0.0	239.765	-193.765	50.000
	2800,000	2820.000	50104.500	49880.180	0.0	0.0	46.002	-0.002	50,000
	2825.000	1080.000	219.424	0.0	0.050	0.0	46.000	0.0	25.000
	2825.000	2150.000	220.554	1.131	0.257	0.0	46.000	0.0	25.000
1.	2825.000	2820.000	220.814	0.260	0,450	0.0	46.000	0.0	25.000
	2825.000	5240.000	224.454	3.640	0.138	0.0	249.396	-203.396	25.000
	2825.000	2820.000	220.424	-4.030	-49884.070	0.0	46.000	0.0	25.000
	2875.000	1080.000	220.073	0.0	0.649	0.0	216.400	0.0	50.000
	2875.000	2150.000	222.008	1.935	1.454	0.0	295.296	-78.896	50.000
	2875.000	2820.000	223.029	1.021	2.215	0.0	326.972	-110.572	50.000
	2875.000	5240.000	226.228	3.199	1.774	0.0	422.800	-206.399	50.000
	2875,000	2820.000	50104.719	49878.490	49884.290	0.0	81,962	134.439	50.000
	4995.000	1080.000	227.550	0.0	7.477	0.0	251,531	0.0	2120.000
	4995.000	2150.000	228.455	0.905	6.447	0.0	289.658	-38.106	2120.000
	4995.000	2820.000	228.859	0.404	5.830	0.0	299.944	-48.412	2120.000
The l	4995.000	5240.000	230.206	1.347	3.979	0.0	334.602	-83.071	2120.000
'	4995,000	2820.000	50104.719	49874,510	0.0	0.0	51,176	200.355	2120.000
	7595.000	900.000	234.744	0.0	7.194	0.0	373,198	0.0	2600.000
	7595.000	1800.000	236.018	1.274	7.563	0.0	583,500	-10.102	2600.000
2 8 8 Y 1 1 1 1 1 1 1 1 1	7595.000	2370.000	236.650	0.632	7,791	0.0	388, 356	-15.158	2600.000
	7595.000	4550.000	238.431	1.781	8,225	0.0	417,987	-44.790	2600.000
	7595,000	2370.000	50104.719	49866.280	0.0	0.0	149.271	223.927	2600.000

UATA FOR LAST CROSS SECTION PROFILE TYPE ENC TA TARGET TOP WIDTH TOP WIDTH AREA-ACRES AREA-DIFF 0.0 6.292 8.501 15.847 -25.765 38.367 44.659 1 2 3 0.0 0.0 0.0 0.0 46.868 54.214 0.0 0.0 4 5 0.0 0.0 4.000 12.602

100 YEAR FLOODWAY

	Y				V		1/1						
SE	CTION C	HANNEL MIN EL	OF MAX	EL OF	MINEL	DISCHARGE	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
NU	MBER L	ENGTH ROADWA	AY LOW	CHORD	GROUND	(CFS)							
	1200.00.	/ 1200.00	0.0	0.0	209.00	1080.00	214.96	197.17	215.04	246.52	0.0	0.0	3.62
	1200.00	1200.00	0.0	0.0	209.00	2150.00	216.28	390.98		287.03	0.0	0.0	4.24
	1200.00	1200.00	0.0	0.0	209.00	2820.00	216.92	511.87		305.62	0.0	0.0	4.52
	1200.00	1200.00	0.0	0.0	209.00	5240.00	218.73	958.62		351.49	0.0	0.0	5.21
	1200.00	1200.00	0.0	0.0	209.00				50104.50	105.66			
	1200.00	1200.00	0.0	0.0	200.00	2020.00	50104.50	*******	50104.50	100,00	328,16	433.82	0.00
	2750.00	1550.00	0.0	0.0	213.90	1080.00	219.41	204.33	219.54	203.99	0.0	0.0	3.73
	2750.00	1550.00	0.0	0.0	213.90	2150.00	220.84	398.15	221.01	271.52	0.0	0.0	4.52
	2750.00	1550.00	0.0	0.0	213.90	2820.00	221.51	520.61	221.69	292.21	0.0	0.0	4.85
	2750.00	1550.00	0.0	0.0	213.90	5240.00	223.34	953.25	223.57	548.78	0.0	6.0	5.75
	2750.00	1550.00	0.0	0.0	213.90		50104.50	******	50104.50	74.82	169.00	243.82	0.00
								al					
	2800.00	50.00	0.0	0.0	213.60	1080.00		20.\$108.31	219,90	46.00	0.0	0.0	5.83
	2800.00	50.00	0.0	0.0	213.60	2150.00		149.29	221.68	46.00	0.0	0.0	9.44
	2800.00	50.00	0.0	0.0	213.60	2820.00		221152.36	222.68	46.00	0.0	0.0	12.22
	2800.00	50.00	0.0	0.0	213.60	5240.00	224.32	420.21	226.05	239.76	0.0	0.0	11.22
10.00	2800.00	50.00	0.0	0.0	213.60	2820.00	50104.50	******	50104.50	46.00	150,00	196.00	0.00
h.	2825.00	25.00	222.70	222.90	213.60	1080 00	10219 42	110 29	219.94	46.00	0.0	0.0	5.76
	2825.00		222.70	222.90		2150 00	C 220 55	161.31	221.81	46.00			
						2130.00	4 6220.00	221,51174.18			0.0	0.0	8.98
	2825.00		222.70	222.90					222.76	46.00	0.0	0.0	11.20
	2825.00		222.70	222,90			00224.45	438.79	226.05	249.40	0.0	0.0	10.85
	2825,00	25.00	222.70	222.90	213.60	2020.00	220.42	1)135.12	50104.50	46.00	0.0	0.0	12,08
199	2875.00	50.00	0.0	0.0	214.30	1080.00	220.07	233.85	220.18	216.40	0.0	0.0	3.37
	2875.00	50.00	0.0	0.0	214.30	2150.00	222.01	540.51	222.11	295.30	0.0	0.0	3.59
	2875.00	50.00	0.0	0.0	214.30	2820.00	225.03	769.19	223.13	326.97	0.0	0.0	3.63
	2875.00	50.00	0.0	0.0	214.30	5240.00	226.23		226.31	422.80	0.0	0.0	3.59
	2875.00	50.00	0.0	0.0	214.30				50104.72	81.96	169.00	250.96	0.00
	4995.00	/2120.00	0,0	0.0	219.60	1080.00	227.55	125.58	227.91	251,55	0.0	0.0	6.05
	4995.00	2120.00	0.0	0.0	219.60	2150.00	228.45	226.40	228.87	289.64	0.0	0.0	7.33
	4995.00	2120.00	0.0	0.0	219.60	2820.00	228.86	284.10	229.31	299.94	0.0	0.0	7.96
No.	4995.00	2120.00	0.0	0.0	219.60	5240.00	230.21	531.70	230.70	334.60	0.0	0.0	8,85
1.1	4995.00	2120.00	0.0	0.0	219.60	2820.00	50104.72	*******	50104.72	51.18	270.00	321.18	0.00
		2600.00	0.0	• •	228.30	000 00	334 74	260 75	330 77	373.20	0.0		2.29
	7595.00			0.0		900.00	234.74	260.75	234.77			0.0	2.65
		2600.00	0.0	0.0	228.30	1800.00	236.02			385.30	0.0	0.0	2.83
	7595.00	2600.00	0.0	0.0	228.30	2370.00	236.65	1260.30		388.36	0.0	0.0	
	7595.00	2600.00	0.0	0.0	228.30	4550.00			238.50	417.99	0.0	0.0	3.49
	7595.00	2600.00	0.0	0.0	228.30	2370.00	50104.72	*******	50104.72	149.27	189.10	338.37	0.00
1	SECTION	DISCHARGE	CWSEL		CWSEL DIF	F CWSEL	DIFF CWS	EL-WSELK	TOPWID	T.W. DI	FF LEN	GTH	
+ 1	NUMBER	CFS			EACH Q	EACH SE							
	1200.00	0 1080.000	214	.959	0.0	0.0		0.0	246.520	0.0	120	0.000	
	1200.00			.279	1.319	0.0		0.0	287.032	-40.51		0.000	
	1200.00			.923	0.645	0.0		0.0	305.616	-59.09		0.000	
	1200.00			.726	1.803	0.0		0.0	351,491	-104.97		0.000	
	1200.00				49885.770	0.0		0.0	105,665	140.85		0.000	
	2750.00			.413	0.0	Restance and Addition of Contractor Addition	154	0.0	203.991	0.0		0.000	
	2750,00	0 2150.000	220	.840	1.428	4.	562	0.0	271.517	-67.52	6 155	0.000	

W.S. profiles

stream

T1	TRIB. 7 BASIN 6 NEUSE RIVER TRIB.	
12	FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855	
13	100 YEAR FLOODWAY	

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	6.	0,	Ο.	0.0	0.0	0.0	Ο.	0.0	0.0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15,000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= U.100 CEHV= 0.300 2800 NAI Q1= 197.17 WSEL= 214.96 ENC Q1= 197.17 WSEL= 215.96 RATIO= 0.0 NAT Q1= 337. RATIOS LOB.CH.ROB= 0.4814 0.2039 0.3147 WSEL= 215.96 2096 WSEL NOT GIVEN.AVG OF MAX.MIN USED 3280 CROSS SECTION 1200.00 EXTENDED 49877.50 FEET

SECNO	DEPTH	CWSEL QCH	CRIWS QROB	WSELK	EG ACH	HV AROB	HL VOL		BANK ELEV
TIME	VLOB XLOBL	VCH XLCH	VROB XLOBR	XNL	XNCH IDC	XNR	WTN	ELMIN TOPWID	SSTA

3470 ENCR	DACHMENT S	STATIONS=	328.	2 433.	8 TYPE=	4 TAR	GET=	0.415		
1200.00	49895.50	50104.50	0.0	214.96	50104.50	0.00	0.0	0.0	212.90	
2820.	1847.	489.	484.	3584452.	748420.	938947.	0.	0.	211.90	
0.0	0.00	0.00	0.00	0.085	0.060	0.085	0.0	209.00	328.16	
0.00000	1200.	1200.	1200.	U	0	1	0.0	105.66	435.82	

2800 NAT Q1= 204,33 WSEL= 219,41 ENC Q1= 204.33 WSEL= 220.41 RATIO= 0.0 NAT Q1= 331, RATIUS LOB,CH,ROB= 0.1097 0.4377 0.4527 WSEL= 220.41 3685 20 TRIALS USED WSEL,CWSEL 3280 CROSS SECTION 2750.00 EXTENDED 49874.90 FEET

5470 ENCK	DACHMENT :	STATIONS=	169.0	243	.8 TYPE=	4 TA	RGET=	0.384	
2750.00	49890.60	50104.50	0.0	219.41	50104.50	0.00	0.00	0.00	215,50
2820.	0.	1406.	1414.	13.	1546587.	2186172.	160206.	3.	215.60
553.70	0.00	0.00	0.00	0.085	0.060	0.085	0.060	213.90	169.00
U.00000U	1550.	1550.	1550.	21	0	1	0.0	74.82	243.82

2800 NAT Q1= 108,31 WSEL= 219,37 ENC Q1= 152.76 WSEL= 220.37 RATIO= -0.4103 NAT Q1= 153. RATIOS LOB,CH,ROB= 0.0 1.0000 0.0 WSEL= 220.37 3685 20 TRIALS USED WSEL,CWSEL

\*\*\*\*\*\*\*\*\* HEC2 VERSION UPDATED JAN 1975 ERKOR CONRECTIONS 01.02.03.04.05.06.07.08 MOUIFICATIONS 52+53+54+55+56+57+58 \*\*\*\*\*\*\*

T2 F	RIB. 7 BAS LOODPLAIN S 00 YEAR FL	STUDY AT		TY M-G JO	B NU.685	5				
J1 ICHEC	K INQ	NINV	. 101	R ST	RT	METRIC	HVINS	Q	WSEL	FQ
-10.	5,	0.		0. 0.003	000	0.0	0.0	υ.	219.000	0.0
J2 NPROF	IPLOT	PREV	S XSE	cv xs	ЕСН	FN	ALLDC	IBW	CHNIM	ITRACE
4.0	00 0.0	-1.0	0 0 0	• 0	0.0	0.0	0.0	0.0	0.0	0.0
CCHV= U SECNO G TIME SLOPE	<ul> <li>100 CEHV= DEPTH QLOB VLOB XLOBL</li> </ul>	0.300 CWSEL QCH VCH XLCH	CRIWS GROB VROB XLOBR	WSELK ALOB XNL ITRIAL	EG ACH XNCH IDC	HV AROB XNR ICONT	HL VOL WTN Corar	OLOSS TWA L Elmin Topwid	BANK LLEV EFT/RIGHT SSTA ENDST	
1200.00 5240. 0.0 0.02988	9.73 2882. 2.83 1200.	218.73 698. 5.21 1200.	0.0 1661, 3.04 1200,	219.00 1019. 0.085 0	218.90 134. 0.060 0	0.17 547. 0.085 4	0.0	0.0 0. 209.00 351.49	212,90 211,90 175,77 527,26	
2750.00 5240. 0.12 0.003022	9.44 646. 2.79 1550.	223,34 1563. 5,75 1550.	0.0 3031. 2.79 1550,	0.0 231. 0.085 1	223.57 272. 0.060 0	1086.	59. 0.060	0.02 12. 213.90 348.78	215,50 215,60 114,42 463,20	

3685 20 TRIALS USED WSEL, CWSEL

7185 MIN SPECIFIC ENERGY

5720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH QLOB	CWSEL QCH	CRIWS GROB	WSELK ALOB	EG ACH	HV AROB	HL VOL	OLOSS TWA L	BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENUST
2800.00	10.72	224.32	224.32	0.0	226.05	1.74	0.29	0.0	224.40
5240.	0.	4627.	613.	0.	412.	235.	60.	13.	223.00
0.12	0.0	11,22	2.61	0.085	0.060	0.085	0.060	213.60	150.00
0.015550	50.	50,	50.	30	11	1	0.0	239.76	389.76

				ROFILE						
I ICHECK	INQ	NINV	IDI	R ST	RT	METRIC	HVINS	Q	WSEL	FQ
-10.	4.	0.	(	0.003	000	0.0	0.0	υ.	216.000	0.0
NPROF	IPLOT	PREVS	XSEC	v xs	ЕСН	FN	ALLDC	IBW	CHNIM	ITRACE
3,00	0 0.0	-1.0	00 0.	, 0	0.0	0.0	0.0	0.0	0.0	0.0
CHV= U.	100 CEHV=	0.300								
SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	нν	HL	OLOSS	BANK ELEV	
Q	GLOB	QCH	QROB	ALOB	ACH	AROB	VOL		LEFT/RIGHT	
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA	
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENUST	
1200.00	7,92	216.92	0.0	216.00	217.05	0.13	5 0.0	0.0	212.90	
2820.	1437.	483.	900.	640.	107.	Manager and the second state of the second states		0.	211.90	
0.0	2.24	4.52	2.50	0.085	0.060		Contract March 1999 (1999) and 1999	209.00		
0.003035	1200.	1200.	1200.	0	0	4	0.0	305.62	511,38	
2750.00	7.61	221.51	0.0	0.0	221.69	0.18	4.63	0.02	215.50	
2820.	329.	1045.	1446.	142.	216.	648.	. 38.	11.	215.60	
0.13	2.32	4.85	2.23	0.085	0.060	0.085		213.90		
0.002934	1550.	1550.	1550.	2	0	1	L 0.0	292.21	417.70	

3301 HV CHANGED MORE THAN HVINS

OVERBANK ARE	A ASSUME	ED NON-EFF	ECTIVE,EL	LEA=	222.90 E	LREA=	221.60		
2800.00	6.76	220.36	0.0	0.0	222.68	2.32	0.35	0.64	224.40
2820.	0.	2820.	0.	0.	231.	0.	38.	11.	223.00
0.14	0.0	12.22	0.0	0.085	0,060	0.085	0.060	213,60	150.00
0.034256	50.	50.	50.	4	0	1	0.0	46.00	196.00

SPECIAL BRIDGE

507	0.VARIABLE	ELCHU OR	ELCHD ON	CARD SB NOT	SPECIFIED						
SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD	
	0.90	1.50	2.60	0.0	46.00	2.00	317.50	0.0	213.60	213.60	

- 11 TRIB. 7 BASIN 6 NEUSE RIVER TRIB. 12 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
- 13 50 YEAR FLOOD WATER SURFACE PROFILE

JI	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	3.	0.	ο.	0.003000	0.0	0.0	υ.	215.000	0.0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= U.	100 CEHV=	0.300							
SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLUSS	BANK ELEV
Q	GLOB	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
1200.00	7.28	216.28	0.0	215.00	216.39	0.11	0.0	0.0	212.90
2150.	1058.	411.	681.	520.	97.	299.	0.	0.	211.90
0.0	2.04	4.24	2.28	0.085	0.060	0.085	0.0	209.00	219.20
0.003024	1200.	1200.	1200.	0	0	4	0.0	287.03	506,23
2750.00	6.94	220.84	0.0	0.0	221.01	0.17	4.60	0.02	215.50
2150.	243.	881.	1025.	114.	195.	508.	31.	10.	215.60
0.14	2.13	4.52	2.02	0.085	0.060	0.085	0.060	213.90	129.54
0.002916	1550.	1550.	1550.	2	0	1	0.0	271.52	401.06

3301 HV CHANGED MORE THAN HVINS

OVERBANK AREA	A ASSUMI	ED NON-EFF	ECTIVE, EL	LEA=	222.90 E	LREA=	221.60		
2800.00 2150.	6.70	220.30	0.0	0.0	221.68	1.38	0.31	0.36	224.40
0.14	0.0	9.44	0.0	0.085	0.060	0.085	0.060	213.60	150.00
0.020740	50.	50.	50.	3	0	1	0.0	46.00	196.00

# SPECIAL BRIDGE

SUTO VARIABLE	E ELCHU OF	R ELCHD ON	CARD SB NOT	SPECIFIE	ED				
SB XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
0.90	1.50	2.60	0.0	46.00	2.00	317.50	0.0	213.60	213.60

10 YEAR FLOOD WATER SURF

	ANNEL MIN EL NGTH ROADWA			DISCHARGE (CFS)	CWSEL	τe	EG	TOPWID	STENCL	STENCR	VCH
1200.00	1200.00	0.0	.0 209.0	0 1080.00	214,96	197.17	215,04	246.52	0.0	0.0	3.62
2750.00	1550.00	0.0	.0 213.9	0 1080.00	219.41	204.33	219.54	203,99	0.0	0.0	3,73
2800.00	50.00	0.0	.0 213.6	0 1080.00	219.37	108.31	219,90	46.00	0.0	0.0	5.83
2825.00	25.00	222.70 22	2.90 213.6	0 1080.00	219.42	110.39	219.94	46.00	0.0	0.0	5,76
2875.00	50.00	0.0	.0 214.3	0 1080.00	220.07	233.85	220,18	216.40	0.0	0.0	3.37
4995.00	2120.00	0.0	.0 219.6	0 1080.00	227,55	125,58	227,91	251,53	0.0	0.0	6,05
7595.00	2600.00	0.0	.0 228.3	0 900.00	234.74	260.75	234,77	\$73.20	0.0	0.0	2,29
SECTION	DISCHARGE	CWSEL	CWSEL DI EACH Q	FF CWSEL DI EACH SEC		L-WSELK	TOPWID	T.W. D.	FF LEN	бтн	
1200,000	1080.000	214.95	0.0	0.0		0.0	246.520	0.0	1200	0.000	
2750,000	1080.000	219.41	s 0.U	4.45	54	0.0	203,991	0.0	155	0.000	
2800,000	1080.000	219.37	0.0	-0.03	59	0.0	46,000	0.0	51	0.000	
2825,000	1080.000	219.42	0.0	0.05	50	0.0	46.000	0.0	2!	5.000	
2875.000	1080.000	220.07	0.0	0,64	19	0.0	216,400	0.0	5	0.000	
4995,000	1080.000	227.55	0.0	7.47	77	0.0	251,531	0.0	212	0.000	
7595.000	900.000	234.74	0.0	7.19	<del>)</del> 4	0.0	573,198	0.0	260	0.000	

S. Sta

UATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	. 0.0	0.0	38.367	0.0

12914.000	1200.000	436.464	2.037	84.692	0.0	63,586	-33.971	3864,000	
12914.000	1630.000	437.282	0.818	85.270	0.0	94.014	-64.399	3864.000	
12914.000	3100.000	439.002	1.720	86.259	0.0	156,951	-127.336	3864.000	
12964.000	570.000	437.440	0.0	3.013	0.0	85.328	0.0	50.000	
12964.000	1200.000	437.783	0.343	1.319	0.0	95.751	-10.423	50.000	
12964.000	1630.000	438.658	0.876	1.376	0.0	121.646	-36.318	50.000	
12964.000	3100.000	440.579	1.920	1.576	0.0	178,745	-93.417	50.000	1000
13000.000	570.000	438.649	0.0	1.208	0.0	121,197	0.0	36.000	
13000.000	1200.000	439.338	0.689	1.555	. 0.0	141.664	-20.467	36.000	
13000.000	1630.000	439.739	0.402	1.081	0.0	153,629	-32.433	36.000	
13000.000	3100.000	440.891	1.152	0.312	0.0	188,190	-66.993	36.000	
13050.000	570.000	438.709	0.0	0.061	0.0	131.635	0.0	50.000	
13050.000	1200.000	439.486	0.777	0.149	0.0	159.979	-28.343	50.000	
13050.000	1630.000	439.940	0.454	0.201	0.0	177.250	-45.614	50.000	
13050.000	3100.000	441.218	1.278	0.327	0.0	230.391	-98.755	50,000	
13250.000	570.000	447.657	0.0	8,948	0.0	214.021	0.0	200.000	
13250.000	1200.000	447.966	0.309	8.479	0.0	404.604	-190.583	200.000	
13250.000	1630.000	448.131	0.165	8.191	0.0	409.049	-195.028	200.000	
13250.000	3100,000	448.574	0.443	7.356	0.0	420.972	-206.951	200.000	
13300.000	570.000	447.904	0.0	0.248	0.0	403.056	0.0	50.000	
13300.000	1200.000	448.346	0.442	0.381	0.0	414.927	-11.871	50.000	
13300.000	1630.000	448.593	0.247	0.462	0.0	421.587	-18.531	50.000	
13300.000	3100.000	449.261	0.668	0.687	0.0	439,579	-36.523	50.000	
14050.000	570.000	449.898	0.0	1.994	0.0	143.000	0.0	750.000	
14050.000	1200.000	451.167	1.268	2.820	0.0	260.375	-117.374	750.000	
14050.000	1630.000	451.734	0.567	3.141	0.0	283.678	-140.678	750.000	
14050,000	3100.000	453.084	1.350	3.823	0.0	321.396	-178.396	750.000	
DATA FOR LAST	CROSS SECTIO	ON							
		CARL INCOMENTS AND							

PROFILE	TYPE	ENC	TARGET	TOP	WIDTH	TOP WIDTH	
				AREA.	ACRES	AREA-DIFF	
1		0.0	0.0		49.291	0.0	
2		0.0	0.0		57.096	7.80	
3		0.0	0.0		60.778	11.48	
4		0.0	0.0		68.164	18.87	

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				* * *		-			Carl and the second			
				5	~ *	•						
	CHANNEL MIN E		EL OF		ISCHARGE	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
NUMBER	LENGTH ROADW		CHORD	GROUND 428.80	(CFS) 570.00	438.71	177.36	438.79	131.64	0.0	0.0	2.59
13050.0		0.0	0.0	428.80	1200.00	439.49	235.51	439.69	159.98	0.0	0.0	4.41
13050.0		0.0	0.0	428.80	1630.00	439.94	277.55	440.22	177.25	0.0	0.0	5.27
1 13050 0				428.80	3100.00	441.22	437.24	441.65	230.39	0.0		7.01
13050.00	50.00	0.0	0.0	420.00	5100.00	441.66	431.24	441.05	230.37	0.0	0.0	1.01
13250.04	200.00	0.0	0.0	445.10	570.00	447.66	25.33	447.89	214.02	0.0	0.0	7.22
13250.0		0.0	0.0	445.10	1200.00	447.97	43.71	448.33	404.60	0.0	0.0	9.63
13250.01		0.0	0.0	445.10	1630.00	448.13	58.26	448.55	409.05	0.0	0.0	10.25
13250.01		0.0	0.0	445.10	3100.00	448.57	109.41	449.17	420.97	0.0	0.0	11,52
1.			•							Sec. Sec.		
13300.0			446.60		570.00	447.90	39.30	448.00	403.06	0.0	0.0	5.01
13300.0			446.60		1200.00	448.35	81.39	448.48	414.93	0.0	0.0	5.70
13300.0		446.30	446.60		1630.00	448.59	112.49	448.75	421.59	0.0	0.0	5.92
13300.0	50.00	446.30	446.60	445.10	3100.00	449.26	220.11	449,50	439,58	0,0	0.0	6,55
14050,00	750.00	0.0	0.0	442.90	570.00	449.90	184.87	449.95	143.00	0.0	0.0	2.14
14050.00		0.0	0.0	442.90	1200.00	451.17	313.03	451.26	260.37	0.0	0.0	3,11
14050.0		0.0	0.0	442.90	1630.00	451.73	394.94	451.85	283.68	0.0	0.0	3,56
19050.00		0.0	0.0	442.90	3100.00	453.08	655.79	453.26	\$21.40	0.0	0.0	4.61
·N												
SECTIO		E CWSEL		CWSEL DIFF			EL-WSELK	TOPWID	T.W. D.	IFF LEN	GTH	
NUMBER	CFS			EACH Q	EACH SE	CTION						
800.				0.0	0.0		0.0	67,927	0.0		0.000	
800.				1.392	0.0		0.0	92.036	-24.1		0.000	
800.				0.694	0.0		0.0	99.305	-31.3		0.000	
800.	3100.00	0 266.	797	1.739	0.0		0.0	117.515	-49.5	80 80	0.000	
4000.	570.00	0 299.	318	0.0	36.3	46	0.0	93.100	0.0	320	0.000	
4000.				1.148	36.1		0.0.	113.094	-19.9		0.000	
4000.				0.575	35.9		0.0	123.019	-29.9		0.000	
4000.				1.525	35.7		0.0	146,235	-53.1		0.000	
5900.				0.0	26.3		0.0	203,550	0.0		0.000	Sec. Sec. 18
5900.				0.687	25.8		0.0	232,719	-29.1		0.000	
5900.				0.372	25.6		0.0	244.072	-40.5		0.000	
5900.	3100.00	0 327.	698	0.960	25.1	31	0.0	253.442	-49.8	92 190	0.000	
5950.	570.00	0 326.	270	0.0	0.5	92	0.0	228,659	0.0	5	0.000	
5950.		Children and the state of the second state of		0.744	0.6		0.0	246.773	-18.1		0.000	
5950.				0.388	0.6		0.0	250.552	-21.8		0.000	
5950.				1.019	0.7		0.0	260.480	-31.8		0.000	
6000.				0.0	14.2		0.0	370.876	0.0		0.000	
6000.	1200.00	0 341.	243	0.731	14.2		0.0	373.272	-2.3		0.000	
6000.	1630.00			0.339	14.1		0.0	374.384	-3.5		0.000	
6000.	3100.00	0 342.	444	0.862	14.0	24	0.0	377.216	-6.3	40 5	0.000	
			F1.	0.0			0.0	370 548	0.0	-	0.000	
6050.				0.0	0.0		0.0	370.548	-2.3		0.000	
6050.				0.732	0.0		0.0	372.943 374.052	-2.5		0.000	
6050.				0.339	0.0		0.0	376.876	-6.3		0.000	
8030.	3100.00	542.	415	0.003	0.0		0.0	5,0,0,0				
9050.	570.00	0 351.	269	0.0	10.7	58	0.0	198.895	0.0		0.000	
9050.				0.502	10.5		0.0	220.275	-21.3		0.000	
9050.				0.241	10.4	30	0.0	230.519	-31.6		0.000	
9050.				0.731	10.2		0.0	248,795	-49.9	01 300	0.000	
and the second				1				00 (15		7.04		
12914	000 570.00	0 434	427	0.0	83.1	30	0.0	29.615	0.0	386	4.000	ALTER ALTER DESIGNED ALL

500 YEAR FLOOD WATER SUR

		CHANNEL MIN LENGTH ROAD		EL OF	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	τQ	EG	TOPWID	STENCL	STENCR	VCH
	000 00	800.00	0.0	0.0	257.00	570.00	262.97	51.95	263.50	67.93	0.0	0.0	5.91
0	800.00	800.00	0.0	0.0	257.00		264.36	108.53	265.07	92.04	0.0	0.0	7.41
H	800.00				257.00		265.06	148.74	265.83	99.31	0.0	0.0	8.02
	800.00	800.00	0.0	0.0	257.00		266.80	282.62	267.77	117.52	0.0	0.0	9.59
	4500.00	800.00	0.0	0.0									
	4000.00	3200.00	0.0	0.0	293.50		299.32	55.38	299.62	93.10	0.0	0.0	4.46
B	4000.00	3200.00	0.0	0.0	293.50		300.47	118.30	300.92	113.09	0.0	0.0	5.69
D	4000.00	3200.00	0.0	0.0	293.50	1630.00	301.04	159.78	301.58	123.02	0.0	0.0	6.32
	4000.00		0.0	0.0	293.50	3100.00	302.57	305.94	303.30	146.24	0.0	0.0	7.74
	64-00.00	1900.00	0.0	0.0	320.60	570.00	325.68	41.61	325.88	203.55	0.0	0.0	7.43
1	5900.00	1900.00	0.0	0.0	320.60		326.37	88.21	326.60	232.72	0.0	0.0	8.09
( .				0.0	320.60	The second s	326.74	122,20	327.00	244.07	0.0	0.0	8.31
~	5980.00	1900.00	0.0		320.60		327.70	237.65	328.06	253.44	0.0	0.0	9.02
	5900.00	1900.00	0.0	0.0	520.00	5100.00	521.10	201.00	020.00				
	5950.00	50.00	0.0	0.0	320.60	570.00	326.27	80.55	326.33	228.66	0.0	0.0	4.16
	5950.00	50.00	0.0	0.0	320.60	1200.00	327.01	151.83	327.12	246.77	0.0	0.0	5.08
	5950.00	50.00	0.0	0.0	320.60	1630.00	327.40	198.31	327.53	250.55	0.0	0.0	5,51
	5950.00	50.00	0.0	0.0	320.60	3100.00	328.42	346.76	328.64	260.48	0.0	0.0	6,63
	6000.00	50.00	336.30	322.70	320.60	570.00	340.51	4718.11	340.51	370.88	0.0	0.0	0.17
	6000.00	50.00	336.30	322.70	320.60		341.24	5145.52	341.24	373.27	0.0	0.0	0.34
	6000.00	50.00	336.30	322.70	320.60		341.58	5349.24	341.58	374.38	0.0	0.0	0.45
	6000.00	50.00	336.30	322.70	320.60		342.44	5883.92	342.45	377.22	0.0	0.0	0.80
	655000	)								770 E5	0.0	0.0	0.17
D	6050.00	50.00	0.0	0.0	320.70		340.51	4660.93	340.51	370.55			0.34
11	6050.00	50.00	0.0	0.0	320.70		341.24	5085.84	341.24	372.94	0.0	0.0	
F	6850.00	50.00	0.0	0.0	320.70		341.58	5288.10	341.58	374.05	0.0	0.0	0.45
	6050.00 928000	50.00	0.0	0.0	320.70	3100.00		5818.65	342.45	376.88	0.0	0.0	0.80
	- 9050.00	3000.00	0.0	0.0	346.20	570.00	351.27	101 45.10 501 77.80 1001 97.28	351.67	198.89	0.0	0.0	6.11
I.	9050.00	3000.00	0.0	0.0	346.20		351.77	501 77.80	352.37	220.28	0.0	0.0	8,28
T I	9050.00	3000.00	0.0	0.0		1630.00	352.01	1001 197.28	352.74	230.52	0.0	0.0	9.40
	9050.00	3000.00	0.0	0.0		3100.00	352.74	173.10	353.68	248.80	0.0	0.0	11.34
	13730.00				una Tr		430 117	32.45	435.31	29.61	0.0	0.0	7.53
F	12914.00		0.0	0.0	428.41		434.43		CONTRACTOR STREET, STRE	63.59	0.0	0.0	7.94
AT.	12914.00	3864.00	0.0	0.0	428.40		436.46	84.06	437.44			0.0	8,49
	12914.00		0.0	0.0	428.4		437.28	121.86	438.35	94.01	0.0		10.08
	12914.00	3864.00	0.0	0.0	428.41	3100.00	439.00	241.22	440.32	156.95	0.0	0.0	10.00
	12964.00	50.00	0.0	0.0	429.5	TARTS CONTRACTOR STORES	437.44	76.74	437.64	85.33	0.0	0.0	5.17
	12964.00	50.00	0.0	0.0	429.5	0 1200.00	437.78	90.73	438.41	95.75	0.0	0.0	9.50
	12964.00	50.00	0.0	0.0	429.5	0 1630.00	438.66	134.76	439.21	121.65	0.0	0.0	9,33
	12964.00	50.00	0.0	0.0	429.5	0 3100.00	440.58	287.09	441.09	178.75	0.0	0.0	9,53
	13000.00	36.00	437.30	433.50	429.5	0 570.00	438.65	133.87	438.72	121.20	0.0	0.0	3.28
	13000.00	36.00	437.30	433.50	429.5	0 1200.00	439.34	178.89	439.52	141.66	0.0	0.0	5.44
	13000.00	36.00	437.30	433.50	429.5		439.74	209.88	439.99	153.63	0.0	0.0	6.48
	13000.00	36.00	437.30	433.50	429.5		440.89	321.66	441.31	188.19	0.0	0.0	8,67
		00.00											

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