
 HEC2 VERSION UPDATED JAN 1975
 ERROR CORRECTIONS 01,02,03,04,05,06,07,08
 MODIFICATIONS 52,53,54,55,56,57,58

T1 TRIB. 2 (CARY) BASIN 20
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 50 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	3.	0.	0.	0.006000	0.0	0.0	0.	356.000	0.0

J2	NPROF	IPLDT	PREVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIM	ITRACE
	2.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300

3265 DIVIDED FLOW

SECNO	DEPTH	WSEL	CRIWS	WSELK	FG	HV	HL	QLOSS	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	XLOHR	ITRIAL	IOC	ICONT	CORAR	TOPWTD	ENDST
3400.00	6.51	357.21	0.0	356.00	357.46	0.24	0.0	0.0	354.50
675.	37.	359.	279.	21.	70.	136.	0.	0.	354.30
0.0	1.79	5.09	2.06	0.085	0.060	0.085	0.0	350.70	58.35
0.005989	3400.	3400.	3400.	0	0	5	0.0	113.63	257.15

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T1 TRIB. 2 (CARY) BASIN 20
 T2 FLOODPLAIN STUDY AT WAKE COUNTY M-G JOB NO.6855
 T3 100 YEAR FLOOD WATER SURFACE PROFILE

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	4.	0.	0.	0.006000	0.0	0.0	0.	357.000	0.0

J2	NPROF	IPLOT	PREVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3.000	0.0	-1.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CCHV= 0.100 CEHV= 0.300

3265 DIVIDED FLOW

SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	QLOSS	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	
3400.00	7.12	357.82	0.0	357.00	358.07	0.26	0.0	0.0	354.50	
930.	68.	427.	435.	35.	78.	189.	0.	0.	354.30	
0.0	1.95	5.46	2.30	0.085	0.060	0.085	0.0	350.70	55.96	
0.005982	3400.	3400.	3400.	0	0	5	0.0	137.23	271.06	

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

500 YEAR FLOOD WATER SUR

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL OF GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
3400.00	3400.00	0.0	0.0	350.70	350.00	356.12	45.08	356.35	78.30	0.0	0.0	4.40
3400.00	3400.00	0.0	0.0	350.70	675.00	357.21	87.22	357.46	113.63	0.0	0.0	5.09
3400.00	3400.00	0.0	0.0	350.70	930.00	357.81	120.25	358.07	137.23	0.0	0.0	5.46
3400.00	3400.00	0.0	0.0	350.70	1900.00	359.29	244.22	359.60	166.72	0.0	0.0	6.36

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSE/K	TOPWID	T.W. DIFF	LENGTH
3400.000	350.000	356.124	0.0	0.0	0.0	78.295	0.0	3400.000
3400.000	675.000	357.214	1.090	0.0	0.0	113.630	-35.335	3400.000
3400.000	930.000	357.815	0.601	0.0	0.0	137.233	-50.937	3400.000
3400.000	1900.000	359.295	1.480	0.0	0.0	166.722	-88.427	3400.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

100 YEAR FLOOD WATER SUR

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	VCH
3400.00	3400.00	0.0	0.0	350.70	930.00	357.81	120.25	358.07	137.23	0.0	0.0	5.46

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q.	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
3400.000	930.000	357.815	0.0	0.0	0.0	137.233	0.0	3400.000

DATA FOR LAST CROSS SECTION

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

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 T3 100 YEAR FLOODWAY

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	6.	0.	0.	0.0	0.0	0.0	0.	358.810	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=	0.100	CEHV=	0.300	SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT	ELMIN	SSTA	ENUST	
TIME	VLOB	VCH	VROB	XLN	XLNCH	XNR	WTN	ELMIN	SSTA	TOPWID	ENUST		
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICOHT	CORAR	TOPWID	ENUST				

3470 ENCROACHMENT STATIONS=	150.0	200.0	TYPE=	1	TARGET=	50.000			
3400.00	8.11	358.81	0.0	358.81	359.12	0.31	0.0	0.0	354.50
930.	101.	492.	338.	39.	91.	107.	0.	0.	354.30
0.0	2.61	5.39	3.17	0.085	0.060	0.085	0.0	350.70	150.00
0.004761	3400.	3400.	3400.	0	0	1	0.0	50.00	200.00

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

100 YEAR FLOODWAY

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TO	EG	TOPWID	STENCL	STENCR	VCH
3400 3000	3400.00	0.0	0.0	348.8	930.00	357.81	120.25	358.07	137.23	23 0.0	175 0.0	5.46
3400	3400.00	0.0	0.0	350.70	930.00	358.81	134.78	359.12	50.00	150.00	200.00	5.39

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
3400.000	930.000	357.815	0.0	0.0	0.0	137.233	0.0	3400.000
3400.000	930.000	358.810	0.995	0.0	0.0	49.999	87.234	3400.000

DATA FOR LAST CROSS SECTION PROFILE

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.0	0.0	0.0	0.0
2	1.000	50.000	0.0	0.0