

Campbell Creek

C-1

CAMPBELL CREEK

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 MEC2 RELEASE DATED NOV 76 UPDATED JULY 1979  
 ERROR CORR - 01,02,03  
 MODIFICATION - 50,51,52,53,54  
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T1	MAGGIE VALLEY MC										CAMPBELL 10-22-80 GNC	5
T2	10 YEAR FLOOD										JCL KEY = HCDQ152	10
T3	CAMPBELL CREEK										FLOOD PROFILES	15
J1	ICHECK	IMQ	NIMV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FR		
	0.	2.	0.	0.	0.01460	0.	0.0	0.	0.0	0.0	20	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECK	FK	ALLDC	IBW	CHNIK	ITRACE		
	0.	0.	-1.	0.	0.	0.0	0.0	0.	0.	0.	25	
J3	VARIABLE CODES FOR SUMMARY PRINTOUT											
	150.00	0.0	160.00	201.00	0.0	0.0	0.0	0.0	0.0	0.0	30	
MC	0.070	0.070	0.030	0.1	0.5						35	
QT	5.	1300.	2250.	2700.	3900.	2700.	0.	0.	0.	0.	40	
X1	0.02	13.	425.	446.	0.	0.	0.	0.0	0.0	0.	45	
GR	3015.0	385.	3005.9	385.	3005.8	397.	3004.1	421.	2997.8	425.	50	
GR	2997.0	425.	2996.3	429.	2996.3	440.	2997.0	446.	2997.8	446.	55	
GR	3004.1	455.	3004.4	470.	3015.0	470.	0.0	0.	0.0	0.	60	
MC	0.070	0.070	0.030	0.0	0.0						65	
X1	0.05	13.	74.	104.	125.	125.	125.	0.0	0.0	0.	70	
GR	3015.0	15.	3007.7	15.	3005.2	54.	3004.7	74.	3000.0	76.	75	
GR	2998.8	76.	2998.8	80.	2998.1	80.	2999.0	96.	3001.3	104.	80	
GR	3005.0	109.	3006.1	150.	3015.0	150.	0.0	0.	0.0	0.	85	
X1	0.05	0.	0.	0.	40.	40.	40.	0.0	0.0	0.	90	
SB	1.25	1.60	3.00	0.	22.00	0.01	128.00	0.0	2998.1	2998.1	95	
X1	0.05	0.	0.	0.	30.	30.	30.	0.0	0.0	0.	100	
X2	0.	0.0	1.	3003.8	3005.4	0.0	0.	0.0	0.0	0.	105	
BT	9.0	15.0	3015.0	0.0	15.0	3007.7	0.0	54.0	3006.2	0.0	110	
BT	75.0	3005.4	0.0	75.0	3008.4	0.0	104.0	3028.4	0.0	106.0	115	
BT	3005.4	0.0	150.0	3006.1	0.0	150.0	3015.0	0.0	0.0	0.0	120	
X1	0.05	0.	0.	0.	10.	10.	10.	0.0	0.0	0.	125	
MC	0.080	0.080	0.040	0.0	0.0						130	
X1	0.08	20.	214.	254.	80.	80.	80.	0.0	0.0	0.	135	

GR	3025.0	45.	3017.4	45.	3014.6	75.	3013.2	214.	3010.0	215.	140
GR	3004.8	215.	3005.3	219.	3005.0	226.	3005.4	232.	3005.8	244.	145
GR	3006.5	248.	3012.0	254.	3011.6	255.	3011.7	300.	3020.0	300.	150
GR	3020.0	350.	3011.8	350.	3012.0	410.	3012.6	436.	3020.0	436.	155



GAMPBELL CREEK

SUMMARY PRINTOUT TABLE 150

	SECNO	Q	CWSEL	DIFWSP	DIFWSX	DIFKWS	TOPWID	XLCH
*	0.020	1300.	3001.4	0.0	0.0	0.0	28.35	0.0
*	0.020	2250.	3003.4	2.1	0.0	0.0	32.62	0.0
*	0.020	2700.	3004.7	1.3	0.0	0.0	57.28	0.0
*	0.020	3900.	3007.0	2.3	0.0	0.0	85.00	0.0
*	0.050	1300.	3003.1	0.0	1.7	0.0	31.69	125.00
	0.050	2250.	3005.4	2.4	2.0	0.0	60.22	125.00
	0.050	2700.	3006.8	1.4	2.1	0.0	111.45	125.00
	0.050	3900.	3009.5	2.7	2.5	0.0	135.00	125.00
	0.050	1300.	3004.2	0.0	1.2	0.0	33.75	40.00
	0.050	2250.	3006.4	2.2	1.0	0.0	100.44	40.00
	0.050	2700.	3007.4	1.0	0.6	0.0	127.63	40.00
	0.050	3900.	3009.7	2.2	0.2	0.0	135.00	40.00
	0.050	1300.	3005.8	0.0	1.5	0.0	77.48	30.00
	0.050	2250.	3007.6	1.8	1.2	0.0	131.86	30.00
	0.050	2700.	3008.2	0.6	0.8	0.0	135.00	30.00
	0.050	3900.	3009.7	1.5	0.0	0.0	135.00	30.00
	0.050	1300.	3005.8	0.0	0.0	0.0	78.81	10.00
	0.050	2250.	3007.6	1.8	0.0	0.0	132.54	10.00
	0.050	2700.	3008.2	0.6	0.0	0.0	135.00	10.00
	0.050	3900.	3009.7	1.5	0.0	0.0	135.00	10.00
*	0.080	1300.	3009.0	0.0	3.3	0.0	35.78	80.00
*	0.080	2250.	3010.6	1.6	3.0	0.0	37.67	80.00
*	0.080	2700.	3011.2	0.5	2.9	0.0	38.44	80.00
*	0.080	3900.	3013.6	2.4	3.9	0.0	207.10	80.00
	0.080	1300.	3010.4	0.0	1.4	0.0	37.39	40.00
	0.080	2250.	3012.4	2.0	1.8	0.0	164.35	40.00
	0.080	2700.	3013.7	1.2	2.5	0.0	218.39	40.00
	0.080	3900.	3014.8	1.1	1.2	0.0	312.96	40.00
	0.080	1300.	3010.4	0.0	0.0	0.0	37.40	30.00
	0.080	2250.	3013.1	2.6	0.6	0.0	171.95	30.00
	0.080	2700.	3014.1	1.1	0.5	0.0	264.23	30.00
	0.080	3900.	3015.1	1.0	0.4	0.0	316.79	30.00
	0.080	1300.	3010.5	0.0	0.1	0.0	37.55	10.00
	0.080	2250.	3013.1	2.6	0.1	0.0	171.97	10.00
	0.080	2700.	3014.2	1.1	0.0	0.0	221.00	10.00
	0.080	3900.	3015.1	1.0	0.0	0.0	221.00	10.00
*	0.150	1270.	3014.0	0.0	3.5	0.0	34.52	300.00
*	0.150	2150.	3015.5	1.5	2.4	0.0	38.55	300.00
*	0.150	2600.	3016.2	0.7	2.1	0.0	40.33	300.00
*	0.150	3800.	3017.7	1.5	2.6	0.0	44.28	300.00

SUMMARY OF ERRORS

CAMPBELL CREEK

SUMMARY PRINTOUT TABLE 150

SECD	XLCH	ELTRD	ELLC	ELMIN	Q	CMSEL	CRWS	EG	LCK%	VCH	AREA	•DJK
* 0.020	0.	0.0	0.0	2996.3	1300.0	3001.36	3001.36	3003.68	82.80	12.34	115.99	142.87
* 0.020	0.	0.0	0.0	2996.3	2250.0	3003.43	3003.43	3006.66	73.53	14.72	179.08	262.27
* 0.020	0.	0.0	0.0	2996.3	2700.0	3004.69	3004.69	3007.85	58.89	14.70	230.21	351.85
* 0.020	0.	0.0	0.0	2996.3	3900.0	3006.56	3006.56	3013.11	45.36	15.28	400.61	575.26
* 0.050	125.	0.0	0.0	2998.1	1300.0	3003.06	3003.06	3005.04	101.45	11.31	116.72	129.07
* 0.050	125.	0.0	0.0	2998.1	2250.0	3005.42	3005.42	3007.62	64.73	12.00	202.82	279.72
* 0.050	125.	0.0	0.0	2998.1	2700.0	3006.80	3006.80	3008.61	42.71	11.15	326.77	413.20
* 0.050	125.	0.0	0.0	2998.1	3900.0	3009.49	3009.49	3010.69	22.39	9.90	679.87	824.20
* 0.050	40.	0.0	0.0	2998.1	1300.0	3004.22	3004.22	3005.38	44.21	8.67	154.63	195.52
* 0.050	40.	0.0	0.0	2998.1	2250.0	3006.38	3006.38	3007.89	37.73	10.08	281.88	366.45
* 0.050	40.	0.0	0.0	2998.1	2700.0	3007.42	3007.42	3008.79	30.30	9.90	401.18	490.48
* 0.050	40.	0.0	0.0	2998.1	3900.0	3009.45	3009.45	3010.78	21.32	9.65	702.00	854.82
* 0.050	30.	3005.4	3003.8	2998.1	1300.0	3005.76	3005.76	3006.40	17.79	6.52	226.34	308.20
* 0.050	30.	3005.4	3003.8	2998.1	2250.0	3007.58	3007.58	3008.46	19.23	8.00	422.27	512.42
* 0.050	30.	3005.4	3003.8	2998.1	2700.0	3008.19	3008.19	3009.16	23.25	8.56	505.15	603.05
* 0.050	30.	3005.4	3003.8	2998.1	3900.0	3009.66	3009.66	3010.79	23.74	9.63	703.12	856.39
* 0.050	10.	0.0	0.0	2998.1	1300.0	3005.78	3005.78	3006.42	17.53	6.49	228.37	310.48
* 0.050	10.	0.0	0.0	2998.1	2250.0	3007.61	3007.61	3008.48	17.71	7.96	425.69	516.00
* 0.050	10.	0.0	0.0	2998.1	2700.0	3008.22	3008.22	3009.18	19.93	8.52	507.96	606.29
* 0.050	10.	0.0	0.0	2998.1	3900.0	3009.68	3009.68	3010.81	22.59	9.61	705.32	859.46
* 0.080	80.	0.0	0.0	3004.8	1300.0	3009.05	3009.05	3010.78	184.17	10.57	122.95	94.77
* 0.080	80.	0.0	0.0	3004.8	2250.0	3010.61	3010.61	3013.03	179.13	12.49	180.10	168.58
* 0.080	80.	0.0	0.0	3004.8	2700.0	3011.15	3011.15	3013.96	185.58	13.44	200.91	198.25
* 0.080	80.	0.0	0.0	3004.8	3900.0	3013.55	3013.55	3015.30	87.35	11.39	521.49	417.27
* 0.080	40.	0.0	0.0	3004.8	1300.0	3010.41	3010.41	3011.29	67.38	7.53	172.70	150.37
* 0.080	40.	0.0	0.0	3004.8	2250.0	3012.42	3012.42	3013.55	51.31	8.66	322.56	286.45
* 0.080	40.	0.0	0.0	3004.8	2700.0	3013.67	3013.67	3014.45	33.32	7.67	545.63	433.36
* 0.080	40.	0.0	0.0	3004.8	3900.0	3014.78	3014.78	3015.62	33.86	8.42	849.98	625.60
* 0.080	30.	3011.8	3011.8	3004.8	1300.0	3010.41	3010.41	3011.29	57.24	7.52	172.83	158.54
* 0.080	30.	3011.8	3011.8	3004.8	2250.0	3013.05	3013.05	3013.83	43.53	7.42	429.44	353.21
* 0.080	30.	3011.8	3011.8	3004.8	2700.0	3014.13	3014.13	3014.73	28.52	6.85	657.09	504.67
* 0.080	30.	3011.8	3011.8	3004.8	3900.0	3015.14	3015.14	3015.81	33.73	7.69	962.31	702.97

SFCNO	XLCH	ELTRO	ELLC	ELMIN	Q	CHSEL	CRIMS	EG	LDKOS	VCH	AREA	.DIX
0.080	10.	0.0	0.0	3004.8	1300.0	3010.52	0.0	3011.36	62.73	7.35	176.93	164.18
0.080	10.	0.0	0.0	3004.8	2250.0	3013.12	0.0	3013.87	39.18	7.33	438.58	359.47
0.080	10.	0.0	0.0	3004.8	2700.0	3014.17	0.0	3014.76	23.33	6.80	654.73	510.00
0.080	10.	0.0	0.0	3004.8	3900.0	3015.15	0.0	3015.86	32.37	7.86	872.41	688.49
* 0.150	300.	0.0	0.0	3009.0	1270.0	3014.01	3014.01	3015.75	173.19	10.60	119.84	95.14
* 0.150	300.	0.0	0.0	3009.0	2150.0	3015.54	3015.54	3017.86	167.76	12.22	175.87	166.00
* 0.150	300.	0.0	0.0	3009.0	2600.0	3015.22	3015.22	3018.78	153.32	12.83	202.69	203.32
* 0.150	300.	0.0	0.0	3009.0	3600.0	3017.73	3017.73	3020.89	161.47	14.27	266.25	299.04

CAMPBELL CREEK

MAGGIE VALLEY NC

500 YEAR FLOOD

100 YEAR FLOOD

50 YEAR FLOOD

10 YEAR FLOOD

DF	C	ELEV	Q	ELEV	Q	ELEV	Q	ELEV
0.020	3900.	3007.0	2700.	3004.7	2250.	3003.4	1300.	3001.4
0.050	3900.	3009.5	2700.	3006.8	2250.	3005.4	1300.	3003.1
0.050	3900.	3009.7	2700.	3008.2	2250.	3007.6	1300.	3005.8
0.030	3900.	3012.6	2700.	3011.2	2250.	3010.6	1300.	3009.0
0.080	3900.	3015.1	2700.	3014.2	2250.	3013.1	1300.	3010.5
0.150	3800.	3017.7	2600.	3016.2	2150.	3015.5	1270.	3014.0

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HEC2 RELEASE CATED NCV 76 UPDATED JULY1979

ERROR CORR - 01,02,03

MODIFICATION -- 50,51,52,53,54

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T1 MAGGIE VALLEY NC CAMPBELL 10-22-80 GNC  
 T2 100 YEAR FLOOD JCL KEY = HCDQ152  
 T3 CAMPBELL CREEK 100 YEAR FLOODWAY

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	4.	0.	0.	0.0	0.	0.0	0.	3004.70	0.0

J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	0.	0.	-1.	0.	0.	0.0	0.0	0.	0.	0

J3 VARIABLE CCDES FCR SUMMARY PRINTOUT

	110.00	0.0	200.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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NC	0.070	0.070	0.030	0.1	0.5					
QT	5.	1300.	2250.	2700.	3900.	2700.	0.	0.	0.	
ET	0.	0.0	0.0	0.0	0.0	7.11	420.00	455.00	0.0	0.0

X1	0.02	13.	425.	446.	0.	0.	0.	0.0	0.0	0
GR	3015.0	385.	3005.9	385.	3005.8	397.	3004.1	421.	2997.8	425.
GR	2997.0	425.	2996.3	429.	2996.3	440.	2997.0	446.	2997.8	446.
GR	3004.1	455.	3004.4	470.	3015.0	470.	0.0	0.	0.0	0
NC	0.070	0.070	0.030	0.0	0.0					
ET	0.	0.0	0.0	0.0	0.0	7.11	55.00	140.00	0.0	0.0

X1	0.05	13.	74.	104.	125.	125.	125.	0.0	0.0	0
GR	3015.0	15.	3007.7	15.	3006.2	54.	3004.7	74.	3000.0	76.
GR	2998.8	76.	2998.8	80.	2998.1	80.	2999.0	96.	3001.3	104.
GR	3005.0	109.	3006.1	150.	3015.0	150.	0.0	0.	0.0	0
ET	0.	0.0	0.0	0.0	0.0	7.11	55.00	140.00	0.0	0.0

X1	0.05	0.	0.	0.	40.	40.	40.	0.0	0.0	0
SB	1.25	1.60	3.00	0.	22.00	0.01	128.00	0.0	2998.1	2998.
ET	0.	0.0	0.0	0.0	0.0	7.11	55.00	140.00	0.0	0.0

X1	0.05	0.	0.	0.	30.	30.	30.	0.0	0.0	0
X2	0.	0.0	1.	3003.8	3005.4	0.0	0.	0.0	0.0	0
BT	9.0	15.0	3015.0	0.0	15.0	3007.7	0.0	54.0	3006.2	0.
BT	75.0	3005.4	0.0	75.0	3008.4	0.0	106.0	3008.4	0.0	106.
BT	3005.4	0.0	150.0	3006.1	0.0	150.0	3015.0	0.0	0.0	0.
ET	0.	0.0	0.0	0.0	0.0	7.11	55.00	140.00	0.0	0.0

X1	0.05	0.	0.	0.	10.	10.	10.	0.0	0.0	0
NC	0.080	0.080	0.040	0.0	0.0					
ET	0.	0.0	0.0	0.0	0.0					





FLOODWAY DATA, CAMPBELL CREEK

FILE NO. 2

STATION	FLOODWAY		MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
	WIDTH (FT)	SECTION AREA		WITH FLOODWAY	WITHOUT FLOODWAY	
0.020	35.	257.	10.5	3005.7	3004.7	1.0
0.050	<del>85.</del> 100	340.	7.9	3007.1	3006.8	0.3
0.050	<del>85.</del> 100	371.	7.3	3007.5	3007.4	0.1
0.050	85. 100	496.	5.4	3008.9	3008.2	0.7
0.050	85. 100	498.	5.4	3009.0	3008.2	0.8
0.080	100.	202.	13.4	3011.2	3011.2	0.0
0.080	100.	364.	7.4	3013.7	3013.7	0.0
0.080	100.	552.	4.9	3015.2	3014.1	1.0
0.080	100.	554.	4.9	3015.2	3014.2	1.0
0.150	50.	203.	12.8	3016.2	3016.2	0.0

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 ERROR CORR - 01,02,03  
 MODIFICATION - 50,51,52,53,54  
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NOTE- ASTERISK (\*) AT LEFT OF CROSS-SECTION NUMBER  
 INDICATES MESSAGE IN SUMMARY OF ERRORS LIST/

CAMPBELL CREEK

SUMMARY PRINTOUT TABLE 110

SECNO	CWSEL	DIFKWS	EG	TOPWID	PERENC	STENCL	STENCR	STCHL	STCHR	QLOB	QCH	QROB
0.020	3004.70	0.0	3007.85	57.	0.	0.	0.	425.	445.	41.	2537.	122.
0.020	3005.70	1.00	3008.16	35.	35.	420.	455.	425.	445.	49.	2522.	129.
0.050	3006.80	0.0	3008.60	111.	0.	0.	0.	74.	104.	48.	2520.	132.
0.050	3007.11	0.31	3008.72	85.	85.	55.	140.	74.	104.	57.	2494.	149.
0.050	3007.42	0.0	3008.79	127.	0.	0.	0.	74.	104.	88.	2423.	189.
0.050	3007.47	0.05	3008.87	85.	85.	55.	140.	74.	104.	71.	2454.	175.
0.050	3008.19	0.0	3009.16	135.	0.	0.	0.	74.	104.	155.	2294.	252.
0.050	3008.54	0.76	3009.80	85.	85.	55.	140.	74.	104.	119.	2314.	267.
0.050	3008.22	0.0	3009.18	135.	0.	0.	0.	74.	104.	157.	2290.	253.
0.050	3008.57	0.75	3009.81	85.	85.	55.	140.	74.	104.	119.	2312.	269.
*	0.080	3011.16	0.0	3013.96	38.	0.	0.	214.	254.	0.	2700.	0.
*	0.080	3011.18	0.02	3013.96	38.	100.	200.	214.	254.	0.	2700.	0.
0.080	3013.66	0.0	3014.45	218.	0.	0.	0.	214.	254.	5.	2304.	391.
0.080	3013.22	-0.35	3014.49	98.	100.	200.	300.	214.	254.	0.	2554.	146.
0.080	3014.13	0.0	3014.72	264.	0.	0.	0.	214.	254.	26.	2185.	489.
0.080	3015.19	1.06	3015.77	100.	100.	200.	300.	214.	254.	33.	2353.	313.
0.080	3014.17	0.0	3014.75	221.	0.	0.	0.	214.	254.	27.	2177.	496.
0.080	3015.22	1.05	3015.79	100.	100.	200.	300.	214.	254.	34.	2351.	315.
*	0.150	3016.22	0.0	3018.78	40.	0.	0.	292.	337.	0.	2600.	0.
*	0.150	3016.22	-0.00	3018.78	40.	50.	290.	292.	337.	0.	2600.	0.

SUMMARY OF ERRORS

CAUTION SECNO= 0.080 PROFILE= 1 CRITICAL DEPTH ASSUMED  
 CAUTION SECNO= 0.080 PROFILE= 1  
 PROBABLE MINIMUM SPECIFIC ENERGY  
 CAUTION SECNO= 0.080 PROFILE= 1  
 20 TRIALS ATTEMPTED TO BALANCE WSEL  
 CAUTION SECNO= 0.080 PROFILE= 2 CRITICAL DEPTH ASSUMED  
 CAUTION SECNO= 0.080 PROFILE= 2