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*****
* HEC-2 WATER SURFACE PROFILES *
*                               *
* Version 4.6.0; February 1991 *
*                               *
* RUN DATE 29JUL93   TIME 15:50:09 *
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*****
* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET, SUITE D *
* DAVIS, CALIFORNIA 95616-4687 *
* (916) 756-1104 *
*****

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X   X  XXXXXXX  XXXXX          XXXXX
X   X  X        X   X          X   X
X   X  X        X           X   X
XXXXXXX XXXX  X           XXXXX  XXXXX
X   X  X        X           X
X   X  X        X   X          X
X   X  XXXXXXX  XXXXX          XXXXXXX

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29JUL93   15:50:09

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THIS RUN EXECUTED 29JUL93 15:50:09

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*****
HEC-2 WATER SURFACE PROFILES
Version 4.6.0; February 1991
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T1 FPM BR CRAVEN COUNTY -- LIMITED MAP MAINTENANCE STUDY
T2 MILLS BRANCH--LIMITED MAP MAINTENANCE STUDY----NATURAL BASE---
T3 10--YR, MILLS BR.-JULY-93-ADDED X-SEC DATA TO REFINE BASE-L.A. TYNDALL

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J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1	2			.0011				1	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1		-1							

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

	38	43	1	5	4	53	54	27	28
QT	6	847	1648	2121	3593	2121	2121		
NC	.15	.15	.05	.2	.4				
ET						8.11	9.61	316	730
	* OLD X-SEC (1.0) A - NOTE: ALL X-SEC ARE LEFT--RIGHT FACING UPSTR. * OLD X-SEC (1.0) NON-EFF REMOVED BASED ON OBSER. & TOPO MAPS * ALL OF THE FOLLOWING SECTIONS REPRESENT A HYDRAULIC SECTION-- NOT A * SURVEYED SECTION PER SE -- ALSO THESE SECTIONS REPRESENT A REACH AND * NOT A POINT SECTION--BEWARE TRYING TO PLOT AS A SURVEYED SECTION---								
X1	1	11	466	500	1	1	1		
GR	15.0	0	2.1	240	1.3	466	0.0	466	-4.0 483
GR	0.0	500	1.2	500	1.7	830	11.0	1000	11.0 1001
GR	11.5	1075							
ET						8.11	7.61	316	730
X1	500	11	466	500	500	500	500		
GR	15.0	0	2.1	240	1.3	466	0.0	466	-4.0 483
GR	0.0	500	1.2	500	1.7	830	11.0	1000	11.0 1001
GR	11.5	1075							
ET						8.11		366	730
X1	1000	11	466	500	500	500	500		
GR	15.0	0	2.1	240	1.3	466	0.0	466	-4.0 483
GR	0.0	500	1.2	500	1.7	830	11.0	1000	11.0 1001
GR	11.5	1075							

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ET						8.11		366	730
	* OLD X-SEC (1.0) A - NOTE: ALL X-SEC ARE LEFT--RIGHT FACING UPSTR. * ---- NOTE ---- ALL X-SEC ARE LEFT TO RIGHT FACING UPSTREAM ---- * ---- NOTE ---- ALL X-SEC ARE LEFT TO RIGHT FACING UPSTREAM ----								
X1	2050	11	466	500	1050	1050	1050		
GR	15.0	0	5.0	200	2.1	350	1.3	466	0.0 466
GR	-4.0	483	0.0	500	1.2	500	1.7	650	5.0 800
GR	11.0	1000							
QT	6	583	1158	1502	2590	1502	1502		
ET						8.11		390	600
X1	2450	11	466	500	400	400	400		
GR	15	100	5.0	320	2.0	400	1.8	466	0.5 466
GR	-3.5	483	0.5	500	1.7	500	1.7	600	5.0 700
GR	11.2	1100							

ET						8.11		420	550	
X1	3000	12	466	500	550	550	550			
GR	15	250	10.0	370	5.0	400	2.5	420	2.3	466
GR	1.0	466	-3.0	483	1.0	500	2.2	500	2.7	600
GR	5.0	700	11.0	1100						
NC	0	0	.06	.2	.4					
ET						8.11		370	490	
X1	4000	11	400	430	1000	1000	1000			
GR	15	270	10.0	320	5.0	350	3.5	400	-2.2	414
GR	1.0	425	2.5	430	2.5	460	5.0	570	10.0	700
GR	15.0	1100								
ET						8.11		370	490	
X1	4500	11	400	430	500	500	500			
GR	15	100	10.0	200	5.0	320	4.1	400	-1.7	414
GR	1.5	425	3.0	430	2.8	460	5.0	470	10.0	530
GR	15.0	800								
QT	6	583	1158	1502	2590	1502	1502			
ET						8.11		370	490	
X1	5000	11	400	430	500	500	500			
GR	15	0	10.0	270	5.0	370	4.6	400	-1.2	414
GR	2.0	425	3.4	430	3.1	460	5.0	470	10.0	570
GR	15.0	700								
ET						8.11		380	464	
X1	5393	13	400	430	393	393	393			
GR	12	0	11.2	200	10.4	300	4.9	400	-1.0	414
GR	2.2	425	3.6	430	3.3	460	12.0	520	12.0	545
GR	13.9	551	10.4	801	12.0	914.5				

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NC	.03	.03	.03	.2	.4			371	455	
ET						8.11				
X1	5443	14	415	455	50	50	50			
X3	10							8.3	8.3	
GR	12	0	11.2	200	10.4	300	5.1	415	2.8	425
GR	2.2	425	-0.1	436	2.2	447	2.6	447	3.1	455
GR	5.3	460	11.5	520	11.6	801	12	914.5		
SB	1.0	1.5	2.8	0	22.0	1.0	240	1.0	0.3	0.3
NC	.03	.03	.03	.01	.01					
ET						8.11		371	455	
X1	5468	0	0	0	25	25	25			

X2			1	2.3	10.5							
X3	10							10.5	10.5			
BT	8	0	12.9	0	200	11.7	0	415	10.5	0		
BT	415	10.5	8.3	455	10.5	8.3	455	10.5	0	545		
BT	11.5	0	801	11.6	0							
NC	.12	.12	.05	.2	.4							
ET						8.11		380	464			
	* OLD X-SEC (4.40) B -- NON EFFECTIVE FLOWS REMOVED ON NEXT SECTIONS											
X1	5543	11	400	430	75	75						
GR	12	0.0	11.2	200	10.4	300	4.9	400	-1.0	414		
GR	2.2	425	3.6	430	5.3	460	12.0	520	12.0	545		
GR	13.9	551										
NC	.10	.12	.04	.2	.4							
ET						8.11		230	540			
	-NEW VALLEY X-SEC FROM ANDERSON TOPO MAP PLUS SURVEY VALLEY SECTION											
	-NON EFFECTIVE FLOWS REMOVED BASED ON OBSERVATION & TOPO MAPS											
X1	8500	14	369	400	2957	2957						
GR	13	0	10	170	5.8	270	5.1	369	2	377		
GR	0.5	381	2.5	389	2	392	6.8	400	7	480		
GR	8	580	8	210	10	970	13	1150				
NC	.10	.10	.04	.2	.4							
ET						8.11		785	1180			
	* OLD X-SEC (4.0) C -NON-EFF. REMOVED BASED ON OBSER. & TOPO MAPS											
X1	10343	12	987	1013	1843	1843	1843					
GR	15	400	10	400	8.9	577	8.1	909	7.6	987		
GR	3.6	991	1.5	1000	3.6	1008	6.7	1013	7.4	1109		
GR	10	1350	15	1700								
NC	.15	.10	.05	.2	.4							
ET						8.11		785	1180			
	- SAME AS X-SEC 4.0 -- TRANSITION SECTION ONLY -----											
X1	10543	12	987	1013	200	200	200	1	0.1			
GR	15	400	10	400	8.9	577	8.1	909	7.6	987		
GR	3.6	991	1.5	1000	3.6	1008	6.7	1013	7.4	1109		
GR	10	1350	15	1700								
1												
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NC	.15	.10	.05	.2	.4							
ET						8.11		506	824			
	* OLD X-SEC (4.11) D -- NO CHANGE FROM ORIGINAL RUNS											
X1	12773	13	628	656	2230	2230	2230					
GR	15	150	13.0	200	9.9	412	9.5	610	9.5	628		

GR	4.6	631	3.8	640	4.5	650	10.0	656	11.5	850
GR	12.0	1000	15.0	1140	16.0	1200				
NC	.03	.03	.03	.2	.4					
ET						8.11		506	824	
X1	12823	16	640	656	50	50	50			
X3	10							10	10	
GR	15	150	13.0	300	9.9	412	9.5	610	9.5	628
GR	9.5	637	9.5	640	3.13	640	3.13	656	6.63	656
GR	10.0	656	10.0	659	11.5	850	12.0	1000	15.0	1140
GR	16.0	1200								
SB	1.0	1.76	3.0	0	14.0	3.0	66.0	0.28	3.8	3.8
NC	.03	.03	.03	.01	.01					
ET						8.11		506	824	
X1	12877	0	0	0	54	54	54			
X2			1	9.1	11.5					
X3	10							11.5	11.5	
BT	10	150	15.0	0	300	13.0	0	412	11.6	0
BT	640	11.6	0	640	11.6	9.1	656	11.6	9.1	656
BT	11.6	0	850	11.7	0	1000	13.0	0	1140	15.0
BT	0									
NC	.12	.12	.06	.2	.4					
ET						8.11		506	824	
X1	12927	13	628	656	50	50	50			
GR	15	150	13.0	300	9.9	412	9.5	610	9.5	628
GR	4.6	631	3.8	640	4.5	650	10.0	656	11.5	850
GR	12.0	1000	15.0	1140	16.0	1200				
ET						8.11		506	824	
X1	13327	13	628	656	400	400	400	1	0.31	
GR	15	150	13.0	300	9.9	412	9.5	610	9.5	628
GR	4.6	631	3.8	640	4.5	650	10.0	656	11.5	850
GR	12.0	1000	15.0	1140	16.0	1200				
NC	.12	.10	.06	.2	.4					
ET						8.11		506	824	
X1	13427	13	628	656	100	100	100	1	0.38	
GR	15	150	13.0	300	9.9	412	9.5	610	9.5	628
GR	4.6	631	3.8	640	4.5	650	10.0	656	11.5	850
GR	12.0	1000	15.0	1140	16.0	1200				

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QT	6	521	1041	1353	2346	1353	1353			
----	---	-----	------	------	------	------	------	--	--	--

ET						8.11		354		695	
	* OLD X-SEC (5.0)	E --	NO CHANGE FROM ORIGINAL RUNS								
X1	13950	16	464	496	523	523	523				
GR	20	0	15.0	50	13.0	200	10.0	310	9.7	464	
GR	8.0	470	5.7	480	8.0	491	10.1	496	10.1	497	
GR	10.1	498	10.9	700	11.8	950	12.0	1050	15	1100	
GR	15.0	1200									
ET						8.11		364		705	
X1	14900	16	464	496	950	950	950	1	0.59		
GR	20	0	15.0	50	13.0	200	10.0	310	9.7	464	
GR	8.0	470	5.7	480	8.0	491	10.1	496	10.1	497	
GR	10.1	498	10.9	700	11.8	950	12.0	1050	15	1100	
GR	16.0	1200									
NC	.15	.15	.06	.2	.4						
ET						8.11		344		644	
X1	15200	16	464	496	300	300	300	1	0.82		
GR	20	0	15.0	50	13.0	200	10.0	310	9.7	464	
GR	8.0	470	5.7	480	8.0	491	10.1	496	10.1	497	
GR	10.1	498	10.9	700	11.8	950	12.0	1050	15	1100	
GR	16.0	1200									
ET						8.11		4240		4500	
X1	15700	12	4387	4416	500	500	500	1	-0.88		
GR	20	3600	15.0	3900	15.0	3901	13.2	4387	9.7	4393	
GR	7.7	4393	7.0	4400	7.7	4407	14.3	4416	15.0	4800	
GR	17.0	5000	20	5100							
QT	6	484	972	1265	2201	1265	1265				
ET						8.11		4190		4480	
	* OLD X-SEC (5.1)	F --	NO CHANGE FROM ORIGINAL RUNS								
X1	16680	12	4387	4416	980	980	980				
GR	20	3600	15.0	3900	15.0	3901	13.2	4387	9.7	4393	
GR	7.7	4393	7.0	4400	7.7	4407	14.3	4416	15.0	4800	
GR	17.0	5000	20	5100							
NC	.03	.03	.030	.2	.4						
ET						8.11		4170		4480	
	* OLD X-SEC (5.2)	--	NO CHANGE FROM ORIGINAL RUNS								
X1	16730	14	4417	4442.5	50	50	50				
X3	10							14.0	14.0		
GR	20	3600	15.6	3987	14.9	4187	13.2	4387	13.2	4417	
GR	8.4	4417	7.5	4422	7.1	4430	6.9	4437.5	8.3	4442.5	
GR	14.3	4442.5	15.0	4800	15.0	4801	17	5000	20.0	5100	
SB	1.0	1.5	3.0	0	16.0	0	130	.616	6.4	6.4	
NC	.03	.03	.030	.01	.01						

ET

8.11

4170

4480

1

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	* OLD X-SEC (5.3)		--	NO CHANGE FROM ORIGINAL RUNS							
X1	16750	0	0	0	20	20	20				
X2	0	0	1	12.9	15.62						
X3	10							15.62	15.62		
BT	10	3900	17	0	3987	16.7	0	4187	15.91	0	
BT	4417	15.62	0	4417	15.62	12.9	4442.5	15.62	12.9	4442.5	
BT	15.62	0	4566	16.44	0	4816	16.0	0	5000	17	
BT	0										
NC	.10	.10	.050	.2	.4						
ET						8.11		4170	4480		
	* OLD X-SEC (5.4)		--	NO CHANGE FROM ORIGINAL RUNS							
X1	16800	12	4387	4416	50	50	50				
GR	20	3600	15.6	3987	14.9	4187	13.2	4387	0.7	4393	
GR	7.7	4393	7.0	4400	7.7	4407	14.3	4416	16.3	4566	
GR	17.0	5000	20	5100							
HC	0	0	.060	.2	.4						
ET						8.11		4180	4500		
X1	17000	11	4387	4416	200	200	200				
GR	20	3600	15.6	3987	14.9	4187	13.2	4387	9.7	4393	
GR	7.7	4393	7.0	4400	7.7	4407	14.3	4416	15.0	4900	
GR	20	5300									
ET						8.11		4250	4580		
X1	17700	11	4387	4416	700	700	700	1	0.25		
GR	20	3700	15.6	3987	14.9	4187	13.2	4387	9.7	4393	
GR	7.7	4393	7.0	4400	7.7	4407	14.3	4416	15.0	4900	
GR	20	5300									
QT	6	343	702	920	1627	920	920				
ET						8.11		4420	4760		
X1	18370	11	4562	4588	670	670	670	1	-0.32		
GR	20.0	3800	15.0	4300	15.0	4350	14.9	4549	14.7	4562	
GR	7.8	4570	10.7	4579	14.1	4588	15.0	4788	15.2	4988	
GR	20.0	5200									
NC	.15	.10	.060	.2	.4						
ET						8.11		4420	4760		
	* OLD X-SEC (5.4)		G --	NO CHANGE FROM ORIGINAL RUNS							
X1	19270	11	4562	4588	900	900	900				
GR	20.0	3800	15.0	4300	15.0	4350	14.9	4549	14.7	4562	
GR	7.8	4570	10.7	4579	14.1	4588	15.0	4788	15.2	4988	

19270.000	8.29	16.09	.00	.00	16.10	.01	.18	.00	14.70
343.0	56.9	141.8	144.4	357.7	133.5	523.7	369.6	252.2	14.10
4.61	.16	1.06	.28	.150	.060	.100	.000	7.80	4190.95
.000247	900.	900.	900.	2	0	0	.00	836.37	5027.33

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T1 FPM BR CRAVEN COUNTY -- LIMITED MAP MAINTENANCE STUDY
T2 MILLS BRANCH--LIMITED MAP MAINTENANCE STUDY----NATURAL BASE---
T3 50--YR. MILLS BR.-JULY-93-ADDED X-SEC DATA TO REFINE BASE-L.A. TYNDALL

J1	ICHECK	INO	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1	3			.0011				1	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2		-1							

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SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
0	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XLNCH	XNR	WTH	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*PROF 2

CCHV= .200 CEHV= .400
*SECNO 1.000

- * OLD X-SEC (1.0) A - NOTE: ALL X-SEC ARE LEFT--RIGHT FACING UPSTR.
- * OLD X-SEC (1.0) NON-EFF REMOVED BASED ON OBSER. & TOPO MAPS
- * ALL OF THE FOLLOWING SECTIONS REPRESENT A HYDRAULIC SECTION-- NOT A SURVEYED SECTION PER SE -- ALSO THESE SECTIONS REPRESENT A REACH AND NOT A POINT SECTION--BEWARE TRYING TO PLOT AS A SURVEYED SECTION---

1.000	8.23	4.22	.00	1.00	4.30	.06	.00	.00	1.30
1648.0	364.3	663.7	620.0	615.3	212.0	977.8	.0	.0	1.20
.00	.59	3.13	.63	.150	.050	.150	.000	-4.00	200.28
.001099	1.	1.	1.	0	0	6	.00	676.06	876.34

*SECNO 500.000

4.36	.42	1.51	.38	.100	.060	.100	.000	7.25	3934.03
.000340	700.	700.	700.	2	0	0	.00	1078.94	5012.97

*SECNO 18370.000

18370.000	9.35	16.83	.00	.00	16.84	.00	.16	.00	14.38
702.0	226.3	154.2	321.4	807.7	161.1	1014.8	696.5	297.8	13.78
4.78	.28	.96	.32	.100	.060	.100	.000	7.48	4084.84
.000156	670.	670.	670.	2	0	0	.00	989.36	5074.20

CCHV= .200 CEHV= .400

*SECNO 19270.000

* OLD X-SEC (5.4) G -- NO CHANGE FROM ORIGINAL RUNS

19270.000	9.20	17.00	.00	.00	17.01	.01	.17	.00	14.70
702.0	163.7	183.3	354.9	737.6	157.2	942.7	736.0	318.0	14.10
5.23	.22	1.17	.38	.150	.060	.100	.000	7.80	4099.77
.000240	900.	900.	900.	2	0	0	.00	967.84	5067.60

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T1 FPM BR CRAVEN COUNTY -- LIMITED MAP MAINTENANCE STUDY
 T2 MILLS BRANCH--LIMITED MAP MAINTENANCE STUDY----NATURAL BASE---
 T3 100-YR. MILLS BR.-JULY-93-ADDED X-SEC DATA TO REFINE BASE-L.A. TYNDALL

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1	4			.0011				1	
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	3		-1							

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SECNO	DEPTH	CWSEL	CRISW	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*PROF 3

SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
CCHV= .200 CEHV= .400									
*SECNO 17000.000									
3302 WARNING: CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE, KRATIO = 1.54									
17000.000	9.66	16.66	.00	.00	16.67	.02	.12	.01	13.20
1265.0	412.4	359.2	493.4	852.9	212.5	1082.4	823.6	285.8	14.30
4.37	.48	1.69	.46	.100	.060	.100	.000	7.00	3893.87
.000407	200.	200.	200.	2	0	0	.00	1138.84	5032.71

*SECNO 17700.000									
17700.000	9.69	16.94	.00	.00	16.95	.0*	.28	.00	13.45
1265.0	412.5	355.2	497.4	854.2	213.4	1100.9	858.3	303.9	14.55
4.62	.48	1.66	.45	.100	.060	.100	.000	7.25	3915.97
.000393	700.	700.	700.	2	0	0	.00	1119.14	5035.11

*SECNO 18370.000									
18370.000	9.65	17.13	.00	.00	17.14	.20	.18	.00	14.38
920.0	311.4	180.1	428.4	956.8	169.0	1154.0	892.6	320.5	13.78
5.00	.33	1.07	.37	.100	.060	.100	.000	7.48	4054.56
.000182	670.	670.	670.	2	0	0	.00	1033.01	5087.57

CCHV= .200 CEHV= .400									
*SECNO 19270.000									
* OLD X-SEC (5.4) G -- NO CHANGE FROM ORIGINAL RUNS									
19270.000	9.53	17.33	.00	.00	17.34	.01	.20	.00	14.70
920.0	229.2	212.0	478.8	894.5	165.7	1102.2	938.6	341.6	14.10
5.42	.26	1.28	.43	.150	.060	.100	.000	7.80	4067.00
.000269	900.	900.	900.	2	0	0	.00	1015.08	5082.08

29JUL93 15:50:09

T1 FPM BR CRAVEN COUNTY -- LIMITED MAP MAINTENANCE STUDY
 T2 MILLS BRANCH--LIMITED MAP MAINTENANCE STUDY----NATURAL BASE---
 T3 500-YR, MILLS BR.-JULY-93-ADDED X-SEC DATA TO REFINE BASE-L.A. TYNDALL

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-1	5			.0011				1	

18370.000	10.47	17.95	.00	.00	17.96	.01	.23	.00	14.38
1627.0	604.7	247.1	775.2	1405.3	190.2	1587.4	1360.8	380.9	13.78
4.83	.43	1.30	.49	.100	.060	.100	.000	7.49	3872.76
.000231	670.	670.	670.	2	0	0	.00	1150.94	5123.70

CCHV= .200 CEHV= .400
 *SECNO 19270.000

* OLD X-SEC (5.4) G -- NO CHANGE FROM ORIGINAL RUNS									
19270.000	10.40	18.20	.00	.00	18.20	.01	.24	.00	14.70
1627.0	456.4	287.8	882.9	1360.0	188.2	1546.1	1425.7	404.6	14.10
5.20	.34	1.53	.57	.150	.060	.100	.000	7.80	3980.50
.000324	900.	900.	900.	2	0	0	.00	1139.77	5120.28

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THIS RUN EXECUTED 29JUL93 15:50:25

 HEC-2 WATER SURFACE PROFILES
 Version 4.5.0; February 1991

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

10--YR. MILLS BR.-JULY-9

SUMMARY PRINTOUT

SECNO	Q	CWSEL	10*KS	TOPWID	SSTA	ENDS1	STENCL	STENCR
1.000	847.00	3.07	11.01	633.23	221.88	855.11	.00	.00
1.000	1648.00	4.23	13.99	676.06	200.28	876.34	.00	.00
1.000	2121.00	4.79	10.96	690.48	189.98	886.46	.00	.00
1.000	3593.00	6.19	11.01	749.20	163.89	912.09	.00	.00
500.000	847.00	3.52	6.29	649.55	213.65	863.20	.00	.00
500.000	1648.00	4.70	7.15	693.18	191.64	884.82	.00	.00
500.000	2121.00	5.26	7.45	713.87	181.21	895.08	.00	.00
500.000	3593.00	6.68	8.09	766.27	154.77	921.05	.00	.00

1000.000	847.00	3.80	4.58	659.84	208.46	868.30	.00	.00
1000.000	1648.00	5.02	5.44	705.06	185.65	890.71	.00	.00
1000.000	2121.00	5.60	5.78	726.34	174.92	901.26	.00	.00
1000.000	3593.00	7.05	6.50	780.03	147.83	927.87	.00	.00
A 2050.000	847.00	4.29	5.09	531.39	236.52	767.91	.00	.00
2050.000	1648.00	5.62	6.21	633.12	187.58	820.70	.00	.00
2050.000	2121.00	6.23	6.54	665.74	175.35	841.09	.00	.00
2050.000	3593.00	7.76	7.20	747.26	144.78	692.04	.00	.00
2450.000	583.00	4.48	3.84	350.79	333.67	684.46	.00	.00
2450.000	1158.00	5.85	5.05	453.89	301.21	755.10	.00	.00
2450.000	1502.00	6.48	5.48	507.96	287.46	795.42	.00	.00
2450.000	2590.00	8.03	6.25	642.59	253.23	895.82	.00	.00
3000.000	583.00	4.73	5.77	286.03	402.17	688.20	.00	.00
3000.000	1158.00	6.17	7.12	384.51	393.02	777.53	.00	.00
3000.000	1502.00	6.81	7.61	431.39	389.15	820.54	.00	.00
3000.000	2590.00	8.41	8.48	547.19	379.59	926.78	.00	.00
* 4000.000	583.00	5.54	12.43	237.11	346.79	583.90	.00	.00
4000.000	1158.00	7.09	12.67	286.91	337.46	624.36	.00	.00
4000.000	1502.00	7.79	13.01	309.15	333.28	642.44	.00	.00
4000.000	2590.00	9.48	14.04	363.26	323.14	686.40	.00	.00

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SECNO	Q	CWSEL	10*KS	TOPWID	SSTA	ENDST	STENCL	STENCR
4500.000	583.00	<u>6.17</u>	13.41	199.26	291.85	491.11	.00	.00
4500.000	1158.00	<u>7.76</u>	14.66	265.83	253.81	519.64	.00	.00
4500.000	1502.00	<u>8.47</u>	15.12	295.78	236.70	532.48	.00	.00
4500.000	2590.00	<u>10.21</u>	15.93	374.14	195.84	569.98	.00	.00
5000.000	583.00	6.82	12.38	172.77	333.61	506.39	.00	.00
5000.000	1158.00	8.48	14.31	239.14	300.43	539.57	.00	.00
5000.000	1502.00	9.22	15.03	268.74	285.63	554.37	.00	.00
5000.000	2590.00	11.00	15.91	379.75	216.17	595.92	.00	.00
5393.000	583.00	7.29	11.59	130.95	356.56	487.51	.00	.00
5393.000	1158.00	<u>9.04</u>	14.71	174.89	324.70	499.60	.00	.00
5393.000	1502.00	8.81	16.13	194.19	310.71	504.90	.00	.00
5393.000	2590.00	<u>11.63</u>	18.23	599.64	92.76	888.18	.00	.00
* 5443.000	583.00	7.29	3.86	40.00	415.00	455.00	.00	.00
* 5443.000	1158.00	9.10	2.63	168.83	328.02	496.86	.00	.00

* 5443.000	1502.00	9.90	2.57	193.51	310.96	504.47	.00	.00
* 5443.000	2590.00	11.79	2.09	800.54	53.38	853.91	.00	.00
5468.000	583.00	7.30	3.85	40.00	415.00	455.00	.00	.00
5468.000	1158.00	9.40	4.87	40.00	415.00	455.00	.00	.00
5468.000	1502.00	10.71	1.49	251.33	261.04	512.37	.00	.00
5468.000	2590.00	12.11	1.58	914.50	.00	914.50	.00	.00
* 5543.000	583.00	7.37	9.35	123.36	355.15	478.51	.00	.00
* 5543.000	1158.00	9.59	8.80	183.69	314.73	498.42	.00	.00
* 5543.000	1502.00	10.69	8.10	245.11	263.20	508.31	.00	.00
* 5543.000	2590.00	12.06	11.45	545.18	.00	545.18	.00	.00
* 8500.000	583.00	5.61	2.12	725.18	203.11	928.29	.00	.00
* 8500.000	1158.00	10.52	1.29	861.20	140.27	1001.46	.00	.00
* 8500.000	1502.00	11.50	1.03	974.77	85.11	1059.88	.00	.00
* 8500.000	2590.00	13.05	1.14	1150.00	.00	1150.00	.00	.00
* 10343.000	583.00	9.15	4.66	733.81	537.17	1270.98	.00	.00
* 10343.000	1158.00	10.82	2.02	1006.73	400.00	1406.73	.00	.00
* 10343.000	1502.00	11.72	1.37	1070.05	400.00	1470.05	.00	.00
* 10343.000	2590.00	13.28	1.23	1179.04	400.00	1579.04	.00	.00
10543.000	583.00	9.27	6.56	739.42	533.61	1273.03	.00	.00
10543.000	1158.00	10.87	3.25	1002.97	400.00	1402.97	.00	.00
10543.000	1502.00	11.75	2.24	1065.24	400.00	1465.24	.00	.00
10543.000	2590.00	13.31	1.98	1173.94	400.00	1573.94	.00	.00
* 12773.000	583.00	11.02	9.88	416.16	371.58	787.75	.00	.00
* 12773.000	1158.00	12.06	11.76	669.80	333.54	1003.34	.00	.00
* 12773.000	1502.00	12.64	10.43	717.30	312.81	1030.12	.00	.00
* 12773.000	2590.00	14.07	8.02	876.57	218.92	1096.49	.00	.00

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SECNO	Q	CWSEL	10*KS	TOPWID	SSTA	ENDST	STENCL	STENCR
* 12823.000	583.00	11.11	1.99	432.29	368.23	800.52	.00	.00
* 12823.000	1158.00	12.17	1.42	678.02	329.95	1007.98	.00	.00
* 12823.000	1502.00	12.73	1.11	724.36	309.73	1034.09	.00	.00
* 12823.000	2590.00	14.13	.72	883.68	215.54	1099.22	.00	.00
* 12877.000	583.00	11.91	.53	637.70	338.94	976.64	.00	.00
* 12877.000	1158.00	12.37	1.05	695.43	322.36	1017.79	.00	.00
* 12877.000	1502.00	12.76	1.06	727.47	308.38	1035.85	.00	.00
* 12877.000	2590.00	14.13	.71	884.41	215.09	1099.50	.00	.00

* 12927.000	583.00	11.91	3.90	637.29	338.99	976.27	.00	.00
* 12927.000	1158.00	12.37	9.01	694.78	322.64	1017.42	.00	.00
* 12927.000	1502.00	12.75	9.90	726.71	308.71	1035.42	.00	.00
* 12927.000	2590.00	14.12	8.02	884.12	215.27	1099.39	.00	.00
13327.000	583.00	12.08	4.68	586.63	344.43	931.06	.00	.00
13327.000	1158.00	12.72	8.63	697.89	321.28	1019.18	.00	.00
13327.000	1502.00	13.14	9.22	732.31	306.26	1038.58	.00	.00
13327.000	2590.00	14.44	8.01	884.39	215.10	1099.49	.00	.00
13427.000	583.00	12.13	4.67	577.53	345.41	922.94	.00	.00
13427.000	1158.00	12.81	7.90	699.52	320.57	1020.09	.00	.00
13427.000	1502.00	13.23	8.24	734.63	305.25	1039.88	.00	.00
13427.000	2590.00	14.52	7.06	885.64	214.33	1099.97	.00	.00
13950.000	521.00	12.23	2.54	830.82	224.64	1055.46	.00	.00
13950.000	1041.00	13.11	3.36	876.64	191.84	1068.48	.00	.00
13950.000	1353.00	13.54	3.42	915.99	159.65	1075.63	.00	.00
13950.000	2346.00	14.79	3.12	1030.68	65.81	1096.49	.00	.00
14900.000	521.00	12.63	4.12	815.36	235.27	1050.63	.00	.00
14900.000	1041.00	13.47	4.50	860.49	204.24	1064.74	.00	.00
14900.000	1353.00	13.90	4.42	895.44	176.46	1071.90	.00	.00
14900.000	2346.00	15.12	3.89	1006.70	85.43	1092.13	.00	.00
15200.000	521.00	12.78	6.79	791.06	238.19	1029.25	.00	.00
15200.000	1041.00	13.64	7.77	857.19	206.52	1063.70	.00	.00
15200.000	1353.00	14.07	7.81	889.64	181.20	1070.84	.00	.00
15200.000	2346.00	15.27	7.21	999.29	91.49	1090.78	.00	.00
* 15700.000	521.00	13.30	28.23	295.00	4120.85	4415.84	.00	.00
* 15700.000	1041.00	14.25	32.44	921.27	3892.02	4813.30	.00	.00
* 15700.000	1353.00	14.67	27.22	989.20	3866.55	4855.75	.00	.00
* 15700.000	2346.00	15.78	18.15	1165.90	3800.29	4966.19	.00	.00
* 16680.000	484.00	14.95	9.44	860.31	3913.76	4774.07	.00	.00
* 16680.000	972.00	15.90	8.40	1043.90	3846.04	4889.94	.00	.00
* 16680.000	1265.00	16.23	9.07	1096.26	3826.40	4922.66	.00	.00
16680.000	2201.00	17.11	9.73	1229.91	3773.63	5003.54	.00	.00

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SECNO	Q	CWSEL	10*KS	TOPWID	SSTA	ENDST	STENCL	STENCR
* 16730.000	484.00	15.00	1.15	638.41	4159.56	4797.97	.00	.00
* 16730.000	972.00	15.93	.86	935.59	3957.96	4893.55	.00	.00

* 16730.000	1265.00	16.27	.84	999.50	3927.97	4927.48	.00	.00
* 16730.000	2201.00	17.14	.77	1148.56	3851.44	5000.00	.00	.00
* 16750.000	484.00	15.23	2.49	25.50	4417.00	4442.50	.00	.00
16750.000	972.00	16.30	.47	1006.87	3924.51	4931.39	.00	.00
16750.000	1265.00	16.50	.59	1042.77	3907.67	4950.44	.00	.00
16750.000	2201.00	17.16	.75	1150.52	3849.48	5000.00	.00	.00
* 16800.000	484.00	15.29	5.95	414.67	4075.58	4490.25	.00	.00
* 16800.000	972.00	16.28	7.19	636.95	3927.39	4564.33	.00	.00
* 16800.000	1265.00	16.46	9.70	756.77	3910.99	4667.77	.00	.00
* 16800.000	2201.00	17.12	13.29	1150.34	3853.56	5003.90	.00	.00
17000.000	484.00	15.43	4.34	899.08	4035.38	4934.45	.00	.00
* 17000.000	972.00	16.43	3.32	1099.96	3914.23	5014.19	.00	.00
* 17000.000	1265.00	16.66	4.07	1138.84	3893.87	5032.71	.00	.00
* 17000.000	2201.00	17.37	5.18	1257.80	3831.57	5089.37	.00	.00
17700.000	484.00	15.72	4.00	915.07	4022.89	4937.95	.00	.00
17700.000	972.00	16.66	3.40	1078.94	3934.03	5012.97	.00	.00
17700.000	1265.00	16.94	3.93	1119.14	3915.97	5035.11	.00	.00
17700.000	2201.00	17.71	4.71	1231.59	3865.47	5097.06	.00	.00
18370.000	343.00	15.92	1.59	857.33	4176.42	5033.75	.00	.00
18370.000	702.00	16.83	1.56	989.36	4084.84	5074.20	.00	.00
18370.000	920.00	17.13	1.82	1033.01	4054.56	5087.57	.00	.00
18370.000	1627.00	17.95	2.31	1150.94	3972.76	5123.70	.00	.00
19270.000	343.00	15.99	2.47	836.37	4190.95	5027.33	.00	.00
19270.000	702.00	17.00	2.40	967.84	4099.77	5067.60	.00	.00
19270.000	920.00	17.33	2.69	1015.08	4067.00	5082.08	.00	.00
19270.000	1627.00	18.20	2.24	1139.77	3980.50	5120.28	.00	.00

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*****
* HEC-2 WATER SURFACE PROFILES *
* *
* Version 4.6.0: February 1991 *
* *
* RUN DATE 29JUL93 TIME 15:44:40 *
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*****
* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET, SUITE D *
* DAVIS, CALIFORNIA 95616-4367 *
* (916) 756-1104 *
*****

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1 29JUL93 15:44:40

PAGE 1

THIS RUN EXECUTED 29JUL93 15:44:40

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*****
HEC-2 WATER SURFACE PROFILES
Version 4.6.0: February 1991
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T1 FPM BR CRAVEN COUNTY -- LIMITED MAP MAINTENANCE STUDY
T2 MILLS BRANCH--LIMITED MAP MAINTENANCE STUDY----NATURAL BASE---
T3 100-YR, MILLS BR.-JULY-93-ADDED X-SEC DATA TO REFINE BASE-L.A. TYNDALL

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J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ
      4 0 4.B
J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
      1 -1

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J3 VARIABLE CODES FOR SUMMARY PRINTOUT

38	4	53	54	21	22	1	5	43	0
38	43	1	5	4	53	54	27	28	0
200									

QT	6	847	1648	2121	3593	2121	2121		
NC	.15	.15	.05	.2	.4				
ET						8.11	9.61	316	730

* OLD X-SEC (1.0) A - NOTE; ALL X-SEC ARE LEFT--RIGHT FACING UPSTR.
 * OLD X-SEC (1.0) NON-EFF REMOVED BASED ON OBSER. & TOPO MAPS
 * ALL OF THE FOLLOWING SECTIONS REPRESENT A HYDRAULIC SECTION-- NOT A
 * SURVEYED SECTION PER SE -- ALSO THESE SECTIONS REPRESENT A REACH AND
 * NOT A POINT SECTION--BEWARE TRYING TO PLOT AS A SURVEYED SECTION---

X1	1	11	466	500	1	1	1			
GR	15.0	0	2.1	240	1.3	466	0.0	466	-4.0	483
GR	0.0	500	1.2	500	1.7	830	11.0	1000	11.0	1001
GR	11.5	1075								
ET						8.11	7.61	316	730	
X1	500	11	466	500	500	500	500			
GR	15.0	0	2.1	240	1.3	466	0.0	466	-4.0	483
GR	0.0	500	1.2	500	1.7	830	11.0	1000	11.0	1001
GR	11.5	1075								

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PAGE 2

ET						8.11		366	730	
X1	1000	11	466	500	500	500	500			
GR	15.0	0	2.1	240	1.3	466	0.0	466	-4.0	483
GR	0.0	500	1.2	500	1.7	830	11.0	1000	11.0	1001
GR	11.5	1075								
ET						8.11		366	730	

* OLD X-SEC (1.0) A - NOTE; ALL X-SEC ARE LEFT--RIGHT FACING UPSTR.
 * ---- NOTE ---- ALL X-SEC ARE LEFT TO RIGHT FACING UPSTREAM ----
 * ---- NOTE ---- ALL X-SEC ARE LEFT TO RIGHT FACING UPSTREAM ----

X1	2050	11	466	500	1050	1050	1050			
GR	15.0	0	5.0	200	2.1	350	1.3	466	0.0	466
GR	-4.0	483	0.0	500	1.2	500	1.7	650	5.0	800
GR	11.0	1000								
QT	6	583	1158	1502	2590	1502	1502			
ET						8.11		390	600	
X1	2450	11	466	500	400	400	400			
GR	15	100	5.0	320	2.0	400	1.8	466	0.5	466

GR	-3.5	483	0.5	500	1.7	500	1.7	600	5.0	700
GR	11.2	1100								
ET						8.11		420	550	
X1	3000	12	466	500	550	550	550	420	2.3	466
GR	15	250	10.0	370	5.0	400	2.5	500	2.7	600
GR	1.0	466	-3.0	483	1.0	500	2.2			
GR	5.0	700	11.0	1100						
NC	0	0	.06	.2	.4					
ET						8.11		370	490	
X1	4000	11	400	430	1000	1000	1000	400	-2.2	414
GR	15	270	10.0	320	5.0	350	3.5	570	10.0	700
GR	1.0	425	2.5	430	2.5	460	5.0			
GR	15.0	1100								
ET						8.11		370	190	
X1	4500	11	400	430	500	500	500	400	-1.7	414
GR	15	100	10.0	200	5.0	320	4.1	470	10.0	560
GR	1.5	425	3.0	430	2.8	460	5.0			
GR	15.0	800								
QT	6	583	1158	1502	2590	1502	1502	370	490	
ET						8.11				
X1	5000	11	400	430	500	500	500	400	-1.2	414
GR	15	0	10.0	270	5.0	370	4.6	470	10.0	570
GR	2.0	425	3.4	430	3.1	460	5.0			
GR	15.0	700								

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ET						8.11		380	464	
X1	5393	13	400	430	393	393	393	400	-1.0	414
GR	12	0	11.2	200	10.4	300	4.9	520	12.0	545
GR	2.2	425	3.6	430	3.3	460	12.0			
GR	13.9	551	10.4	801	12.0	914.5				
NC	.03	.03	.03	.2	.4					
ET						8.11		371	455	
X1	5443	14	415	455	50	50	50	415	2.8	425
X3	10							447	3.1	455
GR	12	0	11.2	200	10.4	300	5.1	914.5		
GR	2.2	425	-0.1	436	2.2	447	2.6			
GR	5.3	460	11.5	520	11.6	801	12			
SB	1.0	1.5	2.8	0	22.0	1.0	240	1.0	0.3	0.3

NC	.03	.03	.03	.01	.01						
ET						8.11		371		455	
X1	5468	0	0	0	25	25	25				
X2			1	8.3	10.5						
X3	10							10.5		10.5	
BT	8	0	12.9	0	200	11.7	0	415		10.5	0
BT	415	10.5	8.3	455	10.5	8.3	455	10.5		0	545
BT	11.5	0	801	11.6	0						

NC	.12	.12	.05	.2	.4						
ET						8.11		380		464	
	* OLD X-SEC (4.40) B -- NON EFFECTIVE FLOWS REMOVED ON NEXT SECTIONS										
X1	5543	11	400	430	75	75	75				
GR	12	0.0	11.2	200	10.4	300	4.9	400		-1.0	414
GR	2.2	425	3.6	430	5.3	460	12.0	520		12.0	545
GR	13.9	551									

NC	.10	.12	.04	.2	.4						
ET						8.11		230		540	
	-NEW VALLEY X-SEC FROM ANDERSON TOPO MAP PLUS SURVEY VALLEY SECTION -NON EFFECTIVE FLOWS REMOVED BASED ON OBSERVATION & TOPO MAPS										
X1	8500	14	369	400	2957	2957	2957				
GR	13	0	10	170	5.8	270	5.1	369		2	377
GR	0.5	381	0.5	389	2	392	6.8	400		7	480
GR	8	580	8	910	10	970	13	1150			

NC	.10	.10	.04	.2	.4						
ET						8.11		785		1180	
	* OLD X-SEC (4.0) C -NON-EFF. REMOVED BASED ON OBSER. & TOPO MAPS										
X1	10343	12	987	1013	1843	1843	1843				
GR	15	400	10	400	8.9	577	8.1	909		7.6	987
GR	3.6	991	1.5	1000	3.6	1008	6.7	1013		7.4	1109
GR	10	1350	15	1700							

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NC	.15	.10	.05	.2	.4						
ET						8.11		785		1180	
	- SAME AS X-SEC 4.0 -- TRANSITION SECTION ONLY -----										
X1	10543	12	987	1013	200	200	200			1	0.1
GR	15	400	10	400	8.9	577	8.1	909		7.6	987
GR	3.6	991	1.5	1000	3.6	1008	6.7	1013		7.4	1109
GR	10	1350	15	1700							

NC	.15	.10	.05	.2	.4						
ET						8.11		506		824	

	* OLD X-SEC (4.11) D --			NO CHANGE FROM ORIGINAL RUNS							
X1	12773	13	628	656	2230	2230	2230				
GR	15	150	13.0	300	9.9	412	9.5	610	9.5	628	
GR	4.6	631	3.8	640	4.5	650	10.0	656	11.5	850	
GR	12.0	1000	15.0	1140	16.0	1200					
NC	.03	.03	.03	.2	.4						
ET						8.11		506	824		
X1	12823	16	640	656	50	50	50				
X3	10							10	10		
GR	15	150	13.0	300	9.9	412	9.5	610	9.5	628	
GR	9.5	637	9.5	640	3.13	640	3.13	656	6.63	656	
GR	10.0	656	10.0	659	11.5	850	12.0	1000	15.0	1140	
GR	16.0	1200									
SB	1.0	1.76	3.0	0	14.0	3.0	66.0	0.28	3.8	3.8	
NC	.03	.03	.03	.03	.01						
ET						8.11		506	824		
X1	12877	0	0	0	54	54					
X2			1	9.1	11.5						
X3	10							11.5	11.5		
BT	10	150	15.0	0	300	13.0	0	412	11.6	0	
BT	640	11.6	0	640	11.6	9.1	656	11.6	9.1	656	
BT	11.6	0	850	11.7	0	1000	13.0	0	1140	15.0	
BT	0										
NC	.12	.12	.06	.2	.4						
ET						8.11		506	824		
X1	12927	13	628	656	50	50	50				
GR	15	150	13.0	300	9.9	412	9.5	610	9.5	628	
GR	4.6	631	3.8	640	4.5	650	10.0	656	11.5	850	
GR	12.0	1000	15.0	1140	16.0	1200					
ET						8.11		506	824		
X1	13327	13	628	656	400	400	400	1	0.31		
GR	15	150	13.0	300	9.9	412	9.5	610	9.5	628	
GR	4.6	631	3.8	640	4.5	650	10.0	656	11.5	850	
GR	12.0	1000	15.0	1140	16.0	1200					

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NC	.12	.10	.06	.2	.4						
ET						8.11		506	824		
X1	13427	13	628	656	100	100	100	1	0.38		
GR	15	150	13.0	300	9.9	412	9.5	610	9.5	628	
GR	4.6	631	3.8	640	4.5	650	10.0	656	11.5	850	

GR	12.0	1000	15.0	1140	16.0	1200					
QT	6	521	1041	1353	2346	1353	1353				
ET						8.11		354	695		
	* OLD X-SEC (5.0)		E --	NO CHANGE FROM ORIGINAL RUNS							
X1	13950	16	464	496	523	523	523				
GR	20	0	15.0	50	13.0	200	10.0	310	9.7	464	
GR	8.0	470	5.7	480	8.0	491	10.1	496	10.1	497	
GR	10.1	498	10.9	700	11.8	950	12.0	1050	15	1100	
GR	16.0	1200									
ET						8.11		364	705		
X1	14900	16	464	496	950	950	950	1	0.59		
GR	20	0	15.0	50	13.0	200	10.0	310	9.7	464	
GR	8.0	470	5.7	480	8.0	491	10.1	496	10.1	497	
GR	10.1	498	10.9	700	11.8	950	12.0	1050	15	1100	
GR	16.0	1200									
NC	.15	.15	.06	.2	.4						
ET						8.11		344	644		
X1	15200	16	464	496	300	300	300	1	0.82		
GR	20	0	15.0	50	13.0	200	10.0	310	9.7	464	
GR	8.0	470	5.7	480	8.0	491	10.1	496	10.1	497	
GR	10.1	498	10.9	700	11.8	950	12.0	1050	15	1100	
GR	16.0	1200									
ET						8.11		4240	4500		
X1	15700	12	4387	4416	500	500	500	1	-0.88		
GR	20	3600	15.0	3900	15.0	3901	13.2	4387	9.7	4393	
GR	7.7	4393	7.0	4400	7.7	4407	14.3	4416	15.0	4800	
GR	17.0	5000	20	5100							
QT	6	484	972	1265	2201	1265	1265				
ET						8.11		4190	4480		
	* OLD X-SEC (5.1)		F --	NO CHANGE FROM ORIGINAL RUNS							
X1	16680	12	4387	4416	980	980	980				
GR	20	3600	15.0	3900	15.0	3901	13.2	4387	9.7	4393	
GR	7.7	4393	7.0	4400	7.7	4407	14.3	4416	15.0	4800	
GR	17.0	5000	20	5100							
NC	.03	.03	.030	.2	.4						
ET						8.11		4170	4480		
	* OLD X-SEC (5.2)		--	NO CHANGE FROM ORIGINAL RUNS							
X1	16730	14	4417	4442.5	50	50	50				
X3	10							14.0	14.0		
GR	20	3600	15.6	3987	14.9	4187	13.2	4387	13.2	4417	
GR	8.4	4417	7.5	4422	7.1	4430	6.3	4437.5	8.3	4442.5	
GR	14.3	4442.5	15.0	4800	15.0	4800	17	5000	20.0	5100	

SB	1.0	1.5	3.0	0	16.0	0	130	.616	6.4	6.4
NC	.03	.03	.030	.01	.01					
ET						8.11		4170	4460	
	* OLD X-SEC (5.3)		--	NO CHANGE FROM ORIGINAL RUNS						
X1	16750	0	0	0	20	20	20			
X2	0	0	1	12.9	15.62					
X3	10							15.62	15.62	
BT	10	3900	17	0	3987	16.7	0	4187	15.91	0
BT	4417	15.62	0	4417	15.62	12.9	4442.5	15.62	12.9	4442.5
BT	15.62	0	4566	16.44	0	4816	16.0	0	5000	17
BT	0									
NC	.10	.10	.050	.2	.4					
ET						8.11		4170	4480	
	* OLD X-SEC (5.4)		--	NO CHANGE FROM ORIGINAL RUNS						
X1	16800	12	4387	4416	50	50	50			
GR	20	3600	15.6	3987	14.9	4187	13.2	4387	9.7	4393
GR	7.7	4393	7.0	4400	7.7	4407	14.3	4416	16.3	4566
GR	17.0	5000	20	5100						
NC	0	0	.060	.2	.4					
ET						8.11		4180	4500	
X1	17000	11	4387	4416	200	200	200			
GR	20	3600	15.6	3987	14.9	4187	13.2	4387	9.7	4393
GR	7.7	4393	7.0	4400	7.7	4407	14.3	4416	15.0	4900
GR	20	5300								
ET						8.11		4250	4580	
X1	17700	11	4387	4416	700	700	700	1	0.25	
GR	20	3700	15.6	3987	14.9	4187	13.2	4387	9.7	4393
GR	7.7	4393	7.0	4400	7.7	4407	14.3	4416	15.0	4900
GR	20	5300								
QT	6	343	702	920	1627	920	920			
ET						8.11		4420	4760	
X1	18370	11	4562	4588	670	670	670	1	-0.32	
GR	20.0	3800	15.0	4300	15.0	4350	14.9	4549	14.7	4562
GR	7.8	4570	10.7	4579	14.1	4588	15.0	4788	15.2	4988
GR	20.0	5200								
NC	.15	.10	.060	.2	.4					
ET						8.11		4420	4760	
	* OLD X-SEC (5.4)		G --	NO CHANGE FROM ORIGINAL RUNS						

X1	19270	11	4562	4588	900	900	900			
GR	20.0	3800	15.0	4300	15.0	4350	14.9	4549	14.7	4562
GR	7.8	4570	10.7	4579	14.1	4588	15.0	4786	15.2	4988
GR	20.0	5200								

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SECNO	DEPTH	CWSEL	CRWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	OLOB	OCH	ORGB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XLN	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*PROF 1

0

CCHV= .200 CEHV= .400

*SECNO 1.000

* OLD X-SEC (1.0) A - NOTE: ALL X-SEC ARE LEFT--RIGHT FACING UPSTR.
 * OLD X-SEC (1.0) NON-EFF REMOVED BASED ON OBSER. & TOPO MAPS
 * ALL OF THE FOLLOWING SECTIONS REPRESENT A HYDRAULIC SECTION-- NOT A
 * SURVEYED SECTION PER SE -- ALSO THESE SECTIONS REPRESENT A REACH AND
 * NOT A POINT SECTION--BEWARE TRYING TO PLOT AS A SURVEYED SECTION--

1.000	8.80	4.80	.00	4.80	4.87	.07	.00	.00	1.30
2121.0	513.0	762.0	846.0	768.4	231.2	1193.3	.0	.0	1.20
.00	.67	3.30	.71	.150	.050	.150	.000	-4.00	189.77
.001085	1.	1.	1.	0	0	0	.00	696.90	886.67

*SECNO 500.000

500.000	9.27	5.27	.00	.00	5.31	.05	.44	.00	1.30
2121.0	541.7	703.4	875.8	899.6	247.1	1376.1	27.1	8.1	1.20
.10	.60	2.85	.64	.150	.050	.150	.000	-4.00	181.07
.900741	500.	500.	500.	2	0	0	.00	714.15	295.21

*SECNO 1000.000

1000.000	9.60	5.60	.00	.00	5.64	.04	.33	.00	1.30
2121.0	559.2	668.4	893.4	996.5	258.5	1510.1	57.4	16.4	1.20
.22	.56	2.59	.59	.150	.050	.150	.000	-4.00	174.81
.000575	500.	500.	500.	2	0	0	.00	726.56	901.36

*SECNO 2050.000

* OLD X-SEC (1.0) A - NOTE: ALL X-SEC ARE LEFT--RIGHT FACING UPSTR.
 * ---- NOTE ---- ALL X-SEC ARE LEFT TO RIGHT FACING UPSTREAM ----
 * ---- NOTE ---- ALL X-SEC ARE LEFT TO RIGHT FACING UPSTREAM ----

920.0	229.2	212.0	478.8	894.5	165.7	1102.2	938.9	341.7	14.10
5.42	.26	1.28	.43	.150	.060	.100	.000	7.80	4067.00
.000269	900.	900.	900.	2	0	0	.00	1015.06	5082.08

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T1 FPM BR CRAVEN COUNTY -- LIMITED MAP MAINTENANCE STUDY
 T2 100-YR ENCROACHED--WITH REFINED MODEL--JULY 93 L A TYNDALL
 T3 100-YR. MILLS BR.-JULY-93-ADDED X-SEC DATA TO REFINE BASE-L.A. TYNDALL

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FO
	-1	6			0				5.5	
J2	NPROF	IPLCT	PRFVS	XSECV	XSECH	FN	ALLDC	IUW	CHNIM	ITRACE
	15		-1							

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SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	L-BANK ELEV
Q	VLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	R-BANK ELEV
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

*PROF 2

0

CCHV= .200 CEHV= .400
 *SECNO 1.000

3470 ENCROACHMENT STATIONS= 316.0 730.0 TYPE= 1 TARGET= 414.000

- * OLD X-SEC (1.0) A - NOTE: ALL X-SEC ARE LEFT--RIGHT FACING UPSTR.
- * OLD X-SEC (1.0) NON-EFF REMOVED BASED ON OBSER. & TOPD MAPS
- * ALL OF THE FOLLOWING SECTIONS REPRESENT A HYDRAULIC SECTION-- NOT A
- * SURVEYED SECTION PER SE -- ALSO THESE SECTIONS REPRESENT A REACH AND
- * NOT A POINT SECTION--BEWARE TRYING TO PLOT AS A SURVEYED SECTION---

1.000	9.50	5.50	.00	4.80	5.58	.08	.00	.00	1.30
2121.0	464.4	882.2	774.4	590.2	255.0	948.9	.0	.0	1.20

*SECNO 18370.000

3470 ENCROACHMENT STATIONS=	4420.0	4760.0	TYPE=	1	TARGET=	340.000			
18370.000	10.57	18.05	.00	17.13	18.06	.01	.25	.00	14.38
920.0	263.2	267.6	389.2	489.9	192.8	667.9	588.5	118.4	13.78
3.52	.54	1.39	.58	.100	.060	.100	.000	7.48	4420.00
.000259	670.	670.	670.	2	0	0	.00	340.00	4760.00

CCHV= .200 CEHV= .400
*SECNO 19270.000

3470 ENCROACHMENT STATIONS=	4420.0	4760.0	TYPE=	1	TARGET=	340.000			
* OLD X-SEC (5.4) G --	NO CHANGE FROM ORIGINAL RUNS								
19270.000	10.51	18.31	.00	17.33	18.33	.02	.26	.00	14.70
920.0	192.7	298.5	428.8	481.4	191.2	657.6	600.2	125.4	14.10
3.80	.40	1.56	.65	.150	.060	.100	.000	7.80	4420.00
.000331	900.	900.	900.	2	0	0	.00	340.00	4760.00

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THIS RUN EXECUTED 29JUL93 15:44:49

 HEC-2 WATER SURFACE PROFILES
 Version 4.6.0; February 1991

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

100-YR, MILLS BR.-JULY-9

SUMMARY PRINTOUT

SECNO	TOPWID	SSTA	ENDST	STCHL	STCHR	CWSEL	10*KS	Q
1.000	696.90	189.77	886.67	466.00	500.00	4.80	10.85	2121.00
1.000	414.00	316.00	730.00	466.00	500.00	5.50	10.49	2121.00
500.000	714.15	181.07	695.21	466.00	500.00	5.27	11.41	2121.00

500.000	414.00	316.00	730.00	466.00	500.00	5.97	7.78	2121.00
1000.000	726.56	174.81	901.36	466.00	500.00	5.60	5.75	2121.00
1000.000	364.00	366.00	730.00	466.00	500.00	6.35	7.29	2121.00
2050.000	665.93	175.28	841.21	466.00	500.00	6.24	6.53	2121.00
2050.000	364.00	366.00	730.00	466.00	500.00	7.03	5.76	2121.00
2450.000	508.20	287.40	795.60	466.00	500.00	6.48	5.47	1502.00
2450.000	210.00	390.00	600.00	466.00	500.00	7.25	5.55	1502.00
3000.000	431.56	389.14	820.69	466.00	500.00	6.82	7.60	1502.00
3000.000	130.00	420.00	550.00	466.00	500.00	7.60	9.66	1502.00
4000.000	309.19	333.28	642.47	400.00	430.00	7.79	12.99	1502.00
4000.000	120.00	370.00	490.00	400.00	430.00	8.77	14.11	1502.00
4500.000	295.81	236.68	532.49	400.00	430.00	8.47	15.11	1502.00
4500.000	120.00	370.00	490.00	400.00	430.00	9.47	14.01	1502.00
5000.000	268.76	285.62	554.38	400.00	430.00	9.22	15.00	1502.00
5000.000	120.00	370.00	490.00	400.00	430.00	10.15	12.40	1502.00
5393.000	194.20	310.71	504.90	400.00	430.00	9.81	16.13	1502.00
5393.000	84.00	380.00	464.00	400.00	430.00	10.65	14.65	1502.00
* 5443.000	193.52	310.95	504.47	415.00	455.00	9.90	2.57	1502.00
* 5443.000	84.00	371.00	455.00	415.00	455.00	10.74	2.86	1502.00

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SECNO	TOPWID	SSTA	ENDST	STCHL	STCHR	CWSEL	10*KS	Q
5468.000	251.36	261.01	512.37	415.00	455.00	10.71	1.49	1502.00
5468.000	84.00	371.00	455.00	415.00	455.00	11.33	2.21	1502.00
* 5543.000	245.14	263.17	508.31	400.00	430.00	10.69	8.10	1502.00
* 5543.000	84.00	380.00	464.00	400.00	430.00	11.32	8.47	1502.00
* 8500.000	974.79	85.10	1059.89	369.00	400.00	11.50	1.03	1502.00
* 8500.000	310.00	230.00	540.00	369.00	400.00	12.36	1.47	1502.00
10543.000	1070.06	400.00	1470.06	987.00	1013.00	11.72	1.37	1502.00
10543.000	395.00	785.00	1160.00	987.00	1013.00	12.66	1.78	1502.00
10543.000	1065.25	400.00	1465.25	987.00	1013.00	11.75	2.24	1502.00

10543.000	395.00	785.00	1180.00	987.00	1013.00	12.70	2.71	1502.00
* 12173.000	717.31	312.81	1030.12	628.00	656.00	12.64	10.43	1502.00
* 12173.000	318.00	506.00	824.00	628.00	656.00	13.63	7.82	1502.00
* 12223.000	724.36	309.73	1034.09	640.00	656.00	12.73	1.11	1502.00
* 12223.000	318.00	506.00	824.00	640.00	656.00	13.70	1.01	1502.00
* 12377.000	727.47	308.38	1035.85	640.00	656.00	12.76	1.06	1502.00
* 12377.000	318.00	506.00	824.00	640.00	656.00	13.71	1.01	1502.00
* 12227.000	726.71	308.71	1035.42	628.00	656.00	12.75	9.90	1502.00
* 12227.000	318.00	506.00	824.00	628.00	656.00	13.70	8.62	1502.00
12327.000	732.31	306.26	1038.58	628.00	656.00	13.14	9.22	1502.00
12327.000	318.00	506.00	824.00	628.00	656.00	14.04	8.47	1502.00
12427.000	734.63	305.25	1039.88	628.00	656.00	13.23	8.24	1502.00
12427.000	318.00	506.00	824.00	628.00	656.00	14.13	7.56	1502.00
12950.000	915.99	159.65	1075.63	464.00	496.00	13.54	3.42	1353.00
12950.000	341.00	354.00	695.00	464.00	496.00	14.46	4.26	1353.00
12900.000	895.44	176.46	1071.90	464.00	496.00	13.90	4.42	1353.00
12900.000	341.00	364.00	705.00	464.00	496.00	14.88	4.80	1353.00
13200.000	889.64	181.20	1070.84	464.00	496.00	14.07	7.81	1353.00
13200.000	300.00	344.00	644.00	464.00	496.00	15.06	8.71	1353.00
* 15700.000	989.20	3866.55	4855.75	4387.00	4416.00	14.67	27.22	1353.00
* 15700.000	260.00	4240.00	4500.00	4387.00	4416.00	15.65	21.03	1353.00
* 16680.000	1096.26	3826.40	4922.66	4387.00	4416.00	16.23	9.07	1265.00
* 16680.000	290.00	4190.00	4480.00	4387.00	4416.00	17.15	10.28	1265.00
* 16730.000	999.50	3927.97	4927.48	4417.00	4442.50	16.27	.84	1265.00
* 16730.000	310.00	4170.00	4480.00	4417.00	4442.50	17.21	.81	1265.00

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SECNC	TOPWID	SSTA	ENDST	STCHL	STCHR	CWSEL	10*KS	Q
16750.000	1042.77	3907.67	4950.44	4417.00	4442.50	16.50	.59	1265.00
16750.000	310.00	4170.00	4480.00	4417.00	4442.50	17.23	.80	1265.00
* 16800.000	756.77	3910.99	4667.77	4387.00	4416.00	16.46	9.70	1265.00

* 16800.000	310.00	4170.00	4480.00	4387.00	4416.00	17.22	6.45	1265.00
* 17000.000	1138.84	3893.87	5032.71	4387.00	4416.00	16.66	4.07	1265.00
17000.000	320.00	4180.00	4500.00	4387.00	4416.00	17.37	6.20	1265.00
17700.000	1119.14	3915.97	5035.11	4387.00	4416.00	16.94	3.93	1265.00
17700.000	330.00	4250.00	4580.00	4387.00	4416.00	17.78	5.20	1265.00
18370.000	1033.01	4054.56	5087.57	4562.00	4588.00	17.13	1.82	920.00
18370.000	340.00	4420.00	4760.00	4562.00	4588.00	18.05	2.59	920.00
19270.000	1015.08	4067.00	5082.08	4562.00	4588.00	17.33	2.69	920.00
19270.000	340.00	4420.00	4760.00	4562.00	4588.00	18.31	3.31	920.00

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SUMMARY PRINTOUT

SECNO	Q	CWSEL	10*KS	TOPWID	SSTA	ENDST	STENCL	STENCR
1.000	2121.00	4.80	10.85	696.90	189.77	886.67	.00	.00
1.000	2121.00	5.50	10.49	414.00	216.00	730.00	316.00	730.00
500.000	2121.00	5.27	7.41	714.15	181.07	895.21	.00	.00
500.000	2121.00	5.97	7.78	414.00	316.00	730.00	316.00	730.00
1000.000	2121.00	5.60	5.75	726.56	174.81	901.36	.00	.00
1000.000	2121.00	6.35	7.29	364.00	366.00	730.00	366.00	730.00
2050.000	2121.00	6.24	6.53	665.93	175.28	841.21	.00	.00
2050.000	2121.00	7.03	5.76	364.00	366.00	730.00	366.00	730.00
2450.000	1502.00	6.48	5.47	508.20	287.40	795.60	.00	.00
2450.000	1502.00	7.25	5.55	210.00	390.00	600.00	390.00	600.00
3000.000	1502.00	6.82	7.60	431.56	389.14	820.69	.00	.00
3000.000	1502.00	7.60	9.68	130.00	420.00	550.00	420.00	550.00
4000.000	1502.00	7.79	12.99	309.19	333.28	642.47	.00	.00
4000.000	1502.00	8.77	14.11	120.00	370.00	490.00	370.00	490.00
4500.000	1502.00	6.47	15.11	295.81	236.68	532.49	.00	.00
4500.000	1502.00	9.47	14.01	120.00	370.00	490.00	370.00	490.00

5000.000	1502.00	9.22	15.03	268.76	285.62	554.38	.00	.00
5000.000	1502.00	10.15	12.40	120.00	370.00	490.00	370.00	490.00
5393.000	1502.00	9.81	16.13	194.20	310.71	504.90	.00	.00
5393.000	1502.00	10.65	14.65	84.00	380.00	464.00	380.00	464.00
* 5443.000	1502.00	9.90	2.57	193.52	310.95	504.47	.00	.00
* 5443.000	1502.00	10.74	2.86	84.00	371.00	455.00	371.00	455.00
5468.000	1502.00	10.71	1.49	251.36	261.01	512.97	.00	.00
5468.000	1502.00	11.33	2.21	84.00	371.00	455.00	371.00	455.00
* 5543.000	1502.00	10.69	8.10	245.14	263.17	508.31	.00	.00
* 5543.000	1502.00	11.32	8.47	84.00	380.00	464.00	380.00	464.00
* 8500.000	1502.00	11.50	1.03	974.79	85.10	1059.89	.00	.00
* 8500.000	1502.00	12.36	1.47	310.00	230.00	540.00	230.00	540.00
10343.000	1502.00	11.72	1.37	1070.06	400.00	1470.06	.00	.00
10343.000	1502.00	12.66	1.78	395.00	785.00	1180.00	785.00	1180.00
10543.000	1502.00	11.75	2.24	1065.25	400.00	1465.25	.00	.00
10543.000	1502.00	12.70	2.71	395.00	785.00	1180.00	785.00	1180.00

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SECNO	Q	CWSEL	10*KS	TOPWID	SSTA	ENDST	STENCL	STENCR
* 12773.000	1502.00	12.64	10.43	717.31	312.81	1030.12	.00	.00
* 12773.000	1502.00	13.63	7.82	318.00	506.00	824.00	506.00	824.00
* 12823.000	1502.00	12.73	1.11	724.36	309.73	1034.09	.00	.00
* 12823.000	1502.00	13.70	1.01	318.00	506.00	824.00	506.00	824.00
* 12877.000	1502.00	12.76	1.06	727.47	308.38	1035.85	.00	.00
* 12877.000	1502.00	13.71	1.01	318.00	506.00	824.00	506.00	824.00
* 12927.000	1502.00	12.75	9.90	726.71	308.71	1035.42	.00	.00
* 12927.000	1502.00	13.70	8.62	318.00	506.00	824.00	506.00	824.00
13327.000	1502.00	13.14	9.22	732.31	306.26	1038.58	.00	.00
13327.000	1502.00	14.04	8.47	318.00	506.00	824.00	506.00	824.00
13427.000	1502.00	13.23	8.24	734.63	305.25	1039.88	.00	.00
13427.000	1502.00	14.13	7.56	318.00	506.00	824.00	506.00	824.00

1350.000	1353.00	13.54	3.42	915.99	159.65	1075.63	.00	.00
1350.000	1353.00	14.46	4.26	341.00	354.00	695.00	354.00	695.00
1450.000	1353.00	13.90	4.42	895.44	176.46	1071.90	.00	.00
1450.000	1353.00	14.88	4.80	341.00	364.00	705.00	364.00	705.00
1520.000	1353.00	14.07	7.81	889.64	181.20	1070.84	.00	.00
1520.000	1353.00	15.06	8.71	300.00	344.00	644.00	344.00	644.00
* 15700.000	1353.00	14.67	27.22	989.20	3866.55	4855.75	.00	.00
* 15700.000	1353.00	15.65	21.03	260.00	4240.00	4500.00	4240.00	4500.00
* 16680.000	1265.00	16.23	9.07	1096.26	3826.40	4922.66	.00	.00
16680.000	1265.00	17.15	10.28	290.00	4190.00	4480.00	4190.00	4480.00
* 16730.000	1265.00	16.27	.84	999.50	3927.97	4927.48	.00	.00
* 16730.000	1265.00	17.21	.81	310.00	4170.00	4480.00	4170.00	4480.00
16750.000	1265.00	16.50	.59	1042.77	3907.67	4950.44	.00	.00
16750.000	1265.00	17.23	.80	310.00	4170.00	4480.00	4170.00	4480.00
* 16800.000	1265.00	16.46	9.70	756.77	3910.99	4667.77	.00	.00
* 16800.000	1265.00	17.22	6.45	310.00	4170.00	4480.00	4170.00	4480.00
* 17000.000	1265.00	16.66	4.07	1138.84	3893.87	5032.71	.00	.00
17000.000	1265.00	17.37	6.20	320.00	4180.00	4500.00	4180.00	4500.00
17700.000	1265.00	16.94	3.93	1119.14	3915.97	5035.11	.00	.00
17700.000	1265.00	17.78	5.20	330.00	4250.00	4580.00	4250.00	4580.00
18370.000	920.00	17.13	1.82	1033.01	4054.56	5087.57	.00	.00
18370.000	920.00	18.05	2.59	340.00	4420.00	4760.00	4420.00	4760.00

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SECNO	Q	CWSEL	10*KS	TOPWID	SSTA	ENDST	STENCL	STENCR
19270.000	920.00	17.33	2.69	1015.08	4067.00	5082.08	.00	.00
19270.000	920.00	18.31	3.31	340.00	4420.00	4760.00	4420.00	4760.00

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FLOODWAY DATA, 100-YR. MILLS BR.-JULY-9
 PROFILE NO. 2

STATION	WIDTH	FLOODWAY SECTION AREA	MEAN VELOCITY	WATER SURFACE ELEVATION		DIFFERENCE
				WITH FLOODWAY	WITHOUT FLOODWAY	
1.000	414.	1794.	1.2	5.5	4.8	.7
500.000	414.	1989.	1.1	6.0	5.3	.7
1000.000	364.	1914.	1.1	6.3	5.6	.7
2050.000	364.	2040.	1.0	7.0	6.2	.8
2450.000	210.	1257.	1.2	7.3	6.5	.8
3000.000	130.	796.	1.9	7.6	6.8	.8
4000.000	120.	762.	2.0	8.8	7.8	1.0
4500.000	120.	744.	2.0	9.5	8.5	1.0
5000.000	120.	784.	1.9	10.1	9.2	.9
5393.000	84.	620.	2.4	10.6	9.8	.8
5443.000	84.	548.	2.7	10.7	9.9	.8
5468.000	84.	597.	2.5	11.3	10.7	.6
5543.000	84.	638.	2.4	11.3	10.7	.6
8500.000	310.	1957.	.8	12.4	11.5	.9
10343.000	395.	2043.	.7	12.6	11.7	.9
10543.000	395.	2019.	.7	12.8	11.8	1.0
12773.000	318.	1230.	1.2	13.6	12.6	1.0
12823.000	318.	1236.	1.2	13.7	12.7	1.0
12877.000	318.	1237.	1.2	13.7	12.9	.8
12927.000	318.	1255.	1.2	13.7	12.8	.9
13327.000	318.	1263.	1.2	14.0	13.1	.9
13427.000	318.	1268.	1.2	14.1	13.2	.9
13950.000	341.	1522.	.9	14.4	13.5	.9
14900.000	341.	1457.	.9	14.9	13.9	1.0
15200.000	300.	1315.	1.0	15.1	14.1	1.0
15700.000	260.	840.	1.6	15.7	14.7	1.0
16680.000	290.	1112.	1.1	17.1	16.2	.9
16730.000	310.	1152.	1.1	17.2	16.3	.9
16750.000	310.	1156.	1.1	17.2	16.5	.7
16800.000	310.	1064.	1.2	17.3	16.5	.8
17000.000	320.	1168.	1.1	17.4	16.7	.7
17700.000	330.	1260.	1.0	17.7	16.9	.8
18370.000	340.	1351.	.7	18.0	17.1	.9
19270.000	340.	1330.	.7	18.3	17.3	1.0