

HFC2 VERS1N UPDATED JAN 1976
FIRST CORRECTIONS 51,53,54,55,56,57,58

1	80' EVAOD AC FIA	10
2	10 YEAR	15
3	UMAMI TOB DAVIDSON RIVER 11-16-76 SFA	
4	I-CHECK INC	
5	M INV	IDIP
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SUMMARY PRINTOUT FOR MULTIPLE PROFILES

DUKE DAVIDSON RIVER

SECTION NUMBER	CHANNEL LENGTH	WIN FL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CHSEL	TO	PERCENT	TOPWID	STENCL	STENCR	WSELK
0.in	0.0	0.0	0.0	2100.40	360.00	2104.55	25.78	0.0	16.46	0.0	0.0	2106.00
0.10	0.9	1.0	0.0	2100.49	565.00	2106.02	46.26	0.0	27.06	0.0	0.0	2106.50
0.10	0.0	0.0	0.0	2100.40	690.00	2107.85	112.61	0.0	675.91	0.0	0.0	2107.50
0.10	0.0	0.0	0.0	2100.40	550.00	2108.13	151.41	0.0	700.00	0.0	0.0	2108.00
0.19	30.00	2107.00	2104.40	2101.90	360.00	2107.24	76.82	0.0	283.90	0.0	0.0	0.0
0.19	30.00	2107.00	2104.40	2101.00	565.00	2107.59	101.46	0.0	598.20	0.0	0.0	0.0
0.10	10.00	2107.00	2104.40	2101.00	690.00	2108.20	201.49	0.0	700.00	0.0	0.0	0.0
0.10	30.90	2107.00	2104.40	2101.00	550.00	2108.42	257.82	0.0	700.00	0.0	0.0	0.0
0.10	10.00	0.0	0.0	2101.00	360.00	2107.27	81.94	0.0	314.78	0.0	0.0	0.0
0.10	10.00	0.0	0.0	2101.00	565.00	2107.65	126.10	0.0	612.18	0.0	0.0	0.0
0.10	10.00	0.0	0.0	2101.00	690.00	2108.21	206.60	0.0	700.00	0.0	0.0	0.0
0.25	730.00	0.0	0.0	2102.50	520.00	2108.80	188.38	0.0	277.41	0.0	0.0	0.0
0.25	730.00	0.0	0.0	2102.50	640.00	2108.57	212.69	0.0	283.80	0.0	0.0	0.0
0.25	730.00	0.0	0.0	2102.50	880.00	2109.34	271.67	0.0	295.94	0.0	0.0	0.0
0.41	800.00	0.0	0.0	2106.20	308.00	2110.66	35.44	0.0	119.99	0.0	0.0	0.0
0.41	800.00	0.0	0.0	2106.20	475.00	2111.24	61.28	0.0	183.13	0.0	0.0	0.0
0.41	800.00	0.0	0.0	2106.20	577.00	2111.41	12.58	0.0	220.63	0.0	0.0	0.0
0.41	800.00	0.0	0.0	2106.20	805.00	2111.63	85.35	0.0	262.24	0.0	0.0	0.0
0.60	1060.00	0.0	0.0	2110.80	270.00	2114.95	62.17	0.0	132.97	0.0	0.0	0.0
0.60	1060.00	0.0	0.0	2110.80	410.00	2115.38	88.07	0.0	143.92	0.0	0.0	0.0
0.60	1060.00	0.0	0.0	2110.80	500.00	2115.64	166.96	0.0	150.90	0.0	0.0	0.0
0.60	1060.00	0.0	0.0	2110.80	703.00	2116.20	154.91	0.0	303.43	0.0	0.0	0.0
0.60	40.00	0.0	0.0	2110.80	270.00	2115.03	66.37	0.0	134.88	0.0	0.0	0.0
0.60	40.00	0.0	0.0	2110.80	410.00	2115.47	94.20	0.0	146.26	0.0	0.0	0.0
0.60	40.00	0.0	0.0	2110.80	500.00	2115.74	112.85	0.0	153.29	0.0	0.0	0.0
0.60	40.00	0.0	0.0	2110.80	703.00	2116.29	164.26	0.0	320.73	0.0	0.0	0.0
0.76	750.00	2126.40	2124.10	2120.10	210.00	2127.15	101.61	0.0	312.23	0.0	0.0	0.0
0.76	750.00	2126.40	2124.10	2120.10	333.00	2127.40	140.77	0.0	356.18	0.0	0.0	0.0
0.76	750.00	2126.40	2124.10	2120.10	410.00	2127.49	60.67	0.0	376.86	0.0	0.0	0.0
0.76	750.00	2126.40	2124.10	2120.10	580.00	2127.69	111.77	0.0	398.66	0.0	0.0	0.0
0.76	10.00	0.0	0.0	2120.10	210.00	2127.13	60.22	0.0	309.00	0.0	0.0	0.0
0.76	10.00	0.0	0.0	2120.10	333.00	2127.38	75.69	0.0	352.20	0.0	0.0	0.0
0.76	10.00	0.0	0.0	2120.10	410.00	2127.49	60.67	0.0	372.67	0.0	0.0	0.0
0.76	10.00	0.0	0.0	2120.10	580.00	2127.69	111.77	0.0	398.66	0.0	0.0	0.0
0.95	1010.00	0.0	0.0	2134.40	155.00	2136.95	10.10	0.0	12.08	0.0	0.0	0.0
0.95	1010.00	0.0	0.0	2134.40	240.00	2137.58	16.08	0.0	13.35	0.0	0.0	0.0
0.95	1010.00	0.0	0.0	2134.40	310.00	2138.03	21.11	0.0	14.25	0.0	0.0	0.0
0.95	1010.00	0.0	0.0	2134.40	435.00	2139.15	40.86	0.0	91.53	0.0	0.0	0.0

SECTION	CHANNEL	MIN. EL. OF	MAX. EL. OF	MIN. EL.	DISCHARGE	CWSEL	TO	PERCENT	TOPWID	STENCL	STENCR	WSELK
NUMBER	LENGTH	RADWAY	LCH	CHORD	GROUND	(CFS)						
1.05	530.00	0.0	0.0	2142.10	100.00	2145.00	1114	0.0	13.94	0.0	0.0	0.0
1.05	530.00	0.0	0.0	2142.10	160.00	2145.71	1712	0.0	15.54	0.0	0.0	0.0
1.05	530.00	0.0	0.0	2142.10	210.00	2146.23	21.90	0.0	16.62	0.0	0.0	0.0
1.05	530.00	0.0	0.0	2142.10	300.00	2146.35	23.52	0.0	16.96	0.0	0.0	0.0
1.13	390.00	0.0	0.0	2157.00	100.00	2159.39	7.67	0.0	12.83	0.0	0.0	0.0
1.13	390.00	0.0	0.0	2157.00	160.00	2160.04	12.33	0.0	14.29	0.0	0.0	0.0
1.13	390.00	0.0	0.0	2157.00	210.00	2160.51	16.25	0.0	15.32	0.0	0.0	0.0
1.13	390.00	0.0	0.0	2157.00	300.00	2161.25	23.55	0.0	16.97	0.0	0.0	0.0
1.13	390.00	0.0	0.0	2158.00	300.00	2164.10	15.36	0.0	3.50	0.0	0.0	0.0
1.13	30.00	0.0	0.0	2158.00	100.00	2160.92	6.10	0.0	3.50	0.0	0.0	0.0
1.13	30.00	0.0	0.0	2158.00	160.00	2162.00	9.19	0.0	3.50	0.0	0.0	0.0
1.13	30.00	0.0	0.0	2158.00	210.00	2162.80	11.53	0.0	3.50	0.0	0.0	0.0
1.13	30.00	0.0	0.0	2158.00	300.00	2164.10	15.36	0.0	3.50	0.0	0.0	0.0
1.15	100.00	2175.00	2169.20	2164.60	100.00	2167.69	6.57	0.0	3.50	0.0	0.0	0.0
1.15	100.00	2175.00	2169.20	2164.60	160.00	2168.64	9.31	0.0	3.50	0.0	0.0	0.0
1.15	100.00	2175.00	2169.20	2164.60	210.00	2169.47	11.72	0.0	3.50	0.0	0.0	0.0
1.15	100.00	2175.00	2169.20	2164.60	300.00	2173.04	77.37	0.0	22.87	0.0	0.0	0.0
1.15	15.00	0.0	0.0	2164.60	100.00	2168.96	8.75	0.0	8.62	0.0	0.0	0.0
1.15	15.00	0.0	0.0	2164.60	160.00	2170.70	21.92	0.0	13.96	0.0	0.0	0.0
1.15	15.00	0.0	0.0	2164.60	210.00	2171.95	38.13	0.0	17.81	0.0	0.0	0.0
1.15	15.00	0.0	0.0	2164.60	300.00	2173.24	61.85	0.0	21.76	0.0	0.0	0.0
SECTION	RISCHARGE	CWSEL	CWSEL	CWSEL DIFF	CWSEL DIFF	CWSEL	TOPWID	T.H. DIFF	LENGTH			
NUMBER	CFS	EACH O.	EACH O.	EACH SECTION	EACH SECTION	EACH SECTION						
0.100	360.000	2104.543	0.0	0.0	0.0	16.462	0.0	0.0				
0.100	565.000	2106.016	1.468	0.0	0.0	27.061	210.599	0.0				
0.100	650.010	2107.854	1.839	0.0	0.0	675.813	-659.351	0.0				
0.100	550.000	2108.134	0.279	0.0	0.0	700.000	-683.538	0.0				
0.100	360.000	2107.236	0.0	2.688	0.0	283.900	0.0	30.000				
0.100	565.000	2107.587	0.351	1.571	0.0	599.196	-315.256	30.000				
0.100	650.000	2108.157	0.610	0.343	0.0	700.000	-416.100	30.000				
0.100	550.000	2108.418	0.221	0.284	0.0	700.000	-416.100	30.000				
0.150	260.000	2107.267	0.0	0.021	0.0	314.776	0.0	10.000				
0.100	565.000	2107.647	0.379	0.060	0.0	612.181	-297.405	10.000				
0.100	650.000	2108.213	0.566	0.016	0.0	700.000	-385.224	10.000				
0.100	550.000	2108.436	0.223	0.018	0.0	700.000	-385.224	10.000				
0.250	235.030	2108.264	0.0	0.956	0.0	268.070	0.0	730.000				
0.250	520.000	2108.759	0.536	1.153	0.0	277.406	-9.336	730.000				
0.250	640.000	2108.973	0.174	0.760	0.0	283.802	-15.732	730.000				
0.250	890.000	2109.344	0.371	0.968	0.0	295.944	-27.974	730.000				
0.410	360.000	2110.660	0.0	2.306	0.0	119.993	0.0	800.000				
0.410	475.000	2111.245	0.585	2.446	0.0	183.132	-63.139	800.000				
C.410	577.000	2111.414	0.169	2.441	0.0	220.625	-100.632	800.000				
0.410	895.000	2111.627	0.214	2.284	0.0	262.244	-142.251	800.000				
0.410	270.000	2114.954	0.0	4.264	0.0	132.968	0.0	1060.000				
0.600	410.000	2115.378	0.424	4.123	0.0	143.917	-10.949	1060.000				
0.600	500.100	2115.645	0.267	4.221	0.0	150.904	-17.936	1060.000				
0.600	703.300	2116.204	0.559	4.577	0.0	303.430	-170.462	1060.000				
0.600	210.000	2115.033	0.0	0.079	0.0	134.880	0.0	40.000				
0.600	410.000	2115.468	0.435	0.660	0.0	146.264	-11.394	40.000				
0.600	520.000	2115.736	0.269	0.661	0.0	153.292	-18.412	40.000				

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

C.M. TPR DAVIDSON RIVER

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSFL	TQ	PERENC	TOPWID	STENCL	STENCR	WSELK
0.10	0.0	0.0	0.0	2100.40	690.00	2107.85	113.06	0.0	675.00	0.0	0.0	2107.85
0.10	0.0	0.0	0.0	2100.40	690.00	2108.85	171.67	200.00	200.00	250.00	450.00	2108.85
0.10	30.00	2107.00	2104.40	2101.00	690.00	2108.31	226.63	0.0	700.00	0.0	0.0	0.0
0.10	30.00	2107.00	2104.40	2101.00	690.00	2108.93	227.86	200.00	200.00	250.00	450.00	0.0
0.10	10.00	0.0	0.0	2101.00	690.00	2108.32	230.56	0.0	700.00	0.0	0.0	0.0
0.10	10.00	0.0	0.0	2101.00	690.00	2108.94	229.48	200.00	200.00	250.00	450.00	0.0
0.25	730.00	0.0	0.0	2102.50	640.00	2108.98	214.92	0.0	284.76	0.0	0.0	0.0
0.25	730.00	0.0	0.0	2102.50	640.00	2109.58	238.74	150.00	150.00	125.00	275.00	0.0
0.41	800.00	0.0	0.0	2106.20	577.00	2111.41	72.51	0.0	220.41	0.0	0.0	0.0
0.41	800.00	0.0	0.0	2106.20	577.00	2111.36	62.16	105.00	105.00	170.00	275.00	0.0
0.60	1060.00	0.0	0.0	2110.80	500.00	2115.66	106.66	0.0	151.31	0.0	0.0	0.0
0.60	1060.00	0.0	0.0	2110.80	500.00	2116.39	103.61	305.00	295.13	80.00	385.00	0.0
0.60	40.00	0.0	0.0	2110.80	500.00	2115.75	113.57	0.0	153.71	0.0	0.0	0.0
0.60	40.00	0.0	0.0	2110.80	500.00	2116.50	113.63	305.00	301.61	80.00	385.00	0.0
0.76	750.00	2126.40	2124.10	2120.10	410.00	2128.28	376.01	0.0	459.34	0.0	0.0	0.0
0.76	750.00	2126.40	2124.10	2120.10	410.00	2128.26	210.79	155.00	155.00	475.00	630.00	0.0
0.76	10.00	0.0	0.0	2120.10	410.00	2128.28	201.89	0.0	459.45	0.0	0.0	0.0
0.76	10.00	0.0	0.0	2120.10	410.00	2128.25	118.09	155.00	155.00	475.00	630.00	0.0
0.95	1010.00	0.0	0.0	2134.40	310.00	2135.03	21.04	0.0	14.23	0.0	0.0	0.0
0.95	1010.00	0.0	0.0	2134.40	310.00	2138.02	20.93	40.00	14.22	110.00	150.00	0.0
1.05	530.00	0.0	0.0	2142.10	210.00	2146.20	21.97	0.0	16.64	0.0	0.0	0.0
1.05	530.00	0.0	0.0	2142.10	210.00	2146.21	22.07	50.00	16.66	125.00	175.00	0.0
1.13	790.00	0.0	0.0	2157.00	210.00	2160.51	16.25	0.0	15.32	0.0	0.0	0.0
1.13	790.00	0.0	0.0	2157.00	210.00	2160.51	16.28	50.00	15.33	125.00	175.00	0.0
1.13	30.00	0.0	0.0	2158.00	210.00	2162.80	11.53	0.0	3.50	0.0	0.0	0.0
1.13	30.00	0.0	0.0	2158.00	210.00	2162.80	11.53	50.00	3.50	125.00	175.00	0.0
1.15	100.00	2175.00	2169.20	2164.60	210.00	2169.47	11.72	0.0	3.50	0.0	0.0	0.0
1.15	100.00	2175.00	2169.20	2164.60	210.00	2169.47	11.73	50.00	3.50	125.00	175.00	0.0
1.15	15.00	0.0	0.0	2164.60	210.00	2171.95	38.13	0.0	17.81	0.0	0.0	0.0
1.15	15.00	0.0	0.0	2164.60	210.00	2171.95	38.12	50.00	17.81	125.00	175.00	0.0
SECTION NUMBER	DISCHARGE CFS	CWSFL	CWSFL DIFF EACH Q	CWSFL DIFF EACH SECTION	CWSFL DIFF CWSEL-WSELK	CWSEL	TOPWID	T.W. DIFF	LENGTH			
0.100	690.000	2107.849	0.0	0.0	675.000	0.0	0.0	0.0	0.0			
0.100	690.000	2108.849	1.000	0.0	199.999	475.001	0.0	0.0	0.0			
0.100	690.000	2108.313	0.0	0.463	0.0	700.000	0.0	0.0	30.000			
0.100	690.000	2108.926	0.614	0.077	0.0	199.999	500.001	0.0	30.000			
0.100	690.000	2108.324	0.0	0.011	0.0	700.000	0.0	0.0	10.000			

DATA FDP LAST CROSS SECTION PROFILE	TYPE ENCL	TARGET	TOP WIDTH	TOP WIDTH	AREA-AACRES	AREA-DIFF
1	0.00	0.0	29.411	0.0		
2	1.000	50.000	16.878	-12.533		

HFC2 VERSION UPDATED AUG 1976
HFC2 CORRECTIONS 01,02,03,04,05,06,07,08,09,10

SPECIFICATIONS 52,53,54,55,56,57,58,59

J1	ICHECK	INC	MINV	DATE	STRT	METRIC	HWINS	0	WSEL	FQ
J2	APRFF	IPMT	PREFS	XSECV	XSECH	FA	ALLOC	IBH	CHNM	ITRACE
NC	0.000	34.000	36.000	4.000	27.000	28.000	9.000	0.0	0.0	0
OT	4.000	690.000	690.000	C.100	0.500	0.3	0.0	0.0	0.0	25
ST	0.0	0.0	4.100	250.000	450.000	0.0	0.0	0.0	0.0	0
X1	0.100	23.300	348.000	356.000	0.0	0.0	0.0	0.0	0.0	65
X2	0.0	0.0	1.000	2104.400	2107.000	0.0	0.0	0.0	0.0	115
BT	23.000	0.0	214C.000	0.0	20.000	21.400	0.0	10.000	2140.000	0.0
BT	200.000	2145.000	0.0	230.000	2140.000	0.0	230.000	2107.500	0.0	300.000
BT	2107.400	0.0	326.000	21C9.000	0.0	334.000	2107.300	0.0	348.000	2107.300
BT	0.0	349.000	2107.300	2104.300	356.000	2107.300	2104.300	356.000	2107.300	0.0
BT	370.000	2107.300	0.0	395.000	2107.200	0.0	400.000	2107.200	0.0	470.000
BT	2107.300	0.0	470.000	2140.000	0.0	522.000	2140.000	0.0	600.000	2140.000
BT	0.0	650.000	2140.000	0.0	700.000	2140.000	0.0	750.000	2140.000	0.0
BT	2111.500	0.0	2107.000	0.0	2107.200	100.000	2107.500	200.000	2107.400	250.000
GR	2107.300	271.000	30C.000	326.000	2107.400	334.000	2103.700	348.000	348.000	170
SP	2107.300	350.000	352.000	2101.300	355.000	2101.600	356.000	2102.900	356.000	175
SP	2107.300	370.000	2107.200	395.000	400.000	2107.100	465.000	2107.200	518.000	180
SP	2107.200	522.000	2107.800	600.000	650.000	2107.300	650.000	2111.000	700.000	185
FT	0.0	0.0	4.100	25C.000	450.000	0.0	0.0	0.0	0.0	0
NC	0.100	0.0	0.0	10.000	10.000	10.000	0.0	0.0	0.0	160
OT	0.000	3.050	0.035	C.100	0.500	0.0	0.0	0.0	0.0	190
ST	4.000	640.000	640.000	640.000	0.0	0.0	0.0	0.0	0.0	0
ST	0.0	4.100	125.000	275.000	0.0	0.0	0.0	0.0	0.0	0
ST	0.250	17.000	254.000	264.000	730.000	730.000	730.000	0.0	-3.700	0.0
ST	714.323	16.000	2111.000	2111.000	100.000	2109.800	200.000	2111.000	229.000	205

ETL 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

X1 1.130 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

X2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 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 0.0 0.0 0.0 0.0 0.0 0.0 0.0

SM 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

ST 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

ET 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

X1 1.130 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

X2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 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 0.0 0.0 0.0 0.0 0.0 0.0 0.0

PT 16.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

PT 89.000 2175.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

PT 2176.200 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

PT 165.000 2176.500 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

PT 259.000 2180.400 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

PT 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

X1 1.150 15.000 137.000 165.000 15.000 15.000 15.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0

GR 2185.000 0.0 2175.700 50.000 2175.700 59.000 2174.600 99.000 2174.600 137.000 165.000 275.000 520.000 50.000

GR 2167.000 148.000 2164.600 148.000 2164.600 151.500 2167.600 151.500 2176.600 165.000 275.000 515.000 515.000 515.000

GR 2177.630 235.000 240.000 2180.400 259.000 2179.000 262.000 2185.500 0.0 0.0 0.0 0.0 0.0 0.0

EJ 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0