HydroWorks(tm) SIM

Summary results from Simulation

Version 5.1.075 dated September 2000

Licence Number - WS04140001PM

Message 253: Run finished for event 1.

Summary results for event 1 - mfut3+etiage
Started at 00000000000000. Run for 280.00 min. (Requested simulation time 280.00 min)

Files used:
Network: ...\mfut3.dsd Mende
State:
Runoff: ...\rur6.rpf Default Runoff Parameters File for HydroWorks v2.2 and later
Rainfall: ...\p1015.red
DWF: ...\mende.wwg
Inflows:
Levels: ...\etiage2f.lev etiage .
RTC:
Results: ...\r0000156.spr

Using Desbordes runoff routing model.

Total rainfall = 388104.7 m3
Total runoff = 175314.3 m3
Total inflow = 200853.8 m3
Total outflow = 150630.3 m3
Total lost = 18293.4 m3

********** Node data **********

Node Reference	Ground Level (m AD)	Max Level (m AD)	Flood Volume (m3)	Flood Depth (m)	Flood Area (m2)	Max Stored (m3)	Inflow (m3)	Vol Balance (m3)
w1	701.840	702.490	1377.9	0.650	6258.7	1383.7	168.0	0.000
w3	704.430	704.051	0.0	0.000	0.0	2.4	168.0	0.000
w4	706.870	706.005	0.0	0.000	0.0	2.2	67.2	0.000
w4a	705.150	705.971	2317.7	0.821	8423.5	2318.8	67.2	0.000
w4b	705.150	705.284	12.0	0.134	250.2	13.1	67.2	0.000
w4c	705.150	706.182	5351.9	1.032	15518.2	5353.3	67.2	0.000
dow4	706.870	705.997	0.0	0.000	0.0	1.8	67.2	0.000
bassin	705.000	705.679	1108.7	0.679	4885.1	5961.8	16.8	0.000
ebassin	704.670	705.186	680.7	0.516	3881.2	684.1	67.2	0.000
w5	707.460	706.482	0.0	0.000	0.0	1.9	67.2	0.000
w6	708.360	707.269	0.0	0.000	0.0	1.5	67.2	0.000
w7	708.460	707.410	0.0	0.000	0.0	1.5	67.2	0.000
w8	709.470	707.798	0.0	0.000	0.0	1.3	67.2	0.000
w9	709.950	709.495	0.0	0.000	0.0	4.2	67.2	0.000
w10	709.460	709.460	1032.6%%	0.000	0.0	2.6	0.0	0.000
w101	830.000	829.569	0.0	0.000	0.0	0.6	489.7	0.000
w11	712.190	709.534	0.0	0.000	0.0	2.6	84.0	0.000
w111	714.430	714.510	2.6	0.081	85.0	4.2	2138.6	0.000
dow111	714.430	714.430	13.7%%	0.000	0.0	1.6	0.0	0.000
w112	723.500	722.020	0.0	0.000	0.0	0.0	0.0	0.000
w12	711.520	709.602	0.0	0.000	0.0	1.9	0.0	0.000
sw1	711.690	709.603	0.0	0.000	0.0	1.6	319.2	0.000
dosw1	711.690	708.915	0.0	0.000	0.0	0.9	0.0	0.000
edosw1	711.000	708.747	0.0	0.000	0.0	1.4	0.0	0.000
sw2	711.640	709.373	0.0	0.000	0.0	0.8	223.7	0.000
dosw2	711.640	709.70	0.0	0.000	0.0	0.7	0.0	0.000
sw3	714.390	714.896	444.5	0.506	2585.3	446.3	1640.7	0.000
sw4	711.260	710.487	0.0	0.000	0.0	1.8	16.8	0.000
sw5	711.170	711.252	3.6	0.082	117.6	5.8	1426.1	0.000
dosw5	711.170	710.761	0.0	0.000	0.0	1.5	16.8	0.000
sw6	712.210	711.560	0.0	0.000	0.0	3.7	16.8	0.000
sw7	724.790	725.111	147.1	0.321	1334.5	149.5	2253.3	0.000
sw8	712.210	711.760	0.0	0.000	0.0	2.0	668.9	0.000
sw9	723.650	722.301	0.0	0.000	0.0	2.3	16.8	0.000
sw10	728.030	725.866	0.0	0.000	0.0	0.6	1044.6	0.000
sw11	737.000	732.465	0.0	0.000	0.0	0.6	16.8	0.000
sw12	752.180	748.842	0.0	0.000	0.0	0.2	346.6	0.000
nw1	711.390	710.012	0.0	0.000	0.0	1.7	0.0	0.000
nw2	710.230	710.230	1850.4%%	0.000	0.0	1.6	559.3	0.000
nw3	711.690	711.301	0.0	0.000	0.0	2.4	1061.5	0.000
nw3am	711.690	711.690	60.7%%	0.000	0.0	1.2	0.0	0.000
donw3am	711.690	709.908	0.0	0.000	0.0	0.2	0.0	0.000
nw4	731.450	729.278	0.0	0.000	0.0	0.2	553.9	0.000
nw5	711.280	711.280	117.5%%	0.000	0.0	1.9	0.0	0.000
nw6	712.430	712.124	0.0	0.000	0.0	2.5	6.7	0.000
n1	714.790	713.943	0.0	0.000	0.0	0.6	1704.4	0.000
don1	714.790	713.219	0.0	0.000	0.0	1.3	0.0	0.000
n2av	716.000	714.256	0.0	0.000	0.0	0.3	0.0	0.000
n2	717.730	715.069	0.0	0.000	0.0	1.0	97.9	0.000

dc	717.7[illegible]	[illegible]001	0.0[illegible]	.00[illegible]	.0	[illegible]	0.[illegible]	[illegible].00[illegible]
n3	716.160	715.076	0.0	0.000	0.0	0.8	67.2	0.000
n4	716.840	715.690	0.0	0.000	0.0	0.0	67.2	0.000
nn1	718.950	717.208	0.0	0.000	0.0	0.3	646.0	0.000

Node Reference	Ground Level (m AD)	Max Level (m AD)	Flood Volume (m3)	Flood Depth (m)	Flood Area (m2)	Max Stored (m3)	Inflow (m3)	Vol Balance (m3)
nn2	738.000	738.000	18.7%%	0.000	0.0	1.0	0.0	0.000
nn3	746.000	746.321	113.8	0.321	1032.6	114.8	248.4	0.000
nn4	752.000	752.328	125.7	0.328	1115.5	126.7	1834.5	0.000
ne1	723.150	721.899	0.0	0.000	0.0	0.3	0.0	0.000
ne2	736.260	736.564	99.1	0.304	947.9	100.2	736.9	0.000
ne3	750.000	749.205	0.0	0.000	0.0	0.2	0.0	0.000
ne4	753.850	752.445	0.0	0.000	0.0	0.2	0.0	0.000
ne5	790.000	789.214	0.0	0.000	0.0	0.2	426.5	0.000
s0	714.350	712.269	0.0	0.000	0.0	2.6	0.0	0.000
s1	714.210	712.340	0.0	0.000	0.0	1.3	16.8	0.000
s2	714.550	712.417	0.0	0.000	0.0	0.6	333.6	0.000
dos2	714.550	712.073	0.0	0.000	0.0	0.3	0.0	0.000
s3	713.920	713.211	0.0	0.000	0.0	0.3	67.2	0.000
s4	721.720	717.874	0.0	0.000	0.0	0.3	22.8	0.000
dos4	721.720	717.770	0.0	0.000	0.0	0.1	0.0	0.000
s5	714.460	712.432	0.0	0.000	0.0	2.1	170.3	0.000
dos5	714.460	711.802	0.0	0.000	0.0	2.3	0.0	0.000
s6	714.800	713.224	0.0	0.000	0.0	1.4	524.5	0.000
s7	715.400	713.607	0.0	0.000	0.0	1.8	52.8	0.000
s8	714.840	713.961	0.0	0.000	0.0	1.5	16.8	0.000
s9	722.720	723.382	983.1	0.662	4388.7	984.5	2615.0	0.000
s10	722.450	721.098	0.0	0.000	0.0	0.1	67.2	0.000
se1	715.530	714.302	0.0	0.000	0.0	1.8	630.1	0.000
dose1	715.530	714.290	0.0	0.000	0.0	1.4	0.0	0.000
se2	721.560	717.476	0.0	0.000	0.0	0.4	733.4	0.000
se3	733.000	731.461	0.0	0.000	0.0	0.1	13.9	0.000
se4	716.380	714.757	0.0	0.000	0.0	2.0	339.5	0.000
se5	717.010	715.009	0.0	0.000	0.0	2.0	0.0	0.000
se6	728.680	729.339	741.4	0.659	2000.0	743.4	16.8	0.000
dose6	728.680	729.341	1278.8	0.661	3324.0	1285.4	416.3	0.000
se7	736.910	737.356	321.8	0.446	2117.9	323.3	1061.0	0.000
se8	742.930	743.112	22.8	0.182	354.9	24.2	632.2	0.000
se9	744.900	743.227	0.0	0.000	0.0	0.2	651.6	0.000
e1	715.740	715.422	0.0	0.000	0.0	1.9	314.2	0.000
e2	719.630	720.419	1674.4	0.789	6288.5	1675.9	1835.2	0.000
doe2	719.630	720.421	3115.1	0.791	10000.0	3118.0	67.2	0.000
e3	716.340	716.690	158.8	0.350	1323.9	160.4	974.9	0.000
e3am	760.000	760.255	117.5	0.255	1330.8	121.3	19644.7	0.000
e4	718.160	718.160	27.0%%	0.000	0.0	1.6	0.0	0.000
e5	721.220	719.337	0.0	0.000	0.0	2.5	0.0	0.000
doe5	721.220	718.708	0.0	0.000	0.0	1.6	0.0	0.000
e6	725.710	724.229	0.0	0.000	0.0	0.1	127.4	0.000
e7	733.000	729.696	0.0	0.000	0.0	0.5	2015.3	0.000
pw01	706.000	707.114	13829.9	1.114	20000.0	13840.7	67.2	0.000
pw01am	707.150	707.150	8486.7%%	0.000	0.0	4.8	0.0	0.000
pw02	760.000	759.682	0.0	0.000	0.0	1.5	30674.6	0.000
pw02b	765.000	759.996	0.0	0.000	0.0	0.8	4103.3	0.000
pw03	830.000	829.899	0.0	0.000	0.0	0.4	1816.2	0.000
pw04	875.000	875.635	878.6	0.635	4088.0	879.6	3704.3	0.000
pw05	880.000	879.840	0.0	0.000	0.0	0.3	2232.1	0.000
pw06	820.000	819.759	0.0	0.000	0.0	0.3	1241.1	0.000
pw2	711.720	710.886	0.0	0.000	0.0	0.2	379.9	0.000
pw31	722.000	722.731	1417.6	0.731	5741.1	1418.7	5883.2	0.000

Node Reference	Ground Level (m AD)	Max Level (m AD)	Flood Volume (m3)	Flood Depth (m)	Flood Area (m2)	Max Stored (m3)	Inflow (m3)	Vol Balance (m3)
pw3	715.960	716.562	797.2	0.602	3907.0	798.3	168.0	0.000
pw4	711.300	711.759	359.8	0.459	2298.9	360.9	168.0	0.000
pw5	708.440	709.118	1106.7	0.678	4869.2	1107.7	67.2	-0.001
pw71	731.000	730.269	0.0	0.000	0.0	0.3	1609.9	0.000
pw73	830.000	830.518	480.0	0.518	2727.7	481.0	2305.0	0.000
pw9	723.500	722.711	0.0	0.000	0.0	0.2	598.5	0.000
psw1	720.120	718.167	0.0	0.000	0.0	0.1	67.2	0.0[illegible]
psw2	714.970	713.906	0.0	0.000	0.0	0.7	2305.9	0.000
psw5	711.380	711.681	102.7	0.301	988.6	103.6	664.6	0.000
pnn0	790.000	789.289	0.0	0.000	0.0	0.7	4749.1	0.000
pnn1	773.000	773.404	230.9	0.404	1672.8	231.9	1627.2	0.000
pnn2	762.000	761.117	0.0	0.000	0.0	2.1	2378.0	0.000
pnn3	752.000	752.271	76.4	0.271	815.8	77.5	1168.0	0.000
pne1	779.000	778.267	0.0	0.000	0.0	0.3	782.9	0.000
pne2	775.000	775.503	467.3	0.503	2732.1	468.4	2526.7	0.000
pne3	750.000	749.174	0.0	0.000	0.0	0.2	67.2	0.000
pne5	810.000	810.027	0.2	0.027	18.9	1.7	4824.6	0.000
pc1	737.000	737.422	327.9	0.422	2276.6	329.6	3080.3	0.000
pc2	723.650	722.105	0.0	0.000	0.0	0.6	913.4	0.000
pc3	732.700	731.521	0.0	0.000	0.0	0.0	33.6	0.000
pc4	724.480	722.940	0.0	0.000	0.0	1.1	1250.8	0.000
pc5	712.210	712.307	5.8	0.097	161.5	7.2	752.0	0.000
pc5do	712.210	711.767	0.0	0.000	0.0	2.2	503.2	0.000
pc6do	711.930	711.552	0.0	0.000	0.0	4.8	0.0	0.000
pc7	717.530	717.807	141.2	0.277	1474.3	144.2	672.2	0.000
pc9	729.840	728.127	0.0	0.000	0.0	0.7	2225.0	0.000
pselam	762.230	763.455	11775.8	1.225	28735.2	11777.7	36327.4	0.000
psel	762.230	762.832	1247.2	0.602	6738.3	1249.1	1518.7	0.000
pse3	743.790	742.571	0.0	0.000	0.0	0.2	591.0	0.000
pse4	739.860	740.043	7.0	0.183	99.2	11.5	516.6	0.000

ps	6.4	134	0.0	000	.0		90.	.000	
pse5av	716.410	714.191	0.0	0.000	0.0	3.6	67.2	0.000	
pe2am	750.000	748.150	0.0	0.000	0.0	0.2	0.0	0.000	
pe2	750.000	748.150	0.0	0.000	0.0	0.2	796.3	0.000	
pe32am	750.000	750.000	6060.1%%	0.000	0.0	1.3	13533.3	0.000	
pe32	750.000	750.000	282.5%%	0.000	0.0	1.3	3238.7	-1.017	
pe31	740.000	729.392	0.0	0.000	0.0	0.8	573.3	0.000	
pe5	721.650	721.650	343.5%%	0.000	0.0	2.8	2527.3	0.000	
pe6	725.070	724.761	0.0	0.000	0.0	1.8	1512.6	0.000	

A %% indicates water lost from the system.

********** Link data **********

Link Reference	D/S Node	Pipe Len (m)	Pipe Hgt (mm)	Sed Dpth (mm)	P.Full Flow (m3/s)	Upstream Invert Level (m AD)	Upstream Max Depth (m)	Upstream Max Flow (m3/s)	Upstream Max Vel (m/s)	Total Flow (m3)	Downstream Invert Level (m AD)	Downstream Max Depth (m)	Downstream Max Flow (m3/s)	Downstream Max Vel (m/s)	Total Flow (m3)
pe2am.1	pe2	1	500	0	0.000	748.000	0.150	0.000	-0.007	0.0	748.000	0.150	0.000	-0.010	0.0
pe2.1	pe1	205	500	0	1.345	748.000	0.150	0.239	4.822	796.3	716.600	0.150	0.239	4.820	796.3
pe32am.1	pe32	1	500	0	0.000	749.000	1.058	0.830	4.019	7473.1+	749.000	1.045	0.830	4.134	7473.1+
pe32.1	pe31	190	500	0	1.115	749.000	0.747	1.101	6.336	10430.3x	729.000	0.450	1.100	6.334	10430.1
pe31.1	pe3	235	800	0	2.764	729.000	0.392	1.305	5.333	11003.4	716.600	0.392	1.305	5.332	11003.1
pe6.1	pe5	130	500	0	0.595	723.350	1.091	0.494	3.576	1512.6x	719.450	2.278	0.494	2.236	1512.6x
pe5.1	pe4	55	500	0	0.725	719.450	2.075	0.933	4.266	3696.4+	717.000	0.450	0.932	5.008	3696.4
e6.1	e5	235	400	0	0.290	724.110	0.119	0.055	1.757	127.4	718.620	0.717	0.056	1.041	127.4x
e7.1	e5	140	1000	0	7.741	729.500	0.196	0.896	4.578	2015.3	718.620	0.718	0.890	1.260	2015.3
e5.1	e4	245	300	0	0.074	718.320	1.011	0.069	1.195	671.6x	716.570	1.599	0.060	0.741	671.5x
e5.2	doe5					718.660	0.677	0.883		1471.1	718.660	0.048	0.883		1471.1
doe5.1	edoe5	15	600	0	1.108	717.590	0.408	0.883	4.352	1471.1	717.000	0.408	0.883	4.348	1471.1
e4.1	e3	230	300	100	0.046	716.570	1.583	0.054	0.985	644.5+	714.840	1.851	0.062	1.290	644.5+
e3.1	e1	115	400	0	0.131	714.840	1.829	0.210	1.488	1619.4+	714.290	1.133	0.210	1.566	1619.4+
e2.1	e1	160	300	0	0.136	718.130	2.044	0.157	2.182	1961.9+	714.290	1.153	0.157	2.315	1961.5+
e2.2	doe2					718.230	2.189	1.006		-126.7	718.230	2.191	1.006		-126.7
doe2.1	edoe2	240	800	0	1.759	718.130	1.913	1.946	4.031	19583.5+	713.000	0.720	1.946	4.083	19581.1
e3am.1	doe2	270	800	0	4.624	758.000	1.643	4.636	10.277	19644.7+	718.130	2.304	4.499	8.324	19643.1x
e1.1	se5	120	600	0	0.331	714.090	1.254	0.293	1.080	3377.8x	713.670	1.347	0.294	0.975	3368.3x
e1.2	edoe1	25	400	0	0.131	714.920	0.386	0.165	1.322	517.2	714.800	0.295	0.164	1.657	517.2
se8.1	se7	85	300	0	0.234	741.520	1.343	0.226	3.753	632.2x	735.510	1.869	0.223	3.665	632.2x
se9.1	se7	95	400	0	0.533	743.020	0.203	0.274	4.274	651.6	735.510	1.848	0.430	3.463	651.3x
se7.1	se6	140	400	0	0.473	735.510	1.522	1.803	154.53	2344.5+	726.780	2.559	0.450	3.12	2339.6x
se6.1	se5	270	250	0	0.109	726.780	2.515	0.126	2.494	1706.4+	715.870	0.225	0.118	2.540	1693.0
se6.2	dose6					727.000	2.339	0.255		-34.5	727.000	2.341	0.255		-34.5
pselam.1	pse1	5	800	0	0.000	761.200	1.998	2.934	5.444	32067.4+	761.200	1.686	2.934	5.497	32065.7+
pse1.1	pse4	270	800	0	3.564	761.200	0.557	2.900	7.869	33127.7	737.510	2.617	2.900	6.061	33054.6x
pse3.1	pse4	60	500	0	0.980	742.390	0.181	0.272	4.244	591.0	737.510	2.533	0.272	1.326	590.2x
pse4.1	dose6	175	800	0	3.189	737.510	2.274	2.929	7.046	34160.4x	725.220	4.146	2.929	5.113	34082.7x
dose6.1	pse5	290	800	0	2.423	725.220	3.901	2.703	5.497	33282.7+	713.460	1.026	2.703	5.177	33151.7+
pse5.1	pse5av	22	2000	0	8.486	713.460	0.973	3.106	3.664	34139.8	713.200	0.991	3.106	3.673	34126.8
pse5av.1	pse6	18	2000	0	8.228	713.200	0.991	3.224	3.645	33813.3	713.000	0.991	3.224	3.645	33803.0
se5.1	se4	25	600	0	0.461	713.670	1.233	0.411	1.371	5060.9x	713.500	1.270	0.411	1.370	5057.9x
se4.1	se1	150	1000	0	-0.209	713.500	1.243	0.590	1.134	5397.0x	713.550	0.752	0.586	1.834	5379.1
se3.1	se2	100	500	0	1.175	731.410	0.051	0.001	0.079	13.9	719.720	0.051	0.001	0.079	13.9
se2.1	se1	200	500	0	0.433	717.160	0.297	0.287	2.363	747.3	713.990	0.313	0.286	2.354	747.3
se1.1	s8	60	1300	0	1.129	713.350	0.947	1.054	1.878	7104.1	713.170	0.803	1.051	2.347	7094.0
se1.2	dose1					713.450	0.852	-0.142		-348.2	713.450	0.840	-0.142		-348.2
dose1.1	pse5av	175	600	0	0.164	713.350	0.926	-0.142	-0.505	-348.8x	713.200	0.992	-0.142	-0.482	-378.8x
s8.1	s7	35	1000	0	1.582	713.170	0.776	1.052	2.918	7110.4	712.500	1.113	1.050	2.026	7105.8x
s7.1	s6	30	1000	0	0.295	712.500	1.074	1.053	2.046	7158.0+	712.480	0.804	1.053	2.570	7153.0
s6.1	s5	80	1300	0	2.439	712.480	0.743	1.194	2.981	7677.1	711.360	1.073	1.192	1.809	7665.4
s5.1	s1	95	500	0	-0.111	711.360	1.068	0.135	0.663	1430.3x	711.460	0.881	0.133	1.330	1422.2x
s5.2	dos5					711.860	0.572	1.098		6404.8	711.860	0.000	1.098		6404.8
dos5.1	edos5	40	1800	0	9.925	711.360	0.442	1.098	2.264	6404.6	711.000	0.600	1.098	1.479	6403.9
s9.1	s4	100	300	0	0.120	721.270	1.847	0.162	1.964	2308.4+	719.420	0.270	0.162	2.416	2301.8
s10.1	s4	85	800	0	1.717	721.050	0.048	0.004	0.330	67.2	719.320	0.048	0.004	0.330	67.2
s4.1	s3	130	400	0	0.364	717.700	0.174	0.142	2.711	2056.4	712.900	0.311	0.142	1.404	2050.9
s4.2	dos4					717.800	0.074	0.025		335.2	717.800	0.000	0.025		335.2
dos4.1	edos4	210	800	0	2.149	717.700	0.070	0.025	1.168	335.1	711.000	0.600	0.025	0.062	332.6
s3.1	s2	100	400	0	0.175	712.900	0.283	0.146	1.543	2117.9	712.050	0.373	0.147	1.570	2110.7
s2.1	s1	70	500	0	0.287	711.950	0.465	0.157	1.330	2237.1	711.460	0.881	0.157	1.258	2228.1x
s2.2	dos2					712.270	0.147	0.128		207.1	712.270	0.000	0.128		207.1

Link Reference	D/S Node	Pipe Len (m)	Pipe Hgt (mm)	Sed Dpth (mm)	P.Full Flow (m3/s)	Upstream Invert Level (m AD)	Upstream Max Depth (m)	Upstream Max Flow (m3/s)	Upstream Max Vel (m/s)	Total Flow (m3)	Downstream Invert Level (m AD)	Downstream Max Depth (m)	Downstream Max Flow (m3/s)	Downstream Max Vel (m/s)	Total Flow (m3)
dos2.1	edos2	5	1000	0	4.200	711.900	0.173	0.128	3.387	207.1	711.000	0.600	0.128	0.514	207.1
s1.1	s0	12	600	0	1.310	711.460	0.831	0.241	3.189	3666.5x	710.800	1.472	0.241	2.961	3663.4x
s0.1	nw6	25	500	0	0.119	710.500	1.716	0.226	1.061	3433.7+	710.470	1.659	0.226	1.065	3431.6+
s0.2	nw6	25	500	400	0.007	710.500	1.767	0.016	0.330	228.1+	710.470	1.654	0.016	0.483	226.7+
sw12.1	sw11	245	300	0	0.210	748.640	0.194	0.156	3.241	346.6	734.630	0.194	0.156	3.238	346.6
sw11.1	sw10	200	300	0	0.146	731.870	0.547	0.154	2.359	363.4+	726.370	0.270	0.146	2.334	363.4
sw10.1	sw9	200	1000	0	5.074	725.660	0.206	0.631	2.556	1408.0	721.530	0.771	0.625	0.676	1408.0
sw9.1	esw9	230	800	0	2.810	722.040	0.261	0.626	4.406	1424.8	709.500	0.260	0.625	4.403	1424.8
sw8.1	sw6	15	600	0	0.353	710.360	1.361	0.572	1.900	3590.9+	710.300	1.265	0.572	1.907	3590.9+
sw8.2	pc5do					710.610	1.150	-0.405		-2922.0	710.610	1.157	-0.405		-2922.0
sw6.1	sw5	115	600	0	0.414	710.300	1.245	0.380	1.429	3202.9x	709.670	1.582	0.380	1.284	3202.8x
sw6.2	pc6do					709.050	2.510	0.287		404.8	709.050	2.502	0.287		404.8
sw7.1	sw5	400	500	0	0.625	722.920	2.109	0.730	3.648	2253.3+	709.670	1.590	0.646	3.077	2253.2+
sw5.1	sw4	130	600	0	0.314	709.640	1.595	0.421	1.382	3837.9+	709.230	1.259	0.421	1.401	3837.1+
sw5.2	dosw5					710.140	1.112	1.158		3044.3	710.140	0.621	1.158		3044.3
dosw5.1	pc6	10	500	0	0.889	709.570	0.925	1.159	5.586	3061.1+	708.900	0.450	1.159	6.226	3061.1
pc1.1	pc2	430	500	0	0.619	735.660	1.680	0.718	3.607	3080.3+	721.700	0.450	0.643	3.583	3080.2

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pc4.1	pc2	25	500	0	0.401	722.040	0.804	0.571	2.767	1284.4+	721.700	0.450	0.571	3.066	1284.4
pc2.1	pc5	170	500	0	0.853	721.700	0.360	0.743	4.909	2590.8	711.210	1.109	0.740	3.535	2590.7x
pc2.2	pc7	120	600	0	1.224	721.700	0.386	0.910	4.729	2687.3	715.940	1.872	0.901	2.938	2687.3x
pc9.1	pc7	400	800	0	2.067	727.740	0.387	0.953	3.959	2225.0	715.940	1.869	0.939	1.752	2224.9x
pc7.1	pc8	95	800	0	1.197	715.940	1.776	1.739	3.246	5584.4+	715.000	0.720	1.739	3.649	5584.3
pc5.1	pc5do	10	600	0	0.000	711.210	0.938	1.077	3.630	3342.7+	711.210	0.563	1.079	4.026	3342.7
pc5do.1	pc6do	20	800	0	1.424	711.210	0.549	1.035	2.855	923.9	710.930	0.623	1.033	2.491	923.9
pc6do.1	pc6	140	800	0	1.449	710.930	0.603	1.318	3.291	1328.7	708.900	0.599	1.309	3.276	1328.7
sw4.1	sw1	150	600	0	0.384	709.230	1.237	0.422	1.405	3853.8+	708.520	1.085	0.422	1.414	3844.9+
sw3.1	sw2	210	300	0	0.121	712.590	2.275	0.142	1.932	1640.7+	708.640	0.736	0.142	1.873	1640.5+
sw2.1	sw1	40	400	0	0.090	708.610	0.764	-0.141	-1.065	-1978.5x	708.520	1.073	-0.141	-1.045	-1978.5x
sw2.2	dosw2					709.210	0.163	0.386		3842.7	709.210	0.000	0.386		3842.7
dosw2.1	edosw1	10	500	0	0.108	708.410	0.556	0.386	1.898	3842.5+	708.400	0.422	0.386	2.184	3841.9
sw1.1	w12	40	600	0	0.265	708.520	1.083	-0.127	-0.429	-1216.5x	708.430	1.172	-0.127	-0.427	-1216.5x
sw1.2	dosw1					709.340	0.263	0.401		3401.7	709.340	0.000	0.401		3401.7
dosw1.1	edosw1	30	600	0	0.586	708.330	0.575	0.401	1.437	3401.6	708.000	0.749	0.401	1.362	3399.6x
edosw1.1	nedosw1	145	800	0	1.341	708.300	0.446	0.785	2.730	7241.2	706.500	0.801	0.783	1.545	7234.1x
psw1.1	psw2	165	800	0	2.009	718.120	0.047	0.004	0.342	67.2	713.520	0.386	0.007	0.207	67.2
psw2.1	nedosw1	170	800	0	2.102	713.520	0.386	0.966	4.023	2373.1	708.330	0.385	0.962	4.017	2373.1
psw5.1	psw4	355	400	0	0.040	710.540	1.136	0.101	0.745	664.6+	710.380	0.230	0.101	1.358	664.4
n4.1	n3	70	500	0	0.448	715.650	0.040	0.004	0.547	67.2	714.460	0.615	-0.022	0.210	67.2x
n4.2	edon4	50	300	0	0.127	716.540	0.020	0.000	0.000	0.0	715.500	0.020	0.000	0.000	0.0
n3.1	n2	95	500	0	0.169	714.460	0.615	0.021	0.419	134.4x	714.230	0.839	0.047	0.408	134.3x
pne1.1	pne2	75	400	0	0.438	778.000	0.256	0.319	3.761	782.9	774.000	1.504	0.317	2.303	782.9x
pne2.1	pne3	325	400	0	0.526	774.000	1.365	0.559	4.759	3309.6+	749.000	0.360	0.534	4.753	3309.6
pne3.1	pne4	50	400	0	1.456	749.000	0.173	0.538	10.332	3376.8	719.500	0.173	0.538	10.332	3376.8
pne5.1	pne6	260	600	0	1.898	809.000	0.531	1.822	7.506	4824.6	779.000	0.499	1.803	7.489	4824.6
ne5.1	ne4	575	300	0	0.221	789.000	0.201	0.173	3.449	426.5	752.750	0.199	0.172	3.448	426.4
ne4.1	ne3	40	300	0	0.251	752.250	0.185	0.172	3.786	426.4	749.000	0.206	0.172	3.395	426.4
ne4.2	edone4	25	200	0	0.343	752.600	0.020	0.000	0.000	0.0	719.500	0.020	0.000	0.000	0.0
ne3.1	ne2	200	300	0	0.231	749.000	0.194	0.172	3.558	426.4	735.240	1.326	0.171	2.168	426.4x
ne2.1	ne1	165	300	0	0.253	735.200	1.261	0.267	4.062	1163.3+	721.560	0.349	0.259	3.897	1163.3+
ne1.1	n2	75	300	0	0.275	721.560	0.235	0.259	4.405	1163.3	714.230	0.849	0.260	3.464	1163.3x
pnn0.1	pnn2	175	500	0	3.173	789.000	0.283	1.336	4.726	4749.1	761.000	0.283	1.336	4.726	4748.8
pnn1.1	pnn2	150	300	0	0.238	772.000	1.311	0.256	3.817	1627.2+	761.000	0.270	0.247	3.811	1627.2

Link Reference	D/S Node	Pipe Len (m)	Pipe Hgt (mm)	Sed Dpth (mm)	Upstream P.Full Flow (m3/s)	Upstream < Invert Level (m AD)	Upstream Max Depth (m)	Upstream Max Flow (m3/s)	Upstream Max Vel (m/s)	Downstream > Total Flow (m3)	Downstream < Invert Level (m AD)	Downstream Max Depth (m)	Downstream Max Flow (m3/s)	Downstream Max Vel (m/s)	Downstream > Total Flow (m3)
pnn2.1	edonw4	150	200	0	6.857	761.000	0.109	2.393	5.506	8754.0	731.250	0.109	2.393	5.506	8753.8
pnn3.1	pnn4	285	400	0	0.625	751.000	1.085	0.642	5.565	2250.2+	720.000	0.360	0.619	5.549	2250.2
nn4.1	nn3	135	200	0	0.063	751.000	1.299	0.062	2.234	752.3x	745.000	1.324	0.062	1.951	752.3x
nn4.2	pnn3					751.100	1.228	0.486		1082.2	751.100	1.171	0.486		1082.2
nn3.1	nn2	150	200	0	0.069	745.000	1.285	0.069	2.448	1000.6x	737.000	1.028	0.098	2.739	1000.6+
nn2.1	nn1	400	200	0	0.067	737.000	0.985	0.068	2.373	981.9+	716.950	0.263	0.067	2.372	981.9+
nn1.1	n2	40	400	0	0.492	716.930	0.260	0.374	4.313	1627.9	714.230	0.847	0.373	2.791	1627.9x
n2.1	n2av	35	300	0	0.076	714.230	0.813	0.131	1.720	1569.8+	713.970	0.287	0.131	1.881	1569.8
n2.2	don2					714.630	0.439	0.510		1453.7	714.630	0.371	0.510		1453.7
don2.1	edon2	10	500	0	0.000	713.930	0.682	0.510	2.489	1453.7+	713.930	0.450	0.510	2.742	1453.7
n2av.1	n1	80	300	0	0.075	713.970	0.283	0.067	1.196	1030.3	713.390	0.554	0.068	1.306	1030.2x
n2av.2	en2av					714.100	0.156	0.077		539.5	714.100	0.000	0.077		539.5
n1.1	nw6	270	200	0	0.031	713.390	0.549	0.030	1.103	395.6x	710.470	1.654	0.027	0.802	392.9x
n1.2	don1					713.470	0.473	0.714		2339.0	713.470	0.000	0.714		2339.0
don1.1	edon1	10	500	0	0.000	712.190	0.901	0.714	3.446	2339.0+	712.190	0.450	0.714	3.836	2339.0
nw6.1	nw5	225	600	150	0.171	710.390	1.725	0.265	1.069	4056.5+	709.990	1.315	0.265	1.443	4031.4+
nw5.1	nw3	95	600	0	0.287	709.990	1.314	0.265	1.002	3913.1x	709.740	1.561	0.265	0.896	3897.7x
nw4.1	nw3am	50	600	0	3.378	729.150	0.128	0.264	6.012	553.9	710.870	0.848	0.264	0.893	553.9x
nw4.2	edonw4					729.550	0.000	0.000		0.0	729.550	0.000	0.000		0.0
nw3am.1	nw3	140	150	0	0.013	710.870	0.840	0.011	0.806	142.1x	709.620	1.681	0.011	0.539	141.2x
nw3am.2	donw3am					711.440	0.271	0.126		351.1	711.440	0.000	0.126		351.1
donw3am.1	edonw3a	10	400	0	0.349	709.740	0.168	0.126	2.510	351.1	709.400	0.168	0.126	2.509	351.1
nw3.1	nw2	140	600	0	0.164	709.740	1.540	0.471	1.552	5099.8+	709.620	0.684	0.472	1.615	5078.5+
nw2.1	nw1	140	600	50	0.247	709.140	1.155	0.248	0.863	3786.3+	708.830	1.183	0.248	0.862	3774.0+
nw1.1	w12	250	600	0	0.223	708.830	1.175	0.248	0.830	3773.1+	708.430	1.173	0.248	0.833	3770.6+
w12.1	w11	115	1000	200	0.570	708.430	1.170	0.234	0.499	2553.8x	708.060	1.475	0.234	0.494	2549.9x
pw9.1	pw10	165	400	0	0.455	722.500	0.210	0.246	3.684	598.5	713.000	0.209	0.245	3.682	598.4
w112.1	w111	160	400	0	0.452	722.000	0.020	0.000	0.000	0.0	712.900	1.610	0.034	0.250	0.5x
w111.1	w11	70	200	0	0.052	712.860	1.438	0.064	1.844	624.8+	710.740	0.180	0.064	2.166	624.8
w111.2	dow111					712.960	1.550	0.751		1514.2	712.960	1.486	0.751		1514.2
dow111.1	pw10	10	400	0	0.393	712.930	1.282	0.695	5.70	1500.5+	712.500	0.360	0.695	5.835	1500.5
pw73.1	pw72	525	300	0	0.243	829.000	1.427	0.257	3.893	2305.0+	789.000	0.270	0.244	3.885	2305.0
pw71.1	pw8	285	500	0	0.976	730.000	0.266	0.537	5.063	1609.9	707.000	0.266	0.536	5.059	1609.9
w11.1	w10	60	1000	0	0.489	707.920	1.612	0.304	0.578	3258.4x	707.810	1.703	0.304	0.577	3258.2x
w101.1	w10	1600	300	0	0.242	829.000	0.184	0.164	3.643	489.7	707.810	1.704	0.163	1.999	489.3x
w10.1	w9	80	1000	0	1.219	707.810	1.702	0.177	0.337	2714.6x	706.900	2.595	0.177	0.328	2714.4x
w9.1	w8	190	500	200	0.041	706.900	2.581	0.181	1.170	2781.3+	706.790	1.010	0.181	1.692	2780.2+
w8.1	w7	170	500	0	0.197	706.790	0.986	0.185	1.077	2846.6x	706.230	1.182	0.184	0.905	2841.7x
w7.1	w6	60	500	0	0.154	706.230	1.175	0.188	0.929	2908.0+	706.110	1.160	0.188	1.018	2906.6+
w6.1	w5	325	500	0	0.188	706.100	1.151	0.192	1.043	2972.9+	705.130	1.354	0.190	1.556	2958.1+
w5.1	w4	190	500	0	0.199	704.930	1.546	0.194	1.151	3023.9x	704.290	1.716	0.189	1.181	3014.2x
pw31.1	pw3	70	400	0	0.557	721.000	0.856	0.525	5.026	5883.2x	714.960	1.786	0.758	5.374	5881.6+
pw3.1	pw4	80	400	0	0.457	714.960	1.008	0.431	4.118	6029.1x	710.300	1.513	0.431	3.550	6020.1x
pw4.1	pw5	45	400	0	0.478	710.300	0.937	0.406	4.104	5827.3x	707.440	1.730	0.406	2.940	5822.3x
pw5.1	pw6	115	400	0	0.276	707.440	1.339	0.326	2.498	4781.9+	705.000	0.360	0.326	2.733	4771.1
pw2.1	pw1	215	400	0	0.335	710.720	0.166	0.117	2.379	379.9	704.000	0.165	0.117	2.377	379.9
pw06.1	pw02	800	500	0	1.663	819.500	0.259	0.425	2.939	1241.1	759.300	0.383	0.425	1.702	1240.9
pw05.1	pw02	1300	500	0	1.843	879.500	0.333	0.782	3.715	2232.1	759.300	0.384	0.781	3.208	2231.9
pw04.1	pw03	310	300	0	0.333	874.000	1.467	0.340	5.334	3704.3+	829.500	0.423	0.708	9.627	3704.3+
pw03.1	pw02	800	500	0	1.796	829.500	0.380	0.993	3.838	5520.5	759.300	0.384	0.990	3.835	5520.2
pw02b.1	pw02	5	700	0	23.782	759.800	0.196	1.622	3.630	4103.3	759.300	0.382	1.620	1.669	4103.3
pw02.1	pw01am	200	700	0	38.754	759.300	0.377	9.853	8.691	43770.9	706.190	1.028	9.850	3.810	43738.2x
pw01am.1	pw01	12	750	0	11.295	706.190	0.959	6.364	5.216	35247.8x	705.110	2.006	6.363	4.602	35232.8x

Link Reference	D/S Node	Pipe Len (m)	Pipe Hgt (mm)	Sed Dpth (mm)	P.Full Flow (m3/s)	Upstream < Invert Level (m AD)	Max Depth (m)	Max Flow (m3/s)	Max Vel (m/s)	Total Flow (m3) >	Downstream < Invert Level (m AD)	Max Depth (m)	Max Flow (m3/s)	Max Vel (m/s)	Total Flow (m3) >
pw01.1	ebassin	90	600	0	0.707	703.810	2.959	0.744	2.561	10977.2+	702.370	2.848	0.744	2.337	10964.6+
ebassin.1	ebass2	100	600	0	0.340	702.370	2.741	0.884	2.776	13327.0+	702.000	0.540	0.884	3.296	13323.2
w4.1	w4a	10	880	0	0.000	704.270	1.723	0.477	0.637	6181.1+	704.270	1.702	0.477	0.637	6174.5+
w4a.1	w4b					704.270	1.701	0.264		3923.3	704.270	1.014	0.264		3923.3
w4b.1	w3	210	500	0	0.322	704.270	0.984	0.268	1.821	3977.7x	702.430	1.622	0.259	1.651	3951.4x
w4.2	dow4					704.550	1.455	0.305		4165.9	704.550	1.447	0.305		4165.9
dow4.1	bassin	10	400	0	0.170	704.270	1.681	0.309	2.205	4231.7+	704.190	1.493	0.309	2.229	4231.5+
bassin.1	ebassin	40	400	0	0.437	704.500	1.159	0.204	2.911	2982.1x	702.370	2.818	0.204	1.392	2978.4x
w4.3	w4c					704.650	1.355	-0.606		-7267.2	704.650	1.532	-0.606		-7267.2
w4c.1	pw01	10	600	0	0.790	704.200	2.034	-1.020	-3.312	-12553.2x	704.000	2.502	-1.020	-3.245	-12556.2x
w3.1	w1	665	600	0	0.388	702.430	1.613	0.269	1.474	4117.4x	699.230	3.261	0.268	1.354	3986.5x
w1.1	step					698.000	4.490	0.042		705.6	698.000	0.000	0.042		705.6
w1.2	step					698.500	3.990	0.125		2066.0	698.500	0.000	0.125		2066.0

+ after total flow indicates a pipe/channel surcharged by flow and depth at that end.
x after total flow indicates a pipe/channel surcharged by depth only at that end.

NOTE :
(i) maximum elevations, depths, volumes, velocities and discharges are selected from the values at each time increment and will be in general more extreme than the maximum values in the hydrograph files.
(ii) maximum elevations, velocities and discharges are not necessarily calculated at the same time.
(iii) max. velocity is not calculated for a pipe if either the water level does not exceed 5% of the pipe depth or the discharge is less than 0.001 m3/s.

End of run 15 mins (elapsed) Produced on 21/05/2001 Last page