

HydroWorks(tm) SIM

Summary results from Simulation

Version 5.1.075 dated September 2000

Licence Number - WS04140001PM

Message 253: Run finished for event 1.

Mende Event - 1 WS04140001PM Produced 21/05/2001 Pg 1

Summary results for event 1 - mactu3+etiage
 Started at 00000000000000. Run for 300.00 min. (Requested simulation time 300.00 min)

Files used:
 Network: ... \mactu3.dsd Mende
 State:
 Runoff: ... \rur6.rpf Default Runoff Parameters File for HydroWorks v2.2 and later
 Rainfall: ... \p1015.red
 DWF: ... \mende.wwg
 Inflows:
 Levels: ... \etiage2.lev etiage
 RTC:
 Results: ... \r0000154.spr

Using Desbordes runoff routing model.

Total rainfall = 393391.3 m3
 Total runoff = 203152.5 m3
 Total inflow = 204622.2 m3
 Total outflow = 126901.9 m3
 Total lost = 30112.6 m3

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***** 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	702.454	1156.8	0.614	5561.8	1162.6	0.0	0.000
w3	704.430	703.981	0.0	0.000	0.0	2.3	0.0	0.000
w4	706.870	706.084	0.0	0.000	0.0	2.3	0.0	0.000
w4a	705.150	706.030	2855.7	0.880	9688.4	2856.8	0.0	0.000
w4b	705.150	705.282	11.6	0.132	245.1	12.8	0.0	0.000
w4c	705.150	706.231	5302.1	1.081	10000.0	5303.4	0.0	0.000
dow4	706.870	706.080	0.0	0.000	0.0	1.9	0.0	0.000
bassin	705.000	705.963	2525.3	0.963	5000.0	7378.4	0.0	0.000
ebassin	704.670	704.757	1.7	0.087	47.1	5.0	0.0	0.000
w5	707.460	706.489	0.0	0.000	0.0	1.9	0.0	0.000
w6	708.360	707.191	0.0	0.000	0.0	1.4	0.0	0.000
w7	708.460	707.323	0.0	0.000	0.0	1.4	0.0	0.000
w8	709.470	707.706	0.0	0.000	0.0	1.1	0.0	0.000
w9	709.950	709.466	0.0	0.000	0.0	4.1	0.0	0.000
w10	709.460	709.460	1128.7	0.000	0.0	2.6	0.0	0.000
w101	830.000	829.554	0.0	0.000	0.0	0.6	416.8	0.000
w11	712.190	709.610	0.0	0.000	0.0	2.7	90.0	0.000
w111	714.430	714.503	1.9	0.073	67.4	3.5	1904.7	0.000
dow111	714.430	714.430	9.4	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	709.834	0.0	0.000	0.0	2.2	0.0	0.000
sw1	711.690	709.919	0.0	0.000	0.0	1.4	359.4	0.000
dosw1	711.690	709.915	0.0	0.000	0.0	2.3	0.0	0.000
sw2	711.640	709.390	0.0	0.000	0.0	0.8	209.8	0.000
dosw2	711.640	709.090	0.0	0.000	0.0	0.9	0.0	0.000
sw3	714.390	714.887	427.0	0.497	2524.1	428.8	1475.9	0.000
sw4	711.260	710.710	0.0	0.000	0.0	2.2	0.0	0.000
sw5	711.170	711.464	133.6	0.294	1316.5	135.8	2227.4	0.000
dosw5	711.170	711.048	0.0	0.000	0.0	1.8	0.0	0.000
sw6	712.210	711.935	0.0	0.000	0.0	4.2	0.0	0.000
sw7	724.790	725.112	150.6	0.322	1358.6	152.9	2253.5	0.000
sw8	712.210	712.204	0.0	0.000	0.0	3.5	664.5	0.000
sw9	723.650	721.405	0.0	0.000	0.0	0.8	0.0	0.000
sw10	728.030	725.868	0.0	0.000	0.0	0.6	1172.7	0.000
sw11	737.000	731.954	0.0	0.000	0.0	0.3	0.0	0.000
sw12	752.180	748.772	0.0	0.000	0.0	0.2	316.7	0.000
nw1	711.390	710.092	0.0	0.000	0.0	1.8	0.0	0.000
nw2	710.230	710.230	1854.3	0.000	0.0	1.6	501.0	0.000
nw3	711.690	711.246	0.0	0.000	0.0	2.4	847.8	0.000
nw3am	711.690	711.690	4343.6	0.000	0.0	1.2	0.0	0.000
donw3am	711.690	709.923	0.0	0.000	0.0	0.2	0.0	0.000
nw4	731.450	730.231	0.0	0.000	0.0	19.3	498.2	0.000
nw5	711.280	711.280	78.0	0.000	0.0	1.9	0.0	0.000
nw6	712.430	712.224	0.0	0.000	0.0	2.7	117.0	0.000
n1	714.790	713.986	0.0	0.000	0.0	0.6	1931.3	0.000
don1	714.790	713.364	0.0	0.000	0.0	1.5	0.0	0.000
n2	717.730	715.111	0.0	0.000	0.0	1.1	104.9	0.000
don2	717.730	715.046	0.0	0.000	0.0	1.4	0.0	0.000
n3	716.160	715.119	0.0	0.000	0.0	0.8	0.0	0.000

node	7/84	7/15	1.0	0.000	0	0.1	0.000
nn1	718.950	717.208	0.0	0.000	0.0	0.3	645.9
nn2	738.000	738.000	25.5%	0.000	0.0	1.0	0.0
nn3	746.000	746.345	140.1	0.345	1190.5	141.1	216.7

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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)
nn4	752.000	752.639	889.1	0.639	4109.4	890.1	1614.4	0.000
ne1	723.150	721.902	0.0	0.000	0.0	0.3	0.0	0.000
ne2	736.260	736.555	91.4	0.295	897.7	92.4	639.0	0.000
ne3	750.000	749.203	0.0	0.000	0.0	0.2	0.0	0.000
ne4	753.850	752.440	0.0	0.000	0.0	0.2	0.0	0.000
ne5	790.000	789.208	0.0	0.000	0.0	0.2	362.9	0.000
s0	714.350	712.383	0.0	0.000	0.0	2.7	0.0	0.000
s1	714.210	712.535	0.0	0.000	0.0	1.6	0.0	0.000
s2	714.550	712.726	0.0	0.000	0.0	1.1	1709.7	0.000
dos2	714.550	712.243	0.0	0.000	0.0	0.5	0.0	0.000
s3	713.920	713.224	0.0	0.000	0.0	0.5	0.0	0.000
s4	721.720	717.935	0.0	0.000	0.0	0.4	24.5	0.000
s5	714.460	712.570	0.0	0.000	0.0	2.3	110.5	0.000
dos5	714.460	711.861	0.0	0.000	0.0	2.6	0.0	0.000
s6	714.800	713.366	0.0	0.000	0.0	1.7	471.9	0.000
s7	715.400	714.011	0.0	0.000	0.0	2.4	0.0	0.000
s8	714.840	714.916	3.8	0.076	132.2	7.0	0.0	0.000
s9	722.720	723.368	931.6	0.648	4245.8	933.0	2447.6	0.000
s10	722.450	721.090	0.0	0.000	0.0	0.1	0.0	0.000
se1	715.530	715.281	0.0	0.000	0.0	3.7	832.0	0.000
se2	721.560	720.485	0.0	0.000	0.0	4.2	1110.2	0.000
se3	733.000	731.461	0.0	0.000	0.0	0.1	14.9	0.000
se4	716.380	715.638	0.0	0.000	0.0	3.4	368.6	0.000
se5	717.010	715.847	0.0	0.000	0.0	3.2	225.4	0.000
se6	728.680	729.658	1086.8	0.978	1500.0	1088.8	0.0	0.000
dose6	728.680	729.661	1836.5	0.981	2493.0	1843.2	388.2	0.000
se7	736.910	737.405	443.3	0.495	2632.2	444.8	1267.5	0.000
se8	742.930	743.112	23.0	0.182	359.3	24.4	626.3	0.000
se9	744.900	743.242	0.0	0.000	0.0	0.2	710.0	0.000
e1	715.740	716.108	250.6	0.368	1989.9	253.0	322.2	0.000
e2	719.630	719.069	0.0	0.000	0.0	1.4	1689.7	0.000
e3	716.340	717.386	3957.3	1.046	9477.0	3958.9	868.3	0.000
e3am	716.340	718.133	19447.7	1.793	32352.4	19449.2	24818.9	0.000
e4	718.160	718.160	269.5%	0.000	0.0	1.6	0.0	0.000
e5	721.220	719.336	0.0	0.000	0.0	2.5	0.0	0.000
doe5	721.220	718.706	0.0	0.000	0.0	1.6	0.0	0.000
e6	725.710	724.227	0.0	0.000	0.0	0.1	110.5	0.000
e7	733.000	729.696	0.0	0.000	0.0	0.5	2015.6	0.000
pw01	706.000	707.120	8223.8	1.120	10000.0	8234.7	0.0	0.000
pw01am	707.150	707.150	14464.3%	0.000	0.0	4.8	0.0	0.000
pw02	760.000	759.697	0.0	0.000	0.0	1.6	34893.5	0.000
pw02b	765.000	759.995	0.0	0.000	0.0	0.8	3697.8	0.000
pw03	830.000	829.805	0.0	0.000	0.0	0.3	787.4	0.000
pw04	875.000	875.422	264.1	0.422	1834.5	265.1	2007.3	0.000
pw05	880.000	879.753	0.0	0.000	0.0	0.3	1209.6	0.000
pw06	820.000	819.673	0.0	0.000	0.0	0.2	538.3	0.000
pw2	711.720	710.882	0.0	0.000	0.0	0.2	305.2	0.000
pw31	722.000	722.650	1001.3	0.650	4553.5	1002.4	4464.0	0.000
pw3	715.960	716.479	515.4	0.519	2921.3	516.5	0.0	0.000
pw4	711.300	711.661	177.6	0.361	1436.0	178.7	0.0	0.000
pw5	708.440	709.038	762.9	0.598	3792.8	763.9	0.0	0.000
pw71	731.000	730.263	0.0	0.000	0.0	0.3	1375.7	0.000
pw73	830.000	830.505	448.6	0.505	2613.1	449.6	2011.3	0.000

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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)
pw9	723.500	722.708	0.0	0.000	0.0	0.2	530.6	0.000
psw1	720.120	718.160	0.0	0.000	0.0	0.1	0.0	0.000
psw2	714.970	713.915	0.0	0.000	0.0	0.8	2034.6	0.000
psw5	711.380	711.674	96.4	0.294	951.8	97.3	576.3	0.000
pnn0	790.000	789.267	0.0	0.000	0.0	0.7	3894.5	0.000
pnn1	773.000	773.394	277.7	0.394	1602.1	216.7	1410.9	0.000
pnn2	762.000	761.109	0.0	0.000	0.0	1.9	2061.9	0.000
pnn3	752.000	751.200	0.0	0.000	0.0	0.2	808.2	0.000
pne1	779.000	778.242	0.0	0.000	0.0	0.3	643.3	0.000
pne2	775.000	775.463	368.6	0.463	2337.2	369.6	2075.7	0.000
pne3	750.000	749.174	0.0	0.000	0.0	0.2	0.0	0.000
pne5	810.000	809.983	0.0	0.000	0.0	1.4	4297.1	0.000
pc1	737.000	737.529	643.1	0.529	3576.1	644.8	3680.4	0.000
pc2	723.650	722.109	0.0	0.000	0.0	0.6	891.9	0.000
pc3	732.700	731.510	0.0	0.000	0.0	0.0	0.0	0.000
pc4	724.480	722.923	0.0	0.000	0.0	1.1	1170.7	0.000
pc5	712.210	712.497	122.3	0.287	1233.6	123.8	717.1	0.000
pc5do	712.210	712.199	0.0	0.000	0.0	3.1	470.7	0.000
pc6do	711.930	711.930	0.9%	0.000	0.0	5.5	0.0	0.000
pc7	717.530	717.811	150.4	0.281	1547.0	153.5	663.2	0.000
pc9	729.840	728.125	0.0	0.000	0.0	0.7	2074.7	0.000
pse1	762.230	762.888	1669.4	0.658	8196.1	1671.4	1352.7	0.000
pse1am	762.230	763.569	15379.0	1.339	34353.8	15381.0	41179.9	0.000
pse3	743.790	742.598	0.0	0.000	0.0	0.3	659.9	0.000
pse4	739.860	740.433	676.3	0.573	2316.0	680.8	541.1	0.000
pse5	716.410	714.429	0.0	0.000	0.0	3.6	923.3	0.000
pe2am	750.000	748.139	0.0	0.000	0.0	0.2	0.0	0.000
pe2	750.000	748.139	0.0	0.000	0.0	0.2	538.3	0.000
pe32am	750.000	750.000	7309.6%	0.000	0.0	1.3	14389.2	0.000
pe32	750.000	750.000	399.9%	0.000	0.0	1.3	3443.3	-0.013

+ 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

29 mins (elapsed)

Produced on 21/05/2001 Last page