

Continuous Simulation using SWMM 5 LID and Groundwater Features in a Linked 1D/2D Network using InfoSWMM 2D for a 50 Year Period

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	Volume acre-feet	Depth inches
Runoff Quantity Continuity		
Total Precipitation	11546.074	2247.770
Evaporation Loss	532.405	103.648
Infiltration Loss	8350.530	1625.667
Surface Runoff	2688.941	523.478
Final Surface Storage	0.025	0.005
Continuity Error (%)	-0.224	

	Volume acre-feet	Depth inches
Groundwater Continuity		
Initial Storage	29.954	59.997
Infiltration	626.077	1254.003
Upper Zone ET	41.826	83.776
Lower Zone ET	230.438	461.557
Deep Percolation	426.705	854.670
Groundwater Flow	-84.524	-169.297
Final Storage	29.270	58.626
Continuity Error (%)	1.877	

	Volume acre-feet	Volume 10 <sup>6</sup> gal
Flow Routing Continuity		
Dry Weather Inflow	1536.255	500.612
Wet Weather Inflow	2688.945	876.233
Groundwater Inflow	-84.524	-27.543
RDII Inflow	0.000	0.000
External Inflow	30.240	9.854
External Outflow	4154.414	1353.778
Internal Outflow	9.259	2.691
Storage Losses	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.001	0.000
Continuity Error (%)	0.198	

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2di Initial condition file loaded

Total 2d simulation time (s) : 83.6295

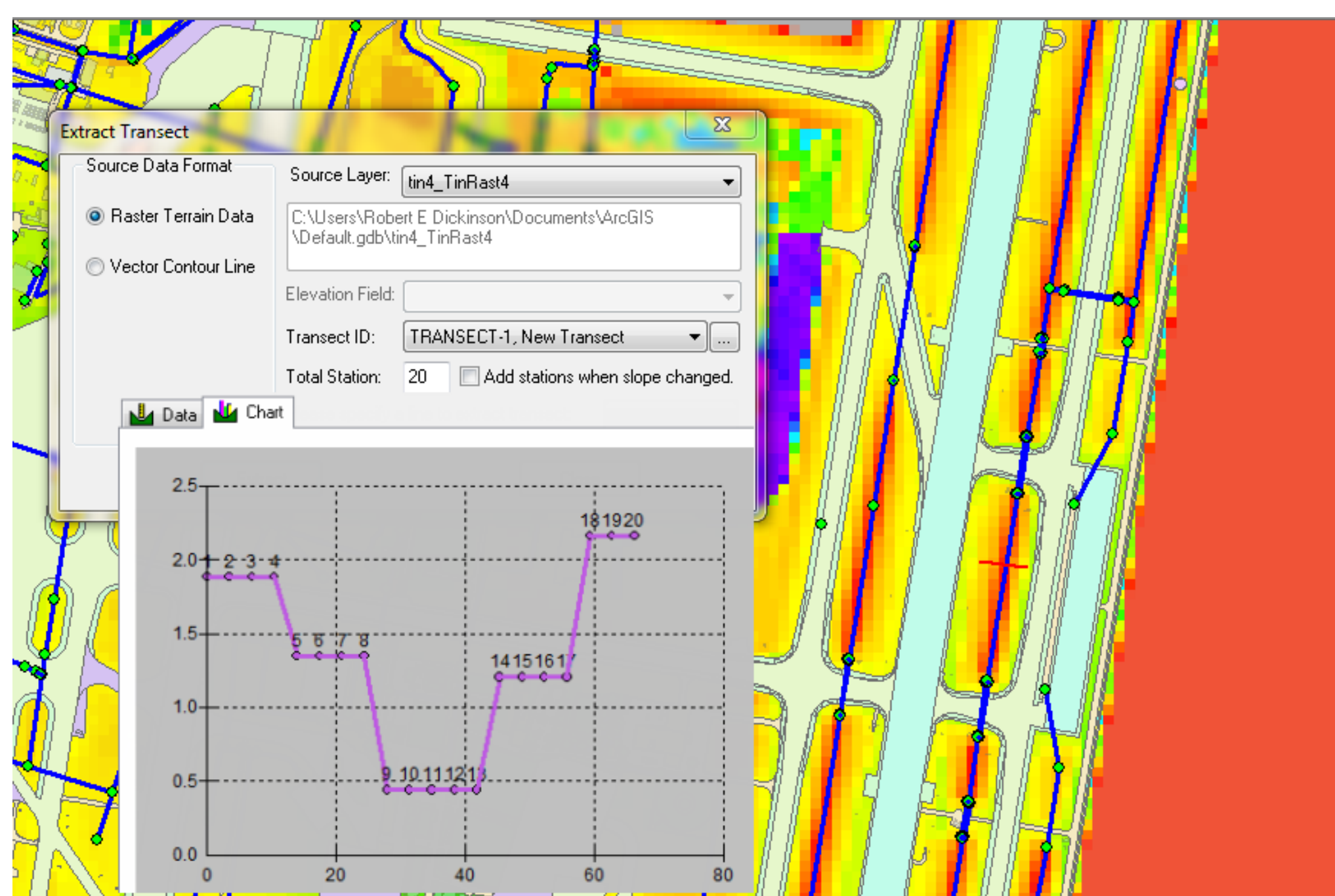
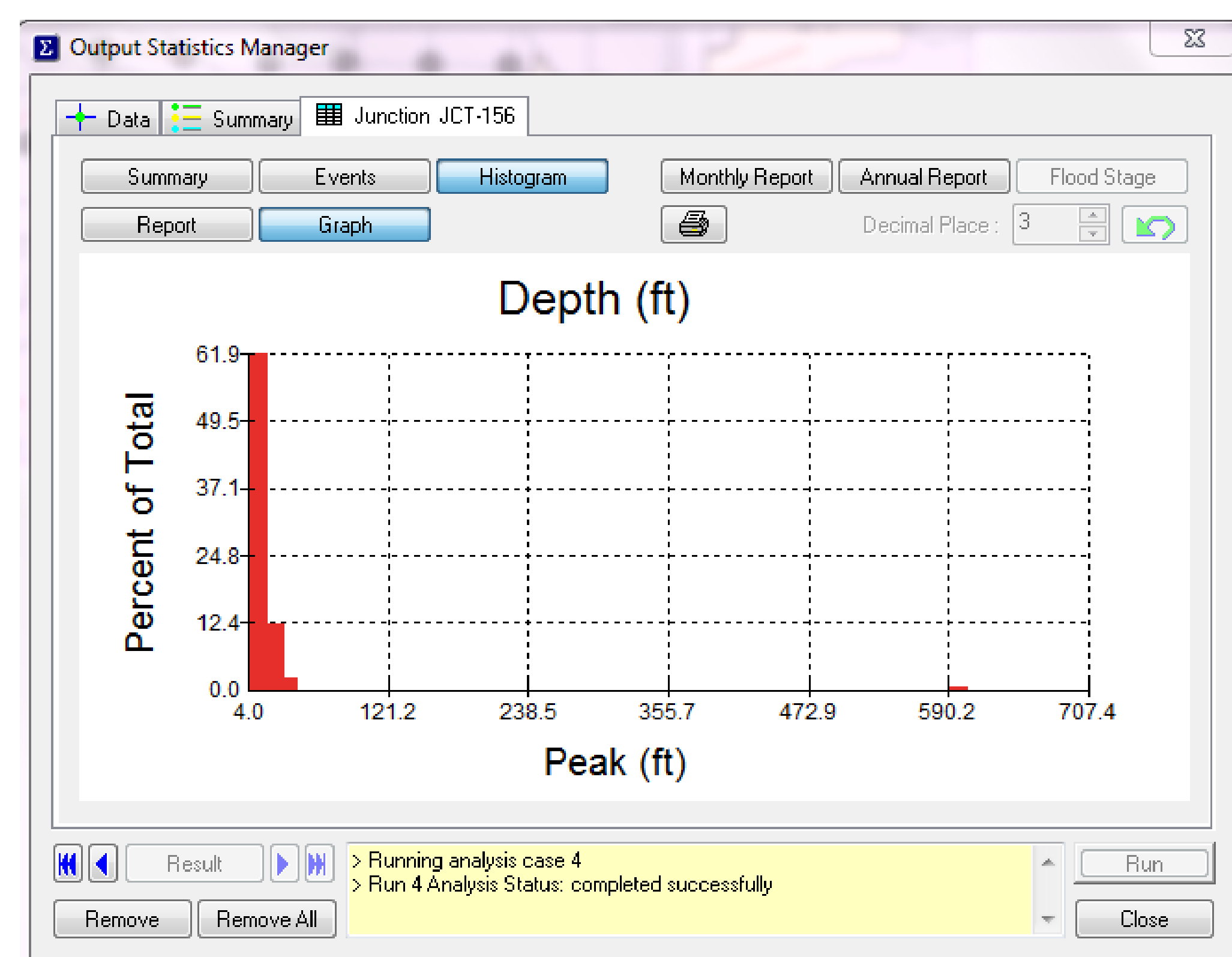
Volume balance report

2d Zone Name :	WQ3
Initial Volume (m3) :	0.0000
Net Inflow (m3) :	10.0679
Inflow (m3) :	37290.8004
Total Volume in the surface (m3) :	10.0679
Volume in the 2d zone (m3) :	10.0679
Volume out of the 2d zone (m3) :	0.0000
Rain volume in the 2d zone (m3) :	0.0000
Volume lost in the 2d zone (m3) :	0.0000
Mass error balance (%) :	0.0000
Effective area (ha) :	1.0525
Flooded area at the end of the simulation (ha) :	0.0000
Maximum flooded area (ha) :	1.0525
Net inflow in point sources	
Net inflow in id nodes	
Node id : 28	// Net Inflow (m3) : -9492.1143
Node id : 149	// Net Inflow (m3) : 9502.1822
Net inflow in external boundaries	

Mass error report

2d Zone Name :	WQ3
Mass error (m3) :	0.0000

Total mass error (m3) : 0.0000



[ORIFICES]  
 JCT-154\_ORIFICE JCT-154 JCT-154\_OUTFALL BOTTOM 6.991000 0.004000 NO  
 JCT-156\_ORIFICE JCT-156 JCT-156\_OUTFALL BOTTOM 4.000000 0.004000 NO

[OUTFALLS]  
 OFALL-10679.000000 FREE NO  
 JCT-154\_OUTFALL 680.000000 FIXED 686.991000 NO  
 JCT-156\_OUTFALL 680.475000 FIXED 684.475000 NO

Connection to 2D Mesh is through a SWMM 5 orifice to a SWMM 5 Outfall which is in the middle of the Mesh.