[5/31/2024 12:51:32]

 threads=-1

 batch=10 of 24

 exe=C:\Program Files\Icpr4.07.04\I4Model.exe

 nextsim=C:\Work Space\buttonwood\Scenarios\Sc1\Simulations\Si25\

[5/31/2024 12:51:32] C:\Work Space\buttonwood\Scenarios\Sc1\Simulations\Si32\echo.i4p

[5/31/2024 12:51:32] Reading Simulation

[5/31/2024 12:51:32] Simulation=50YR24HR-2.36

[5/31/2024 12:51:32] RunMode=0

[5/31/2024 12:51:32] HotStart=0

[5/31/2024 12:51:32] SaveRestart=0

[5/31/2024 12:51:33] StartYear=0

[5/31/2024 12:51:33] StartMonth=0

[5/31/2024 12:51:33] StartDay=0

[5/31/2024 12:51:33] StartHour=0.000

[5/31/2024 12:51:33] EndYear=0

[5/31/2024 12:51:33] EndMonth=0

[5/31/2024 12:51:33] EndDay=0

[5/31/2024 12:51:33] EndHour=48.000

[5/31/2024 12:51:33] HotstartYear=0

[5/31/2024 12:51:33] HotstartMonth=0

[5/31/2024 12:51:33] HotstartDay=0

[5/31/2024 12:51:33] HotstartHour=0.000

[5/31/2024 12:51:33] MinCalc\_Hydrology=60.000

[5/31/2024 12:51:33] MinCalc\_Hydraulics=0.100

[5/31/2024 12:51:33] MaxCalc\_Hydraulics=30.000

[5/31/2024 12:51:33] MinCalc\_Groundwater=900.000

[5/31/2024 12:51:33] RainfallSet=

[5/31/2024 12:51:33] RefETSet=

[5/31/2024 12:51:33] UnitHydSet=

[5/31/2024 12:51:33] BndStageSet=25YR24HR-2.36

[5/31/2024 12:51:33] ExHydSet=

[5/31/2024 12:51:33] CurveNumSet=

[5/31/2024 12:51:33] GreenAmptSet=

[5/31/2024 12:51:33] VertLayerSet=

[5/31/2024 12:51:33] ImpervSet=

[5/31/2024 12:51:33] RoughnessSet=

[5/31/2024 12:51:33] CropCoefSet=

[5/31/2024 12:51:33] PorosSet=

[5/31/2024 12:51:33] ConductSet=

[5/31/2024 12:51:33] LeakageSet=

[5/31/2024 12:51:33] TimeMarching=0

[5/31/2024 12:51:33] MaxIterations=6

[5/31/2024 12:51:33] OverRelaxWeightFactor=0.500

[5/31/2024 12:51:33] dZTolerance=0.001

[5/31/2024 12:51:33] MaxdZ=1.500

[5/31/2024 12:51:33] LinkOptTol=0.000

[5/31/2024 12:51:33] EdgeLengthOpt=0

[5/31/2024 12:51:33] EdgeLengthFactor=0.667

[5/31/2024 12:51:33] DefaultDampThresh2d=0.005

[5/31/2024 12:51:33] MinSurfArea2d=100.000

[5/31/2024 12:51:33] EnergySwitch2d=1

[5/31/2024 12:51:33] IaTime=24.000

[5/31/2024 12:51:33] IncludeETManBasns=0

[5/31/2024 12:51:33] VertLayerSoln=0

[5/31/2024 12:51:33] RainOptManBasns=1

[5/31/2024 12:51:33] RainOptOF=1

[5/31/2024 12:51:33] RainName=~FLMOD

[5/31/2024 12:51:33] RainAmount=10.500

[5/31/2024 12:51:33] StormDur=24.000

[5/31/2024 12:51:33] DefaultDampThresh1D=0.005

[5/31/2024 12:51:34] MinNodeSurfArea1D=100.000

[5/31/2024 12:51:34] EnergySwitch1D=1

[5/31/2024 12:51:34] Comment=Rainfall from NOAA Atlas 14

[5/31/2024 12:51:34] 19 threads [20 cores detected]

[5/31/2024 12:51:34] SolutionMethod=SAOR

[5/31/2024 12:51:34] No \_ET.TXT

[5/31/2024 12:51:34] No \_EV.TXT

[5/31/2024 12:51:34] Reading Operating Tables

[5/31/2024 12:51:34] Reading Cross Sections

[5/31/2024 12:51:34] Reading 1D Nodes

[5/31/2024 12:51:34] Reading Overland Flow Nodes

[5/31/2024 12:51:34] Reading 1D Channels

[5/31/2024 12:51:34] Setting up channel ghost nodes

[5/31/2024 12:51:34] Reading Pipes

[5/31/2024 12:51:34] Reading Rating Curves

[5/31/2024 12:51:35] Reading Weirs

[5/31/2024 12:51:35] Reading Drop Structures

[5/31/2024 12:51:35] Reading Breaches

[5/31/2024 12:51:35] Reading Percs

[5/31/2024 12:51:35] Reading Overland Flow Channels

[5/31/2024 12:51:35] Reading Overland Flow Weirs

[5/31/2024 12:51:35] Setting up ghost nodes

[5/31/2024 12:51:35] Reading Manual Basins

[5/31/2024 12:51:35] Reading Overland Flow Basins

[5/31/2024 12:51:35] Sorting basins

[5/31/2024 12:51:35] Reading Basin Features

[5/31/2024 12:51:35] Reading Groundwater

[5/31/2024 12:51:35] Initializing threads

[5/31/2024 12:51:35] Build Complete

[5/31/2024 12:51:35] Total basin area=47.340

[5/31/2024 12:51:35] Basins: Minarea\_ft2=6098.40000 Maxarea\_ft2=611582.40000 Avgarea\_ft2=73647.51429

[5/31/2024 12:51:35]

[5/31/2024 12:51:35] --- Hydrology Counts -----------------------------------------------

[5/31/2024 12:51:36] Total Basin = 28

[5/31/2024 12:51:36] Direct Basin = 0

[5/31/2024 12:51:36] Manual NRCS Basin = 0

[5/31/2024 12:51:36] Manual SB Basin = 0

[5/31/2024 12:51:36] Mapped NRCS Basin = 0

[5/31/2024 12:51:36] Mapped SB Basin = 0

[5/31/2024 12:51:36] Simple NRCS Basin = 28

[5/31/2024 12:51:36] Simple SB Basin = 0

[5/31/2024 12:51:36] Total Basin Polygon = 28

[5/31/2024 12:51:37] Manual Basin Polygon = 0

[5/31/2024 12:51:37] Mapped Basin Polygon = 0

[5/31/2024 12:51:37] 2D Basin Polygon = 0

[5/31/2024 12:51:37] Crop = 0

[5/31/2024 12:51:37] Reference ET = 0

[5/31/2024 12:51:37] Rainfall = 1

[5/31/2024 12:51:37] Green Ampt Parameter = 0

[5/31/2024 12:51:37] Vert Layer Parameter = 0

[5/31/2024 12:51:37] Curve Number Parameter = 29

[5/31/2024 12:51:37] Imperviousness = 29

[5/31/2024 12:51:37]

[5/31/2024 12:51:37] --- Routing Counts -------------------------------------------------

[5/31/2024 12:51:37] Region = 0

[5/31/2024 12:51:38] Total Node = 54

[5/31/2024 12:51:38] 1D Stage Area = 52

[5/31/2024 12:51:38] 1D Time Stage = 2

[5/31/2024 12:51:38] 1D Drop Nodes = 0

[5/31/2024 12:51:38] 2D Stage Area = 0

[5/31/2024 12:51:38] 2D Time Stage = 0

[5/31/2024 12:51:38] 2D Pond Ghost = 0

[5/31/2024 12:51:38] 2D Chan Ghost = 0

[5/31/2024 12:51:38] 1D/2D Node Interfaces = 0

[5/31/2024 12:51:38] 1D/2D Injection Wells = 0

[5/31/2024 12:51:39] Total Link = 85

[5/31/2024 12:51:39] 1D Pipe = 26

[5/31/2024 12:51:39] 1D Drop Structure = 1

[5/31/2024 12:51:39] 1D French Drain = 0

[5/31/2024 12:51:39] 1D Channel = 2

[5/31/2024 12:51:39] 2D Channel = 0

[5/31/2024 12:51:39] 1D Weir = 54

[5/31/2024 12:51:39] 1D Drop Weir = 2

[5/31/2024 12:51:39] 2D Weir = 0

[5/31/2024 12:51:39] 1D Rating Curve = 0

[5/31/2024 12:51:39] 1D Percolation = 0

[5/31/2024 12:51:39] Cross Section = 36

[5/31/2024 12:51:40] Operating Table = 0

[5/31/2024 12:51:40]

[5/31/2024 12:51:40] --- Groundwater Counts ---------------------------------------------

[5/31/2024 12:51:40] Region = 0

[5/31/2024 12:51:40] Triangle = 0

[5/31/2024 12:51:40] Vertex = 0

[5/31/2024 12:51:40] Midpoint = 0

[5/31/2024 12:51:40] --------------------------------------------------------------------

[5/31/2024 12:51:40]

[5/31/2024 12:51:40] Processing Initial Link Flows...

[5/31/2024 12:51:40] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start Time Marching \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

[5/31/2024 12:51:40] Node N-BTW-01 caused a revert (this will only be logged once per node)

[5/31/2024 12:51:41] Node N-BTW-06 caused a revert (this will only be logged once per node)

[5/31/2024 12:51:41] Node N-BTW-08 caused a revert (this will only be logged once per node)

[5/31/2024 12:51:41] Node N-BTW-11 caused a revert (this will only be logged once per node)

[5/31/2024 12:51:41] Node N-BTW-12 caused a revert (this will only be logged once per node)

[5/31/2024 12:51:41] Node N-BTW-15 caused a revert (this will only be logged once per node)

[5/31/2024 12:51:41] Node N-BTW-10 caused a revert (this will only be logged once per node)

[5/31/2024 12:51:41] Node N-BTW-07 caused a revert (this will only be logged once per node)

[5/31/2024 12:51:41] Node N-BTW-02 caused a revert (this will only be logged once per node)

[5/31/2024 12:51:41] Node N-BTW-09 caused a revert (this will only be logged once per node)

[5/31/2024 12:51:41] Node N-BTW-10B caused a revert (this will only be logged once per node)

[5/31/2024 12:51:41] Node N-BTW-03 caused a revert (this will only be logged once per node)

[5/31/2024 12:51:41] Node N-BTW-04 caused a revert (this will only be logged once per node)

[5/31/2024 12:51:41] Node N-BTW-05 caused a revert (this will only be logged once per node)

[5/31/2024 12:51:41] Node N-BTW-08B caused a revert (this will only be logged once per node)

[5/31/2024 12:51:44] Node N-BTW-18 caused a revert (this will only be logged once per node)

[5/31/2024 12:51:44] Node N-BTW-19 caused a revert (this will only be logged once per node)

[5/31/2024 12:51:44] Node N-BTW-17 caused a revert (this will only be logged once per node)

[5/31/2024 12:51:44] Node N-BTW-29 caused a revert (this will only be logged once per node)

[5/31/2024 12:51:45] Node N-BTW-28 caused a revert (this will only be logged once per node)

[5/31/2024 12:51:45] Node N-BTW-14A caused a revert (this will only be logged once per node)

[5/31/2024 12:51:45] Node N-BTW-20 caused a revert (this will only be logged once per node)

[5/31/2024 12:51:45] Node N-BTW-21 caused a revert (this will only be logged once per node)

[5/31/2024 12:51:46] Node N-BTW-19B caused a revert (this will only be logged once per node)

[5/31/2024 12:51:47] Node N-BTW-25 caused a revert (this will only be logged once per node)

[5/31/2024 12:51:48] Node N-BTW-26B caused a revert (this will only be logged once per node)

[5/31/2024 12:51:48] Node N-BTW-25B caused a revert (this will only be logged once per node)

[5/31/2024 12:51:48] Node N-BTW-26 caused a revert (this will only be logged once per node)

[5/31/2024 12:53:23] Node N-BTW-27 caused a revert (this will only be logged once per node)

[5/31/2024 12:54:34] Node N-BTW-18B caused a revert (this will only be logged once per node)

[5/31/2024 12:54:34] Node N-BTW-16 caused a revert (this will only be logged once per node)

[5/31/2024 12:54:35] Node N-BTW-17B caused a revert (this will only be logged once per node)

[5/31/2024 12:54:37] Node N-BTW-20B caused a revert (this will only be logged once per node)

[5/31/2024 12:54:38] Conduit Optimizer Total Count=27520723 of 33402628

[5/31/2024 12:54:38] PC busted 297 of 513977

[5/31/2024 12:54:38] Average Iterations was 1.321

[5/31/2024 12:54:38] Average dt was 0.35264 sec

[5/31/2024 12:54:38] Revert count=23956

[5/31/2024 12:54:39]

[5/31/2024 12:54:39] ---- Timers -----------------------------

[5/31/2024 12:54:39] Total Time=178.177 sec

[5/31/2024 12:54:39] Basin Time=0.014 sec

[5/31/2024 12:54:39] BasinPoly Time=0.008 sec

[5/31/2024 12:54:39] Node Time=5.817 sec

[5/31/2024 12:54:39] Link Time=166.521 sec

[5/31/2024 12:54:39] Hydrology Output Time=1.042 sec

[5/31/2024 12:54:39] Groundwater Output Time=0.011 sec

[5/31/2024 12:54:39] Routing Output Time=1.274 sec

[5/31/2024 12:54:39] --- Thread Timers --------------------

[5/31/2024 12:54:39] Thread[0] Basin Time=0.006 sec

[5/31/2024 12:54:39] Thread[0] BasinPoly Time=0.002 sec

[5/31/2024 12:54:39] Thread[0] Node Time=0.675 sec

[5/31/2024 12:54:39] Thread[0] Link Time=80.225 sec

[5/31/2024 12:54:39] --- Thread Timers --------------------

[5/31/2024 12:54:39] Thread[1] Basin Time=0.007 sec

[5/31/2024 12:54:39] Thread[1] BasinPoly Time=0.002 sec

[5/31/2024 12:54:39] Thread[1] Node Time=0.785 sec

[5/31/2024 12:54:39] Thread[1] Link Time=73.131 sec

[5/31/2024 12:54:39] --- Thread Timers --------------------

[5/31/2024 12:54:39] Thread[2] Basin Time=0.009 sec

[5/31/2024 12:54:39] Thread[2] BasinPoly Time=0.002 sec

[5/31/2024 12:54:39] Thread[2] Node Time=0.785 sec

[5/31/2024 12:54:39] Thread[2] Link Time=77.144 sec

[5/31/2024 12:54:39] --- Thread Timers --------------------

[5/31/2024 12:54:39] Thread[3] Basin Time=0.006 sec

[5/31/2024 12:54:39] Thread[3] BasinPoly Time=0.002 sec

[5/31/2024 12:54:39] Thread[3] Node Time=0.781 sec

[5/31/2024 12:54:39] Thread[3] Link Time=112.620 sec

[5/31/2024 12:54:40] --- Thread Timers --------------------

[5/31/2024 12:54:40] Thread[4] Basin Time=0.011 sec

[5/31/2024 12:54:40] Thread[4] BasinPoly Time=0.002 sec

[5/31/2024 12:54:40] Thread[4] Node Time=0.746 sec

[5/31/2024 12:54:40] Thread[4] Link Time=5.248 sec

[5/31/2024 12:54:40] --- Thread Timers --------------------

[5/31/2024 12:54:40] Thread[5] Basin Time=0.007 sec

[5/31/2024 12:54:40] Thread[5] BasinPoly Time=0.002 sec

[5/31/2024 12:54:40] Thread[5] Node Time=0.853 sec

[5/31/2024 12:54:40] Thread[5] Link Time=6.787 sec

[5/31/2024 12:54:40] --- Thread Timers --------------------

[5/31/2024 12:54:40] Thread[6] Basin Time=0.007 sec

[5/31/2024 12:54:40] Thread[6] BasinPoly Time=0.002 sec

[5/31/2024 12:54:40] Thread[6] Node Time=0.893 sec

[5/31/2024 12:54:40] Thread[6] Link Time=99.120 sec

[5/31/2024 12:54:40] --- Thread Timers --------------------

[5/31/2024 12:54:40] Thread[7] Basin Time=0.007 sec

[5/31/2024 12:54:40] Thread[7] BasinPoly Time=0.002 sec

[5/31/2024 12:54:40] Thread[7] Node Time=0.894 sec

[5/31/2024 12:54:41] Thread[7] Link Time=34.835 sec

[5/31/2024 12:54:41] --- Thread Timers --------------------

[5/31/2024 12:54:41] Thread[8] Basin Time=0.006 sec

[5/31/2024 12:54:41] Thread[8] BasinPoly Time=0.002 sec

[5/31/2024 12:54:41] Thread[8] Node Time=0.761 sec

[5/31/2024 12:54:41] Thread[8] Link Time=23.444 sec

[5/31/2024 12:54:41] --- Thread Timers --------------------

[5/31/2024 12:54:41] Thread[9] Basin Time=0.004 sec

[5/31/2024 12:54:41] Thread[9] BasinPoly Time=0.001 sec

[5/31/2024 12:54:41] Thread[9] Node Time=0.778 sec

[5/31/2024 12:54:42] Thread[9] Link Time=85.994 sec

[5/31/2024 12:54:42] --- Thread Timers --------------------

[5/31/2024 12:54:42] Thread[10] Basin Time=0.003 sec

[5/31/2024 12:54:42] Thread[10] BasinPoly Time=0.001 sec

[5/31/2024 12:54:42] Thread[10] Node Time=0.734 sec

[5/31/2024 12:54:42] Thread[10] Link Time=62.842 sec

[5/31/2024 12:54:42] --- Thread Timers --------------------

[5/31/2024 12:54:42] Thread[11] Basin Time=0.004 sec

[5/31/2024 12:54:42] Thread[11] BasinPoly Time=0.001 sec

[5/31/2024 12:54:42] Thread[11] Node Time=0.790 sec

[5/31/2024 12:54:42] Thread[11] Link Time=40.932 sec

[5/31/2024 12:54:42] --- Thread Timers --------------------

[5/31/2024 12:54:42] Thread[12] Basin Time=0.004 sec

[5/31/2024 12:54:42] Thread[12] BasinPoly Time=0.001 sec

[5/31/2024 12:54:43] Thread[12] Node Time=0.791 sec

[5/31/2024 12:54:43] Thread[12] Link Time=4.576 sec

[5/31/2024 12:54:43] --- Thread Timers --------------------

[5/31/2024 12:54:43] Thread[13] Basin Time=0.004 sec

[5/31/2024 12:54:43] Thread[13] BasinPoly Time=0.001 sec

[5/31/2024 12:54:43] Thread[13] Node Time=0.729 sec

[5/31/2024 12:54:43] Thread[13] Link Time=6.908 sec

[5/31/2024 12:54:43] --- Thread Timers --------------------

[5/31/2024 12:54:43] Thread[14] Basin Time=0.004 sec

[5/31/2024 12:54:43] Thread[14] BasinPoly Time=0.003 sec

[5/31/2024 12:54:43] Thread[14] Node Time=0.725 sec

[5/31/2024 12:54:43] Thread[14] Link Time=5.975 sec

[5/31/2024 12:54:44] --- Thread Timers --------------------

[5/31/2024 12:54:44] Thread[15] Basin Time=0.004 sec

[5/31/2024 12:54:44] Thread[15] BasinPoly Time=0.001 sec

[5/31/2024 12:54:44] Thread[15] Node Time=0.629 sec

[5/31/2024 12:54:44] Thread[15] Link Time=7.583 sec

[5/31/2024 12:54:44] --- Thread Timers --------------------

[5/31/2024 12:54:44] Thread[16] Basin Time=0.004 sec

[5/31/2024 12:54:44] Thread[16] BasinPoly Time=0.001 sec

[5/31/2024 12:54:44] Thread[16] Node Time=0.593 sec

[5/31/2024 12:54:44] Thread[16] Link Time=10.827 sec

[5/31/2024 12:54:44] --- Thread Timers --------------------

[5/31/2024 12:54:44] Thread[17] Basin Time=0.004 sec

[5/31/2024 12:54:44] Thread[17] BasinPoly Time=0.001 sec

[5/31/2024 12:54:45] Thread[17] Node Time=0.469 sec

[5/31/2024 12:54:45] Thread[17] Link Time=10.363 sec

[5/31/2024 12:54:45] --- Thread Timers --------------------

[5/31/2024 12:54:45] Thread[18] Basin Time=0.004 sec

[5/31/2024 12:54:45] Thread[18] BasinPoly Time=0.001 sec

[5/31/2024 12:54:45] Thread[18] Node Time=0.581 sec

[5/31/2024 12:54:45] Thread[18] Link Time=74.223 sec